

PHOTOMETRICS REPORT

ROGUE



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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 R2X Wash: Full Flood - Full Power

Report Summary

Measurements

Fixture Output: 6418 lm

Fixture Peak: 18160 cd

Fixture Efficacy: 20 lm/W

Intensity @ 5m: 726 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%): 35.2°

Field Angle (10%): 51.2°

Cutoff Angle (3%): 64.3°

Conditions

AC Supply: 116 V, 60 Hz

Power: 327.72 W

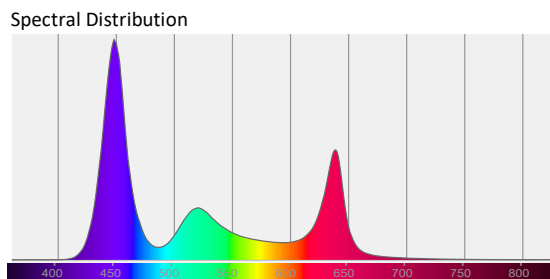
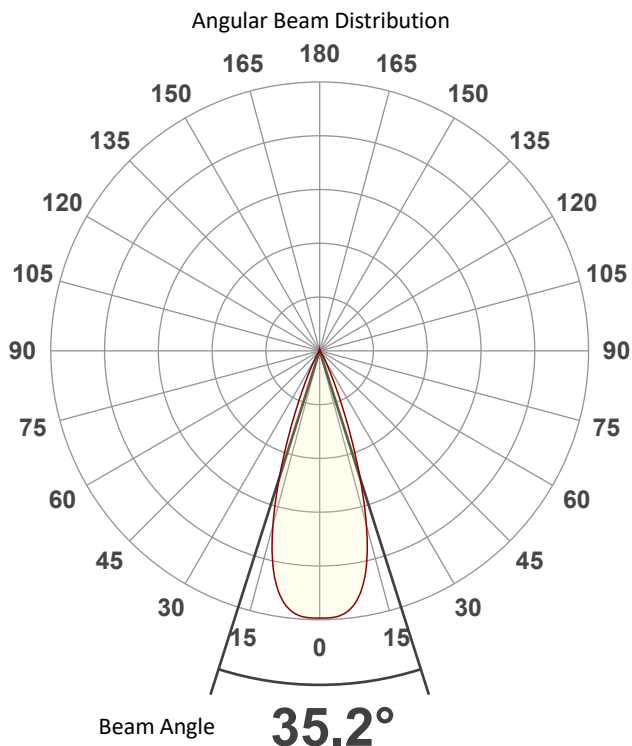
Current: 2.82 A

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 Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.255

Y: 0.192

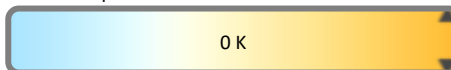


Light Quality

CRI: 0.0

Color Temperature

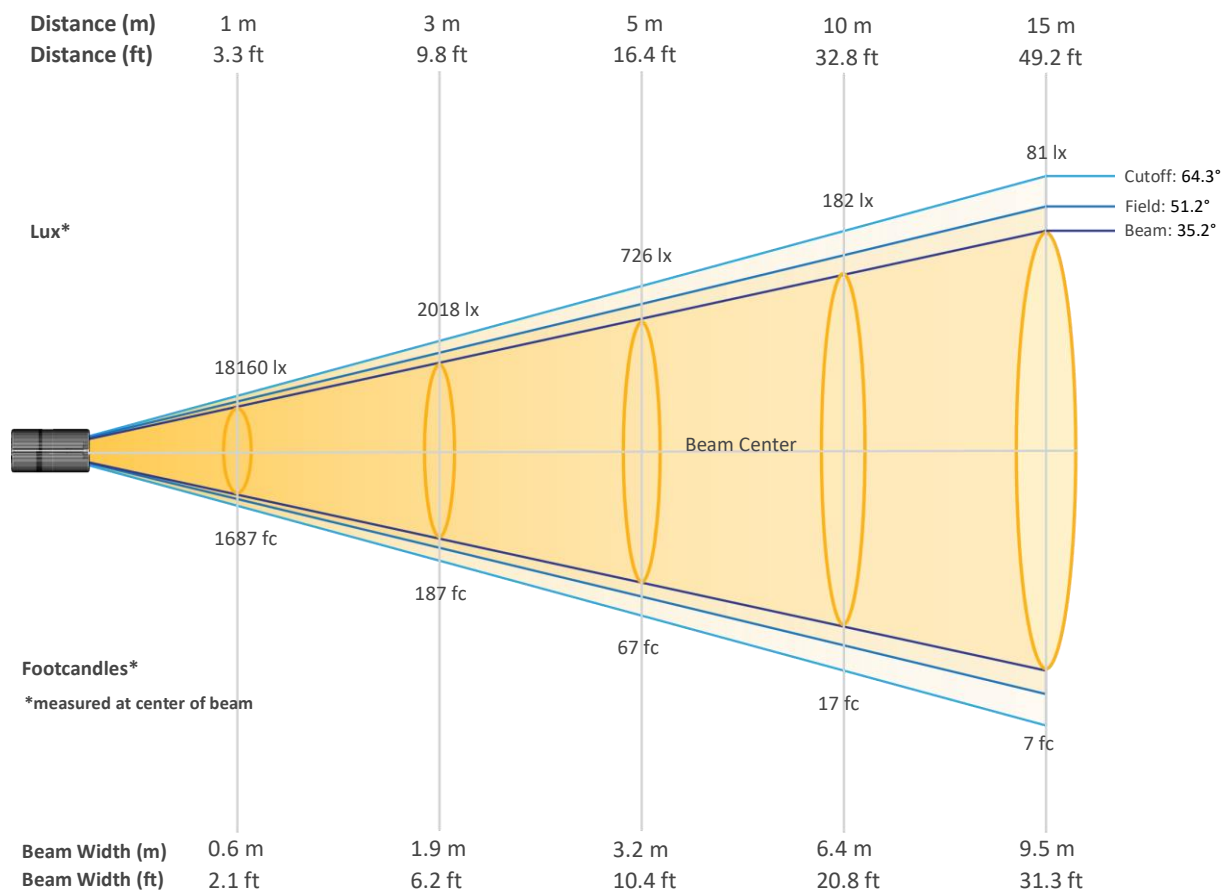
0 K



Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Full Power

Beam Details

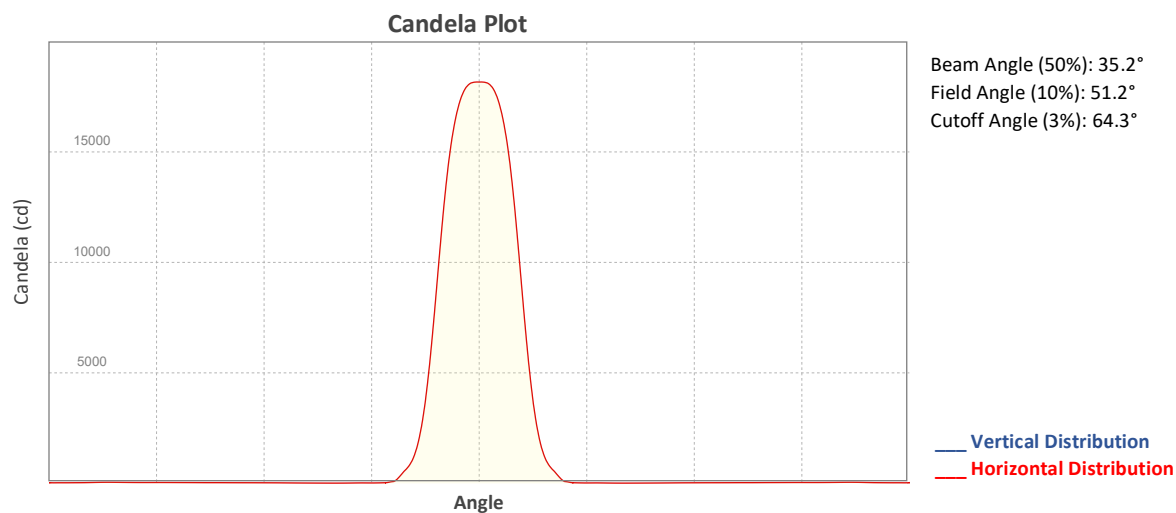


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	18160	4540	2018	1135	726	504	371	284	224	182
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	150	126	107	93	81	71	63	56	50	45
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1687	422	187	105	67	47	34	26	21	17
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	14	12	10	9	7	7	6	5	5	4

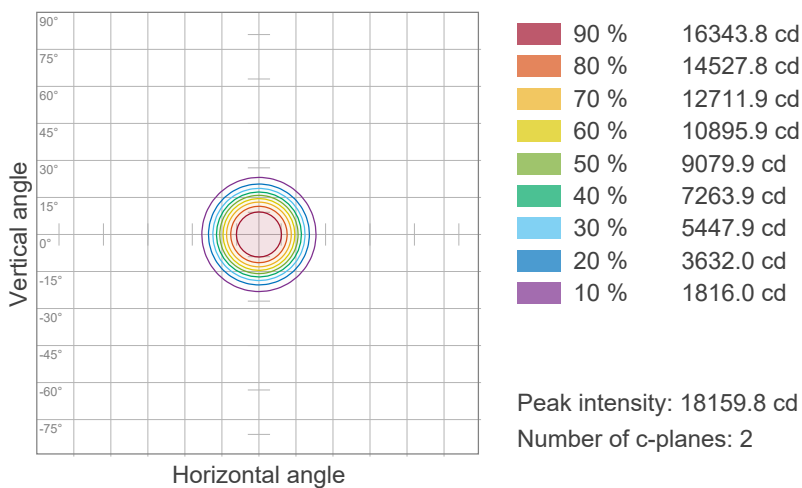
Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Full Power

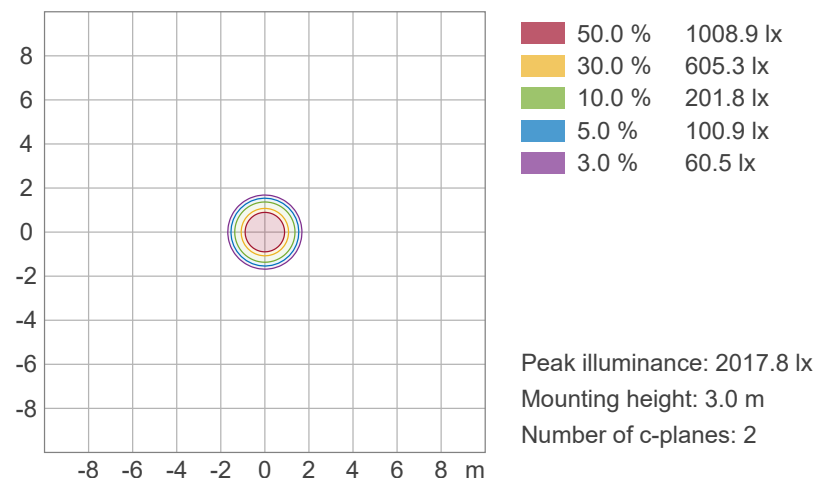


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Full Power

TM-30 Details

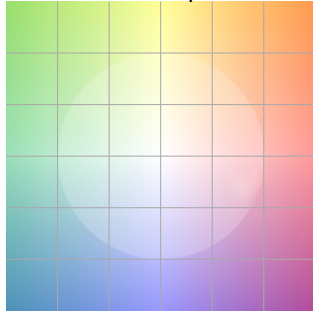
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index (Rg)

