

ROGUE



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.

ROGUE



Photometrics & Chromaticity Reports

Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

Report Summary

Measurements

Fixture Output: 15705 lm
Fixture Peak: 62294 cd
Fixture Efficacy: 37 lm/W
Intensity @ 5m: 2492 lux
Color Temperature: 8488 K
CRI: 68.3 CRI R9 Value: -31.5
CQS: 68.7
TLCI: 42
TM-30 Rf: 67.7
TM-30 Rg: 95.6
Beam Angle (50%): 33.8°
Field Angle (10%): 39.3°
Cutoff Angle (3%): 42.8°

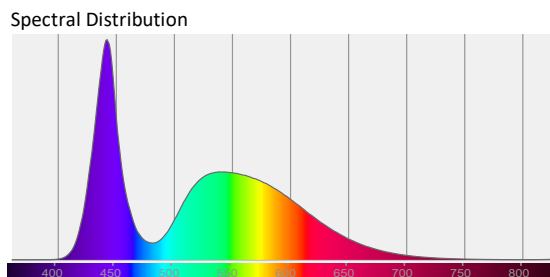
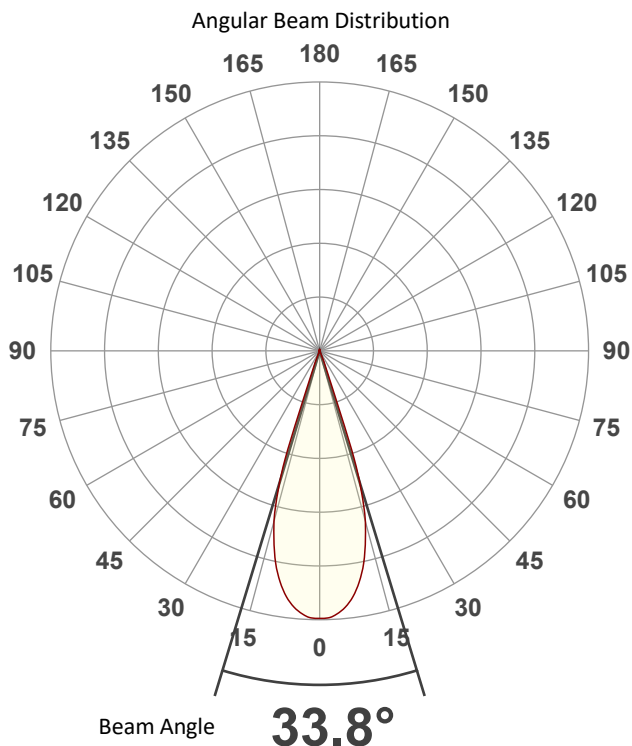
Conditions

AC Supply: 114 V, 60 Hz
Power: 427.85 W
Current: 3.76 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

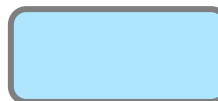
Overall Measurement



Tested Color (CIE 1931):

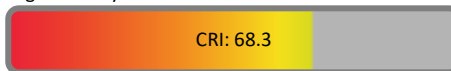
X: 0.291

Y: 0.301



Light Quality

CRI: 68.3



Color Temperature

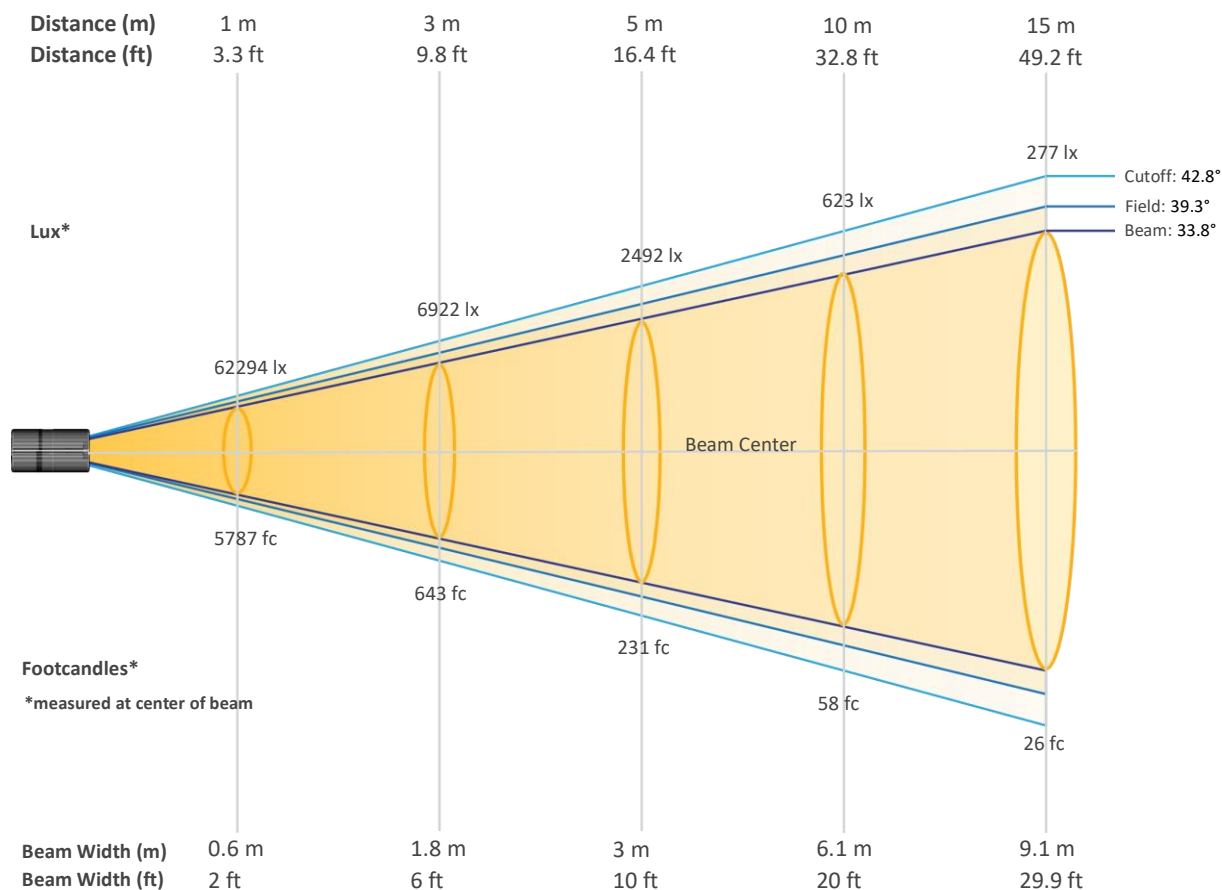
8488 K



Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

Beam Details

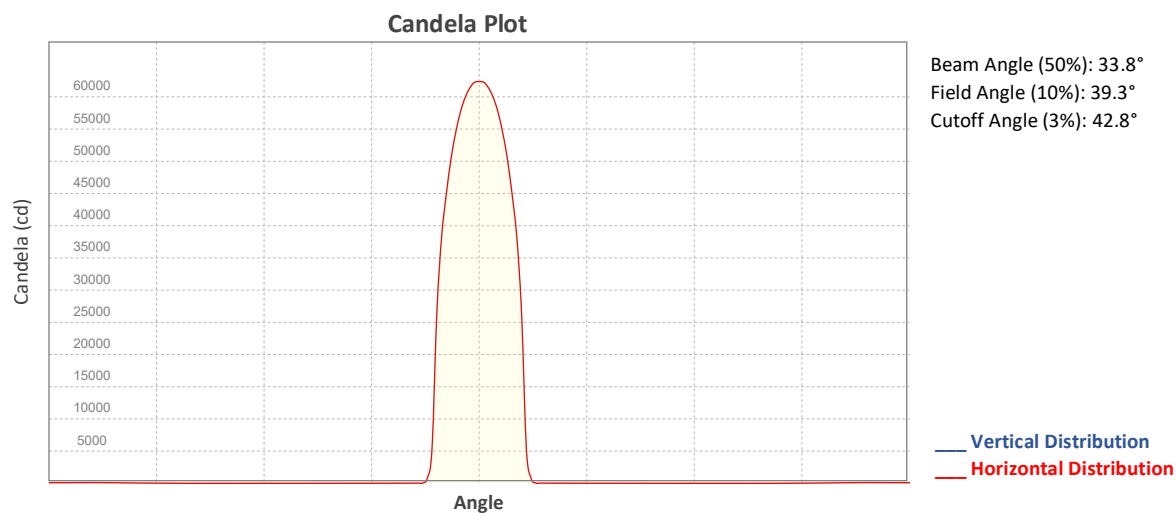


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	62294	15574	6922	3893	2492	1730	1271	973	769	623
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	515	433	369	318	277	243	216	192	173	156
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5787	1447	643	362	231	161	118	90	71	58
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	48	40	34	30	26	23	20	18	16	14

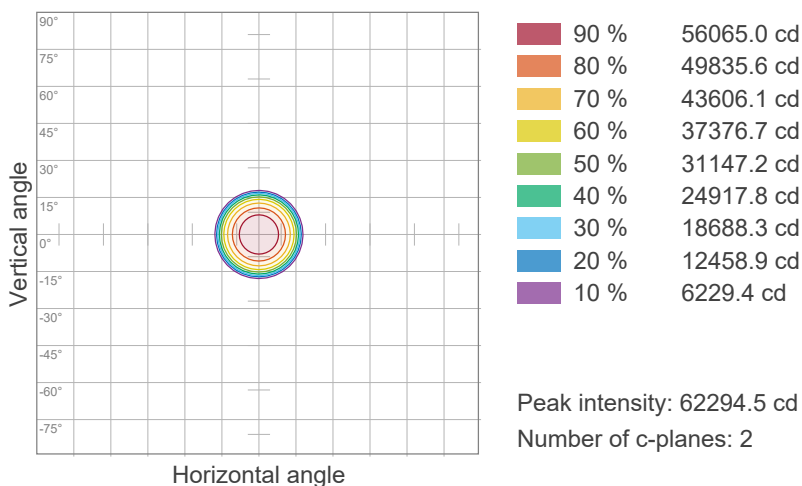
Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

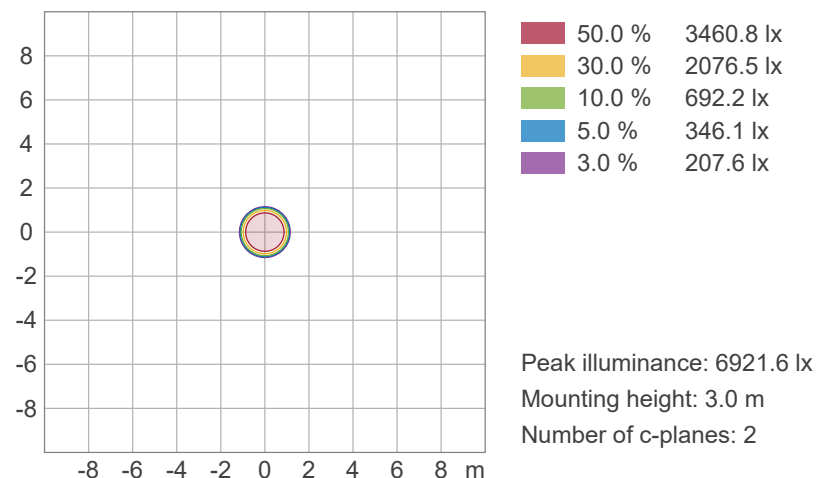


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

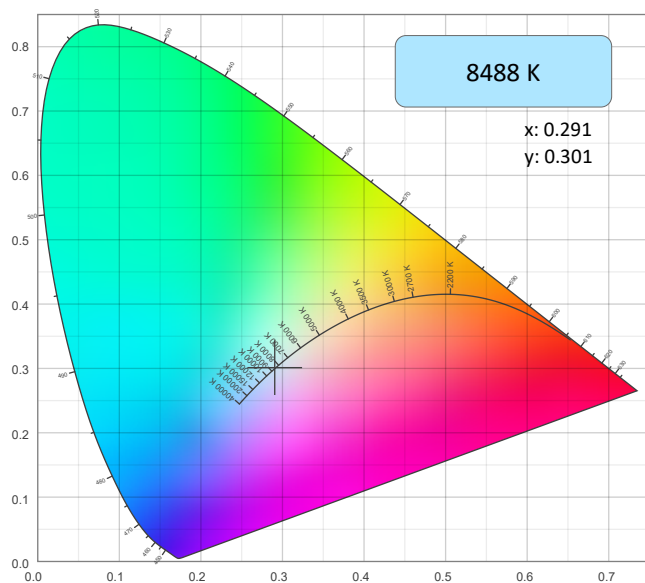


Photometric & Chromaticity Report

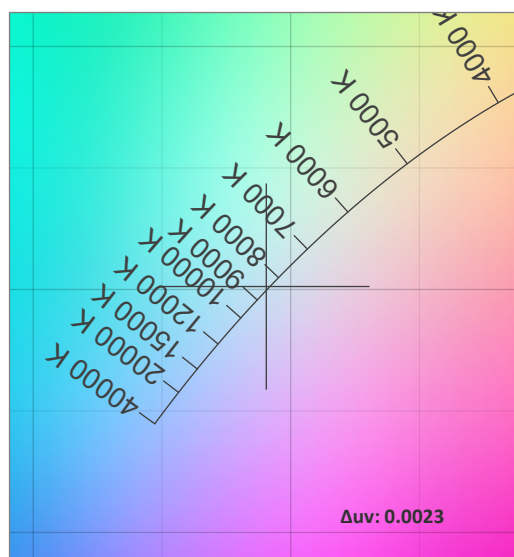
Rogue R3E Spot: Full Flood - Full Power

Chromaticity

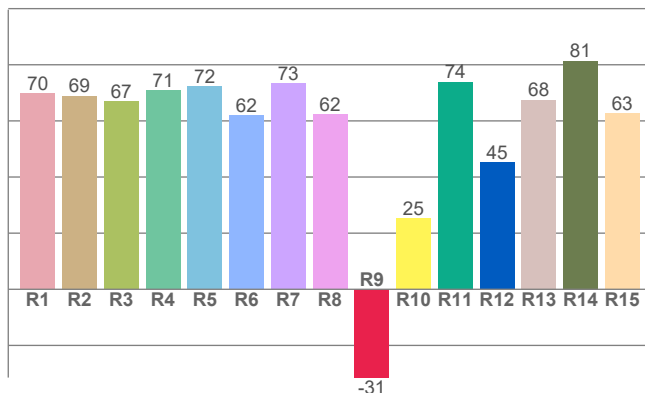
CIE 1931



CIE 1931 - Zoom



CRI: 68.3 (R1-R8)

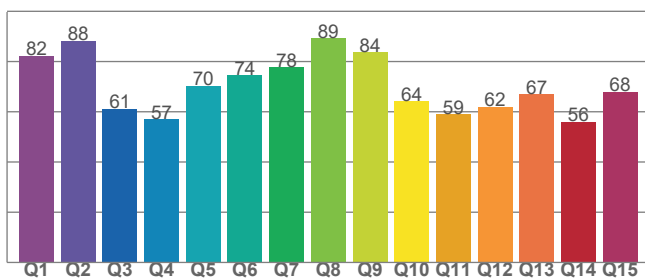


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8488 K	0.291	0.301

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0023	0.301	0.193

CQS: 68.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.3	-31.5	68.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
42	67.7	95.6

Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

TM-30 Details

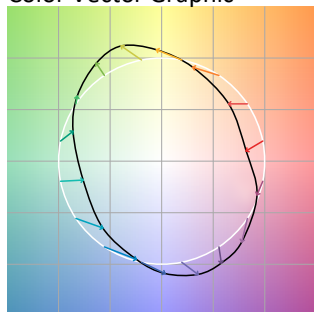
Rf 67.7

Fidelity Index
(Rg)

Rg 95.6

Gamut Index (Rg)

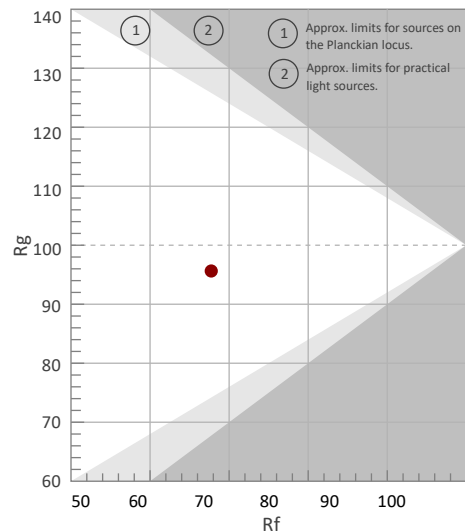
Color Vector Graphic



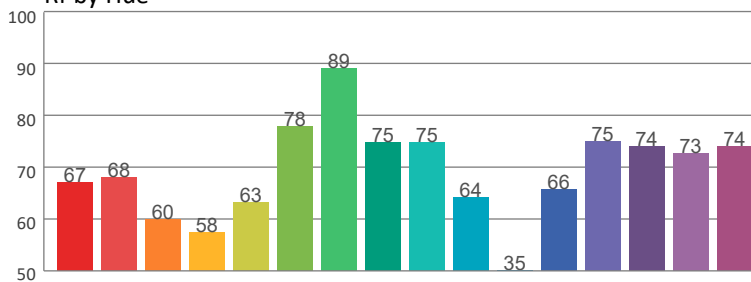
Color Distortion Graphic



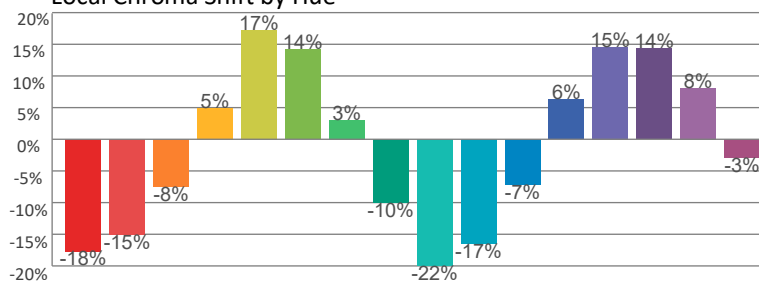
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	67	-18%	-6%
2	68	-15%	10%
3	60	-8%	25%
4	58	5%	26%
5	63	17%	17%
6	78	14%	0%
7	89	3%	-7%
8	75	-10%	-12%
9	75	-22%	3%
10	64	-17%	22%
11	35	-7%	32%
12	66	6%	24%
13	75	15%	13%
14	74	14%	-7%
15	73	8%	-22%
16	74	-3%	-14%



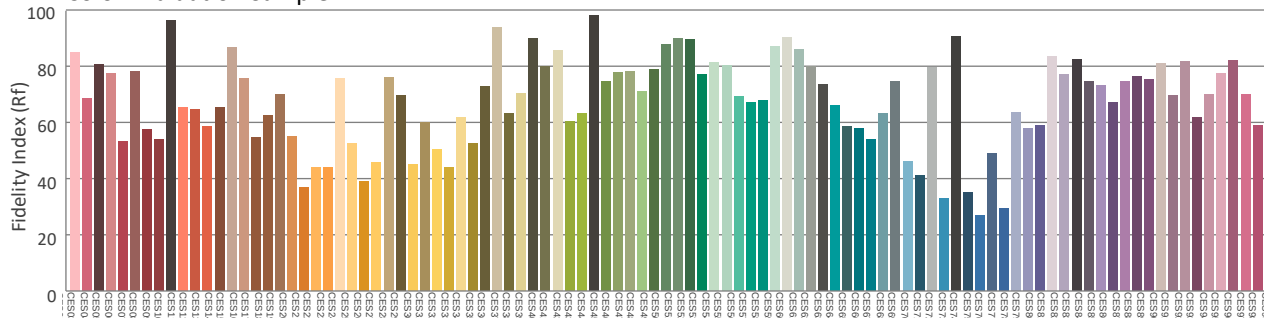
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

Report Summary

Measurements

Fixture Output: 15860 lm
Fixture Peak: 62307 cd
Fixture Efficacy: 38 lm/W
Intensity @ 5m: 2492 lux
Color Temperature: 8479 K
CRI: 68.3 CRI R9 Value: -31.7
CQS: 68.7
TLCI: 42
TM-30 Rf: 67.8
TM-30 Rg: 95.6
Beam Angle (50%): 34°
Field Angle (10%): 40.4°
Cutoff Angle (3%): 43.2°

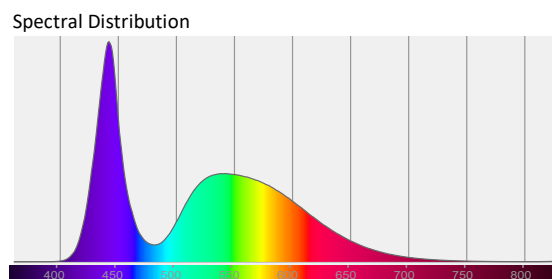
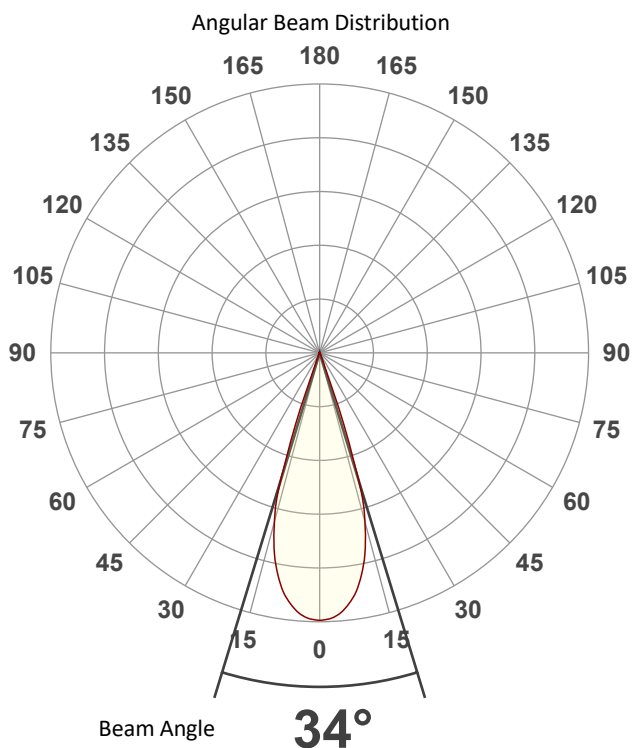
Conditions

AC Supply: 114 V, 60 Hz
Power: 424.35 W
Current: 3.73 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

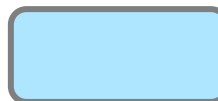
Overall Measurement



Tested Color (CIE 1931):

