

PHOTOMETRICS REPORT

ROGUE



Table of Contents

Introduction	1
Testing Process	1
Total Illuminance Measurements.....	1
Testing Lab Equipment and Process.....	1
Photometrics & Chromaticity Reports	2
Full Flood - Full Power - Fan set to Full - White Mode Calibration ON	3
Report Summary.....	3
Overall Measurement.....	3
Beam Details.....	4
Polar Diagrams.....	5
Full Flood - Full Power - Fan set to Full - White Mode Calibration OFF	6
Report Summary.....	6
Overall Measurement.....	6
Beam Details.....	7
Polar Diagrams.....	8
Full Flood - Full Power - Fan set to Auto - White Mode Calibration ON	9
Report Summary.....	9
Overall Measurement.....	9
Beam Details.....	10
Polar Diagrams.....	11
Full Flood - Full Power - Fan set to Auto - White Mode Calibration OFF	12
Report Summary.....	12
Overall Measurement.....	12
Beam Details.....	13
Polar Diagrams.....	14
Full Flood - Full Power - Fan set to ECO - White Mode Calibration ON	15
Report Summary.....	15
Overall Measurement.....	15
Beam Details.....	16
Polar Diagrams.....	17
Full Flood - Full Power- Steady - Fan set to ECO - White Mode Calibration ON	18
Report Summary.....	18
Overall Measurement.....	18
Beam Details.....	19

Polar Diagrams	20
Full Flood - Full Power - Fan set to ECO - White Mode Calibration OFF	21
Report Summary.....	21
Overall Measurement.....	21
Beam Details.....	22
Polar Diagrams	23
Full Narrow - Full Power - Fan set to Full - White Mode Calibration ON.....	24
Report Summary.....	24
Overall Measurement.....	24
Beam Details.....	25
Polar Diagrams	26
Full Narrow - Full Power - Fan set to Full - White Mode Calibration OFF.....	27
Report Summary.....	27
Overall Measurement.....	27
Beam Details.....	28
Polar Diagrams	29
Full Narrow - Full Power - Fan set to Auto - White Mode Calibration ON.....	30
Report Summary.....	30
Overall Measurement.....	30
Beam Details.....	31
Polar Diagrams	32
Full Narrow - Full Power - Fan set to Auto - White Mode Calibration OFF.....	33
Report Summary.....	33
Overall Measurement.....	33
Beam Details.....	34
Polar Diagrams	35
Full Narrow - Full Power - Fan set to ECO - White Mode Calibration ON.....	36
Report Summary.....	36
Overall Measurement.....	36
Beam Details.....	37
Polar Diagrams	38
Full Narrow - Full Power- Steady - Fan set to ECO - White Mode Calibration ON	39
Report Summary.....	39
Overall Measurement.....	39
Beam Details.....	40
Polar Diagrams	41

Full Narrow - Full Power - Fan set to ECO - White Mode Calibration OFF	42
Report Summary.....	42
Overall Measurement.....	42
Beam Details.....	43
Polar Diagrams	44
50% Zoom - Full Power - Fan set to Full - White Mode Calibration ON	45
Report Summary.....	45
Overall Measurement.....	45
Beam Details.....	46
ISO Diagrams	47
Chromaticity.....	48
TM-30 Details	49
50% Zoom - Full Power - Fan set to Full - White Mode Calibration OFF	50
Report Summary.....	50
Overall Measurement.....	50
Beam Details.....	51
ISO Diagrams	52
Chromaticity.....	53
TM-30 Details	54
50% Zoom - Full Power - Fan set to Auto - White Mode Calibration ON	55
Report Summary.....	55
Overall Measurement.....	55
Beam Details.....	56
ISO Diagrams	57
Chromaticity.....	58
TM-30 Details	59
50% Zoom - Full Power - Fan set to Auto - White Mode Calibration OFF	60
Report Summary.....	60
Overall Measurement.....	60
Beam Details.....	61
ISO Diagrams	62
Chromaticity.....	63
TM-30 Details	64
50% Zoom - Full Power - Fan set to ECO - White Mode Calibration ON	65
Report Summary.....	65
Overall Measurement.....	65
Beam Details.....	66

ISO Diagrams	67
Chromaticity.....	68
TM-30 Details	69
50% Zoom - Full Power-Steady - Fan set to ECO - White Mode Calibration ON.....	70
Report Summary.....	70
Overall Measurement.....	70
Beam Details.....	71
ISO Diagrams	72
Chromaticity.....	73
TM-30 Details	74
50% Zoom - Full Power - Fan set to ECO - White Mode Calibration OFF	75
Report Summary.....	75
Overall Measurement.....	75
Beam Details.....	76
ISO Diagrams	77
Chromaticity.....	78
TM-30 Details	79
50% Zoom - Red Only - Fan set to Full - White Mode Calibration OFF	80
Report Summary.....	80
Overall Measurement.....	80
Beam Details.....	81
ISO Diagrams	82
Chromaticity.....	83
TM-30 Details	84
50% Zoom - Red Only - Fan set to Auto - White Mode Calibration OFF	85
Report Summary.....	85
Overall Measurement.....	85
Beam Details.....	86
ISO Diagrams	87
Chromaticity.....	88
TM-30 Details	89
50% Zoom - Red Only - Fan set to ECO - White Mode Calibration OFF	90
Report Summary.....	90
Overall Measurement.....	90
Beam Details.....	91
ISO Diagrams	92

Chromaticity.....	93
TM-30 Details	94
50% Zoom - Green Only - Fan set to Full - White Mode Calibration OFF	95
Report Summary.....	95
Overall Measurement.....	95
Beam Details.....	96
ISO Diagrams	97
Chromaticity.....	98
TM-30 Details	99
50% Zoom - Green Only - Fan set to Auto - White Mode Calibration OFF	100
Report Summary.....	100
Overall Measurement.....	100
Beam Details.....	101
ISO Diagrams	102
Chromaticity.....	103
TM-30 Details	104
50% Zoom - Green Only - Fan set to ECO - White Mode Calibration OFF	105
Report Summary.....	105
Overall Measurement.....	105
Beam Details.....	106
ISO Diagrams	107
Chromaticity.....	108
TM-30 Details	109
50% Zoom - Blue Only - Fan set to Full - White Mode Calibration OFF.....	110
Report Summary.....	110
Overall Measurement.....	110
Beam Details.....	111
ISO Diagrams	112
Chromaticity.....	113
TM-30 Details	114
50% Zoom - Blue Only - Fan set to Auto - White Mode Calibration OFF.....	115
Report Summary.....	115
Overall Measurement.....	115
Beam Details.....	116
ISO Diagrams	117
Chromaticity.....	118
TM-30 Details	119

50% Zoom - Blue Only - Fan set to ECO - White Mode Calibration OFF	120
Report Summary.....	120
Overall Measurement.....	120
Beam Details.....	121
ISO Diagrams	122
Chromaticity.....	123
TM-30 Details	124
50% Zoom - White Only - Fan set to Full - White Mode Calibration OFF	125
Report Summary.....	125
Overall Measurement.....	125
Beam Details.....	126
ISO Diagrams	127
Chromaticity.....	128
TM-30 Details	129
50% Zoom - White Only - Fan set to Auto - White Mode Calibration OFF	130
Report Summary.....	130
Overall Measurement.....	130
Beam Details.....	131
ISO Diagrams	132
Chromaticity.....	133
TM-30 Details	134
50% Zoom - White Only - Fan set to ECO - White Mode Calibration OFF	135
Report Summary.....	135
Overall Measurement.....	135
Beam Details.....	136
ISO Diagrams	137
Chromaticity.....	138
TM-30 Details	139
Contact Us	140

Testing Process

Total Illuminance Measurements

Illuminance is measured using the Viso Systems LabSpion[®], which takes multiple measurements across a light beam to calculate the total delivered lumens, beam, and field of a product. These values can be described as the empirical output of the product as it projects from the lens or lenses. All photometric data contained in this report are obtained from the actual illuminance of the tested Chauvet light source and are never theoretical values derived from calculations.

Testing Lab Equipment and Process

The Chauvet headquarters in Sunrise, Florida has a climate- and light-controlled photometric testing laboratory where Chauvet products are analyzed and photometric data are measured using the Viso Systems LabSpion[®] light measurement solution.

This system includes a spectrometer sensor, which measures the precise light and color output of the fixture, and a two-axis goniometer, which rotates the product to allow for multi-angle and multi-directional measurement. The Viso Light Inspector software then collects and summarizes the data. From the data gathered, the software can also measure the beam and field angles, accurate color temperature, color quality, and illuminance at multiple distances. The custom-built, Chauvet-specific template presents this information in the photometric and chromaticity reports that follow.

IES (Illuminating Engineering Society) files, an industry-standard file format, are also generated from each test for easy distribution of photometric data.

Several light meters are also used for specific products or to recheck for precision. Accuracy is verified using one or more of the devices listed below:

- Sekonic SpectroMaster C-700-U
- EXTECH HD450 Datalogging Heavy Duty Light Meter
- Asensetek Essence Lighting Passport

To ensure accurate measurements in every photometric or chromaticity test, Chauvet routinely calibrates the LabSpion[®] system every six months as recommended by Viso Systems.



Photometrics & Chromaticity Reports

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Full - White Mode Calibration ON

Report Summary

Output

Total Lumens: 5827 lm
Peak Intensity: 16609 cd
Illuminance @ 5m: 664 lux
Fixture Efficacy: 25 lm/W

Optical

Horizontal Beam Angle (50%): 35.3°
Vertical Beam Angle (50%): 35.3°
Horizontal Field Angle (10%): 52.2°
Vertical Field Angle (10%): 52.2°
Horizontal Cutoff Angle (3%): 65.7°
Vertical Cutoff Angle (3%): 65.7°

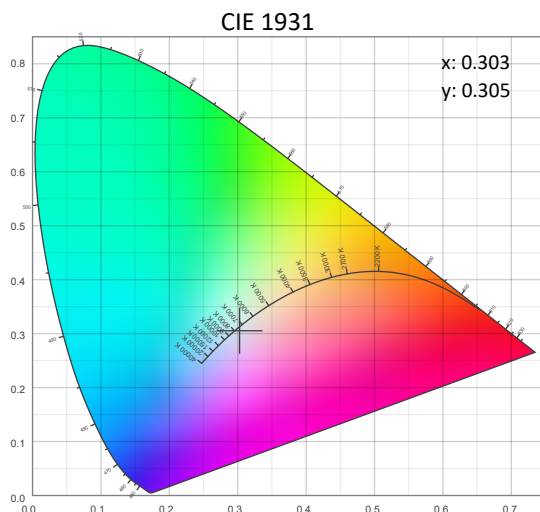
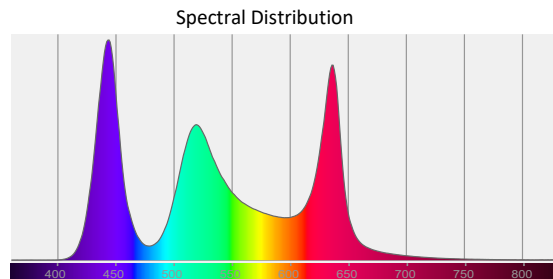
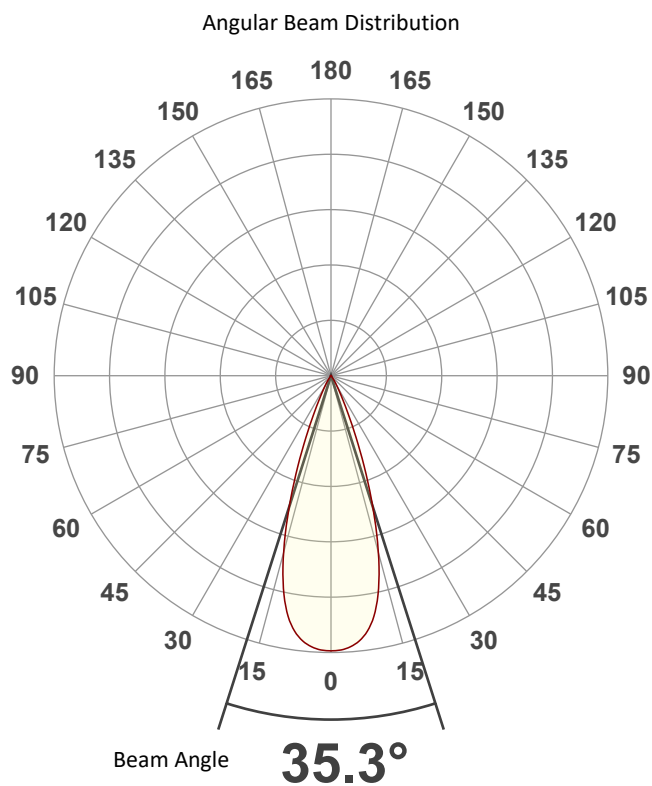


Conditions

AC Supply: 117 V, 60 Hz
Power: 234.27 W
Current: 2.00 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

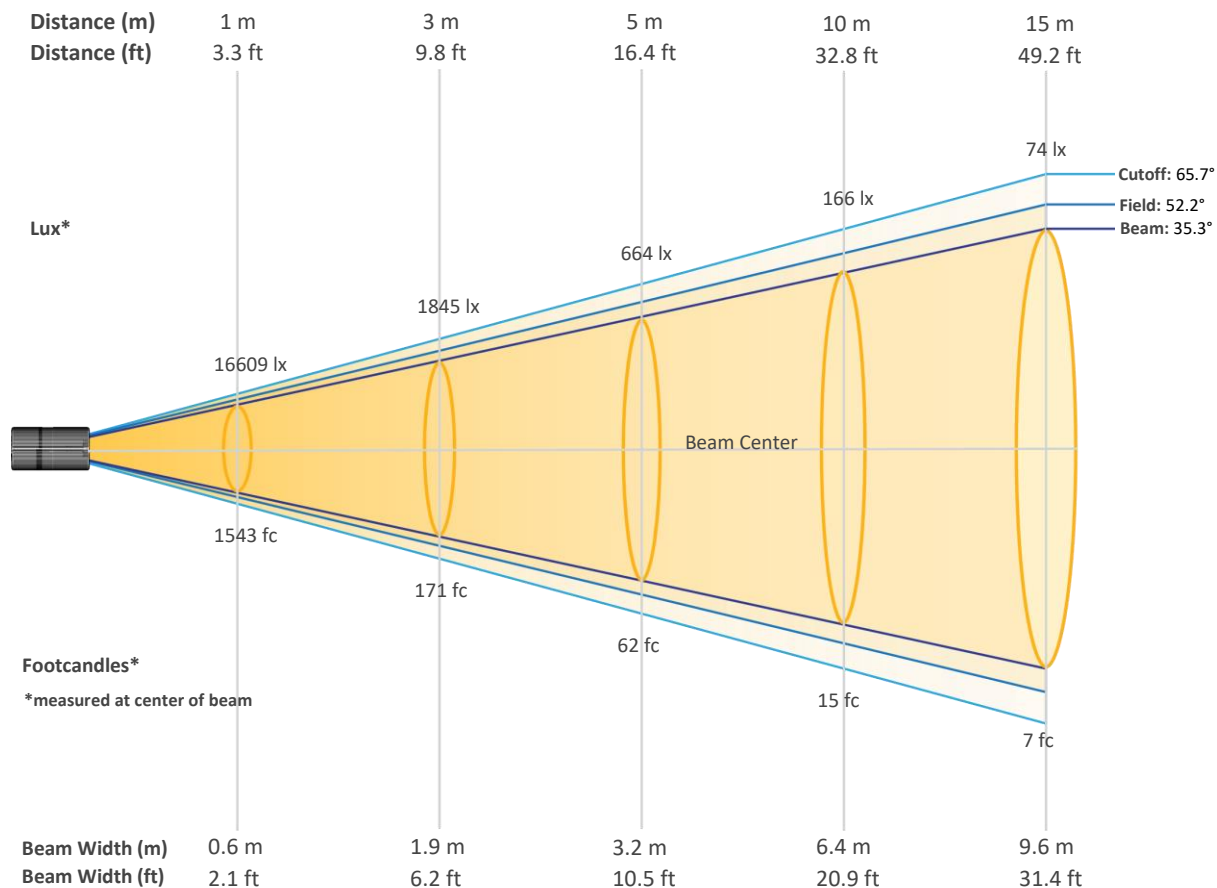
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Full - White Mode Calibration ON

Beam Details

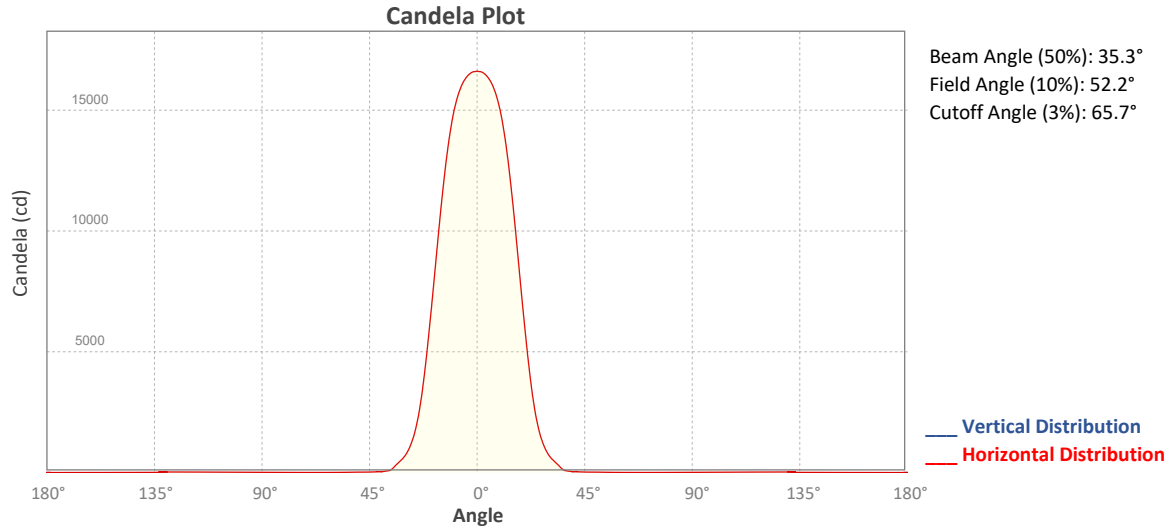


Beam Illuminances from 1-20m (3.3-65.6ft)

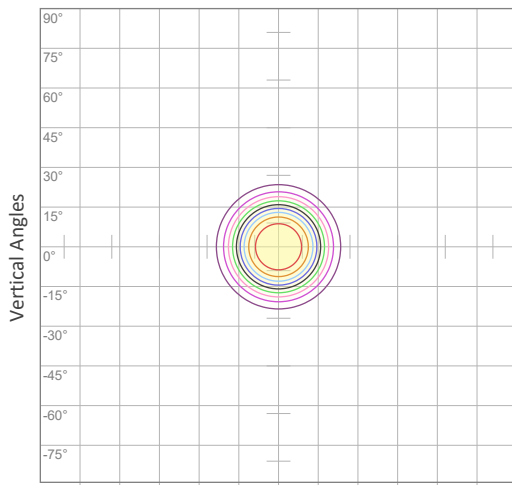
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	16609	4152	1845	1038	664	461	339	260	205	166
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	137	115	98	85	74	65	57	51	46	42
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1543	386	171	96	62	43	31	24	19	15
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	13	11	9	8	7	6	5	5	4	4

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Full - White Mode Calibration ON



Polar Diagrams

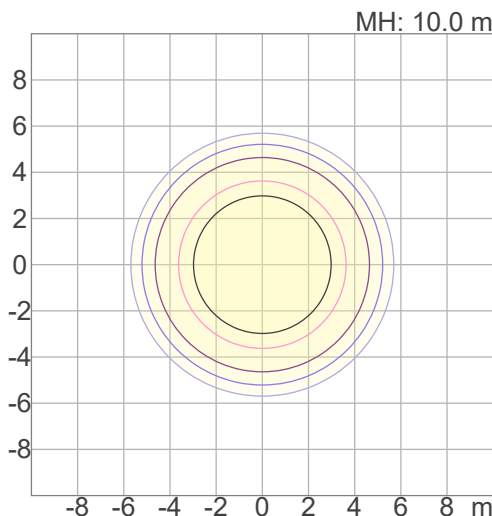


iso-candela Diagram

10%	1661 cd
20%	3322 cd
30%	4983 cd
40%	6643 cd
50%	8304 cd
60%	9965 cd
70%	11626 cd
80%	13287 cd
90%	14948 cd

Conditions:
Number of c-planes: 2
Candela at center: 16609 cd

Horizontal Angles



iso-illuminance Diagram

3%	4.98 lx
5%	8.30 lx
10%	16.6 lx
30%	49.8 lx
50%	83.0 lx

Conditions:
Number of c-planes: 2
Lux at center: 166 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Full - White Mode Calibration OFF

Report Summary

Output

Total Lumens: 6406 lm
Peak Intensity: 18181 cd
Illuminance @ 5m: 727 lux
Fixture Efficacy: 21 lm/W

Optical

Horizontal Beam Angle (50%): 35.4°
Vertical Beam Angle (50%): 35.4°
Horizontal Field Angle (10%): 52.4°
Vertical Field Angle (10%): 52.4°
Horizontal Cutoff Angle (3%): 65.9°
Vertical Cutoff Angle (3%): 65.9°

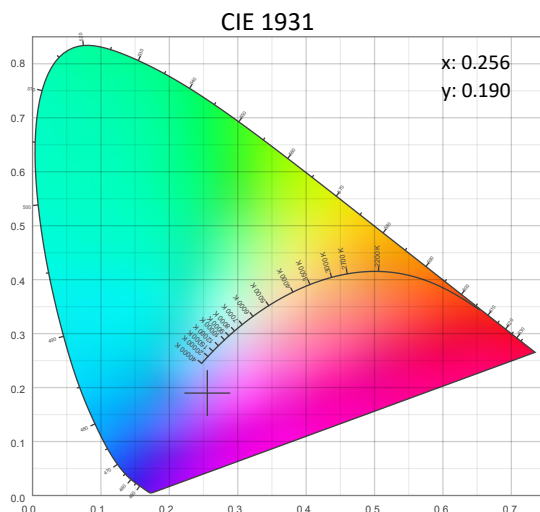
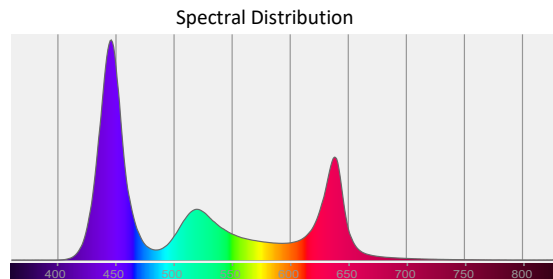
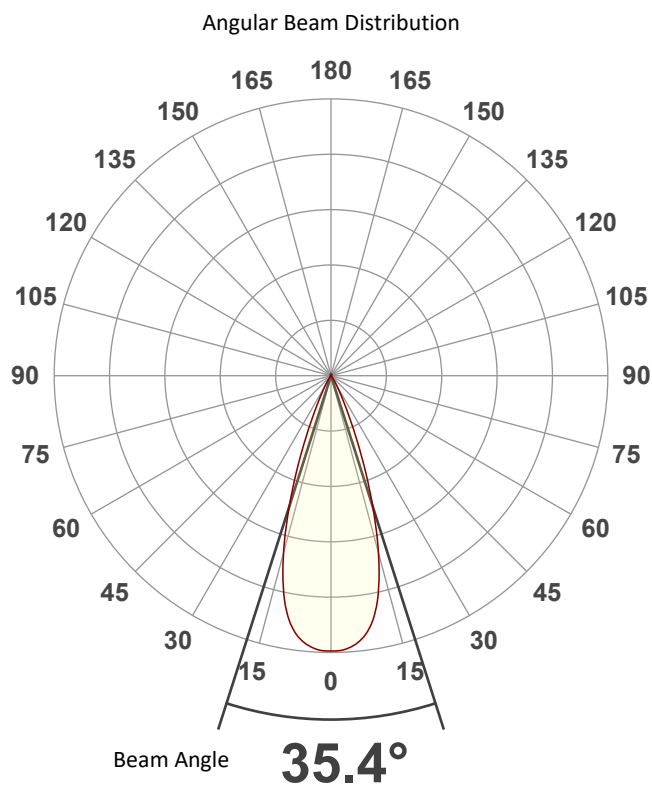


Conditions

AC Supply: 117 V, 60 Hz
Power: 309.35 W
Current: 2.65 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

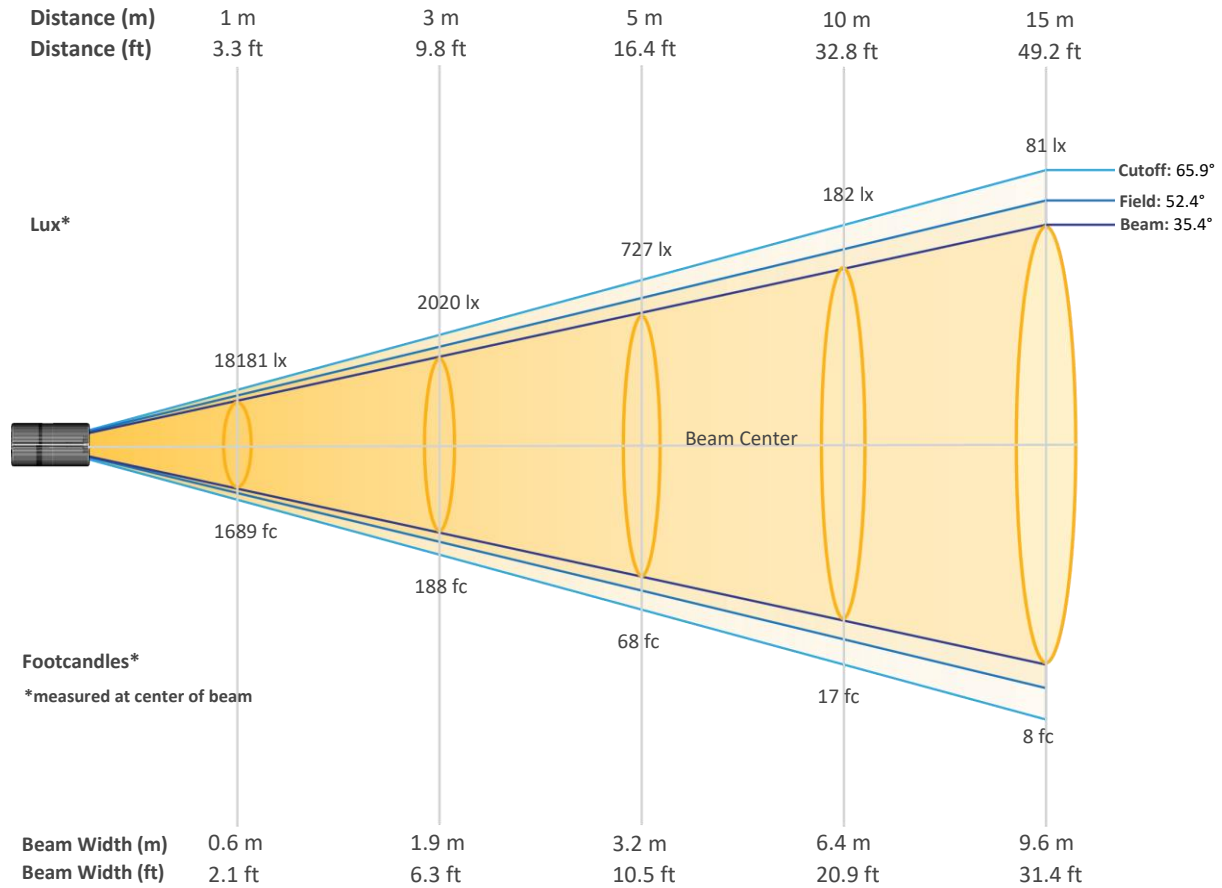
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Full - White Mode Calibration OFF

Beam Details

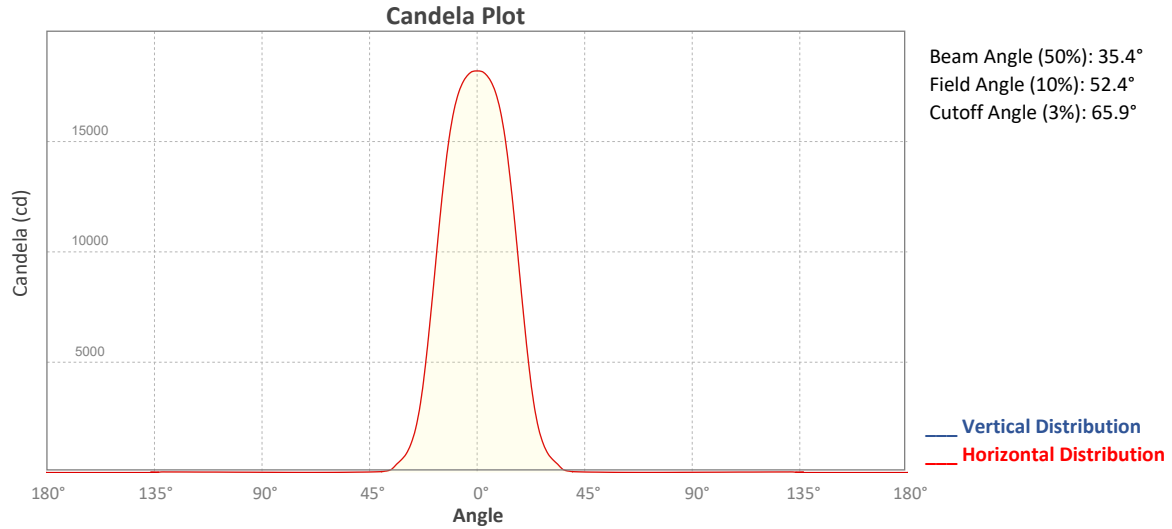


Beam Illuminances from 1-20m (3.3-65.6ft)

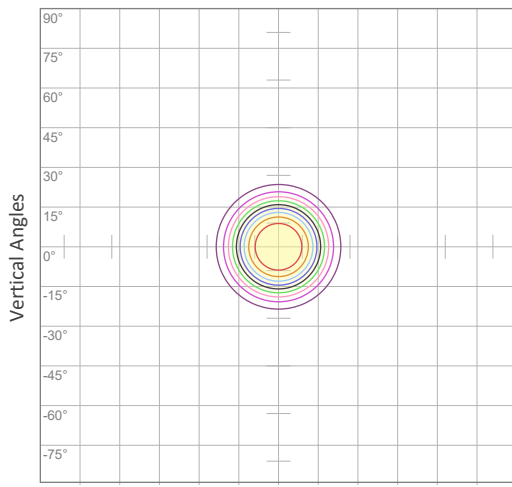
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	18181	4545	2020	1136	727	505	371	284	224	182
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	150	126	108	93	81	71	63	56	50	45
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1689	422	188	106	68	47	34	26	21	17
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	14	12	10	9	8	7	6	5	5	4

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Full - White Mode Calibration OFF



Polar Diagrams

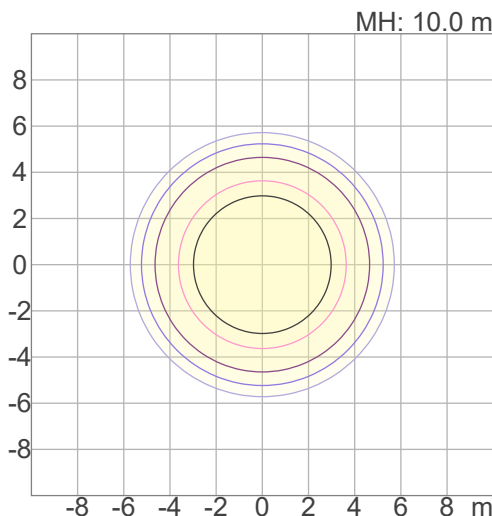


iso-candela Diagram

— 10%	1818 cd
— 20%	3636 cd
— 30%	5454 cd
— 40%	7272 cd
— 50%	9091 cd
— 60%	10909 cd
— 70%	12727 cd
— 80%	14545 cd
— 90%	16363 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 18181 cd

Horizontal Angles



iso-illuminance Diagram

— 3%	5.45 lx
— 5%	9.09 lx
— 10%	18.2 lx
— 30%	54.5 lx
— 50%	90.9 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 182 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Auto - White Mode Calibration ON

Report Summary

Output

Total Lumens: 5698 lm
Peak Intensity: 16175 cd
Illuminance @ 5m: 647 lux
Fixture Efficacy: 25 lm/W

Optical

Horizontal Beam Angle (50%): 35.4°
Vertical Beam Angle (50%): 35.4°
Horizontal Field Angle (10%): 52.3°
Vertical Field Angle (10%): 52.3°
Horizontal Cutoff Angle (3%): 65.7°
Vertical Cutoff Angle (3%): 65.7°



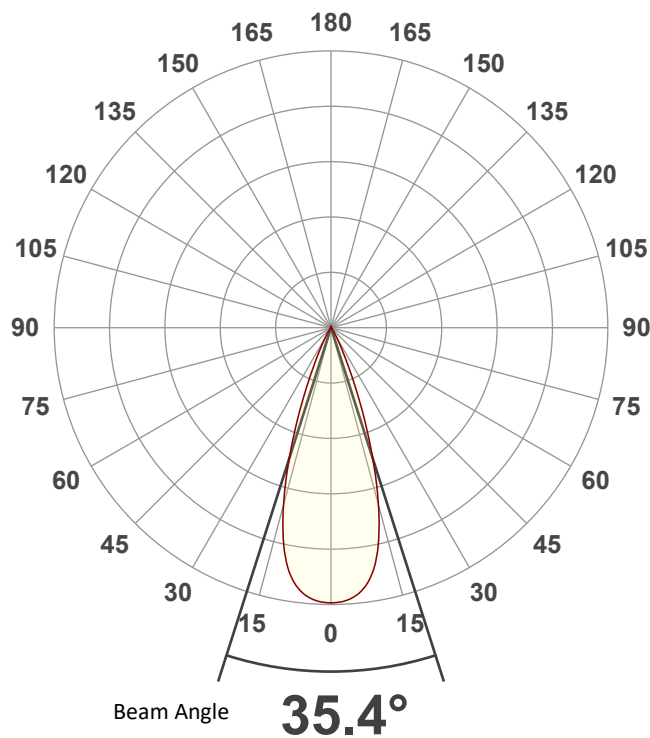
Conditions

AC Supply: 117 V, 60 Hz
Power: 233.68 W
Current: 1.99 A
Power Factor: 0.99

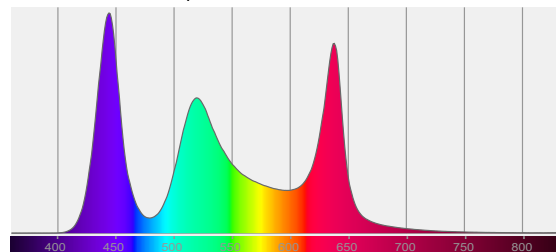
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement

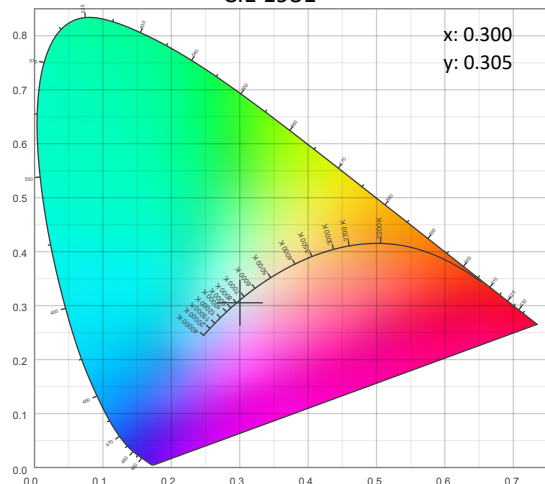
Angular Beam Distribution



Spectral Distribution



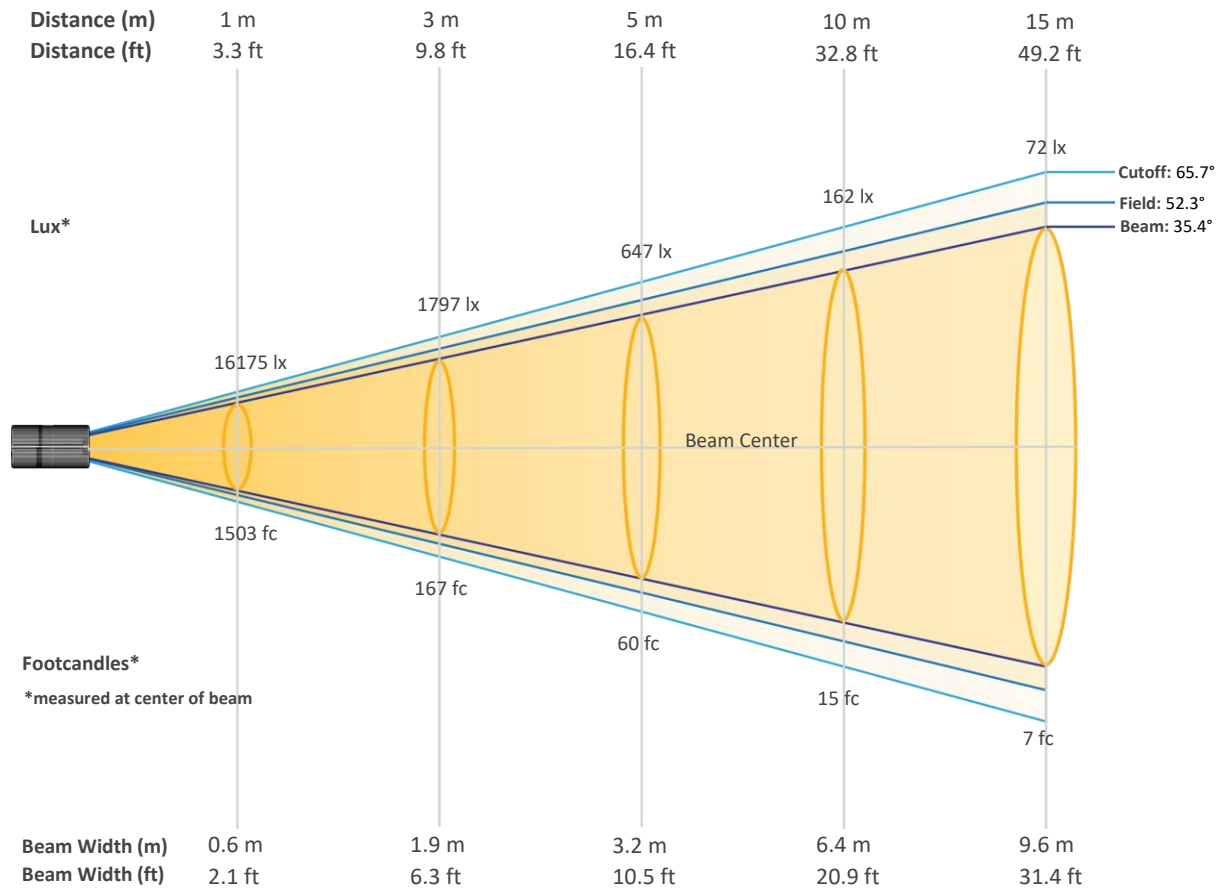
CIE 1931



Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Auto - White Mode Calibration ON

Beam Details

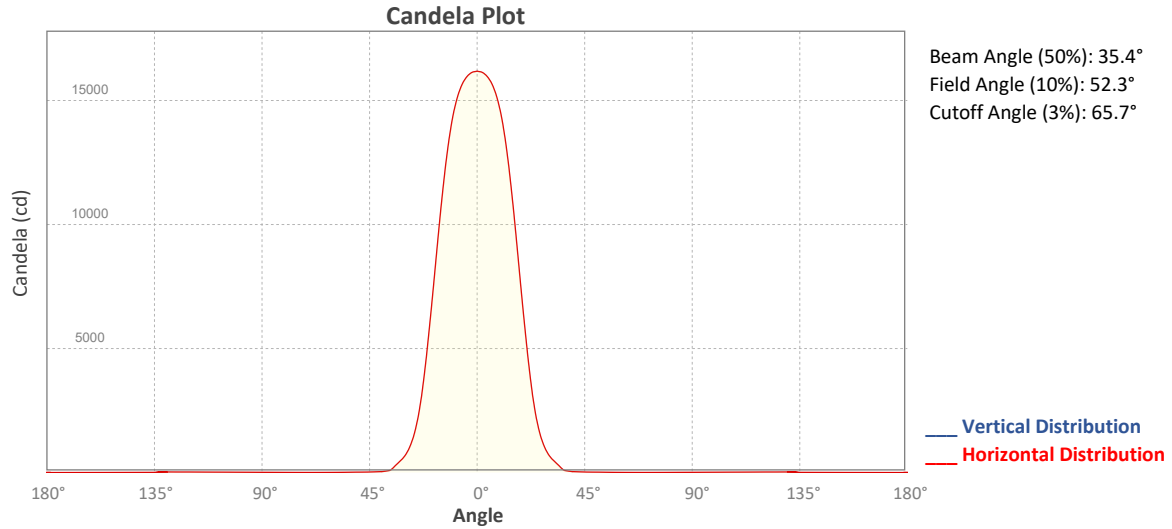


Beam Illuminances from 1-20m (3.3-65.6ft)

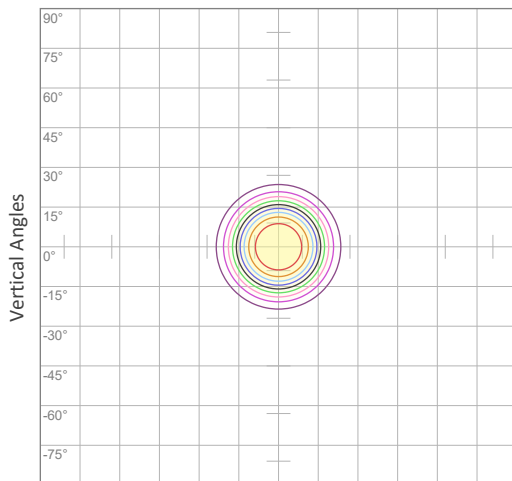
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	16175	4044	1797	1011	647	449	330	253	200	162
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	134	112	96	83	72	63	56	50	45	40
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1503	376	167	94	60	42	31	23	19	15
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	9	8	7	6	5	5	4	4

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Auto - White Mode Calibration ON



Polar Diagrams

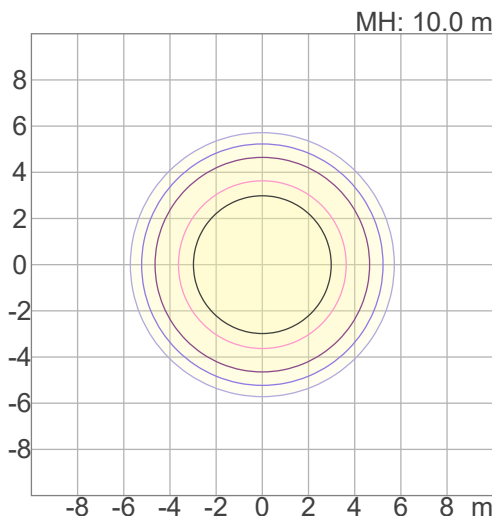


iso-candela Diagram

10%	1618 cd
20%	3235 cd
30%	4853 cd
40%	6470 cd
50%	8088 cd
60%	9705 cd
70%	11323 cd
80%	12940 cd
90%	14558 cd

Conditions:
Number of c-planes: 2
Candela at center: 16175 cd

Horizontal Angles



iso-illuminance Diagram

3%	4.85 lx
5%	8.09 lx
10%	16.2 lx
30%	48.5 lx
50%	80.9 lx

Conditions:
Number of c-planes: 2
Lux at center: 162 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Auto - White Mode Calibration OFF

Report Summary

Output

Total Lumens: 6366 lm
Peak Intensity: 18121 cd
Illuminance @ 5m: 725 lux
Fixture Efficacy: 21 lm/W

Optical

Horizontal Beam Angle (50%): 35.4°
Vertical Beam Angle (50%): 35.4°
Horizontal Field Angle (10%): 52.4°
Vertical Field Angle (10%): 52.4°
Horizontal Cutoff Angle (3%): 66°
Vertical Cutoff Angle (3%): 66°

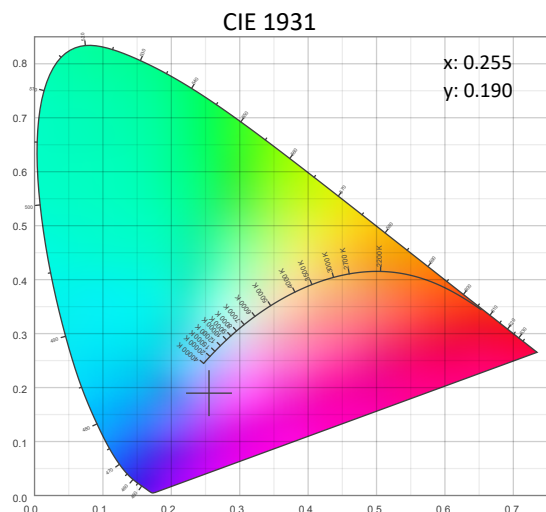
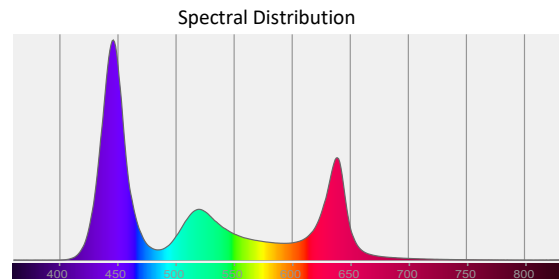
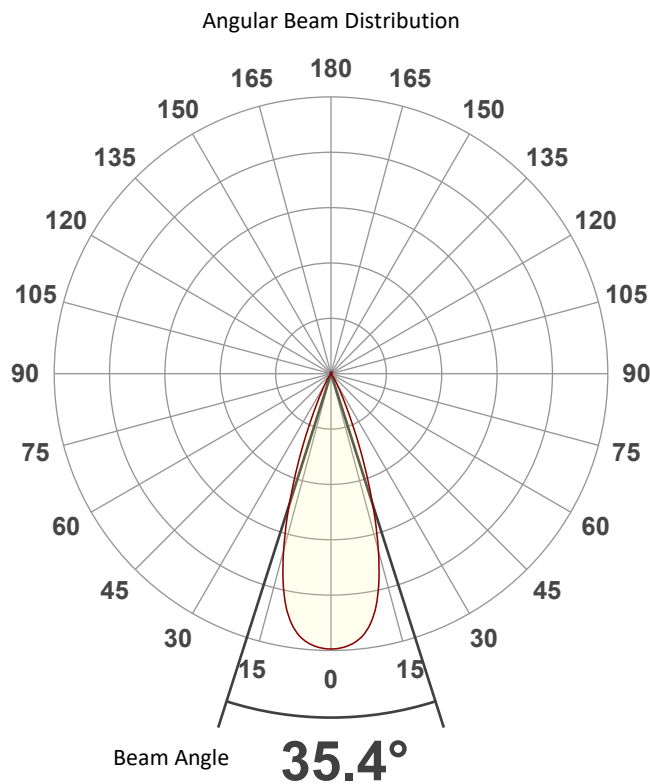


Conditions

AC Supply: 116 V, 60 Hz
Power: 307.95 W
Current: 2.65 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

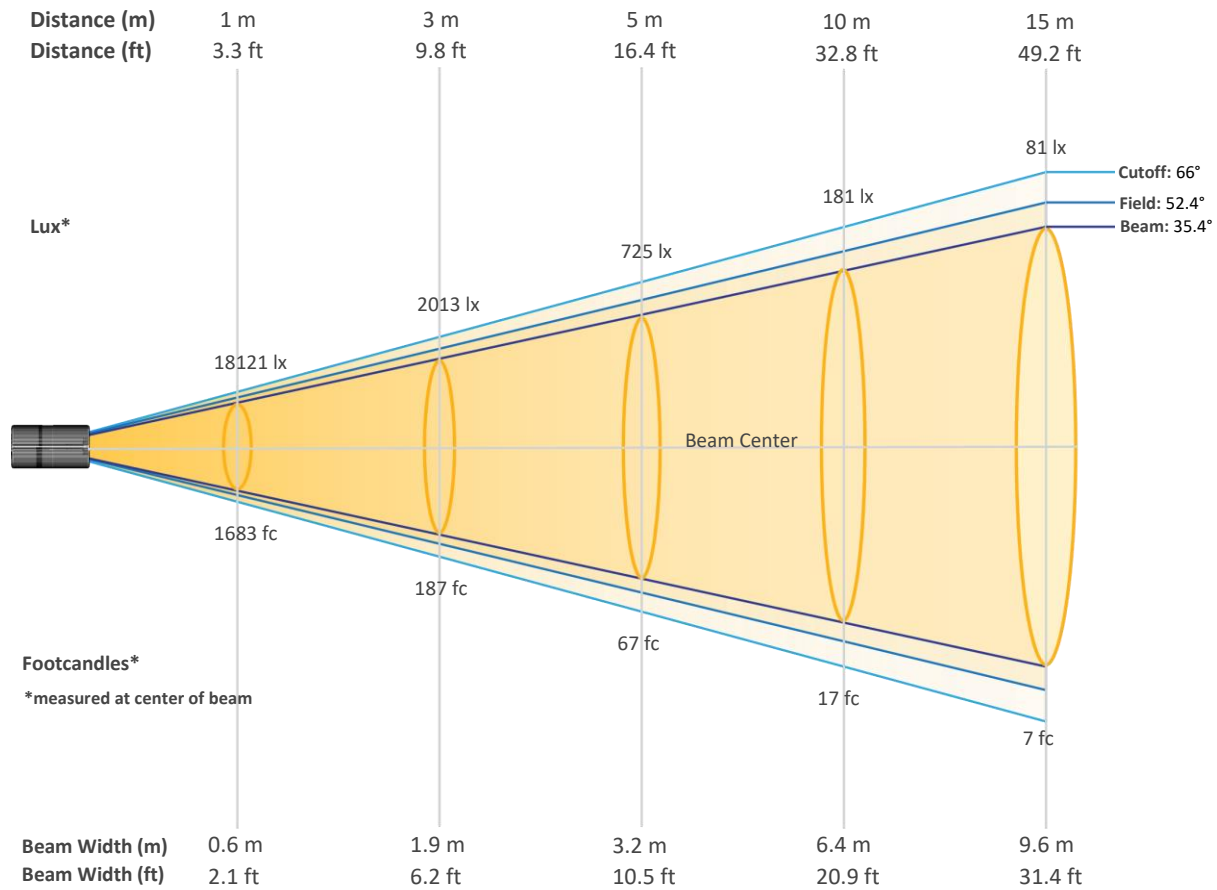
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Auto - White Mode Calibration OFF

Beam Details

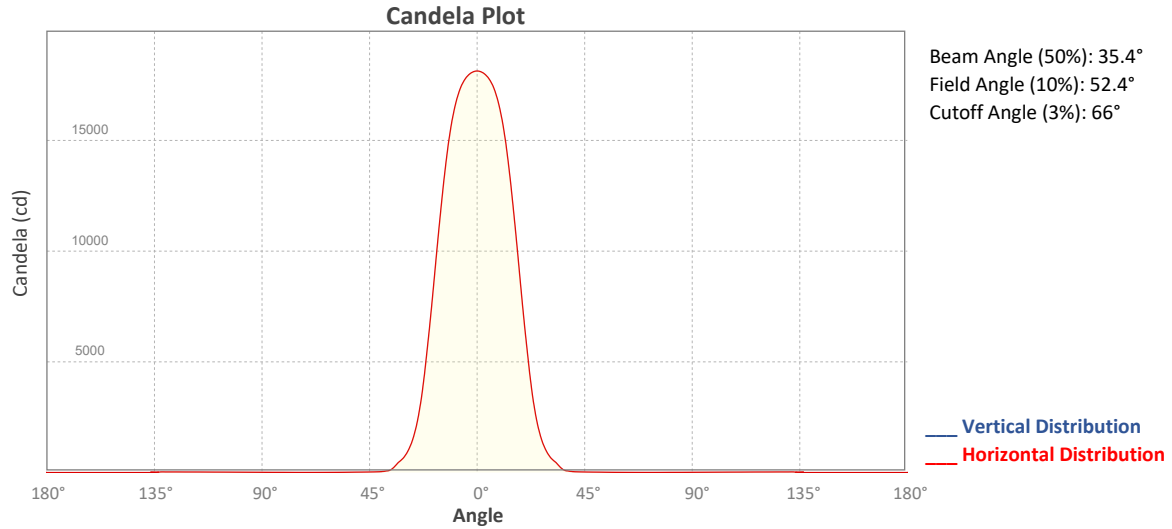


Beam Illuminances from 1-20m (3.3-65.6ft)

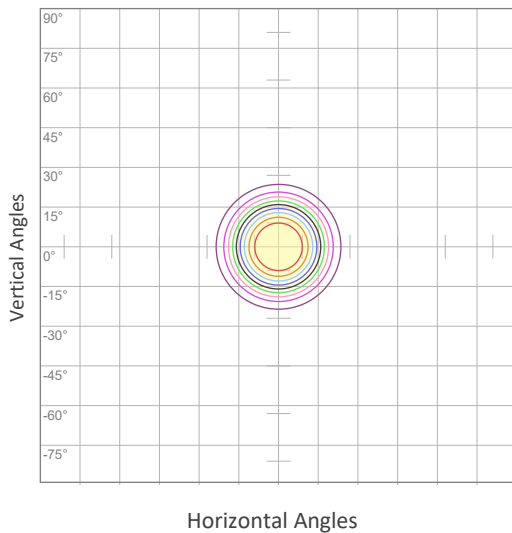
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	18121	4530	2013	1133	725	503	370	283	224	181
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	150	126	107	92	81	71	63	56	50	45
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1683	421	187	105	67	47	34	26	21	17
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	14	12	10	9	7	7	6	5	5	4

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to Auto - White Mode Calibration OFF



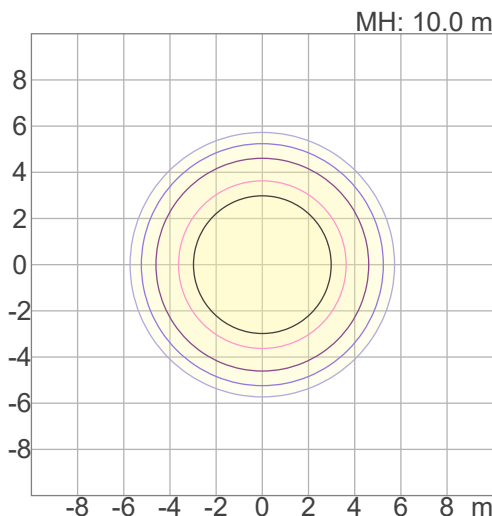
Polar Diagrams



iso-candela Diagram

	10%	1812 cd
	20%	3624 cd
	30%	5436 cd
	40%	7248 cd
	50%	9060 cd
	60%	10873 cd
	70%	12685 cd
	80%	14497 cd
	90%	16309 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 18121 cd



iso-illuminance Diagram

	3%	5.44 lx
	5%	9.06 lx
	10%	18.1 lx
	30%	54.4 lx
	50%	90.6 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 181 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to ECO - White Mode Calibration ON

Report Summary

Output

Total Lumens: 5706 lm
Peak Intensity: 16225 cd
Illuminance @ 5m: 649 lux
Fixture Efficacy: 25 lm/W

Optical

Horizontal Beam Angle (50%): 35.4°
Vertical Beam Angle (50%): 35.4°
Horizontal Field Angle (10%): 52.3°
Vertical Field Angle (10%): 52.3°
Horizontal Cutoff Angle (3%): 65.7°
Vertical Cutoff Angle (3%): 65.7°

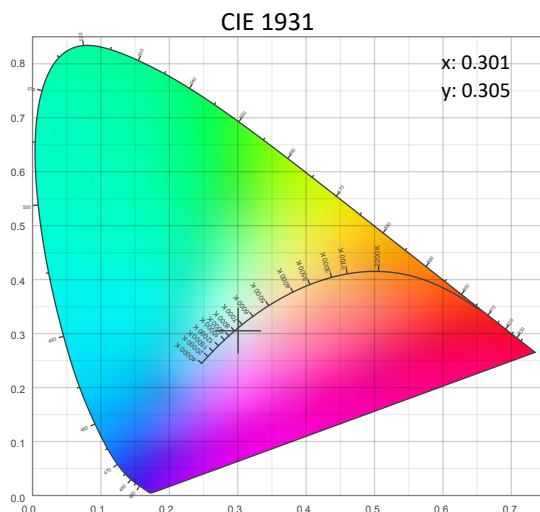
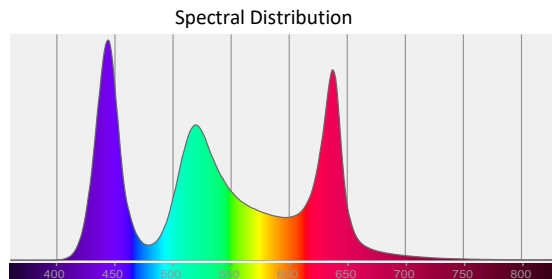
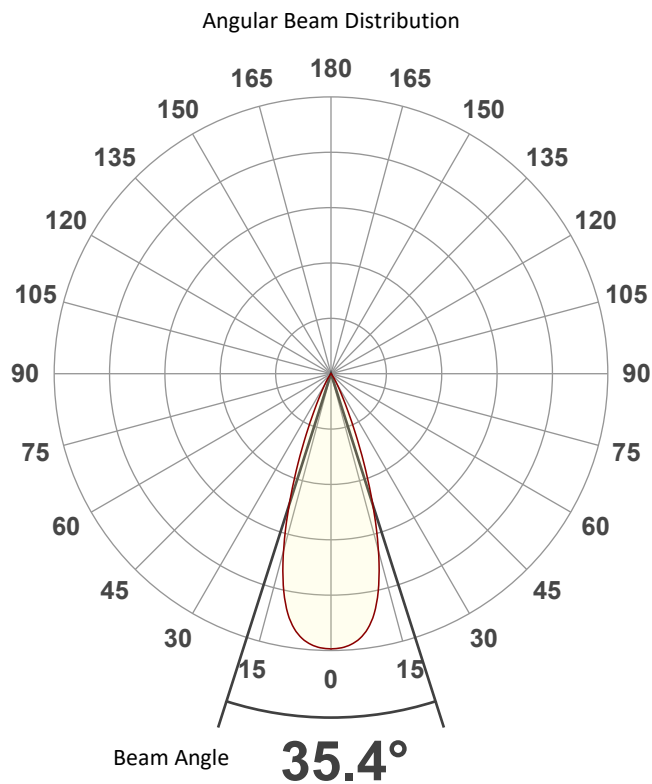


Conditions

AC Supply: 117 V, 60 Hz
Power: 233.08 W
Current: 1.99 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

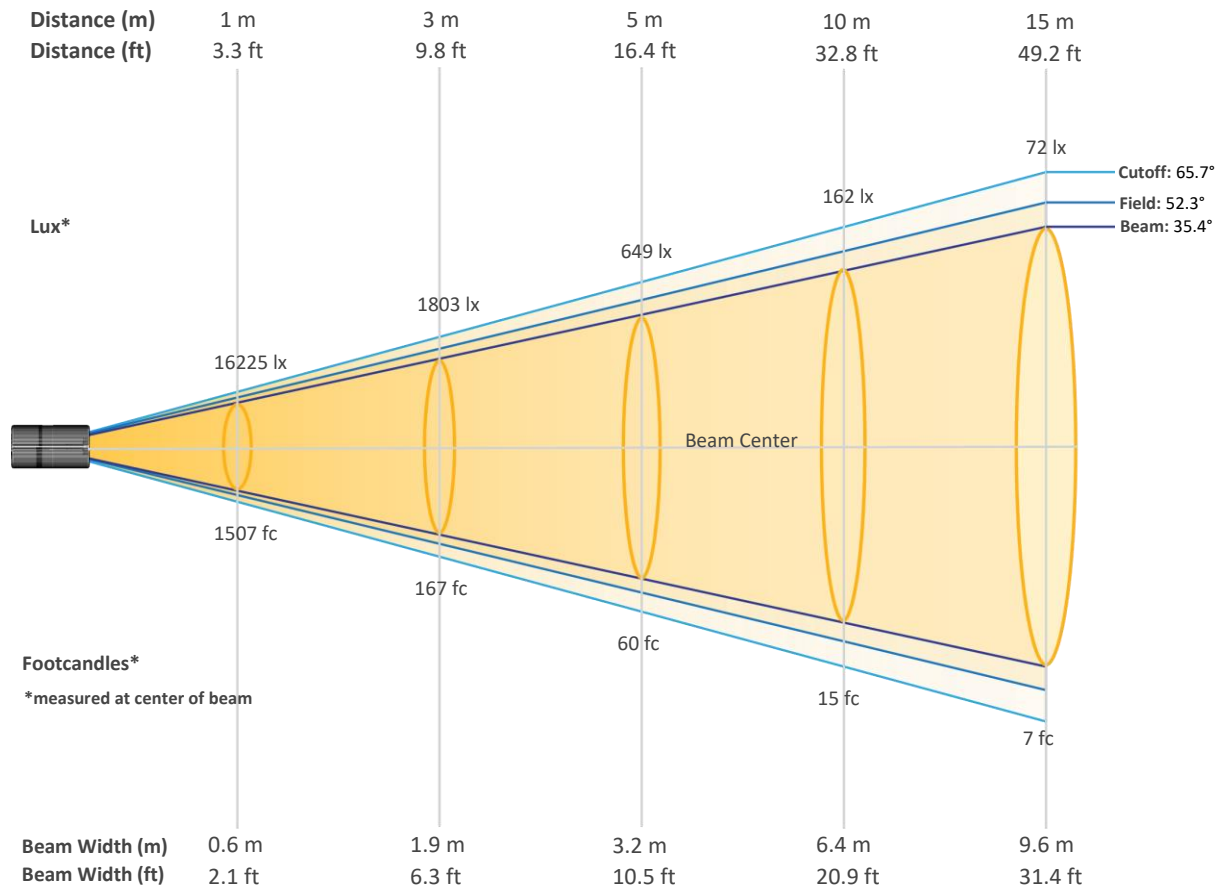
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to ECO - White Mode Calibration ON

Beam Details

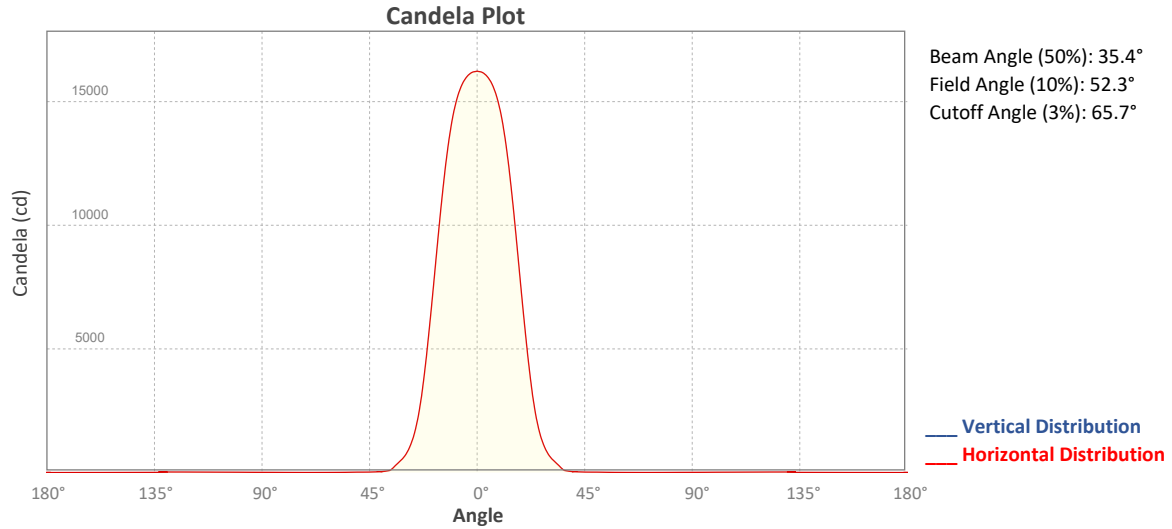


Beam Illuminances from 1-20m (3.3-65.6ft)

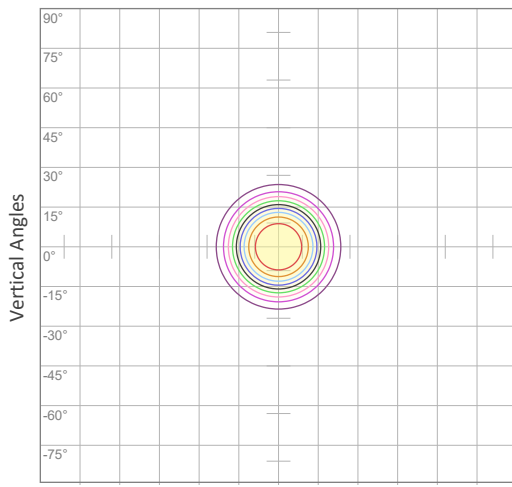
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	16225	4056	1803	1014	649	451	331	254	200	162
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	134	113	96	83	72	63	56	50	45	41
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1507	377	167	94	60	42	31	24	19	15
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	9	8	7	6	5	5	4	4

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to ECO - White Mode Calibration ON



Polar Diagrams

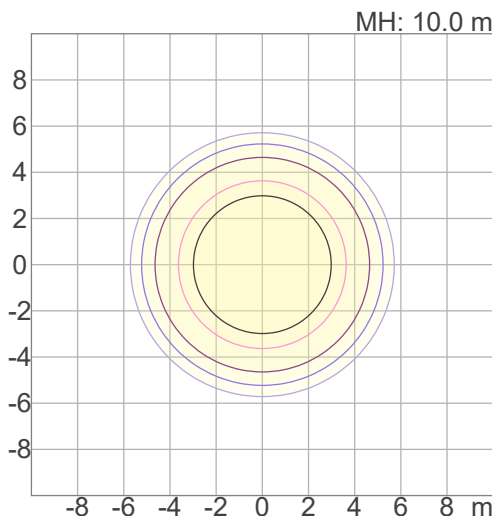


iso-candela Diagram

10%	1622 cd
20%	3245 cd
30%	4867 cd
40%	6490 cd
50%	8112 cd
60%	9735 cd
70%	11357 cd
80%	12980 cd
90%	14602 cd

Conditions:
Number of c-planes: 2
Candela at center: 16225 cd

Horizontal Angles



iso-illuminance Diagram

3%	4.87 lx
5%	8.11 lx
10%	16.2 lx
30%	48.7 lx
50%	81.1 lx

Conditions:
Number of c-planes: 2
Lux at center: 162 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power- Steady - Fan set to ECO - White Mode
Calibration ON

Report Summary

Output

Total Lumens: 5855 lm
Peak Intensity: 16426 cd
Illuminance @ 5m: 657 lux
Fixture Efficacy: 26 lm/W

Optical

Horizontal Beam Angle (50%): 35.7°
Vertical Beam Angle (50%): 35.7°
Horizontal Field Angle (10%): 52.5°
Vertical Field Angle (10%): 52.5°
Horizontal Cutoff Angle (3%): 66.1°
Vertical Cutoff Angle (3%): 66.1°

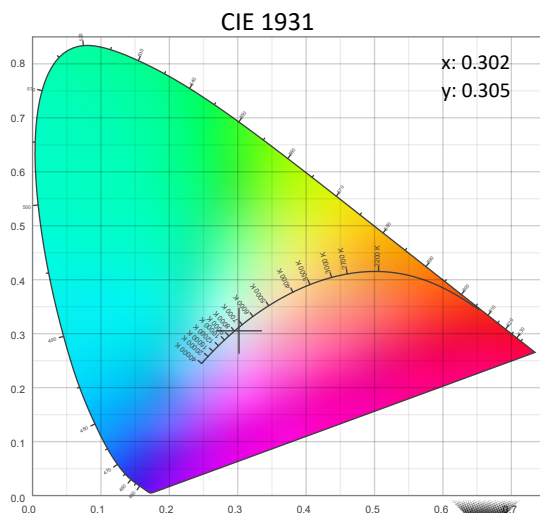
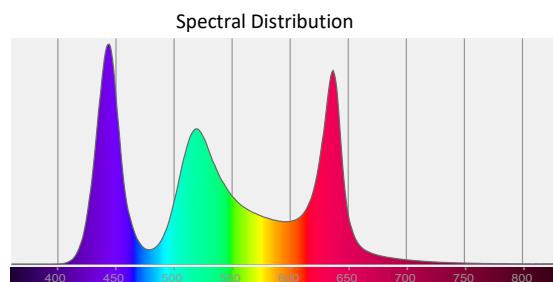
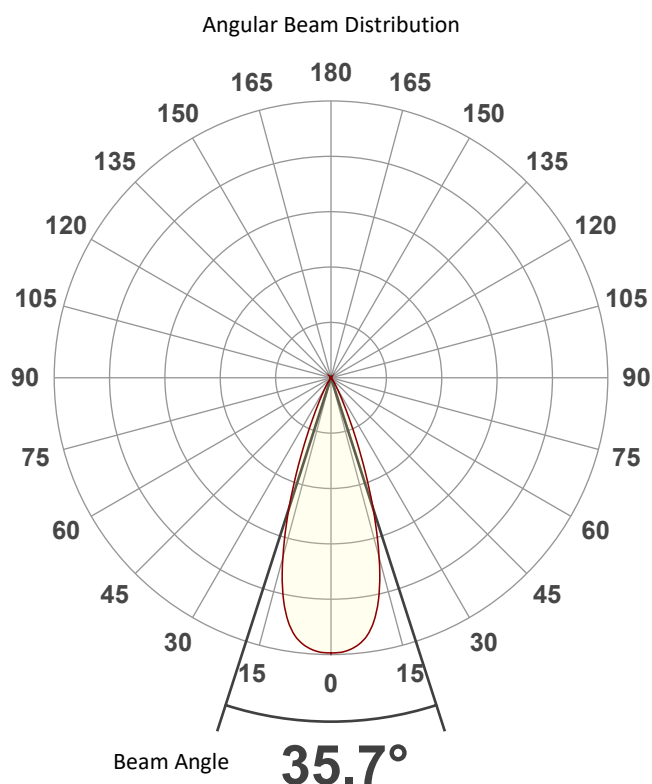


Conditions

AC Supply: 118 V, 60 Hz
Power: 231.55 W
Current: 1.97 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/3/2022 to LM-63-2002 Standards.

