

COLORADO 3-QUAD ZOOM

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.

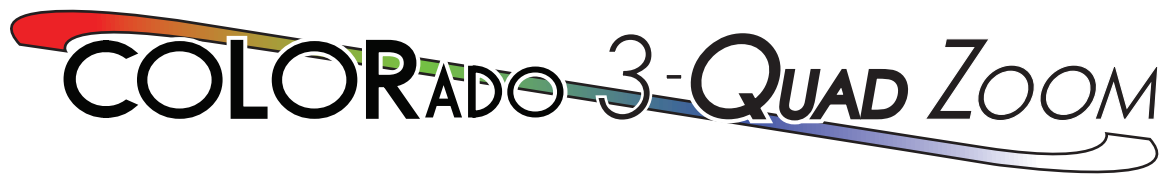
This system includes a spectrometer sensor, which measures the precise light and color output of the fixture, and a two-axis goniometer, which rotates the product to allow for multi-angle and multi-directional measurement. The Viso Light Inspector software then collects and summarizes the data. From 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.



Photometrics & Chromaticity Reports

Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Full Power

Report Summary

Measurements

Fixture Output: 3350 lm
Fixture Peak: 689772 cd
Fixture Efficacy: 13 lm/W
Intensity @ 5m: 27567 lux
Color Temperature: 28415 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: 66
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 3.9°
Field Angle (10%): 6°
Cutoff Angle (3%): 7.4°

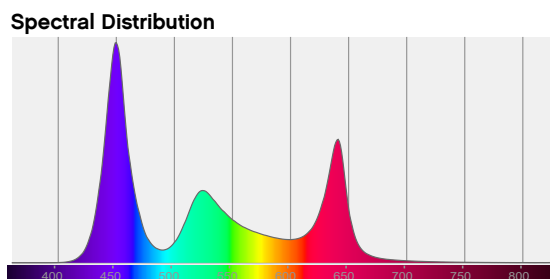
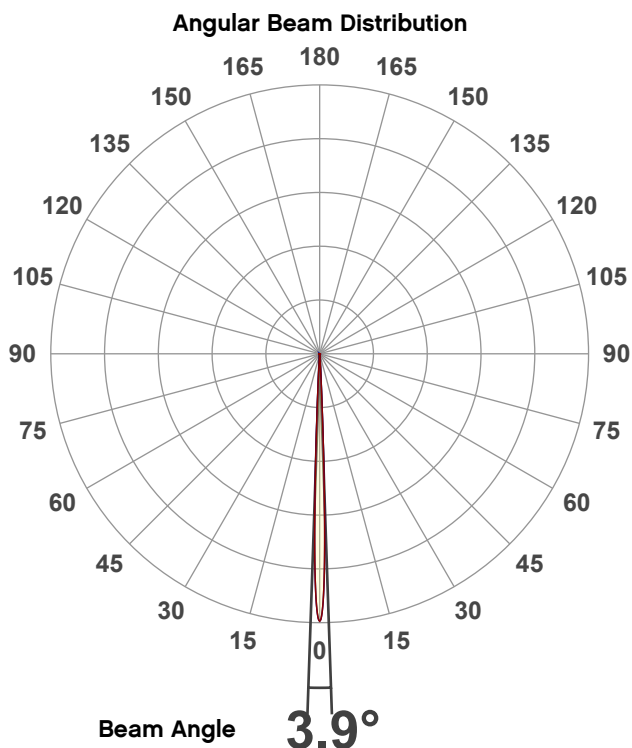


Conditions

AC Supply: 115 V, 60 Hz
Power: 258.13 W
Current: 2.25 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.269

Y: 0.234

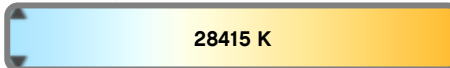


Light Quality

CRI: 0.0

Color Temperature

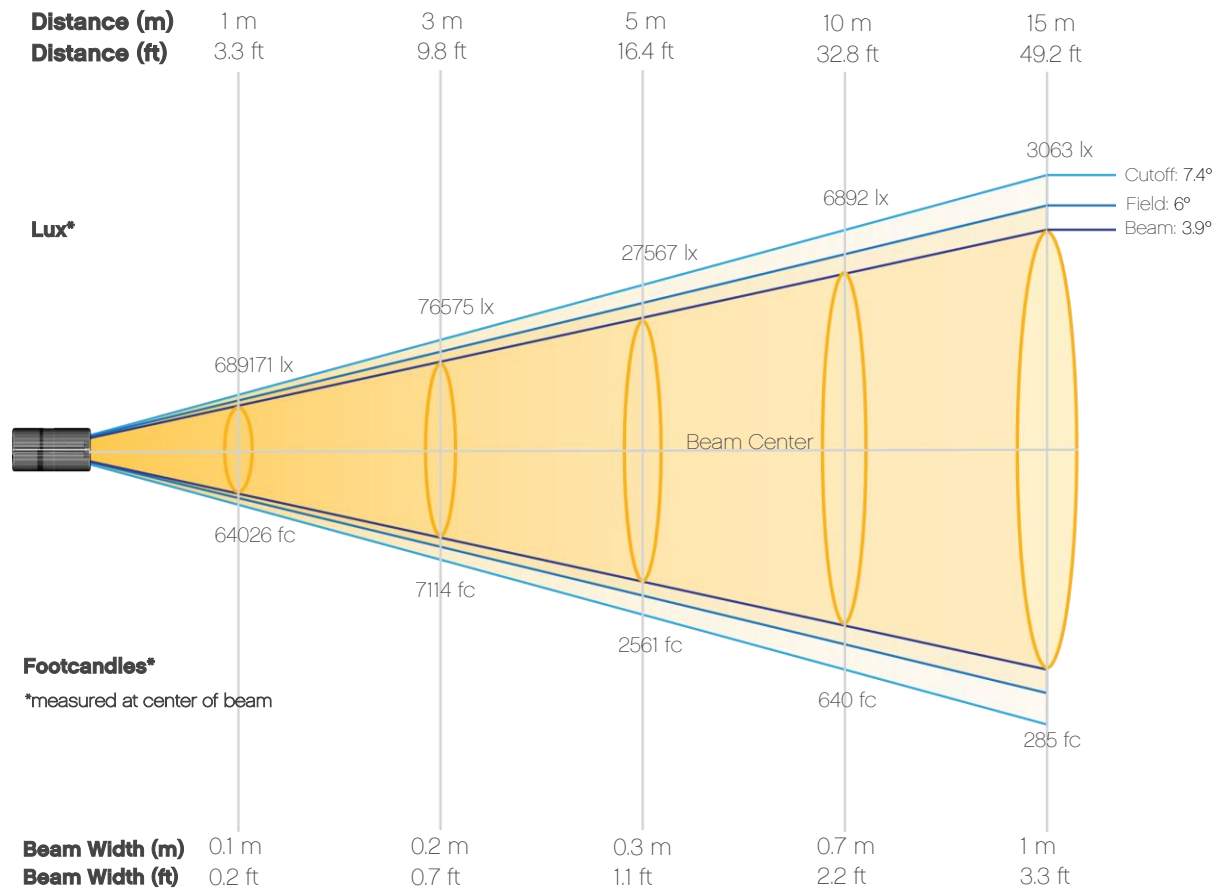
28415 K



Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Full Power

Beam Details

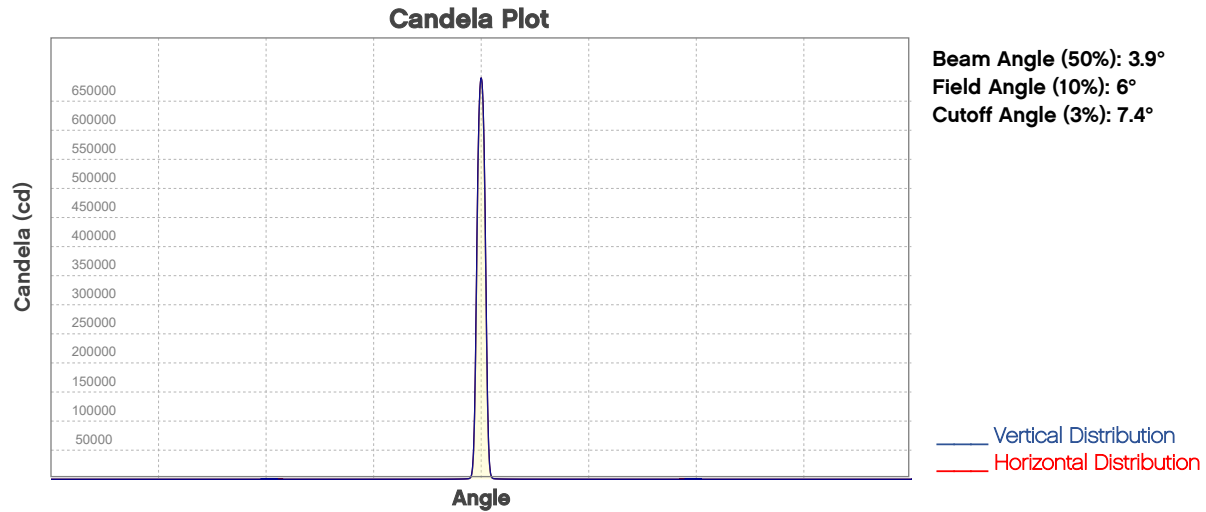


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	689171	172293	76575	43073	27567	19144	14065	10768	8508	6892
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	5696	4786	4078	3516	3063	2692	2385	2127	1909	1723
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	64026	16007	7114	4002	2561	1779	1307	1000	790	640
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	529	445	379	327	285	250	222	198	177	160

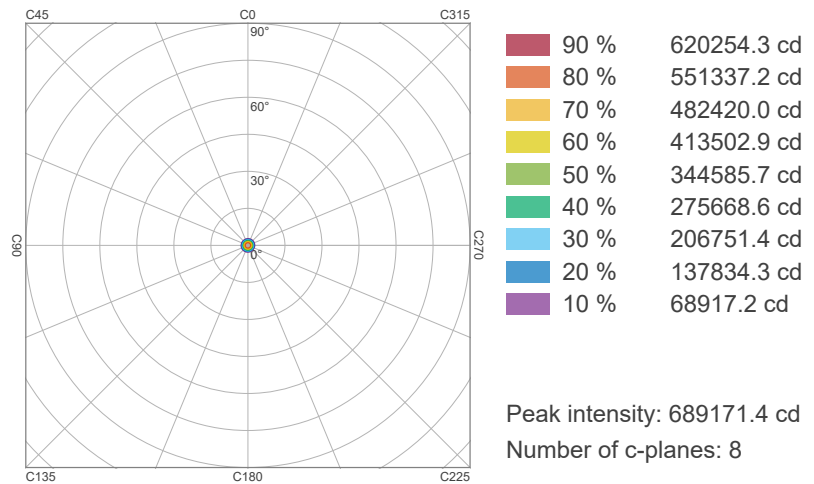
Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Full Power

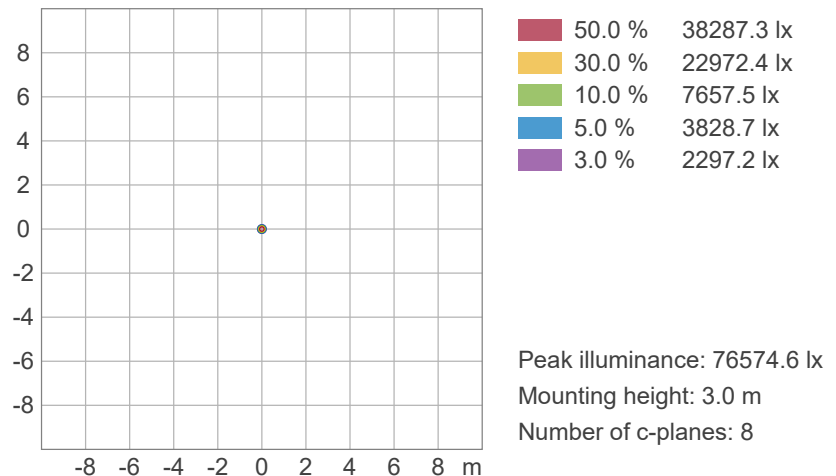


ISO Diagrams

ISO Candela Diagram

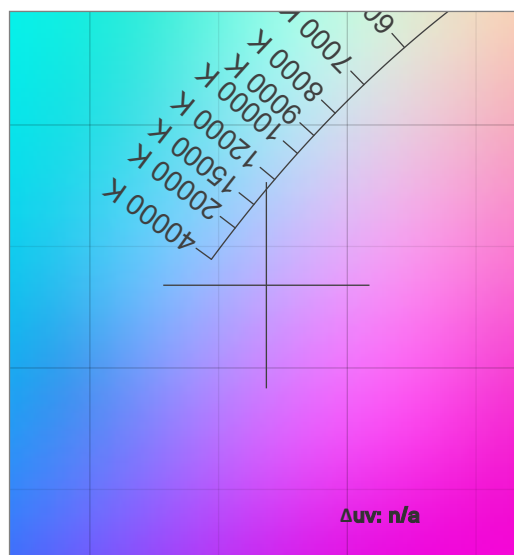
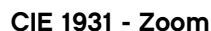


ISO Lux Diagram



COLORado 3 QZL: Full Spot - Full Power

CIE 1931



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

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
28415 K	0.269	0.234

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.234	0.204

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
66	0.0	0.0

Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Full Power

TM-30 Details

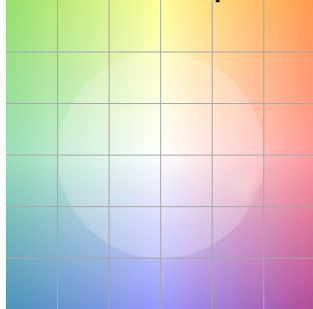
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

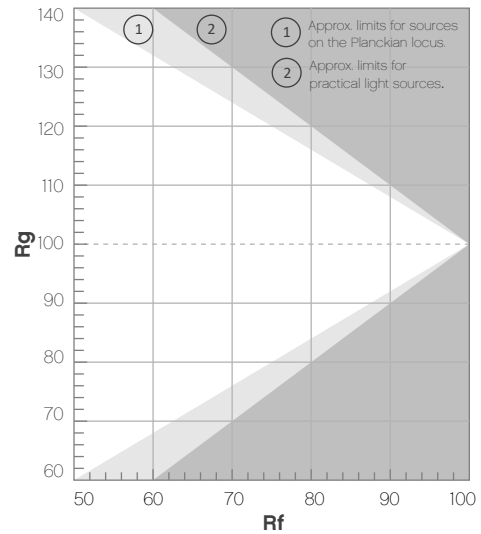
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Red Only

Report Summary

Measurements

Fixture Output: 562 lm
Fixture Peak: 111694 cd
Fixture Efficacy: 9 lm/W
Intensity @ 5m: 4466 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%): 3.9°
Field Angle (10%): 6.2°
Cutoff Angle (3%): 7.5°

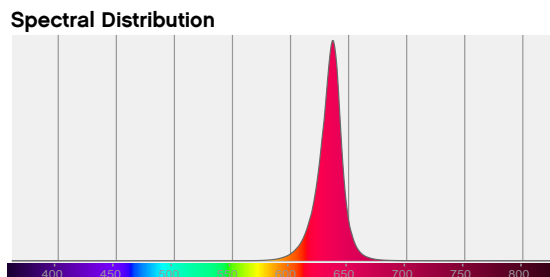
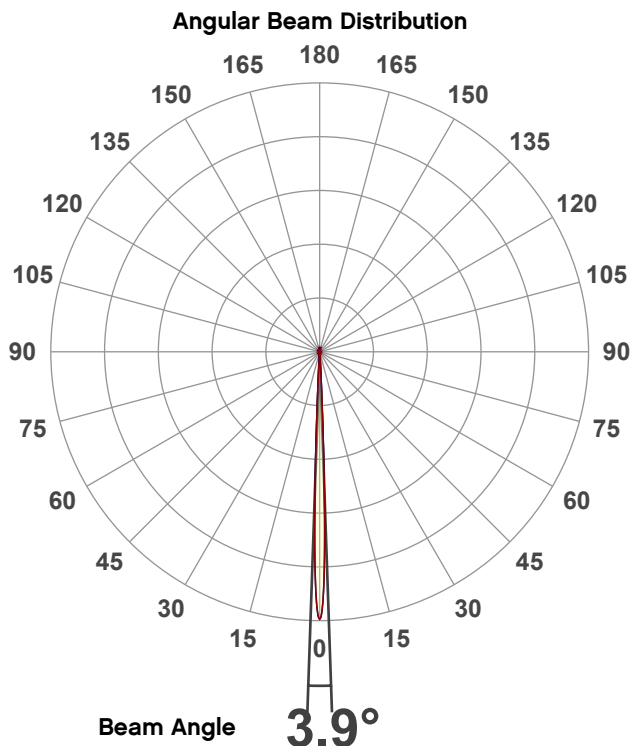


Conditions

AC Supply: 117 V, 60.1 Hz
Power: 62.38 W
Current: 0.531 A
Power Factor: 0.97

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.700

Y: 0.299



Light Quality

CRI: 0.0

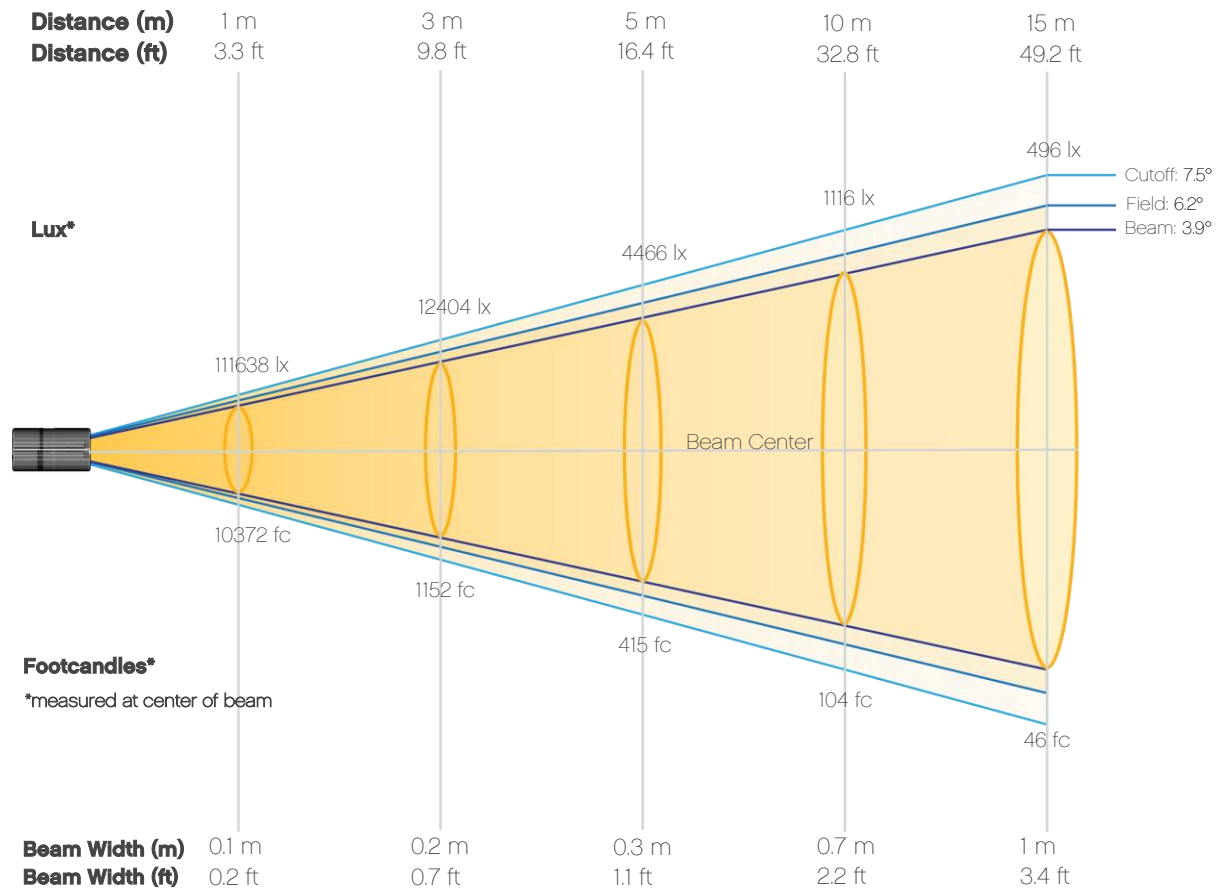
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Red Only

Beam Details

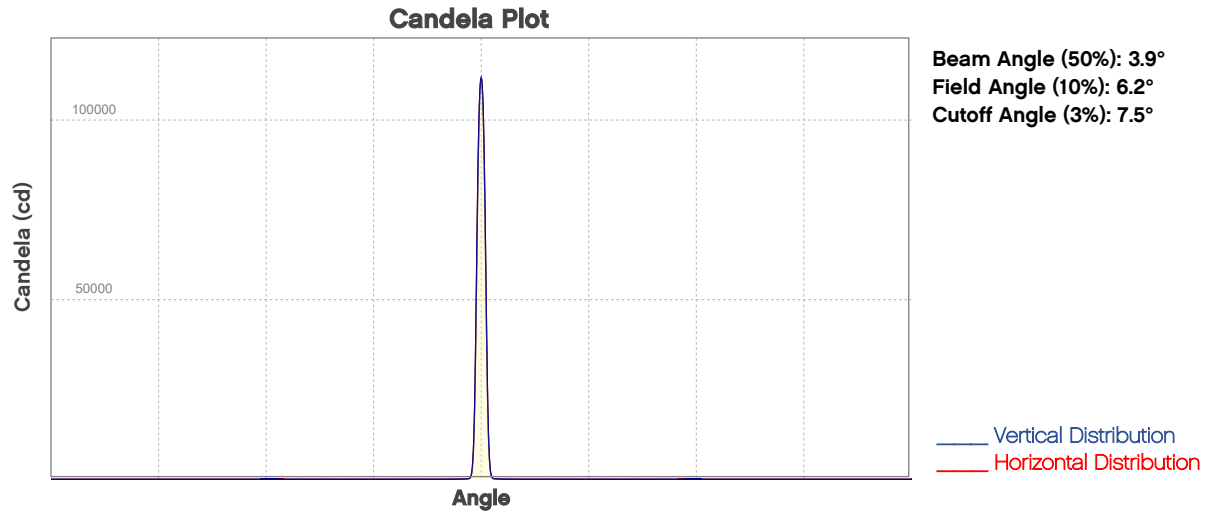


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	111638	27909	12404	6977	4466	3101	2278	1744	1378	1116
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	923	775	661	570	496	436	386	345	309	279
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	10372	2593	1152	648	415	288	212	162	128	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	61	53	46	41	36	32	29	26

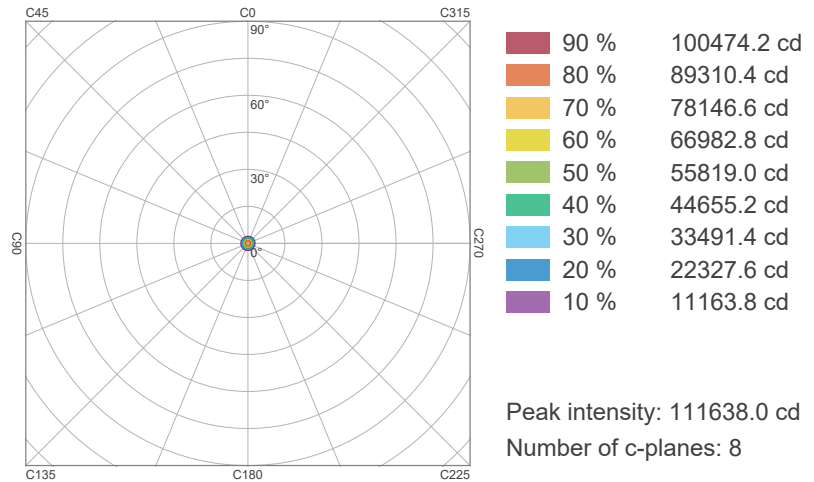
Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Red Only

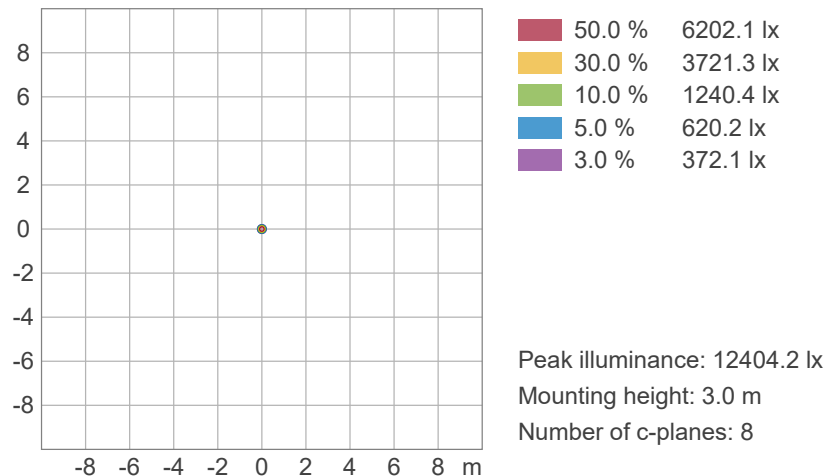


ISO Diagrams

ISO Candela Diagram

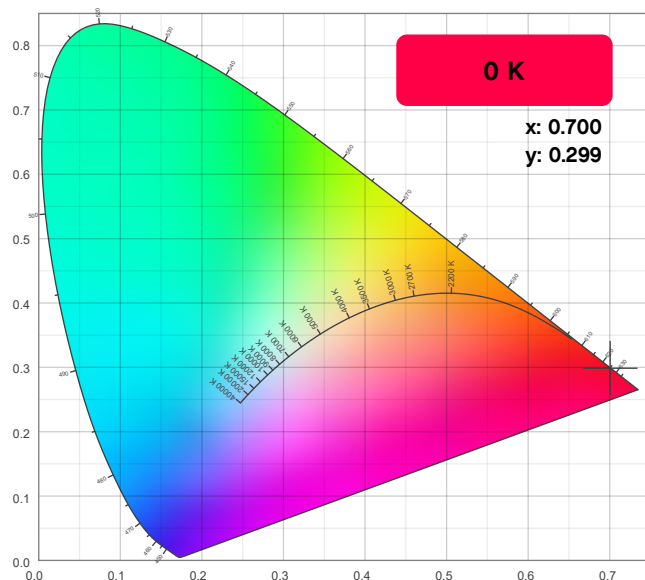


ISO Lux Diagram



COLORado 3 QZL: Full Spot - Red Only

CIE 1931



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

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

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.299	0.541

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

COLORado 3 QZL: Full Spot - Red Only

TM-30 Details

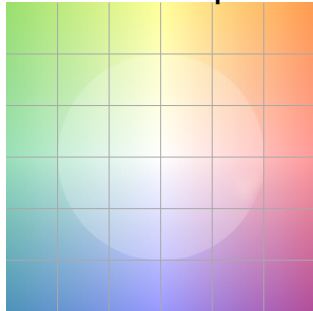
Rf 0.0

Fidelity Index
(Rg)

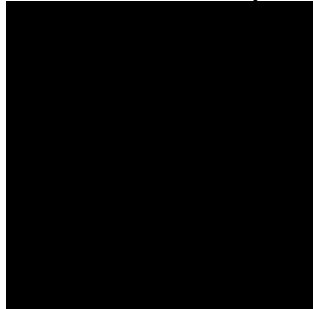
Rg 0.0

Gammut Index
(Rg)

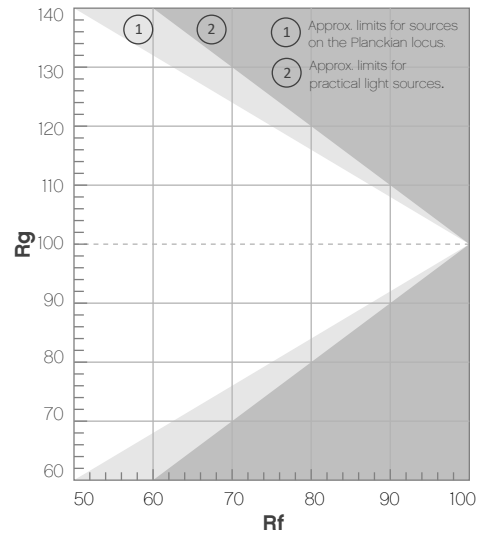
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Green Only

Report Summary

Measurements

Fixture Output: 1033 lm
Fixture Peak: 228390 cd
Fixture Efficacy: 15 lm/W
Intensity @ 5m: 9131 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%): 3.9°
Field Angle (10%): 6°
Cutoff Angle (3%): 7.3°

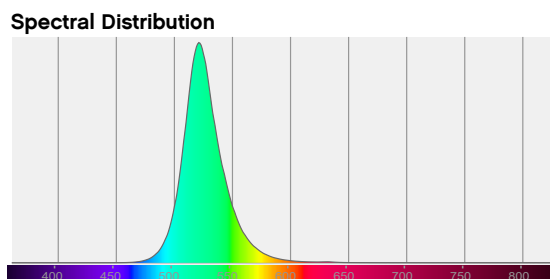
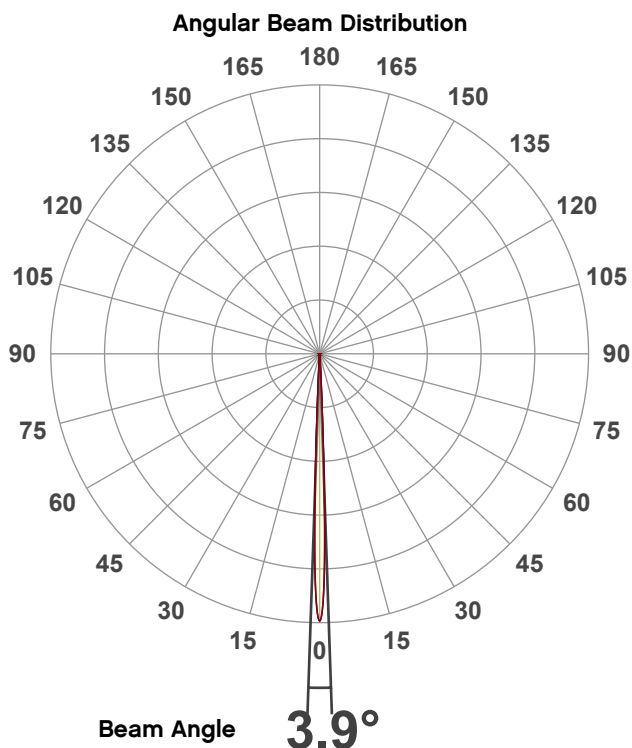


Conditions

AC Supply: 117 V, 60 Hz
Power: 72.1 W
Current: 0.618 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.174

Y: 0.731



Light Quality

CRI: 0.0

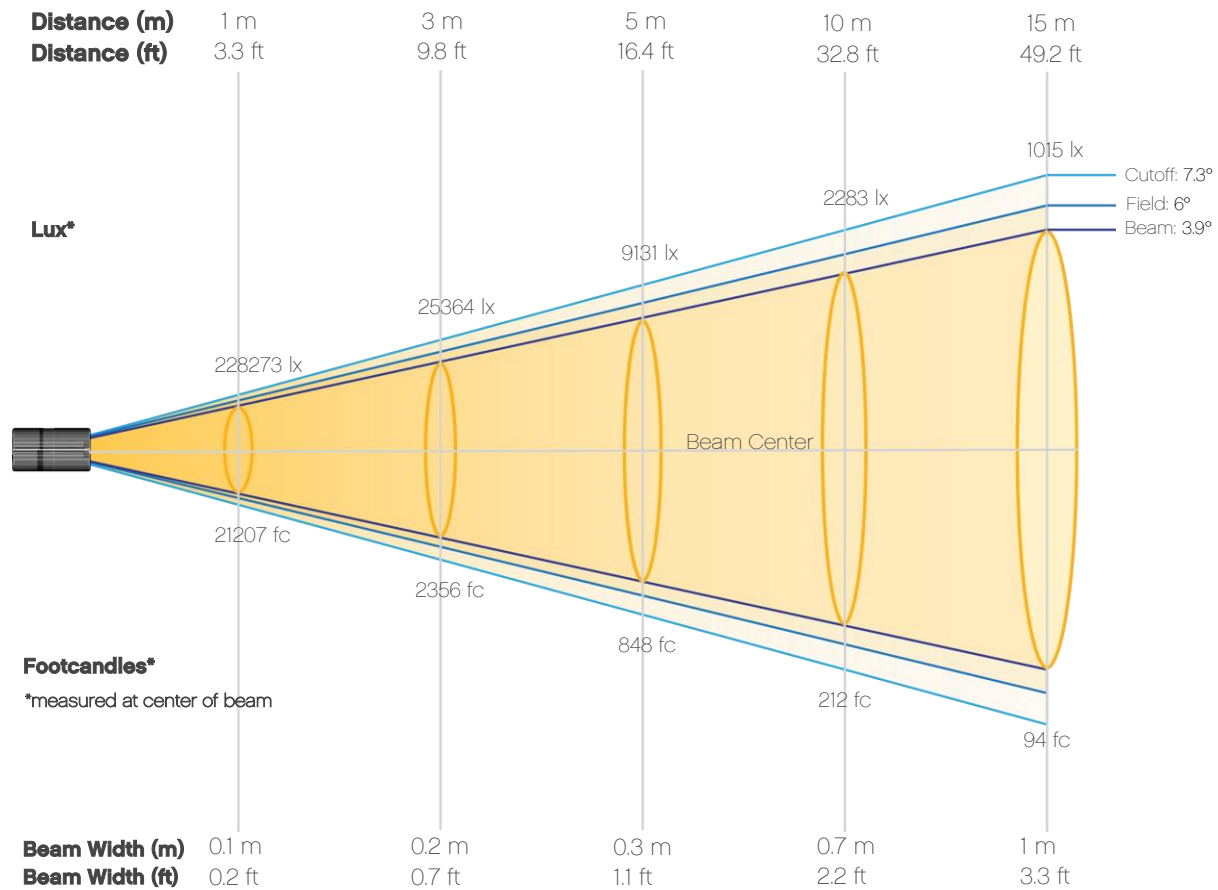
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Green Only

Beam Details

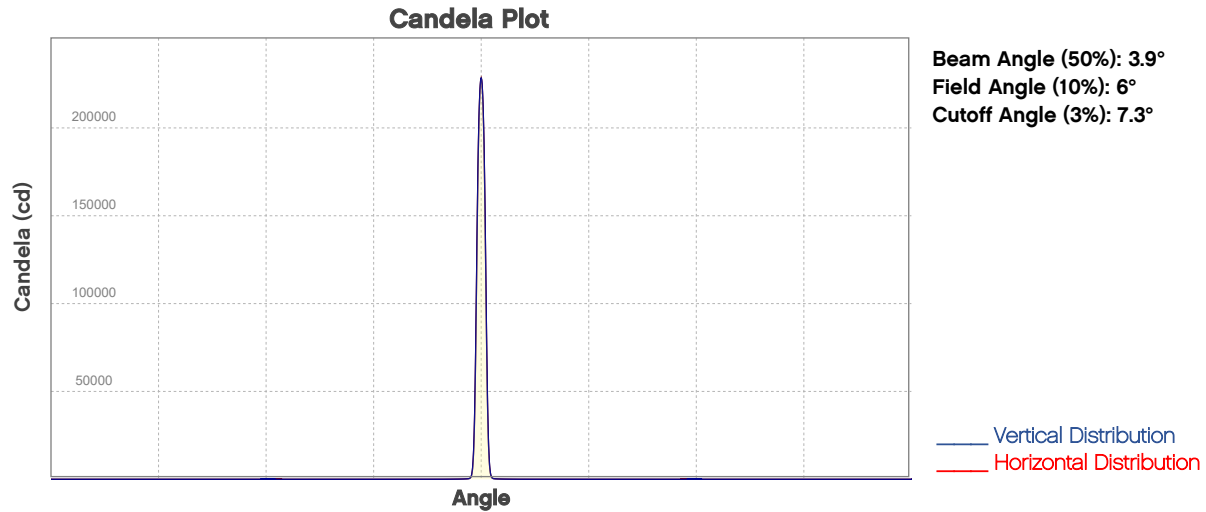


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	228273	57068	25364	14267	9131	6341	4659	3567	2818	2283
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1887	1585	1351	1165	1015	892	790	705	632	571
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	21207	5302	2356	1325	848	589	433	331	262	212
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	175	147	125	108	94	83	73	65	59	53