X: 0.291

Y: 0.301



Light Quality

CRI: 68.3

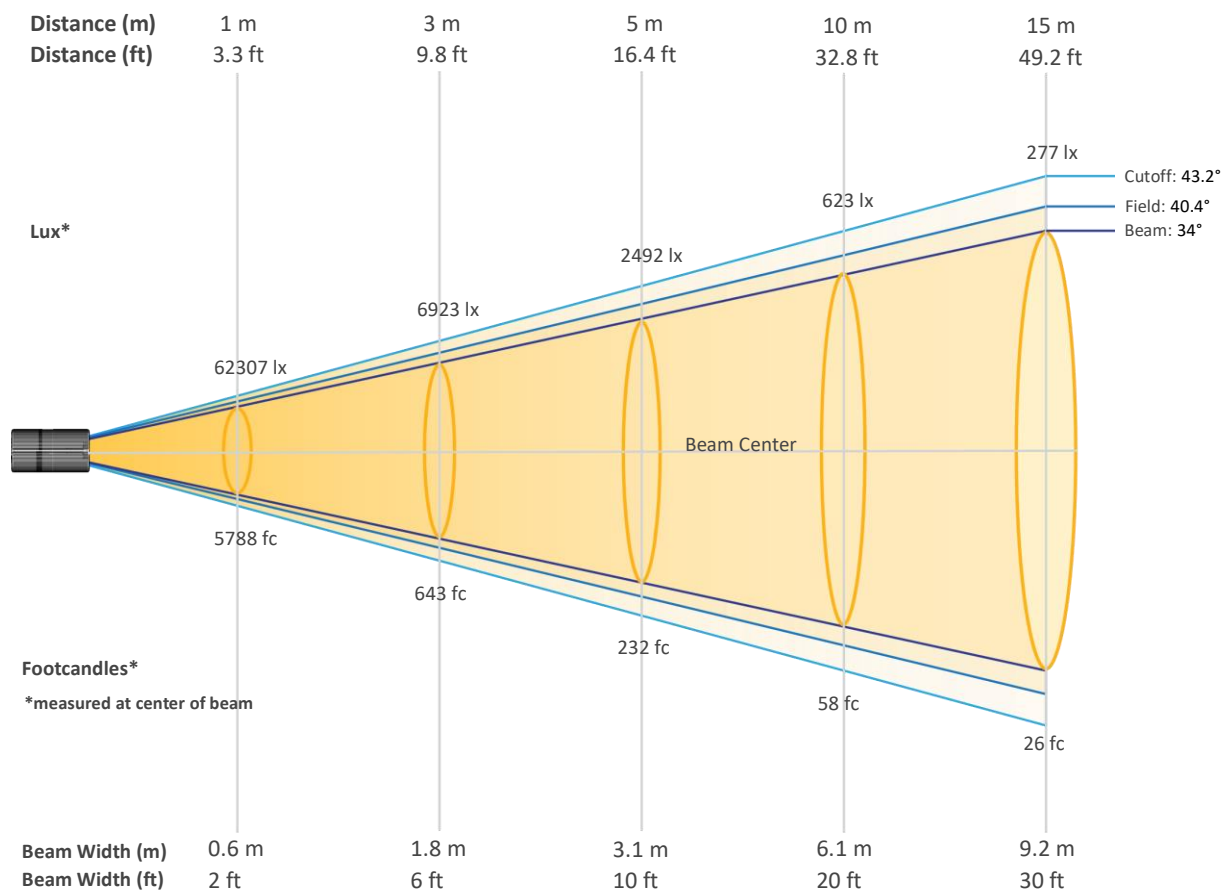
Color Temperature

8479 K

Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

Beam Details

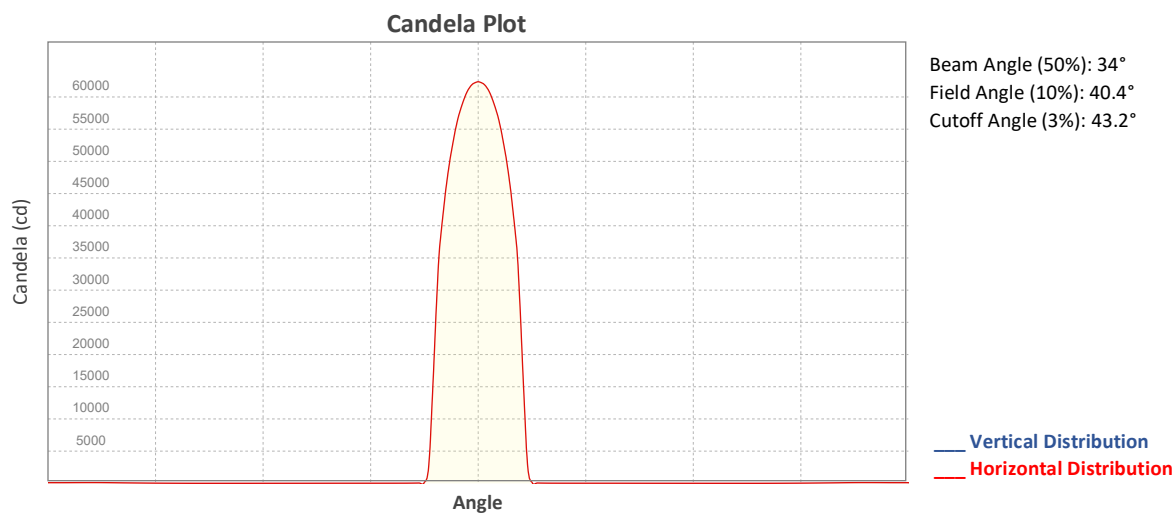


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	62307	15577	6923	3894	2492	1731	1272	974	769	623
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	515	433	369	318	277	243	216	192	173	156
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5788	1447	643	362	232	161	118	90	71	58
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	48	40	34	30	26	23	20	18	16	14

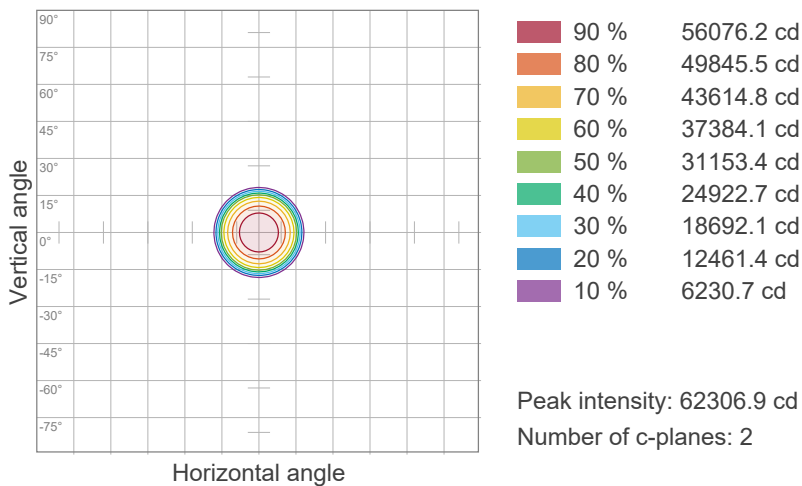
Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

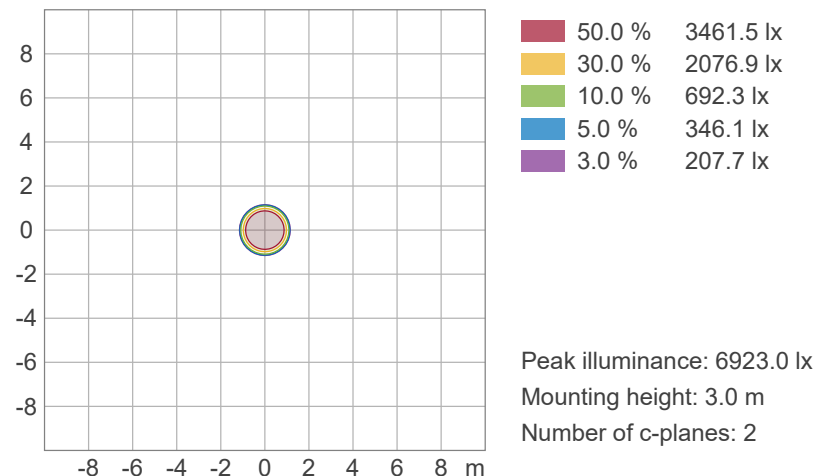


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

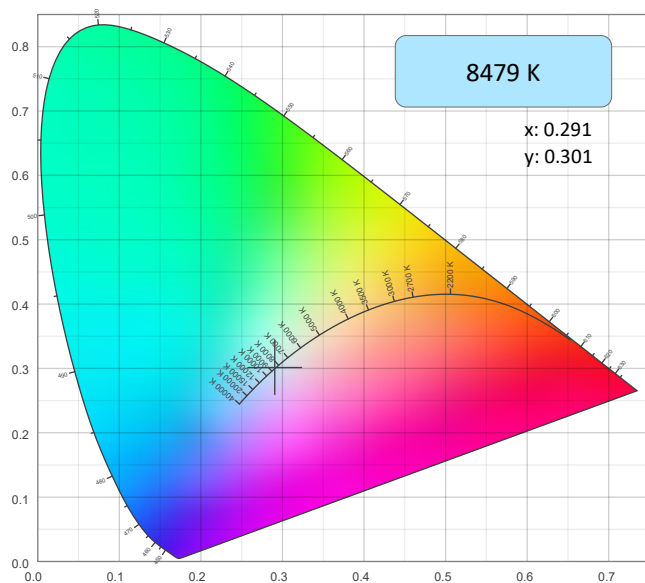


Photometric & Chromaticity Report

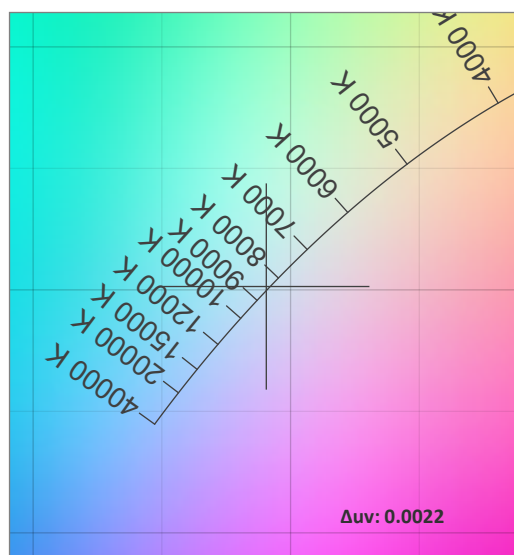
Rogue R3E Spot: Full Flood - Full Power

Chromaticity

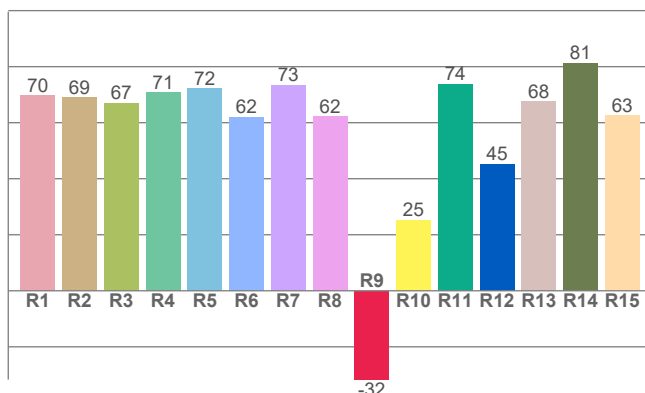
CIE 1931



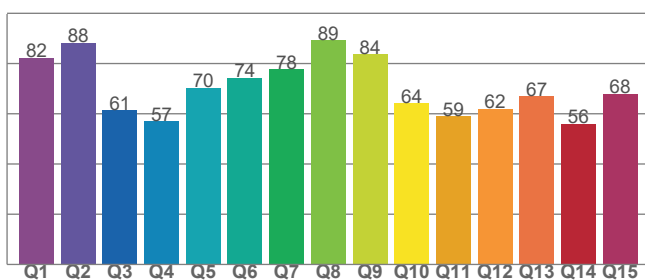
CIE 1931 - Zoom



CRI: 68.3 (R1-R8)



CQS: 68.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8479 K	0.291	0.301

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0022	0.301	0.193

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.3	-31.7	68.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
42	67.8	95.6

Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

TM-30 Details

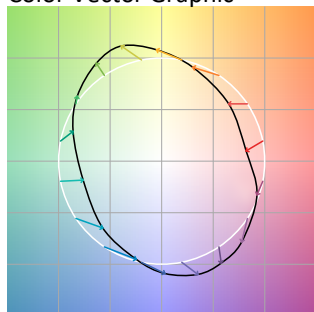
Rf 67.8

Fidelity Index
(Rg)

Rg 95.6

Gamut Index (Rg)

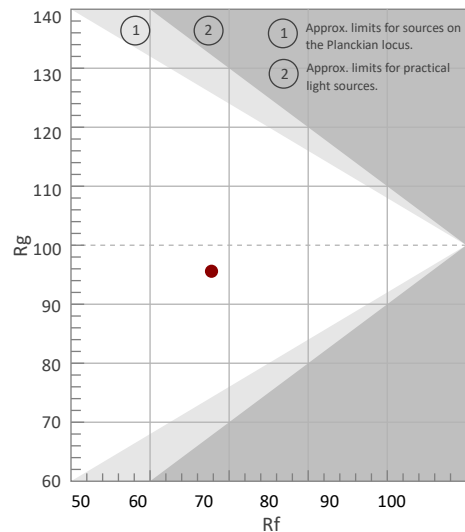
Color Vector Graphic



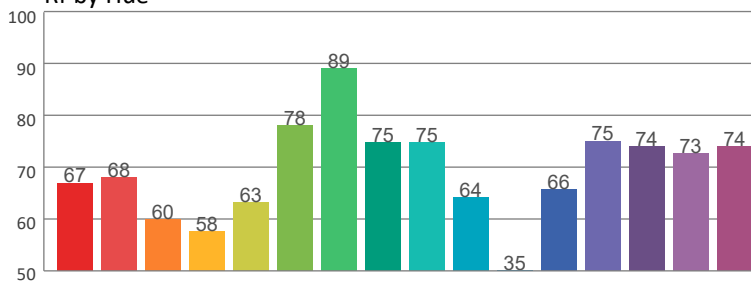
Color Distortion Graphic



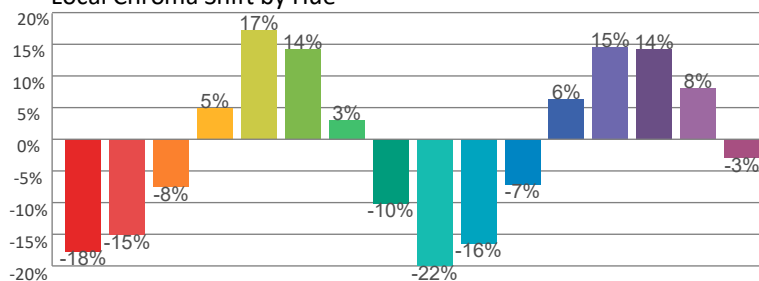
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	67	-18%	-6%
2	68	-15%	10%
3	60	-8%	25%
4	58	5%	26%
5	63	17%	17%
6	78	14%	0%
7	89	3%	-7%
8	75	-10%	-12%
9	75	-22%	3%
10	64	-16%	22%
11	35	-7%	32%
12	66	6%	24%
13	75	15%	13%
14	74	14%	-7%
15	73	8%	-22%
16	74	-3%	-14%



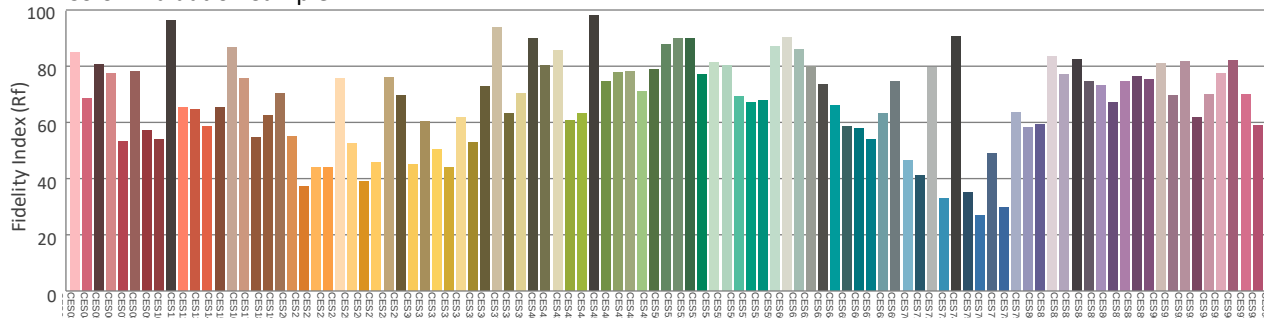
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

Report Summary

Measurements

Fixture Output: 14340 lm
Fixture Peak: 56923 cd
Fixture Efficacy: 37 lm/W
Intensity @ 5m: 2277 lux
Color Temperature: 8466 K
CRI: 68.1 CRI R9 Value: -32.4
CQS: 68.6
TLCI: 42
TM-30 Rf: 67.6
TM-30 Rg: 95.3
Beam Angle (50%): 33.8°
Field Angle (10%): 39.4°
Cutoff Angle (3%): 42.7°

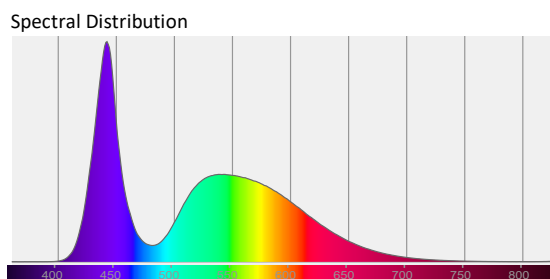
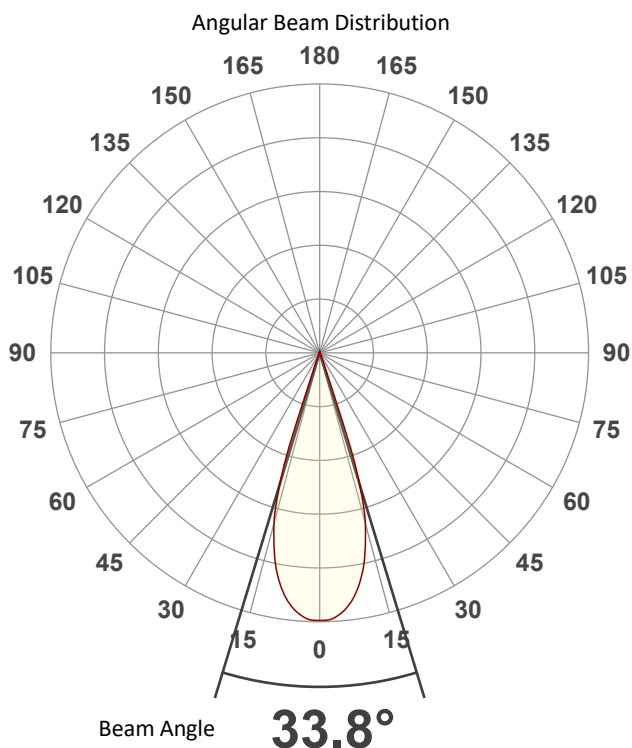
Conditions

AC Supply: 114 V, 60 Hz
Power: 389.26 W
Current: 3.41 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 LabSpon Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

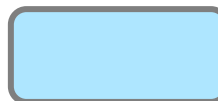
Overall Measurement



Tested Color (CIE 1931):

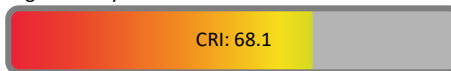
X: 0.291

Y: 0.302



Light Quality

CRI: 68.1



Color Temperature

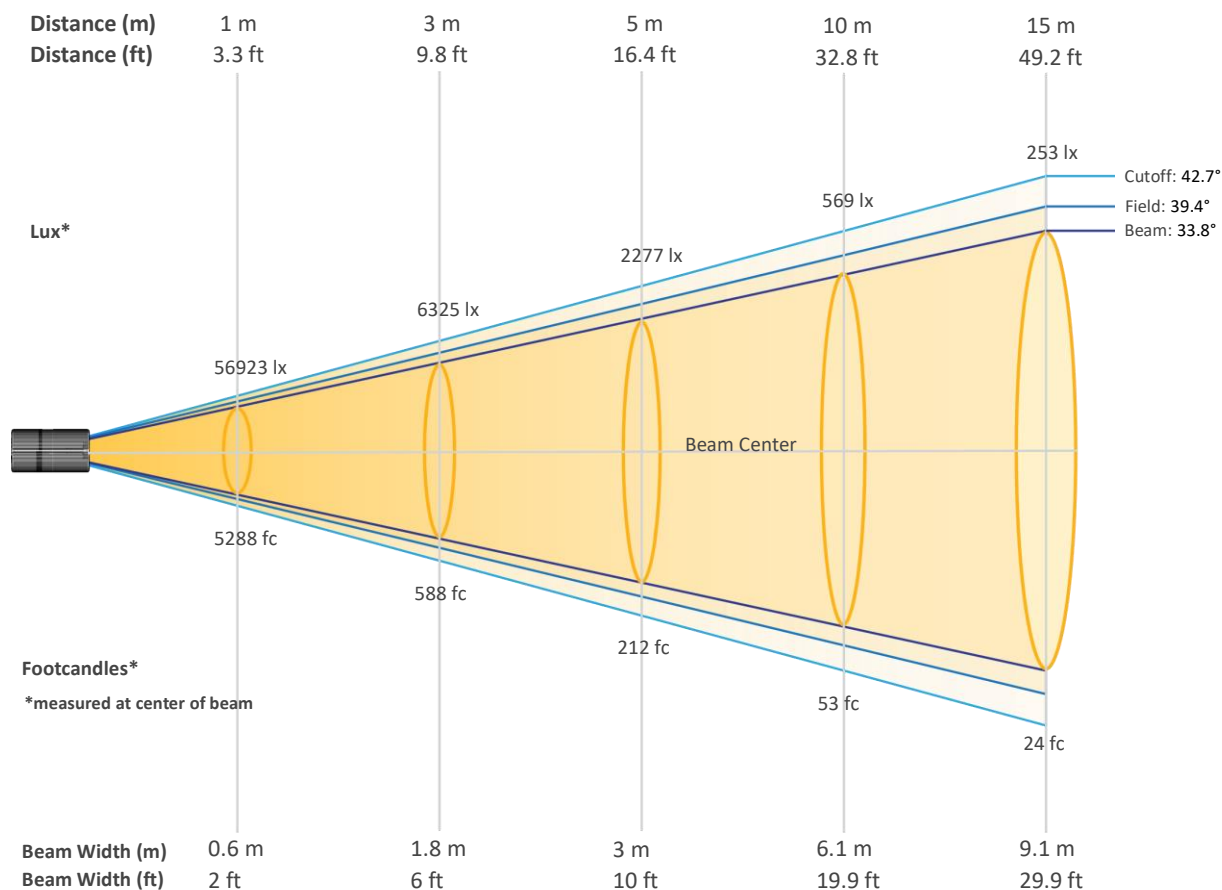
8466 K



Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

Beam Details

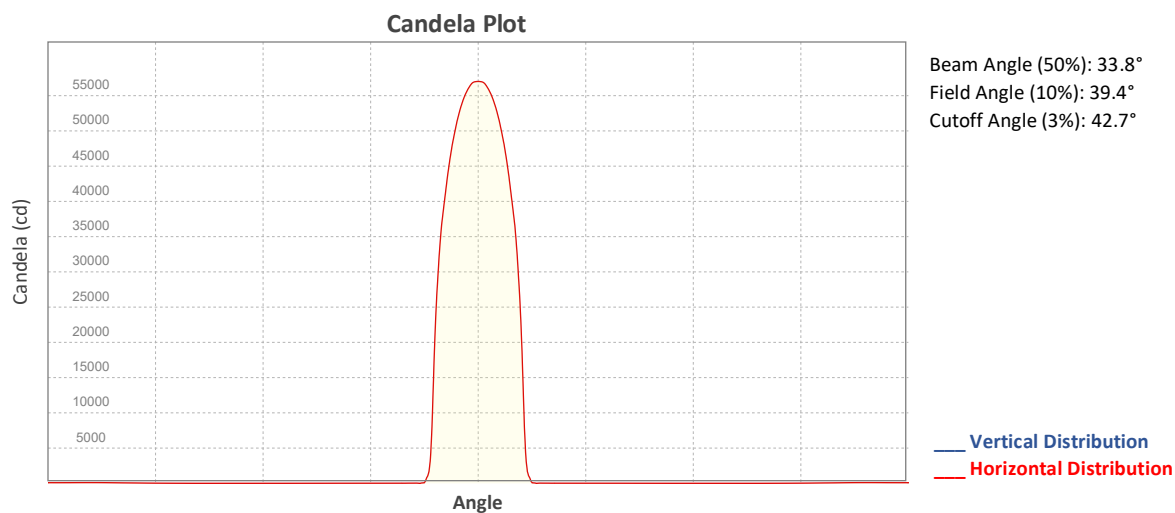


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	56923	14231	6325	3558	2277	1581	1162	889	703	569
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	470	395	337	290	253	222	197	176	158	142
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5288	1322	588	331	212	147	108	83	65	53
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	44	37	31	27	24	21	18	16	15	13

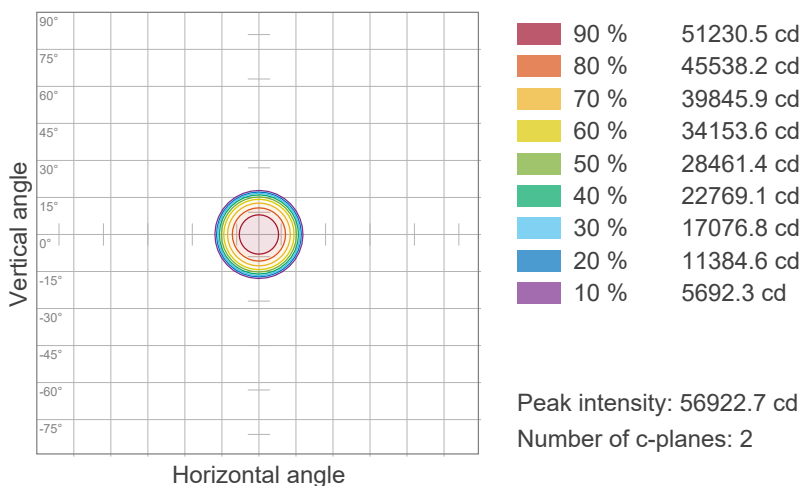
Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