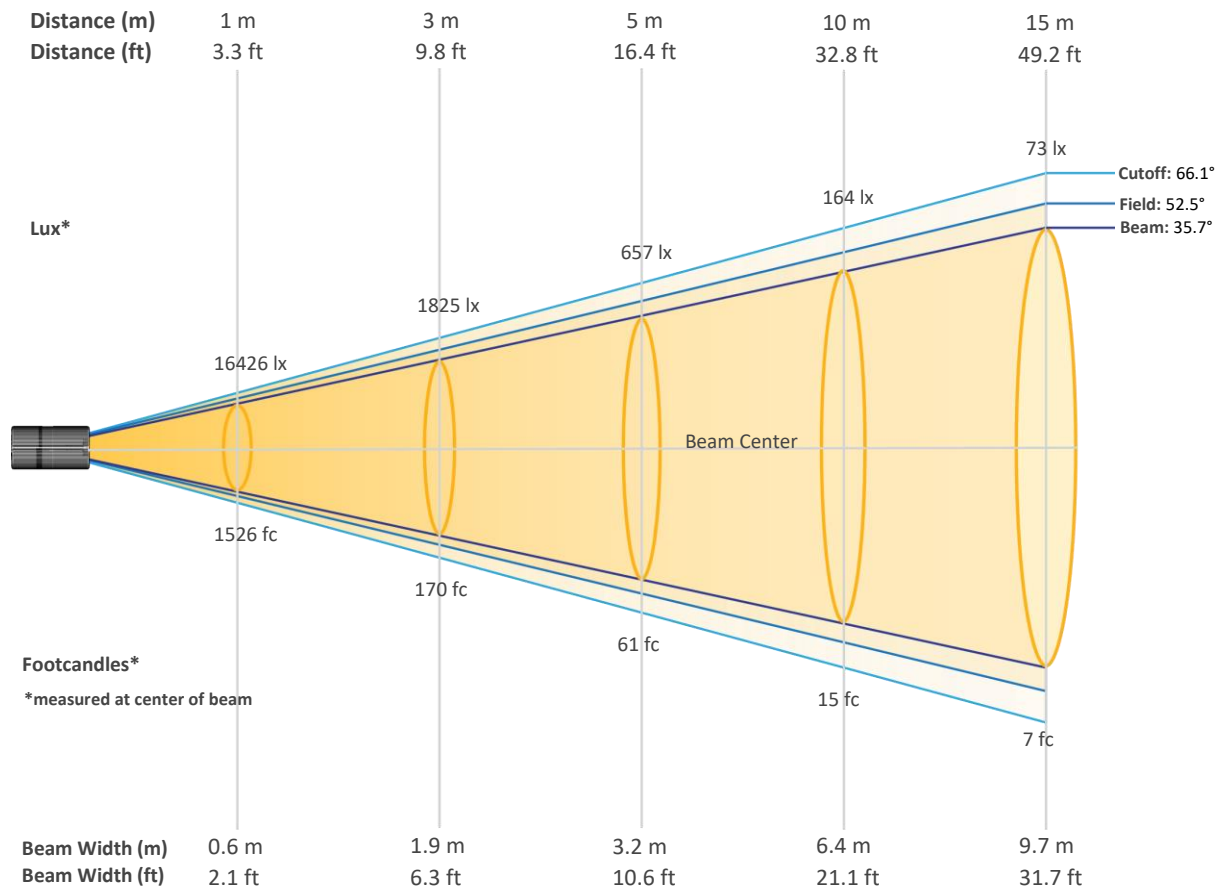
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power- Steady - Fan set to ECO - White Mode
Calibration ON

Beam Details

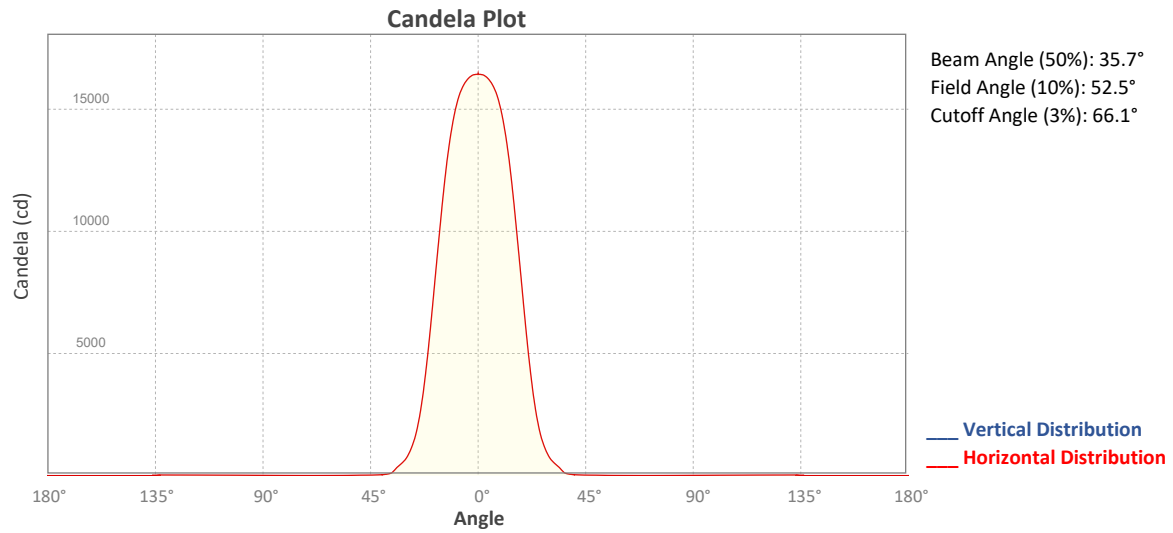


Beam Illuminances from 1-20m (3.3-65.6ft)

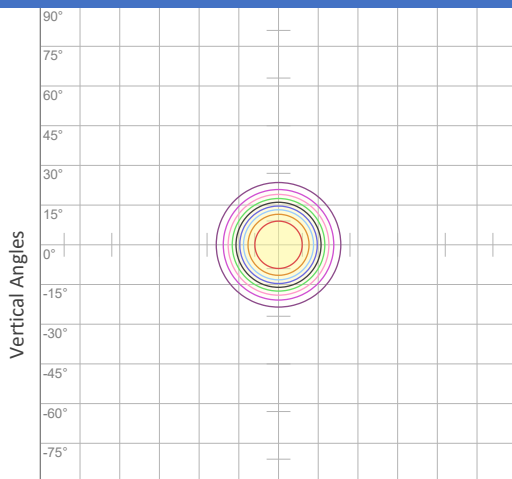
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	16426	4107	1825	1027	657	456	335	257	203	164
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	136	114	97	84	73	64	57	51	46	41
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1526	382	170	95	61	42	31	24	19	15
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	13	11	9	8	7	6	5	5	4	4

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power- Steady - Fan set to ECO - White Mode
Calibration ON



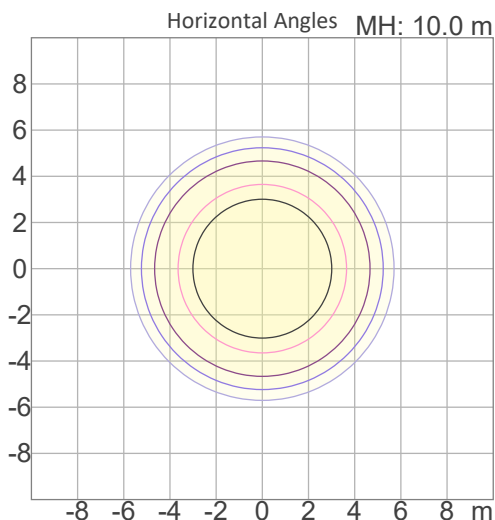
Polar Diagrams



iso-candela Diagram

10%	1643 cd
20%	3285 cd
30%	4928 cd
40%	6570 cd
50%	8213 cd
60%	9856 cd
70%	11498 cd
80%	13141 cd
90%	14784 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 16426 cd



iso-illuminance Diagram

3%	4.93 lx
5%	8.21 lx
10%	16.4 lx
30%	49.3 lx
50%	82.1 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 164 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to ECO - White Mode Calibration OFF

Report Summary

Output

Total Lumens: 6365 lm
Peak Intensity: 18135 cd
Illuminance @ 5m: 725 lux
Fixture Efficacy: 21 lm/W

Optical

Horizontal Beam Angle (50%): 35.4°
Vertical Beam Angle (50%): 35.4°
Horizontal Field Angle (10%): 52.5°
Vertical Field Angle (10%): 52.5°
Horizontal Cutoff Angle (3%): 65.8°
Vertical Cutoff Angle (3%): 65.8°

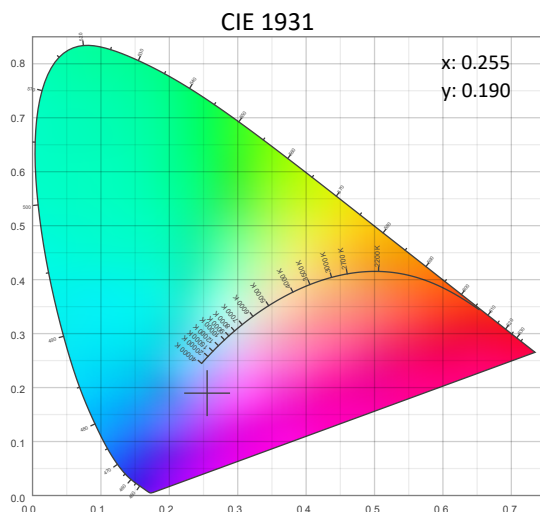
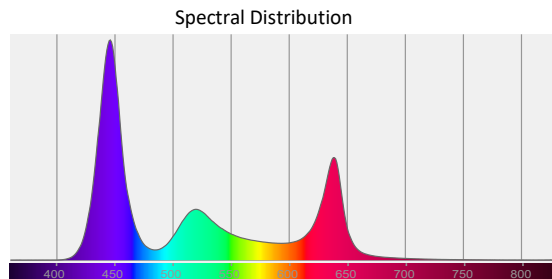
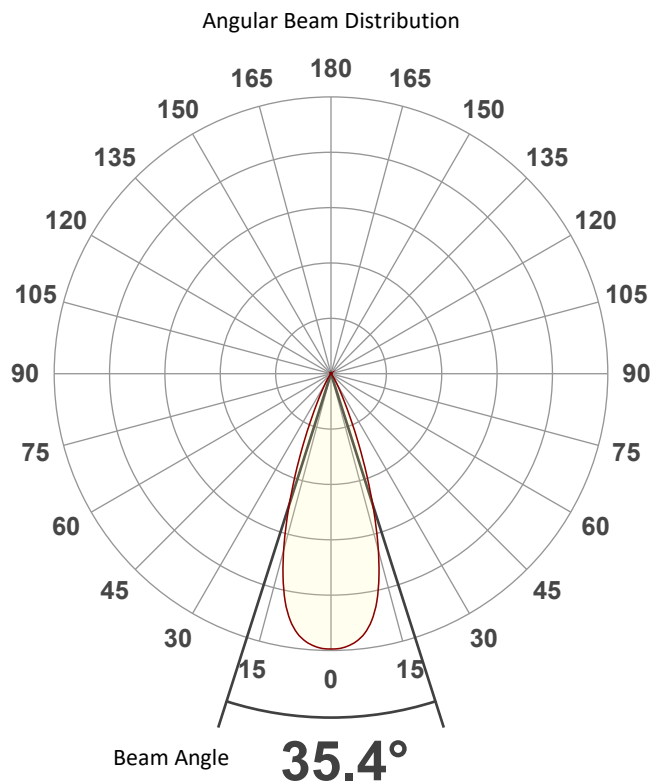


Conditions

AC Supply: 116 V, 60 Hz
Power: 306.99 W
Current: 2.64 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

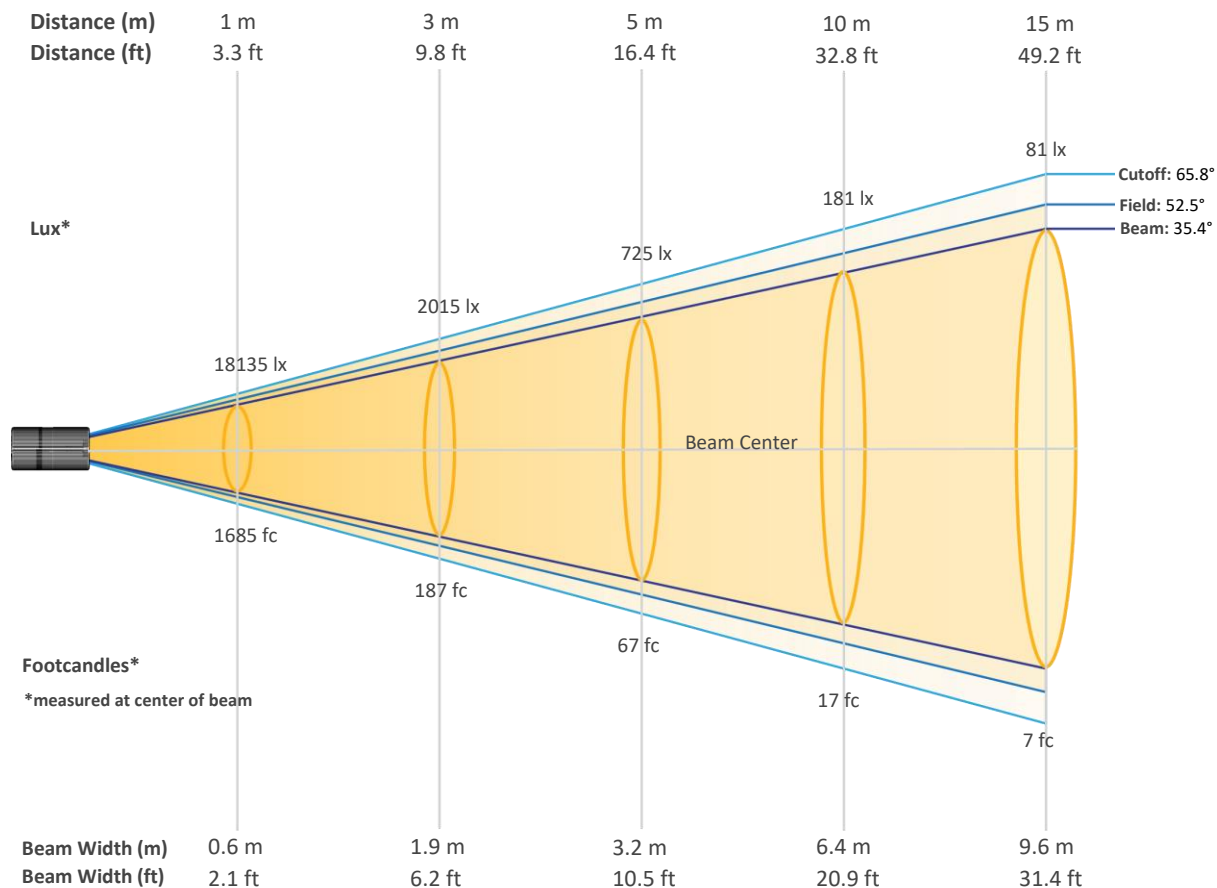
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to ECO - White Mode Calibration OFF

Beam Details

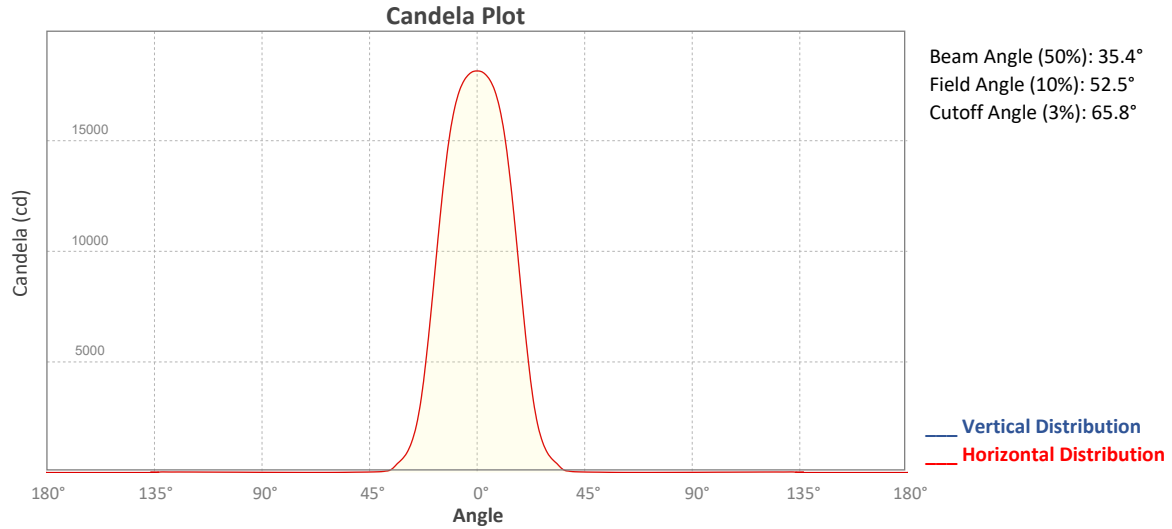


Beam Illuminances from 1-20m (3.3-65.6ft)

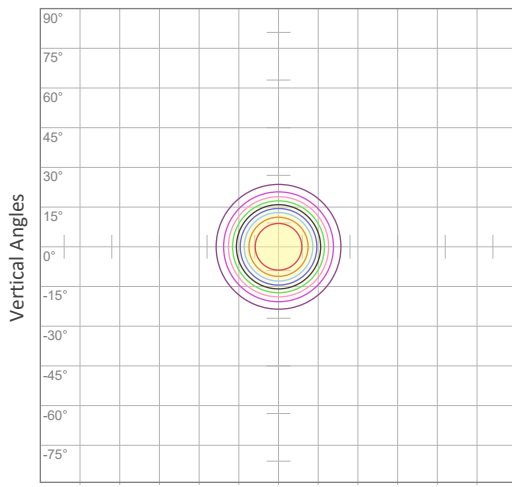
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	18135	4534	2015	1133	725	504	370	283	224	181
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	150	126	107	93	81	71	63	56	50	45
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1685	421	187	105	67	47	34	26	21	17
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	14	12	10	9	7	7	6	5	5	4

Photometric Report

Rogue Outcast 2X Wash: Full Flood - Full Power - Fan set to ECO - White Mode Calibration OFF



Polar Diagrams

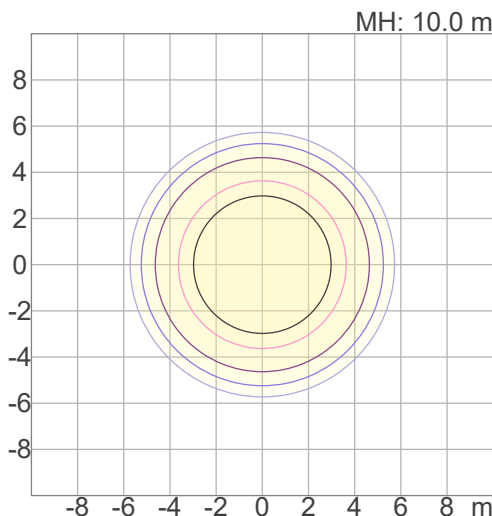


iso-candela Diagram

10%	1814 cd
20%	3627 cd
30%	5441 cd
40%	7254 cd
50%	9068 cd
60%	10881 cd
70%	12695 cd
80%	14508 cd
90%	16322 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 18135 cd

Horizontal Angles



iso-illuminance Diagram

3%	5.44 lx
5%	9.07 lx
10%	18.1 lx
30%	54.4 lx
50%	90.7 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 181 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Full - White Mode Calibration ON

Report Summary

Output

Total Lumens: 4415 lm

Peak Intensity: 188424 cd

Illuminance @ 5m: 7537 lux

Fixture Efficacy: 19 lm/W

Optical

Horizontal Beam Angle (50%): 7.3°

Vertical Beam Angle (50%): 7.3°

Horizontal Field Angle (10%): 11.6°

Vertical Field Angle (10%): 11.6°

Horizontal Cutoff Angle (3%): 18.1°

Vertical Cutoff Angle (3%): 18.1°



Conditions

AC Supply: 117 V, 60 Hz

Power: 230.06 W

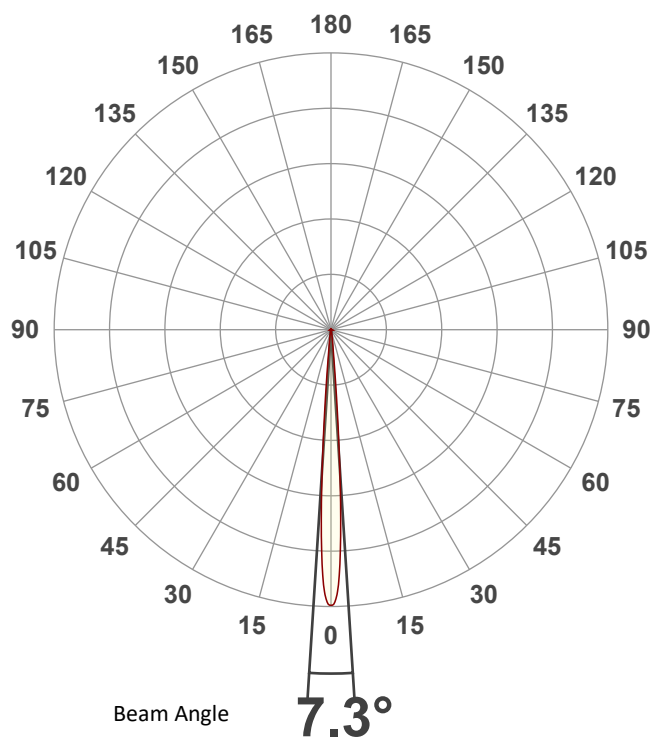
Current: 1.97 A

Power Factor: 0.99

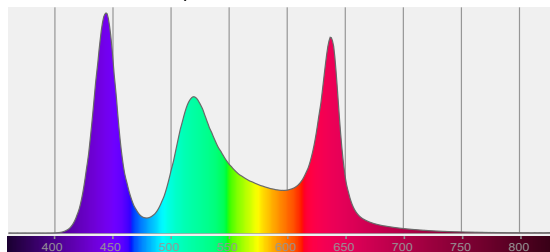
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement

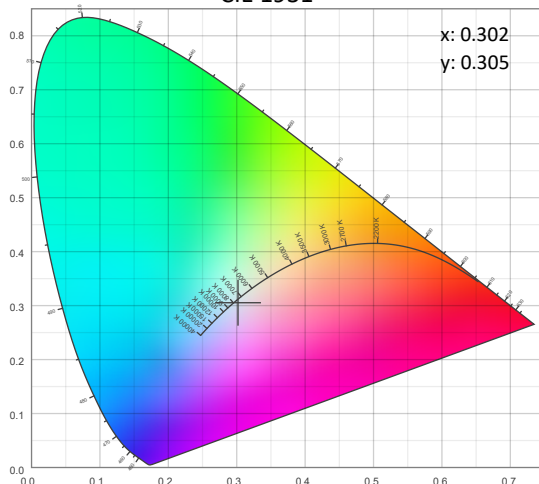
Angular Beam Distribution



Spectral Distribution



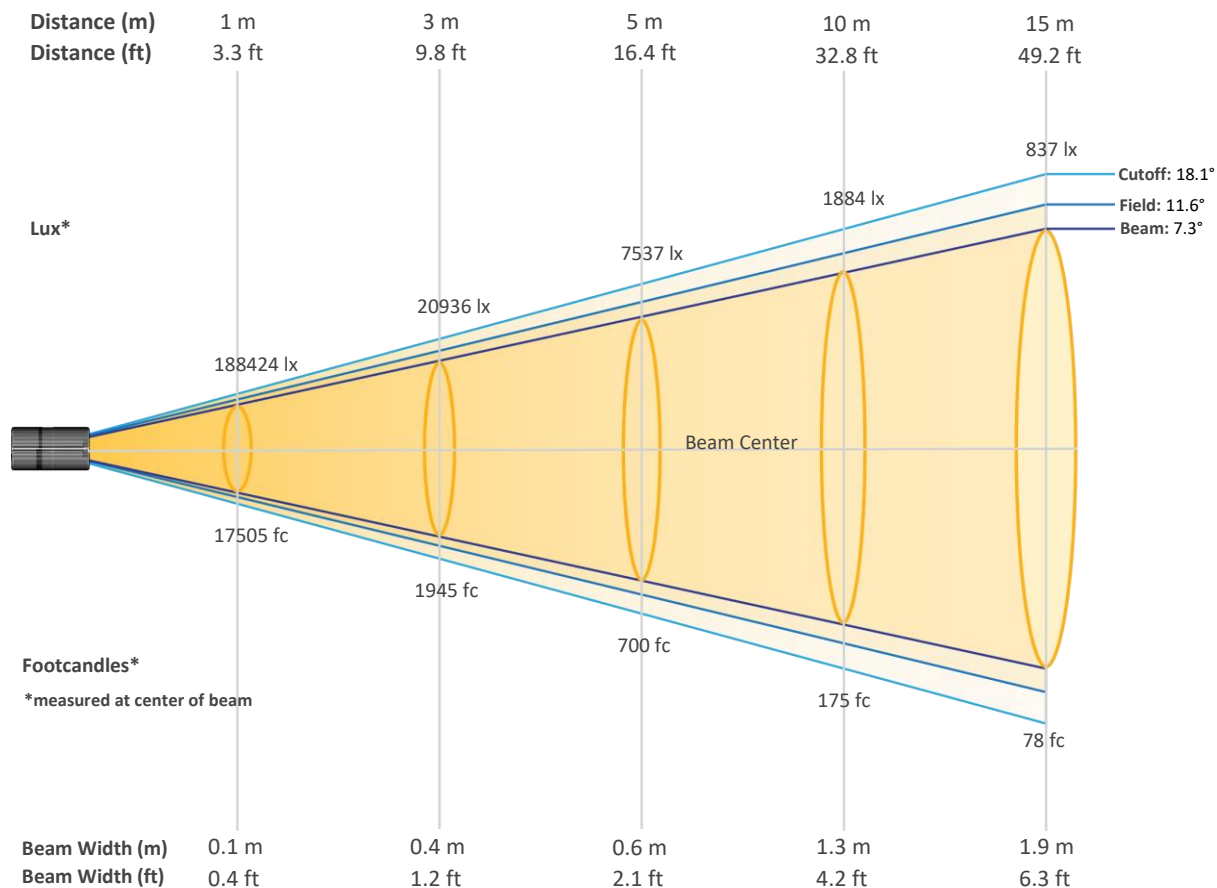
CIE 1931



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Full - White Mode Calibration ON

Beam Details

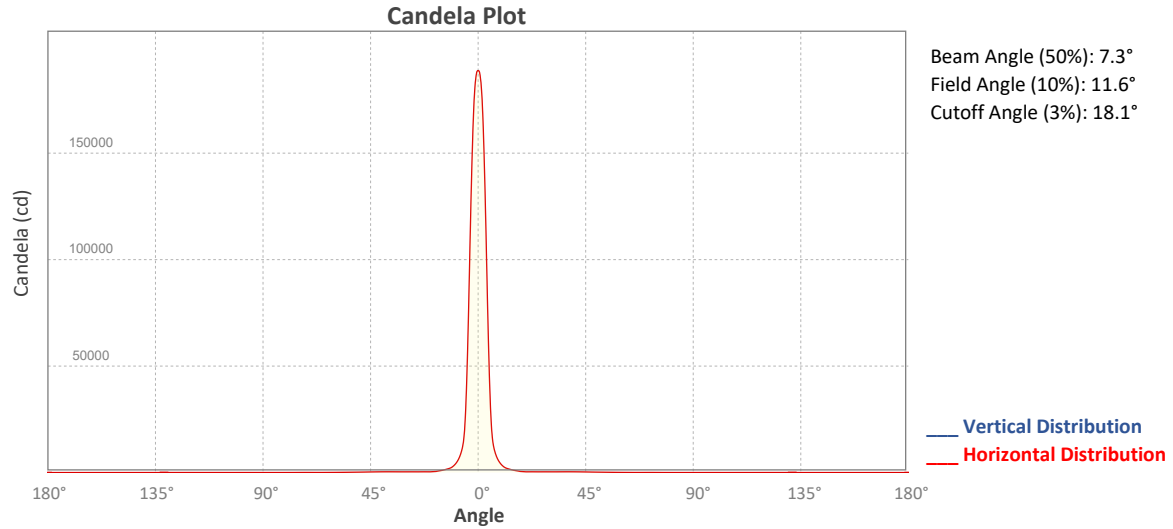


Beam Illuminances from 1-20m (3.3-65.6ft)

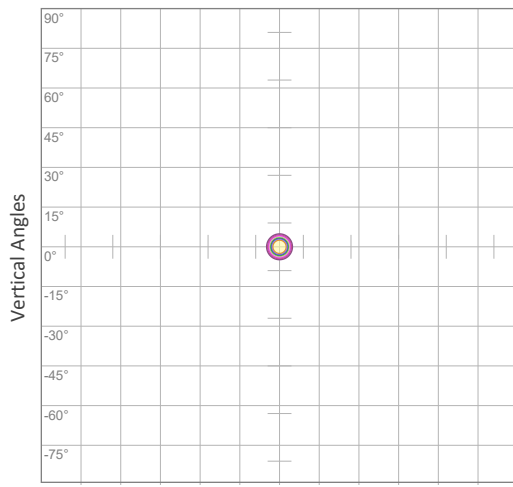
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	188424	47106	20936	11777	7537	5234	3845	2944	2326	1884
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1557	1309	1115	961	837	736	652	582	522	471
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	17505	4376	1945	1094	700	486	357	274	216	175
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	145	122	104	89	78	68	61	54	48	44

Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Full - White Mode Calibration ON



Polar Diagrams

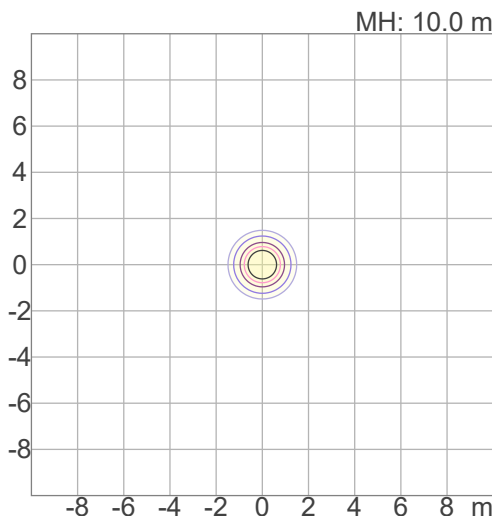


iso-candela Diagram

10%	18842 cd
20%	37685 cd
30%	56527 cd
40%	75370 cd
50%	94212 cd
60%	113055 cd
70%	131897 cd
80%	150739 cd
90%	169582 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 188424 cd

Horizontal Angles



iso-illuminance Diagram

3%	56.5 lx
5%	94.2 lx
10%	188 lx
30%	565 lx
50%	942 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 1884 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Full - White Mode Calibration OFF

Report Summary

Output

Total Lumens: 4905 lm

Peak Intensity: 211956 cd

Illuminance @ 5m: 8478 lux

Fixture Efficacy: 16 lm/W

Optical

Horizontal Beam Angle (50%): 7.2°

Vertical Beam Angle (50%): 7.2°

Horizontal Field Angle (10%): 11.5°

Vertical Field Angle (10%): 11.5°

Horizontal Cutoff Angle (3%): 18.1°

Vertical Cutoff Angle (3%): 18.1°



Conditions

AC Supply: 117 V, 60 Hz

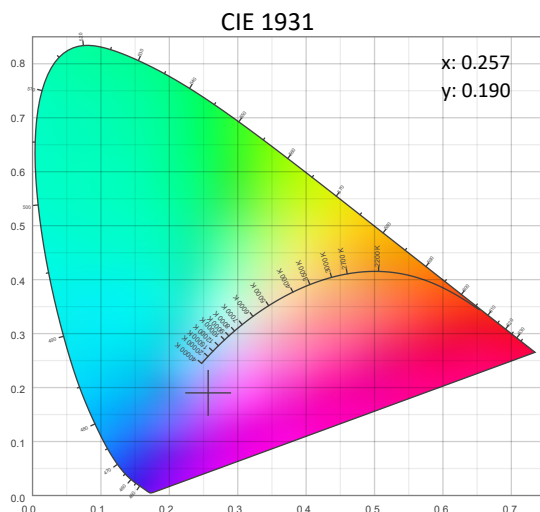
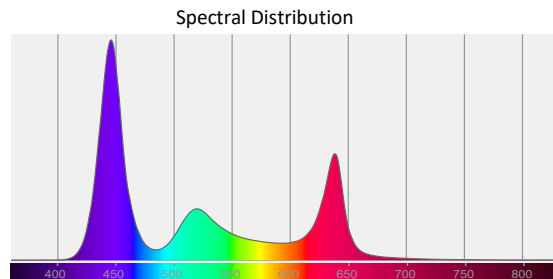
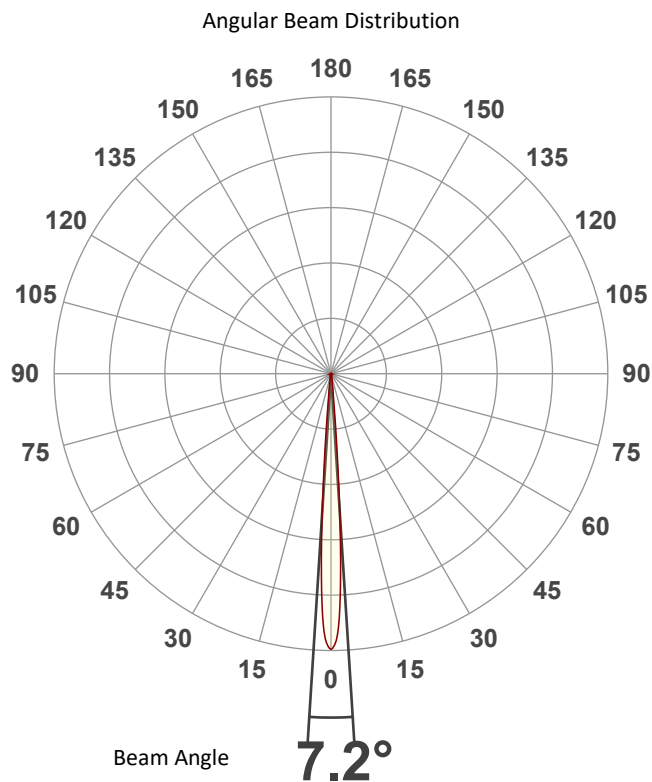
Power: 310.07 W

Current: 2.66 A

Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

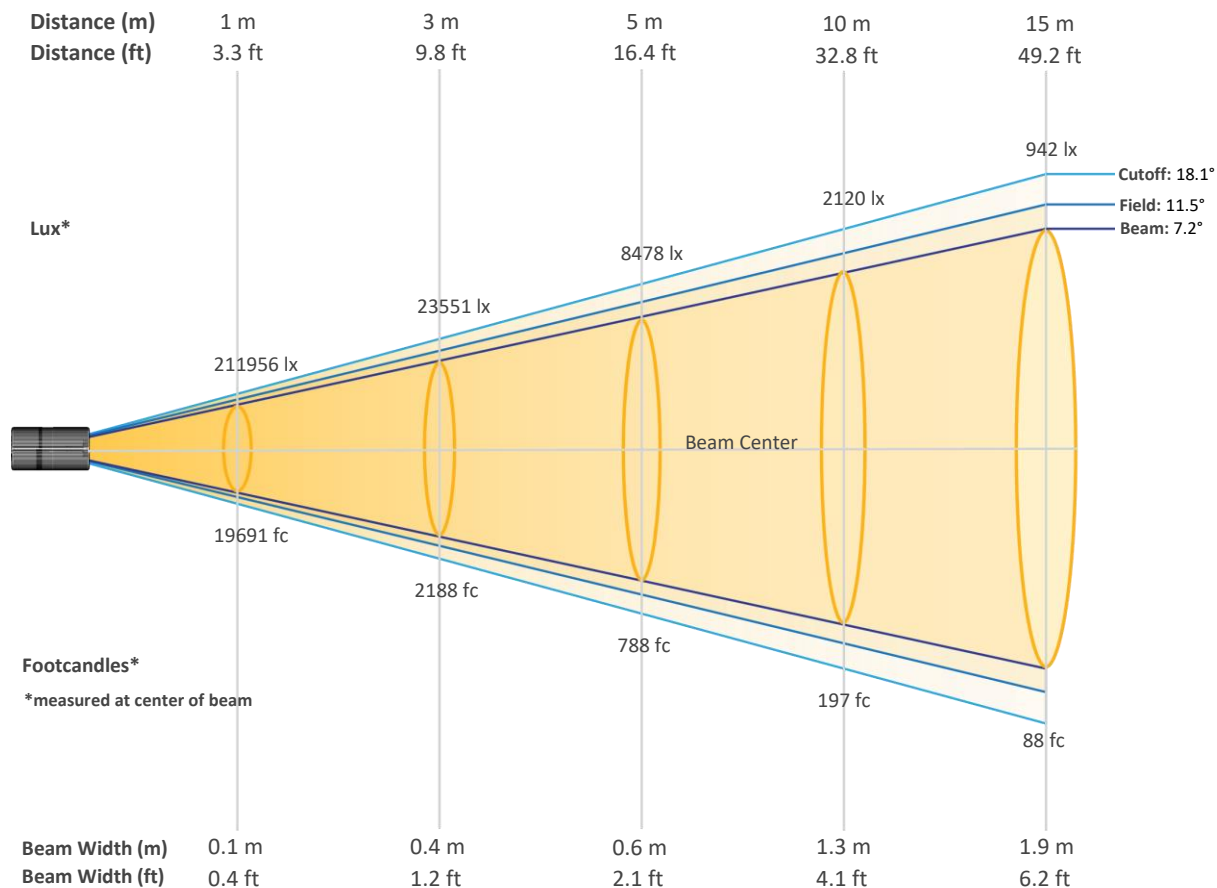
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Full - White Mode Calibration OFF

Beam Details

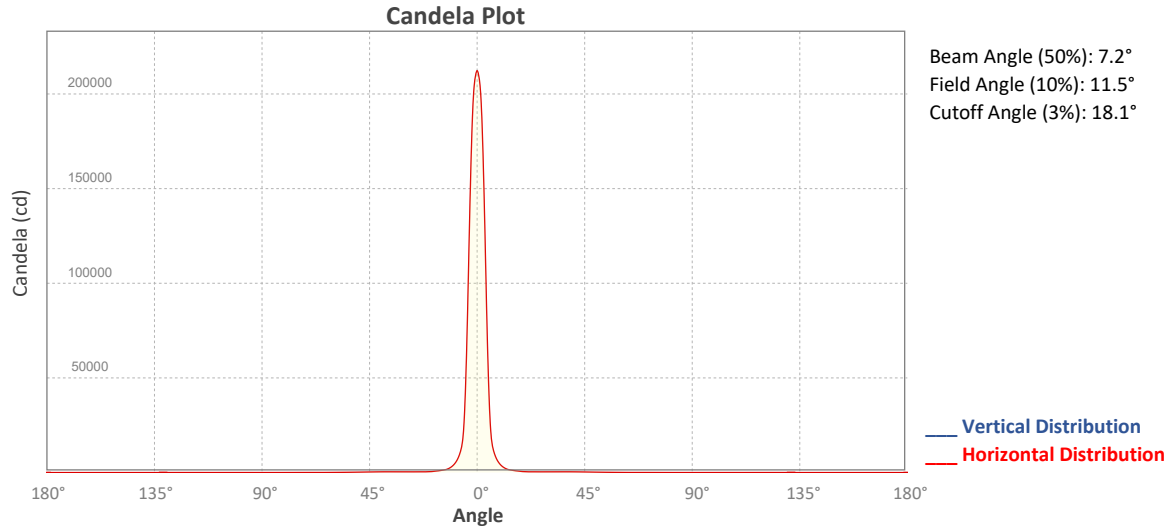


Beam Illuminances from 1-20m (3.3-65.6ft)

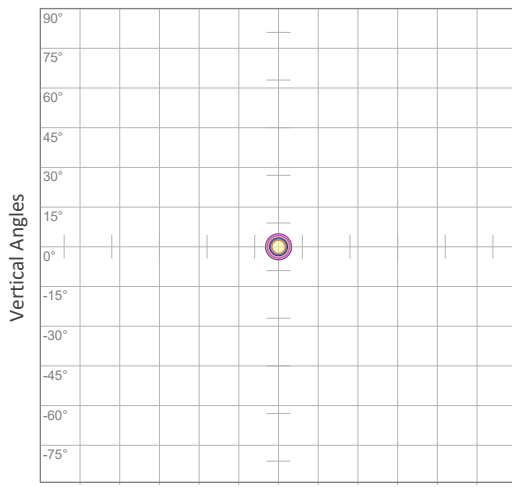
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	211956	52989	23551	13247	8478	5888	4326	3312	2617	2120
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1752	1472	1254	1081	942	828	733	654	587	530
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	19691	4923	2188	1231	788	547	402	308	243	197
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	163	137	117	100	88	77	68	61	55	49

Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Full - White Mode Calibration OFF



Polar Diagrams

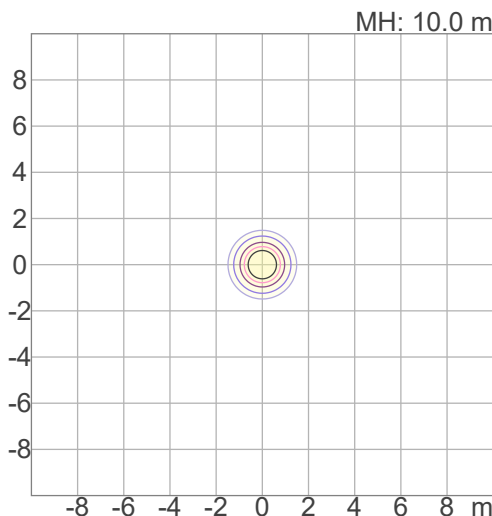


iso-candela Diagram

10%	21196 cd
20%	42391 cd
30%	63587 cd
40%	84782 cd
50%	105978 cd
60%	127173 cd
70%	148369 cd
80%	169565 cd
90%	190760 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 211956 cd

Horizontal Angles



iso-illuminance Diagram

3%	63.6 lx
5%	106 lx
10%	212 lx
30%	636 lx
50%	1060 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 2120 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Auto - White Mode Calibration ON

Report Summary

Output

Total Lumens: 4369 lm
Peak Intensity: 188438 cd
Illuminance @ 5m: 7538 lux
Fixture Efficacy: 19 lm/W

Optical

Horizontal Beam Angle (50%): 7.3°
Vertical Beam Angle (50%): 7.3°
Horizontal Field Angle (10%): 11.6°
Vertical Field Angle (10%): 11.6°
Horizontal Cutoff Angle (3%): 18°
Vertical Cutoff Angle (3%): 18°

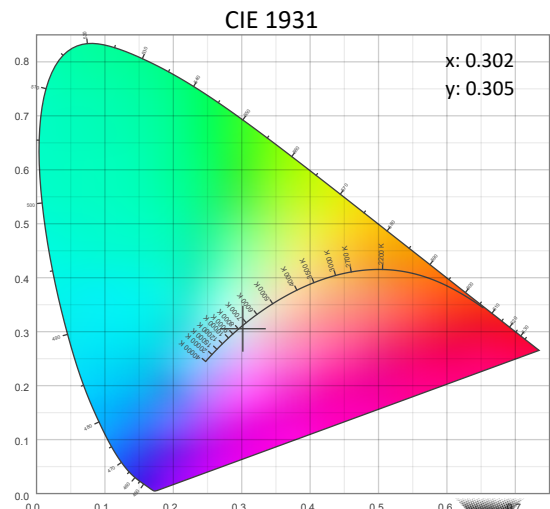
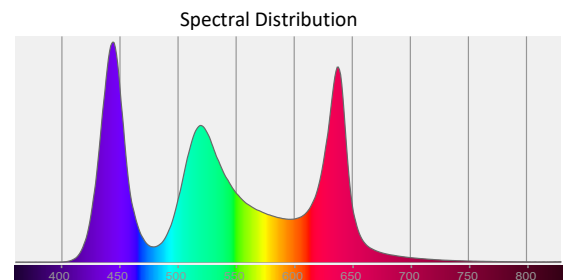
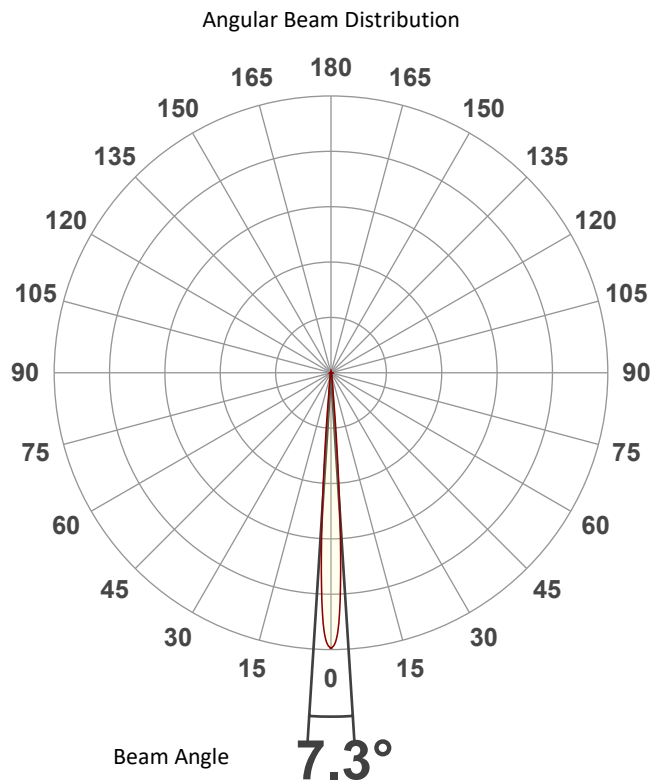


Conditions

AC Supply: 117 V, 60 Hz
Power: 232.78 W
Current: 2.00 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

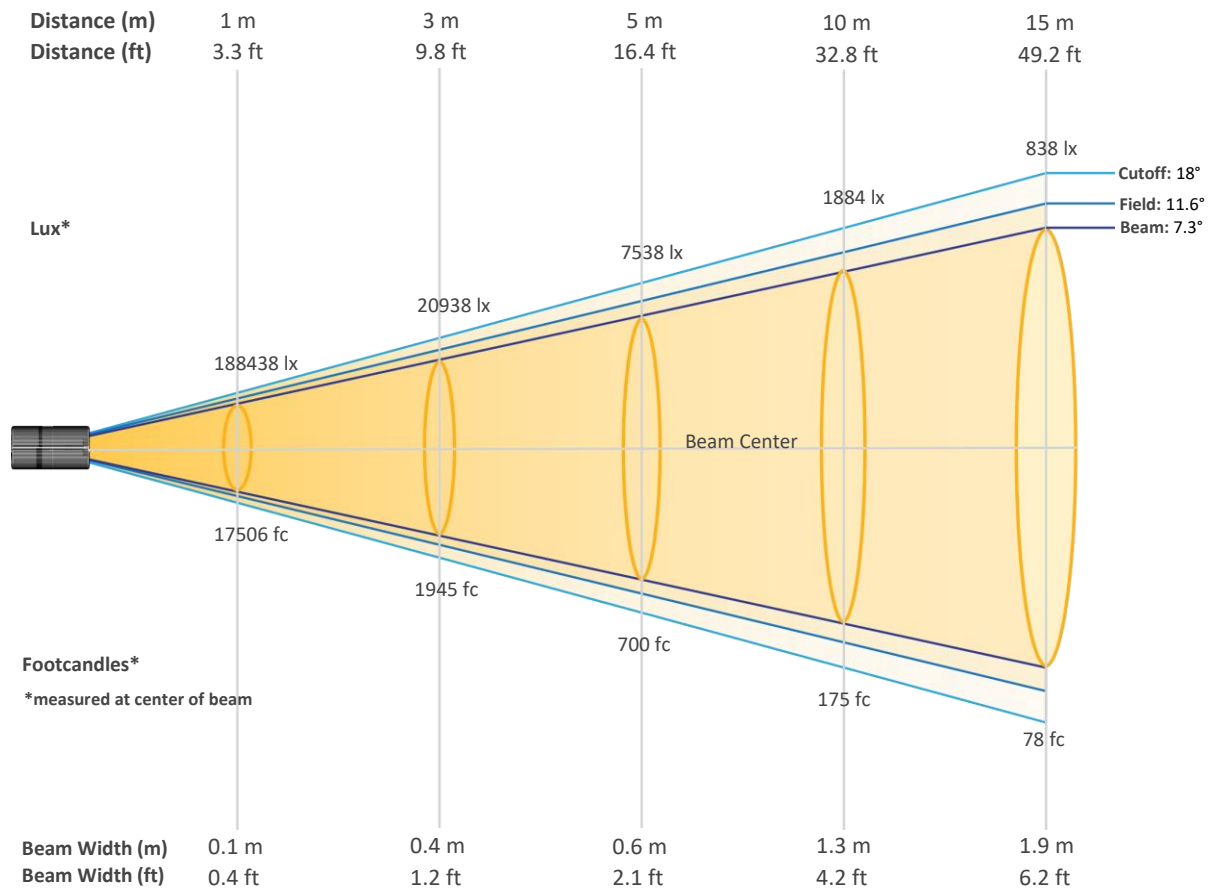
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Auto - White Mode Calibration ON

Beam Details

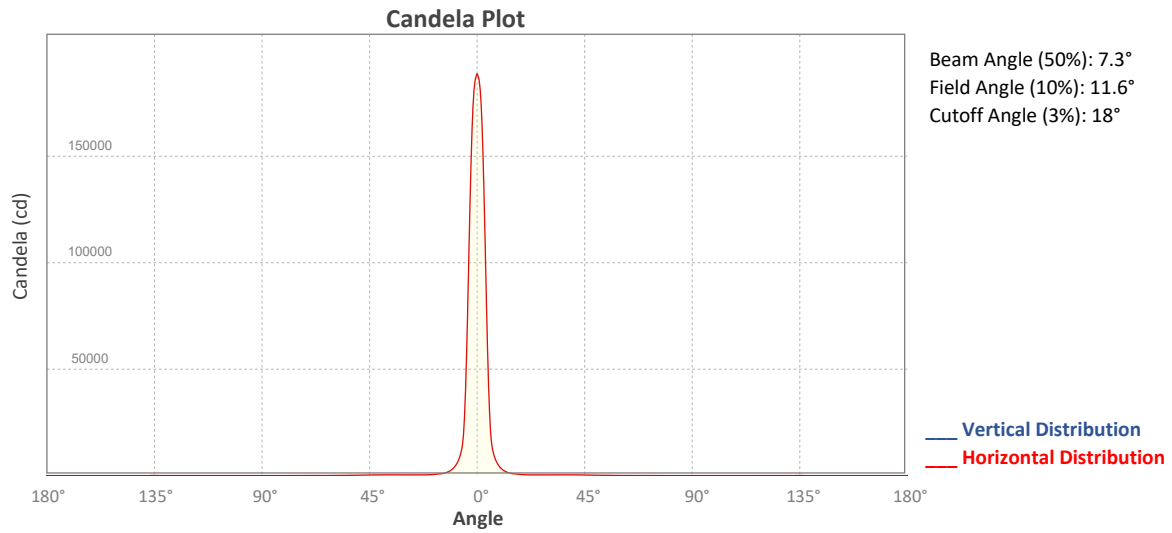


Beam Illuminances from 1-20m (3.3-65.6ft)

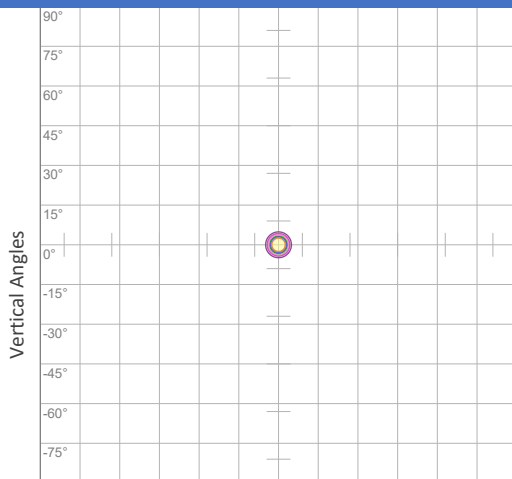
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	188438	47110	20938	11777	7538	5234	3846	2944	2326	1884
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1557	1309	1115	961	838	736	652	582	522	471
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	17506	4377	1945	1094	700	486	357	274	216	175
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	145	122	104	89	78	68	61	54	48	44

Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Auto - White Mode Calibration ON



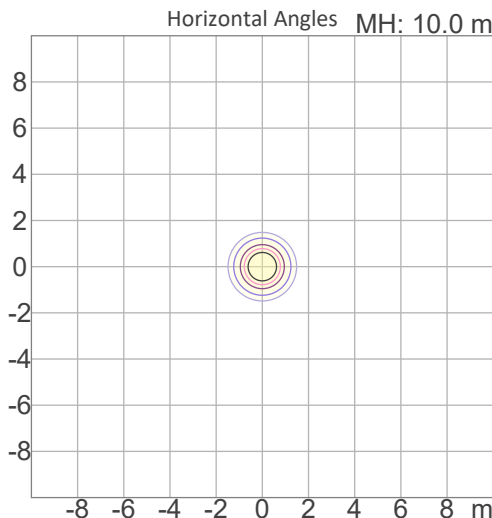
Polar Diagrams



iso-candela Diagram

10%	18844 cd
20%	37688 cd
30%	56531 cd
40%	75375 cd
50%	94219 cd
60%	113063 cd
70%	131907 cd
80%	150750 cd
90%	169594 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 188438 cd



iso-illuminance Diagram

3%	56.5 lx
5%	94.2 lx
10%	188 lx
30%	565 lx
50%	942 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 1884 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Auto - White Mode Calibration OFF

Report Summary

Output

Total Lumens: 5055 lm
Peak Intensity: 211309 cd
Illuminance @ 5m: 8452 lux
Fixture Efficacy: 17 lm/W

Optical

Horizontal Beam Angle (50%): 7.2°
Vertical Beam Angle (50%): 7.2°
Horizontal Field Angle (10%): 11.5°
Vertical Field Angle (10%): 11.5°
Horizontal Cutoff Angle (3%): 18°
Vertical Cutoff Angle (3%): 18°

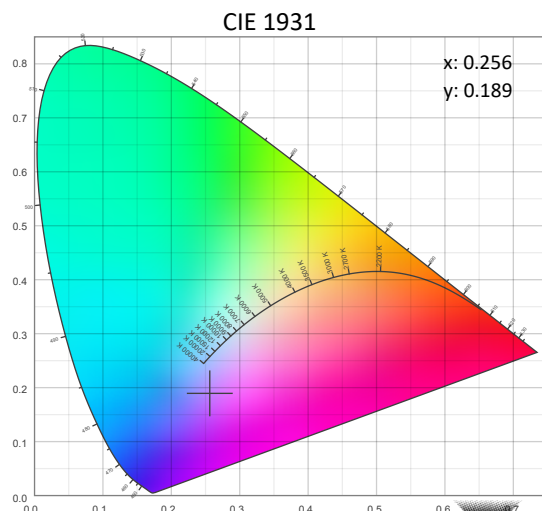
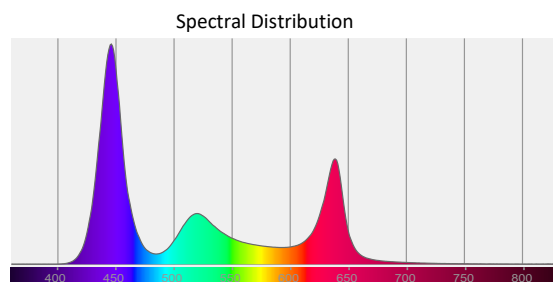
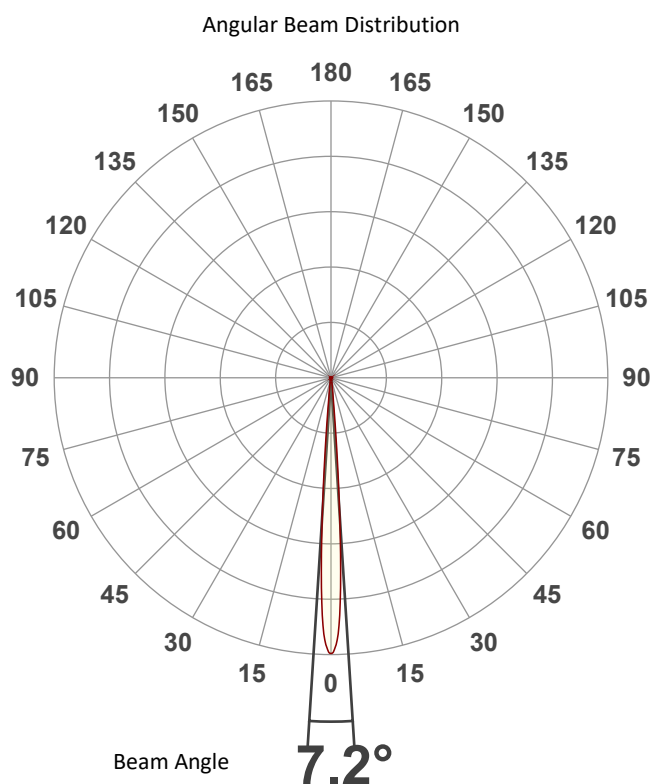