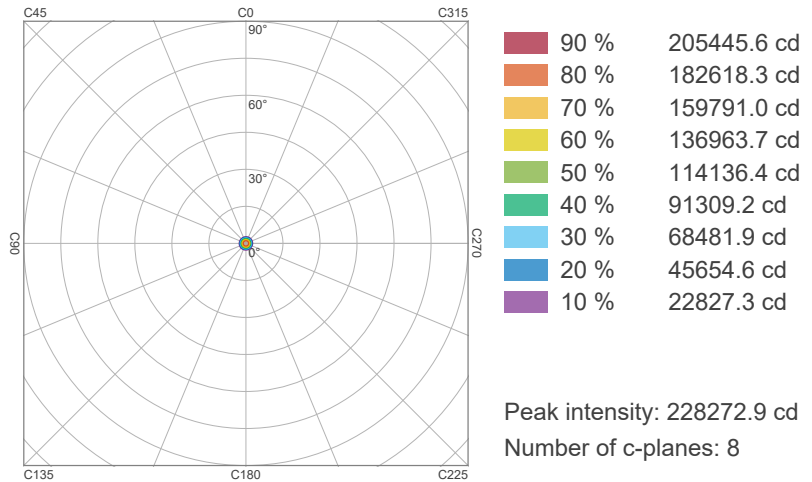
Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Green Only

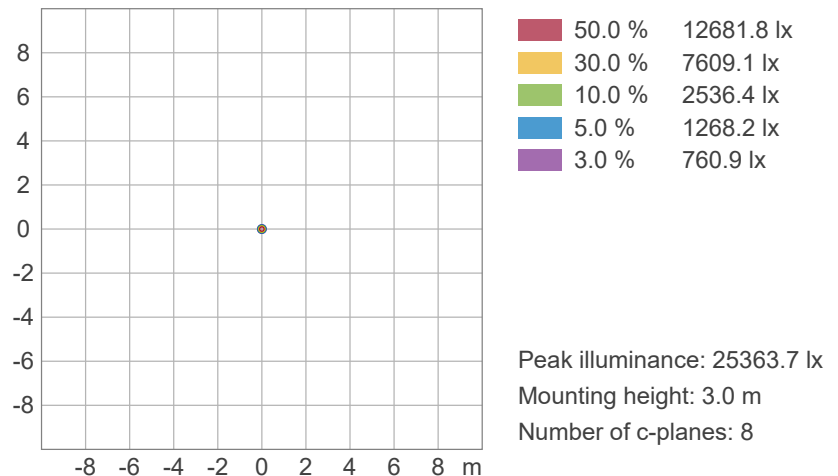


ISO Diagrams

ISO Candela Diagram



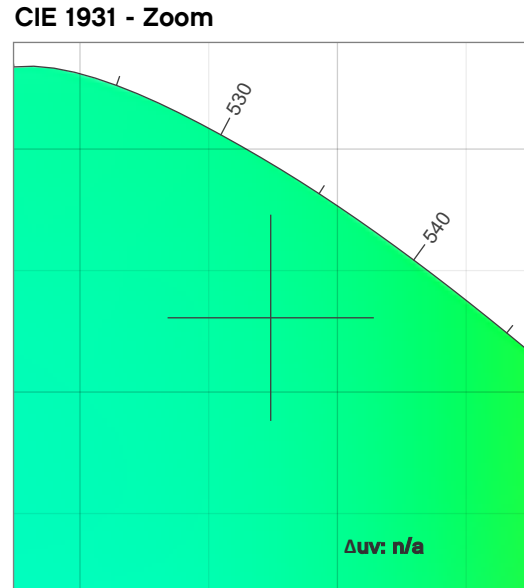
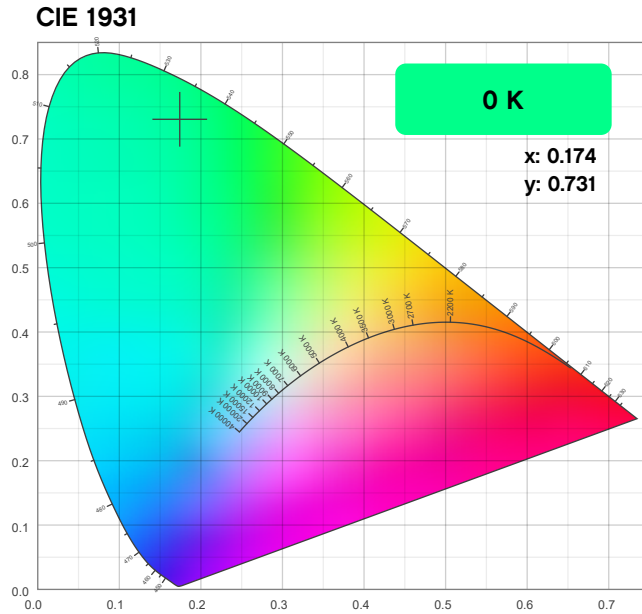
ISO Lux Diagram



Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Green Only

Chromaticity



CRI: 0.0 (R1-R8)

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

CQS: 0.0

d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13	d14	d15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.174	0.731

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.731	0.061

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

COLORado 3 QZL: Full Spot - Green Only

TM-30 Details

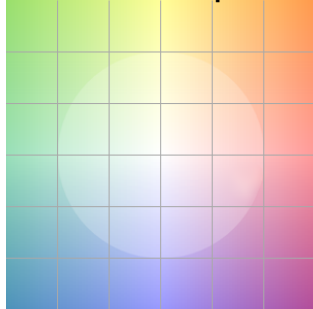
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

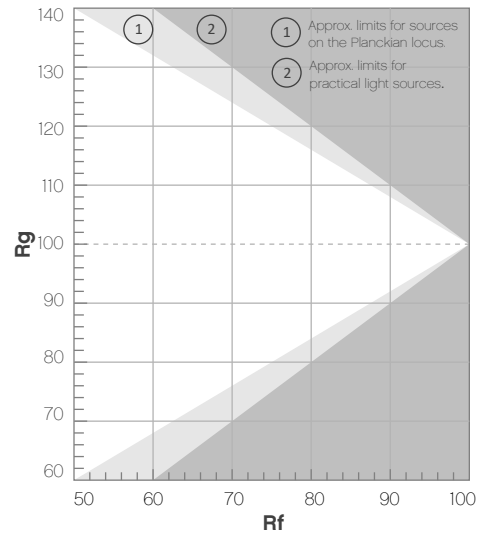
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Blue Only

Report Summary

Measurements

Fixture Output: 287 lm
Fixture Peak: 55372 cd
Fixture Efficacy: 4 lm/W
Intensity @ 5m: 2214 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%): 3.9°
Field Angle (10%): 5.9°
Cutoff Angle (3%): 7.1°

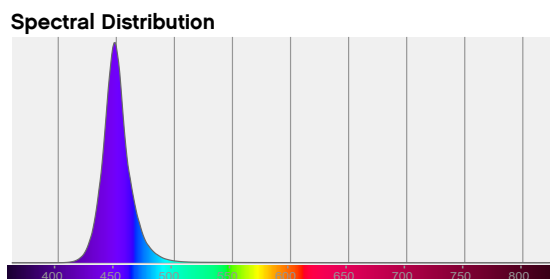
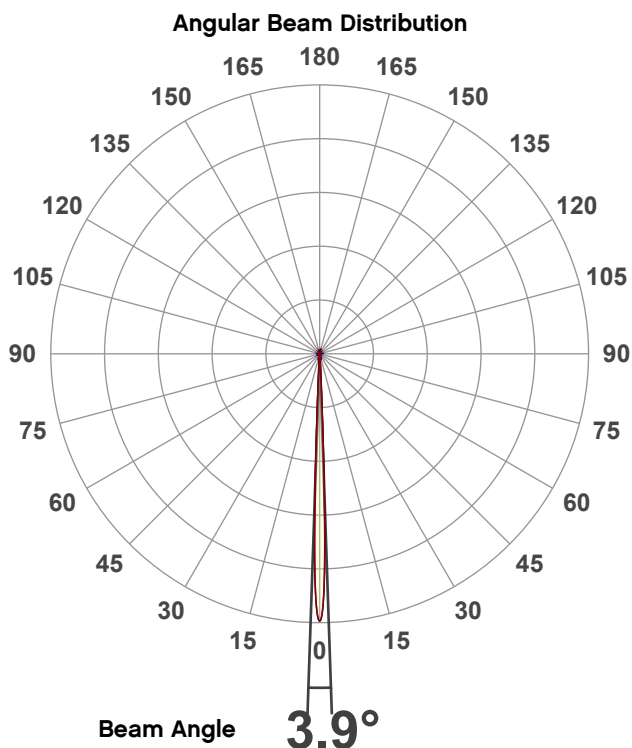


Conditions

AC Supply: 117 V, 60 Hz
Power: 81.25 W
Current: 0.696 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.155

Y: 0.026



Light Quality

CRI: 0.0

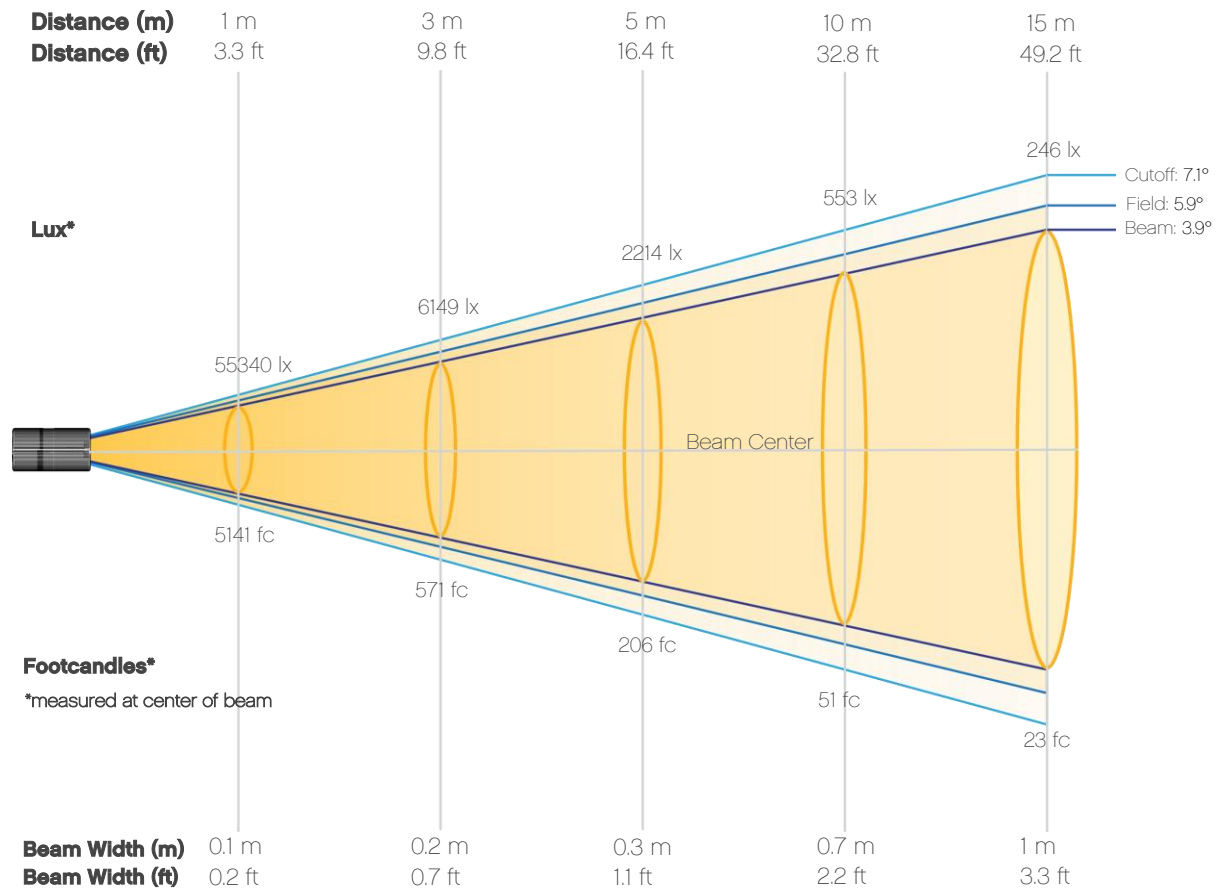
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Blue Only

Beam Details

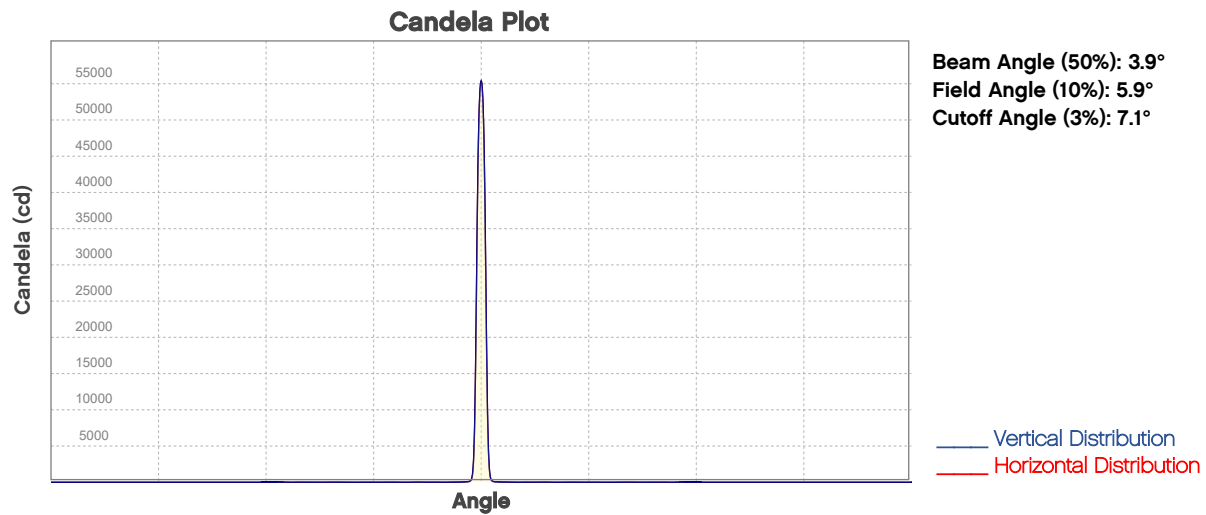


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	55340	13835	6149	3459	2214	1537	1129	865	683	553
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	457	384	327	282	246	216	191	171	153	138
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5141	1285	571	321	206	143	105	80	63	51
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	42	36	30	26	23	20	18	16	14	13

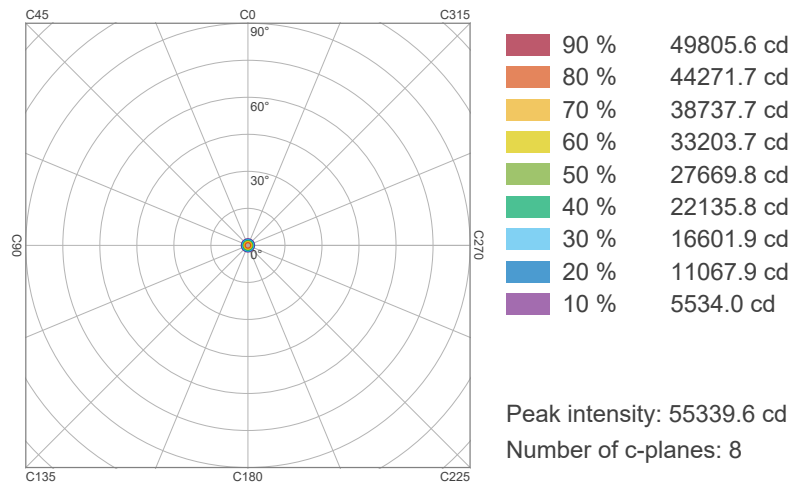
Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Blue Only

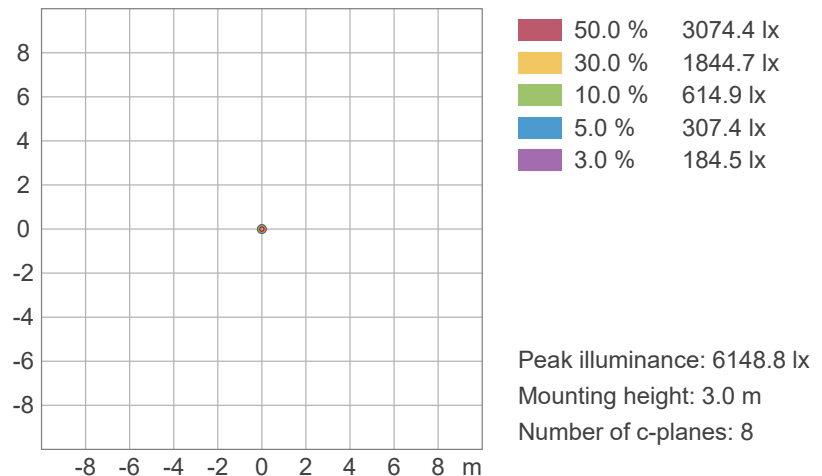


ISO Diagrams

ISO Candela Diagram

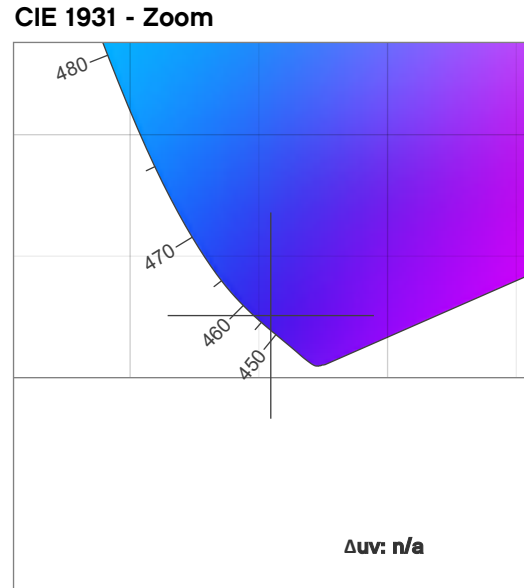
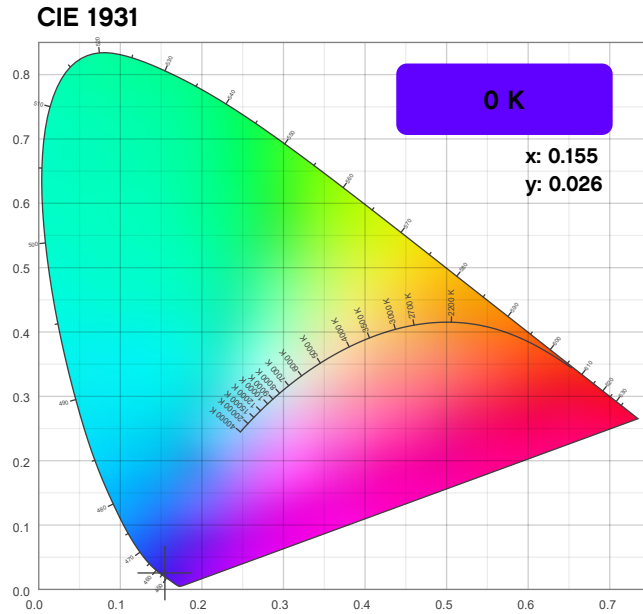


ISO Lux Diagram



COLORado 3 QZL: Full Spot - Blue Only

Chromaticity



CRI: 0.0 (R1-R8)

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

CQS: 0.0

q ₁	q ₂	q ₃	q ₄	q ₅	q ₆	q ₇	q ₈	q ₉	q ₁₀	q ₁₁	q ₁₂	q ₁₃	q ₁₄	q ₁₅					

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.155	0.026

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{uv}	y	u
n/a	0.026	0.206

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

COLORado 3 QZL: Full Spot - Blue Only

TM-30 Details

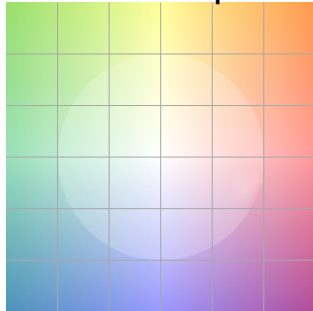
Rf 0.0

Fidelity Index
(Rg)

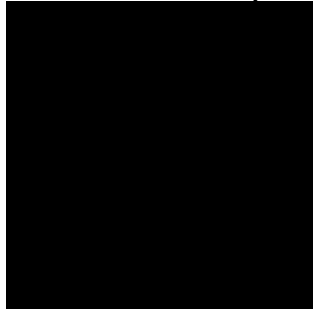
Rg 0.0

Gammut Index
(Rg)

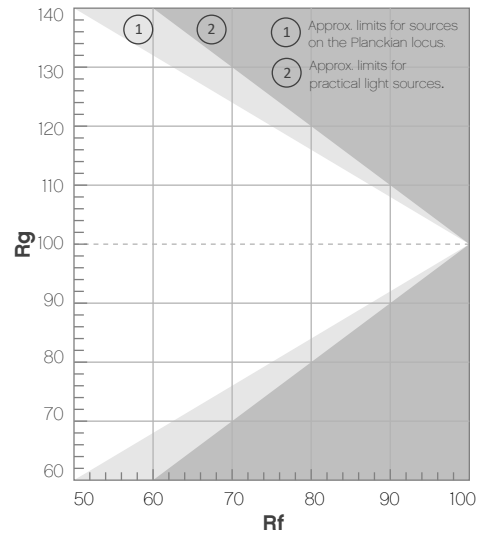
Color Vector Graphic



Color Distortion Graphic



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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Lime Only

Report Summary

Measurements

Fixture Output: 1617 lm
Fixture Peak: 347956 cd
Fixture Efficacy: 19 lm/W
Intensity @ 5m: 13915 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%): 3.9°
Field Angle (10%): 6.1°
Cutoff Angle (3%): 7.4°

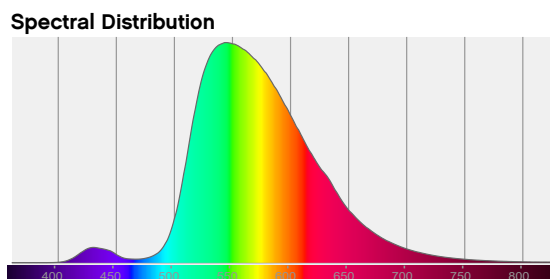
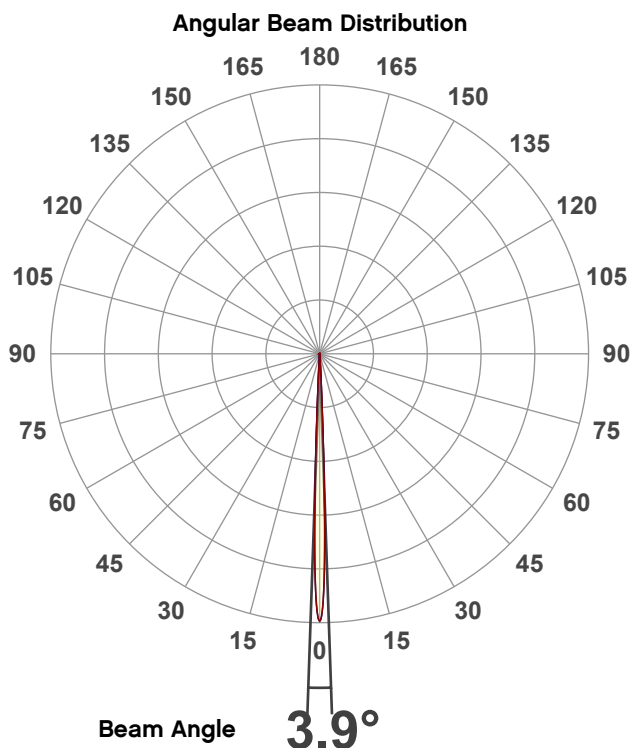


Conditions

AC Supply: 117 V, 60 Hz
Power: 86.4 W
Current: 0.740 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.415

Y: 0.538



Light Quality

CRI: 0.0

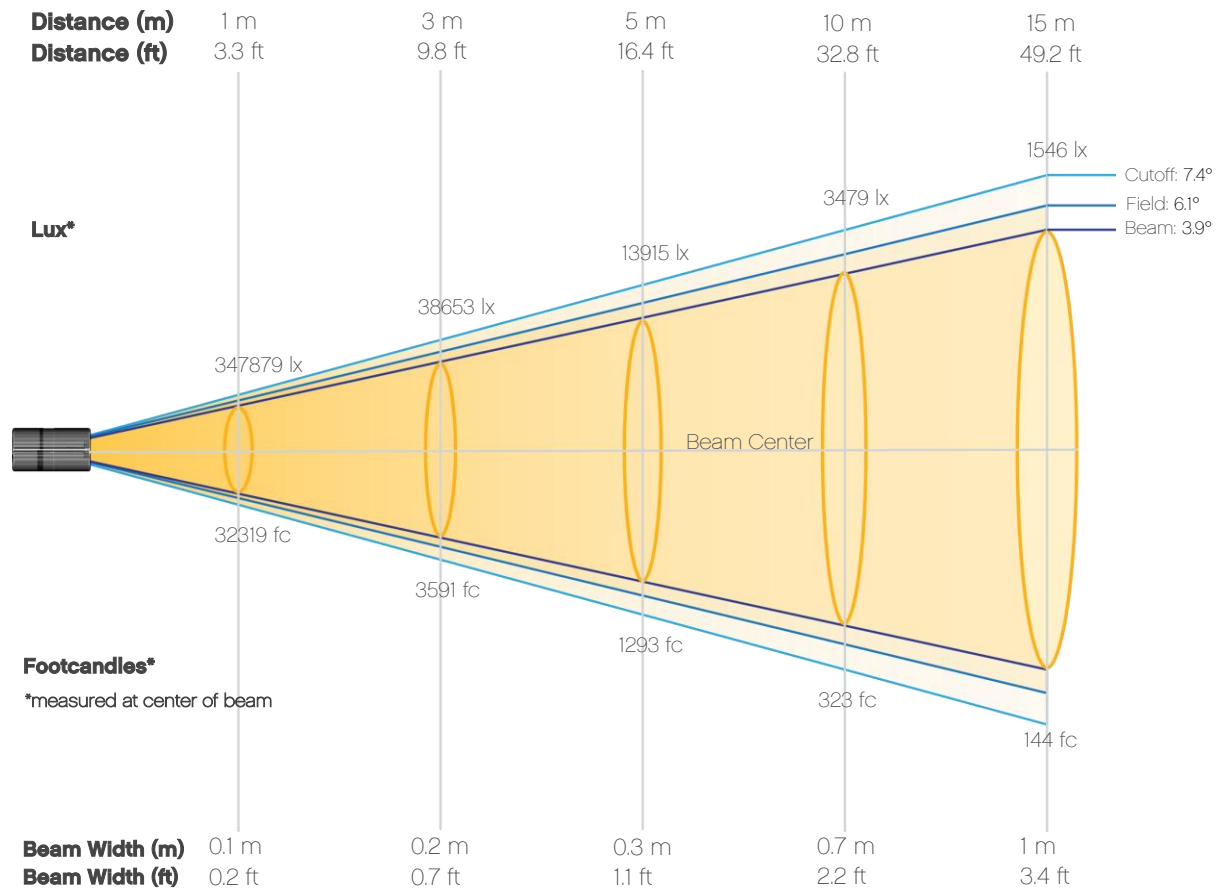
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Lime Only

Beam Details

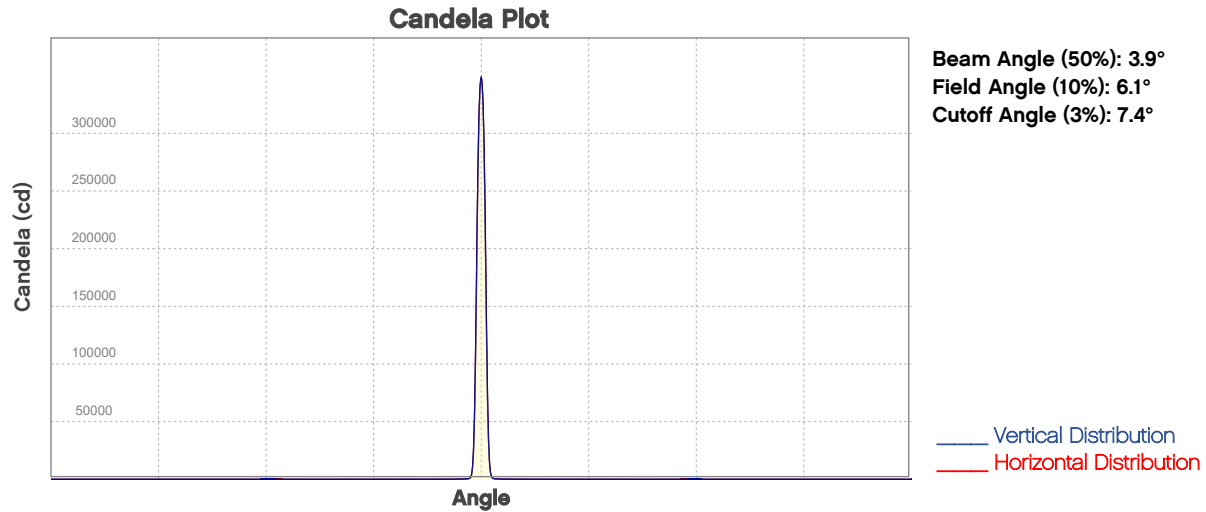


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	347879	86970	38653	21742	13915	9663	7100	5436	4295	3479
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2875	2416	2058	1775	1546	1359	1204	1074	964	870
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	32319	8080	3591	2020	1293	898	660	505	399	323
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	267	224	191	165	144	126	112	100	90	81

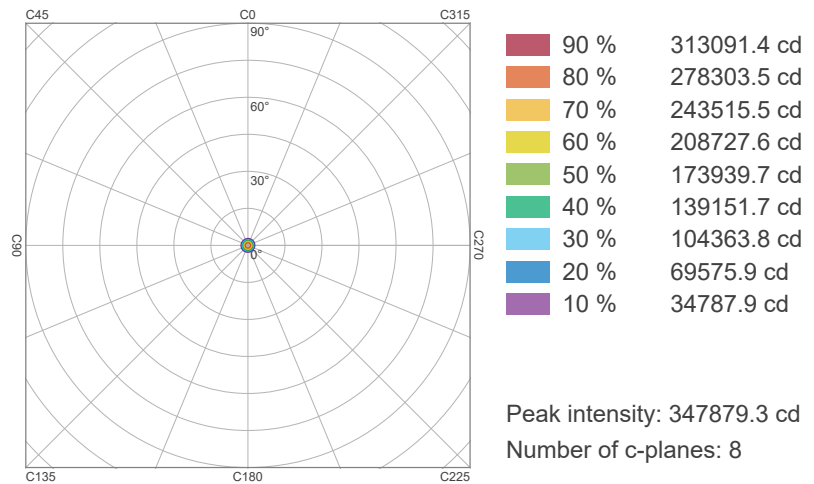
Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Lime Only

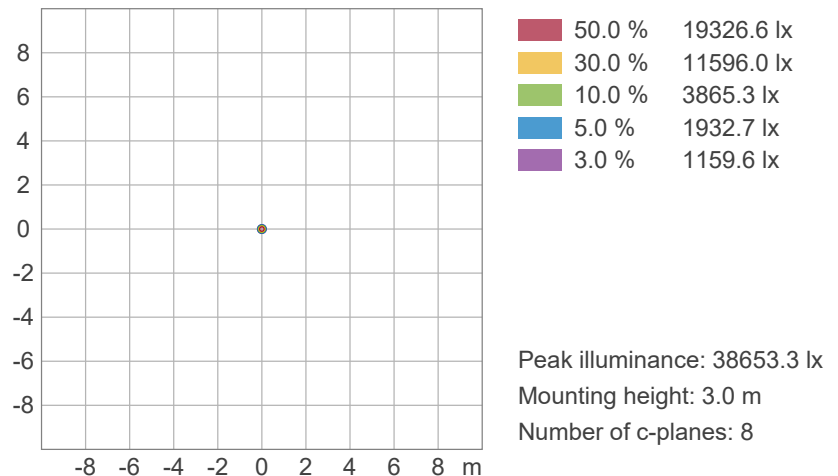


ISO Diagrams

ISO Candela Diagram



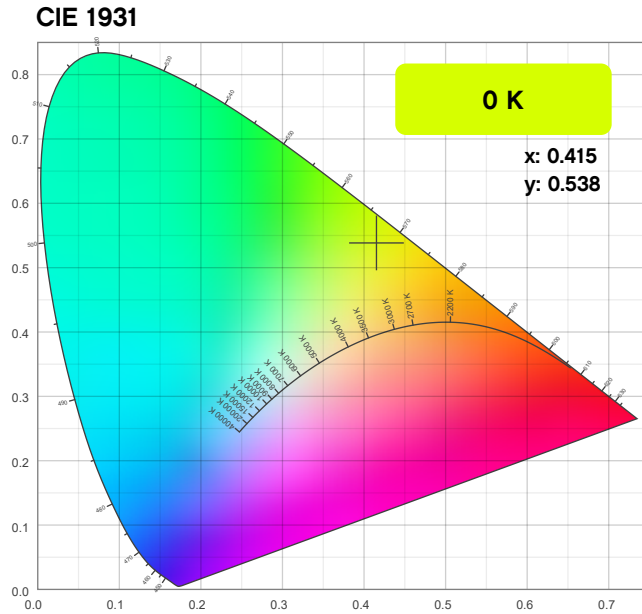
ISO Lux Diagram



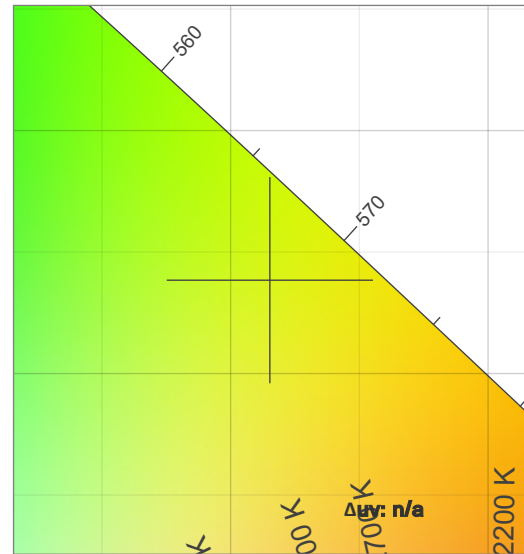
Photometric & Chromaticity Report

COLORado 3 QZL: Full Spot - Lime Only

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13	d14	d15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.415	0.538