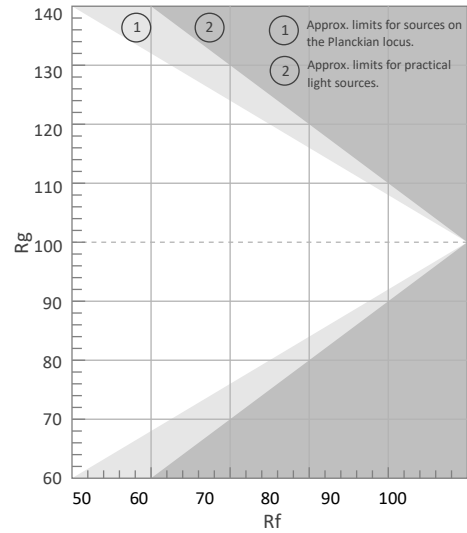
Color Vector Graphic



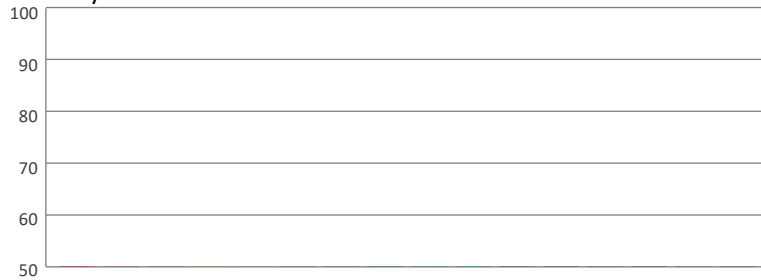
Color Distortion Graphic



		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%	



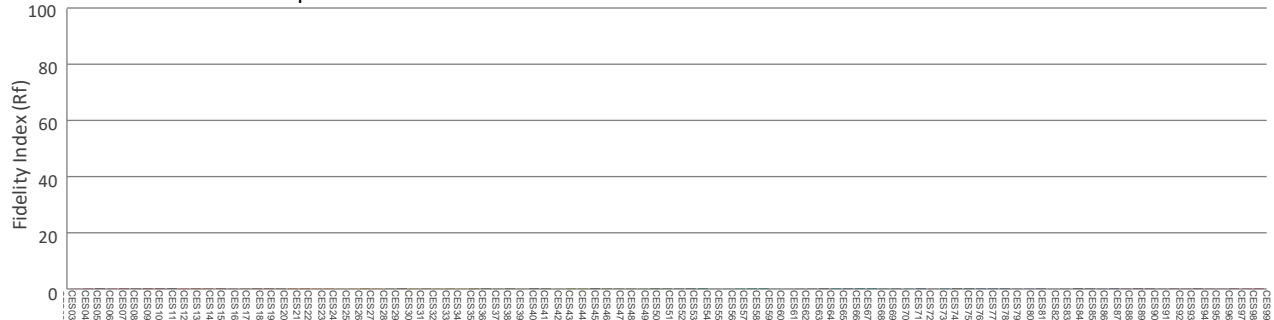
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Red Only

Report Summary

Measurements

Fixture Output: 1558 lm

Fixture Peak: 4595 cd

Fixture Efficacy: 14 lm/W

Intensity @ 5m: 184 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%): 34.4°

Field Angle (10%): 50.5°

Cutoff Angle (3%): 63.5°

Conditions

AC Supply: 117 V, 60.1 Hz

Power: 113.72 W

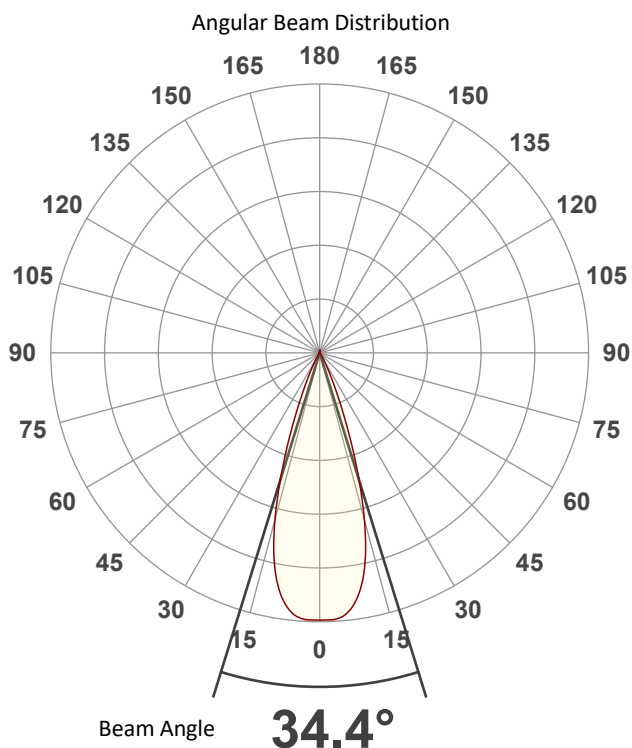
Current: 0.969 A

Power Factor: 0.99

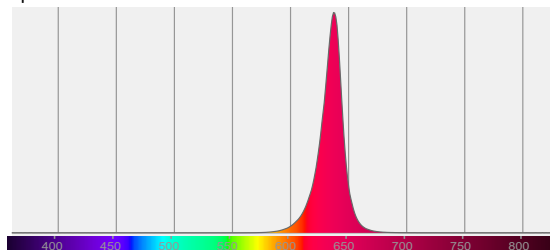


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Spectral Distribution



Tested Color (CIE 1931):

X: 0.702

Y: 0.298



Light Quality

CRI: 0.0

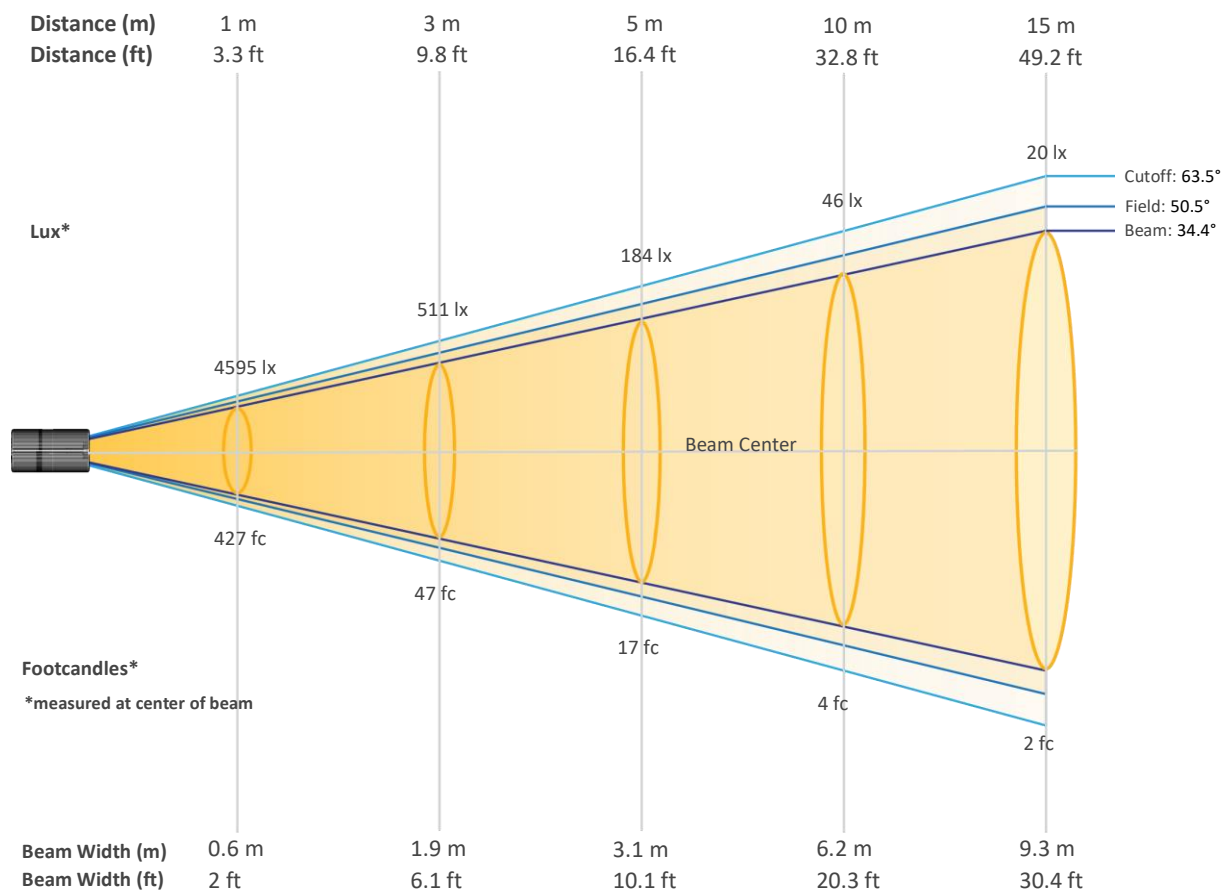
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Red Only

Beam Details

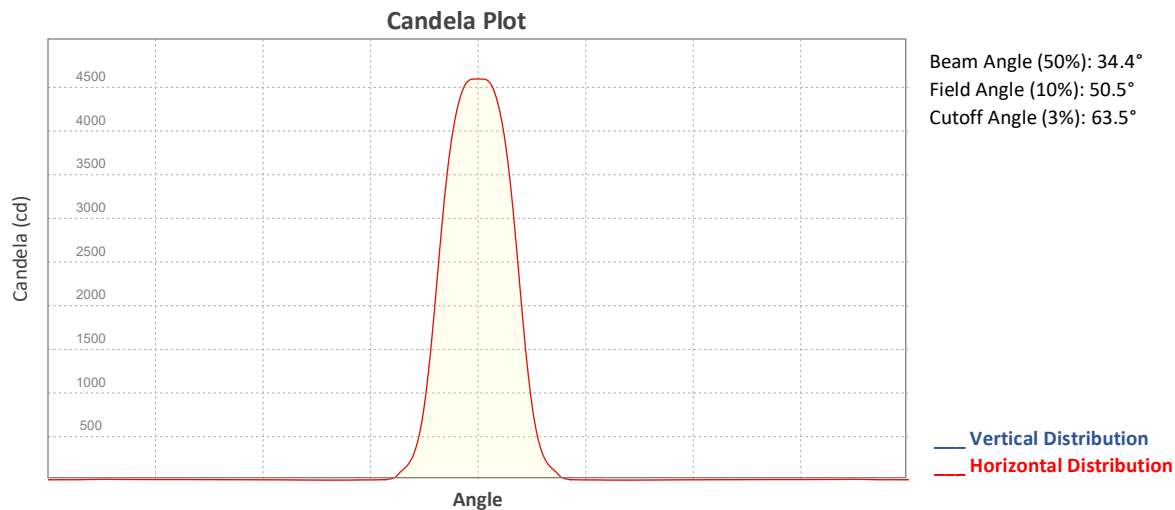


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4595	1149	511	287	184	128	94	72	57	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	427	107	47	27	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