Conditions

AC Supply: 116 V, 60 Hz
Power: 308.92 W
Current: 2.66 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

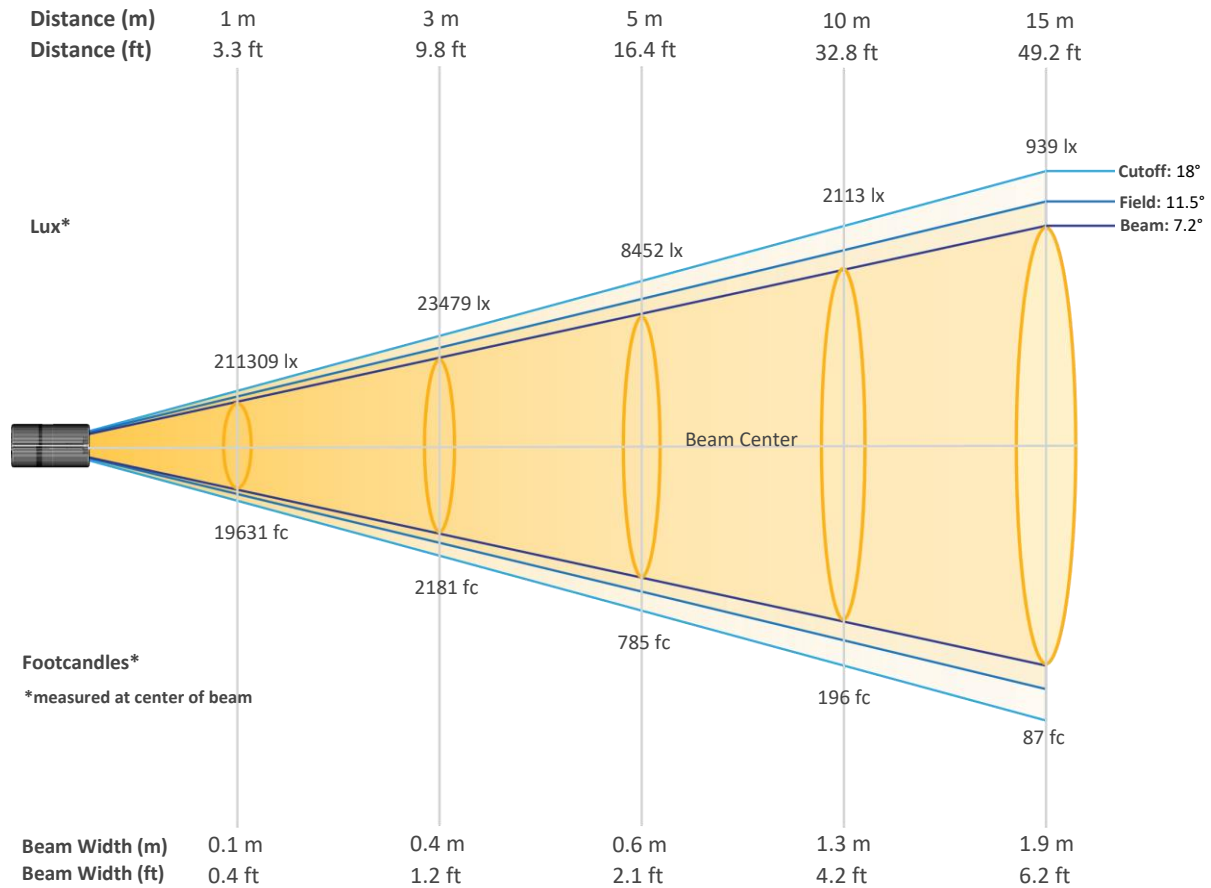
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Auto - White Mode Calibration OFF

Beam Details

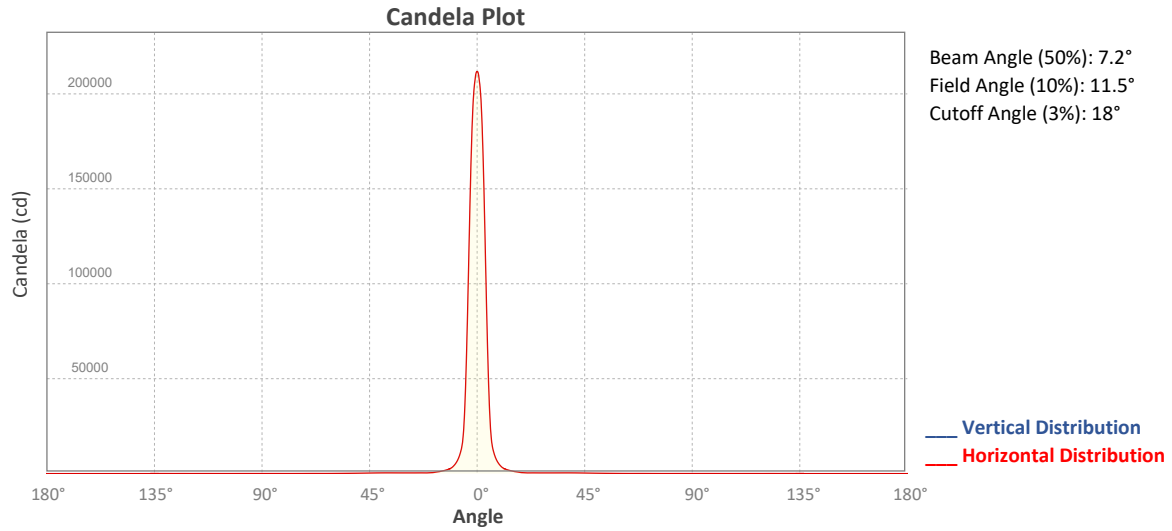


Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	211309	52827	23479	13207	8452	5870	4312	3302	2609	2113
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1746	1467	1250	1078	939	825	731	652	585	528
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	19631	4908	2181	1227	785	545	401	307	242	196
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	162	136	116	100	87	77	68	61	54	49

Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to Auto - White Mode Calibration OFF



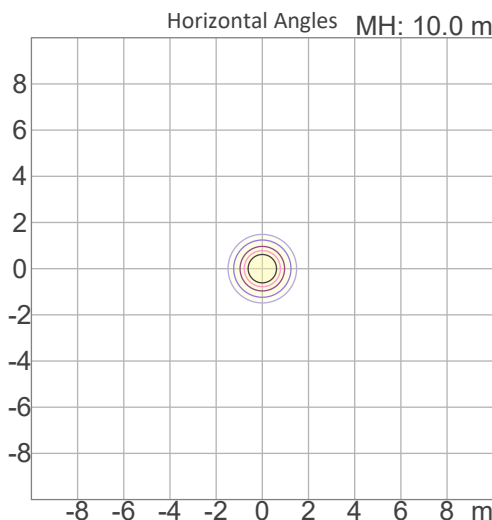
Polar Diagrams



iso-candela Diagram

10%	21131 cd
20%	42262 cd
30%	63393 cd
40%	84524 cd
50%	105655 cd
60%	126786 cd
70%	147916 cd
80%	169047 cd
90%	190178 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 211309 cd



iso-illuminance Diagram

3%	63.4 lx
5%	106 lx
10%	211 lx
30%	634 lx
50%	1057 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 2113 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to ECO - White Mode Calibration ON

Report Summary

Output

Total Lumens: 4366 lm

Peak Intensity: 187363 cd

Illuminance @ 5m: 7495 lux

Fixture Efficacy: 19 lm/W

Optical

Horizontal Beam Angle (50%): 7.3°

Vertical Beam Angle (50%): 7.3°

Horizontal Field Angle (10%): 11.6°

Vertical Field Angle (10%): 11.6°

Horizontal Cutoff Angle (3%): 18.1°

Vertical Cutoff Angle (3%): 18.1°



Conditions

AC Supply: 116 V, 60 Hz

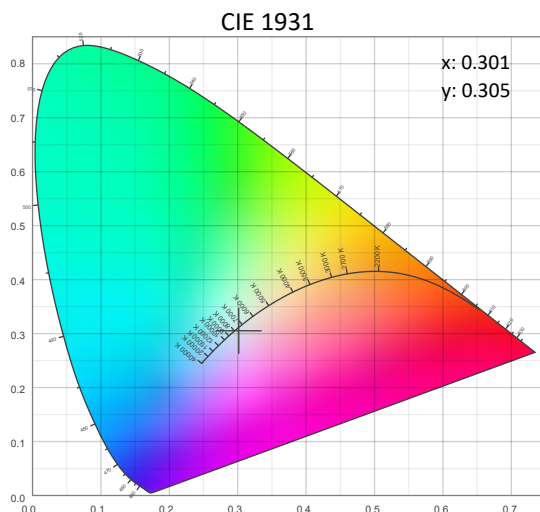
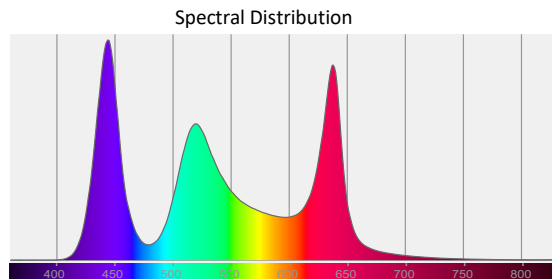
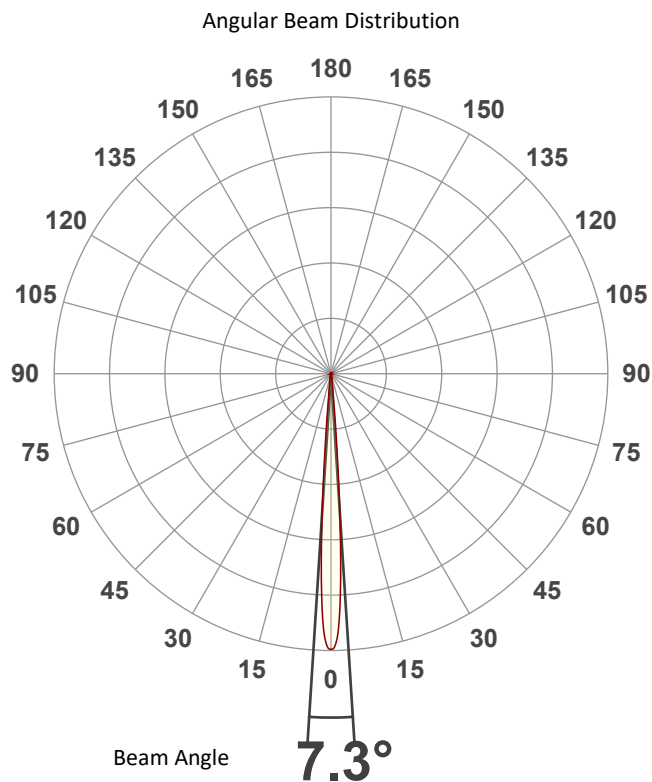
Power: 232.38 W

Current: 2.00 A

Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

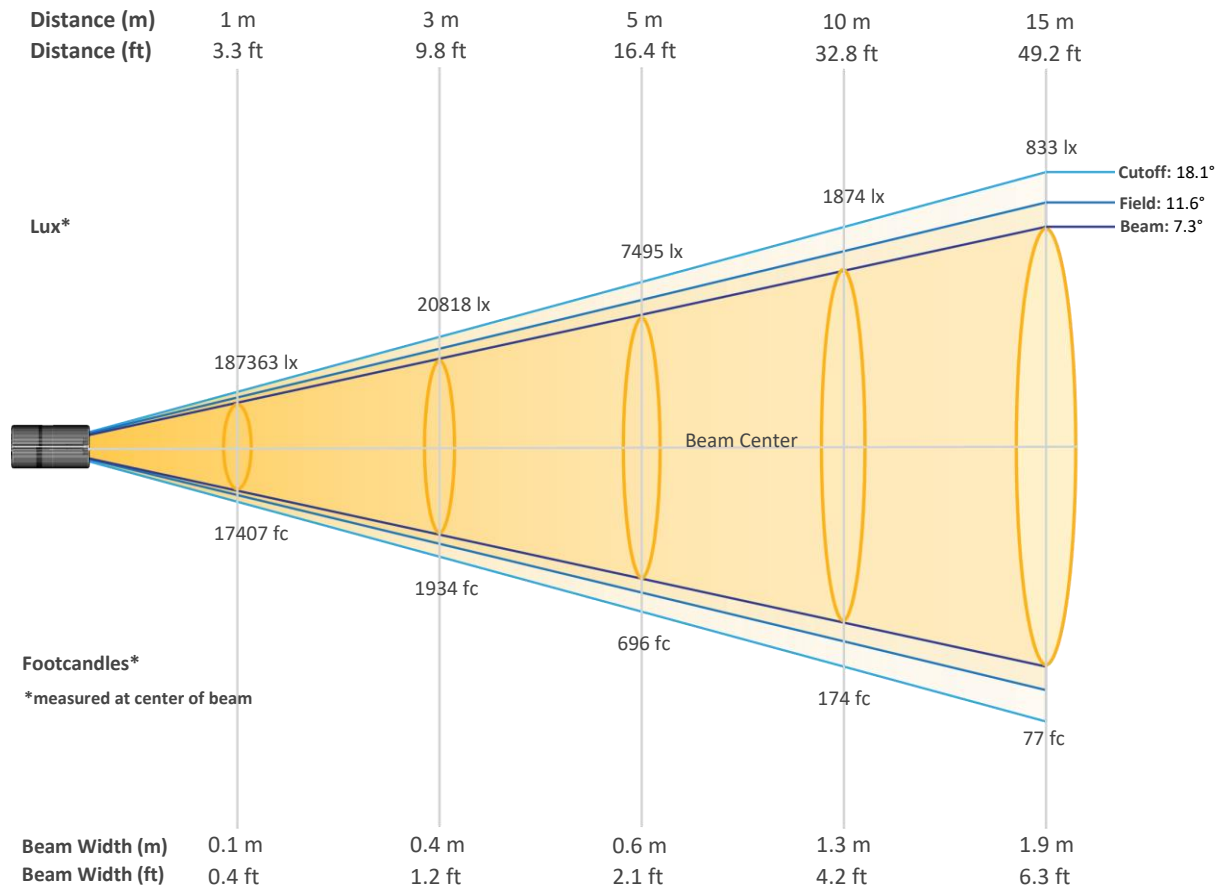
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to ECO - White Mode Calibration ON

Beam Details

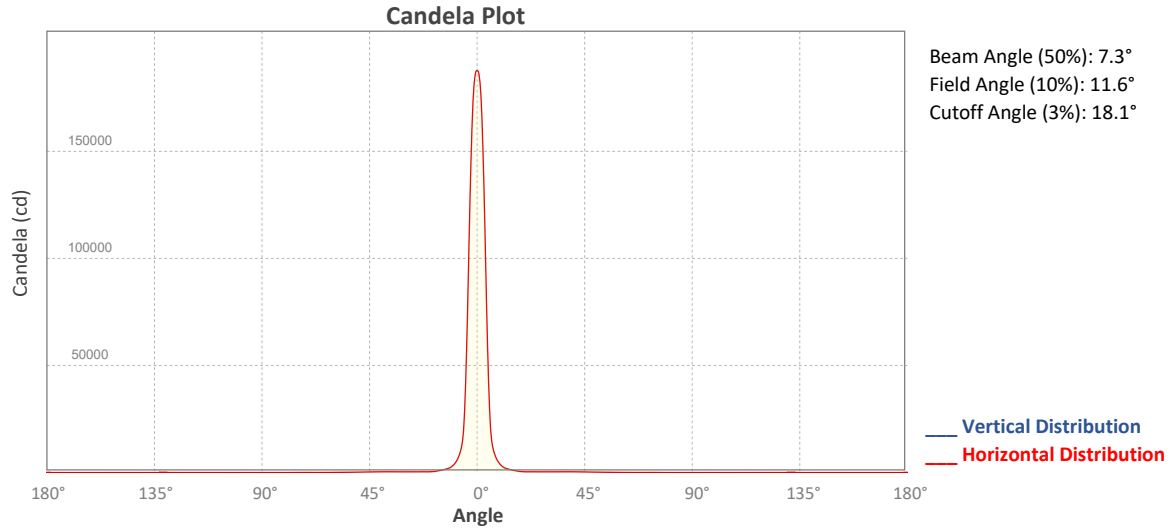


Beam Illuminances from 1-20m (3.3-65.6ft)

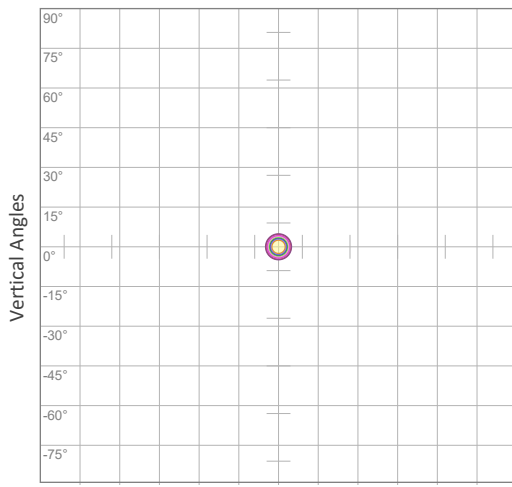
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	187363	46841	20818	11710	7495	5205	3824	2928	2313	1874
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1548	1301	1109	956	833	732	648	578	519	468
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	17407	4352	1934	1088	696	484	355	272	215	174
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	144	121	103	89	77	68	60	54	48	44

Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to ECO - White Mode Calibration ON



Polar Diagrams

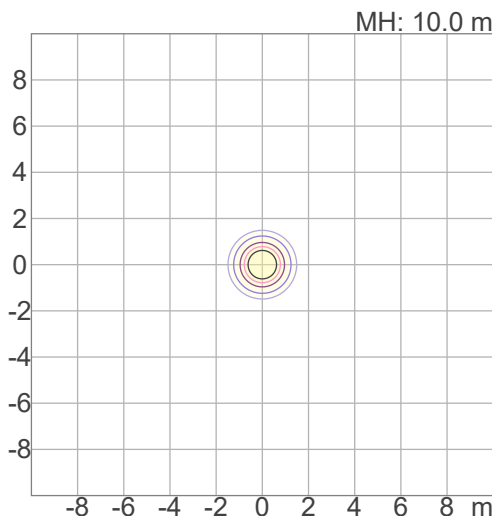


iso-candela Diagram

10%	18736 cd
20%	37473 cd
30%	56209 cd
40%	74945 cd
50%	93681 cd
60%	112418 cd
70%	131154 cd
80%	149890 cd
90%	168626 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 187363 cd

Horizontal Angles



iso-illuminance Diagram

3%	56.2 lx
5%	93.7 lx
10%	187 lx
30%	562 lx
50%	937 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 1874 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power- Steady - Fan set to ECO - White Mode
Calibration ON

Report Summary

Output

Total Lumens: 4580 lm
Peak Intensity: 195749 cd
Illuminance @ 5m: 7830 lux
Fixture Efficacy: 20 lm/W

Optical

Horizontal Beam Angle (50%): 7.7°
Vertical Beam Angle (50%): 7.7°
Horizontal Field Angle (10%): 11.6°
Vertical Field Angle (10%): 11.6°
Horizontal Cutoff Angle (3%): 17.9°
Vertical Cutoff Angle (3%): 17.9°

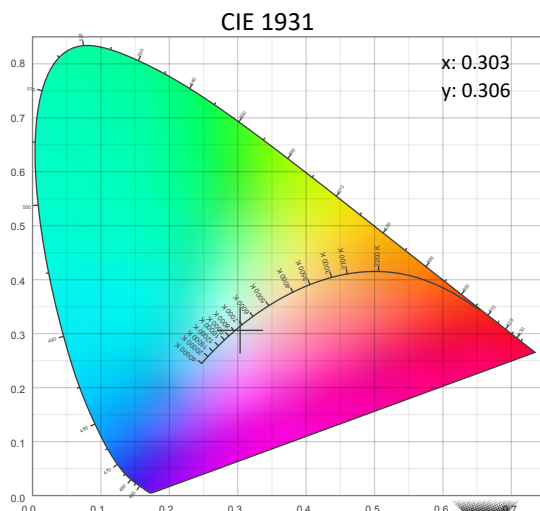
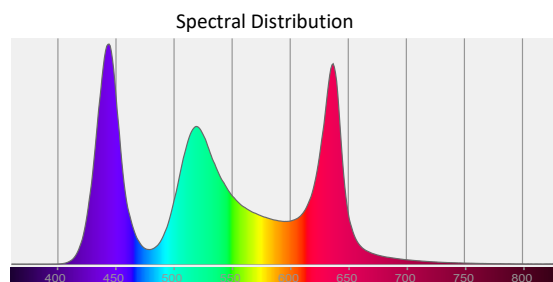
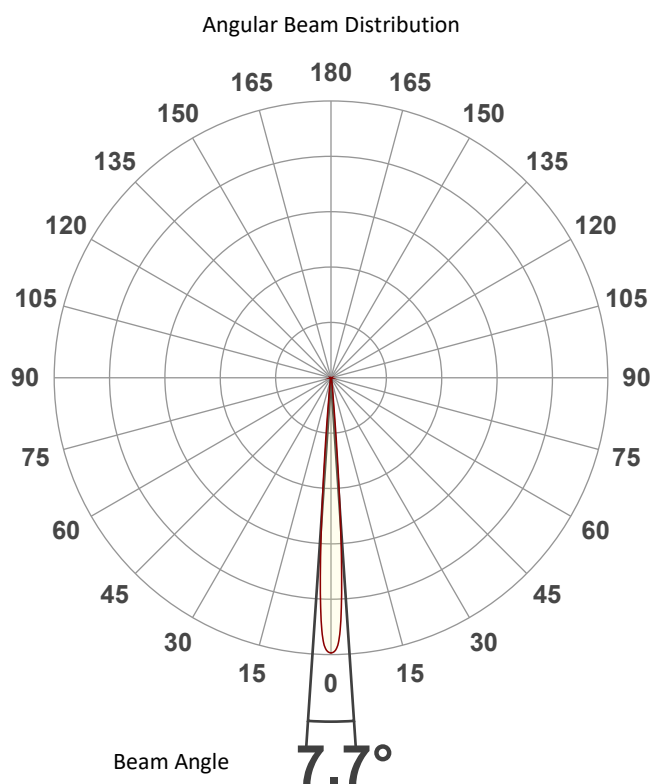


Conditions

AC Supply: 118 V, 60 Hz
Power: 231.95 W
Current: 1.97 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/3/2022 to LM-63-2002 Standards.

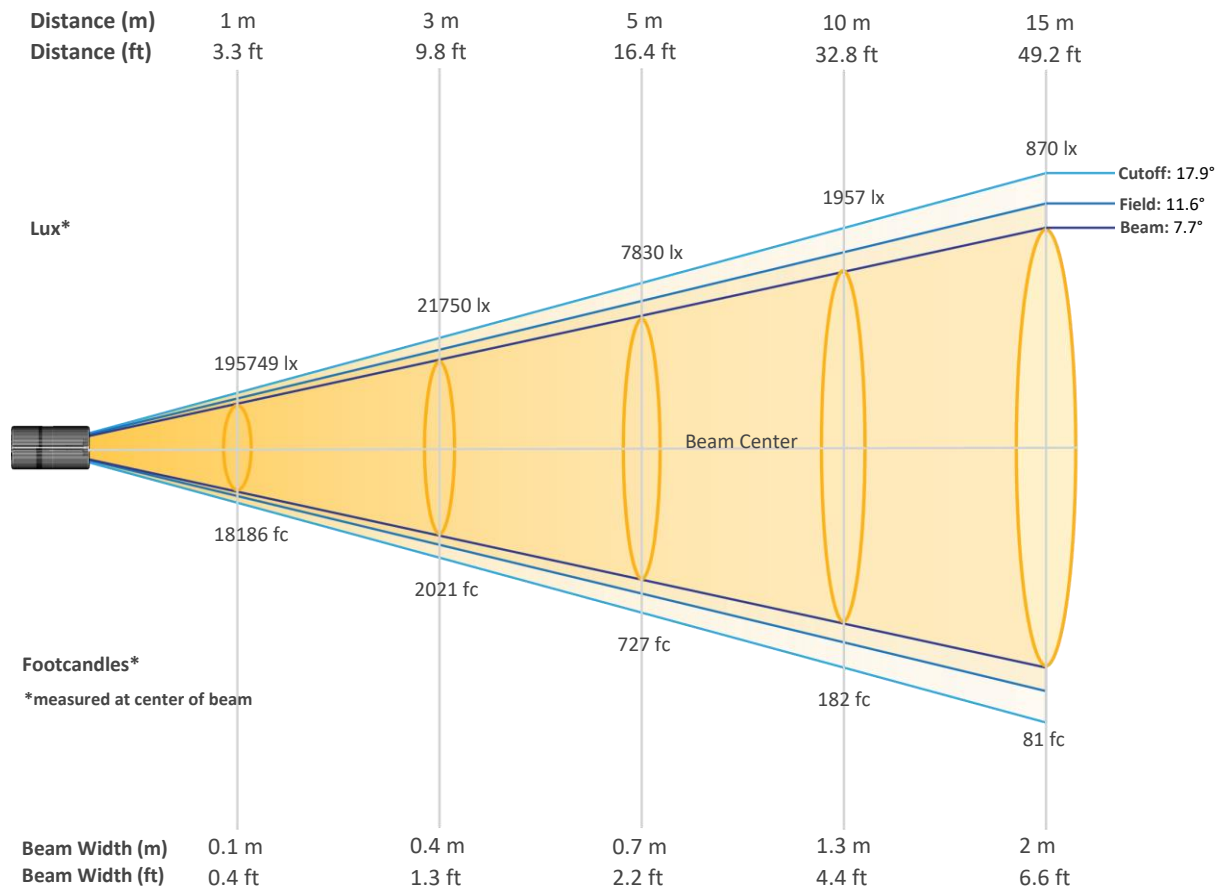
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power- Steady - Fan set to ECO - White Mode
Calibration ON

Beam Details

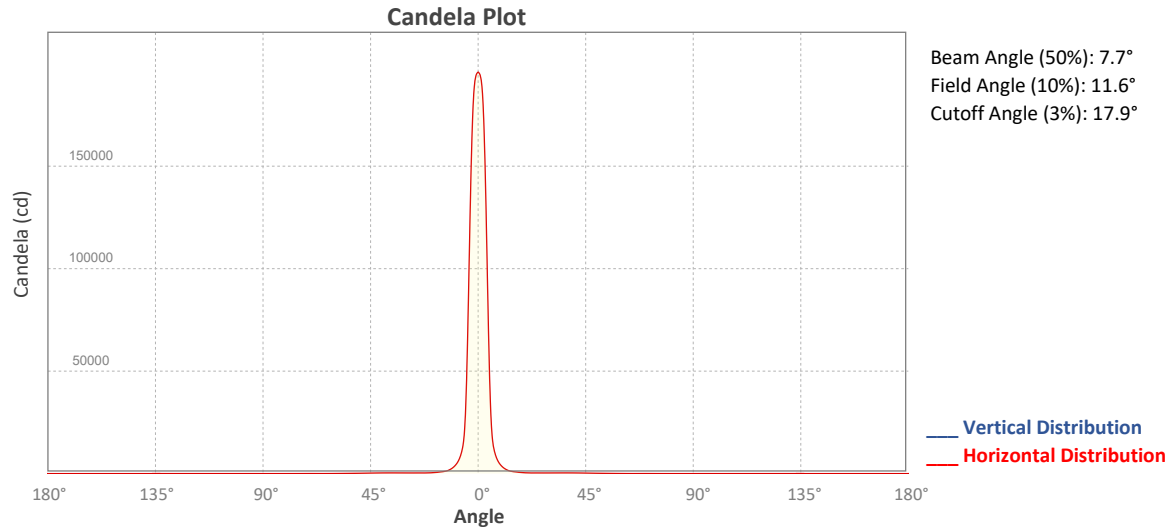


Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	195749	48937	21750	12234	7830	5437	3995	3059	2417	1957
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1618	1359	1158	999	870	765	677	604	542	489
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	18186	4546	2021	1137	727	505	371	284	225	182
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	150	126	108	93	81	71	63	56	50	45

Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power- Steady - Fan set to ECO - White Mode
Calibration ON



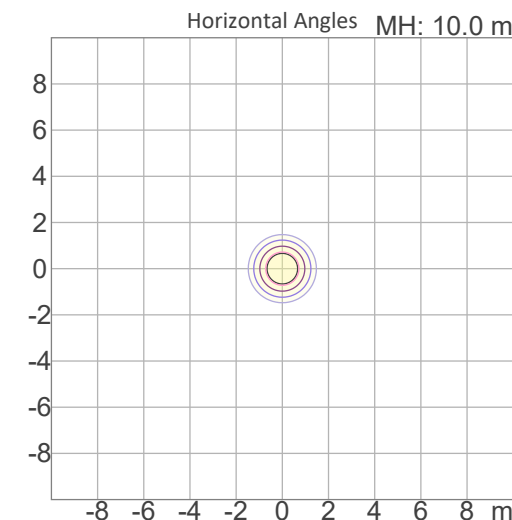
Polar Diagrams



iso-candela Diagram

10%	19575 cd
20%	39150 cd
30%	58725 cd
40%	78300 cd
50%	97874 cd
60%	117449 cd
70%	137024 cd
80%	156599 cd
90%	176174 cd

Conditions:
Number of c-planes: 2
Candela at center: 195749 cd



iso-illuminance Diagram

3%	58.7 lx
5%	97.9 lx
10%	196 lx
30%	587 lx
50%	979 lx

Conditions:
Number of c-planes: 2
Lux at center: 1957 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to ECO - White Mode Calibration OFF

Report Summary

Output

Total Lumens: 5013 lm
Peak Intensity: 211894 cd
Illuminance @ 5m: 8476 lux
Fixture Efficacy: 16 lm/W

Optical

Horizontal Beam Angle (50%): 7.2°
Vertical Beam Angle (50%): 7.2°
Horizontal Field Angle (10%): 11.4°
Vertical Field Angle (10%): 11.4°
Horizontal Cutoff Angle (3%): 18°
Vertical Cutoff Angle (3%): 18°

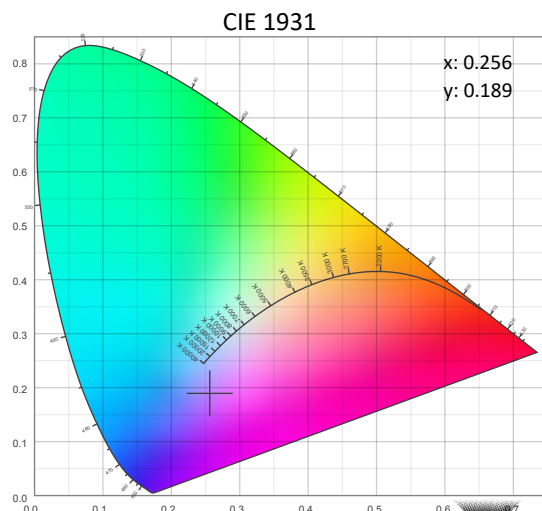
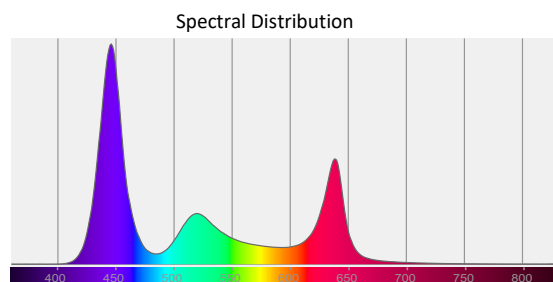
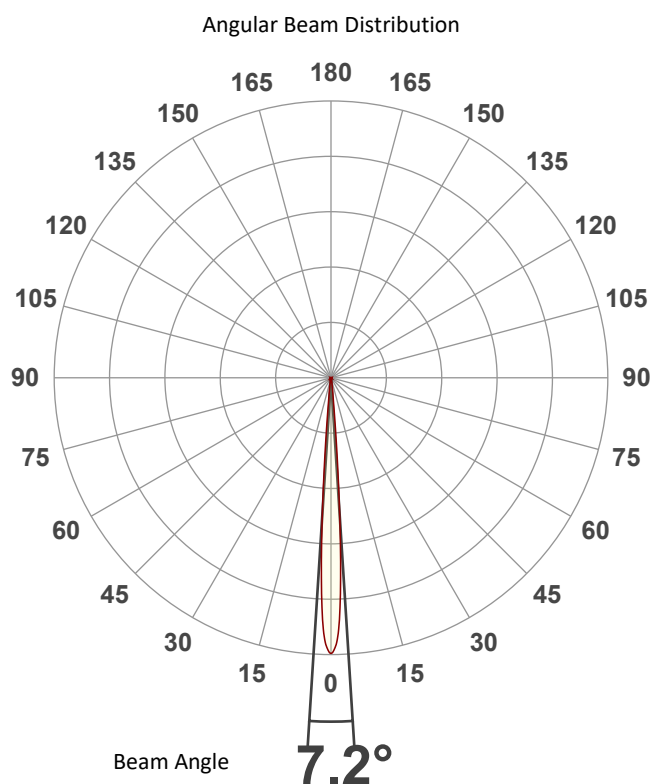


Conditions

AC Supply: 116 V, 60 Hz
Power: 310.1 W
Current: 2.67 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

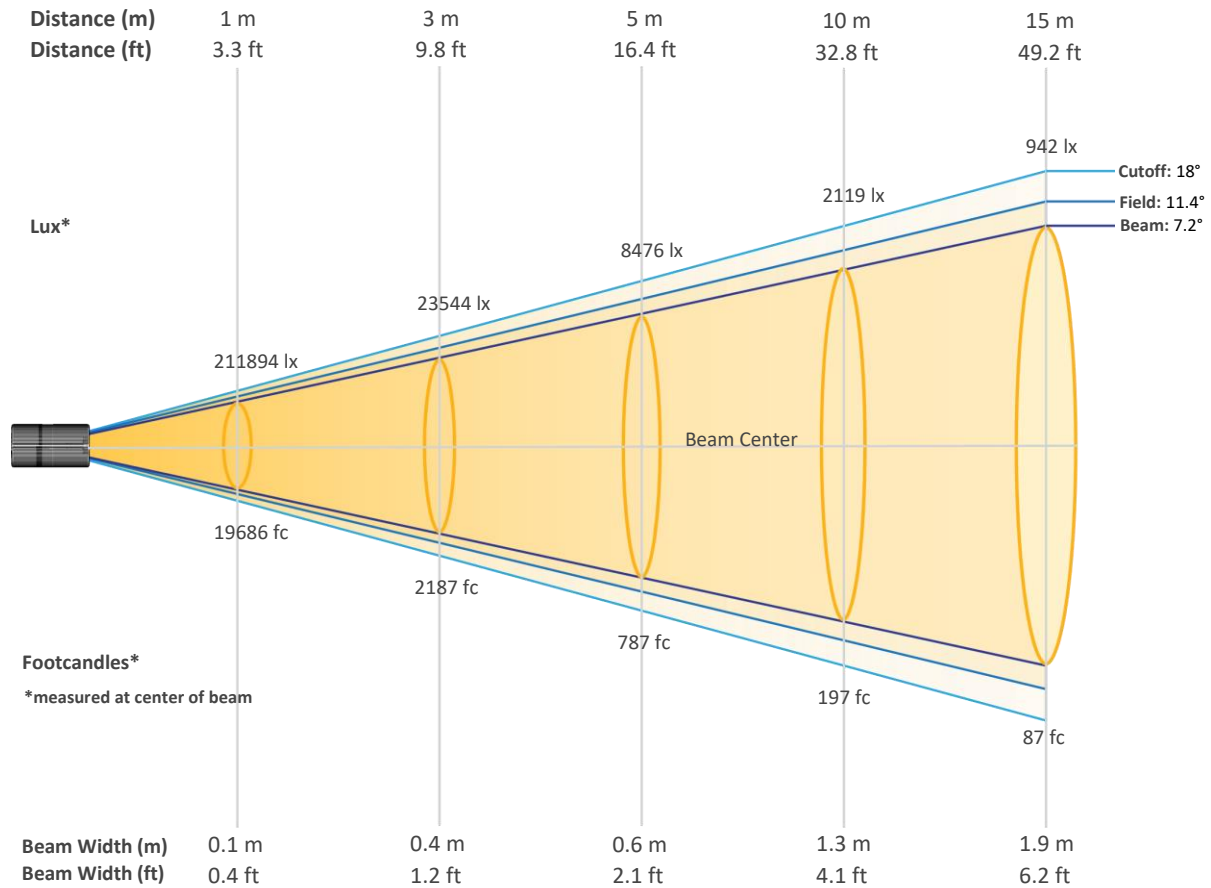
Overall Measurement



Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to ECO - White Mode Calibration OFF

Beam Details

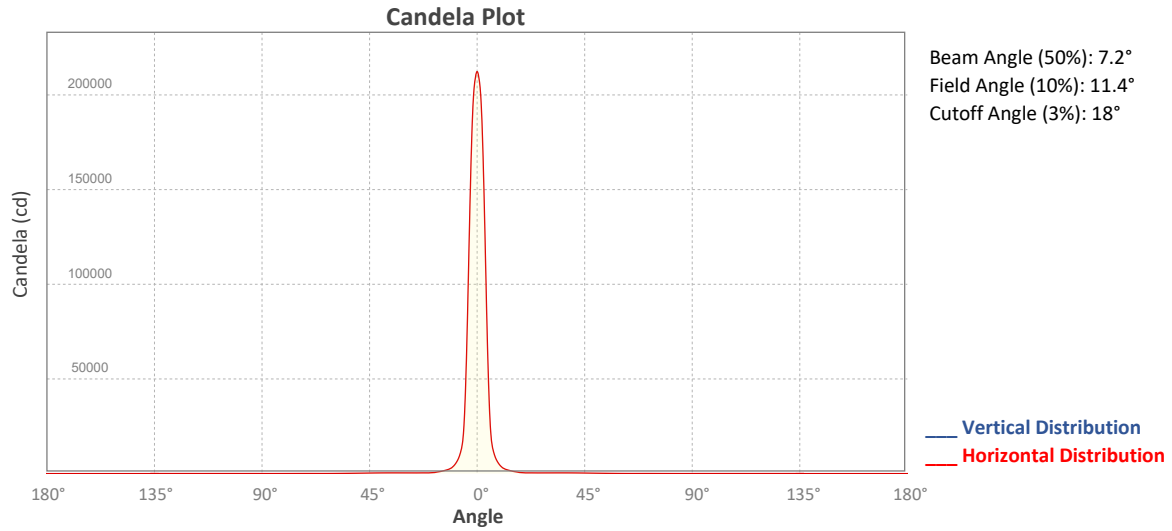


Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	211894	52973	23544	13243	8476	5886	4324	3311	2616	2119
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1751	1471	1254	1081	942	828	733	654	587	530
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	19686	4921	2187	1230	787	547	402	308	243	197
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	163	137	116	100	87	77	68	61	55	49

Photometric Report

Rogue Outcast 2X Wash: Full Narrow - Full Power - Fan set to ECO - White Mode Calibration OFF



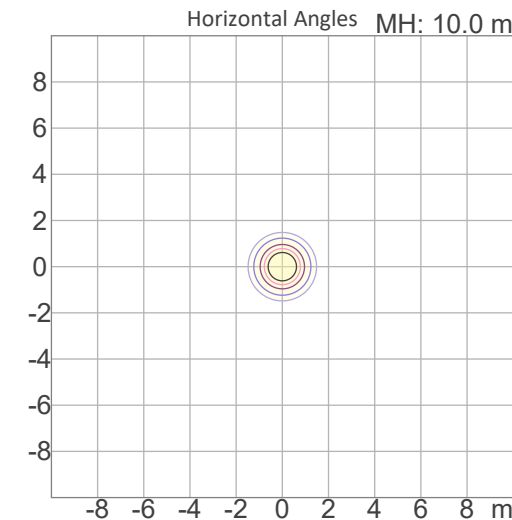
Polar Diagrams



iso-candela Diagram

10%	21189 cd
20%	42379 cd
30%	63568 cd
40%	84758 cd
50%	105947 cd
60%	127136 cd
70%	148326 cd
80%	169515 cd
90%	190704 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 211894 cd



iso-illuminance Diagram

3%	63.6 lx
5%	106 lx
10%	212 lx
30%	636 lx
50%	1059 lx

Conditions:
 Number of c-planes: 2
 Lux at center: 2119 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration ON

Report Summary

Measurements

Fixture Output: 5526 lm
Fixture Peak: 54658 cd
Fixture Efficacy: 24 lm/W
Intensity @ 5m: 2174 lux
Color Temperature: 7534 K
CRI: 69.0 CRI R9 Value: -42.9
CQS: 83.3
TLCI: 55
TM-30 Rf: 75.8
TM-30 Rg: 119.9
Beam Angle (50%): 18.9°
Field Angle (10%): 26.6°
Cutoff Angle (3%): 30°

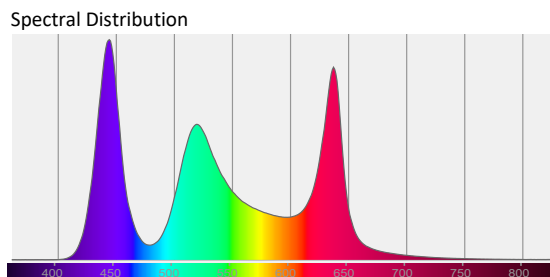
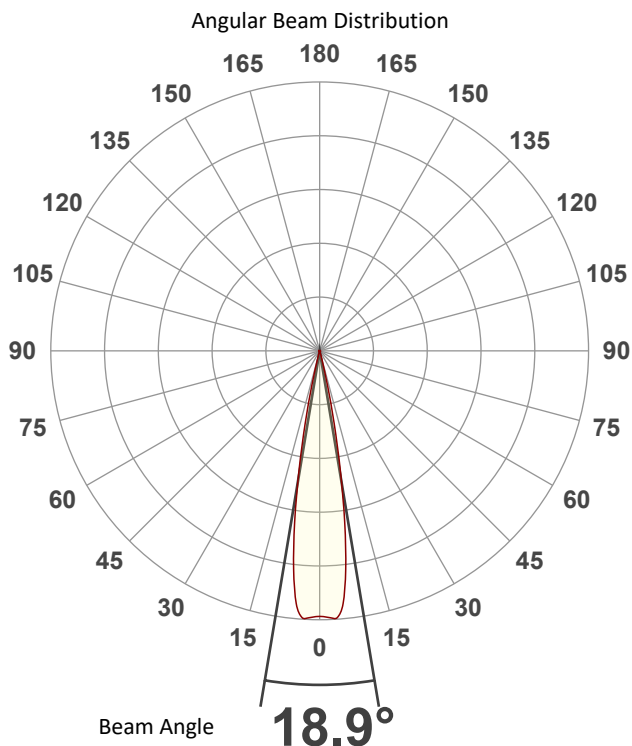


Conditions

AC Supply: 117 V, 60 Hz
Power: 230.97 W
Current: 1.98 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

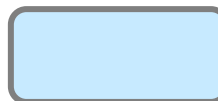
Overall Measurement



Tested Color (CIE 1931):

X: 0.301

Y: 0.305



Light Quality

CRI: 69.0

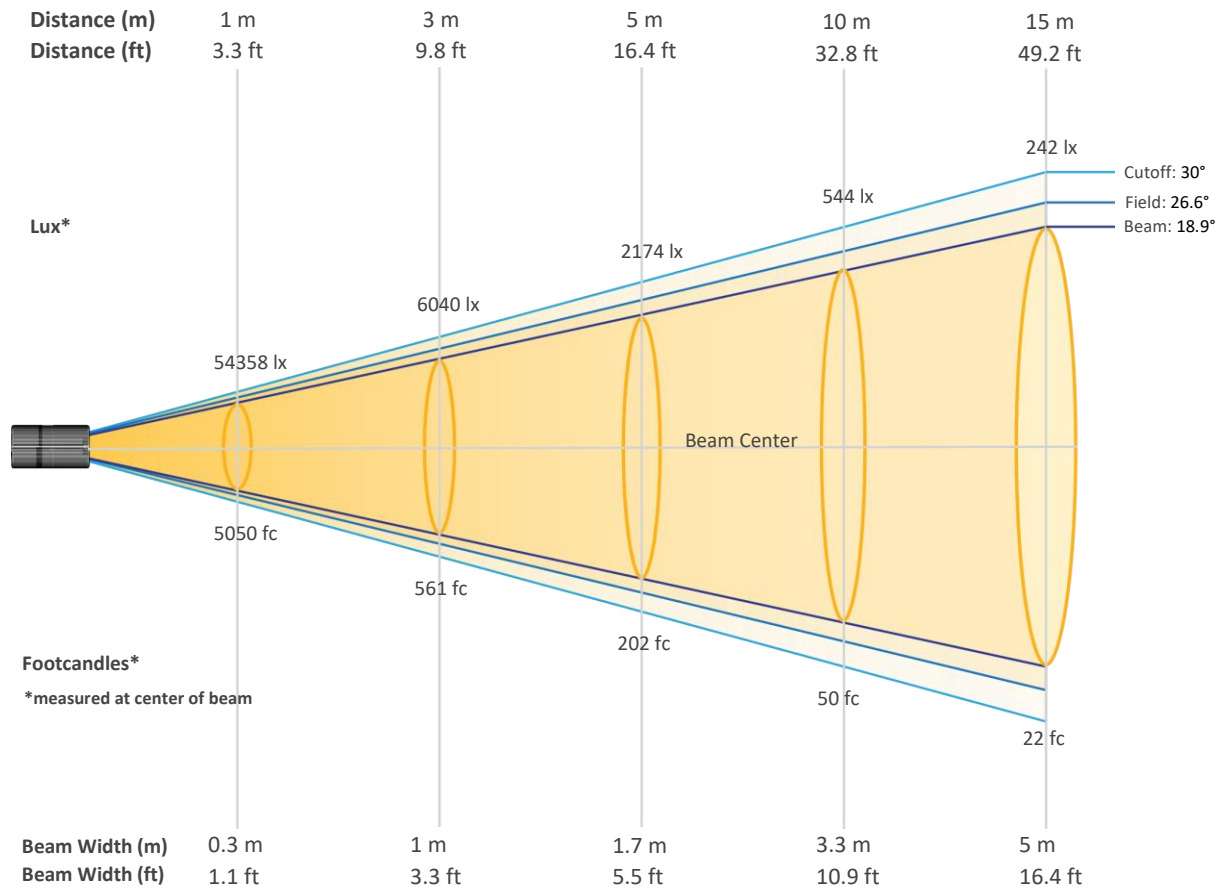
Color Temperature

7534 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration ON

Beam Details

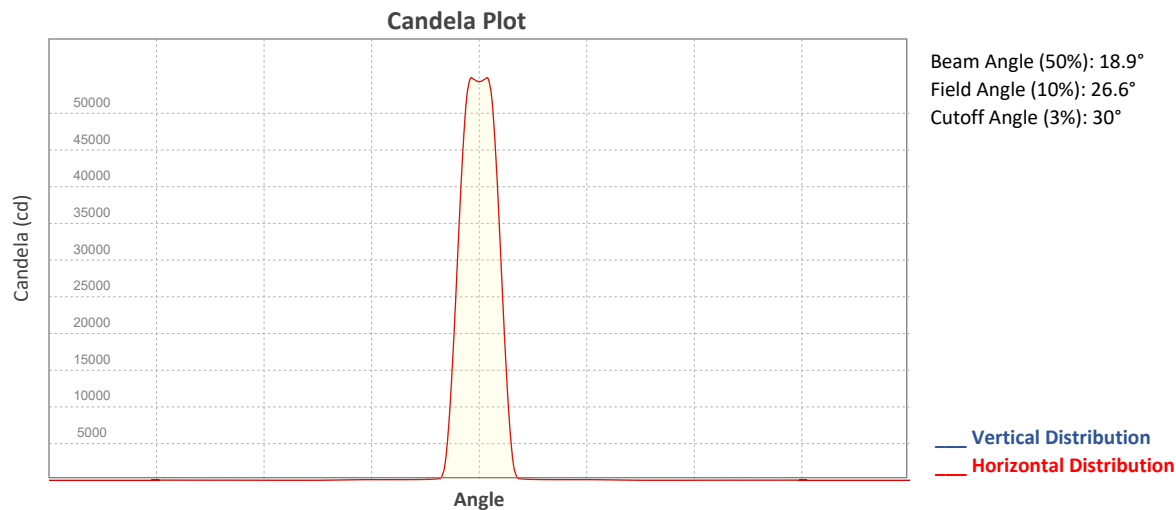


Beam Intensities from 1-20m (3.3-65.6ft)

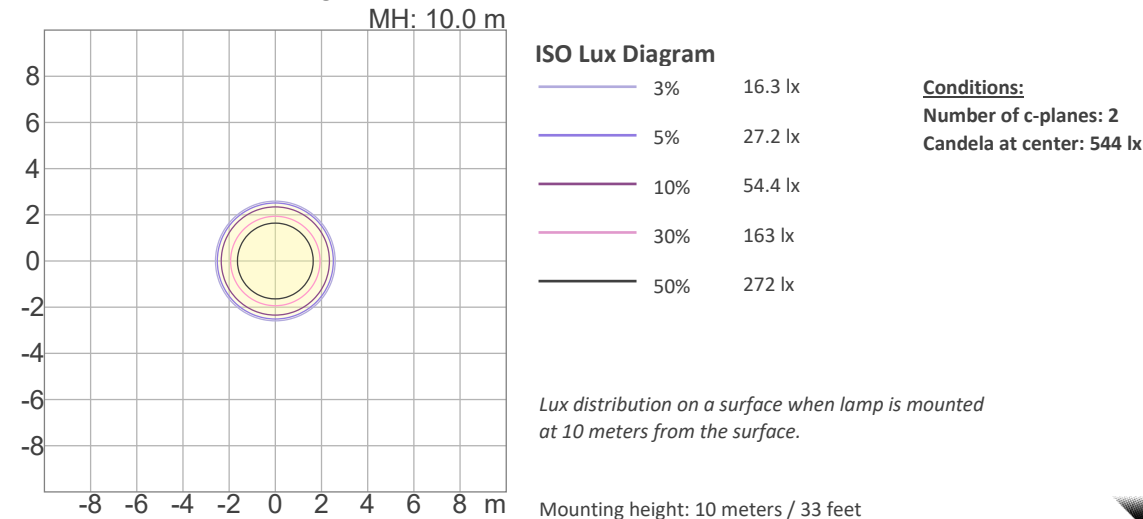
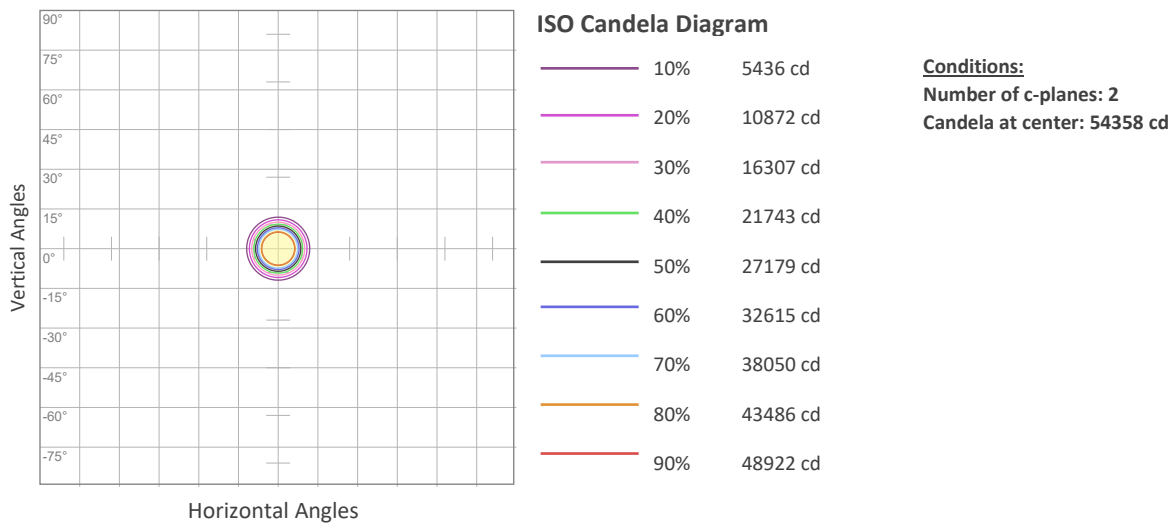
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	54358	13589	6040	3397	2174	1510	1109	849	671	544
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	449	377	322	277	242	212	188	168	151	136
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5050	1262	561	316	202	140	103	79	62	50
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	42	35	30	26	22	20	17	16	14	13

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration ON



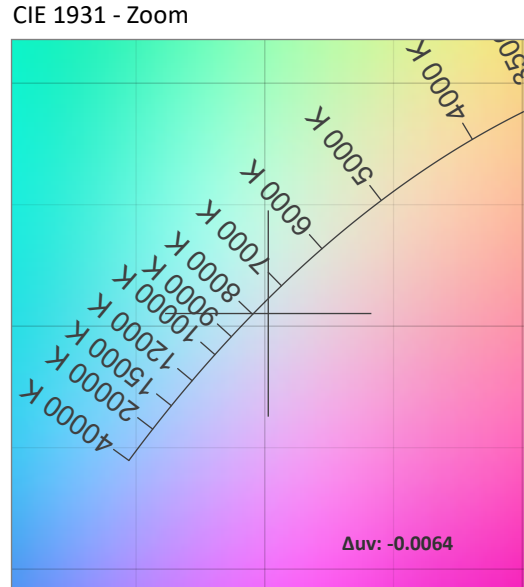
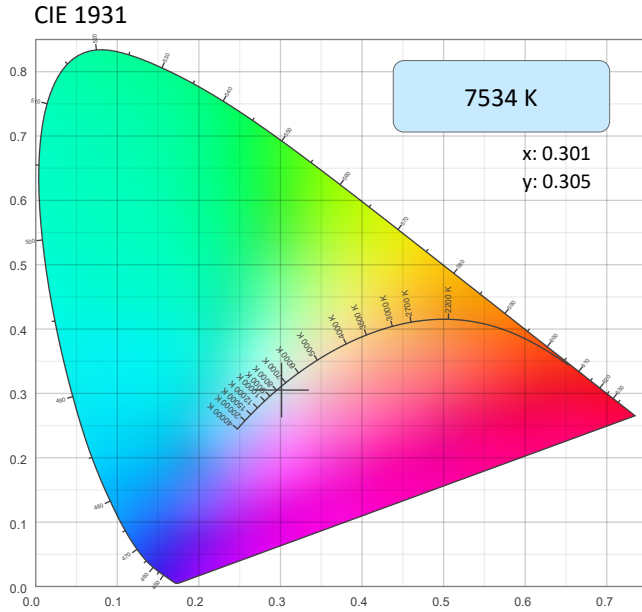
ISO Diagrams



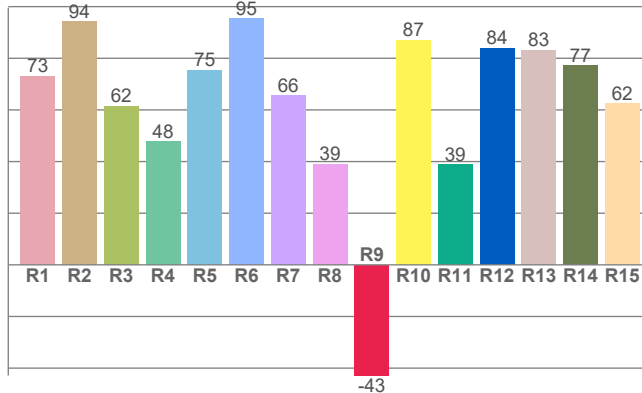
Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration ON

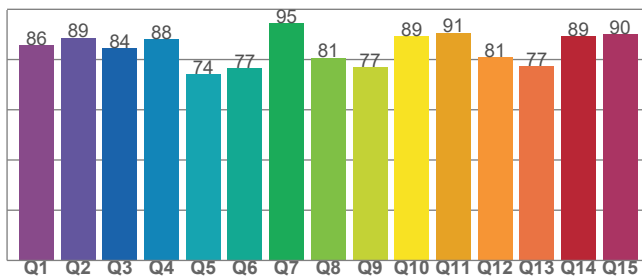
Chromaticity



CRI: 69.0 (R1-R8)



CQS: 83.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7534 K	0.301	0.305

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0064	0.305	0.199

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.0	-42.9	83.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
55	75.8	119.9

Photometric & Chromaticity Report

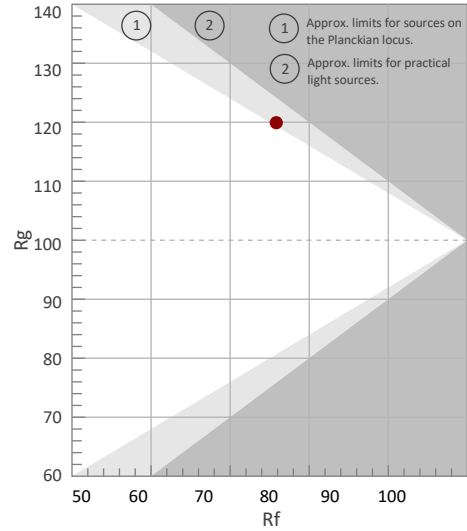
Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration ON

TM-30 Details

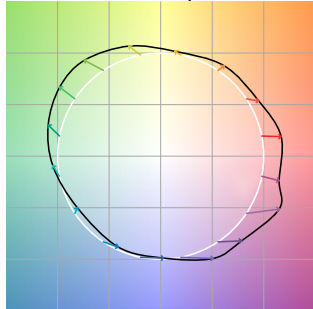
Rf 75.8
Fidelity Index (Rg)

Rg 119.9
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	18%	-4%
2	77	9%	-8%
3	86	7%	-2%
4	88	2%	6%
5	77	11%	9%
6	70	18%	10%
7	72	19%	-1%
8	74	13%	-8%
9	85	4%	-11%
10	89	-5%	-3%
11	70	-4%	15%
12	71	-4%	22%
13	69	7%	31%
14	65	12%	20%
15	63	24%	21%
16	68	17%	-1%



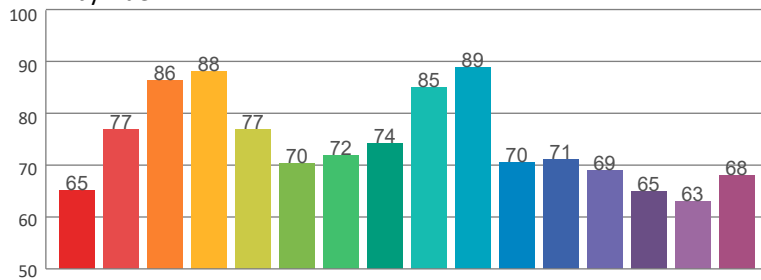
Color Vector Graphic



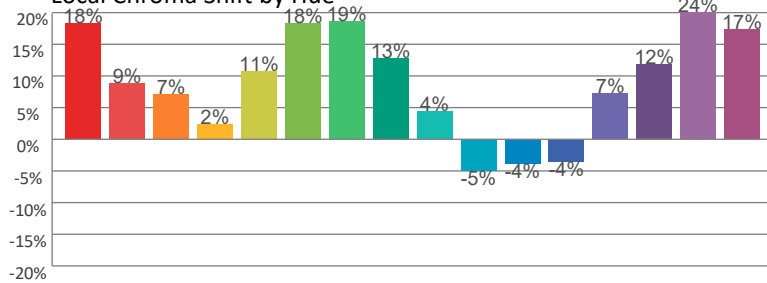
Color Distortion Graphic



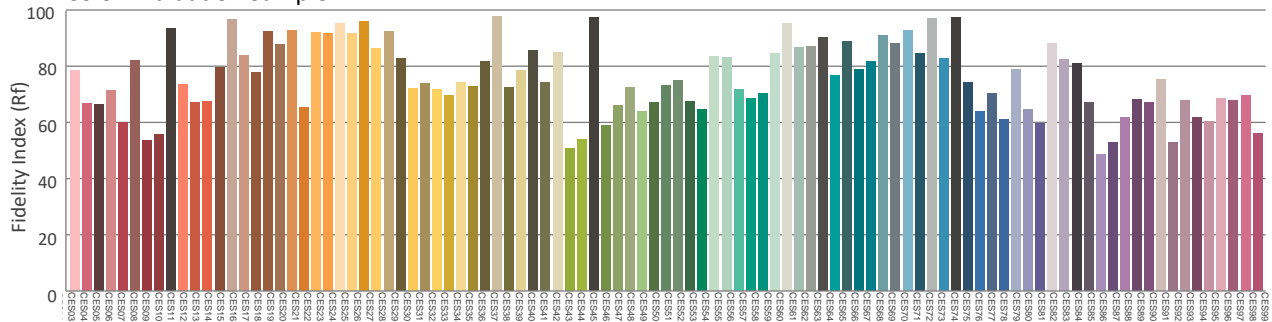
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 6152 lm

Fixture Peak: 60817 cd

Fixture Efficacy: 20 lm/W

Intensity @ 5m: 2413 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 18.9°

Field Angle (10%): 26.7°

Cutoff Angle (3%): 30°

Conditions

AC Supply: 116 V, 60 Hz

Power: 306.85 W

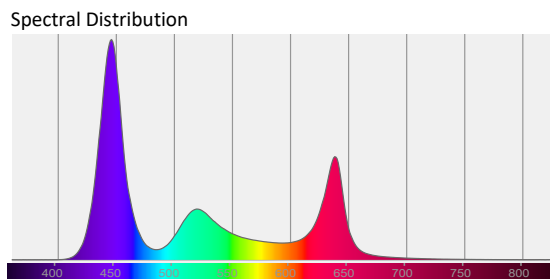
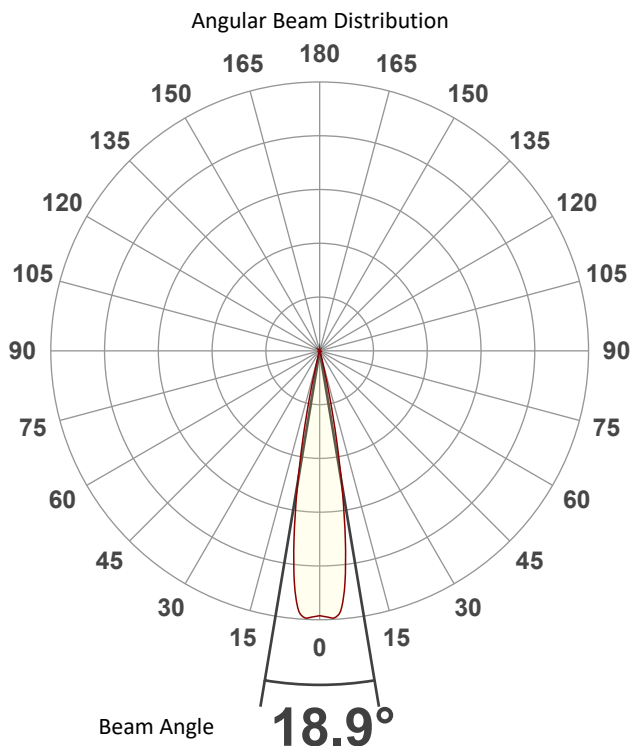
Current: 2.63 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.255