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δu_v	y	u
n/a	0.538	0.192

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

COLORado 3 QZL: Full Spot - Lime Only

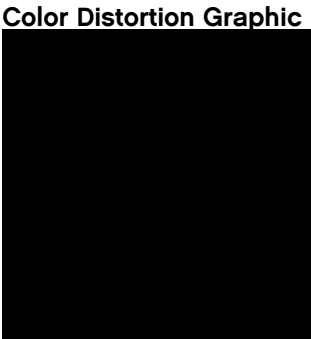
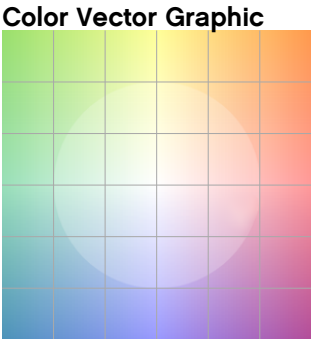
TM-30 Details

Rf 0.0

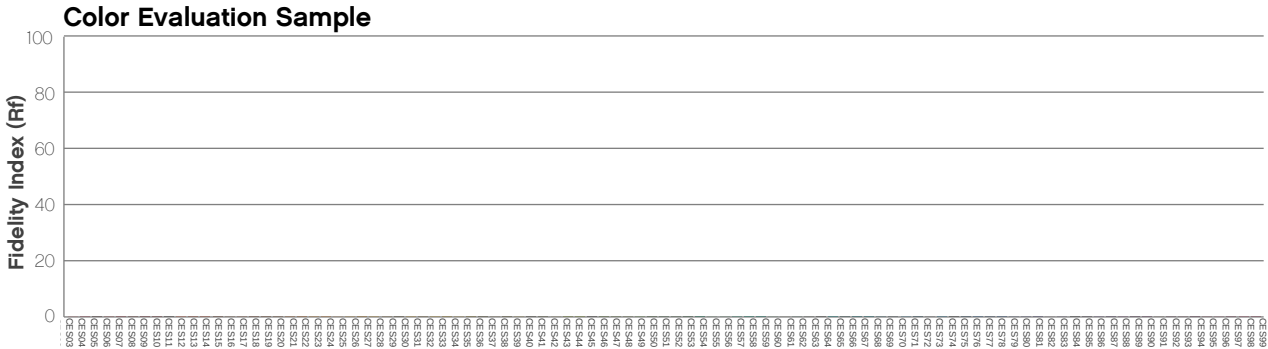
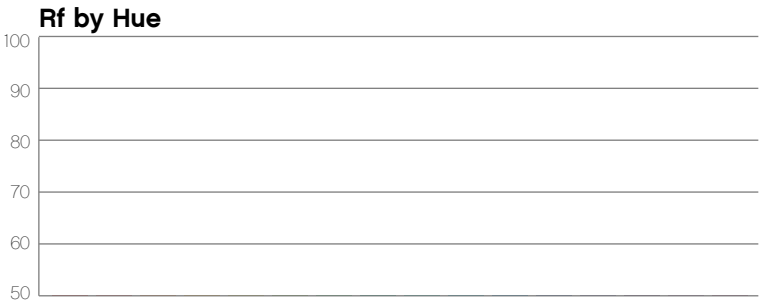
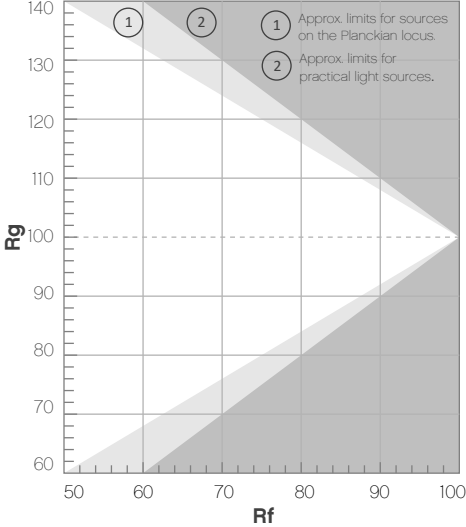
Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)



		Graphic shifts (%)	
Hue Bin	Rf	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%



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Full Power

Report Summary

Measurements

Fixture Output: 5013 lm
Fixture Peak: 55475 cd
Fixture Efficacy: 20 lm/W
Intensity @ 5m: 2219 lux
Color Temperature: 26025 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: 66
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 19.1°
Field Angle (10%): 24.1°
Cutoff Angle (3%): 26.3°

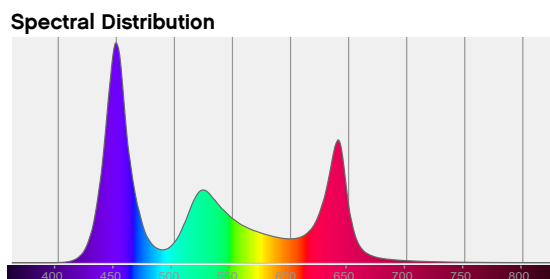
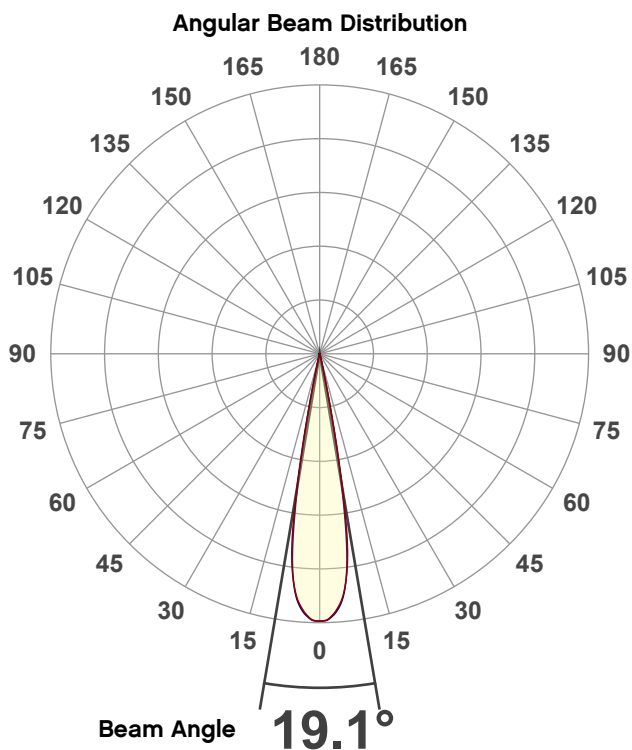


Conditions

AC Supply: 114 V, 60 Hz
Power: 258.56 W
Current: 2.27 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.269

Y: 0.236



Light Quality

CRI: 0.0

Color Temperature

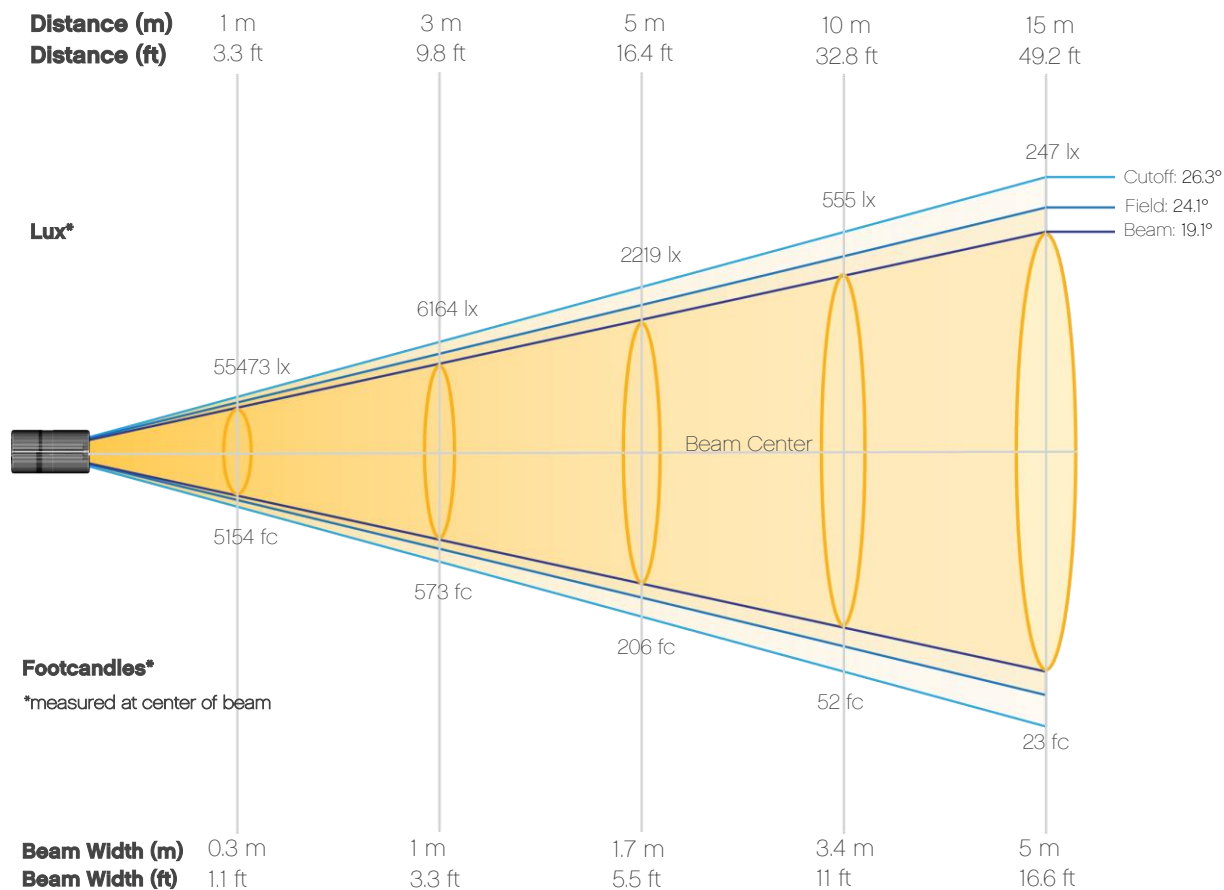
26025 K



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Full Power

Beam Details

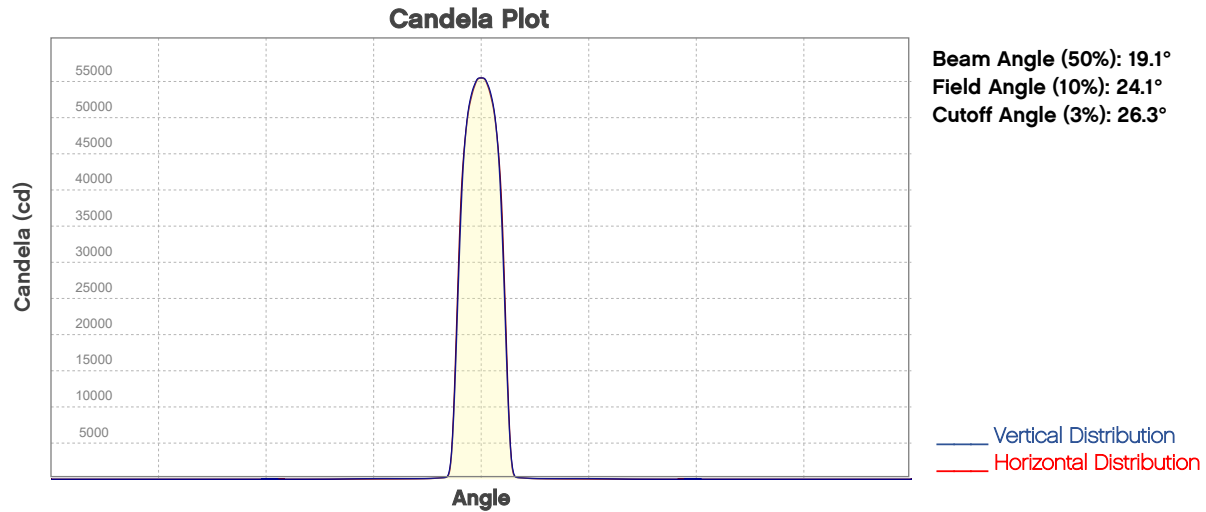


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	55473	13868	6164	3467	2219	1541	1132	867	685	555
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	458	385	328	283	247	217	192	171	154	139
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5154	1288	573	322	206	143	105	81	64	52
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	43	36	30	26	23	20	18	16	14	13

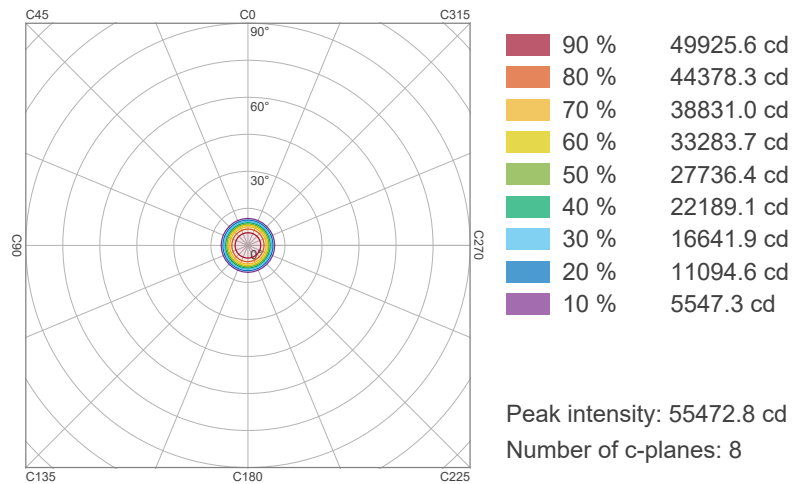
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Full Power

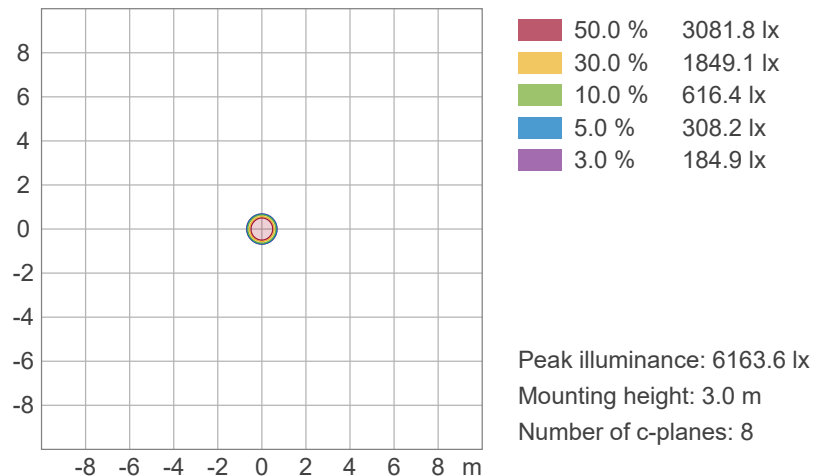


ISO Diagrams

ISO Candela Diagram

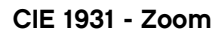


ISO Lux Diagram



COLORado 3 QZL: 50% Zoom - Full Power

CIE 1931



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Full Power

TM-30 Details

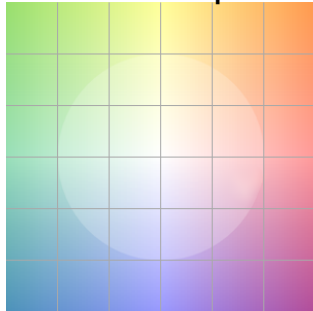
Rf 0.0

Fidelity Index
(Rg)

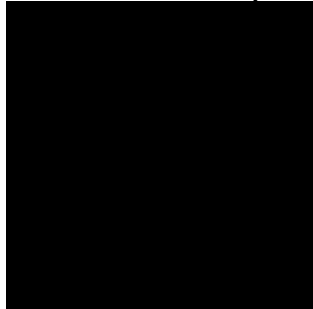
Rg 0.0

Gammut Index
(Rg)

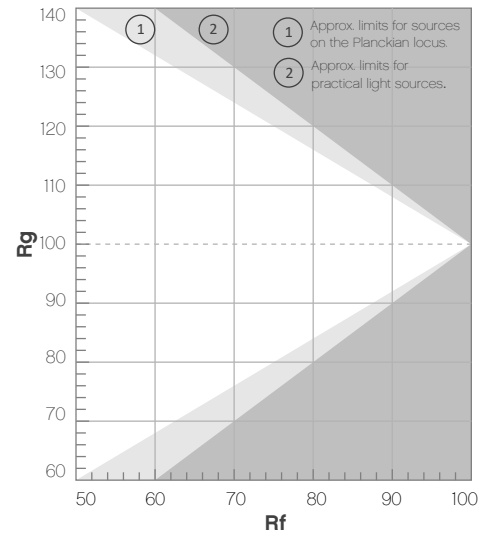
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Red Only

Report Summary

Measurements

Fixture Output: 864 lm
Fixture Peak: 9399 cd
Fixture Efficacy: 14 lm/W
Intensity @ 5m: 374 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%): 19.3°
Field Angle (10%): 24.3°
Cutoff Angle (3%): 26.5°

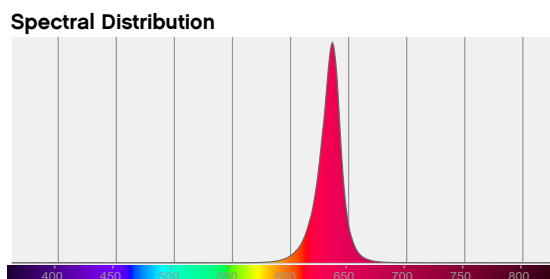
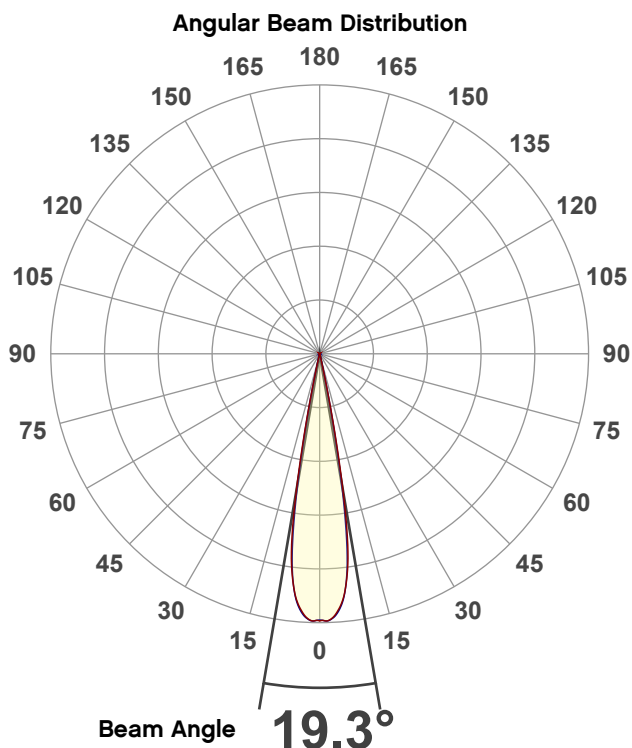


Conditions

AC Supply: 117 V, 60 Hz
Power: 63.28 W
Current: 0.540 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.700

Y: 0.299



Light Quality

CRI: 0.0

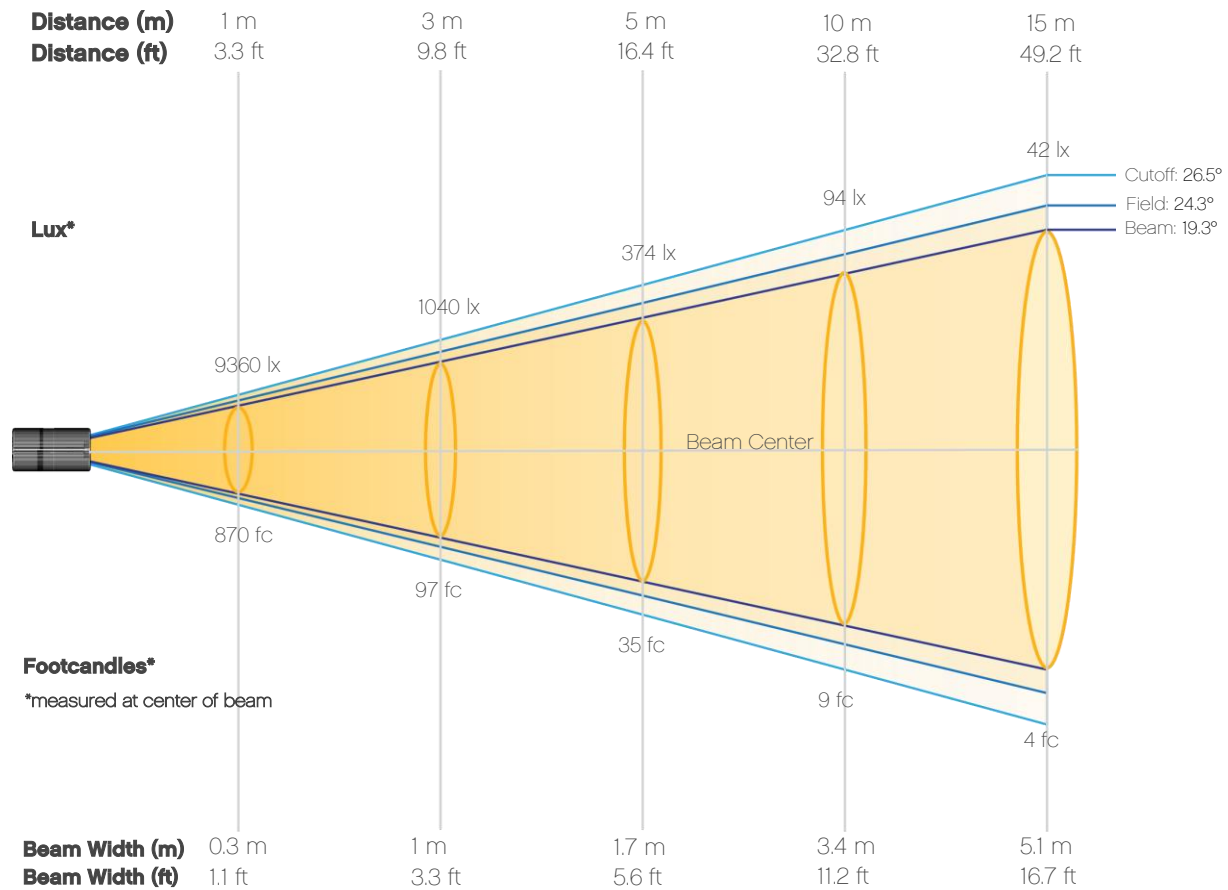
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Red Only

Beam Details

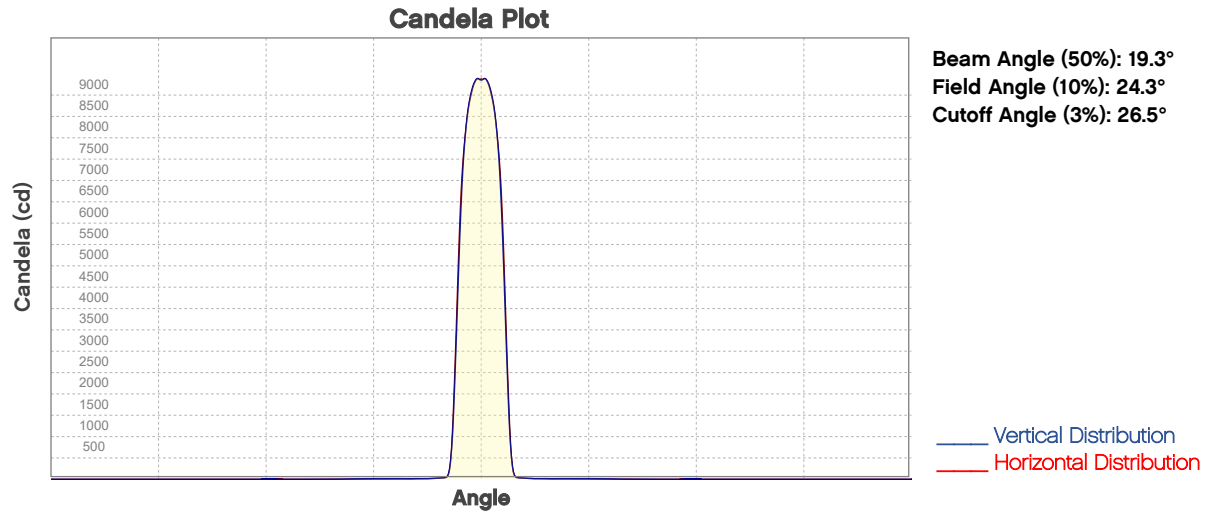


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	9360	2340	1040	585	374	260	191	146	116	94
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	77	65	55	48	42	37	32	29	26	23
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	870	217	97	54	35	24	18	14	11	9
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	7	6	5	4	4	3	3	3	2	2

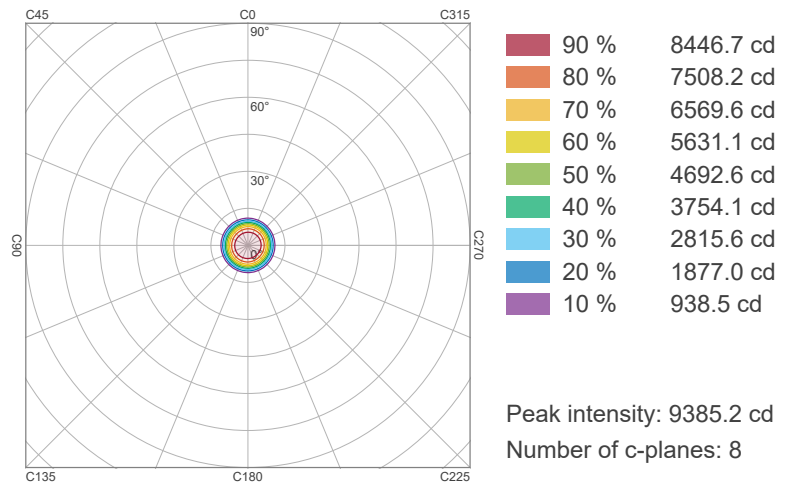
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Red Only

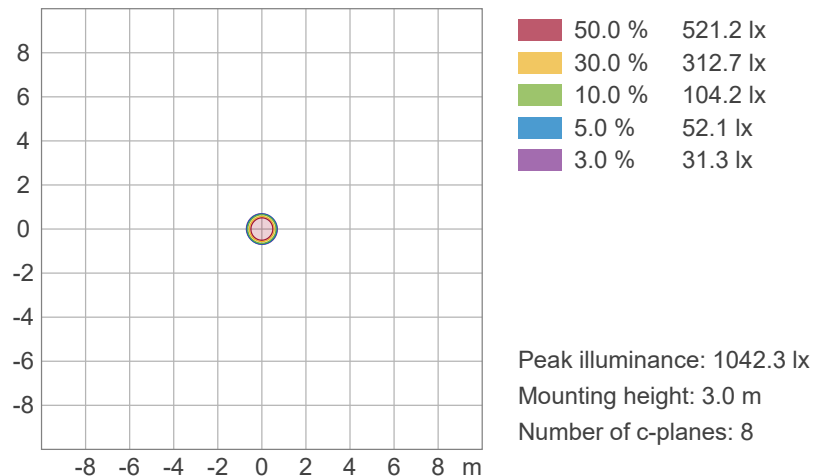


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram



COLORado 3 QZL: 50% Zoom - Red Only

CIE 1931



x: 0.700

y: 0.299

Δuv: n/a

Δυν: n/a

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

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

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.299	0.540

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

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

Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Red Only

TM-30 Details

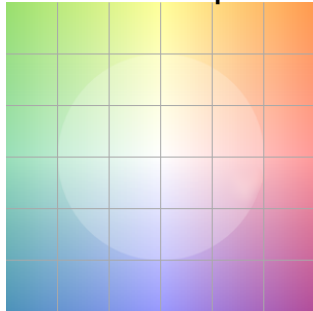
Rf 0.0

Fidelity Index
(Rg)

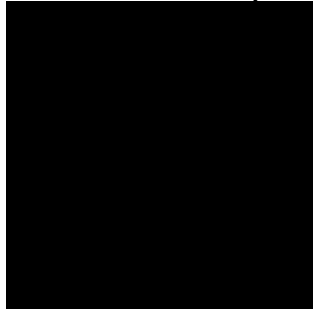
Rg 0.0

Gammut Index
(Rg)

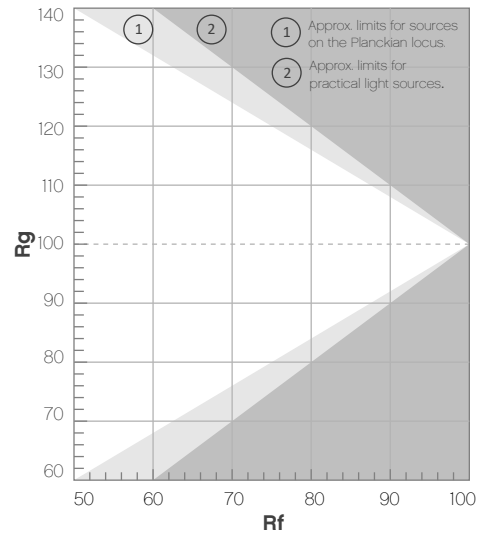
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Green Only

Report Summary

Measurements

Fixture Output: 1644 lm
Fixture Peak: 19316 cd
Fixture Efficacy: 23 lm/W
Intensity @ 5m: 771 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 18.6°
Field Angle (10%): 23.8°
Cutoff Angle (3%): 26.1°

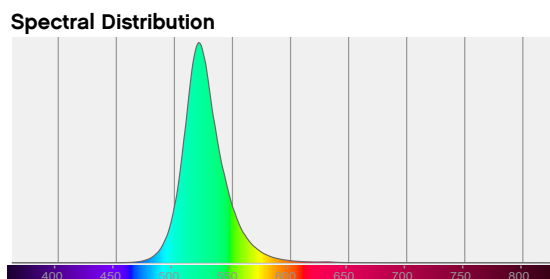
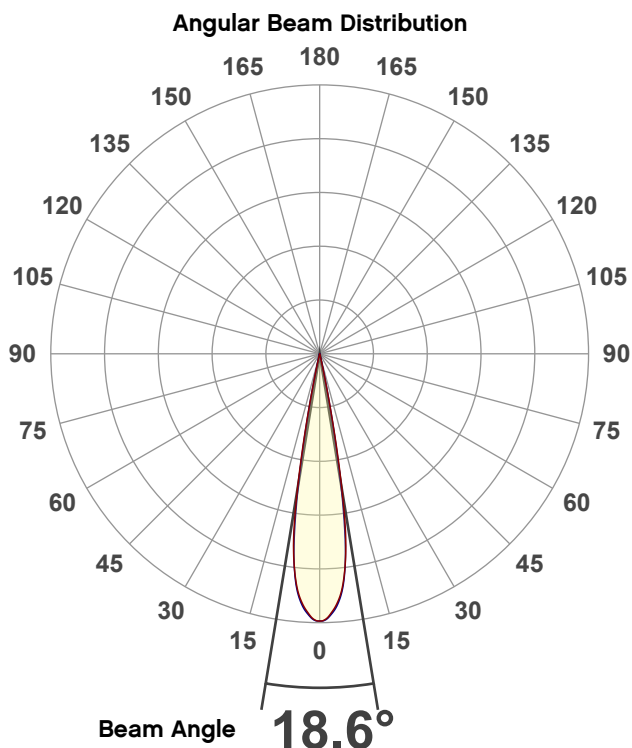


Conditions

AC Supply: 117 V, 60 Hz
Power: 72.39 W
Current: 0.619 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.174

Y: 0.731



Light Quality

CRI: 0.0

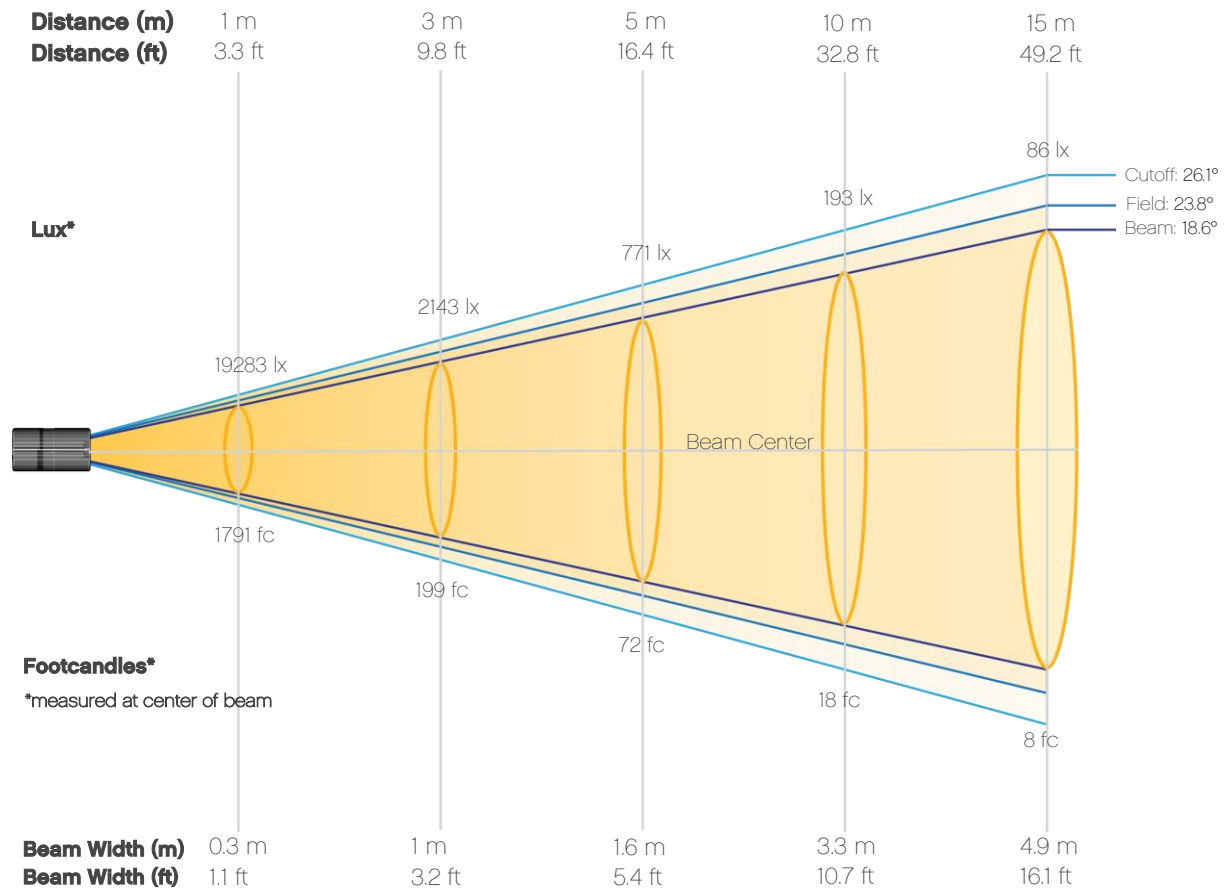
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Green Only

