

MAVERICK STORM

4 SOLOWASH

PHOTOMETRICS REPORT



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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 Davie, 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.

MAVERICK
STORM
4 SOLOWASH

Photometrics & Chromaticity Reports

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power

Report Summary

Measurements

Fixture Output: 71533 lm
Fixture Peak: 119944 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 4798 lux
Color Temperature: 7280 K
CRI: 69.3 CRI R9 Value: -33.2
CQS: 69.4
TLCI: 47
TM-30 Rf: 69.9
TM-30 Rg: 95.0
Beam Angle (50%): 48.6°
Field Angle (10%): 65.9°
Cutoff Angle (3%): 74.1°

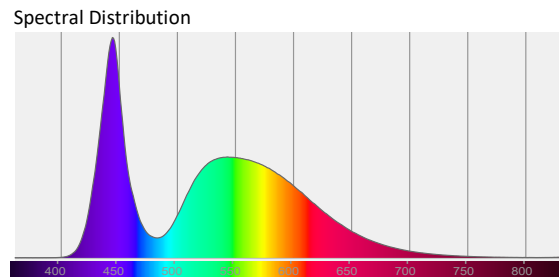
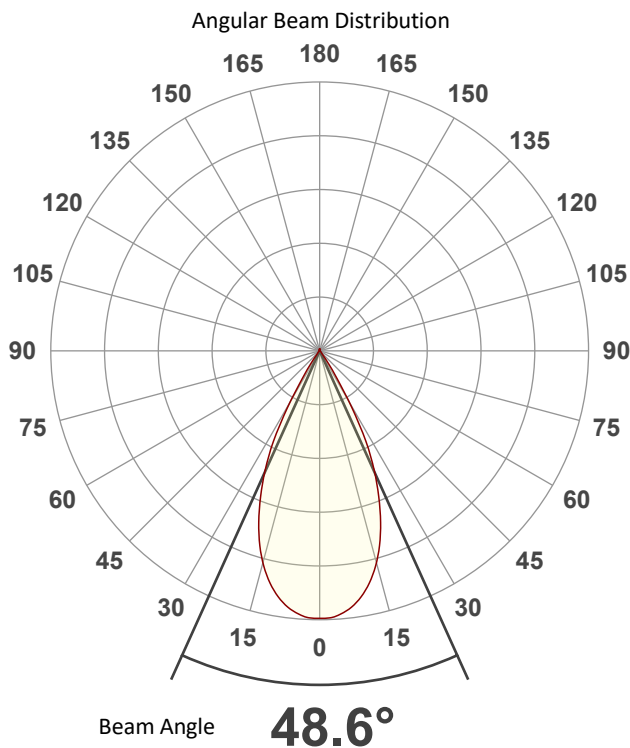


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.302
Y: 0.318

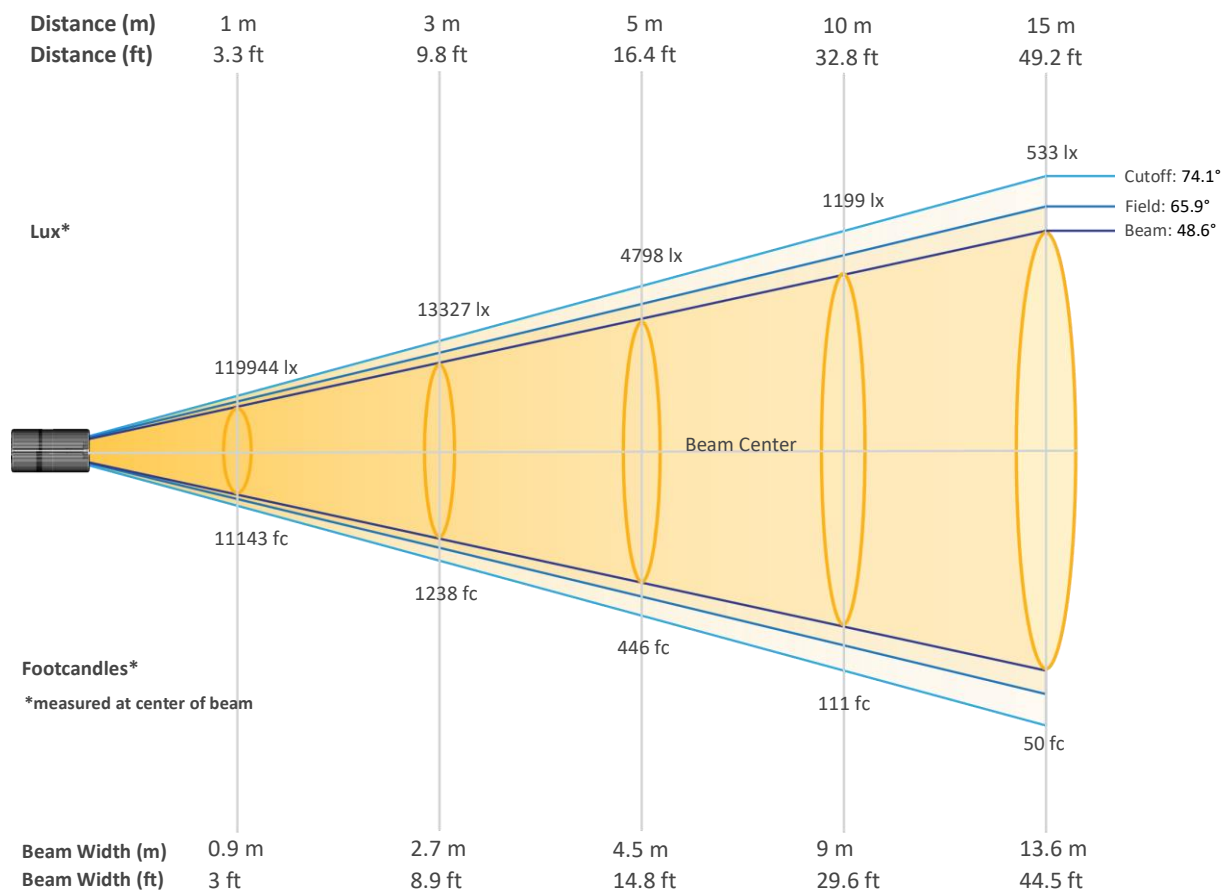
Light Quality
CRI: 69.3

Color Temperature
7280 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power

Beam Details

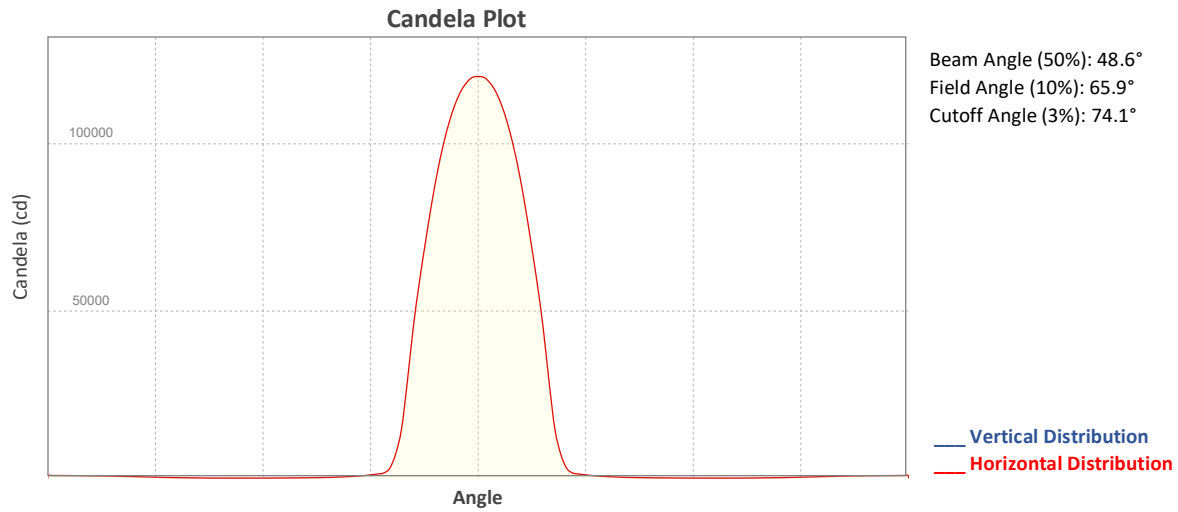


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	119944	29986	13327	7496	4798	3332	2448	1874	1481	1199
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	991	833	710	612	533	469	415	370	332	300
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	11143	2786	1238	696	446	310	227	174	138	111
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	92	77	66	57	50	44	39	34	31	28

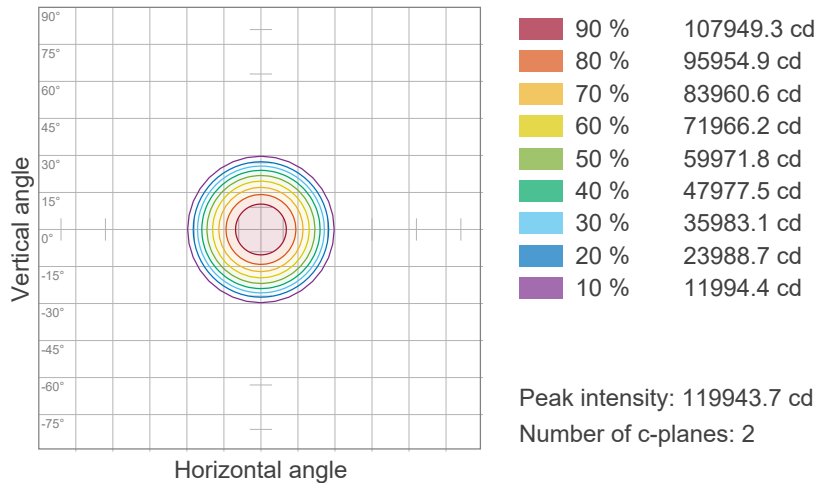
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power

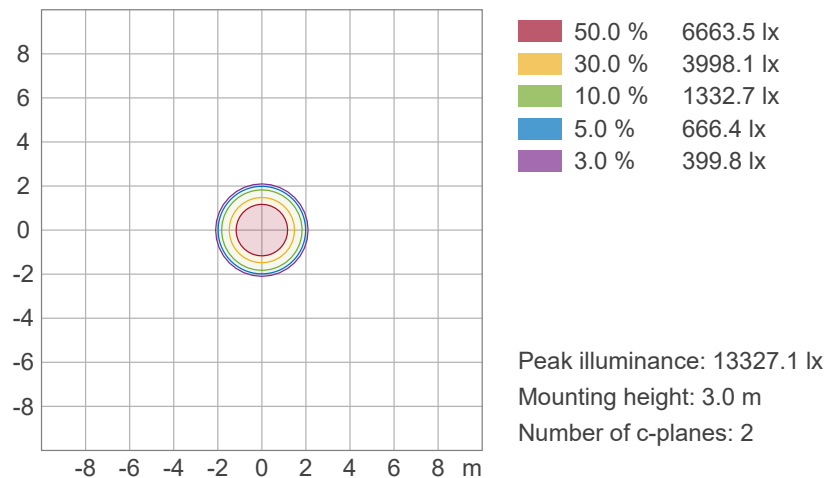


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

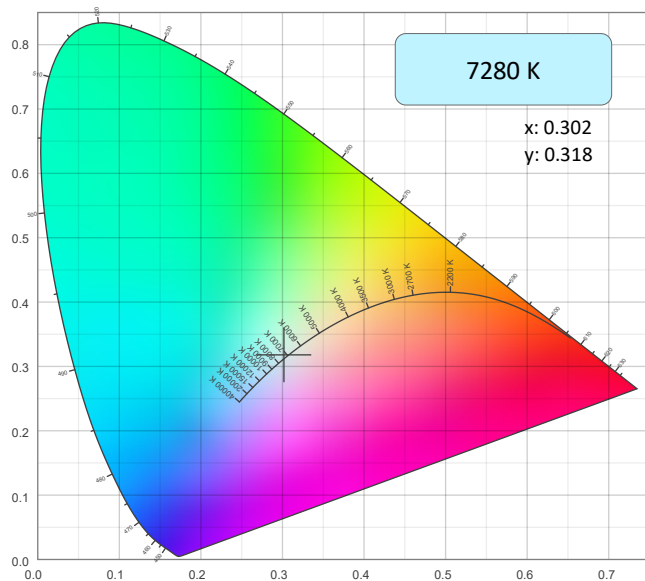


Photometric & Chromaticity Report

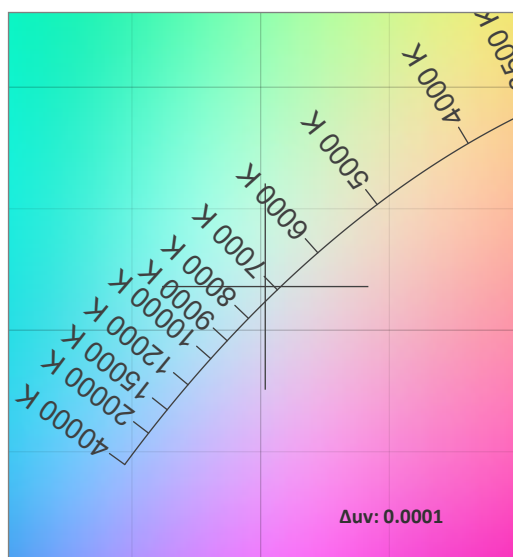
Maverick Storm 4 Solo Wash: Full Flood - Full Power

Chromaticity

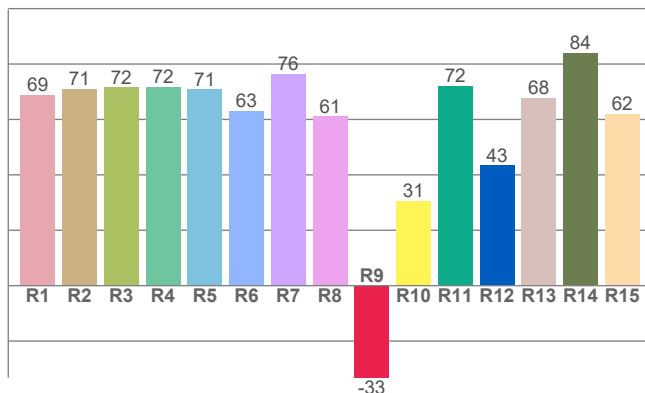
CIE 1931



CIE 1931 - Zoom



CRI: 69.3 (R1-R8)

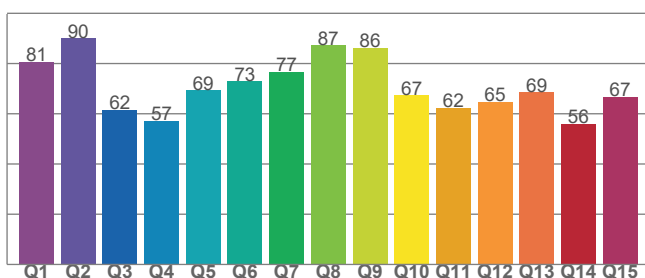


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7280 K	0.302	0.318

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0001	0.318	0.194

CQS: 69.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.3	-33.2	69.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	69.9	95.0

Photometric & Chromaticity Report

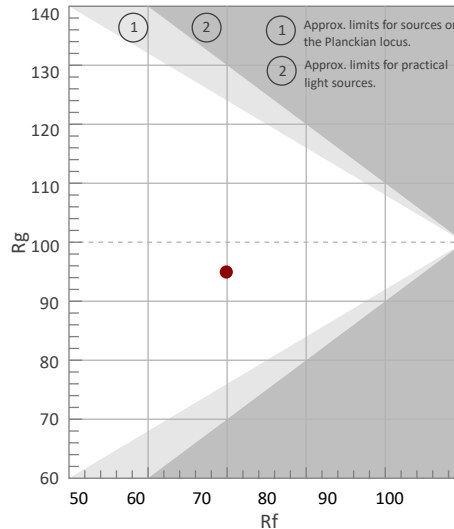
Maverick Storm 4 Solo Wash: Full Flood - Full Power

TM-30 Details

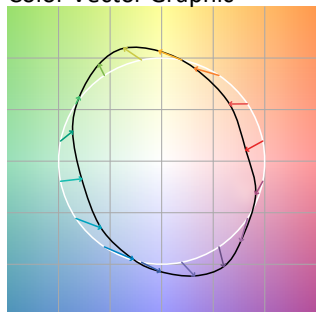
Rf 69.9
Fidelity Index (Rg)

Rg 95.0
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-6%
2	69	-14%	10%
3	63	-7%	23%
4	62	4%	23%
5	69	15%	14%
6	81	12%	-1%
7	89	1%	-7%
8	75	-10%	-12%
9	76	-21%	2%
10	64	-15%	21%
11	40	-6%	30%
12	66	5%	19%
13	79	15%	9%
14	77	18%	-7%
15	71	7%	-22%
16	74	-4%	-14%



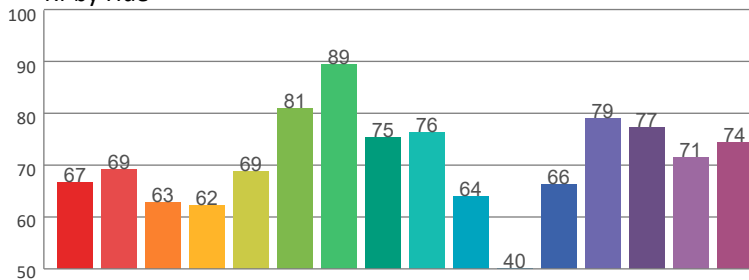
Color Vector Graphic



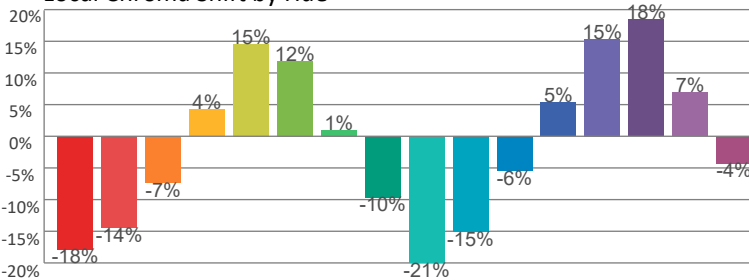
Color Distortion Graphic



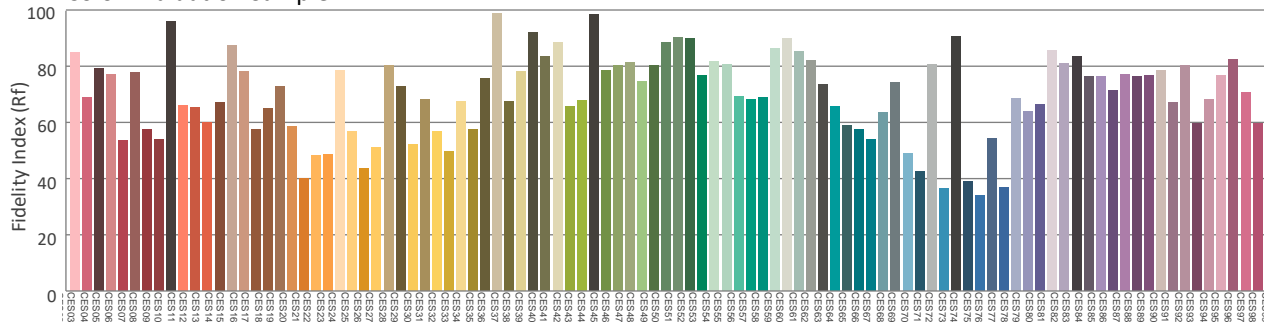
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - Auto

Report Summary

Measurements

Fixture Output: 71495 lm
Fixture Peak: 119351 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 4774 lux
Color Temperature: 7284 K
CRI: 69.4 CRI R9 Value: -32.9
CQS: 69.4
TLCI: 47
TM-30 Rf: 70.0
TM-30 Rg: 94.9
Beam Angle (50%): 48.8°
Field Angle (10%): 66.2°
Cutoff Angle (3%): 74.4°

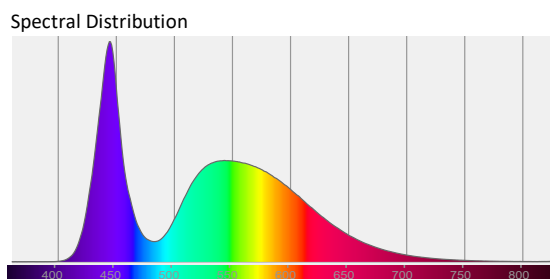
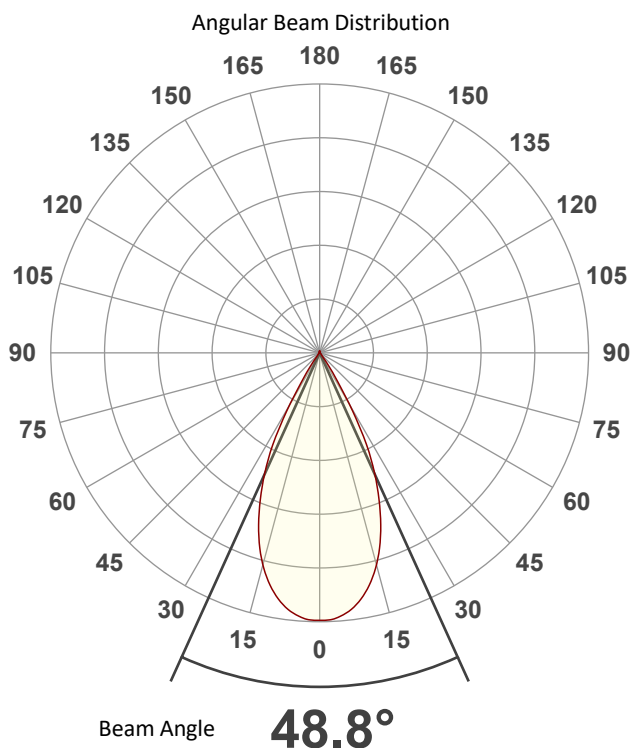


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

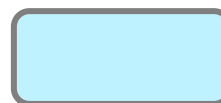
Overall Measurement



Tested Color (CIE 1931):

X: 0.302

Y: 0.318



Light Quality

CRI: 69.4

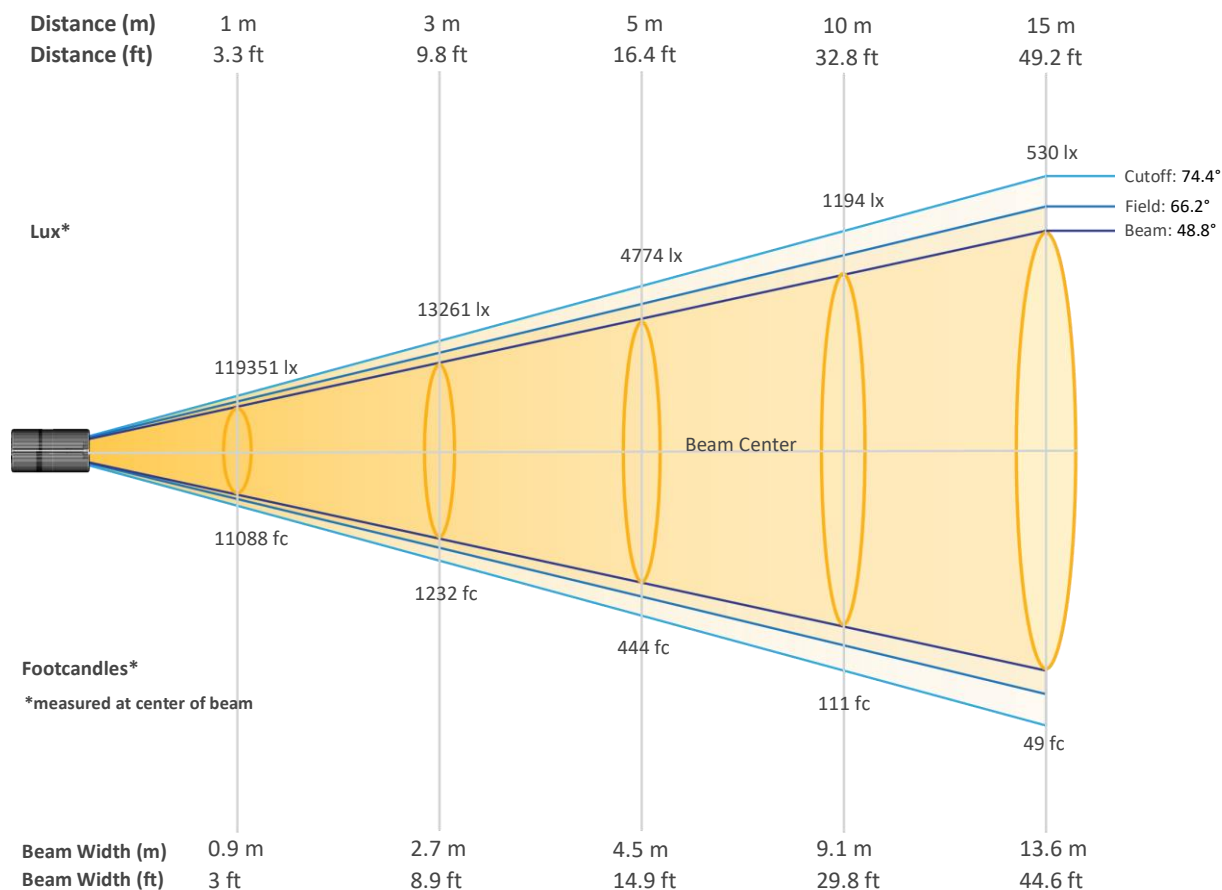
Color Temperature

7284 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - Auto

Beam Details

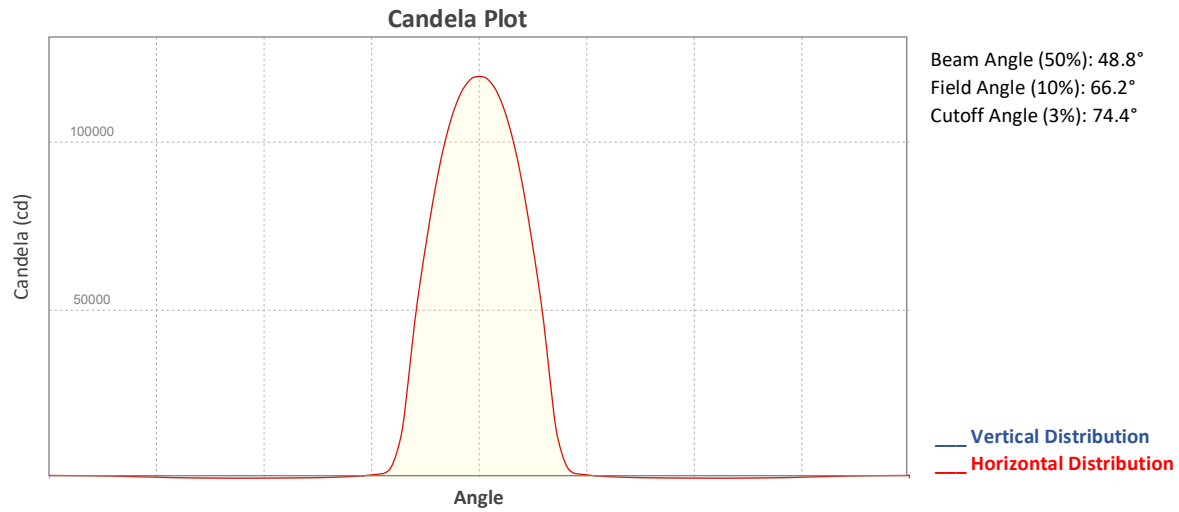


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	119351	29838	13261	7459	4774	3315	2436	1865	1473	1194
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	986	829	706	609	530	466	413	368	331	298
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	11088	2772	1232	693	444	308	226	173	137	111
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	92	77	66	57	49	43	38	34	31	28

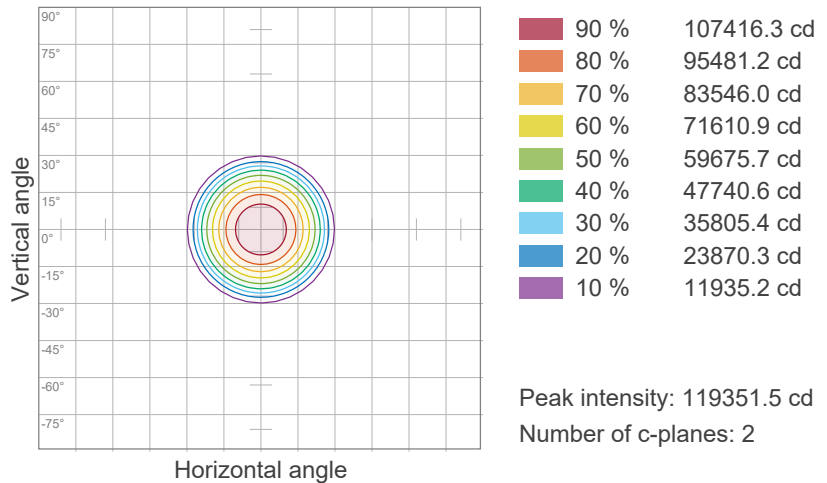
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - Auto

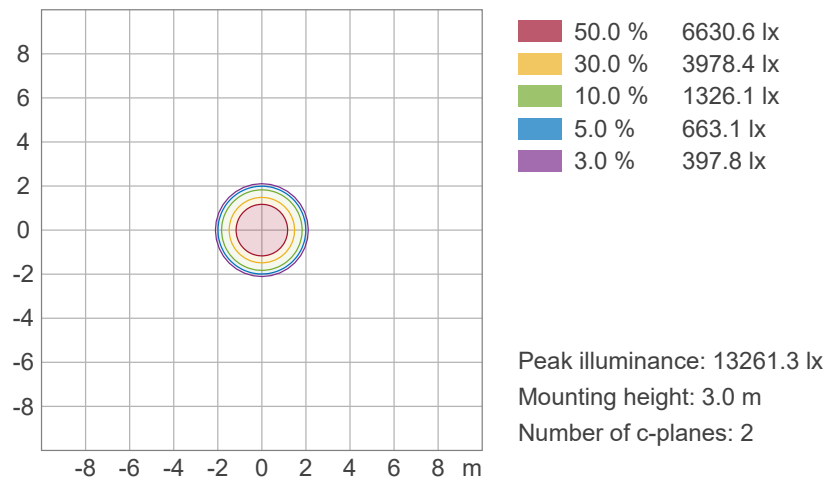


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

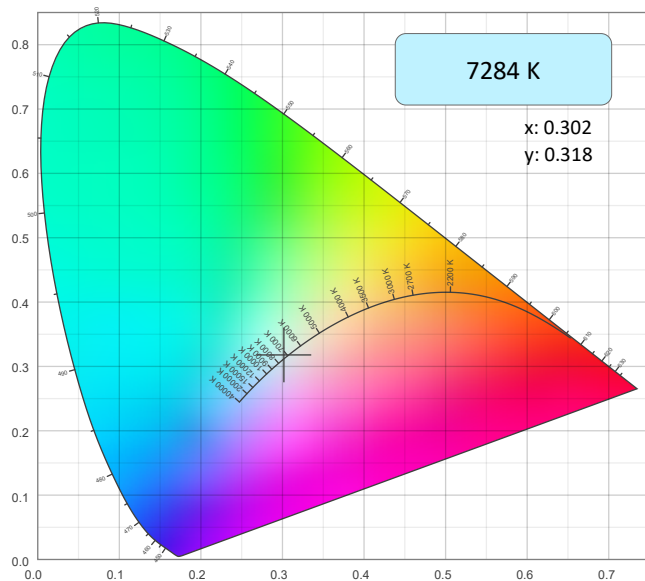


Photometric & Chromaticity Report

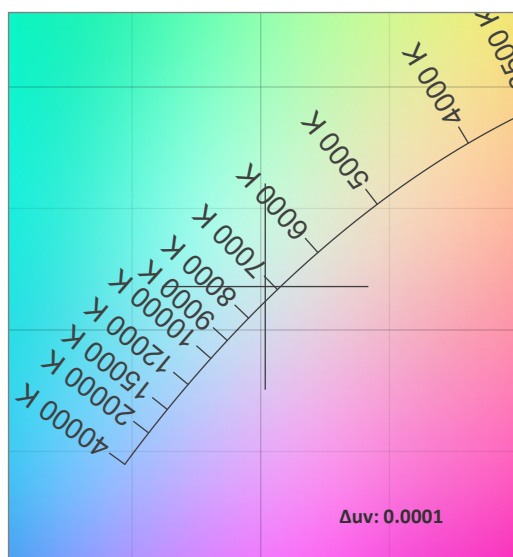
Maverick Storm 4 Solo Wash: Full Flood - Full Power - Auto

Chromaticity

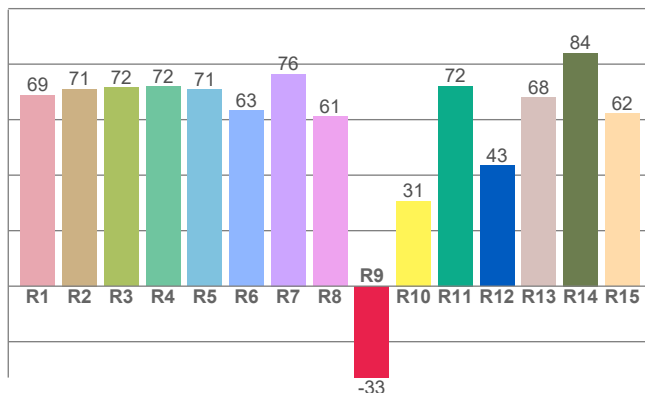
CIE 1931



CIE 1931 - Zoom



CRI: 69.4 (R1-R8)

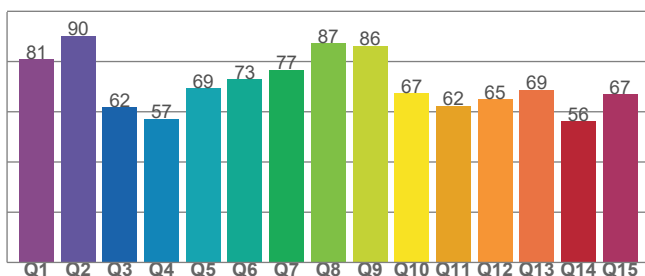


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7284 K	0.302	0.318

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0001	0.318	0.194

CQS: 69.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.4	-32.9	69.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	70.0	94.9

Photometric & Chromaticity Report

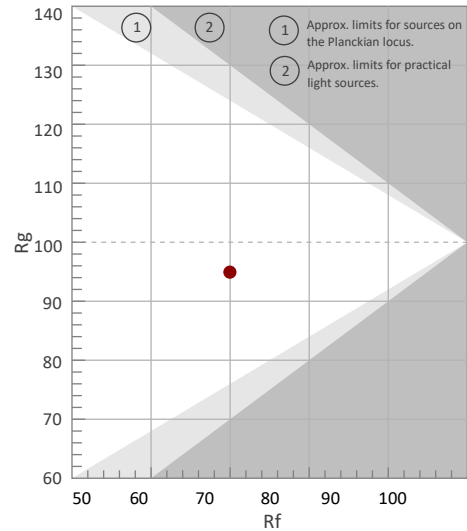
Maverick Storm 4 Solo Wash: Full Flood - Full Power - Auto

TM-30 Details

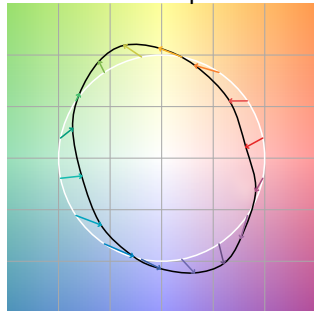
Rf 70.0
Fidelity Index (Rg)

Rg 94.9
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-6%
2	69	-14%	10%
3	63	-7%	23%
4	62	4%	23%
5	69	14%	14%
6	81	12%	-1%
7	89	1%	-7%
8	75	-10%	-11%
9	76	-21%	2%
10	64	-15%	21%
11	40	-5%	30%
12	66	5%	19%
13	79	15%	9%
14	77	18%	-7%
15	71	7%	-22%
16	74	-4%	-13%



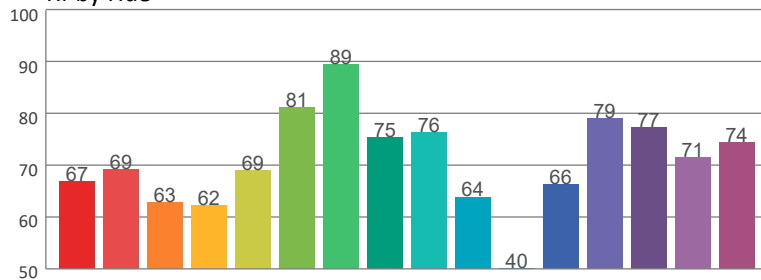
Color Vector Graphic



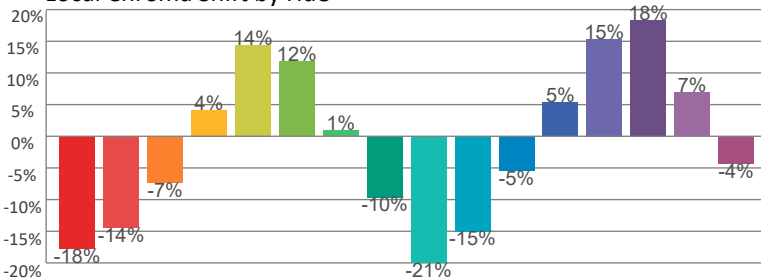
Color Distortion Graphic



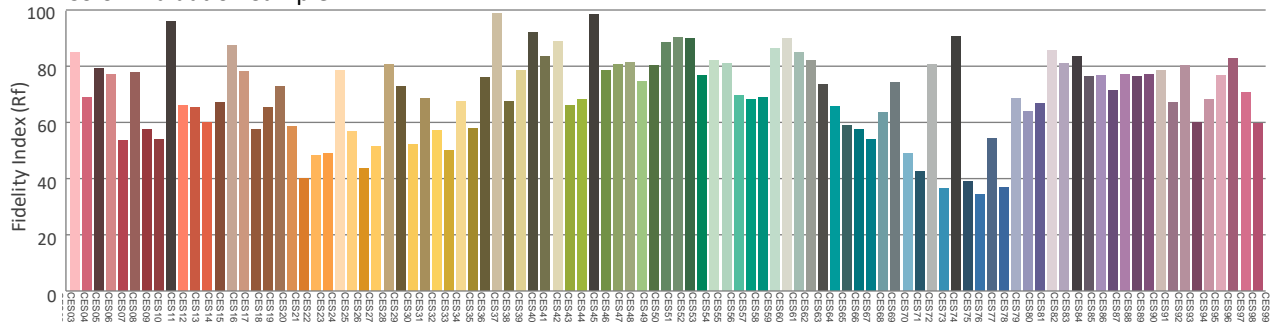
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - ECO

Report Summary

Measurements

Fixture Output: 67411 lm
Fixture Peak: 112097 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 4484 lux
Color Temperature: 7300 K
CRI: 69.5 CRI R9 Value: -32.5
CQS: 69.5
TLCI: 47
TM-30 Rf: 70.1
TM-30 Rg: 94.9
Beam Angle (50%): 48.8°
Field Angle (10%): 66.5°
Cutoff Angle (3%): 75.5°

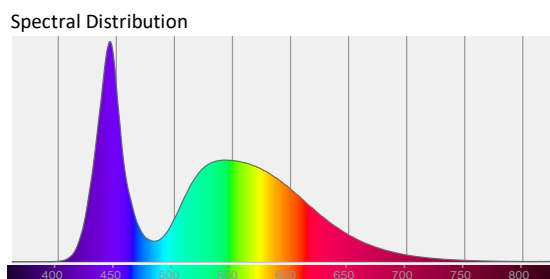
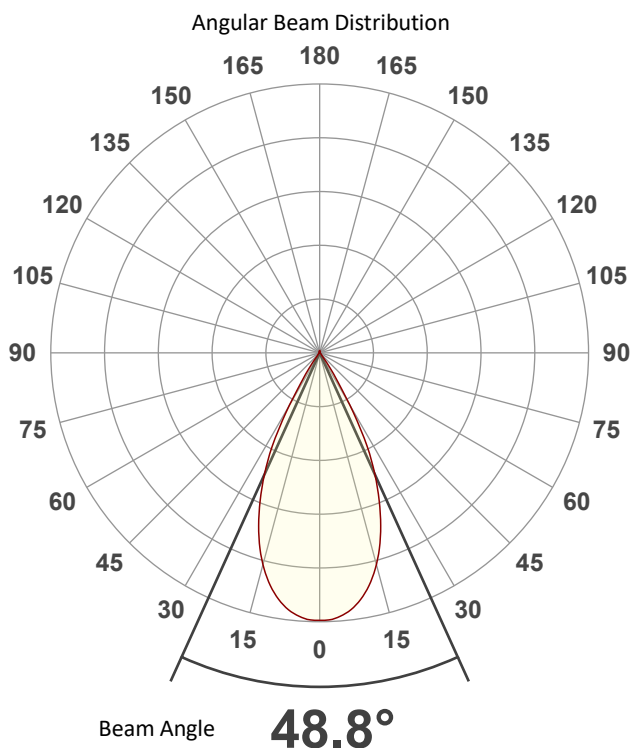


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

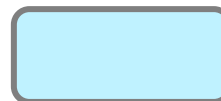
Overall Measurement



Tested Color (CIE 1931):

X: 0.302

Y: 0.318



Light Quality

CRI: 69.5

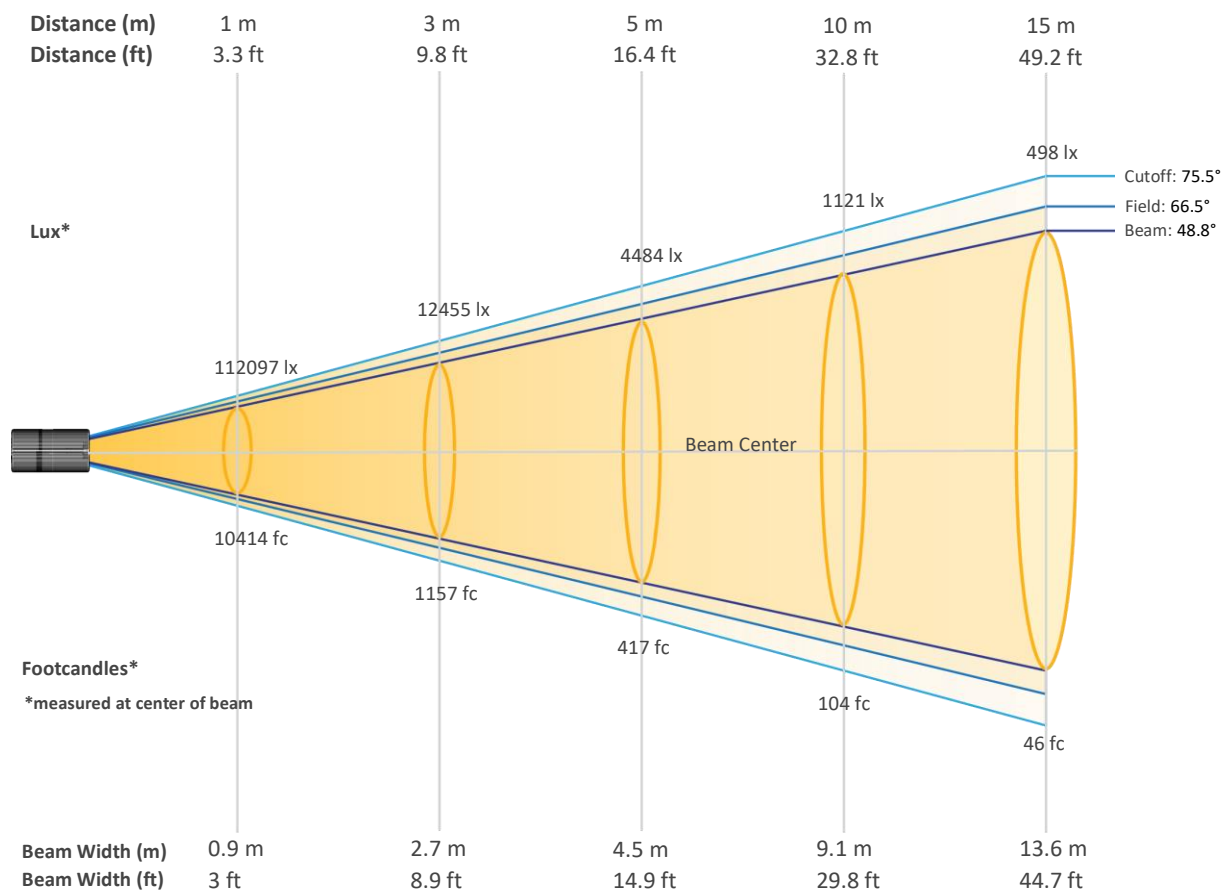
Color Temperature

7300 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - ECO

Beam Details

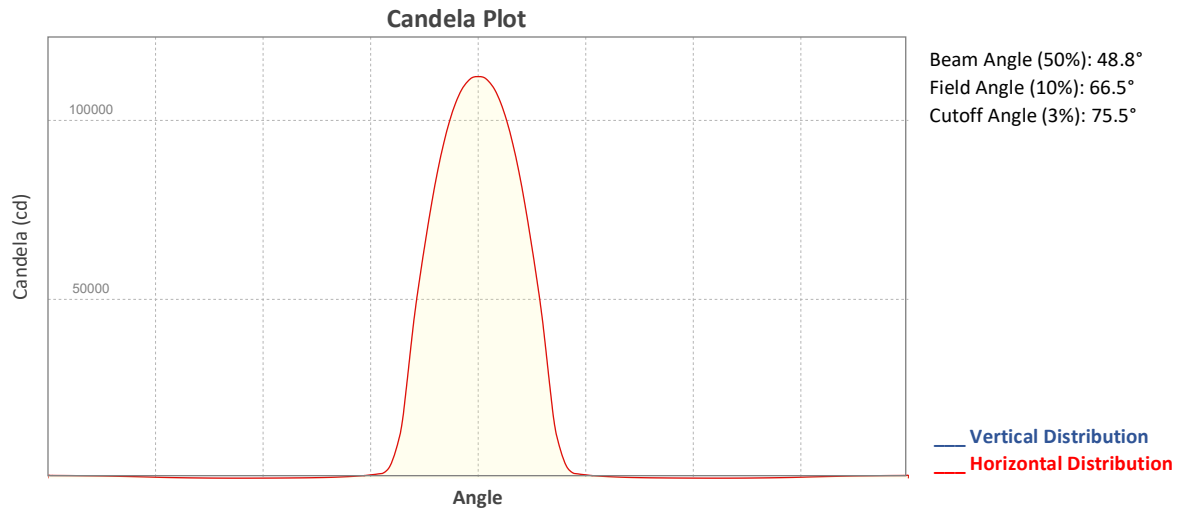


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	112097	28024	12455	7006	4484	3114	2288	1752	1384	1121
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	926	778	663	572	498	438	388	346	311	280
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	10414	2604	1157	651	417	289	213	163	129	104
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	86	72	62	53	46	41	36	32	29	26

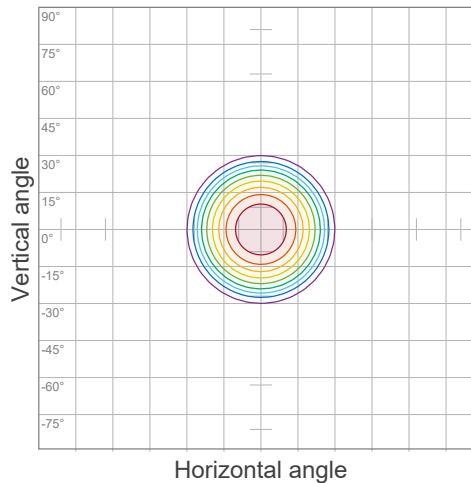
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - ECO



ISO Diagrams

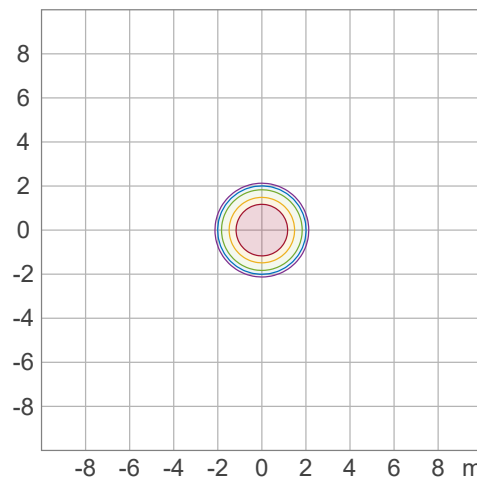
ISO Candela Diagram



90 %	100887.3 cd
80 %	89677.6 cd
70 %	78467.9 cd
60 %	67258.2 cd
50 %	56048.5 cd
40 %	44838.8 cd
30 %	33629.1 cd
20 %	22419.4 cd
10 %	11209.7 cd

Peak intensity: 112097.0 cd
 Number of c-planes: 2

ISO Lux Diagram



50.0 %	6227.6 lx
30.0 %	3736.6 lx
10.0 %	1245.5 lx
5.0 %	622.8 lx
3.0 %	373.7 lx

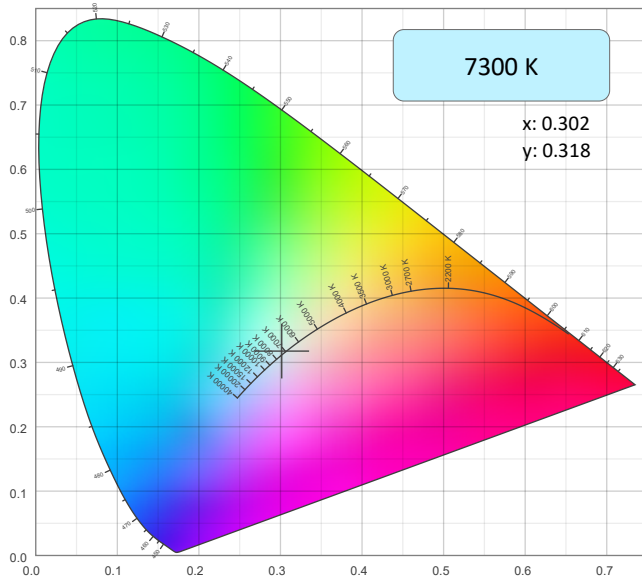
Peak illuminance: 12455.2 lx
 Mounting height: 3.0 m
 Number of c-planes: 2

Photometric & Chromaticity Report

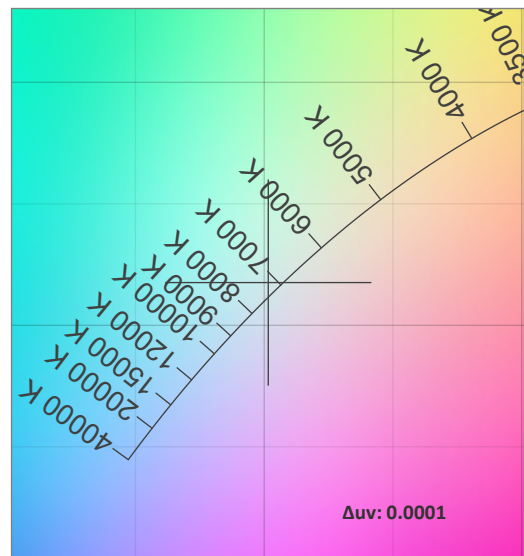
Maverick Storm 4 Solo Wash: Full Flood - Full Power - ECO

Chromaticity

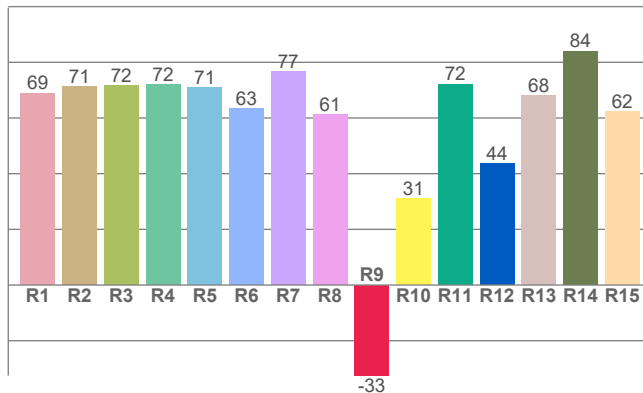
CIE 1931



CIE 1931 - Zoom



CRI: 69.5 (R1-R8)

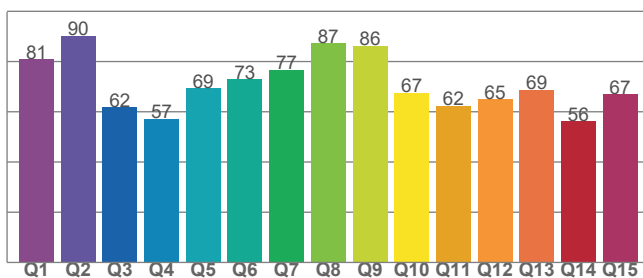


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7300 K	0.302	0.318

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0001	0.318	0.194

CQS: 69.5



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.5	-32.5	69.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	70.1	94.9



Photometric & Chromaticity Report

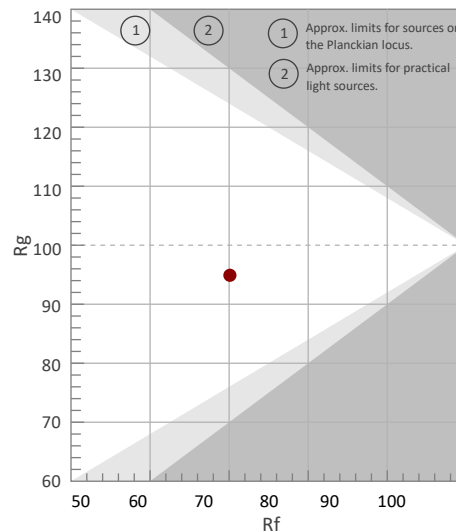
Maverick Storm 4 Solo Wash: Full Flood - Full Power - ECO

TM-30 Details

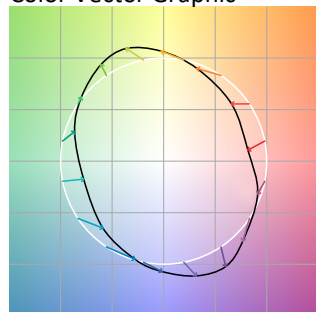
Rf 70.1
Fidelity Index
(Rg)

Rg 94.9
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-6%
2	69	-14%	10%
3	63	-7%	23%
4	62	4%	23%
5	69	14%	14%
6	81	12%	-1%
7	90	1%	-7%
8	76	-10%	-11%
9	76	-20%	2%
10	64	-15%	21%
11	40	-5%	30%
12	67	5%	19%
13	79	15%	9%
14	77	18%	-7%
15	72	7%	-22%
16	75	-4%	-13%



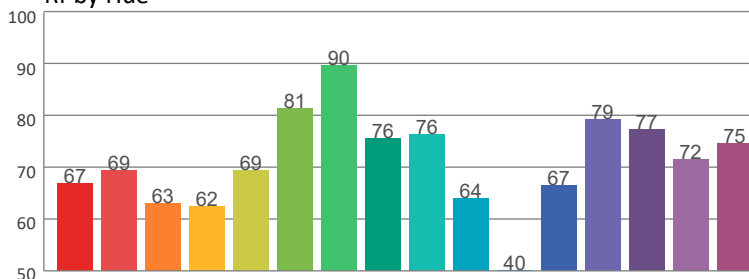
Color Vector Graphic



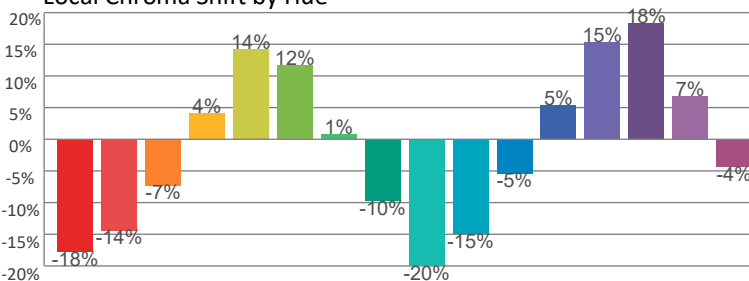
Color Distortion Graphic



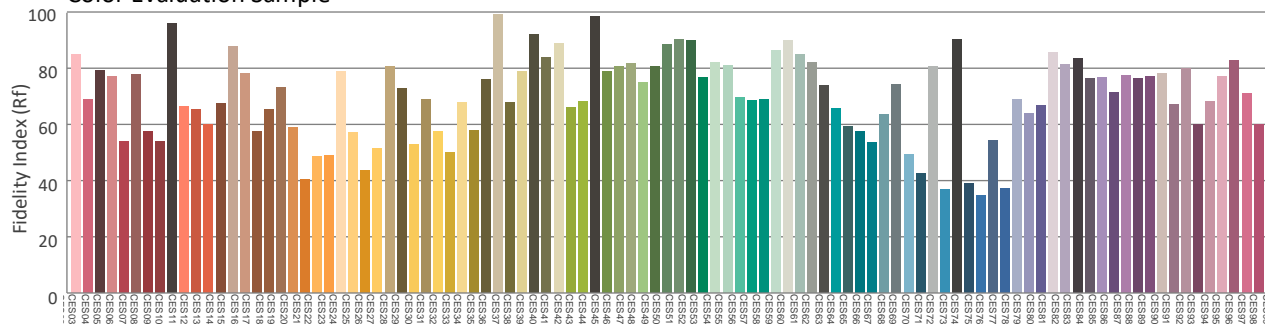
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV25

Report Summary

Measurements

Fixture Output: 45861 lm
Fixture Peak: 76157 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 3046 lux
Color Temperature: 7188 K
CRI: 68.7 CRI R9 Value: -35.8
CQS: 69.2
TLCI: 46
TM-30 Rf: 69.4
TM-30 Rg: 94.9
Beam Angle (50%): 49.2°
Field Angle (10%): 65.6°
Cutoff Angle (3%): 74°

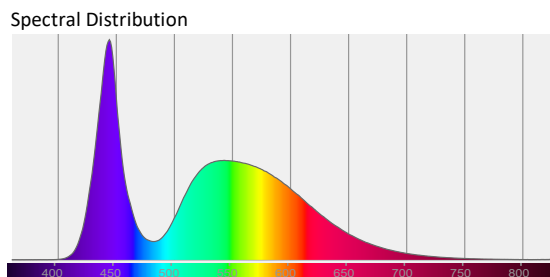
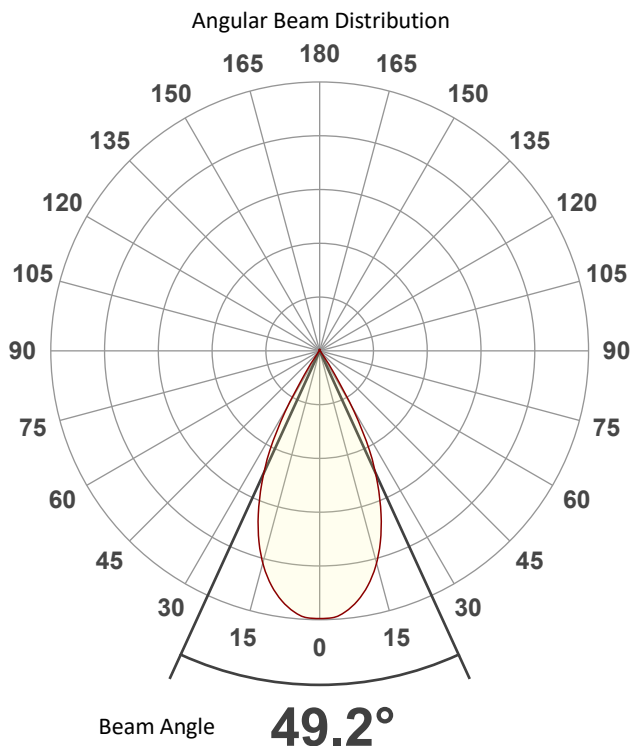


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

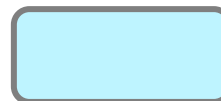
Overall Measurement



Tested Color (CIE 1931):