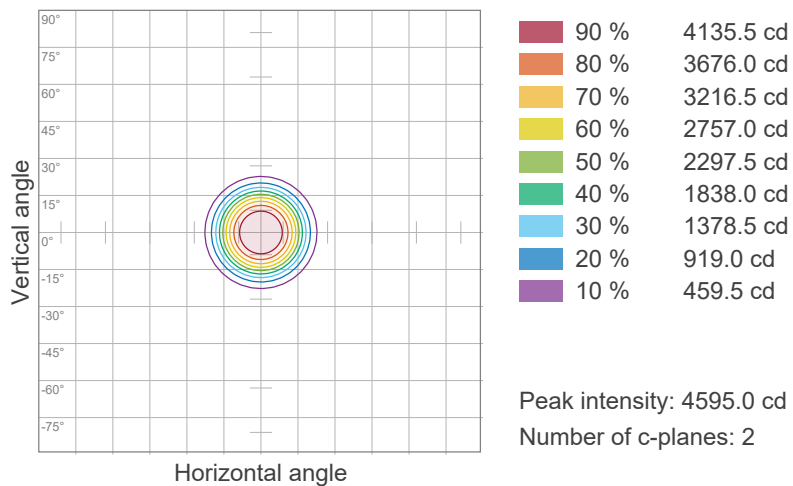
Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Red Only

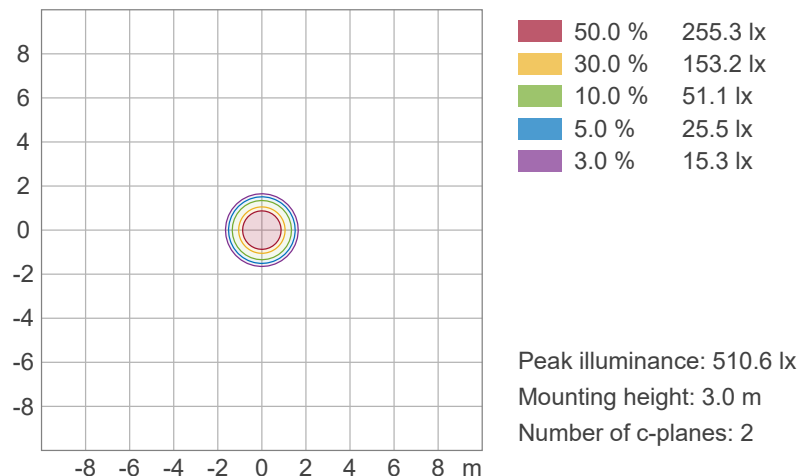


ISO Diagrams

ISO Candela Diagram



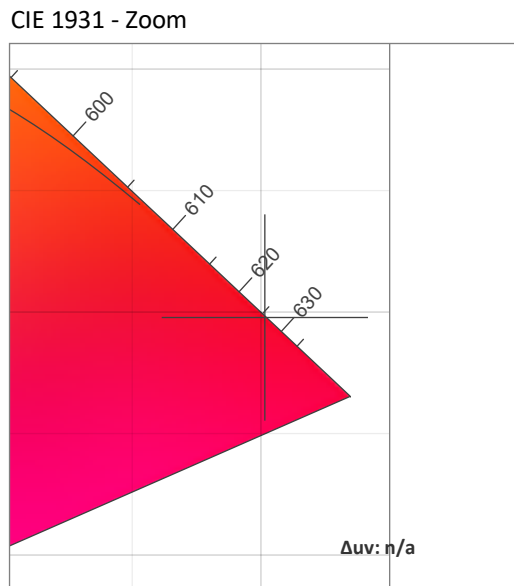
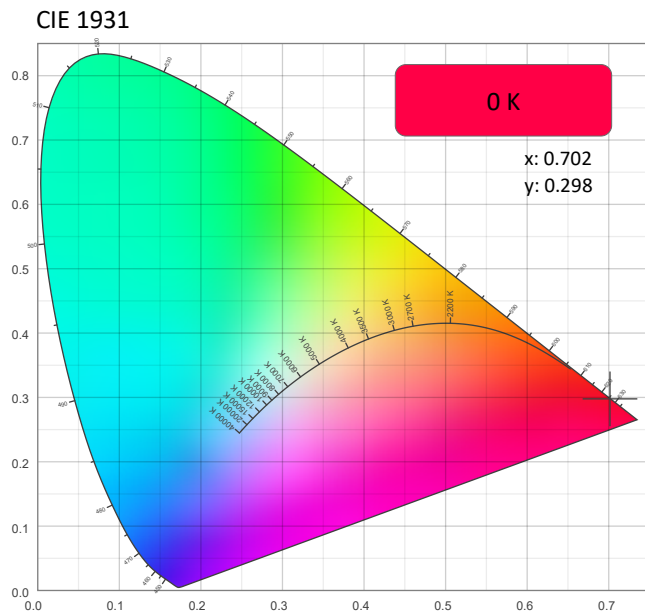
ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Red 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

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.702	0.298

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.298	0.543

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

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

Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Red Only

TM-30 Details

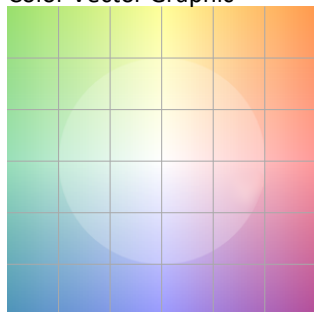
Rf 0.0

Fidelity Index
(Rg)

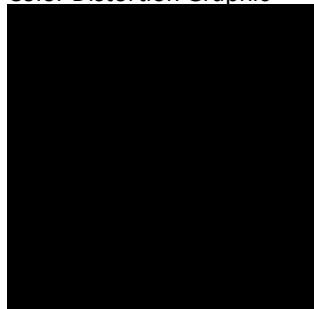
Rg 0.0

Gammut Index (Rg)

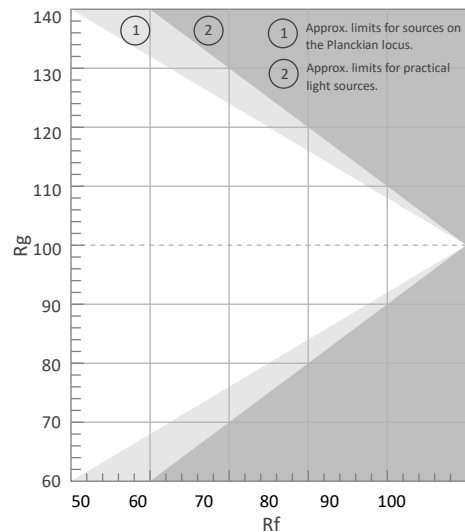
Color Vector Graphic



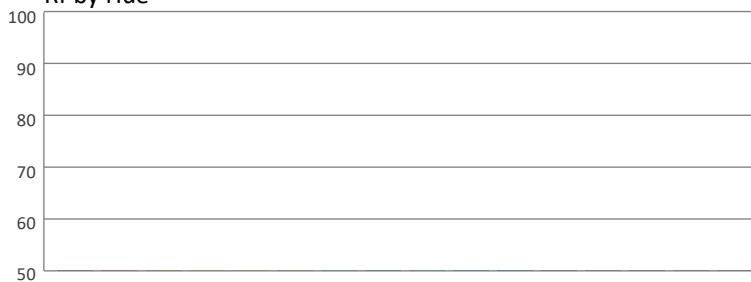
Color Distortion Graphic



		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

Rogue R2X Wash: Full Flood - Green Only

Report Summary

Measurements

Fixture Output: 2948 lm

Fixture Peak: 8616 cd

Fixture Efficacy: 21 lm/W

Intensity @ 5m: 345 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%): 34.6°

Field Angle (10%): 50.9°

Cutoff Angle (3%): 63.9°

Conditions

AC Supply: 117 V, 60 Hz

Power: 142.01 W

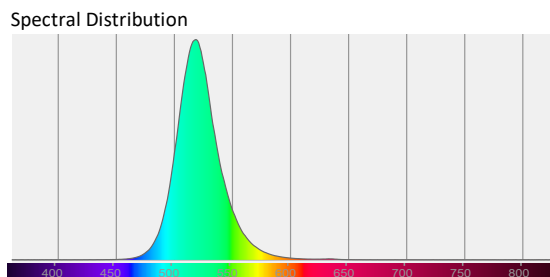
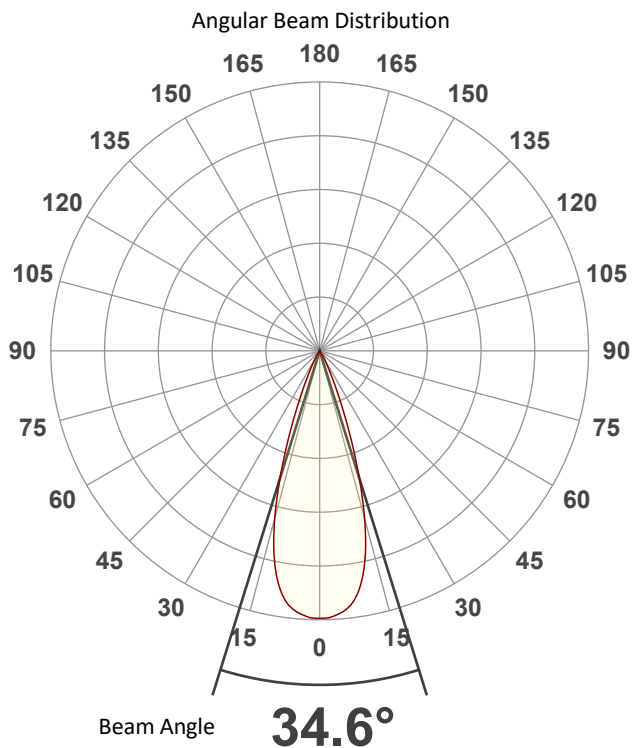
Current: 1.21 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.153