Beam Details

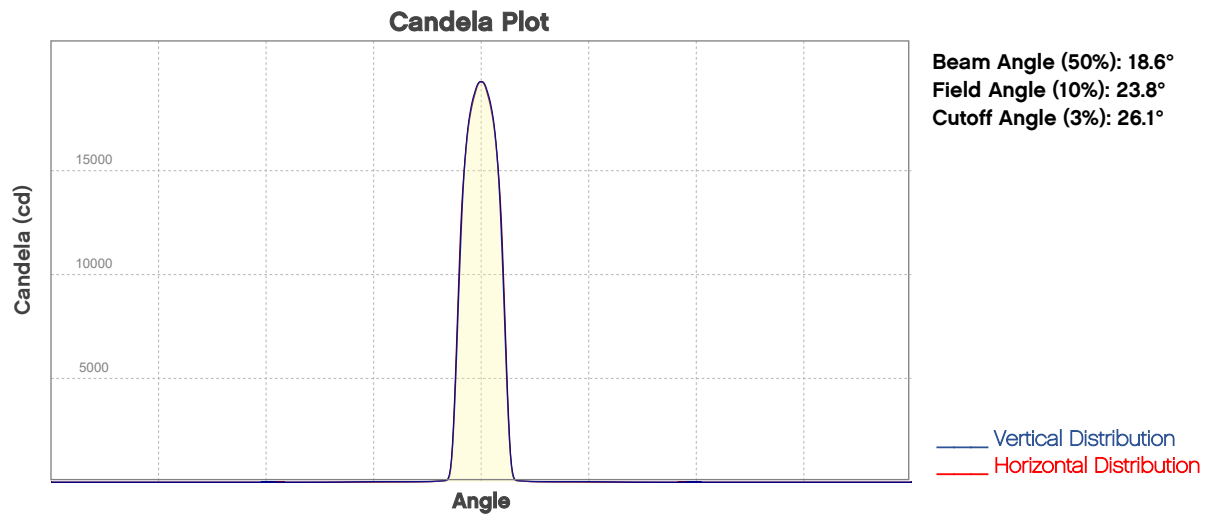


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	19283	4821	2143	1205	771	536	394	301	238	193
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	159	134	114	98	86	75	67	60	53	48
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1791	448	199	112	72	50	37	28	22	18
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	15	12	11	9	8	7	6	6	5	4

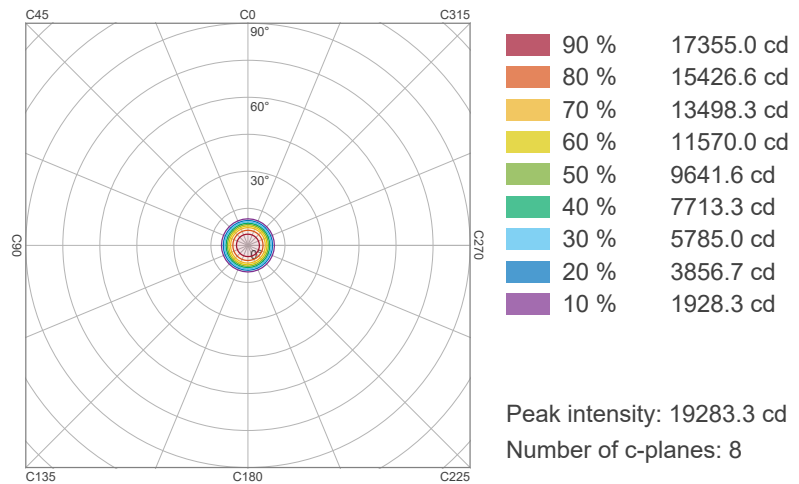
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Green Only

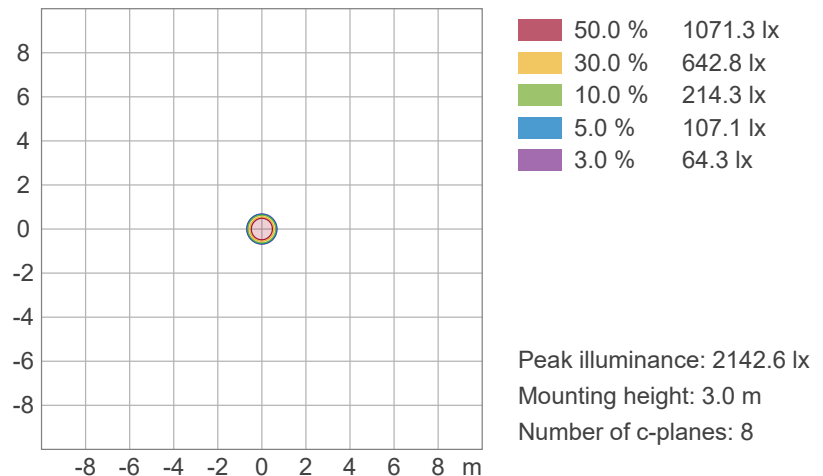


ISO Diagrams

ISO Candela Diagram



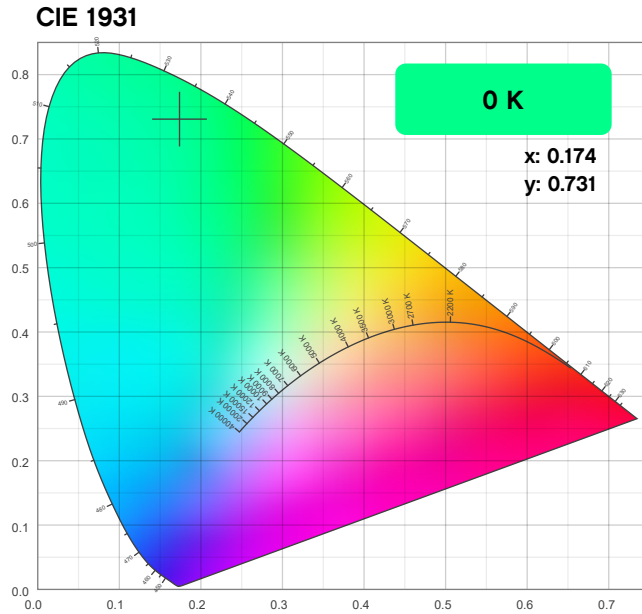
ISO Lux Diagram



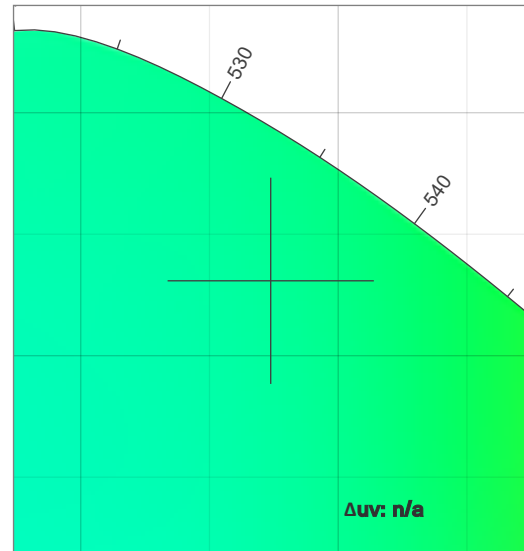
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Green Only

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

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	0.174	0.731

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.731	0.061

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

COLORado 3 QZL: 50% Zoom - Green Only

TM-30 Details

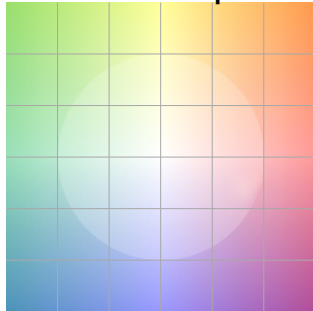
Rf 0.0

Fidelity Index
(Rg)

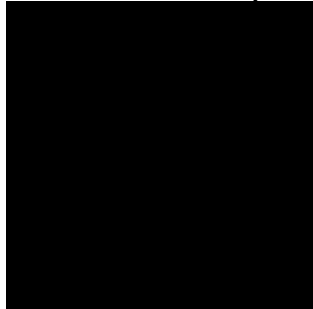
Rg 0.0

Gammut Index
(Rg)

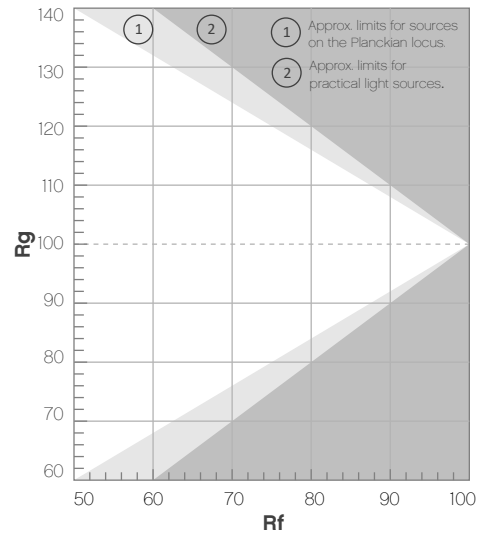
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Blue Only

Report Summary

Measurements

Fixture Output: 394 lm
Fixture Peak: 4563 cd
Fixture Efficacy: 5 lm/W
Intensity @ 5m: 182 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 18.6°
Field Angle (10%): 23.5°
Cutoff Angle (3%): 25.8°

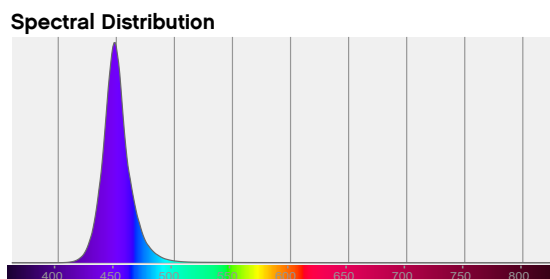
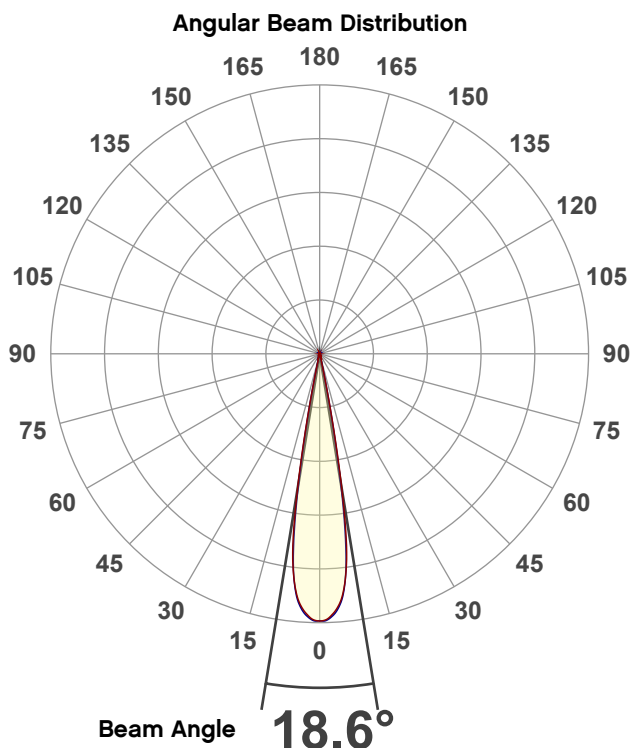


Conditions

AC Supply: 117 V, 60 Hz
Power: 81.59 W
Current: 0.700 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.155

Y: 0.025



Light Quality

CRI: 0.0

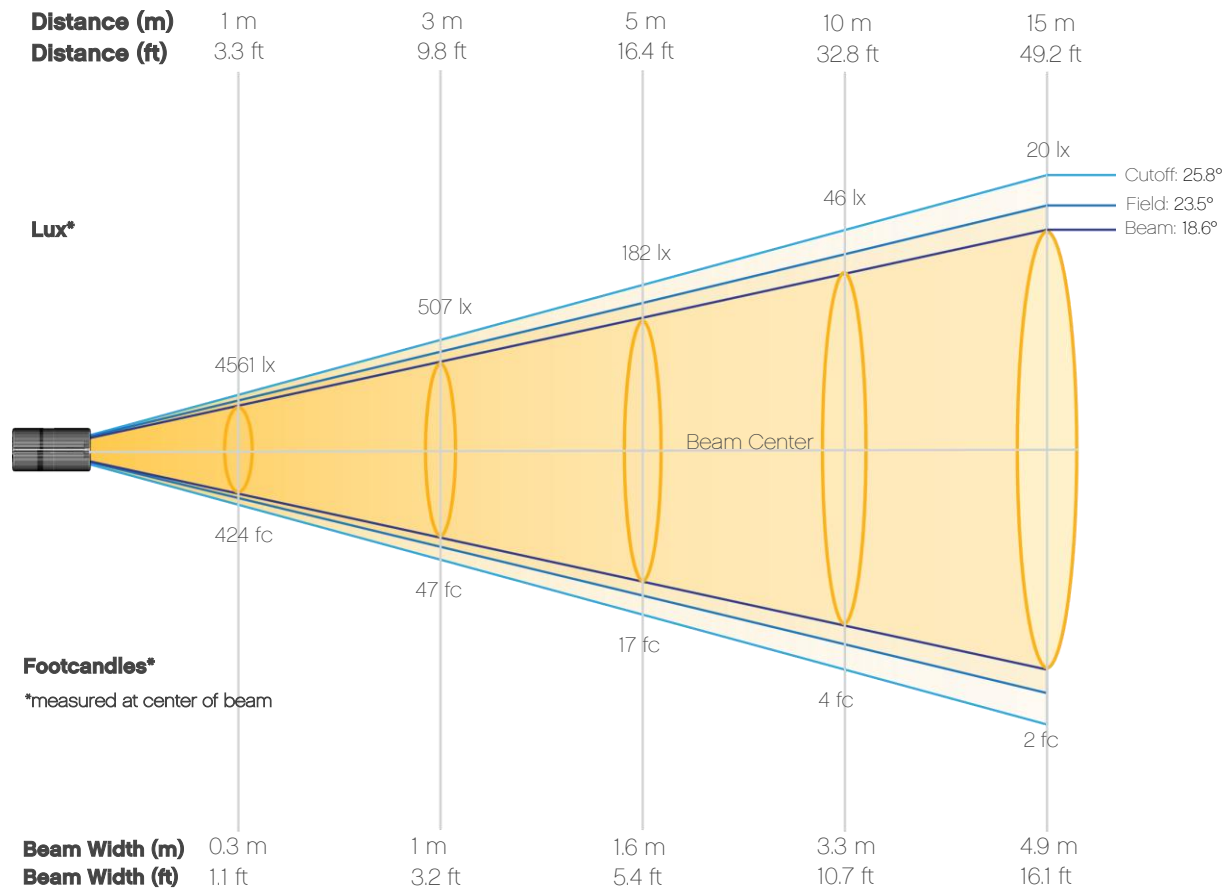
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Blue Only

Beam Details

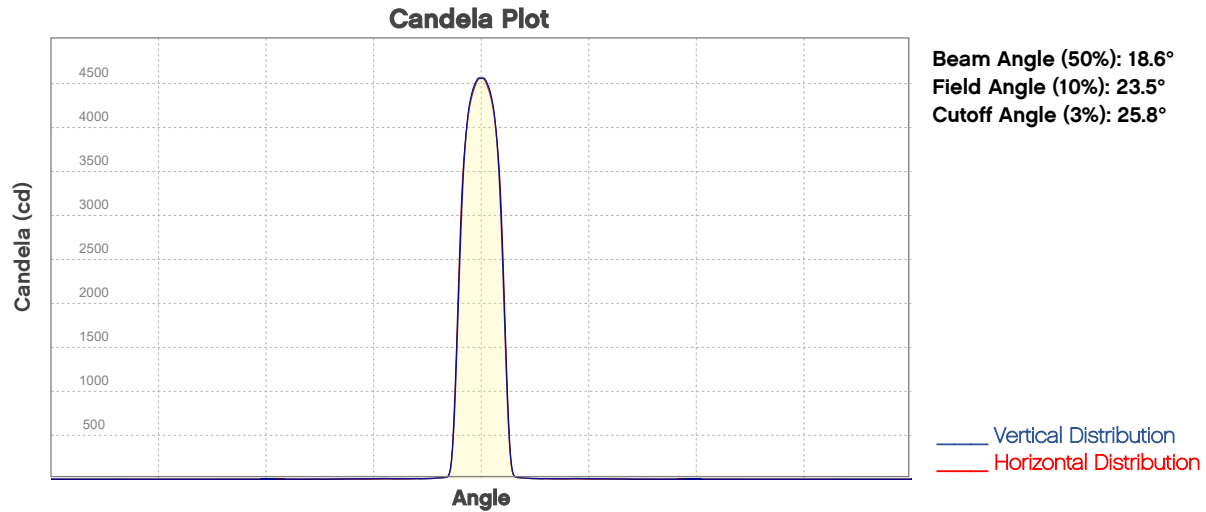


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4561	1140	507	285	182	127	93	71	56	46
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	38	32	27	23	20	18	16	14	13	11
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	424	106	47	26	17	12	9	7	5	4
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	4	3	3	2	2	2	1	1	1	1

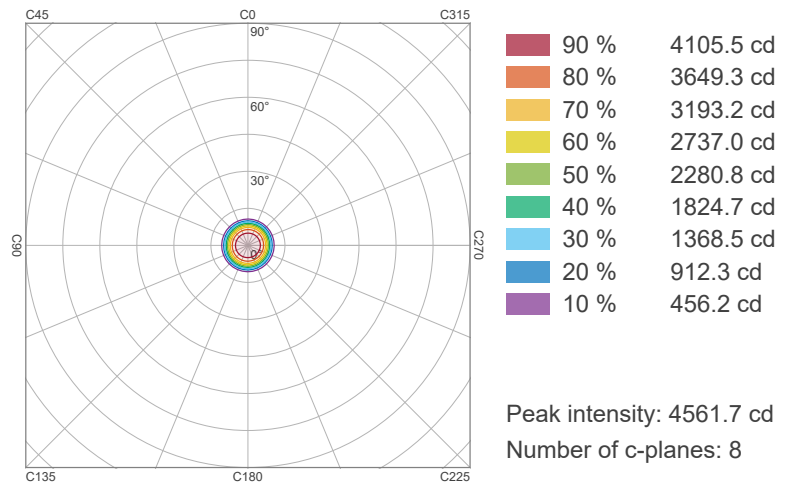
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Blue Only

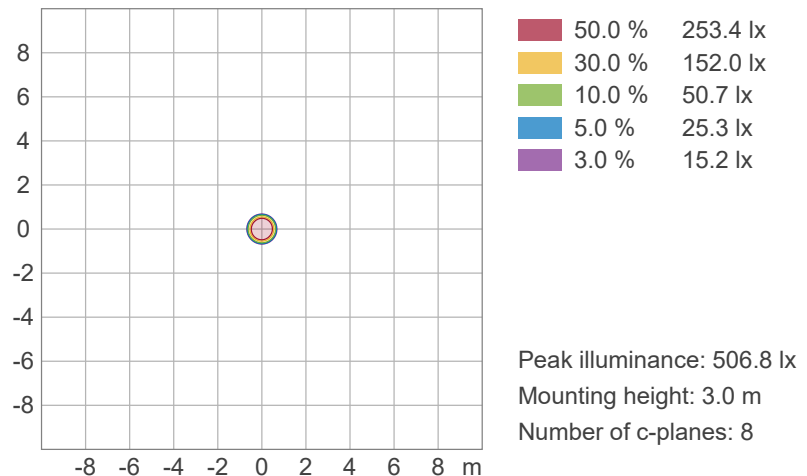


ISO Diagrams

ISO Candela Diagram



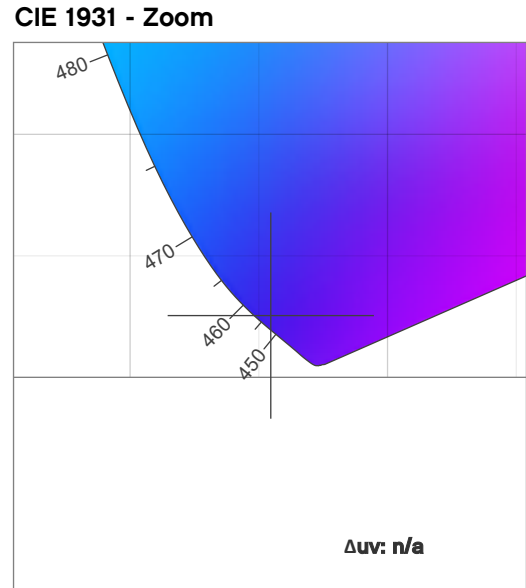
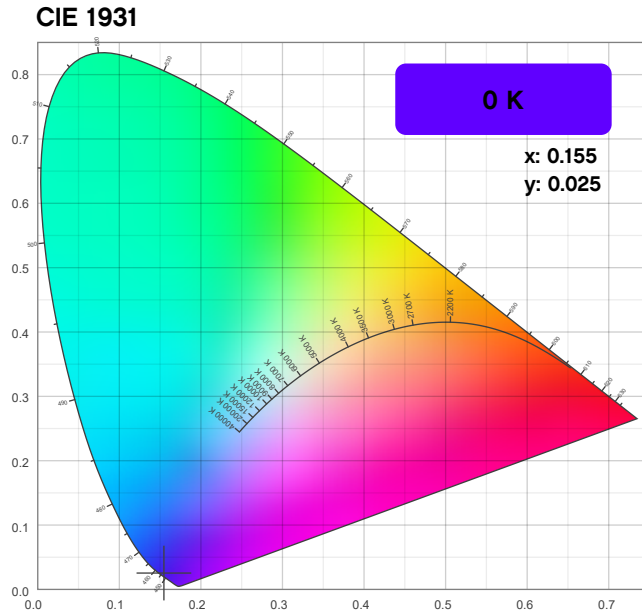
ISO Lux Diagram



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Blue Only

Chromaticity



CRI: 0.0 (R1-R8)

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

CQS: 0.0

d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13	d14	d15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.155	0.025

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.025	0.207

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

COLORado 3 QZL: 50% Zoom - Blue Only

TM-30 Details

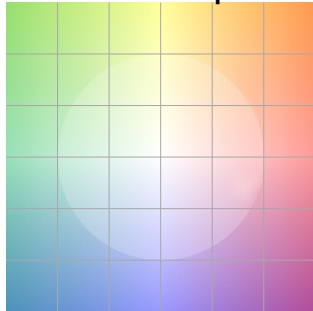
Rf 0.0

Fidelity Index
(Rg)

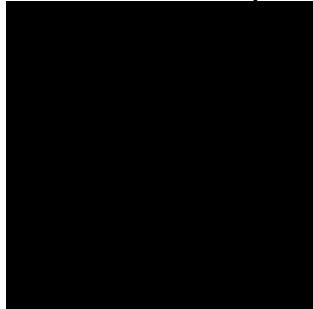
Rg 0.0

Gammut Index
(Rg)

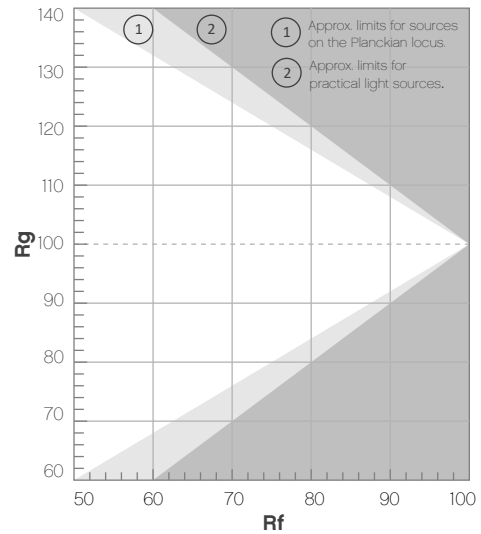
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Lime Only

Report Summary

Measurements

Fixture Output: 2655 lm
Fixture Peak: 28102 cd
Fixture Efficacy: 31 lm/W
Intensity @ 5m: 1122 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%): 19.5°
Field Angle (10%): 24.4°
Cutoff Angle (3%): 26.7°

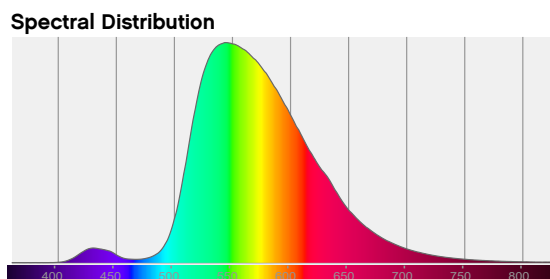
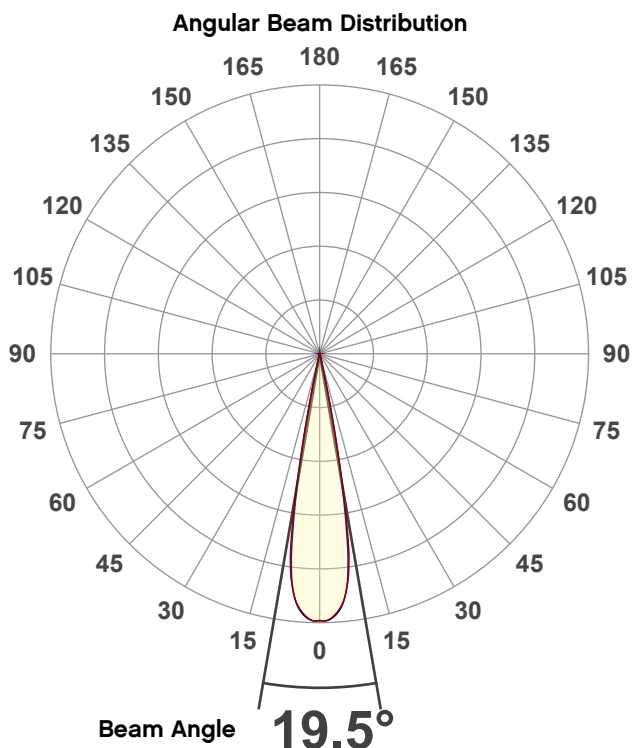


Conditions

AC Supply: 116 V, 60 Hz
Power: 86.59 W
Current: 0.746 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.416

Y: 0.539



Light Quality

CRI: 0.0

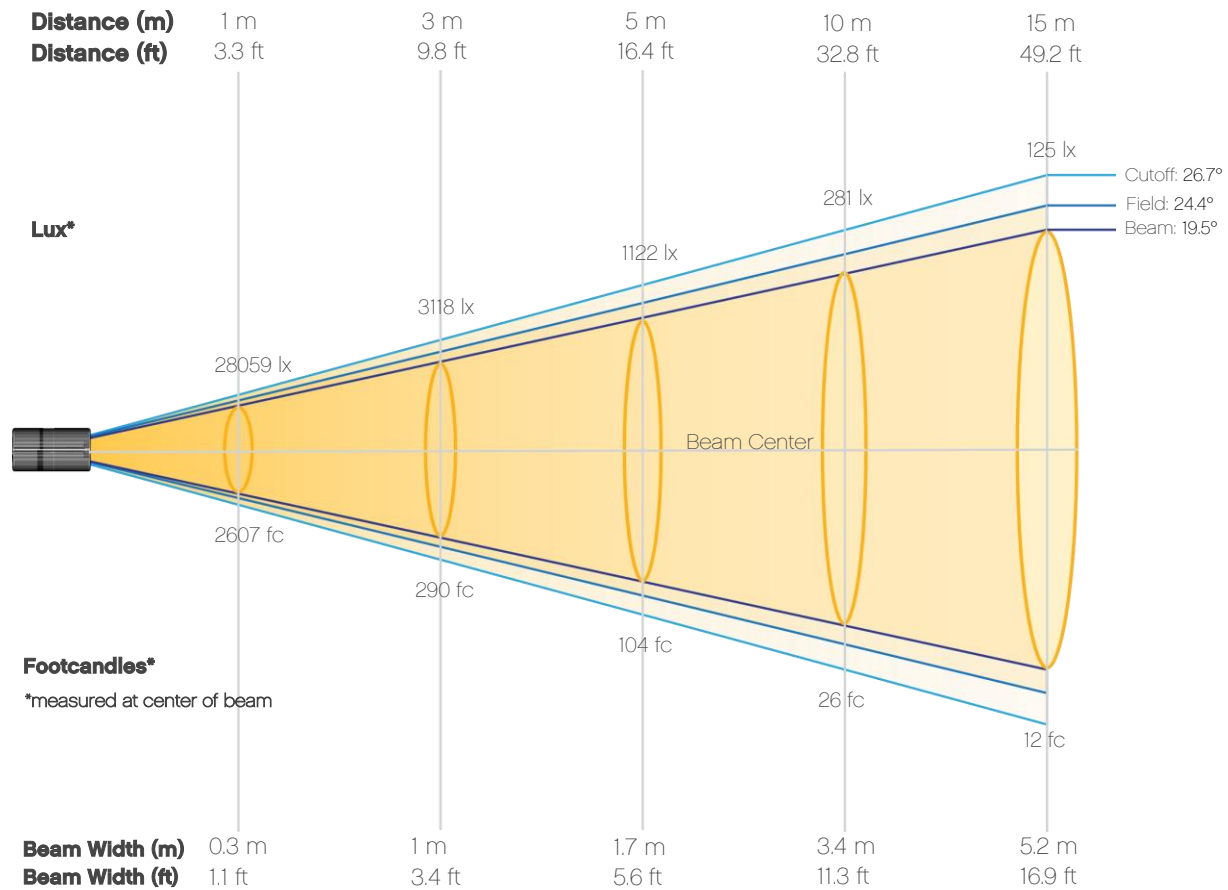
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Lime Only

Beam Details

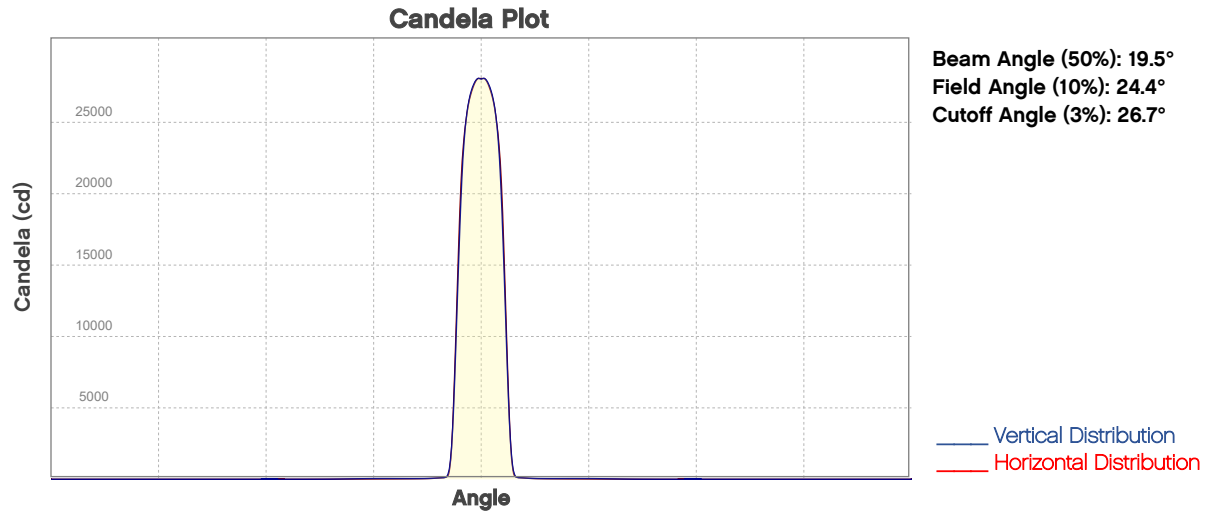


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	28059	7015	3118	1754	1122	779	573	438	346	281
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	232	195	166	143	125	110	97	87	78	70
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2607	652	290	163	104	72	53	41	32	26
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	22	18	15	13	12	10	9	8	7	7

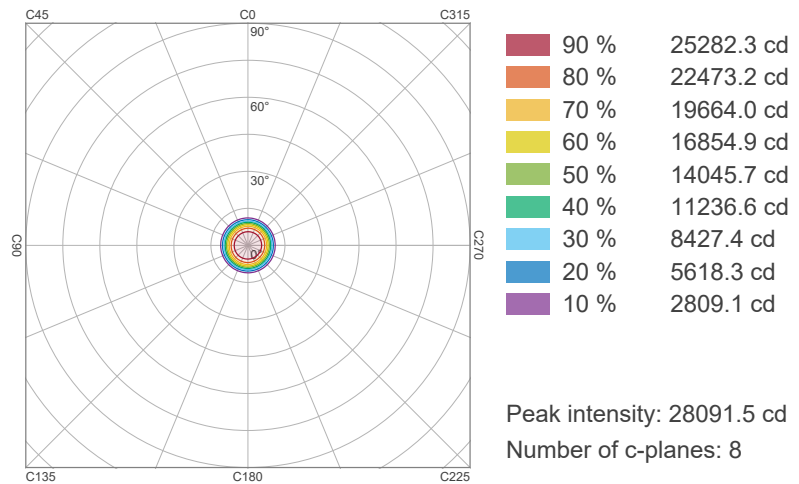
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - Lime Only

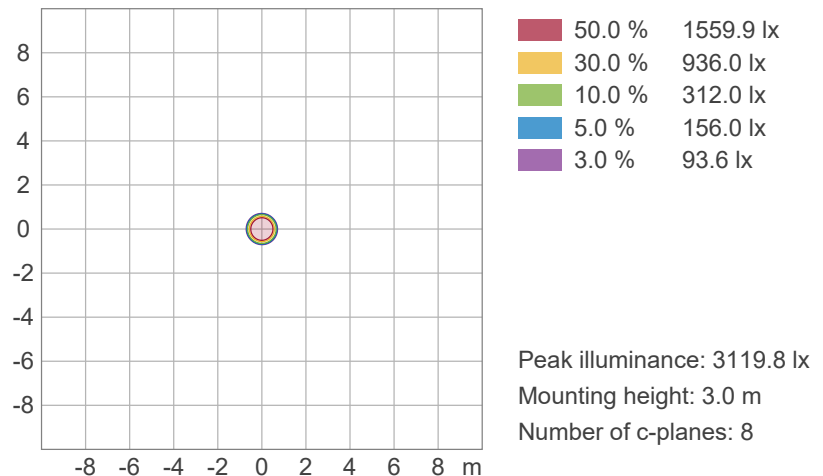


ISO Diagrams

ISO Candela Diagram

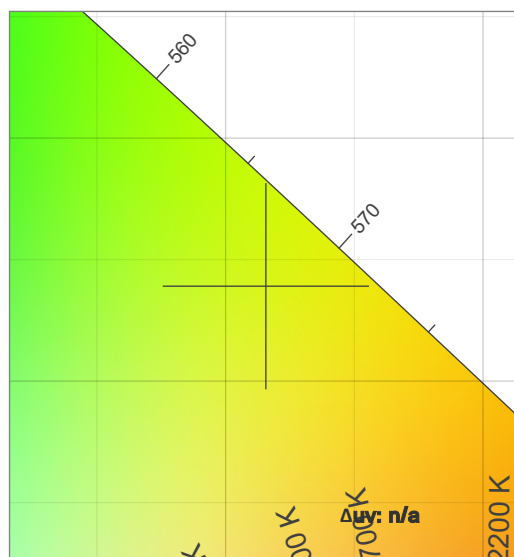
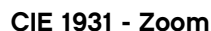


ISO Lux Diagram



COLORado 3 QZL: 50% Zoom - Lime Only

CIE 1931



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

A blank coordinate grid with 16 columns labeled q_1 to q_{15} and 5 rows. The grid is intended for plotting the 16 points of the $16q+1$ sieve.