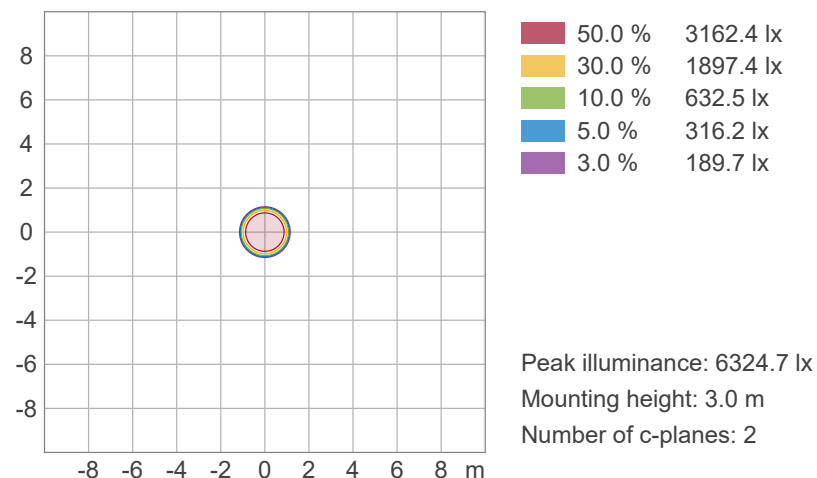


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

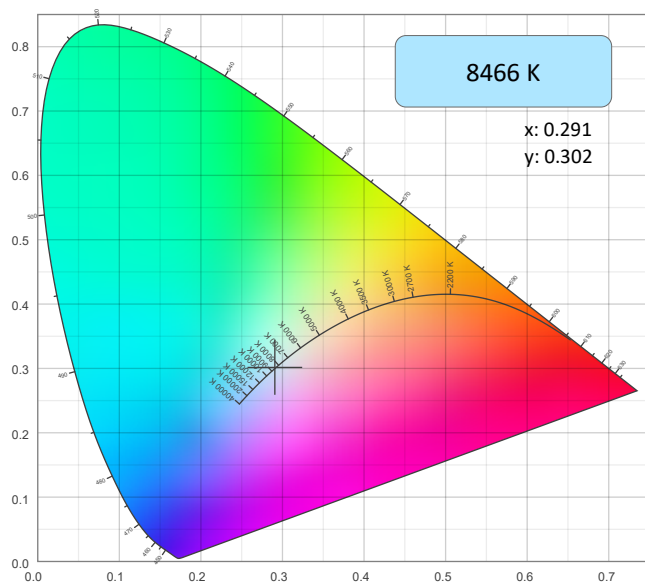


Photometric & Chromaticity Report

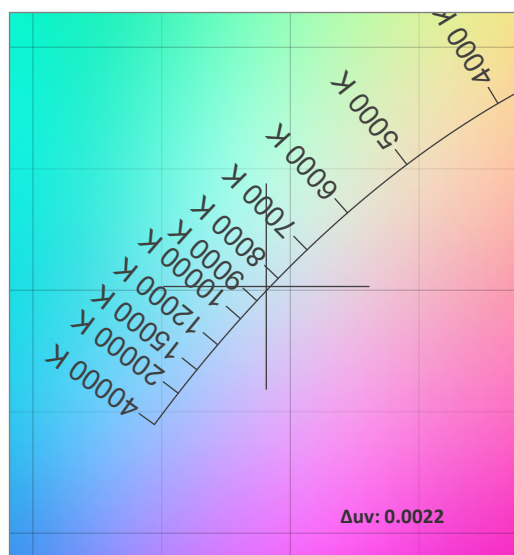
Rogue R3E Spot: Full Flood - Full Power

Chromaticity

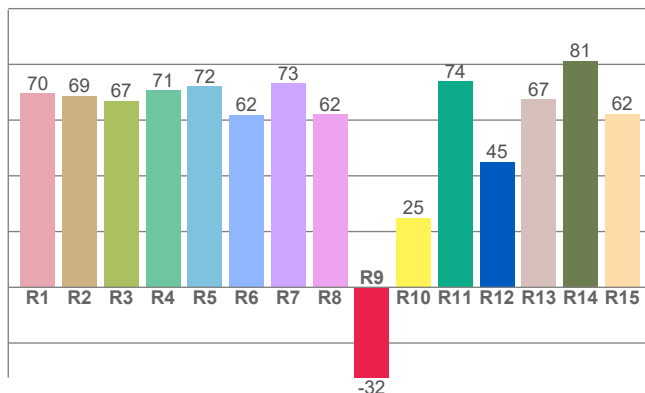
CIE 1931



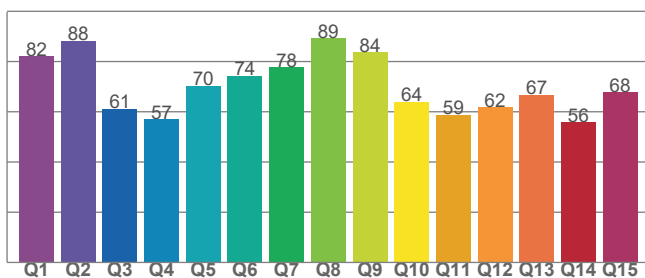
CIE 1931 - Zoom



CRI: 68.1 (R1-R8)



CQS: 68.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8466 K	0.291	0.302

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0022	0.302	0.193

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.1	-32.4	68.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
42	67.6	95.3

Photometric & Chromaticity Report

Rogue R3E Spot: Full Flood - Full Power

TM-30 Details

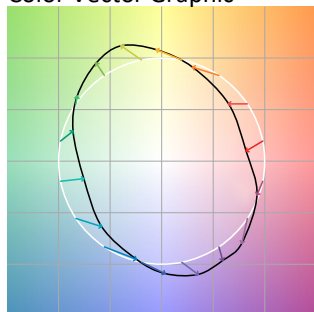
Rf 67.6

Fidelity Index
(Rg)

Rg 95.3

Gammut Index (Rg)

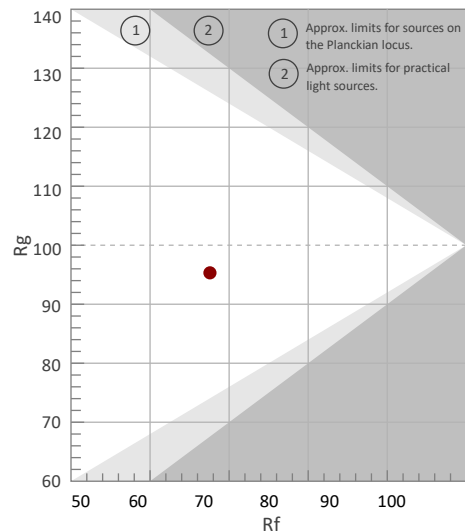
Color Vector Graphic



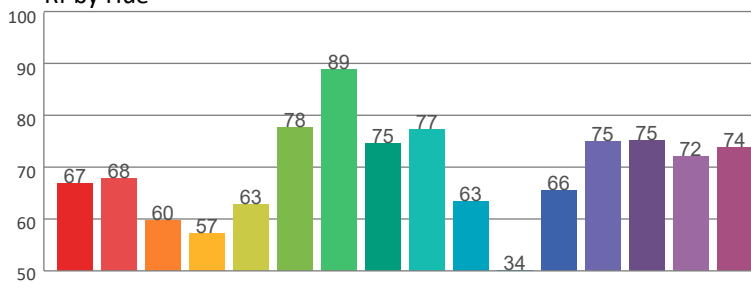
Color Distortion Graphic



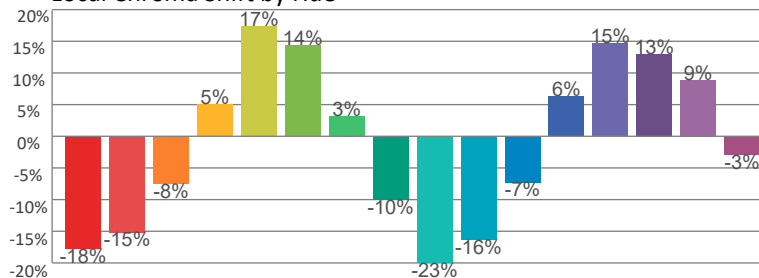
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	67	-18%	-6%
2	68	-15%	10%
3	60	-8%	26%
4	57	5%	26%
5	63	17%	17%
6	78	14%	0%
7	89	3%	-7%
8	75	-10%	-12%
9	77	-23%	2%
10	63	-16%	20%
11	34	-7%	32%
12	66	6%	24%
13	75	15%	13%
14	75	13%	-4%
15	72	9%	-23%
16	74	-3%	-14%



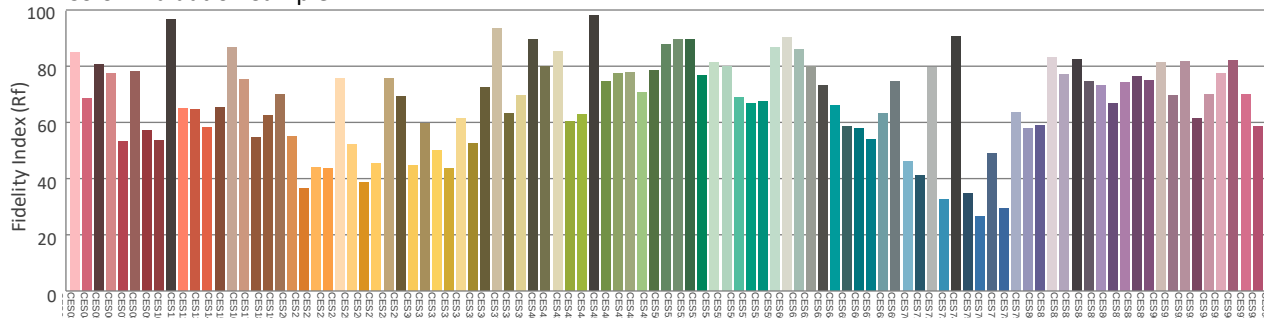
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

Report Summary

Measurements

Fixture Output: 15752 lm
Fixture Peak: 225388 cd
Fixture Efficacy: 37 lm/W
Intensity @ 5m: 9016 lux
Color Temperature: 8527 K
CRI: 68.2 CRI R9 Value: -31.7
CQS: 68.7
TLCI: 42
TM-30 Rf: 67.8
TM-30 Rg: 95.6
Beam Angle (50%): 17.4°
Field Angle (10%): 21.1°
Cutoff Angle (3%): 23.9°

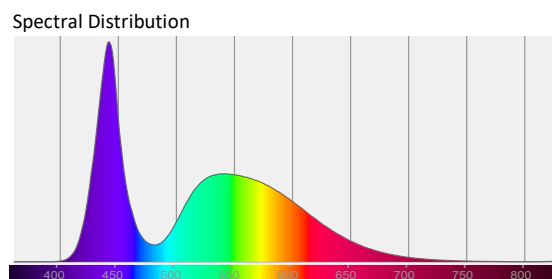
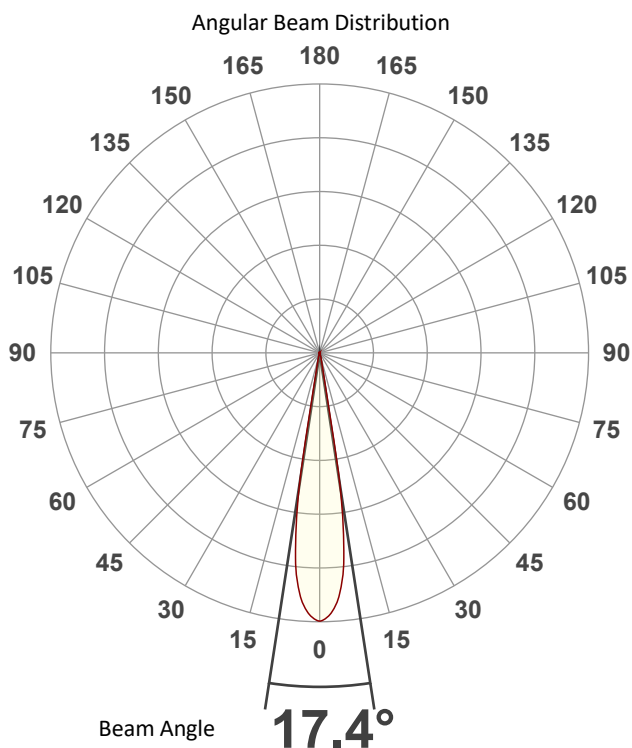
Conditions

AC Supply: 114 V, 60 Hz
Power: 427.07 W
Current: 3.75 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

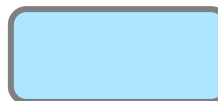
Overall Measurement



Tested Color (CIE 1931):

X: 0.290

Y: 0.301



Light Quality

CRI: 68.2

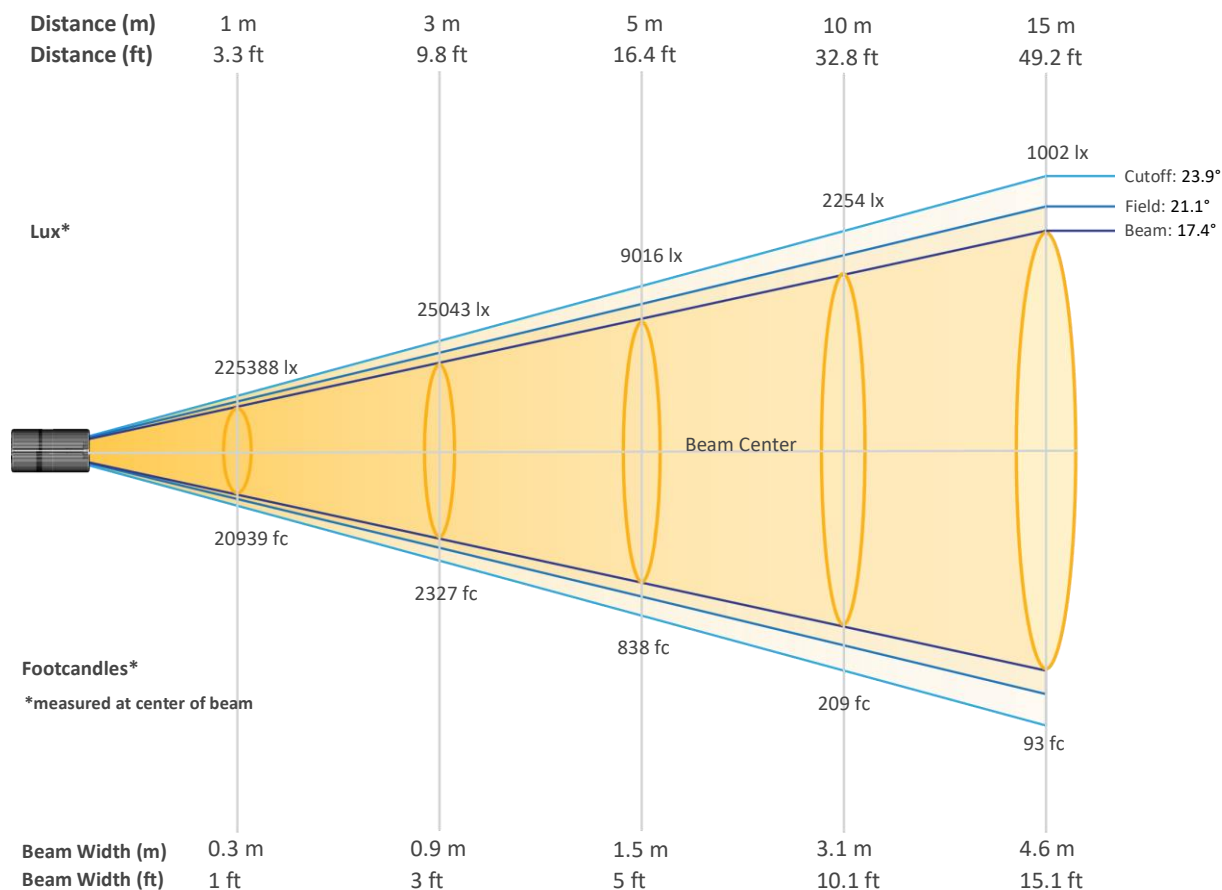
Color Temperature

8527 K

Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

Beam Details

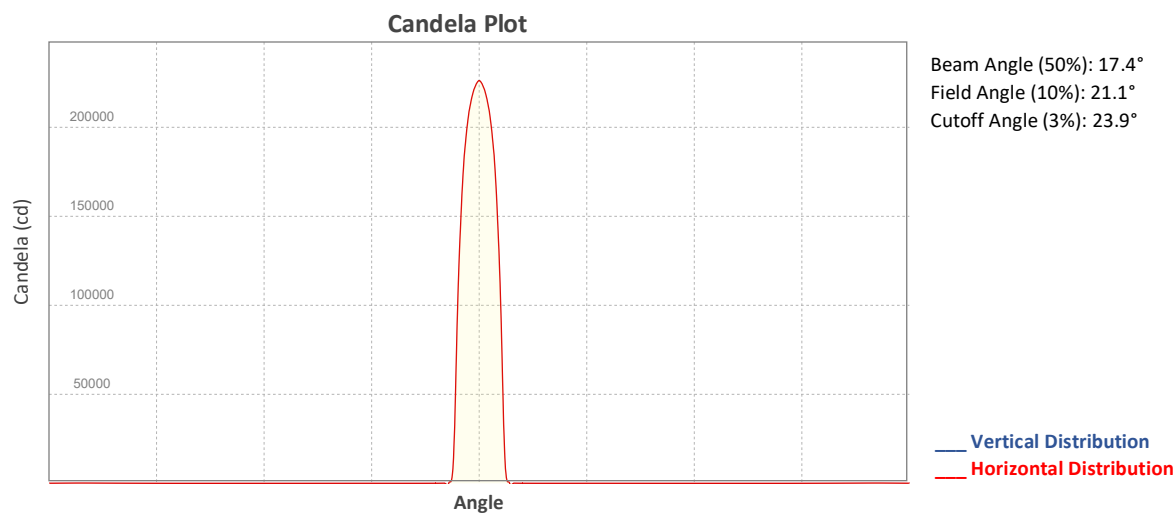


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	225388	56347	25043	14087	9016	6261	4600	3522	2783	2254
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1863	1565	1334	1150	1002	880	780	696	624	563
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	20939	5235	2327	1309	838	582	427	327	259	209
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	173	145	124	107	93	82	72	65	58	52

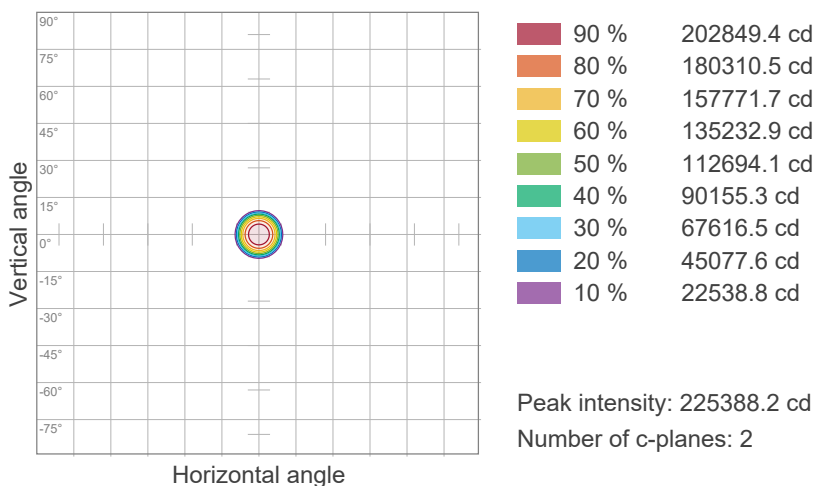
Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

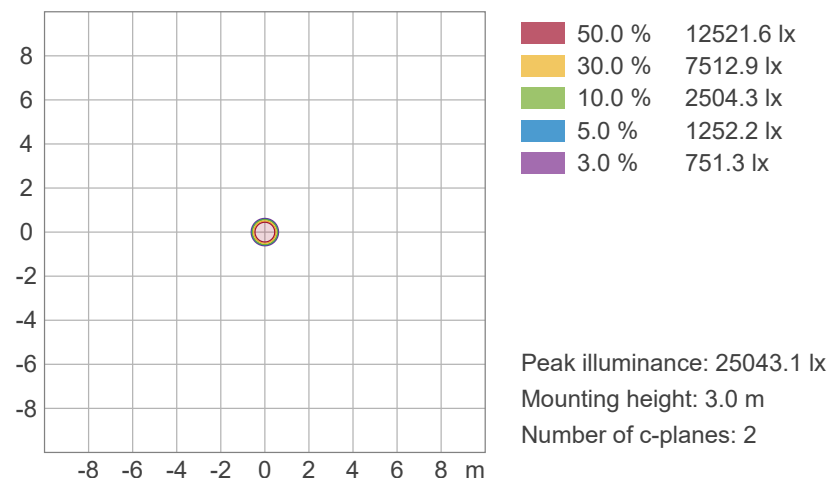


ISO Diagrams

ISO Candela Diagram



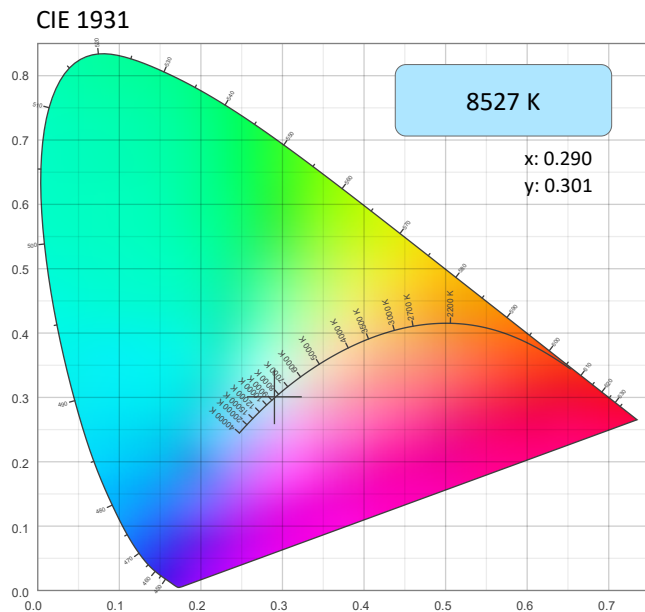
ISO Lux Diagram



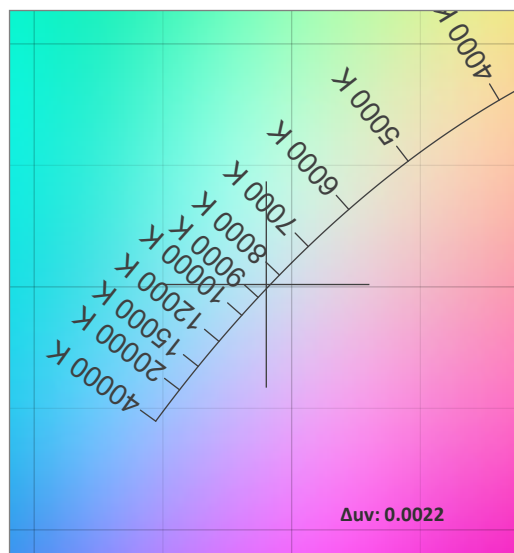
Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

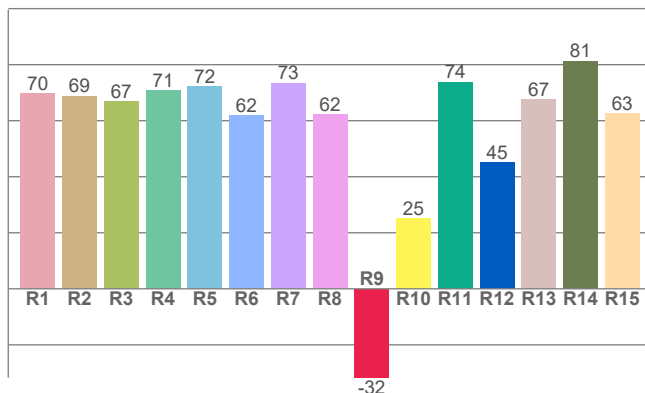
Chromaticity



CIE 1931 - Zoom



CRI: 68.2 (R1-R8)