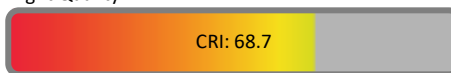
X: 0.303

Y: 0.320



Light Quality

CRI: 68.7



Color Temperature

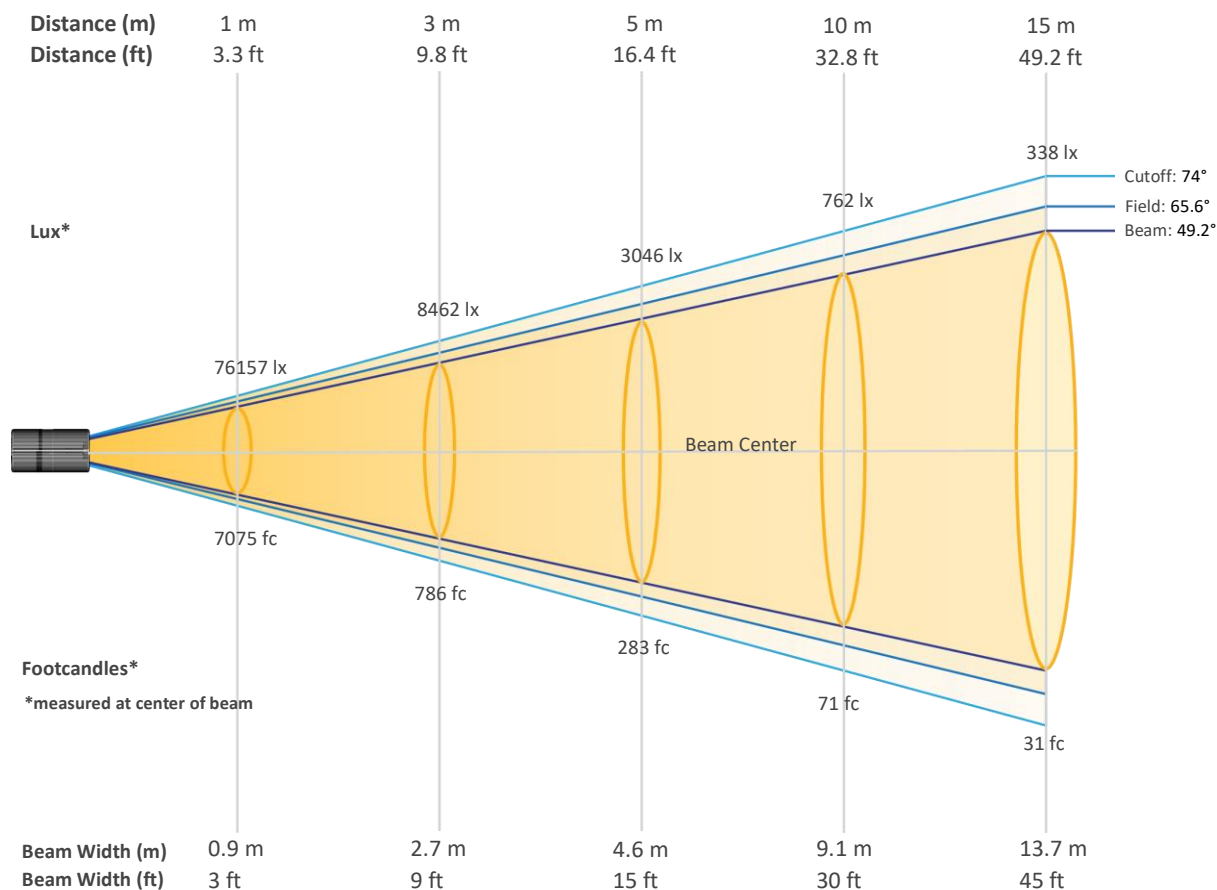
7188 K



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV25

Beam Details

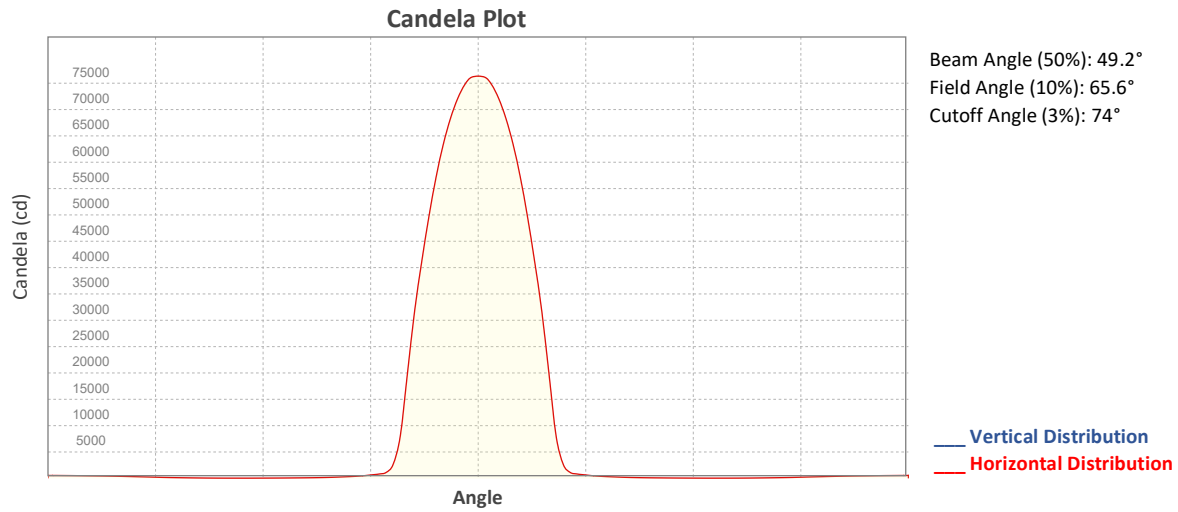


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	76157	19039	8462	4760	3046	2115	1554	1190	940	762
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	629	529	451	389	338	297	264	235	211	190
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	7075	1769	786	442	283	197	144	111	87	71
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	58	49	42	36	31	28	24	22	20	18

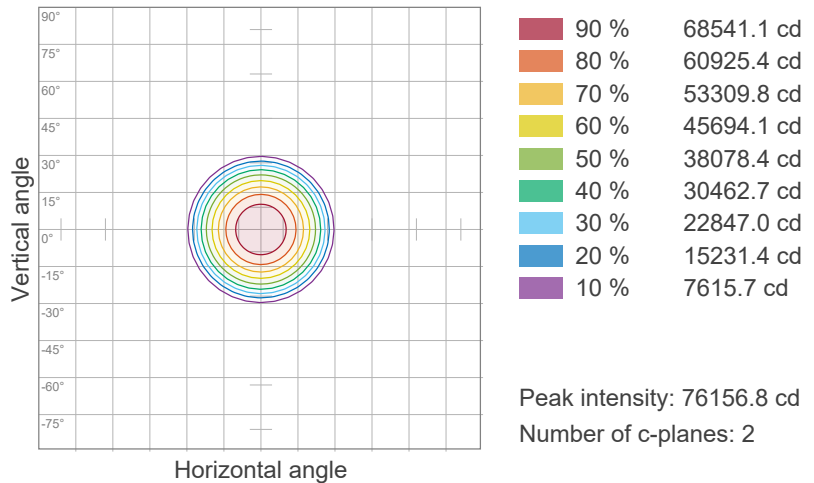
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV25

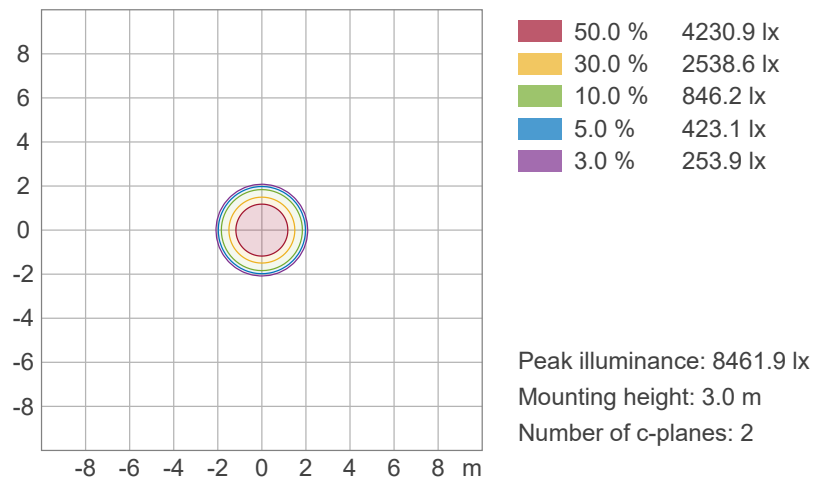


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

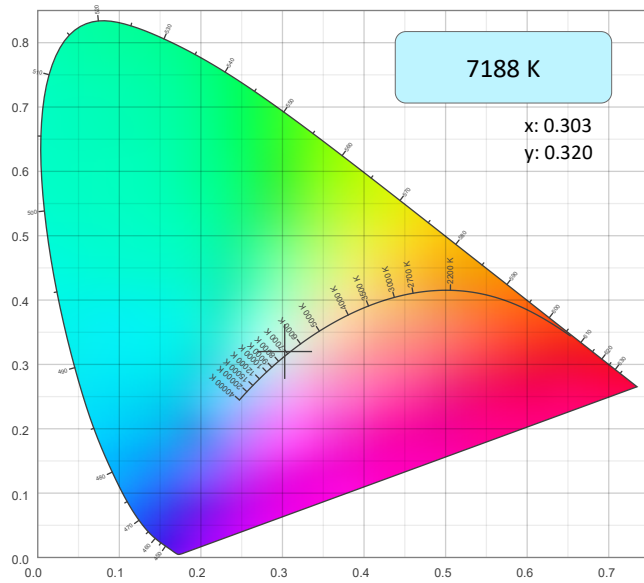


Photometric & Chromaticity Report

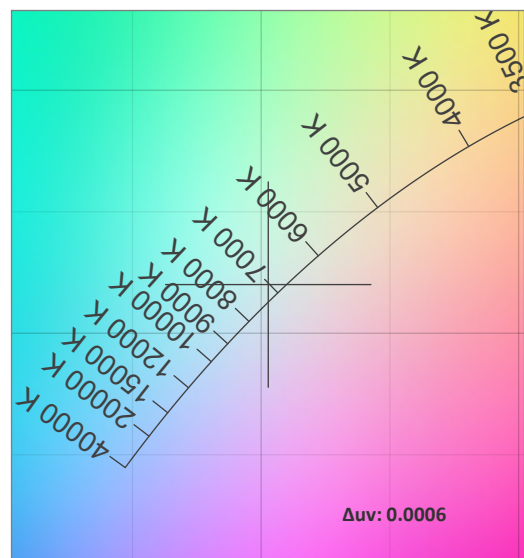
Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV25

Chromaticity

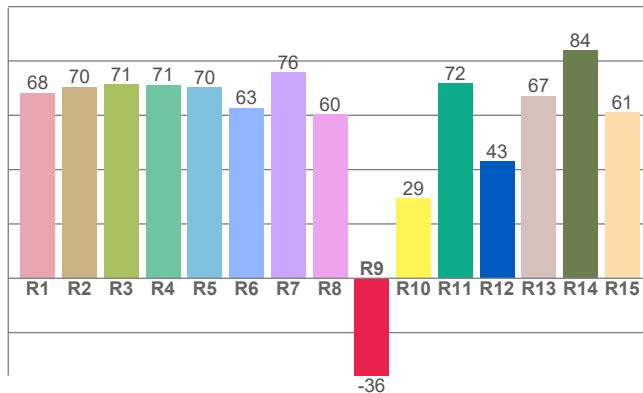
CIE 1931



CIE 1931 - Zoom



CRI: 68.7 (R1-R8)

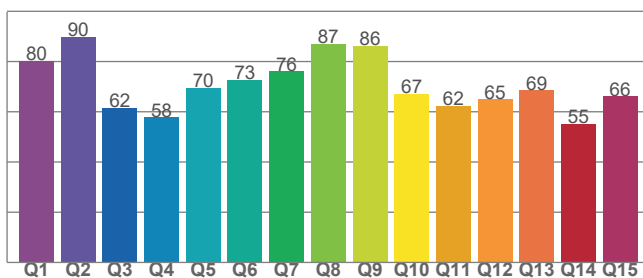


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7188 K	0.303	0.320

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0006	0.320	0.194

CQS: 69.2



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.7	-35.8	69.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
46	69.4	94.9

Photometric & Chromaticity Report

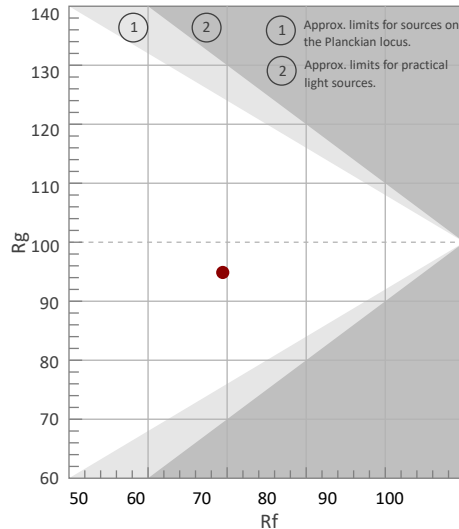
Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV25

TM-30 Details

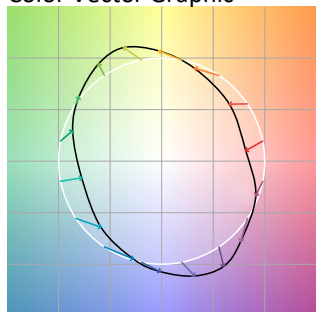
Rf 69.4
Fidelity Index
(Rg)

Rg 94.9
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	66	-18%	-6%
2	69	-15%	9%
3	62	-7%	24%
4	62	4%	24%
5	68	15%	15%
6	80	12%	-1%
7	89	1%	-8%
8	74	-10%	-12%
9	76	-21%	1%
10	64	-15%	21%
11	40	-6%	30%
12	66	5%	20%
13	79	15%	10%
14	77	18%	-7%
15	70	7%	-22%
16	74	-4%	-15%



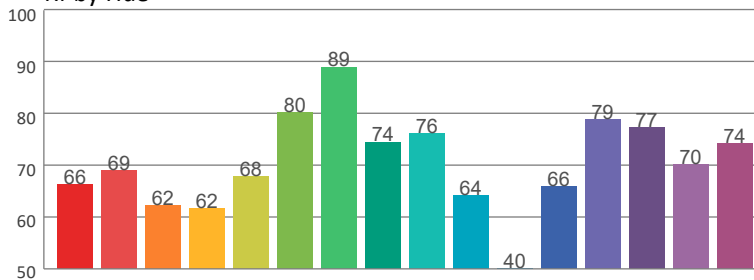
Color Vector Graphic



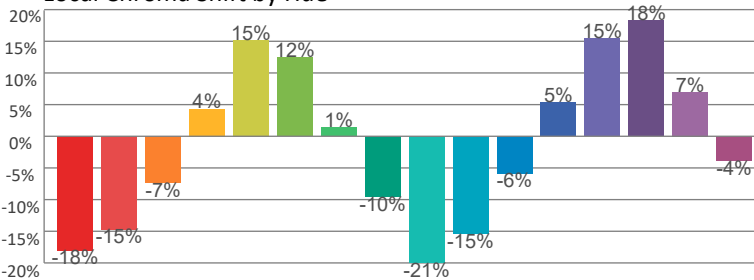
Color Distortion Graphic



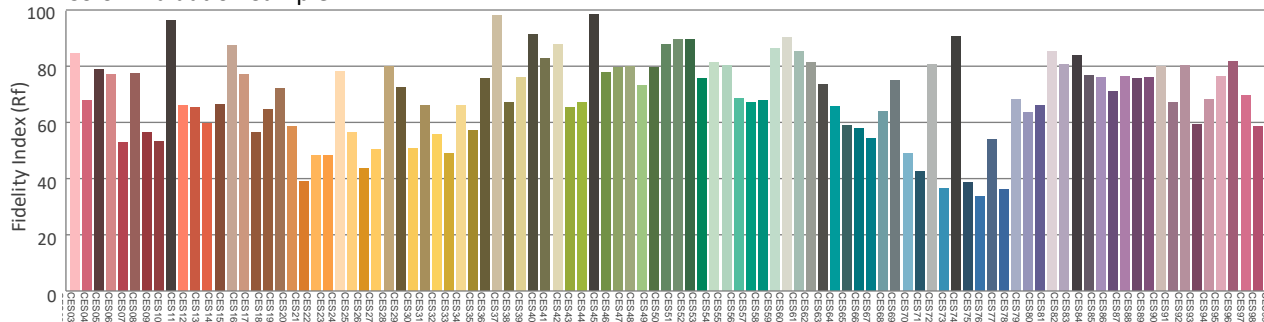
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV35

Report Summary

Measurements

Fixture Output: 33668 lm
Fixture Peak: 59227 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 2369 lux
Color Temperature: 7130 K
CRI: 68.3 CRI R9 Value: -37.7
CQS: 69.1
TLCI: 45
TM-30 Rf: 69.1
TM-30 Rg: 94.9
Beam Angle (50%): 46.8°
Field Angle (10%): 65.2°
Cutoff Angle (3%): 73.7°

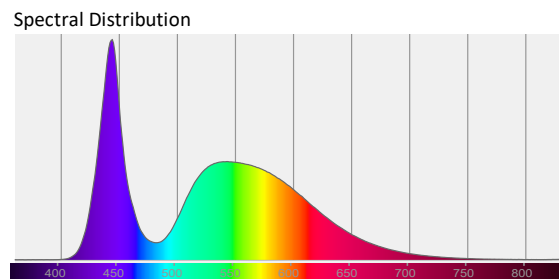
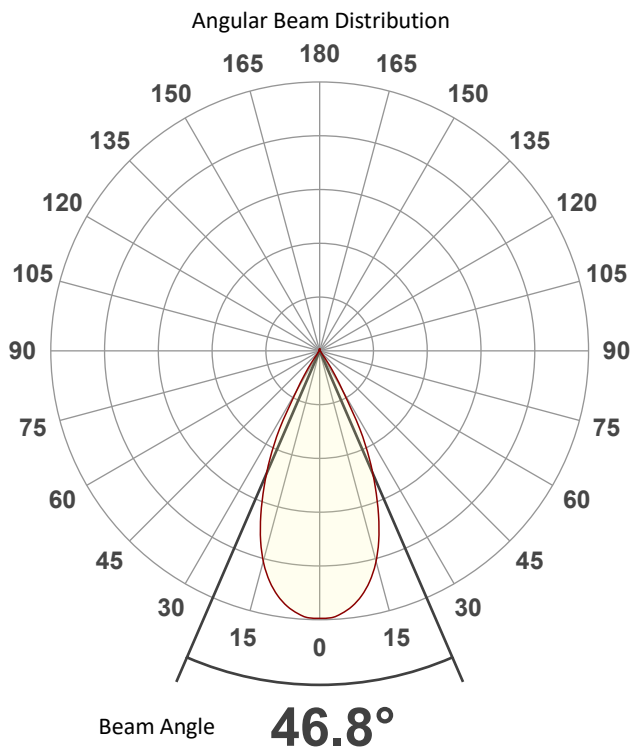


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

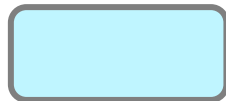
Overall Measurement



Tested Color (CIE 1931):

X: 0.303

Y: 0.321



Light Quality

CRI: 68.3

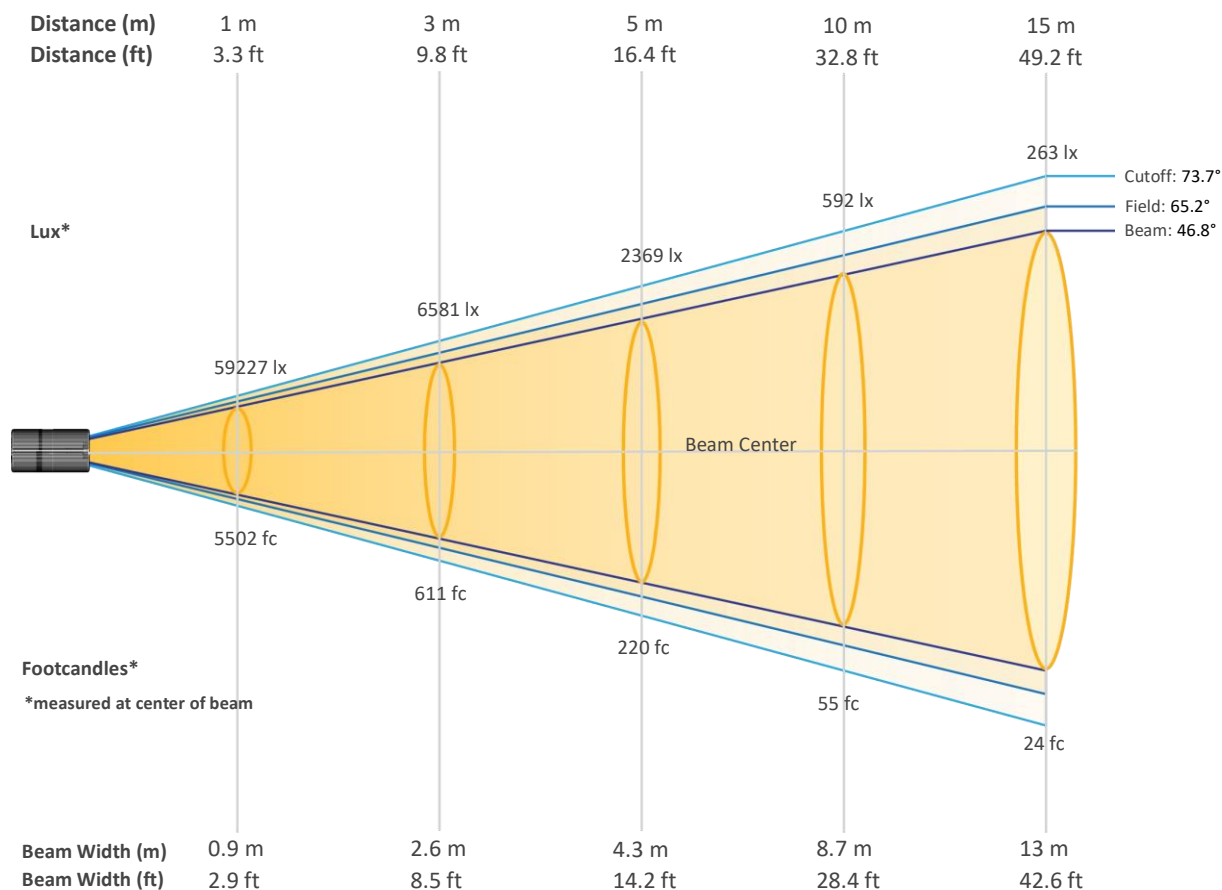
Color Temperature

7130 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV35

Beam Details

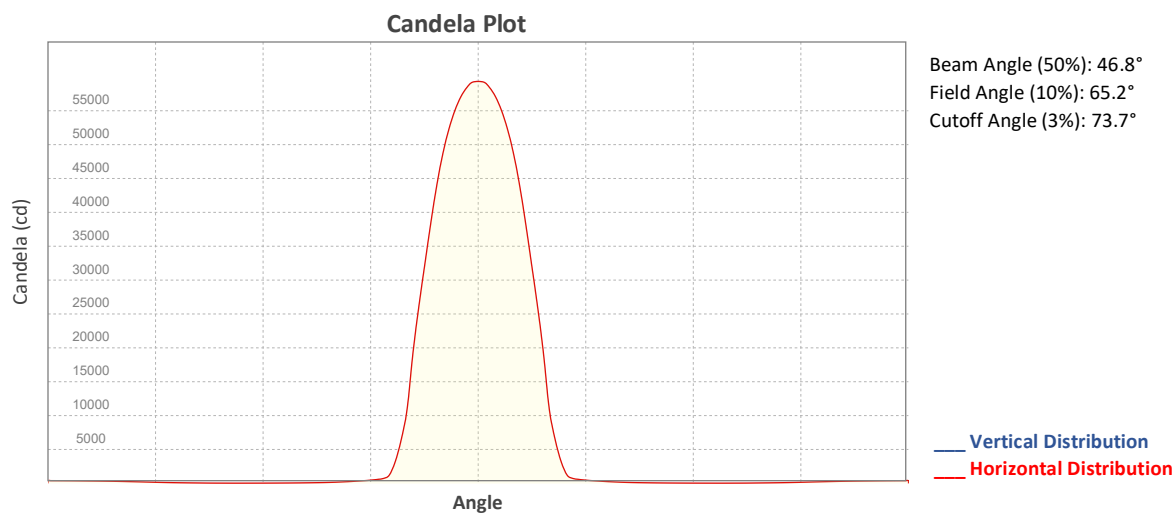


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	59227	14807	6581	3702	2369	1645	1209	925	731	592
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	489	411	350	302	263	231	205	183	164	148
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5502	1376	611	344	220	153	112	86	68	55
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	45	38	33	28	24	21	19	17	15	14

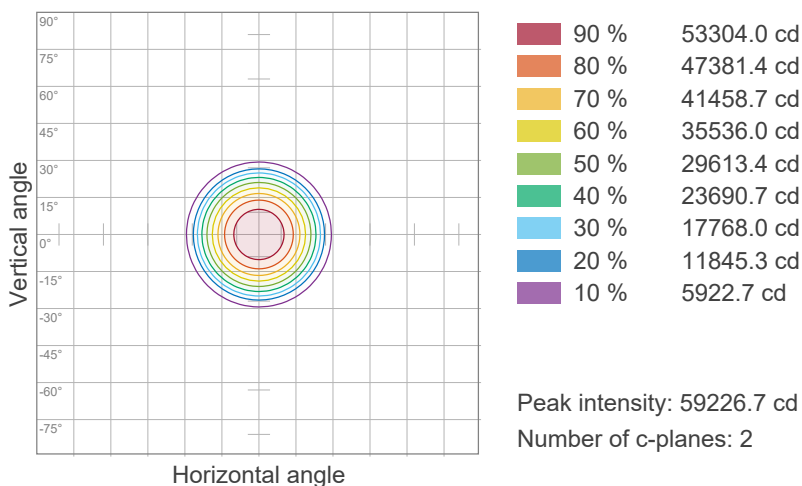
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV35

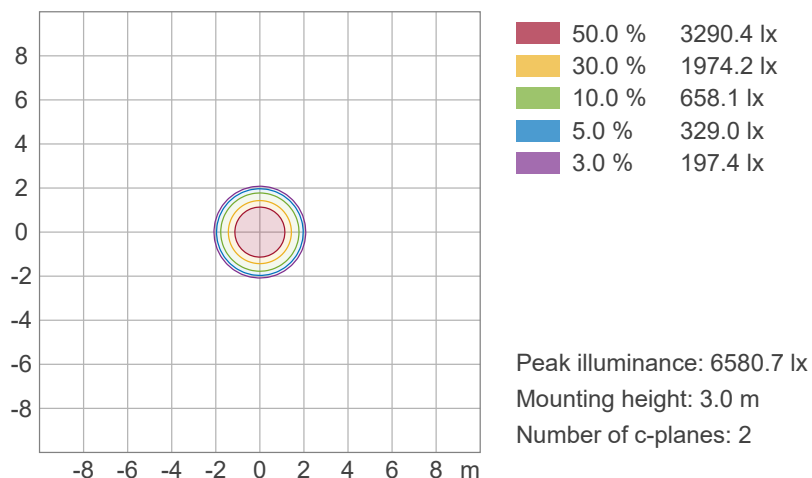


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

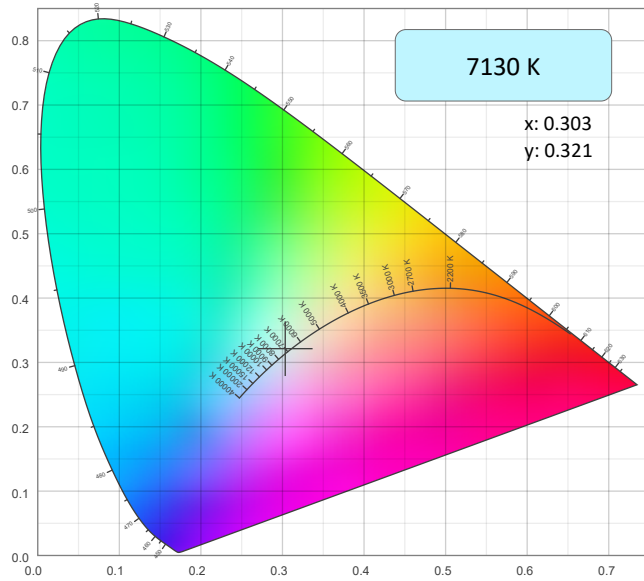


Photometric & Chromaticity Report

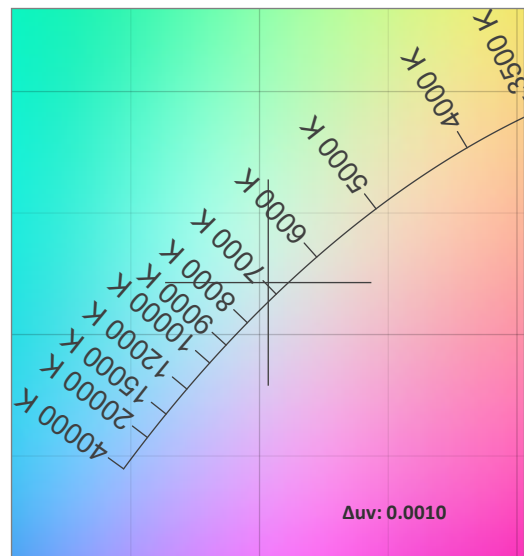
Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV35

Chromaticity

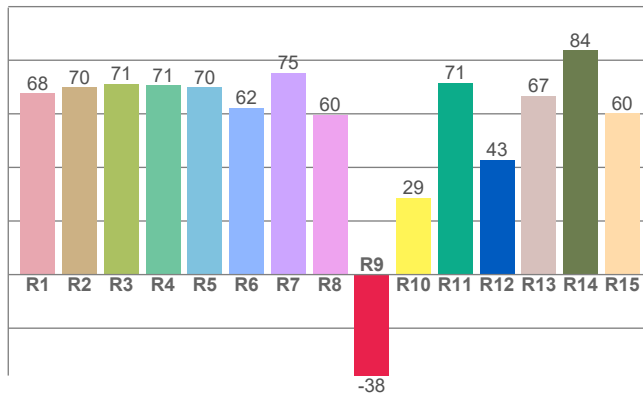
CIE 1931



CIE 1931 - Zoom



CRI: 68.3 (R1-R8)

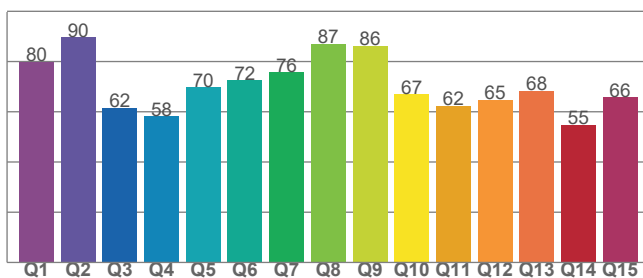


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7130 K	0.303	0.321

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0010	0.321	0.194

CQS: 69.1



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.3	-37.7	69.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
45	69.1	94.9

Photometric & Chromaticity Report

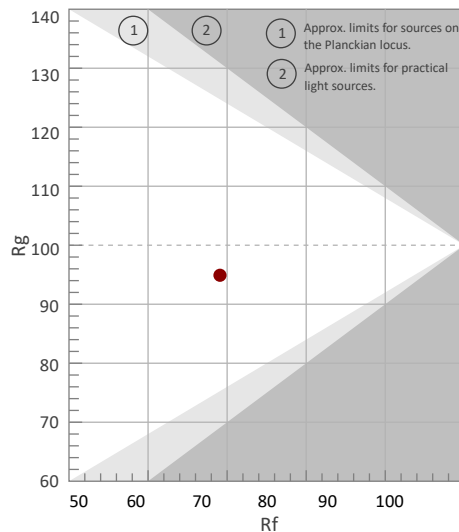
Maverick Storm 4 Solo Wash: Full Flood - Full Power - TV35

TM-30 Details

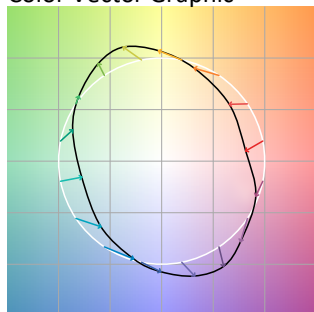
Rf 69.1
Fidelity Index
(Rg)

Rg 94.9
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	66	-18%	-6%
2	69	-15%	9%
3	62	-7%	24%
4	61	4%	24%
5	67	16%	15%
6	80	13%	-2%
7	89	2%	-8%
8	74	-9%	-13%
9	76	-21%	0%
10	64	-16%	20%
11	39	-6%	30%
12	66	5%	20%
13	79	15%	10%
14	77	18%	-7%
15	70	7%	-22%
16	74	-4%	-15%



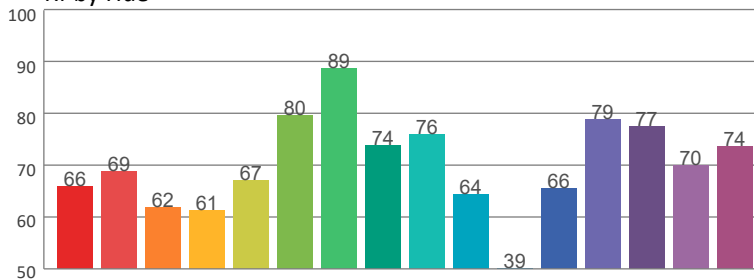
Color Vector Graphic



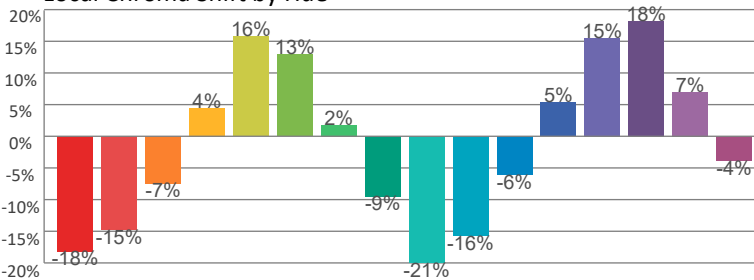
Color Distortion Graphic



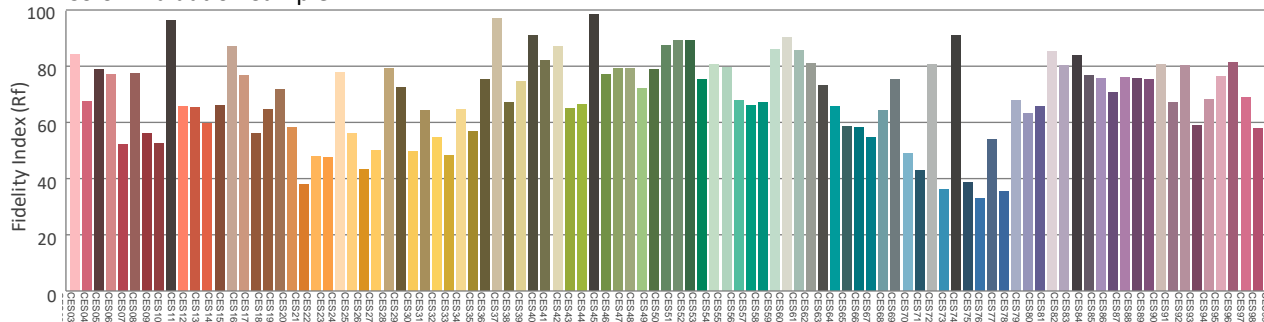
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power

Report Summary

Measurements

Fixture Output: 82688 lm
Fixture Peak: 4060248 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 162410 lux
Color Temperature: 7292 K
CRI: 69.5 CRI R9 Value: -32.2
CQS: 69.4
TLCI: 47
TM-30 Rf: 69.9
TM-30 Rg: 95.0
Beam Angle (50%): 7.1°
Field Angle (10%): 12.8°
Cutoff Angle (3%): 15.7°

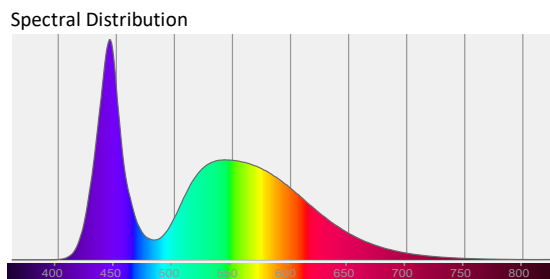
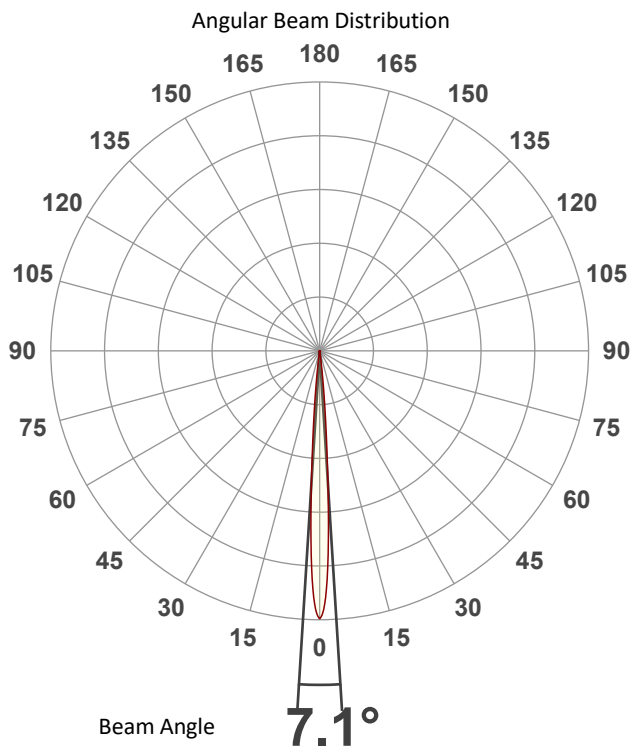


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

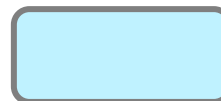
Overall Measurement



Tested Color (CIE 1931):

X: 0.302

Y: 0.317



Light Quality

CRI: 69.5

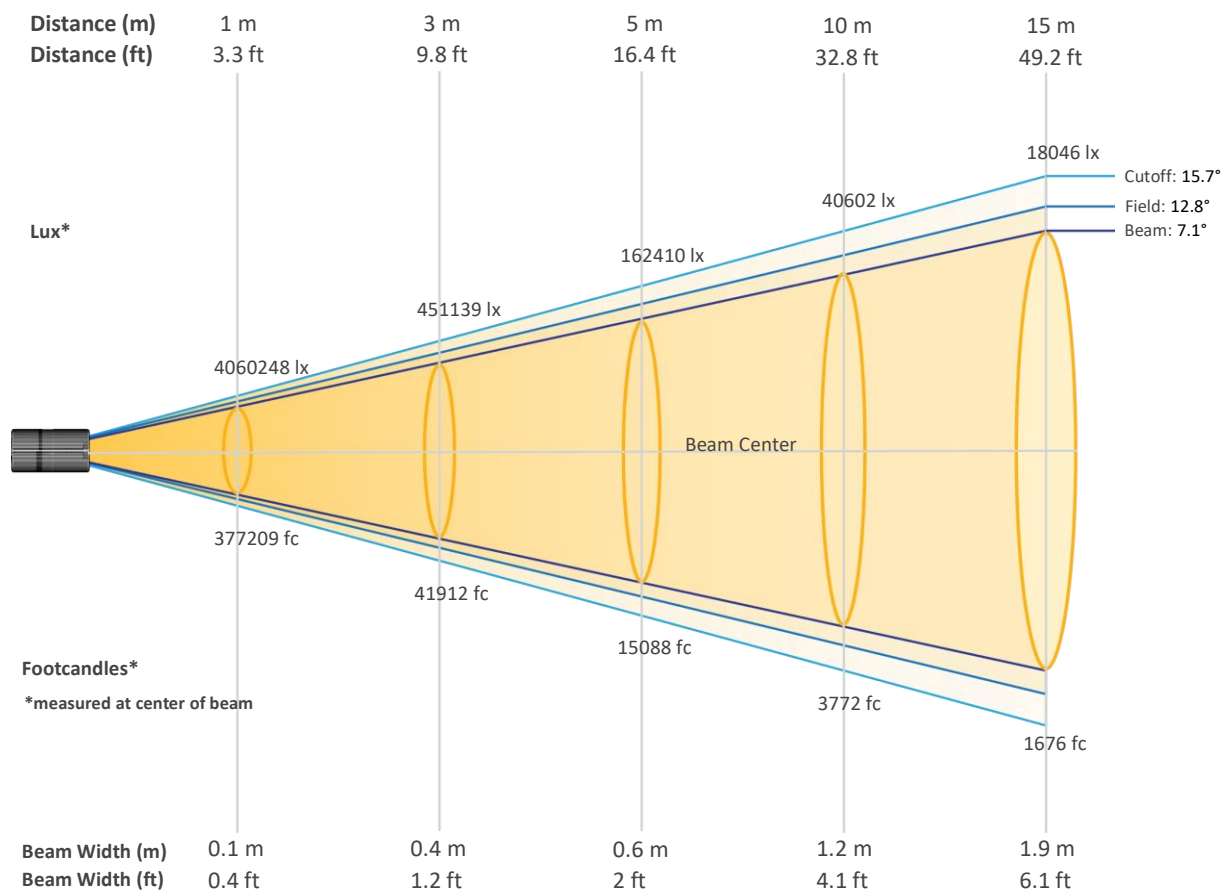
Color Temperature

7292 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power

Beam Details

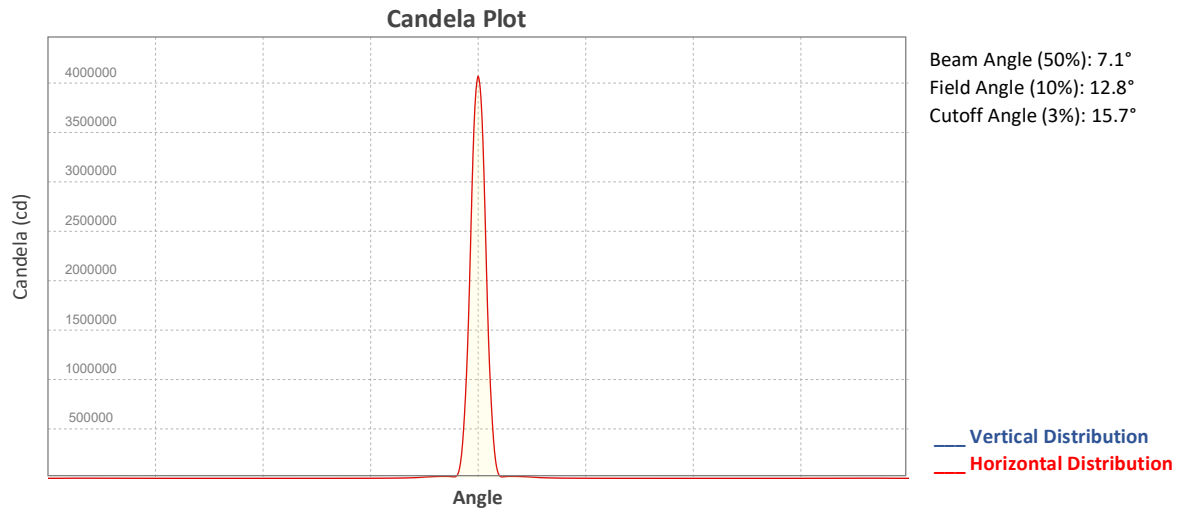


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4060248	1015062	451139	253765	162410	112785	82862	63441	50127	40602
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	33556	28196	24025	20716	18046	15860	14049	12532	11247	10151
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	377209	94302	41912	23576	15088	10478	7698	5894	4657	3772
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3117	2620	2232	1925	1676	1473	1305	1164	1045	943

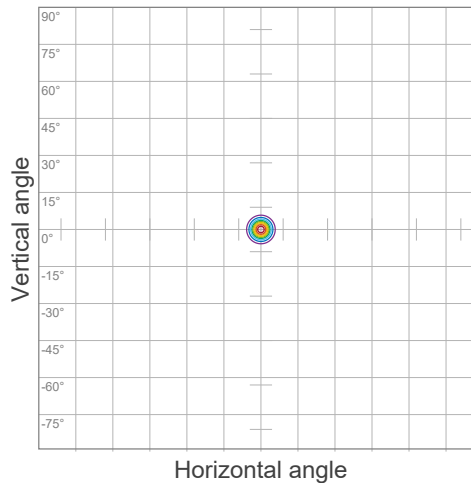
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power



ISO Diagrams

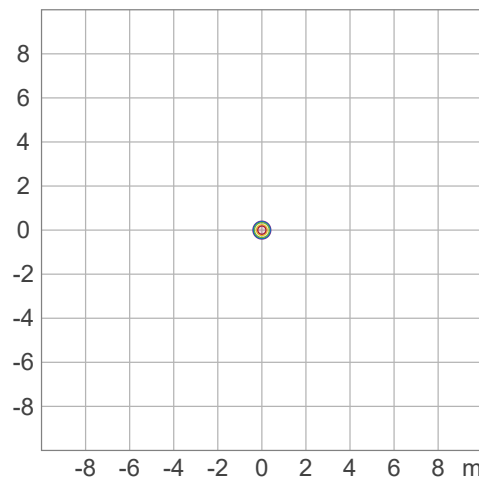
ISO Candela Diagram



90 %	3654223.0 cd
80 %	3248199.0 cd
70 %	2842174.0 cd
60 %	2436149.0 cd
50 %	2030124.0 cd
40 %	1624099.0 cd
30 %	1218075.0 cd
20 %	812049.6 cd
10 %	406024.8 cd

Peak intensity: 4060248.0 cd
Number of c-planes: 2

ISO Lux Diagram



50.0 %	225569.3 lx
30.0 %	135341.6 lx
10.0 %	45113.9 lx
5.0 %	22556.9 lx
3.0 %	13534.2 lx

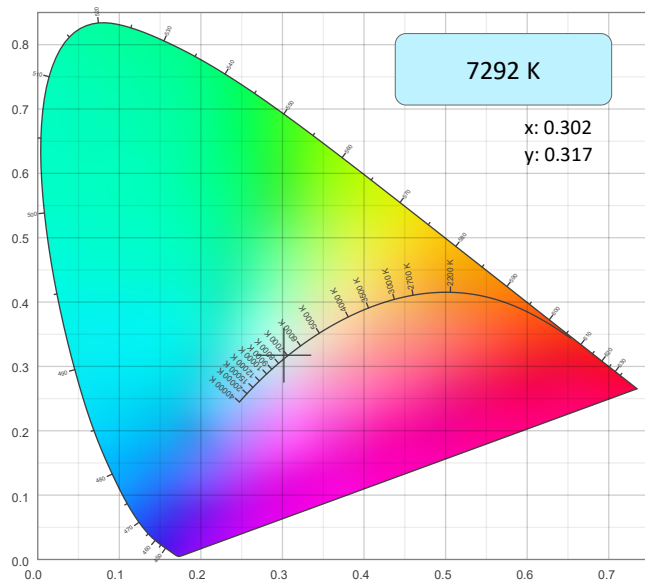
Peak illuminance: 451138.7 lx
Mounting height: 3.0 m
Number of c-planes: 2

Photometric & Chromaticity Report

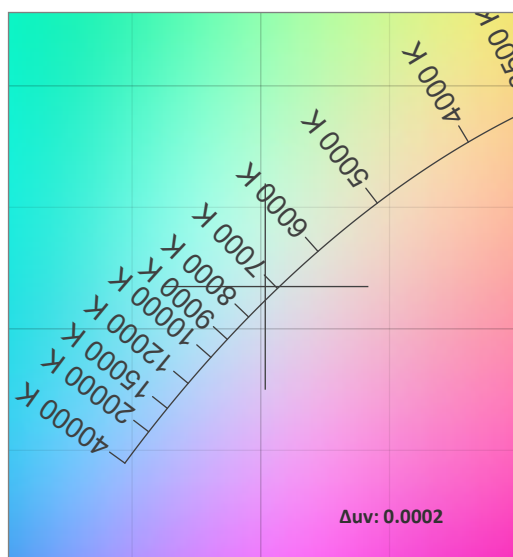
Maverick Storm 4 Solo Wash: Full Spot - Full Power

Chromaticity

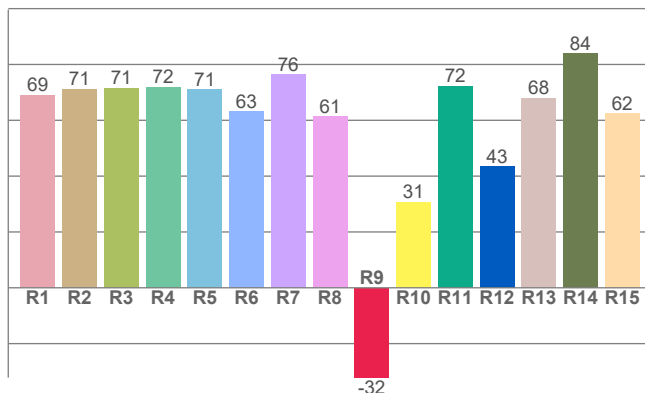
CIE 1931



CIE 1931 - Zoom



CRI: 69.5 (R1-R8)

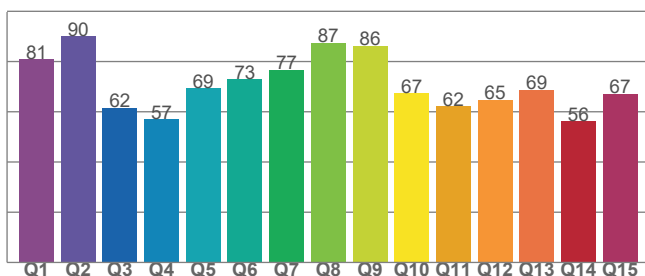


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7292 K	0.302	0.317

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0002	0.317	0.195

CQS: 69.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.5	-32.2	69.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	69.9	95.0

Photometric & Chromaticity Report

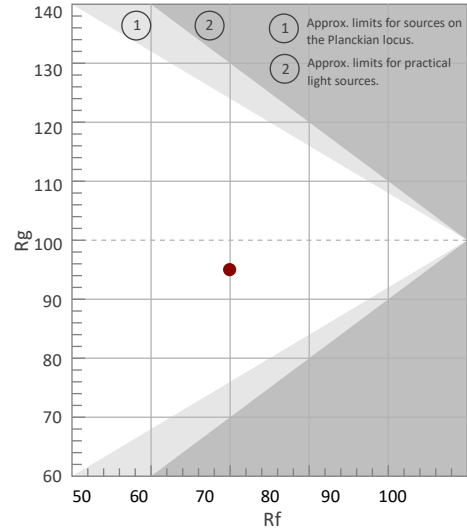
Maverick Storm 4 Solo Wash: Full Spot - Full Power

TM-30 Details

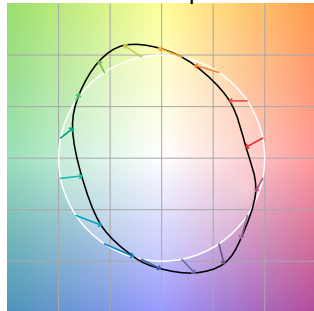
Rf 69.9
Fidelity Index (Rg)

Rg 95.0
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-6%
2	69	-14%	10%
3	63	-7%	23%
4	62	4%	23%
5	69	14%	14%
6	81	12%	-1%
7	90	1%	-7%
8	76	-10%	-11%
9	76	-21%	2%
10	64	-15%	21%
11	40	-5%	30%
12	66	5%	20%
13	79	15%	10%
14	77	19%	-7%
15	72	7%	-22%
16	75	-4%	-13%



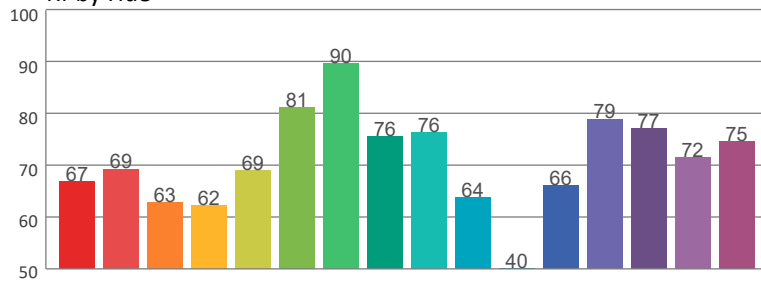
Color Vector Graphic



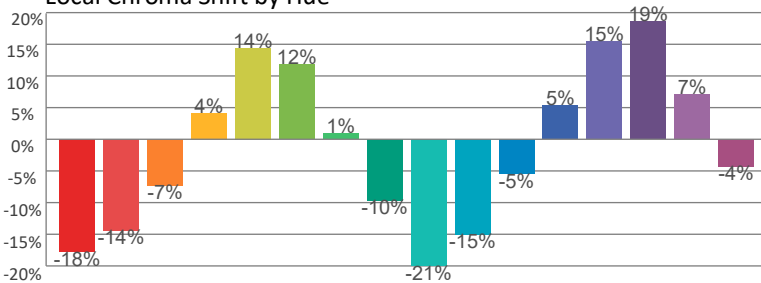
Color Distortion Graphic



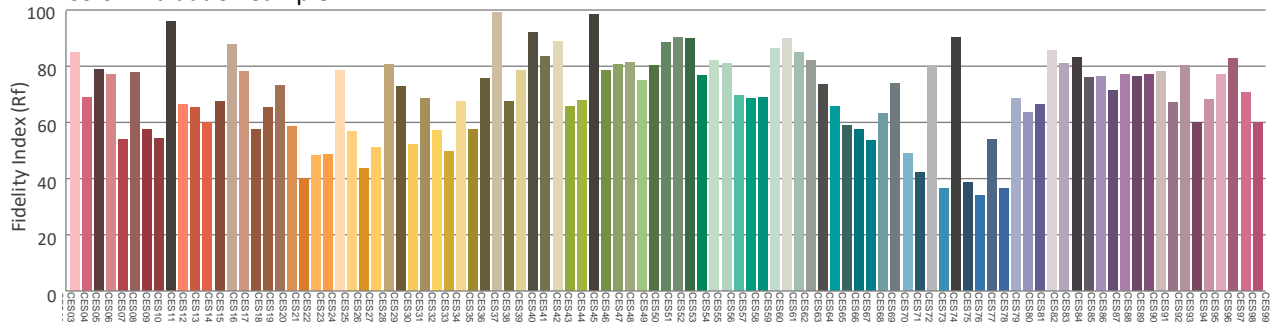
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - Auto

Report Summary

Measurements

Fixture Output: 81516 lm
Fixture Peak: 4019523 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 160781 lux
Color Temperature: 7294 K
CRI: 69.5 CRI R9 Value: -31.9
CQS: 69.4
TLCI: 47
TM-30 Rf: 70.0
TM-30 Rg: 95.0
Beam Angle (50%): 7.1°
Field Angle (10%): 12.7°
Cutoff Angle (3%): 15.4°

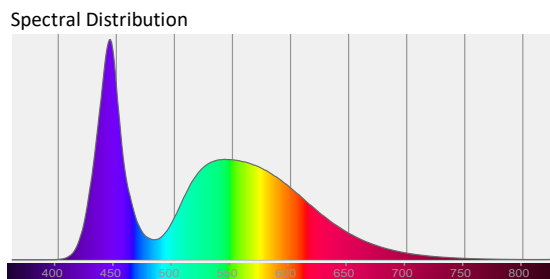
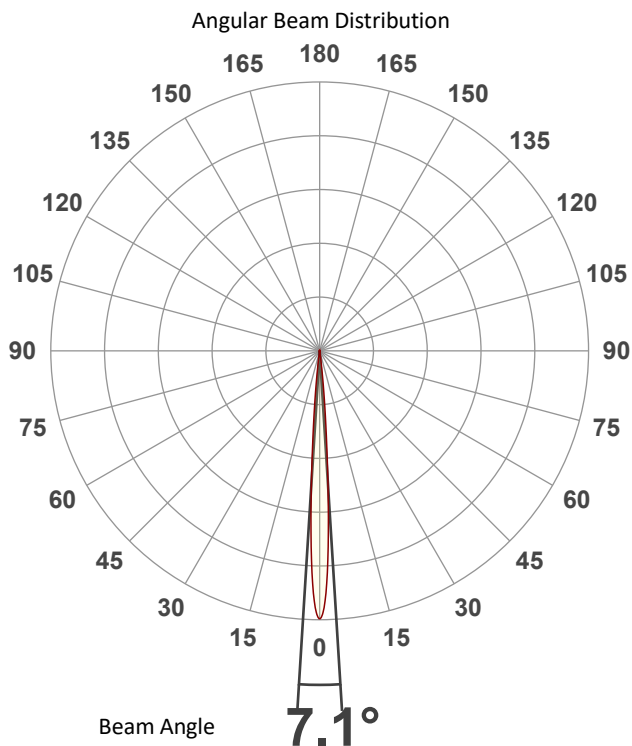


Conditions

AC Supply: 120 V, 60.1 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.302
Y: 0.317

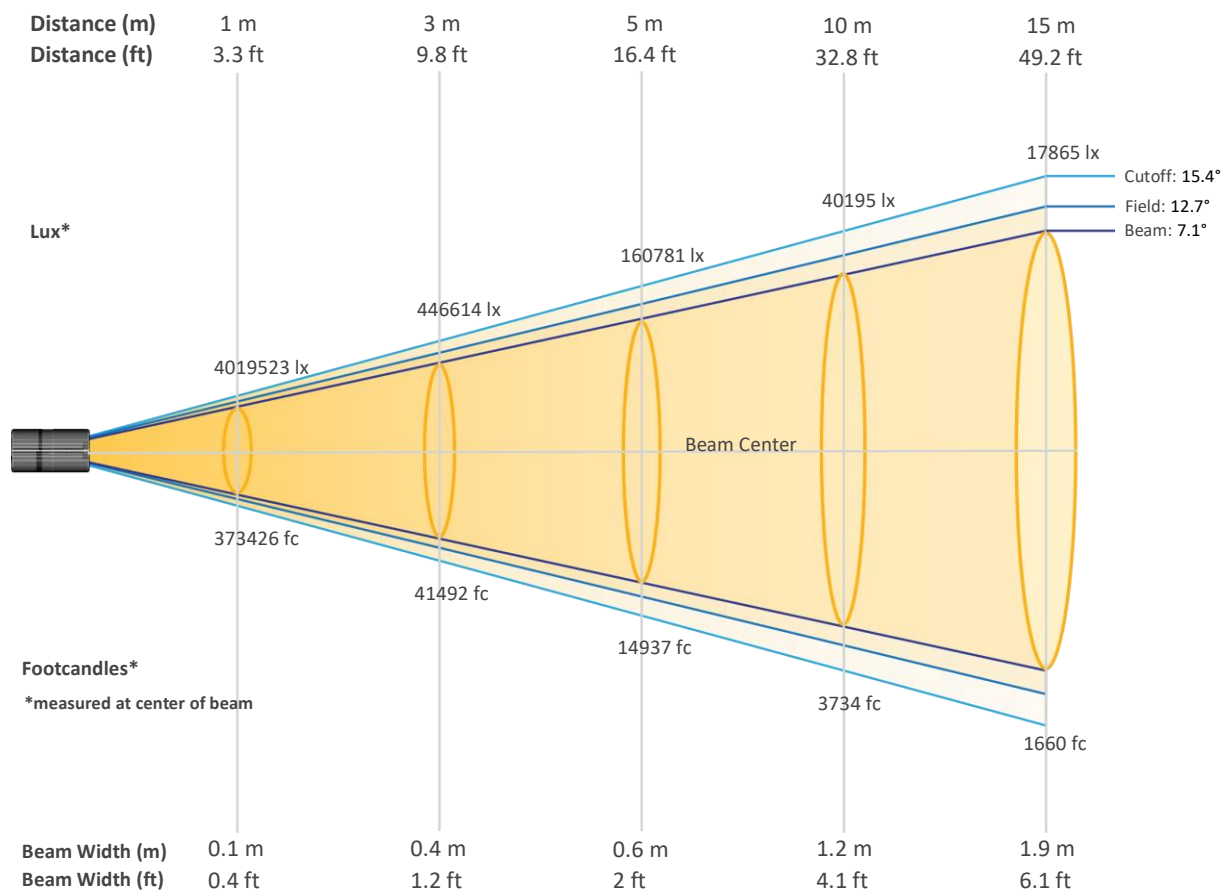
Light Quality
CRI: 69.5

Color Temperature
7294 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - Auto

Beam Details

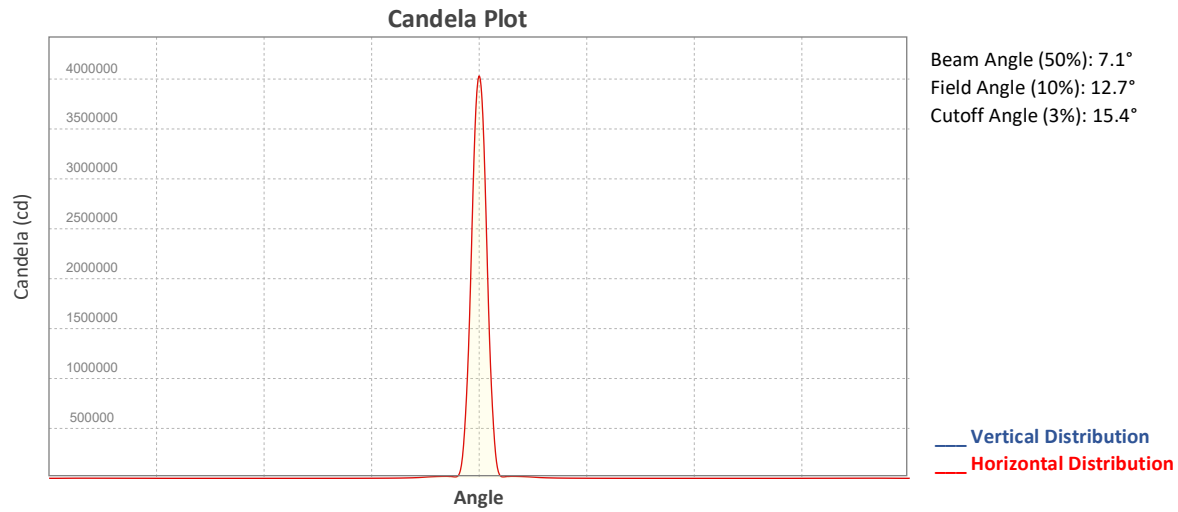


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4019523	1004881	446614	251220	160781	111653	82031	62805	49624	40195
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	33219	27913	23784	20508	17865	15701	13908	12406	11134	10049
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	373426	93356	41492	23339	14937	10373	7621	5835	4610	3734
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3086	2593	2210	1905	1660	1459	1292	1153	1034	934