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.416	0.539

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.539	0.192

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

COLORado 3 QZL: 50% Zoom - Lime Only

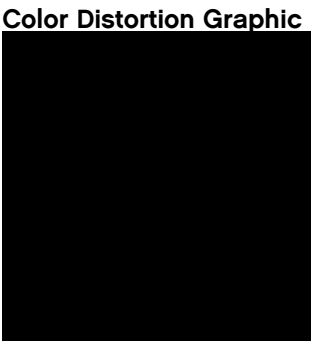
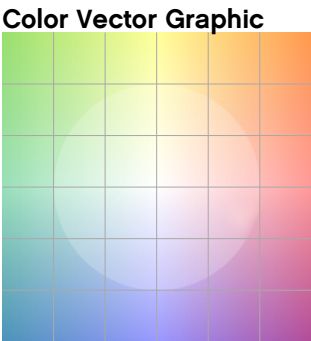
TM-30 Details

Rf 0.0

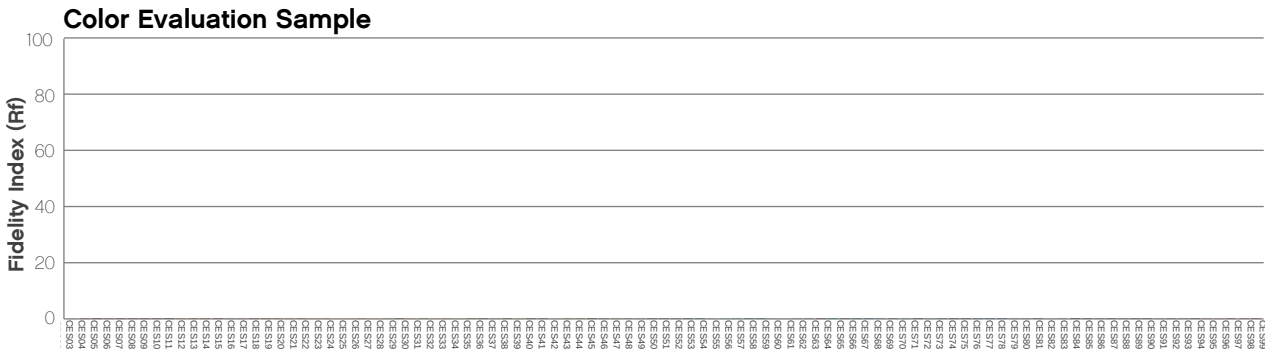
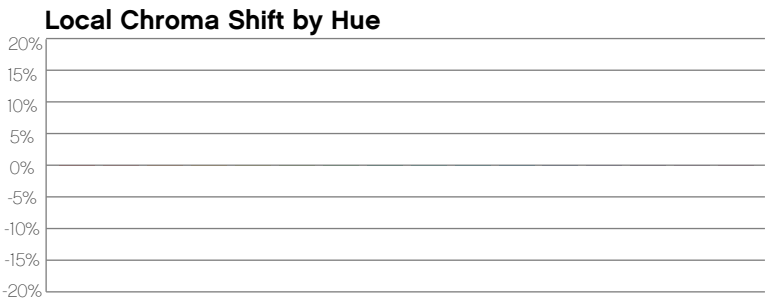
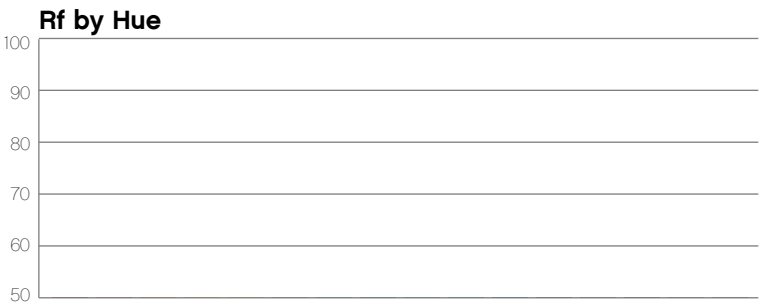
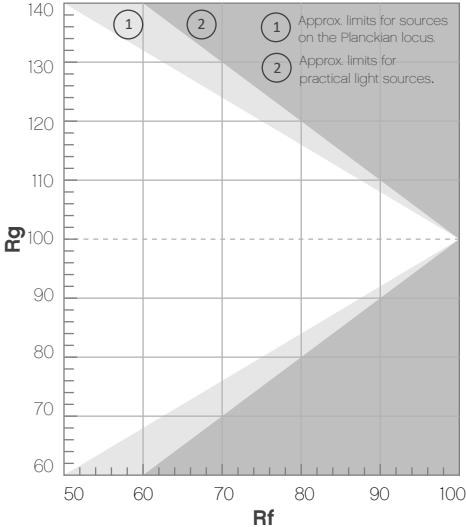
Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)



		Graphic shifts (%)	
Hue Bin	Rf	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%



Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Full Power

Report Summary

Measurements

Fixture Output: 5974 lm
Fixture Peak: 16431 cd
Fixture Efficacy: 23 lm/W
Intensity @ 5m: 657 lux
Color Temperature: 24603 K
CRI: 62.3 CRI R9 Value: -123.5
CQS: 80.7
TLCI: 67
TM-30 Rf: 68.5
TM-30 Rg: 119.8
Beam Angle (50%): 38.2°
Field Angle (10%): 52.1°
Cutoff Angle (3%): 58.2°

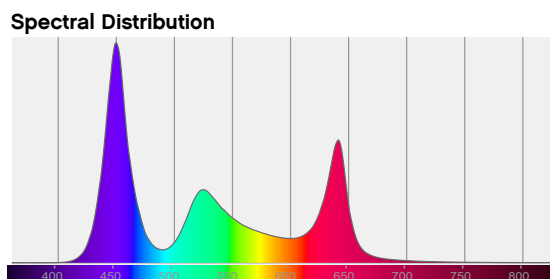
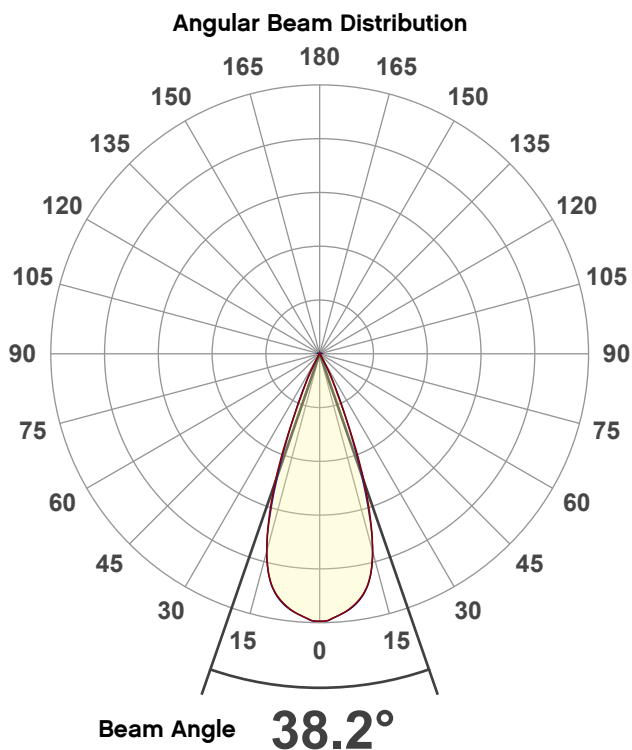


Conditions

AC Supply: 115 V, 60 Hz
Power: 256.71 W
Current: 2.24 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.270

Y: 0.237



Light Quality

CRI: 62.3

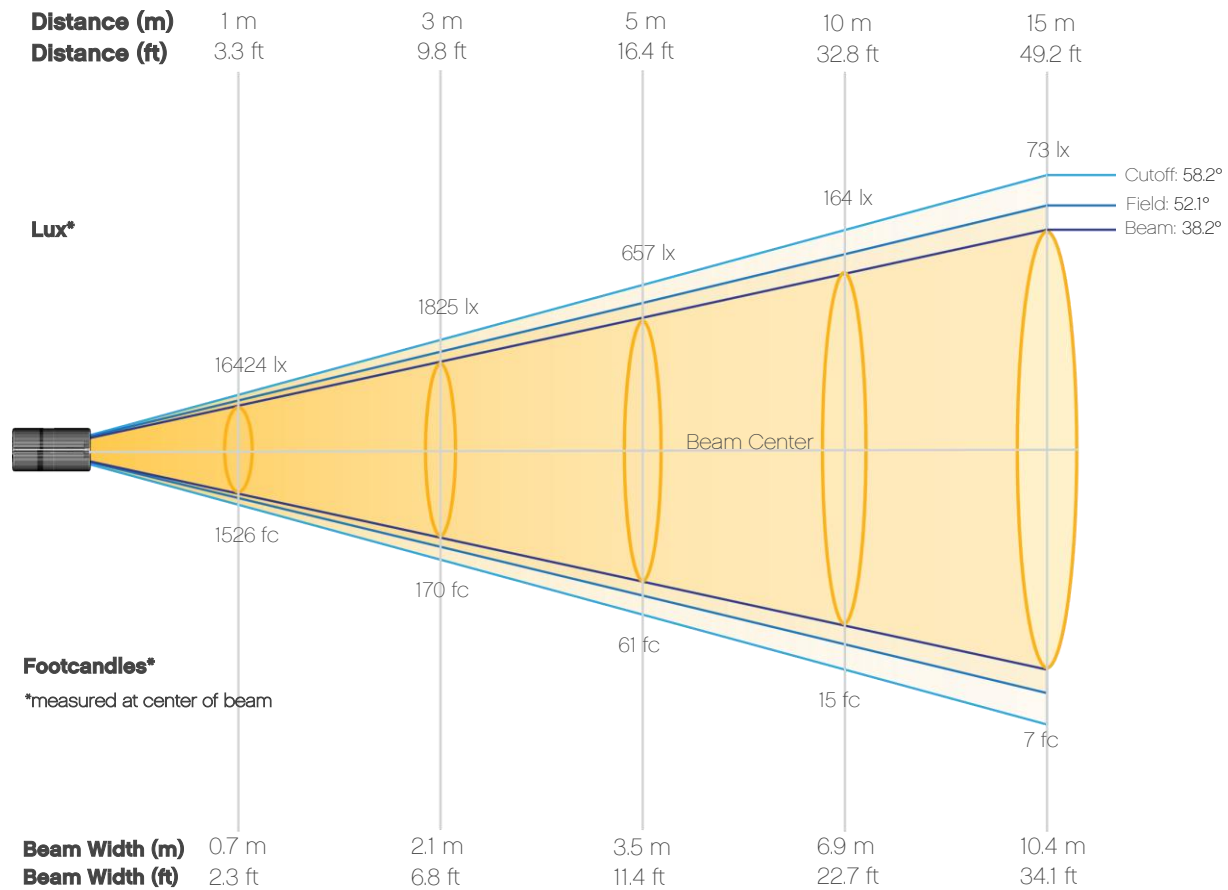
Color Temperature

24603 K

Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Full Power

Beam Details

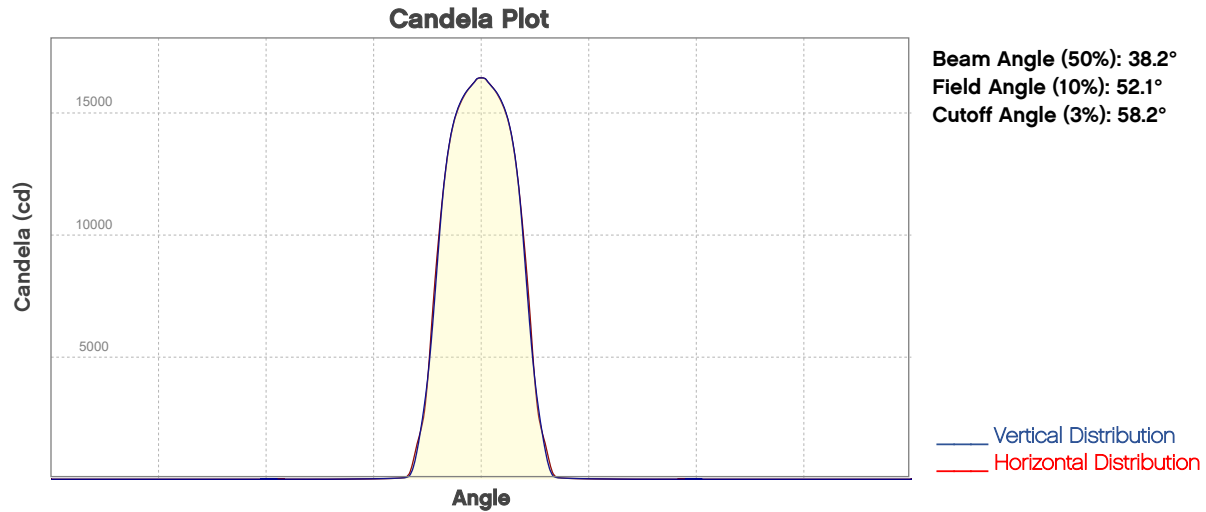


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	16424	4106	1825	1027	657	456	335	257	203	164
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	136	114	97	84	73	64	57	51	45	41
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1526	381	170	95	61	42	31	24	19	15
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	13	11	9	8	7	6	5	5	4	4

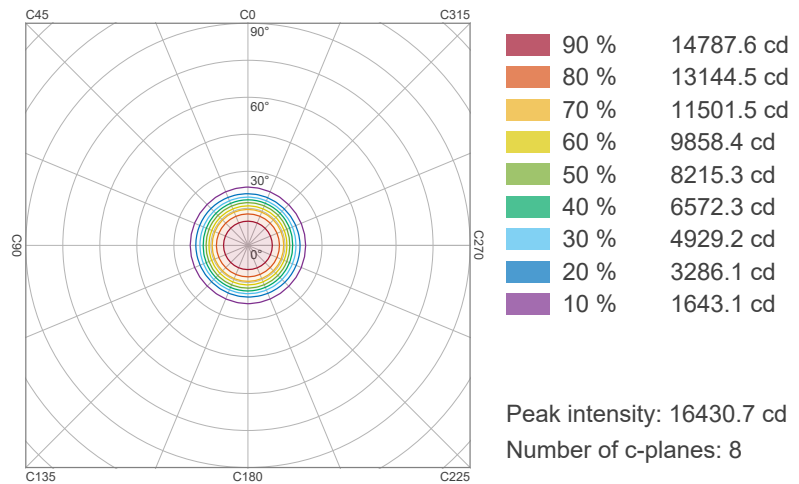
Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Full Power

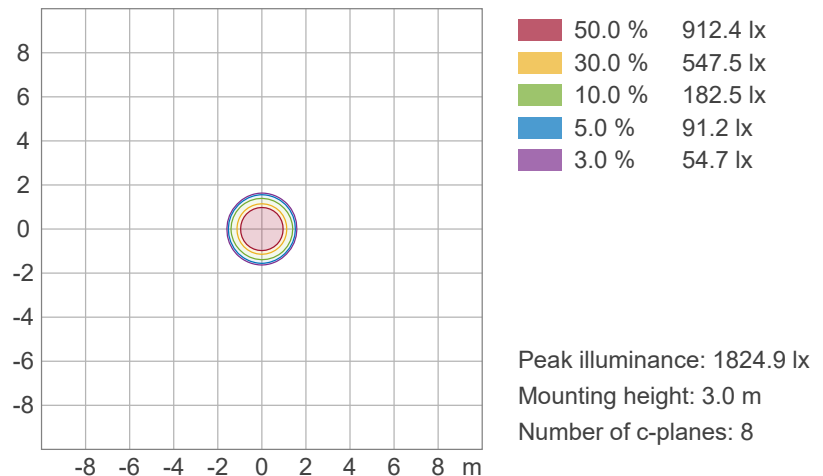


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

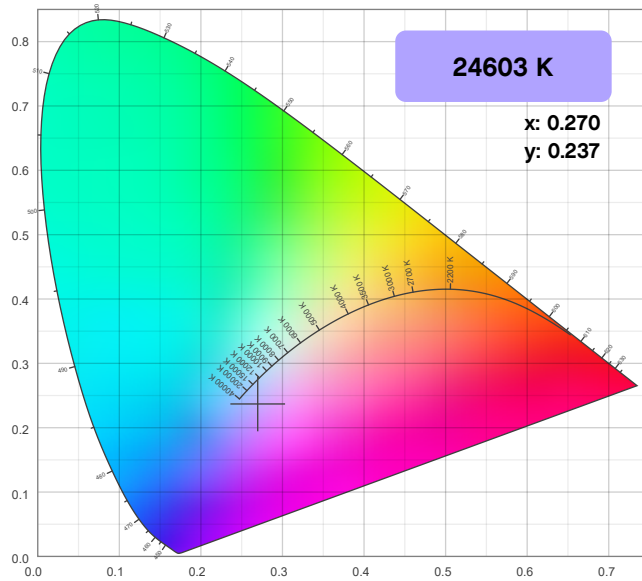


Photometric & Chromaticity Report

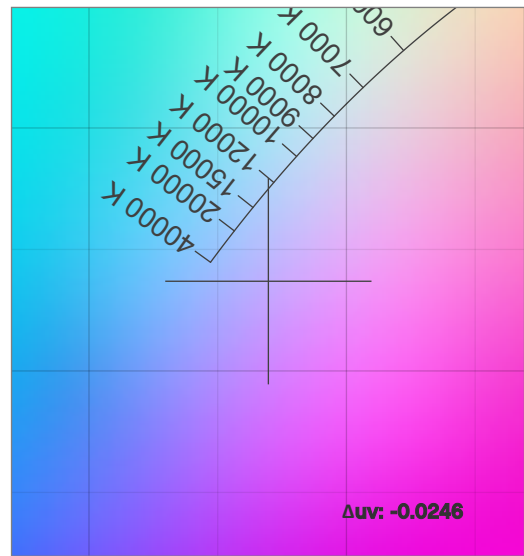
COLORado 3 QZL: Full Flood - Full Power

Chromaticity

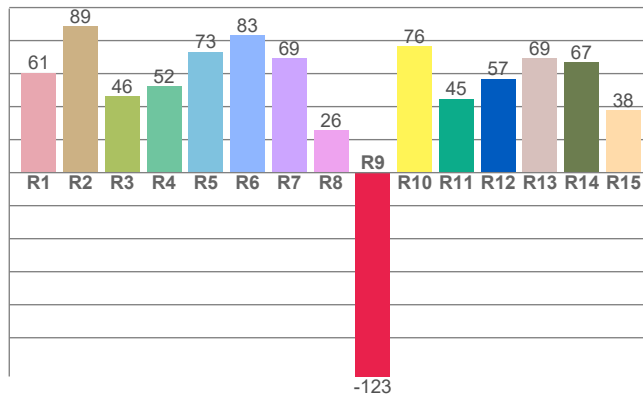
CIE 1931



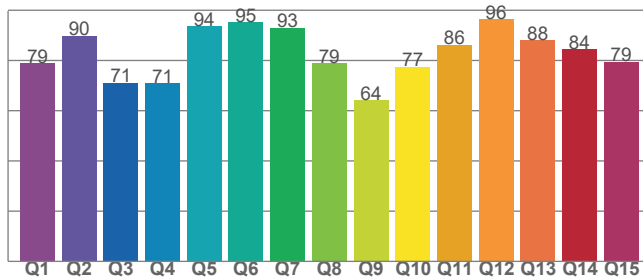
CIE 1931 - Zoom



CRI: 62.3 (R1-R8)



CQS: 80.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
24603 K	0.270	0.237

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0246	0.237	0.203

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
62.3	-123.5	80.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
67	68.5	119.8

Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Full Power

TM-30 Details

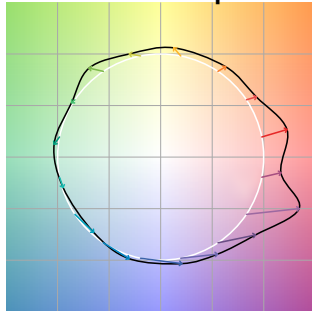
Rf 68.5

Fidelity Index
(R_f)

Rg 119.8

Gammut Index
(R_g)

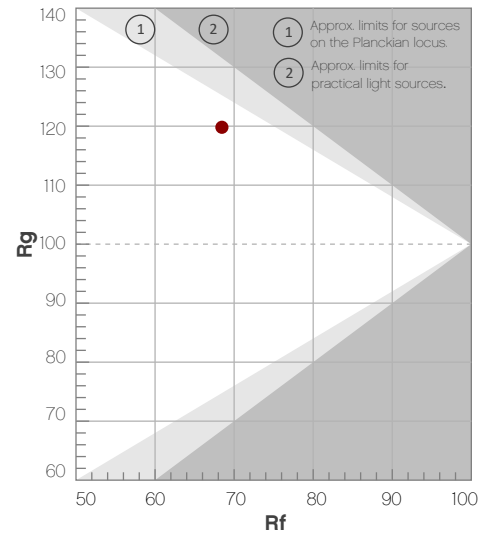
Color Vector Graphic



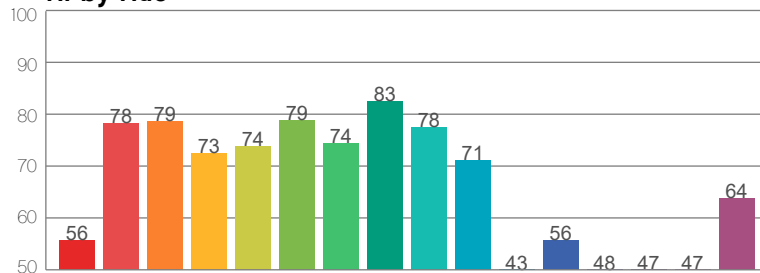
Color Distortion Graphic



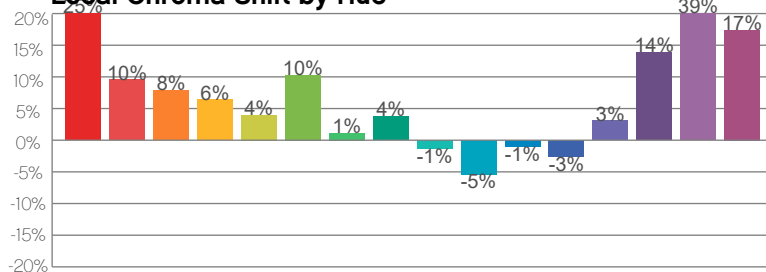
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	56	25%	2%
2	78	10%	-3%
3	79	8%	-4%
4	73	6%	8%
5	74	4%	10%
6	79	10%	10%
7	74	1%	4%
8	83	4%	8%
9	78	-1%	10%
10	71	-5%	24%
11	43	-1%	29%
12	56	-3%	40%
13	48	3%	36%
14	47	14%	34%
15	47	39%	33%
16	64	17%	8%



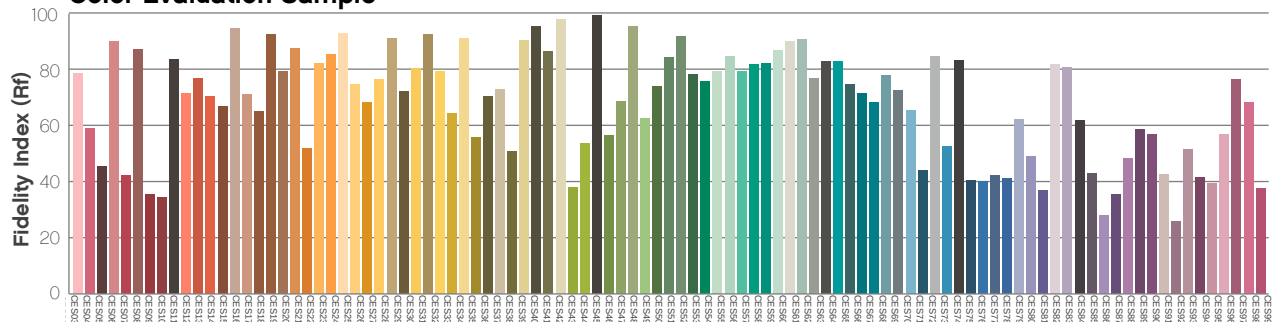
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Red Only

Report Summary

Measurements

Fixture Output: 1000 lm
Fixture Peak: 2770 cd
Fixture Efficacy: 16 lm/W
Intensity @ 5m: 110 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%): 37.9°
Field Angle (10%): 51.7°
Cutoff Angle (3%): 58.2°

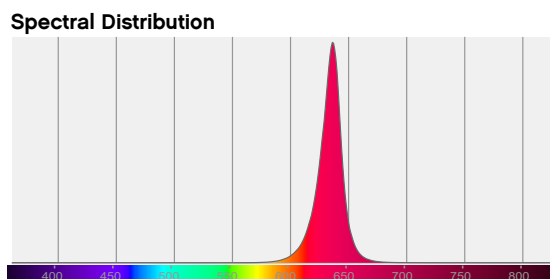
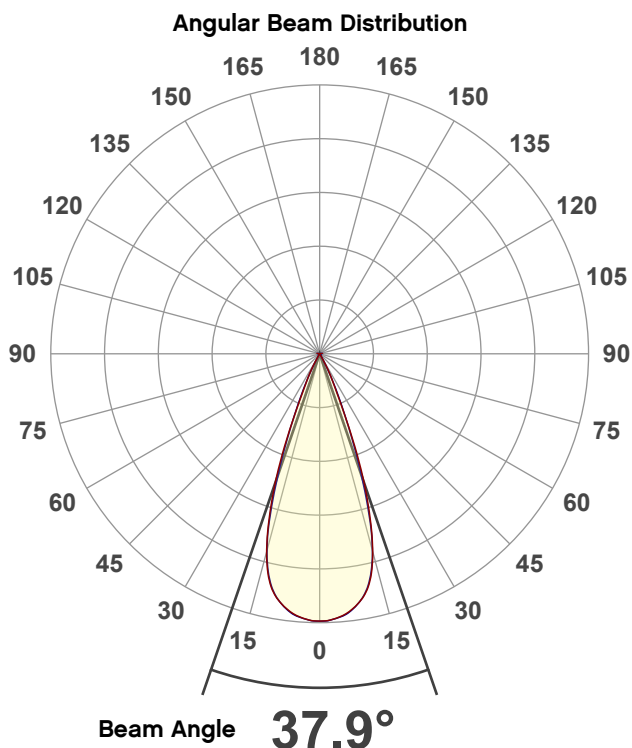


Conditions

AC Supply: 117 V, 60 Hz
Power: 62.46 W
Current: 0.532 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.700

Y: 0.299



Light Quality

CRI: 0.0

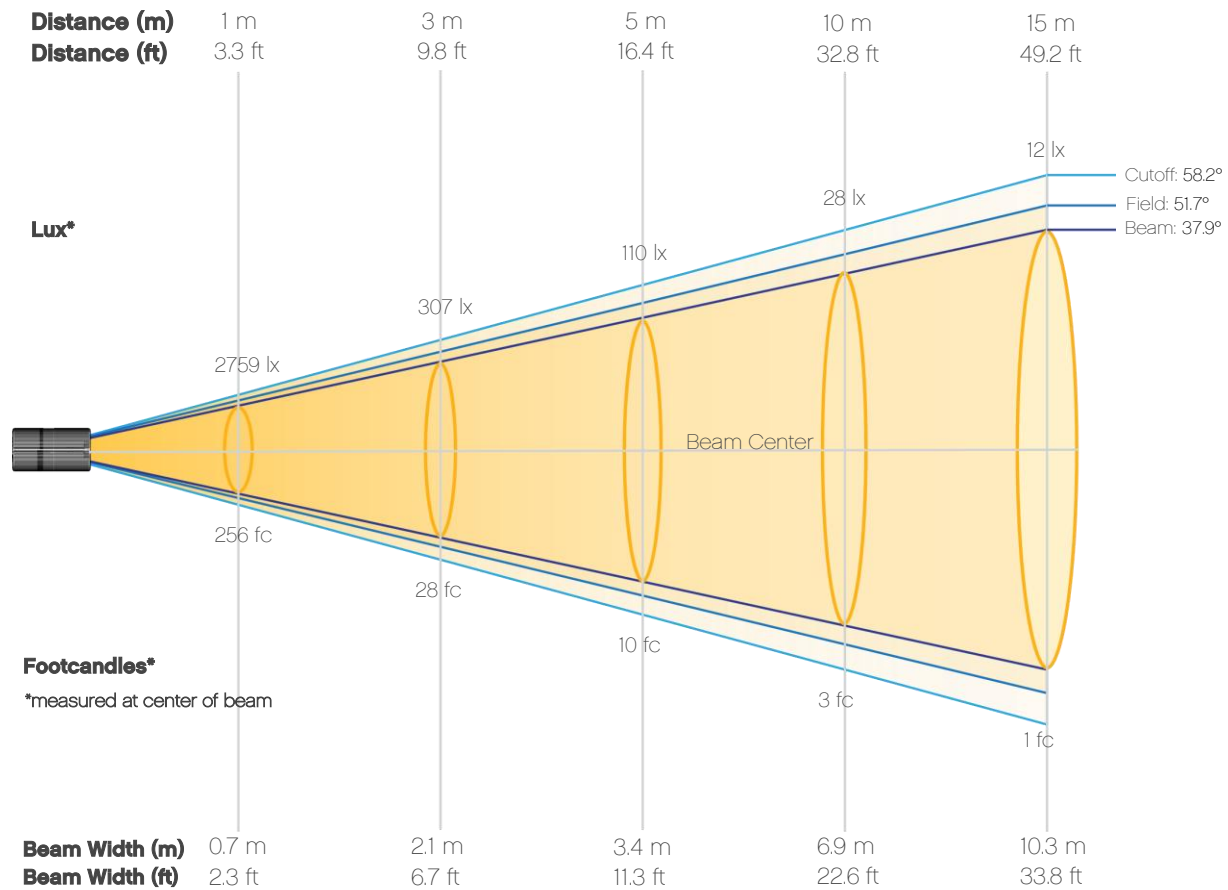
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Red Only

Beam Details

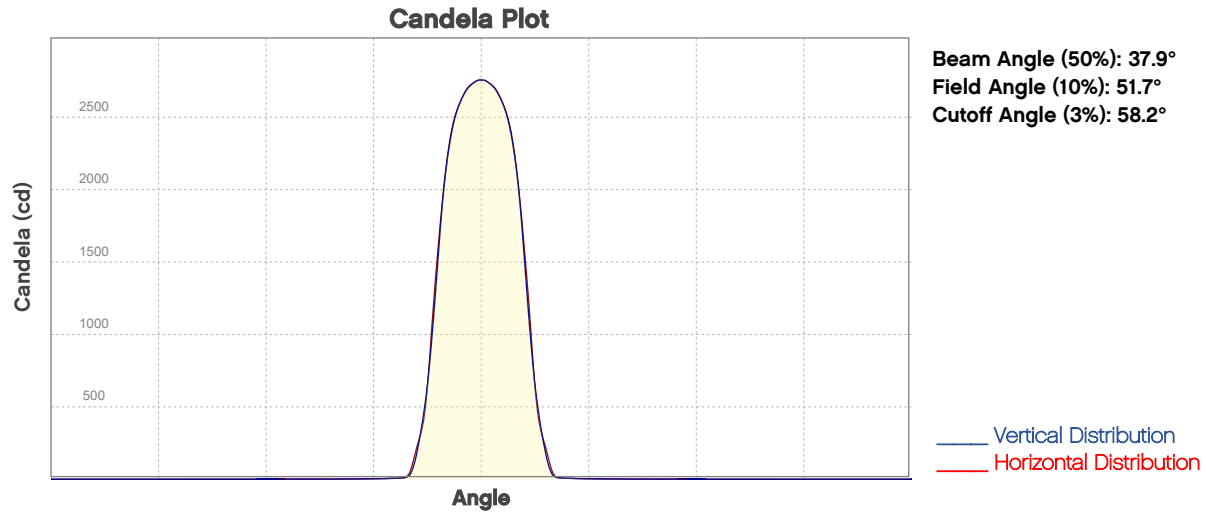


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	2759	690	307	172	110	77	56	43	34	28
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	23	19	16	14	12	11	10	9	8	7
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	256	64	28	16	10	7	5	4	3	3
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2	2	2	1	1	1	1	1	1	1

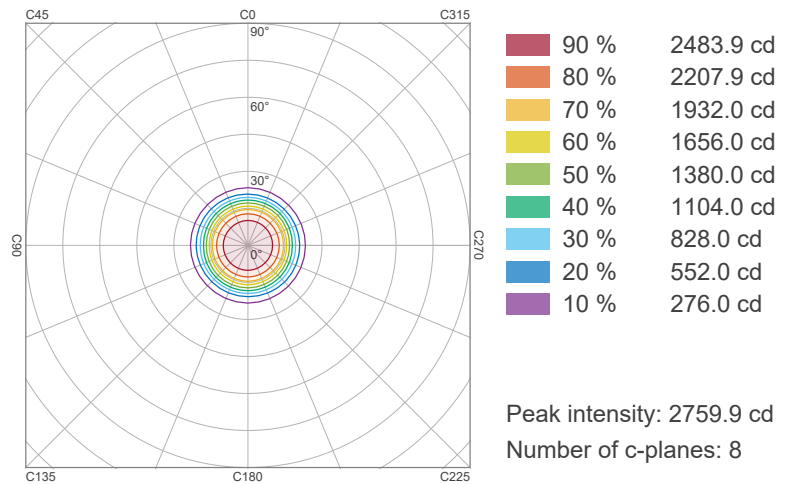
Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Red Only

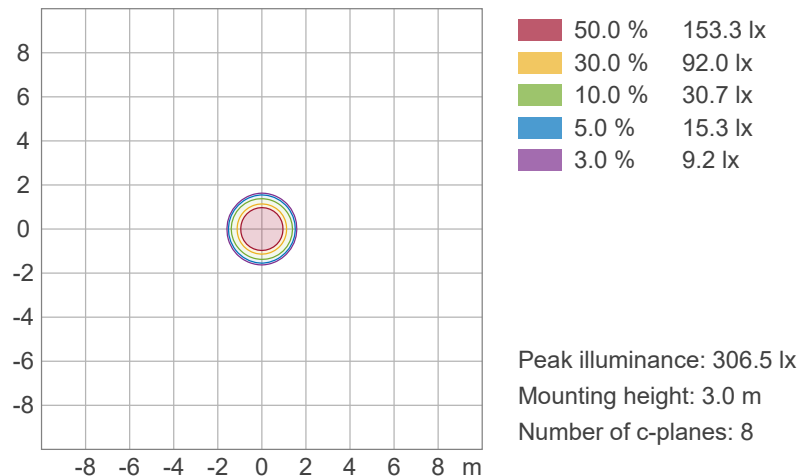


ISO Diagrams

ISO Candela Diagram



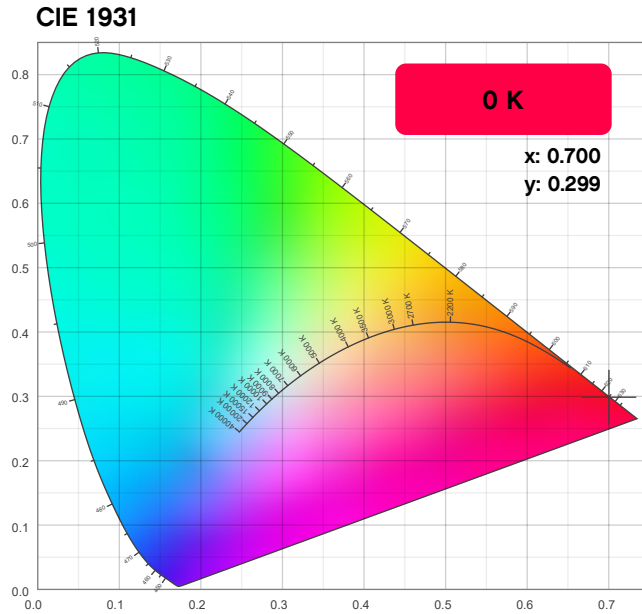
ISO Lux Diagram



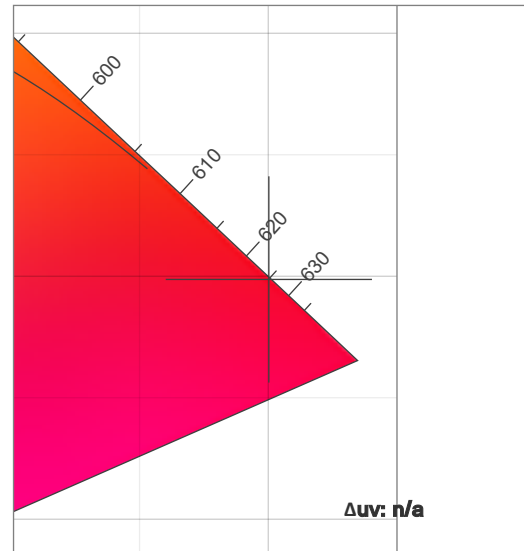
Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Red Only