Y: 0.708

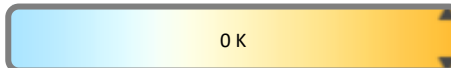


Light Quality

CRI: 0.0

Color Temperature

0 K



Rogue R2X Wash: Full Flood - Green Only

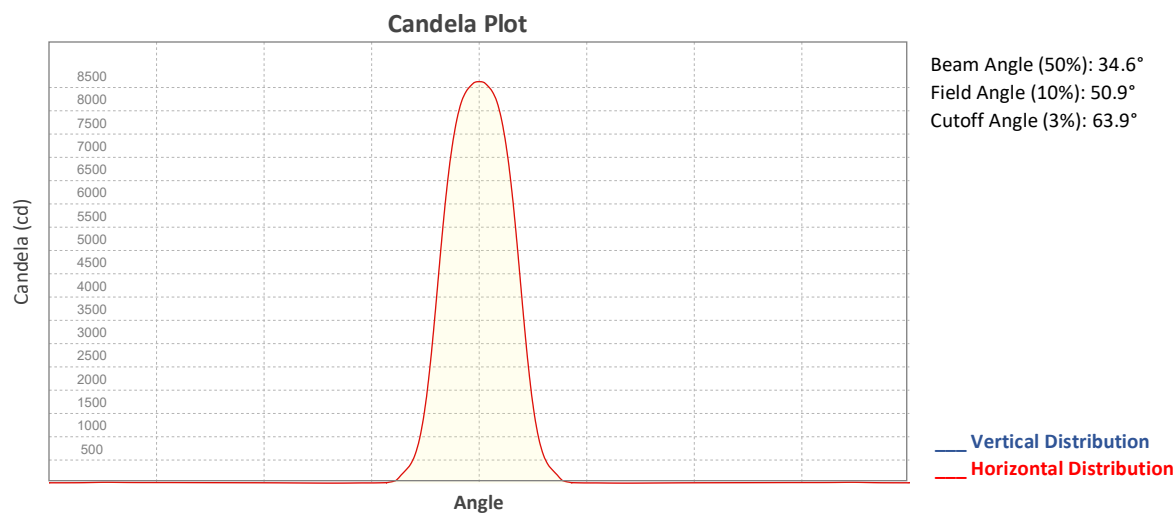
Distance (m)



Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	8616	2154	957	538	345	239	176	135	106	86
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	71	60	51	44	38	34	30	27	24	22
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	800	200	89	50	32	22	16	13	10	8
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	2	2	2

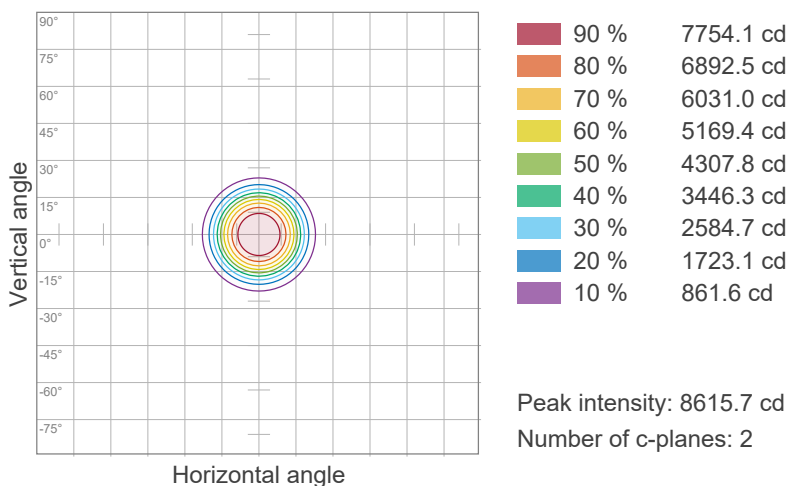
Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Green Only

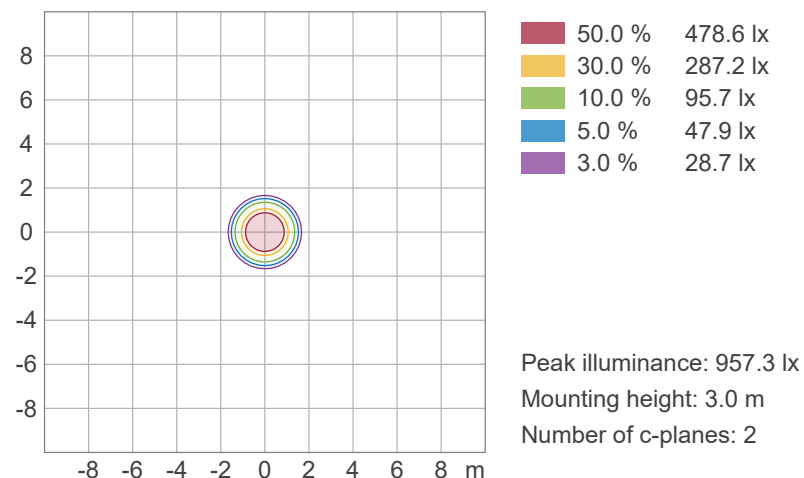


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

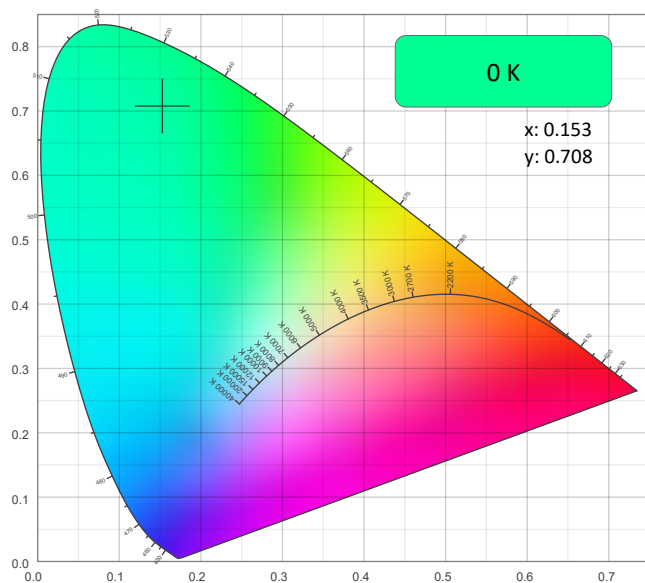


Photometric & Chromaticity Report

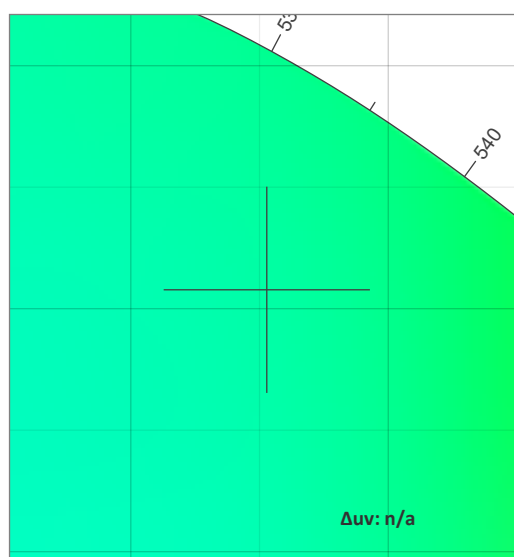
Rogue R2X Wash: Full Flood - Green Only

Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.153	0.708

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.708	0.055

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

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

Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Green Only

TM-30 Details

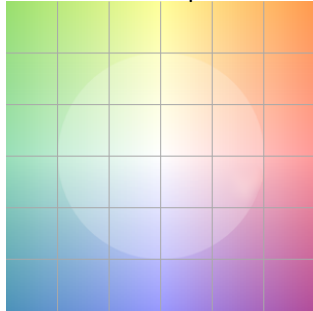
Rf 0.0

Fidelity Index
(Rg)

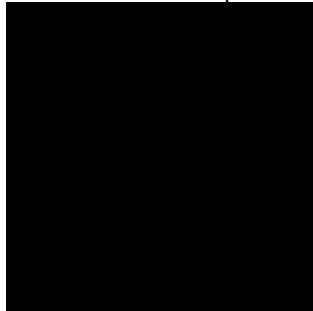
Rg 0.0

Gammut Index (Rg)

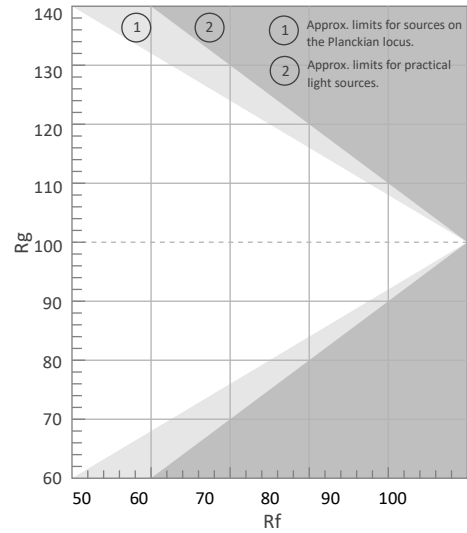
Color Vector Graphic



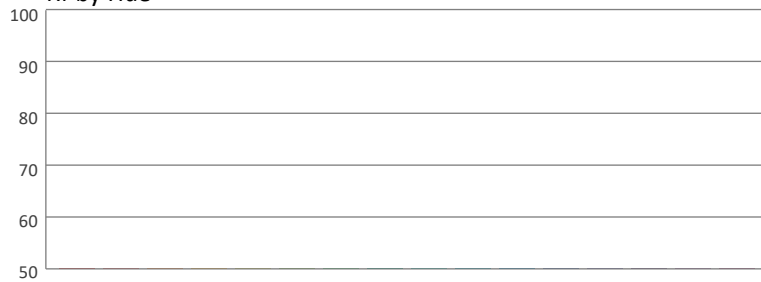
Color Distortion Graphic



		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

Rogue R2X Wash: Full Flood - Blue Only

Report Summary

Measurements

Fixture Output: 850 lm

Fixture Peak: 2452 cd

Fixture Efficacy: 7 lm/W

Intensity @ 5m: 98 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%): 34.3°

Field Angle (10%): 50.8°

Cutoff Angle (3%): 64°

Conditions

AC Supply: 117 V, 60 Hz

Power: 129.1 W

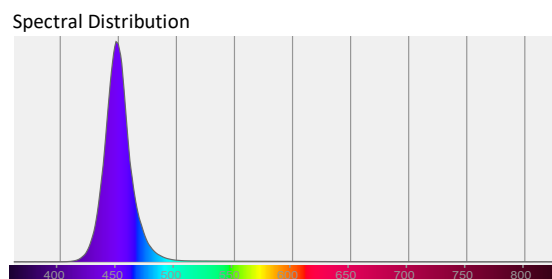
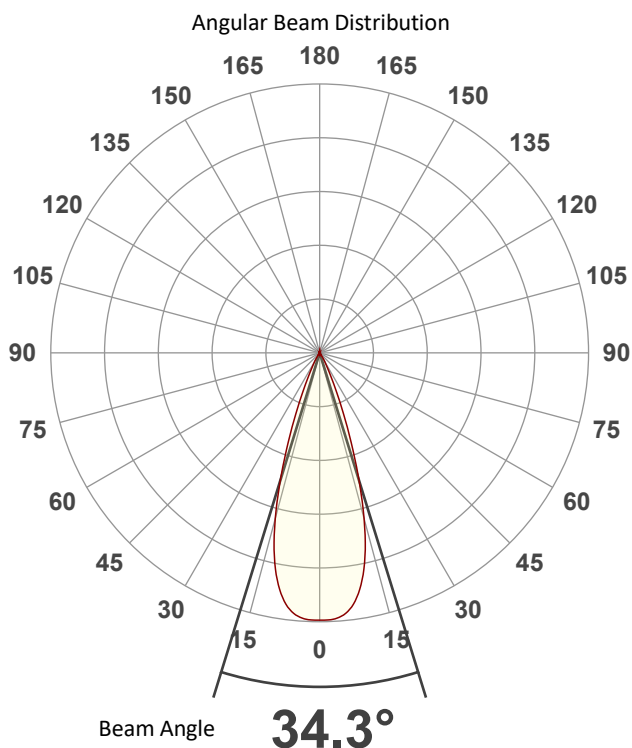
Current: 1.10 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/26/2019 to LM-63-2002 Standards.