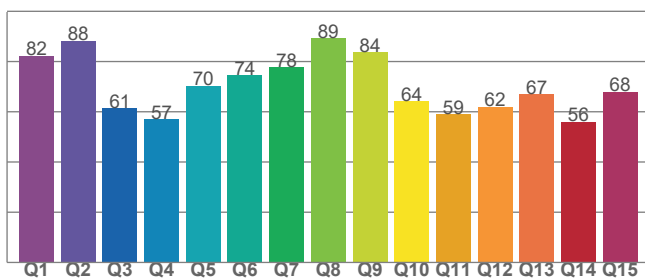


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8527 K	0.290	0.301

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0022	0.301	0.192

CQS: 68.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.2	-31.7	68.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
42	67.8	95.6

Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

TM-30 Details

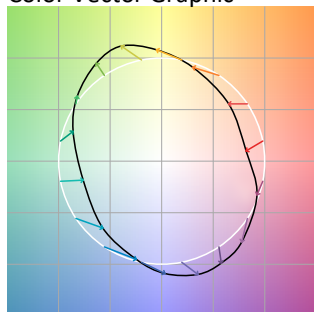
Rf 67.8

Fidelity Index
(R_f)

Rg 95.6

Gamut Index (R_g)

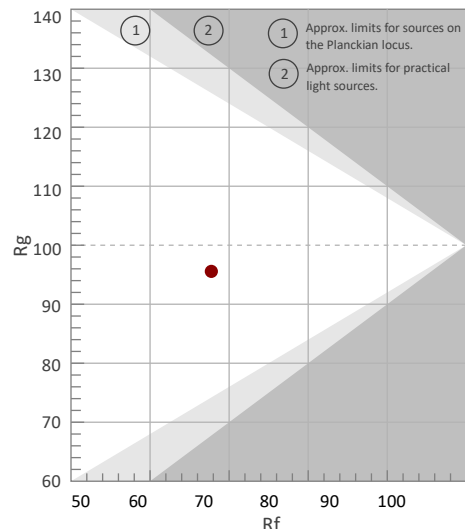
Color Vector Graphic



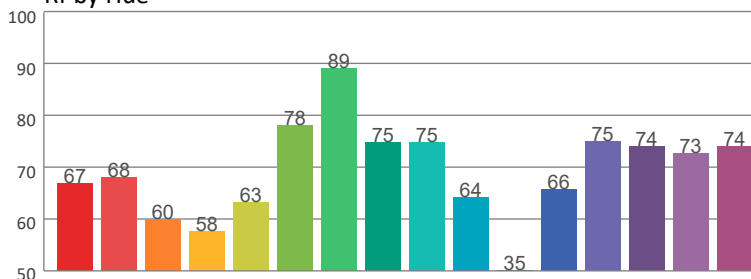
Color Distortion Graphic



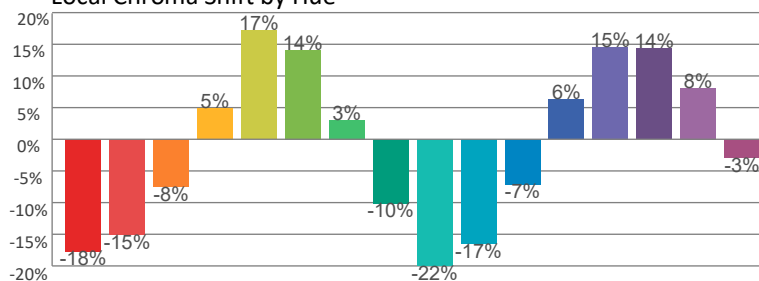
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	67	-18%	-6%
2	68	-15%	10%
3	60	-8%	25%
4	58	5%	26%
5	63	17%	17%
6	78	14%	0%
7	89	3%	-7%
8	75	-10%	-12%
9	75	-22%	3%
10	64	-17%	22%
11	35	-7%	32%
12	66	6%	24%
13	75	15%	13%
14	74	14%	-7%
15	73	8%	-22%
16	74	-3%	-14%



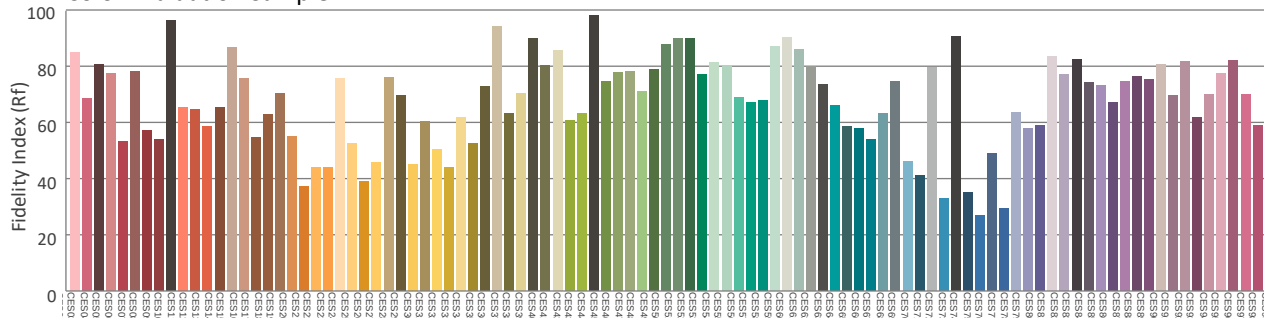
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

Report Summary

Measurements

Fixture Output: 15418 lm
Fixture Peak: 224735 cd
Fixture Efficacy: 37 lm/W
Intensity @ 5m: 8989 lux
Color Temperature: 8528 K
CRI: 68.3 CRI R9 Value: -31.5
CQS: 68.7
TLCI: 42
TM-30 Rf: 67.8
TM-30 Rg: 95.5
Beam Angle (50%): 17.5°
Field Angle (10%): 20.7°
Cutoff Angle (3%): 22.4°

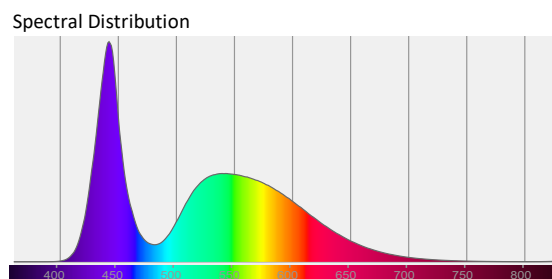
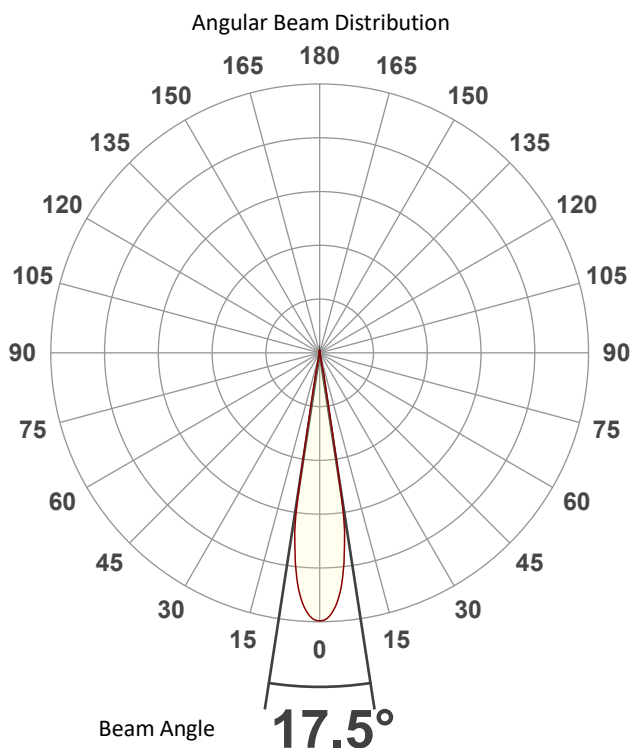
Conditions

AC Supply: 114 V, 60 Hz
Power: 424.83 W
Current: 3.74 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

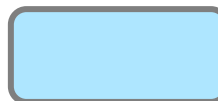
Overall Measurement



Tested Color (CIE 1931):

X: 0.290

Y: 0.301



Light Quality

CRI: 68.3

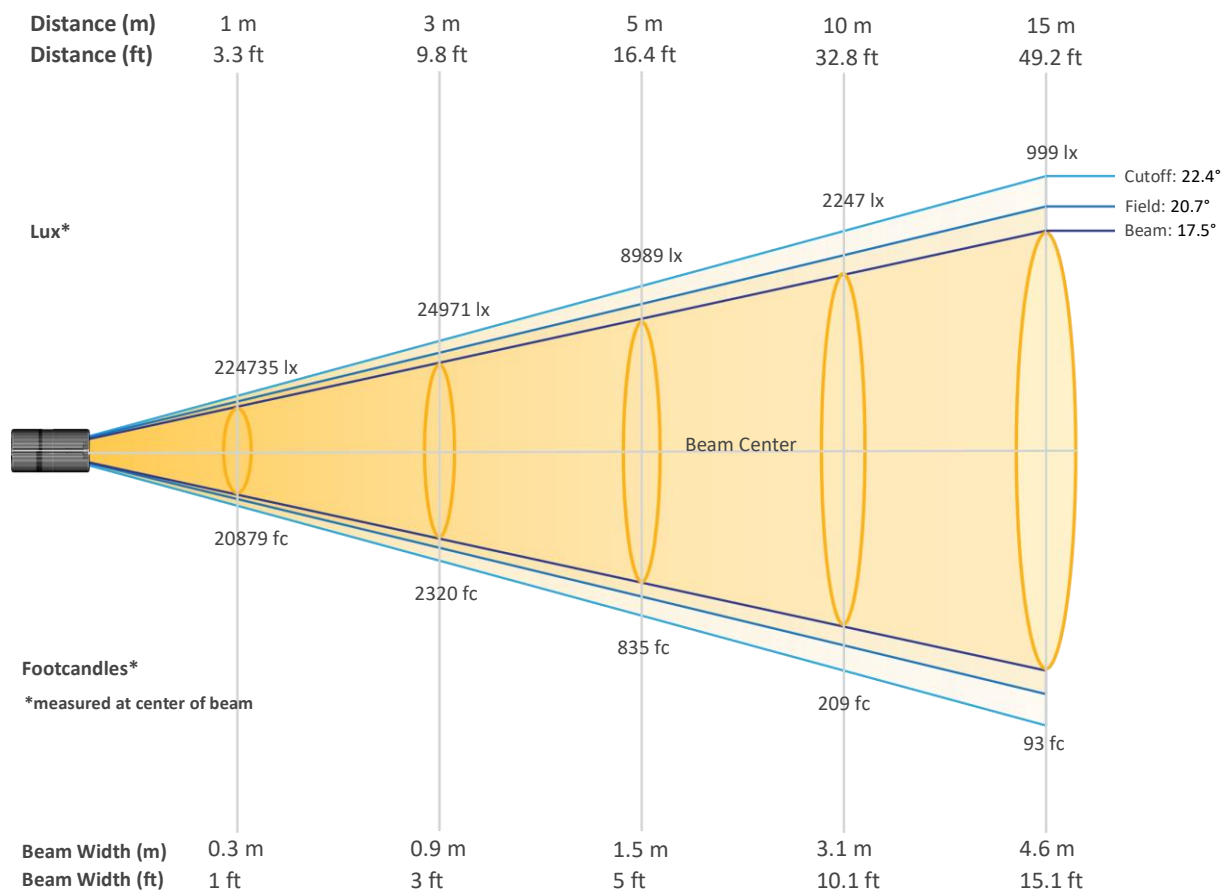
Color Temperature

8528 K

Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

Beam Details

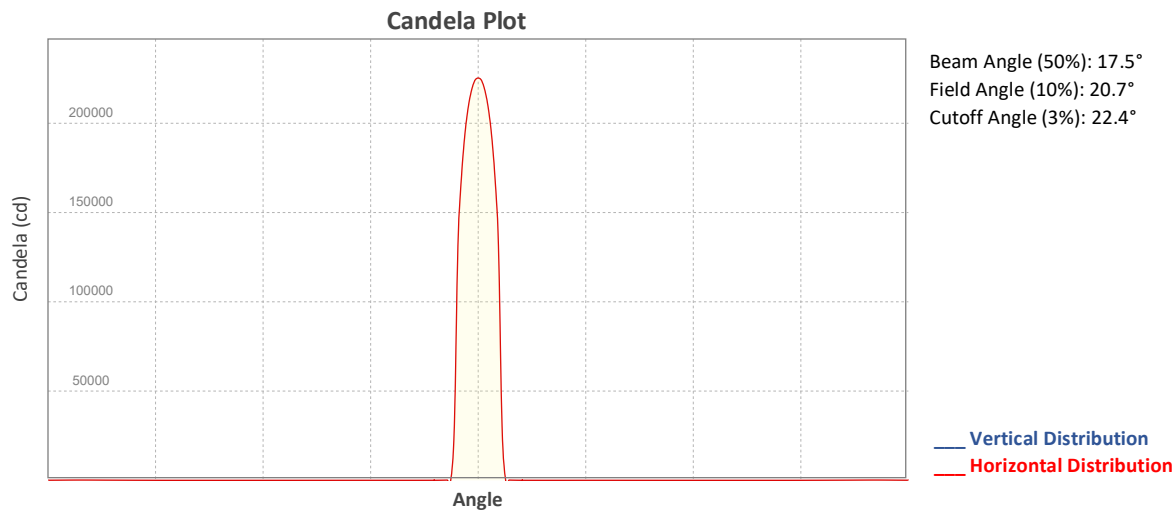


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	224735	56184	24971	14046	8989	6243	4586	3511	2775	2247
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1857	1561	1330	1147	999	878	778	694	623	562
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	20879	5220	2320	1305	835	580	426	326	258	209
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	173	145	124	107	93	82	72	64	58	52

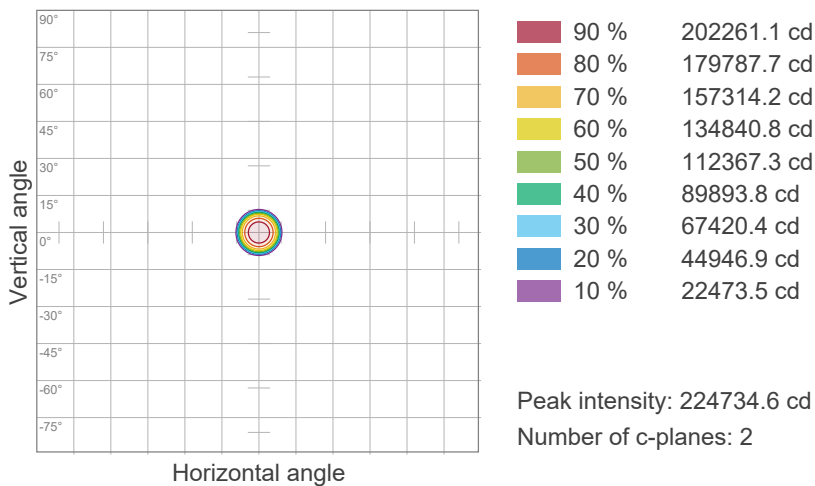
Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

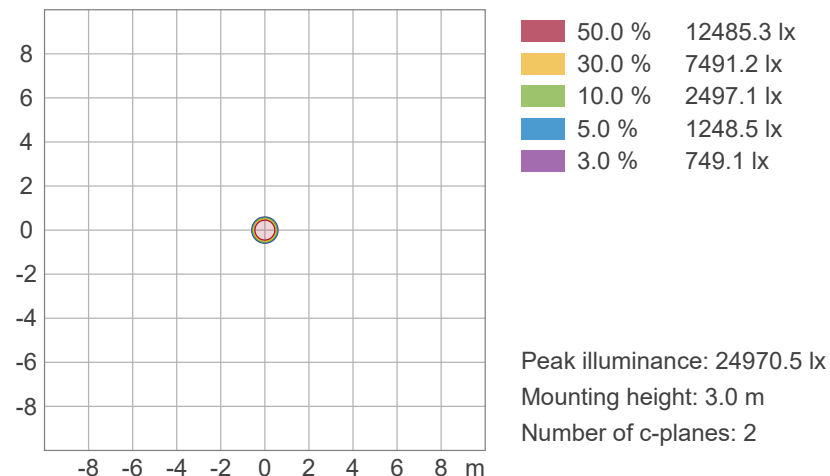


ISO Diagrams

ISO Candela Diagram



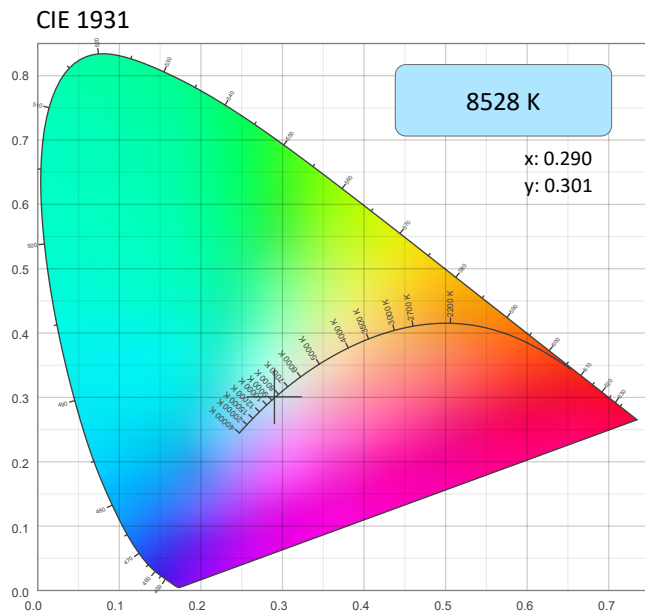
ISO Lux Diagram



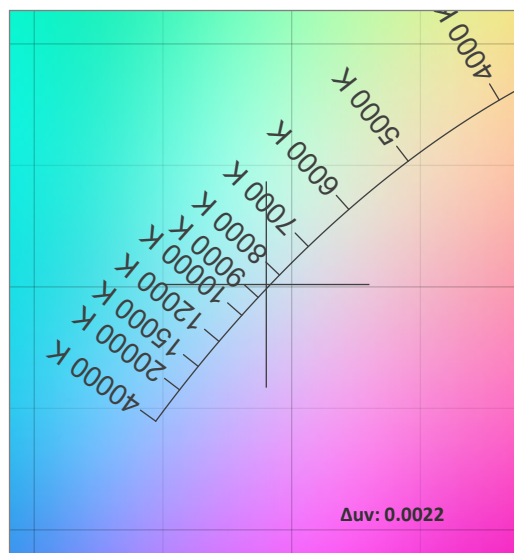
Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

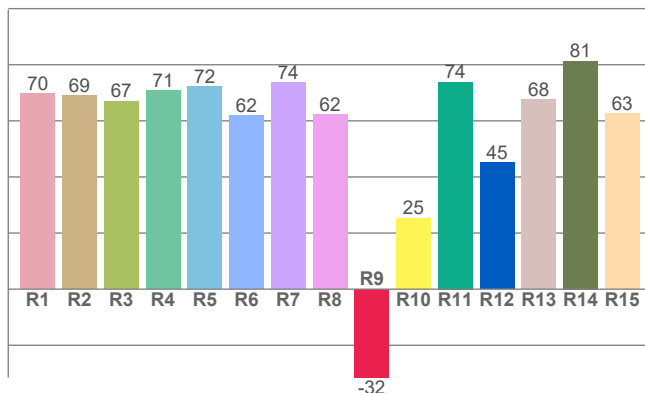
Chromaticity



CIE 1931 - Zoom



CRI: 68.3 (R1-R8)

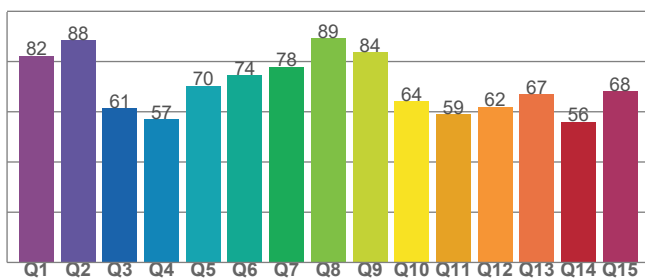


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8528 K	0.290	0.301

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0022	0.301	0.192

CQS: 68.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.3	-31.5	68.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
42	67.8	95.5

Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

TM-30 Details

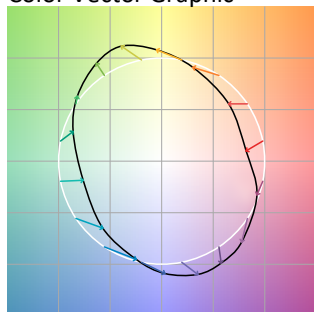
Rf 67.8

Fidelity Index
(Rg)

Rg 95.5

Gamut Index (Rg)

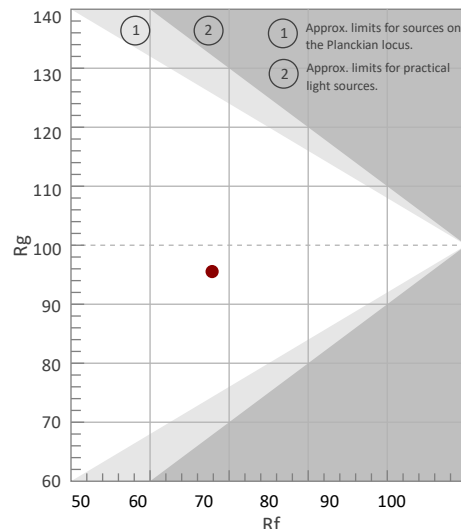
Color Vector Graphic



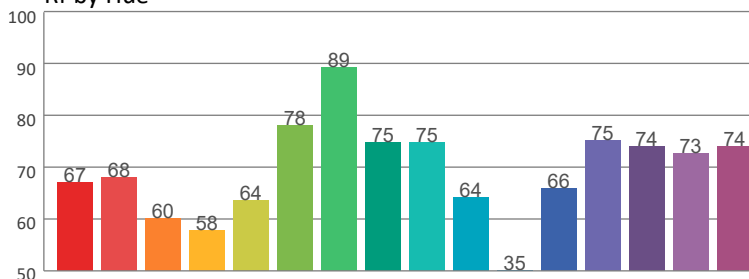
Color Distortion Graphic



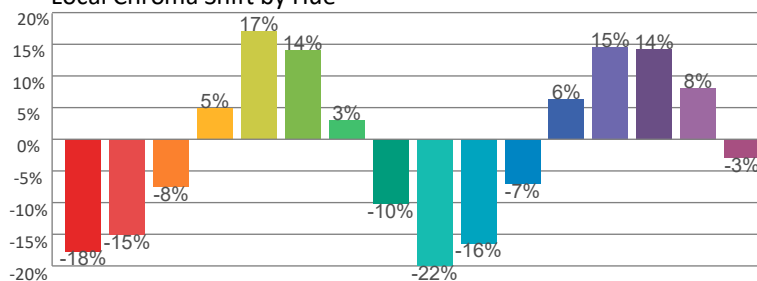
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	67	-18%	-6%
2	68	-15%	10%
3	60	-8%	25%
4	58	5%	26%
5	64	17%	17%
6	78	14%	0%
7	89	3%	-7%
8	75	-10%	-11%
9	75	-22%	3%
10	64	-16%	22%
11	35	-7%	32%
12	66	6%	24%
13	75	15%	13%
14	74	14%	-7%
15	73	8%	-22%
16	74	-3%	-14%



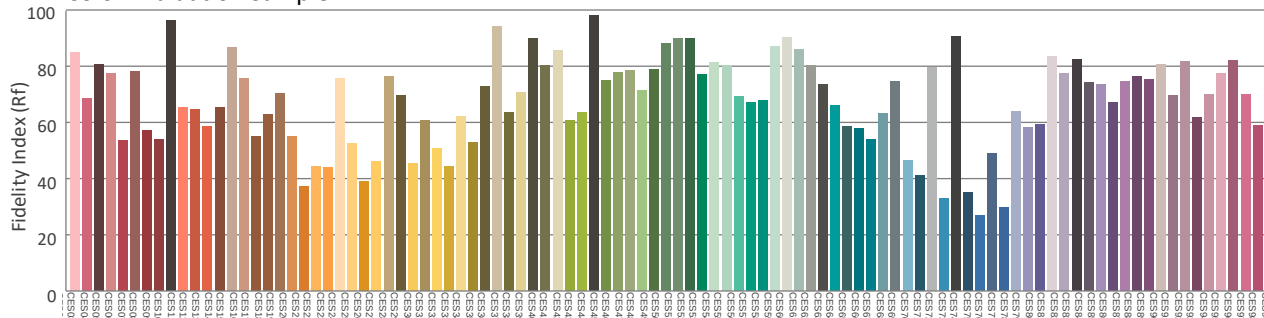
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