Chromaticity



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13	d14	d15	

Color Parameters

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

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

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

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

Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Red Only

TM-30 Details

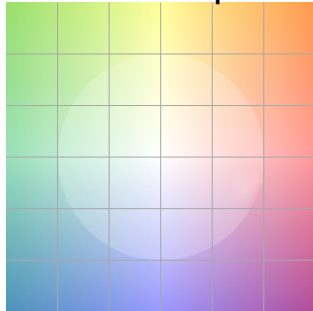
Rf 0.0

Fidelity Index
(Rg)

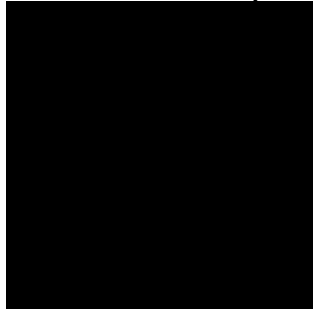
Rg 0.0

Gammut Index
(Rg)

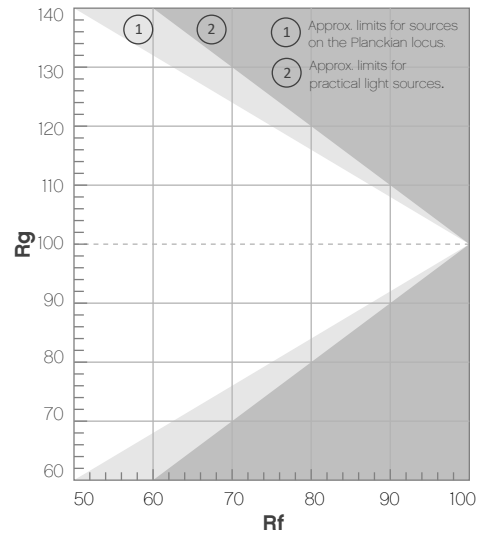
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Green Only

Report Summary

Measurements

Fixture Output: 1941 lm
Fixture Peak: 5702 cd
Fixture Efficacy: 28 lm/W
Intensity @ 5m: 228 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%): 36.8°
Field Angle (10%): 51.1°
Cutoff Angle (3%): 57.9°

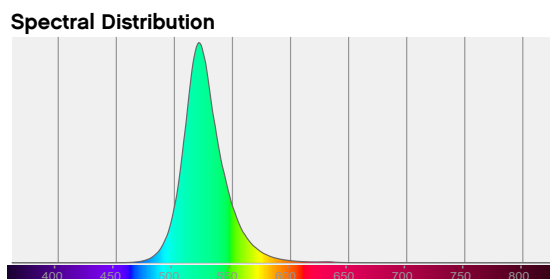
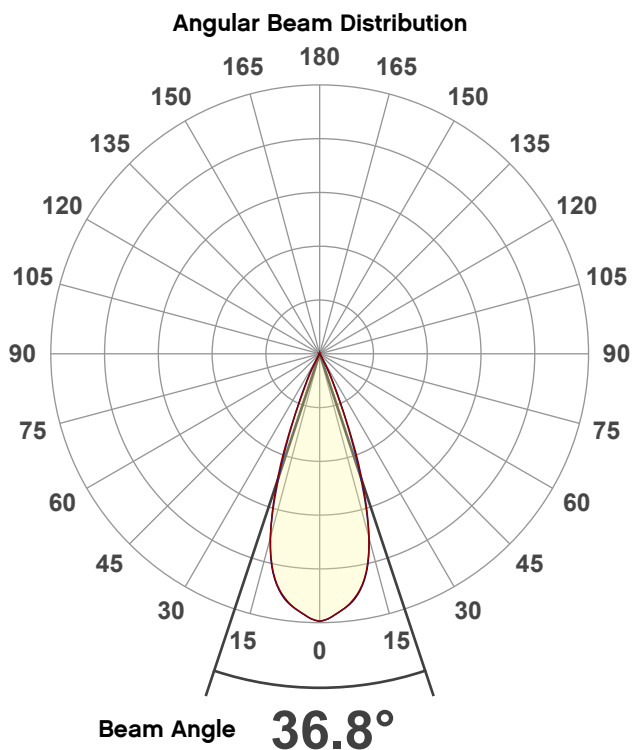


Conditions

AC Supply: 117 V, 60 Hz
Power: 71.54 W
Current: 0.611 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.174

Y: 0.731



Light Quality

CRI: 0.0

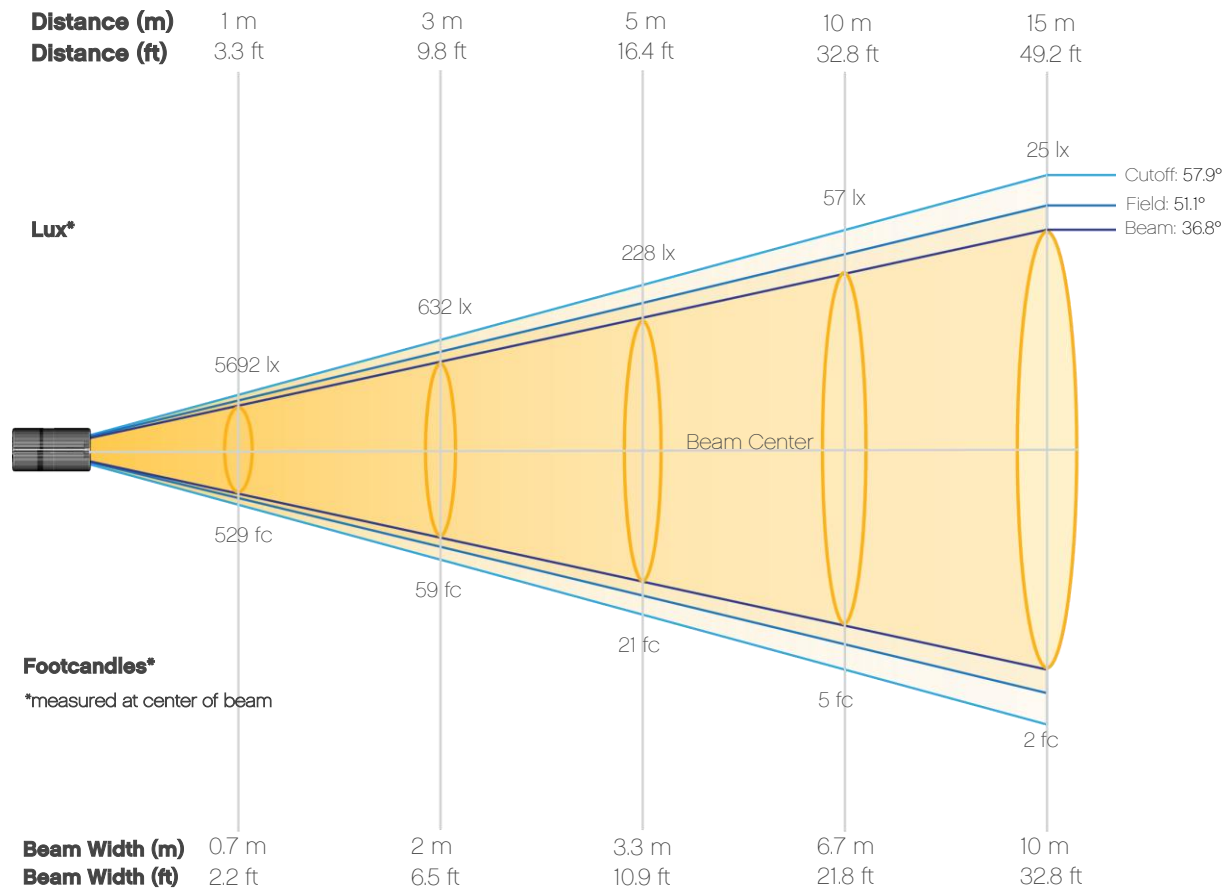
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Green Only

Beam Details

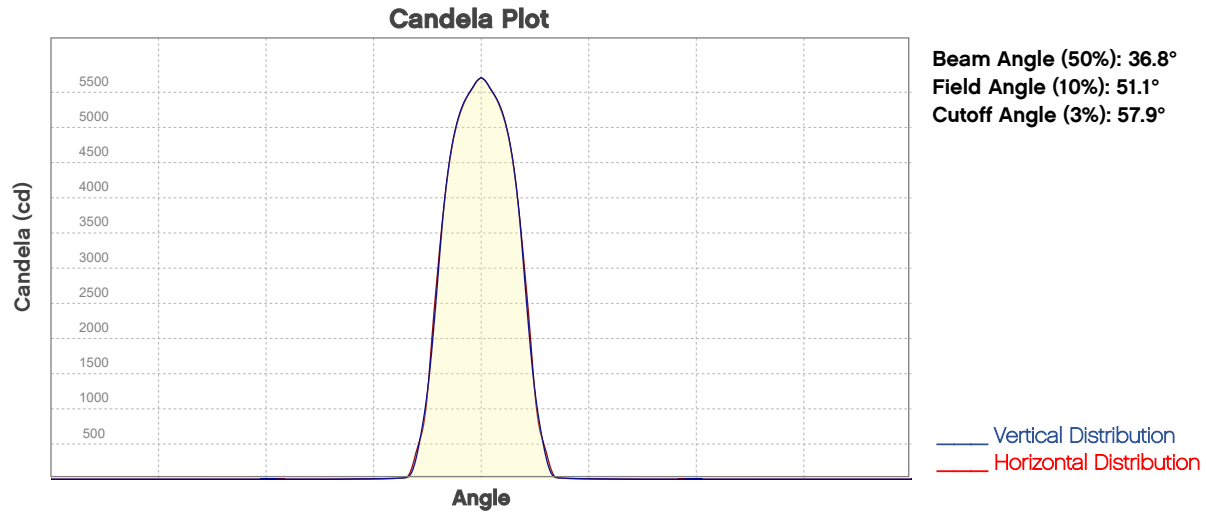


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	5692	1423	632	356	228	158	116	89	70	57
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	47	40	34	29	25	22	20	18	16	14
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	529	132	59	33	21	15	11	8	7	5
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	4	4	3	3	2	2	2	2	1	1

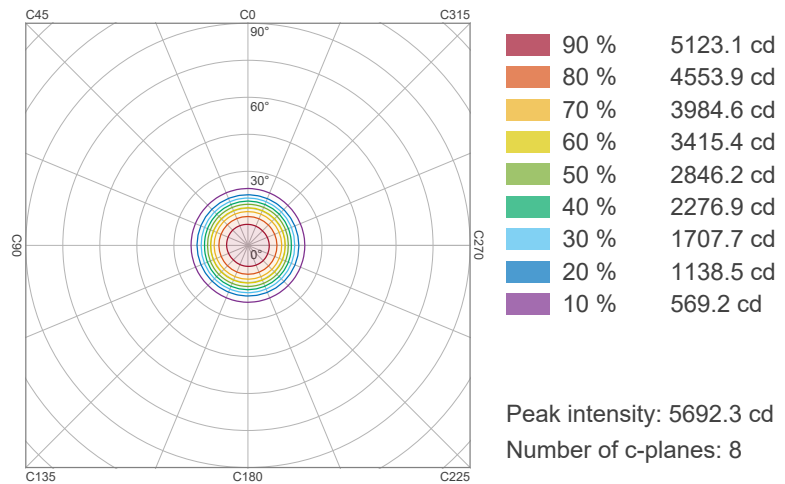
Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Green Only

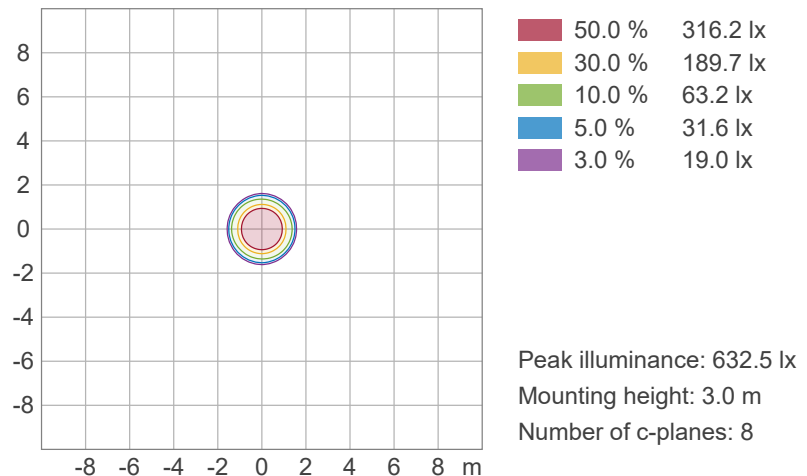


ISO Diagrams

ISO Candela Diagram



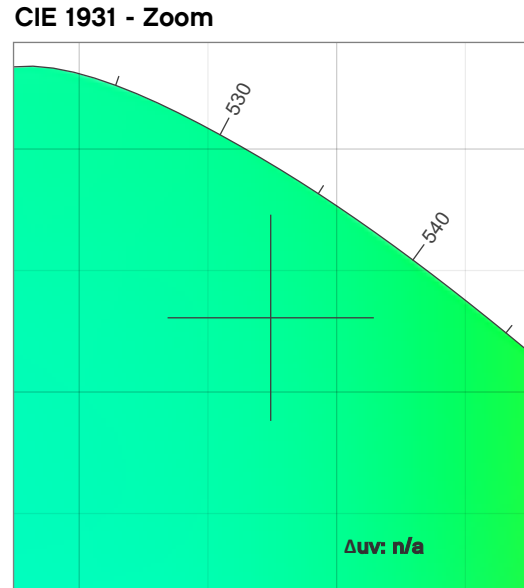
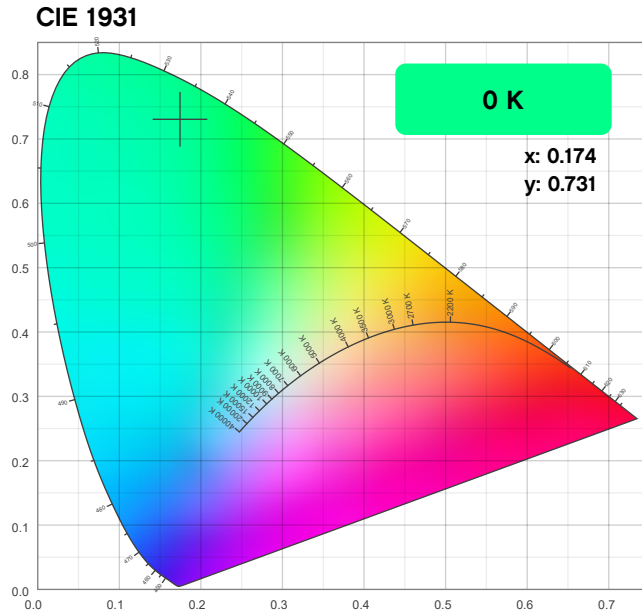
ISO Lux Diagram



Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Green Only

Chromaticity



CRI: 0.0 (R1-R8)

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

CQS: 0.0

d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13	d14	d15	

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.174	0.731

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.731	0.061

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

COLORado 3 QZL: Full Flood - Green Only

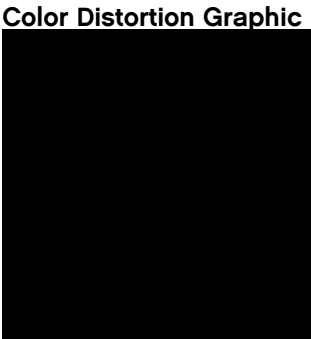
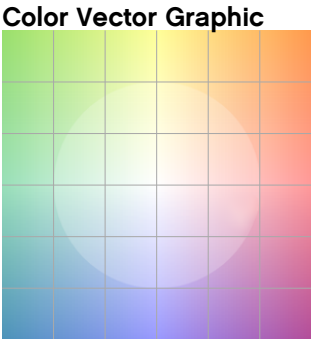
TM-30 Details

Rf 0.0

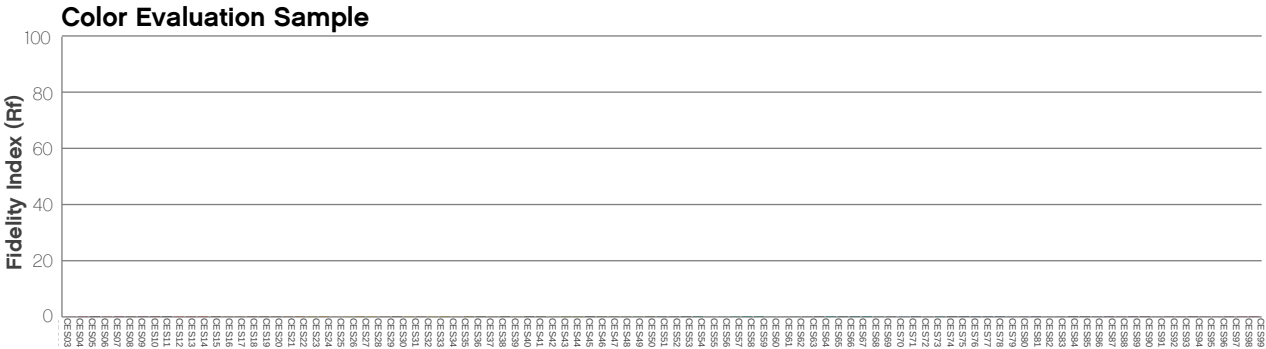
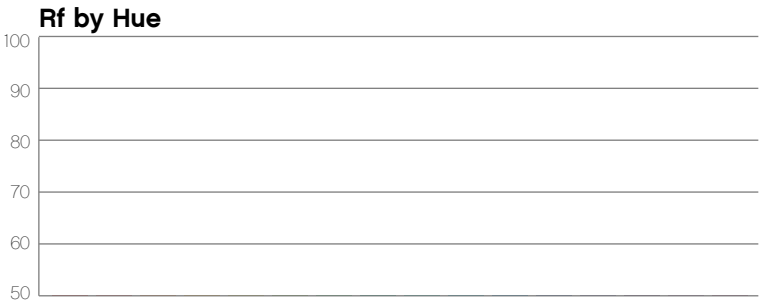
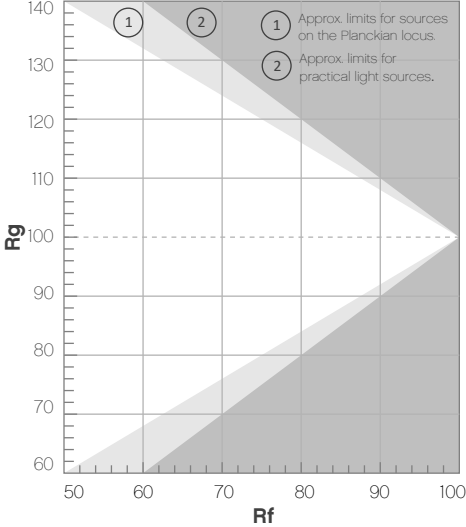
Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)



		Graphic shifts (%)	
Hue Bin	Rf	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%



Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Blue Only

Report Summary

Measurements

Fixture Output: 467 lm
Fixture Peak: 1326 cd
Fixture Efficacy: 6 lm/W
Intensity @ 5m: 53 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%): 37.6°
Field Angle (10%): 51.5°
Cutoff Angle (3%): 57.8°

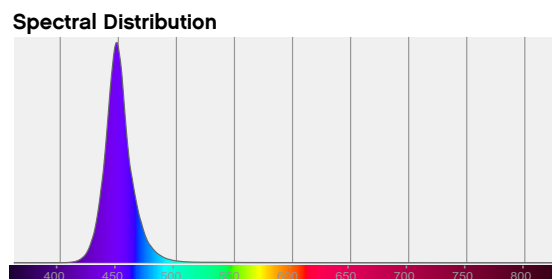
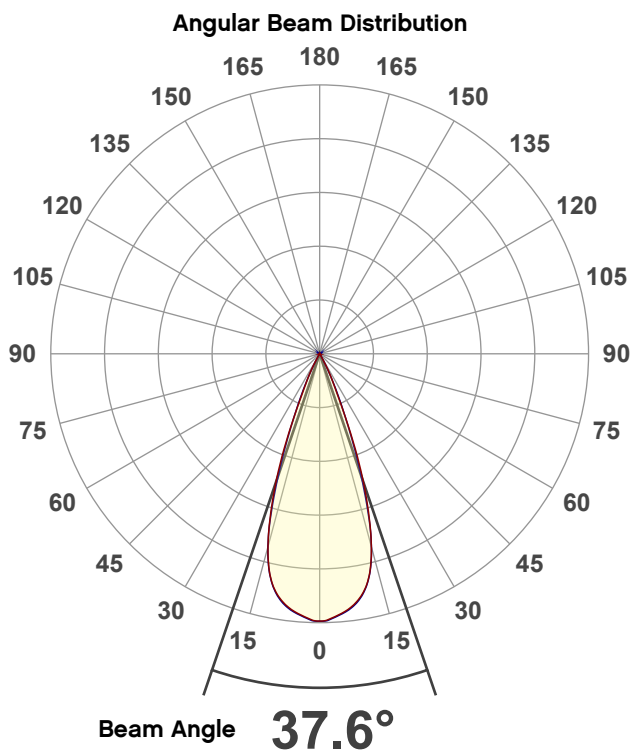


Conditions

AC Supply: 117 V, 60 Hz
Power: 81.4 W
Current: 0.697 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.155

Y: 0.026



Light Quality

CRI: 0.0

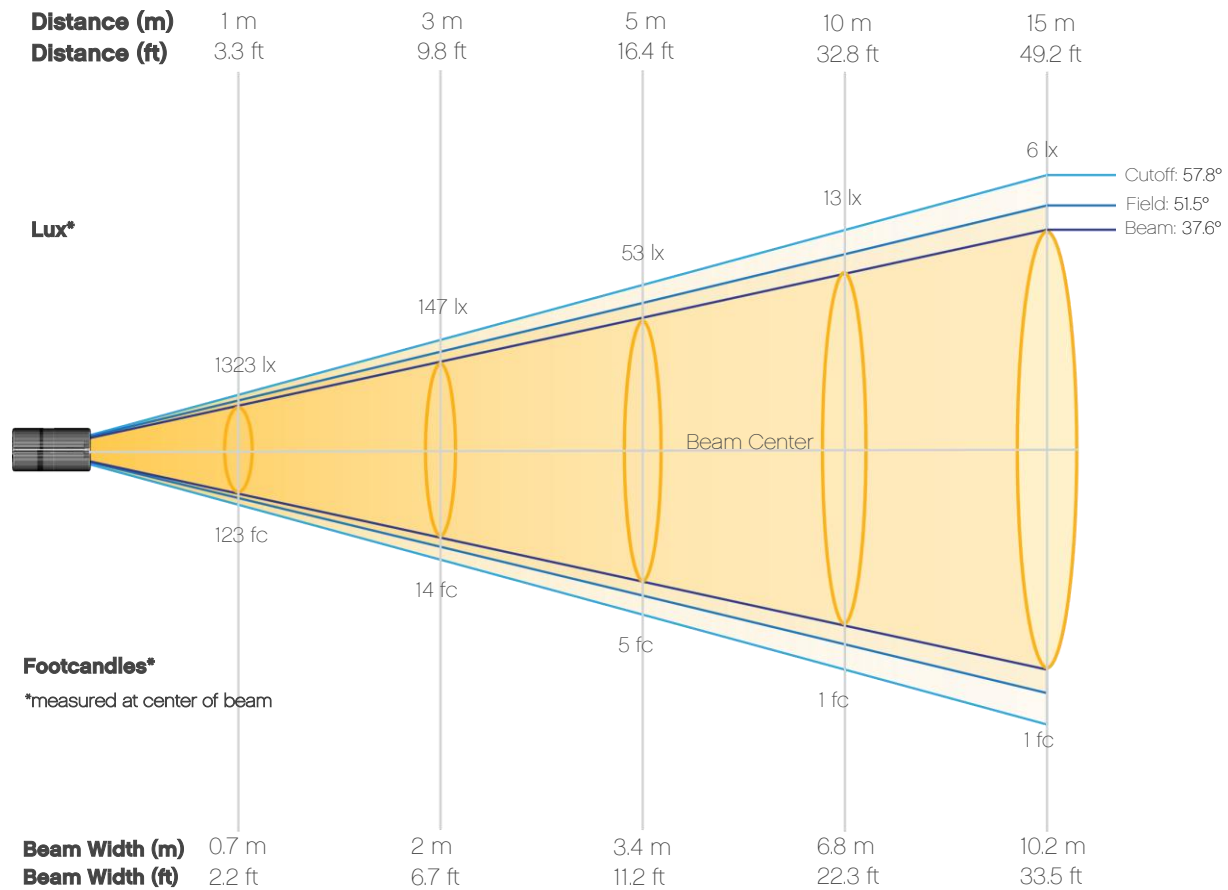
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Blue Only

Beam Details

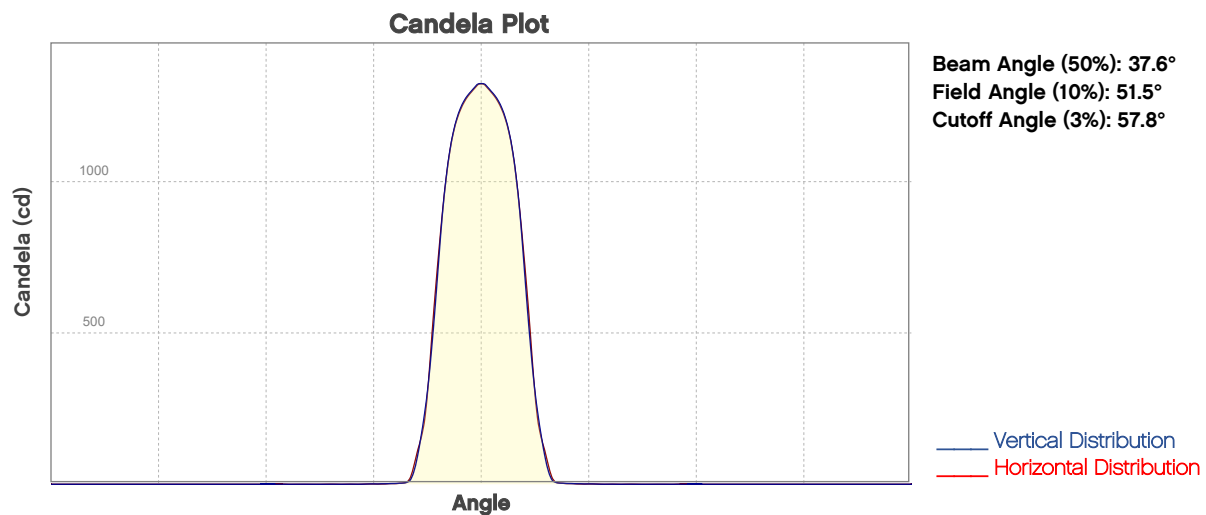


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1323	331	147	83	53	37	27	21	16	13
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	11	9	8	7	6	5	5	4	4	3
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	123	31	14	8	5	3	3	2	2	1
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1	1	1	1	1	0	0	0	0	0

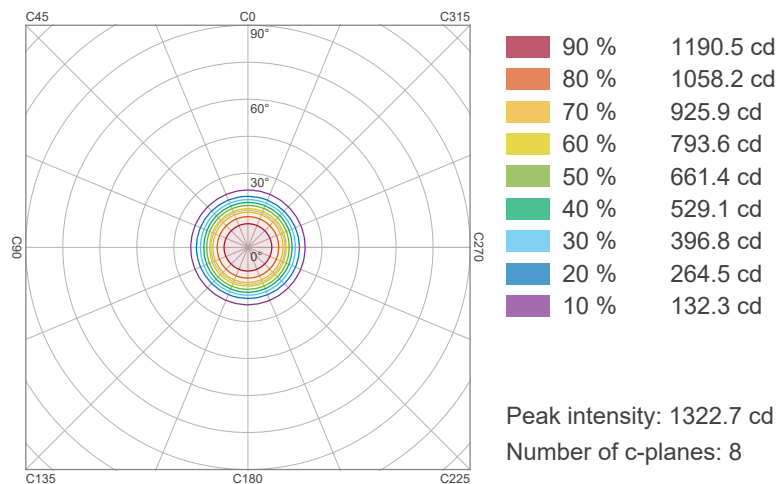
Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Blue Only

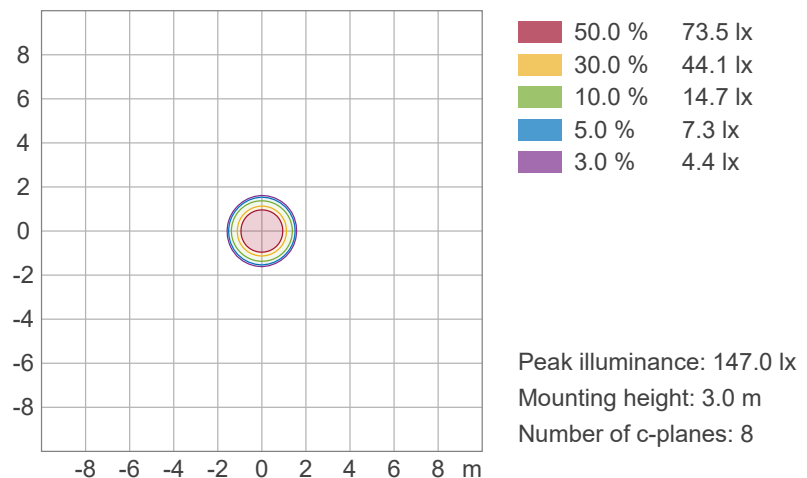


ISO Diagrams

ISO Candela Diagram

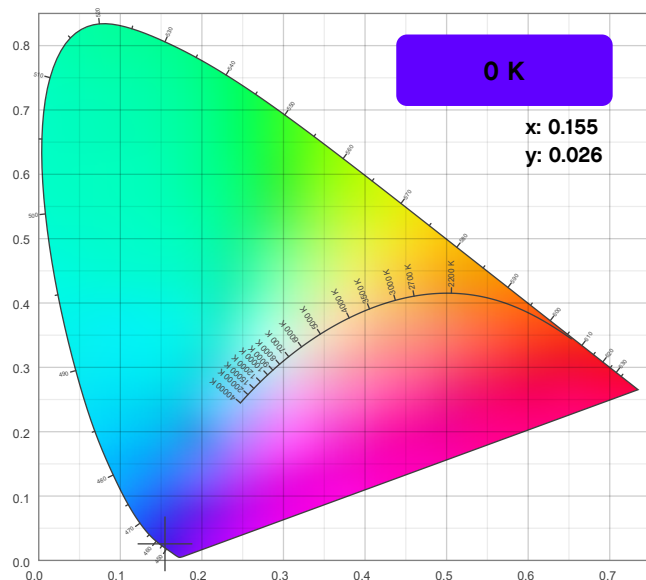


ISO Lux Diagram



COLORado 3 QZL: Full Flood - Blue Only

CIE 1931



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

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.155	0.026

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.026	0.206

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

COLORado 3 QZL: Full Flood - Blue Only

TM-30 Details

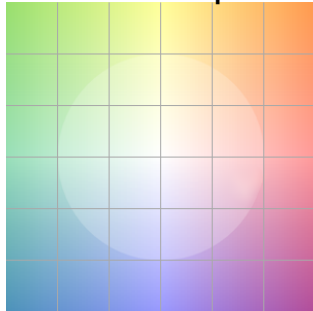
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

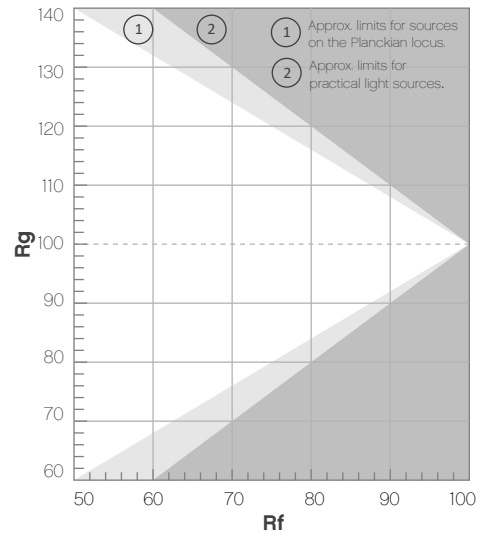
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	Rf	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Lime Only

Report Summary

Measurements

Fixture Output: 3223 lm
Fixture Peak: 8440 cd
Fixture Efficacy: 38 lm/W
Intensity @ 5m: 337 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%): 39.2°
Field Angle (10%): 52.9°
Cutoff Angle (3%): 58.6°

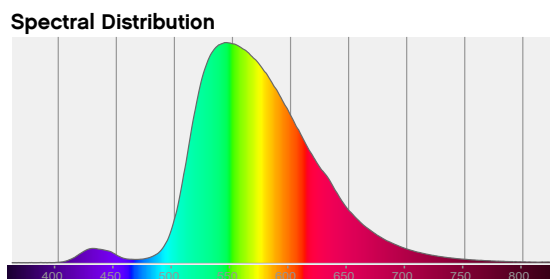
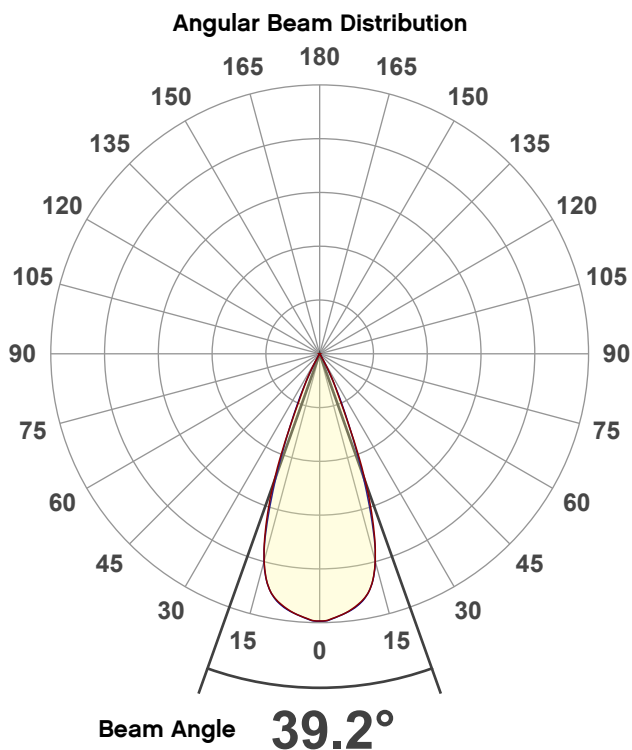