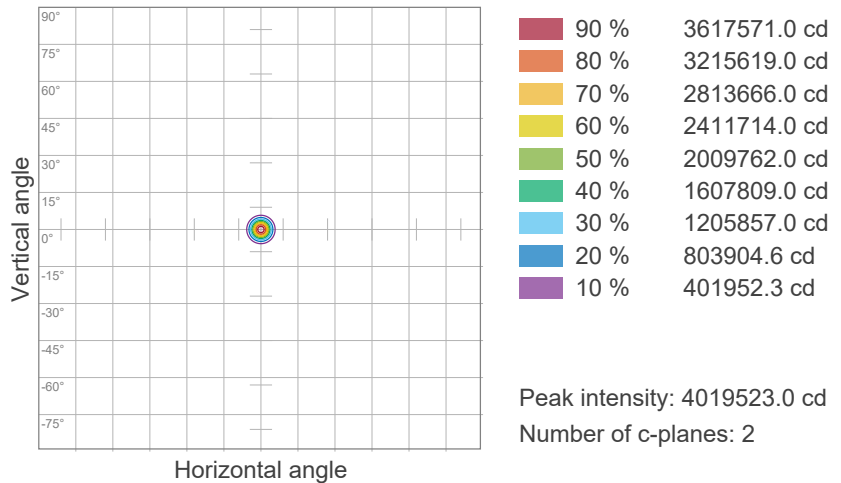
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - Auto

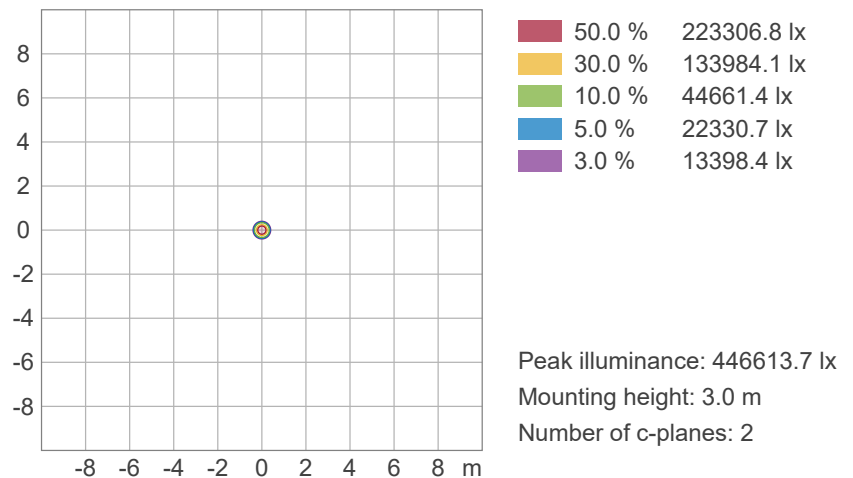


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

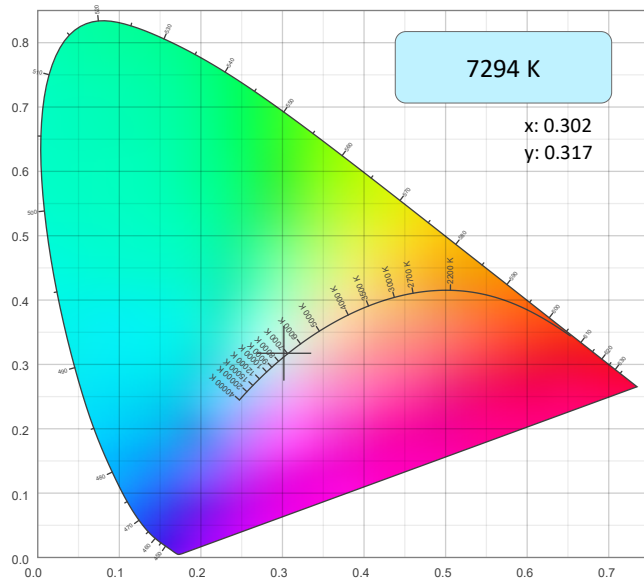


Photometric & Chromaticity Report

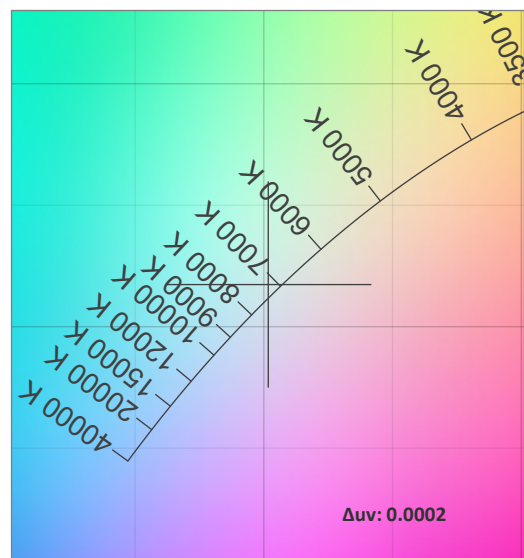
Maverick Storm 4 Solo Wash: Full Spot - Full Power - Auto

Chromaticity

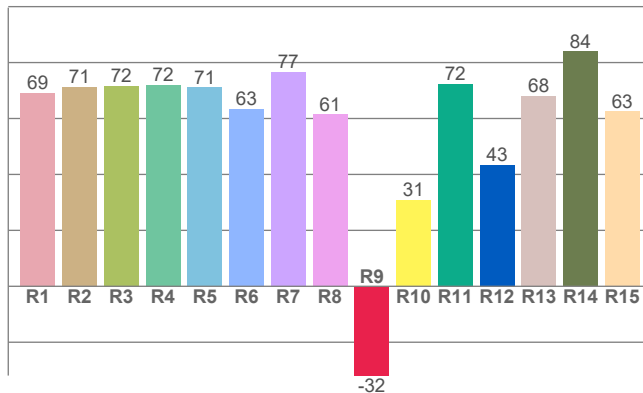
CIE 1931



CIE 1931 - Zoom



CRI: 69.5 (R1-R8)

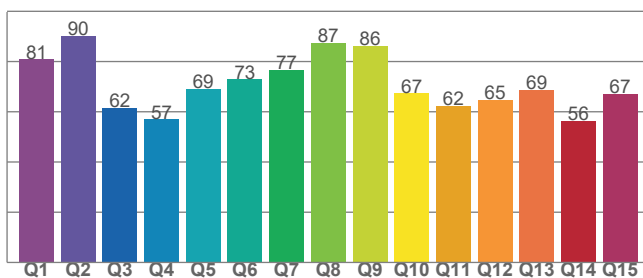


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7294 K	0.302	0.317

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0002	0.317	0.195

CQS: 69.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.5	-31.9	69.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	70.0	95.0

Photometric & Chromaticity Report

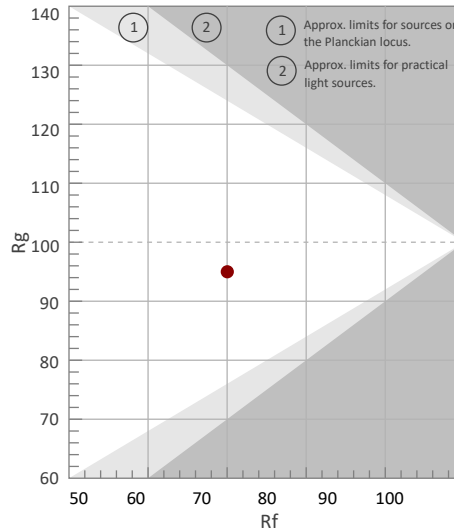
Maverick Storm 4 Solo Wash: Full Spot - Full Power - Auto

TM-30 Details

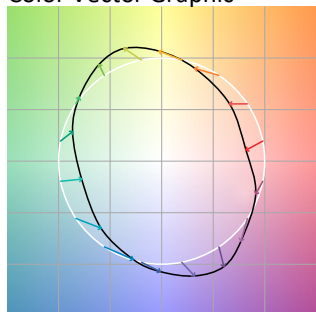
Rf 70.0
Fidelity Index (Rg)

Rg 95.0
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-6%
2	69	-14%	10%
3	63	-7%	23%
4	62	4%	23%
5	69	14%	14%
6	81	12%	-1%
7	90	1%	-7%
8	76	-10%	-11%
9	76	-21%	2%
10	64	-15%	21%
11	40	-5%	30%
12	66	5%	19%
13	79	15%	10%
14	77	19%	-7%
15	72	7%	-22%
16	75	-4%	-13%



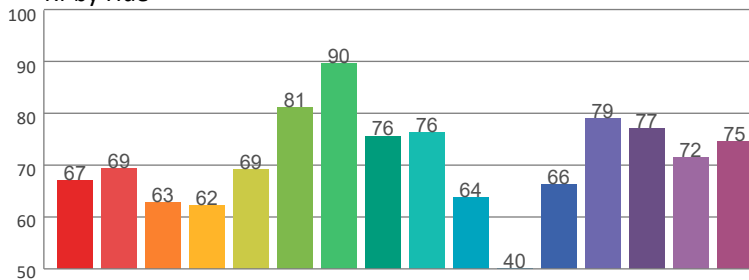
Color Vector Graphic



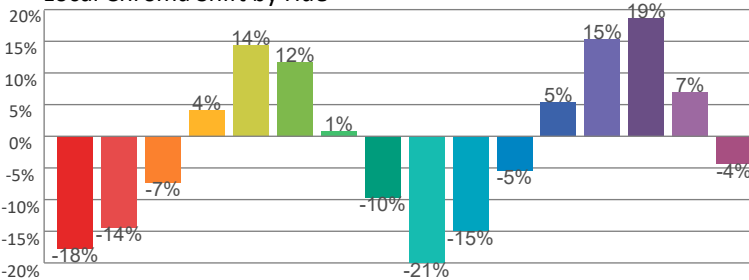
Color Distortion Graphic



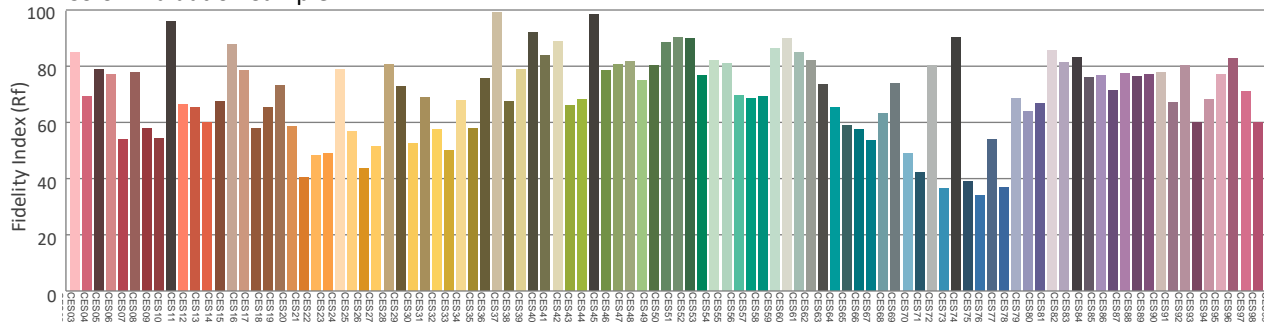
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - ECO

Report Summary

Measurements

Fixture Output: 76994 lm
Fixture Peak: 3469619 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 138785 lux
Color Temperature: 7335 K
CRI: 69.7 CRI R9 Value: -31.3
CQS: 69.5
TLCI: 47
TM-30 Rf: 70.2
TM-30 Rg: 94.9
Beam Angle (50%): 7.9°
Field Angle (10%): 12.8°
Cutoff Angle (3%): 15.3°

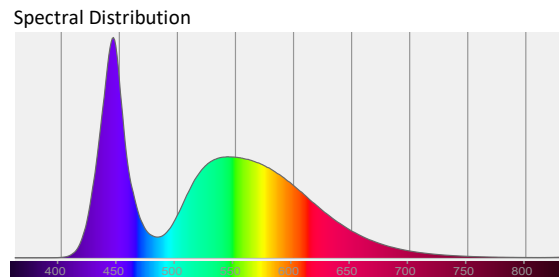
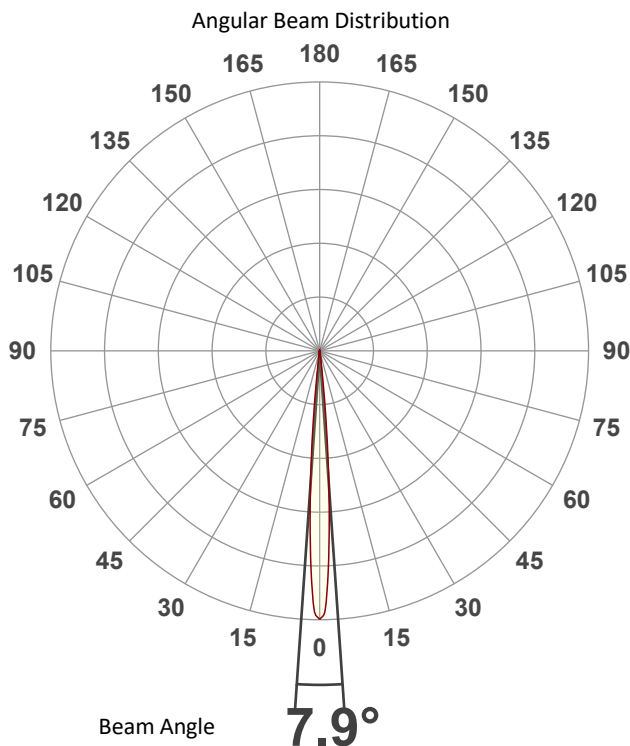


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

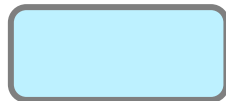
Overall Measurement



Tested Color (CIE 1931):

X: 0.301

Y: 0.317



Light Quality

CRI: 69.7

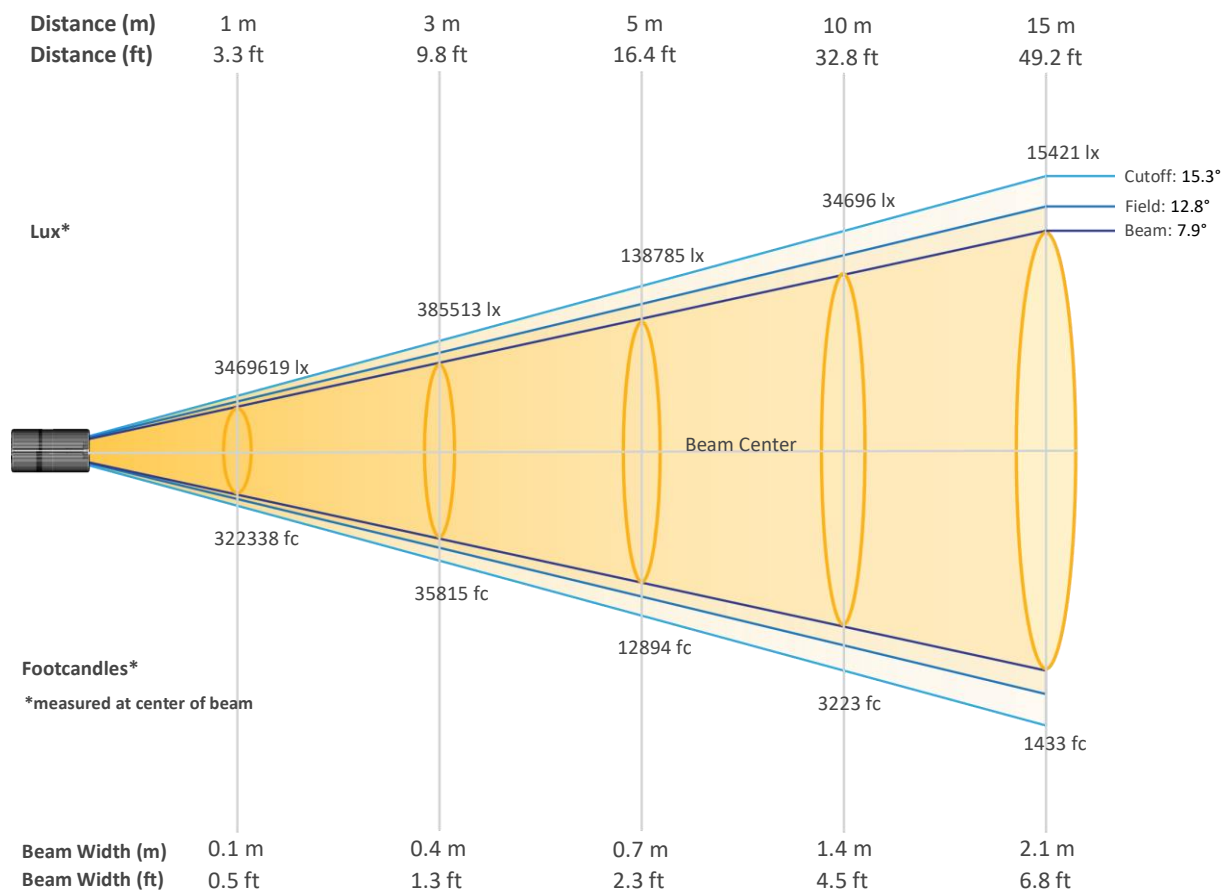
Color Temperature

7335 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - ECO

Beam Details

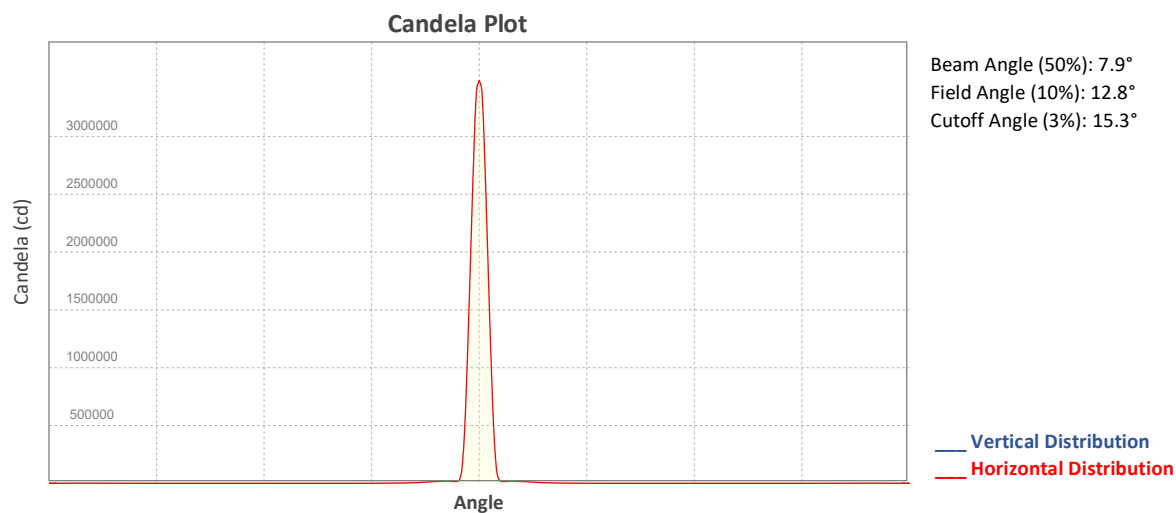


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3469619	867405	385513	216851	138785	96378	70809	54213	42835	34696
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	28675	24095	20530	17702	15421	13553	12006	10709	9611	8674
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	322338	80585	35815	20146	12894	8954	6578	5037	3979	3223
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2664	2238	1907	1645	1433	1259	1115	995	893	806

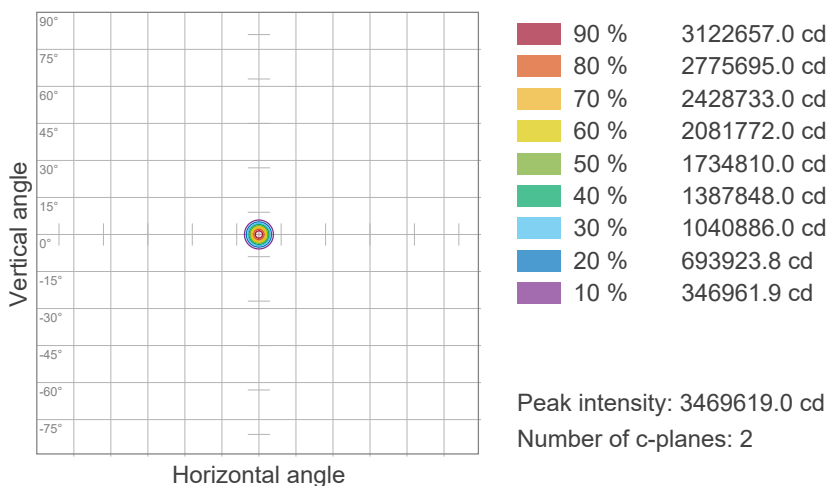
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - ECO

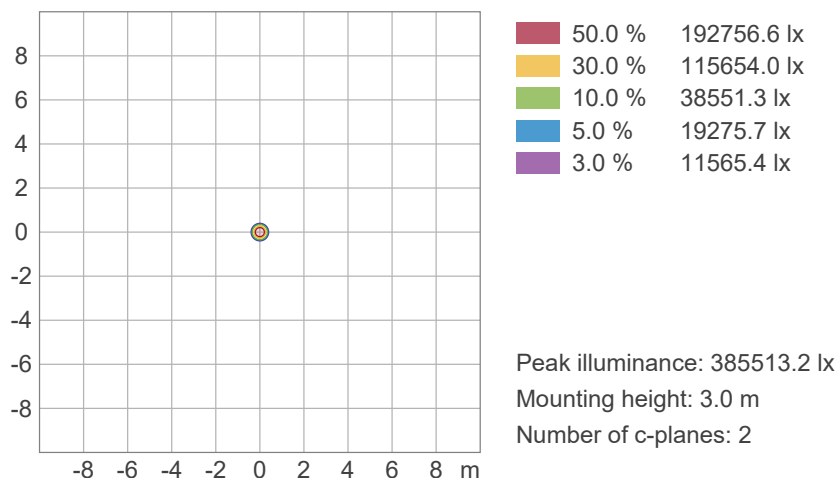


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

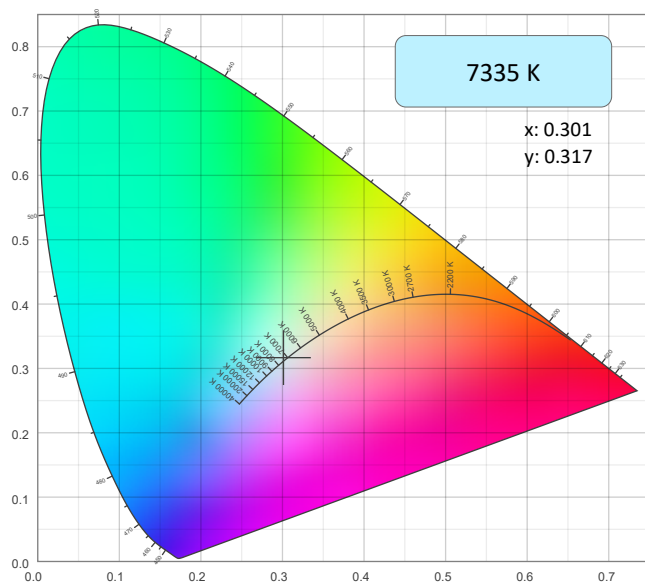


Photometric & Chromaticity Report

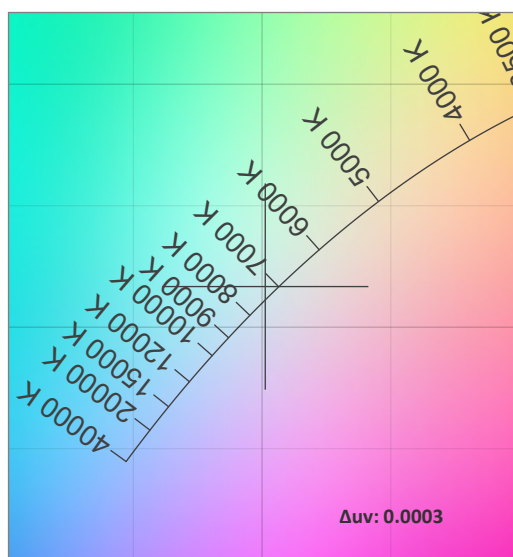
Maverick Storm 4 Solo Wash: Full Spot - Full Power - ECO

Chromaticity

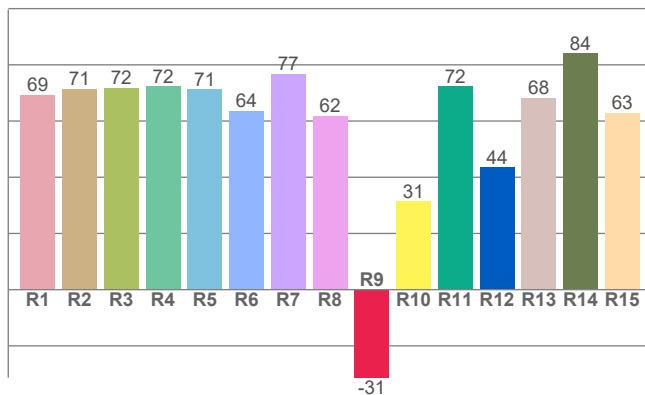
CIE 1931



CIE 1931 - Zoom



CRI: 69.7 (R1-R8)

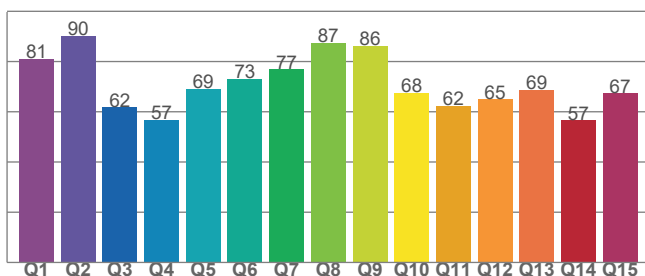


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7335 K	0.301	0.317

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0003	0.317	0.194

CQS: 69.5



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.7	-31.3	69.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	70.2	94.9

Photometric & Chromaticity Report

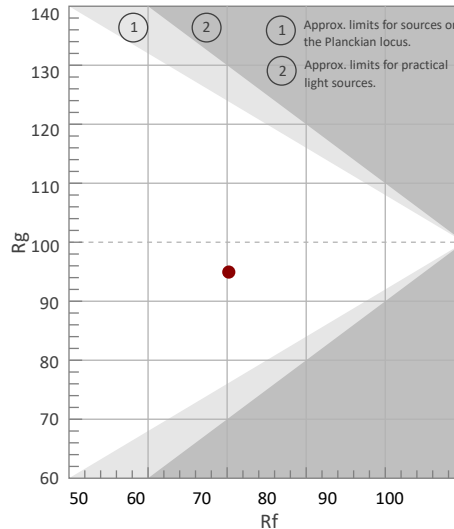
Maverick Storm 4 Solo Wash: Full Spot - Full Power - ECO

TM-30 Details

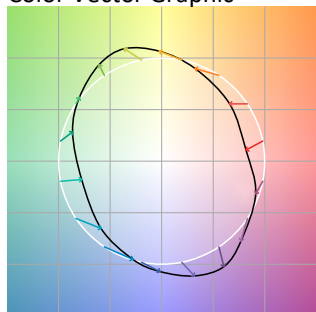
Rf 70.2
Fidelity Index (Rg)

Rg 94.9
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-5%
2	69	-14%	10%
3	63	-7%	23%
4	63	4%	23%
5	70	14%	14%
6	82	11%	-1%
7	90	1%	-7%
8	76	-10%	-11%
9	76	-20%	2%
10	64	-15%	22%
11	40	-5%	30%
12	67	5%	19%
13	79	15%	9%
14	77	19%	-7%
15	72	7%	-22%
16	75	-4%	-13%



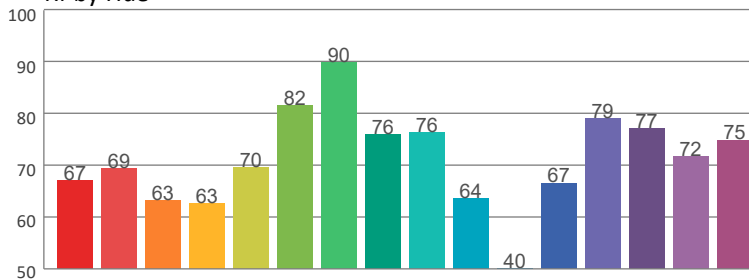
Color Vector Graphic



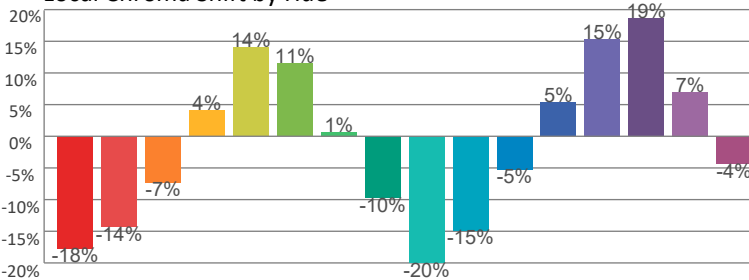
Color Distortion Graphic



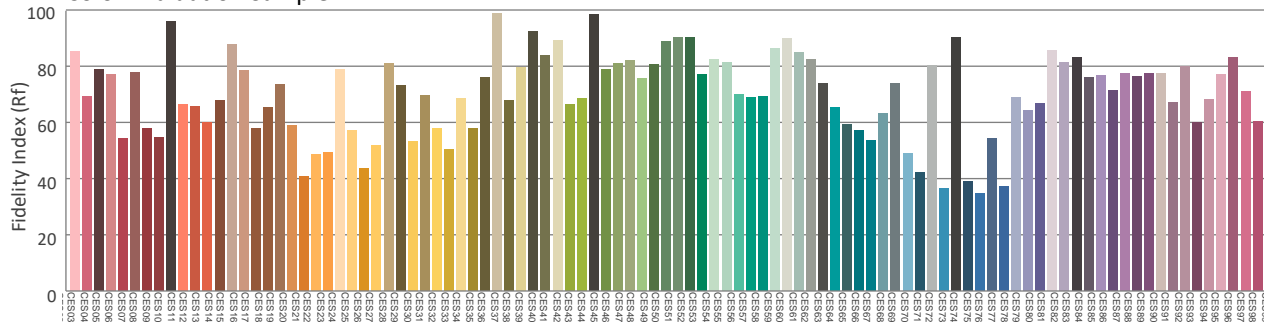
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV25

Report Summary

Measurements

Fixture Output: 52779 lm
Fixture Peak: 2559680 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 102387 lux
Color Temperature: 7205 K
CRI: 68.8 CRI R9 Value: -35.1
CQS: 69.2
TLCI: 46
TM-30 Rf: 69.4
TM-30 Rg: 94.9
Beam Angle (50%): 7.4°
Field Angle (10%): 12.5°
Cutoff Angle (3%): 14.9°

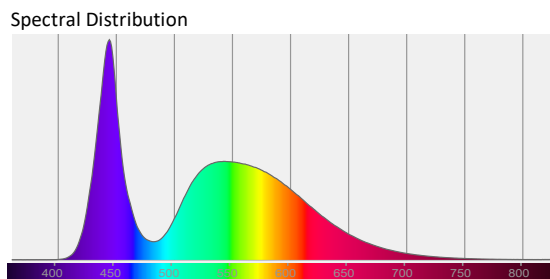
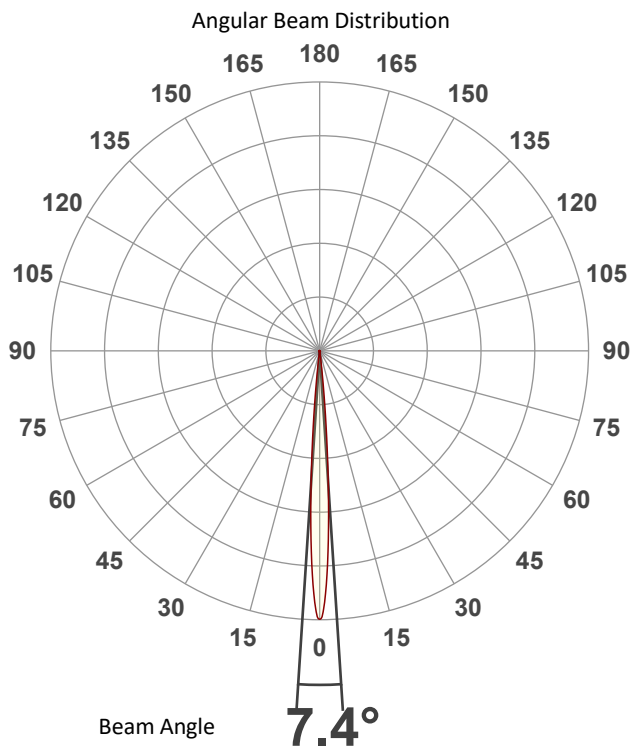


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.303
Y: 0.319

Light Quality
CRI: 68.8

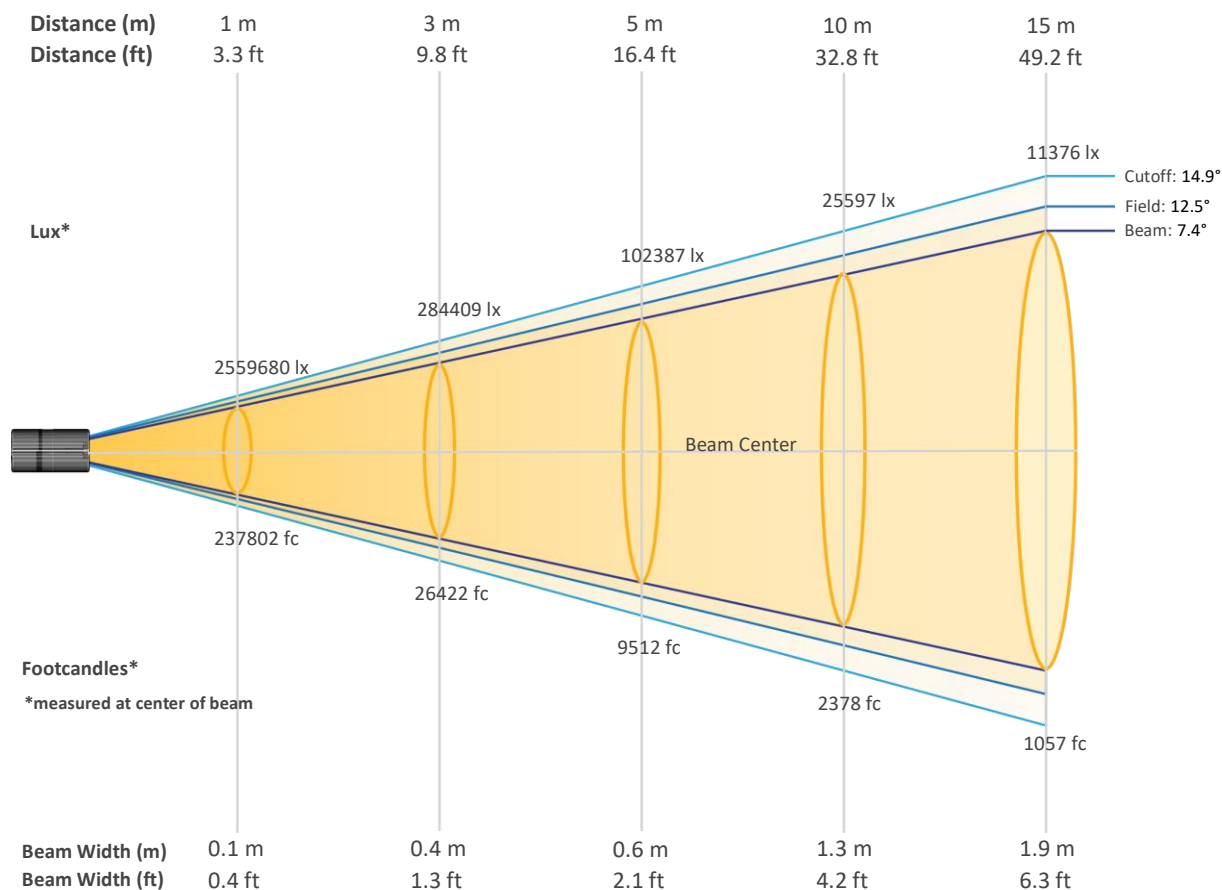
Color Temperature
7205 K



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV25

Beam Details

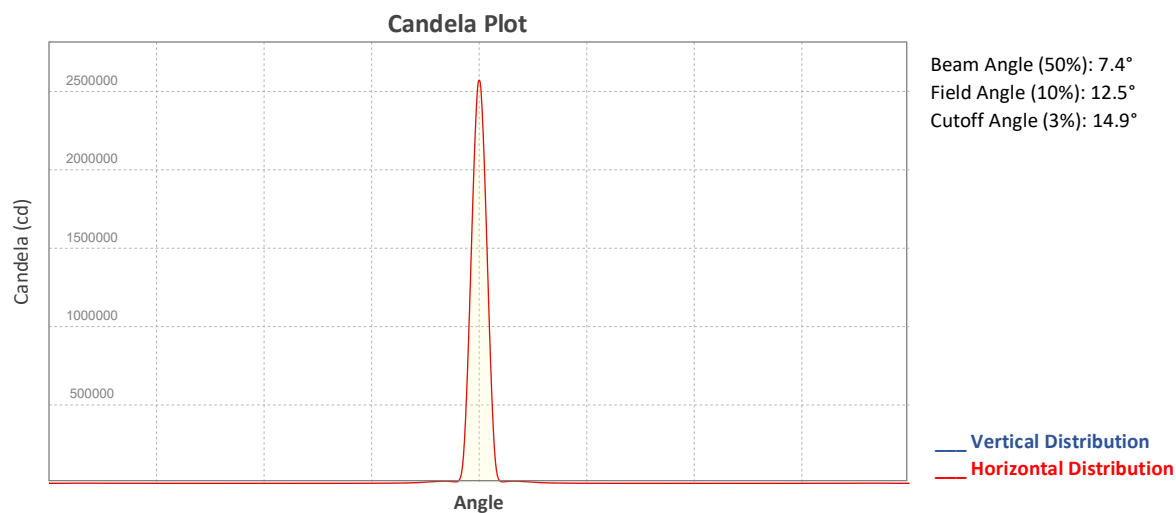


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	2559680	639920	284409	159980	102387	71102	52238	39995	31601	25597
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	21154	17776	15146	13060	11376	9999	8857	7900	7091	6399
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	237802	59451	26422	14863	9512	6606	4853	3716	2936	2378
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1965	1651	1407	1213	1057	929	823	734	659	595

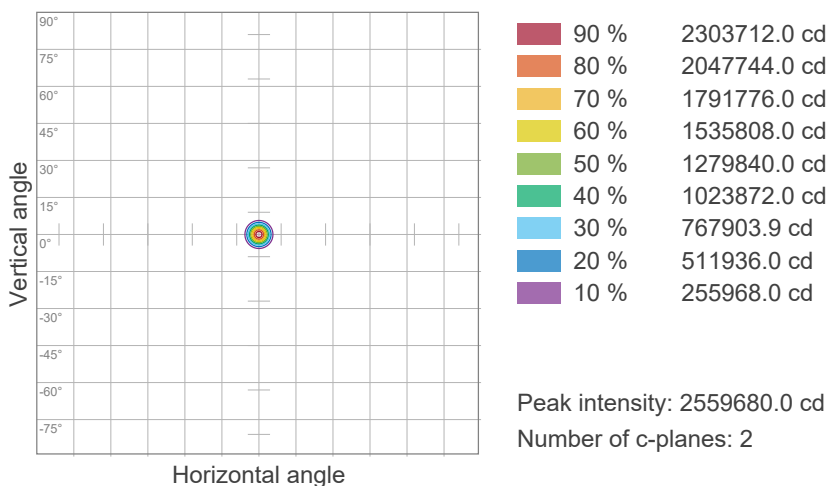
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV25

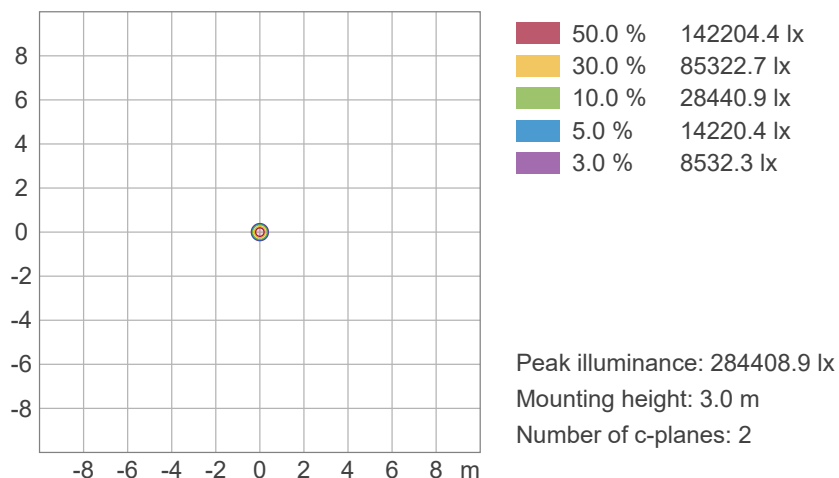


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

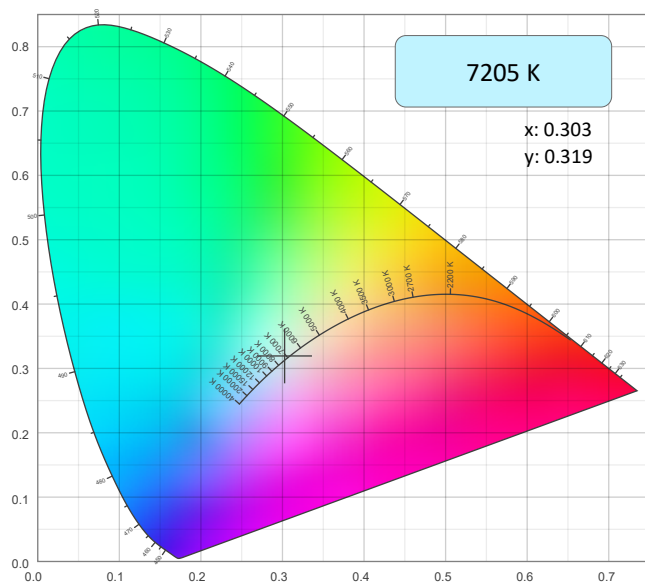


Photometric & Chromaticity Report

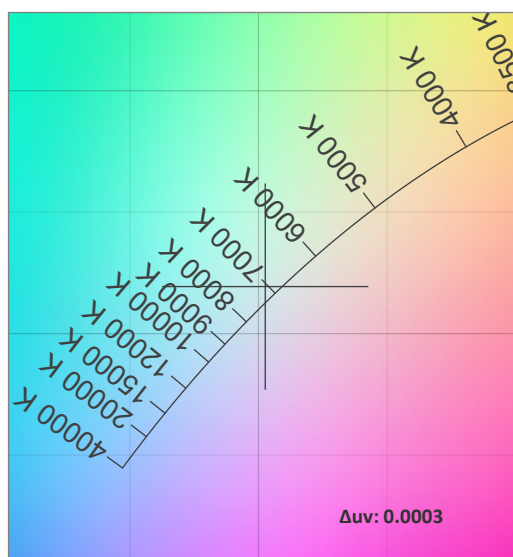
Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV25

Chromaticity

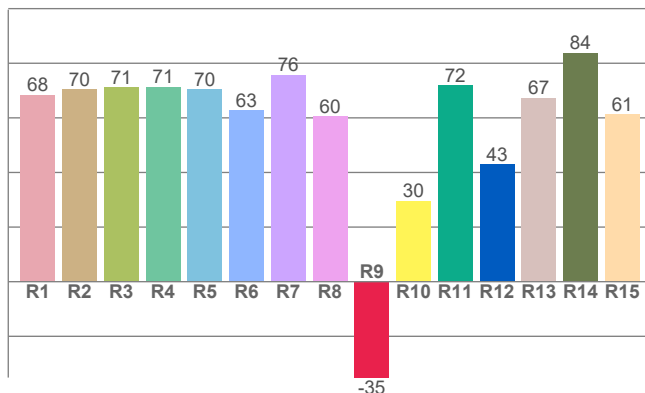
CIE 1931



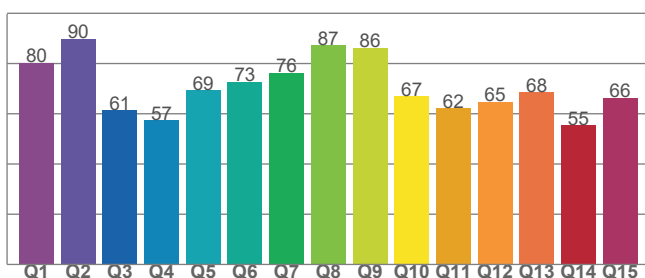
CIE 1931 - Zoom



CRI: 68.8 (R1-R8)



CQS: 69.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7205 K	0.303	0.319

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0003	0.319	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.8	-35.1	69.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
46	69.4	94.9

Photometric & Chromaticity Report

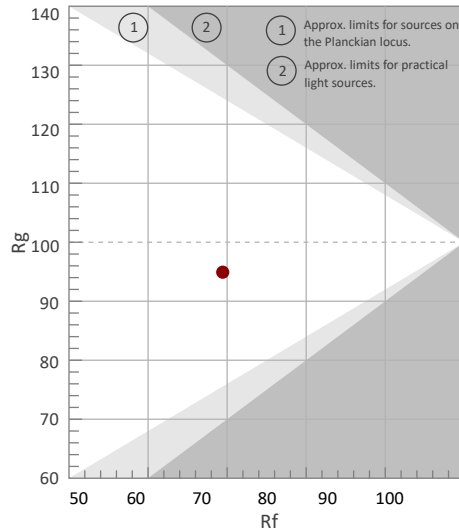
Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV25

TM-30 Details

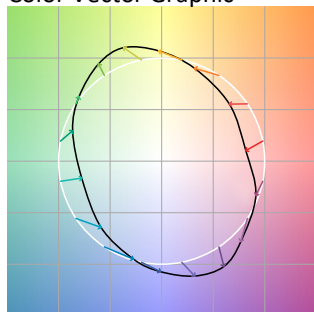
Rf 69.4
Fidelity Index
(Rg)

Rg 94.9
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	66	-18%	-6%
2	69	-15%	10%
3	62	-7%	24%
4	62	4%	24%
5	68	15%	15%
6	80	12%	-1%
7	89	1%	-8%
8	75	-10%	-12%
9	76	-21%	1%
10	64	-15%	21%
11	39	-6%	30%
12	66	5%	20%
13	79	16%	10%
14	77	18%	-7%
15	70	7%	-22%
16	74	-4%	-15%



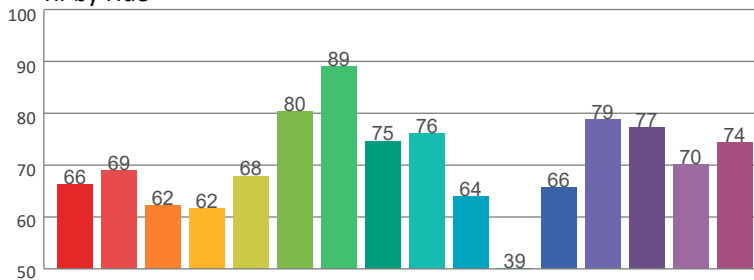
Color Vector Graphic



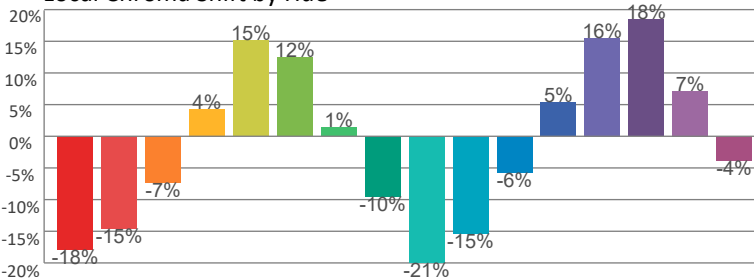
Color Distortion Graphic



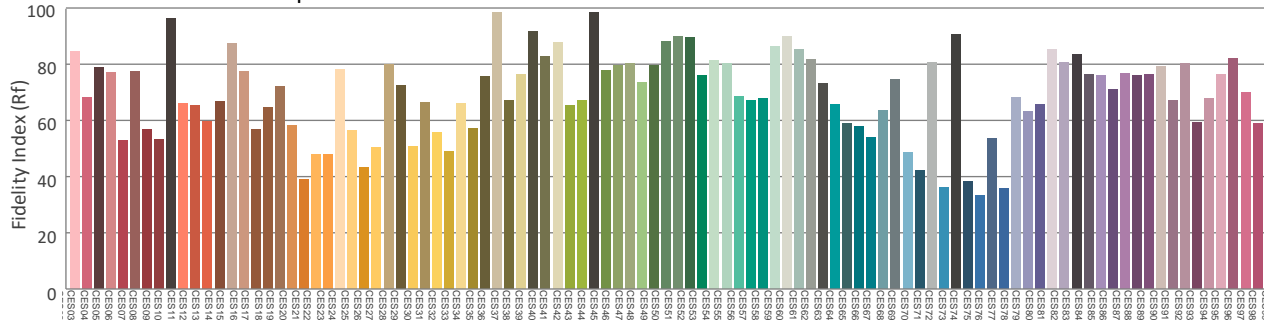
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV35

Report Summary

Measurements

Fixture Output: 38469 lm
Fixture Peak: 1861738 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 74470 lux
Color Temperature: 7156 K
CRI: 68.5 CRI R9 Value: -36.5
CQS: 69.1
TLCI: 46
TM-30 Rf: 69.2
TM-30 Rg: 94.9
Beam Angle (50%): 7.1°
Field Angle (10%): 12.7°
Cutoff Angle (3%): 15.4°

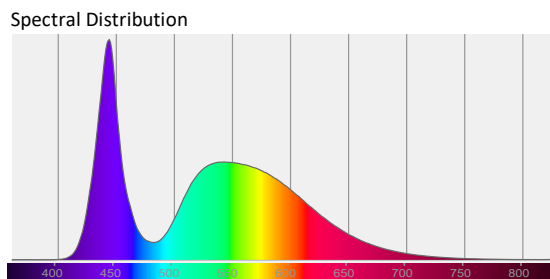
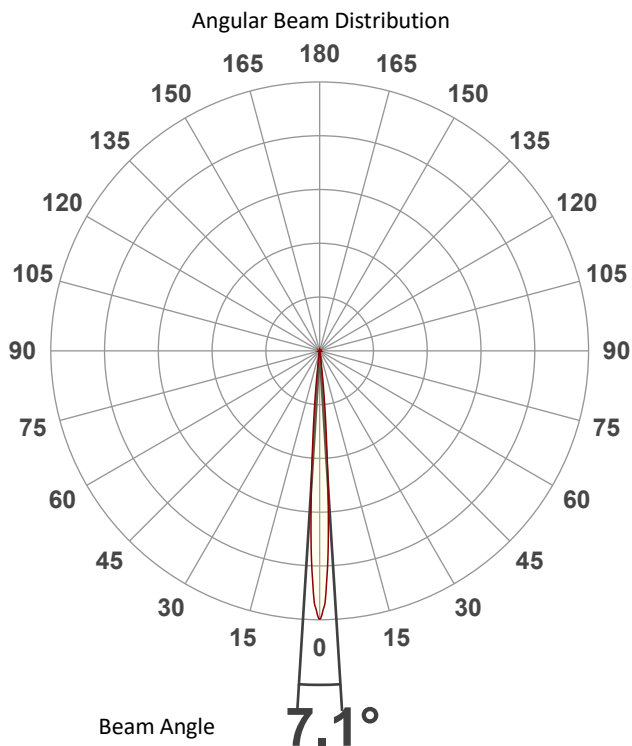


Conditions

AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.303
Y: 0.321

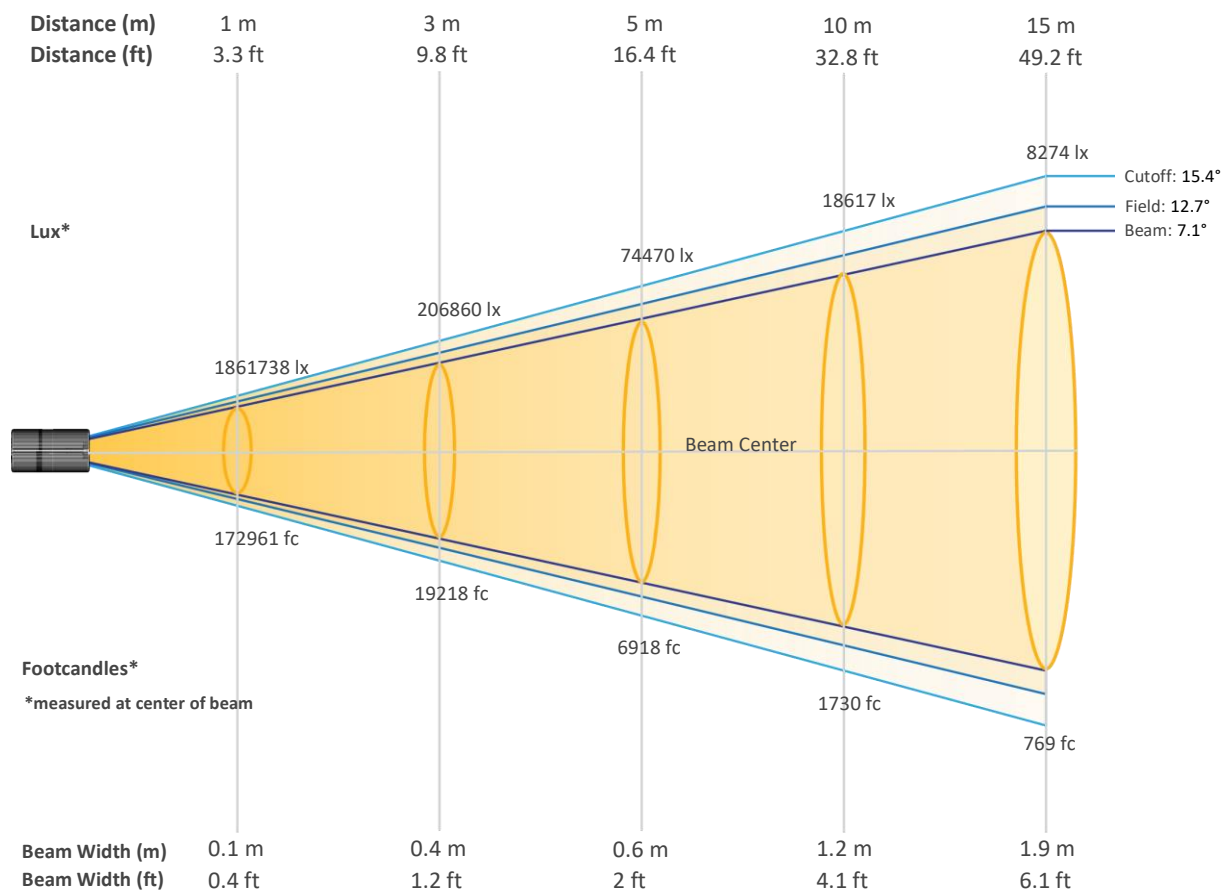
Light Quality
CRI: 68.5

Color Temperature
7156 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV35

Beam Details

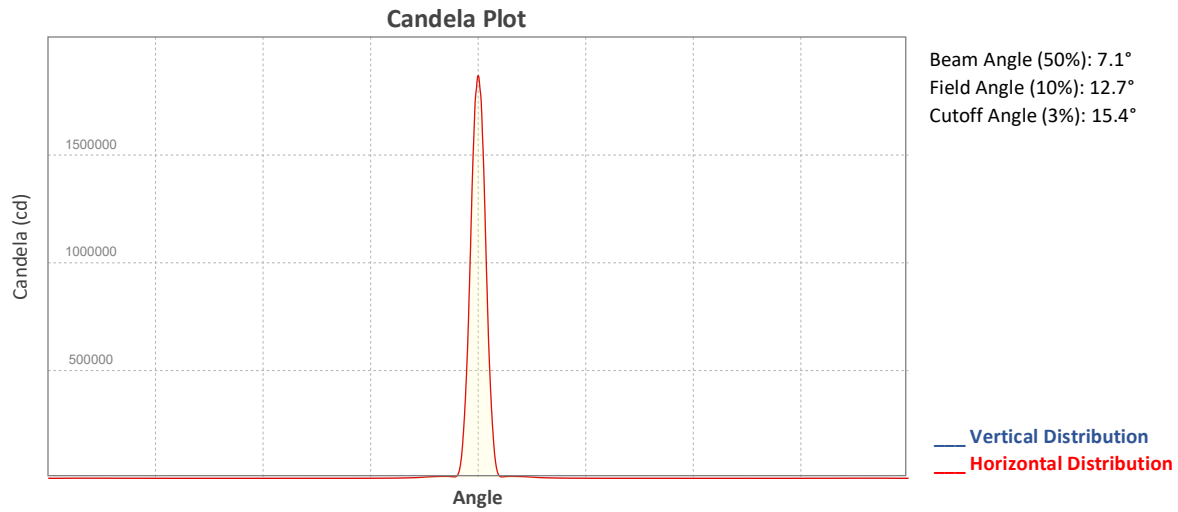


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1861738	465435	206860	116359	74470	51715	37995	29090	22984	18617
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	15386	12929	11016	9499	8274	7272	6442	5746	5157	4654
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	172961	43240	19218	10810	6918	4804	3530	2703	2135	1730
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1429	1201	1023	882	769	676	598	534	479	432

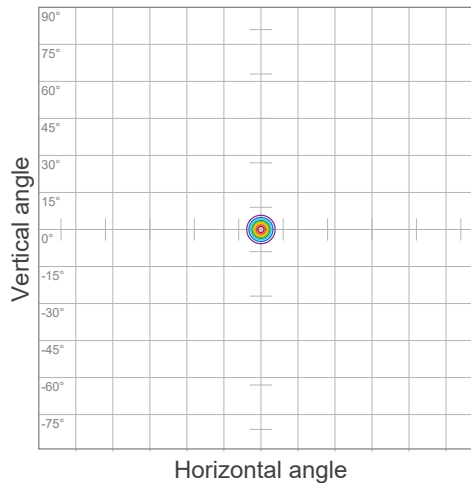
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV35



ISO Diagrams

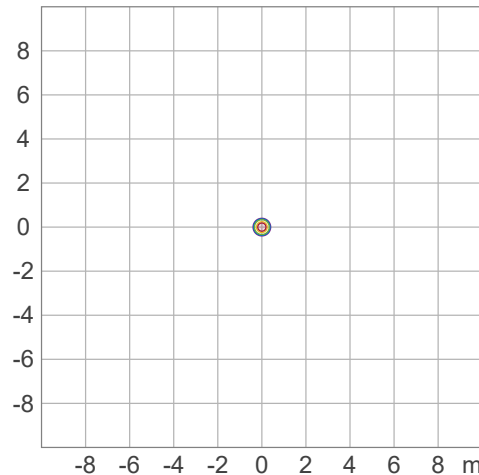
ISO Candela Diagram



90 %	1675564.0 cd
80 %	1489391.0 cd
70 %	1303217.0 cd
60 %	1117043.0 cd
50 %	930869.1 cd
40 %	744695.3 cd
30 %	558521.5 cd
20 %	372347.7 cd
10 %	186173.8 cd

Peak intensity: 1861738.0 cd
 Number of c-planes: 2

ISO Lux Diagram



50.0 %	103429.9 lx
30.0 %	62058.0 lx
10.0 %	20686.0 lx
5.0 %	10343.0 lx
3.0 %	6205.8 lx

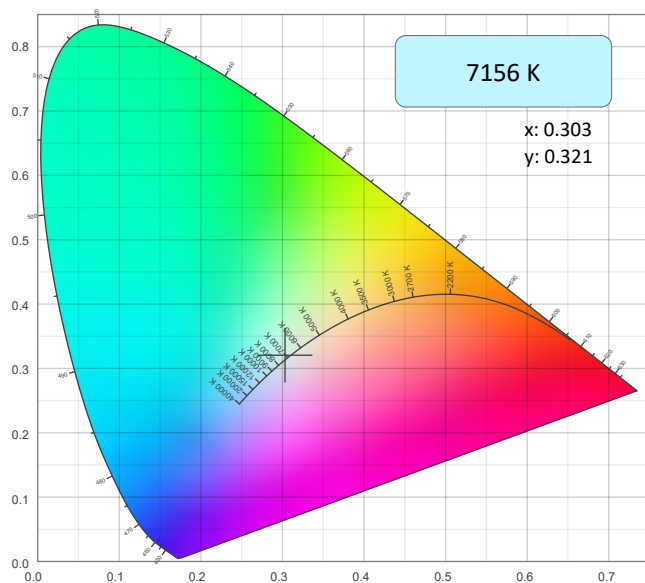
Peak illuminance: 206859.8 lx
 Mounting height: 3.0 m
 Number of c-planes: 2

Photometric & Chromaticity Report

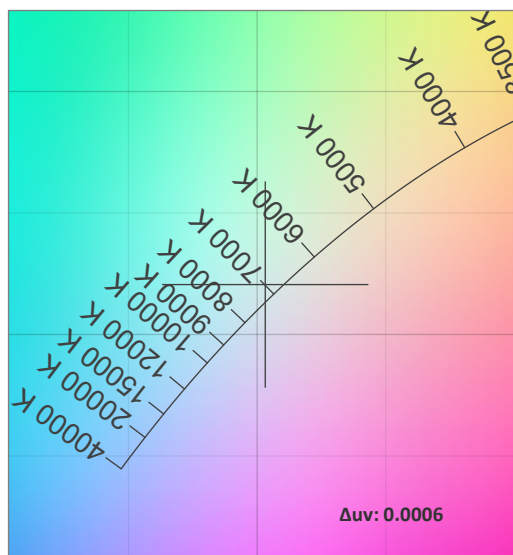
Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV35