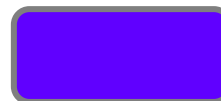
Overall Measurement



Tested Color (CIE 1931):

X: 0.156

Y: 0.027

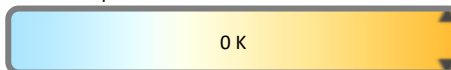


Light Quality

CRI: 0.0

Color Temperature

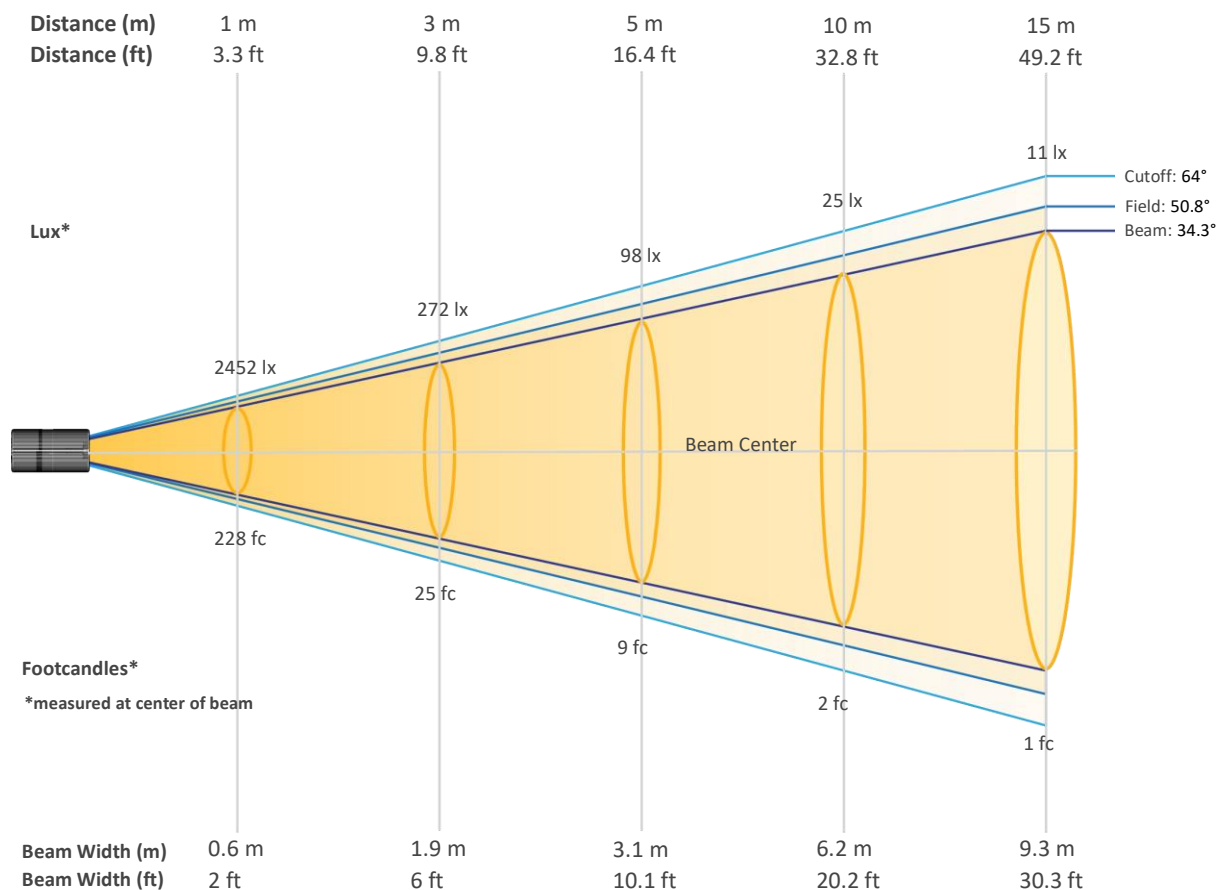
0 K



Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Blue Only

Beam Details

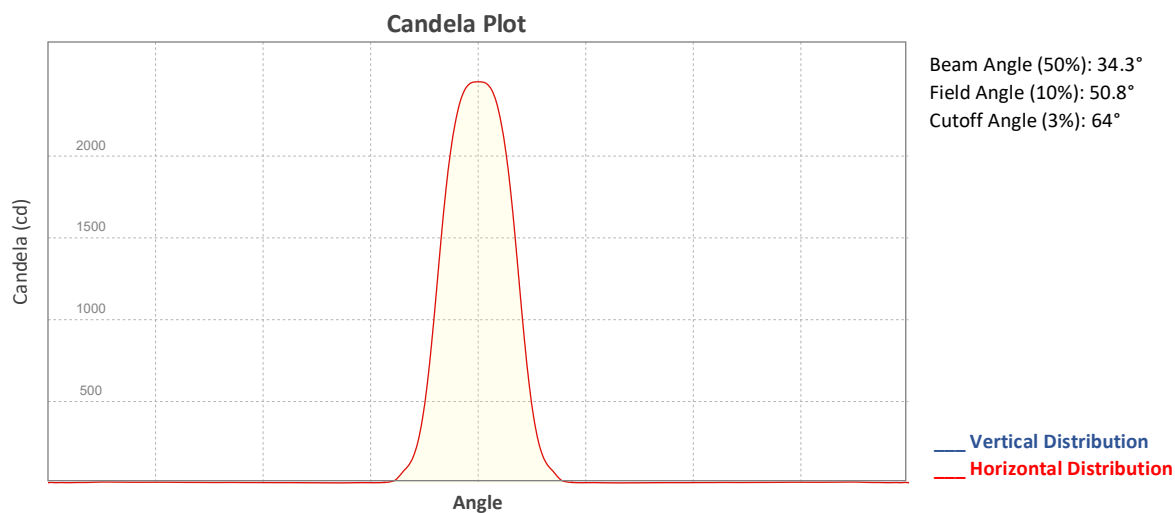


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	2452	613	272	153	98	68	50	38	30	25
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	20	17	15	13	11	10	8	8	7	6
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	228	57	25	14	9	6	5	4	3	2
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2	2	1	1	1	1	1	1	1	1

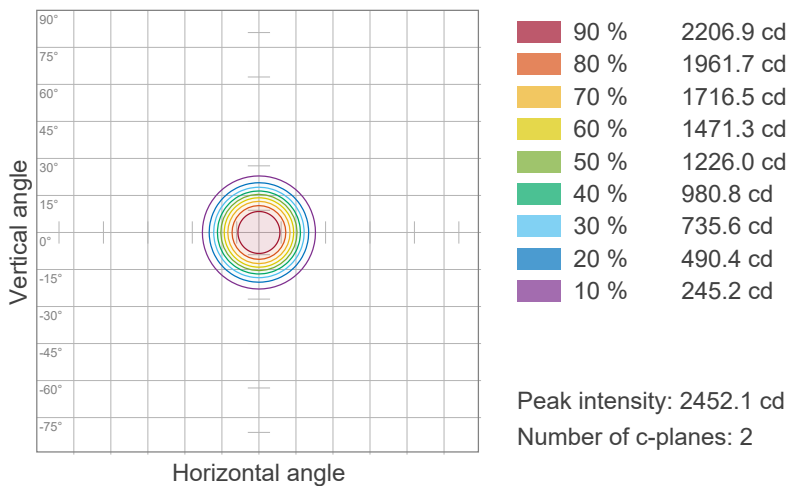
Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Blue Only

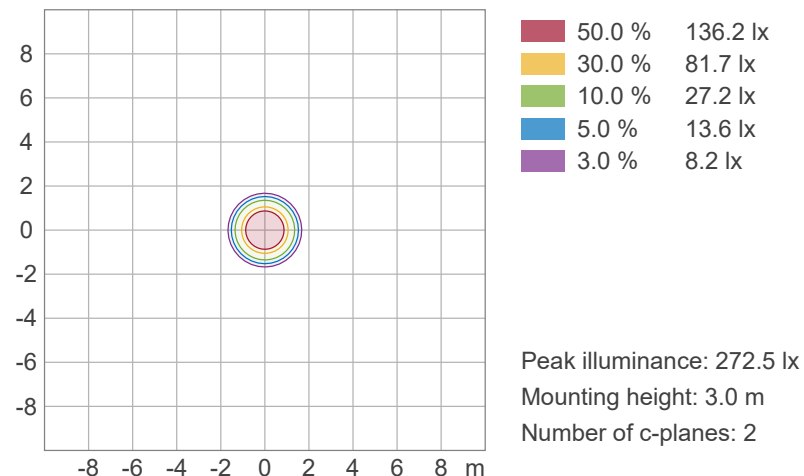


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - Blue Only

TM-30 Details

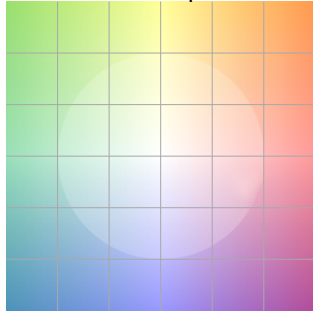
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gamut Index (Rg)