Y: 0.189



Light Quality

CRI: 0.0

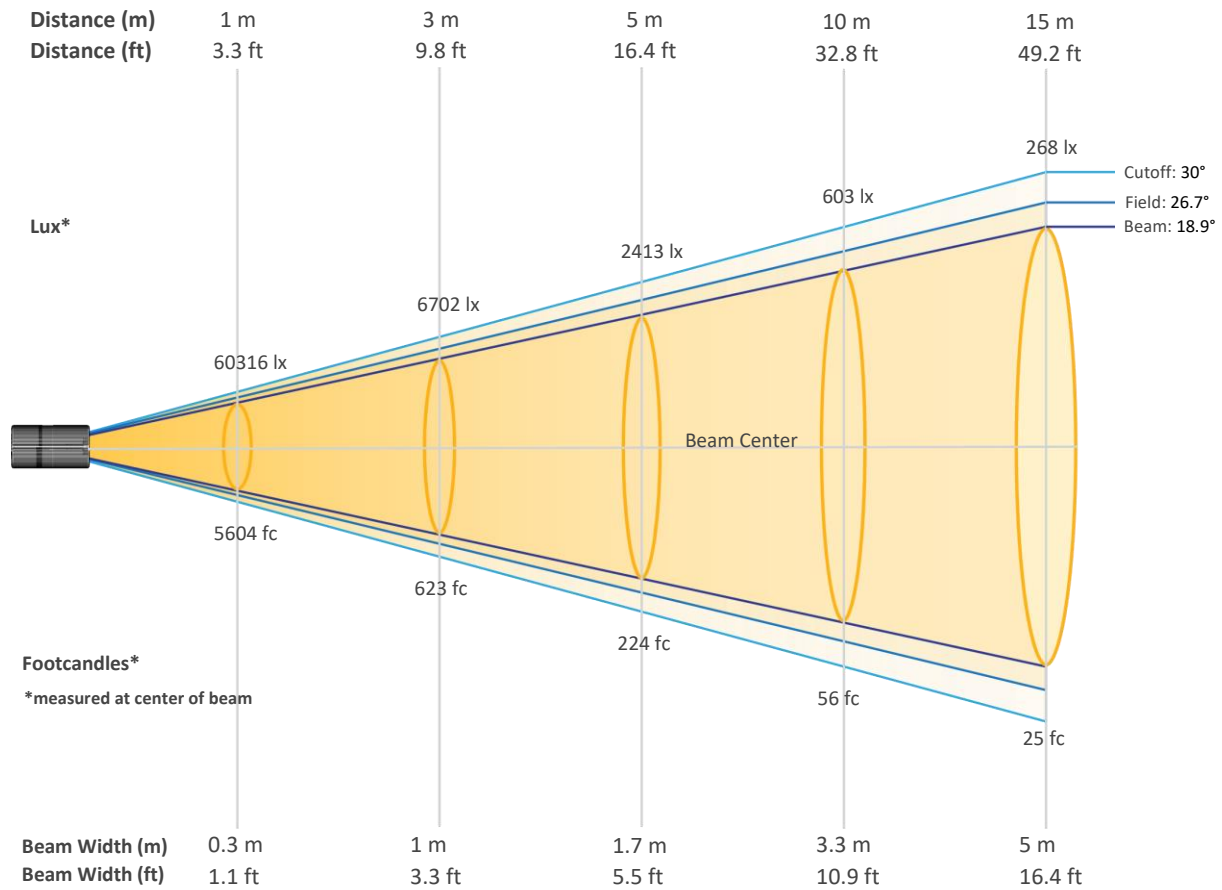
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration OFF

Beam Details

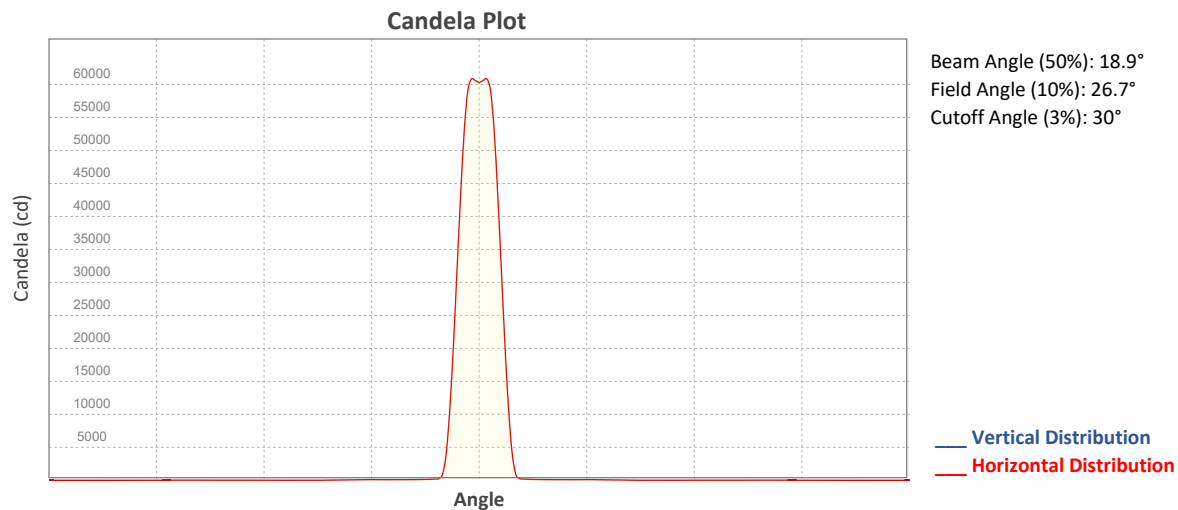


Beam Intensities from 1-20m (3.3-65.6ft)

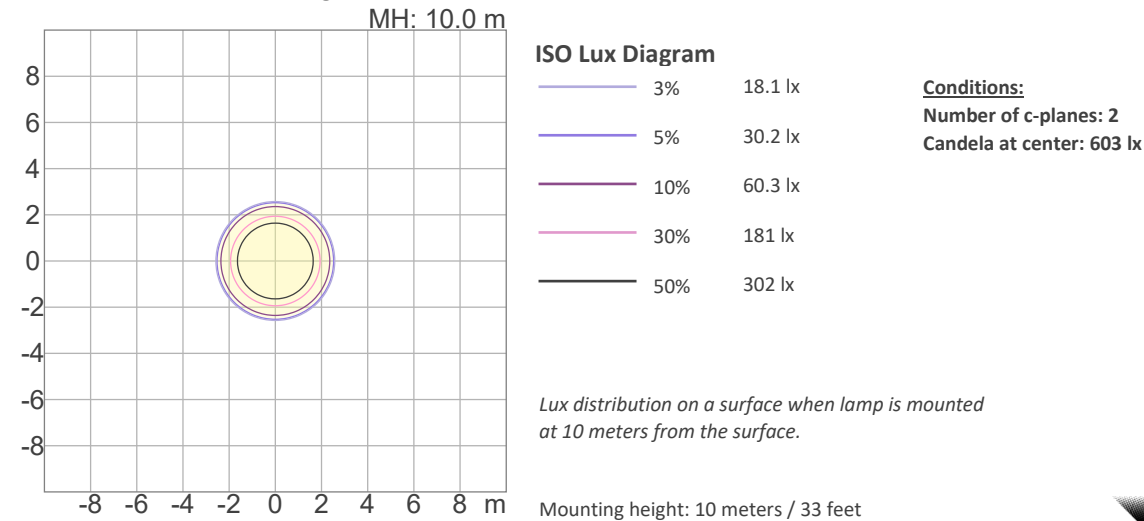
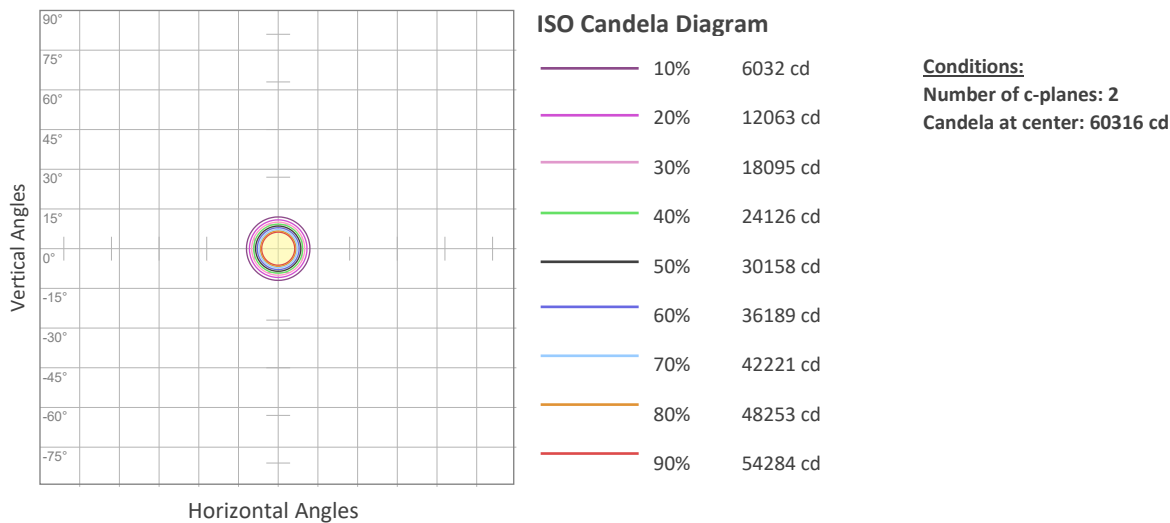
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	60316	15079	6702	3770	2413	1675	1231	942	745	603
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	498	419	357	308	268	236	209	186	167	151
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5604	1401	623	350	224	156	114	88	69	56
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	46	39	33	29	25	22	19	17	16	14

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration OFF



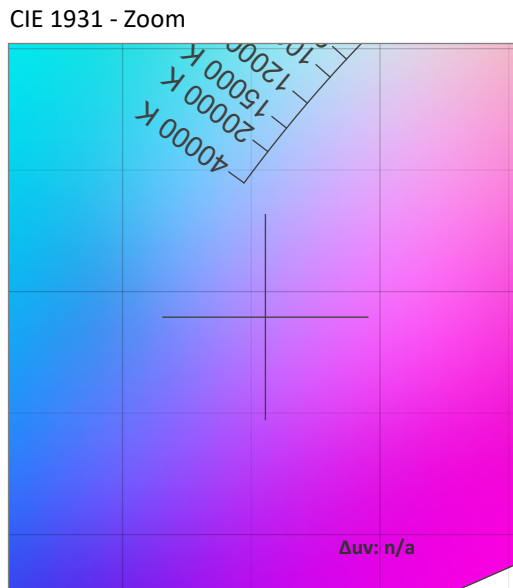
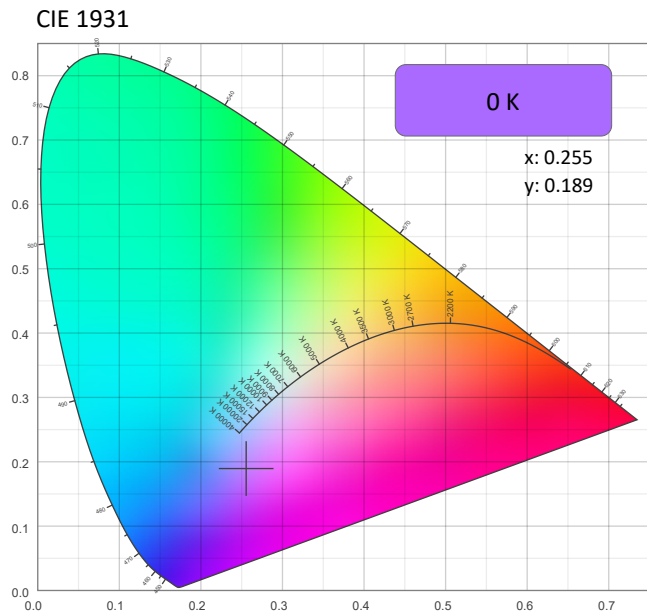
ISO Diagrams



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration OFF

Chromaticity



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.255	0.189

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.189	0.215

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0



Photometric & Chromaticity Report

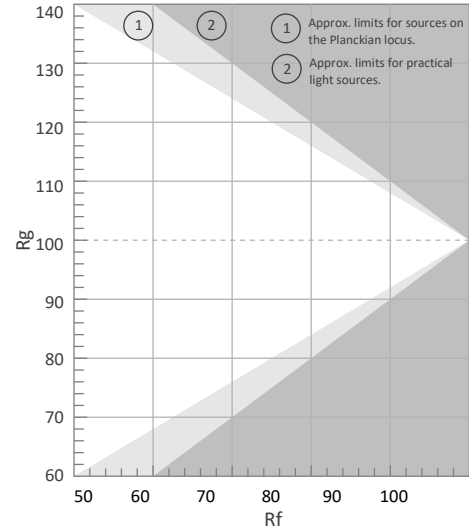
Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Full - White Mode Calibration OFF

TM-30 Details

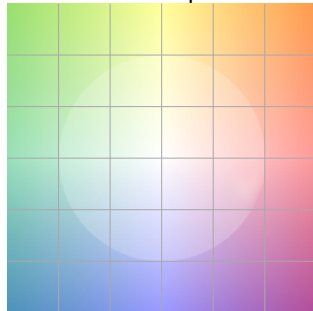
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

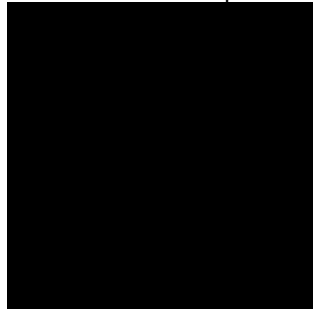
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



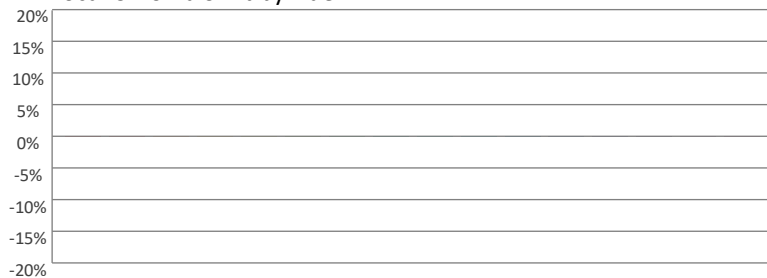
Color Distortion Graphic



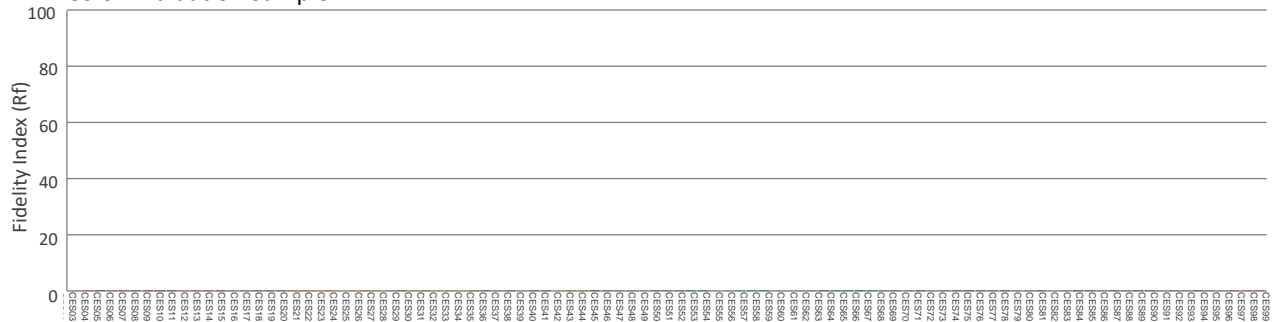
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Auto - White Mode Calibration ON

Report Summary

Measurements

Fixture Output: 5528 lm
Fixture Peak: 54472 cd
Fixture Efficacy: 24 lm/W
Intensity @ 5m: 2169 lux
Color Temperature: 7591 K
CRI: 69.1 CRI R9 Value: -42.8
CQS: 83.4
TLCI: 56
TM-30 Rf: 75.9
TM-30 Rg: 119.8
Beam Angle (50%): 18.9°
Field Angle (10%): 26.6°
Cutoff Angle (3%): 30°

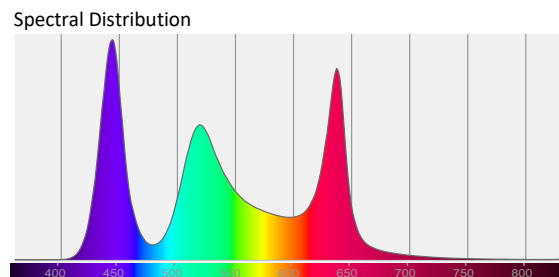
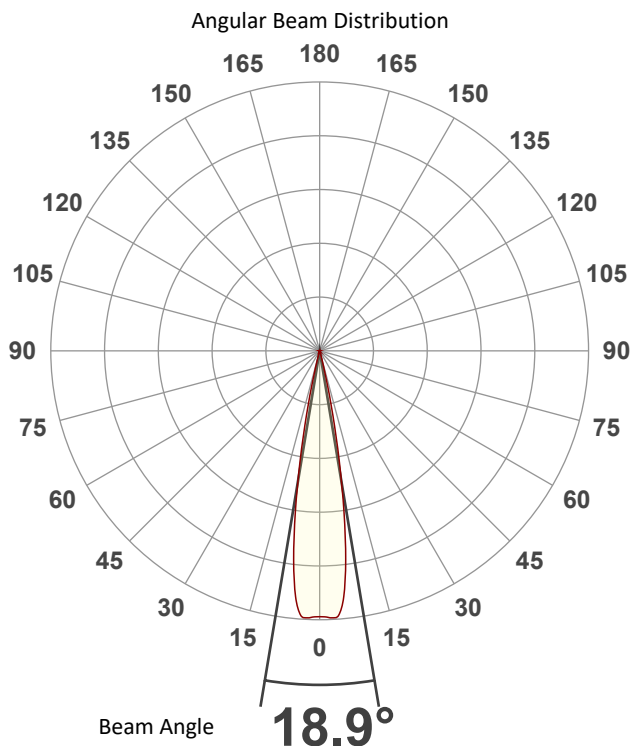


Conditions

AC Supply: 117 V, 60 Hz
Power: 233.0 W
Current: 1.99 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

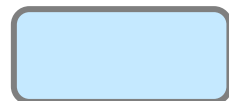
Overall Measurement



Tested Color (CIE 1931):

X: 0.301

Y: 0.305



Light Quality

CRI: 69.1

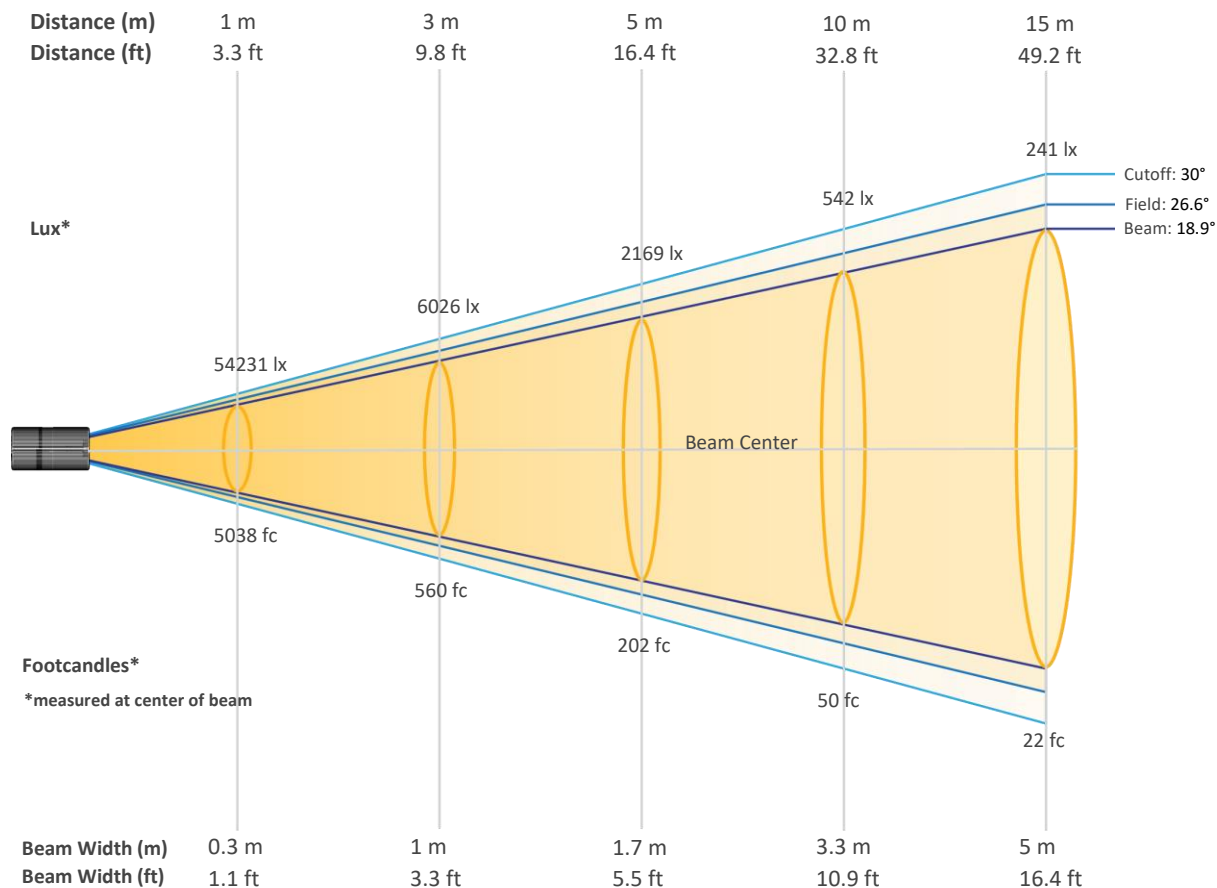
Color Temperature

7591 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Auto - White Mode Calibration ON

Beam Details

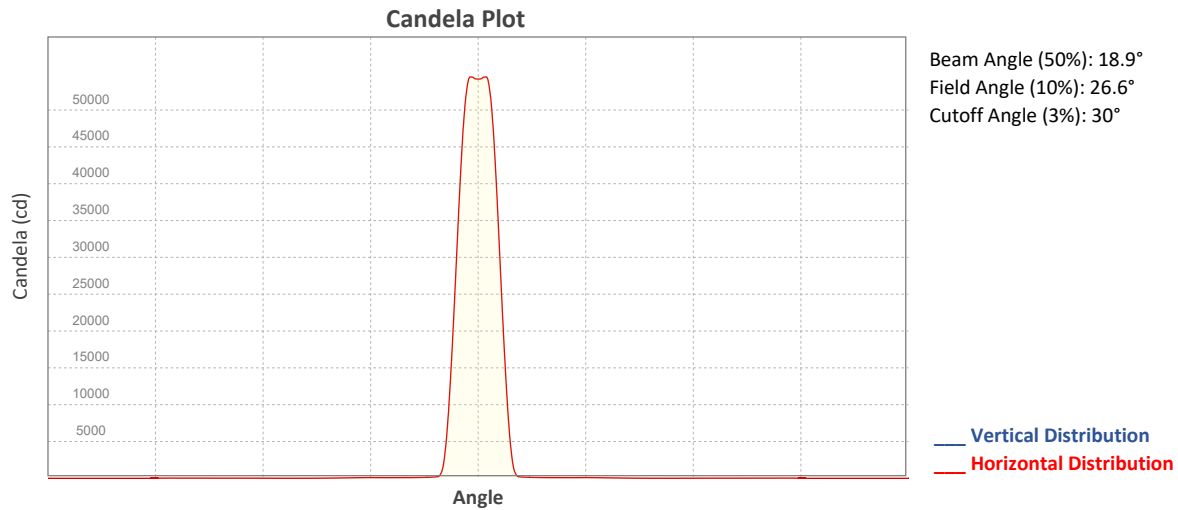


Beam Intensities from 1-20m (3.3-65.6ft)

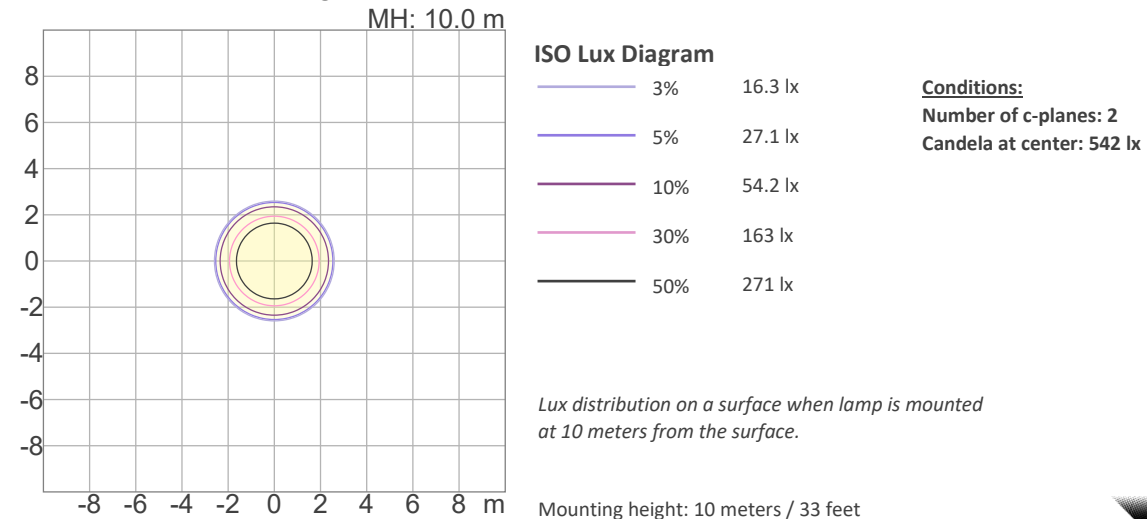
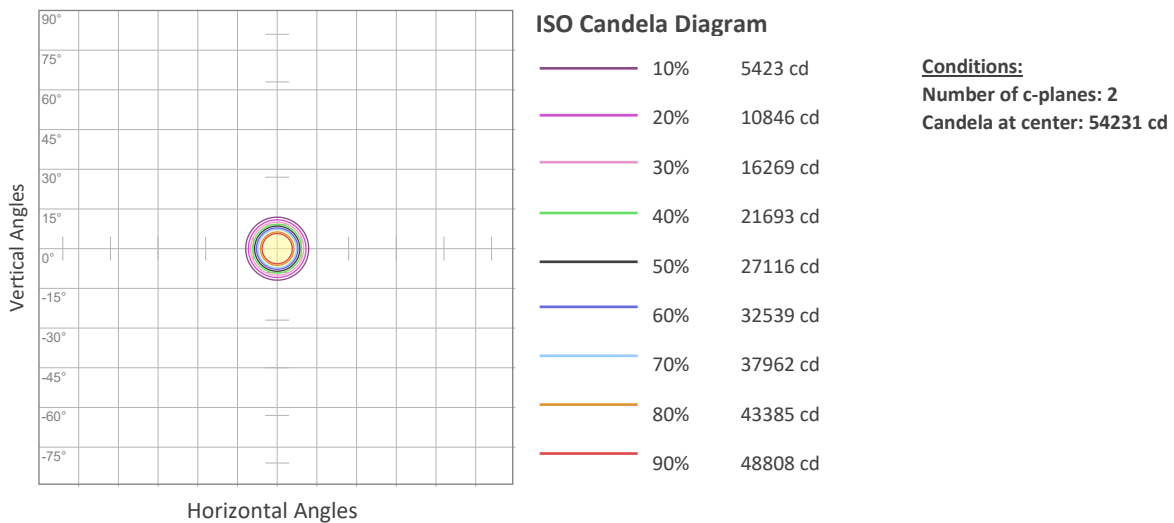
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	54231	13558	6026	3389	2169	1506	1107	847	670	542
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	448	377	321	277	241	212	188	167	150	136
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5038	1260	560	315	202	140	103	79	62	50
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	42	35	30	26	22	20	17	16	14	13

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Auto - White Mode Calibration ON



ISO Diagrams

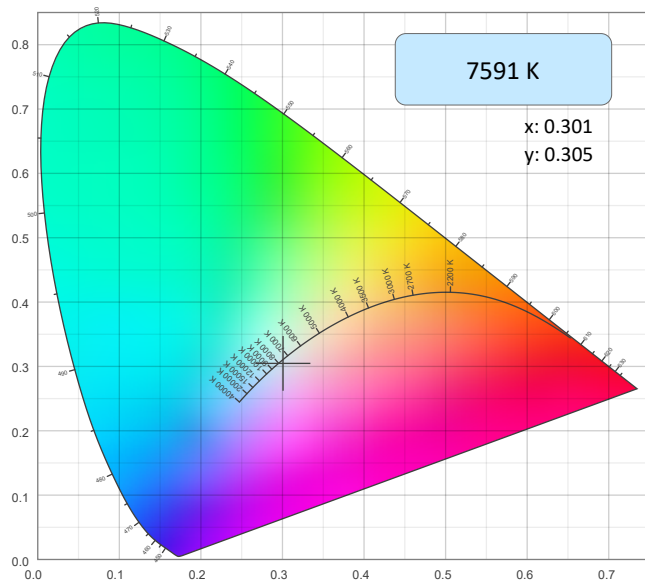


Photometric & Chromaticity Report

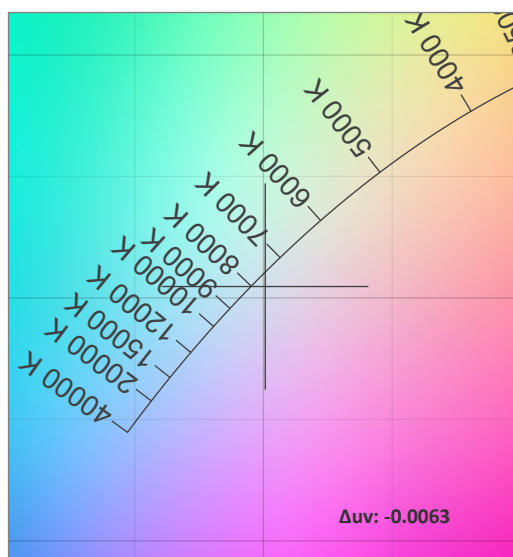
Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Auto - White Mode Calibration ON

Chromaticity

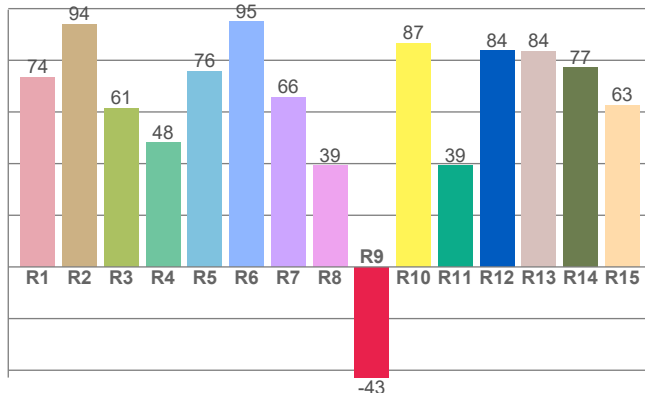
CIE 1931



CIE 1931 - Zoom



CRI: 69.1 (R1-R8)

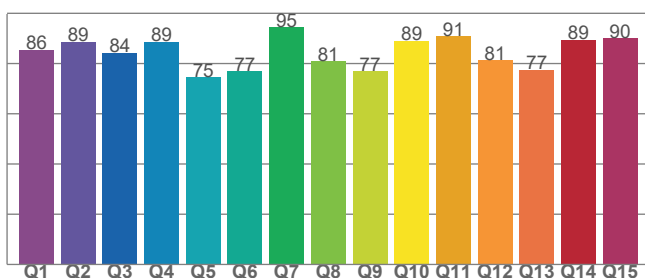


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7591 K	0.301	0.305

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0063	0.305	0.199

CQS: 83.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.1	-42.8	83.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
56	75.9	119.8

Photometric & Chromaticity Report

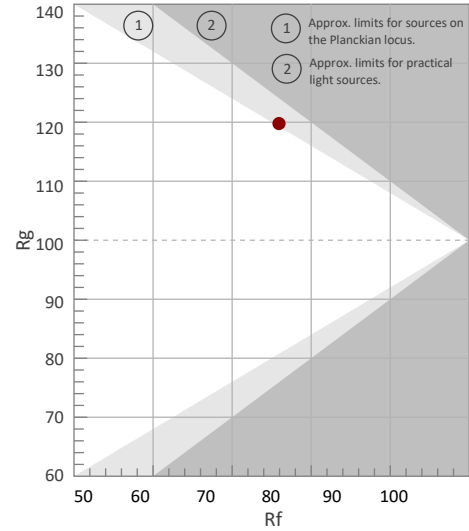
Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Auto - White Mode Calibration ON

TM-30 Details

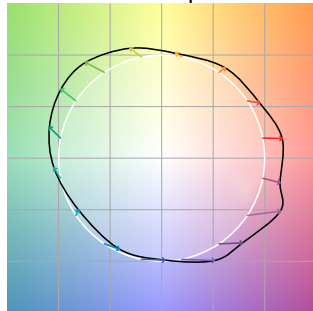
Rf 75.9
Fidelity Index (Rg)

Rg 119.8
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	18%	-4%
2	77	9%	-8%
3	86	7%	-2%
4	88	2%	6%
5	77	10%	9%
6	71	18%	10%
7	72	18%	-1%
8	75	13%	-8%
9	85	4%	-11%
10	89	-5%	-3%
11	70	-4%	15%
12	71	-4%	22%
13	69	7%	31%
14	65	12%	20%
15	63	24%	21%
16	68	17%	-1%



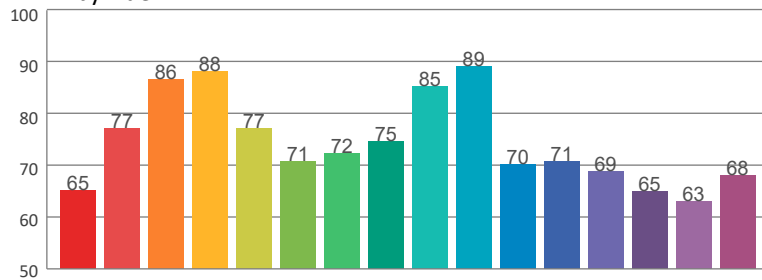
Color Vector Graphic



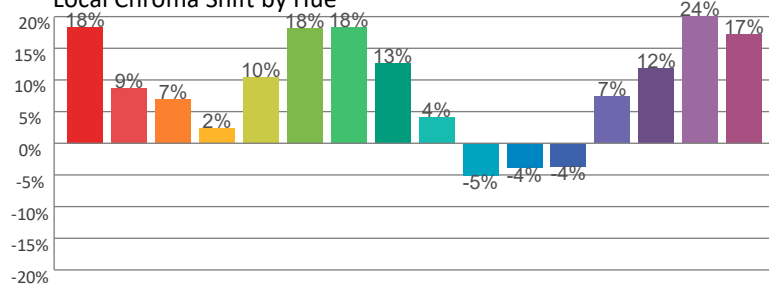
Color Distortion Graphic



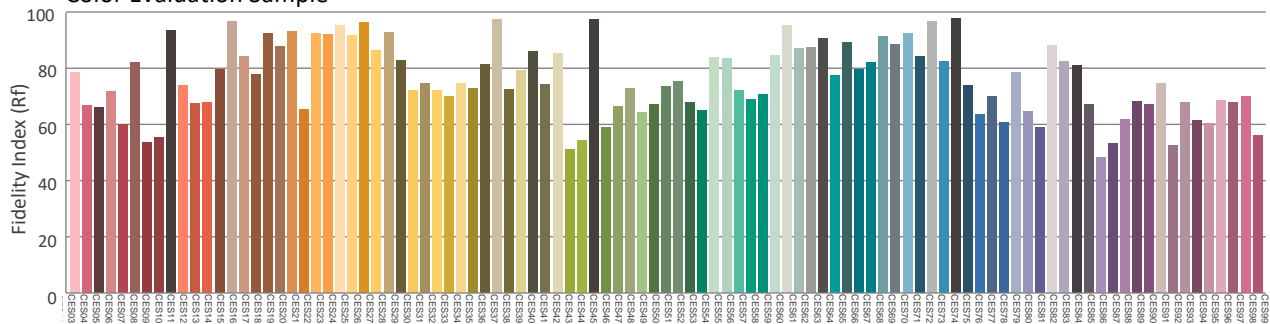
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Auto - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 6192 lm
Fixture Peak: 60581 cd
Fixture Efficacy: 20 lm/W
Intensity @ 5m: 2416 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 18.9°
Field Angle (10%): 26.5°
Cutoff Angle (3%): 29.7°

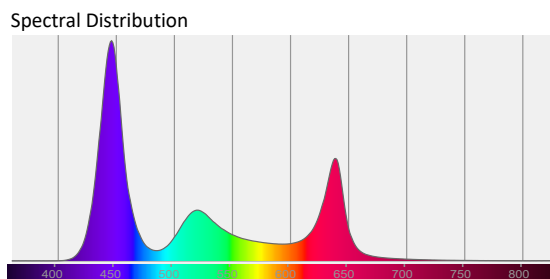
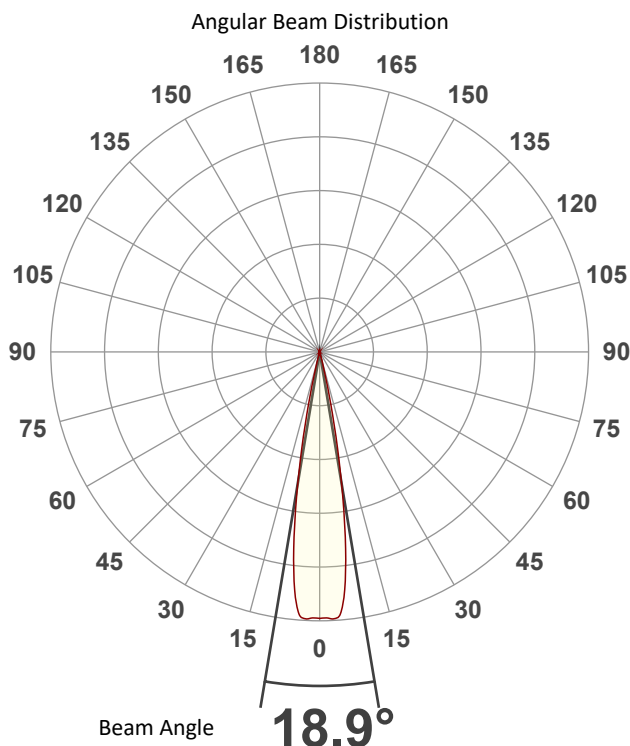


Conditions

AC Supply: 116 V, 60 Hz
Power: 309.32 W
Current: 2.66 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.255

Y: 0.189



Light Quality

CRI: 0.0

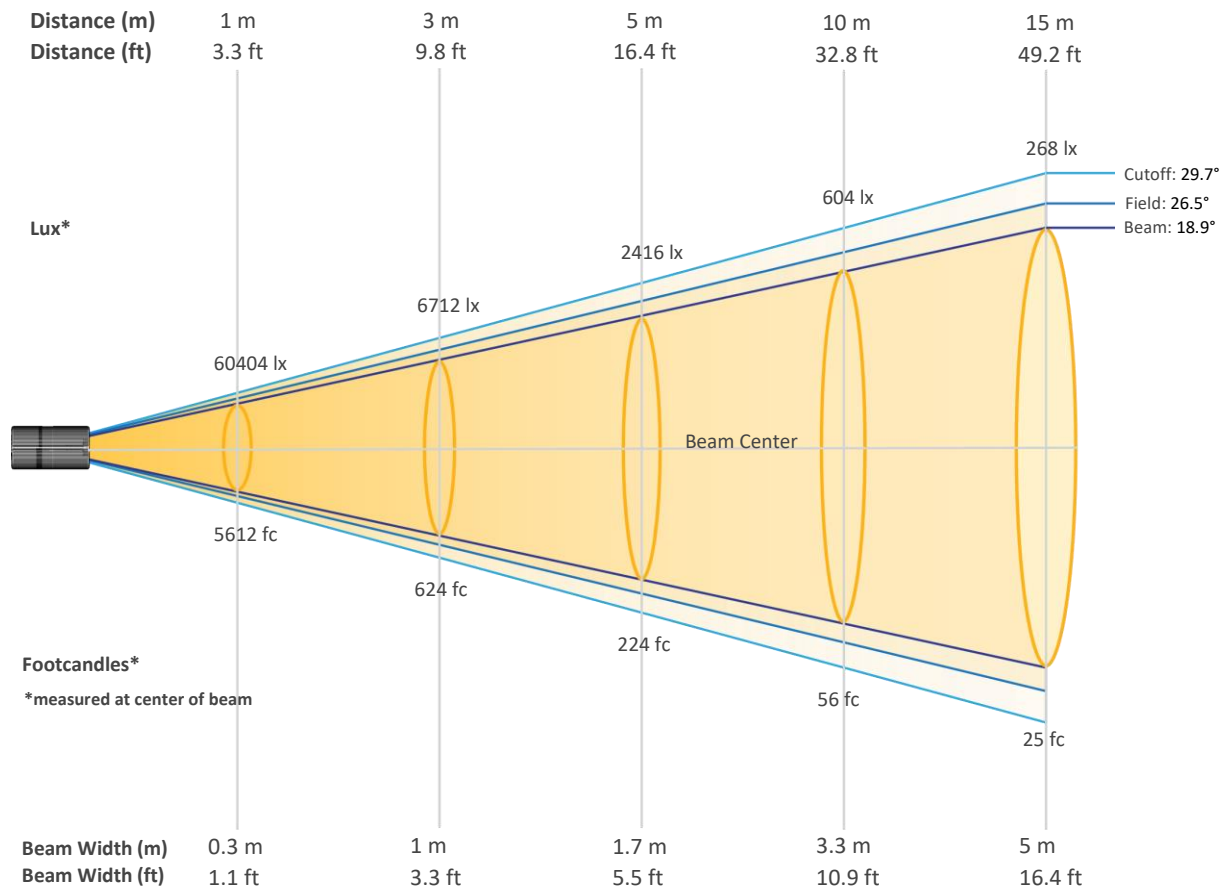
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Auto - White Mode Calibration OFF

Beam Details

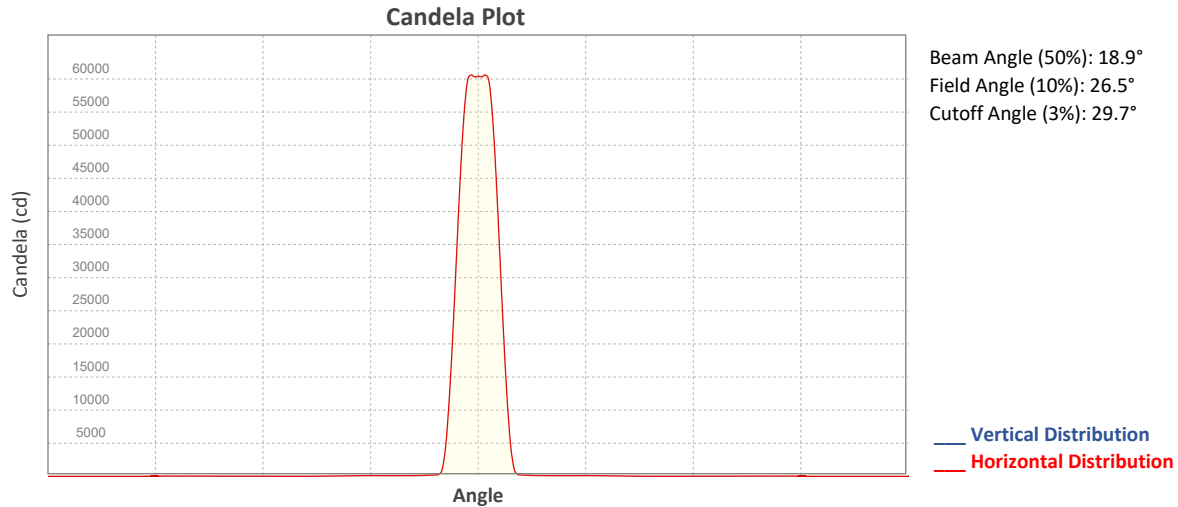


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	60404	15101	6712	3775	2416	1678	1233	944	746	604
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	499	419	357	308	268	236	209	186	167	151
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5612	1403	624	351	224	156	115	88	69	56
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	46	39	33	29	25	22	19	17	16	14

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Auto - White Mode Calibration OFF



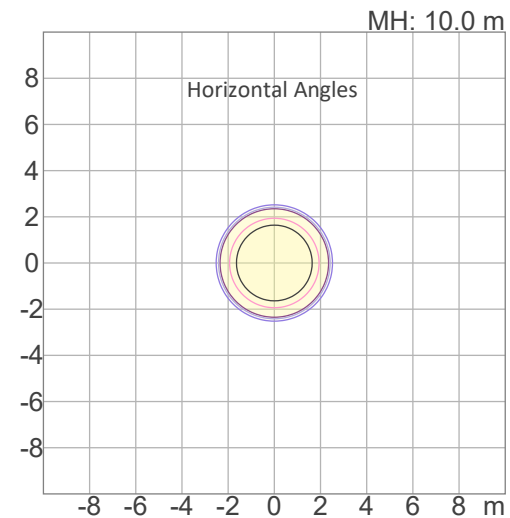
ISO Diagrams



ISO Candela Diagram

10%	6040 cd
20%	12081 cd
30%	18121 cd
40%	24161 cd
50%	30202 cd
60%	36242 cd
70%	42283 cd
80%	48323 cd
90%	54363 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 60404 cd



ISO Lux Diagram

3%	18.1 lx
5%	30.2 lx
10%	60.4 lx
30%	181 lx
50%	302 lx

Conditions:
 Number of c-planes: 2
 Candela at center: 604 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to Auto - White Mode Calibration OFF

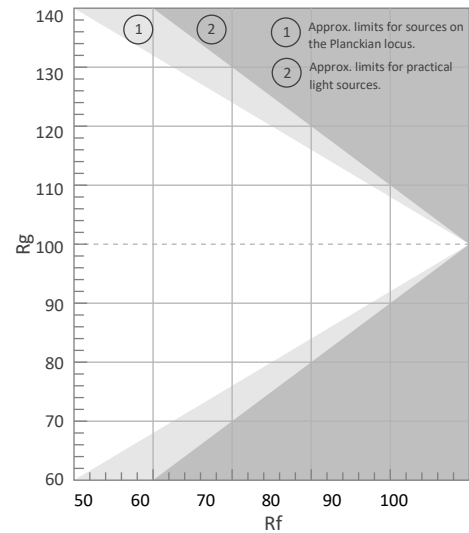
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

TM-30 Details

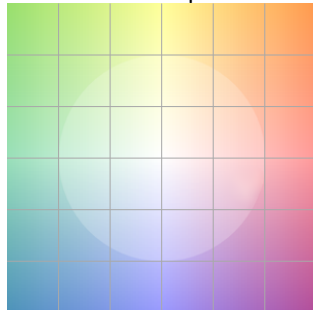
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



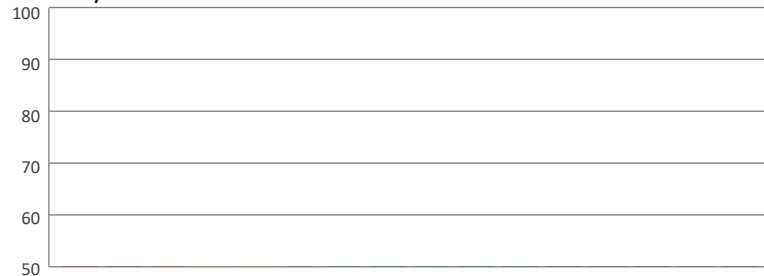
Color Vector Graphic



Color Distortion Graphic



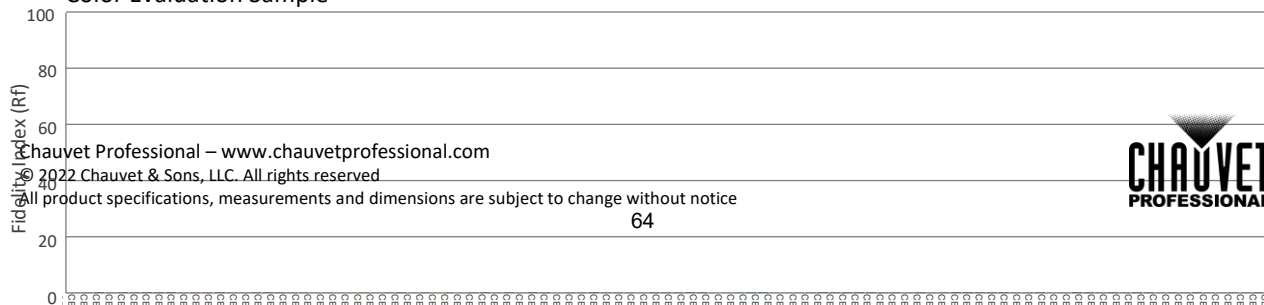
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration ON

Report Summary

Measurements

Fixture Output: 5516 lm
Fixture Peak: 54573 cd
Fixture Efficacy: 24 lm/W
Intensity @ 5m: 2168 lux
Color Temperature: 7562 K
CRI: 69.0 CRI R9 Value: -43.0
CQS: 83.4
TLCI: 55
TM-30 Rf: 75.9
TM-30 Rg: 119.9
Beam Angle (50%): 18.9°
Field Angle (10%): 26.7°
Cutoff Angle (3%): 30.1°

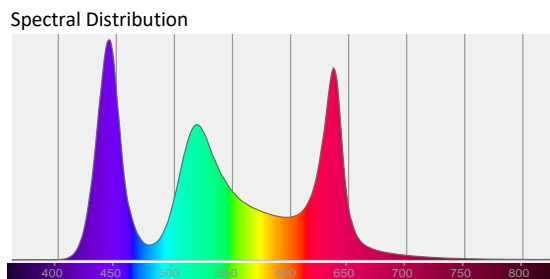
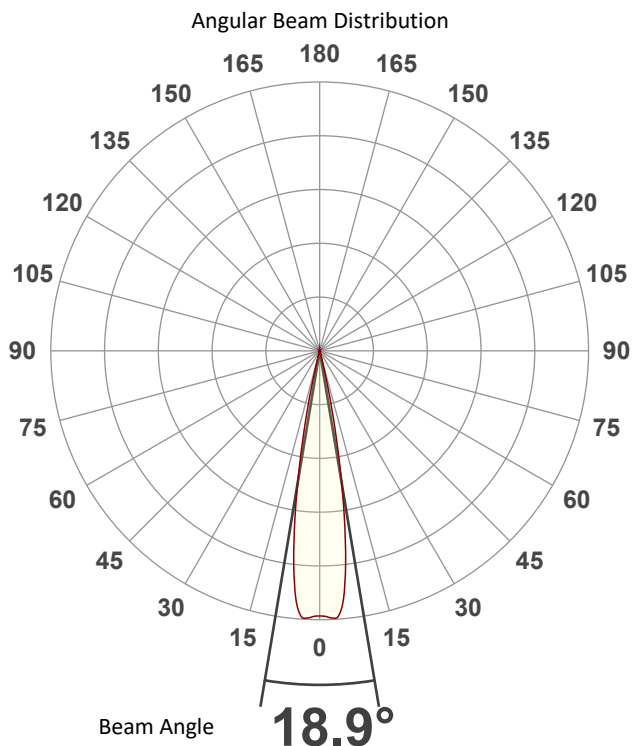


Conditions

AC Supply: 117 V, 60 Hz
Power: 233.26 W
Current: 1.99 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

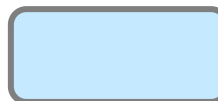
Overall Measurement



Tested Color (CIE 1931):

X: 0.301

Y: 0.305



Light Quality

CRI: 69.0

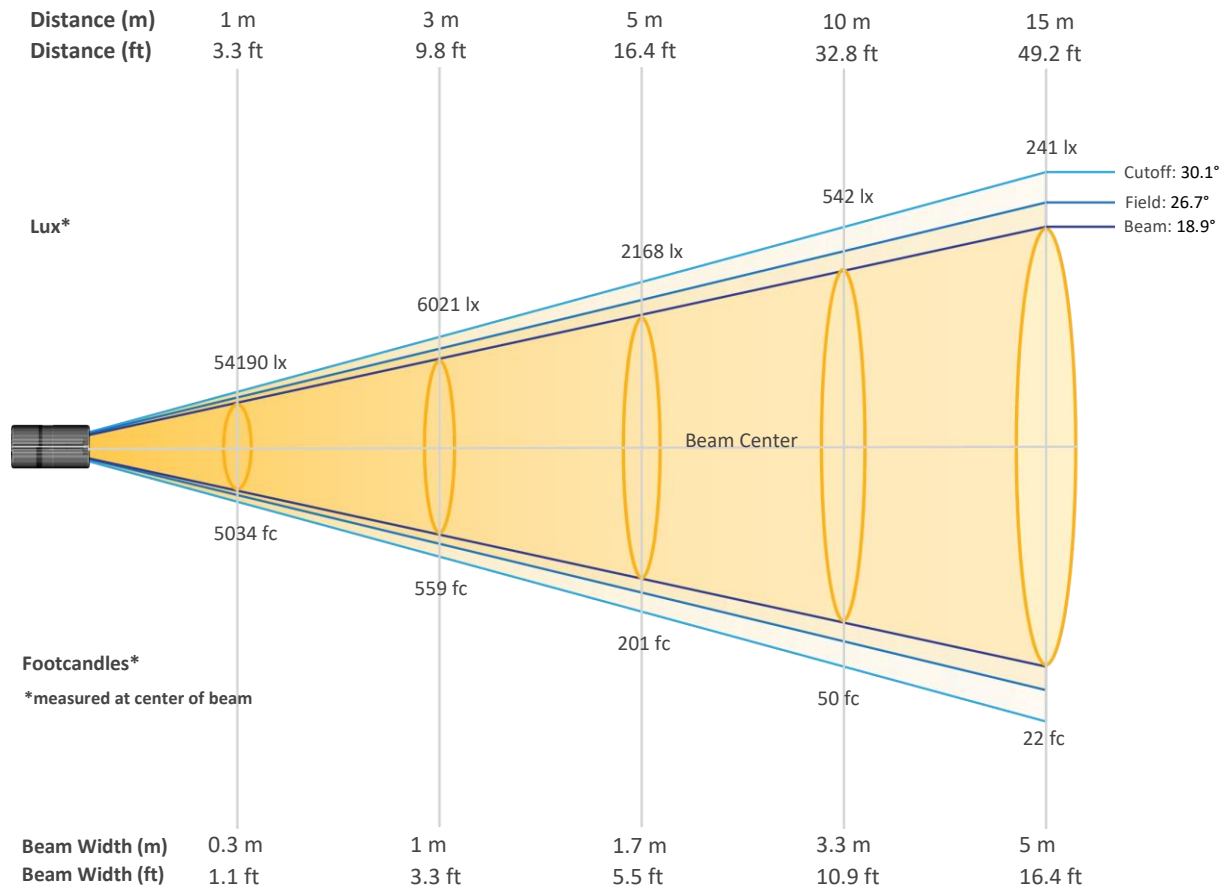
Color Temperature

7562 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration ON

Beam Details

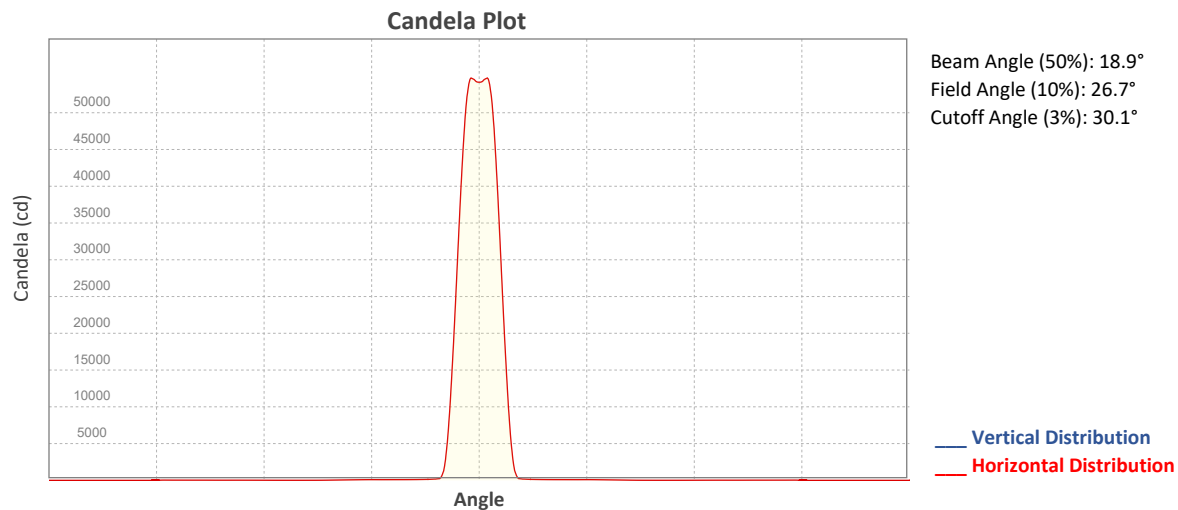


Beam Intensities from 1-20m (3.3-65.6ft)

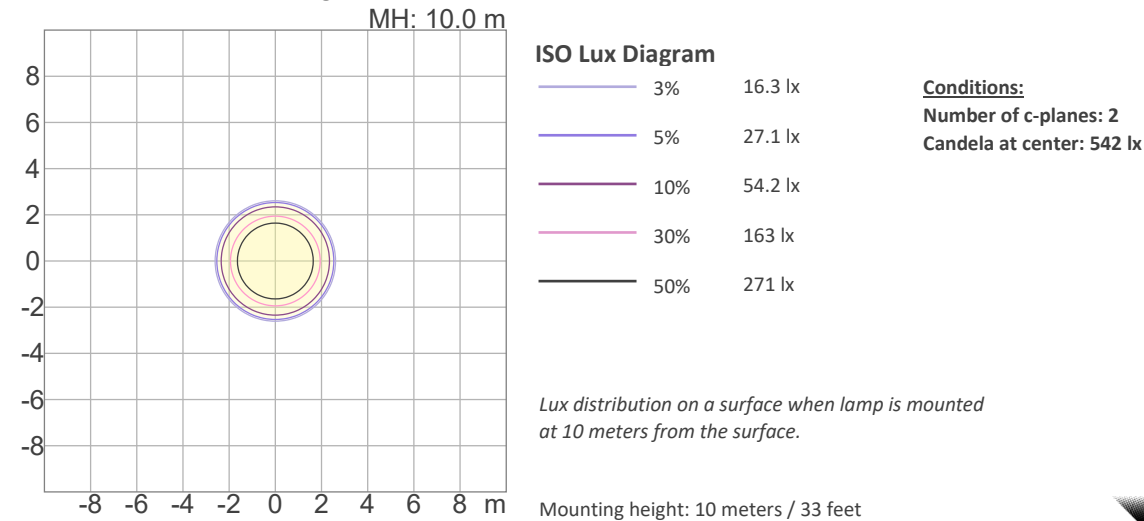
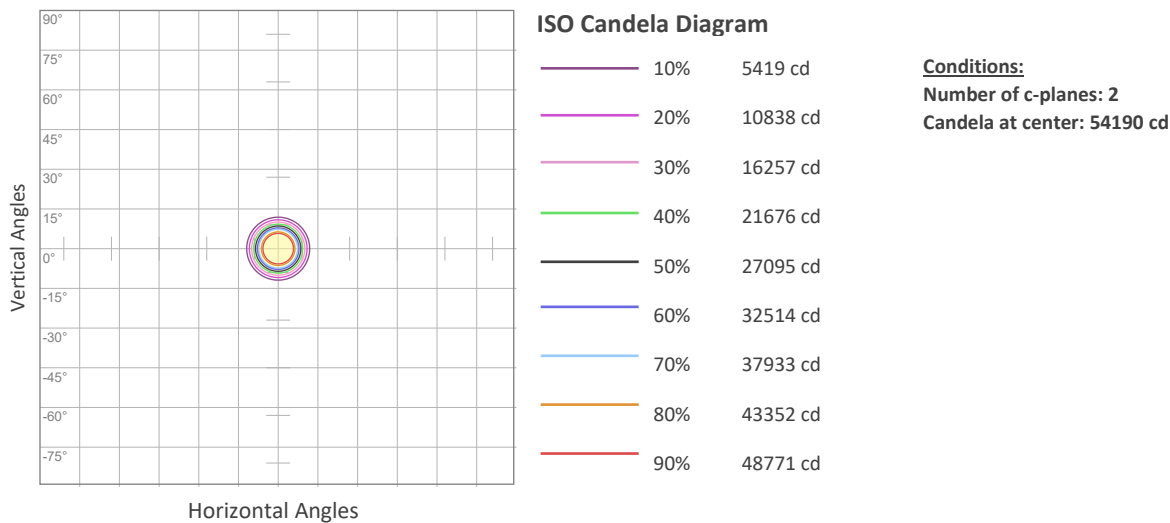
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	54190	13547	6021	3387	2168	1505	1106	847	669	542
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	448	376	321	276	241	212	188	167	150	135
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5034	1259	559	315	201	140	103	79	62	50
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	42	35	30	26	22	20	17	16	14	13

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration ON



ISO Diagrams

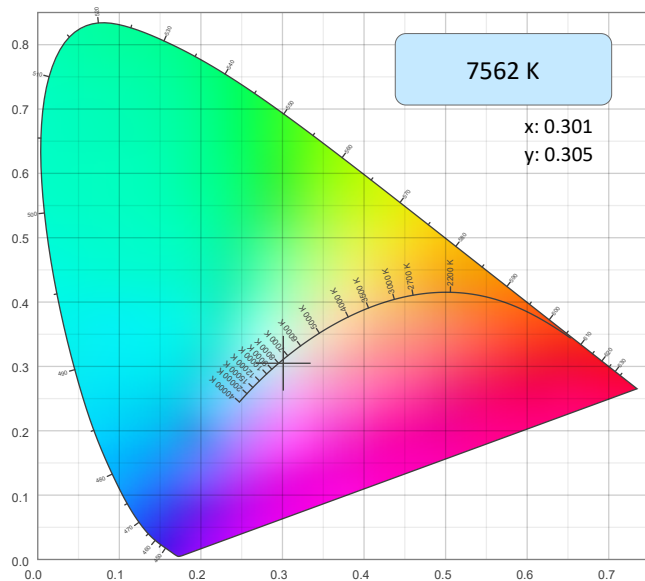


Photometric & Chromaticity Report

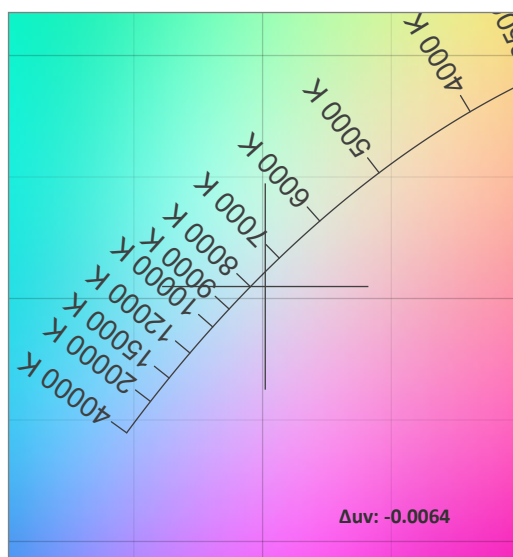
Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration ON

Chromaticity

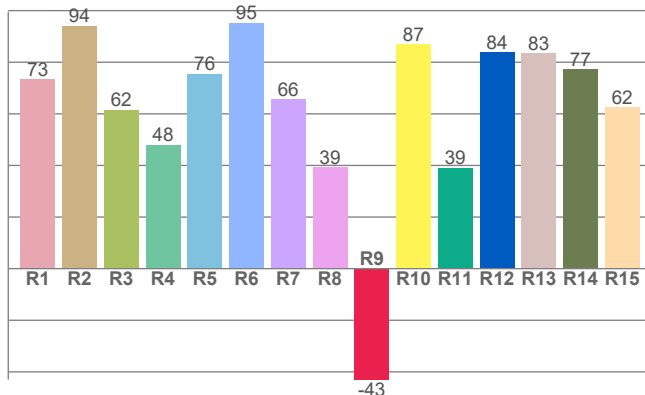
CIE 1931



CIE 1931 - Zoom



CRI: 69.0 (R1-R8)