Chromaticity

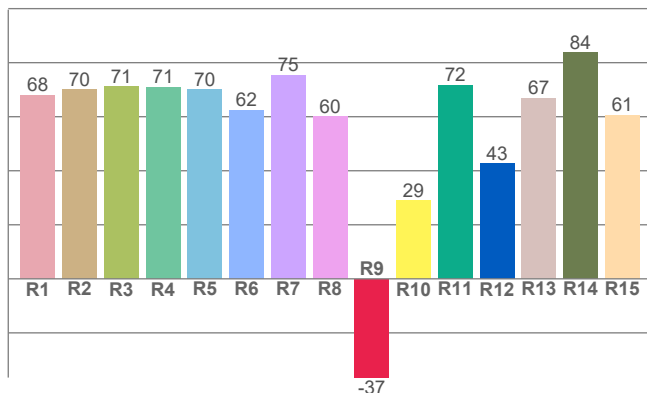
CIE 1931



CIE 1931 - Zoom



CRI: 68.5 (R1-R8)

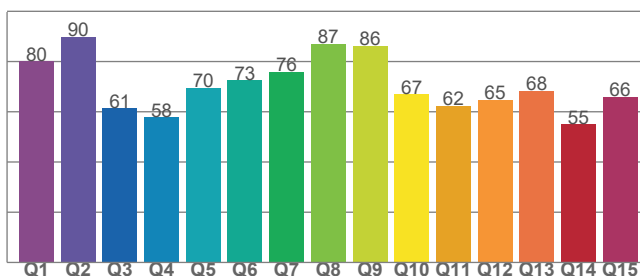


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7156 K	0.303	0.321

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0006	0.321	0.194

CQS: 69.1



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.5	-36.5	69.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
46	69.2	94.9

Photometric & Chromaticity Report

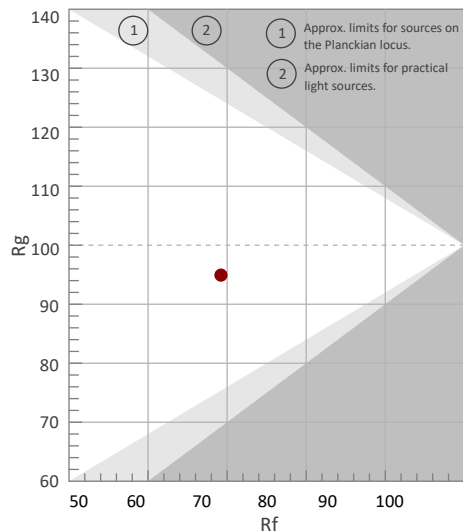
Maverick Storm 4 Solo Wash: Full Spot - Full Power - TV35

TM-30 Details

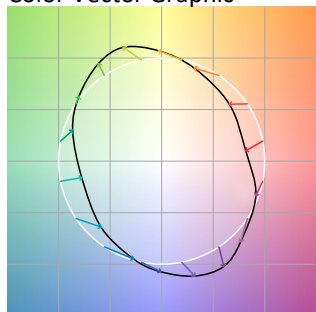
Rf 69.2
Fidelity Index (Rg)

Rg 94.9
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	66	-18%	-6%
2	69	-15%	9%
3	62	-7%	24%
4	61	4%	24%
5	67	16%	15%
6	80	13%	-1%
7	89	2%	-8%
8	74	-10%	-13%
9	76	-21%	1%
10	64	-16%	20%
11	39	-6%	30%
12	66	5%	20%
13	79	16%	10%
14	77	18%	-7%
15	70	7%	-22%
16	74	-4%	-15%



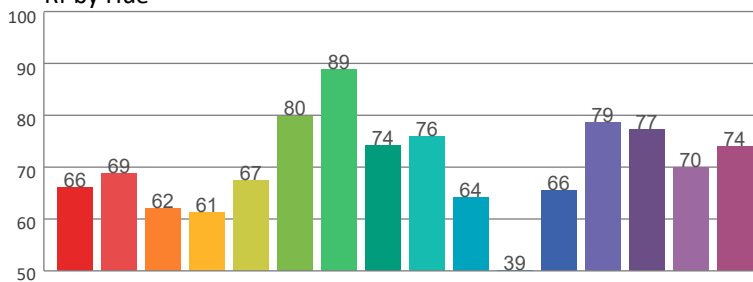
Color Vector Graphic



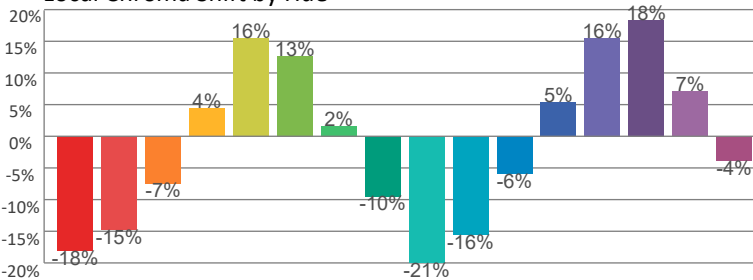
Color Distortion Graphic



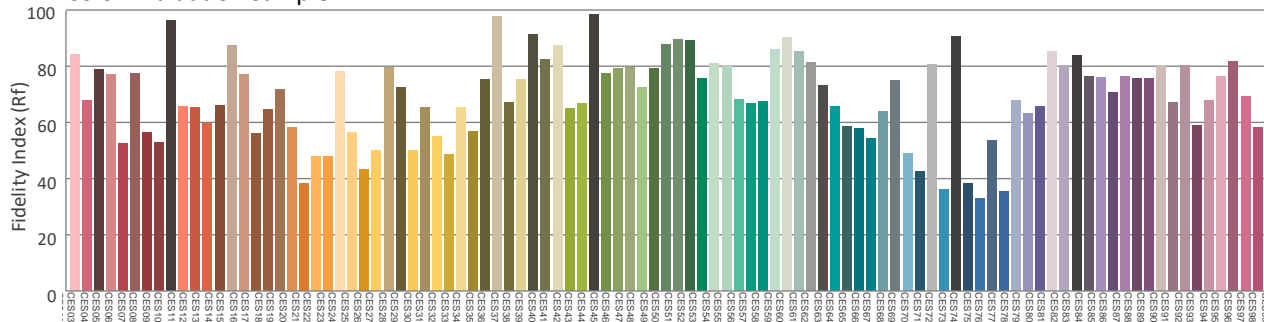
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power

Report Summary

Measurements

Fixture Output: 78300 lm
Fixture Peak: 690927 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 27637 lux
Color Temperature: 7252 K
CRI: 69.5 CRI R9 Value: -32.0
CQS: 69.4
TLCI: 47
TM-30 Rf: 70.0
TM-30 Rg: 95.1
Beam Angle (50%): 19.4°
Field Angle (10%): 29.1°
Cutoff Angle (3%): 34.2°

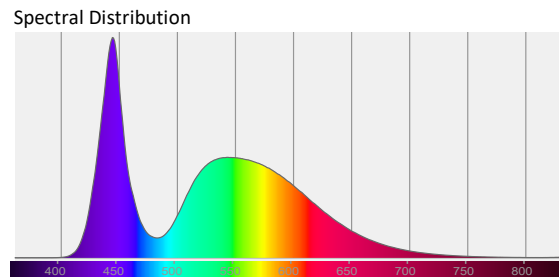
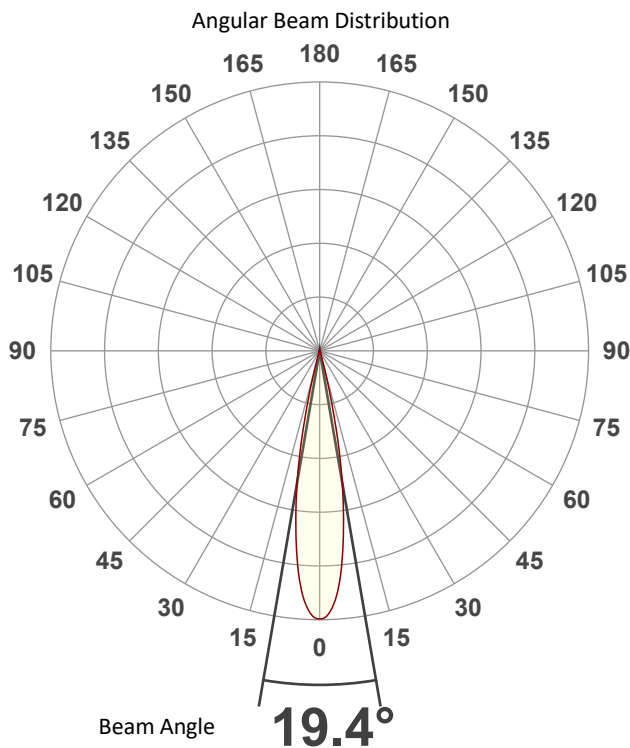


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

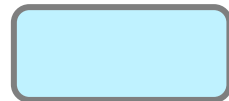
Overall Measurement



Tested Color (CIE 1931):

X: 0.302

Y: 0.318



Light Quality

CRI: 69.5

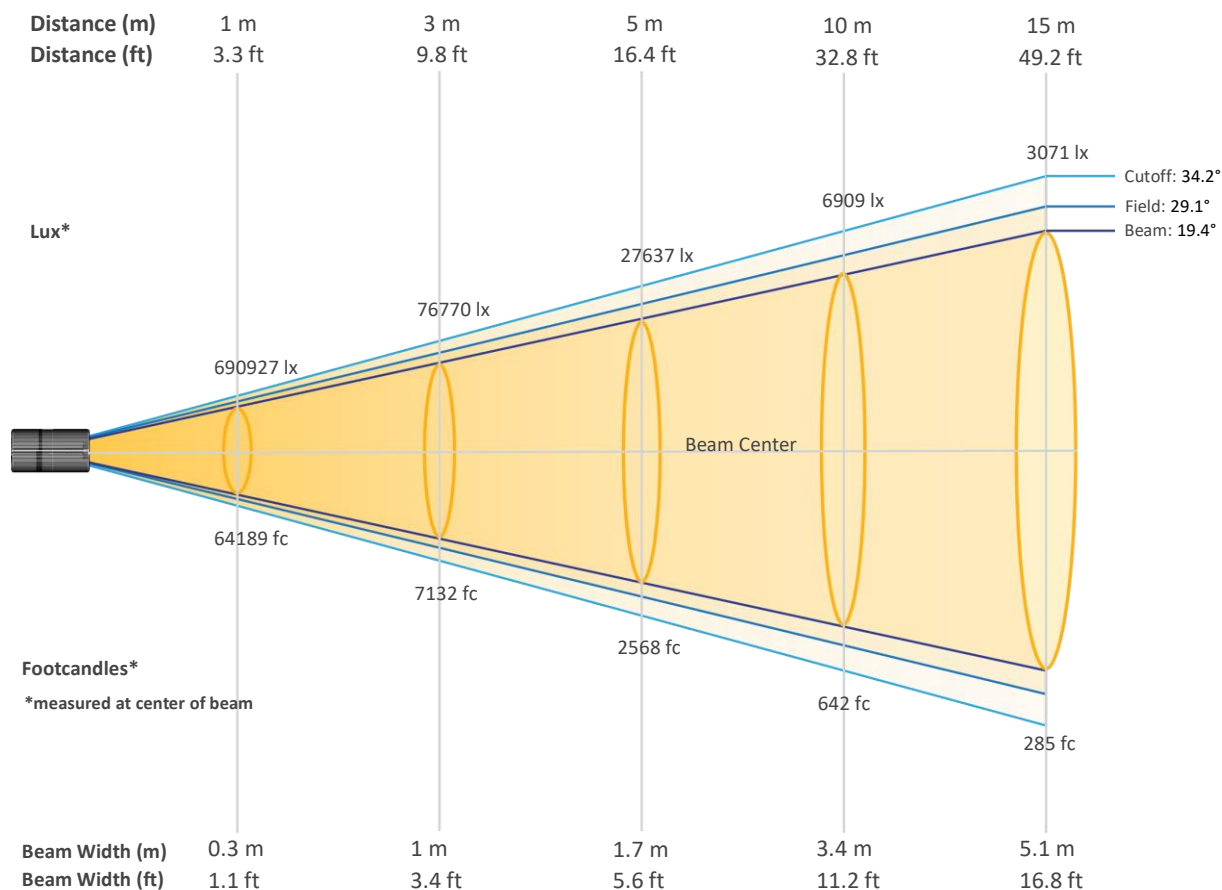
Color Temperature

7252 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power

Beam Details

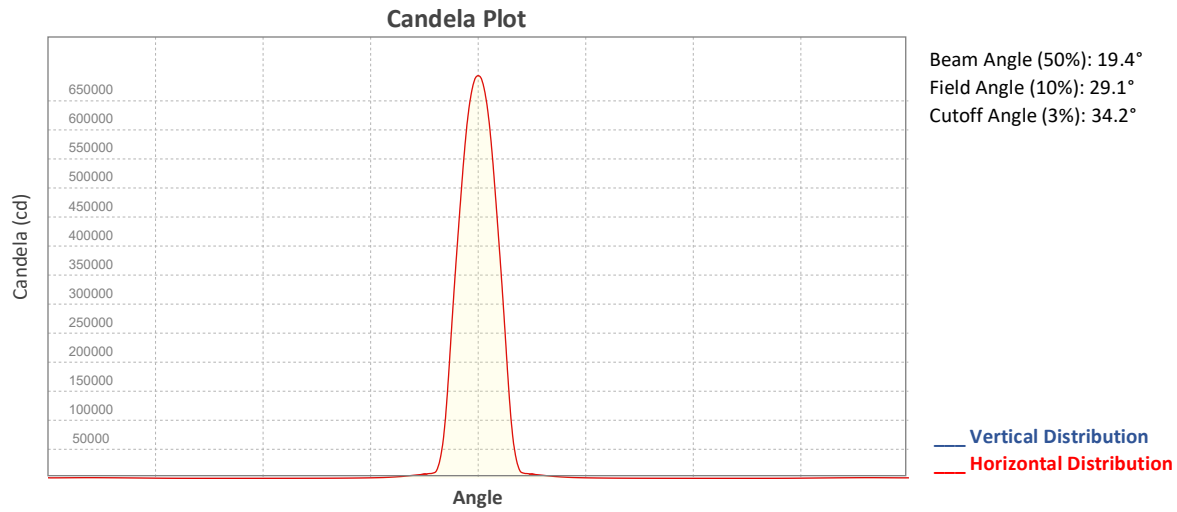


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	690927	172732	76770	43183	27637	19192	14101	10796	8530	6909
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	5710	4798	4088	3525	3071	2699	2391	2132	1914	1727
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	64189	16047	7132	4012	2568	1783	1310	1003	792	642
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	530	446	380	327	285	251	222	198	178	160

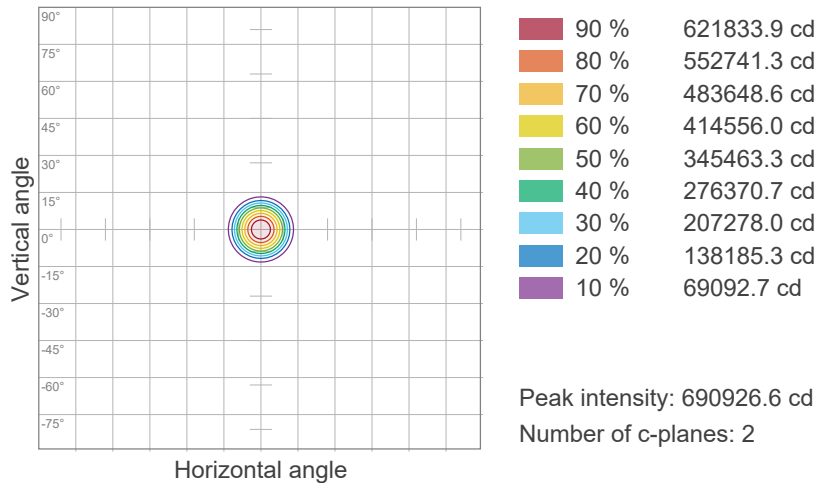
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power

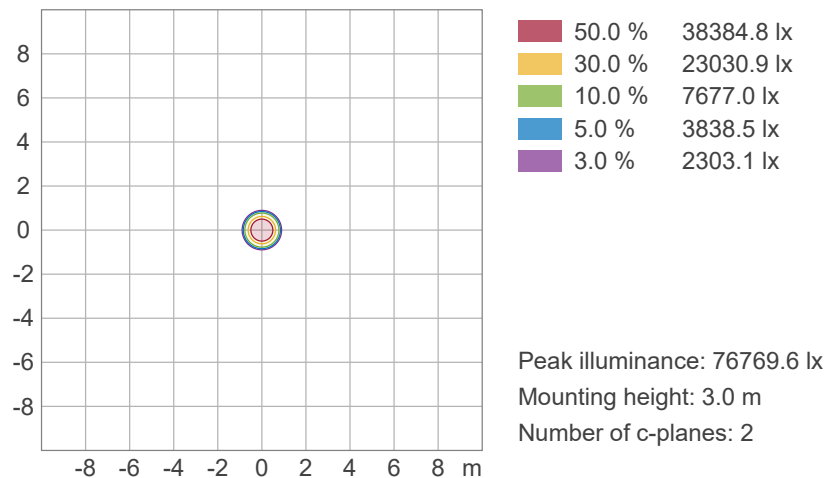


ISO Diagrams

ISO Candela Diagram



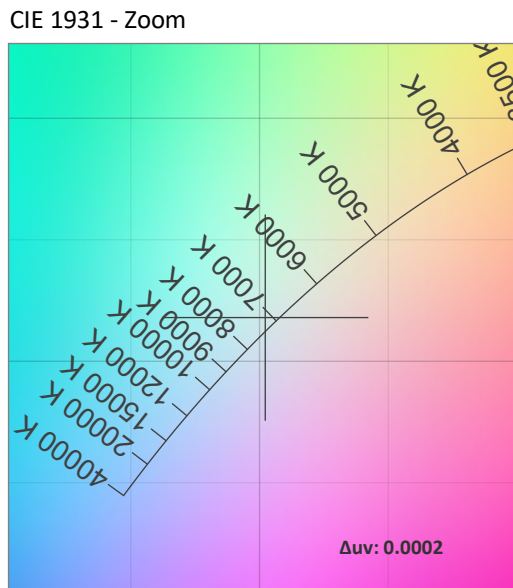
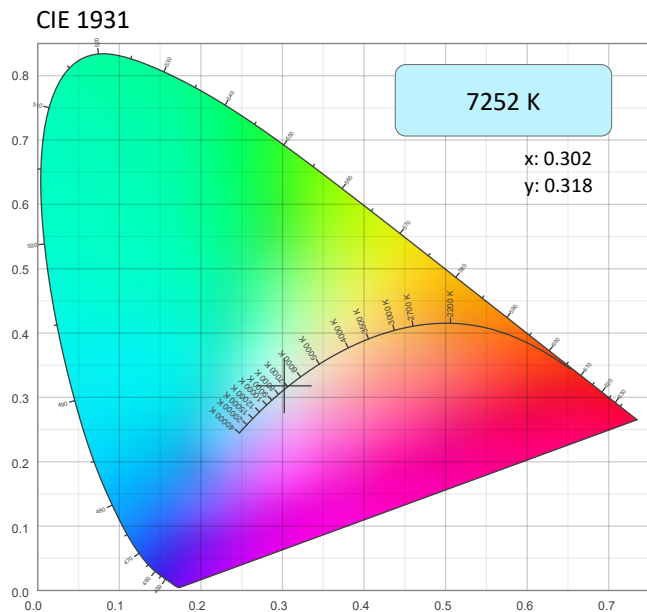
ISO Lux Diagram



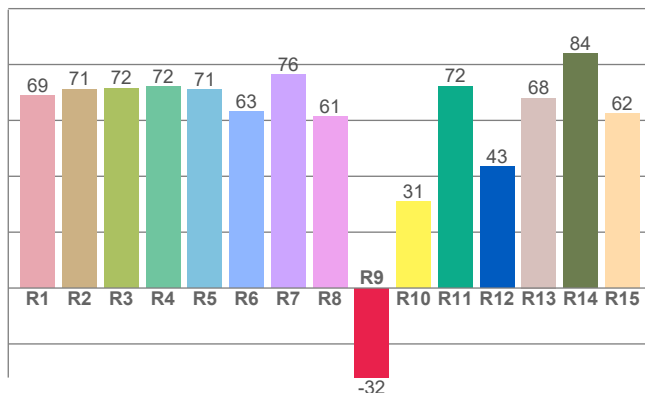
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power

Chromaticity



CRI: 69.5 (R1-R8)

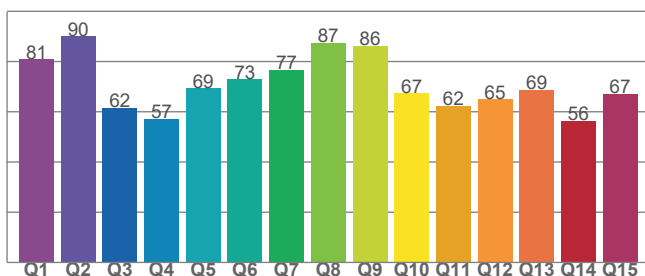


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7252 K	0.302	0.318

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0002	0.318	0.195

CQS: 69.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.5	-32.0	69.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	70.0	95.1



Photometric & Chromaticity Report

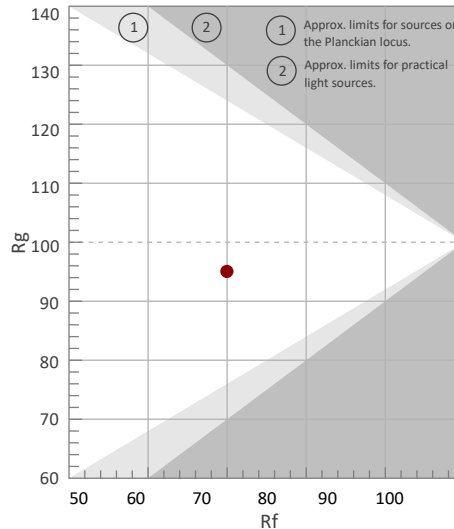
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power

TM-30 Details

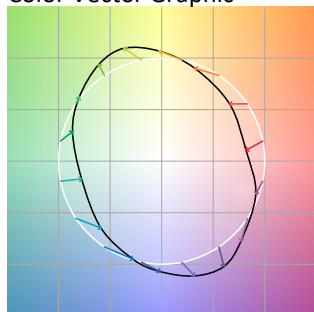
Rf 70.0
Fidelity Index (Rg)

Rg 95.1
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-6%
2	69	-14%	10%
3	63	-7%	23%
4	62	4%	23%
5	69	14%	14%
6	81	12%	-1%
7	89	1%	-7%
8	76	-10%	-11%
9	76	-21%	2%
10	64	-15%	21%
11	40	-5%	30%
12	66	5%	19%
13	79	15%	10%
14	77	18%	-7%
15	72	7%	-22%
16	75	-4%	-13%



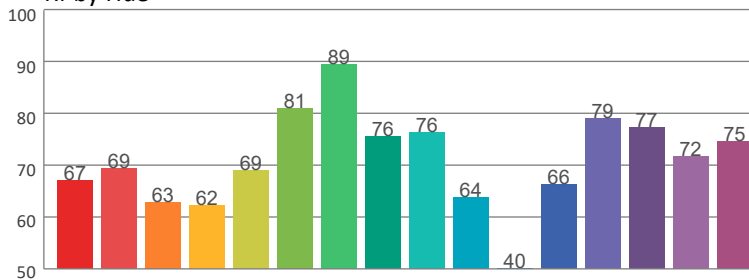
Color Vector Graphic



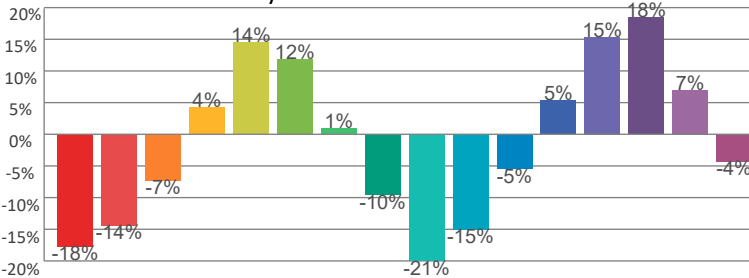
Color Distortion Graphic



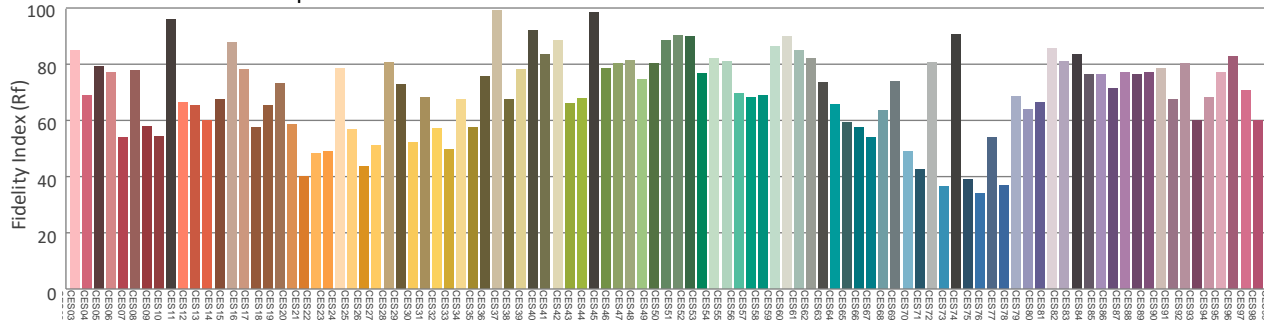
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Auto

Report Summary

Measurements

Fixture Output: 75426 lm
Fixture Peak: 674564 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 26983 lux
Color Temperature: 7252 K
CRI: 69.6 CRI R9 Value: -31.7
CQS: 69.5
TLCI: 47
TM-30 Rf: 70.1
TM-30 Rg: 95.0
Beam Angle (50%): 19.7°
Field Angle (10%): 28°
Cutoff Angle (3%): 33.6°

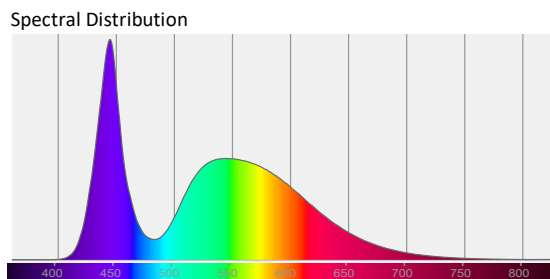
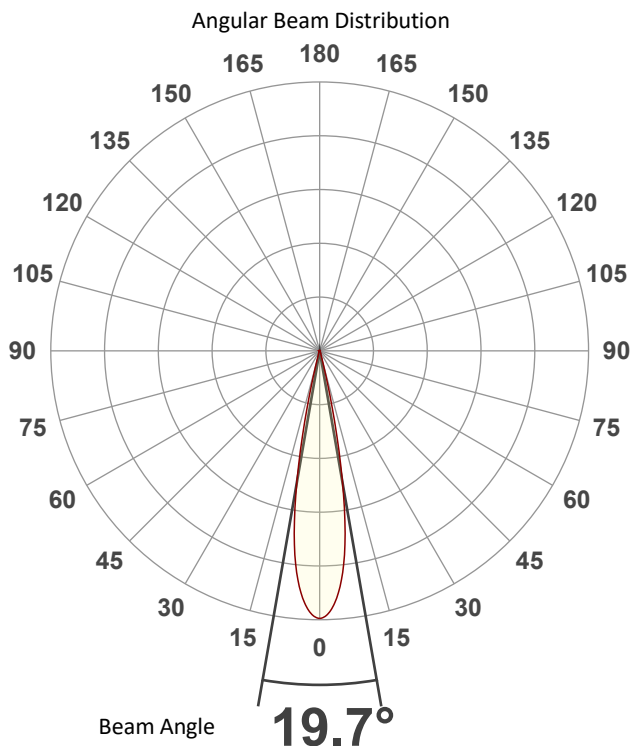


Conditions

AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

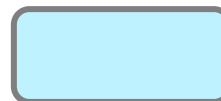
Overall Measurement



Tested Color (CIE 1931):

X: 0.302

Y: 0.318



Light Quality

CRI: 69.6

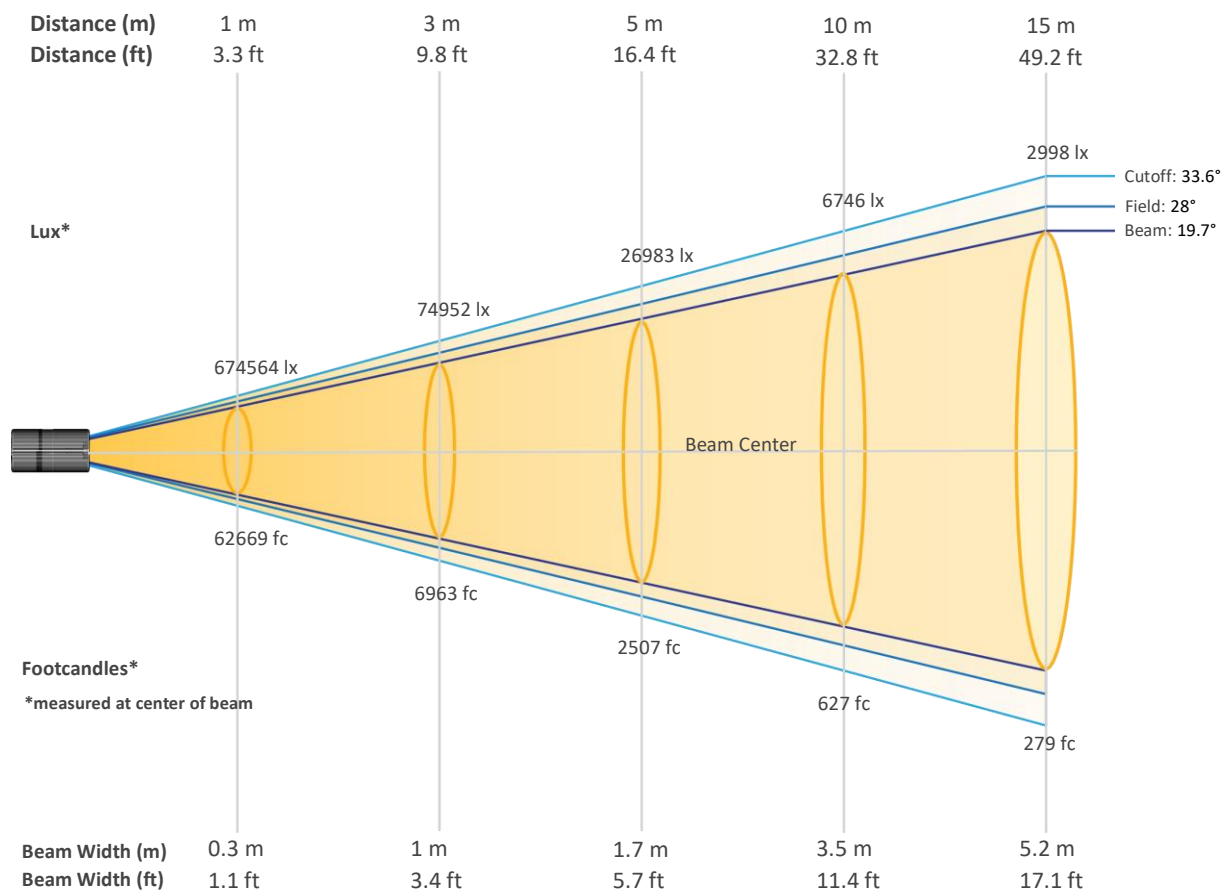
Color Temperature

7252 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Auto

Beam Details

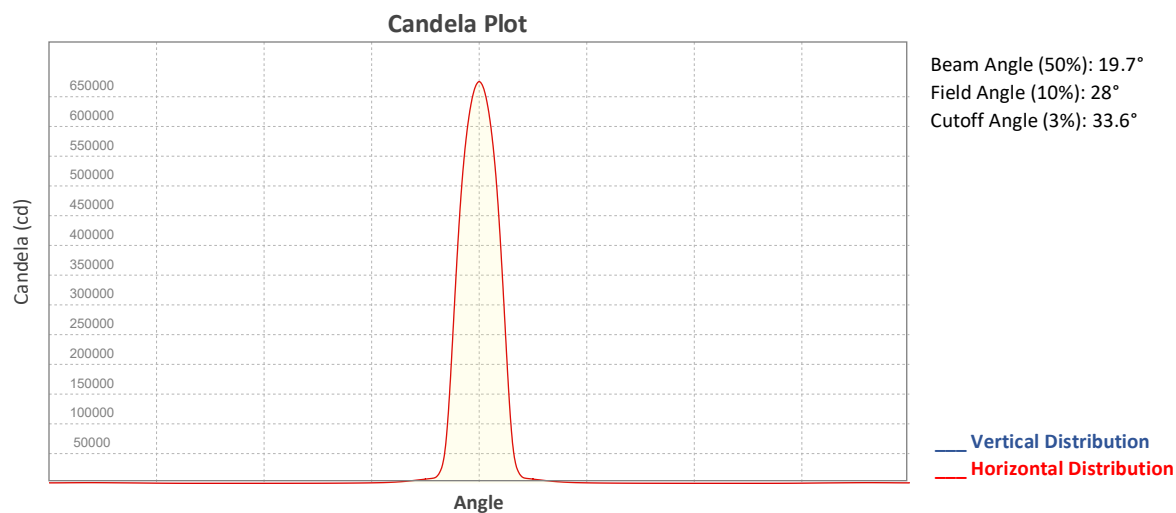


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	674564	168641	74952	42160	26983	18738	13767	10540	8328	6746
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	5575	4684	3992	3442	2998	2635	2334	2082	1869	1686
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	62669	15667	6963	3917	2507	1741	1279	979	774	627
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	518	435	371	320	279	245	217	193	174	157

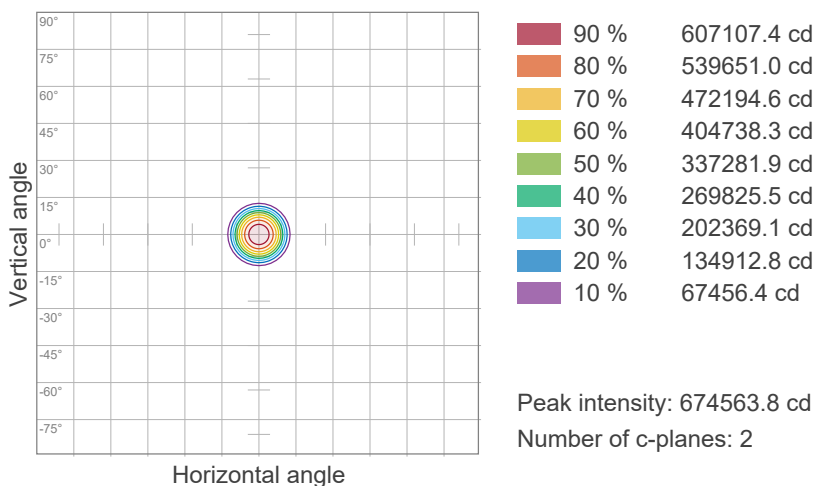
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Auto

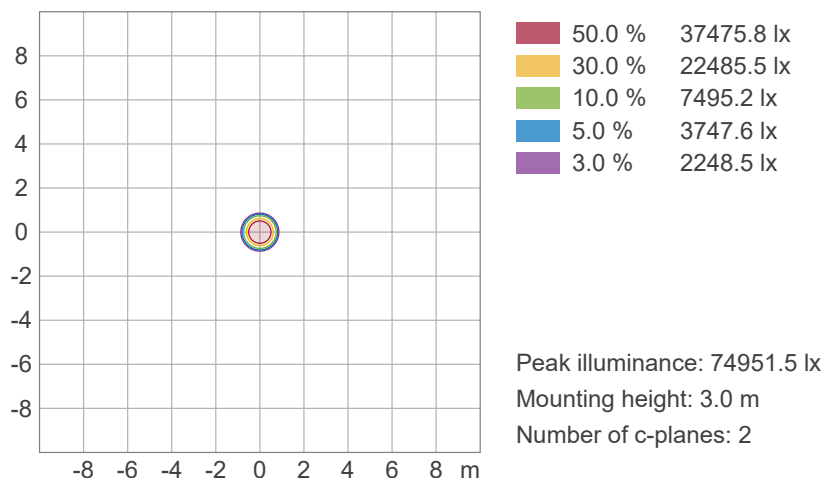


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

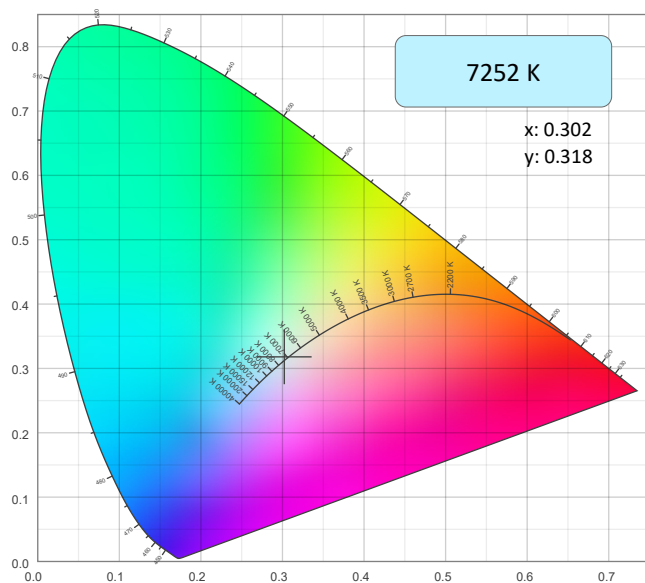


Photometric & Chromaticity Report

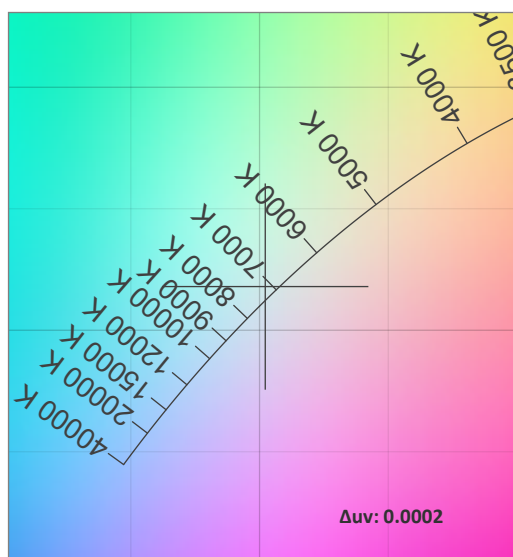
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Auto

Chromaticity

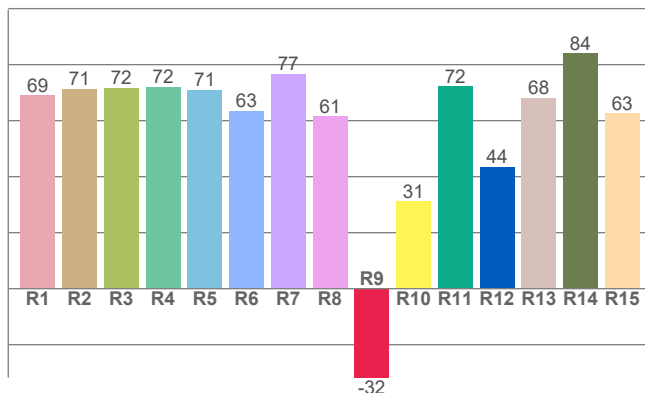
CIE 1931



CIE 1931 - Zoom



CRI: 69.6 (R1-R8)

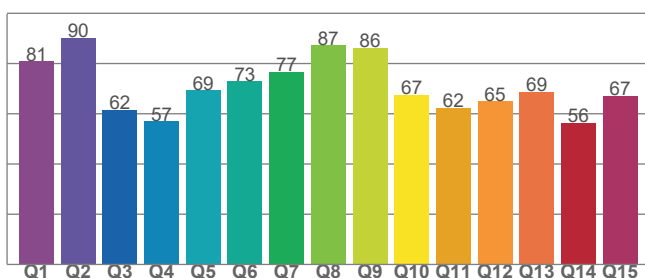


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7252 K	0.302	0.318

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0002	0.318	0.195

CQS: 69.5



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.6	-31.7	69.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	70.1	95.0



Photometric & Chromaticity Report

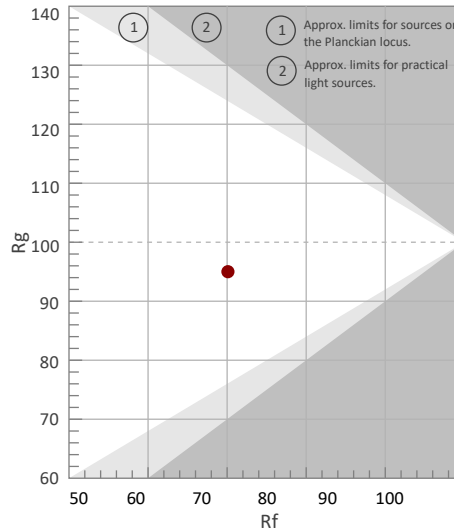
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Auto

TM-30 Details

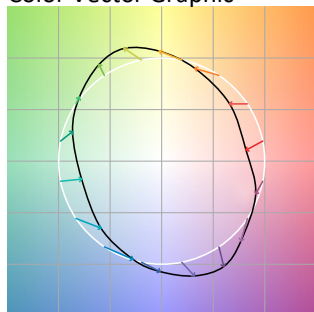
Rf 70.1
Fidelity Index (Rg)

Rg 95.0
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-5%
2	69	-14%	10%
3	63	-7%	23%
4	62	4%	23%
5	69	14%	14%
6	81	12%	-1%
7	90	1%	-7%
8	76	-10%	-11%
9	76	-20%	2%
10	64	-15%	21%
11	40	-5%	30%
12	66	5%	19%
13	79	15%	9%
14	77	18%	-7%
15	72	7%	-22%
16	75	-4%	-13%



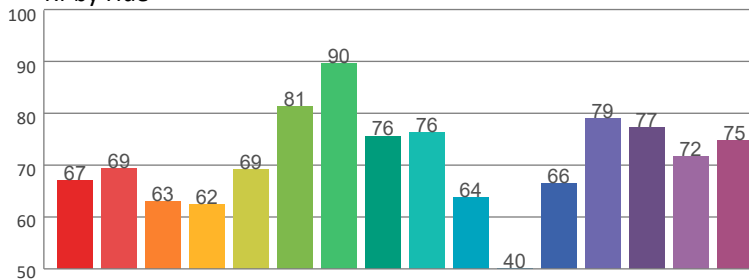
Color Vector Graphic



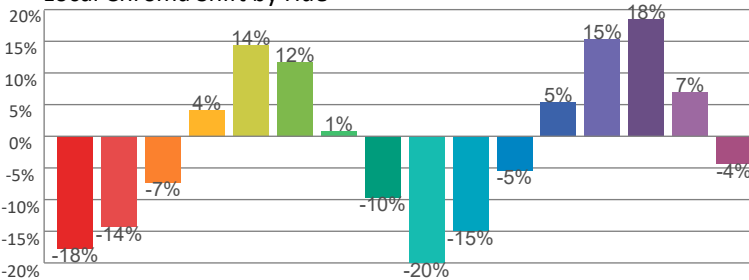
Color Distortion Graphic



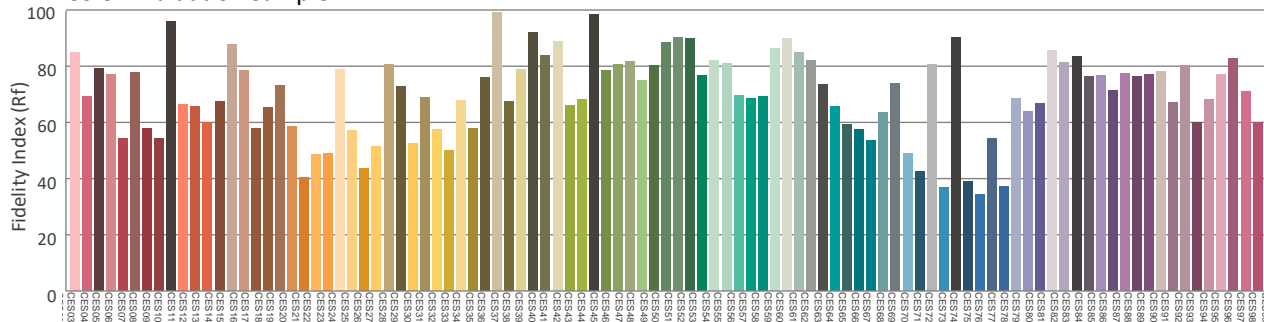
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Stable

Report Summary

Measurements

Fixture Output: 74813 lm
Fixture Peak: 668276 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 26731 lux
Color Temperature: 7242 K
CRI: 69.6 CRI R9 Value: -31.9
CQS: 69.5
TLCI: 47
TM-30 Rf: 70.2
TM-30 Rg: 95.0
Beam Angle (50%): 19.7°
Field Angle (10%): 28.1°
Cutoff Angle (3%): 32.3°

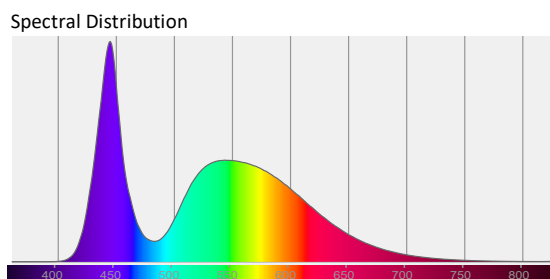
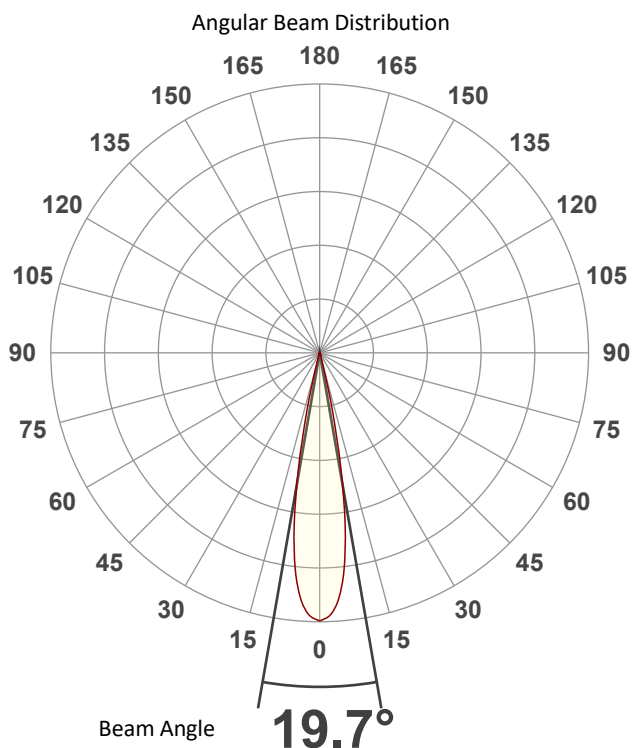


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

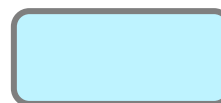
Overall Measurement



Tested Color (CIE 1931):

X: 0.302

Y: 0.318



Light Quality

CRI: 69.6

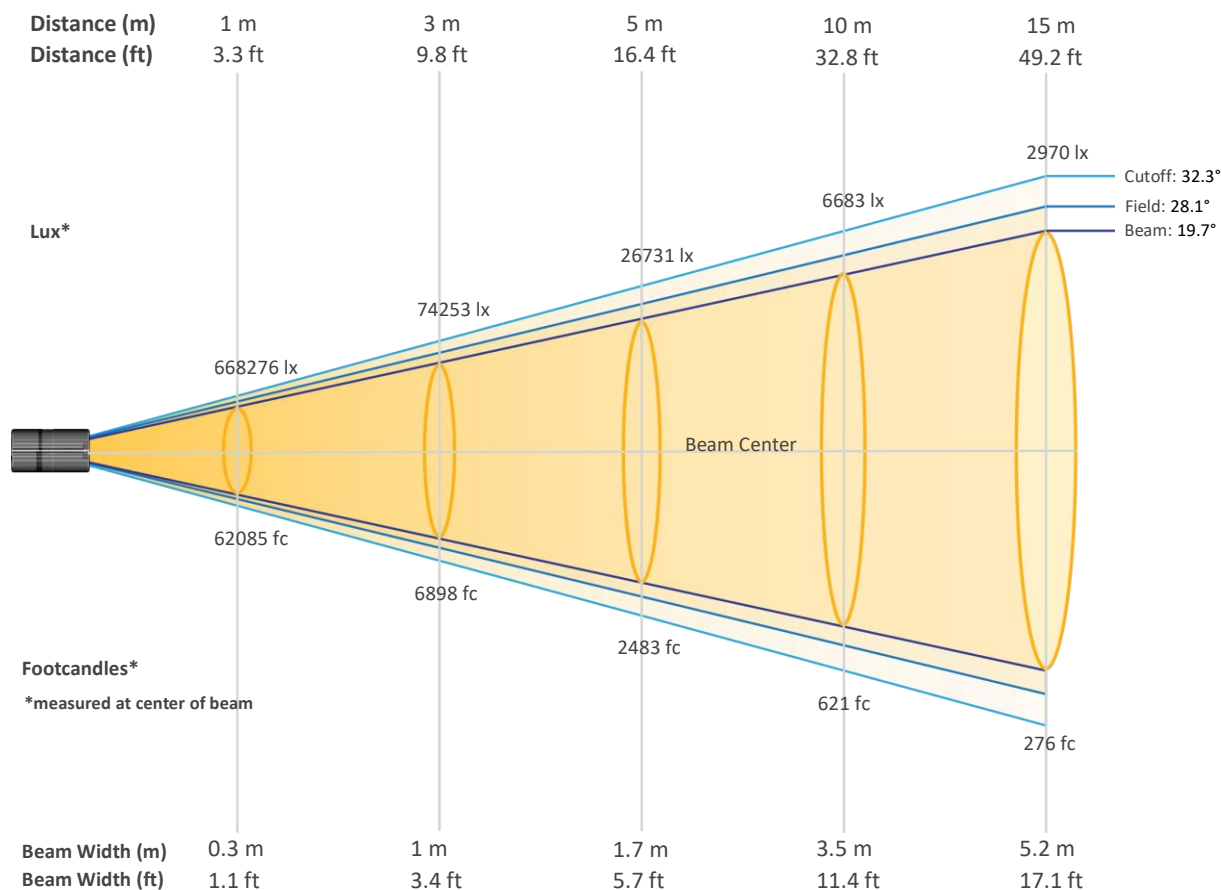
Color Temperature

7242 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Stable

Beam Details

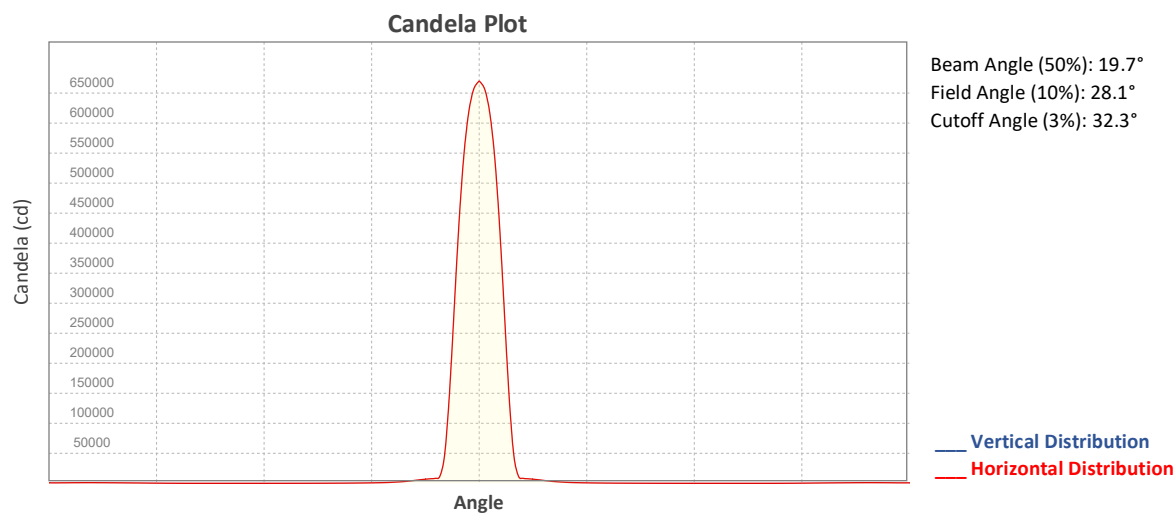


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	668276	167069	74253	41767	26731	18563	13638	10442	8250	6683
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	5523	4641	3954	3410	2970	2610	2312	2063	1851	1671
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	62085	15521	6898	3880	2483	1725	1267	970	766	621
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	513	431	367	317	276	243	215	192	172	155

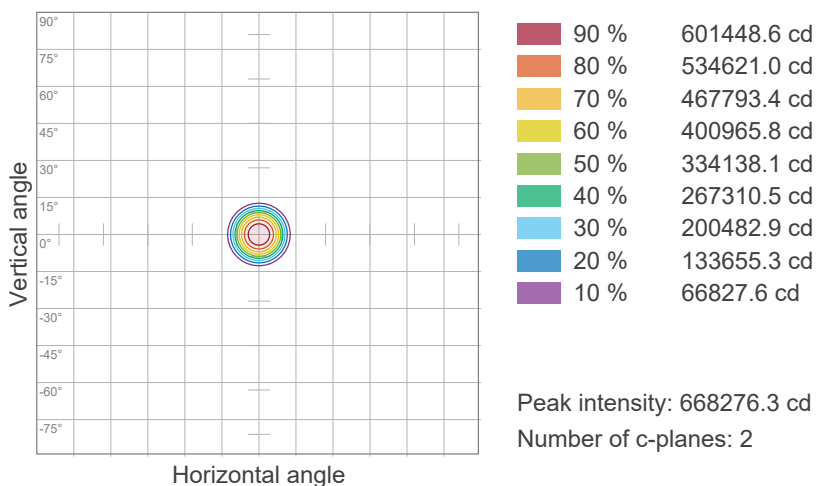
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Stable

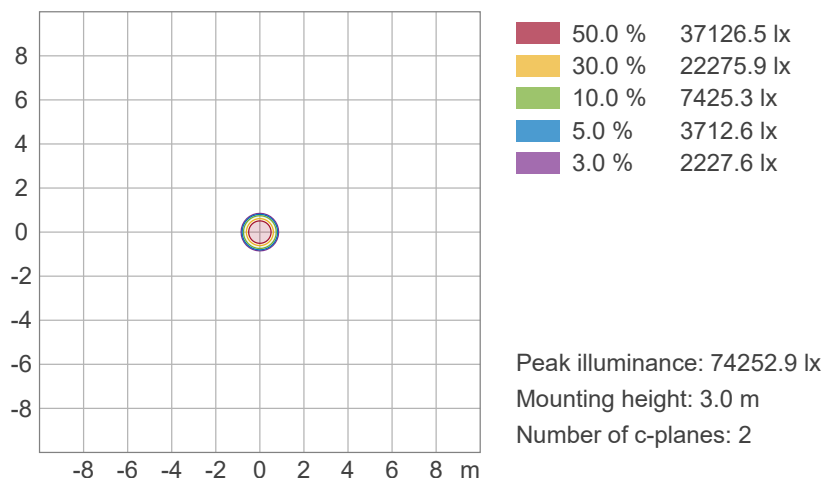


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

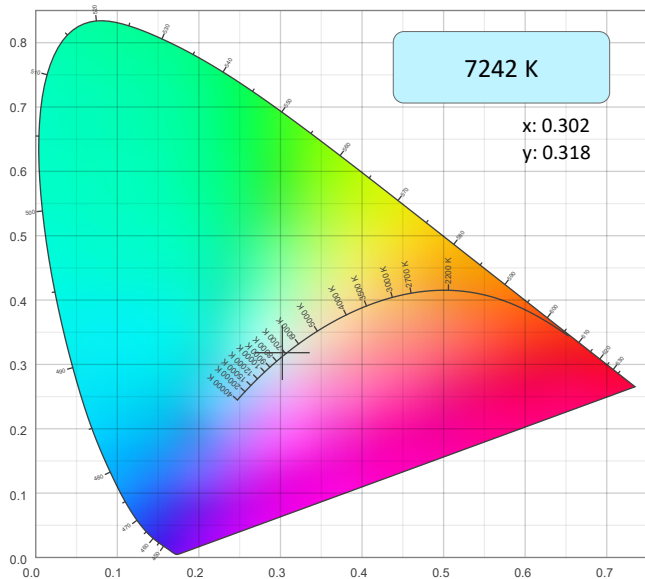


Photometric & Chromaticity Report

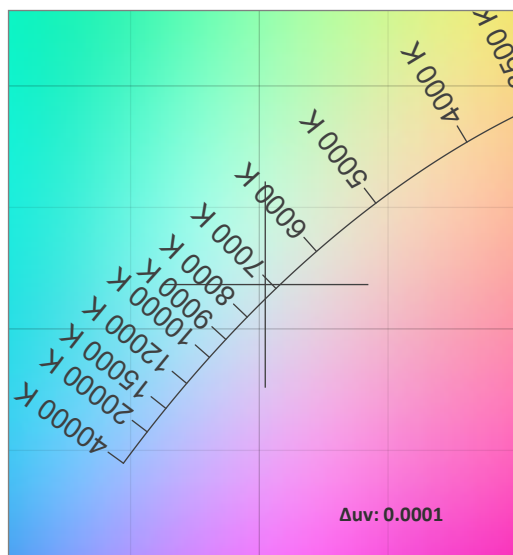
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Stable

Chromaticity

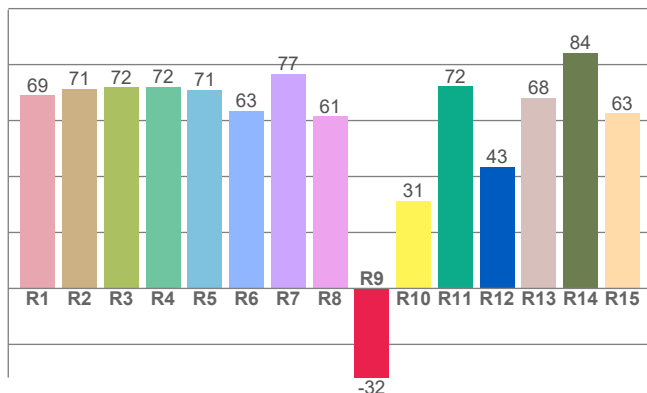
CIE 1931



CIE 1931 - Zoom



CRI: 69.6 (R1-R8)

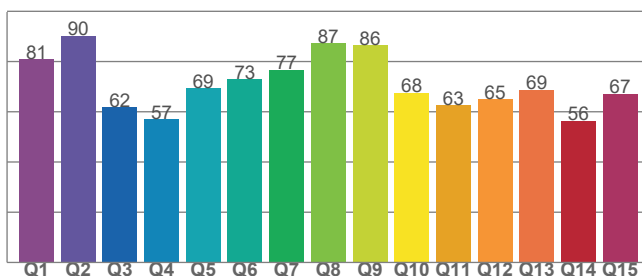


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7242 K	0.302	0.318

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0001	0.318	0.195

CQS: 69.5



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.6	-31.9	69.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	70.2	95.0

Photometric & Chromaticity Report

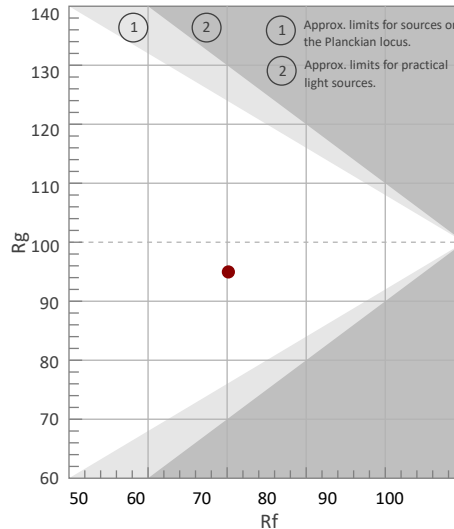
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - Stable

TM-30 Details

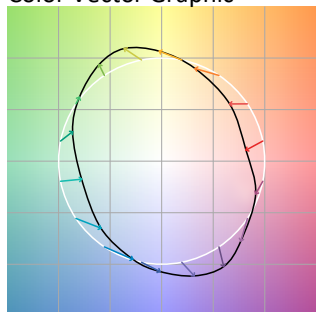
Rf 70.2
Fidelity Index
(Rg)

Rg 95.0
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-5%
2	69	-14%	10%
3	63	-7%	23%
4	63	4%	23%
5	69	14%	14%
6	81	12%	-2%
7	90	1%	-7%
8	76	-10%	-11%
9	76	-20%	2%
10	64	-15%	21%
11	40	-5%	30%
12	67	5%	19%
13	79	15%	9%
14	77	18%	-7%
15	72	7%	-22%
16	75	-4%	-13%