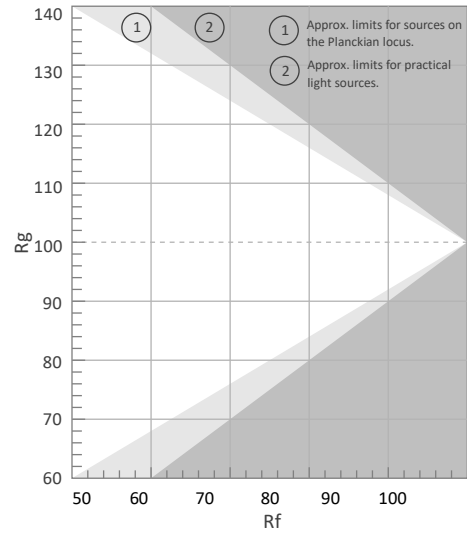
Color Vector Graphic



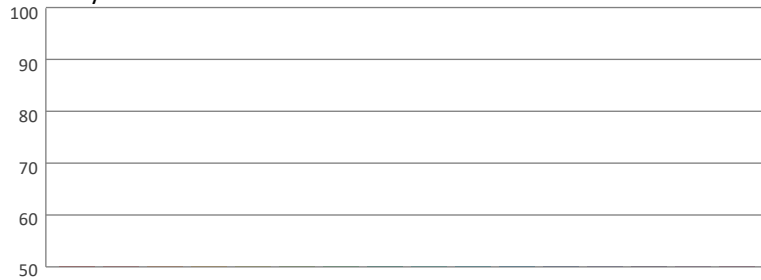
Color Distortion Graphic



		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%	



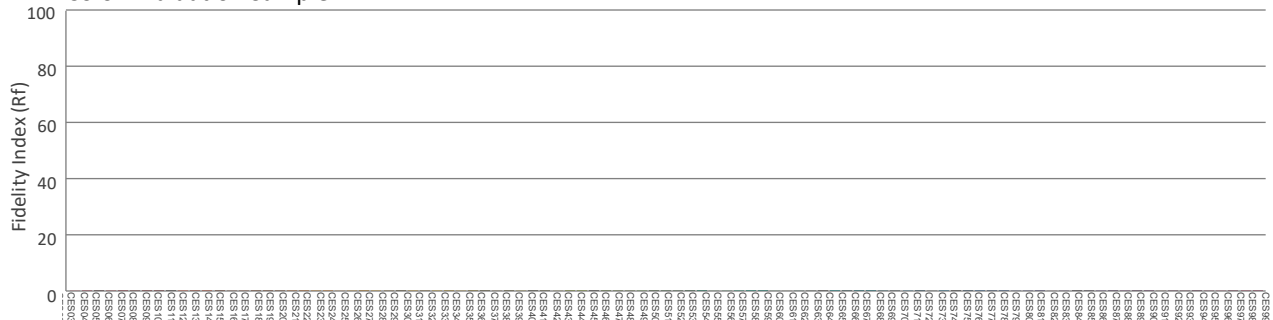
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - White Only

Report Summary

Measurements

Fixture Output: 4357 lm

Fixture Peak: 11825 cd

Fixture Efficacy: 35 lm/W

Intensity @ 5m: 472 lux

Color Temperature: 6671 K

CRI: 69.2 CRI R9 Value: -13.1

CQS: 66.8

TLCI: 45

TM-30 Rf: 66.3

TM-30 Rg: 97.4

Beam Angle (50%): 36.2°

Field Angle (10%): 52°

Cutoff Angle (3%): 64.7°

Conditions

AC Supply: 117 V, 60 Hz

Power: 127.17 W

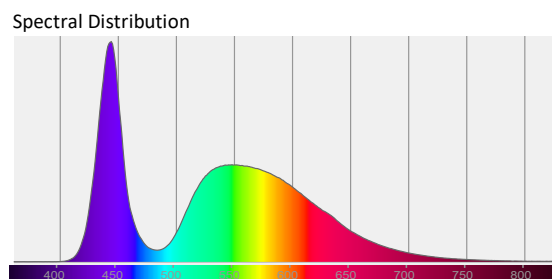
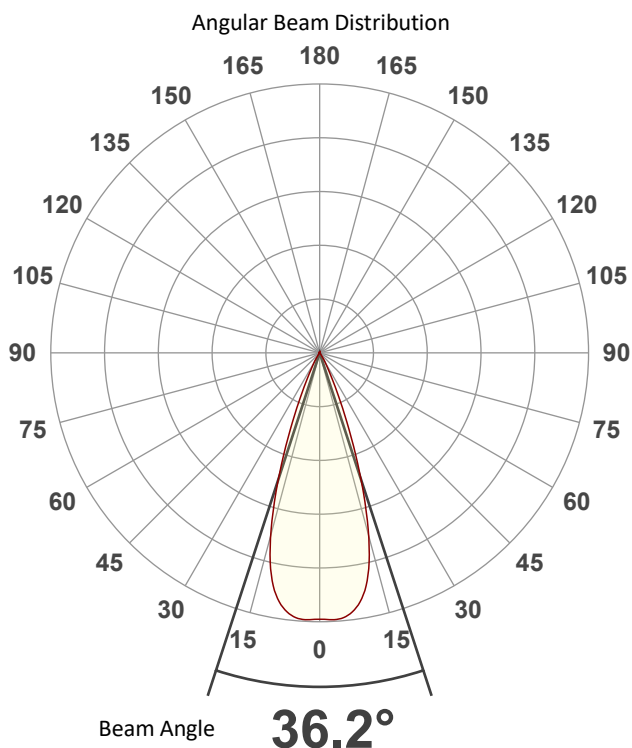
Current: 1.08 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/26/2019 to LM-63-2002 Standards.

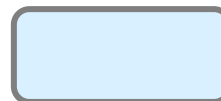
Overall Measurement



Tested Color (CIE 1931):

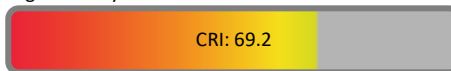
X: 0.312

Y: 0.314



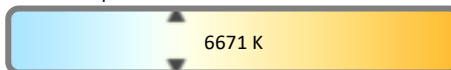
Light Quality

CRI: 69.2



Color Temperature

6671 K



Rogue R2X Wash: Full Flood - White Only

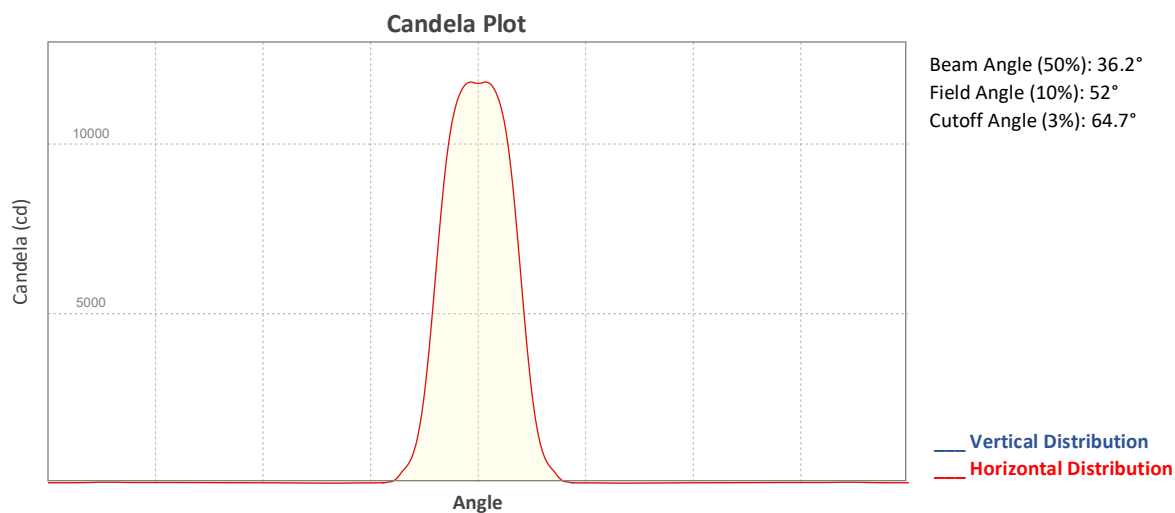
Distance (m)



Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11794	2948	1310	737	472	328	241	184	146	118
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	97	82	70	60	52	46	41	36	33	29
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1096	274	122	68	44	30	22	17	14	11
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	8	6	6	5	4	4	3	3	3

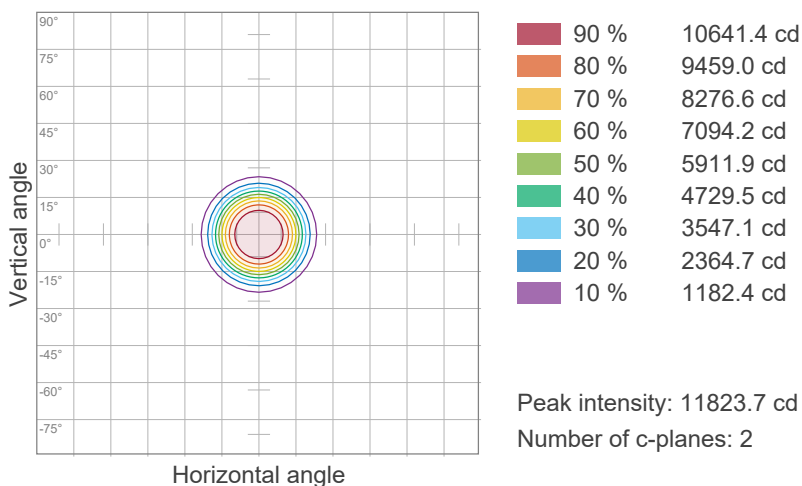
Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - White Only

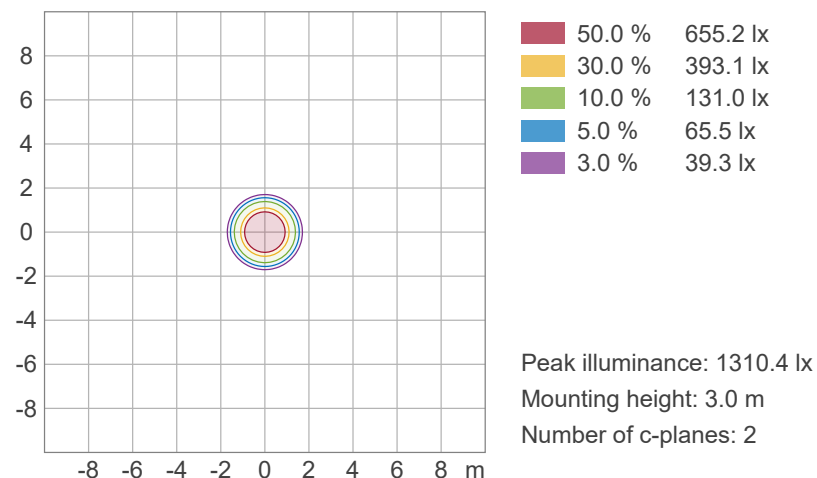


ISO Diagrams

ISO Candela Diagram



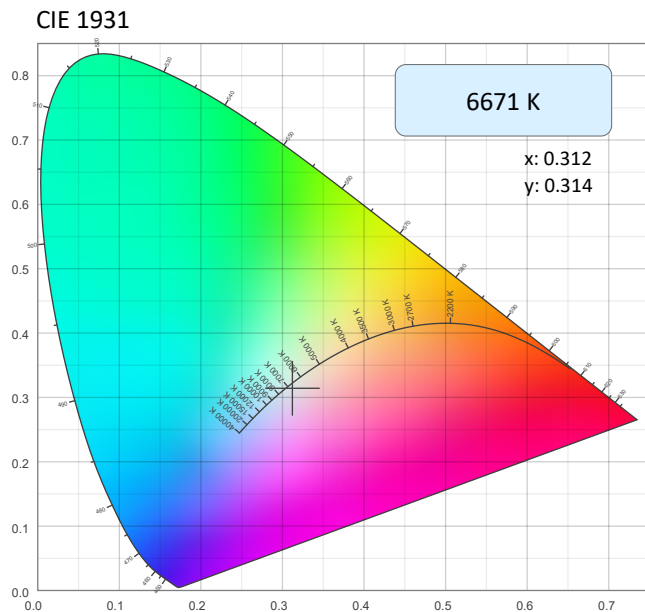
ISO Lux Diagram



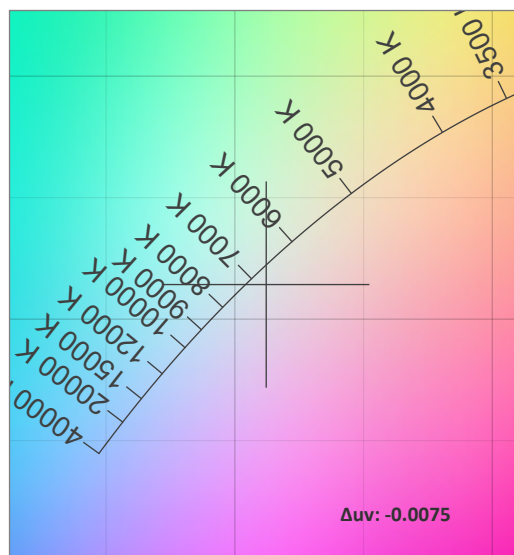
Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - White Only