Conditions

AC Supply: 117 V, 60 Hz
Power: 86.41 W
Current: 0.741 A
Power Factor: 0.98

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 Davie, FL on 3/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.416

Y: 0.539



Light Quality

CRI: 0.0

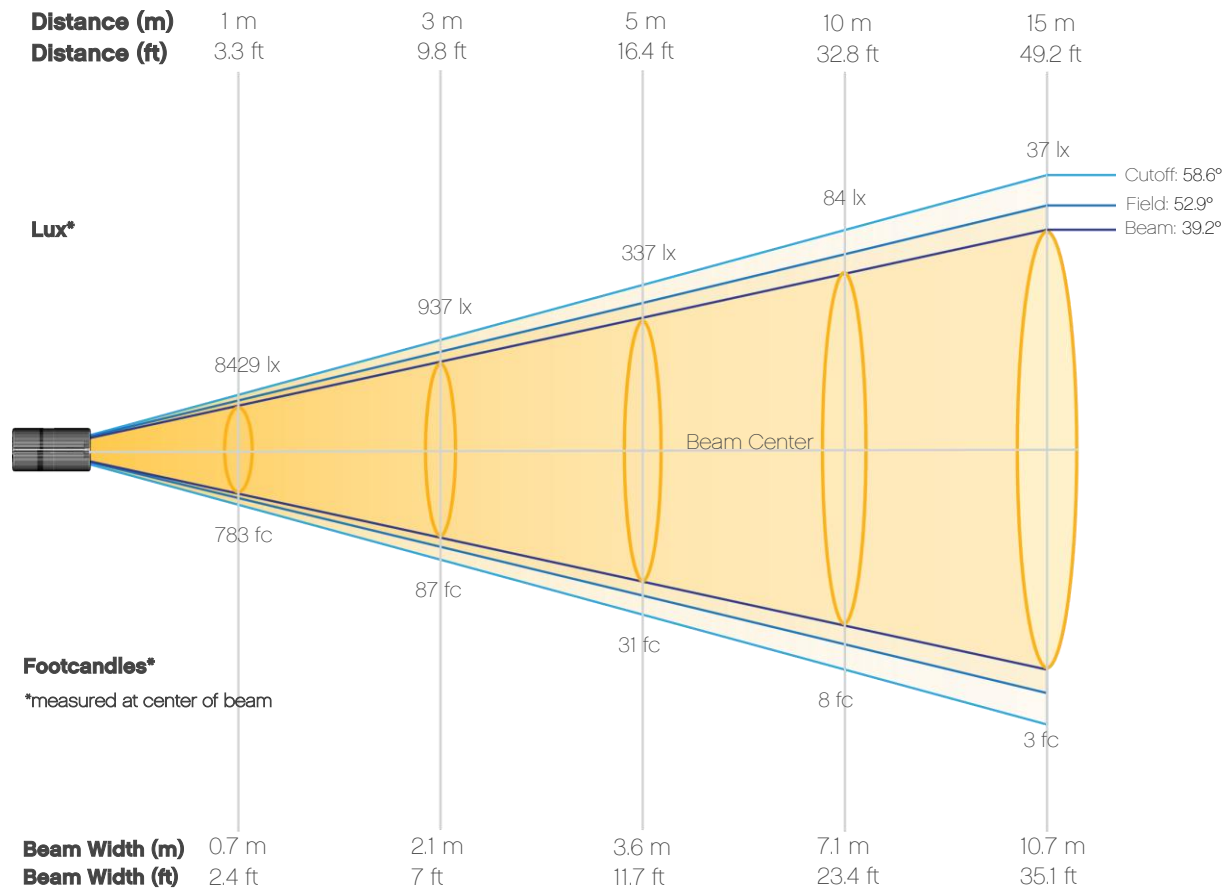
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Lime Only

Beam Details

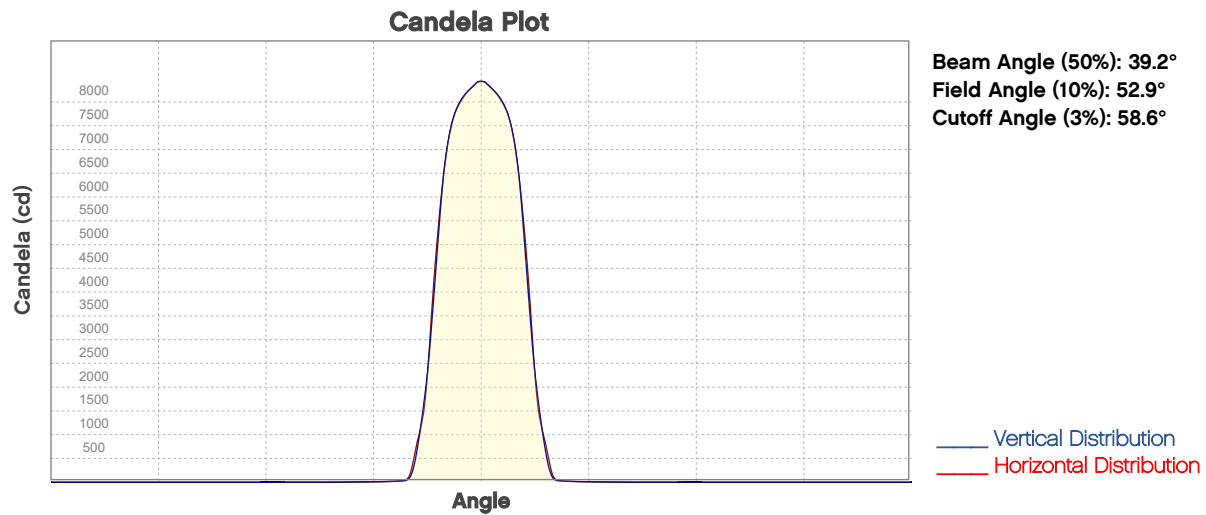


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	8429	2107	937	527	337	234	172	132	104	84
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	70	59	50	43	37	33	29	26	23	21
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	783	196	87	49	31	22	16	12	10	8
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	5	4	3	3	3	2	2	2

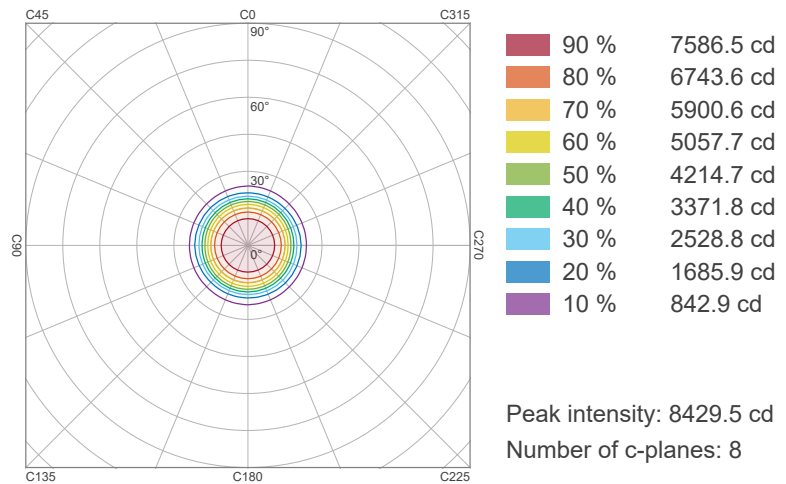
Photometric & Chromaticity Report

COLORado 3 QZL: Full Flood - Lime Only

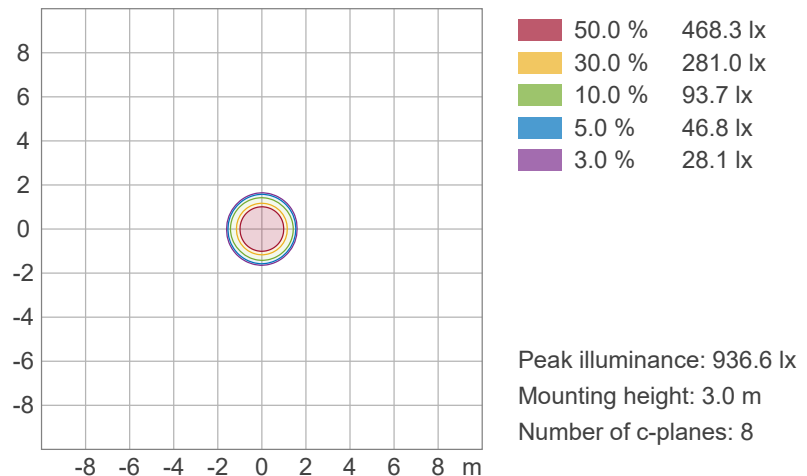


ISO Diagrams

ISO Candela Diagram

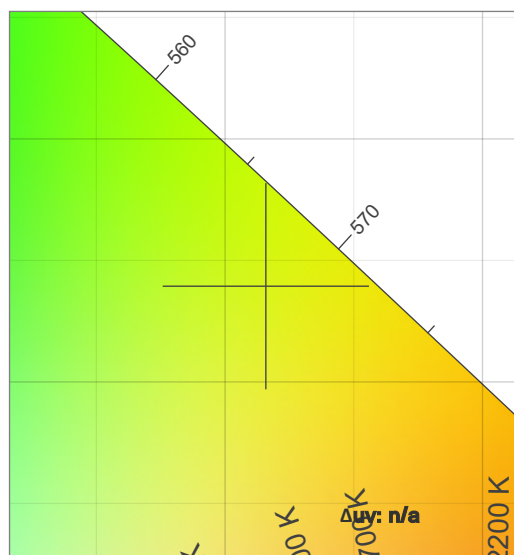
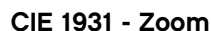


ISO Lux Diagram



COLORado 3 QZL: Full Flood - Lime Only

CIE 1931



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

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.416	0.539

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{UV}	y	u
n/a	0.539	0.192

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

COLORado 3 QZL: Full Flood - Lime Only

TM-30 Details

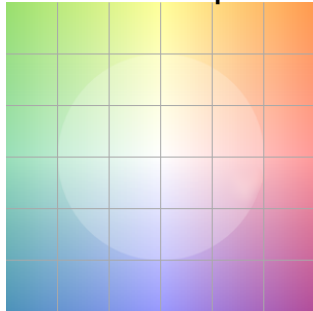
Rf 0.0

Fidelity Index
(R_f)

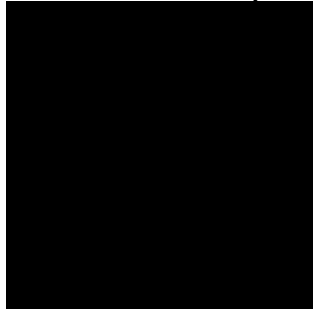
Rg 0.0

Gammut Index
(R_g)

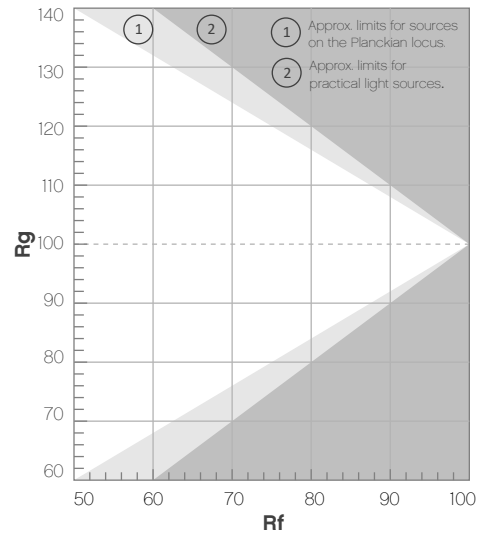
Color Vector Graphic



Color Distortion Graphic



		Graphic shifts (%)	
Hue Bin	R _f	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%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 3200K-Fan Auto

Report Summary

Measurements

Fixture Output: 3084 lm
Fixture Peak: 31493 cd
Fixture Efficacy: 27 lm/W
Intensity @ 5m: 1258 lux
Color Temperature: 2990 K
CRI: 82.9 CRI R9 Value: 45.6
CQS: 84.9
TLCI: 68
TM-30 Rf: 82.3
TM-30 Rg: 112.4
Beam Angle (50%): 19.8°
Field Angle (10%): 24.8°
Cutoff Angle (3%): 27.2°

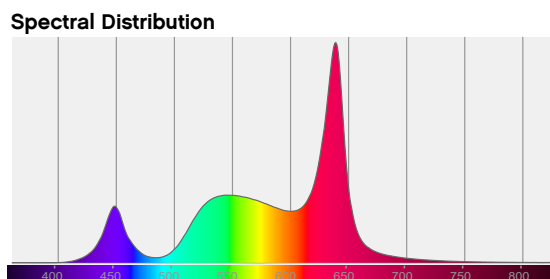
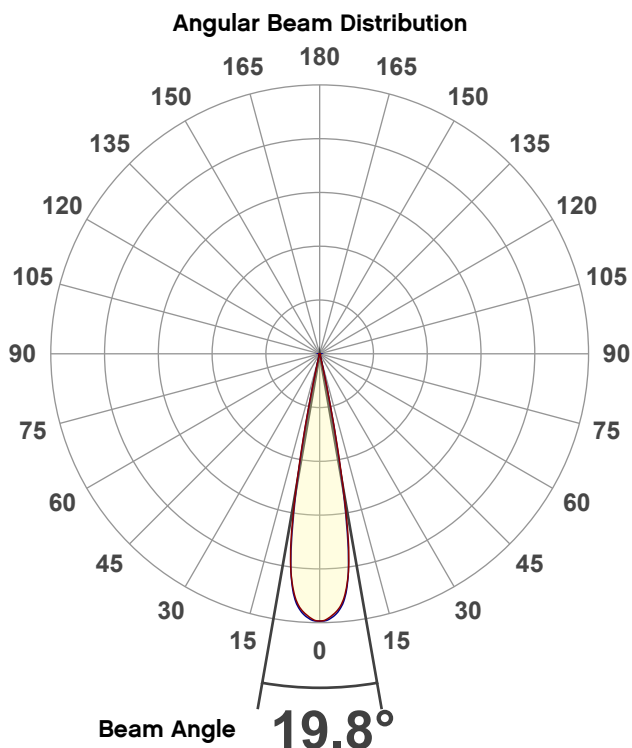


Conditions

AC Supply: 117 V, 60 Hz
Power: 114.68 W
Current: 0.981 A
Power Factor: 0.98

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 Davie, FL on 3/27/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.436

Y: 0.400



Light Quality

CRI: 82.9

Color Temperature

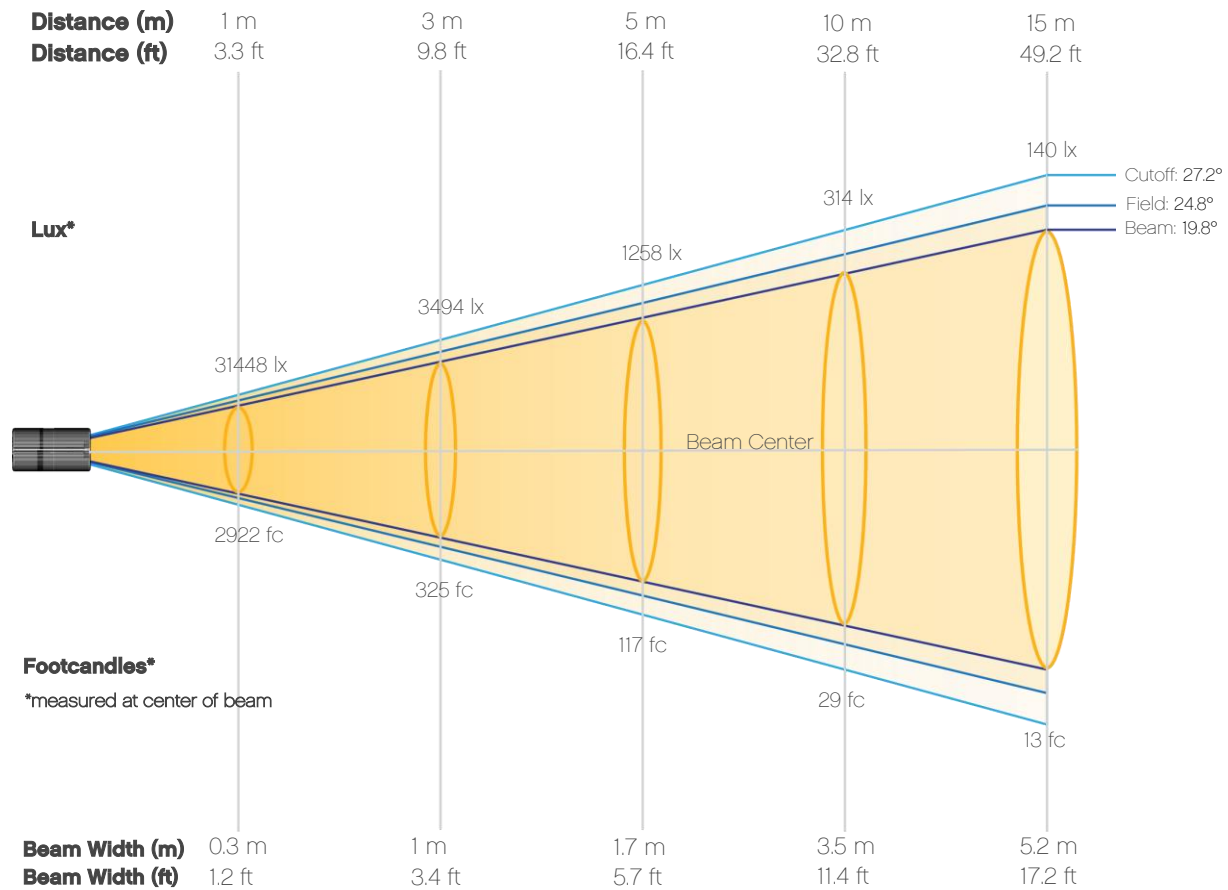
2990 K



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 3200K-Fan Auto

Beam Details

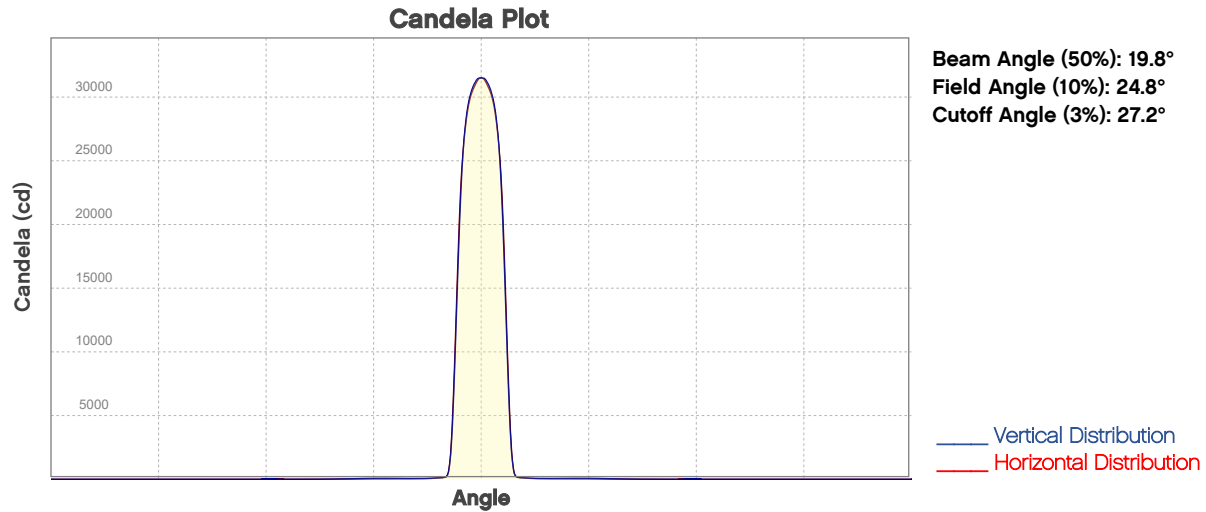


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	31448	7862	3494	1966	1258	874	642	491	388	314
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	260	218	186	160	140	123	109	97	87	79
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2922	730	325	183	117	81	60	46	36	29
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	24	20	17	15	13	11	10	9	8	7

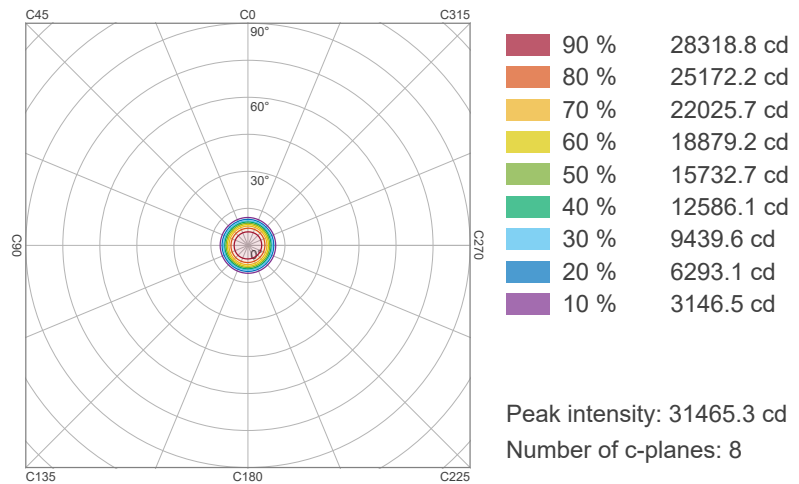
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 3200K-Fan Auto

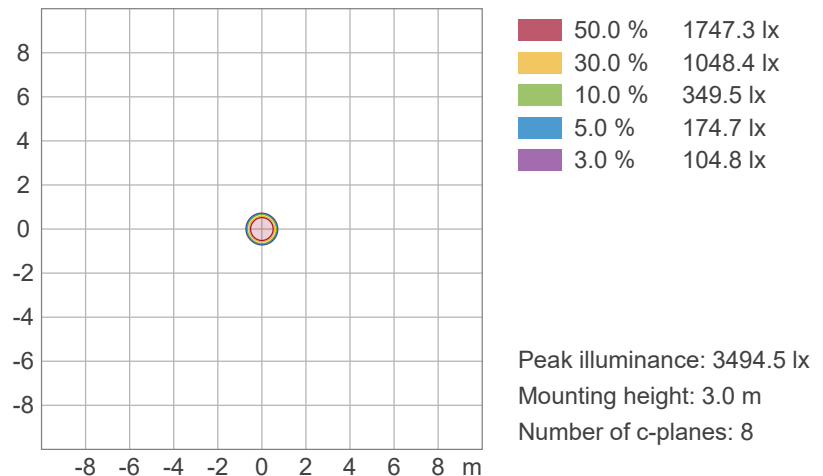


ISO Diagrams

ISO Candela Diagram



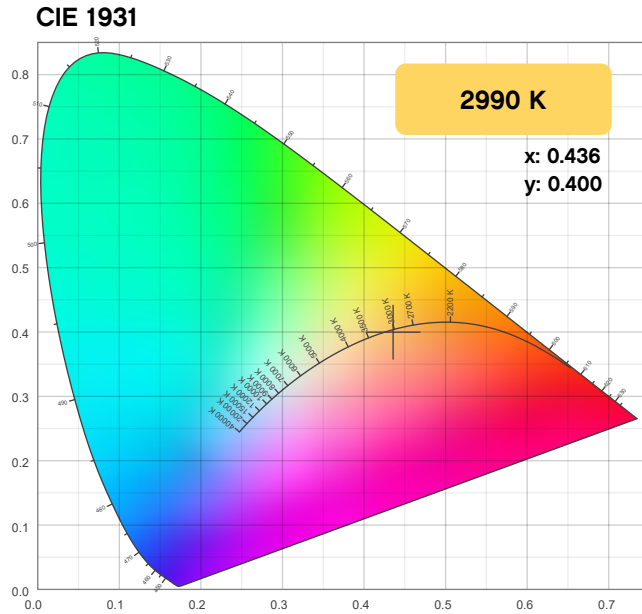
ISO Lux Diagram



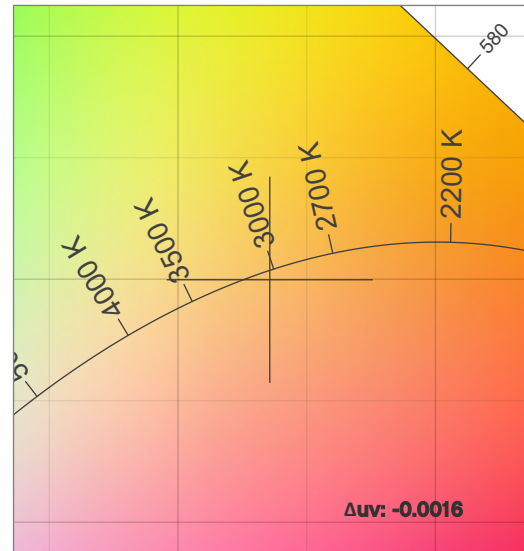
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 3200K-Fan Auto

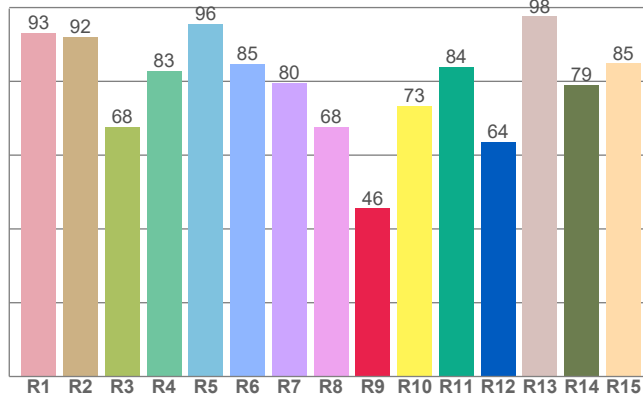
Chromaticity



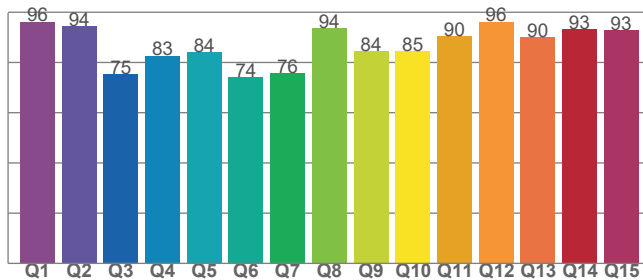
CIE 1931 - Zoom



CRI: 82.9 (R1-R8)



CQS: 84.9



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
2990 K	0.436	0.400

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0016	0.400	0.252

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
82.9	45.6	84.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
68	82.3	112.4

Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 3200K-Fan Auto

TM-30 Details

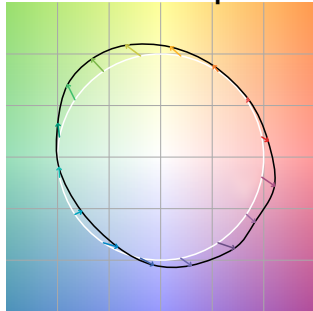
Rf 82.3

Fidelity Index
(R_f)

Rg 112.4

Gammut Index
(R_g)

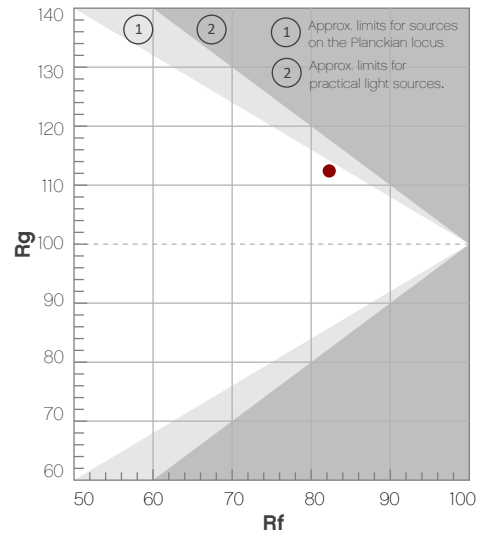
Color Vector Graphic



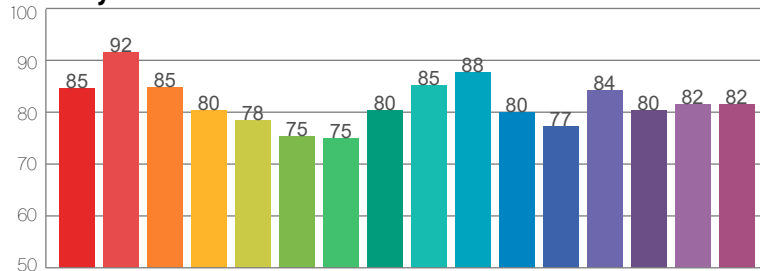
Color Distortion Graphic



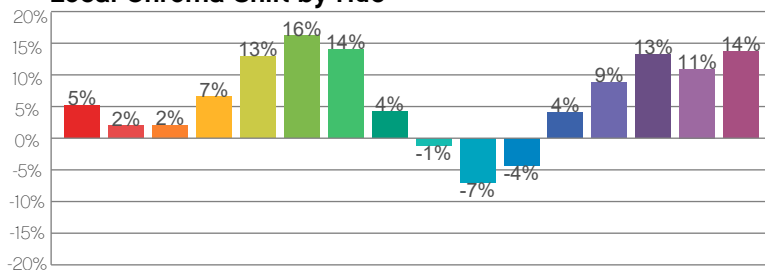
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	85	5%	-5%
2	92	2%	-2%
3	85	2%	7%
4	80	7%	11%
5	78	13%	12%
6	75	16%	3%
7	75	14%	-8%
8	80	4%	-12%
9	85	-1%	-9%
10	88	-7%	1%
11	80	-4%	14%
12	77	4%	13%
13	84	9%	8%
14	80	13%	10%
15	82	11%	-2%
16	82	14%	-6%



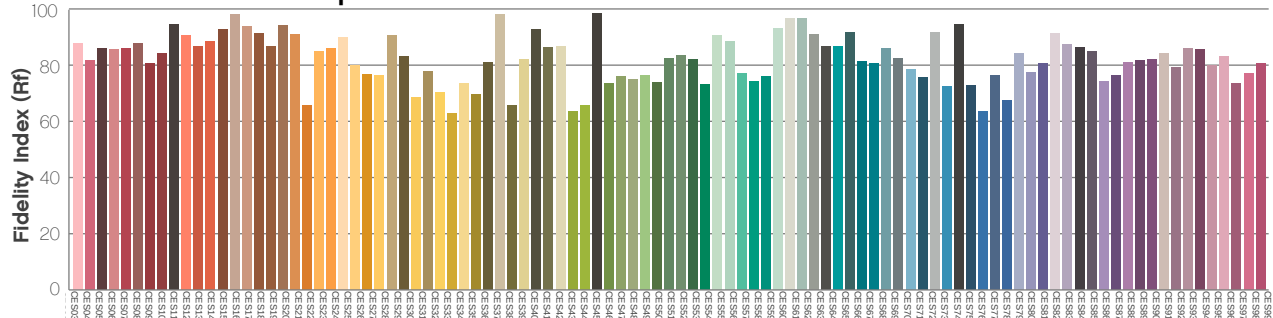
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 4000K-Fan Auto

Report Summary

Measurements

Fixture Output: 2912 lm
Fixture Peak: 29776 cd
Fixture Efficacy: 28 lm/W
Intensity @ 5m: 1190 lux
Color Temperature: 3761 K
CRI: 83.2 CRI R9 Value: 85.2
CQS: 82.3
TLCI: 68
TM-30 Rf: 80.4
TM-30 Rg: 107.3
Beam Angle (50%): 19.8°
Field Angle (10%): 24.8°
Cutoff Angle (3%): 27.2°

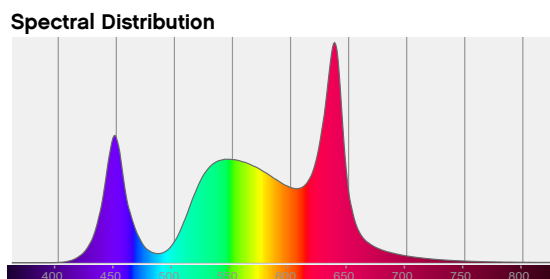
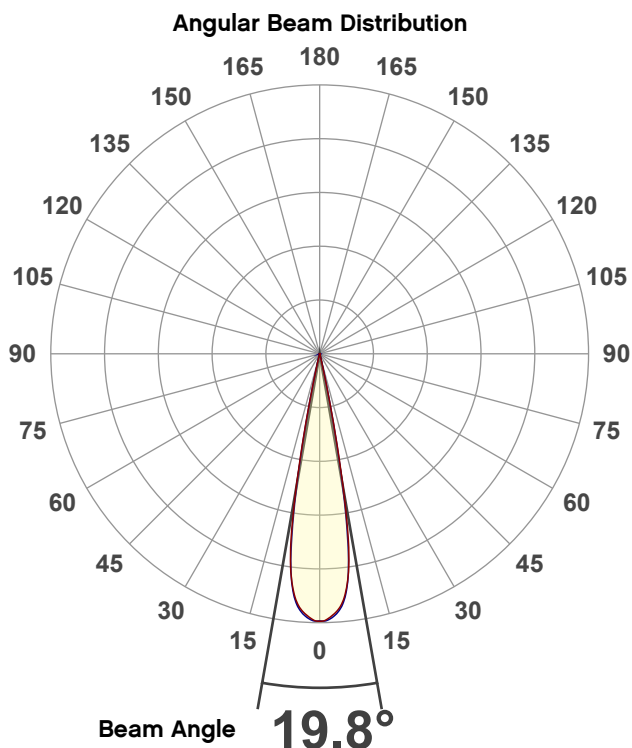


Conditions

AC Supply: 117 V, 60 Hz
Power: 104.8 W
Current: 0.892 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 3/27/2025 to LM-63-2002 Standards.