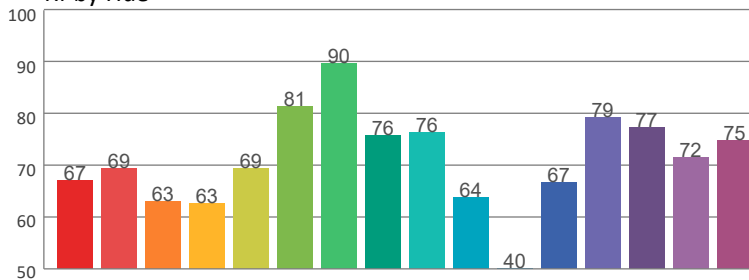
Color Vector Graphic



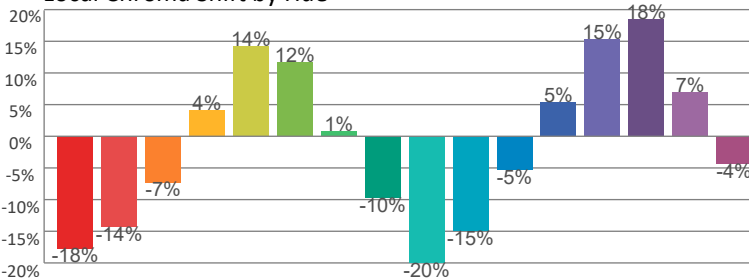
Color Distortion Graphic



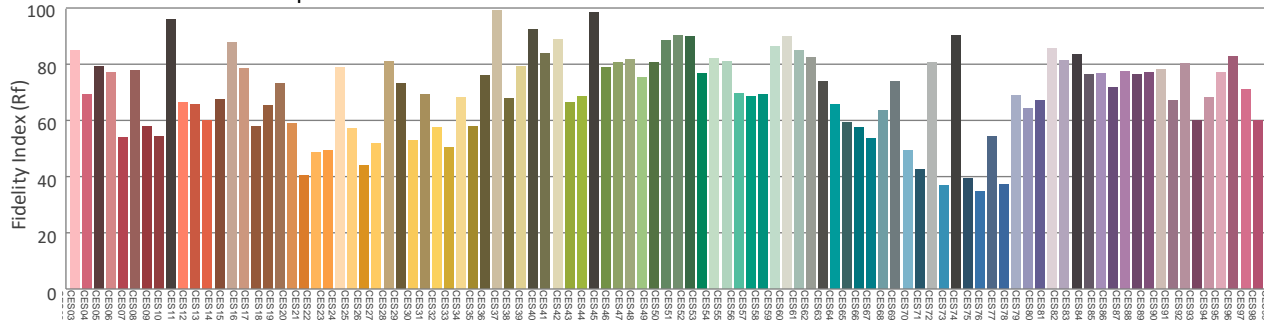
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - ECO

Report Summary

Measurements

Fixture Output: 69057 lm
Fixture Peak: 643768 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 25751 lux
Color Temperature: 7254 K
CRI: 69.7 CRI R9 Value: -31.8
CQS: 69.5
TLCI: 47
TM-30 Rf: 70.2
TM-30 Rg: 94.9
Beam Angle (50%): 18.4°
Field Angle (10%): 28.1°
Cutoff Angle (3%): 34.5°

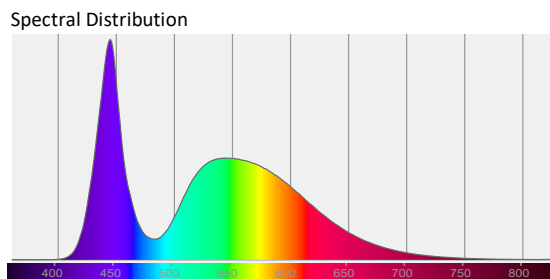
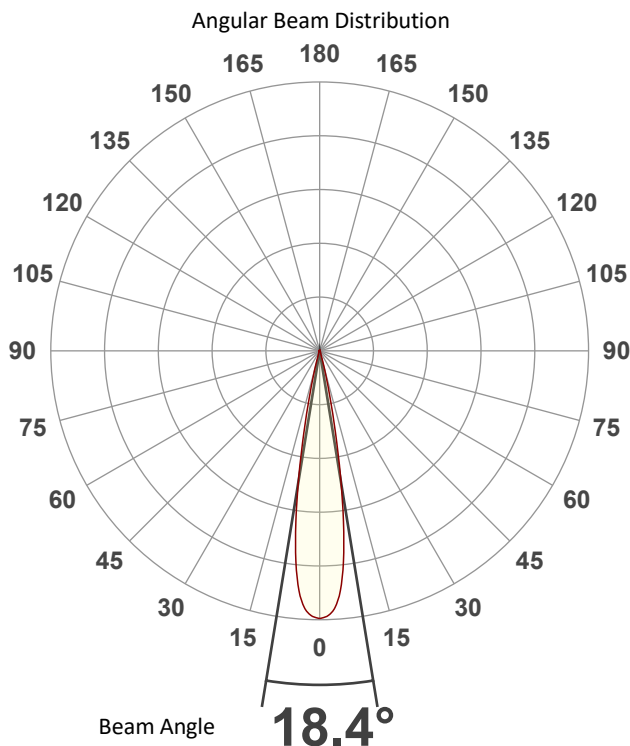


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.302
Y: 0.318

Light Quality
CRI: 69.7

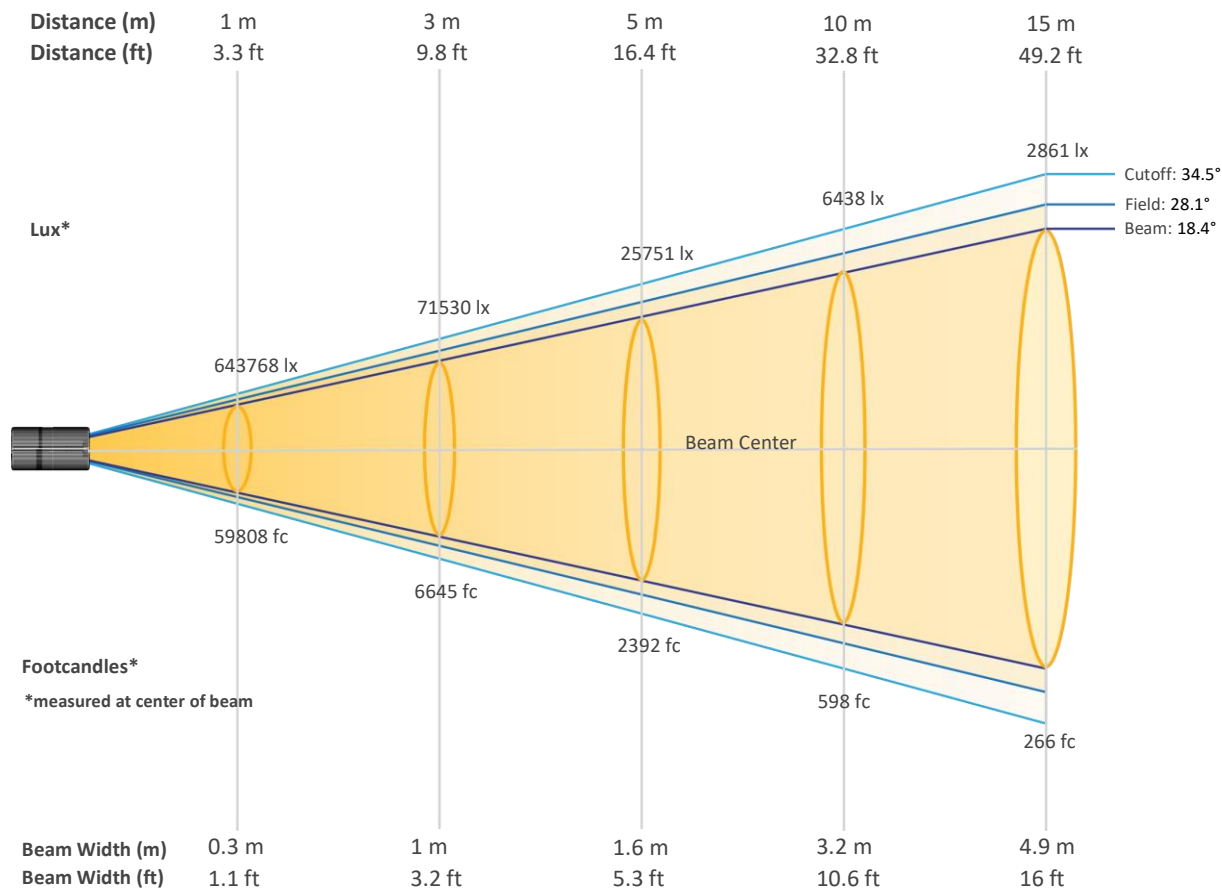
Color Temperature
7254 K



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - ECO

Beam Details

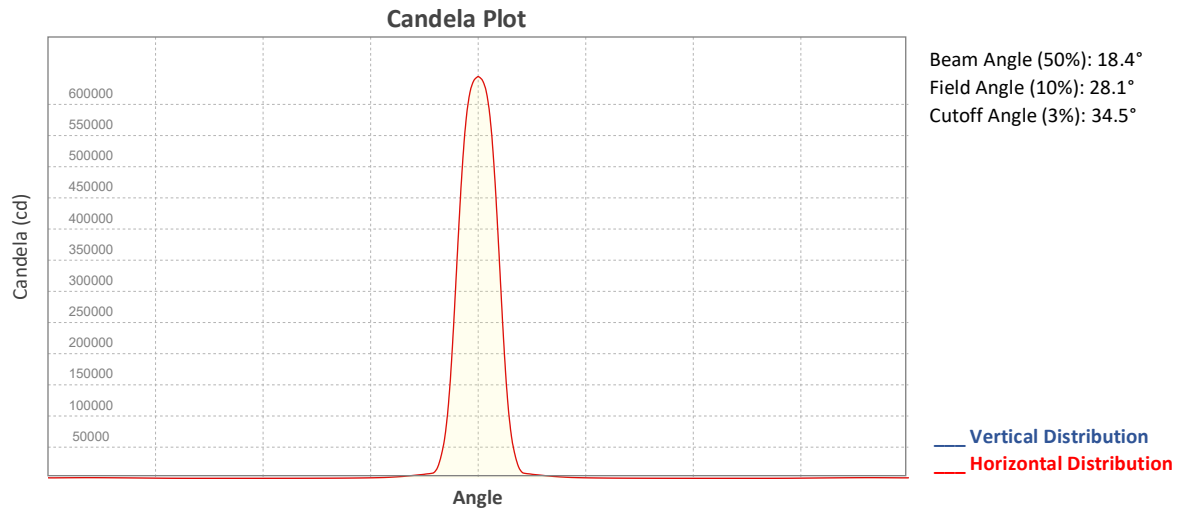


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	643768	160942	71530	40236	25751	17882	13138	10059	7948	6438
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	5320	4471	3809	3285	2861	2515	2228	1987	1783	1609
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	59808	14952	6645	3738	2392	1661	1221	935	738	598
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	494	415	354	305	266	234	207	185	166	150

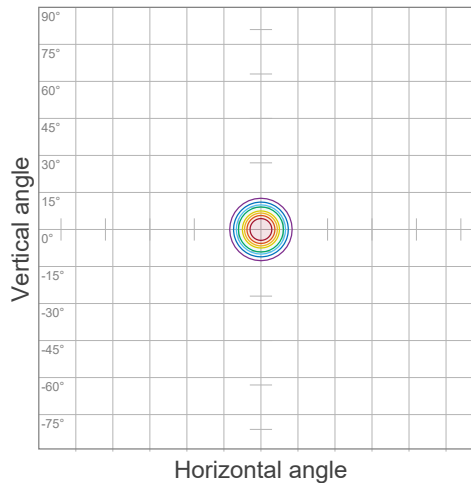
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - ECO



ISO Diagrams

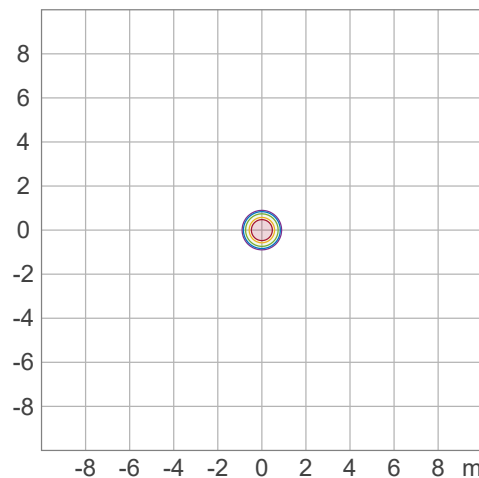
ISO Candela Diagram



90 %	579391.6 cd
80 %	515014.8 cd
70 %	450637.9 cd
60 %	386261.1 cd
50 %	321884.2 cd
40 %	257507.4 cd
30 %	193130.5 cd
20 %	128753.7 cd
10 %	64376.8 cd

Peak intensity: 643768.4 cd
 Number of c-planes: 2

ISO Lux Diagram



50.0 %	35764.9 lx
30.0 %	21459.0 lx
10.0 %	7153.0 lx
5.0 %	3576.5 lx
3.0 %	2145.9 lx

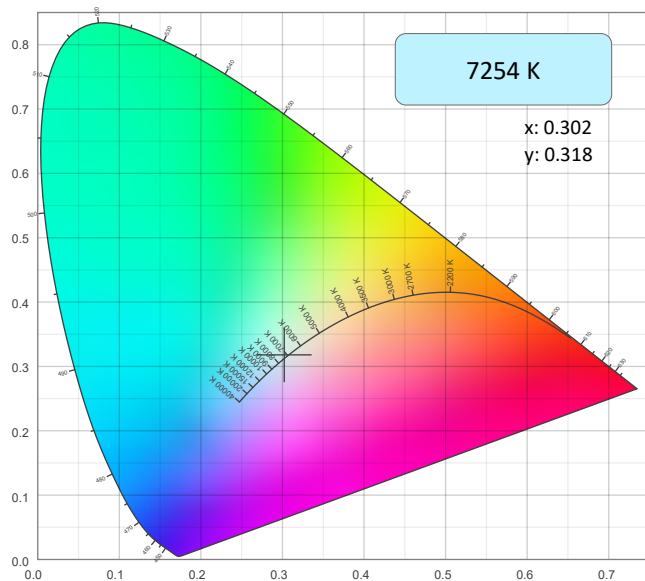
Peak illuminance: 71529.8 lx
 Mounting height: 3.0 m
 Number of c-planes: 2

Photometric & Chromaticity Report

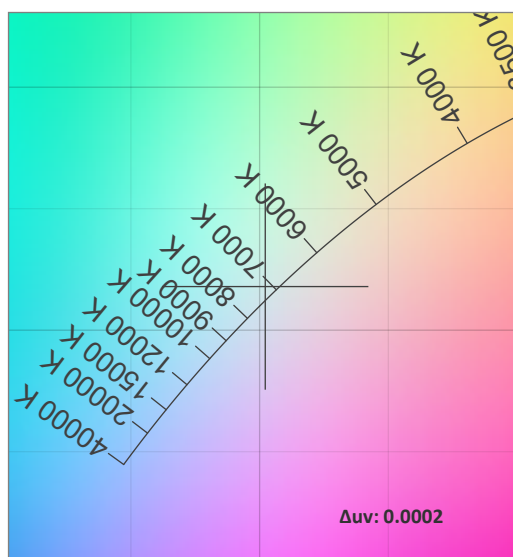
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - ECO

Chromaticity

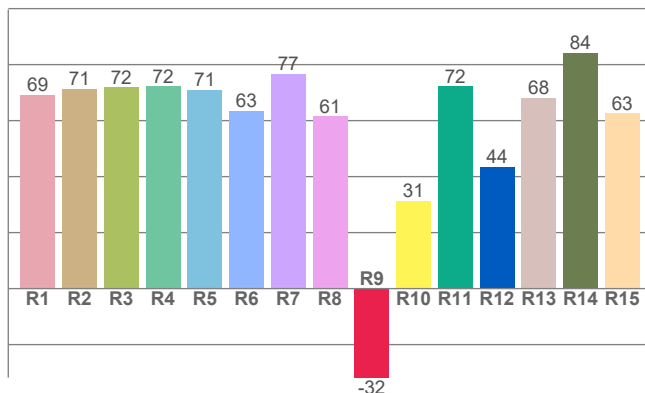
CIE 1931



CIE 1931 - Zoom



CRI: 69.7 (R1-R8)

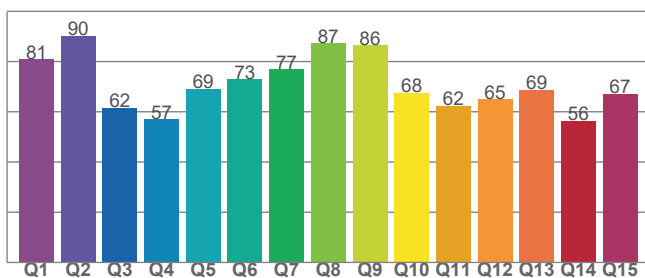


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7254 K	0.302	0.318

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0002	0.318	0.195

CQS: 69.5



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.7	-31.8	69.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	70.2	94.9

Photometric & Chromaticity Report

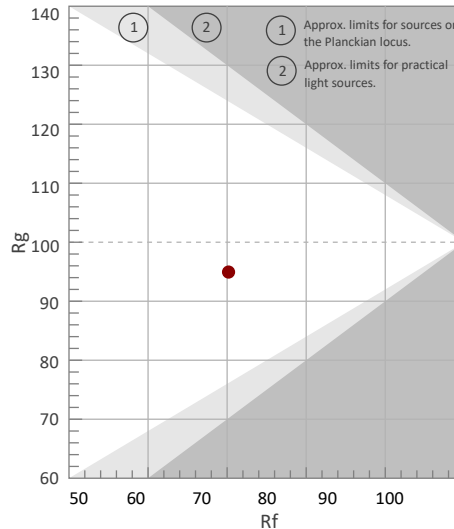
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - ECO

TM-30 Details

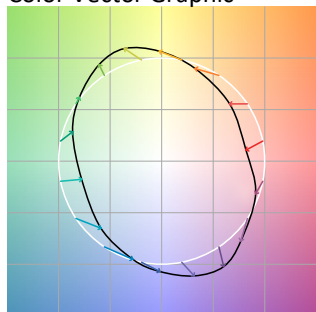
Rf 70.2
Fidelity Index
(Rg)

Rg 94.9
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-5%
2	69	-14%	10%
3	63	-7%	23%
4	63	4%	23%
5	69	14%	14%
6	81	12%	-2%
7	90	1%	-7%
8	76	-10%	-11%
9	76	-20%	2%
10	64	-15%	21%
11	40	-5%	30%
12	67	5%	19%
13	79	15%	9%
14	77	18%	-7%
15	72	7%	-22%
16	75	-4%	-13%



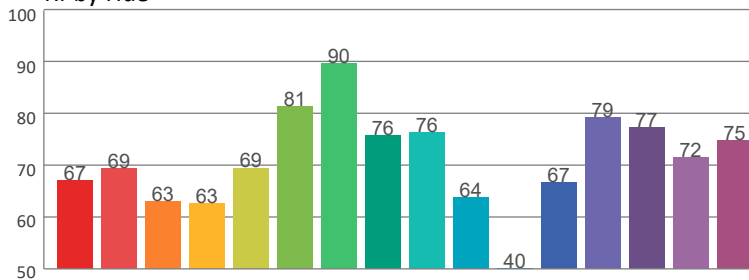
Color Vector Graphic



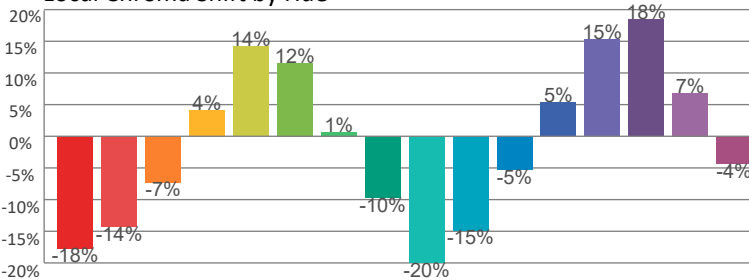
Color Distortion Graphic



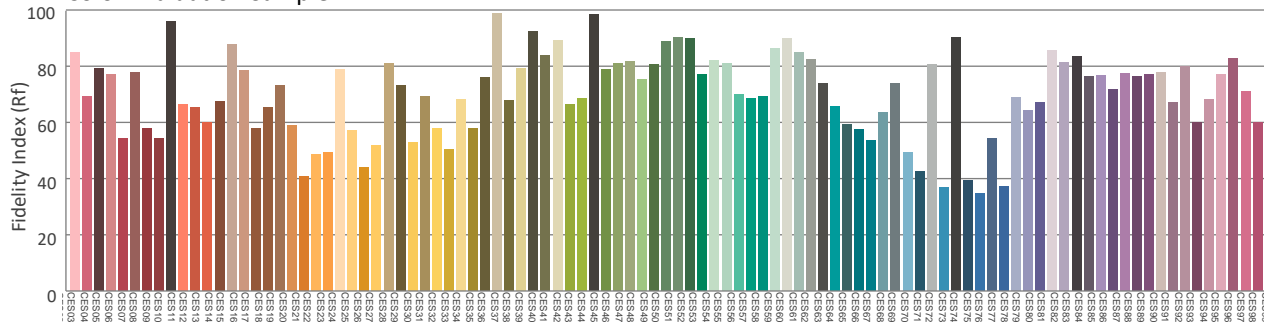
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25

Report Summary

Measurements

Fixture Output: 49209 lm
Fixture Peak: 441016 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 17641 lux
Color Temperature: 7147 K
CRI: 68.7 CRI R9 Value: -35.3
CQS: 69.2
TLCI: 46
TM-30 Rf: 69.4
TM-30 Rg: 95.0
Beam Angle (50%): 18.9°
Field Angle (10%): 28.9°
Cutoff Angle (3%): 34.4°

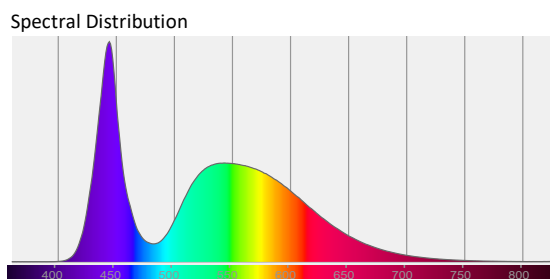
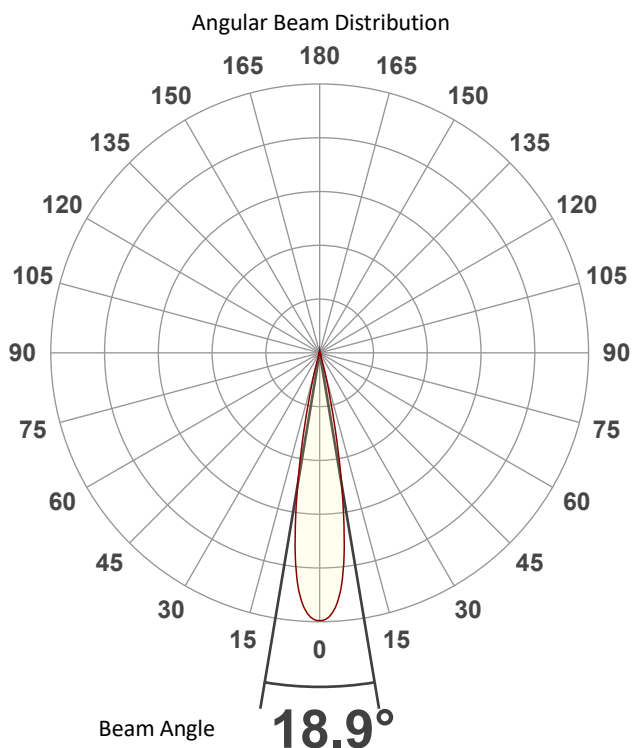


Conditions

AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

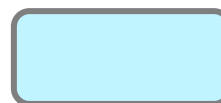
Overall Measurement



Tested Color (CIE 1931):

X: 0.303

Y: 0.320



Light Quality

CRI: 68.7

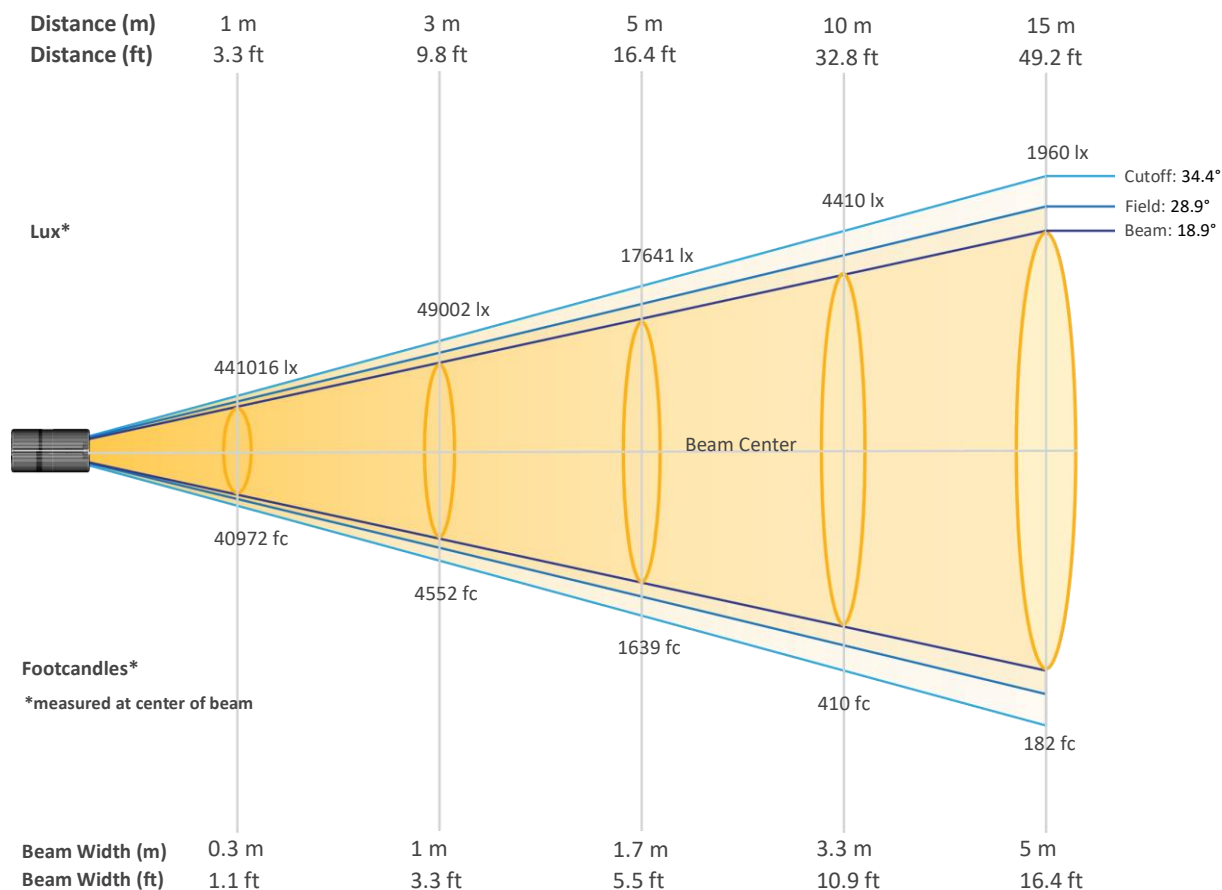
Color Temperature

7147 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25

Beam Details

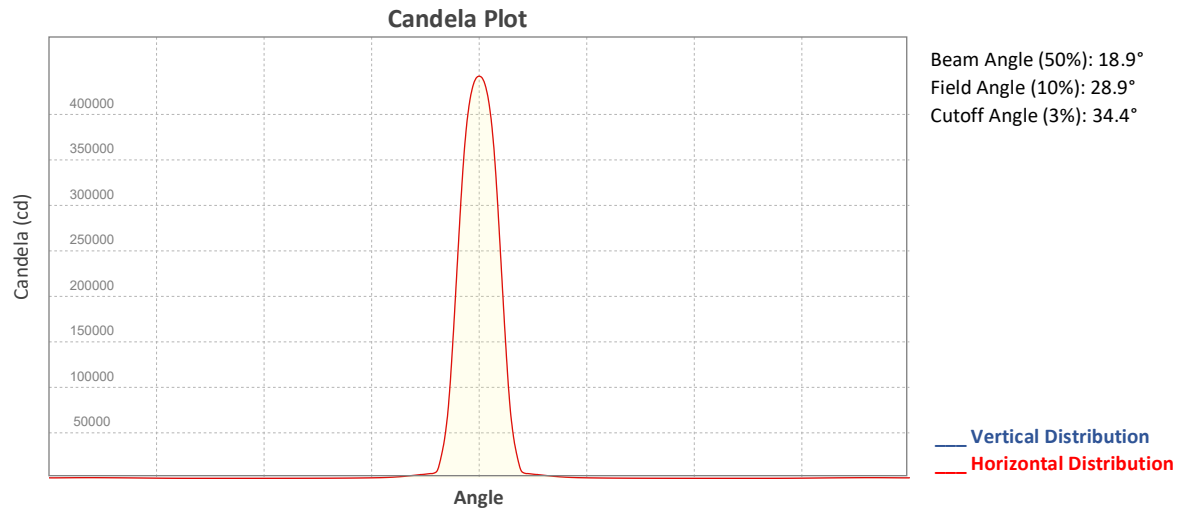


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	441016	110254	49002	27564	17641	12250	9000	6891	5445	4410
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3645	3063	2610	2250	1960	1723	1526	1361	1222	1103
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	40972	10243	4552	2561	1639	1138	836	640	506	410
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	339	285	242	209	182	160	142	126	113	102

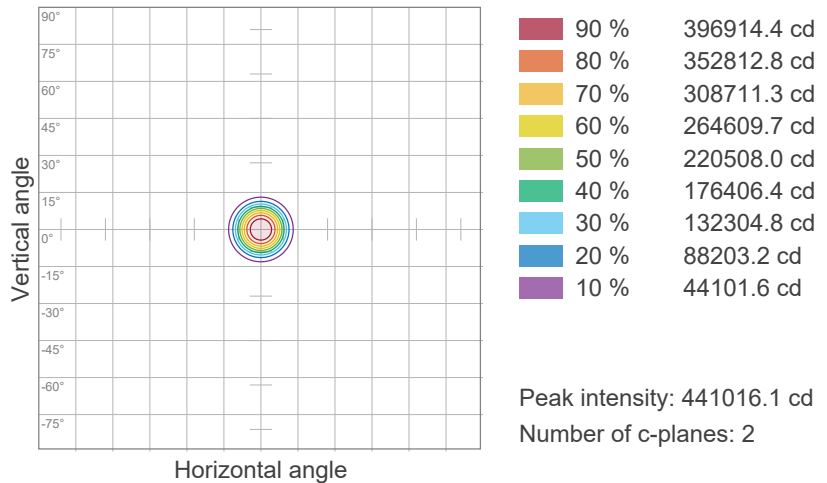
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25

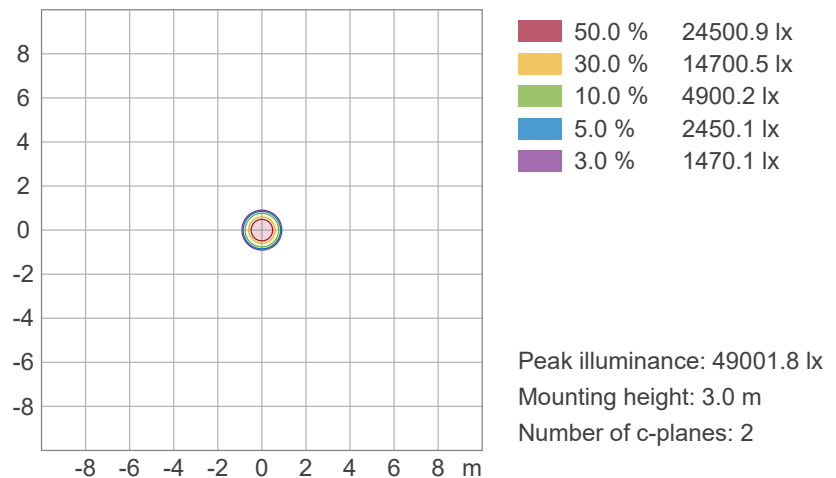


ISO Diagrams

ISO Candela Diagram



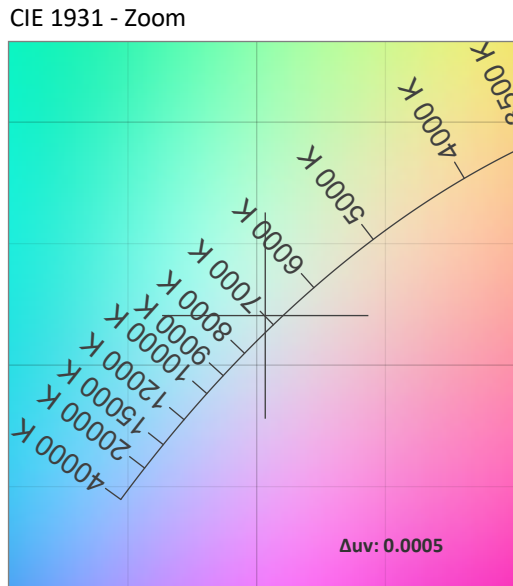
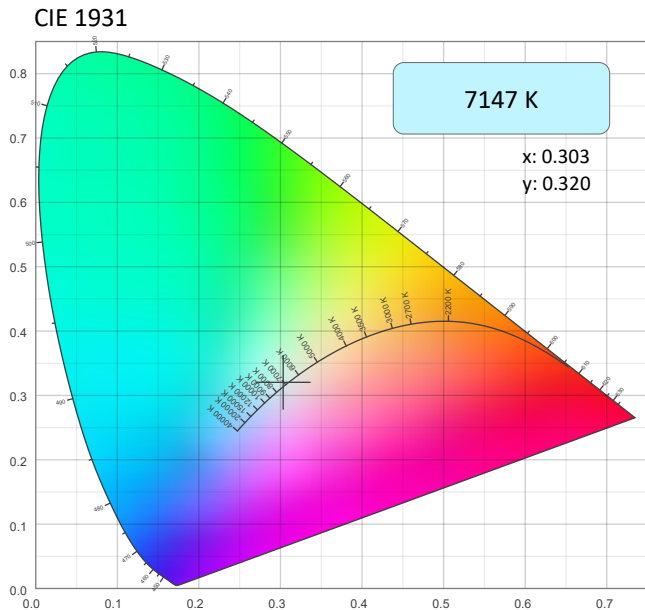
ISO Lux Diagram



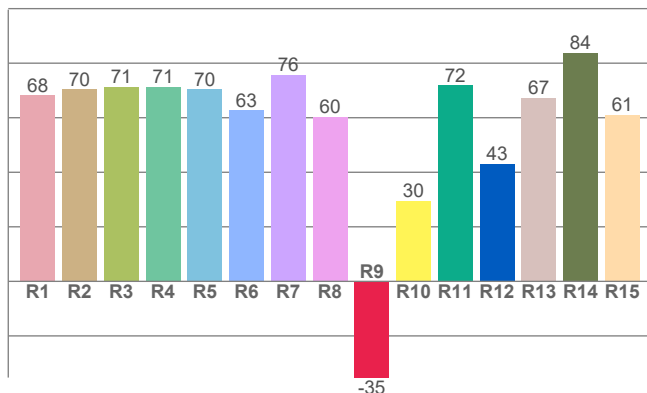
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25

Chromaticity



CRI: 68.7 (R1-R8)

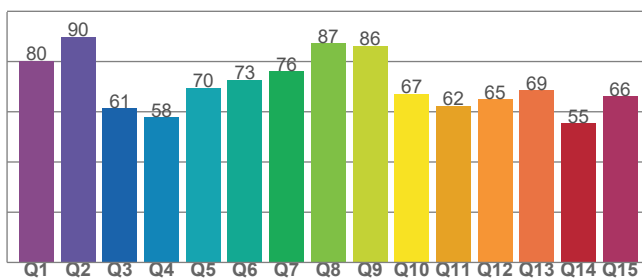


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7147 K	0.303	0.320

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0005	0.320	0.194

CQS: 69.2



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.7	-35.3	69.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
46	69.4	95.0

Photometric & Chromaticity Report

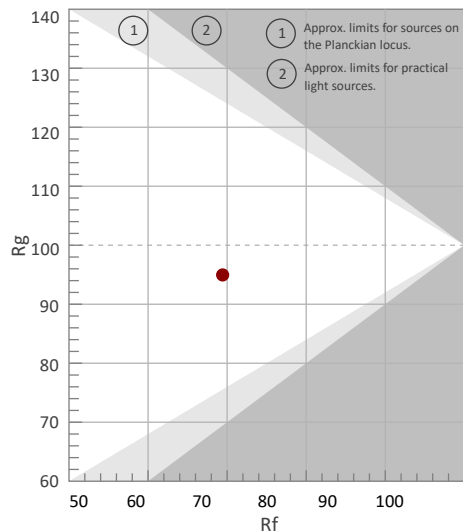
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25

TM-30 Details

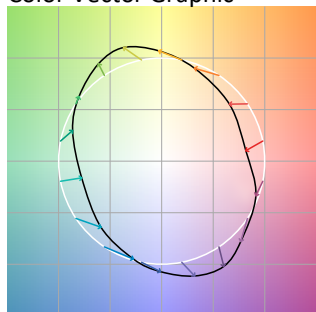
Rf 69.4
Fidelity Index (Rg)

Rg 95.0
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	66	-18%	-6%
2	69	-15%	9%
3	62	-7%	24%
4	62	4%	24%
5	68	15%	15%
6	80	13%	-1%
7	89	1%	-8%
8	75	-10%	-12%
9	76	-21%	1%
10	64	-15%	21%
11	40	-6%	30%
12	66	5%	20%
13	79	15%	10%
14	77	18%	-7%
15	70	7%	-22%
16	74	-4%	-15%



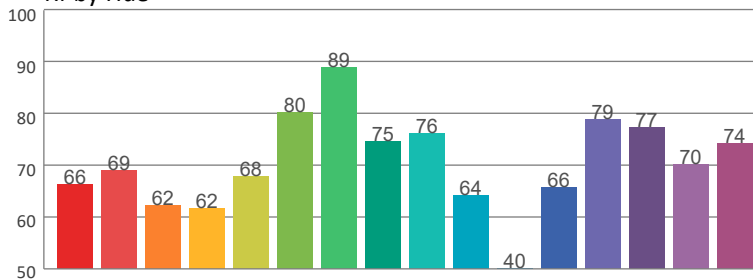
Color Vector Graphic



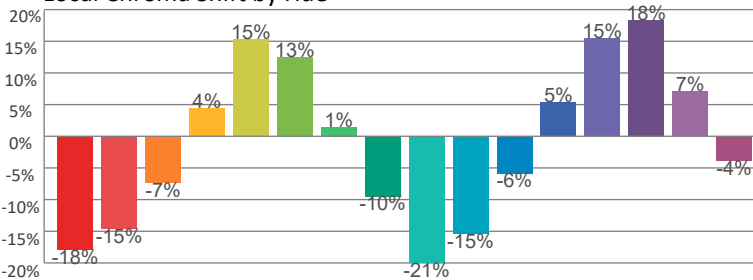
Color Distortion Graphic



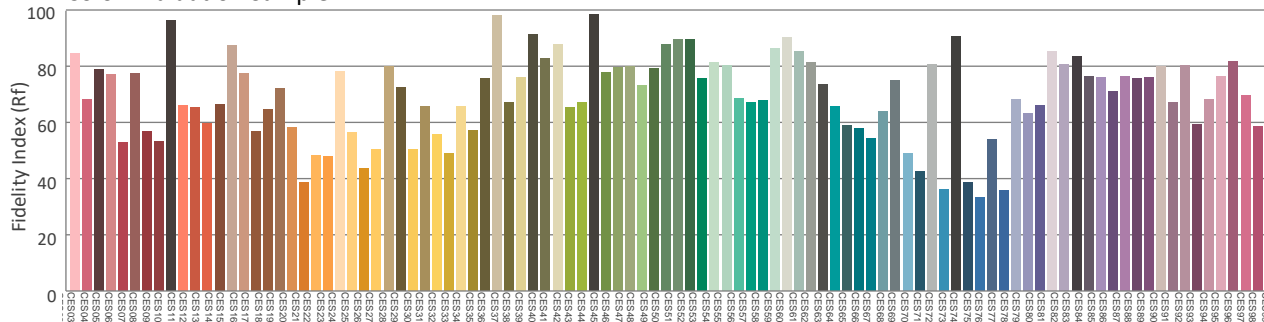
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25 - Stable

Report Summary

Measurements

Fixture Output: 48202 lm
Fixture Peak: 427116 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 17085 lux
Color Temperature: 7203 K
CRI: 69.3 CRI R9 Value: -33.1
CQS: 69.4
TLCI: 47
TM-30 Rf: 69.9
TM-30 Rg: 94.9
Beam Angle (50%): 19.5°
Field Angle (10%): 29.2°
Cutoff Angle (3%): 33.4°

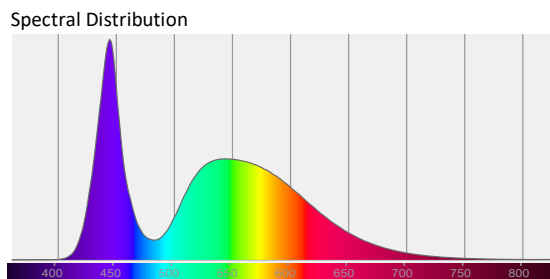
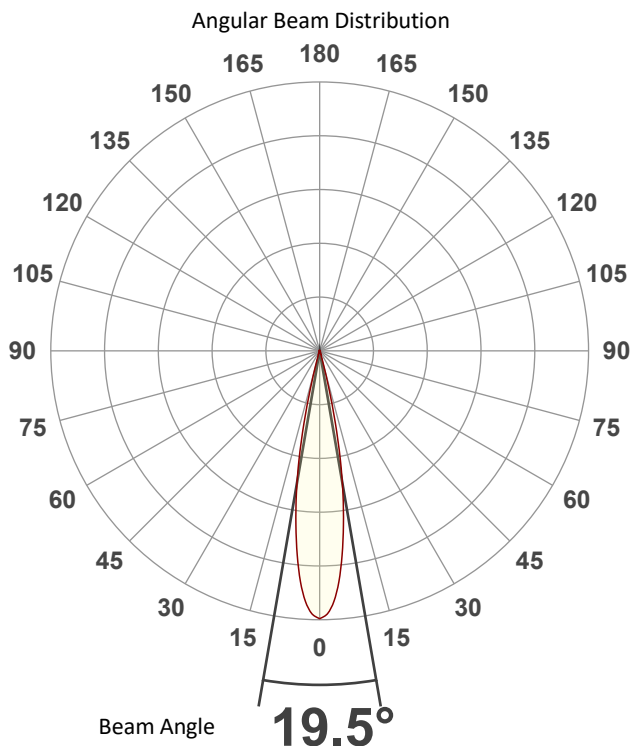


Conditions

AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

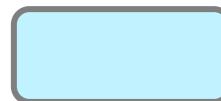
Overall Measurement



Tested Color (CIE 1931):

X: 0.303

Y: 0.319



Light Quality

CRI: 69.3

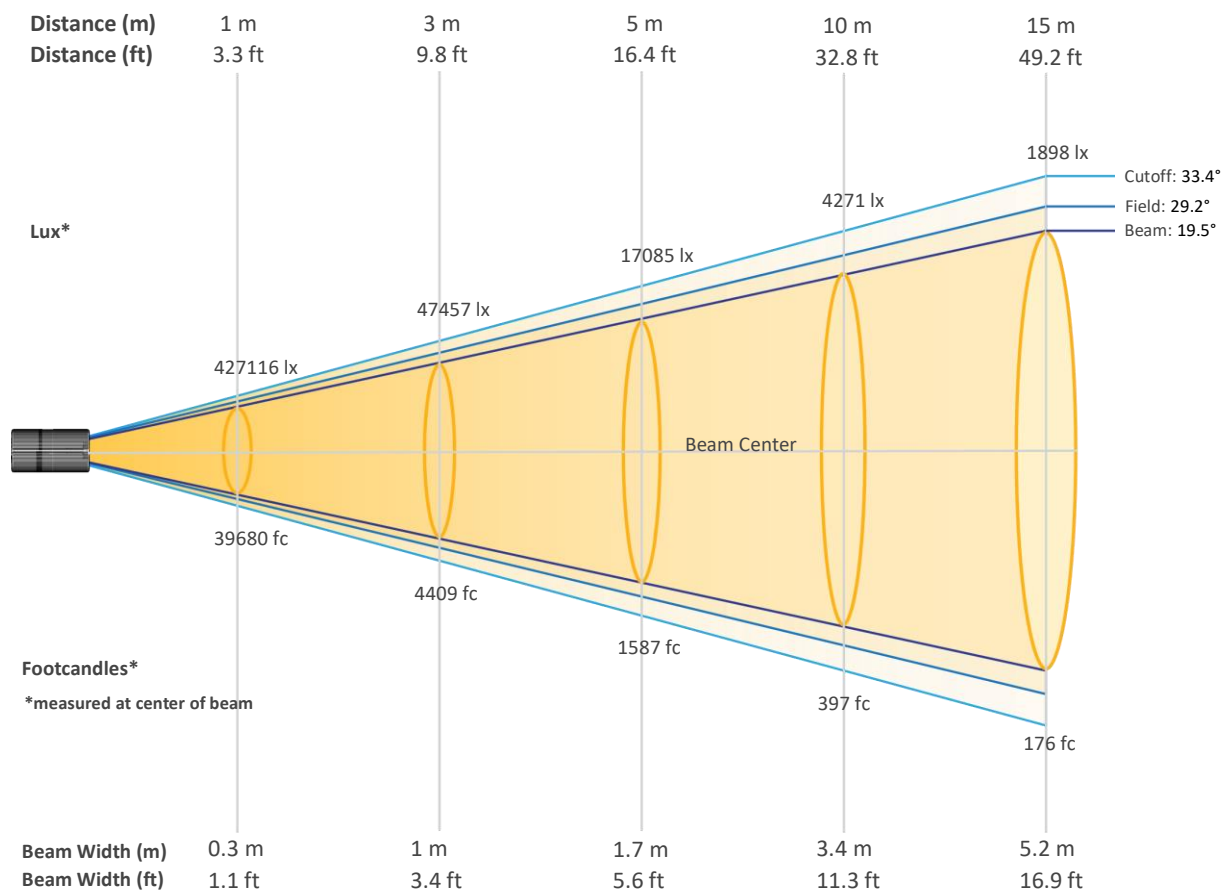
Color Temperature

7203 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25 - Stable

Beam Details

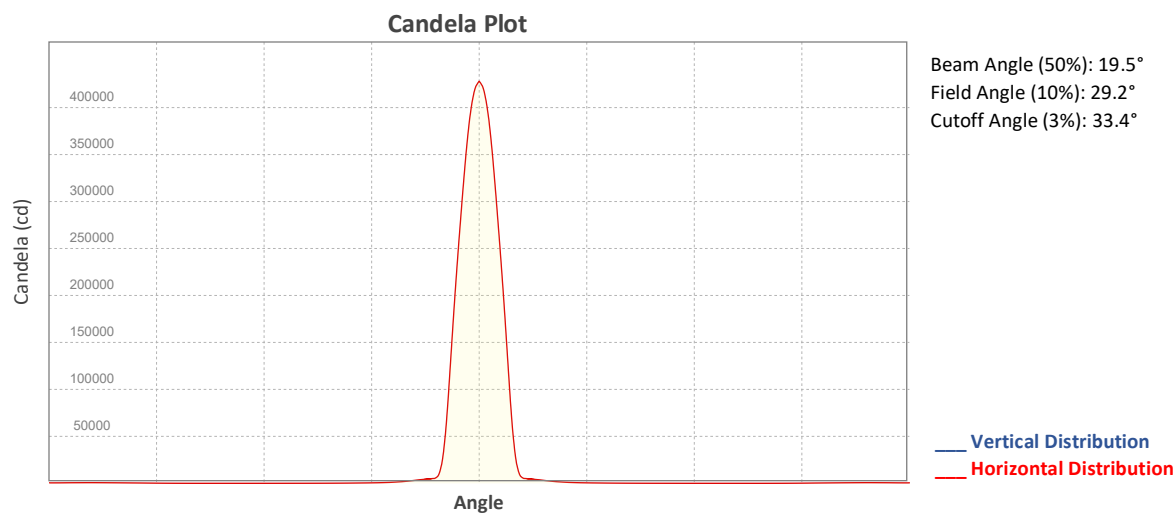


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	427116	106779	47457	26695	17085	11864	8717	6674	5273	4271
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3530	2966	2527	2179	1898	1668	1478	1318	1183	1068
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	39680	9920	4409	2480	1587	1102	810	620	490	397
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	328	276	235	202	176	155	137	122	110	99

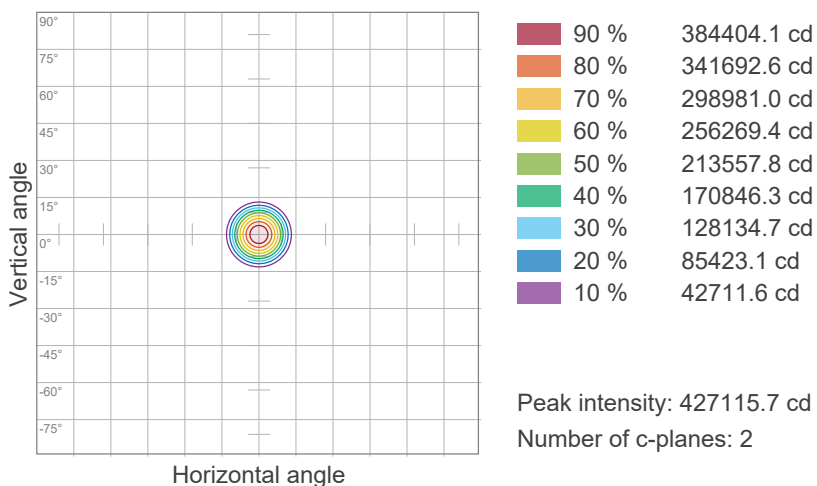
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25 - Stable

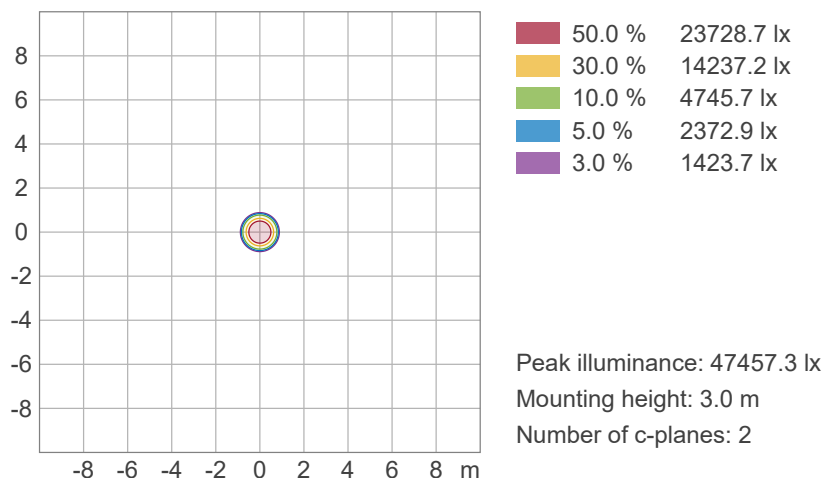


ISO Diagrams

ISO Candela Diagram



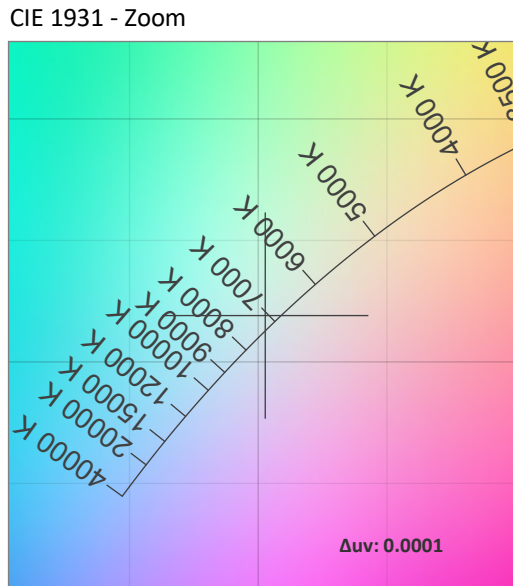
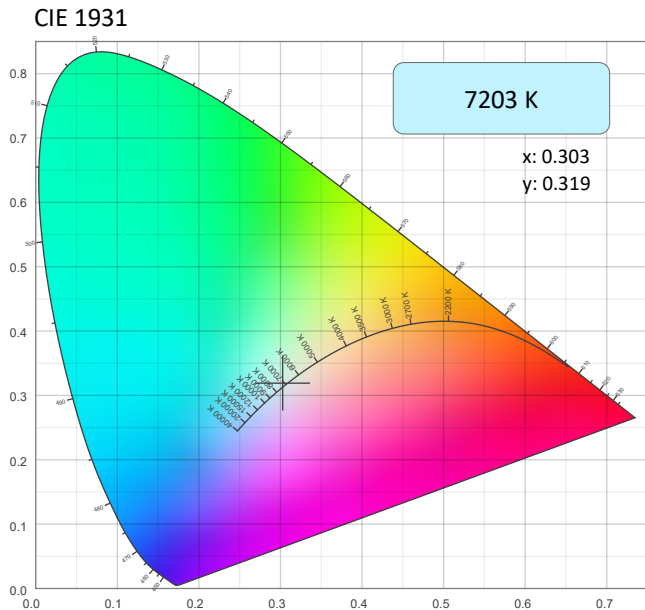
ISO Lux Diagram



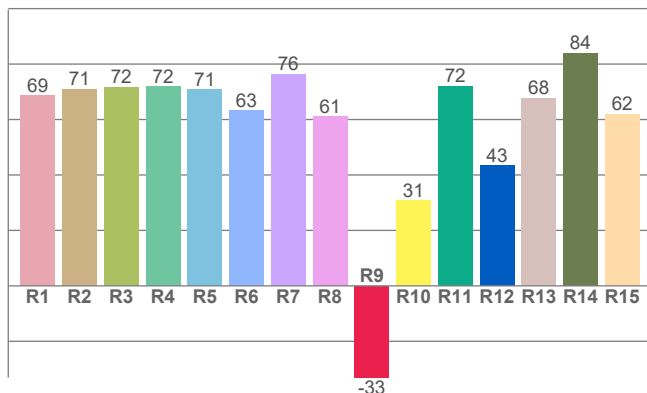
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25 - Stable

Chromaticity



CRI: 69.3 (R1-R8)

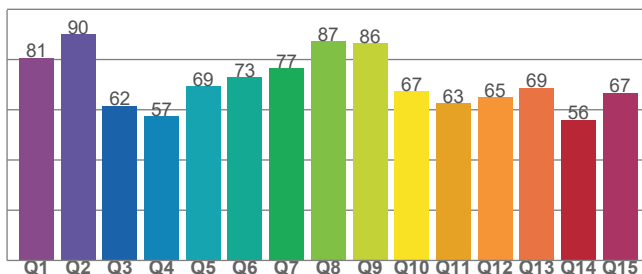


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7203 K	0.303	0.319

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0001	0.319	0.195

CQS: 69.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.3	-33.1	69.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	69.9	94.9

Photometric & Chromaticity Report

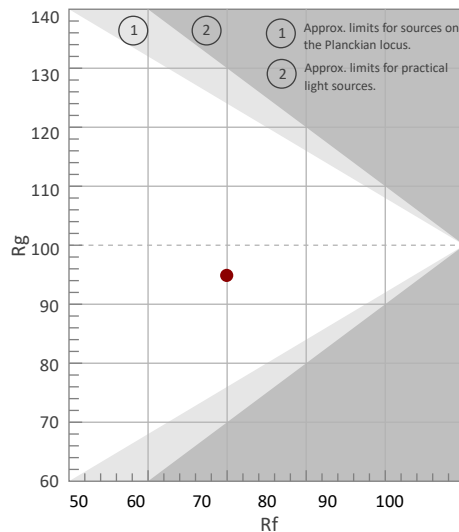
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV25 - Stable

TM-30 Details

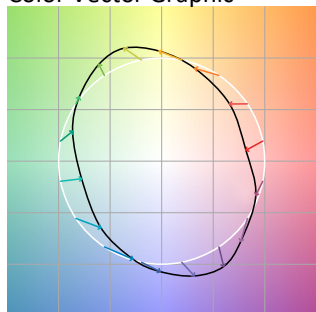
Rf 69.9
Fidelity Index (Rg)

Rg 94.9
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	67	-18%	-6%
2	69	-14%	9%
3	63	-7%	23%
4	62	4%	23%
5	69	15%	14%
6	81	12%	-2%
7	89	1%	-7%
8	75	-10%	-12%
9	76	-21%	2%
10	64	-15%	21%
11	40	-5%	30%
12	66	5%	19%
13	79	15%	9%
14	77	18%	-7%
15	70	7%	-22%
16	75	-4%	-15%



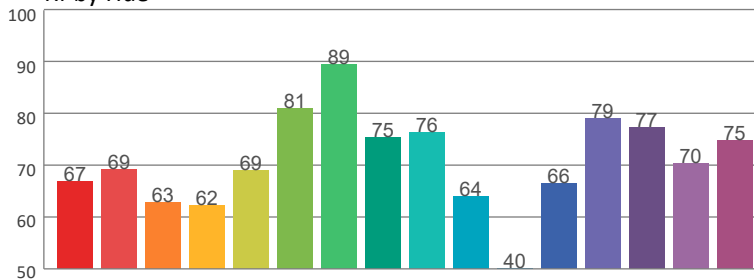
Color Vector Graphic



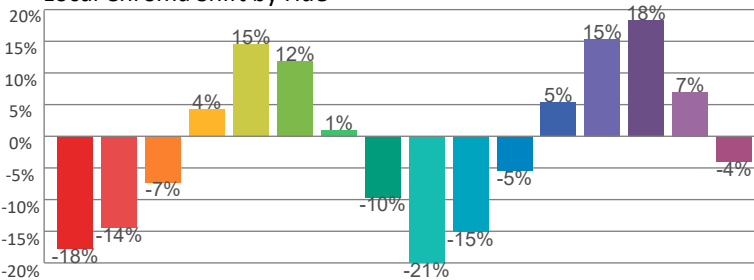
Color Distortion Graphic



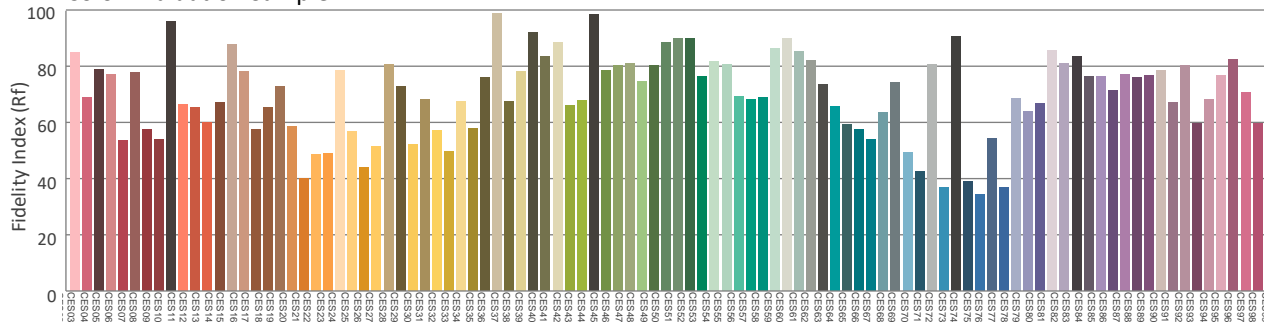
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV35

Report Summary

Measurements

Fixture Output: 36005 lm
Fixture Peak: 308853 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 12354 lux
Color Temperature: 7102 K
CRI: 68.4 CRI R9 Value: -36.9
CQS: 69.2
TLCI: 45
TM-30 Rf: 69.1
TM-30 Rg: 95.0
Beam Angle (50%): 19.8°
Field Angle (10%): 29.4°
Cutoff Angle (3%): 34.4°

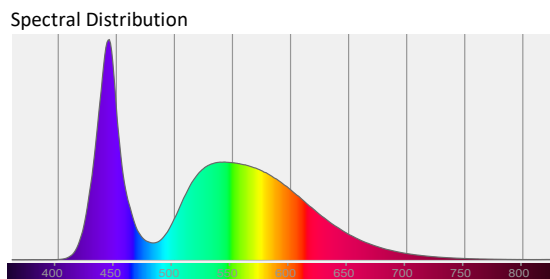
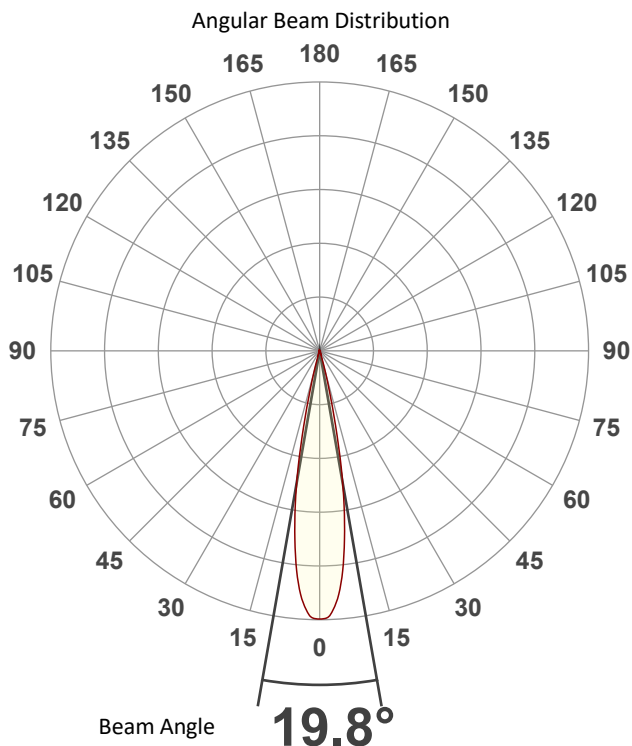