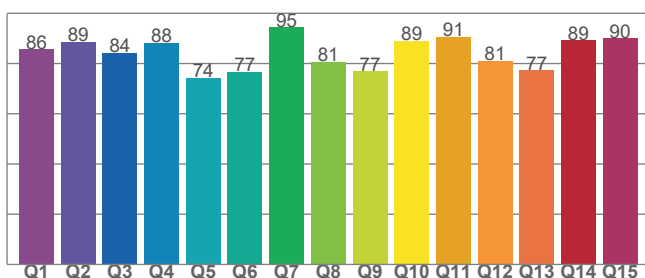


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7562 K	0.301	0.305

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0064	0.305	0.199

CQS: 83.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.0	-43.0	83.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
55	75.9	119.9

Photometric & Chromaticity Report

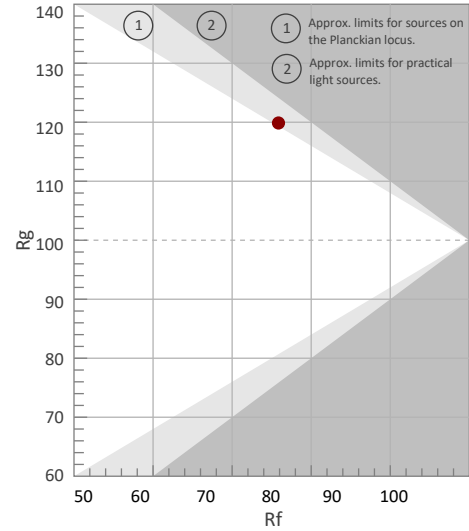
Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration ON

TM-30 Details

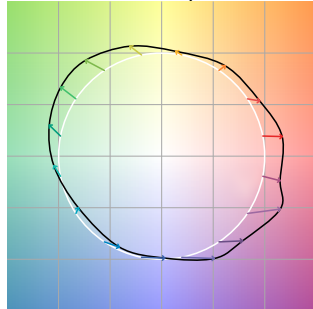
Rf 75.9
Fidelity Index (Rg)

Rg 119.9
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	18%	-4%
2	77	9%	-8%
3	86	7%	-2%
4	88	2%	6%
5	77	11%	9%
6	71	18%	10%
7	72	18%	-1%
8	74	13%	-8%
9	85	4%	-11%
10	89	-5%	-3%
11	70	-4%	15%
12	71	-4%	22%
13	69	7%	31%
14	65	12%	20%
15	63	24%	21%
16	68	17%	-1%



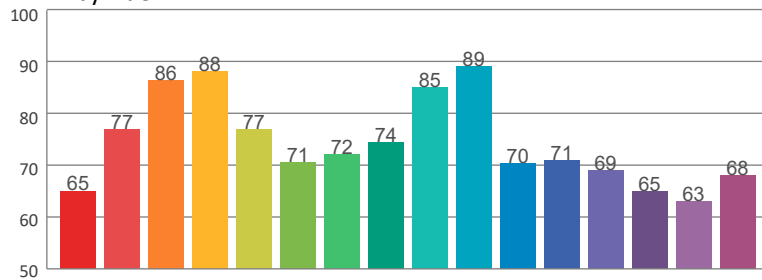
Color Vector Graphic



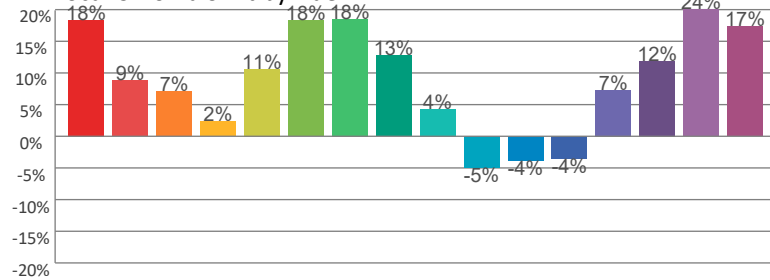
Color Distortion Graphic



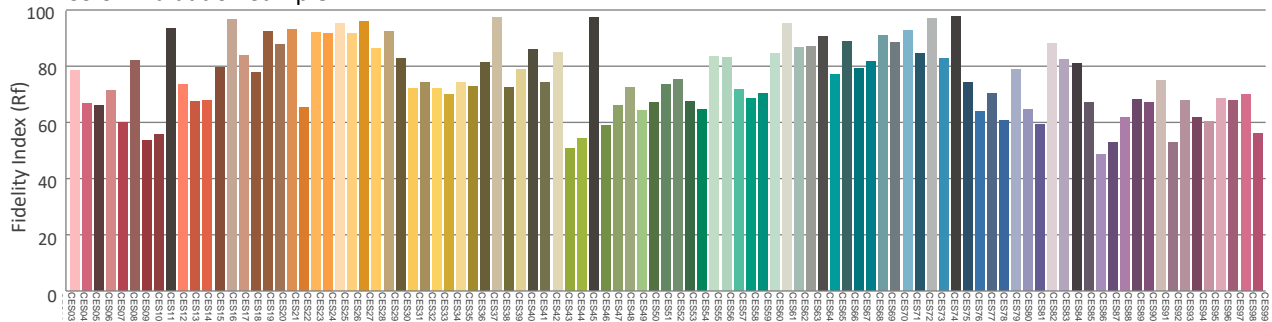
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power-Steady - Fan set to ECO - White Mode
Calibration ON

Report Summary

Measurements

Fixture Output: 5546 lm
Fixture Peak: 54509 cd
Fixture Efficacy: 24 lm/W
Intensity @ 5m: 2171 lux
Color Temperature: 7524 K
CRI: 68.9 CRI R9 Value: -43.6
CQS: 83.3
TLCI: 55
TM-30 Rf: 75.7
TM-30 Rg: 120.0
Beam Angle (50%): 19°
Field Angle (10%): 26.8°
Cutoff Angle (3%): 30.2°

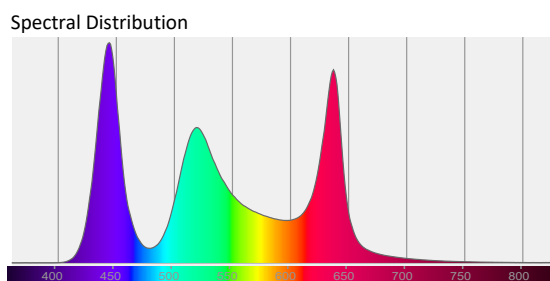
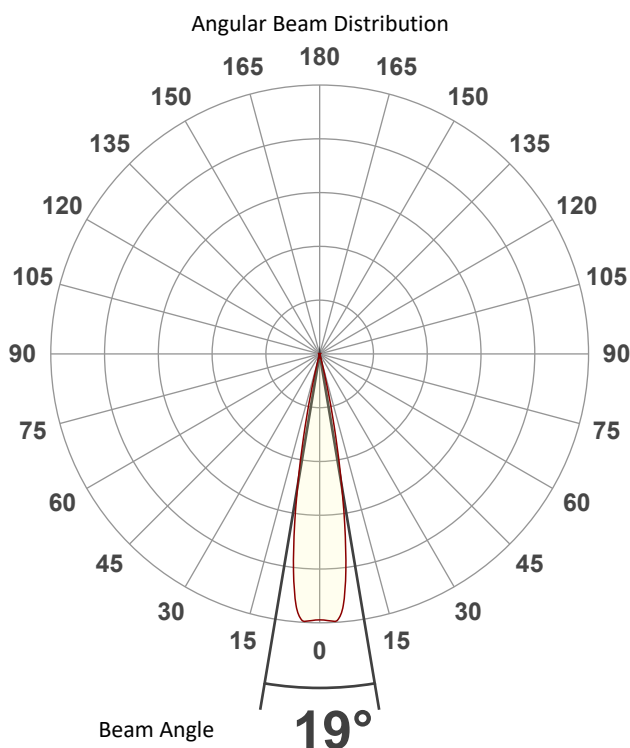
Conditions

AC Supply: 119 V, 60 Hz
Power: 230.95 W
Current: 1.95 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

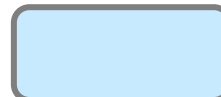
Overall Measurement



Tested Color (CIE 1931):

X: 0.302

Y: 0.305



Light Quality

CRI: 68.9

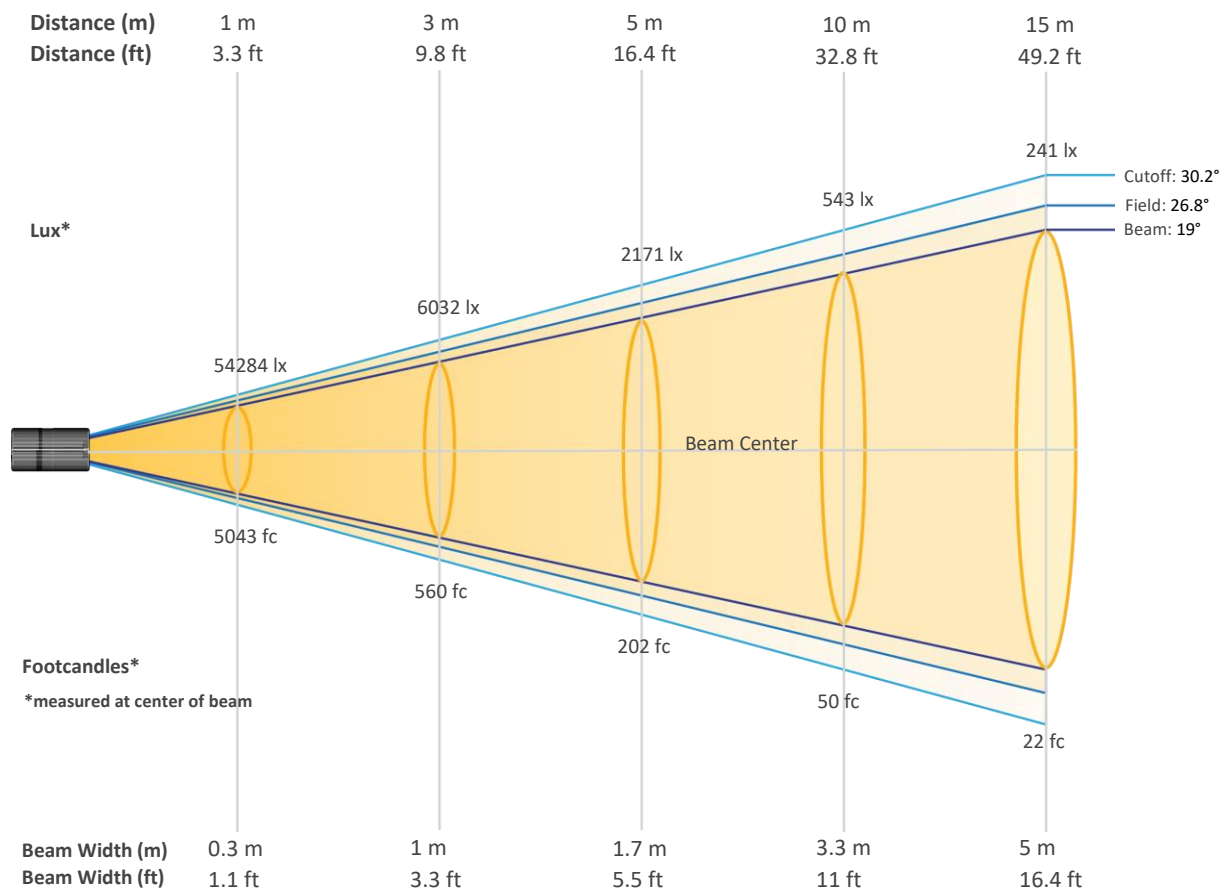
Color Temperature

7524 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power-Steady - Fan set to ECO - White Mode
Calibration ON

Beam Details

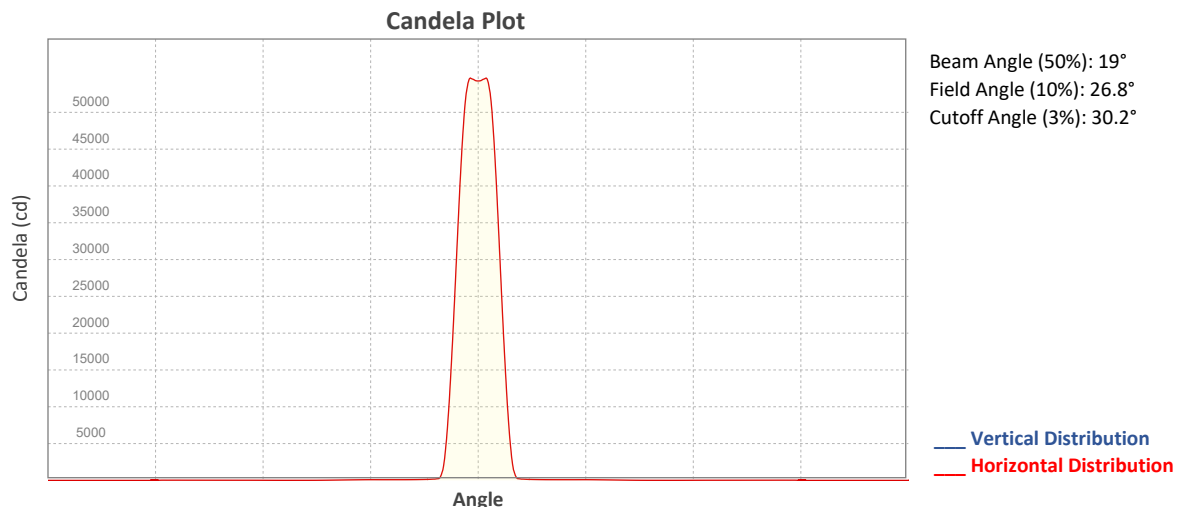


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	54284	13571	6032	3393	2171	1508	1108	848	670	543
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	449	377	321	277	241	212	188	168	150	136
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5043	1261	560	315	202	140	103	79	62	50
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	42	35	30	26	22	20	17	16	14	13

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power-Steady - Fan set to ECO - White Mode
Calibration ON



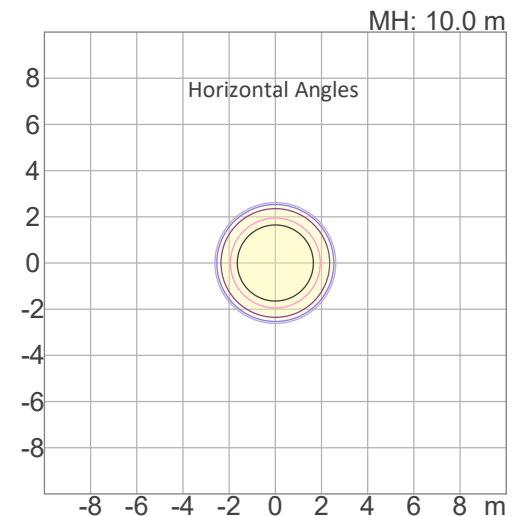
ISO Diagrams



ISO Candela Diagram

10%	5428 cd
20%	10857 cd
30%	16285 cd
40%	21714 cd
50%	27142 cd
60%	32570 cd
70%	37999 cd
80%	43427 cd
90%	48856 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 54284 cd



ISO Lux Diagram

3%	16.3 lx
5%	27.1 lx
10%	54.3 lx
30%	163 lx
50%	271 lx

Conditions:
 Number of c-planes: 2
 Candela at center: 543 lx

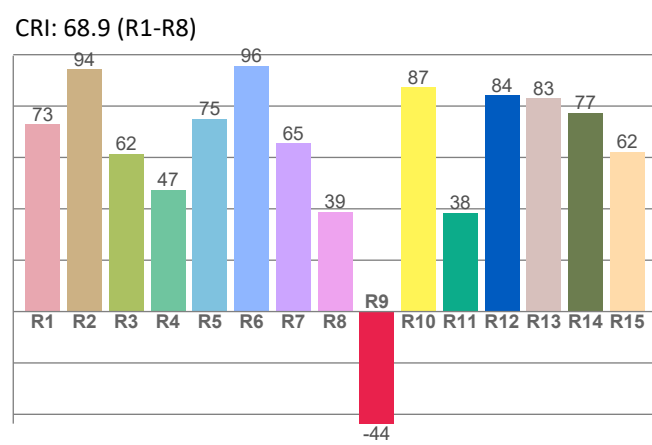
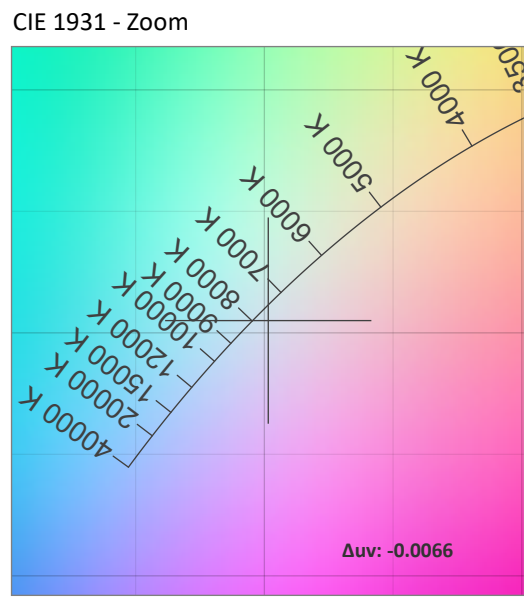
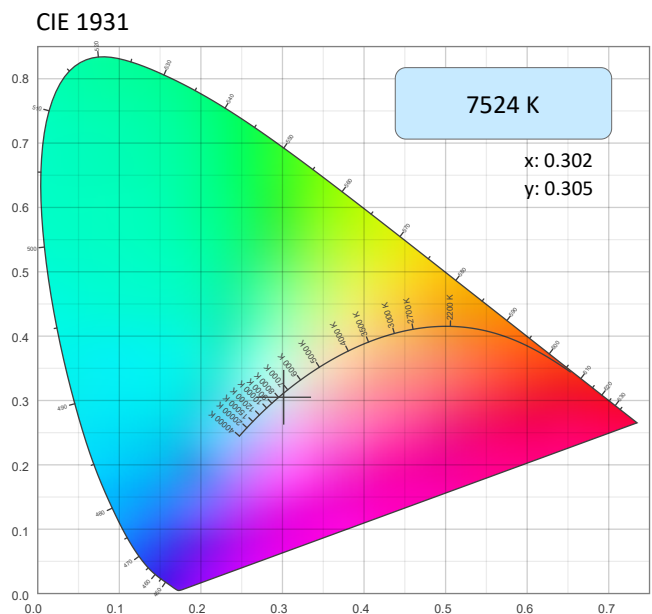
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power-Steady - Fan set to ECO - White Mode
Calibration ON

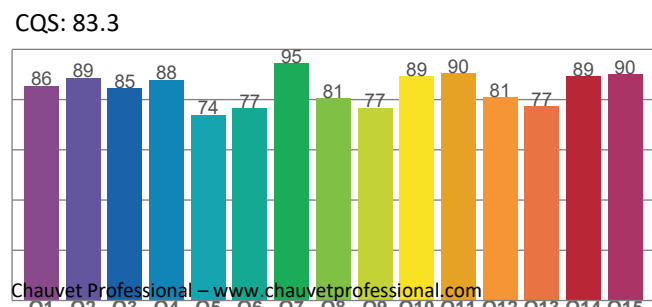
Chromaticity



Color Temperature CCT	Color Coordinate CIE 1931 x	Color Coordinate CIE 1931 y
7524 K	0.302	0.305

Color Deviation from Black Body Curve Δuv	Color Coordinate CIE 1964 y	Color Coordinate CIE 1964 u
-0.0066	0.305	0.199

Color Rendering Index CRI	Red Component CRI - R9	Color Quality Scale CQS
68.9	-43.6	83.3



Television Lighting Consistency Index	Color Fidelity	Color Gamut



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power-Steady - Fan set to ECO - White Mode

Calibration ON

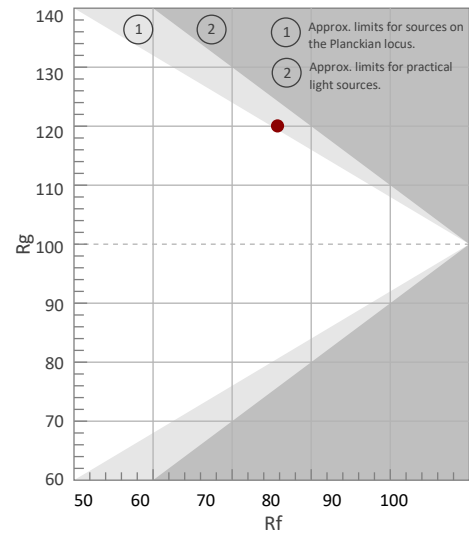
TLCI	TM30 - Rf	TM30 Rg
55	75.7	120.0

TM-30 Details

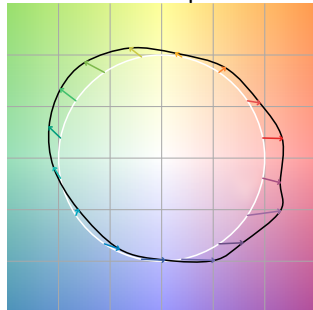
Rf 75.7
Fidelity Index
(Rg)

Rg 120.0
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	65	18%	-4%
2	77	9%	-8%
3	86	7%	-2%
4	88	2%	6%
5	77	11%	9%
6	70	18%	10%
7	72	19%	-1%
8	74	13%	-8%
9	85	4%	-11%
10	89	-5%	-4%
11	71	-4%	15%
12	71	-4%	22%
13	69	7%	31%
14	65	12%	20%
15	63	24%	21%
16	68	17%	-1%



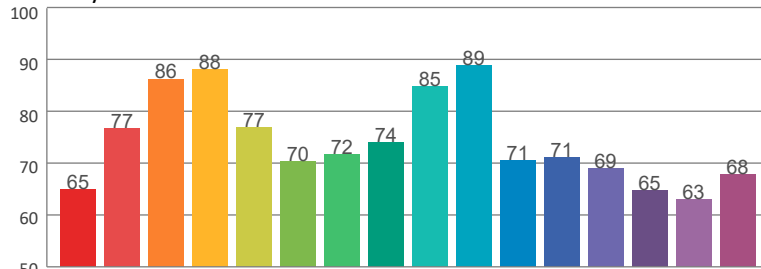
Color Vector Graphic



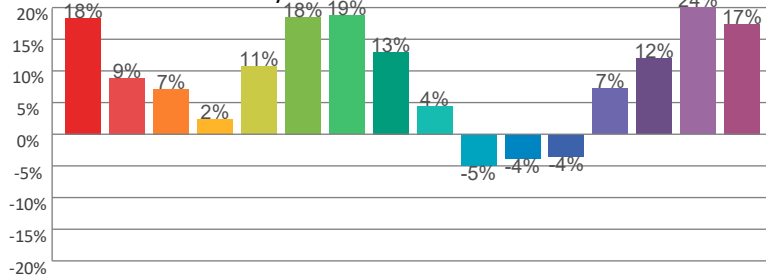
Color Distortion Graphic



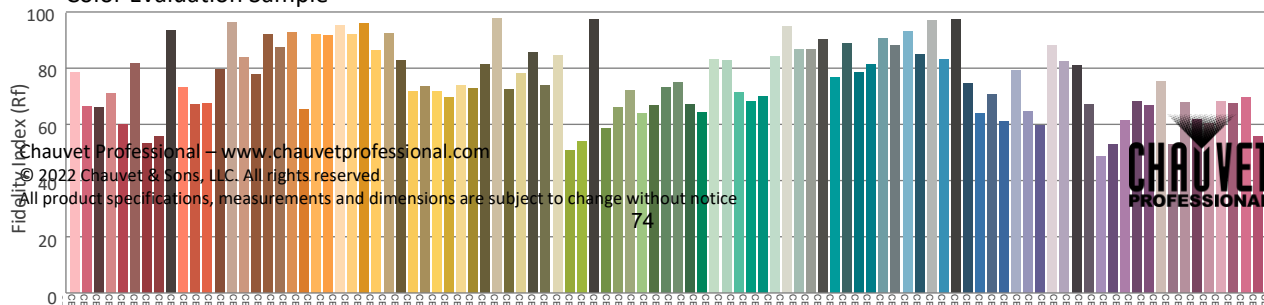
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 6169 lm

Fixture Peak: 60603 cd

Fixture Efficacy: 20 lm/W

Intensity @ 5m: 2414 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 18.9°

Field Angle (10%): 26.6°

Cutoff Angle (3%): 29.9°

Conditions

AC Supply: 116 V, 60 Hz

Power: 307.15 W

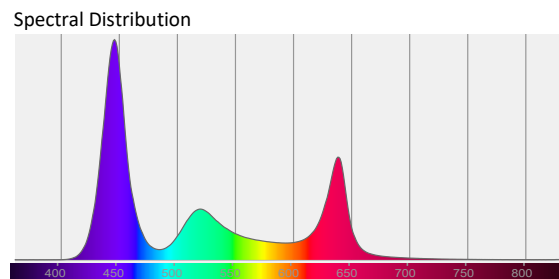
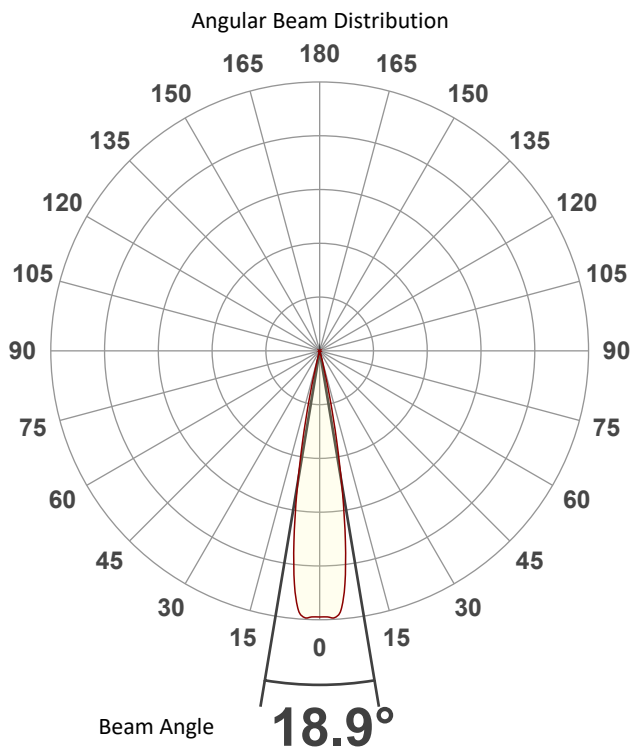
Current: 2.64 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.255

Y: 0.189



Light Quality

CRI: 0.0

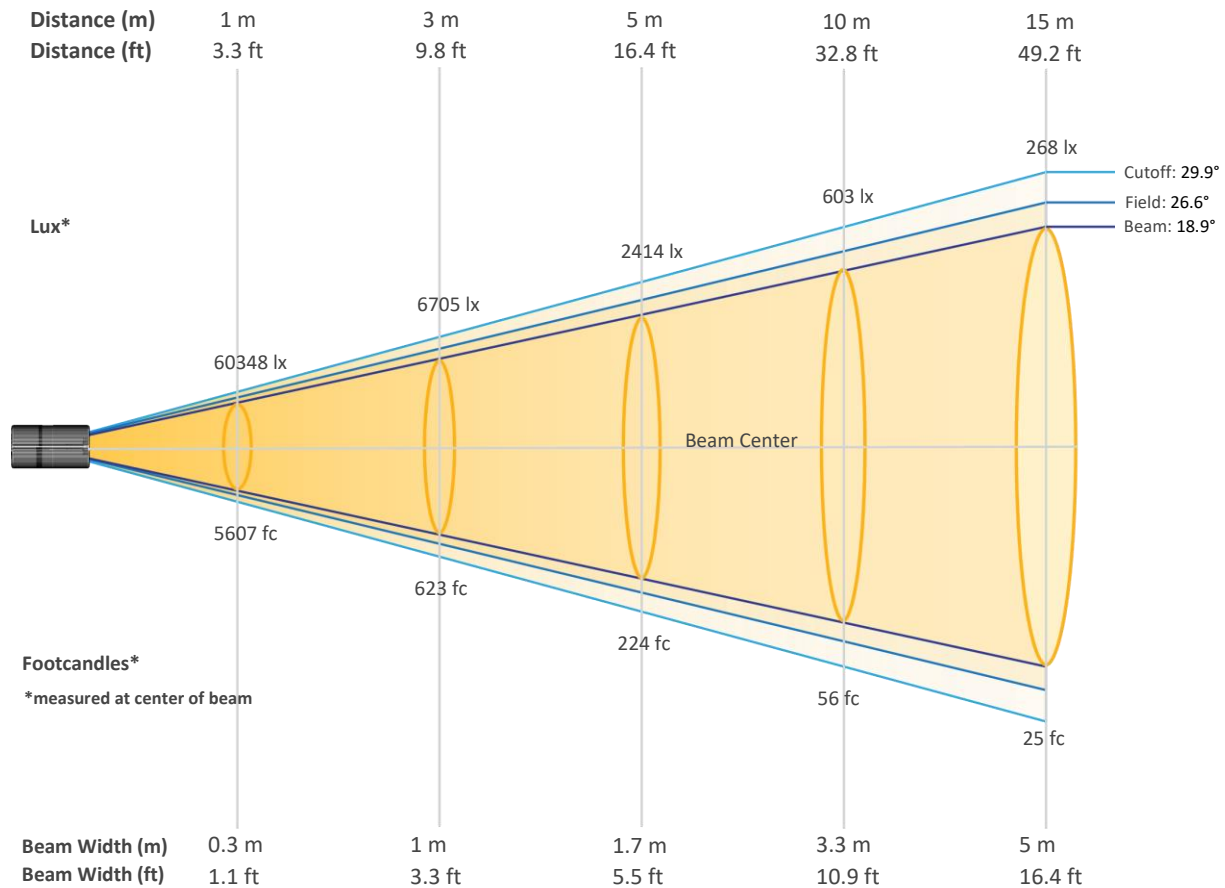
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration OFF

Beam Details

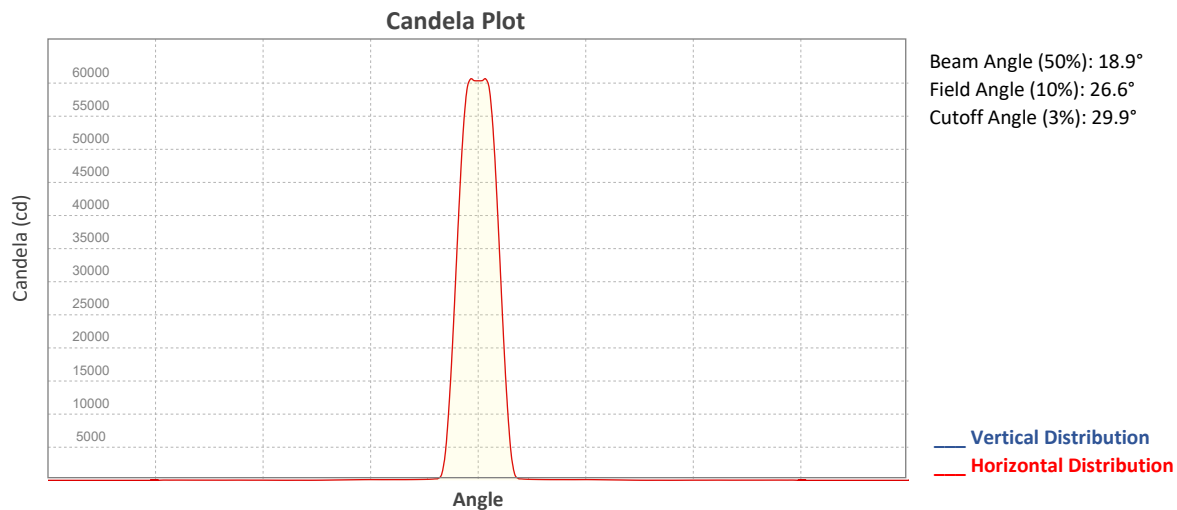


Beam Intensities from 1-20m (3.3-65.6ft)

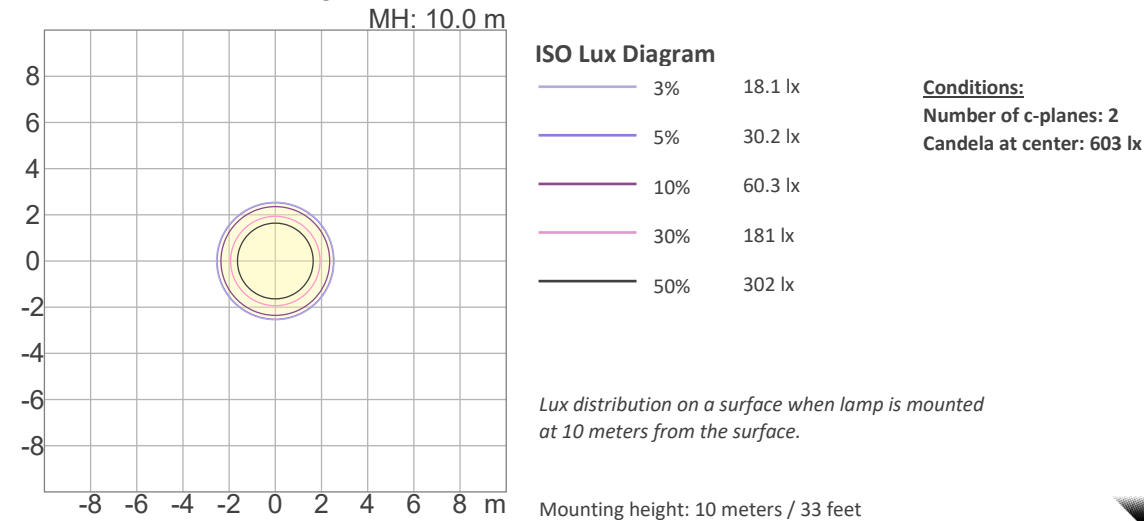
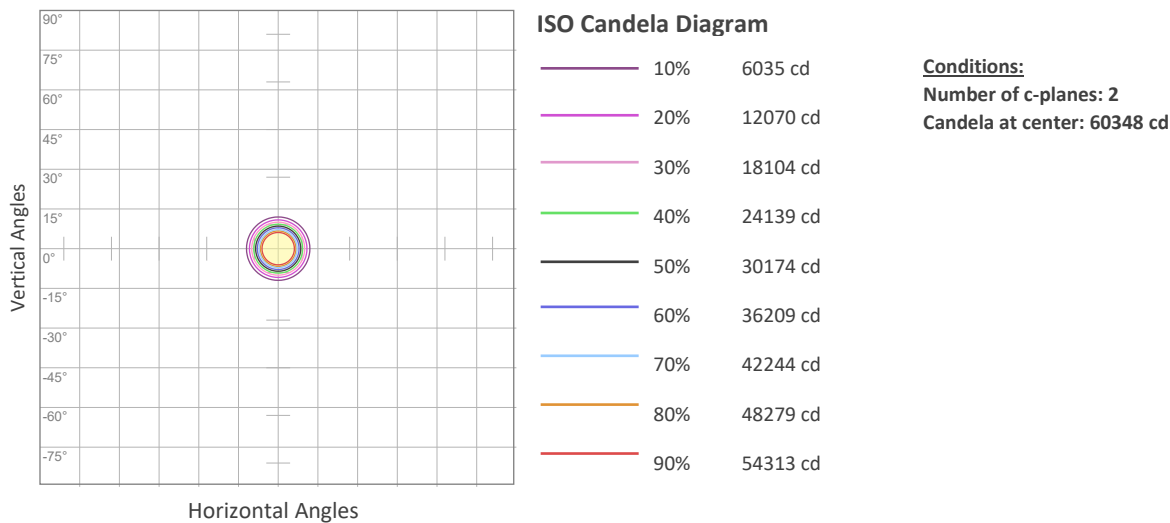
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	60348	15087	6705	3772	2414	1676	1232	943	745	603
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	499	419	357	308	268	236	209	186	167	151
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5607	1402	623	350	224	156	114	88	69	56
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	46	39	33	29	25	22	19	17	16	14

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration OFF



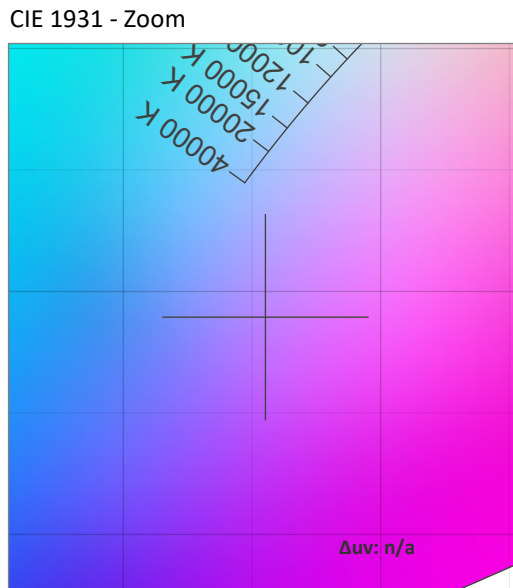
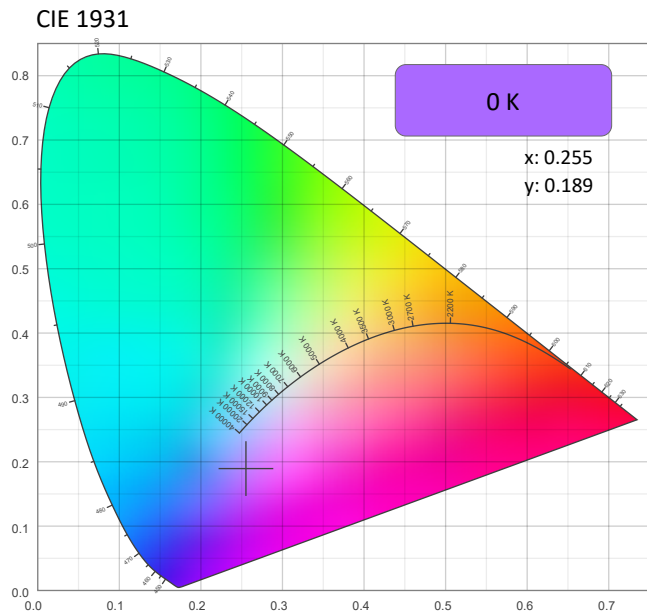
ISO Diagrams



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration OFF

Chromaticity



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.255	0.189

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.189	0.214

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0



Photometric & Chromaticity Report

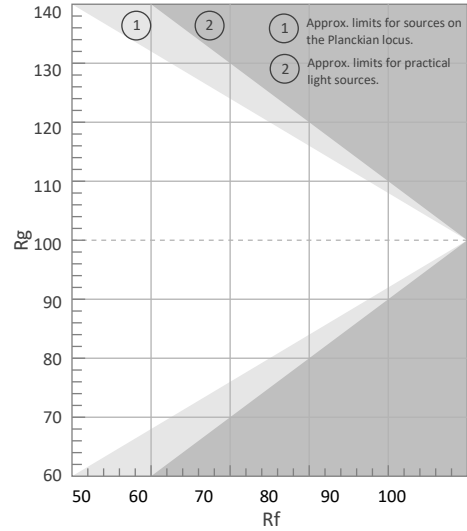
Rogue Outcast 2X Wash: 50% Zoom - Full Power - Fan set to ECO - White Mode Calibration OFF

TM-30 Details

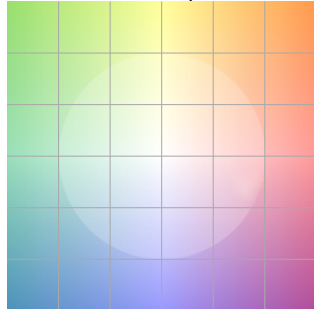
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

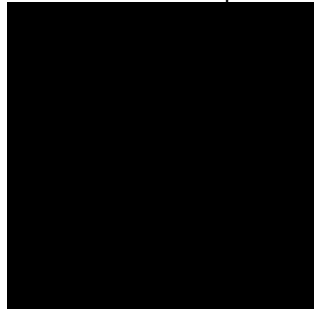
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



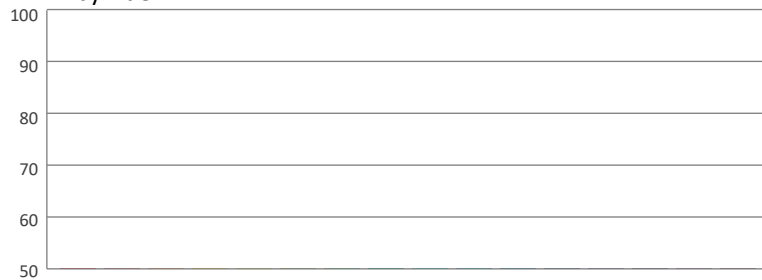
Color Vector Graphic



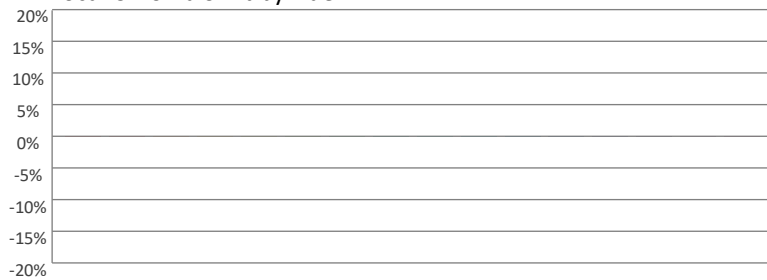
Color Distortion Graphic



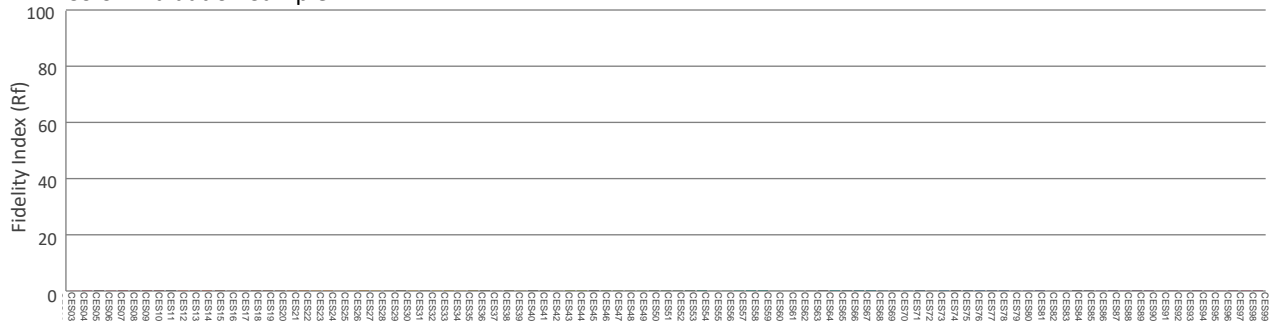
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Full - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 1574 lm

Fixture Peak: 15377 cd

Fixture Efficacy: 14 lm/W

Intensity @ 5m: 615 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 18.9°

Field Angle (10%): 26.7°

Cutoff Angle (3%): 30°

Conditions

AC Supply: 118 V, 60 Hz

Power: 110.4 W

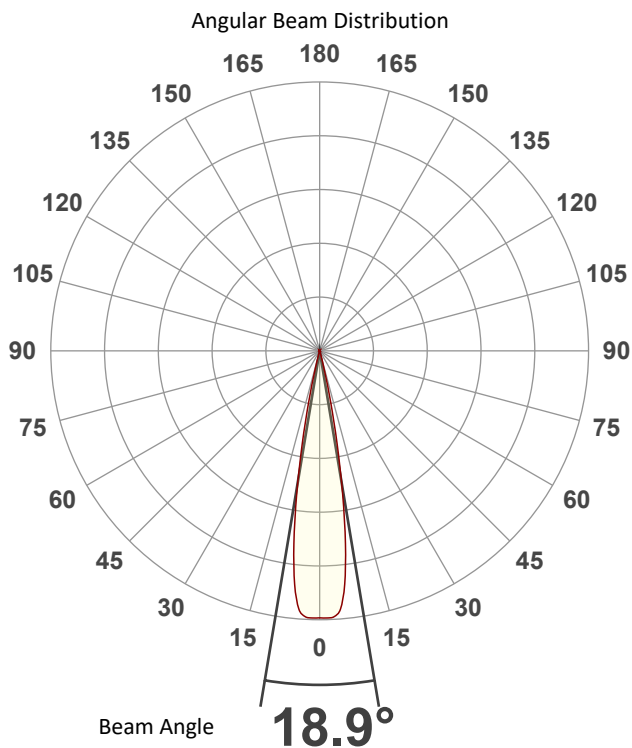
Current: 0.938 A

Power Factor: 0.99

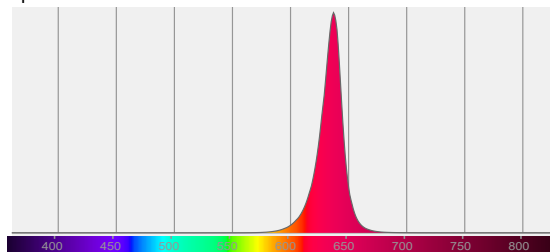


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Spectral Distribution



Tested Color (CIE 1931):

X: 0.700

Y: 0.299



Light Quality

CRI: 0.0

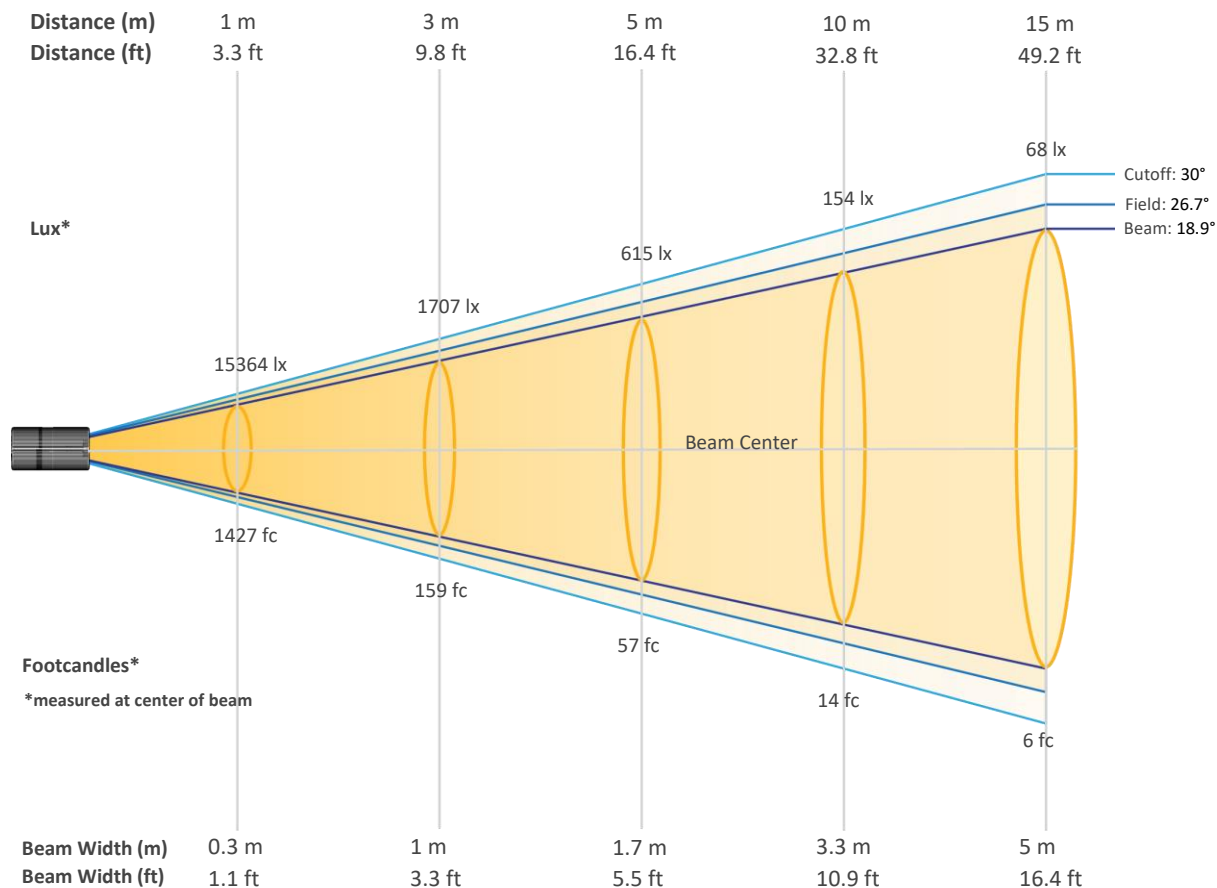
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Full - White Mode Calibration OFF

Beam Details

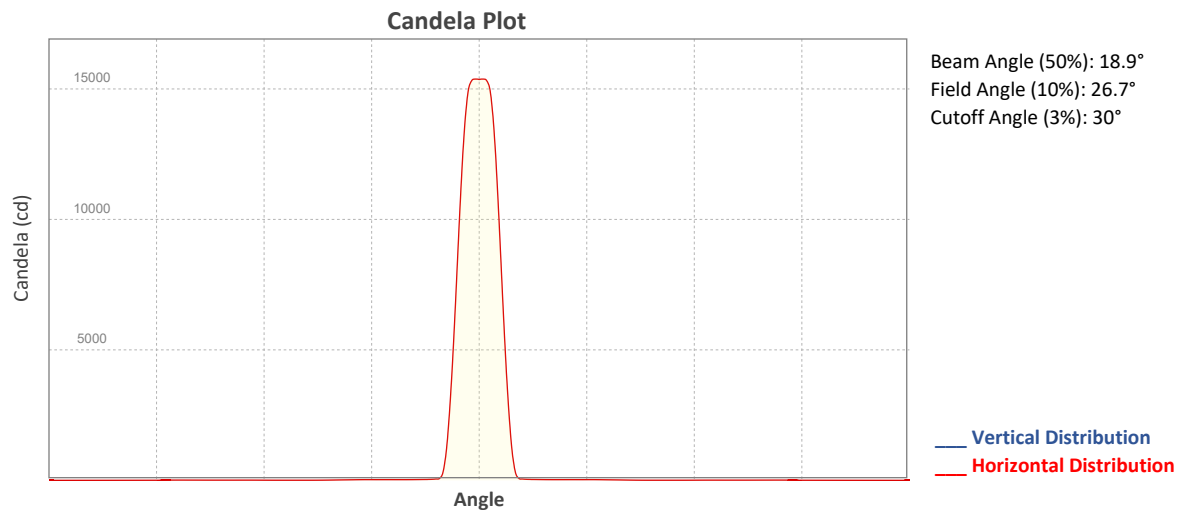


Beam Intensities from 1-20m (3.3-65.6ft)

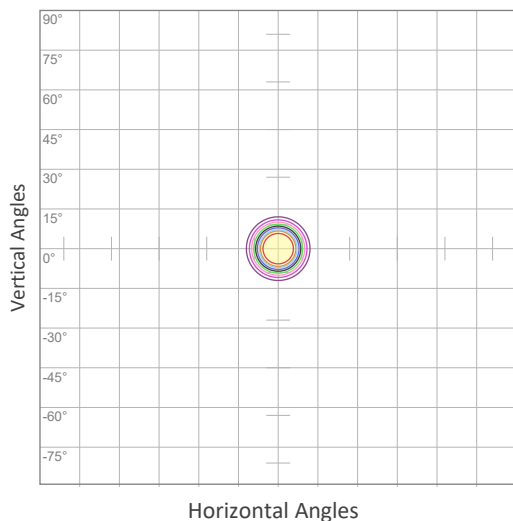
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15364	3841	1707	960	615	427	314	240	190	154
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	127	107	91	78	68	60	53	47	43	38
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1427	357	159	89	57	40	29	22	18	14
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	8	7	6	6	5	4	4	4

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Full - White Mode Calibration OFF



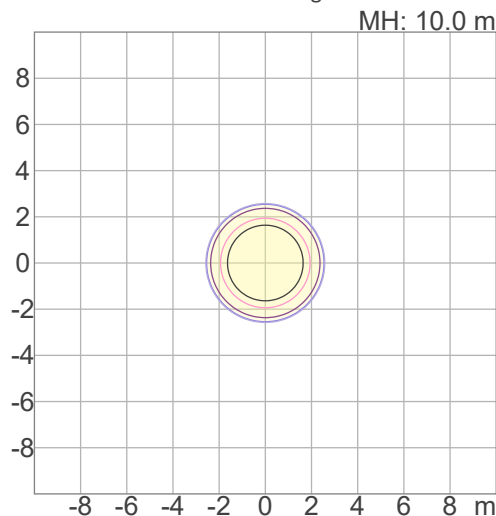
ISO Diagrams



ISO Candela Diagram

10%	1536 cd
20%	3073 cd
30%	4609 cd
40%	6146 cd
50%	7682 cd
60%	9219 cd
70%	10755 cd
80%	12291 cd
90%	13828 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 15364 cd



ISO Lux Diagram

3%	4.61 lx
5%	7.68 lx
10%	15.4 lx
30%	46.1 lx
50%	76.8 lx

Conditions:
 Number of c-planes: 2
 Candela at center: 154 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

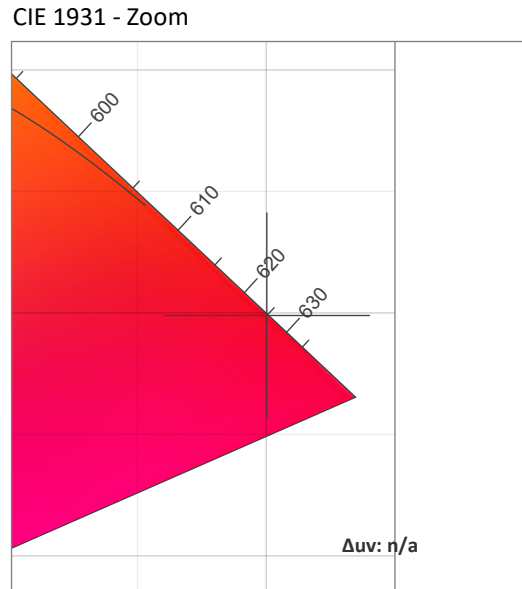
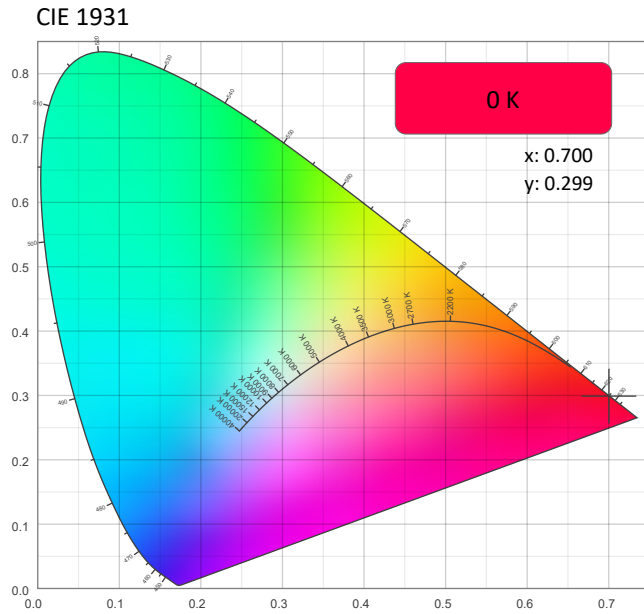
Mounting height: 10 meters / 33 feet



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Full - White Mode Calibration OFF

Chromaticity



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.700	0.299

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.299	0.540

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

Photometric & Chromaticity Report

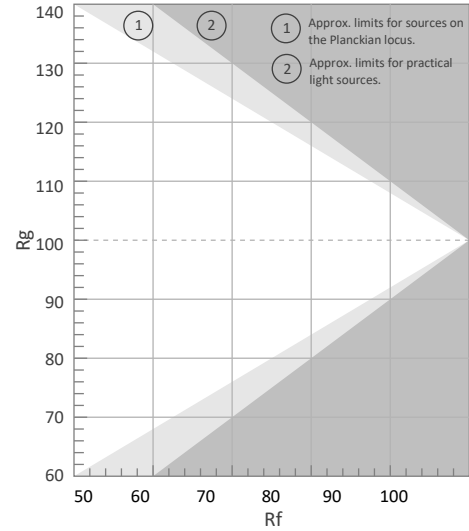
Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Full - White Mode Calibration OFF

TM-30 Details

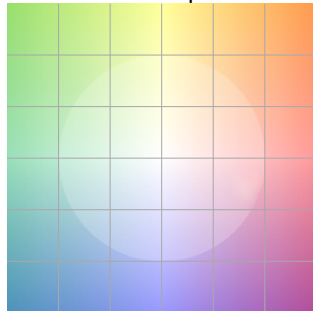
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

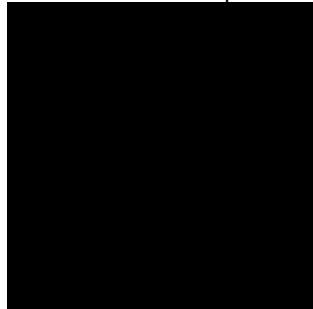
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



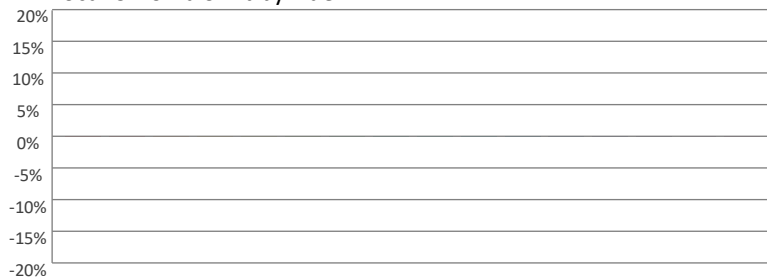
Color Distortion Graphic



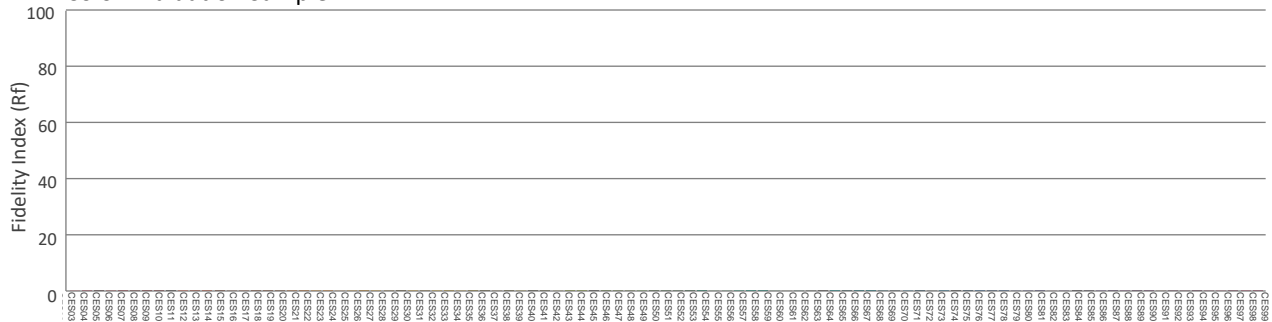
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Auto - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 1627 lm

Fixture Peak: 15787 cd

Fixture Efficacy: 15 lm/W

Intensity @ 5m: 631 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 18.9°

Field Angle (10%): 26.9°

Cutoff Angle (3%): 30.3°

Conditions

AC Supply: 118 V, 60 Hz

Power: 111.72 W

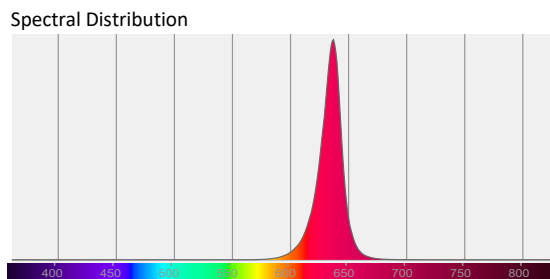
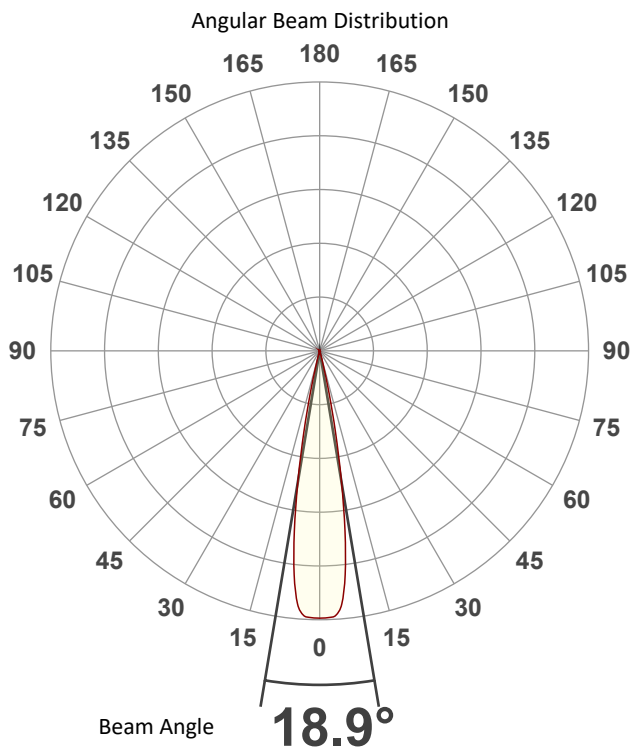
Current: 0.950 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.700

Y: 0.299



Light Quality

CRI: 0.0

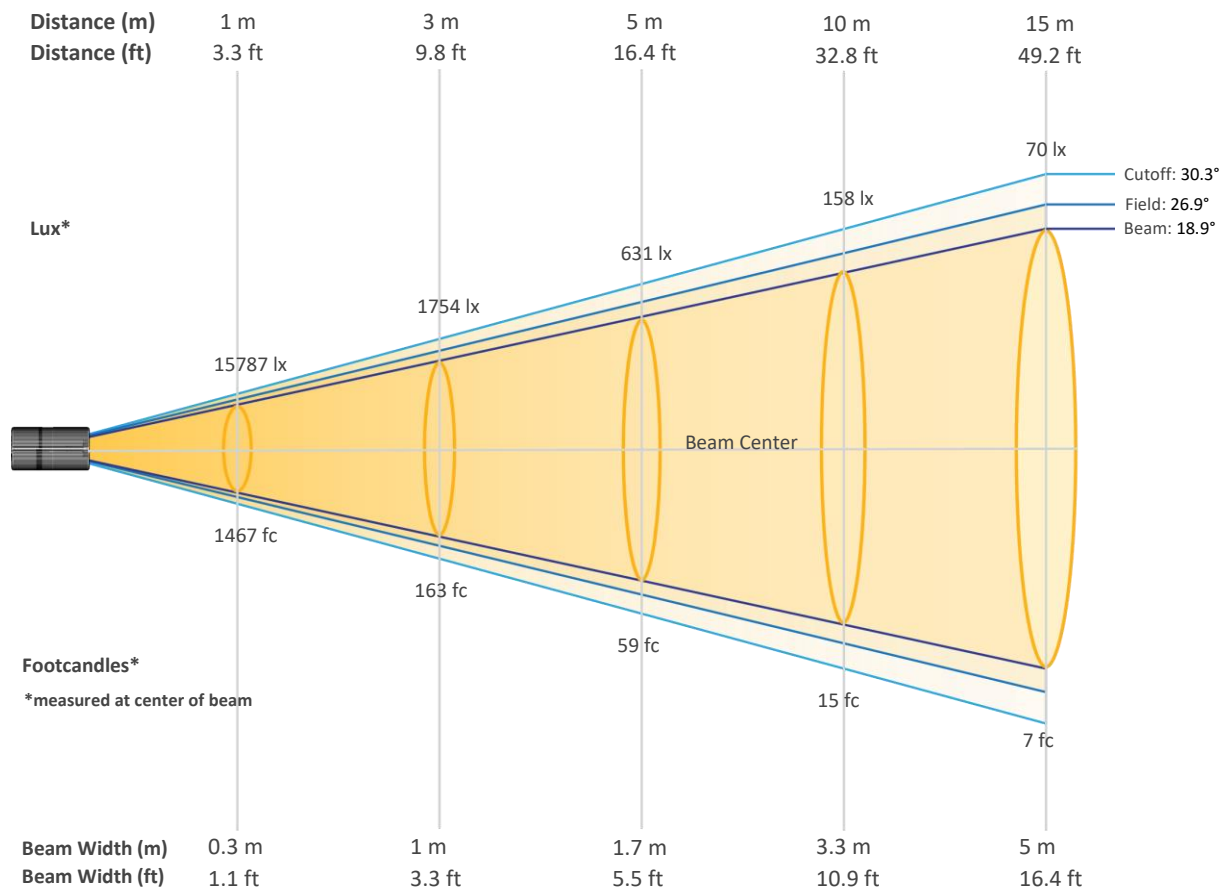
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Auto - White Mode Calibration OFF