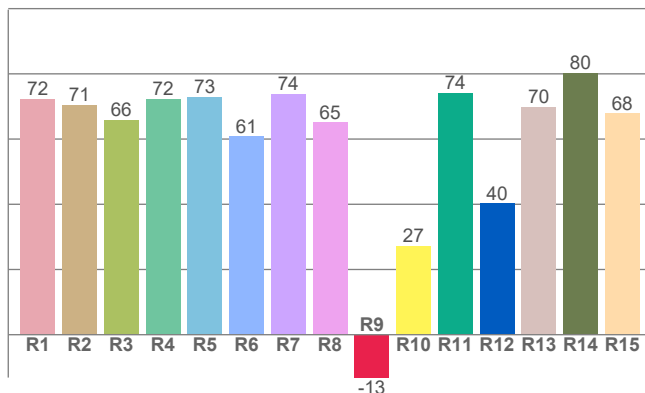
Chromaticity



CIE 1931 - Zoom



CRI: 69.2 (R1-R8)

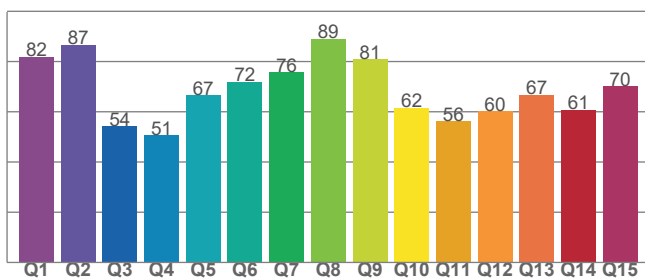


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6671 K	0.312	0.314

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0075	0.314	0.203

CQS: 66.8



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.2	-13.1	66.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
45	66.3	97.4

Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - White Only

TM-30 Details

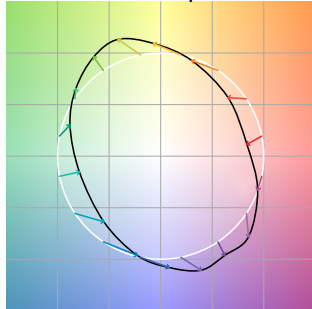
Rf 66.3

Fidelity Index
(Rg)

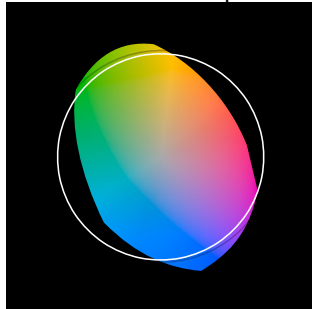
Rg 97.4

Gammut Index (Rg)

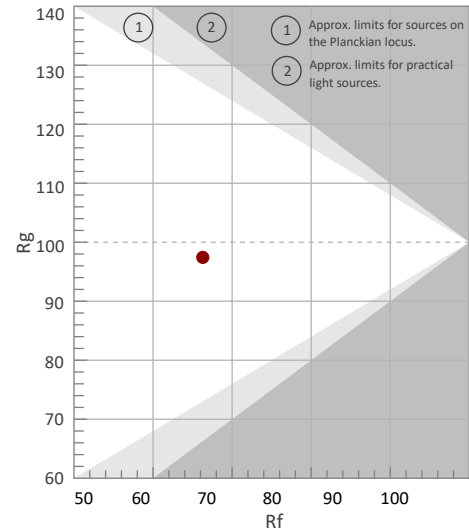
Color Vector Graphic



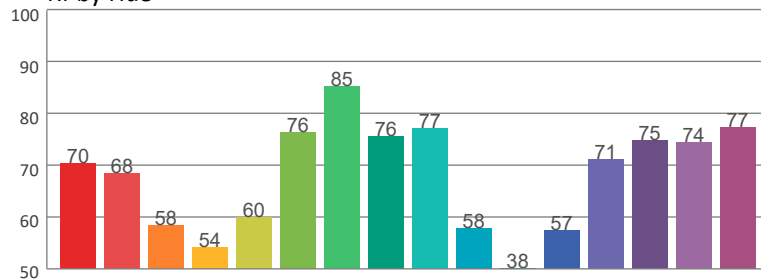
Color Distortion Graphic



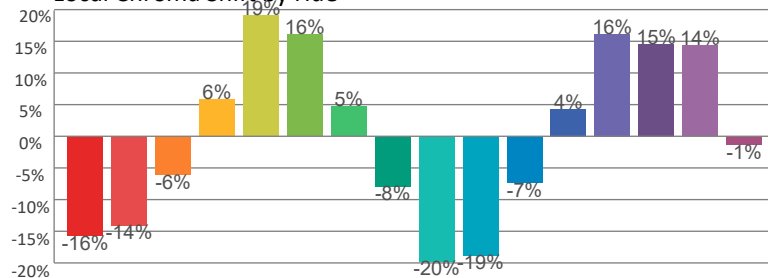
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	70	-16%	-5%
2	68	-14%	11%
3	58	-6%	26%
4	54	6%	28%
5	60	19%	18%
6	76	16%	1%
7	85	5%	-9%
8	76	-8%	-12%
9	77	-20%	0%
10	58	-19%	22%
11	38	-7%	34%
12	57	4%	29%
13	71	16%	17%
14	75	15%	-2%
15	74	14%	-18%
16	77	-1%	-14%



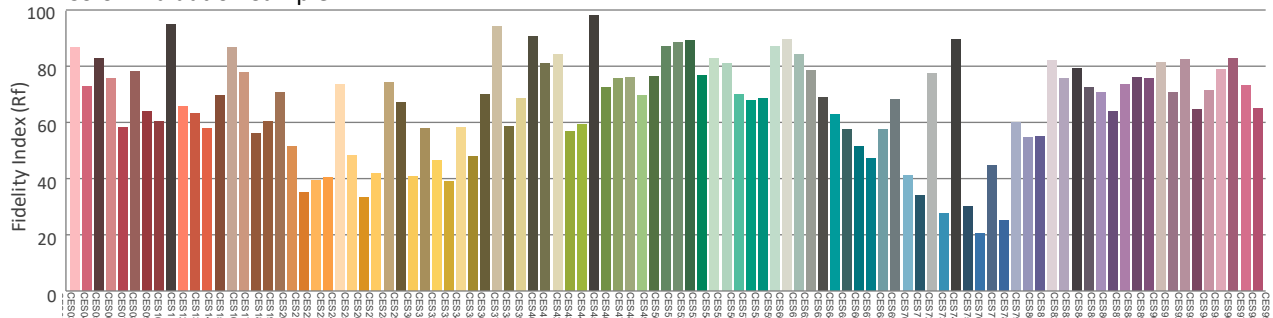
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - 7500K

Report Summary

Measurements

Fixture Output: 5538 lm

Fixture Peak: 15128 cd

Fixture Efficacy: 24 lm/W

Intensity @ 5m: 605 lux

Color Temperature: 7531 K

CRI: 72.8 CRI R9 Value: -37.2

CQS: 84.8

TLCI: 61

TM-30 Rf: 79.3

TM-30 Rg: 116.6

Beam Angle (50%): 36°

Field Angle (10%): 52.5°

Cutoff Angle (3%): 66°



Conditions

AC Supply: 118 V, 60 Hz

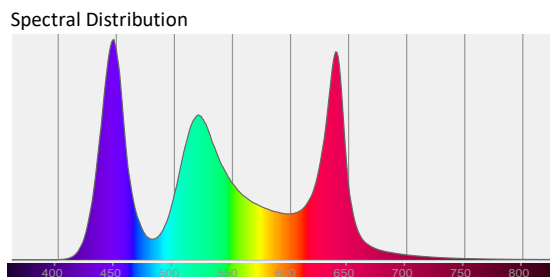
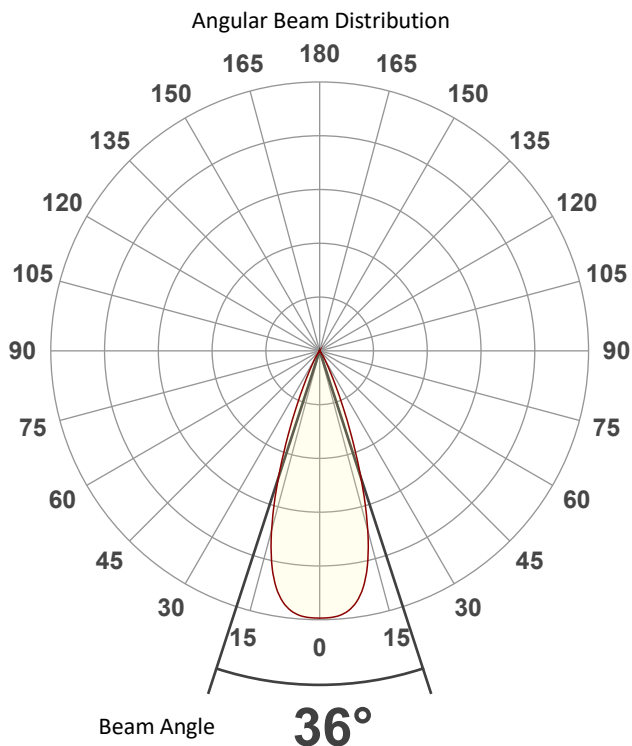
Power: 228.06 W

Current: 1.94 A

Power Factor: 1.0

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 Davie, FL on 8/14/2019 to LM-63-2002 Standards.