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.304
Y: 0.322

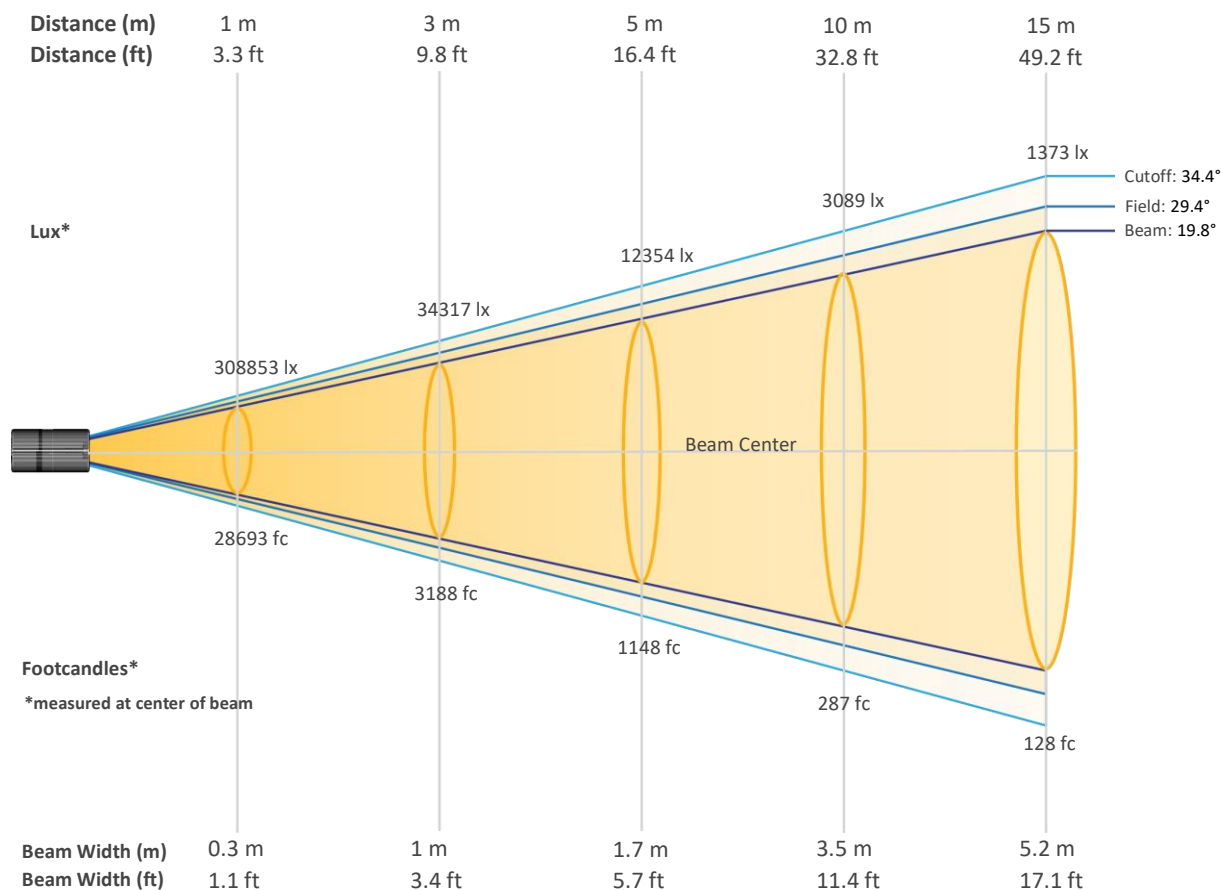
Light Quality
CRI: 68.4

Color Temperature
7102 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV35

Beam Details

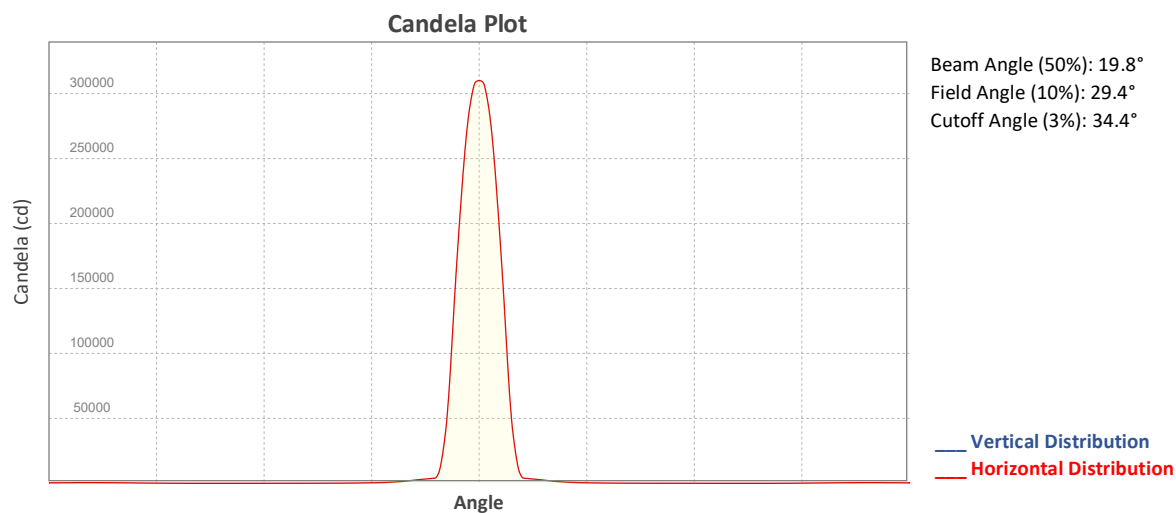


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	308853	77213	34317	19303	12354	8579	6303	4826	3813	3089
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2553	2145	1828	1576	1373	1206	1069	953	856	772
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	28693	7173	3188	1793	1148	797	586	448	354	287
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	237	199	170	146	128	112	99	89	79	72

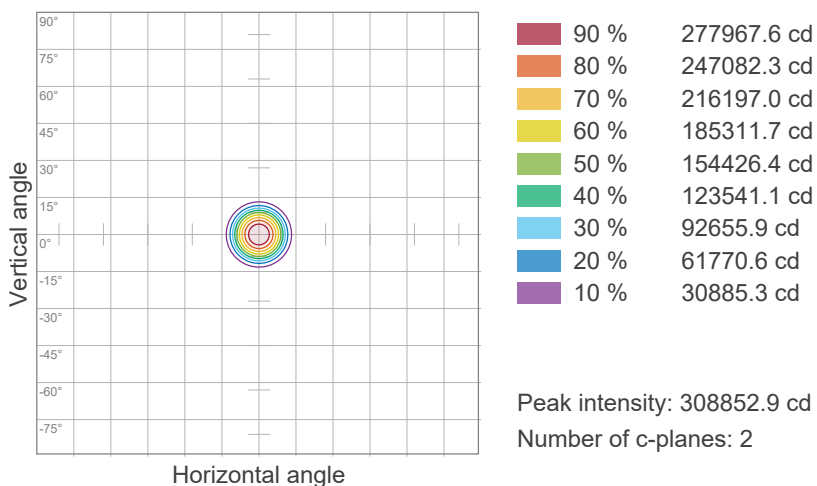
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV35

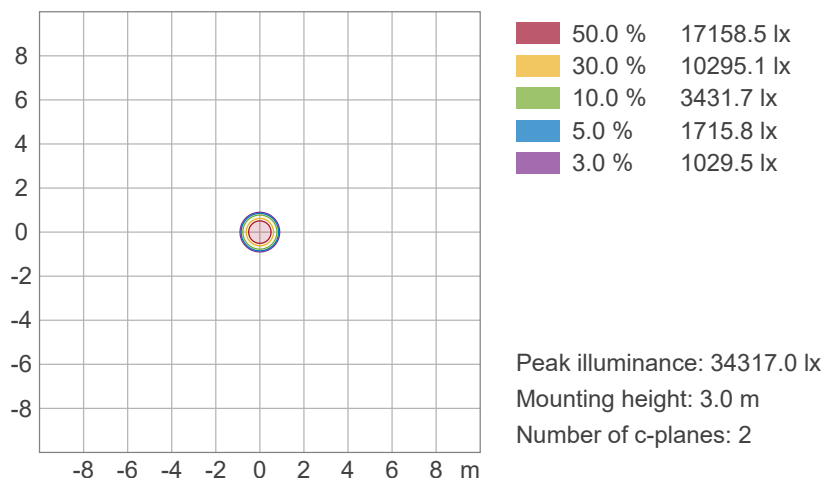


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

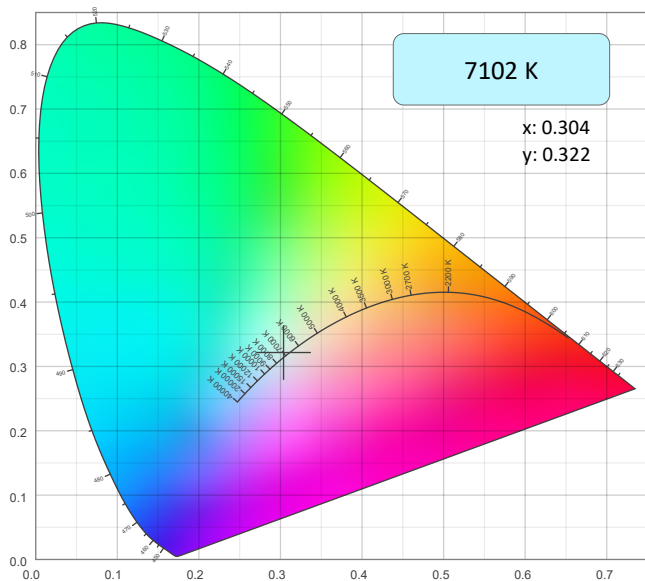


Photometric & Chromaticity Report

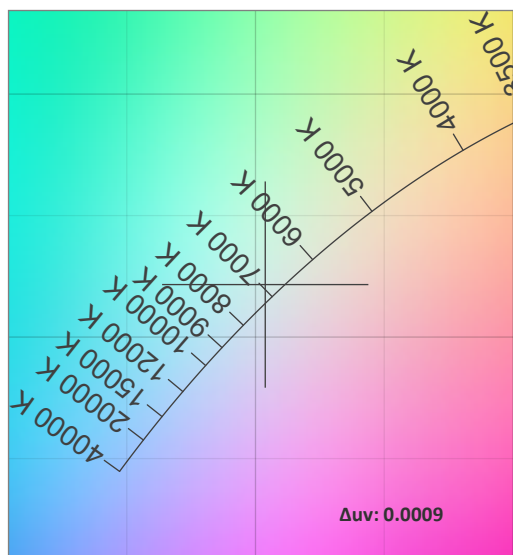
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV35

Chromaticity

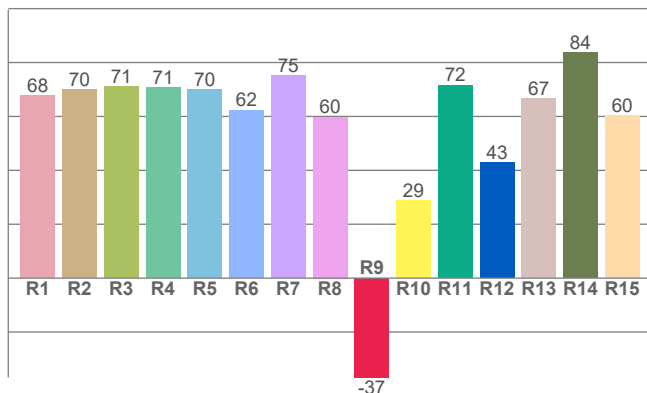
CIE 1931



CIE 1931 - Zoom



CRI: 68.4 (R1-R8)

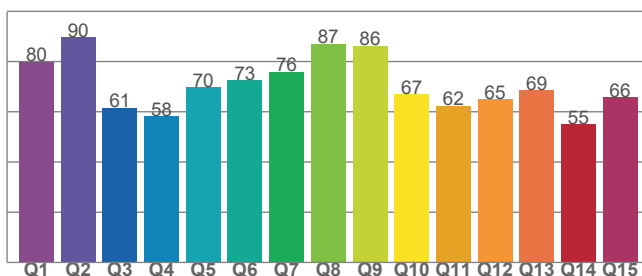


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7102 K	0.304	0.322

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0009	0.322	0.194

CQS: 69.2



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.4	-36.9	69.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
45	69.1	95.0

Photometric & Chromaticity Report

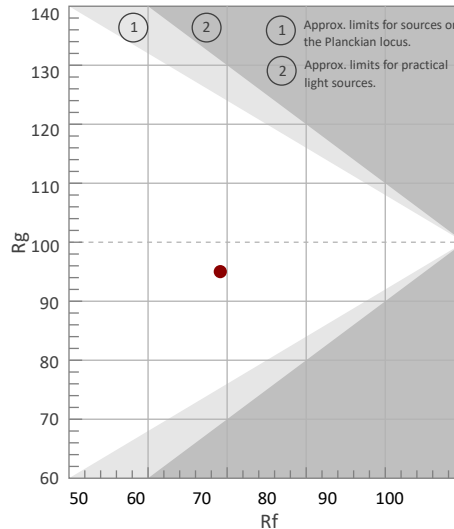
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV35

TM-30 Details

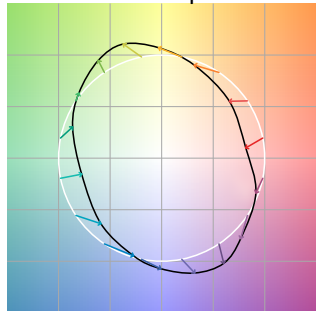
Rf 69.1
Fidelity Index
(Rg)

Rg 95.0
Gammut Index (Rg)

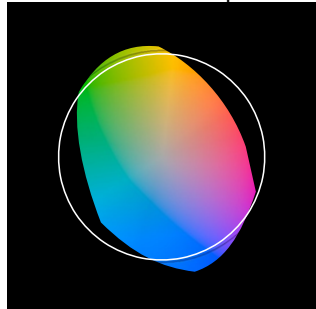
Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	66	-18%	-6%
2	69	-15%	9%
3	62	-7%	24%
4	61	4%	24%
5	67	16%	15%
6	80	13%	-1%
7	89	2%	-8%
8	74	-9%	-13%
9	76	-21%	0%
10	64	-16%	20%
11	39	-6%	30%
12	65	5%	20%
13	79	16%	10%
14	77	18%	-7%
15	70	7%	-22%
16	74	-4%	-15%



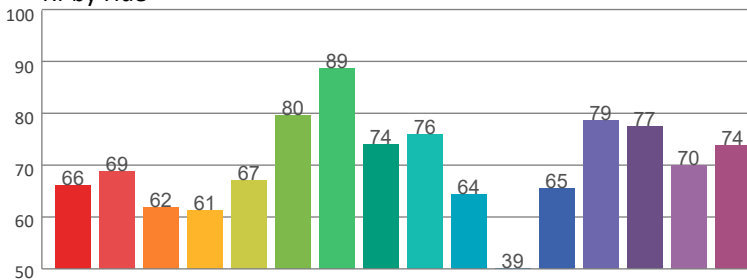
Color Vector Graphic



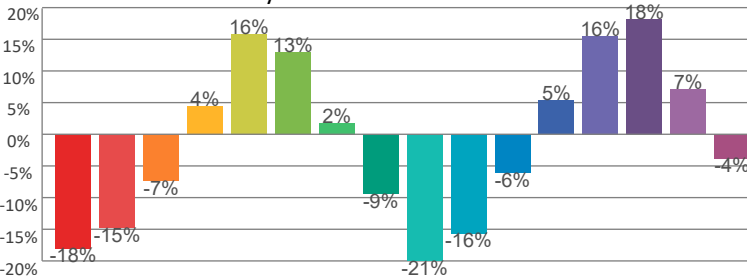
Color Distortion Graphic



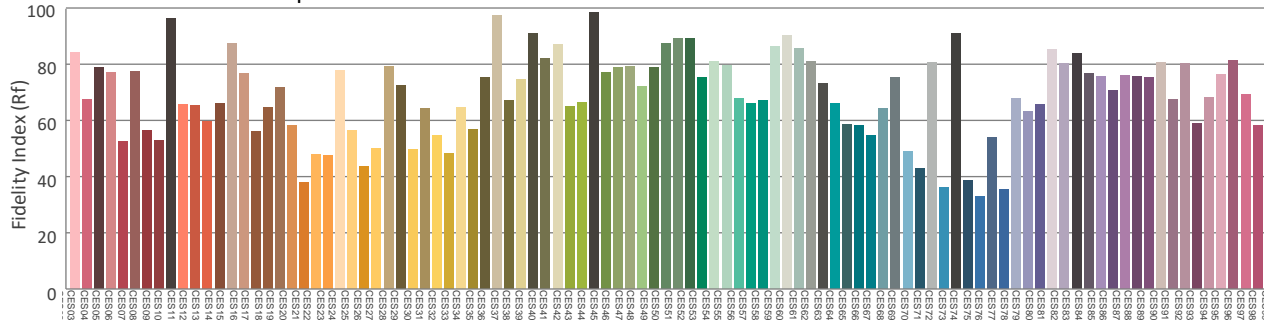
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV35 - Stable

Report Summary

Measurements

Fixture Output: 35019 lm
Fixture Peak: 313526 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 12541 lux
Color Temperature: 7134 K
CRI: 68.6 CRI R9 Value: -35.9
CQS: 69.2
TLCI: 46
TM-30 Rf: 69.4
TM-30 Rg: 95.0
Beam Angle (50%): 19.1°
Field Angle (10%): 28.9°
Cutoff Angle (3%): 34.3°

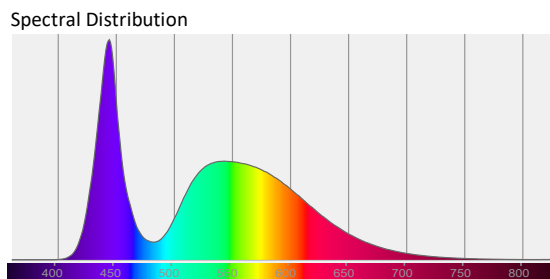
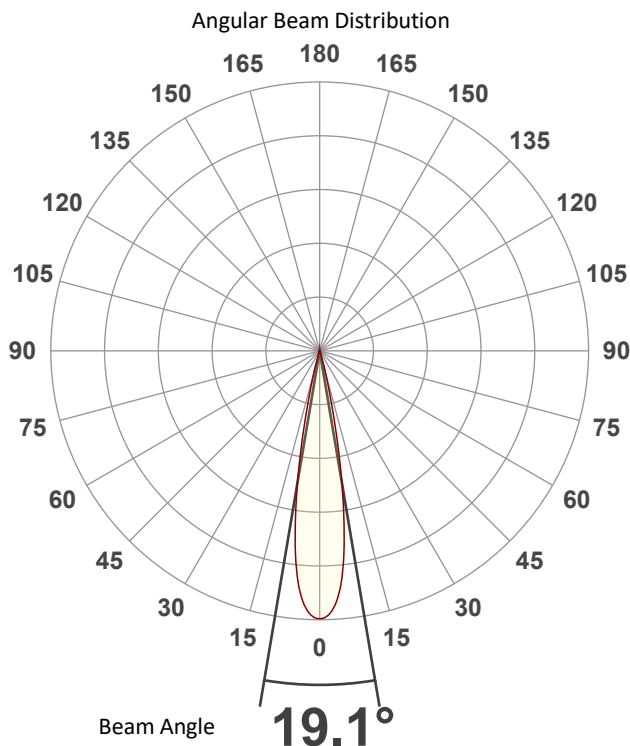


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.303
Y: 0.321

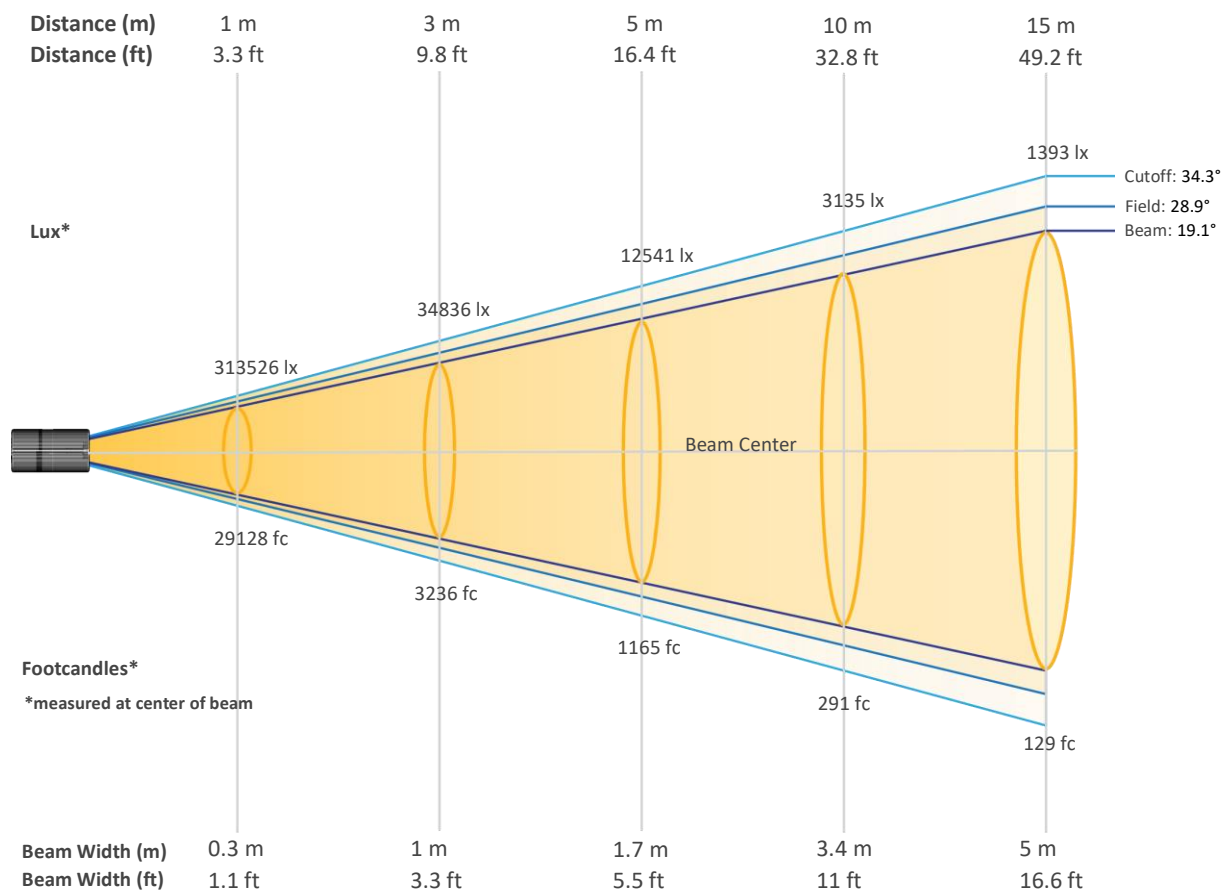
Light Quality
CRI: 68.6

Color Temperature
7134 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV35 - Stable

Beam Details

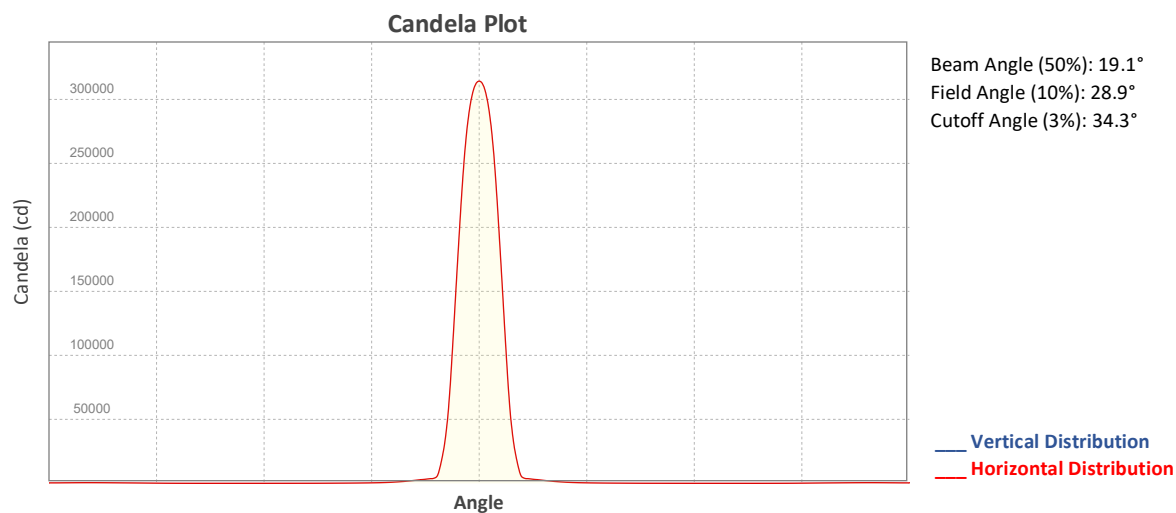


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	313526	78382	34836	19595	12541	8709	6398	4899	3871	3135
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2591	2177	1855	1600	1393	1225	1085	968	868	784
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	29128	7282	3236	1820	1165	809	594	455	360	291
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	241	202	172	149	129	114	101	90	81	73

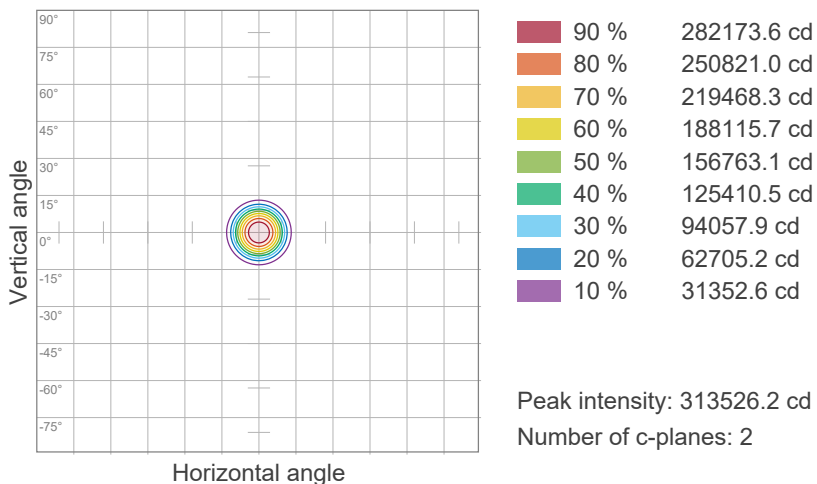
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV35 - Stable

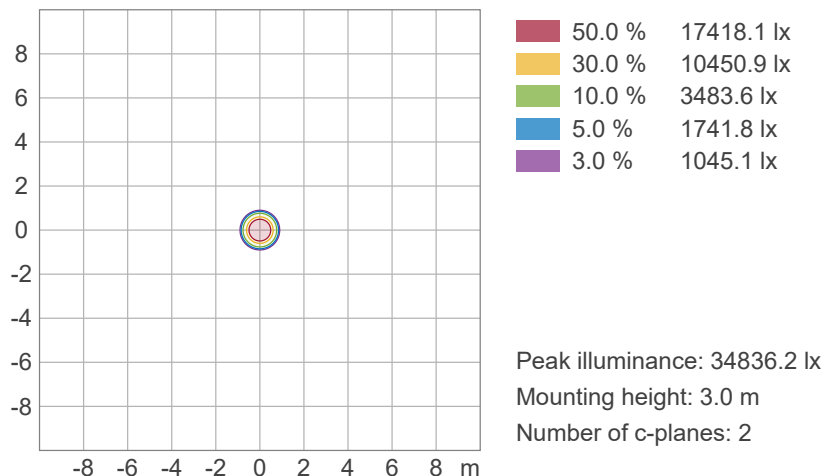


ISO Diagrams

ISO Candela Diagram



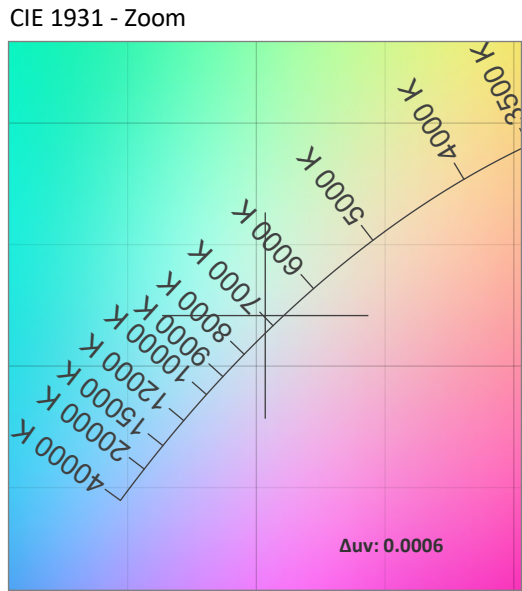
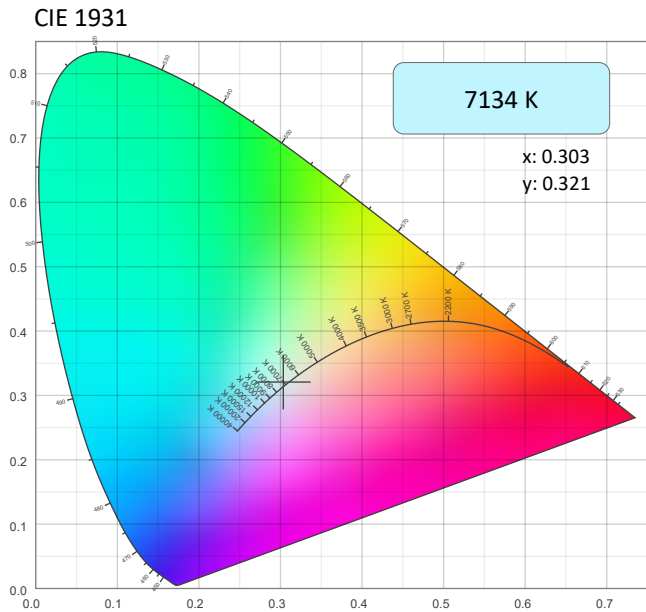
ISO Lux Diagram



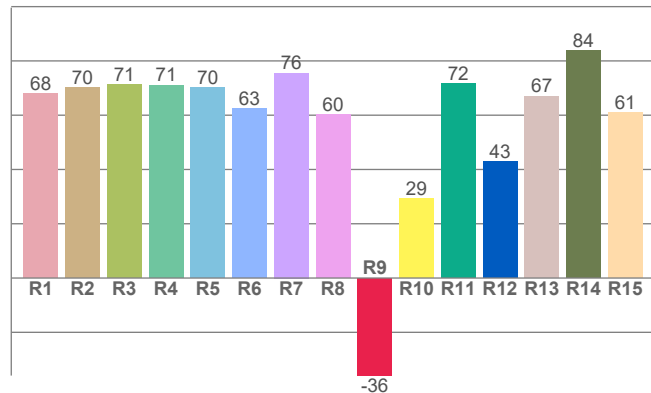
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - Full Power - TV35 - Stable

Chromaticity



CRI: 68.6 (R1-R8)

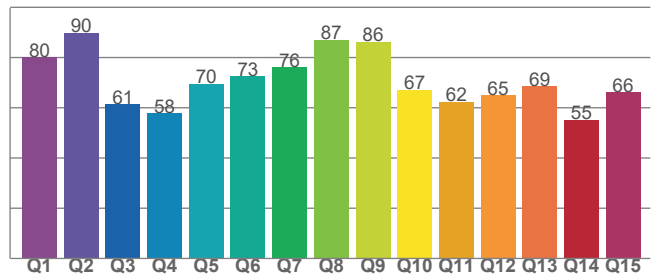


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7134 K	0.303	0.321

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0006	0.321	0.194

CQS: 69.2



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.6	-35.9	69.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
46	69.4	95.0



Photometric & Chromaticity Report

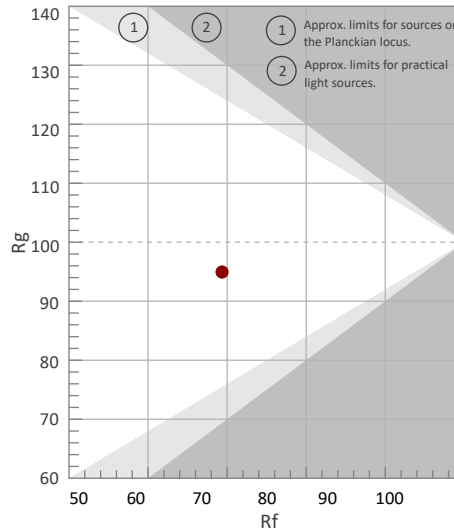
Maverick Storm 4 Solo Wash: 50% Zoom - Full Power- TV35 - Stable

TM-30 Details

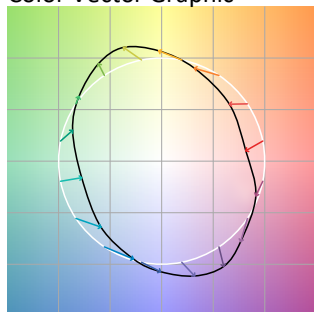
Rf 69.4
Fidelity Index (Rg)

Rg 95.0
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	66	-18%	-6%
2	69	-15%	9%
3	62	-7%	24%
4	62	4%	24%
5	68	15%	15%
6	80	13%	-1%
7	89	2%	-8%
8	74	-10%	-12%
9	76	-21%	1%
10	64	-16%	20%
11	40	-6%	30%
12	66	5%	20%
13	79	15%	10%
14	77	18%	-7%
15	70	7%	-22%
16	74	-4%	-15%



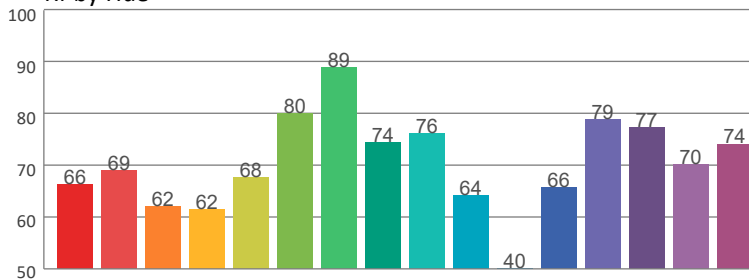
Color Vector Graphic



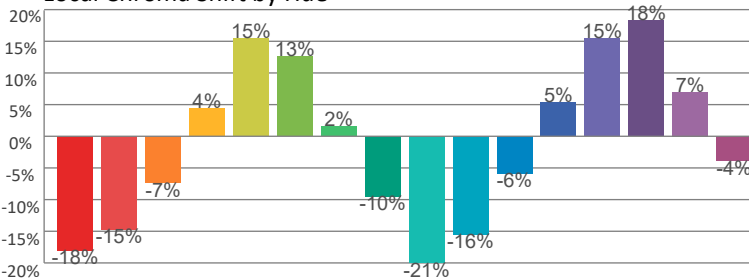
Color Distortion Graphic



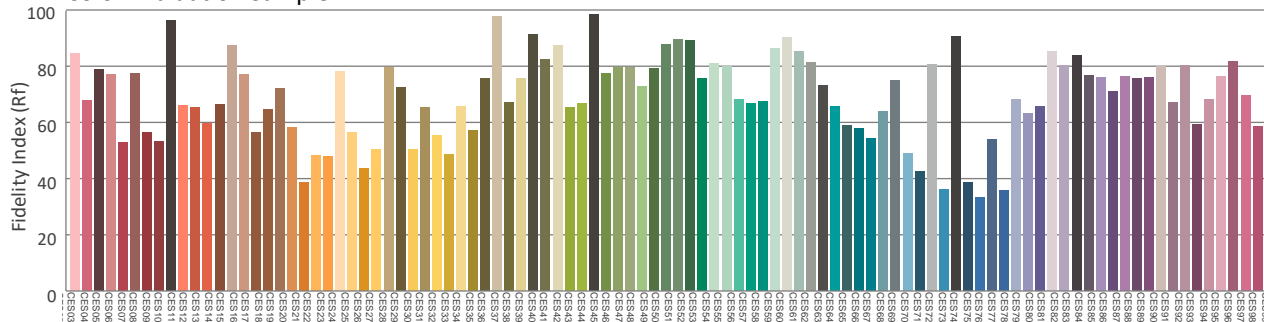
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Cyan Filter - Full Power

Report Summary

Measurements

Fixture Output: 11371 lm
Fixture Peak: 95325 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 3813 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%): 19.9°
Field Angle (10%): 29.5°
Cutoff Angle (3%): 35.5°

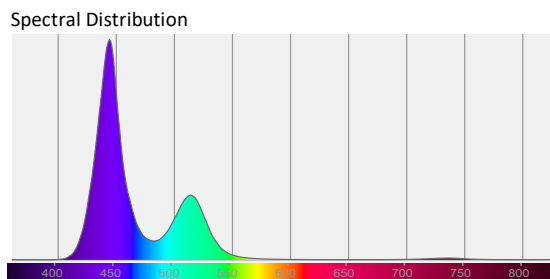
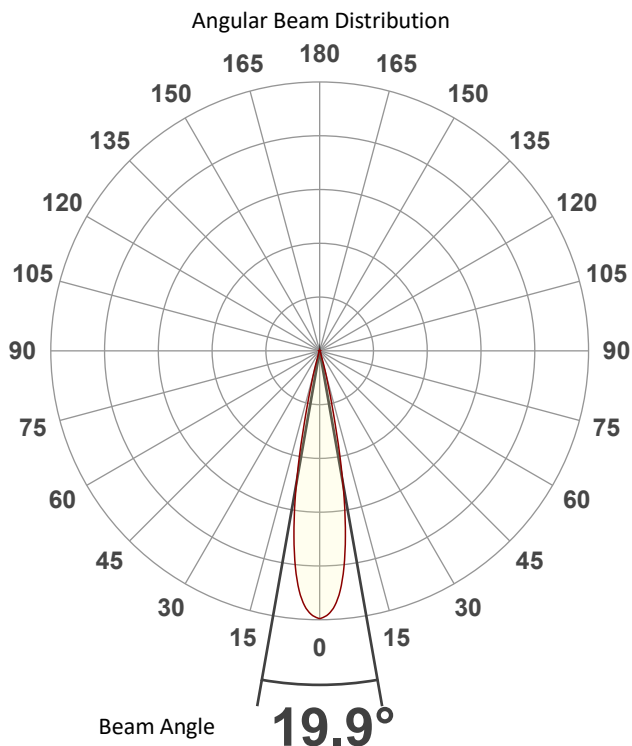


Conditions

AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

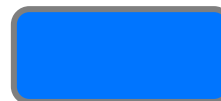
Overall Measurement



Tested Color (CIE 1931):

X: 0.150

Y: 0.118



Light Quality

CRI: 0.0

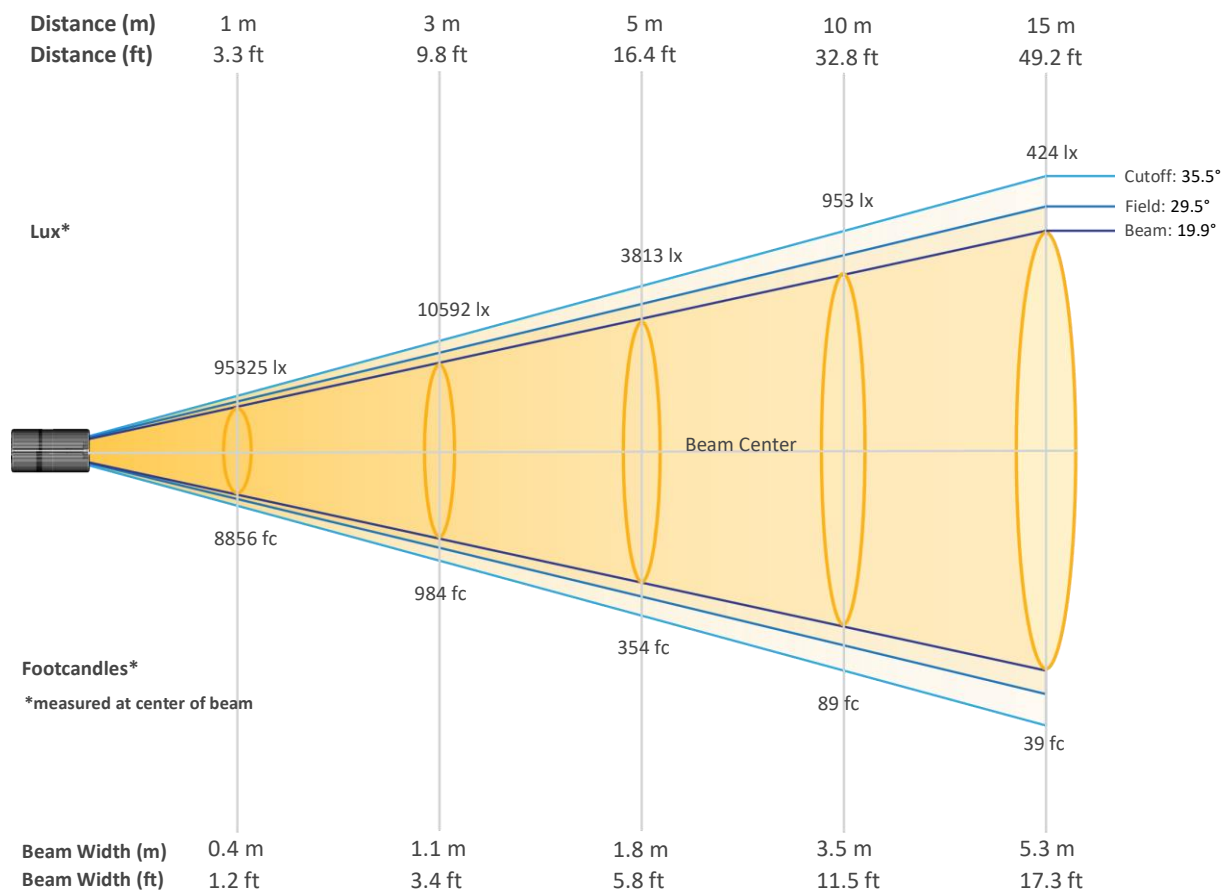
Color Temperature

0 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Cyan Filter - Full Power

Beam Details

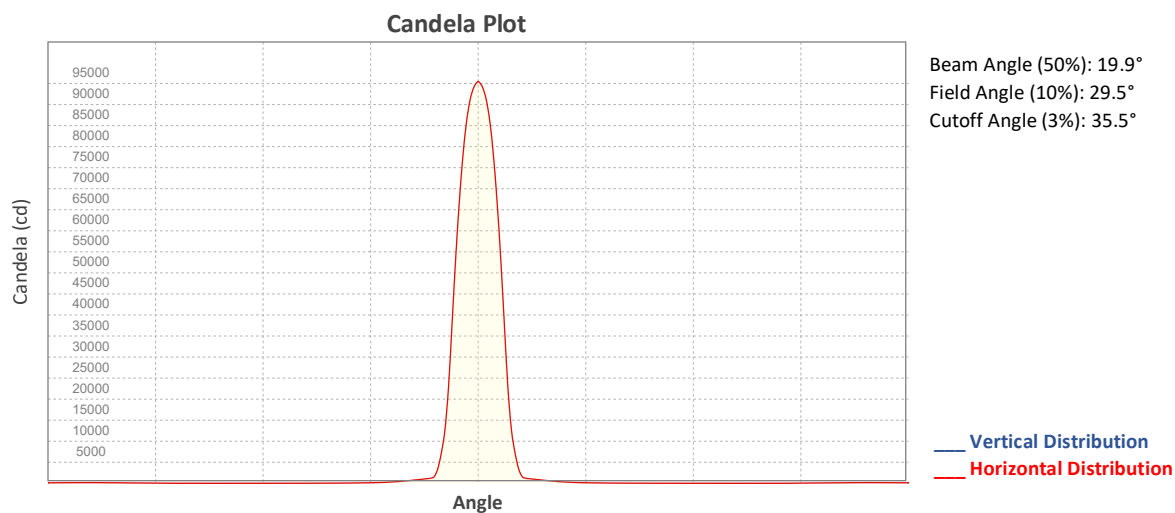


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	95325	23831	10592	5958	3813	2648	1945	1489	1177	953
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	788	662	564	486	424	372	330	294	264	238
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	8856	2214	984	554	354	246	181	138	109	89
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	73	62	52	45	39	35	31	27	25	22

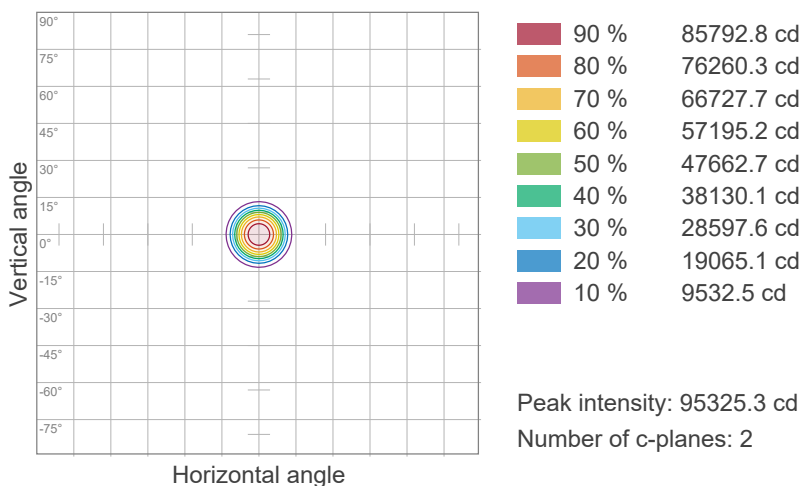
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Cyan Filter - Full Power

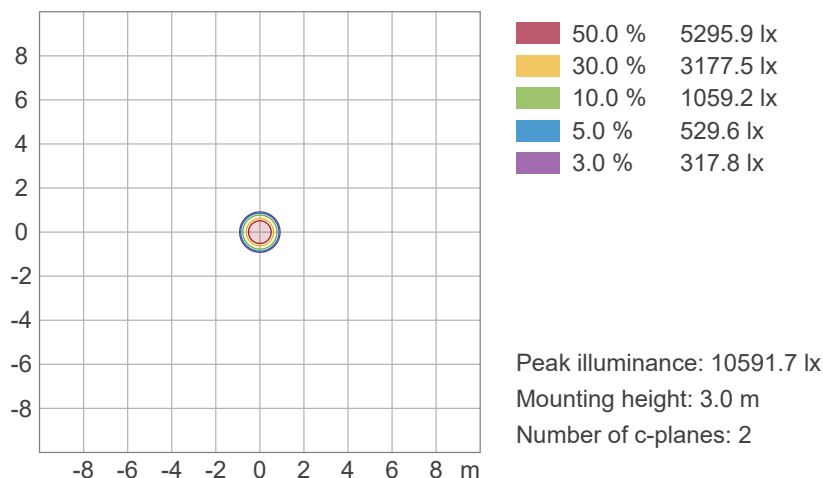


ISO Diagrams

ISO Candela Diagram



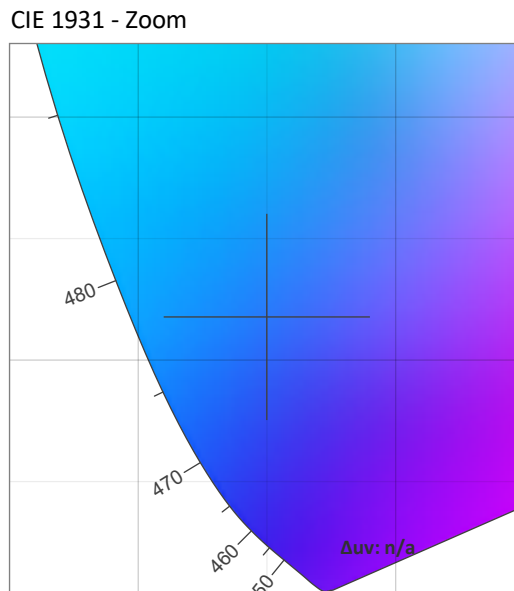
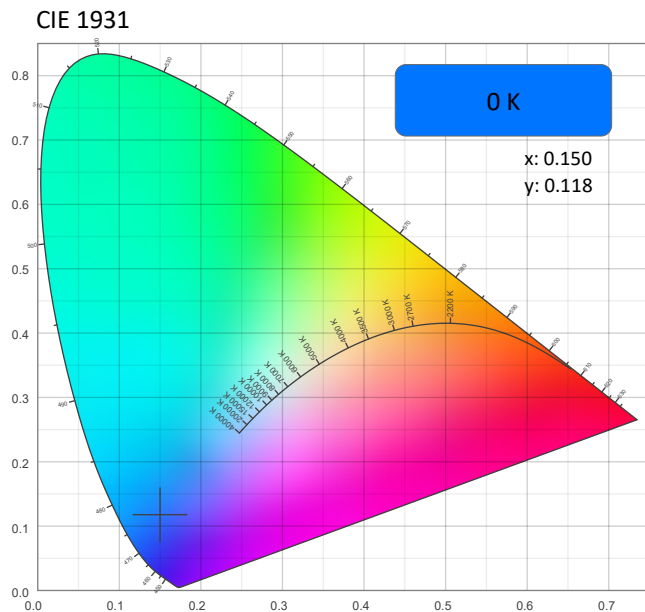
ISO Lux Diagram



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Cyan Filter - Full Power

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	0.150	0.118

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.118	0.146

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

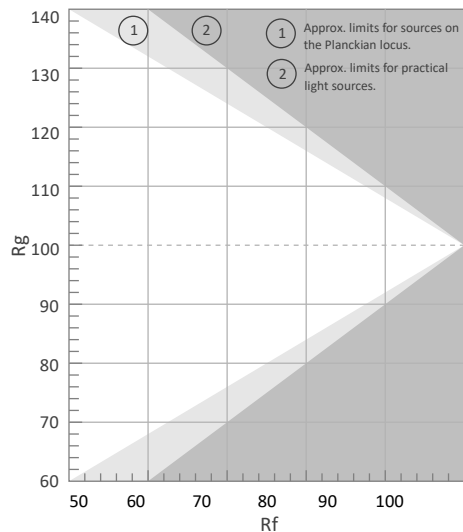
Maverick Storm 4 Solo Wash: 50% Zoom with Cyan Filter - Full Power

TM-30 Details

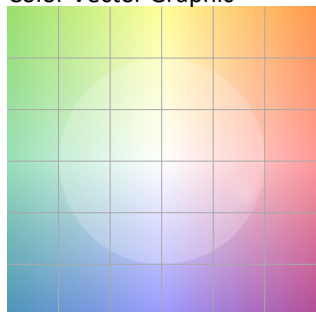
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

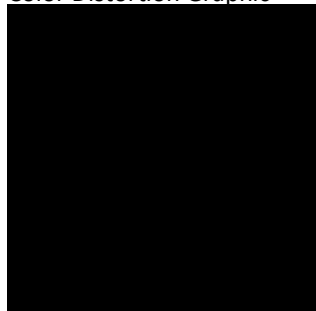
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



Color Distortion Graphic



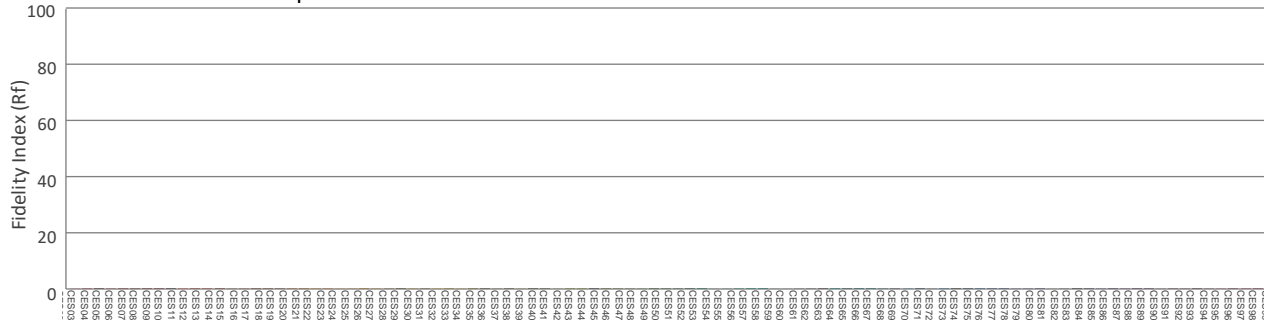
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Magenta Filter - Full Power

Report Summary

Measurements

Fixture Output: 4535 lm
Fixture Peak: 40308 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 1612 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%): 19.2°
Field Angle (10%): 27.5°
Cutoff Angle (3%): 33.4°

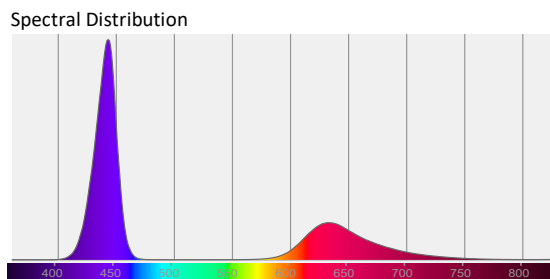
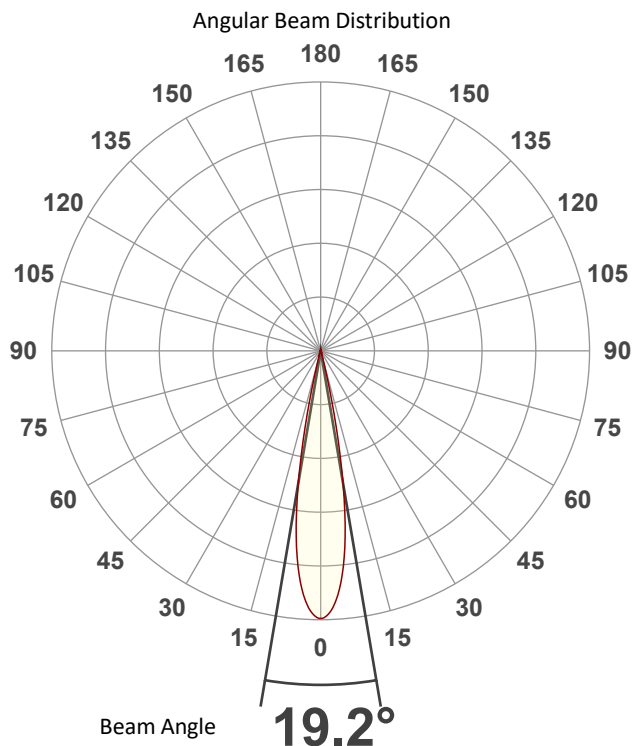


Conditions

AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.240

Y: 0.059



Light Quality

CRI: 0.0

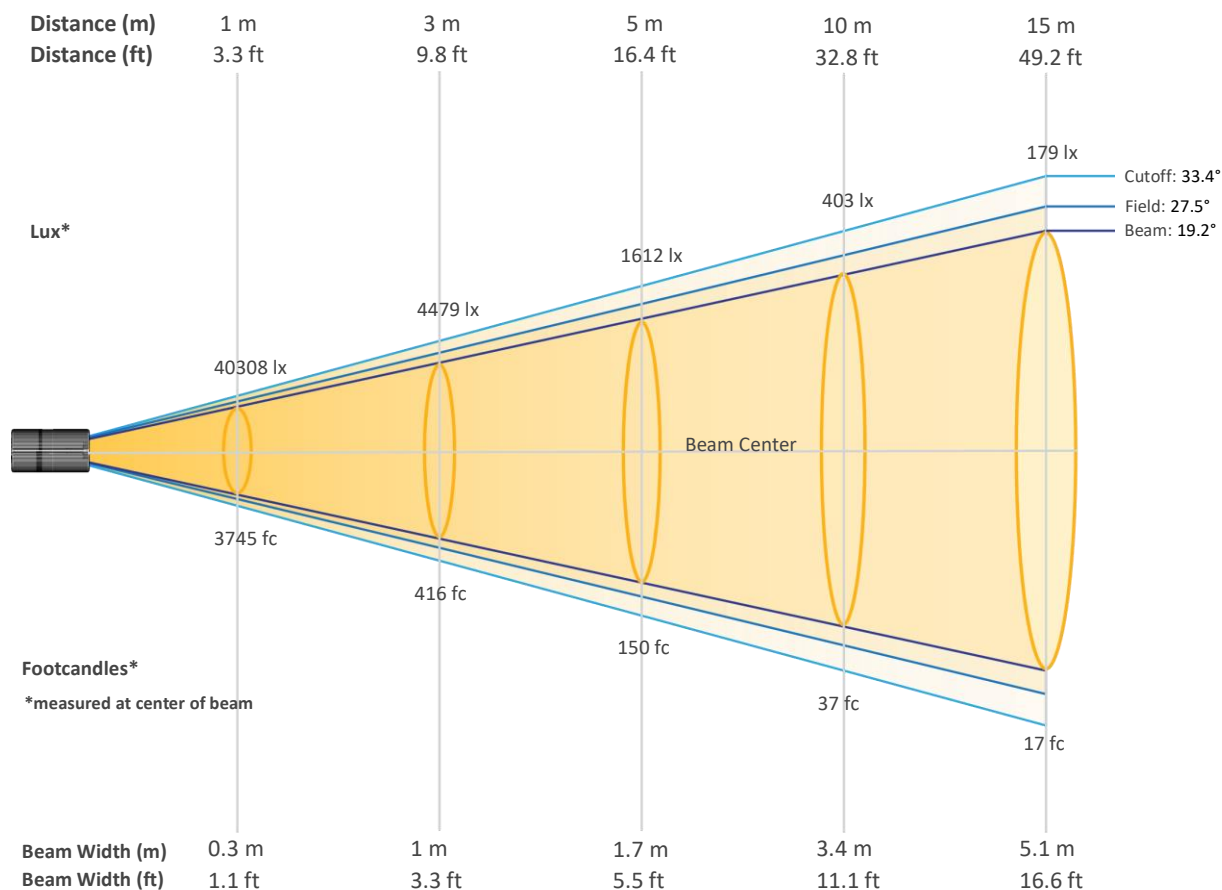
Color Temperature

0 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Magenta Filter - Full Power

Beam Details

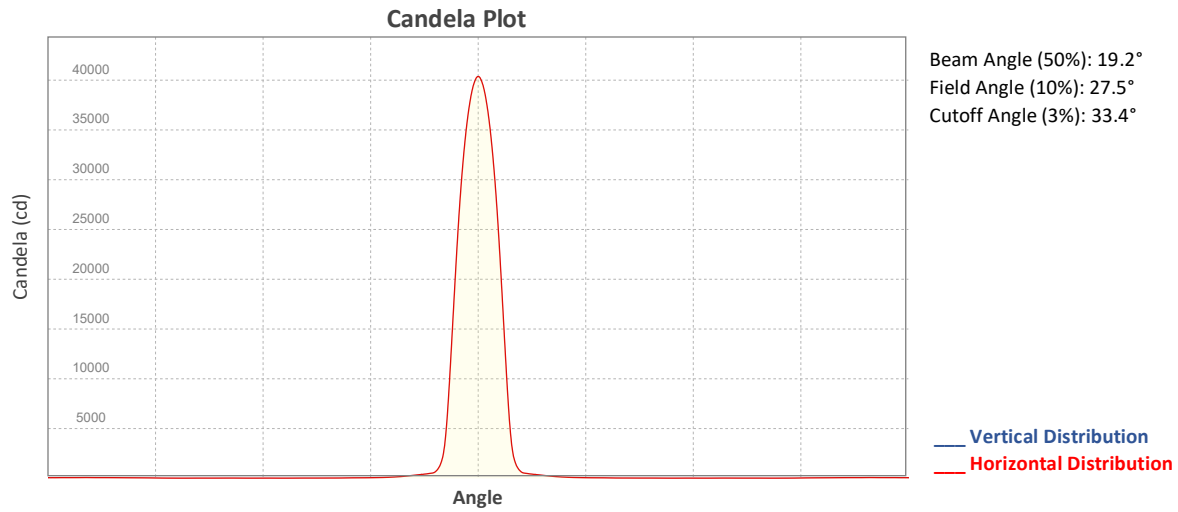


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	40308	10077	4479	2519	1612	1120	823	630	498	403
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	333	280	239	206	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	3745	936	416	234	150	104	76	59	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

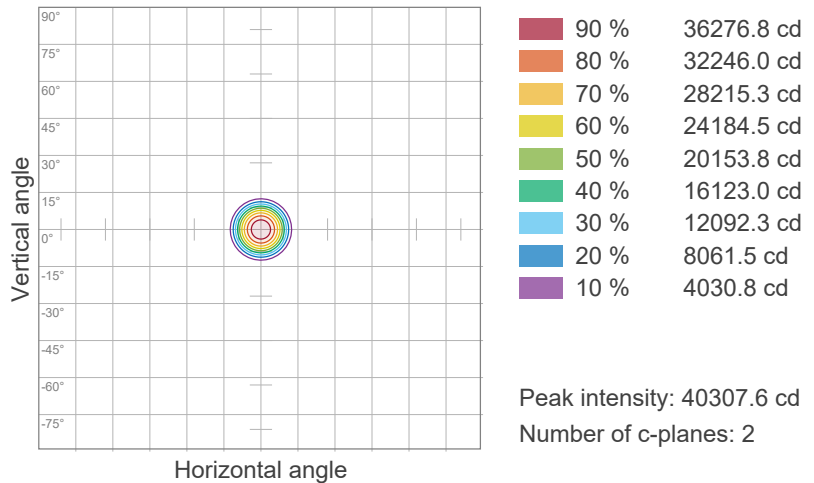
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Magenta Filter - Full Power