Report Summary

Measurements

Fixture Output: 14193 lm
Fixture Peak: 207278 cd
Fixture Efficacy: 37 lm/W
Intensity @ 5m: 8291 lux
Color Temperature: 8492 K
CRI: 68.0 CRI R9 Value: -32.6
CQS: 68.6
TLCI: 42
TM-30 Rf: 67.6
TM-30 Rg: 95.6
Beam Angle (50%): 17.5°
Field Angle (10%): 20.8°
Cutoff Angle (3%): 22.3°

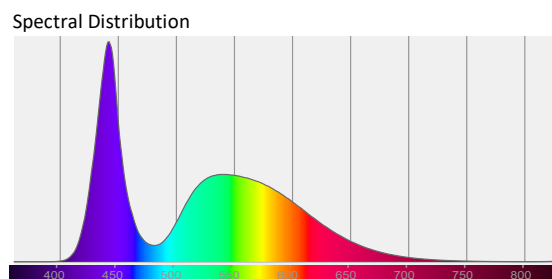
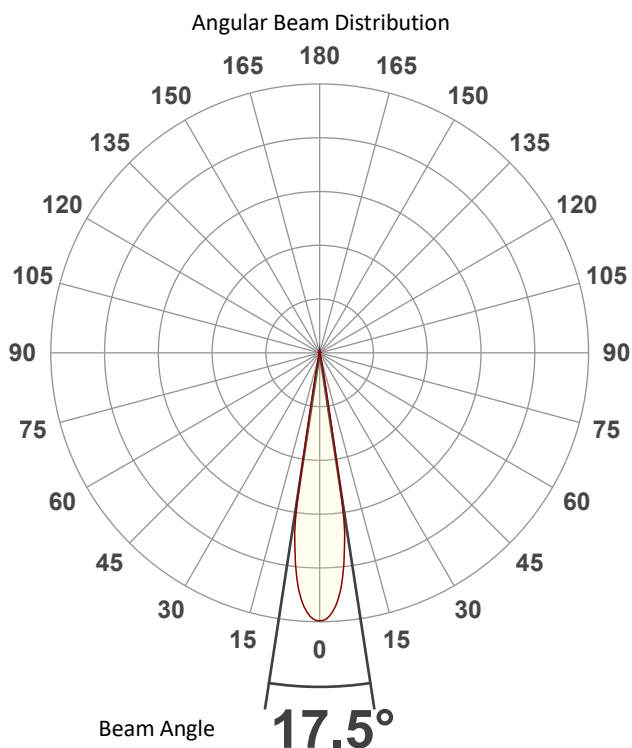
Conditions

AC Supply: 114 V, 60 Hz
Power: 390.09 W
Current: 3.41 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

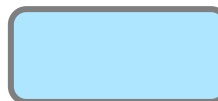
Overall Measurement



Tested Color (CIE 1931):

X: 0.290

Y: 0.301



Light Quality

CRI: 68.0

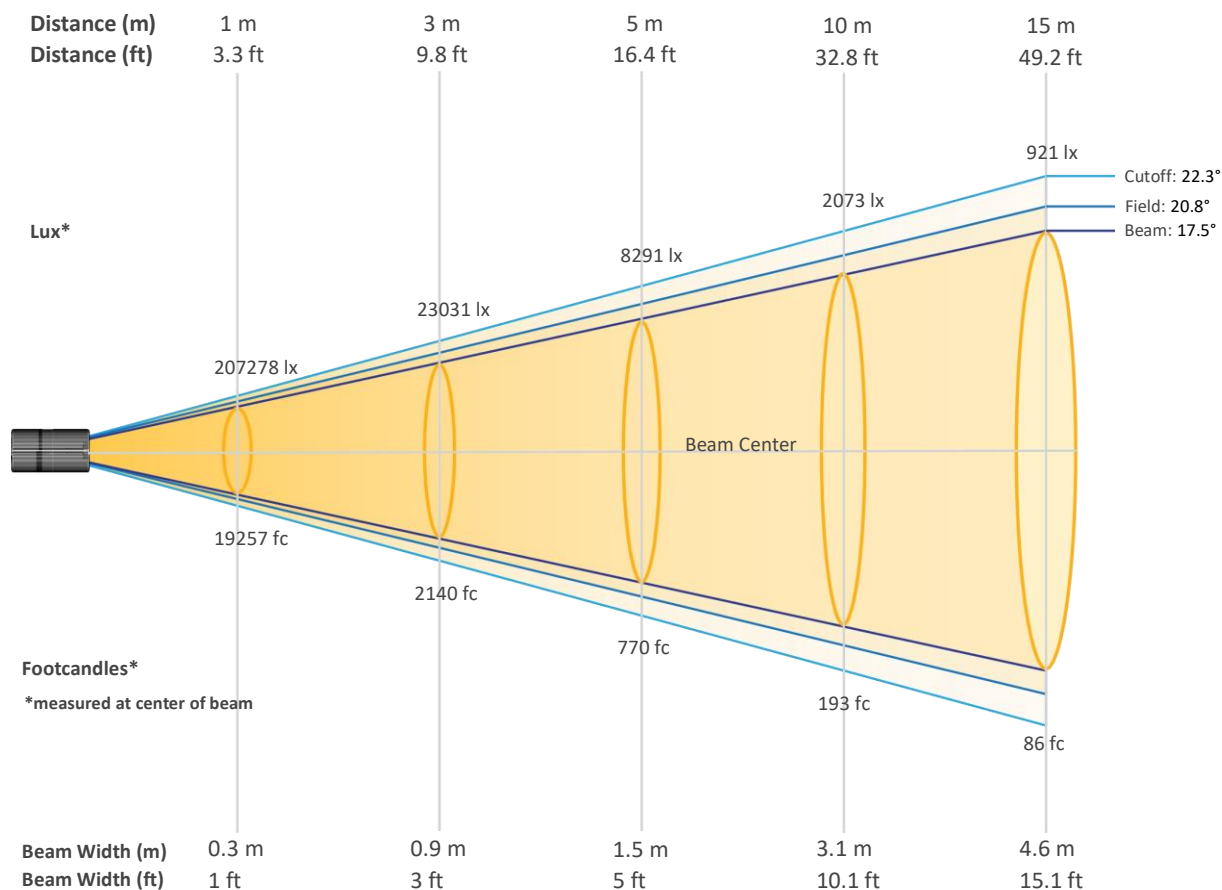
Color Temperature

8492 K

Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

Beam Details

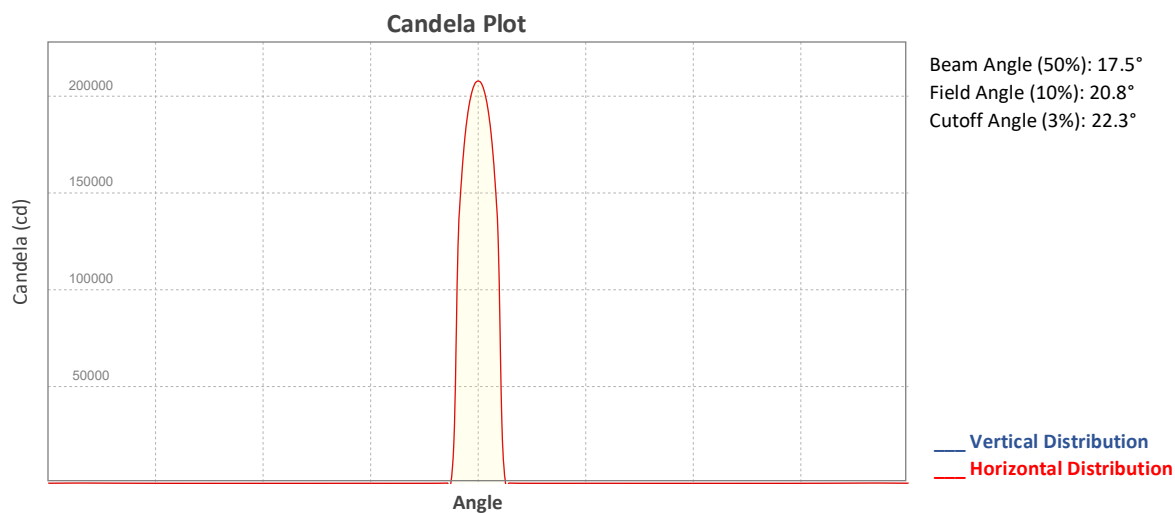


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	207278	51819	23031	12955	8291	5758	4230	3239	2559	2073
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1713	1439	1226	1058	921	810	717	640	574	518
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	19257	4814	2140	1204	770	535	393	301	238	193
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	159	134	114	98	86	75	67	59	53	48

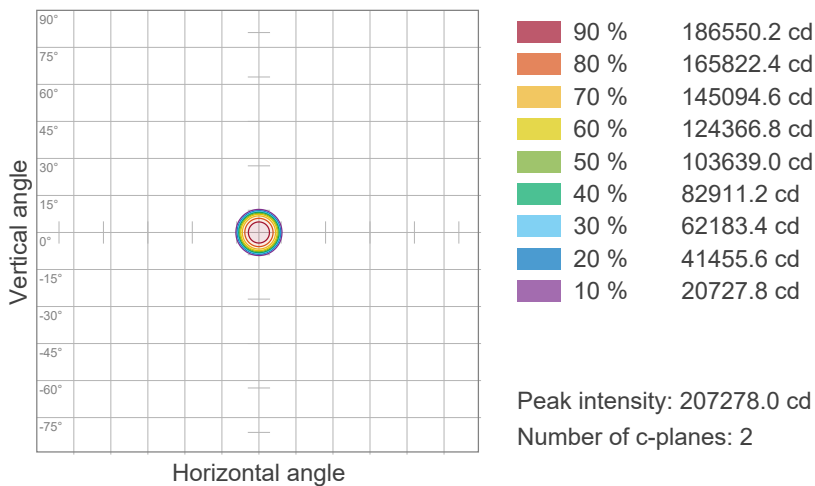
Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

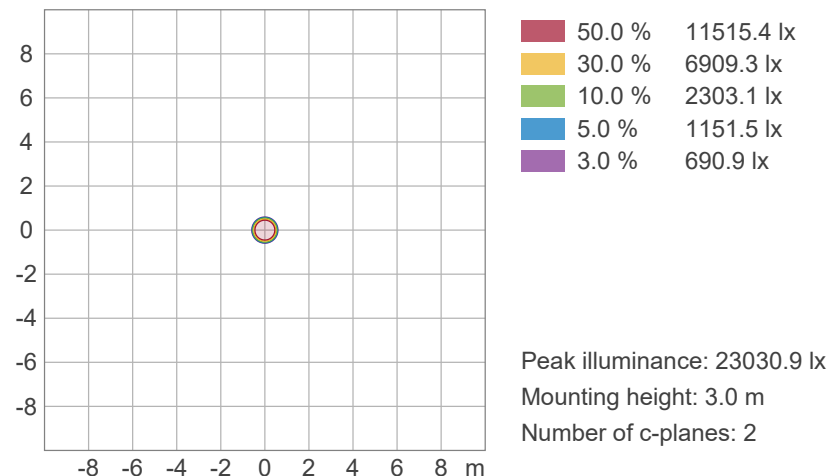


ISO Diagrams

ISO Candela Diagram



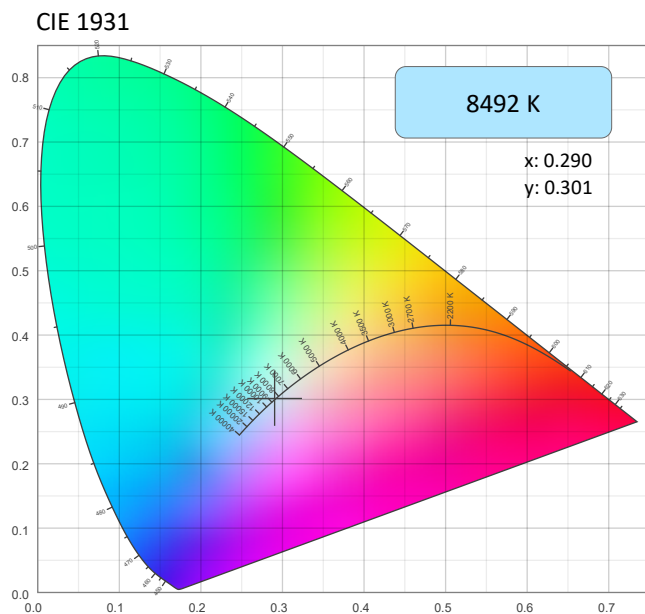
ISO Lux Diagram



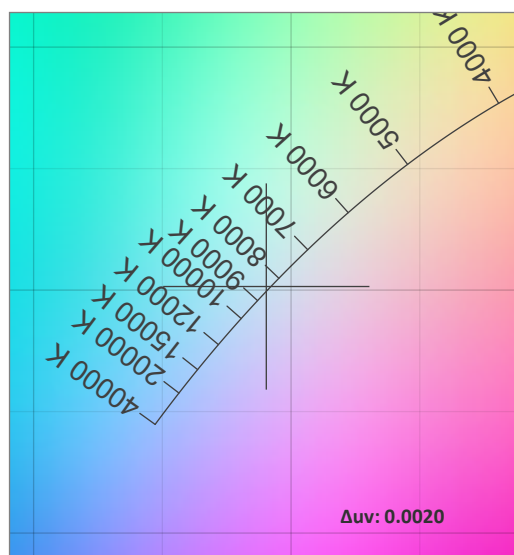
Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

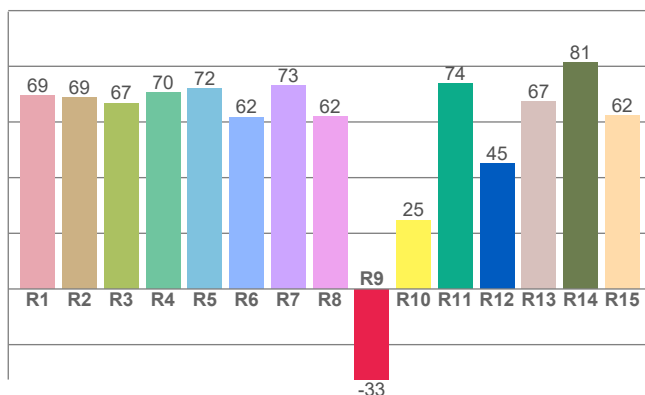
Chromaticity



CIE 1931 - Zoom



CRI: 68.0 (R1-R8)

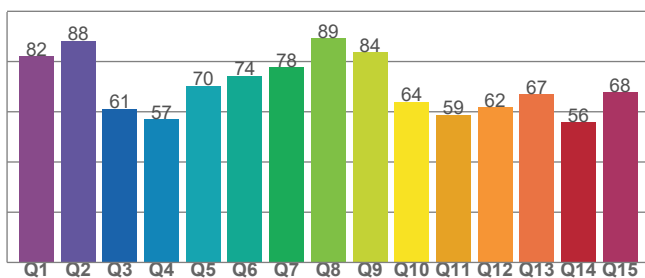


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8492 K	0.290	0.301

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0020	0.301	0.192

CQS: 68.6



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.0	-32.6	68.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
42	67.6	95.6

Photometric & Chromaticity Report

Rogue R3E Spot: 50% Zoom - Full Power

TM-30 Details

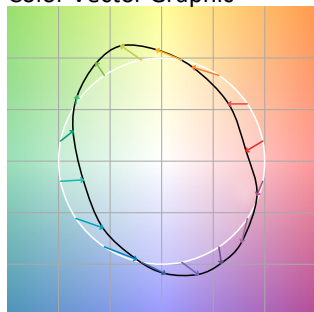
Rf 67.6

Fidelity Index
(Rg)

Rg 95.6

Gammut Index (Rg)

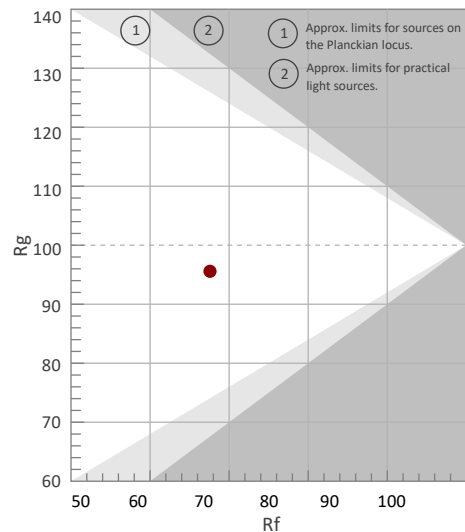
Color Vector Graphic



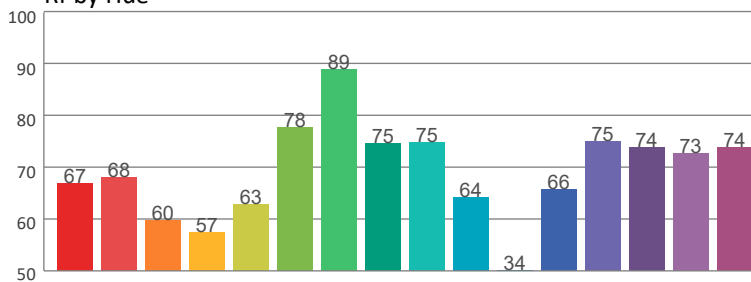
Color Distortion Graphic



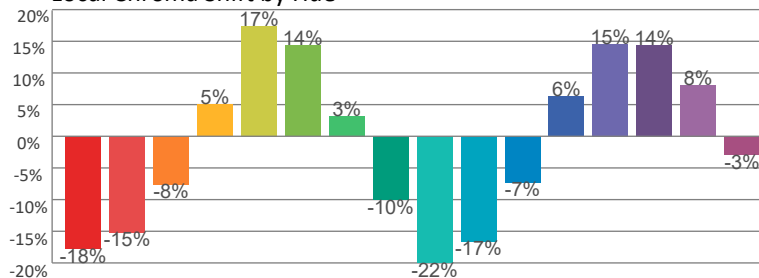
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	67	-18%	-6%
2	68	-15%	10%
3	60	-8%	26%
4	57	5%	26%
5	63	17%	17%
6	78	14%	0%
7	89	3%	-7%
8	75	-10%	-12%
9	75	-22%	3%
10	64	-17%	22%
11	34	-7%	32%
12	66	6%	24%
13	75	15%	13%
14	74	14%	-7%
15	73	8%	-22%
16	74	-3%	-14%



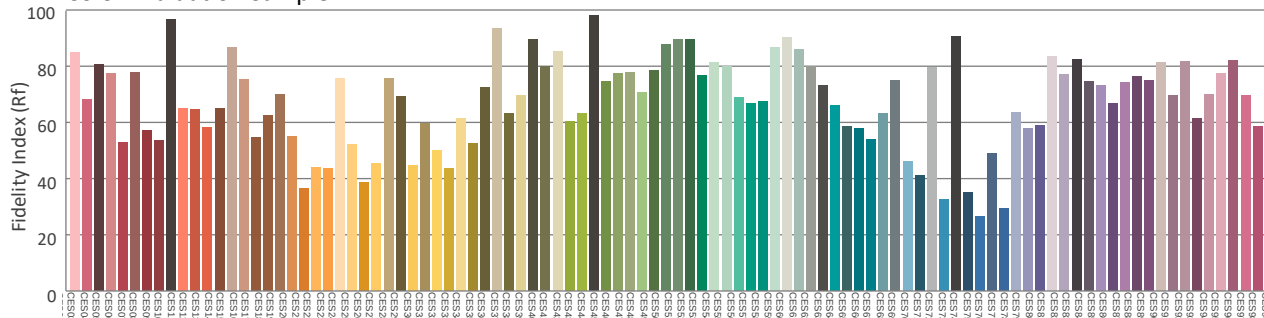
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

Report Summary

Measurements

Fixture Output: 15092 lm
Fixture Peak: 885135 cd
Fixture Efficacy: 36 lm/W
Intensity @ 5m: 35405 lux
Color Temperature: 8497 K
CRI: 67.7 CRI R9 Value: -35.8
CQS: 68.4
TLCI: 42
TM-30 Rf: 67.5
TM-30 Rg: 95.2
Beam Angle (50%): 8.4°
Field Angle (10%): 10.4°
Cutoff Angle (3%): 11.5°

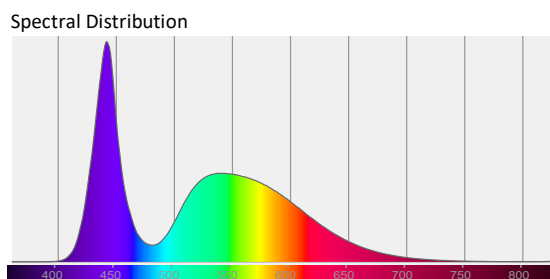
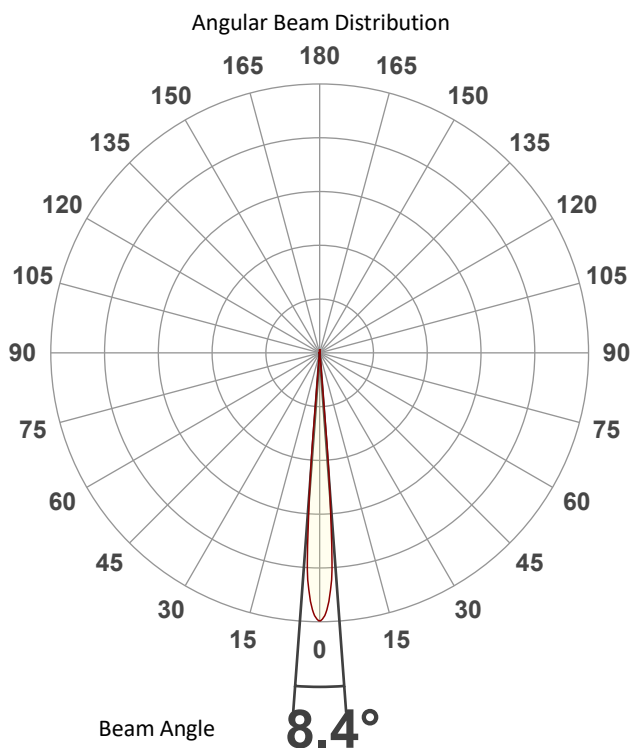
Conditions

AC Supply: 113 V, 60 Hz
Power: 427.04 W
Current: 3.76 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

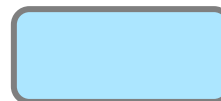
Overall Measurement



Tested Color (CIE 1931):