Beam Details

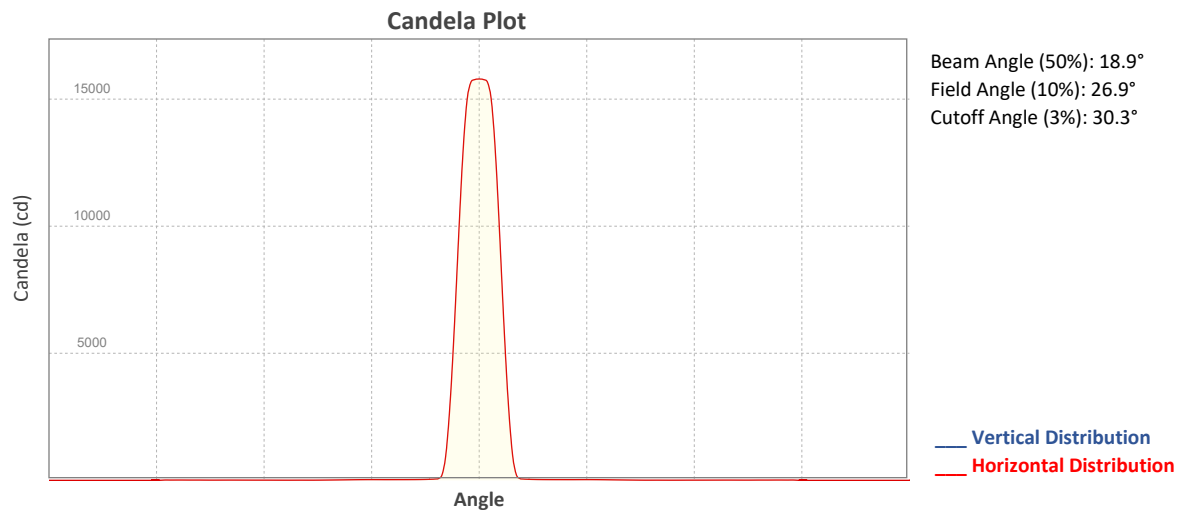


Beam Intensities from 1-20m (3.3-65.6ft)

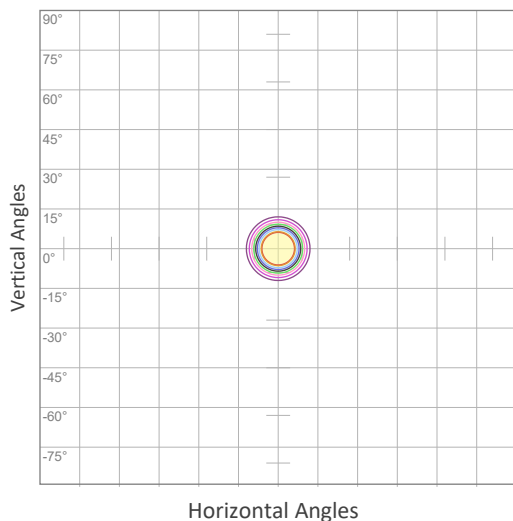
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15787	3947	1754	987	631	439	322	247	195	158
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	130	110	93	81	70	62	55	49	44	39
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1467	367	163	92	59	41	30	23	18	15
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	9	7	7	6	5	5	4	4

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Auto - White Mode Calibration OFF



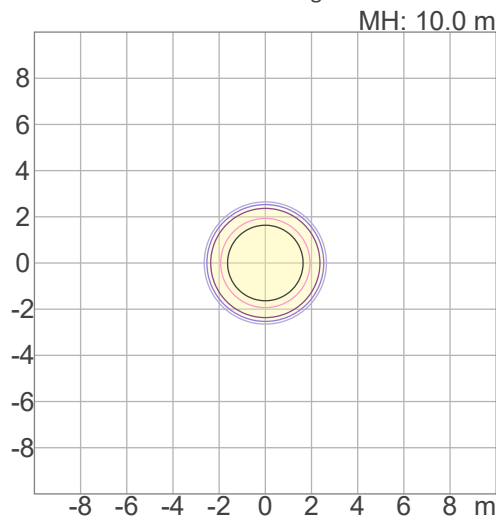
ISO Diagrams



ISO Candela Diagram

10%	1579 cd
20%	3157 cd
30%	4736 cd
40%	6315 cd
50%	7894 cd
60%	9472 cd
70%	11051 cd
80%	12630 cd
90%	14209 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 15787 cd



ISO Lux Diagram

3%	4.74 lx
5%	7.89 lx
10%	15.8 lx
30%	47.4 lx
50%	78.9 lx

Conditions:
 Number of c-planes: 2
 Candela at center: 158 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

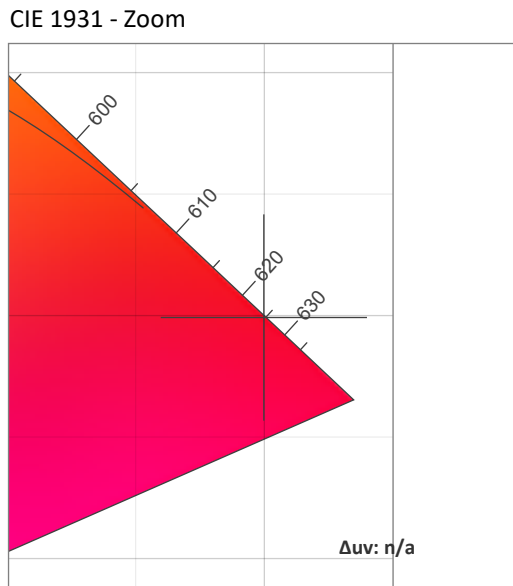
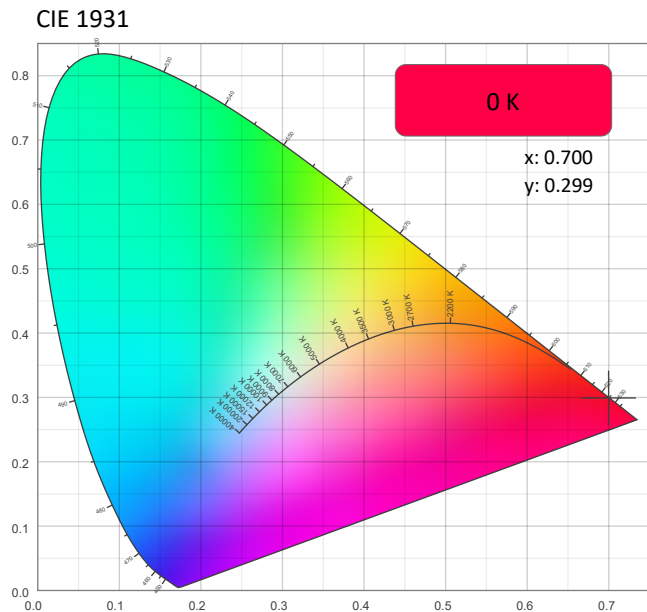
Mounting height: 10 meters / 33 feet



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Auto - White Mode Calibration OFF

Chromaticity



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.700	0.299

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.299	0.539

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

Photometric & Chromaticity Report

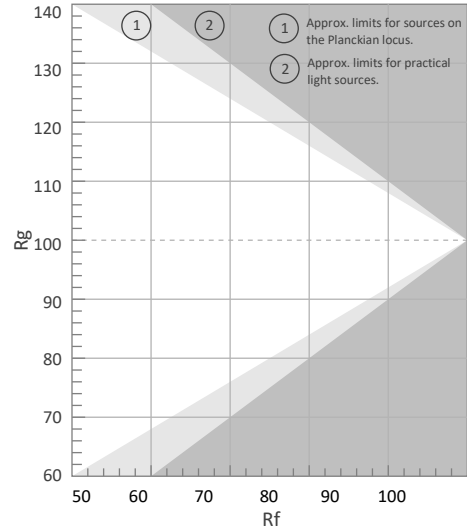
Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to Auto - White Mode Calibration OFF

TM-30 Details

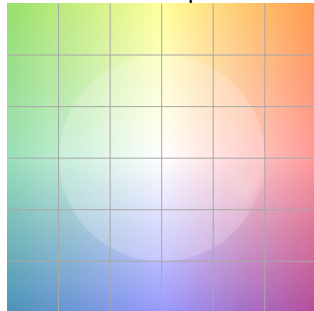
Rf 0.0
Fidelity Index
(Rg)

Rg 0.0
Gammut Index (Rg)

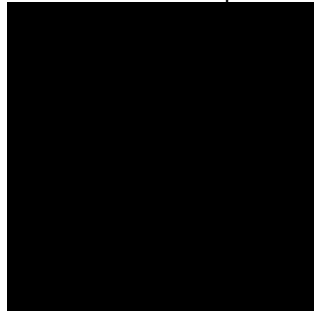
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



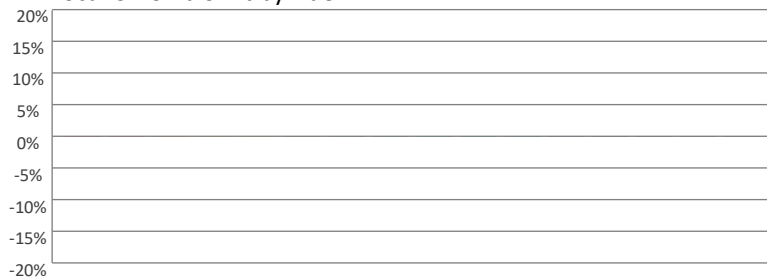
Color Distortion Graphic



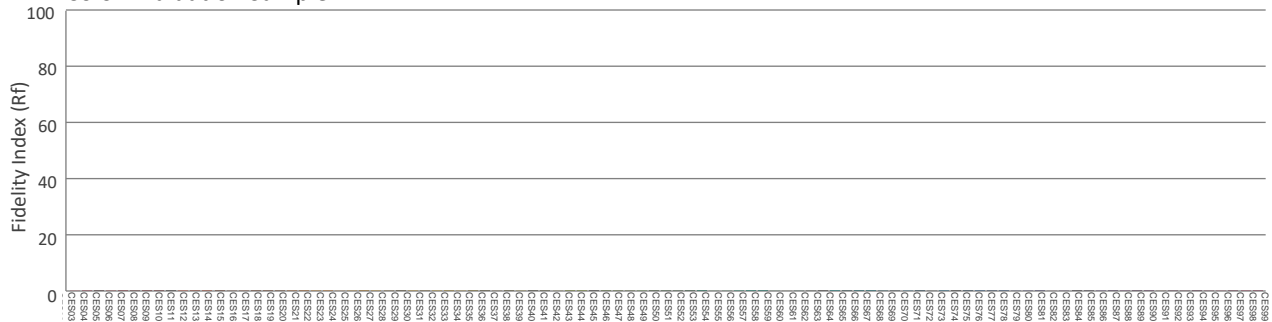
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to ECO - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 1595 lm

Fixture Peak: 15563 cd

Fixture Efficacy: 15 lm/W

Intensity @ 5m: 623 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 18.9°

Field Angle (10%): 26.8°

Cutoff Angle (3%): 30.2°

Conditions

AC Supply: 118 V, 60.1 Hz

Power: 110.63 W

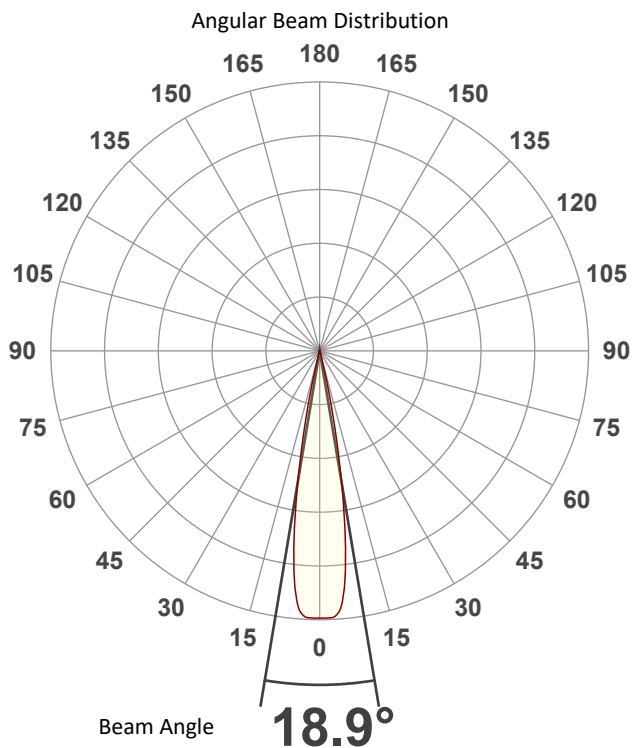
Current: 0.939 A

Power Factor: 0.99

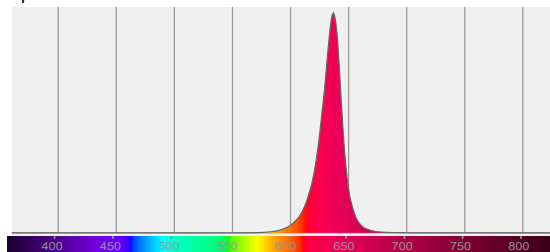


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Spectral Distribution



Tested Color (CIE 1931):

X: 0.700

Y: 0.299



Light Quality

CRI: 0.0

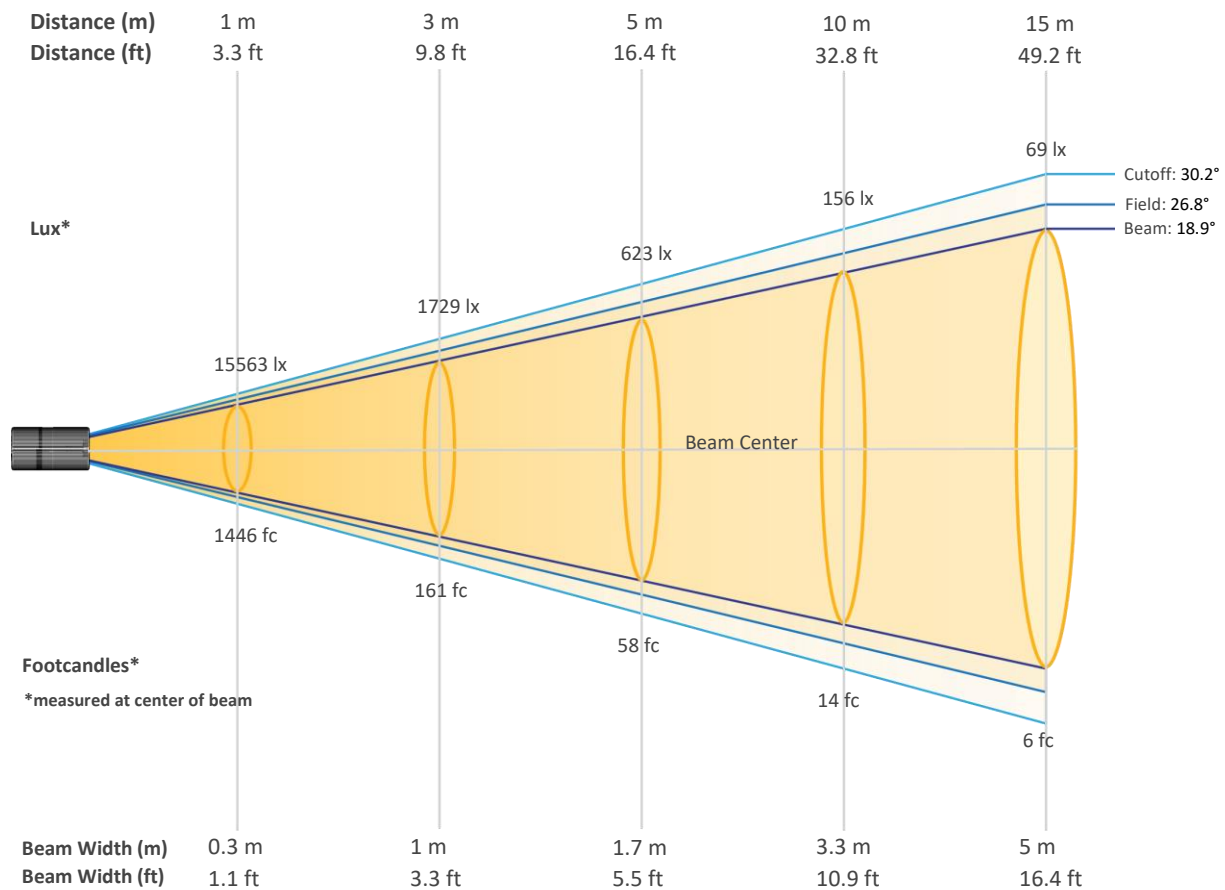
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to ECO - White Mode Calibration OFF

Beam Details

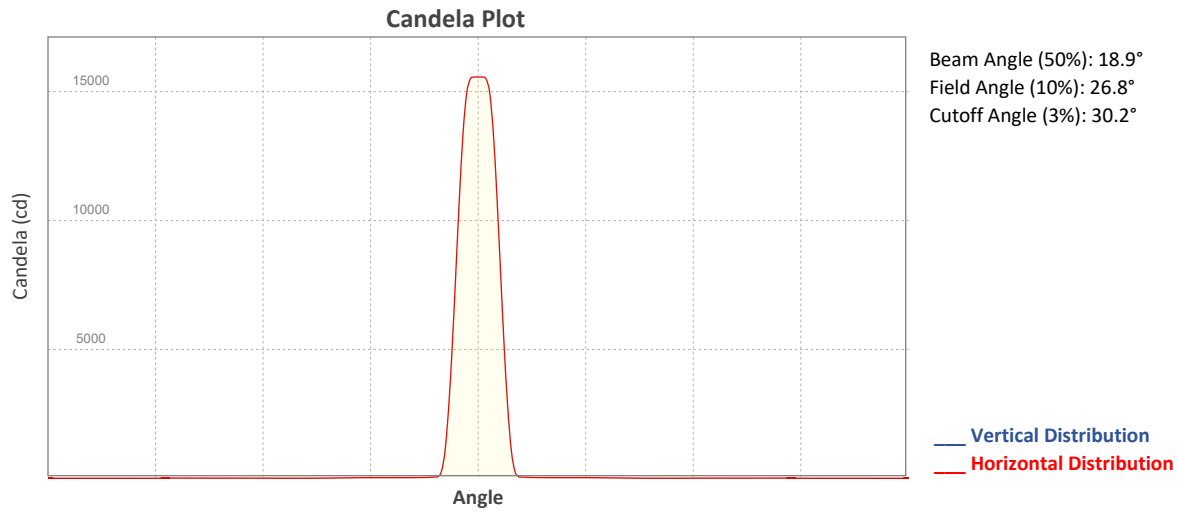


Beam Intensities from 1-20m (3.3-65.6ft)

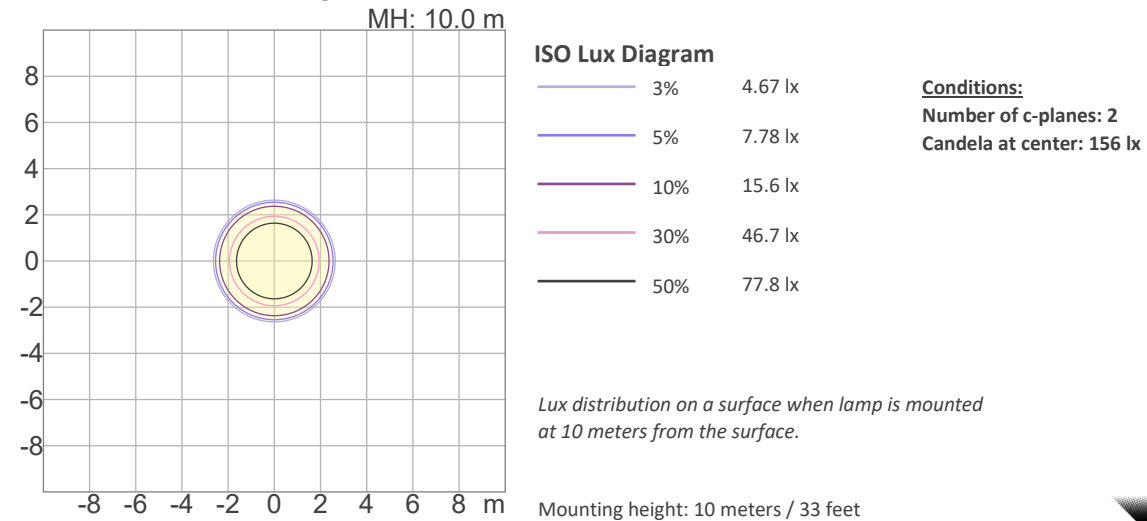
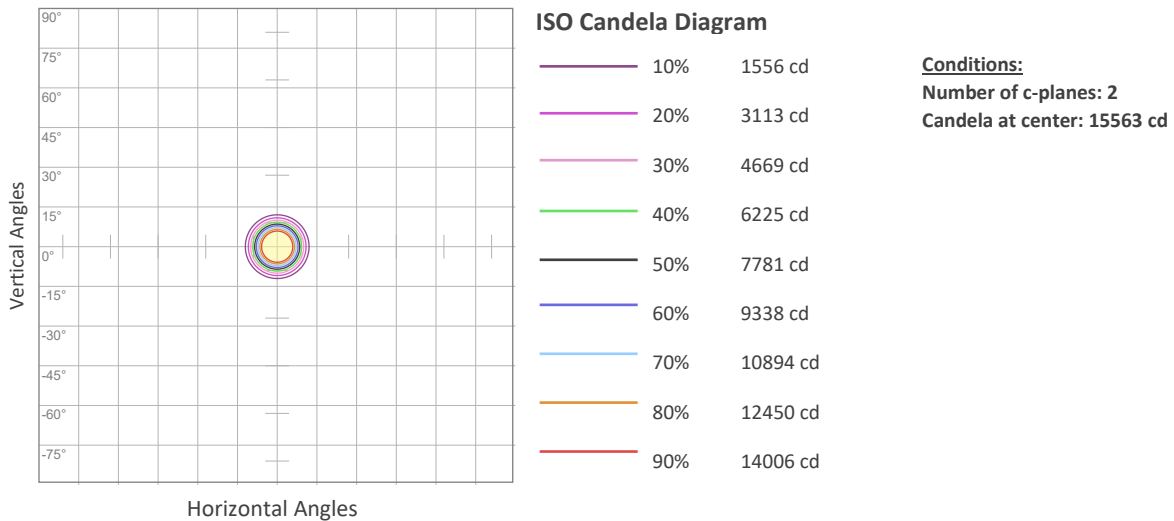
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15563	3891	1729	973	623	432	318	243	192	156
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	129	108	92	79	69	61	54	48	43	39
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1446	361	161	90	58	40	30	23	18	14
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	9	7	6	6	5	4	4	4

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to ECO - White Mode Calibration OFF



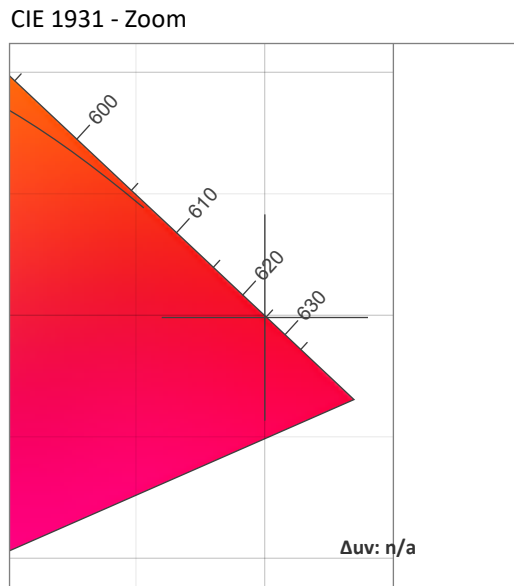
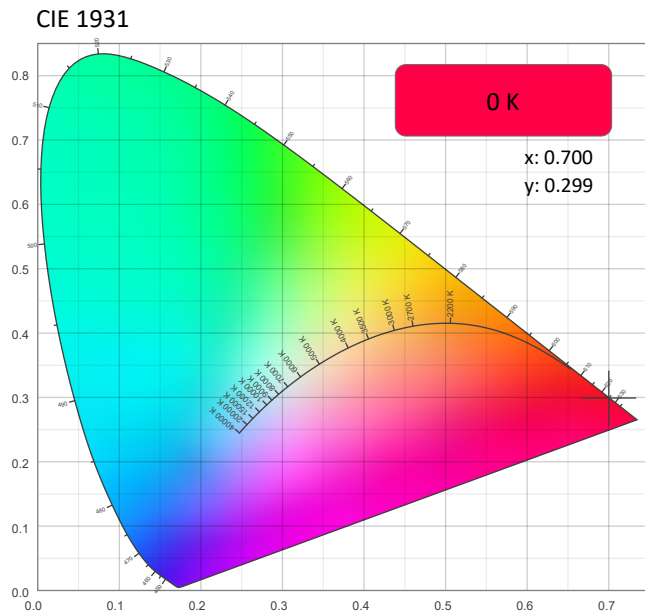
ISO Diagrams



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to ECO - White Mode Calibration OFF

Chromaticity



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.700	0.299

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.299	0.540

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0



Photometric & Chromaticity Report

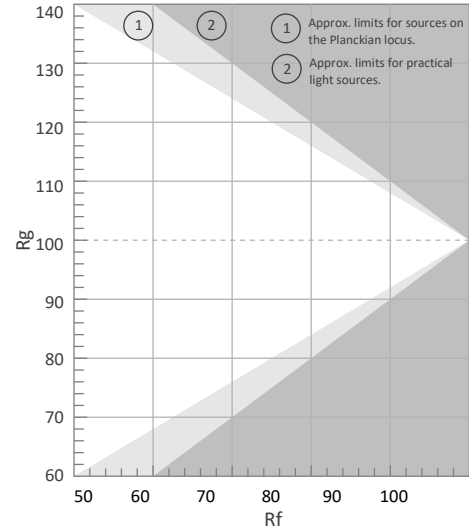
Rogue Outcast 2X Wash: 50% Zoom - Red Only - Fan set to ECO - White Mode Calibration OFF

TM-30 Details

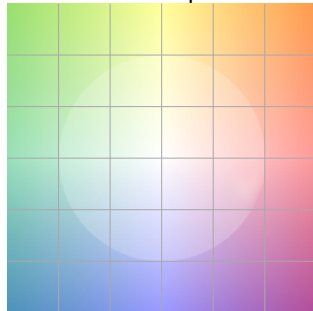
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

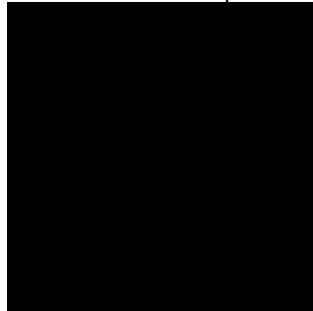
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



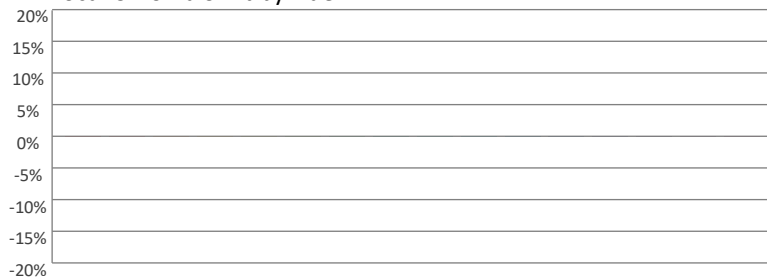
Color Distortion Graphic



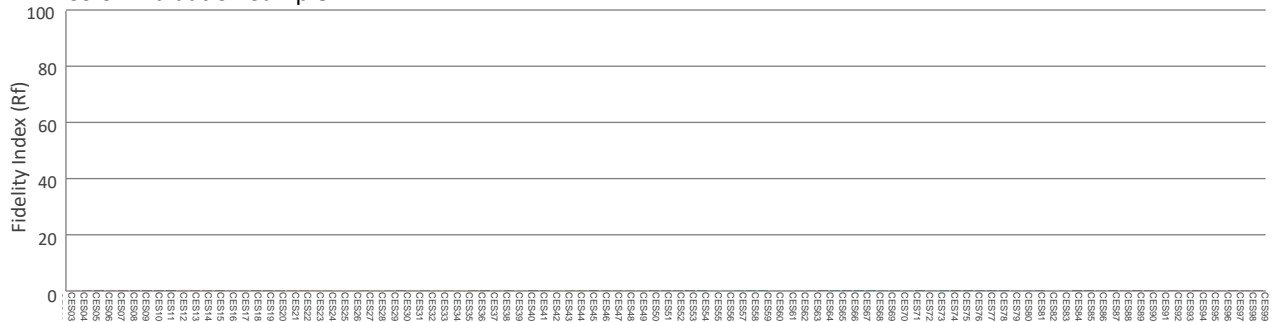
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Full - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 2826 lm
Fixture Peak: 28675 cd
Fixture Efficacy: 20 lm/W
Intensity @ 5m: 1146 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCl: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 18.6°
Field Angle (10%): 26.4°
Cutoff Angle (3%): 29.8°

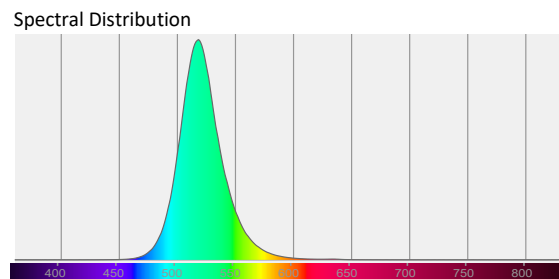
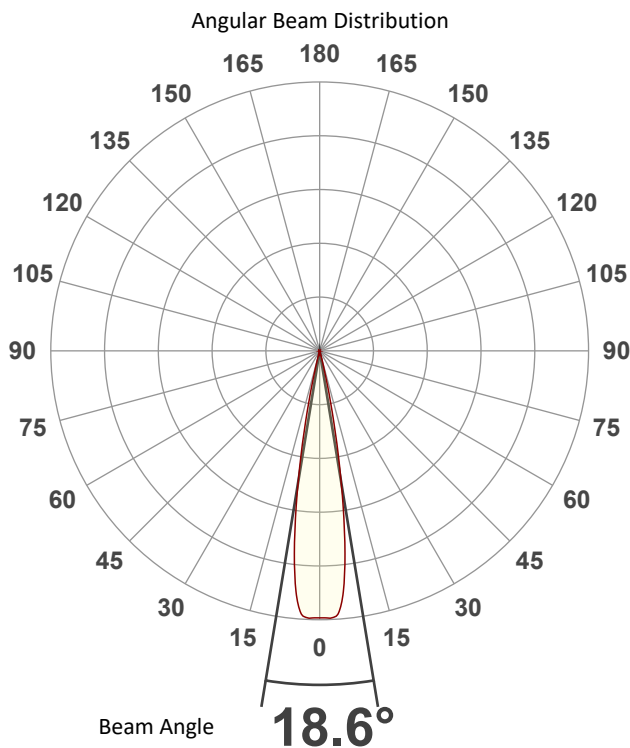


Conditions

AC Supply: 117 V, 60 Hz
Power: 141.82 W
Current: 1.21 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.151

Y: 0.707



Light Quality

CRI: 0.0

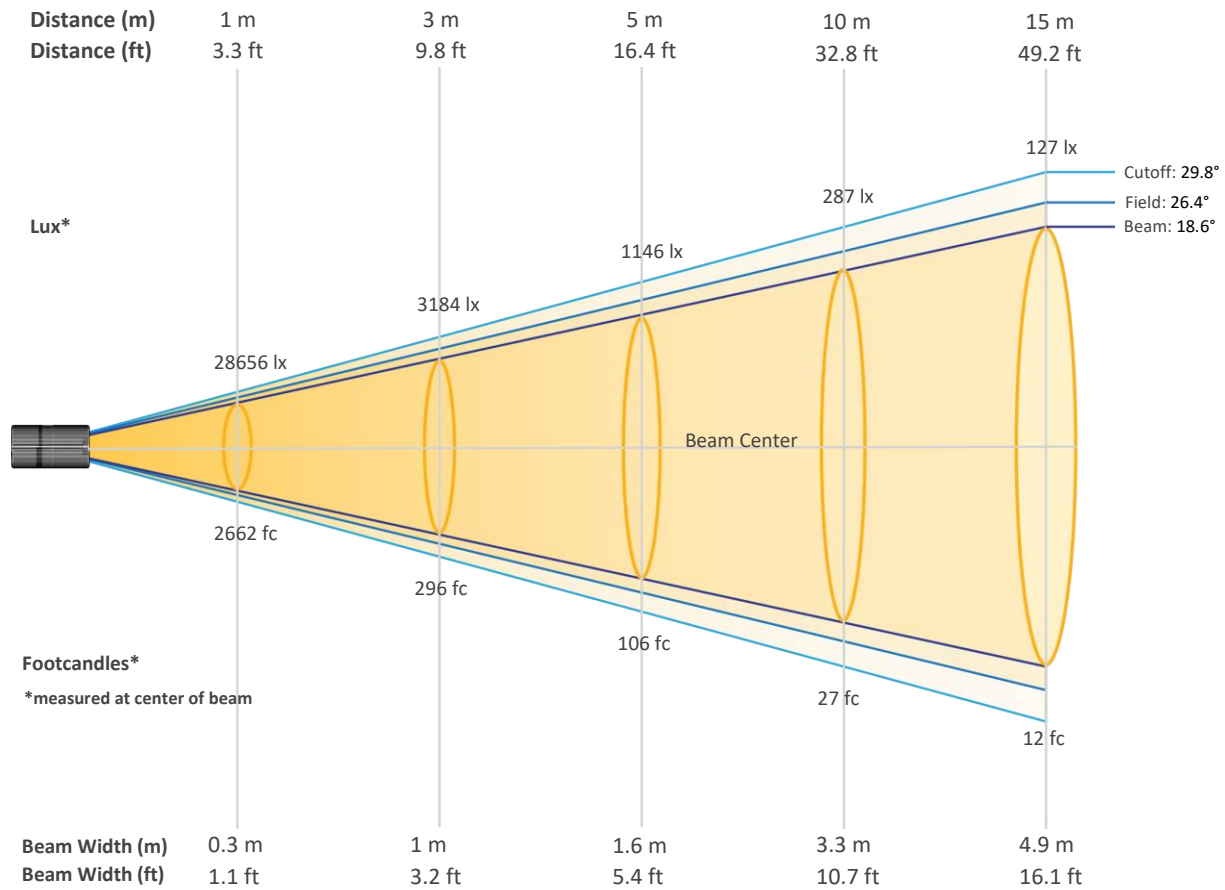
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Full - White Mode Calibration OFF

Beam Details

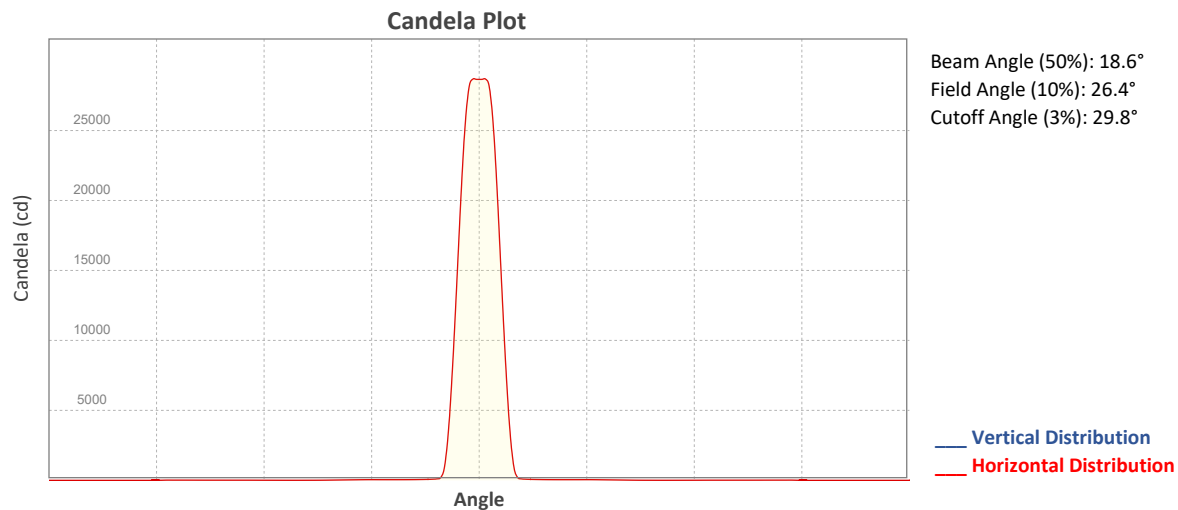


Beam Intensities from 1-20m (3.3-65.6ft)

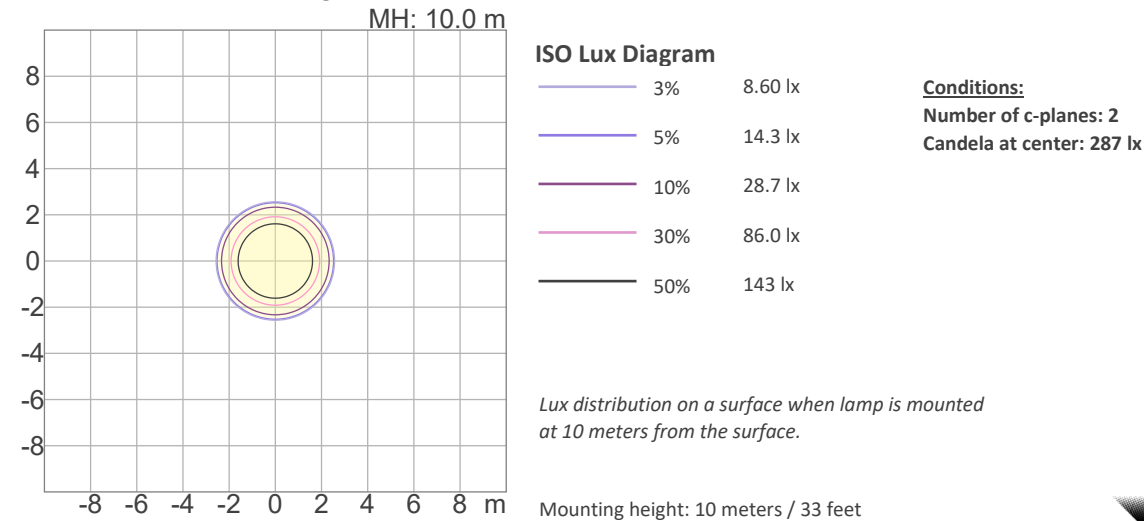
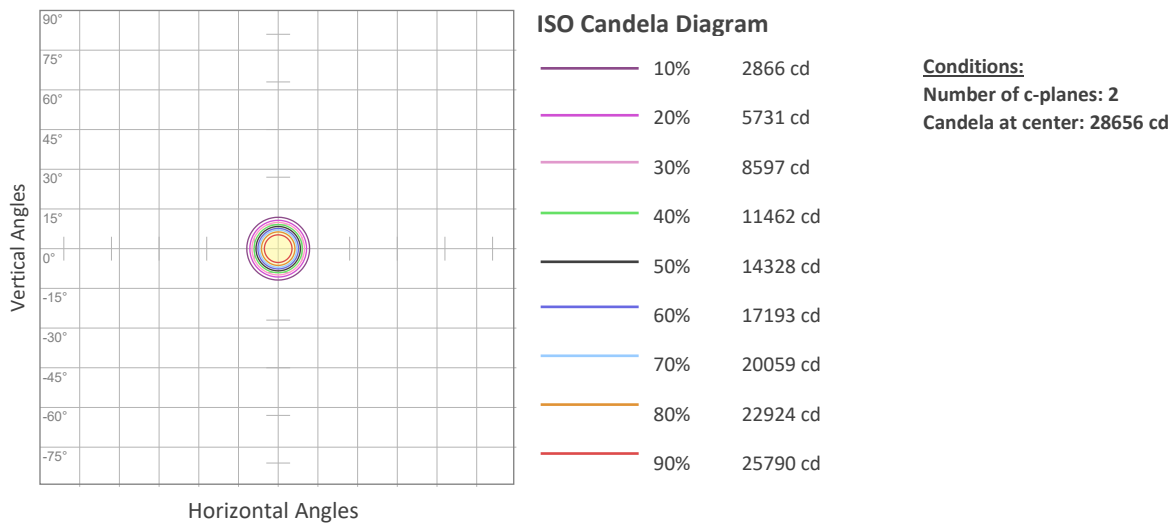
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	28656	7164	3184	1791	1146	796	585	448	354	287
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	237	199	170	146	127	112	99	88	79	72
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2662	666	296	166	106	74	54	42	33	27
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	22	18	16	14	12	10	9	8	7	7

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Full - White Mode Calibration OFF



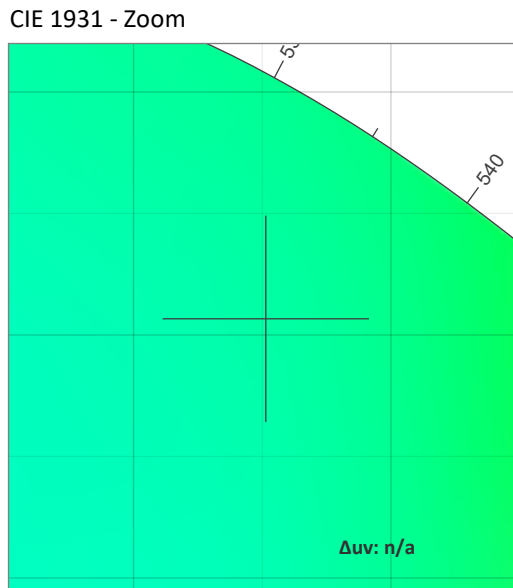
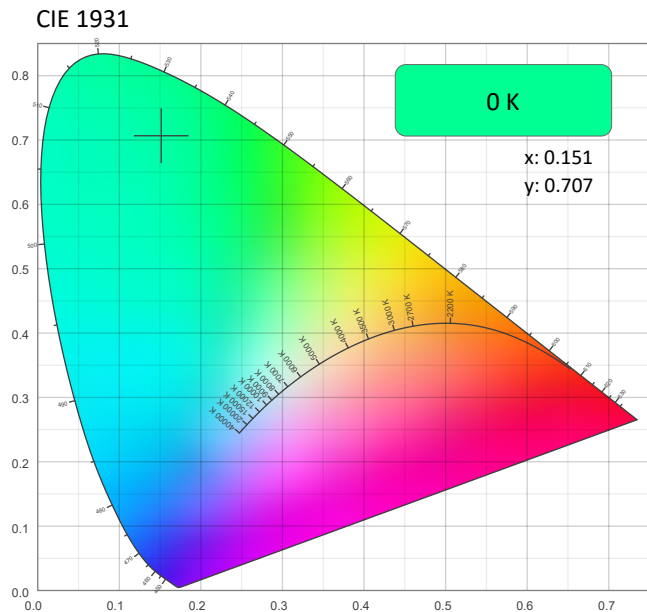
ISO Diagrams



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Full - White Mode Calibration OFF

Chromaticity



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.151	0.707

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.707	0.054

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

Photometric & Chromaticity Report

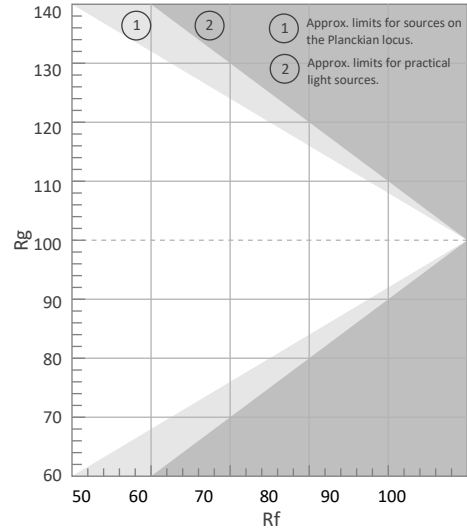
Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Full - White Mode Calibration OFF

TM-30 Details

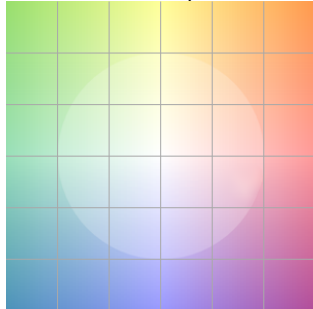
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



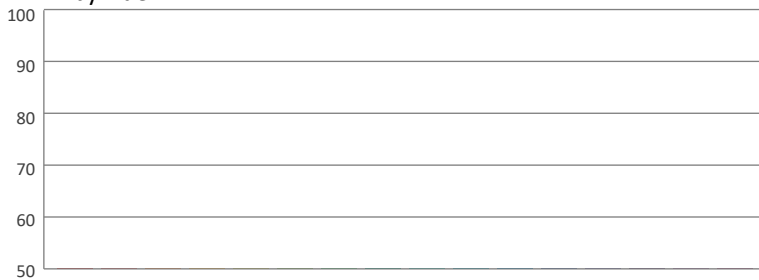
Color Vector Graphic



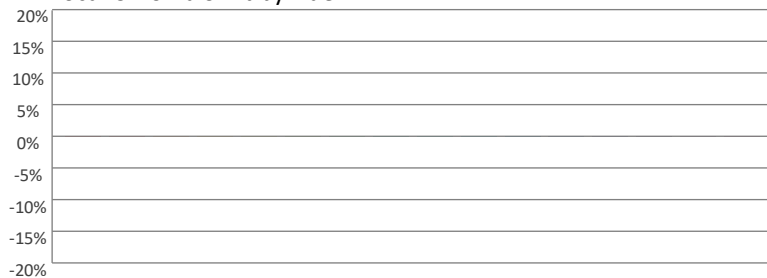
Color Distortion Graphic



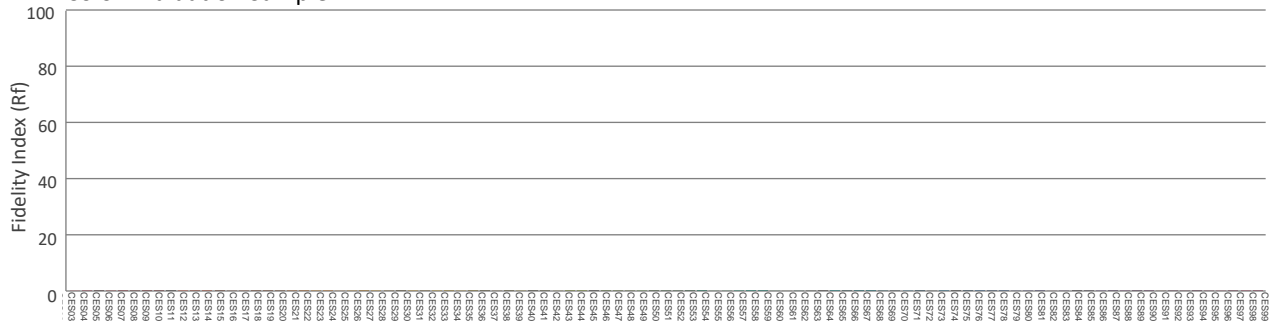
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Auto - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 2845 lm

Fixture Peak: 29010 cd

Fixture Efficacy: 20 lm/W

Intensity @ 5m: 1156 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 18.6°

Field Angle (10%): 26.3°

Cutoff Angle (3%): 29.4°

Conditions

AC Supply: 117 V, 60 Hz

Power: 142.67 W

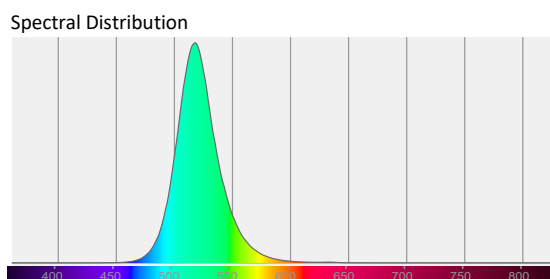
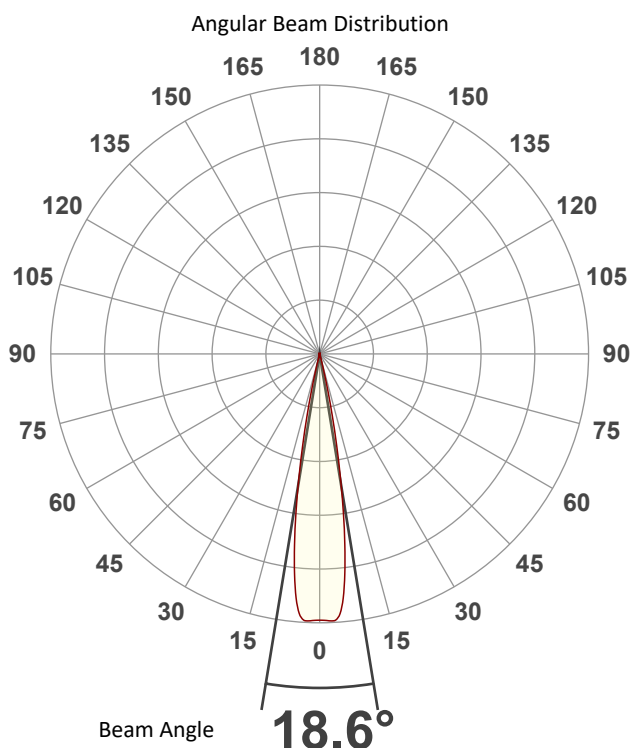
Current: 1.22 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.150

Y: 0.707



Light Quality

CRI: 0.0

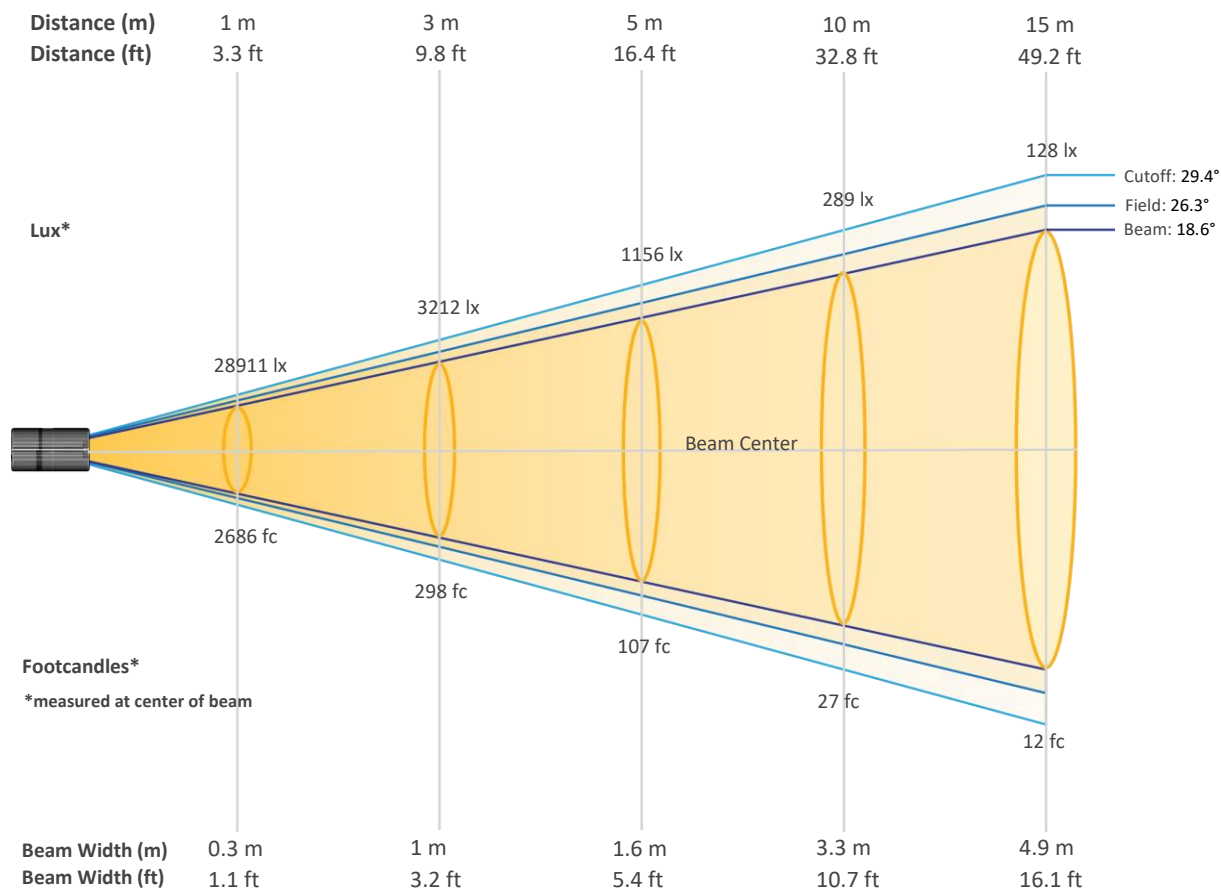
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Auto - White Mode Calibration OFF

Beam Details

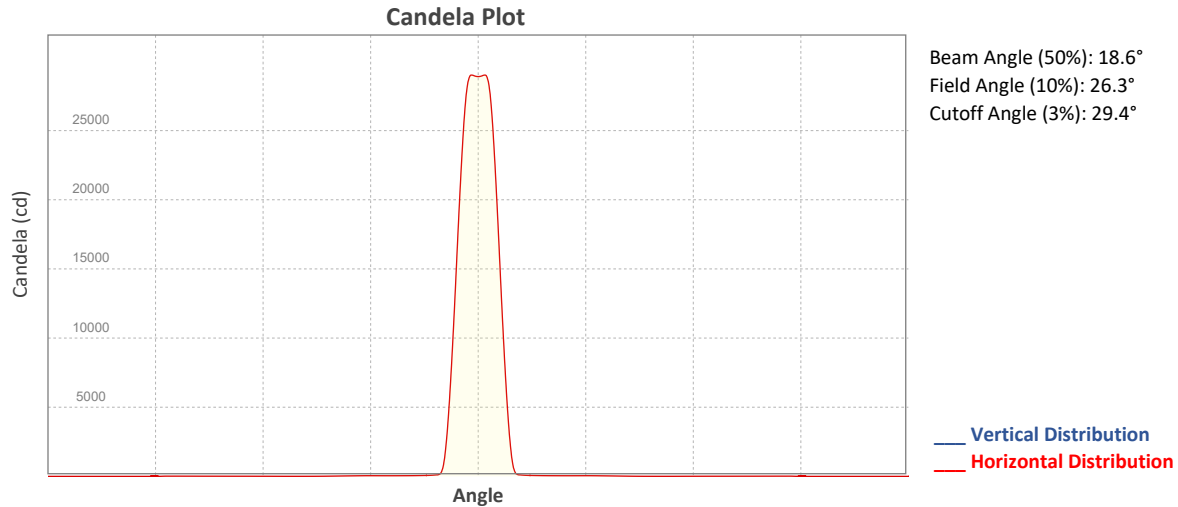


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	28911	7228	3212	1807	1156	803	590	452	357	289
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	239	201	171	148	128	113	100	89	80	72
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2686	671	298	168	107	75	55	42	33	27
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	22	19	16	14	12	10	9	8	7	7

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Auto - White Mode Calibration OFF



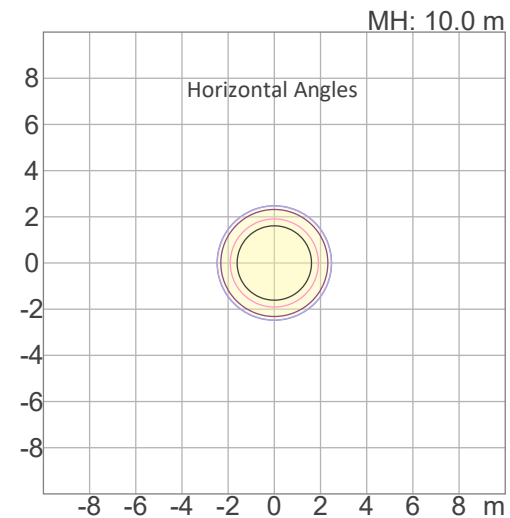
ISO Diagrams



ISO Candela Diagram

10%	2891 cd
20%	5782 cd
30%	8673 cd
40%	11564 cd
50%	14455 cd
60%	17347 cd
70%	20238 cd
80%	23129 cd
90%	26020 cd

Conditions:
Number of c-planes: 2
Candela at center: 28911 cd



ISO Lux Diagram

3%	8.67 lx
5%	14.5 lx
10%	28.9 lx
30%	86.7 lx
50%	145 lx

Conditions:
Number of c-planes: 2
Candela at center: 289 lx

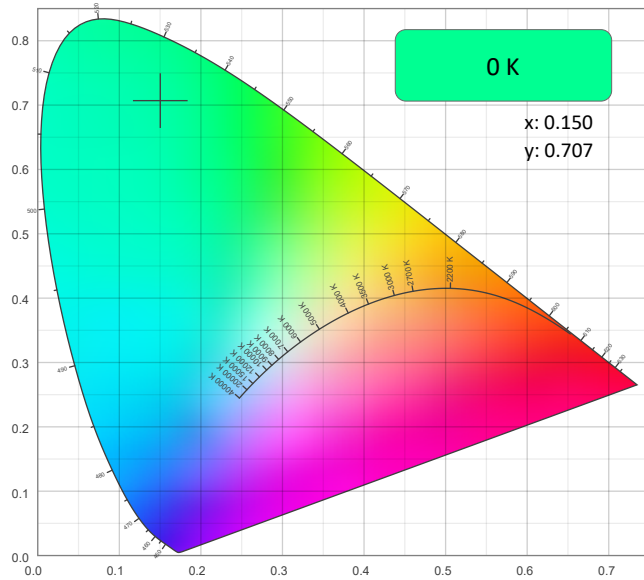
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Photometric & Chromaticity Report

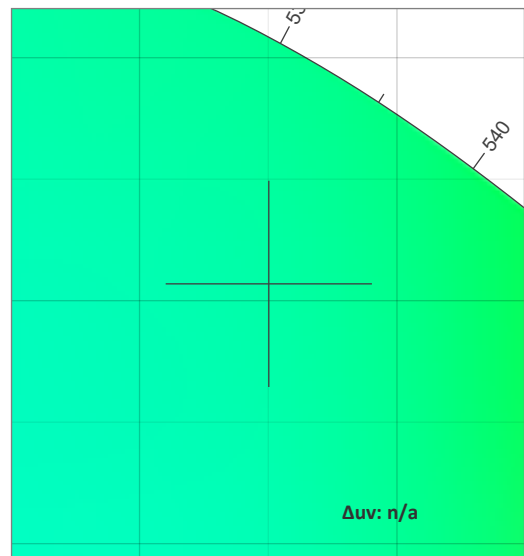
Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Auto - White Mode Calibration OFF

Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

CQS: 0.0

Color Temperature CCT	Color Coordinate CIE 1931 x	Color Coordinate CIE 1931 y
0 K	0.150	0.707

Color Deviation from Black Body Curve	Color Coordinate CIE 1964 y	Color Coordinate CIE 1964 u
Δuv n/a	0.707	0.054

Color Rendering Index	Red Component	Color Quality Scale
CRI 0.0	CRI - R9 0.0	CQS 0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to Auto - White Mode Calibration OFF

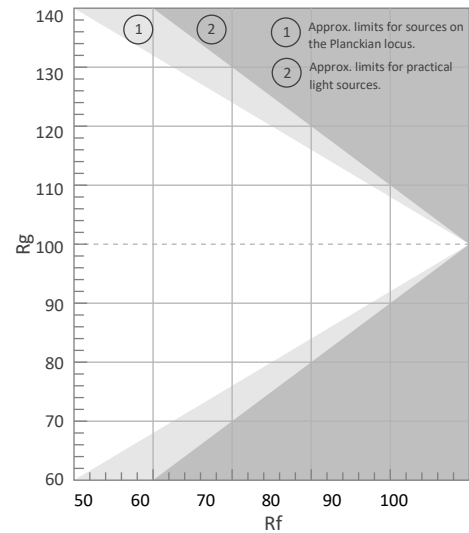
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

TM-30 Details

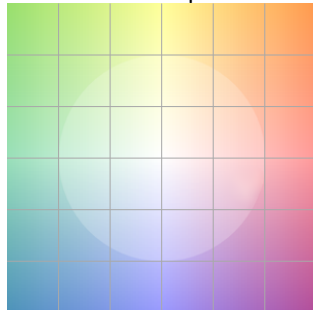
Rf 0.0
Fidelity Index
(Rg)

Rg 0.0
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



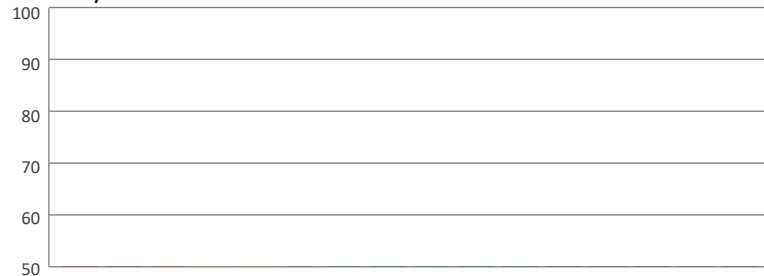
Color Vector Graphic



Color Distortion Graphic



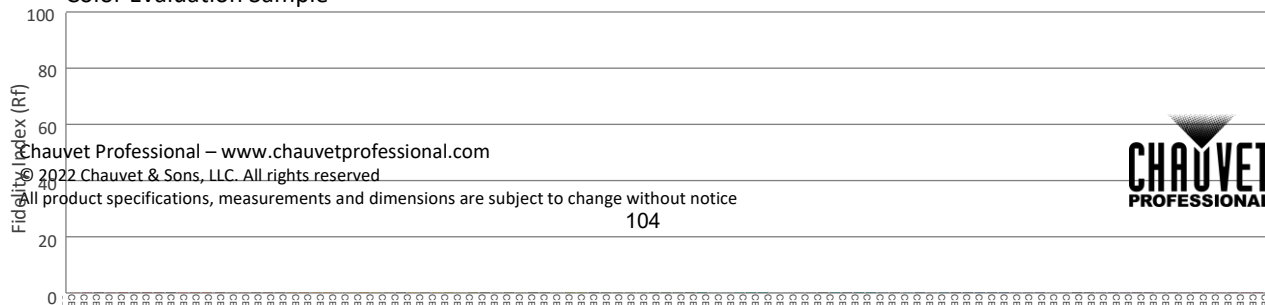
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to ECO - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 2836 lm
Fixture Peak: 28783 cd
Fixture Efficacy: 21 lm/W
Intensity @ 5m: 1146 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 18.6°
Field Angle (10%): 26.5°
Cutoff Angle (3%): 29.9°