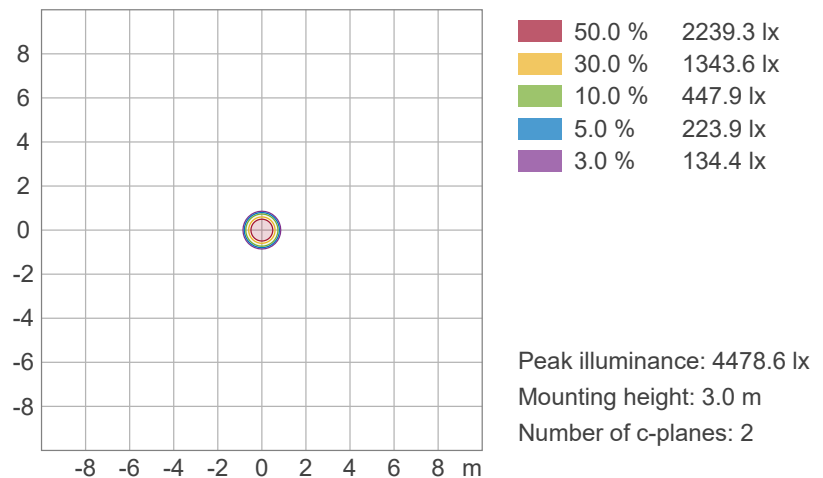


ISO Diagrams

ISO Candela Diagram



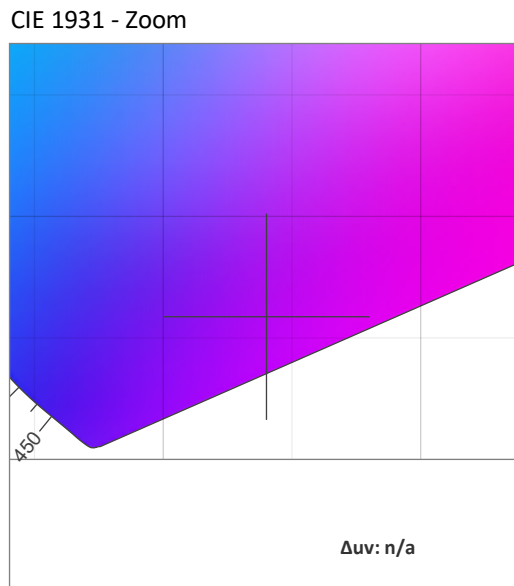
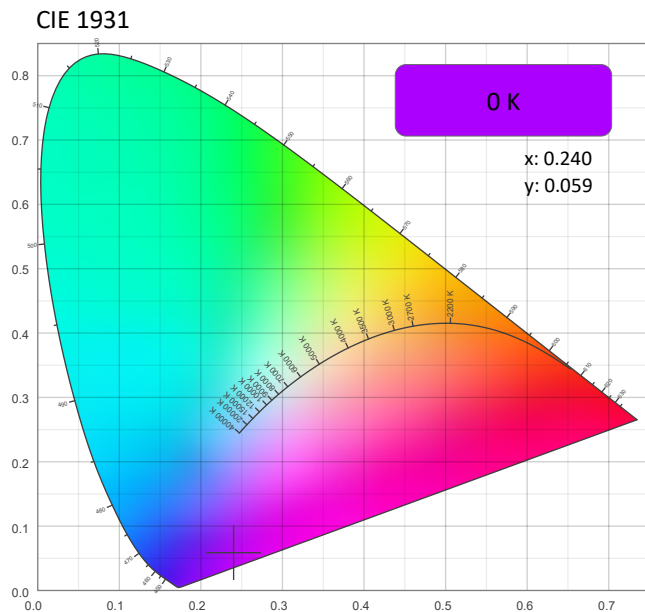
ISO Lux Diagram



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Magenta Filter - Full Power

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	0.240	0.059

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.059	0.298

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

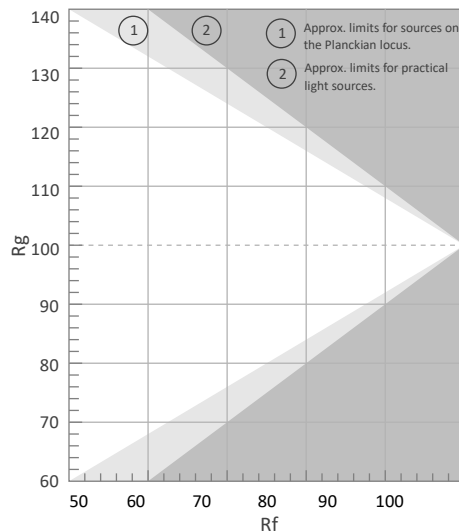
Maverick Storm 4 Solo Wash: 50% Zoom with Magenta Filter - Full Power

TM-30 Details

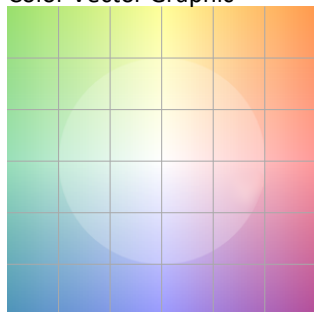
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

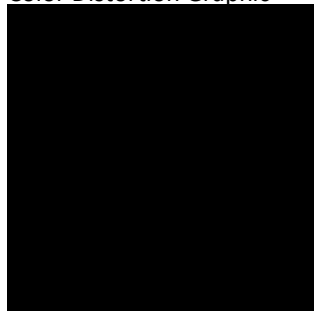
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



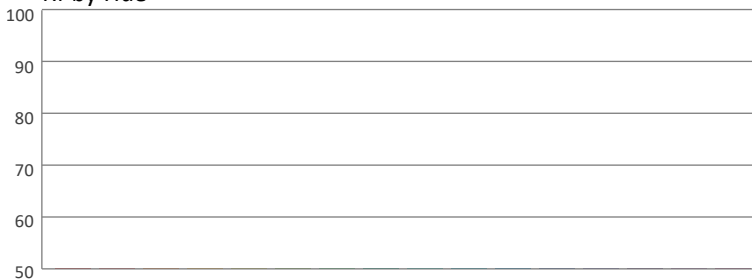
Color Vector Graphic



Color Distortion Graphic



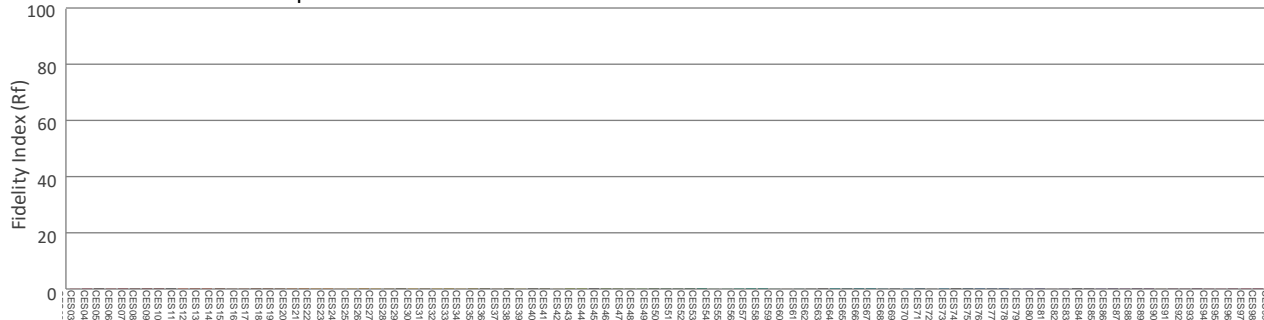
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Yellow Filter - Full Power

Report Summary

Measurements

Fixture Output: 50876 lm
Fixture Peak: 461466 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 18459 lux
Color Temperature: 3478 K
CRI: 27.9 CRI R9 Value: -116.6
CQS: 0.4
TLCI: 2
TM-30 Rf: 0.0
TM-30 Rg: n/a
Beam Angle (50%): 18.9°
Field Angle (10%): 28.9°
Cutoff Angle (3%): 35.1°

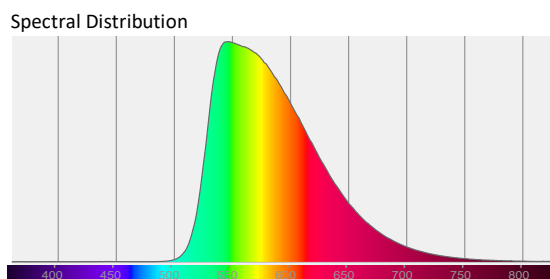
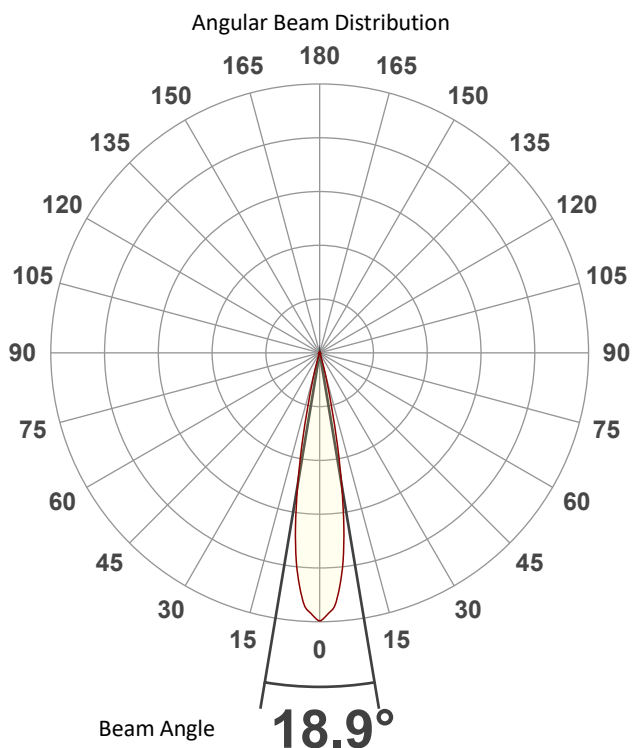


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.460

Y: 0.532



Light Quality

CRI: 27.9

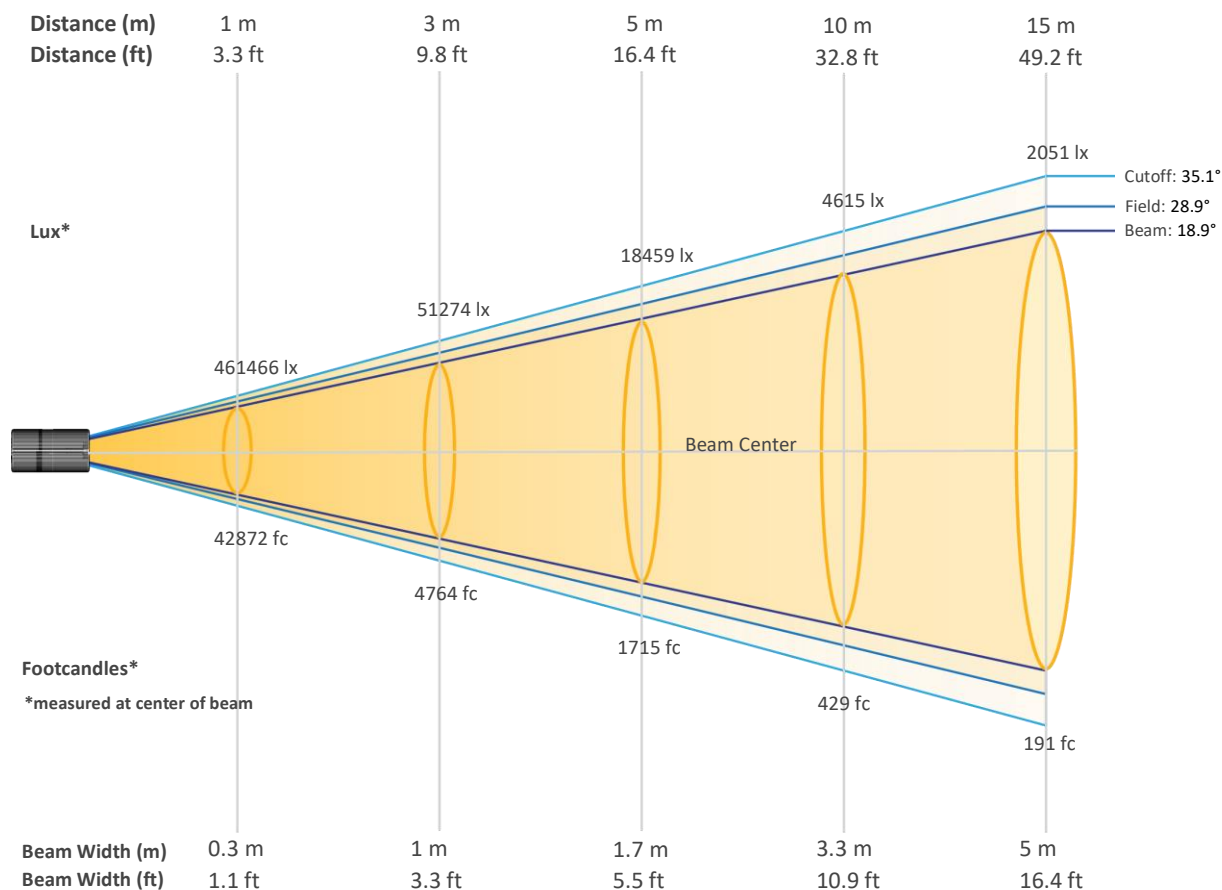
Color Temperature

3478 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Yellow Filter - Full Power

Beam Details

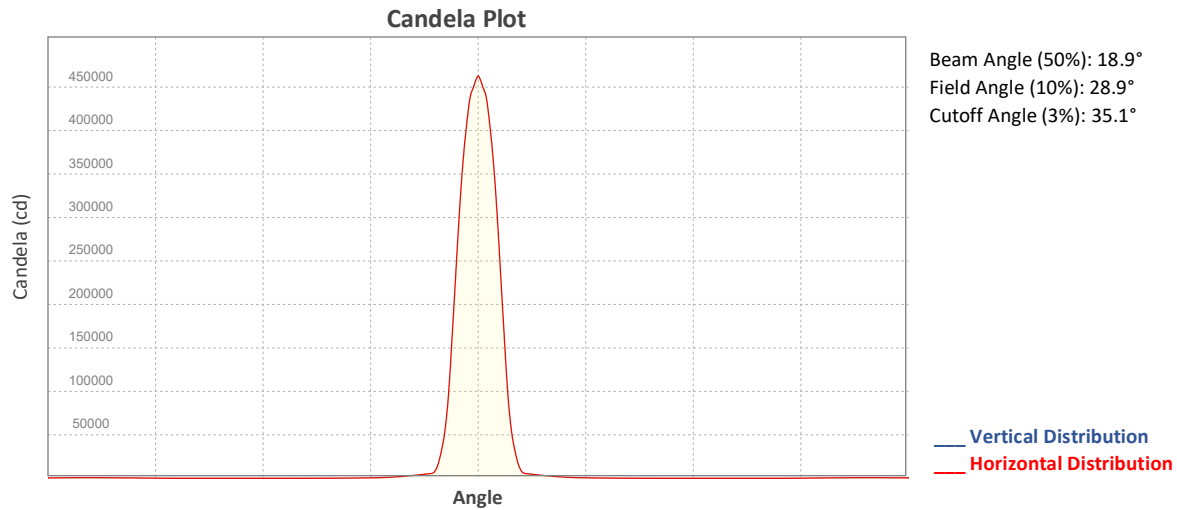


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	461466	115366	51274	28842	18459	12818	9418	7210	5697	4615
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3814	3205	2731	2354	2051	1803	1597	1424	1278	1154
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	42872	10718	4764	2679	1715	1191	875	670	529	429
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	354	298	254	219	191	167	148	132	119	107

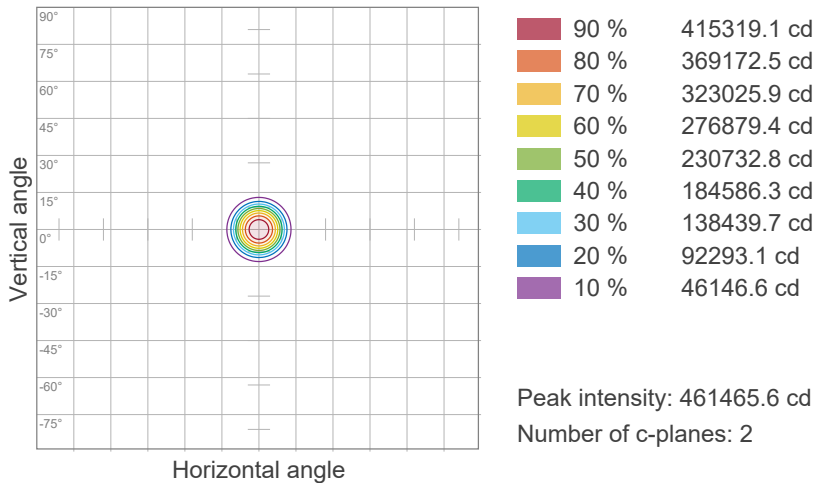
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Yellow Filter - Full Power

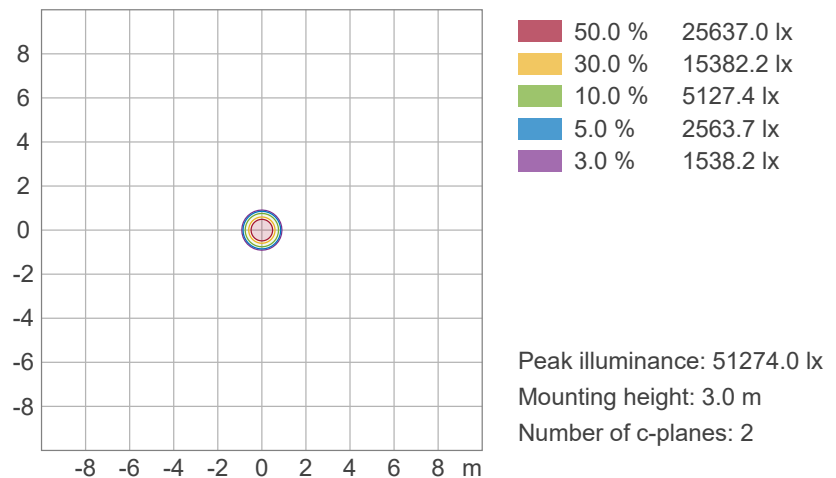


ISO Diagrams

ISO Candela Diagram



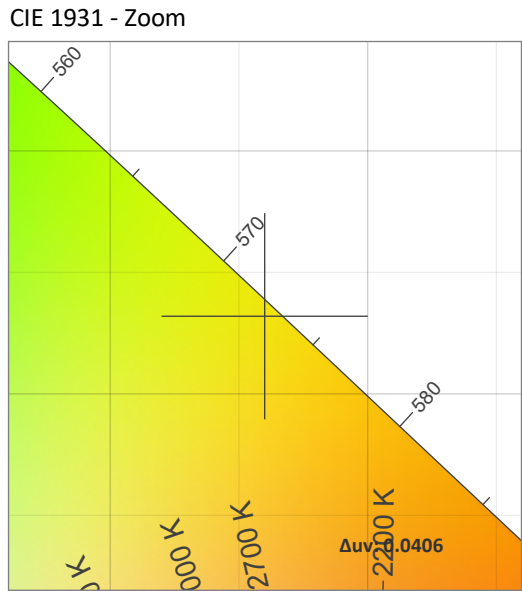
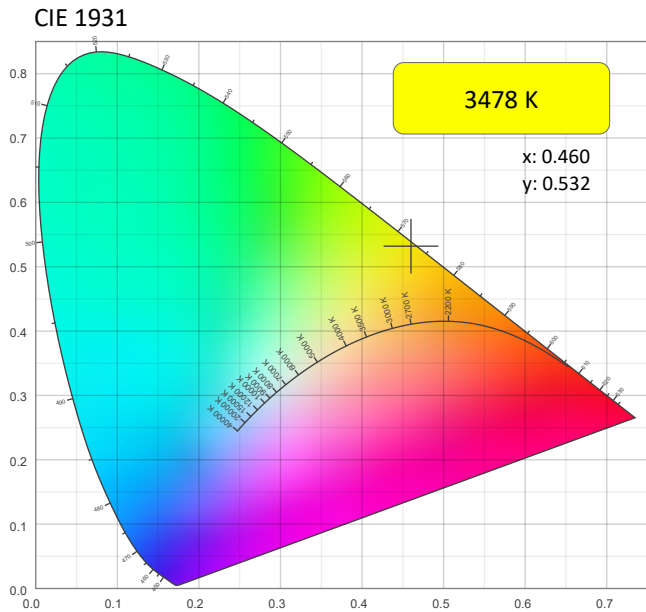
ISO Lux Diagram



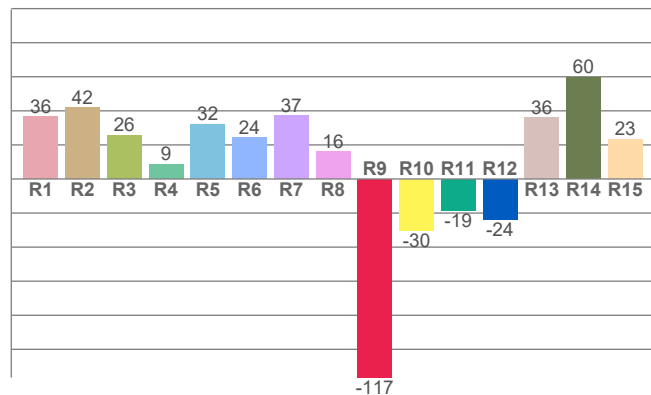
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with Yellow Filter - Full Power

Chromaticity



CRI: 27.9 (R1-R8)

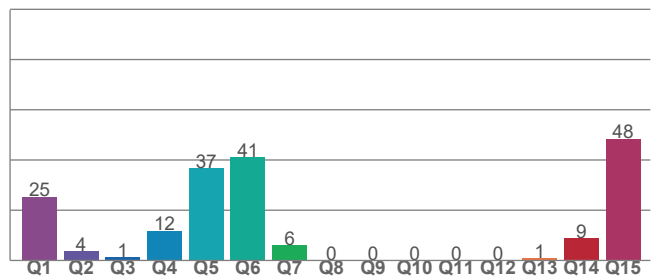


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3478 K	0.460	0.532

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0406	0.532	0.217

CQS: 0.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
27.9	-116.6	0.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
2	0.0	n/a



Photometric & Chromaticity Report

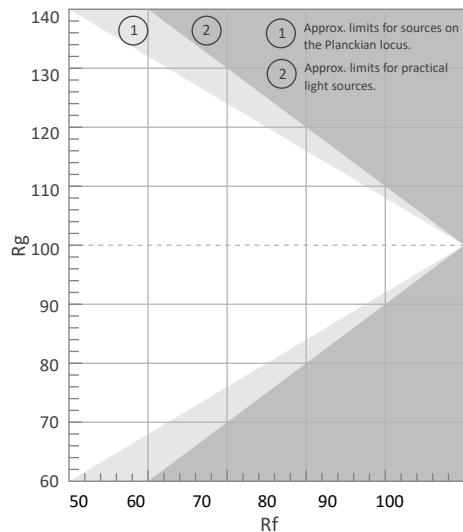
Maverick Storm 4 Solo Wash: 50% Zoom with Yellow Filter - Full Power

TM-30 Details

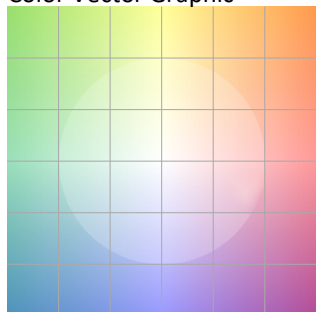
Rf 0.0
Fidelity Index (Rg)

Rg n/a
Gammut Index (Rg)

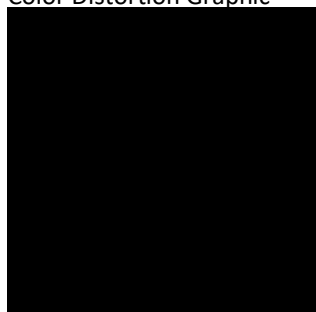
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



Color Distortion Graphic



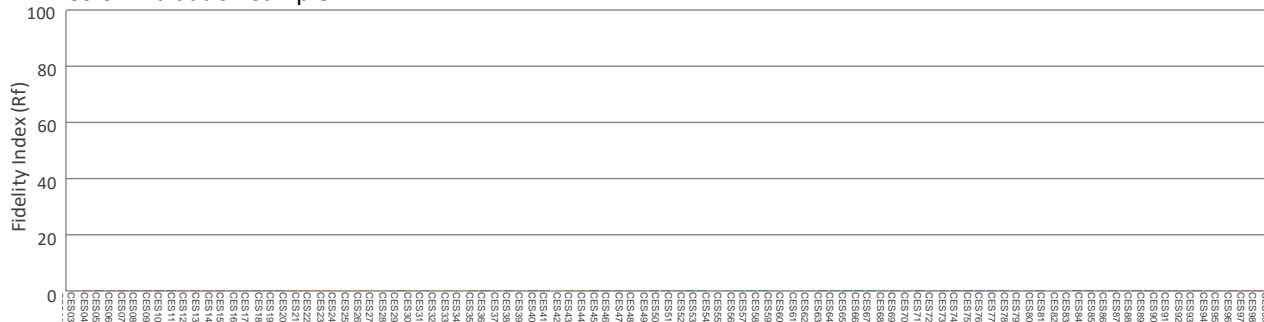
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with CRI Filter - Full Power

Report Summary

Measurements

Fixture Output: 46628 lm
Fixture Peak: 408307 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 16332 lux
Color Temperature: 7077 K
CRI: 89.6 CRI R9 Value: 52.6
CQS: 88.2
TLCI: 82
TM-30 Rf: 86.8
TM-30 Rg: 103.3
Beam Angle (50%): 20.9°
Field Angle (10%): 27.7°
Cutoff Angle (3%): 31.6°

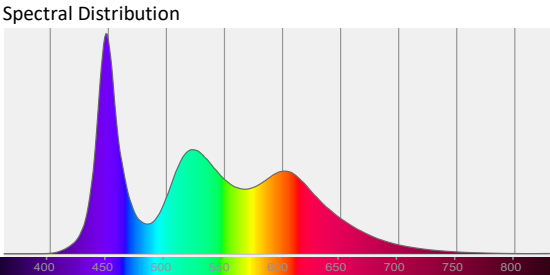
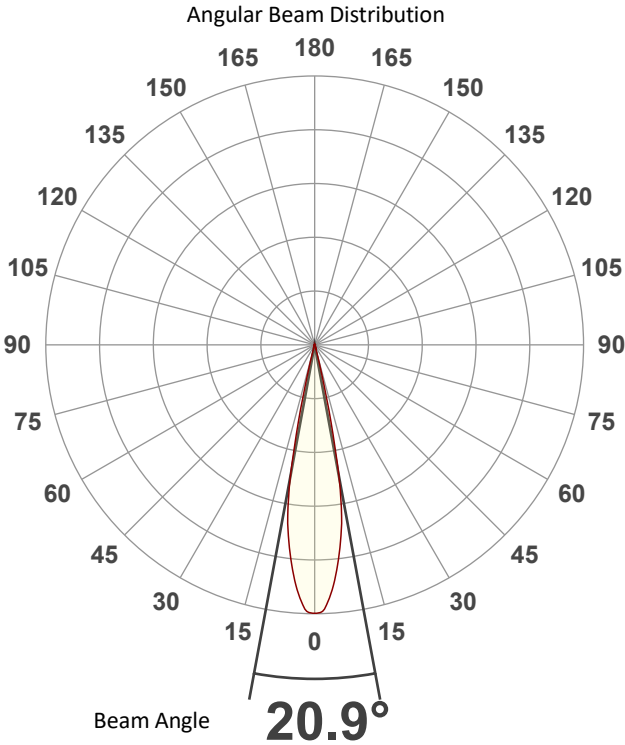


Conditions

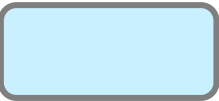
AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/22/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.306
Y: 0.315



Light Quality
CRI: 89.6

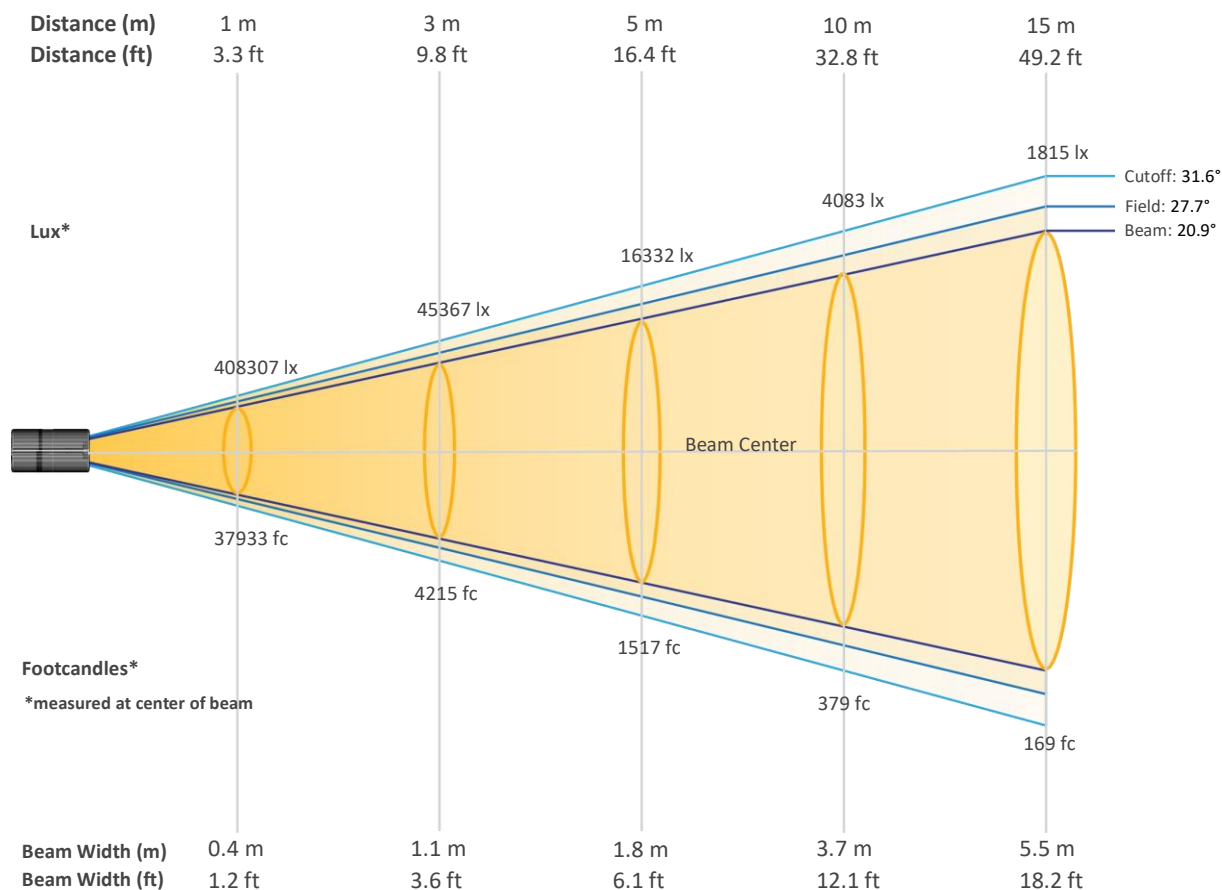
Color Temperature
7077 K



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with CRI Filter - Full Power

Beam Details

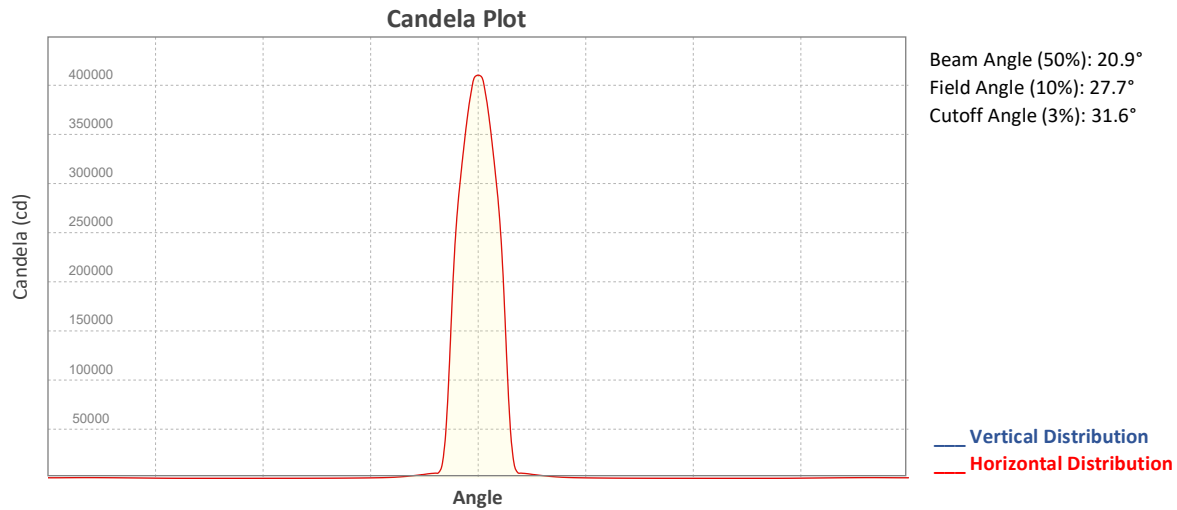


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	408307	102077	45367	25519	16332	11342	8333	6380	5041	4083
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3374	2835	2416	2083	1815	1595	1413	1260	1131	1021
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	37933	9483	4215	2371	1517	1054	774	593	468	379
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	313	263	224	194	169	148	131	117	105	95

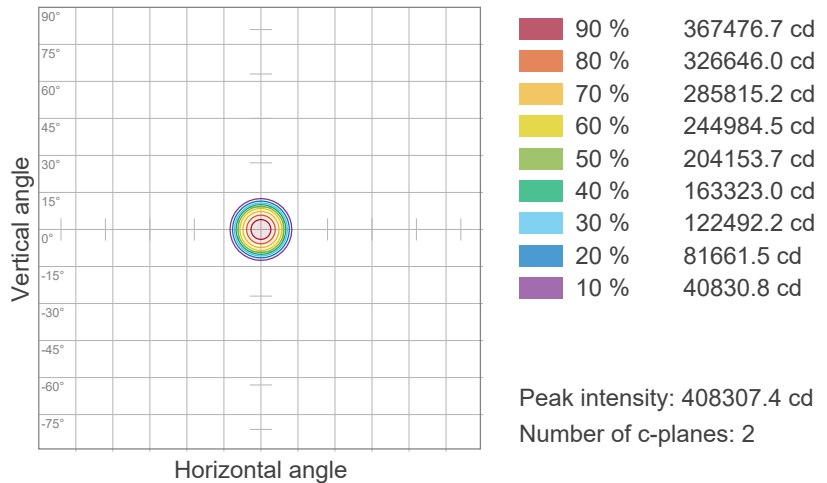
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with CRI Filter - Full Power

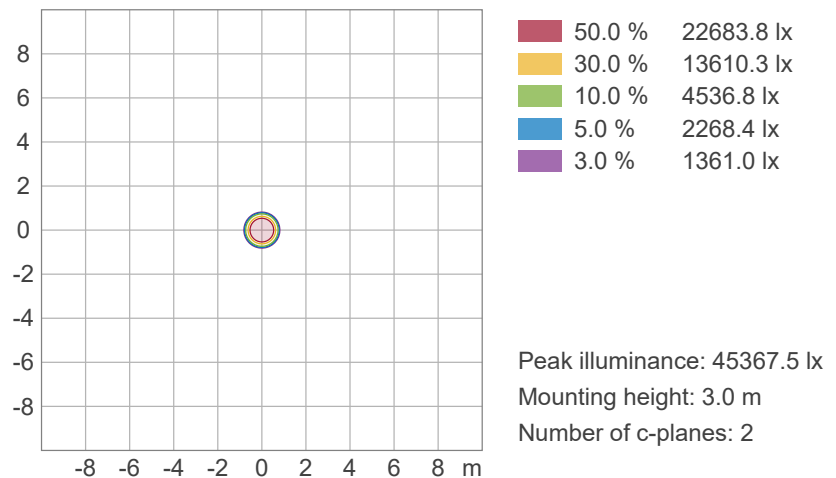


ISO Diagrams

ISO Candela Diagram



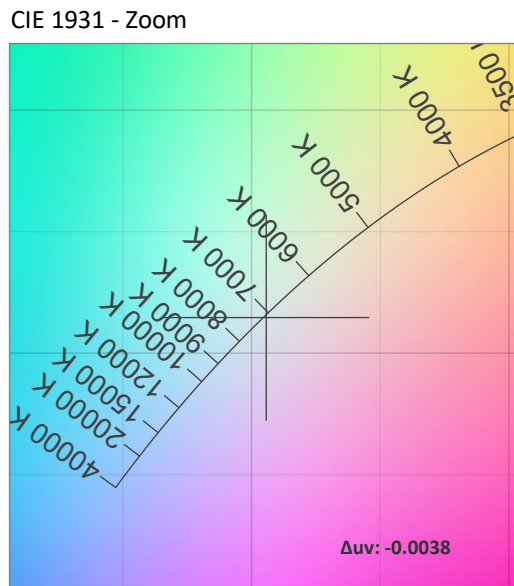
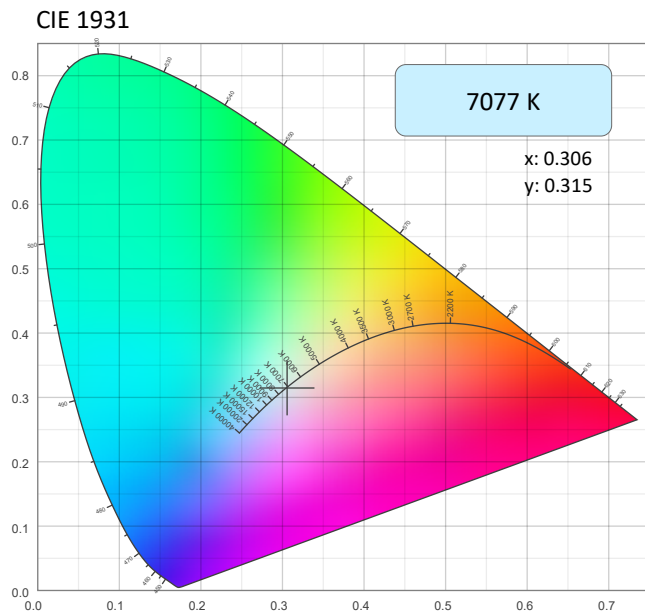
ISO Lux Diagram



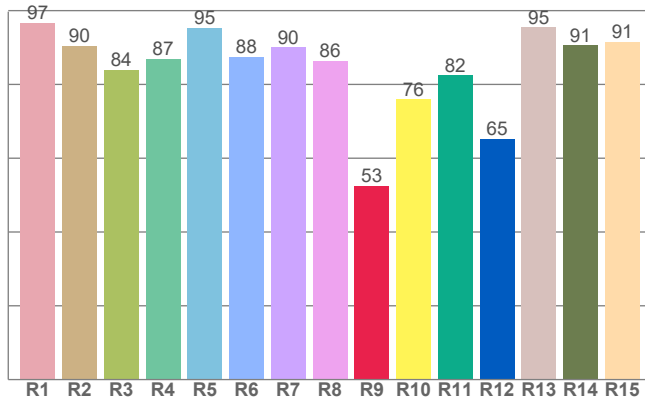
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with CRI Filter - Full Power

Chromaticity



CRI: 89.6 (R1-R8)

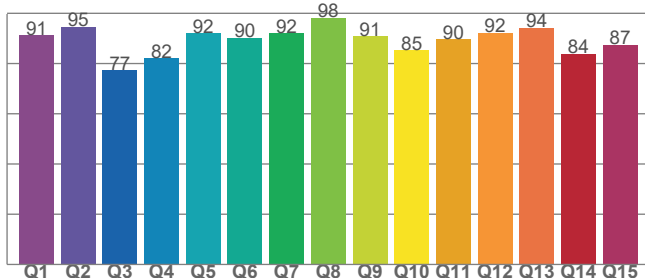


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7077 K	0.306	0.315

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0038	0.315	0.198

CQS: 88.2



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
89.6	52.6	88.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
82	86.8	103.3

Photometric & Chromaticity Report

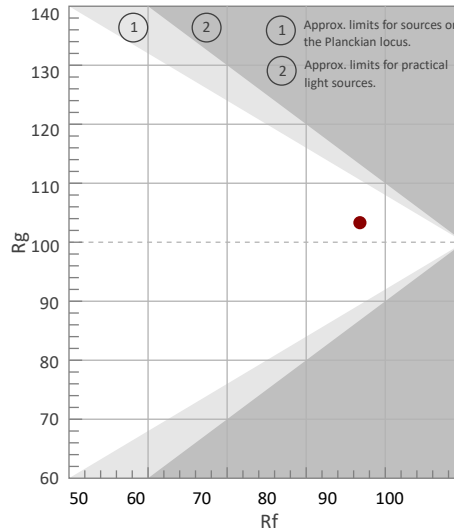
Maverick Storm 4 Solo Wash: 50% Zoom with CRI Filter - Full Power

TM-30 Details

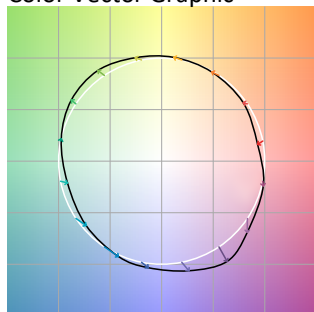
Rf 86.8
Fidelity Index (Rg)

Rg 103.3
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	-6%	-2%
2	92	-3%	3%
3	88	-1%	8%
4	86	1%	8%
5	86	3%	6%
6	88	7%	3%
7	92	6%	-1%
8	94	0%	-2%
9	91	-6%	3%
10	83	-4%	11%
11	67	0%	16%
12	86	4%	7%
13	87	9%	5%
14	82	16%	-1%
15	83	7%	-11%
16	92	1%	-4%



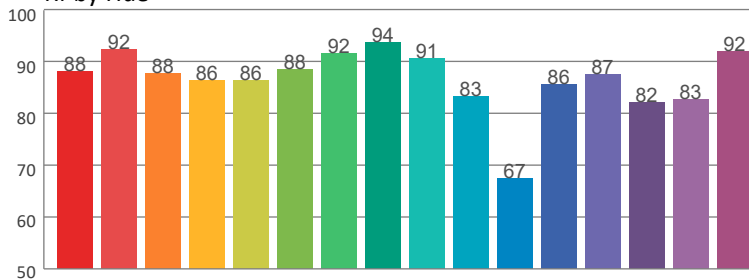
Color Vector Graphic



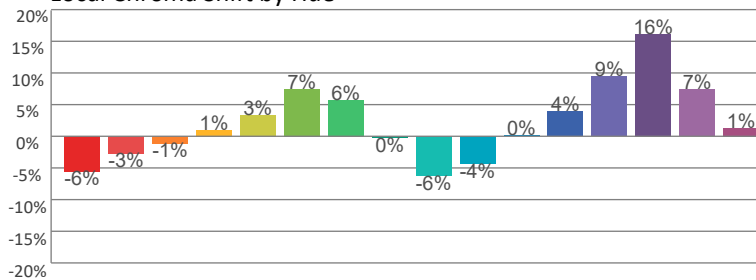
Color Distortion Graphic



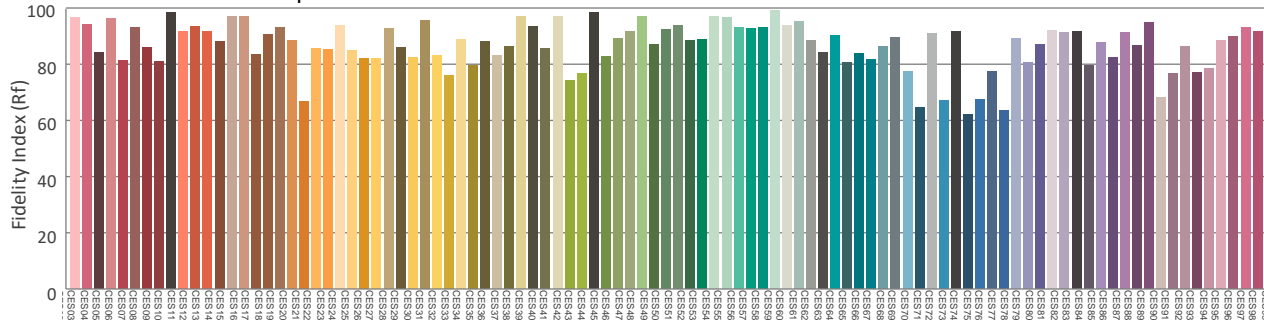
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with CTO Filter - Full Power

Report Summary

Measurements

Fixture Output: 39291 lm
Fixture Peak: 345826 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 13833 lux
Color Temperature: 3323 K
CRI: 53.5 CRI R9 Value: -88.3
CQS: 56.3
TLCI: 24
TM-30 Rf: 60.5
TM-30 Rg: 84.3
Beam Angle (50%): 19.4°
Field Angle (10%): 29.4°
Cutoff Angle (3%): 35.2°

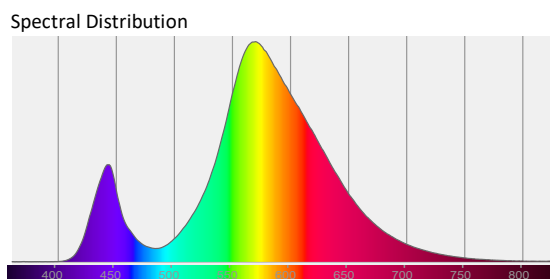
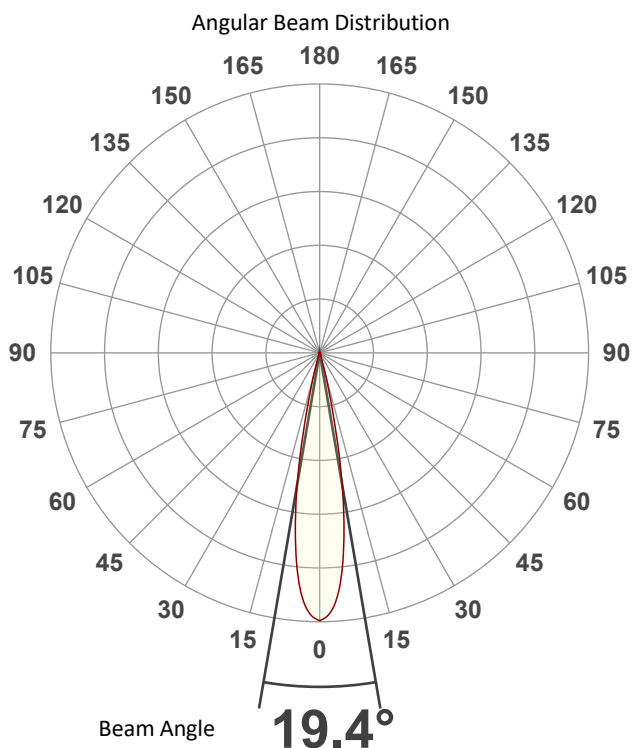


Conditions

AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.427

Y: 0.424

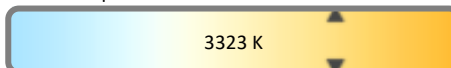


Light Quality

CRI: 53.5

Color Temperature

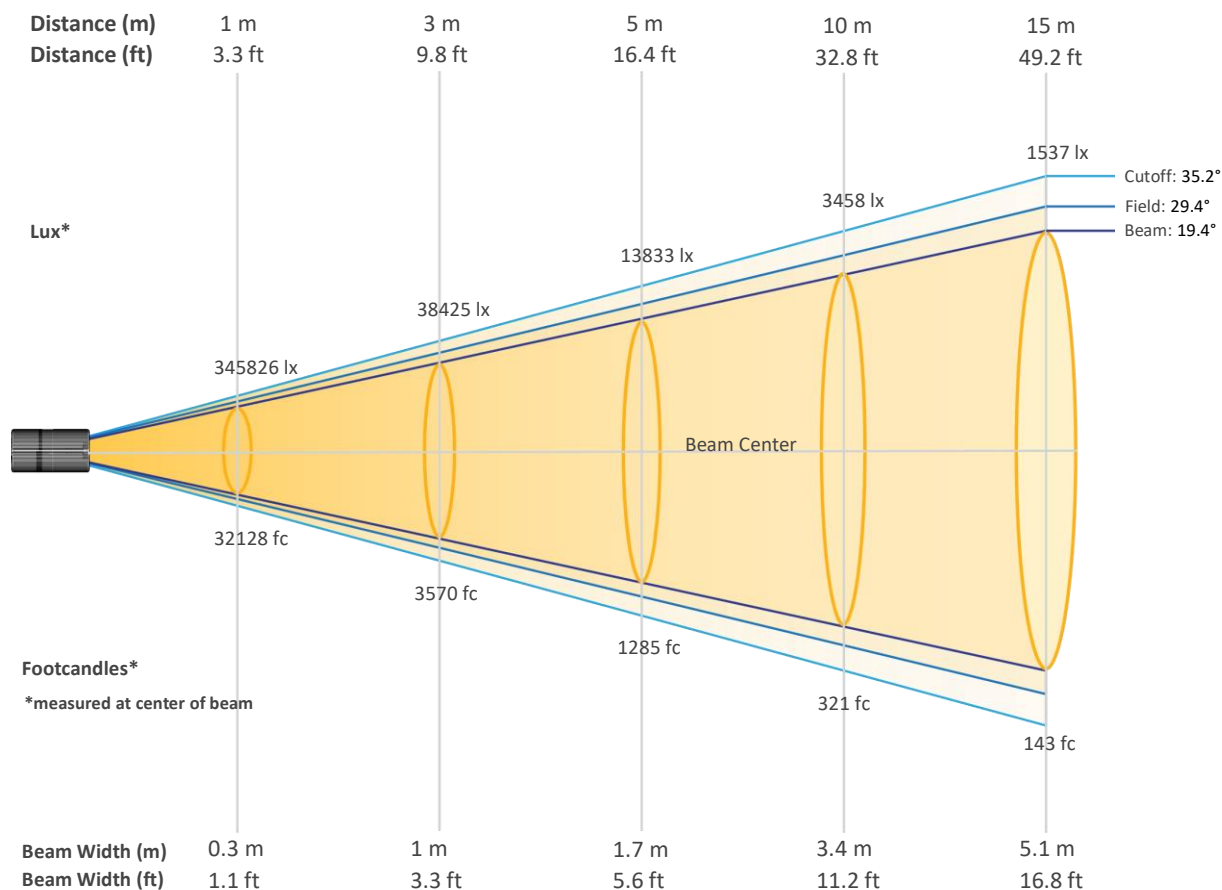
3323 K



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with CTO Filter - Full Power

Beam Details

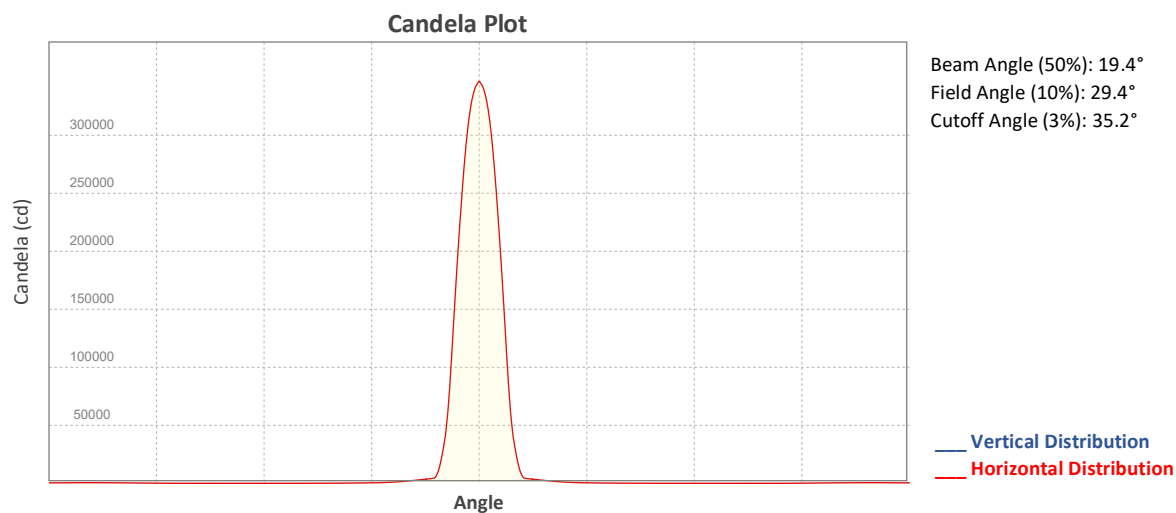


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	345826	86457	38425	21614	13833	9606	7058	5404	4269	3458
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2858	2402	2046	1764	1537	1351	1197	1067	958	865
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	32128	8032	3570	2008	1285	892	656	502	397	321
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	266	223	190	164	143	126	111	99	89	80

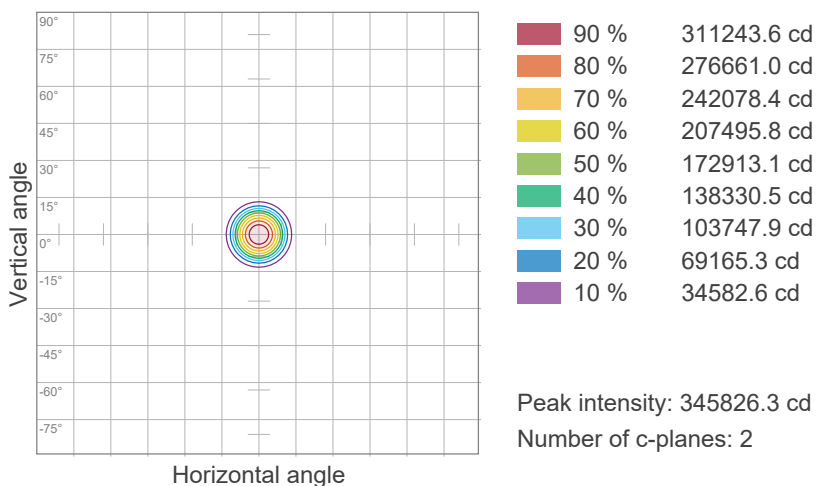
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with CTO Filter - Full Power

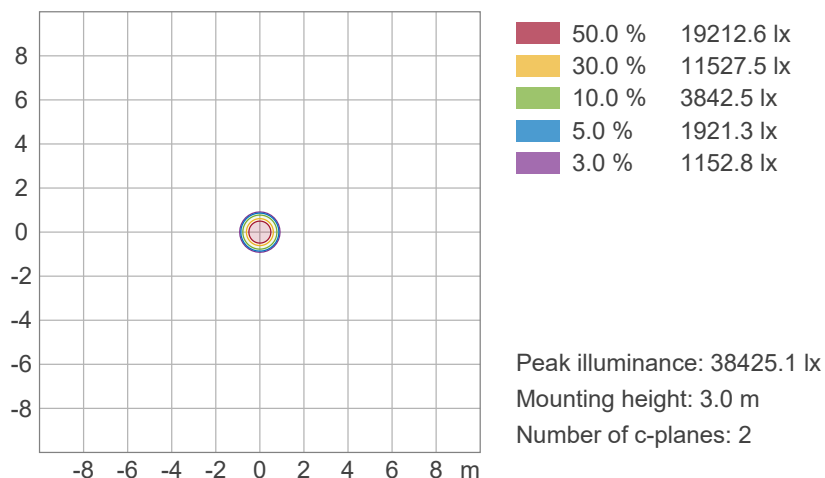


ISO Diagrams

ISO Candela Diagram



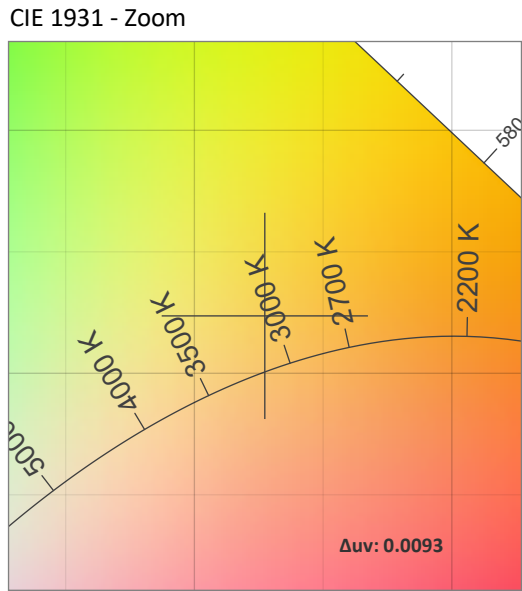
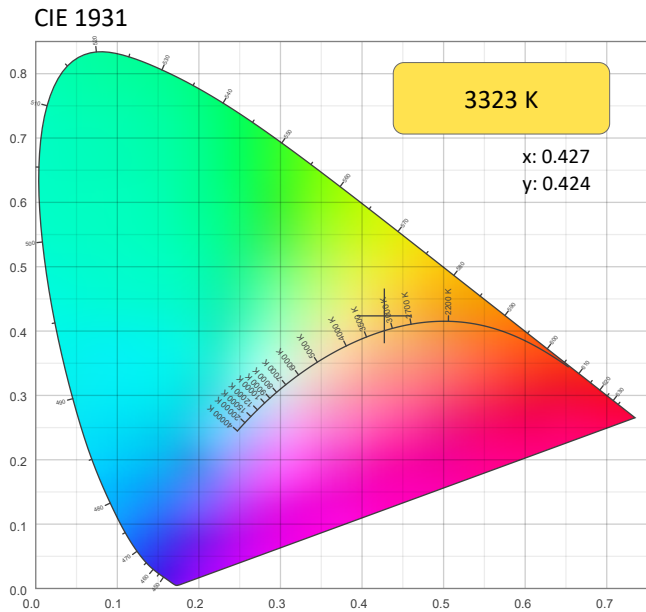
ISO Lux Diagram



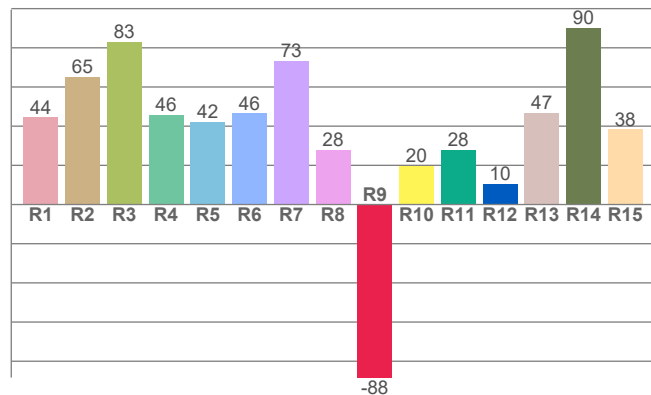
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom with CTO Filter - Full Power

Chromaticity



CRI: 53.5 (R1-R8)



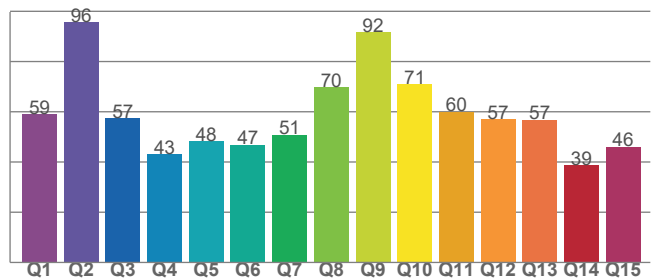
Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3323 K	0.427	0.424

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0093	0.424	0.236

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
53.5	-88.3	56.3

CQS: 56.3



Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
24	60.5	84.3



Photometric & Chromaticity Report

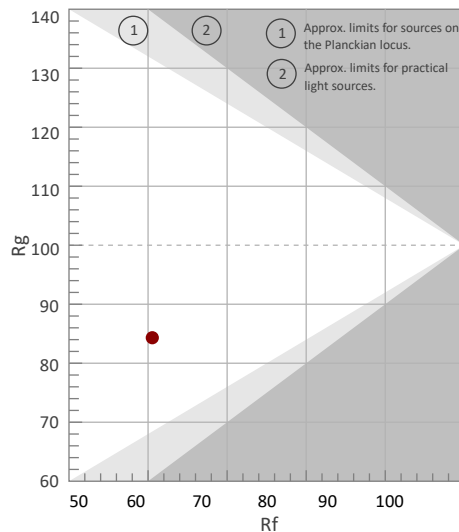
Maverick Storm 4 Solo Wash: 50% Zoom with CTO Filter - Full Power

TM-30 Details

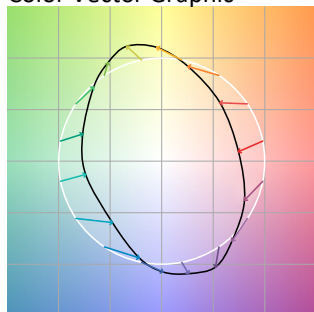
Rf 60.5
Fidelity Index (Rg)

Rg 84.3
Gammut Index (Rg)

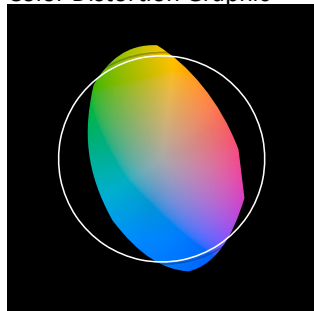
Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	55	-25%	-6%
2	54	-22%	16%
3	42	-9%	30%
4	57	7%	26%
5	75	16%	12%
6	80	8%	-10%
7	64	-5%	-23%
8	63	-20%	-11%
9	63	-25%	-2%
10	46	-27%	23%
11	42	-10%	34%
12	67	5%	22%
13	80	12%	4%
14	72	14%	-14%
15	62	0%	-26%
16	65	-14%	-22%