X: 0.290

Y: 0.302



Light Quality

CRI: 67.7

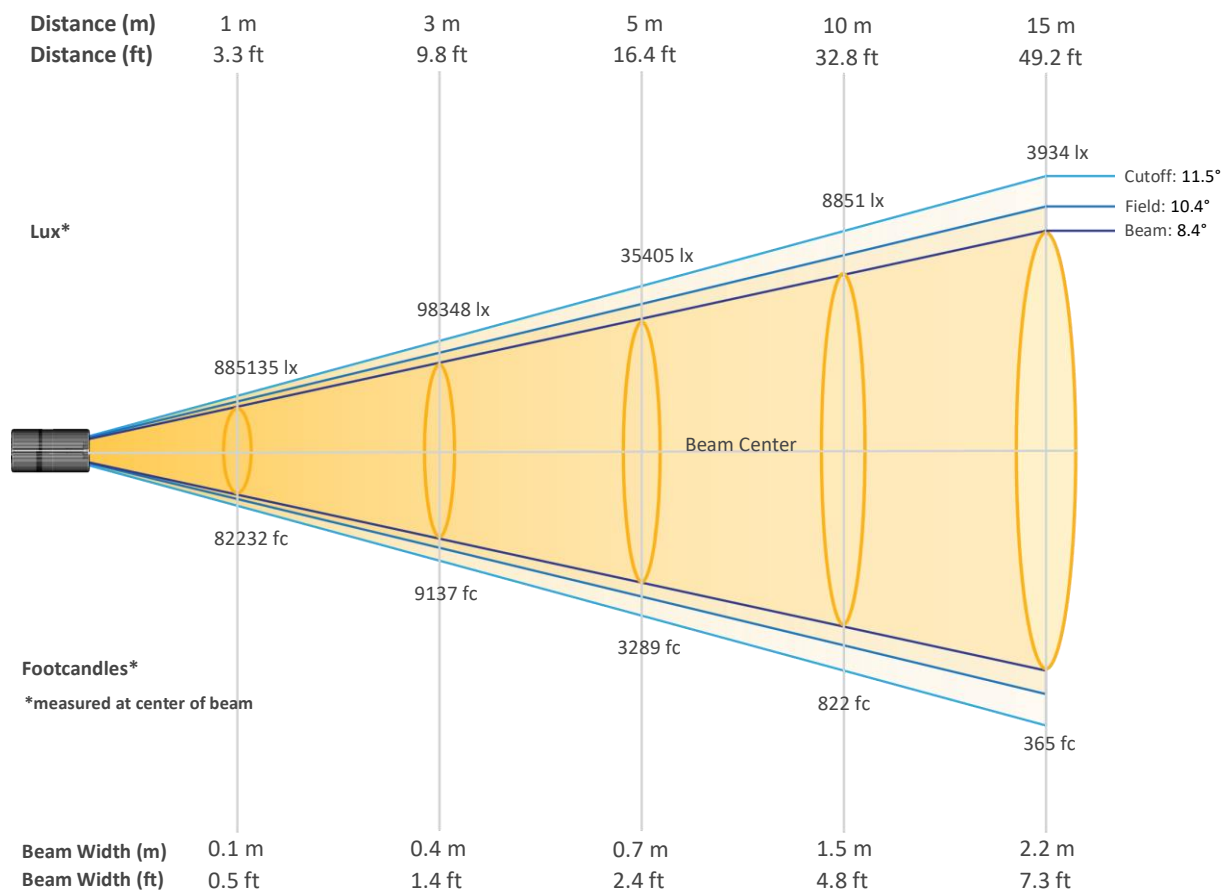
Color Temperature

8497 K

Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

Beam Details

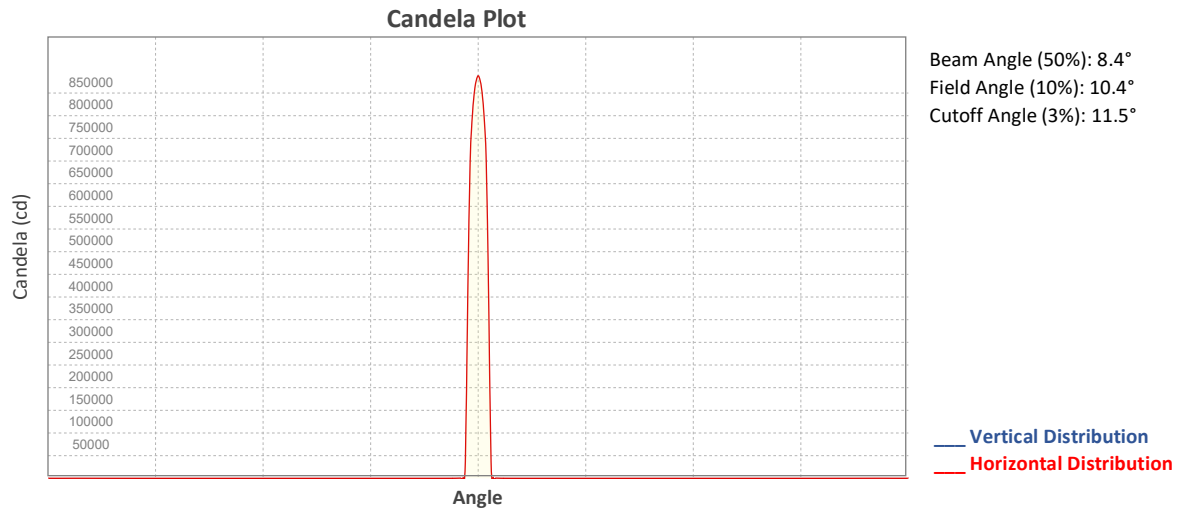


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	885135	221284	98348	55321	35405	24587	18064	13830	10928	8851
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	7315	6147	5237	4516	3934	3458	3063	2732	2452	2213
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	82232	20558	9137	5139	3289	2284	1678	1285	1015	822
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	680	571	487	420	365	321	285	254	228	206

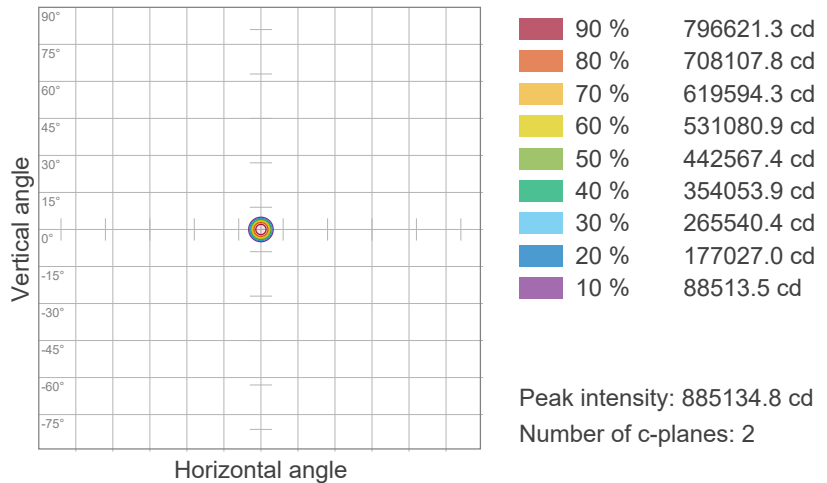
Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

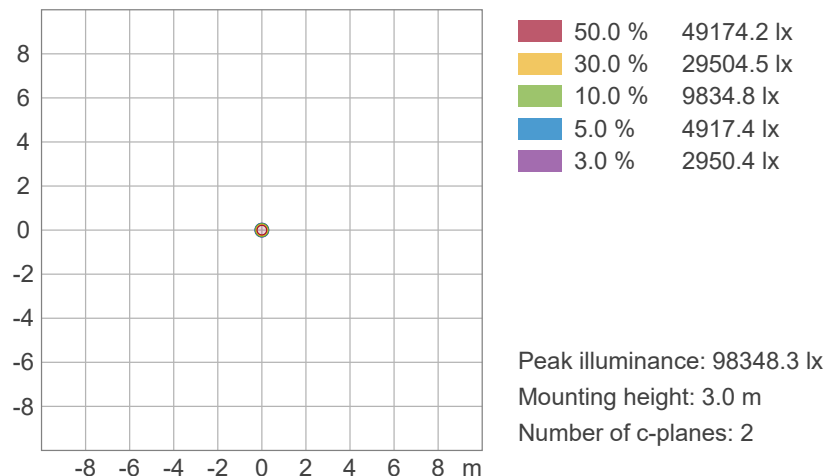


ISO Diagrams

ISO Candela Diagram



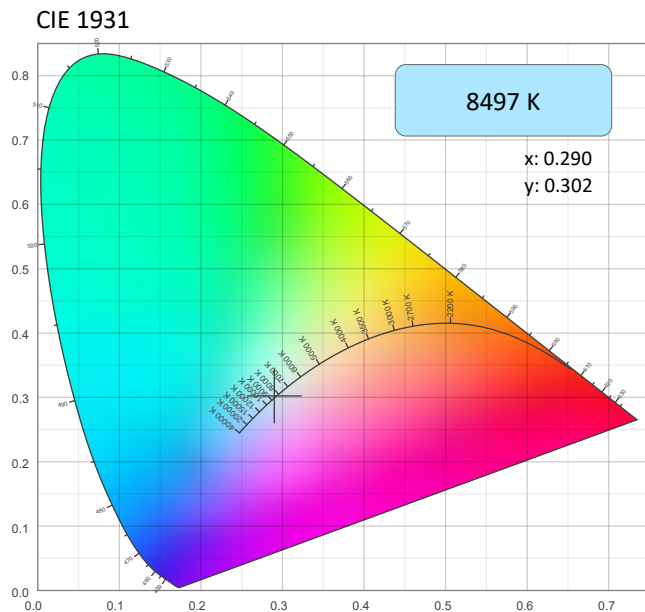
ISO Lux Diagram



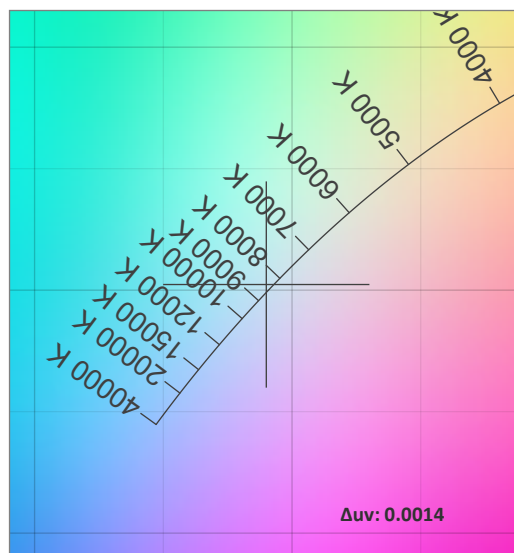
Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

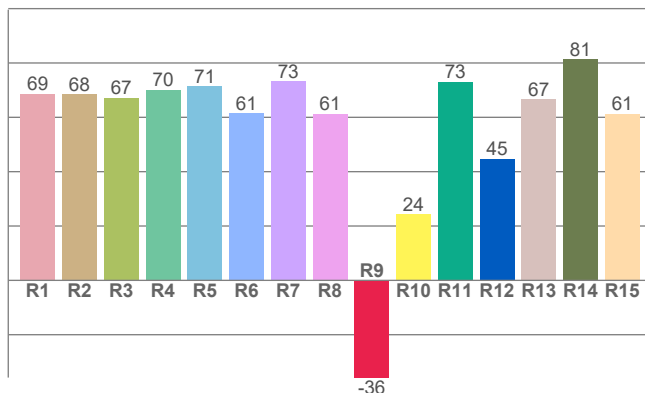
Chromaticity



CIE 1931 - Zoom



CRI: 67.7 (R1-R8)

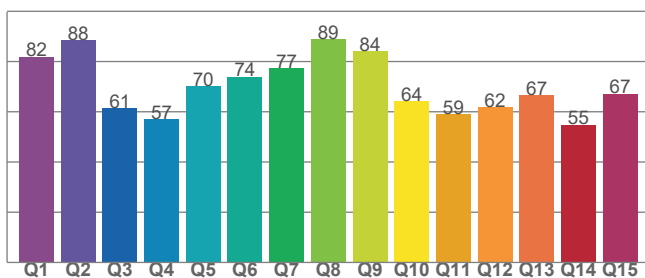


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8497 K	0.290	0.302

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0014	0.302	0.192

CQS: 68.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
67.7	-35.8	68.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
42	67.5	95.2

Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

TM-30 Details

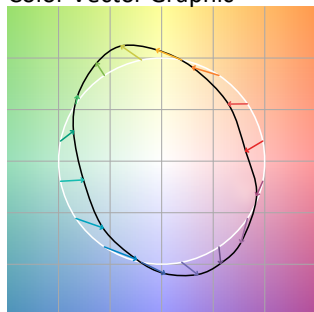
Rf 67.5

Fidelity Index
(Rg)

Rg 95.2

Gamut Index (Rg)

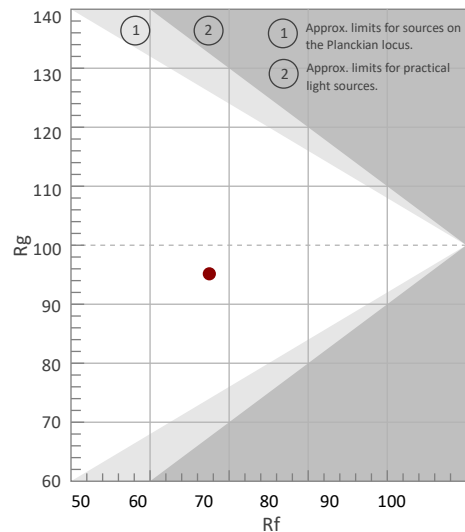
Color Vector Graphic



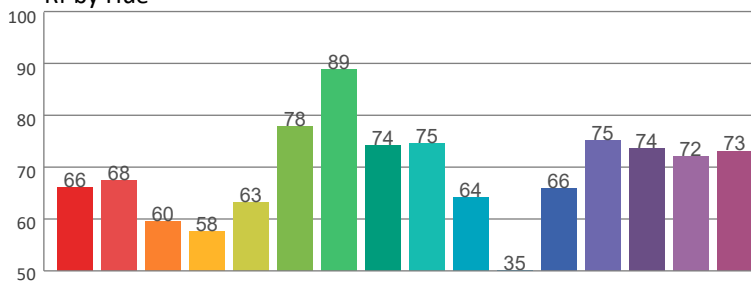
Color Distortion Graphic



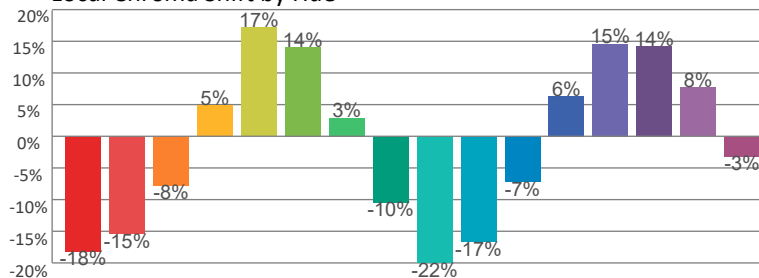
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	66	-18%	-6%
2	68	-15%	10%
3	60	-8%	26%
4	58	5%	26%
5	63	17%	17%
6	78	14%	0%
7	89	3%	-7%
8	74	-10%	-12%
9	75	-22%	3%
10	64	-17%	22%
11	35	-7%	32%
12	66	6%	24%
13	75	15%	13%
14	74	14%	-7%
15	72	8%	-23%
16	73	-3%	-14%



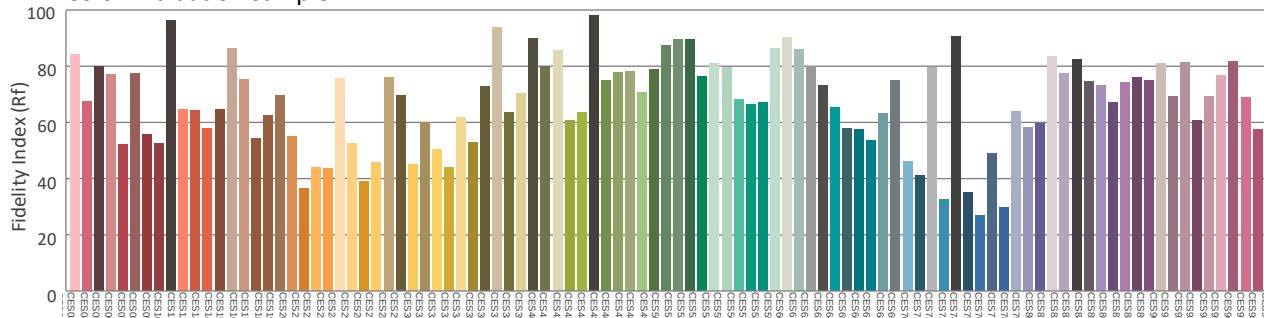
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

Report Summary

Measurements

Fixture Output: 14901 lm
Fixture Peak: 875379 cd
Fixture Efficacy: 36 lm/W
Intensity @ 5m: 35015 lux
Color Temperature: 8519 K
CRI: 67.9 CRI R9 Value: -35.3
CQS: 68.5
TLCI: 42
TM-30 Rf: 67.7
TM-30 Rg: 95.1
Beam Angle (50%): 8.6°
Field Angle (10%): 10.2°
Cutoff Angle (3%): 11.7°

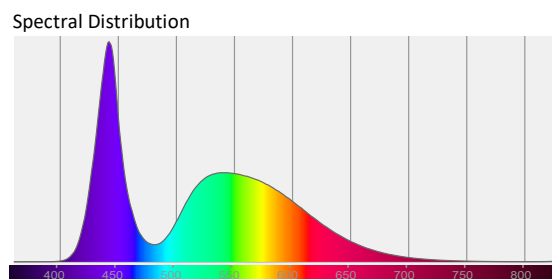
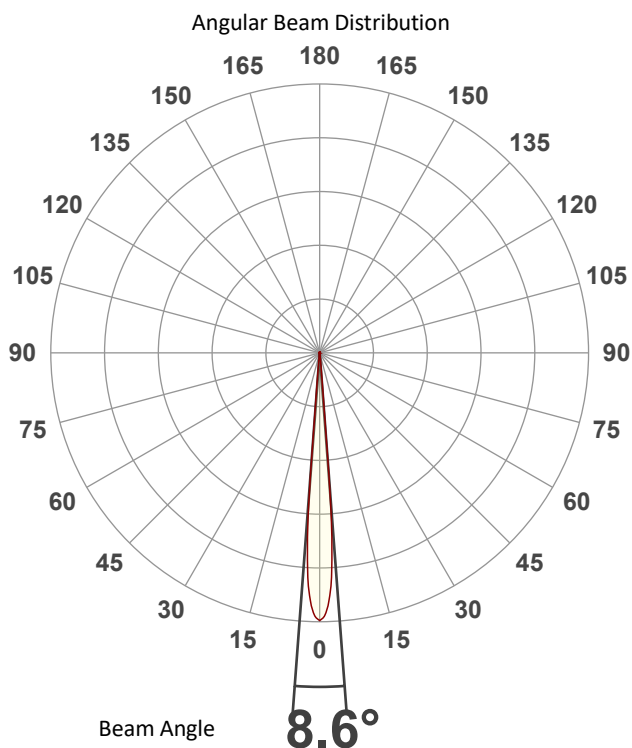
Conditions

AC Supply: 114 V, 60 Hz
Power: 423.86 W
Current: 3.72 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

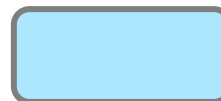
Overall Measurement



Tested Color (CIE 1931):

X: 0.290

Y: 0.302



Light Quality

CRI: 67.9

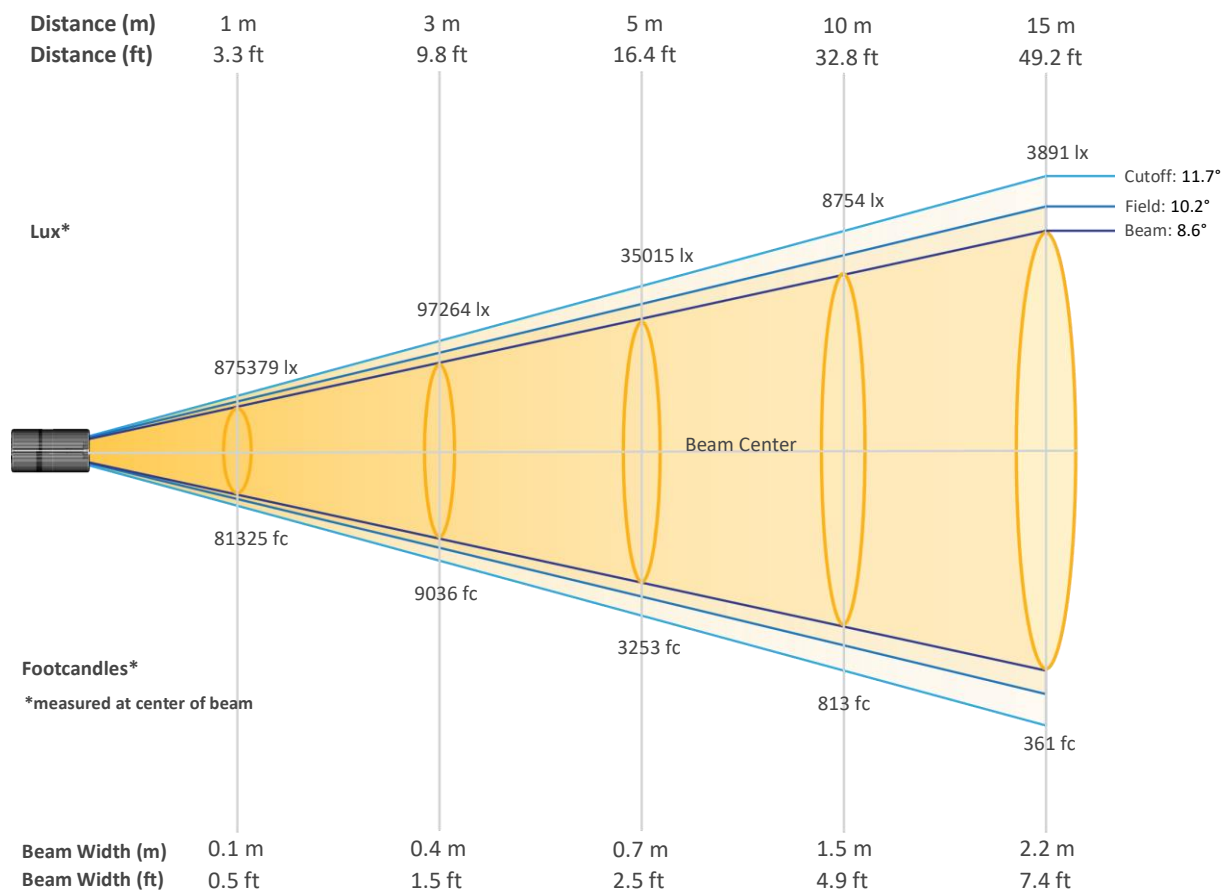
Color Temperature

8519 K

Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

Beam Details

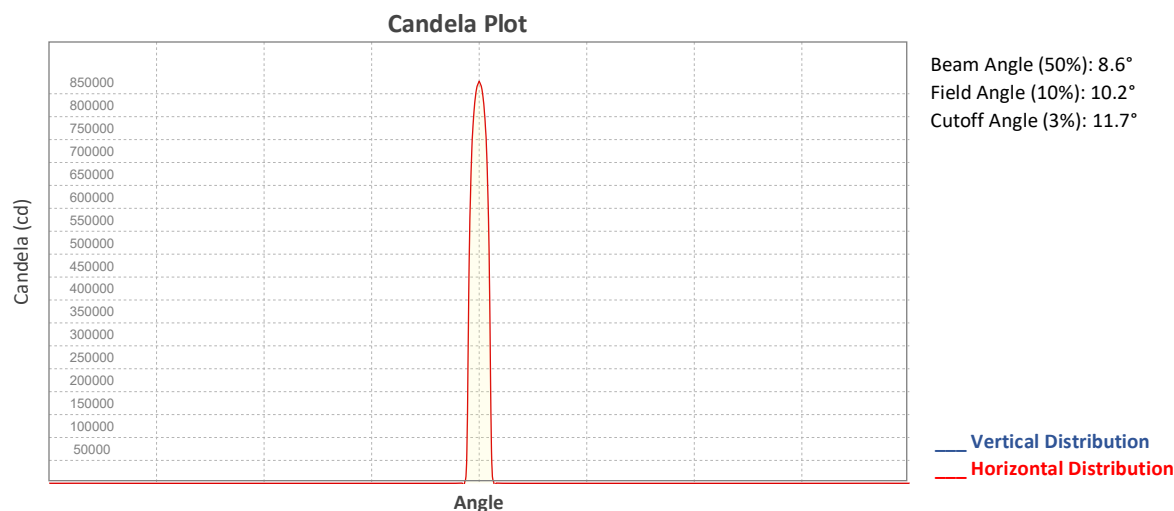


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	875379	218845	97264	54711	35015	24316	17865	13678	10807	8754
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	7235	6079	5180	4466	3891	3419	3029	2702	2425	2188
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	81325	20331	9036	5083	3253	2259	1660	1271	1004	813
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	672	565	481	415	361	318	281	251	225	203

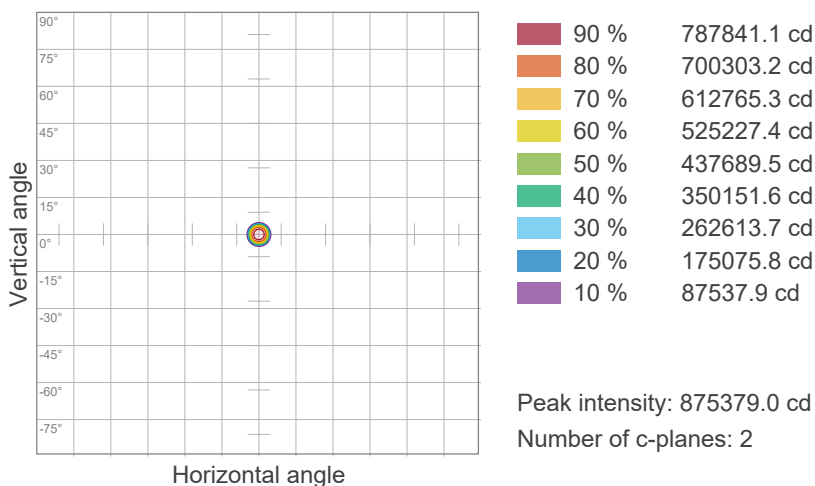
Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