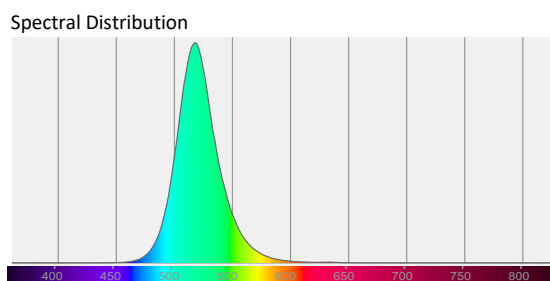
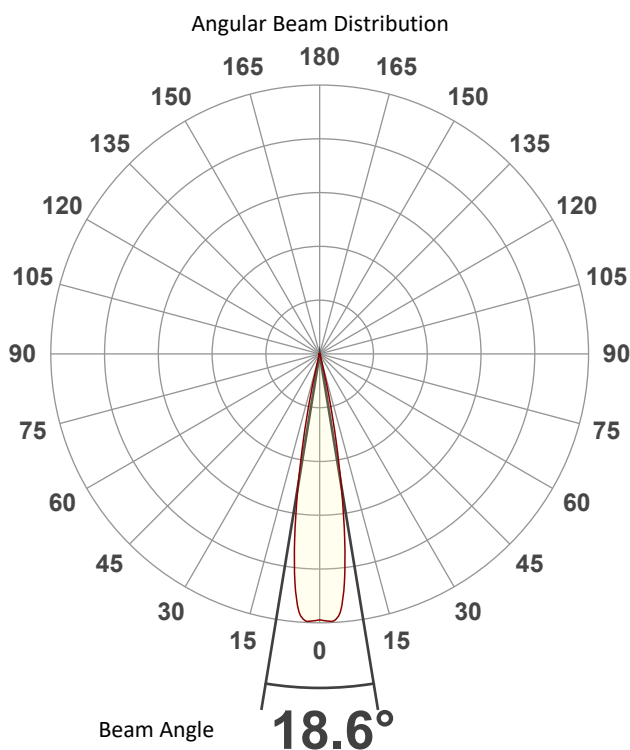
Conditions

AC Supply: 118 V, 60 Hz
Power: 139.67 W
Current: 1.19 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.151

Y: 0.707



Light Quality

CRI: 0.0

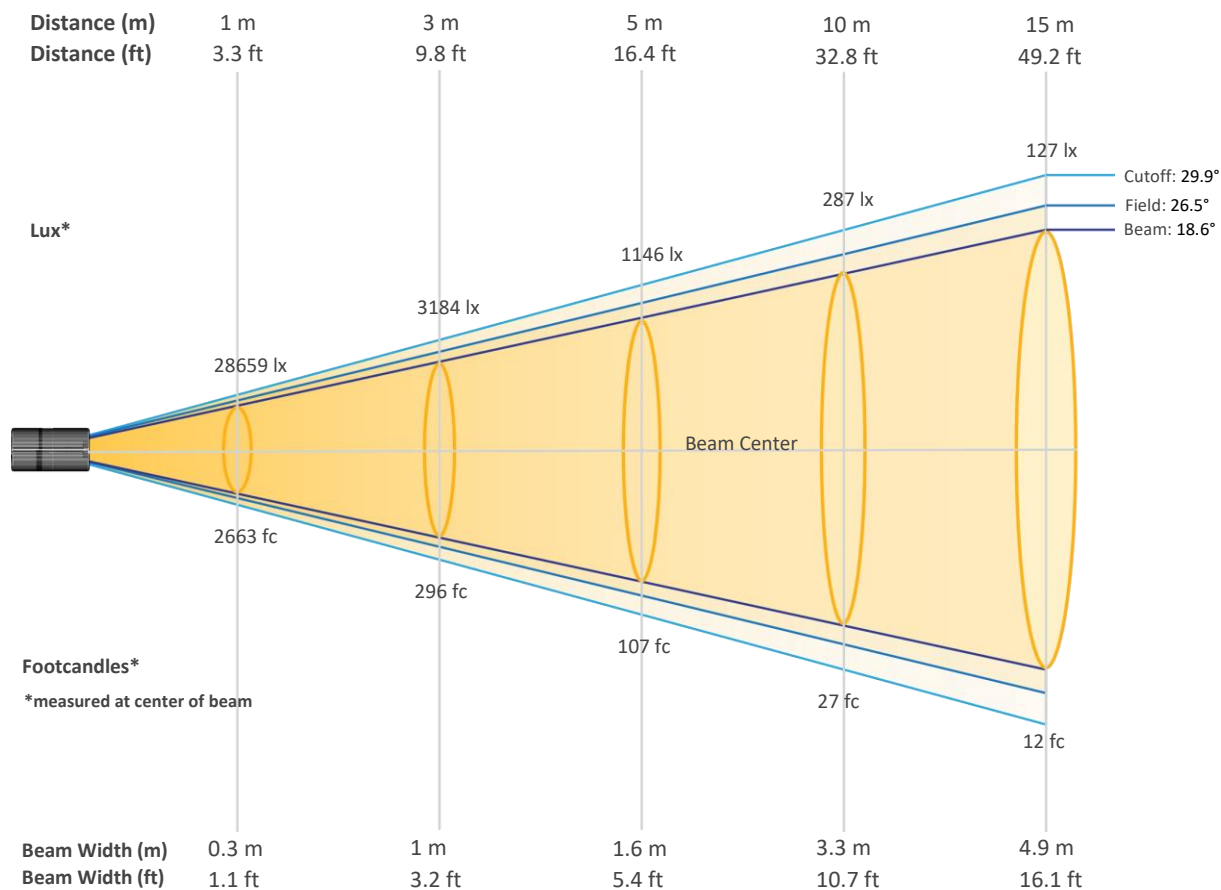
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to ECO - White Mode Calibration OFF

Beam Details

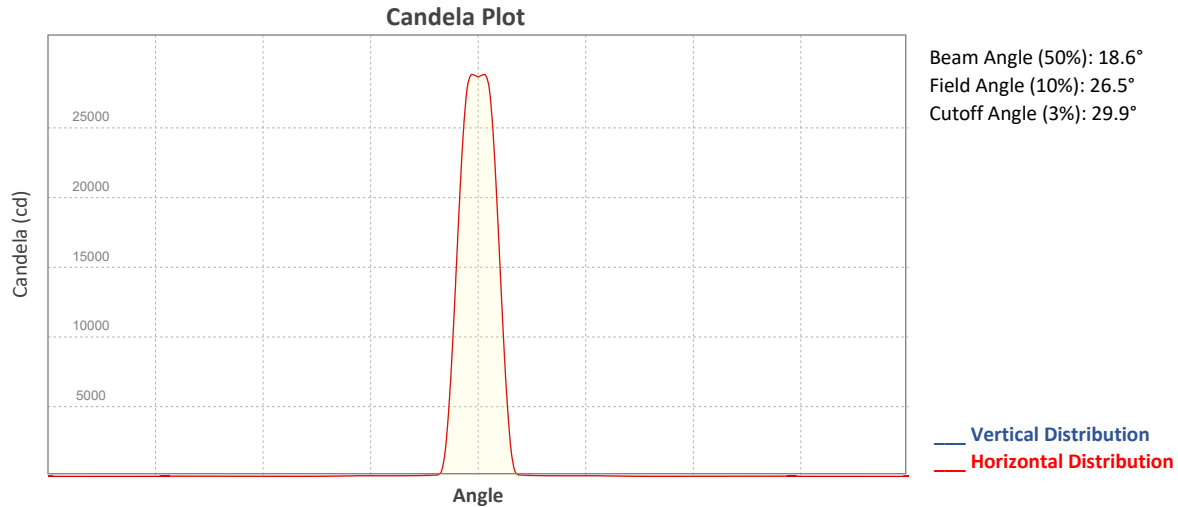


Beam Intensities from 1-20m (3.3-65.6ft)

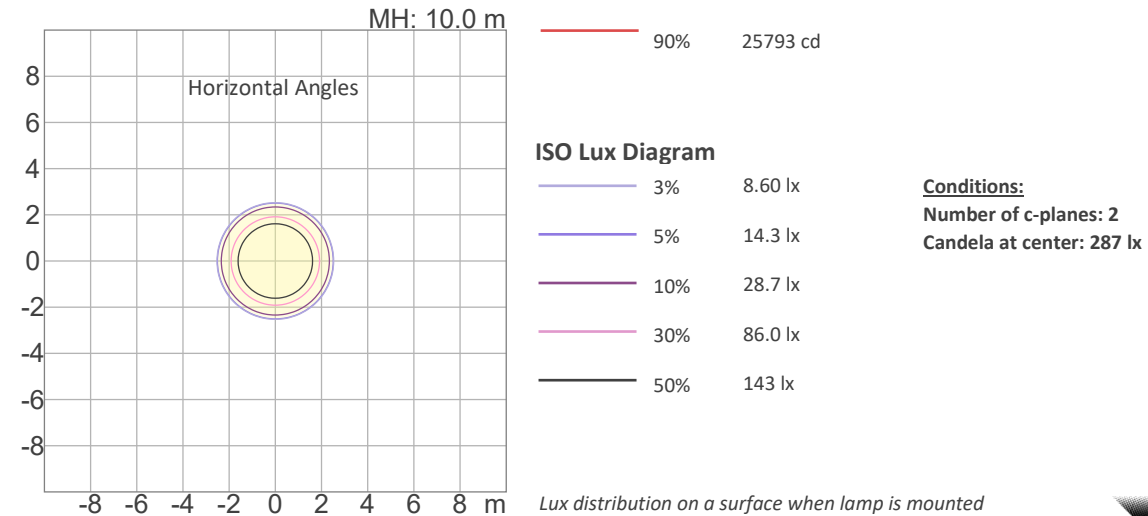
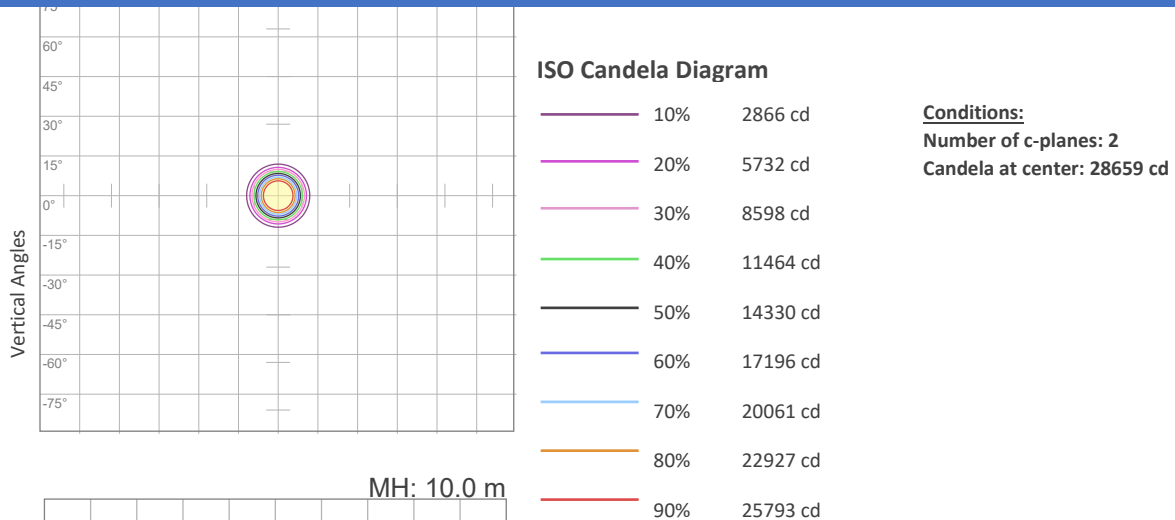
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	28659	7165	3184	1791	1146	796	585	448	354	287
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	237	199	170	146	127	112	99	88	79	72
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2663	666	296	166	107	74	54	42	33	27
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	22	18	16	14	12	10	9	8	7	7

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to ECO - White Mode Calibration OFF



ISO Diagrams



Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Green Only - Fan set to ECO - White Mode Calibration OFF

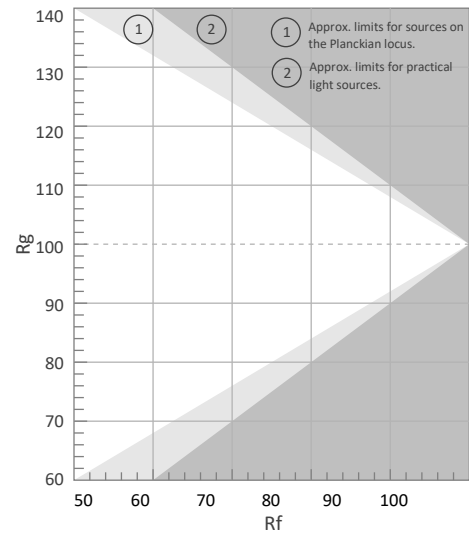
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

TM-30 Details

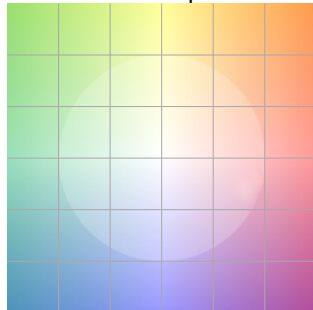
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

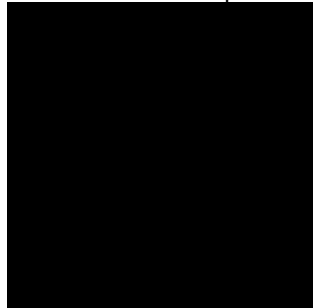
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



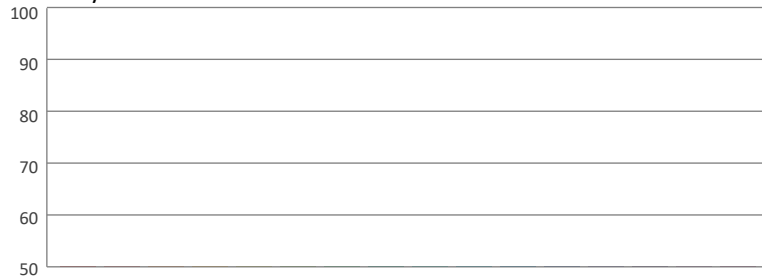
Color Vector Graphic



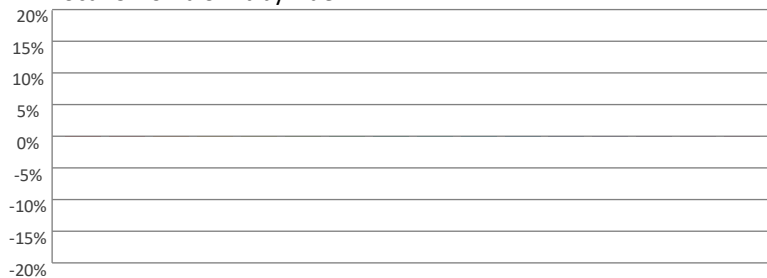
Color Distortion Graphic



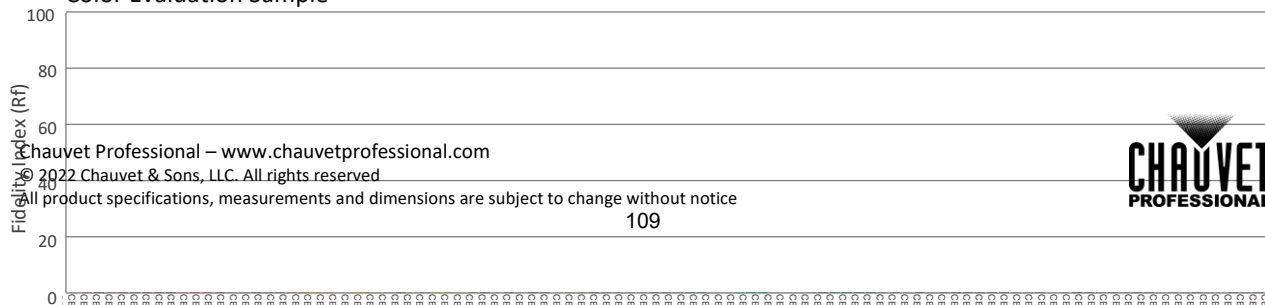
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to Full - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 752 lm

Fixture Peak: 7737 cd

Fixture Efficacy: 6 lm/W

Intensity @ 5m: 309 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 18.3°

Field Angle (10%): 26°

Cutoff Angle (3%): 29.3°

Conditions

AC Supply: 117 V, 60 Hz

Power: 127.99 W

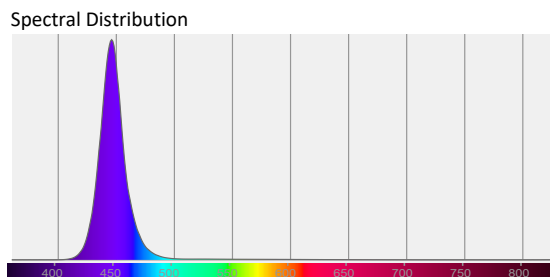
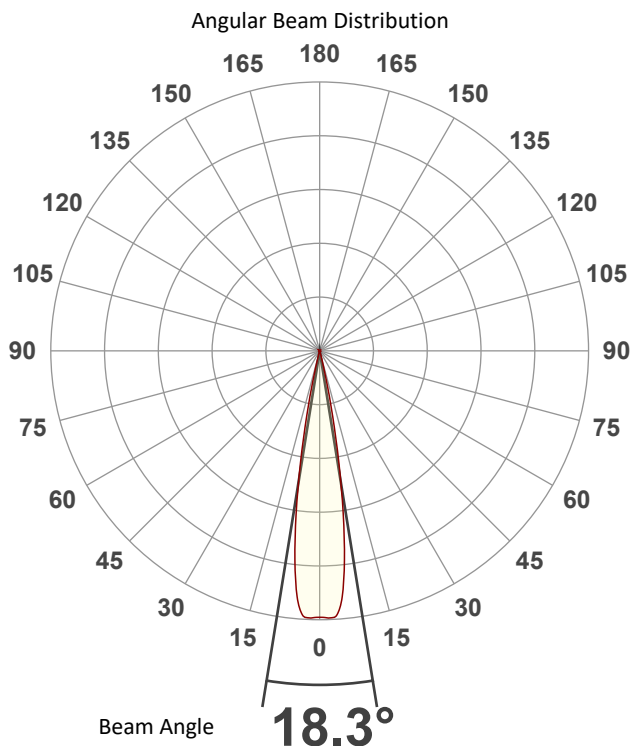
Current: 1.09 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

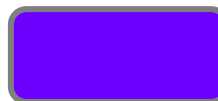
Overall Measurement



Tested Color (CIE 1931):

X: 0.159

Y: 0.024



Light Quality

CRI: 0.0

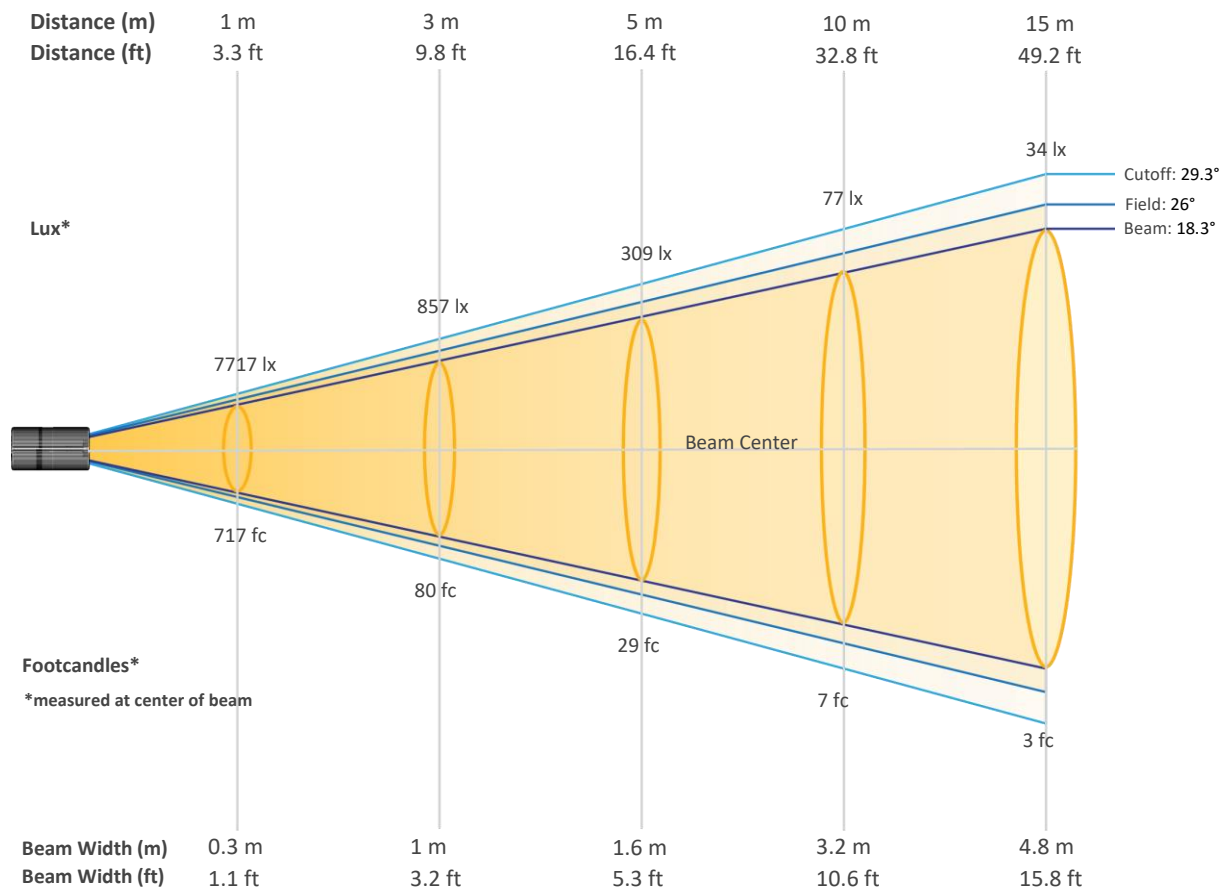
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to Full - White Mode Calibration OFF

Beam Details

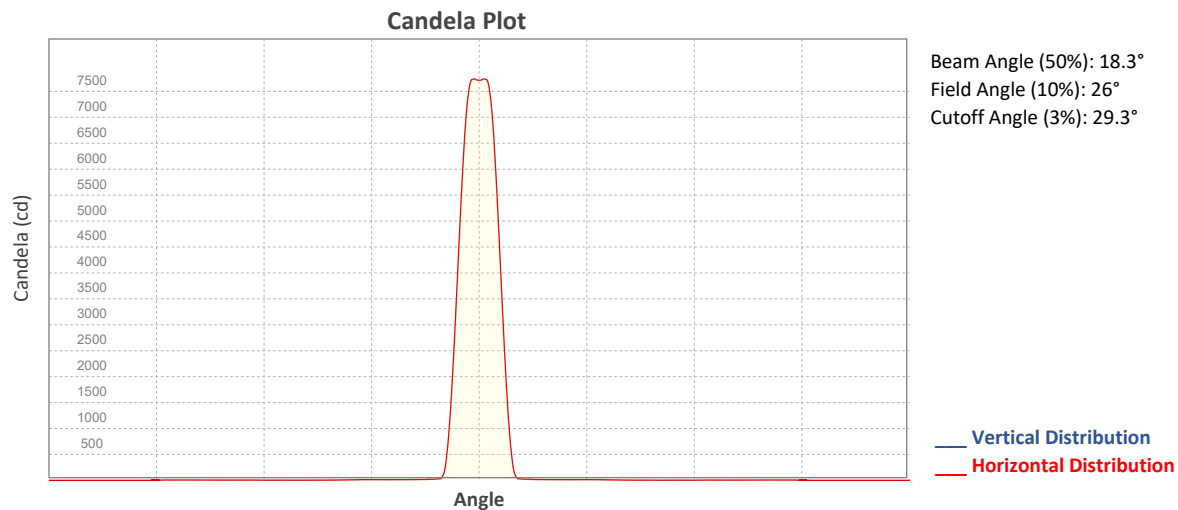


Beam Intensities from 1-20m (3.3-65.6ft)

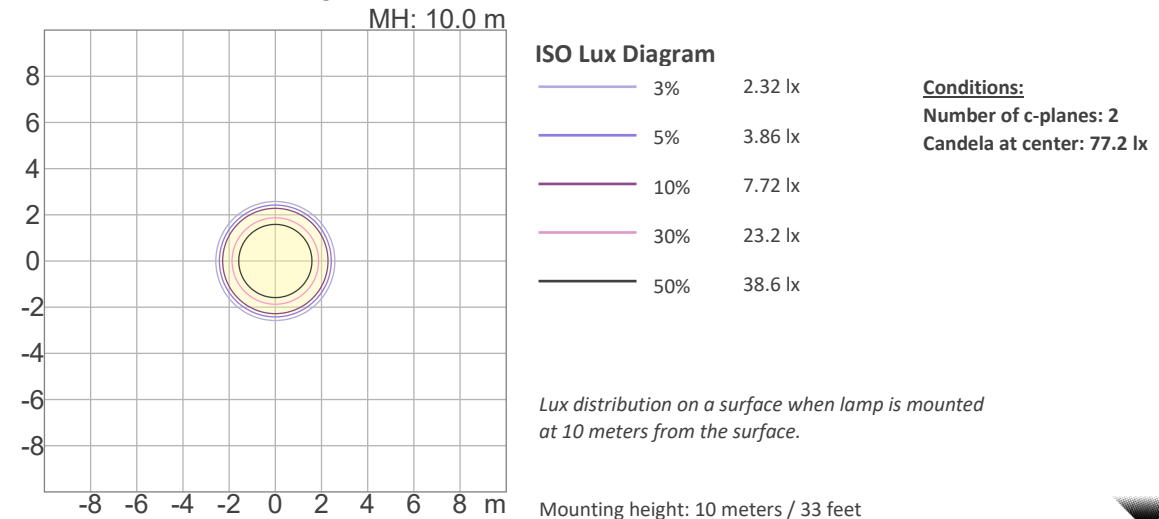
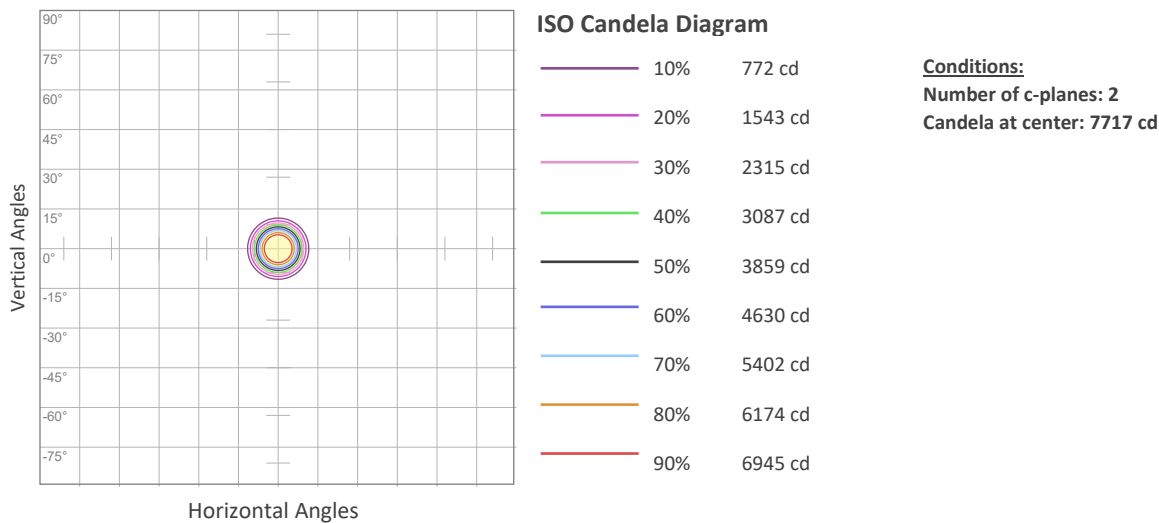
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7717	1929	857	482	309	214	157	121	95	77
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	64	54	46	39	34	30	27	24	21	19
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	717	179	80	45	29	20	15	11	9	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	4	3	3	2	2	2	2

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to Full - White Mode Calibration OFF



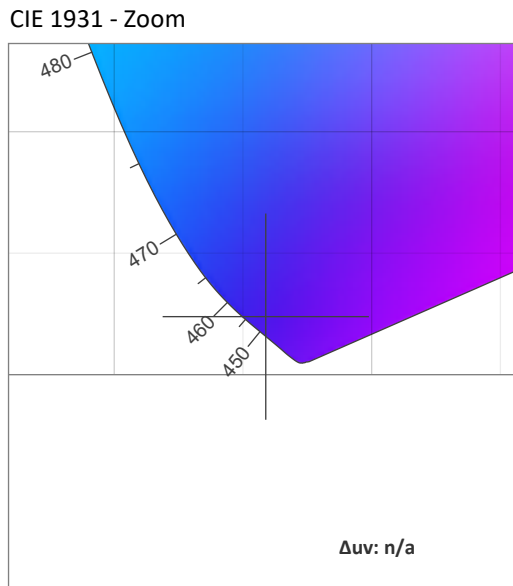
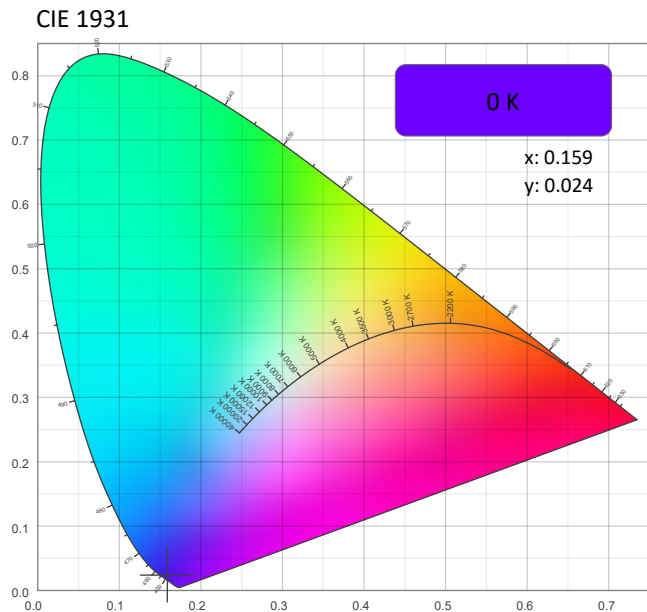
ISO Diagrams



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to Full - White Mode Calibration OFF

Chromaticity



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.159	0.024

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.024	0.214

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0



Photometric & Chromaticity Report

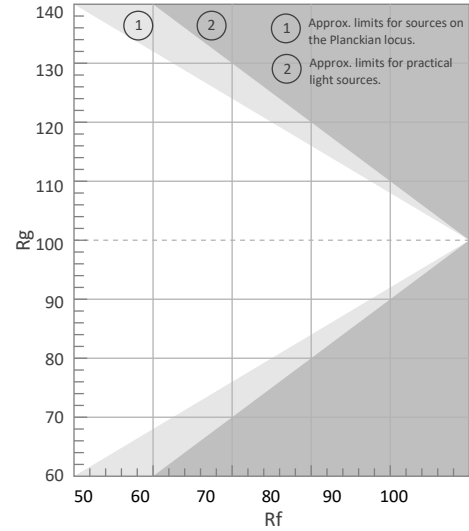
Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to Full - White Mode Calibration OFF

TM-30 Details

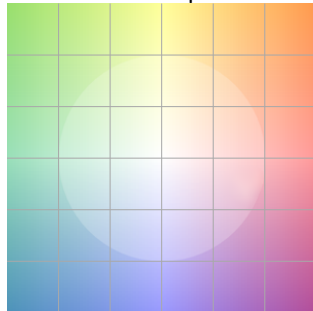
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

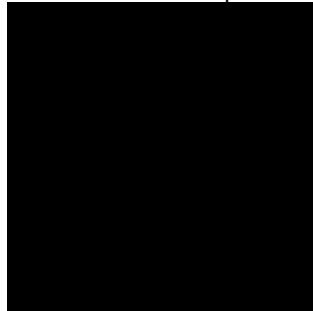
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



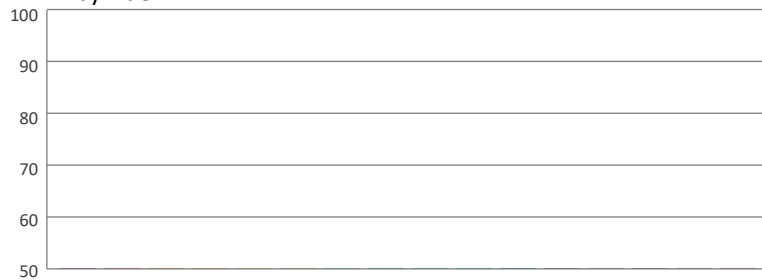
Color Vector Graphic



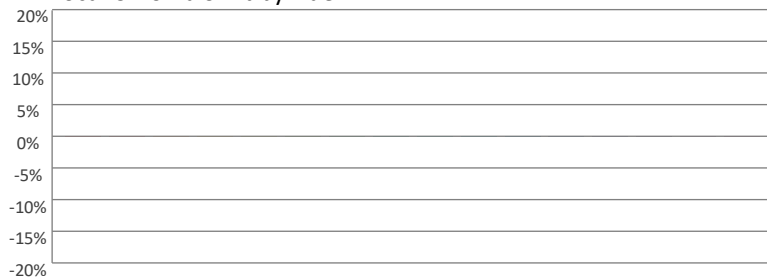
Color Distortion Graphic



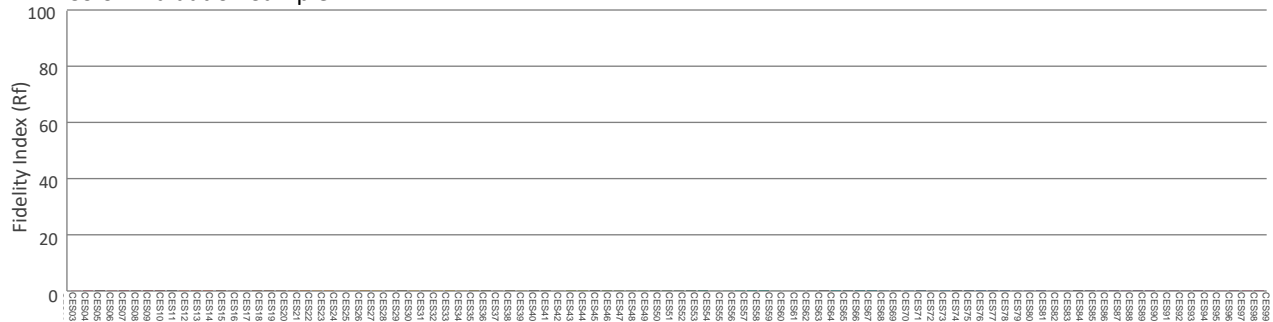
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to Auto - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 792 lm

Fixture Peak: 7722 cd

Fixture Efficacy: 6 lm/W

Intensity @ 5m: 309 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 18.3°

Field Angle (10%): 26.2°

Cutoff Angle (3%): 29.7°

Conditions

AC Supply: 118 V, 60 Hz

Power: 127.49 W

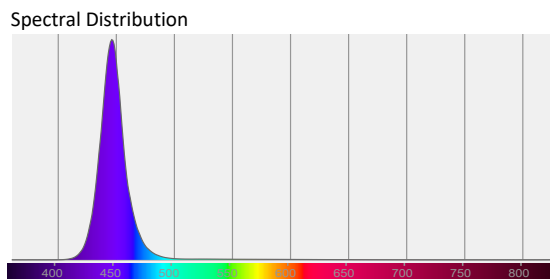
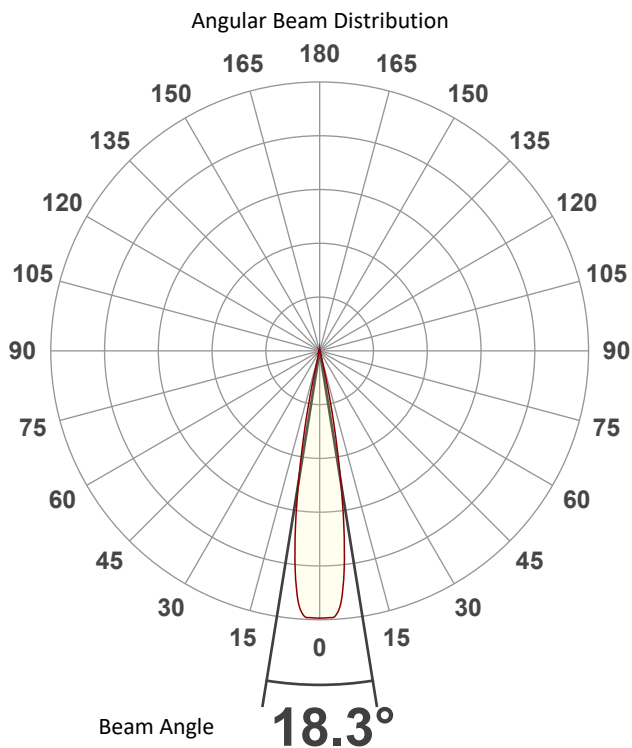
Current: 1.08 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

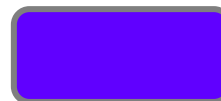
Overall Measurement



Tested Color (CIE 1931):

X: 0.159

Y: 0.024

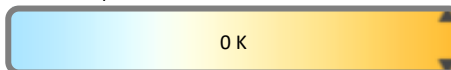


Light Quality

CRI: 0.0

Color Temperature

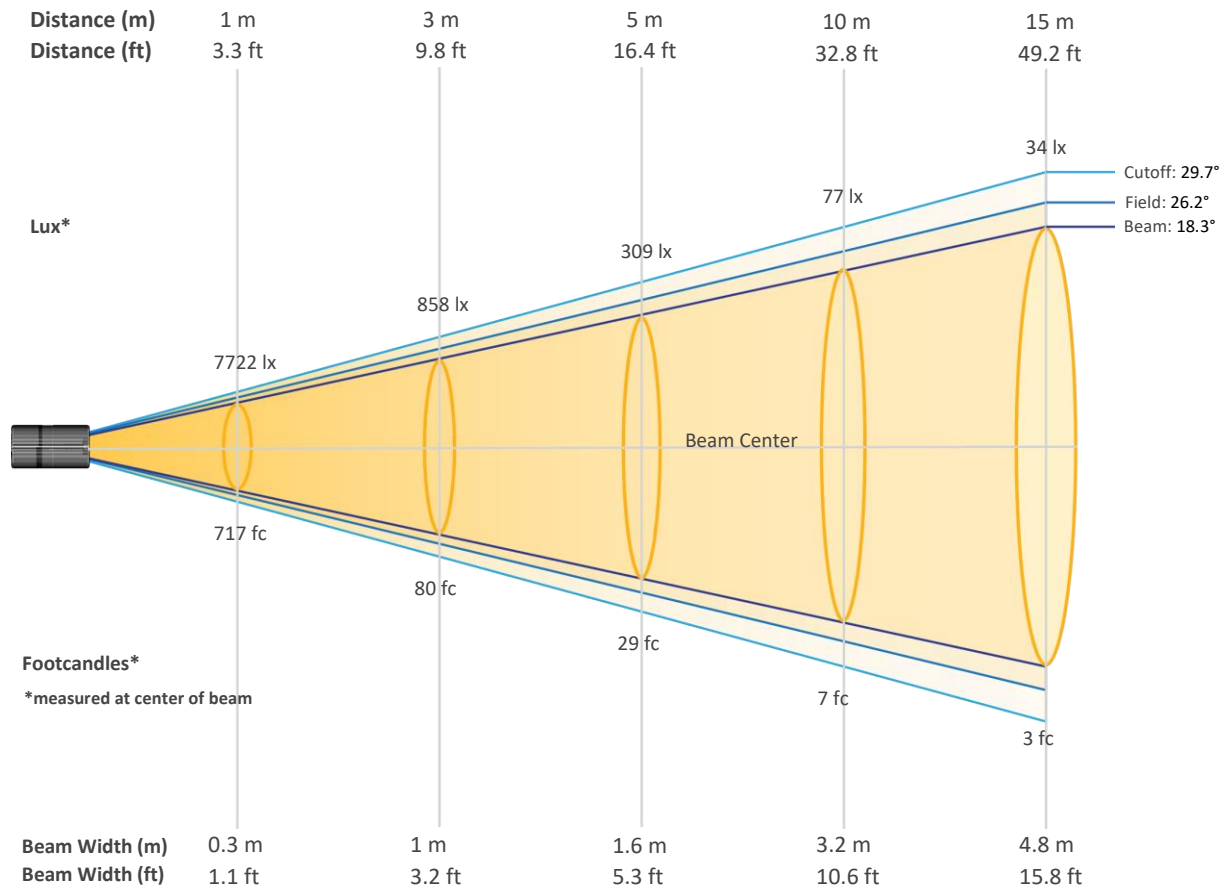
0 K



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to Auto - White Mode Calibration OFF

Beam Details

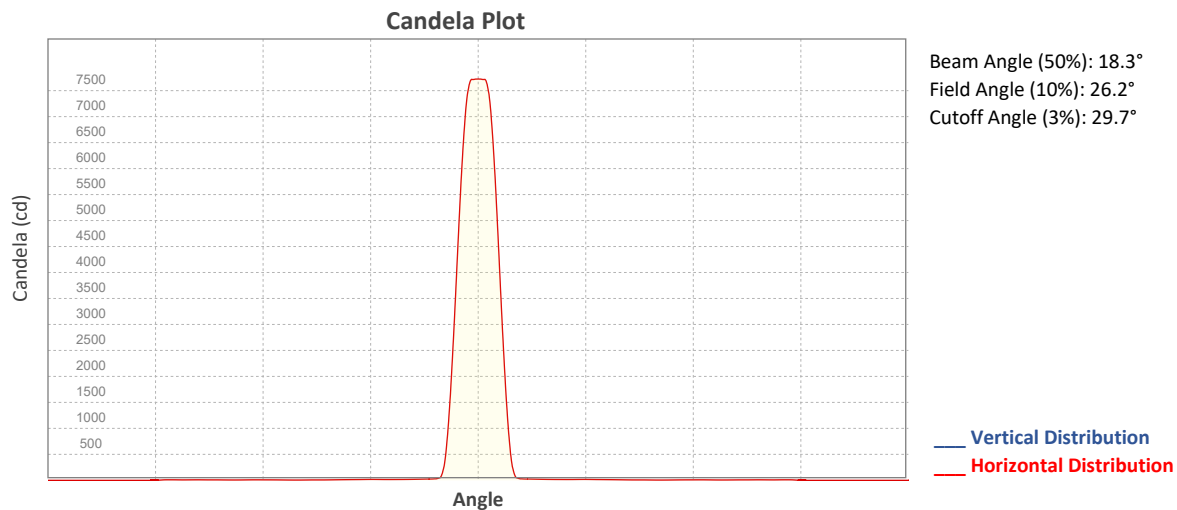


Beam Intensities from 1-20m (3.3-65.6ft)

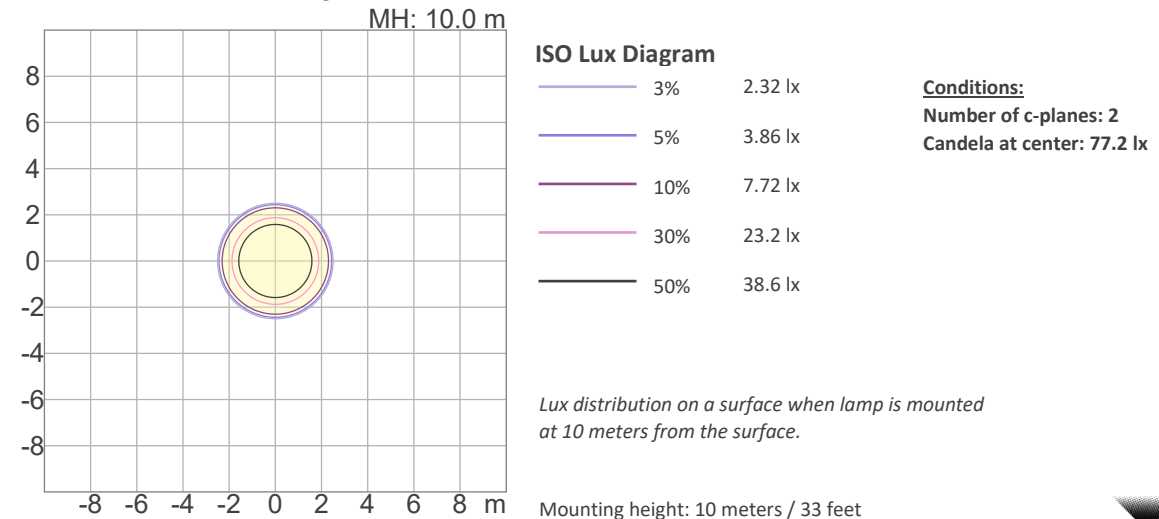
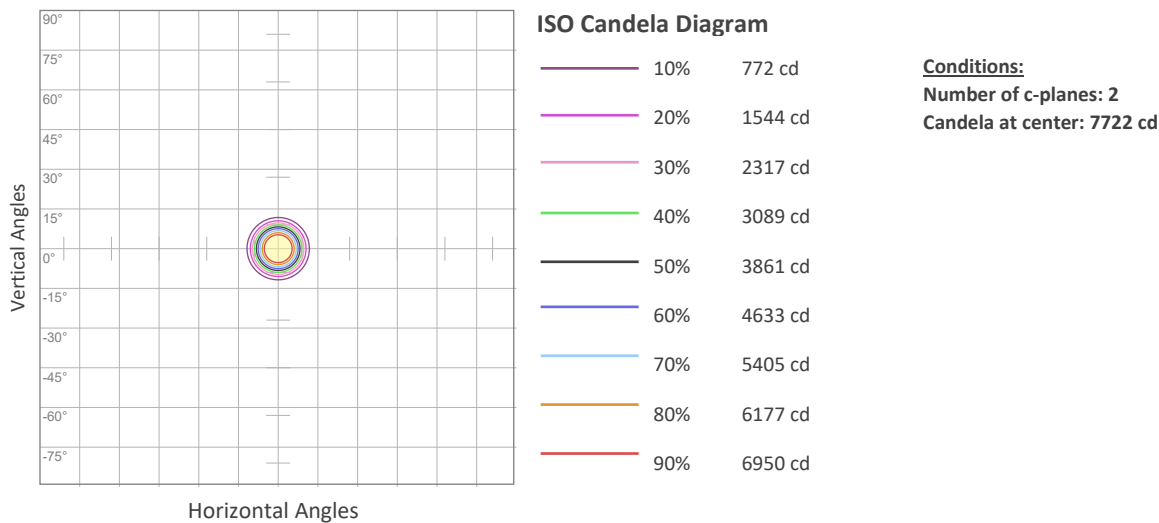
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7722	1930	858	483	309	214	158	121	95	77
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	64	54	46	39	34	30	27	24	21	19
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	717	179	80	45	29	20	15	11	9	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	4	3	3	2	2	2	2

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to Auto - White Mode Calibration OFF



ISO Diagrams



Photometric & Chromaticity Report

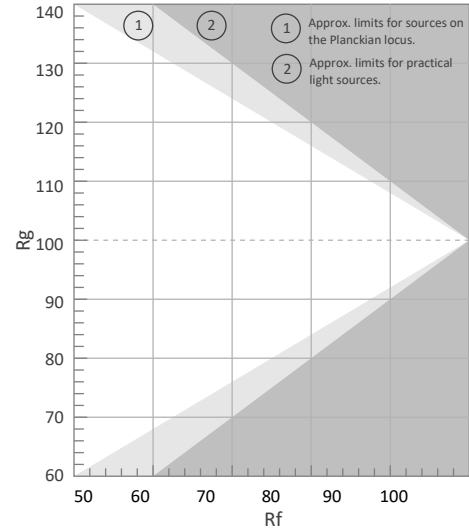
Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to Auto - White Mode Calibration OFF

TM-30 Details

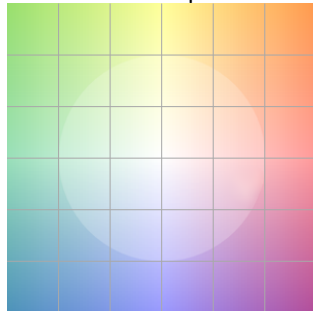
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

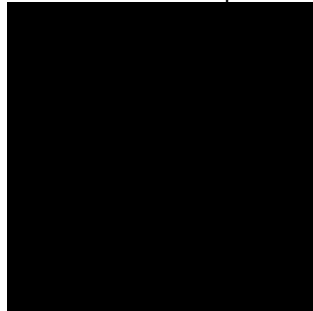
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



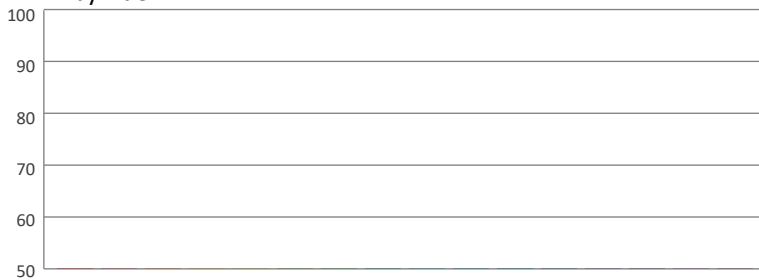
Color Vector Graphic



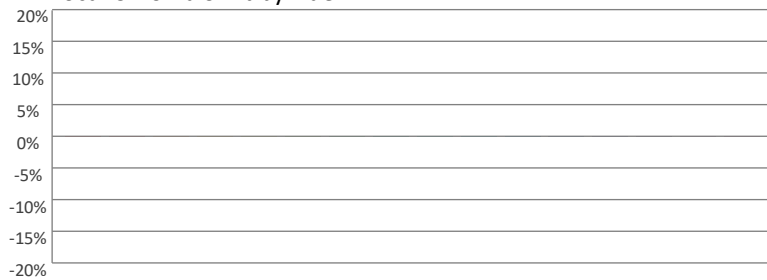
Color Distortion Graphic



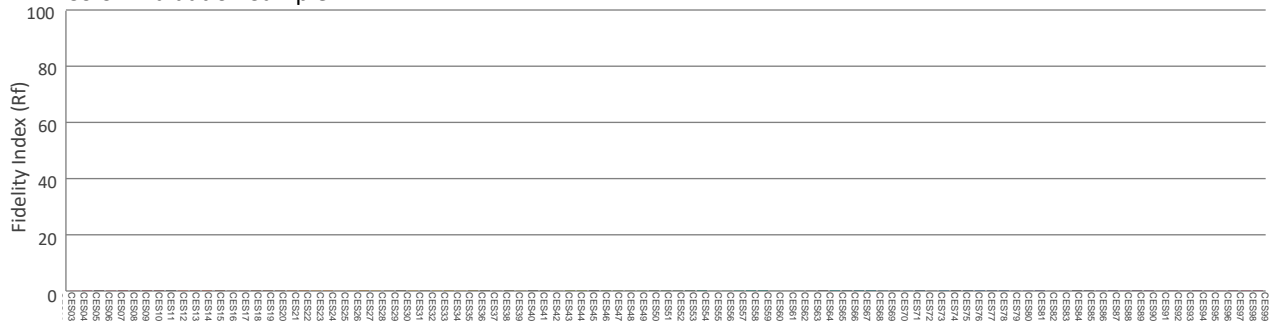
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to ECO - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 766 lm

Fixture Peak: 7723 cd

Fixture Efficacy: 6 lm/W

Intensity @ 5m: 309 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 18.3°

Field Angle (10%): 26.2°

Cutoff Angle (3%): 29.6°

Conditions

AC Supply: 118 V, 60 Hz

Power: 127.59 W

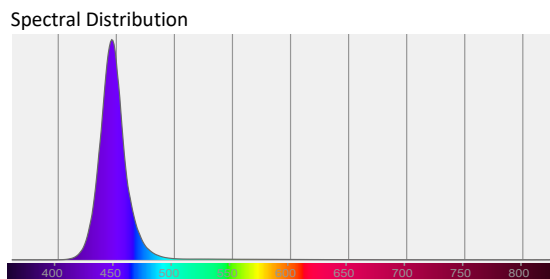
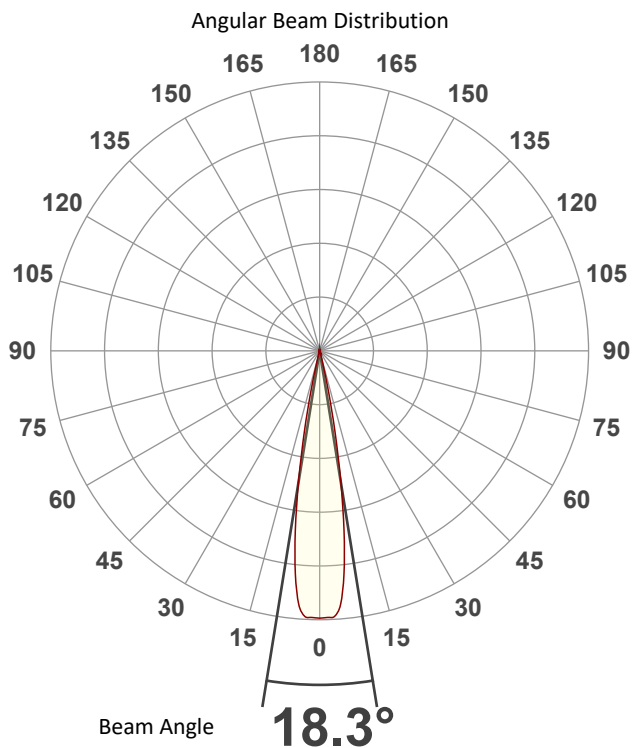
Current: 1.08 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

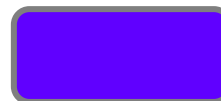
Overall Measurement



Tested Color (CIE 1931):

X: 0.159

Y: 0.024



Light Quality

CRI: 0.0

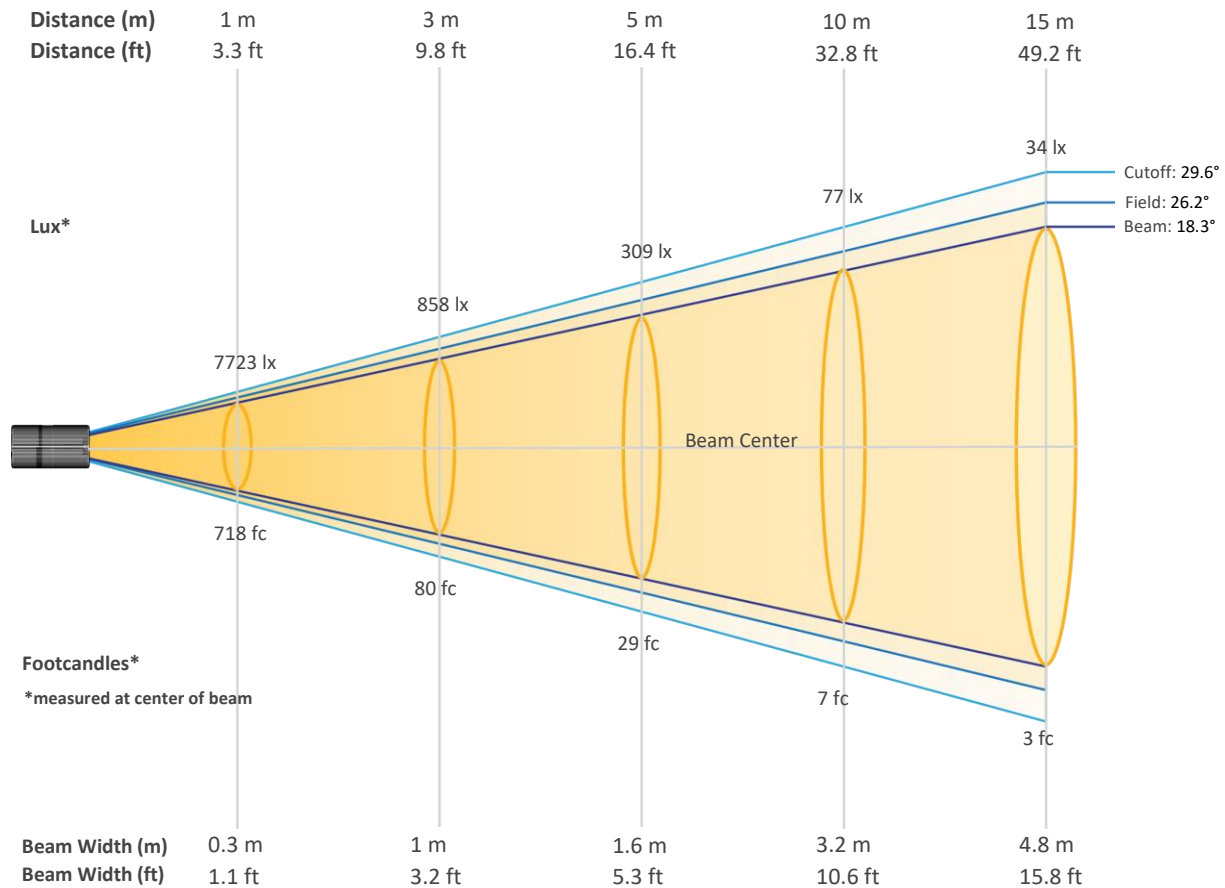
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to ECO - White Mode Calibration OFF

Beam Details

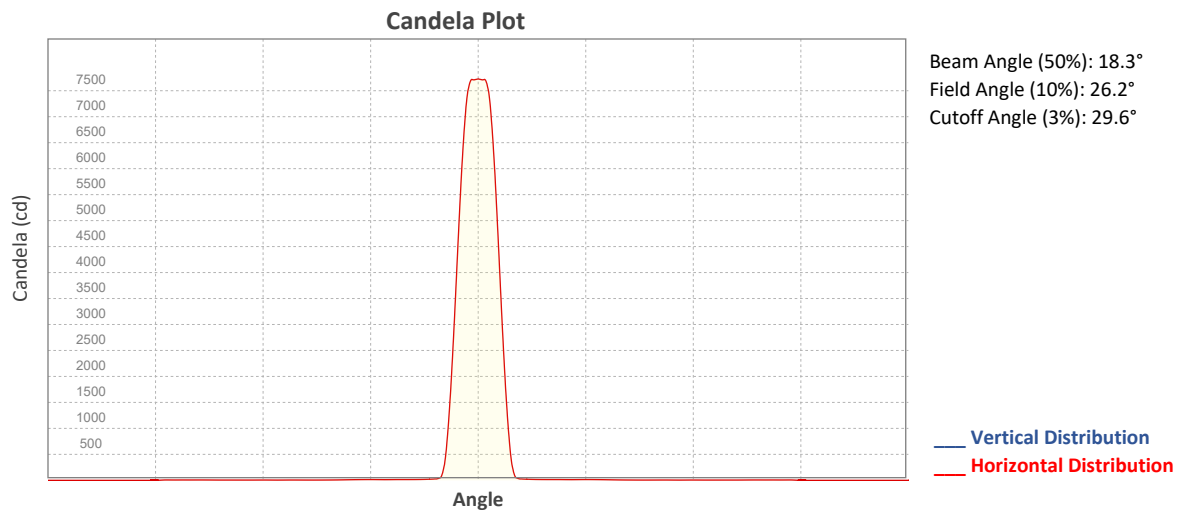


Beam Intensities from 1-20m (3.3-65.6ft)

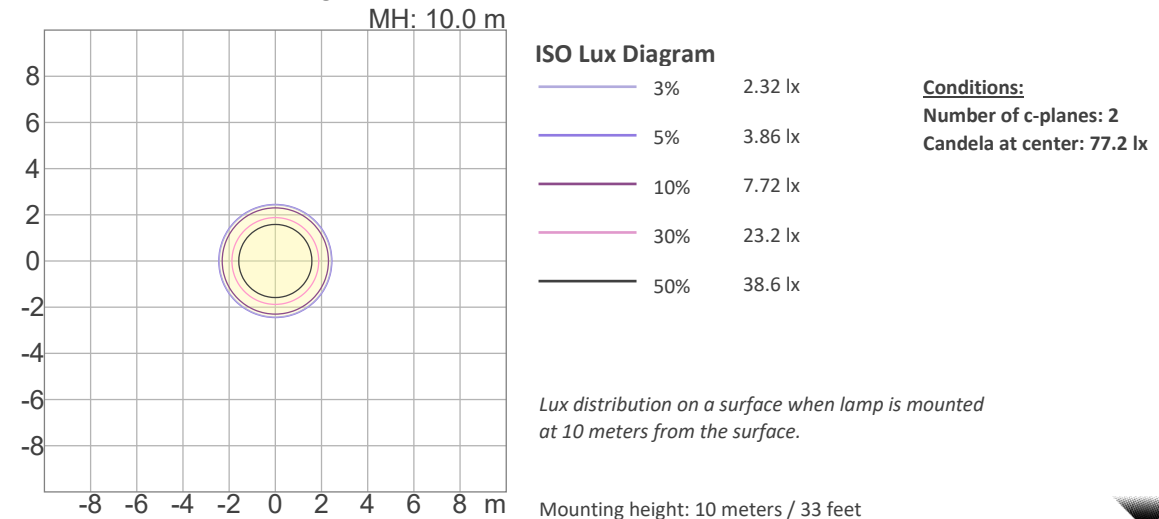
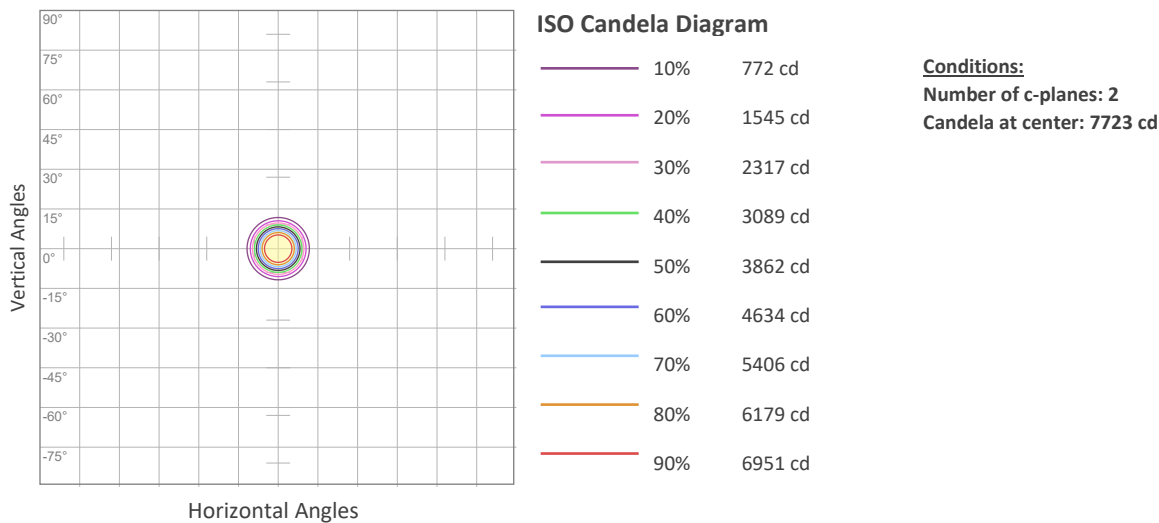
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7723	1931	858	483	309	215	158	121	95	77
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	64	54	46	39	34	30	27	24	21	19
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	718	179	80	45	29	20	15	11	9	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	4	3	3	2	2	2	2

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to ECO - White Mode Calibration OFF