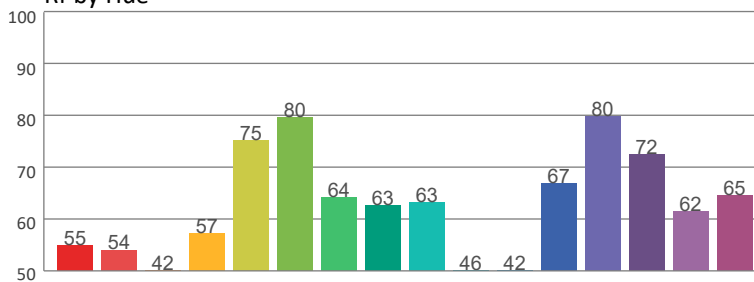
Color Vector Graphic



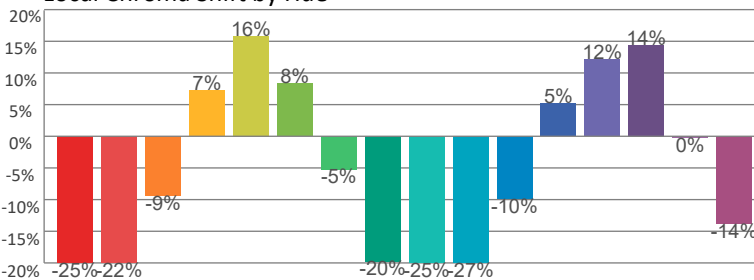
Color Distortion Graphic



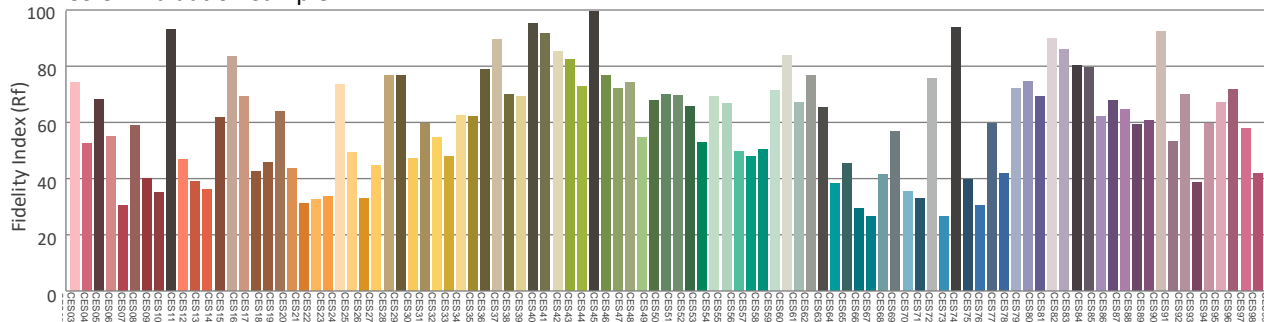
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 3200K - Full Power

Report Summary

Measurements

Fixture Output: 16806 lm
Fixture Peak: 146841 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 5874 lux
Color Temperature: 3209 K
CRI: 76.6 CRI R9 Value: 49.6
CQS: 74.3
TLCI: 48
TM-30 Rf: 72.5
TM-30 Rg: 104.3
Beam Angle (50%): 19°
Field Angle (10%): 30.1°
Cutoff Angle (3%): 36°

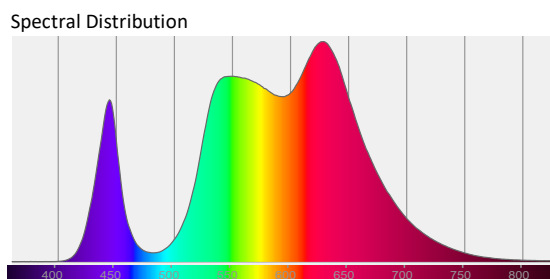
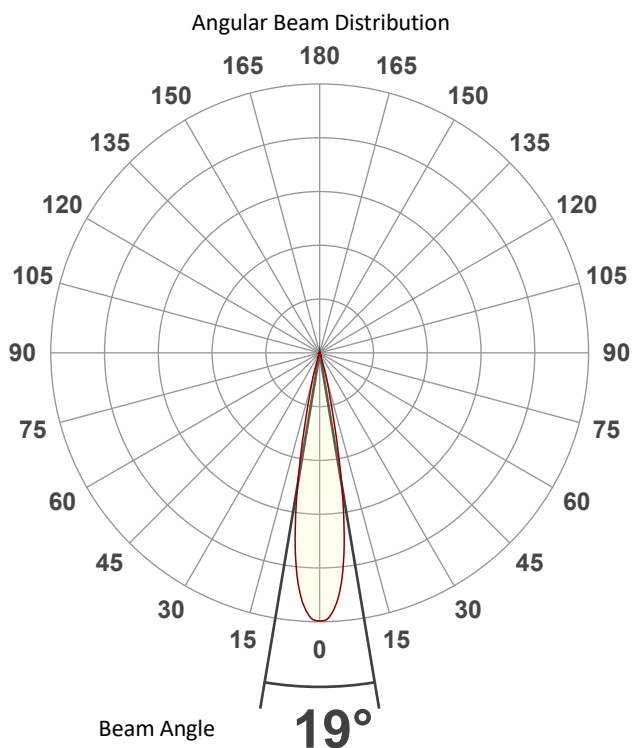


Conditions

AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

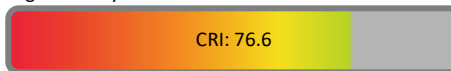
X: 0.424

Y: 0.401



Light Quality

CRI: 76.6



Color Temperature

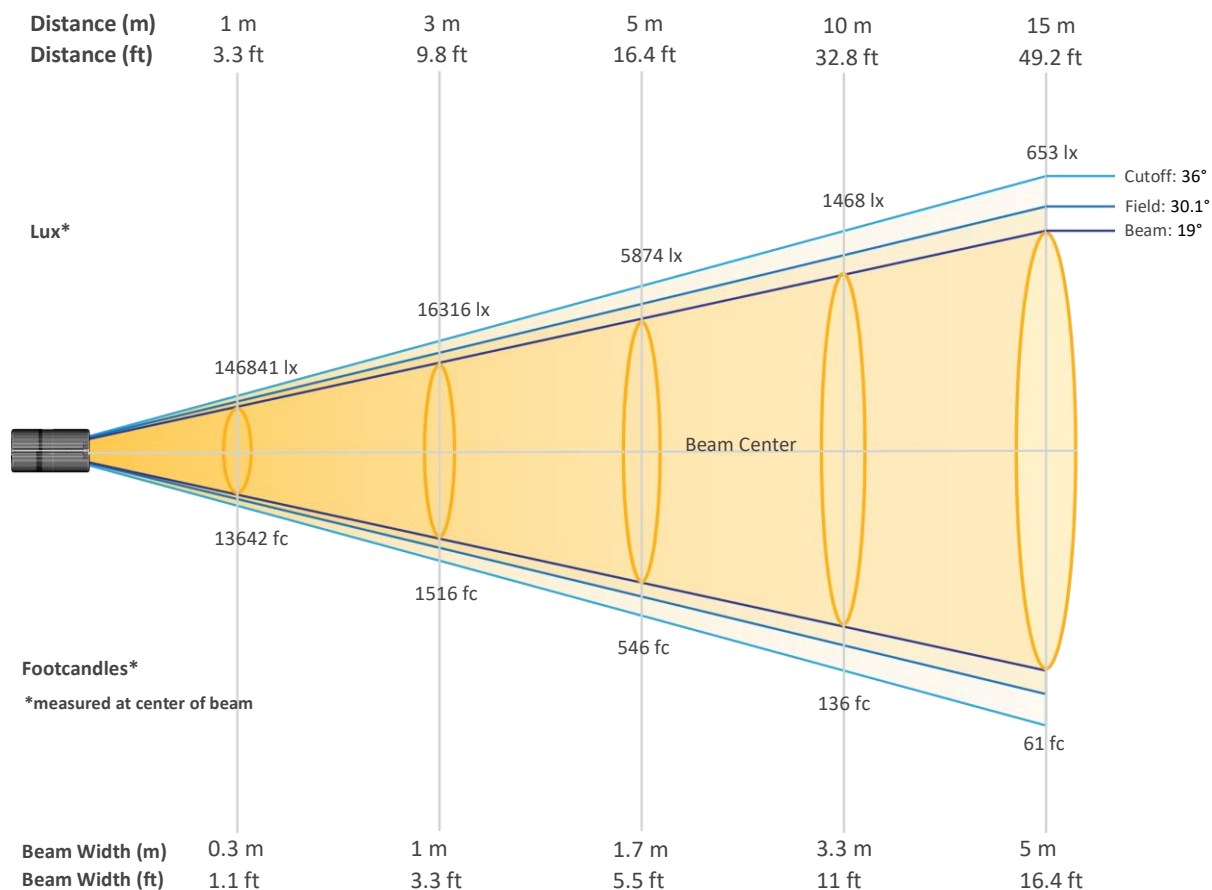
3209 K



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 3200K - Full Power

Beam Details

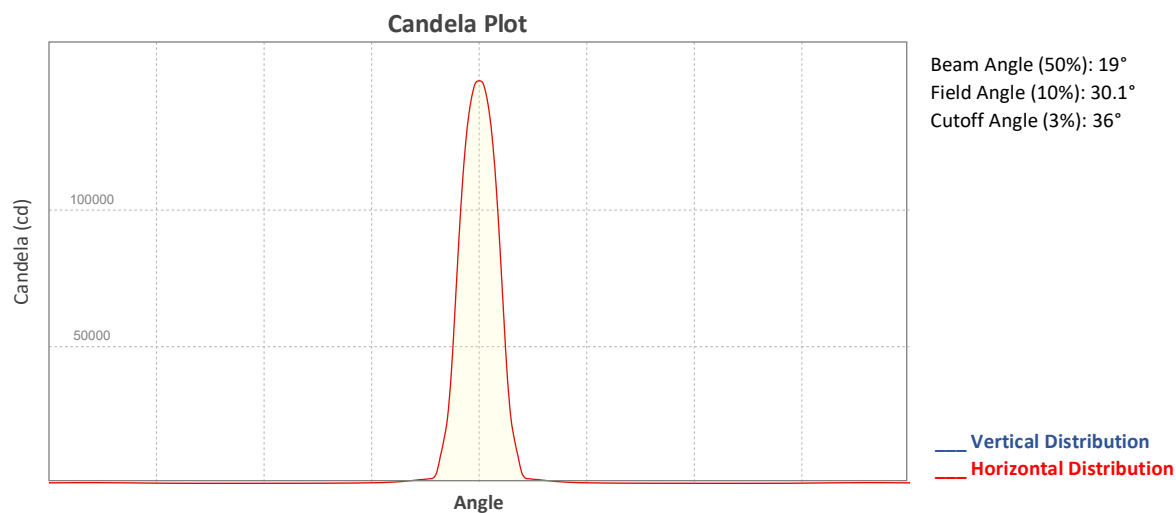


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	14684	36710	16316	9178	5874	4079	2997	2294	1813	1468
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1214	1020	869	749	653	574	508	453	407	367
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	13642	3410	1516	853	546	379	278	213	168	136
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	113	95	81	70	61	53	47	42	38	34

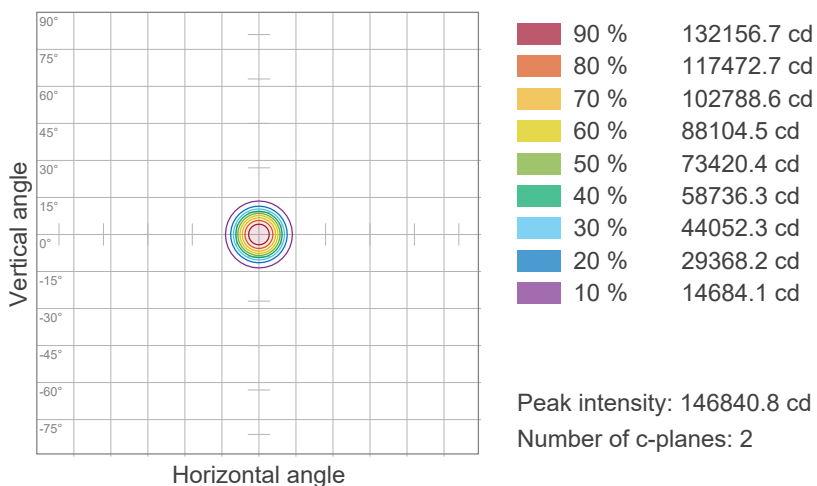
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 3200K - Full Power

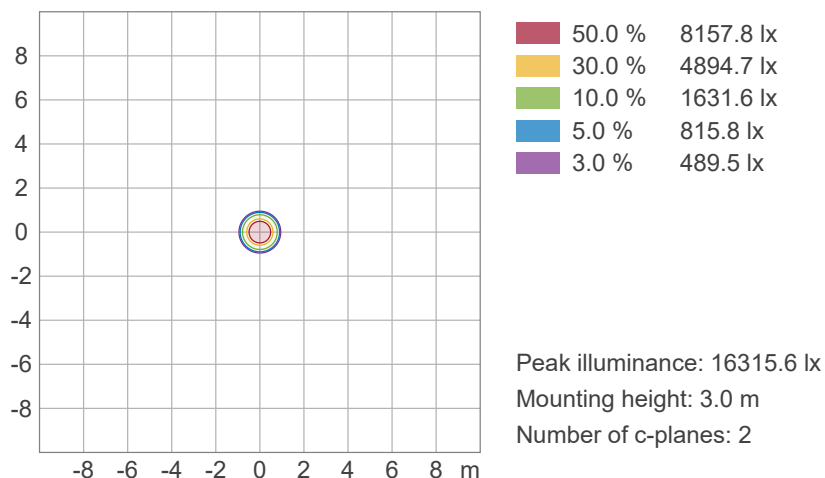


ISO Diagrams

ISO Candela Diagram



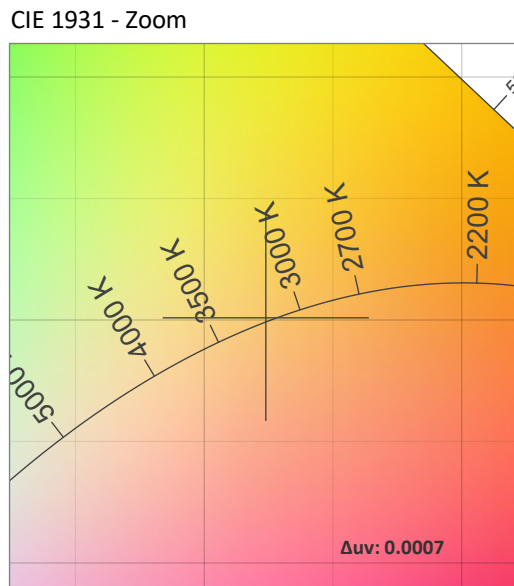
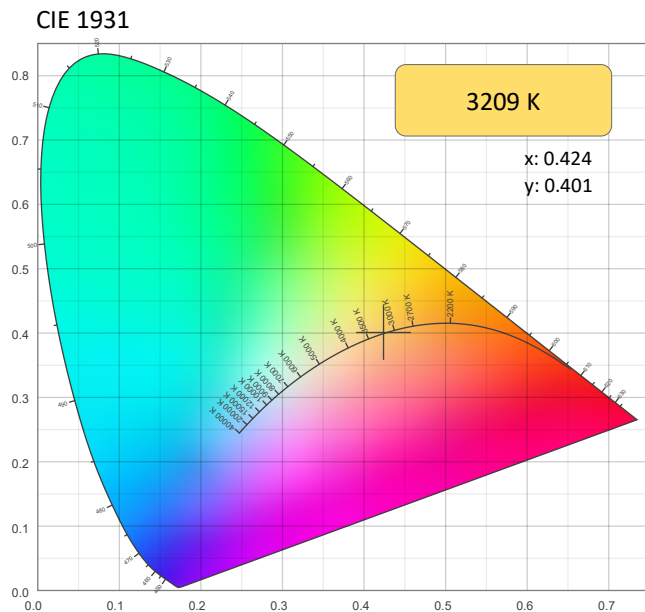
ISO Lux Diagram



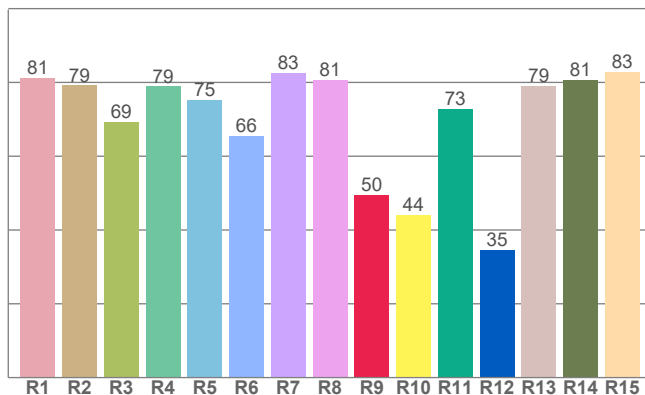
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 3200K - Full Power

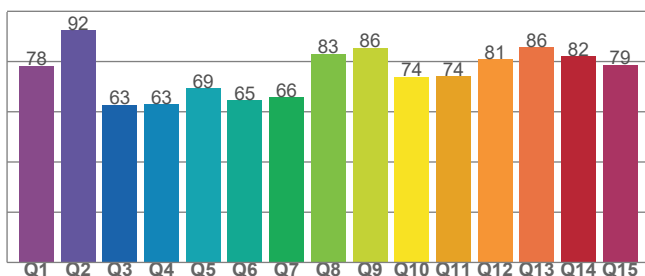
Chromaticity



CRI: 76.6 (R1-R8)



CQS: 74.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3209 K	0.424	0.401

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0007	0.401	0.244

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
76.6	49.6	74.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
48	72.5	104.3

Photometric & Chromaticity Report

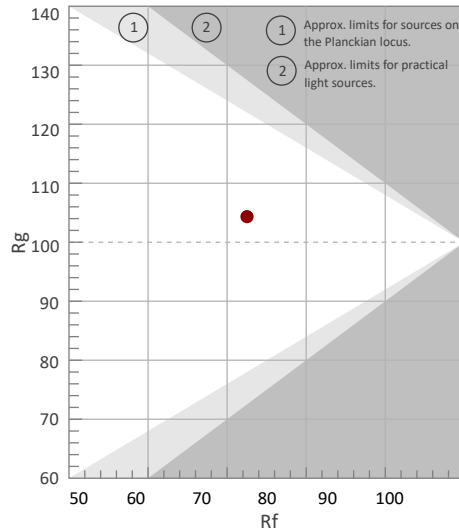
Maverick Storm 4 Solo Wash: 50% Zoom - 3200K - Full Power

TM-30 Details

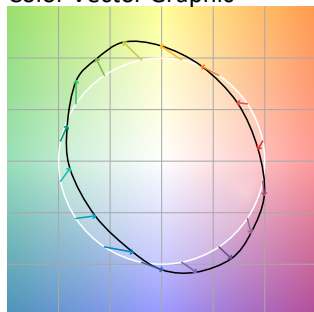
Rf 72.5
Fidelity Index
(Rg)

Rg 104.3
Gammut Index (Rg)

Hue Bin	Graphic shifts (%)		
	R _f	Chroma	Hue
1	82	-6%	-7%
2	82	-8%	6%
3	64	-2%	19%
4	61	10%	23%
5	71	20%	14%
6	72	18%	-2%
7	65	12%	-19%
8	76	-3%	-16%
9	77	-11%	-10%
10	66	-17%	8%
11	58	-11%	26%
12	69	3%	22%
13	77	12%	12%
14	80	16%	4%
15	77	11%	-10%
16	83	4%	-13%



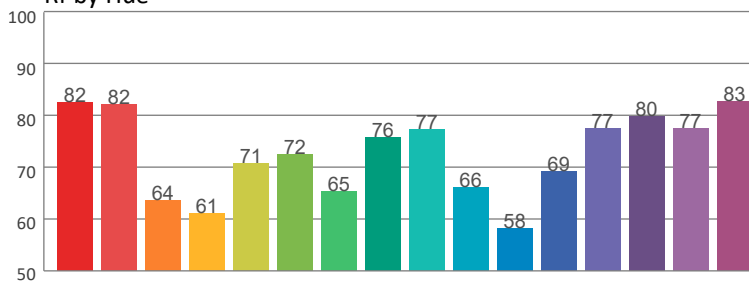
Color Vector Graphic



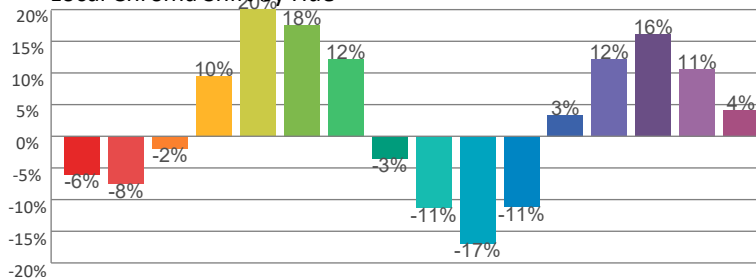
Color Distortion Graphic



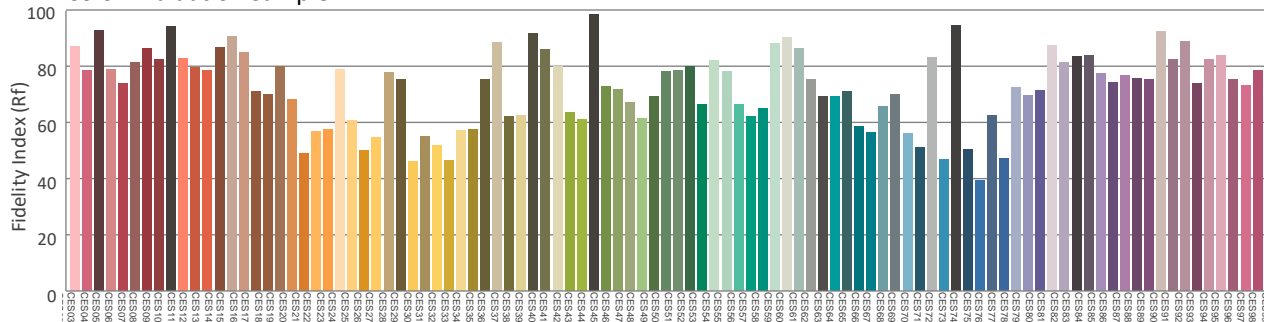
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 4000K - Full Power

Report Summary

Measurements

Fixture Output: 23934 lm
Fixture Peak: 208757 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 8350 lux
Color Temperature: 4027 K
CRI: 72.2 CRI R9 Value: 17.4
CQS: 72.0
TLCI: 47
TM-30 Rf: 70.6
TM-30 Rg: 100.1
Beam Angle (50%): 19.1°
Field Angle (10%): 30°
Cutoff Angle (3%): 35.7°

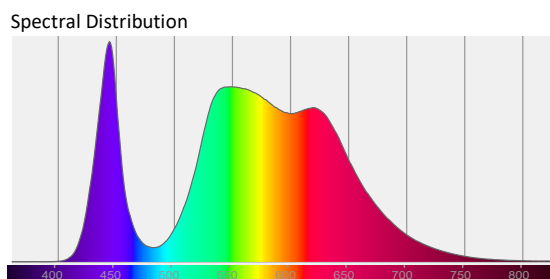
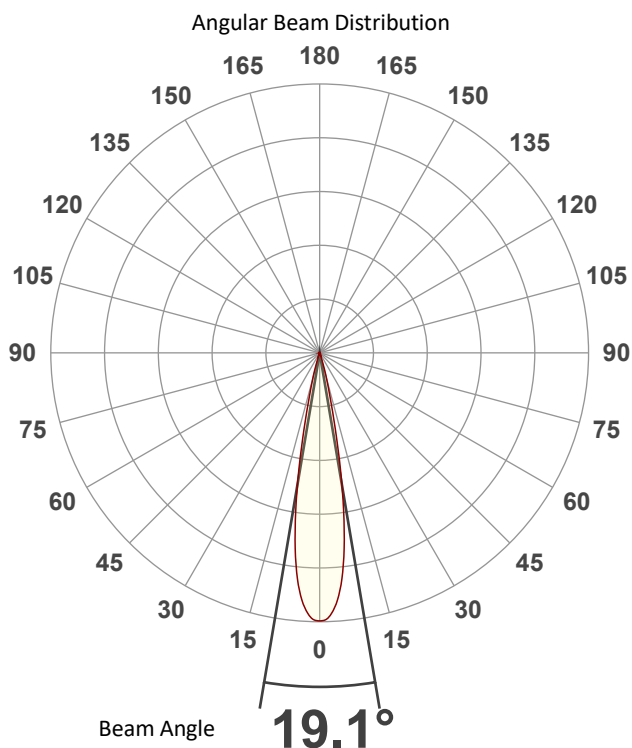


Conditions

AC Supply: 121 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

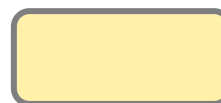
Overall Measurement



Tested Color (CIE 1931):

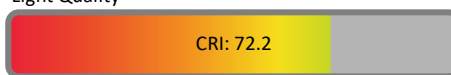
X: 0.379

Y: 0.376



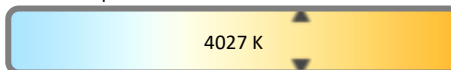
Light Quality

CRI: 72.2



Color Temperature

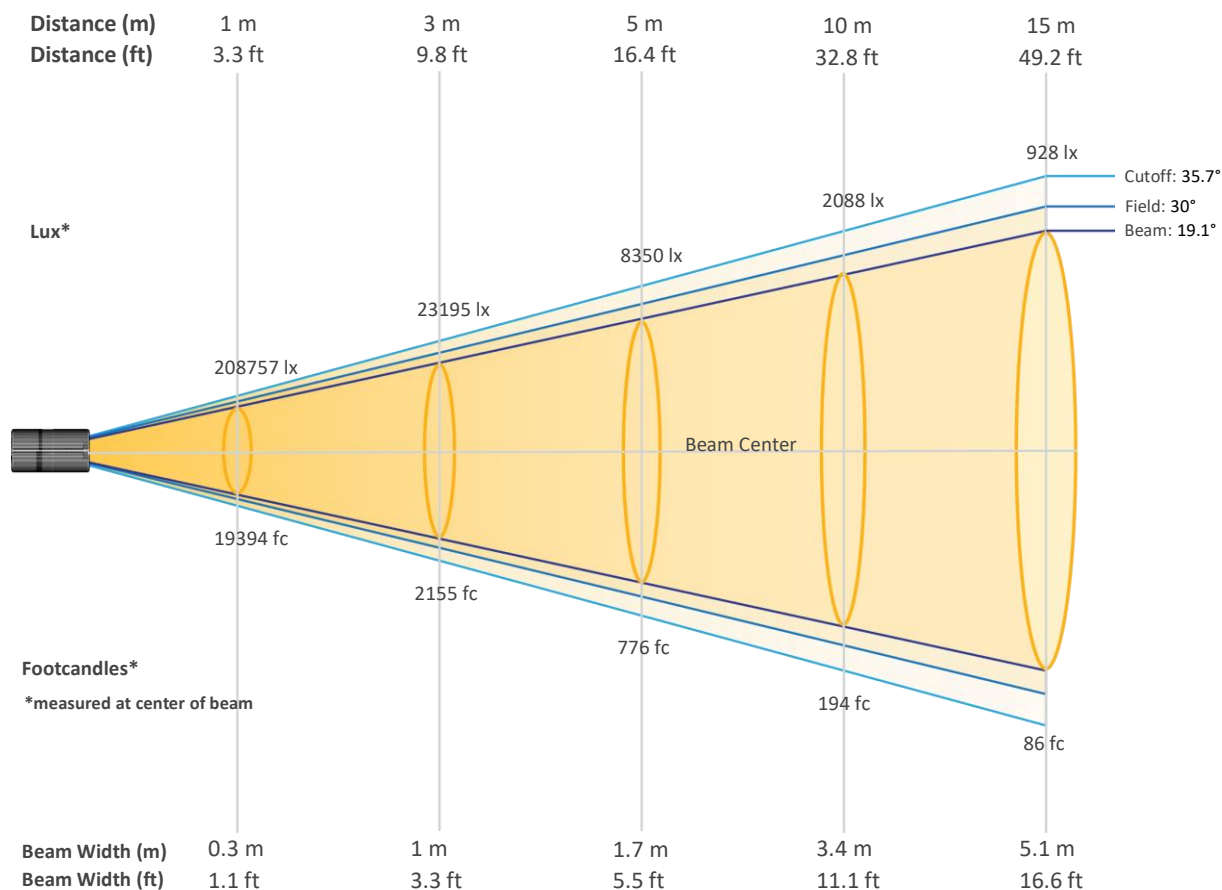
4027 K



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 4000K - Full Power

Beam Details

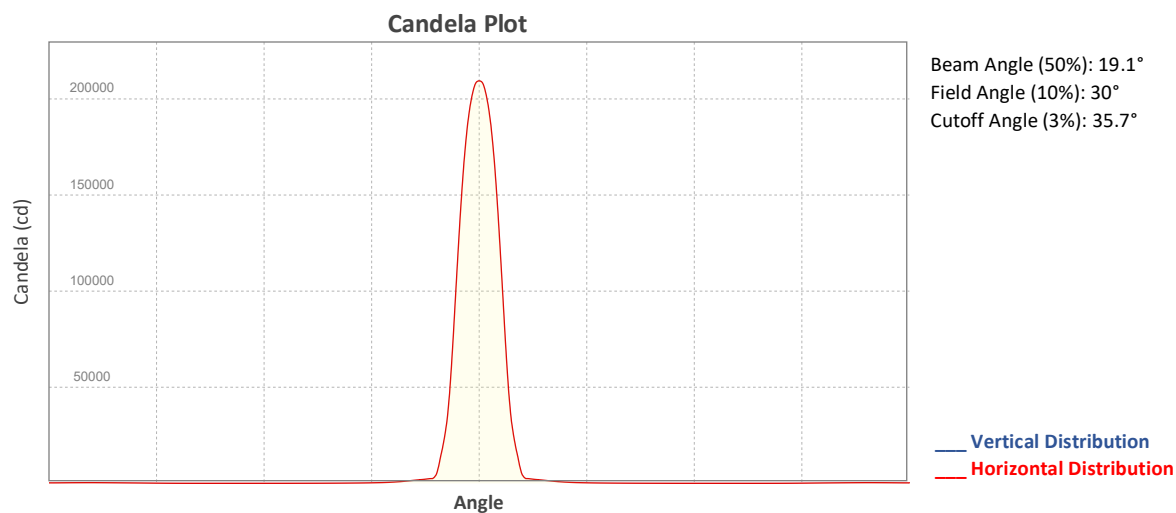


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	20875	52189	23195	13047	8350	5799	4260	3262	2577	2088
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1725	1450	1235	1065	928	815	722	644	578	522
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	19394	4849	2155	1212	776	539	396	303	239	194
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	160	135	115	99	86	76	67	60	54	48

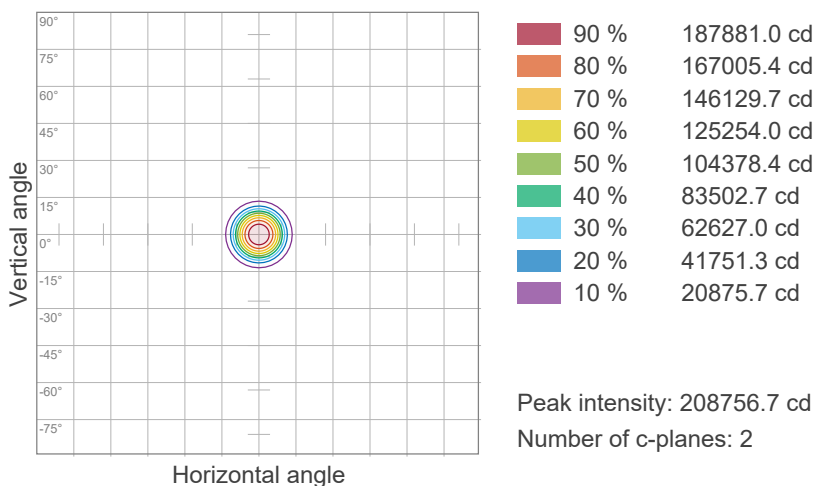
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 4000K - Full Power

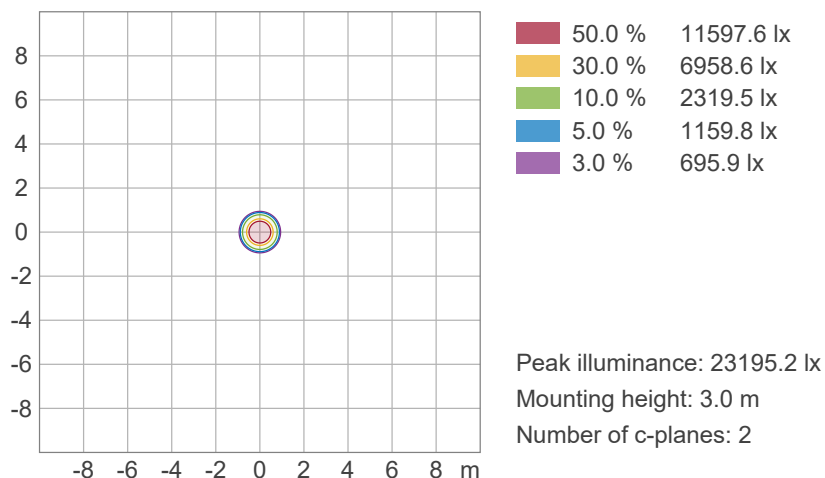


ISO Diagrams

ISO Candela Diagram



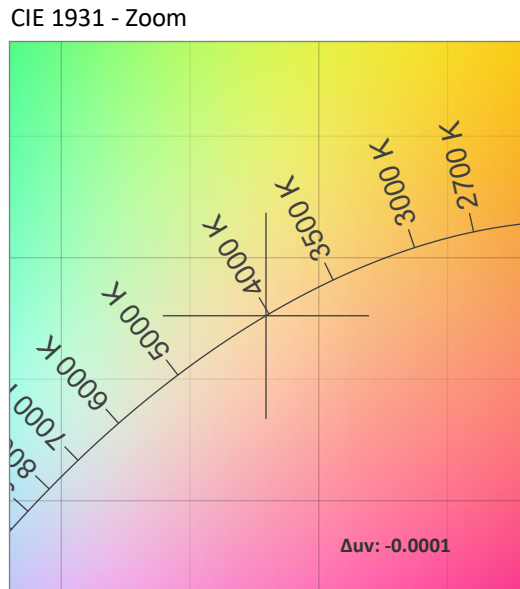
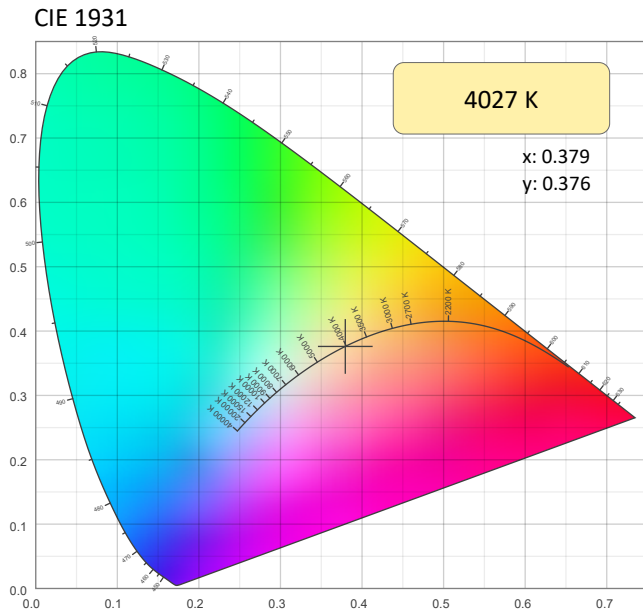
ISO Lux Diagram



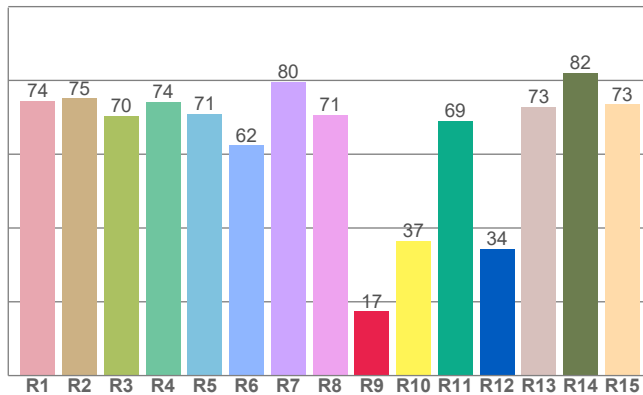
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 4000K - Full Power

Chromaticity



CRI: 72.2 (R1-R8)

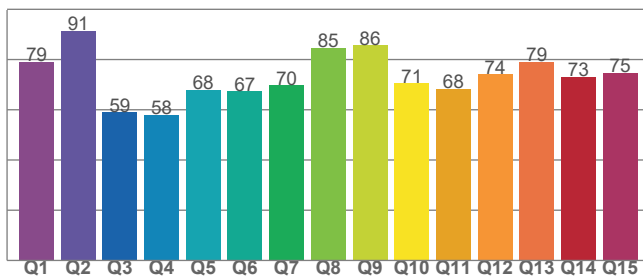


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4027 K	0.379	0.376

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0001	0.376	0.225

CQS: 72.0



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
72.2	17.4	72.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
47	70.6	100.1

Photometric & Chromaticity Report

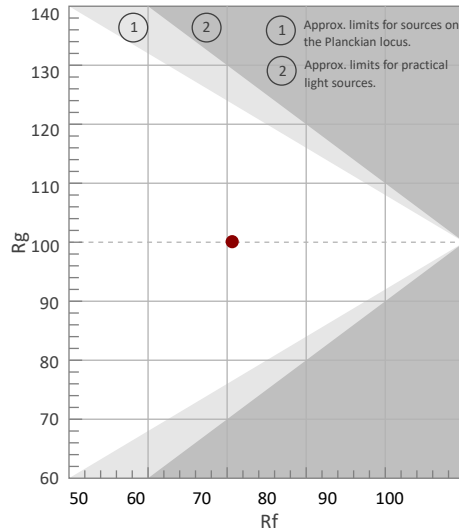
Maverick Storm 4 Solo Wash: 50% Zoom - 4000K - Full Power

TM-30 Details

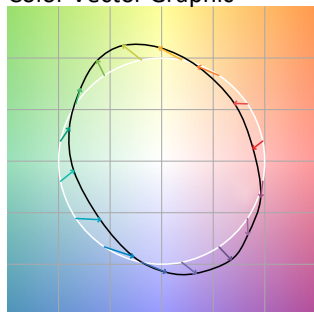
Rf 70.6
Fidelity Index
(Rg)

Rg 100.1
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-11%	-5%
2	78	-10%	7%
3	60	-4%	22%
4	61	8%	24%
5	69	17%	15%
6	76	16%	-2%
7	78	4%	-14%
8	76	-6%	-14%
9	77	-15%	-8%
10	61	-19%	14%
11	57	-8%	28%
12	55	5%	25%
13	76	13%	11%
14	77	17%	3%
15	78	9%	-13%
16	77	1%	-15%



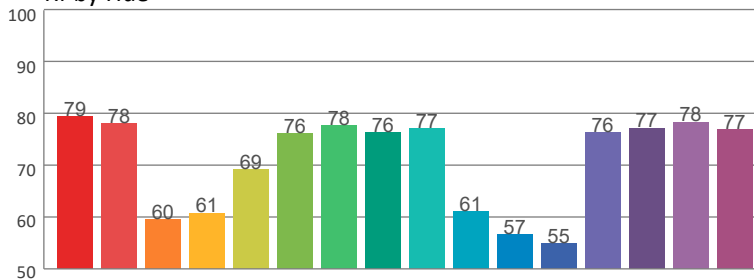
Color Vector Graphic



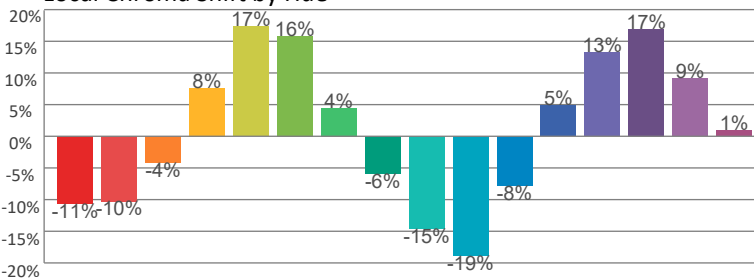
Color Distortion Graphic



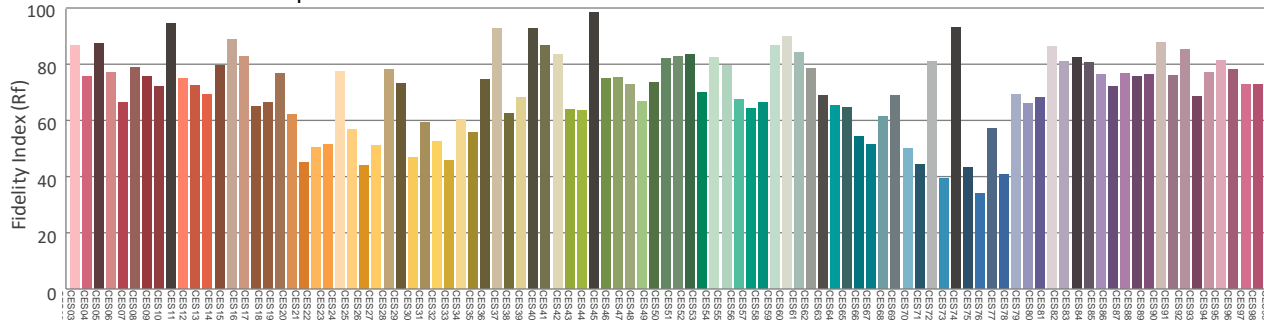
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 5600K - Full Power

Report Summary

Measurements

Fixture Output: 39671 lm
Fixture Peak: 358139 cd
Fixture Efficacy: n/a lm/W
Intensity @ 5m: 14326 lux
Color Temperature: 5667 K
CRI: 69.3 CRI R9 Value: -19.0
CQS: 68.7
TLCI: 48
TM-30 Rf: 69.1
TM-30 Rg: 96.7
Beam Angle (50%): 19.3°
Field Angle (10%): 27.8°
Cutoff Angle (3%): 36.2°

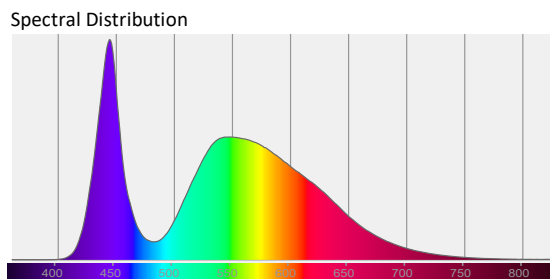
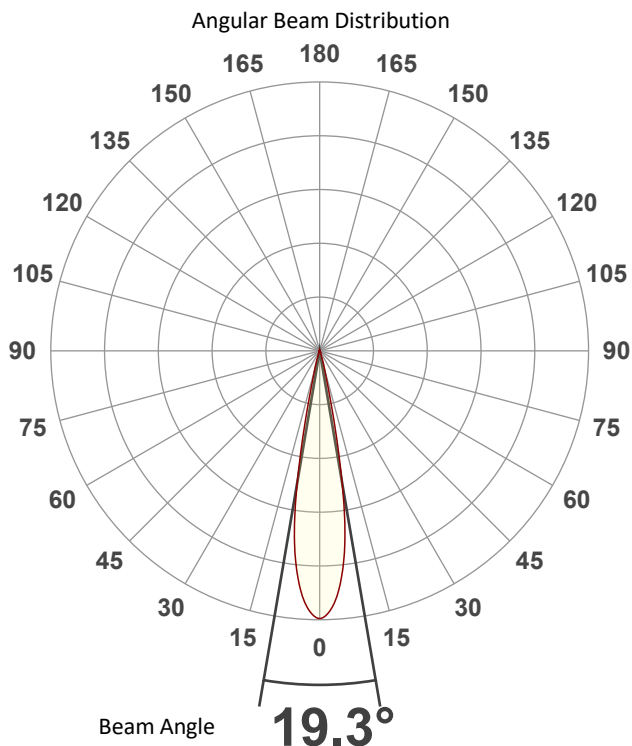


Conditions

AC Supply: 120 V, 60 Hz
Power: 0.0 W
Current: 0.000 A
Power Factor: n/a

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 1/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.329
Y: 0.341

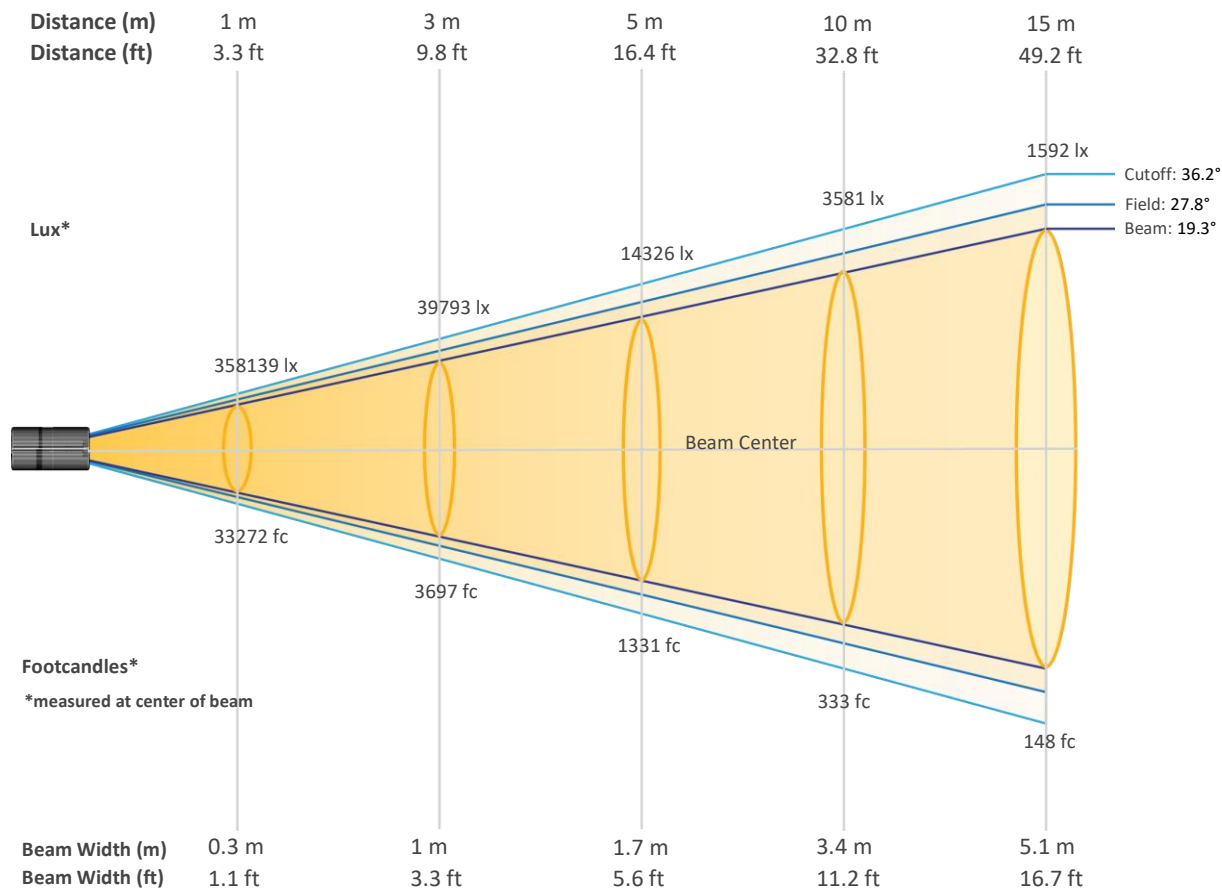
Light Quality
CRI: 69.3

Color Temperature
5667 K

Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 5600K - Full Power

Beam Details

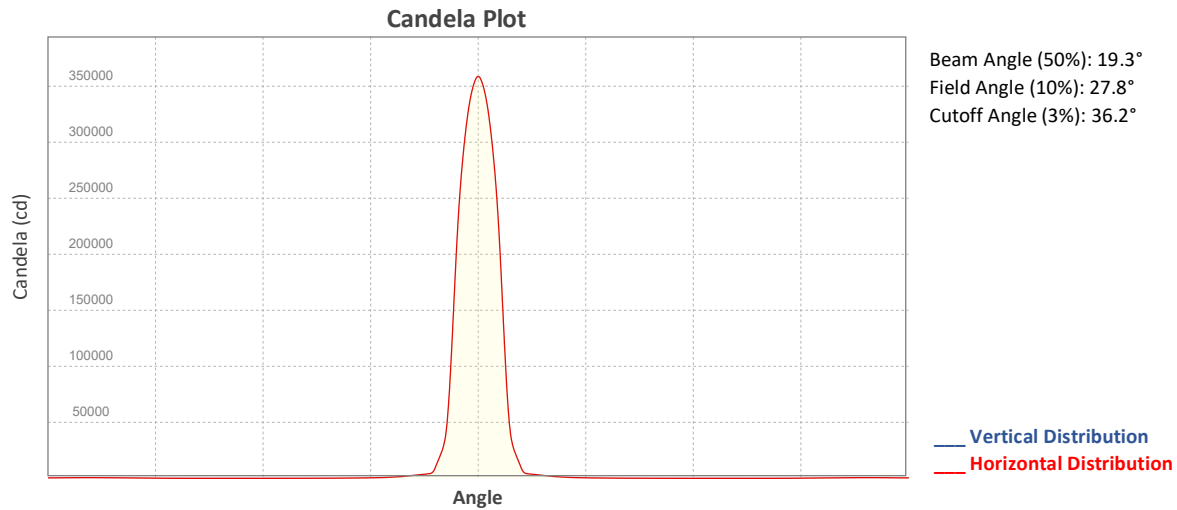


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	358139	89535	39793	22384	14326	9948	7309	5596	4421	3581
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2960	2487	2119	1827	1592	1399	1239	1105	992	895
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	33272	8318	3697	2080	1331	924	679	520	411	333
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	275	231	197	170	148	130	115	103	92	83

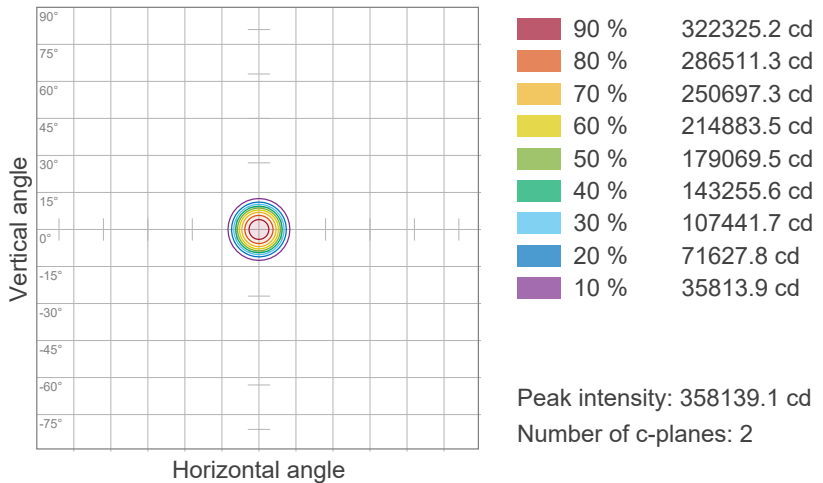
Photometric & Chromaticity Report

Maverick Storm 4 Solo Wash: 50% Zoom - 5600K - Full Power

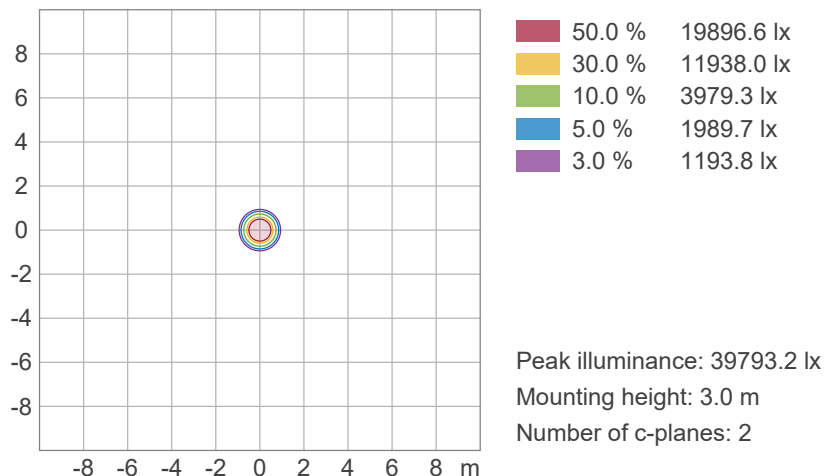


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

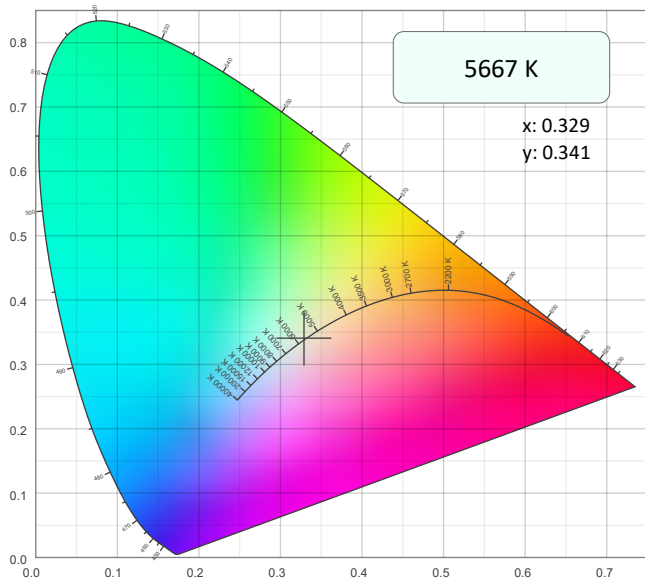


Photometric & Chromaticity Report

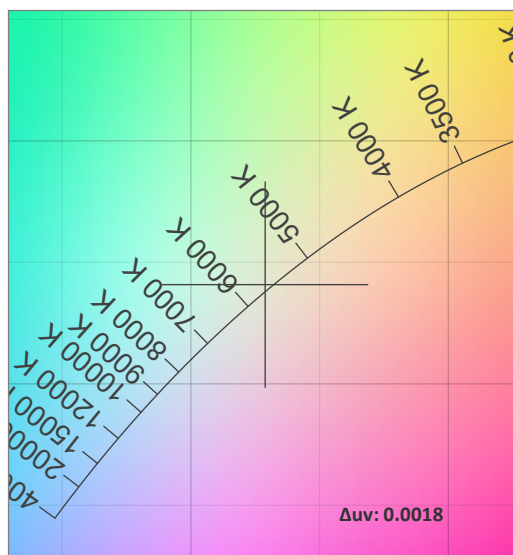
Maverick Storm 4 Solo Wash: 50% Zoom - 5600K - Full Power

Chromaticity

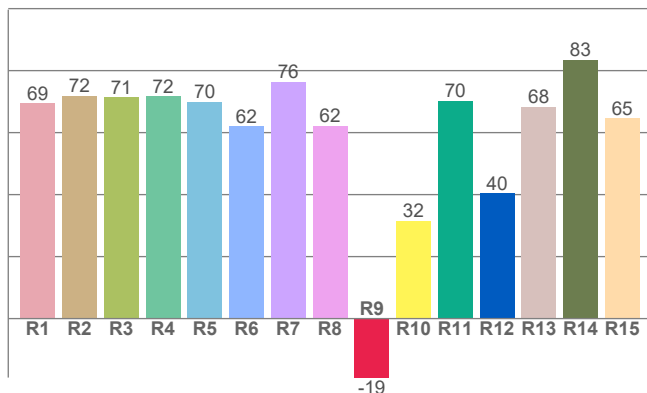
CIE 1931



CIE 1931 - Zoom



CRI: 69.3 (R1-R8)

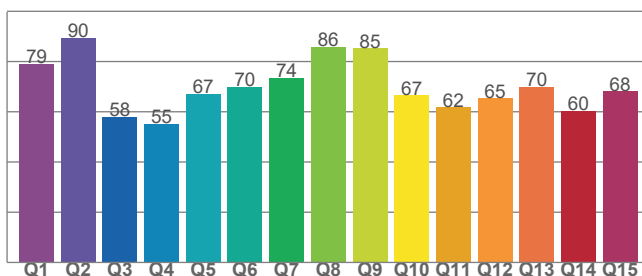


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5667 K	0.329	0.341

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0018	0.341	0.204

CQS: 68.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.3	-19.0	68.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
48	69.1	96.7

Photometric & Chromaticity Report

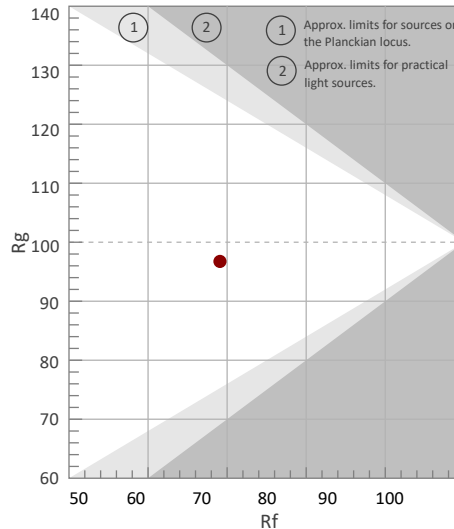
Maverick Storm 4 Solo Wash: 50% Zoom - 5600K - Full Power

TM-30 Details

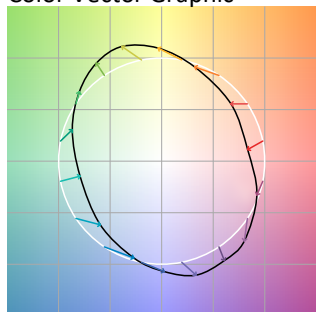
Rf 69.1
Fidelity Index (Rg)

Rg 96.7
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	69	-16%	-5%
2	75	-13%	9%
3	58	-6%	24%
4	60	7%	25%
5	65	17%	16%
6	80	14%	0%
7	82	4%	-12%
8	74	-9%	-13%
9	78	-20%	-1%
10	60	-16%	18%
11	51	-7%	30%
12	65	5%	23%
13	78	15%	11%
14	74	14%	-3%
15	75	10%	-20%
16	76	-3%	-14%



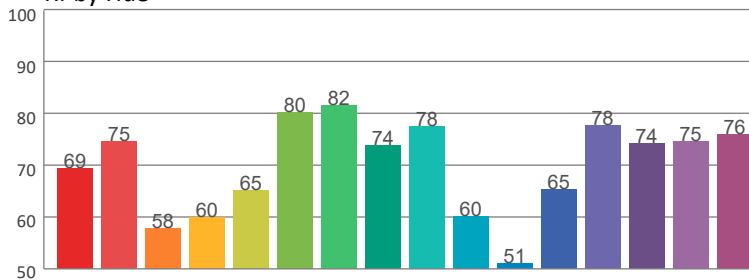
Color Vector Graphic



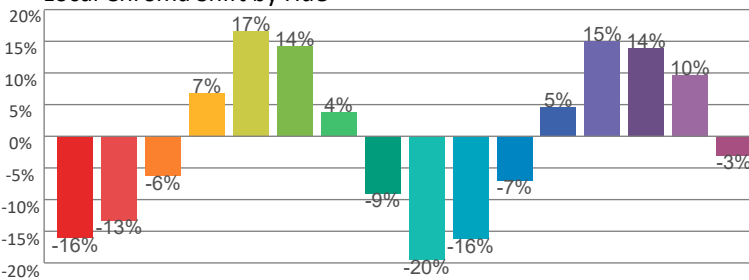
Color Distortion Graphic



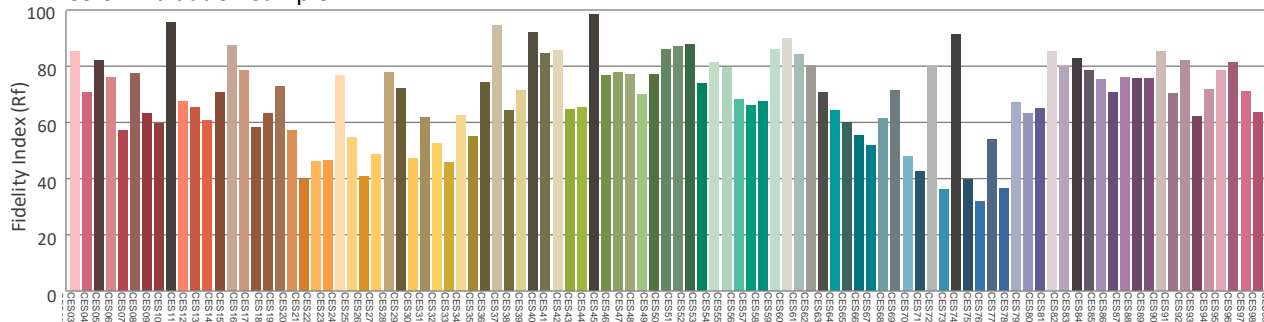
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Contact Us

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