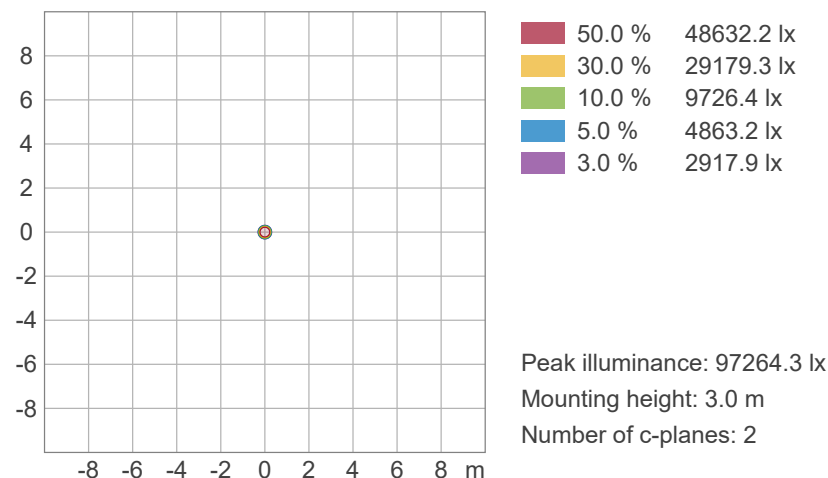


ISO Diagrams

ISO Candela Diagram



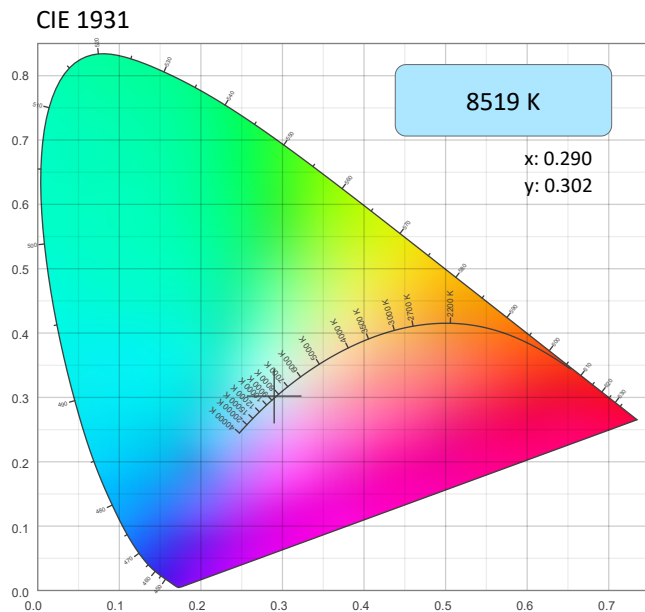
ISO Lux Diagram



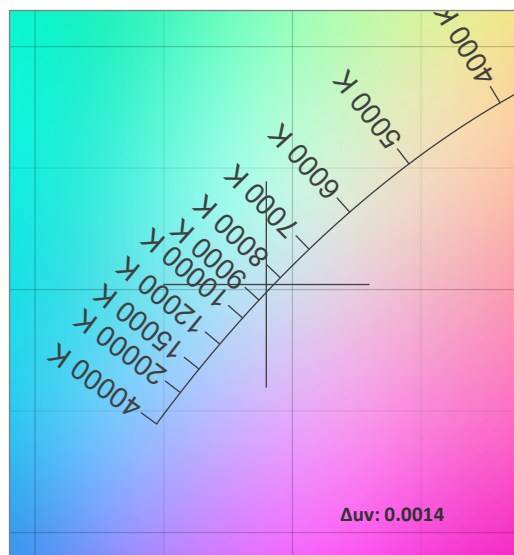
Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

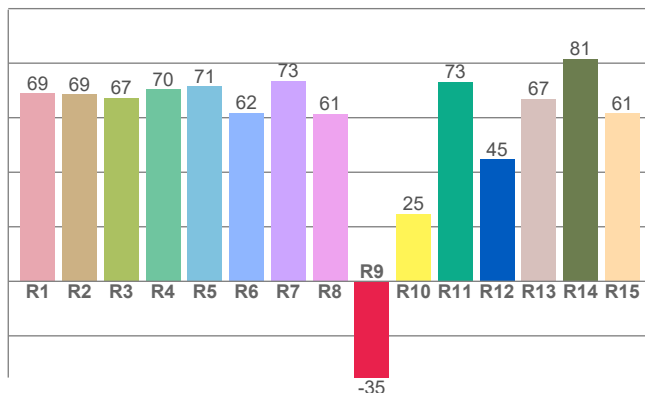
Chromaticity



CIE 1931 - Zoom



CRI: 67.9 (R1-R8)

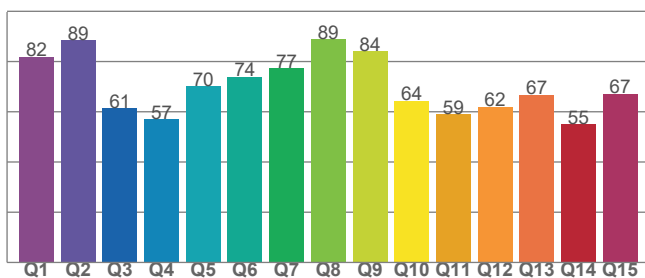


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8519 K	0.290	0.302

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0014	0.302	0.192

CQS: 68.5



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
67.9	-35.3	68.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
42	67.7	95.1

Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

TM-30 Details

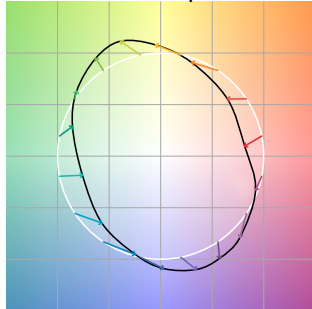
Rf 67.7

Fidelity Index
(R_f)

Rg 95.1

Gammut Index (R_g)

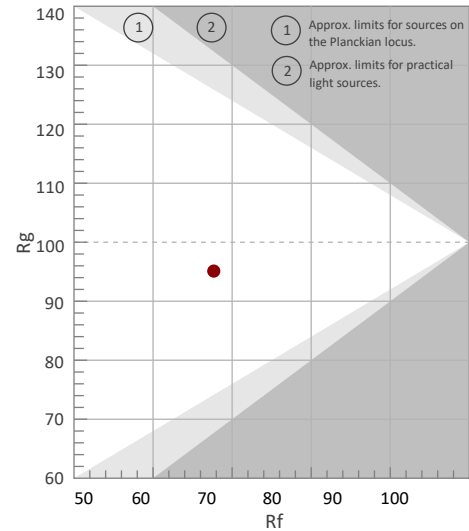
Color Vector Graphic



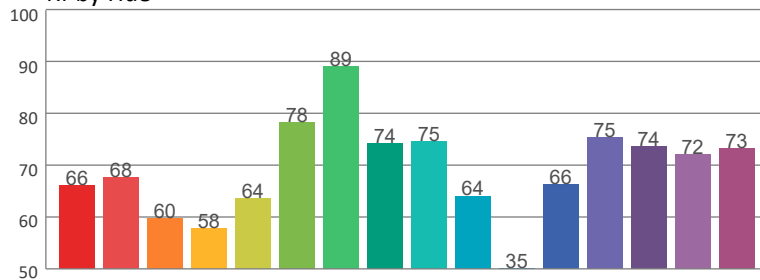
Color Distortion Graphic



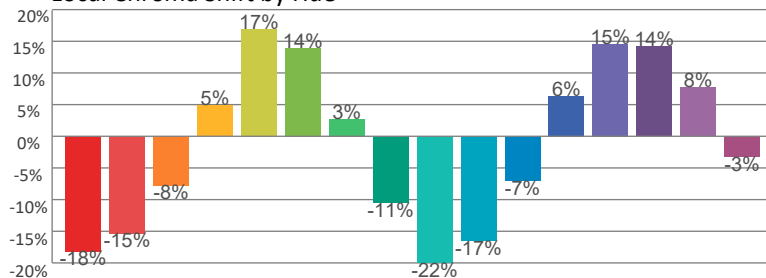
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	66	-18%	-6%
2	68	-15%	10%
3	60	-8%	25%
4	58	5%	26%
5	64	17%	16%
6	78	14%	0%
7	89	3%	-7%
8	74	-11%	-12%
9	75	-22%	3%
10	64	-17%	22%
11	35	-7%	32%
12	66	6%	24%
13	75	15%	13%
14	74	14%	-8%
15	72	8%	-23%
16	73	-3%	-14%



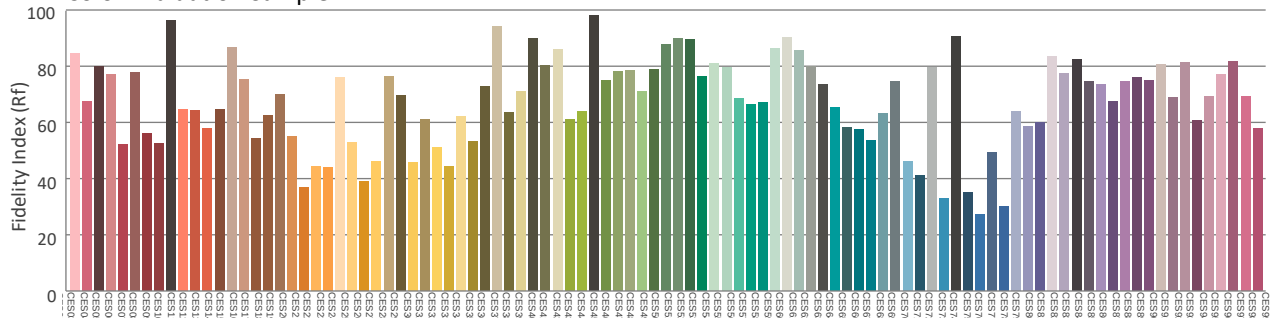
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power-Stable

Report Summary

Measurements

Fixture Output: 15038 lm
Fixture Peak: 850986 cd
Fixture Efficacy: 36 lm/W
Intensity @ 5m: 34039 lux
Color Temperature: 8540 K
CRI: 68.3 CRI R9 Value: -34.4
CQS: 68.7
TLCI: 42
TM-30 Rf: 68.1
TM-30 Rg: 95.0
Beam Angle (50%): 8.4°
Field Angle (10%): 10.4°
Cutoff Angle (3%): 11.6°

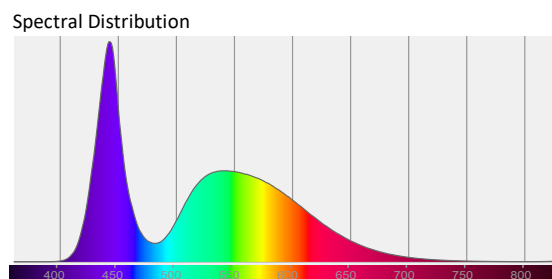
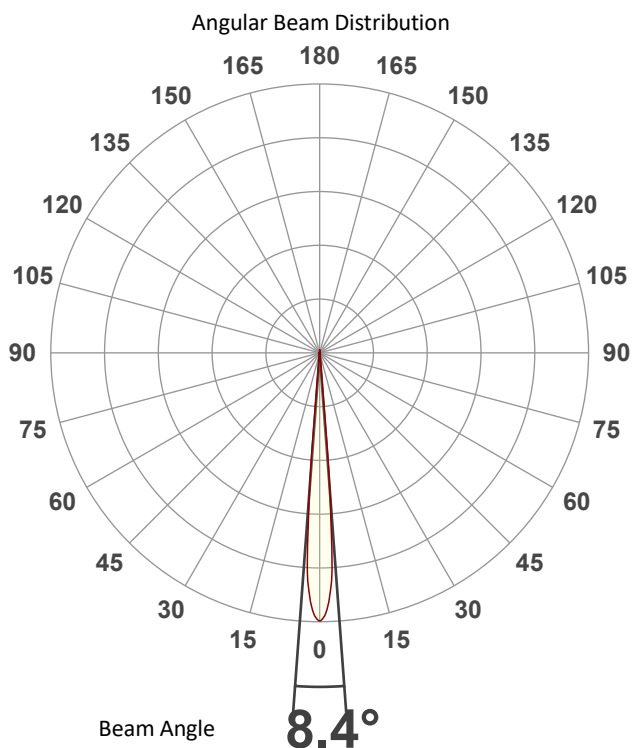
Conditions

AC Supply: 113 V, 60.1 Hz
Power: 419.58 W
Current: 3.70 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

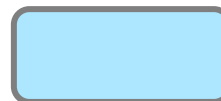
Overall Measurement



Tested Color (CIE 1931):

X: 0.290

Y: 0.302



Light Quality

CRI: 68.3

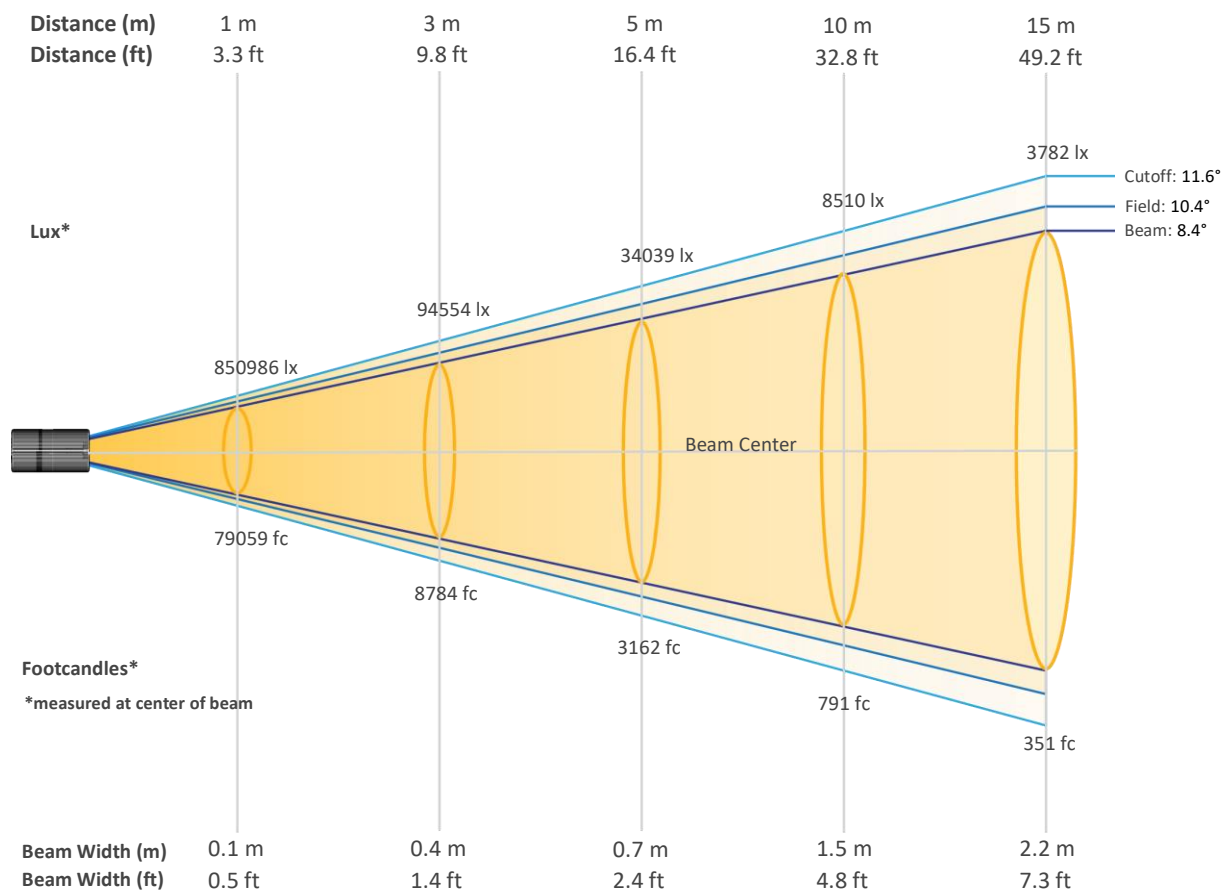
Color Temperature

8540 K

Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power-Stable

Beam Details

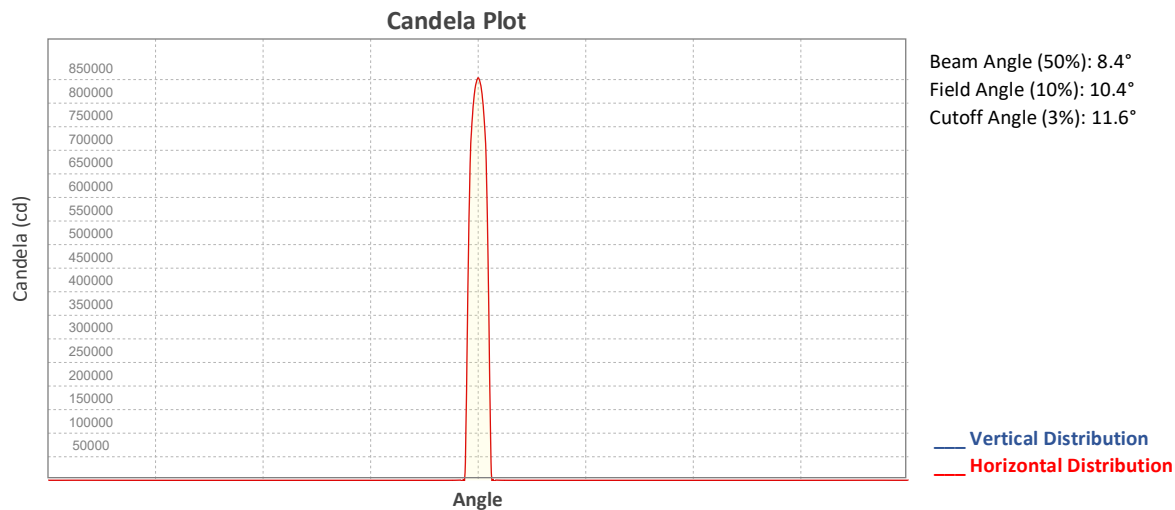


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	850986	212747	94554	53187	34039	23639	17367	13297	10506	8510
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	7033	5910	5035	4342	3782	3324	2945	2627	2357	2127
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	79059	19765	8784	4941	3162	2196	1613	1235	976	791
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	653	549	468	403	351	309	274	244	219	198

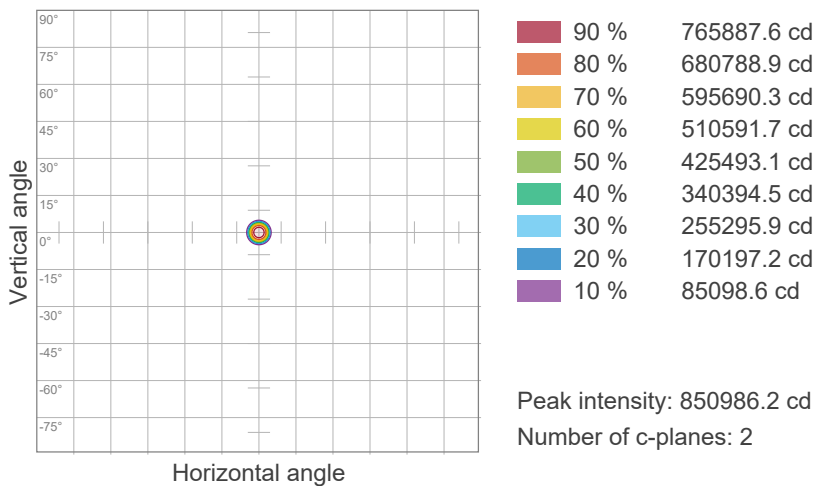
Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power-Stable

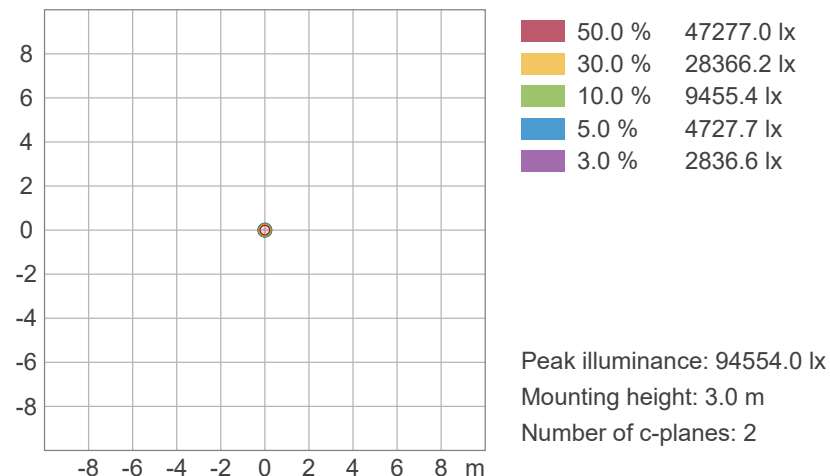


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

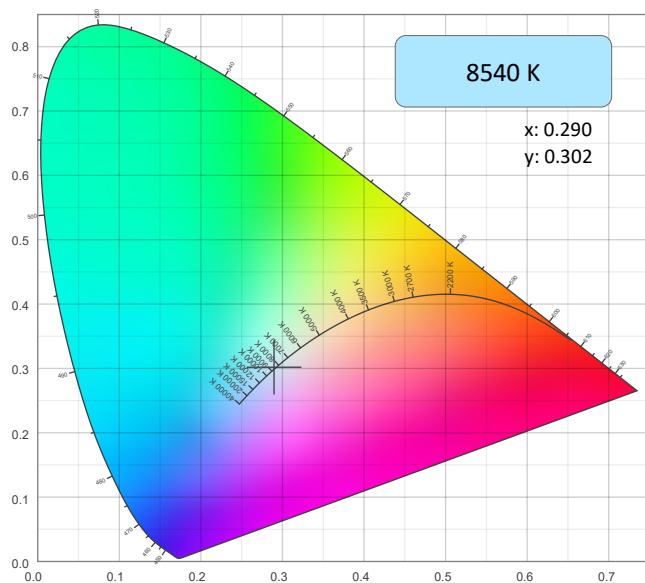


Photometric & Chromaticity Report

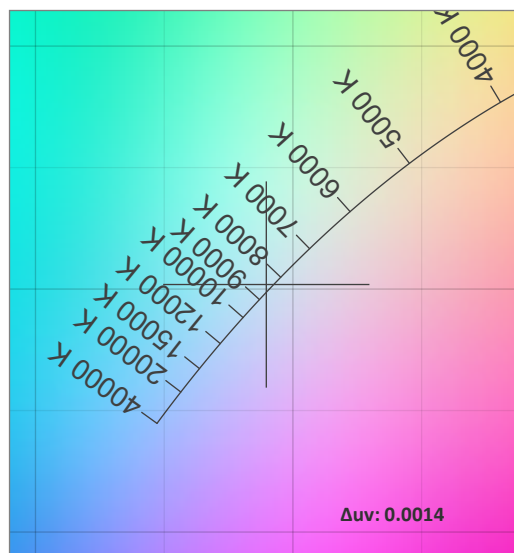
Rogue R3E Spot: Full Spot - Full Power-Stable

Chromaticity

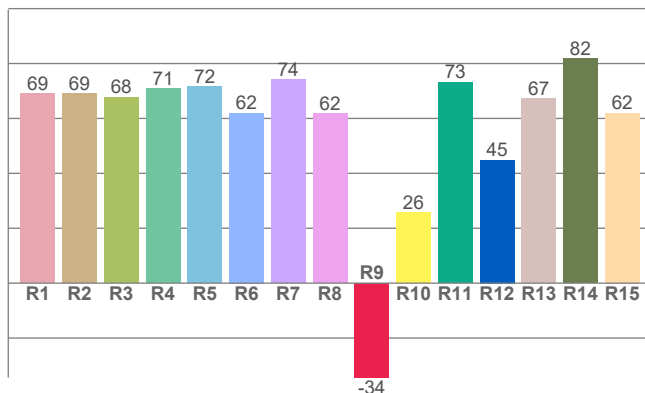
CIE 1931



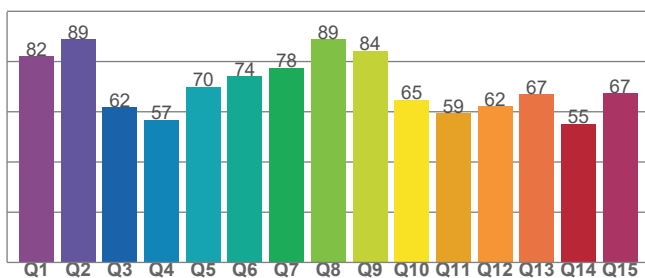
CIE 1931 - Zoom



CRI: 68.3 (R1-R8)