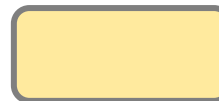
Overall Measurement



Tested Color (CIE 1931):

X: 0.390

Y: 0.378



Light Quality

CRI: 83.2

Color Temperature

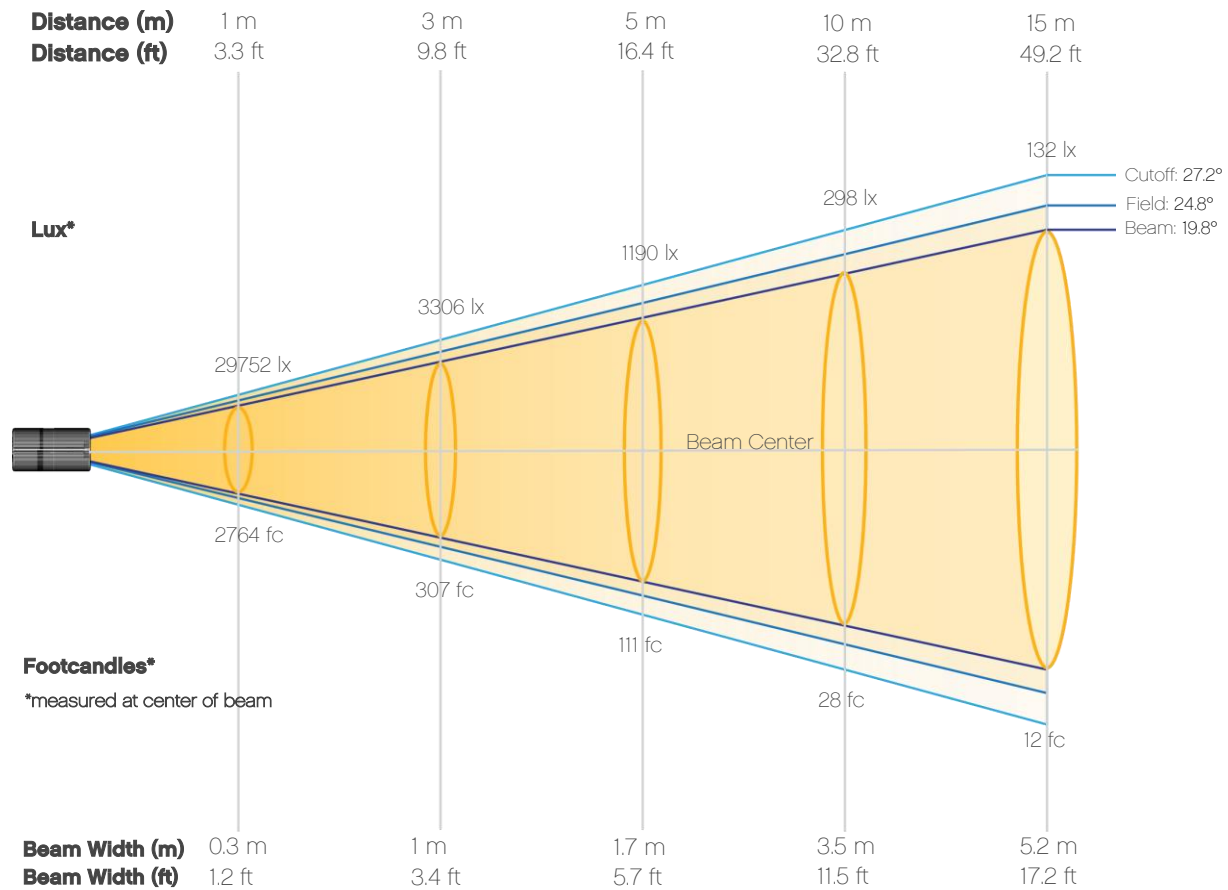
3761 K



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 4000K-Fan Auto

Beam Details

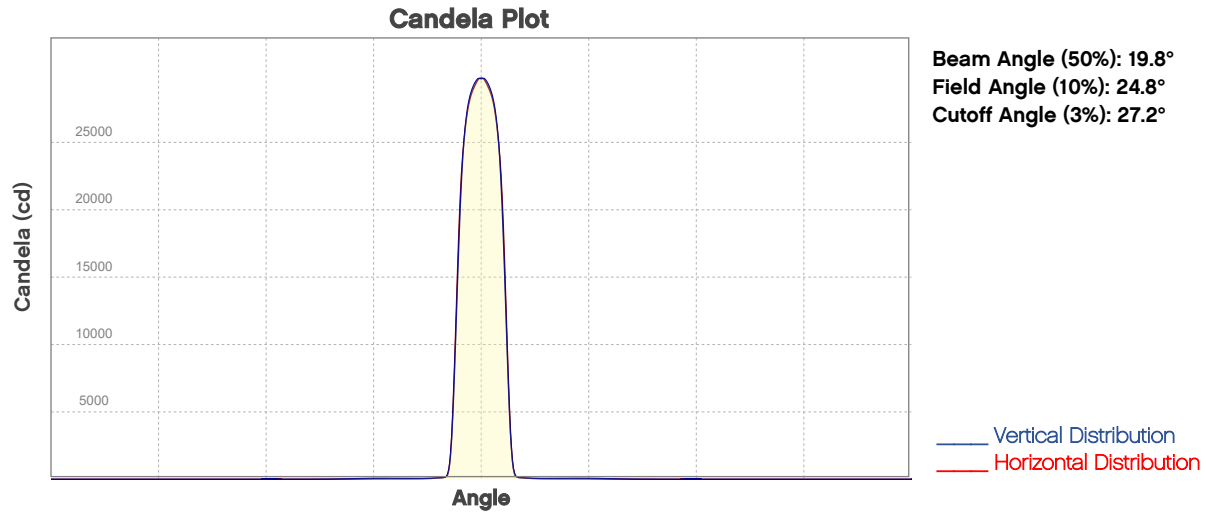


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	29752	7438	3306	1860	1190	826	607	465	367	298
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	246	207	176	152	132	116	103	92	82	74
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2764	691	307	173	111	77	56	43	34	28
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	23	19	16	14	12	11	10	9	8	7

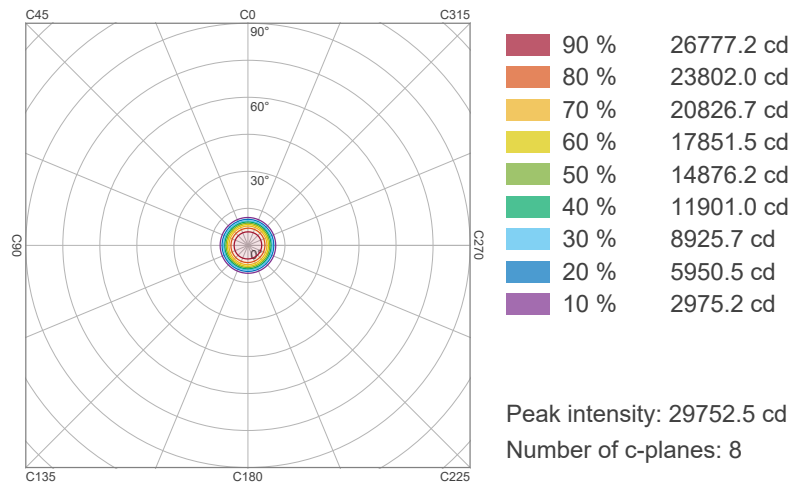
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 4000K-Fan Auto

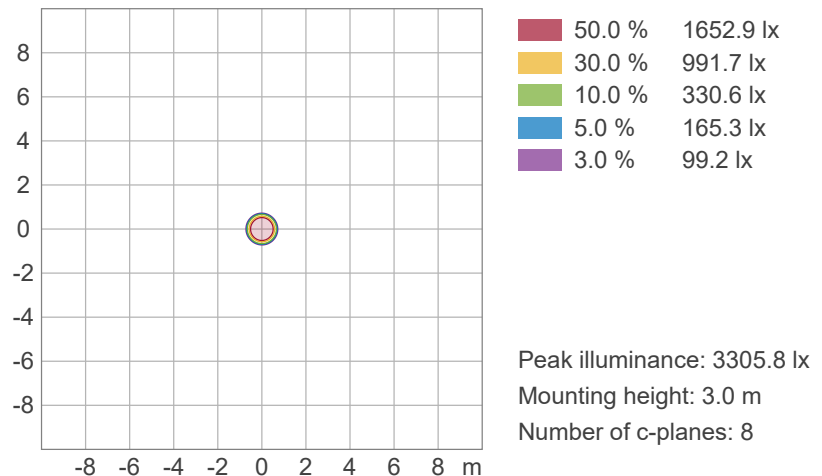


ISO Diagrams

ISO Candela Diagram



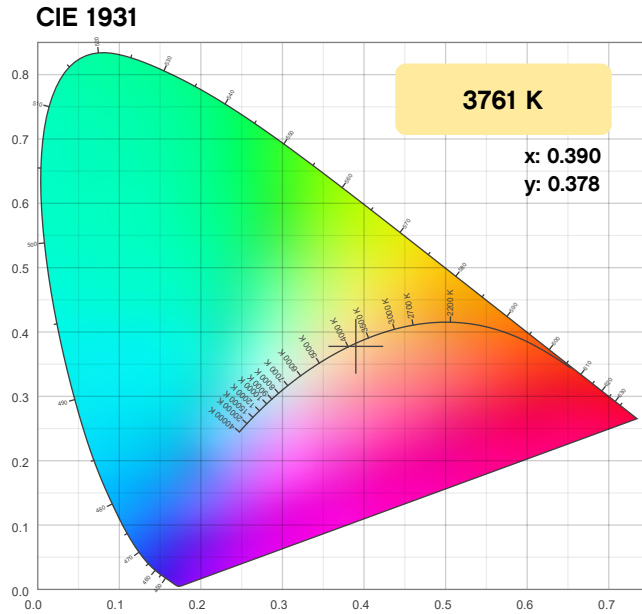
ISO Lux Diagram



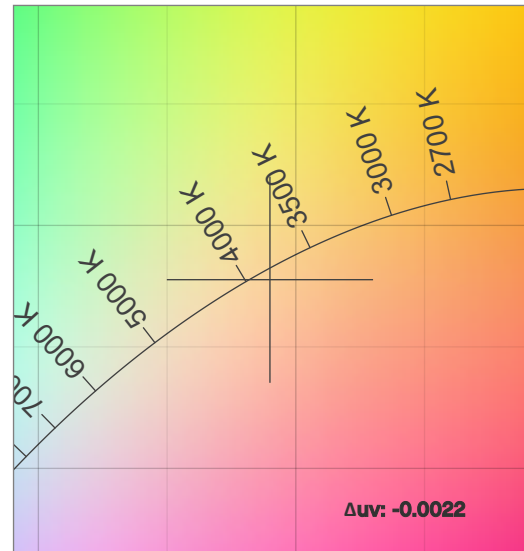
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 4000K-Fan Auto

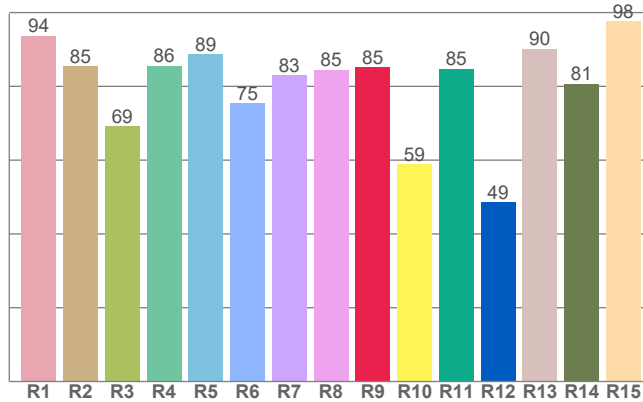
Chromaticity



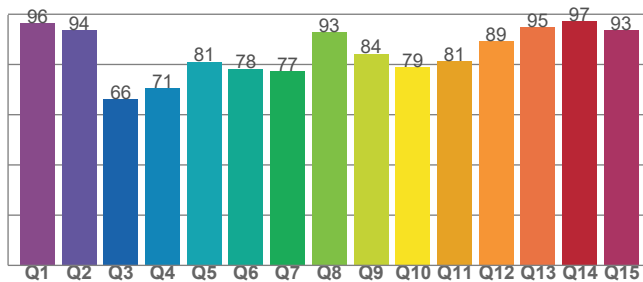
CIE 1931 - Zoom



CRI: 83.2 (R1-R8)



CQS: 82.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3761 K	0.390	0.378

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0022	0.378	0.231

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
83.2	85.2	82.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
68	80.4	107.3

Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 4000K-Fan Auto

TM-30 Details

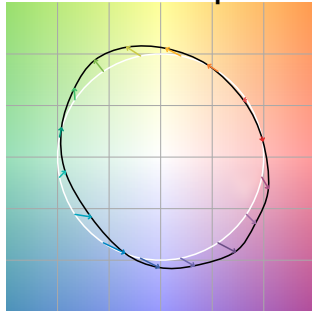
Rf 80.4

Fidelity Index
(R_f)

Rg 107.3

Gammut Index
(R_g)

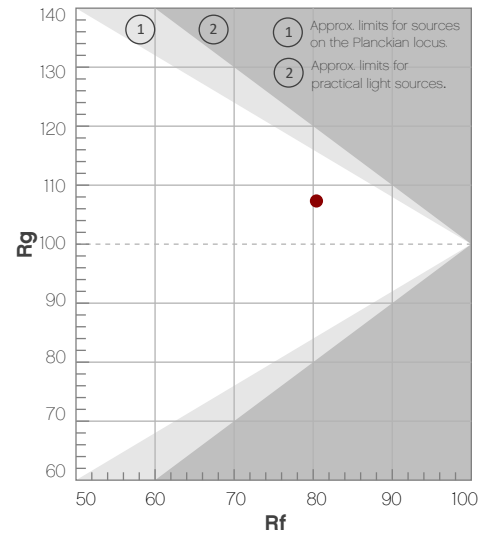
Color Vector Graphic



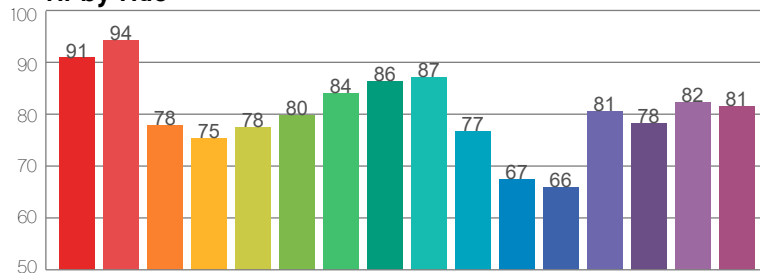
Color Distortion Graphic



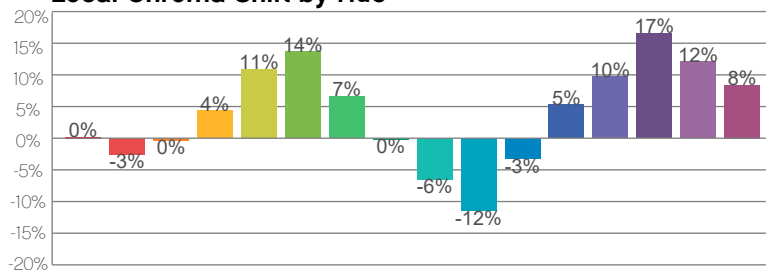
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	0%	-4%
2	94	-3%	1%
3	78	0%	11%
4	75	4%	15%
5	78	11%	11%
6	80	14%	1%
7	84	7%	-9%
8	86	0%	-9%
9	87	-6%	-5%
10	77	-12%	11%
11	67	-3%	22%
12	66	5%	19%
13	81	10%	11%
14	78	17%	9%
15	82	12%	-2%
16	81	8%	-9%



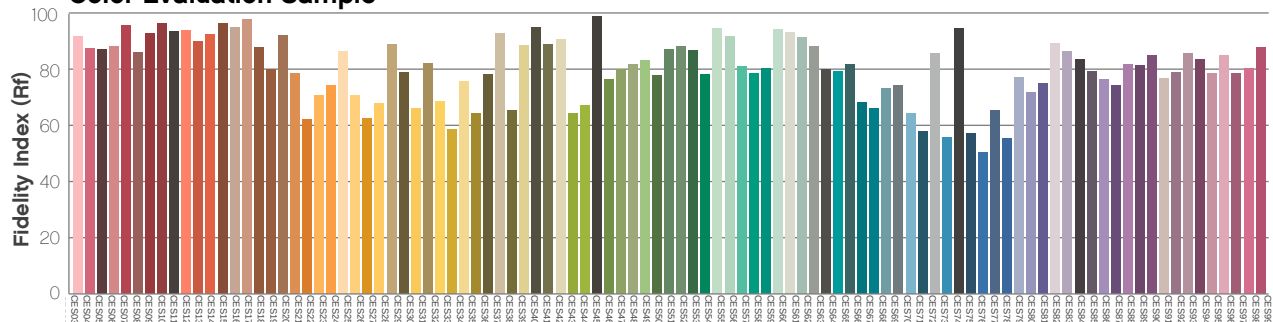
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 5600K-Fan Auto

Report Summary

Measurements

Fixture Output: 2960 lm
Fixture Peak: 30464 cd
Fixture Efficacy: 26 lm/W
Intensity @ 5m: 1217 lux
Color Temperature: 5248 K
CRI: 80.2 CRI R9 Value: 79.2
CQS: 77.7
TLCI: 67
TM-30 Rf: 77.0
TM-30 Rg: 104.1
Beam Angle (50%): 19.8°
Field Angle (10%): 24.8°
Cutoff Angle (3%): 27.1°

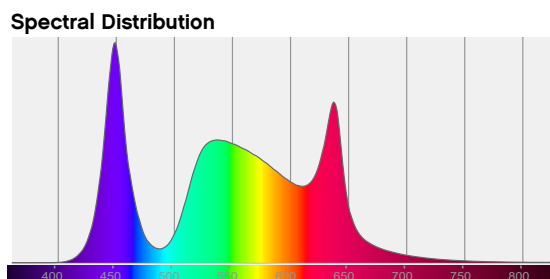
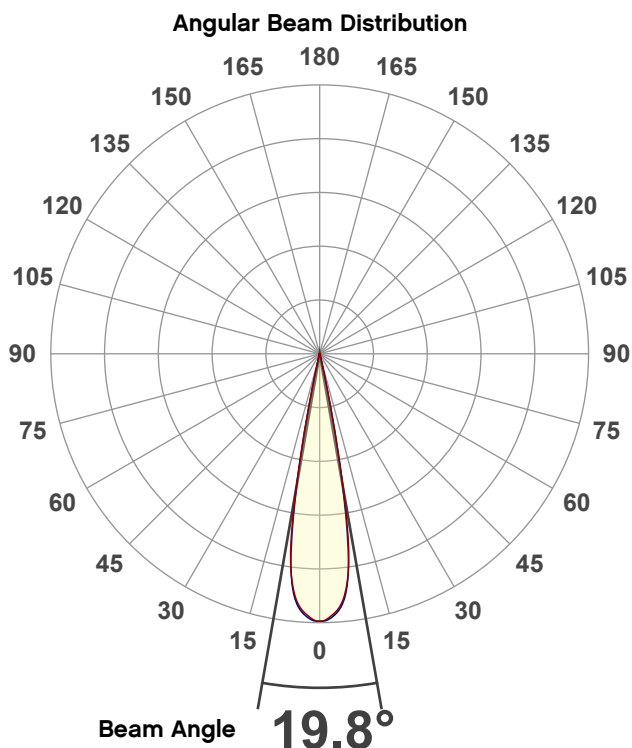


Conditions

AC Supply: 117 V, 60 Hz
Power: 115.24 W
Current: 0.986 A
Power Factor: 0.98

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 Davie, FL on 3/27/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.339

Y: 0.344



Light Quality

CRI: 80.2

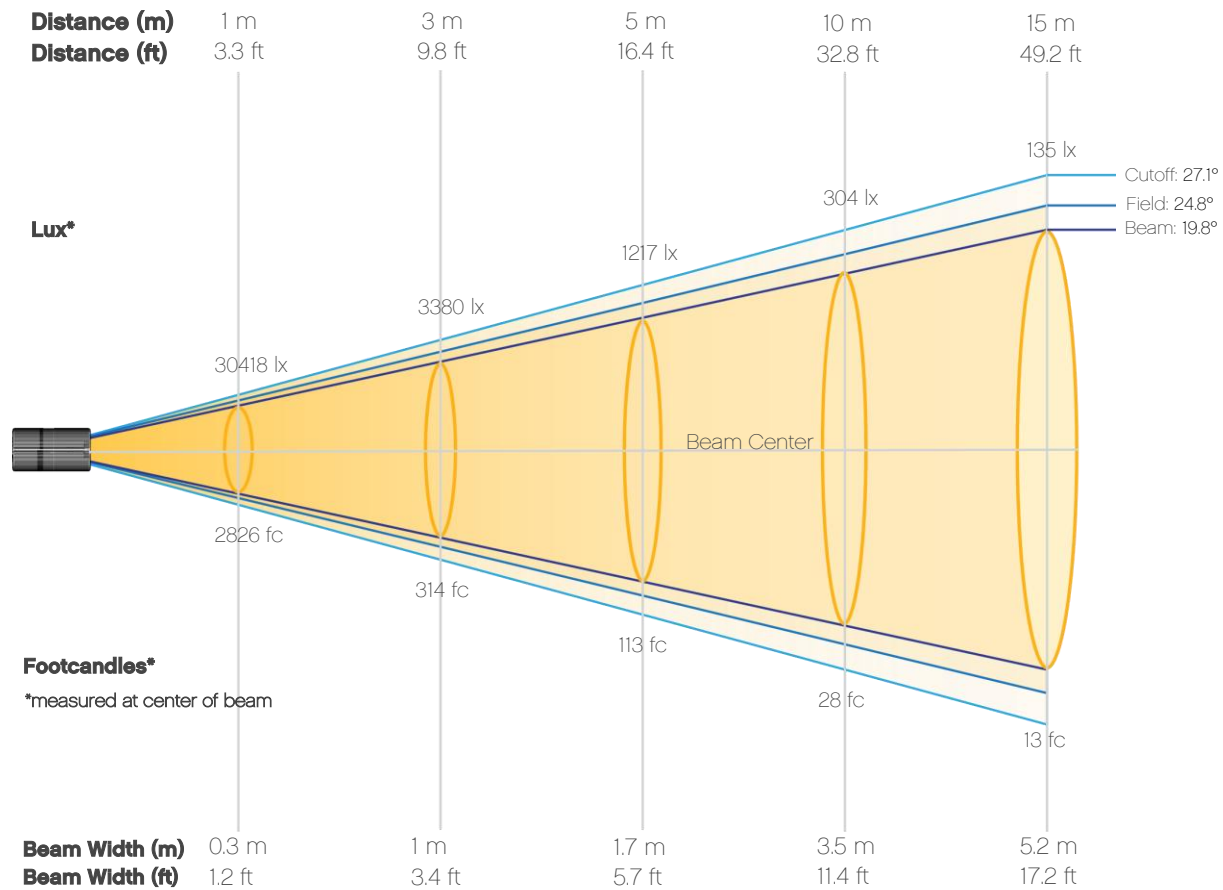
Color Temperature

5248 K

Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 5600K-Fan Auto

Beam Details

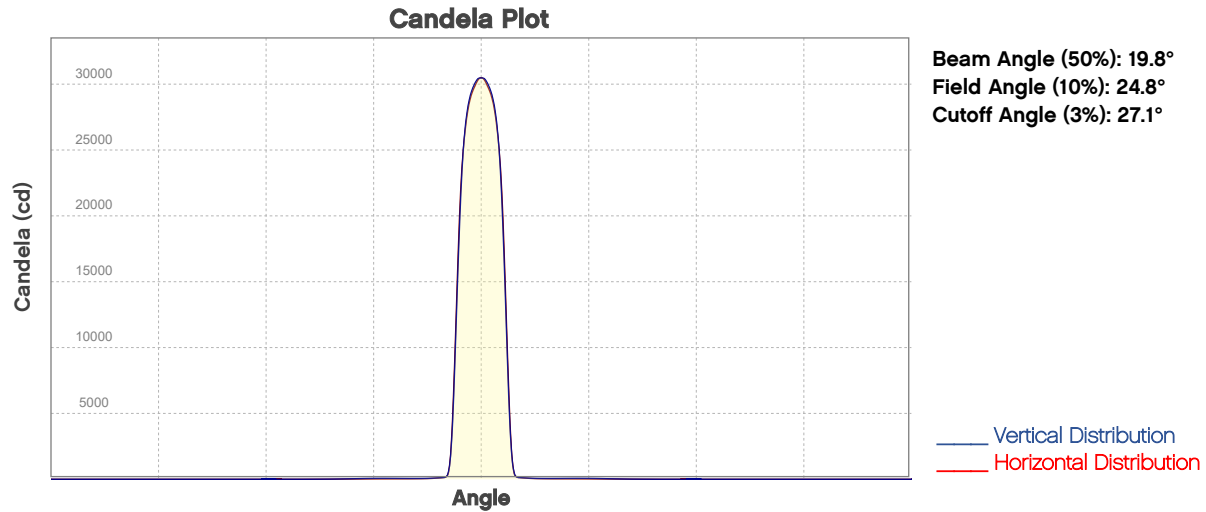


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	30418	7604	3380	1901	1217	845	621	475	376	304
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	251	211	180	155	135	119	105	94	84	76
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2826	706	314	177	113	78	58	44	35	28
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	23	20	17	14	13	11	10	9	8	7

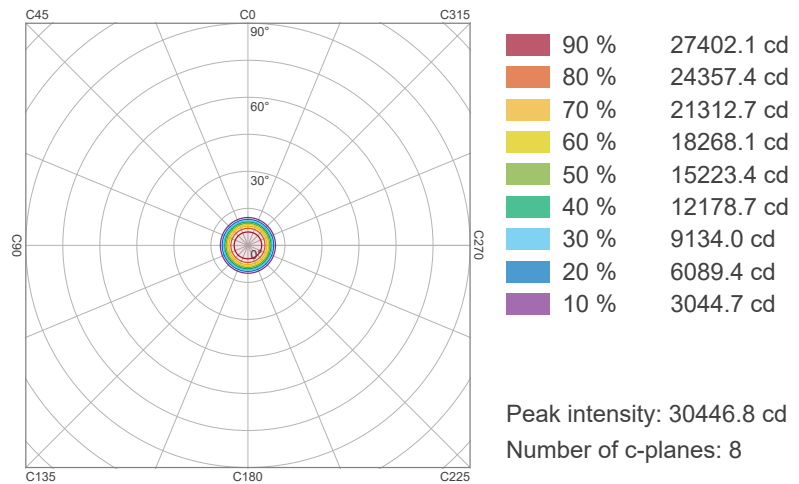
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 5600K-Fan Auto

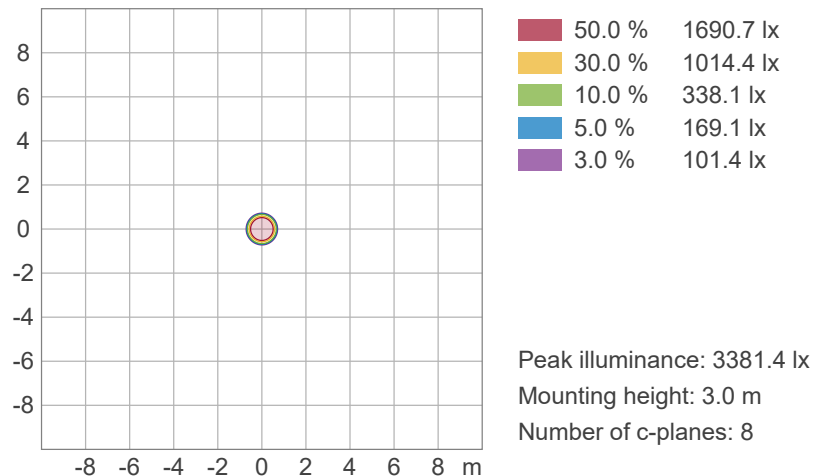


ISO Diagrams

ISO Candela Diagram



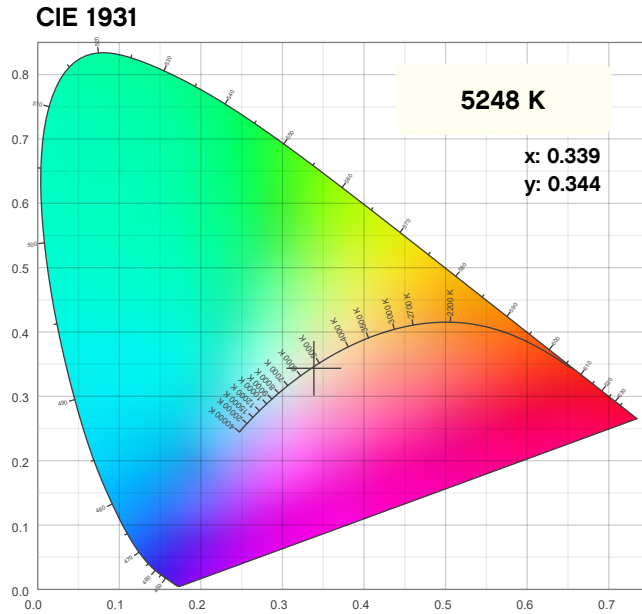
ISO Lux Diagram



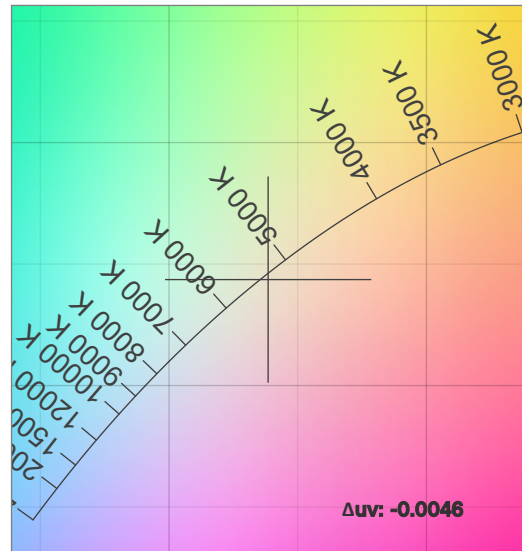
Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 5600K-Fan Auto

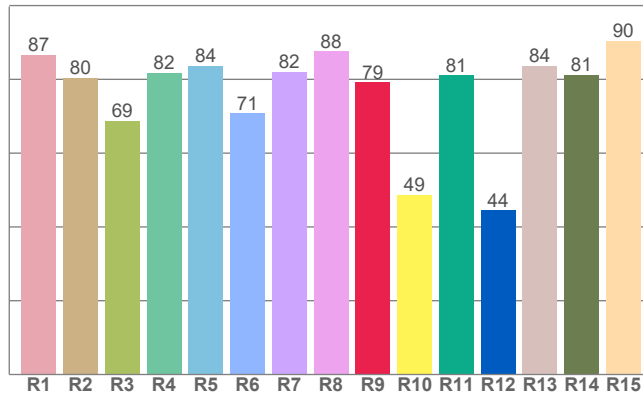
Chromaticity



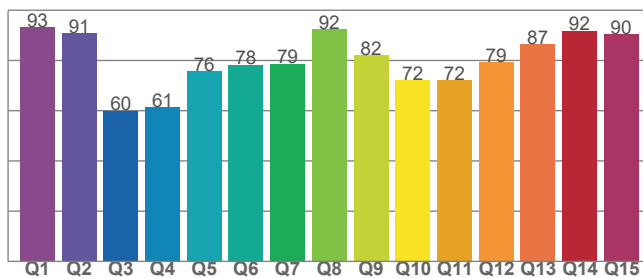
CIE 1931 - Zoom



CRI: 80.2 (R1-R8)



CQS: 77.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5248 K	0.339	0.344

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0046	0.344	0.210

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
80.2	79.2	77.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
67	77.0	104.1

Photometric & Chromaticity Report

COLORado 3 QZL: 50% Zoom - 5600K-Fan Auto

TM-30 Details

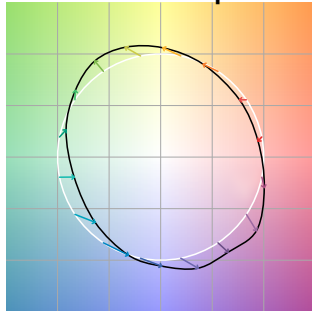
Rf 77.0

Fidelity Index
(Rg)

Rg 104.1

Gammut Index
(Rg)

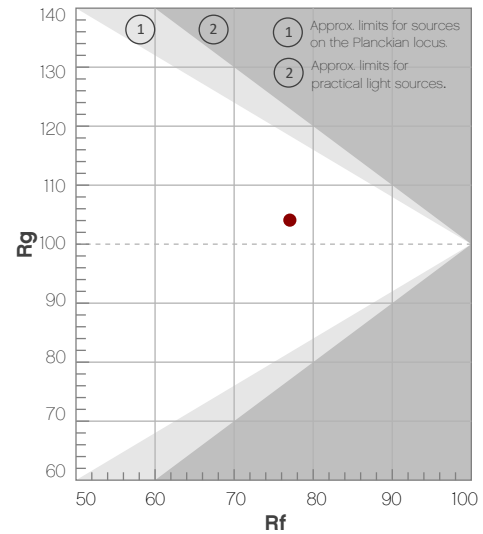
Color Vector Graphic



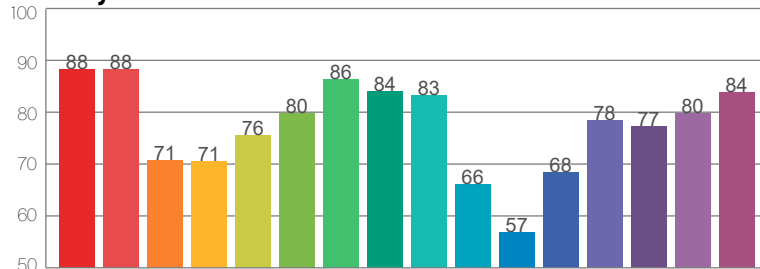
Color Distortion Graphic



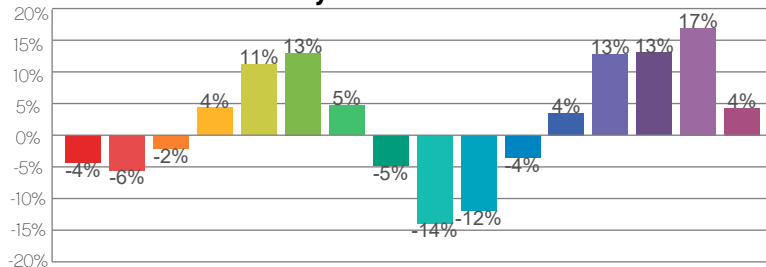
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	88	-4%	-3%
2	88	-6%	4%
3	71	-2%	16%
4	71	4%	18%
5	76	11%	13%
6	80	13%	1%
7	86	5%	-8%
8	84	-5%	-8%
9	83	-14%	3%
10	66	-12%	17%
11	57	-4%	27%
12	68	4%	22%
13	78	13%	15%
14	77	13%	3%
15	80	17%	-8%
16	84	4%	-9%



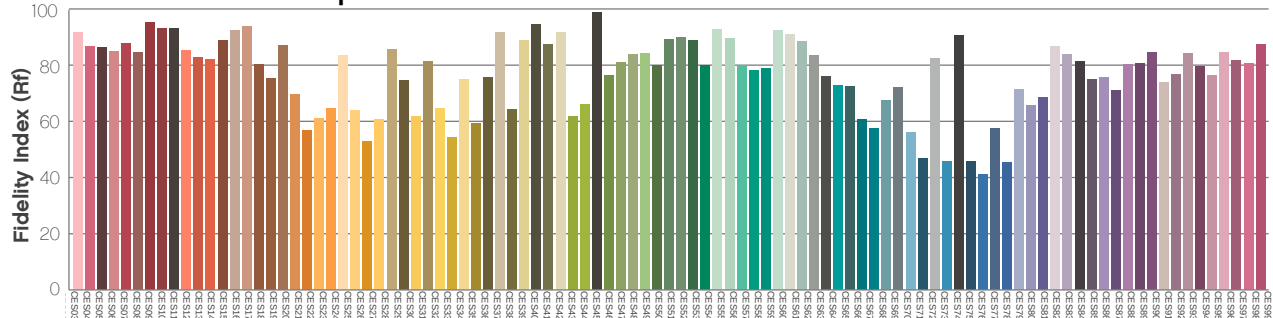
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Contact Us

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