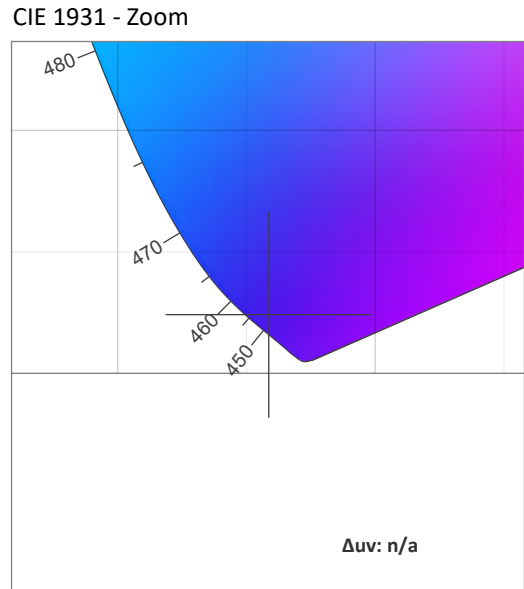
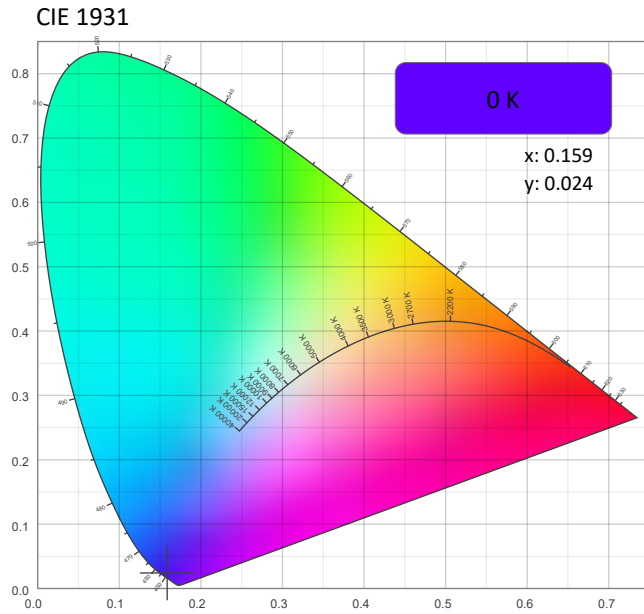
ISO Diagrams



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to ECO - White Mode Calibration OFF

Chromaticity



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.159	0.024

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.024	0.213

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

Photometric & Chromaticity Report

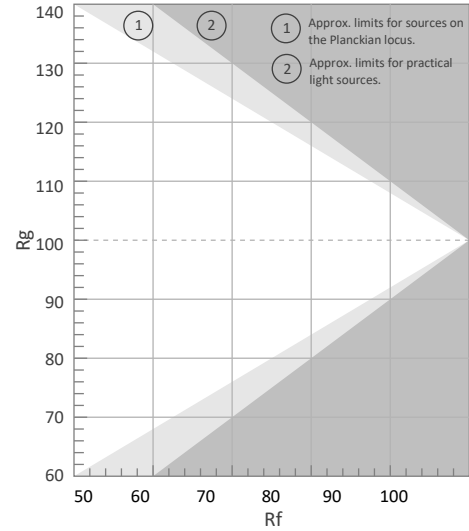
Rogue Outcast 2X Wash: 50% Zoom - Blue Only - Fan set to ECO - White Mode Calibration OFF

TM-30 Details

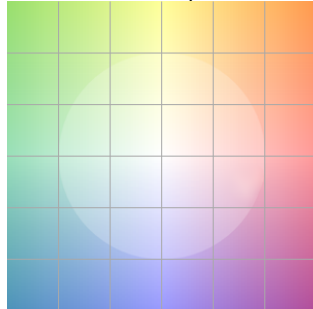
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

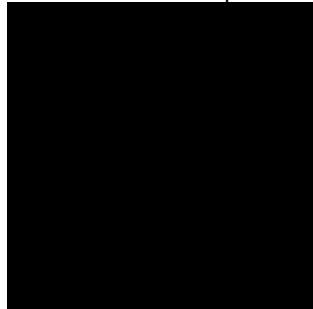
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



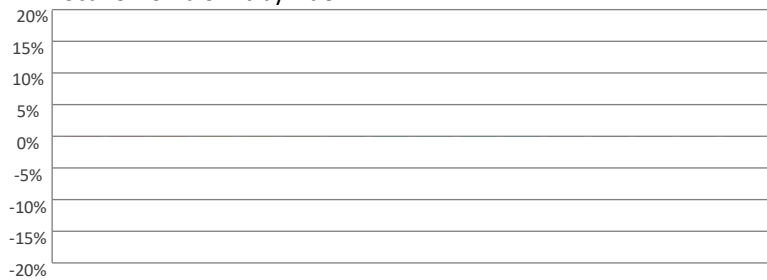
Color Distortion Graphic



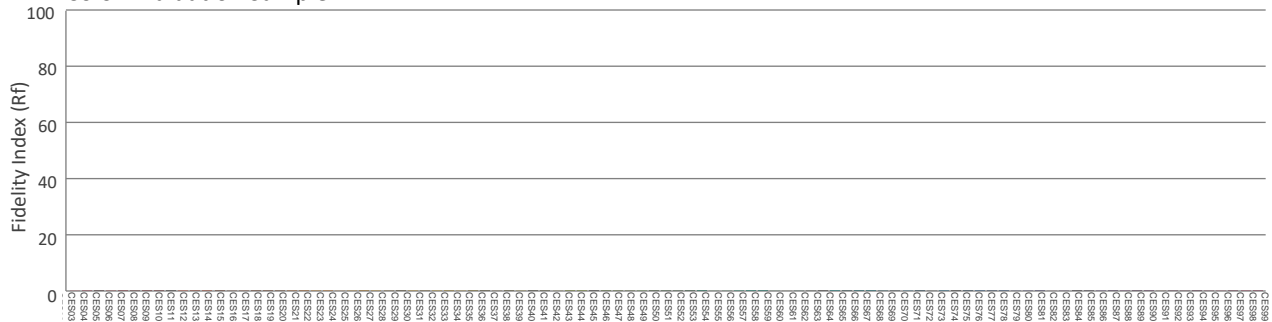
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Full - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 4234 lm
Fixture Peak: 40789 cd
Fixture Efficacy: 33 lm/W
Intensity @ 5m: 1610 lux
Color Temperature: 6678 K
CRI: 67.2 CRI R9 Value: -13.7
CQS: 65.3
TLCI: 41
TM-30 Rf: 63.2
TM-30 Rg: 98.3
Beam Angle (50%): 19.2°
Field Angle (10%): 26.8°
Cutoff Angle (3%): 30.2°

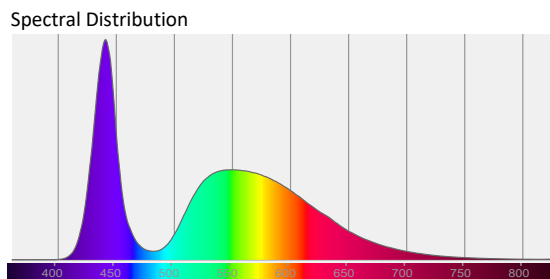
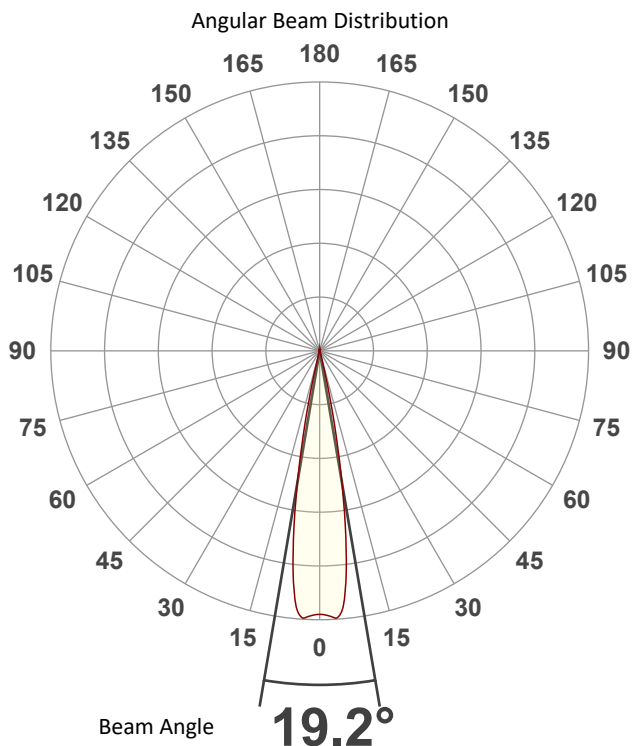


Conditions

AC Supply: 119 V, 60 Hz
Power: 130.51 W
Current: 1.10 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

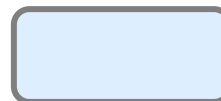
Overall Measurement



Tested Color (CIE 1931):

X: 0.313

Y: 0.311



Light Quality

CRI: 67.2

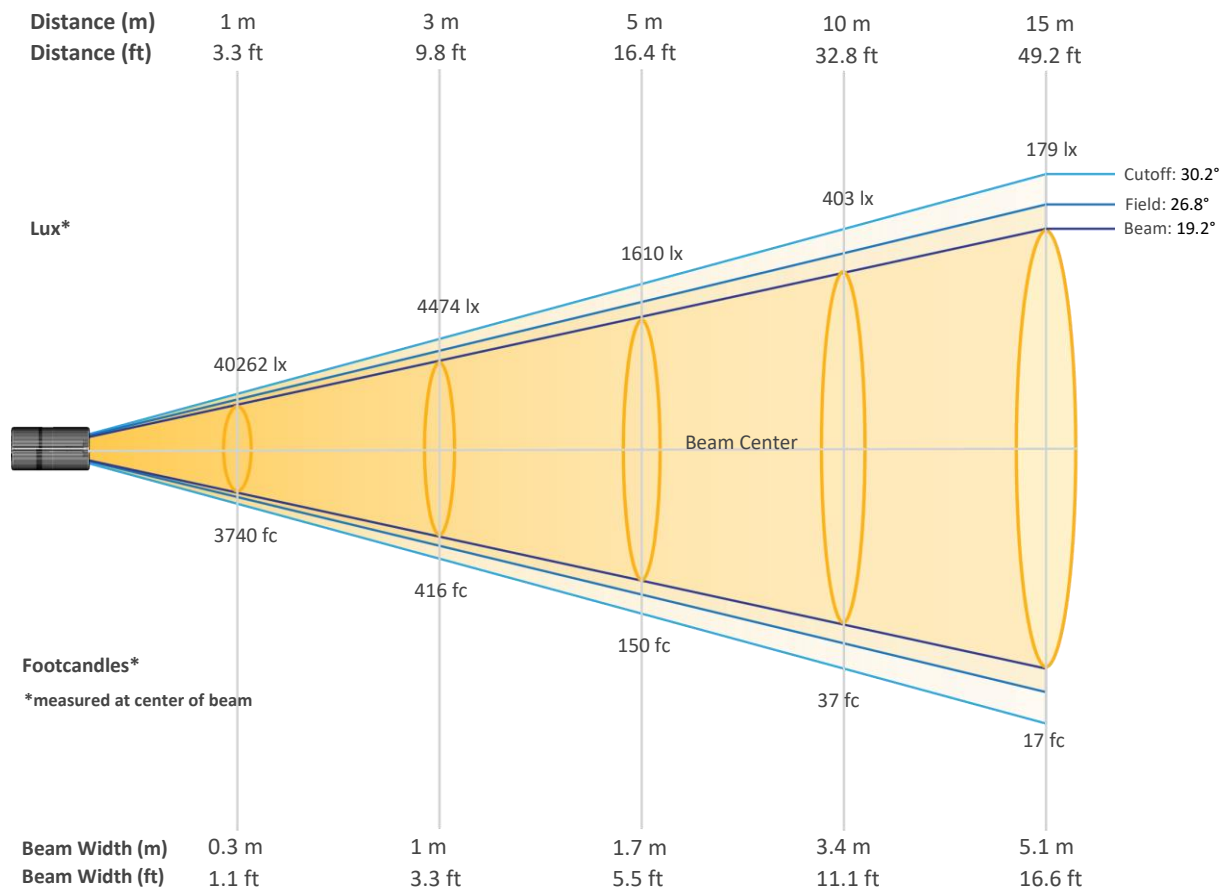
Color Temperature

6678 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Full - White Mode Calibration OFF

Beam Details

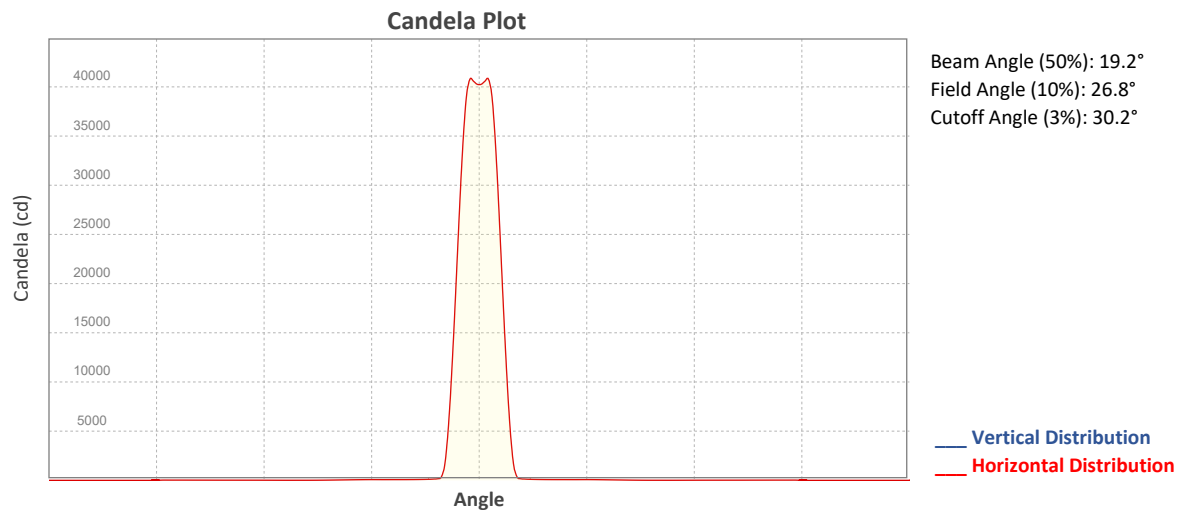


Beam Intensities from 1-20m (3.3-65.6ft)

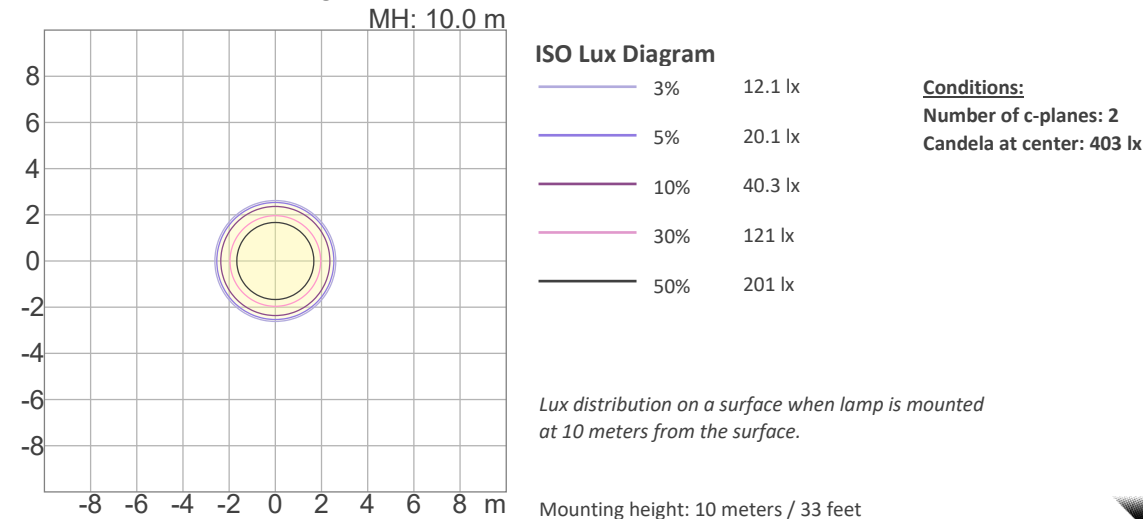
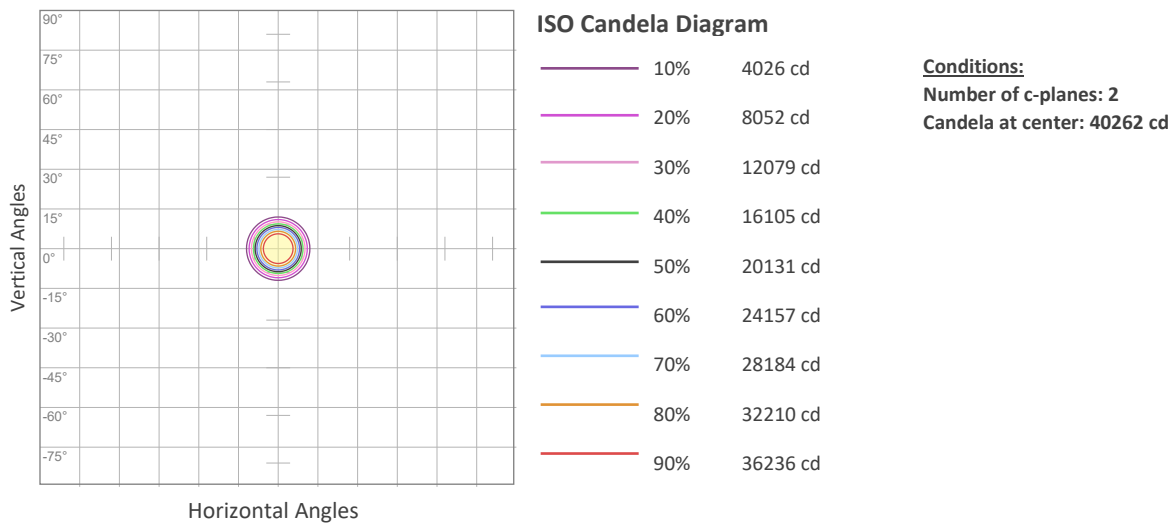
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	40262	10066	4474	2516	1610	1118	822	629	497	403
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	333	280	238	205	179	157	139	124	112	101
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3740	935	416	234	150	104	76	58	46	37
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	31	26	22	19	17	15	13	12	10	9

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Full - White Mode Calibration OFF



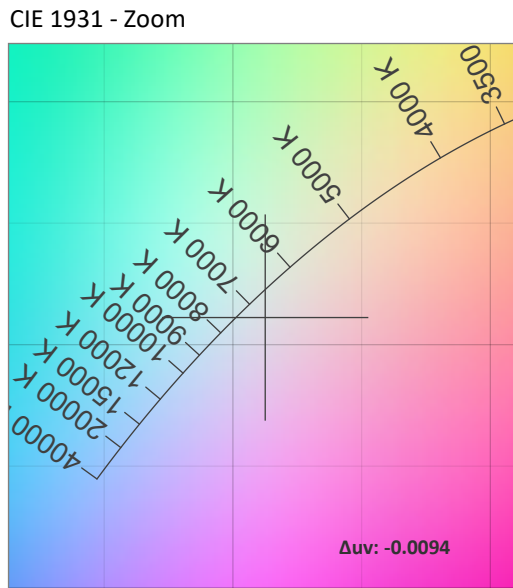
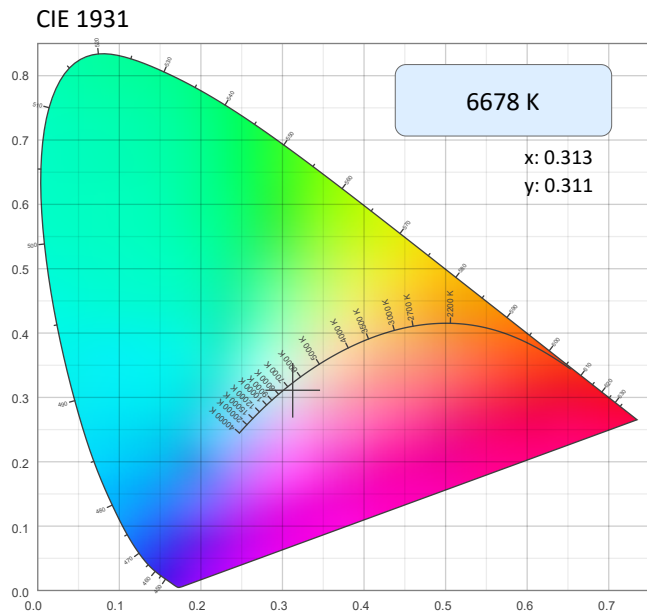
ISO Diagrams



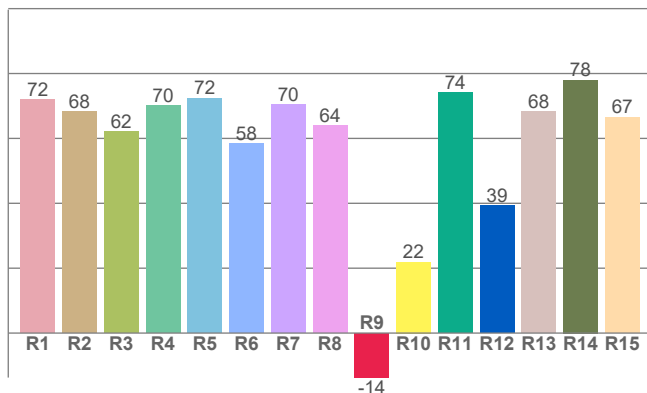
Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Full - White Mode Calibration OFF

Chromaticity



CRI: 67.2 (R1-R8)

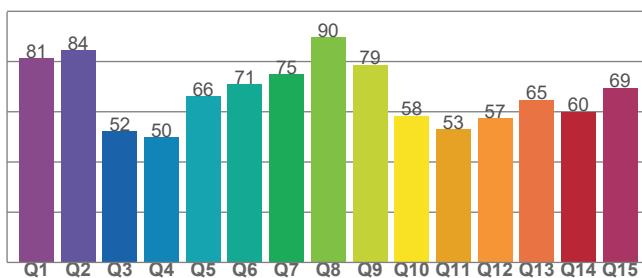


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6678 K	0.313	0.311

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0094	0.311	0.205

CQS: 65.3



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
67.2	-13.7	65.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
41	63.2	98.3

Photometric & Chromaticity Report

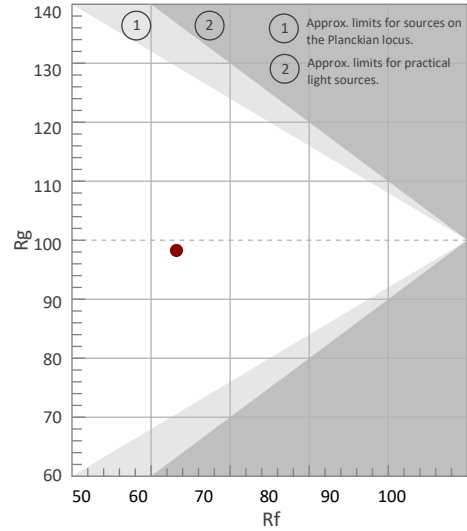
Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Full - White Mode Calibration OFF

TM-30 Details

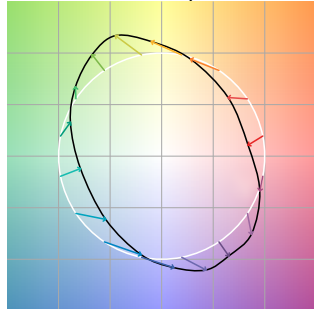
Rf 63.2
Fidelity Index
(Rg)

Rg 98.3
Gammut Index (Rg)

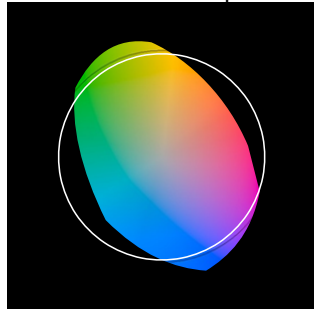
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	70	-16%	-6%
2	67	-15%	11%
3	55	-6%	29%
4	48	7%	31%
5	52	23%	21%
6	72	19%	1%
7	83	7%	-9%
8	73	-7%	-15%
9	76	-20%	-4%
10	57	-21%	21%
11	33	-9%	37%
12	52	4%	33%
13	68	17%	21%
14	72	17%	0%
15	76	14%	-14%
16	76	0%	-14%



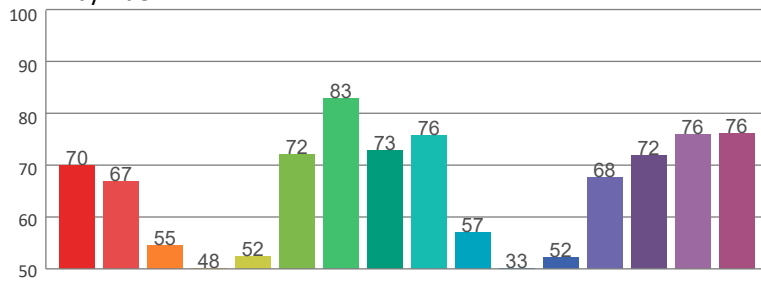
Color Vector Graphic



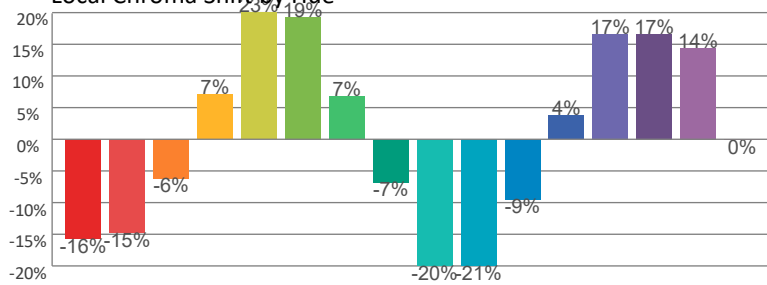
Color Distortion Graphic



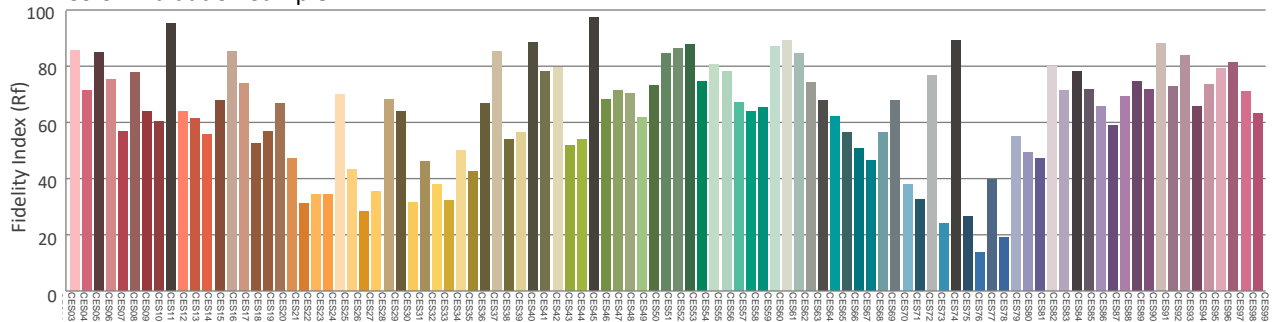
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Auto - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 4140 lm
Fixture Peak: 39904 cd
Fixture Efficacy: 32 lm/W
Intensity @ 5m: 1580 lux
Color Temperature: 6662 K
CRI: 67.6 CRI R9 Value: -13.4
CQS: 65.5
TLCI: 42
TM-30 Rf: 63.9
TM-30 Rg: 98.0
Beam Angle (50%): 19.2°
Field Angle (10%): 26.7°
Cutoff Angle (3%): 29.9°

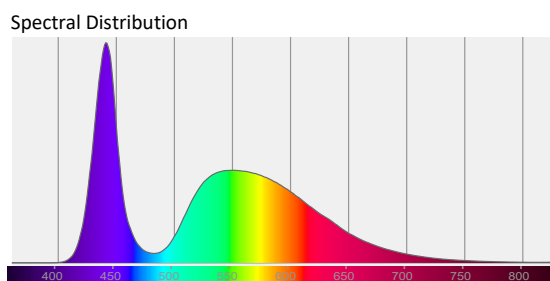
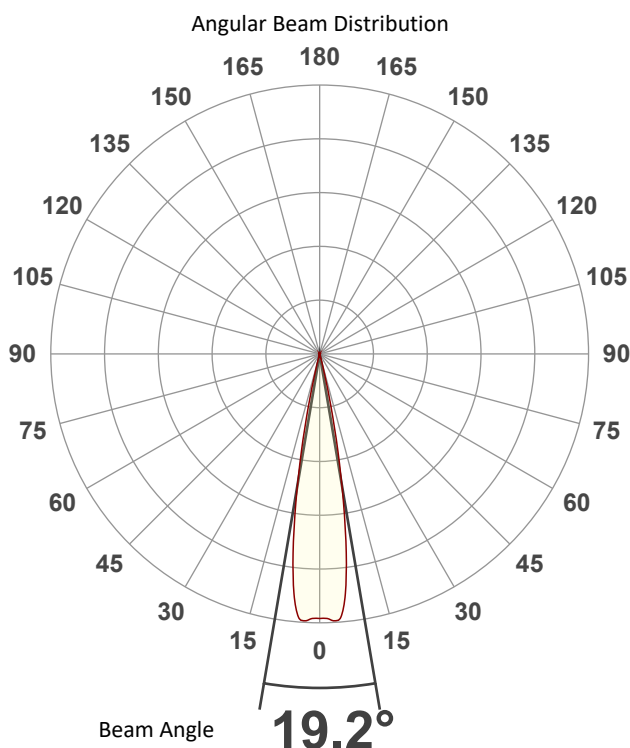
Conditions

AC Supply: 118 V, 60 Hz
Power: 129.14 W
Current: 1.10 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.313
Y: 0.312

Light Quality

CRI: 67.6

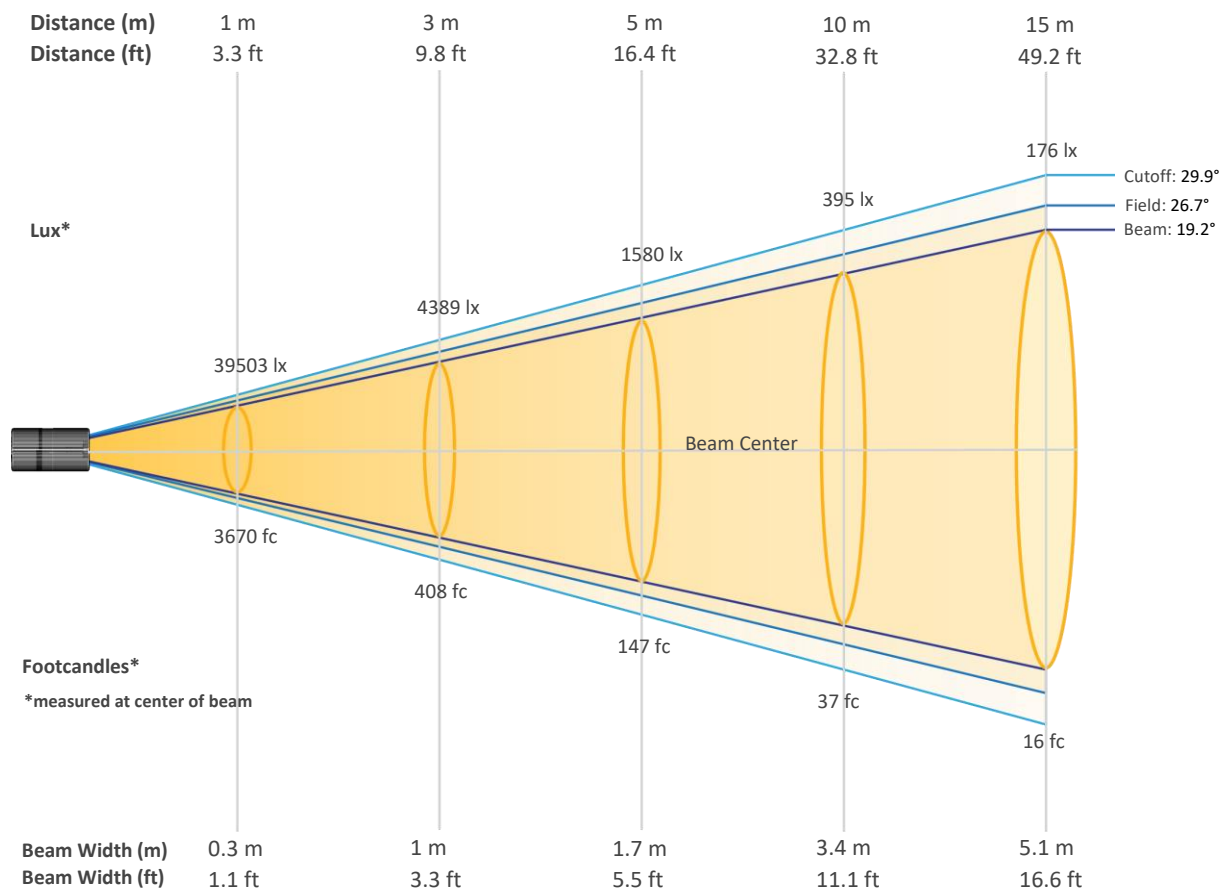
Color Temperature

6662 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Auto - White Mode Calibration OFF

Beam Details

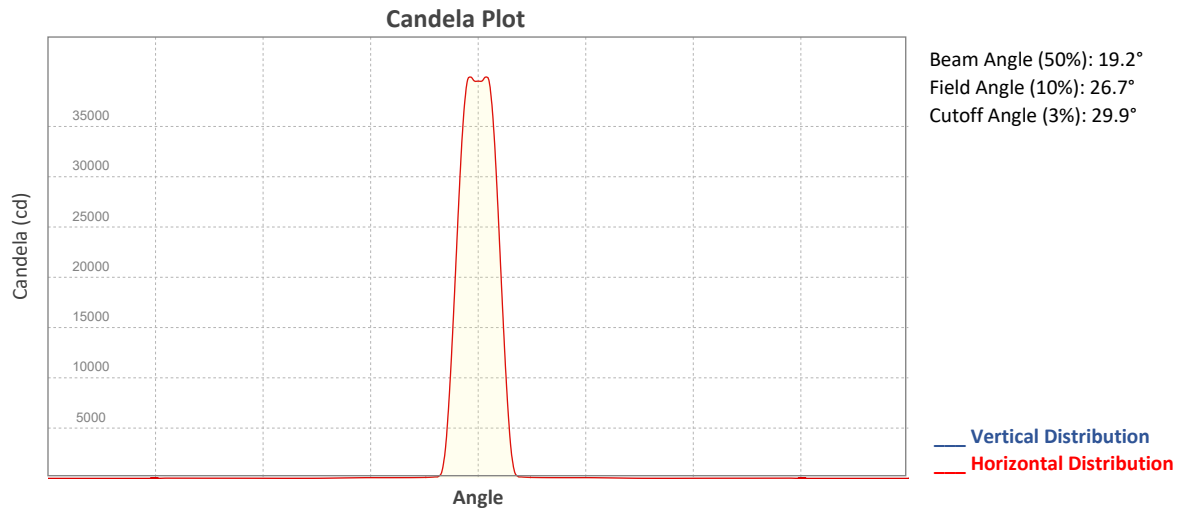


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	39503	9876	4389	2469	1580	1097	806	617	488	395
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	326	274	234	202	176	154	137	122	109	99
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3670	917	408	229	147	102	75	57	45	37
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	30	25	22	19	16	14	13	11	10	9

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Auto - White Mode Calibration OFF



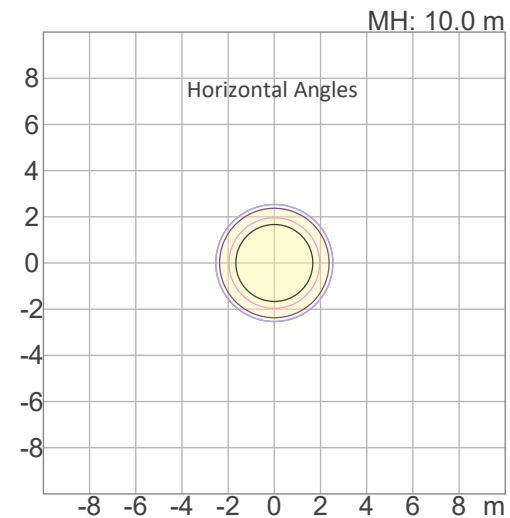
ISO Diagrams



ISO Candela Diagram

10%	3950 cd
20%	7901 cd
30%	11851 cd
40%	15801 cd
50%	19752 cd
60%	23702 cd
70%	27652 cd
80%	31603 cd
90%	35553 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 39503 cd



ISO Lux Diagram

3%	11.9 lx
5%	19.8 lx
10%	39.5 lx
30%	119 lx
50%	198 lx

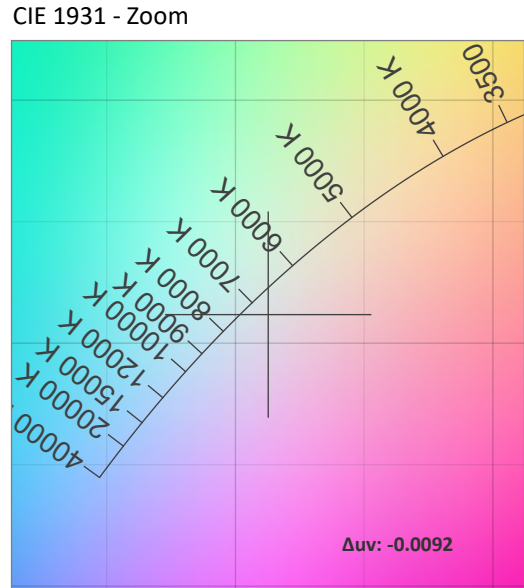
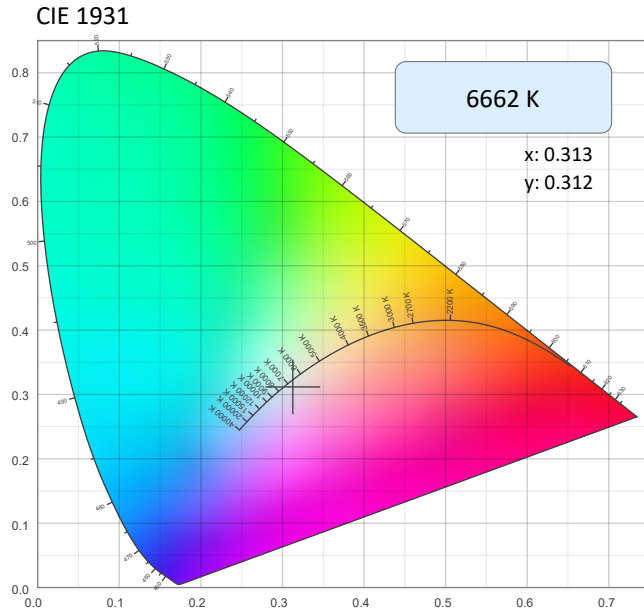
Conditions:
 Number of c-planes: 2
 Candela at center: 395 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

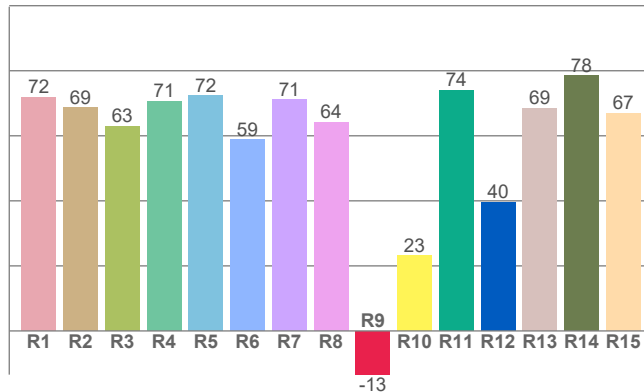
Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Auto - White Mode Calibration OFF

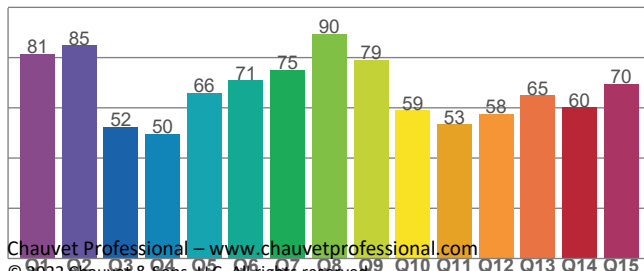
Chromaticity



CRI: 67.6 (R1-R8)



CQS: 65.5



Color Temperature CCT	Color Coordinate CIE 1931 x	Color Coordinate CIE 1931 y
6662 K	0.313	0.312

Color Deviation from Black Body Curve Δuv	Color Coordinate CIE 1964 y	Color Coordinate CIE 1964 u
-0.0092	0.312	0.205

Color Rendering Index CRI	Red Component CRI - R9	Color Quality Scale CQS
67.6	-13.4	65.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to Auto - White Mode Calibration OFF

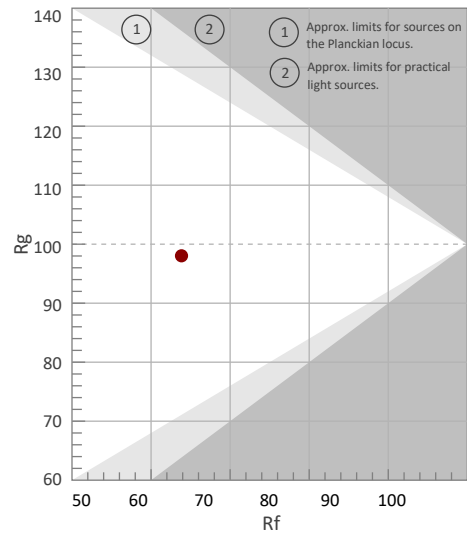
TLCI	TM30 - Rf	TM30 Rg
42	63.9	98.0

TM-30 Details

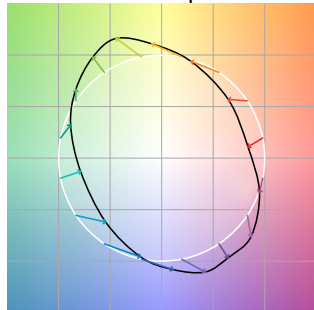
Rf 63.9
Fidelity Index (Rg)

Rg 98.0
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	70	-16%	-6%
2	67	-15%	11%
3	55	-6%	28%
4	50	7%	31%
5	54	22%	21%
6	73	19%	1%
7	84	6%	-9%
8	73	-7%	-14%
9	76	-20%	-3%
10	57	-20%	21%
11	34	-9%	36%
12	53	4%	32%
13	68	17%	20%
14	73	16%	0%
15	76	14%	-15%
16	76	0%	-14%



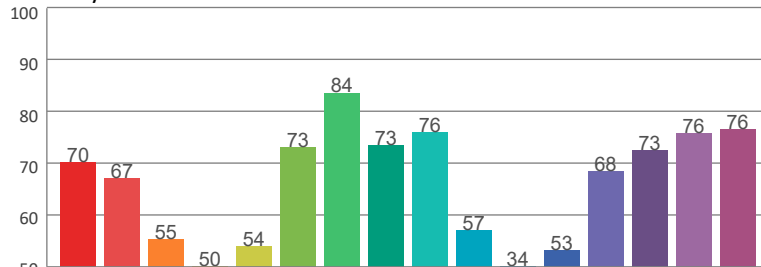
Color Vector Graphic



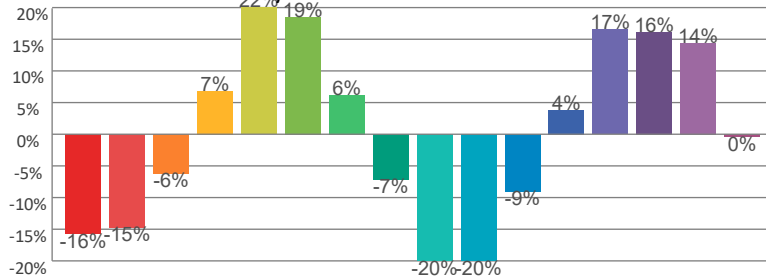
Color Distortion Graphic



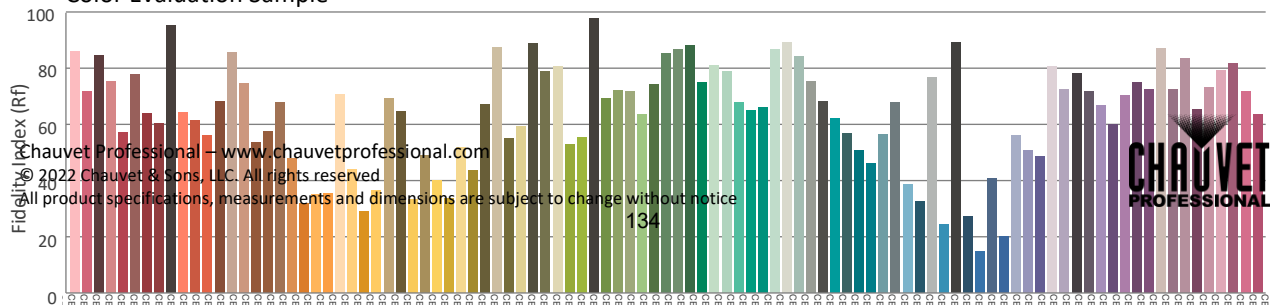
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to ECO - White Mode Calibration OFF

Report Summary

Measurements

Fixture Output: 4216 lm
Fixture Peak: 40237 cd
Fixture Efficacy: 33 lm/W
Intensity @ 5m: 1593 lux
Color Temperature: 6669 K
CRI: 67.4 CRI R9 Value: -13.6
CQS: 65.4
TLCI: 41
TM-30 Rf: 63.5
TM-30 Rg: 98.2
Beam Angle (50%): 19.2°
Field Angle (10%): 27.2°
Cutoff Angle (3%): 30.9°

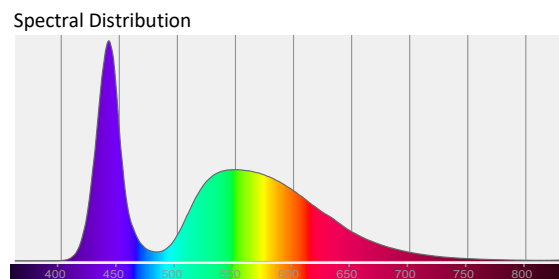
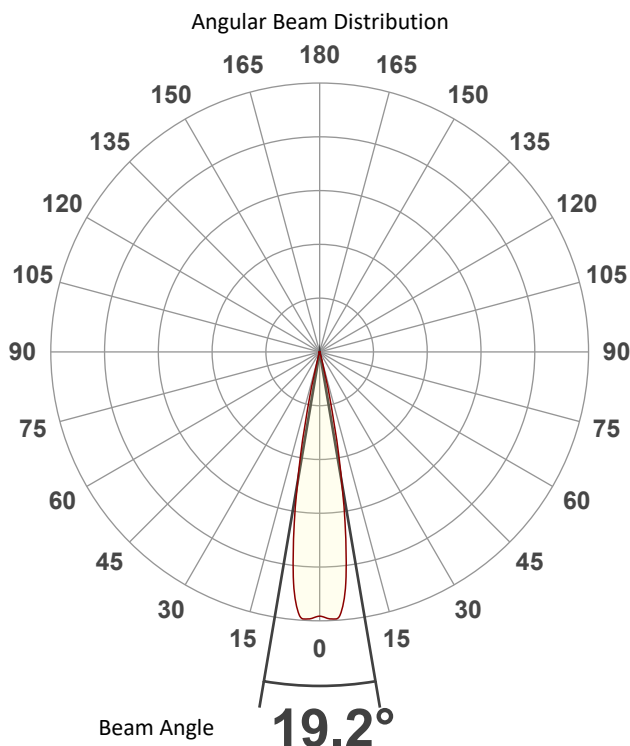
Conditions

AC Supply: 118 V, 60 Hz
Power: 130.22 W
Current: 1.11 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/2/2022 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.313
Y: 0.311

Light Quality

CRI: 67.4

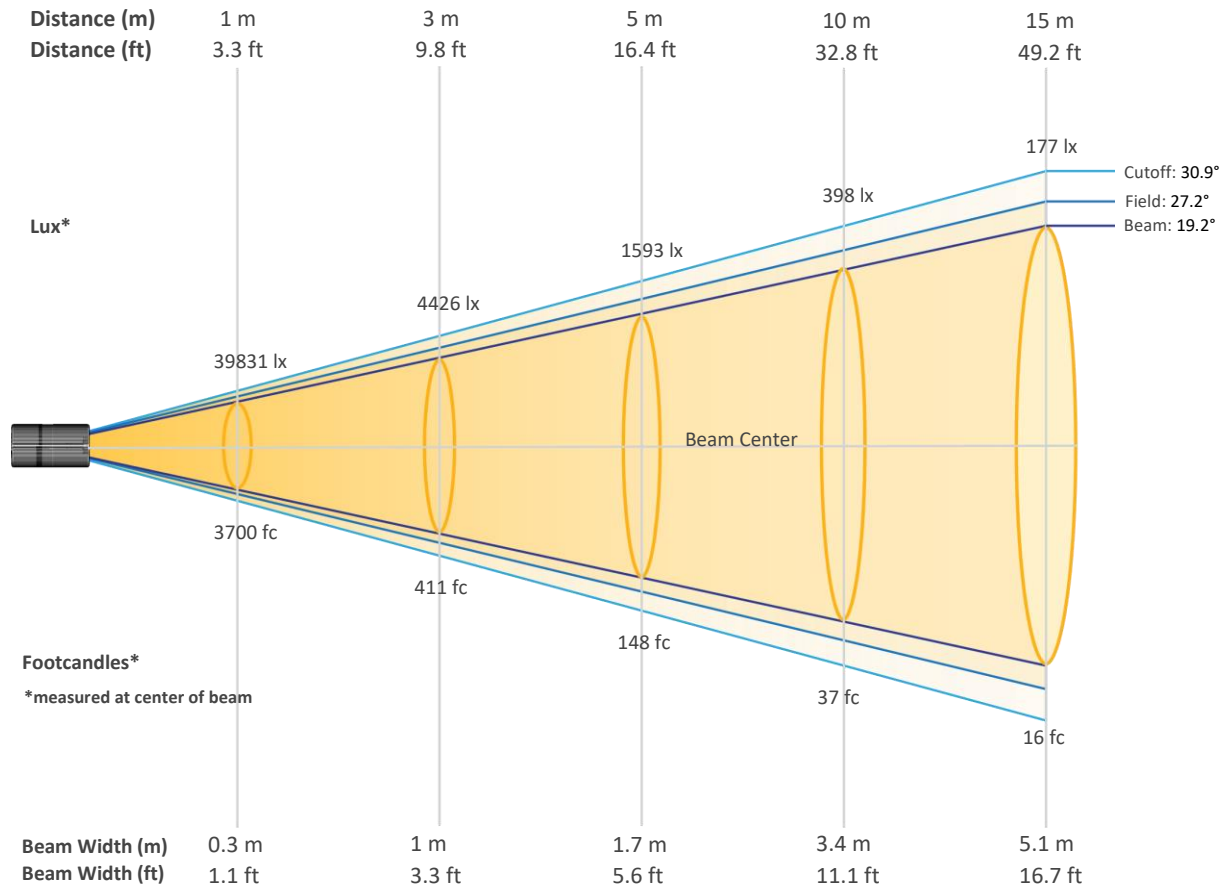
Color Temperature

6669 K

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to ECO - White Mode Calibration OFF

Beam Details

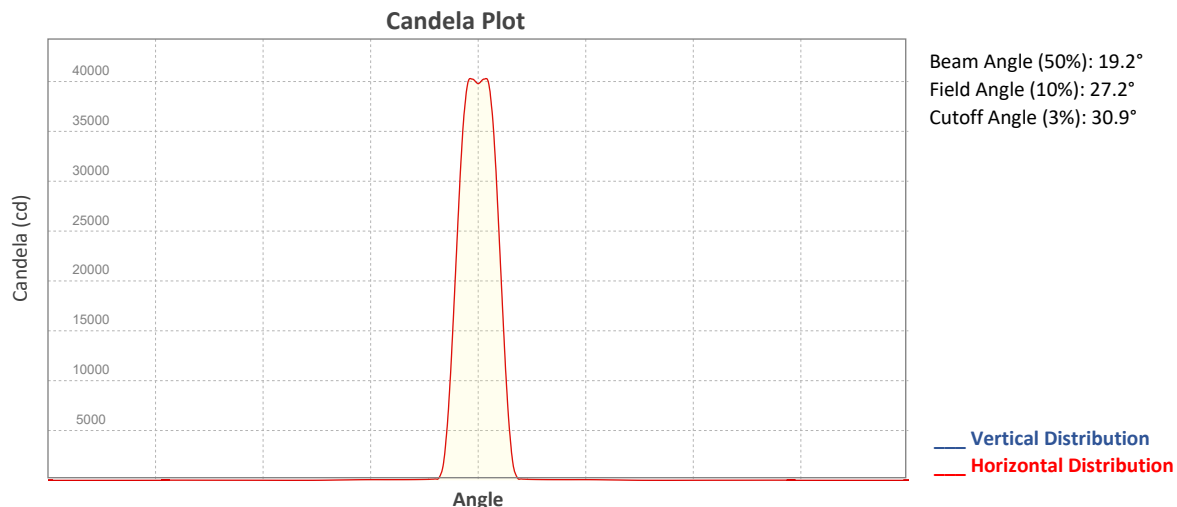


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	39831	9958	4426	2489	1593	1106	813	622	492	398
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	329	277	236	203	177	156	138	123	110	100
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3700	925	411	231	148	103	76	58	46	37
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	31	26	22	19	16	14	13	11	10	9

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to ECO - White Mode Calibration OFF



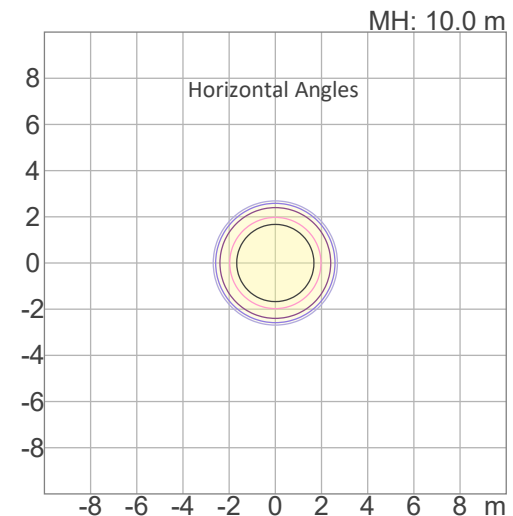
ISO Diagrams



ISO Candela Diagram

10%	3983 cd
20%	7966 cd
30%	11949 cd
40%	15932 cd
50%	19916 cd
60%	23899 cd
70%	27882 cd
80%	31865 cd
90%	35848 cd

Conditions:
Number of c-planes: 2
Candela at center: 39831 cd



ISO Lux Diagram

3%	11.9 lx
5%	19.9 lx
10%	39.8 lx
30%	119 lx
50%	199 lx

Conditions:
Number of c-planes: 2
Candela at center: 398 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

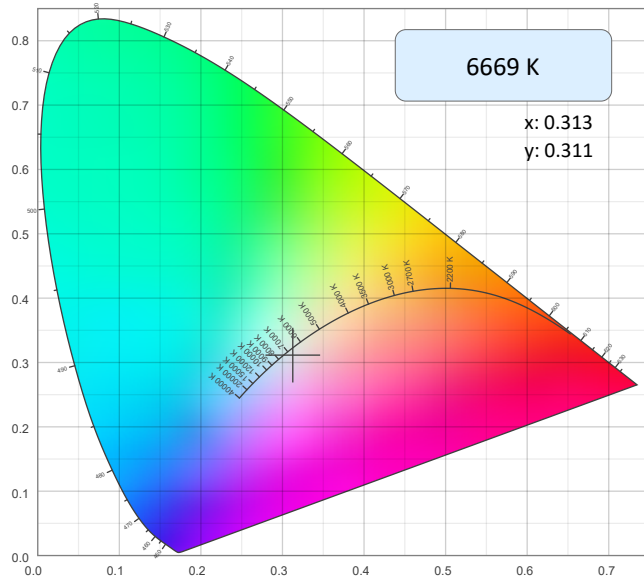


Photometric & Chromaticity Report

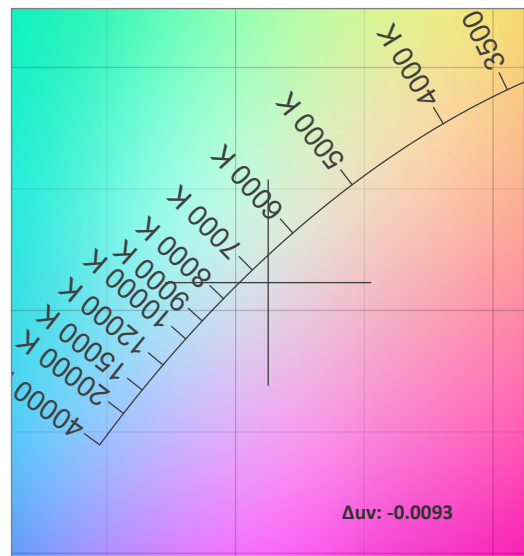
Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to ECO - White Mode Calibration OFF

Chromaticity

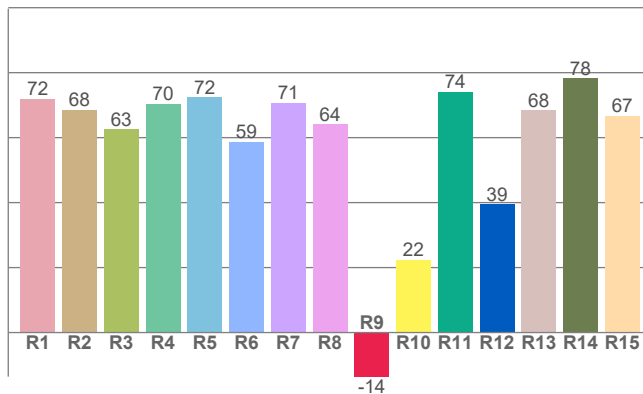
CIE 1931



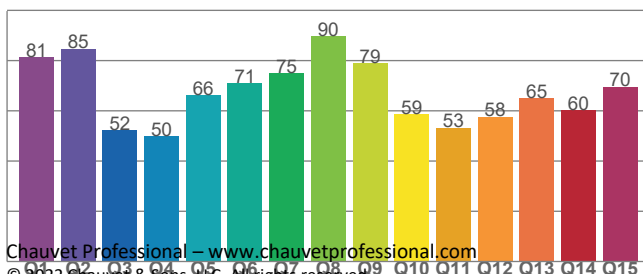
CIE 1931 - Zoom



CRI: 67.4 (R1-R8)



CQS: 65.4



Color Temperature CCT	Color Coordinate CIE 1931 x	Color Coordinate CIE 1931 y
6669 K	0.313	0.311

Color Deviation from Black Body Curve Δuv	Color Coordinate CIE 1964 y	Color Coordinate CIE 1964 u
-0.0093	0.311	0.205

Color Rendering Index CRI	Red Component CRI - R9	Color Quality Scale CQS
67.4	-13.6	65.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut

Photometric & Chromaticity Report

Rogue Outcast 2X Wash: 50% Zoom - White Only - Fan set to ECO - White Mode Calibration OFF

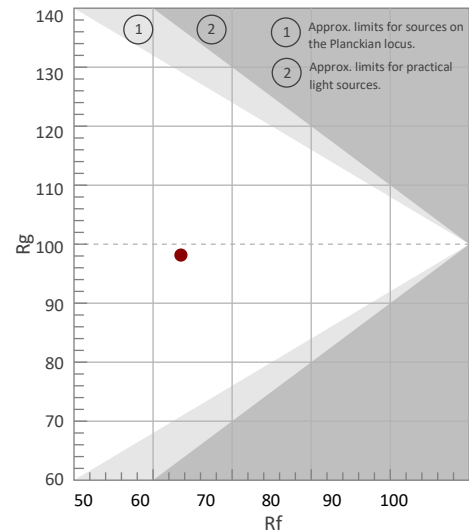
TLCI	TM30 - Rf	TM30 Rg
41	63.5	98.2

TM-30 Details

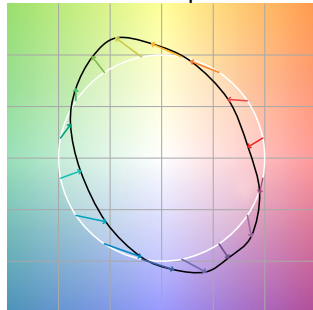
Rf 63.5
Fidelity Index
(Rg)

Rg 98.2
Gammut Index (Rg)

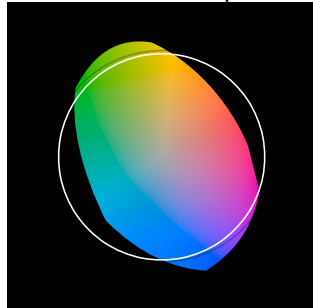
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	70	-16%	-6%
2	67	-15%	11%
3	55	-6%	29%
4	49	7%	31%
5	53	23%	21%
6	73	19%	1%
7	83	7%	-9%
8	73	-7%	-15%
9	76	-20%	-3%
10	57	-21%	21%
11	34	-9%	36%
12	53	4%	32%
13	68	17%	20%
14	72	16%	0%
15	76	14%	-15%
16	76	0%	-14%



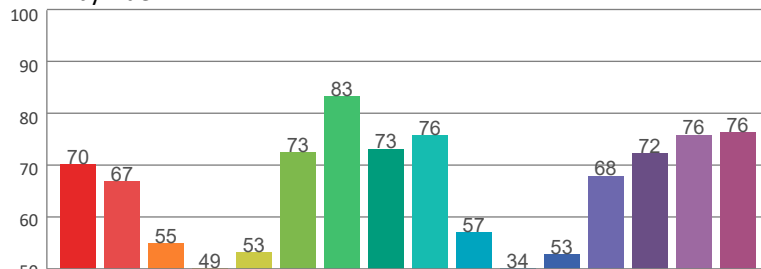
Color Vector Graphic



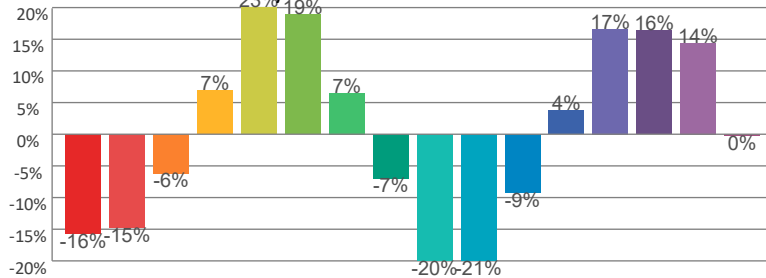
Color Distortion Graphic



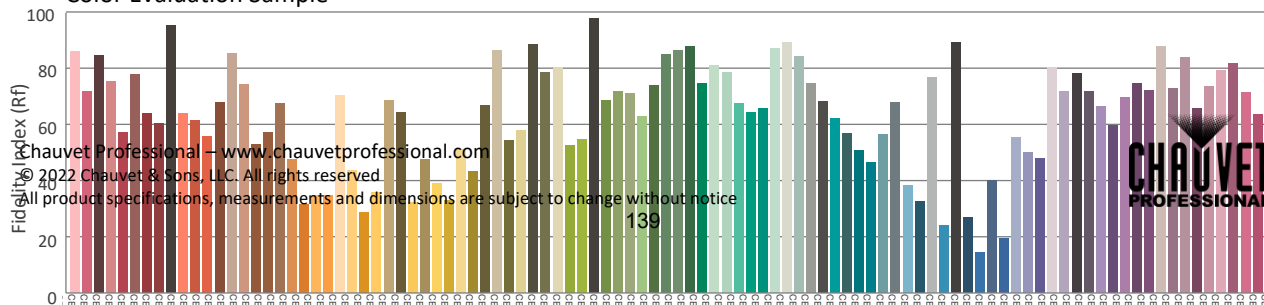
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Contact Us

General Information	Technical Support
World Headquarters	
5200 NW 108 th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
U.K.	
Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Benelux	
Stokstraat 18 9770 Kruishoutem, Belgium Voice: +32 (9) 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
France	
3, Rue Ampère 91380 Chilly-Mazarin, France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetprofessional.eu
Germany	
Bruno-Bürgel-Str. 11 28759 Bremen, Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetprofessional.eu
Mexico	
Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvetlighting.de Website: www.chauvetprofessional.eu

Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of the record.