CQS: 68.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8540 K	0.290	0.302

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0014	0.302	0.192

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.3	-34.4	68.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
42	68.1	95.0

Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power-Stable

TM-30 Details

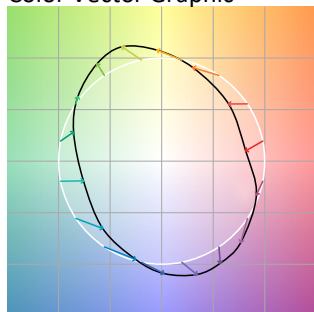
Rf 68.1

Fidelity Index
(R_f)

Rg 95.0

Gamut Index (R_g)

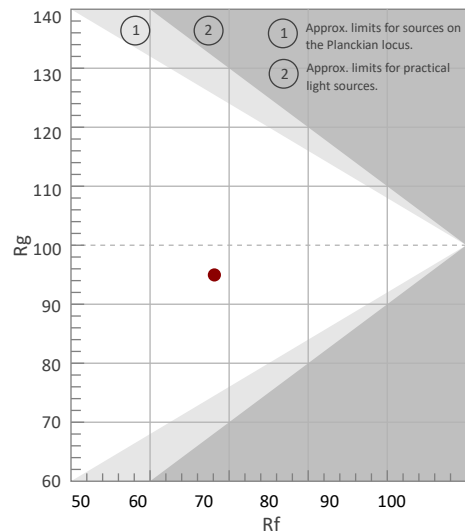
Color Vector Graphic



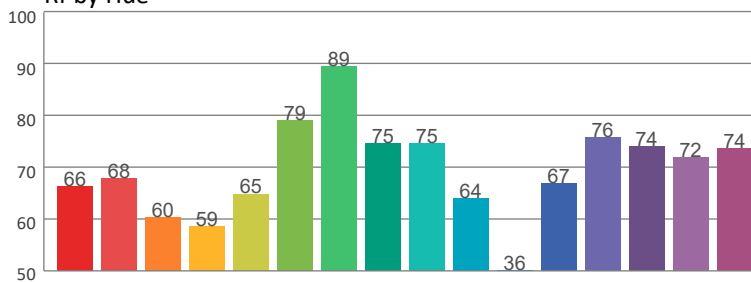
Color Distortion Graphic



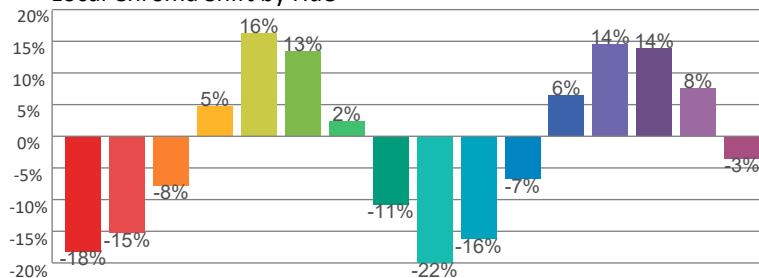
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	66	-18%	-6%
2	68	-15%	10%
3	60	-8%	25%
4	59	5%	25%
5	65	16%	16%
6	79	13%	0%
7	89	2%	-7%
8	75	-11%	-11%
9	75	-22%	4%
10	64	-16%	23%
11	36	-7%	32%
12	67	6%	23%
13	76	14%	12%
14	74	14%	-8%
15	72	8%	-23%
16	74	-3%	-14%



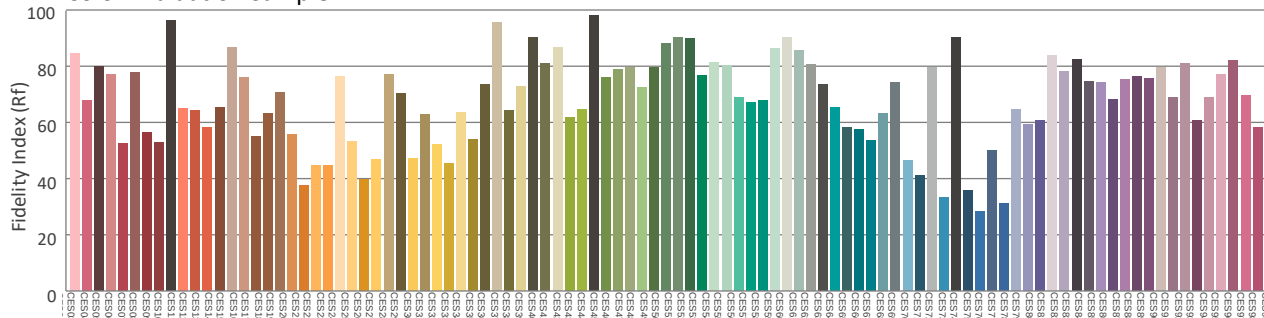
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

Report Summary

Measurements

Fixture Output: 13688 lm
Fixture Peak: 806028 cd
Fixture Efficacy: 36 lm/W
Intensity @ 5m: 32241 lux
Color Temperature: 8490 K
CRI: 67.6 CRI R9 Value: -36.3
CQS: 68.4
TLCI: 41
TM-30 Rf: 67.5
TM-30 Rg: 95.1
Beam Angle (50%): 8.7°
Field Angle (10%): 10.1°
Cutoff Angle (3%): 10.4°

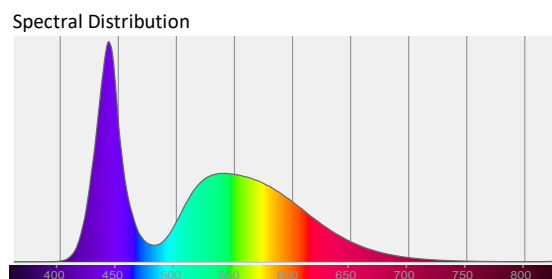
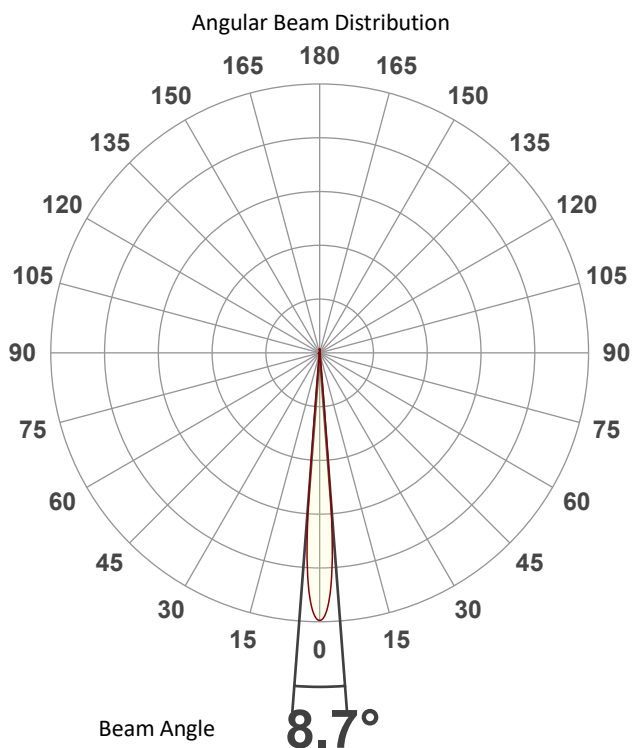


Conditions

AC Supply: 115 V, 60 Hz
Power: 389.45 W
Current: 3.40 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/25/2024 to LM-63-2002 Standards.

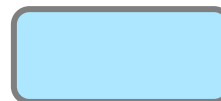
Overall Measurement



Tested Color (CIE 1931):

X: 0.290

Y: 0.302



Light Quality

CRI: 67.6

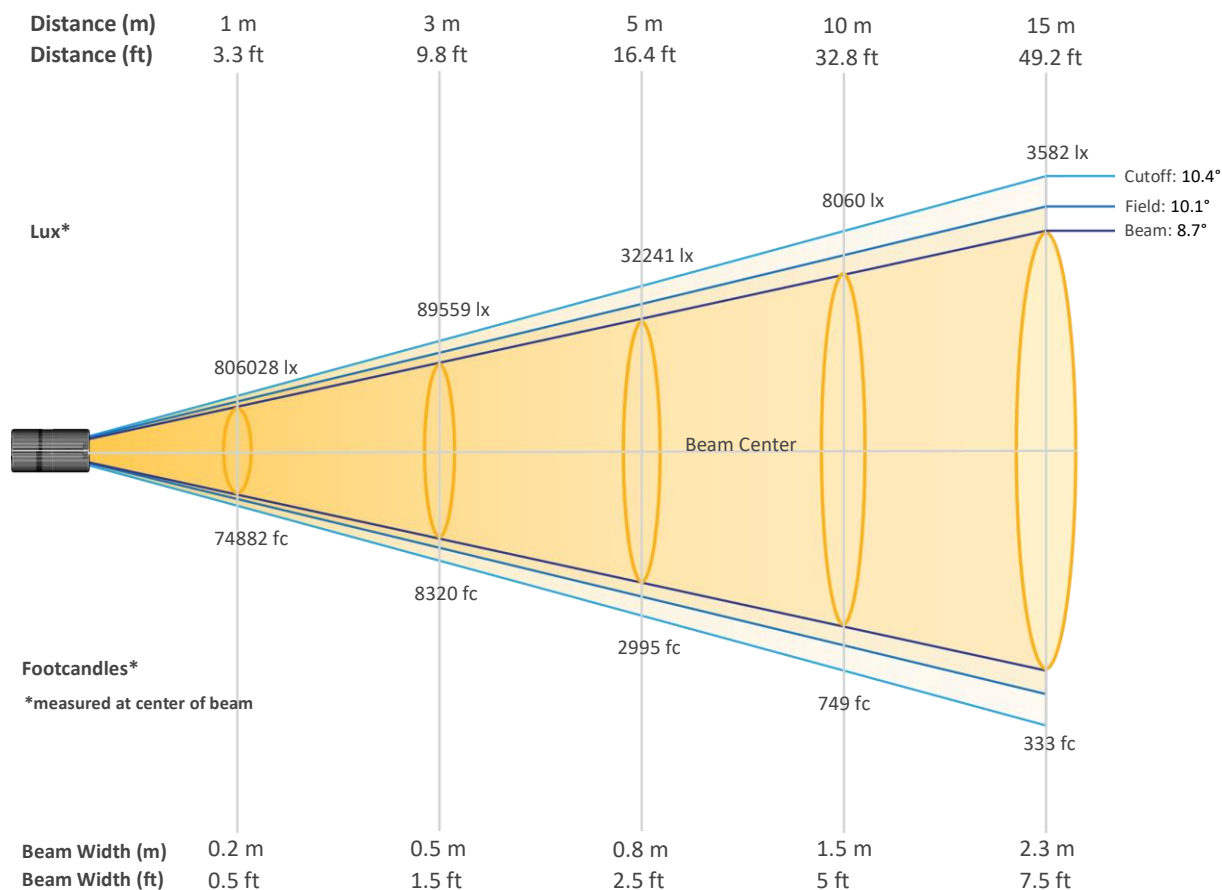
Color Temperature

8490 K

Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

Beam Details

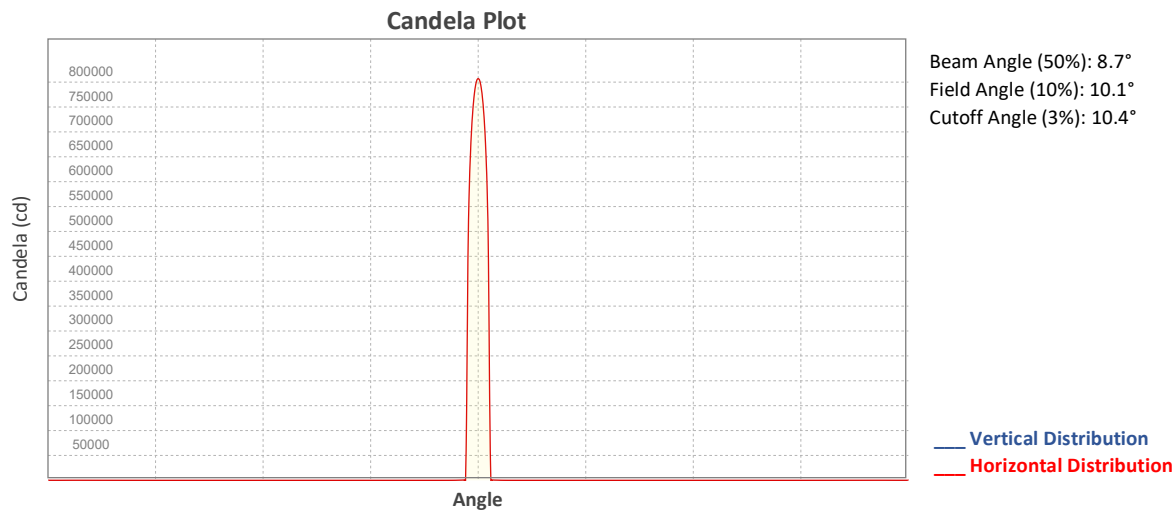


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	806028	201507	89559	50377	32241	22390	16450	12594	9951	8060
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	6661	5597	4769	4112	3582	3149	2789	2488	2233	2015
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	74882	18721	8320	4680	2995	2080	1528	1170	924	749
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	619	520	443	382	333	293	259	231	207	187

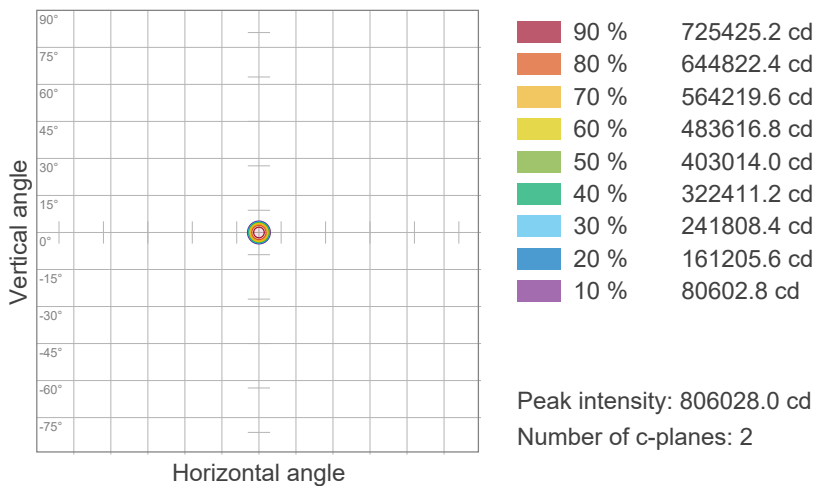
Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

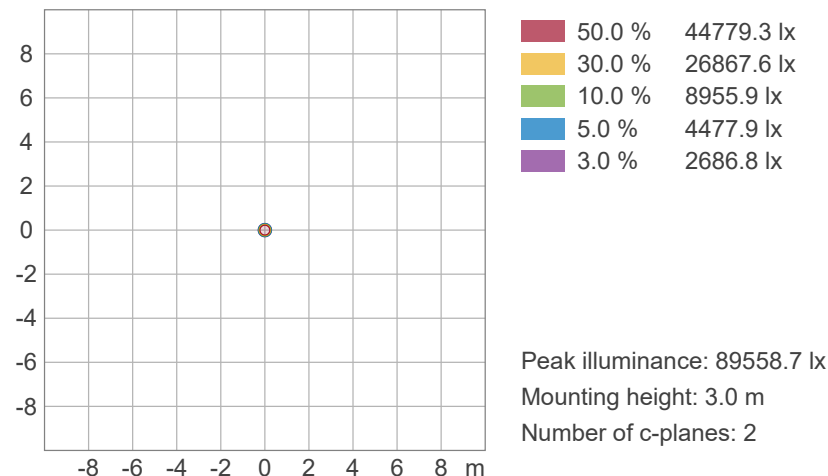


ISO Diagrams

ISO Candela Diagram



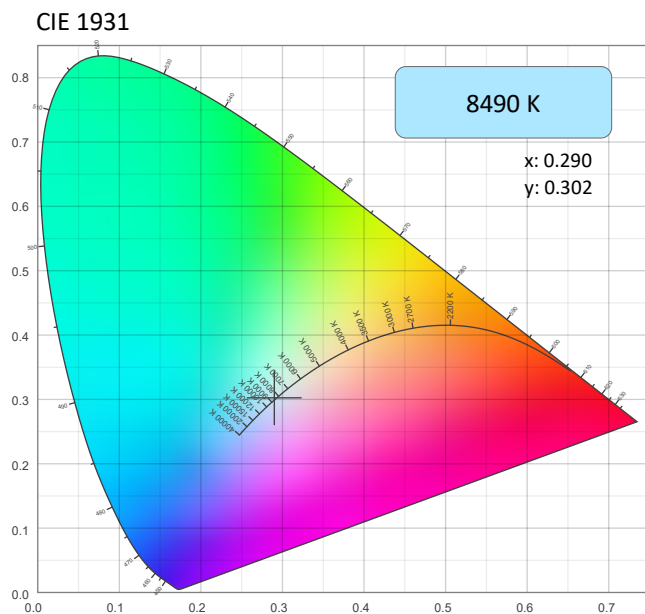
ISO Lux Diagram



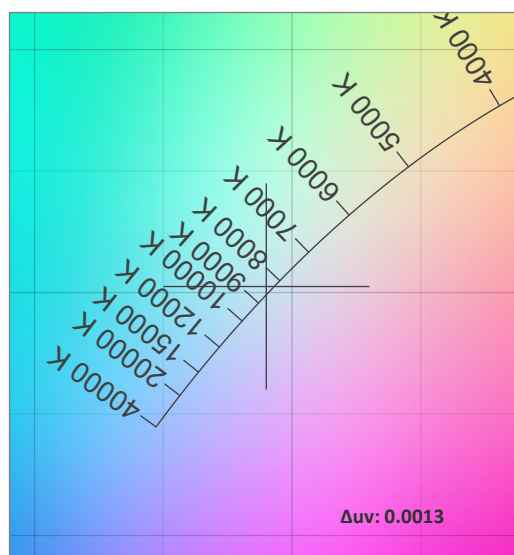
Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

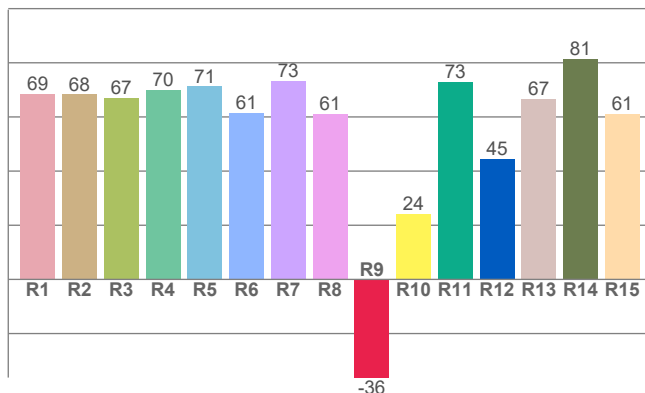
Chromaticity



CIE 1931 - Zoom



CRI: 67.6 (R1-R8)

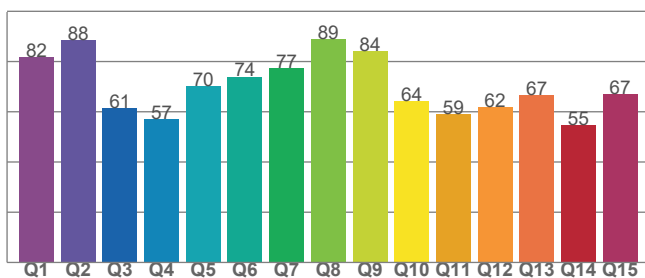


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8490 K	0.290	0.302

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0013	0.302	0.192

CQS: 68.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
67.6	-36.3	68.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
41	67.5	95.1

Photometric & Chromaticity Report

Rogue R3E Spot: Full Spot - Full Power

TM-30 Details

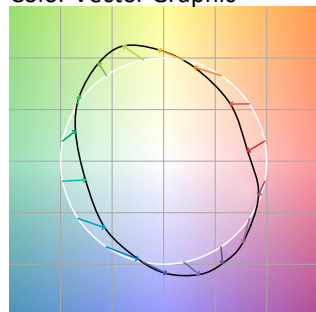
Rf 67.5

Fidelity Index
(Rg)

Rg 95.1

Gammut Index (Rg)

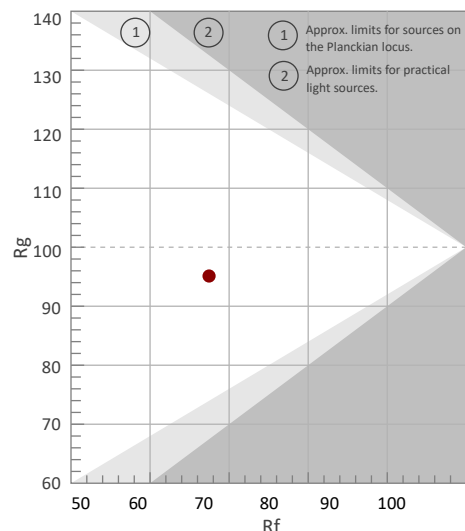
Color Vector Graphic



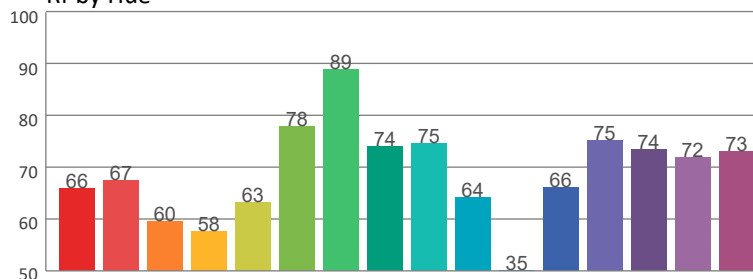
Color Distortion Graphic



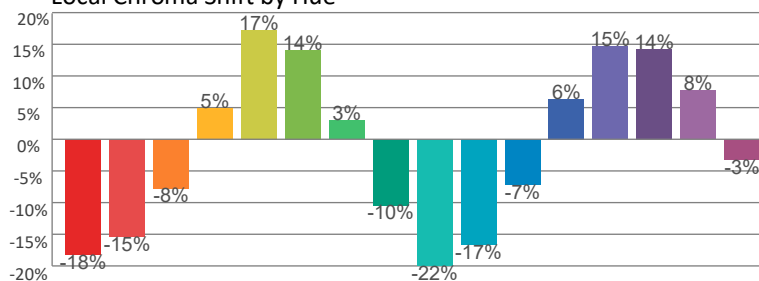
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	66	-18%	-6%
2	67	-15%	10%
3	60	-8%	26%
4	58	5%	26%
5	63	17%	17%
6	78	14%	0%
7	89	3%	-7%
8	74	-10%	-12%
9	75	-22%	3%
10	64	-17%	22%
11	35	-7%	32%
12	66	6%	24%
13	75	15%	13%
14	74	14%	-8%
15	72	8%	-23%
16	73	-3%	-15%



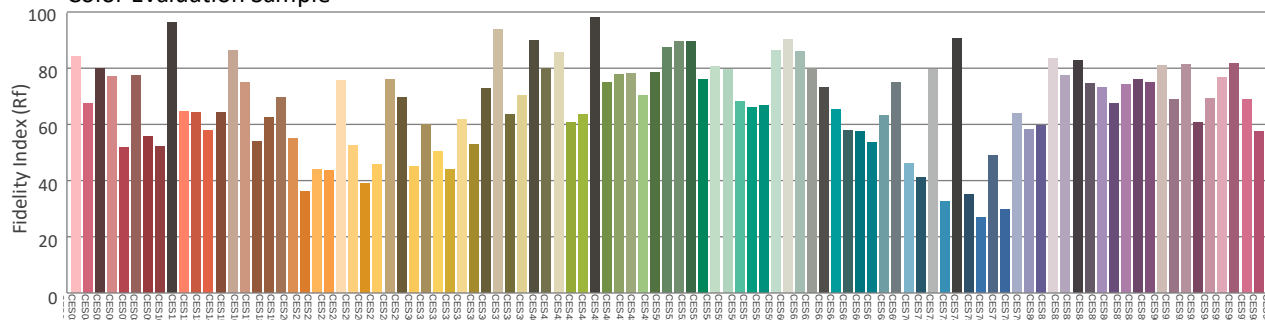
Rf by Hue



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.