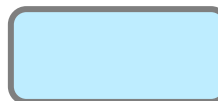
Overall Measurement



Tested Color (CIE 1931):

X: 0.300

Y: 0.311



Light Quality

CRI: 72.8

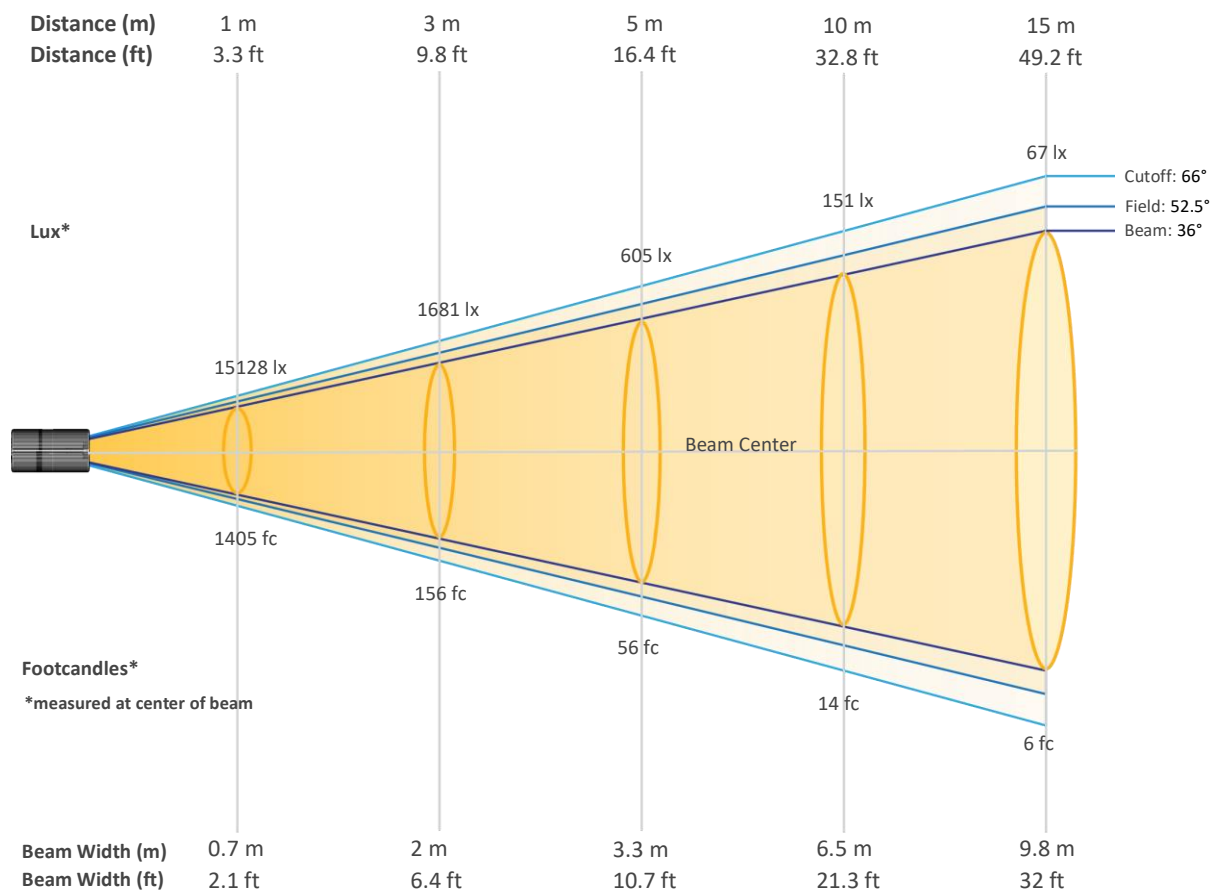
Color Temperature

7531 K

Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - 7500K

Beam Details

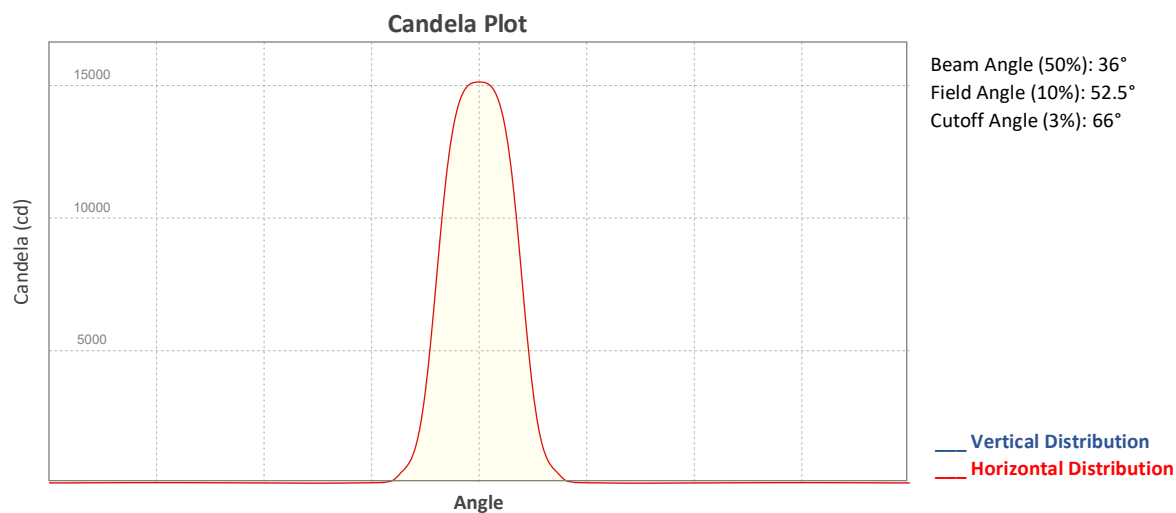


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15128	3782	1681	945	605	420	309	236	187	151
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	125	105	90	77	67	59	52	47	42	38
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1405	351	156	88	56	39	29	22	17	14
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	8	7	6	5	5	4	4	4

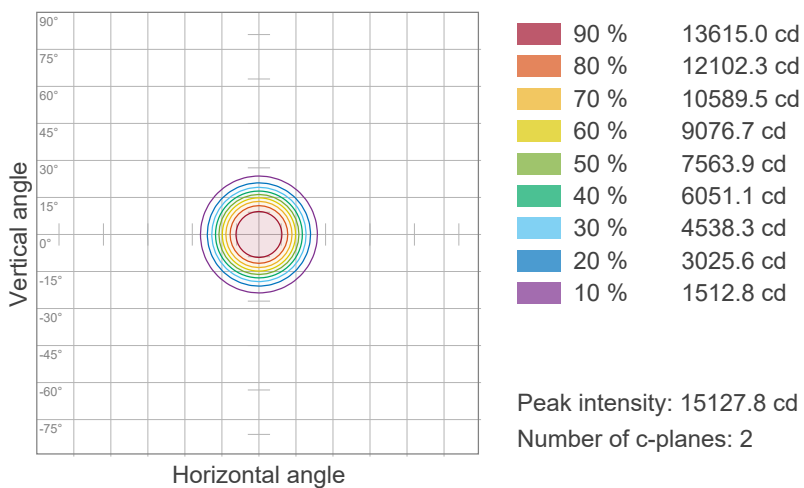
Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - 7500K

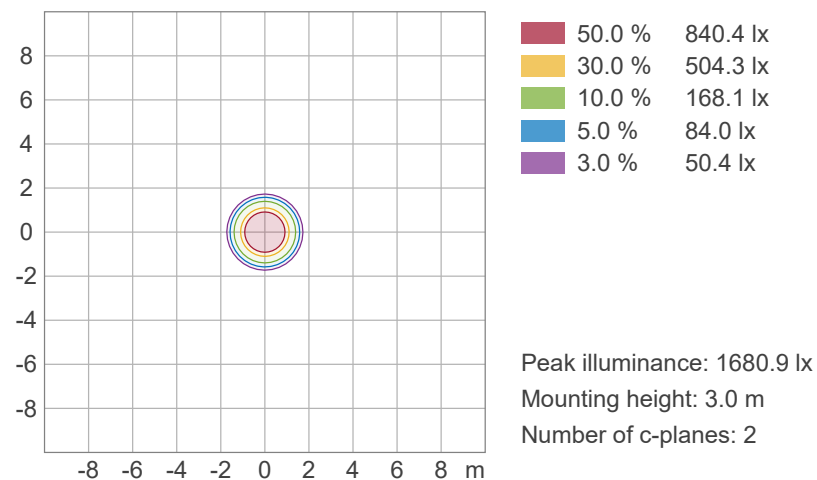


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

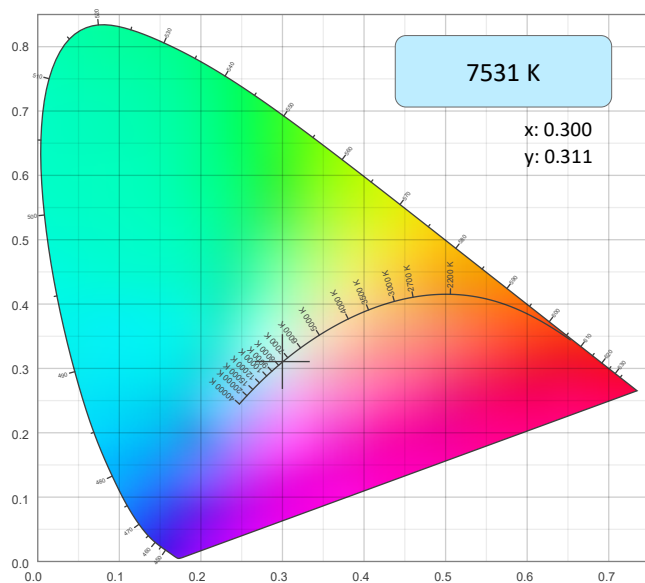


Photometric & Chromaticity Report

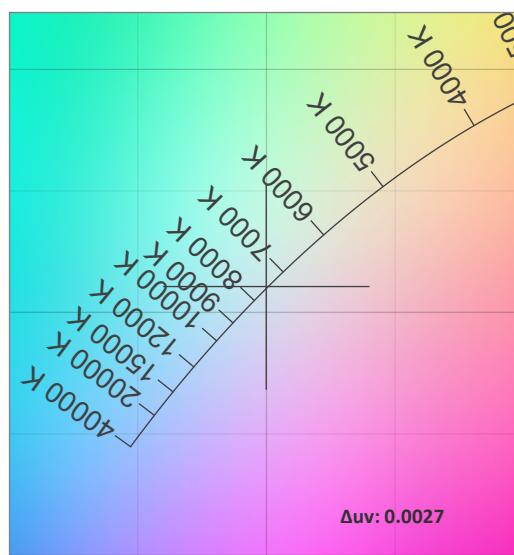
Rogue R2X Wash: Full Flood - 7500K

Chromaticity

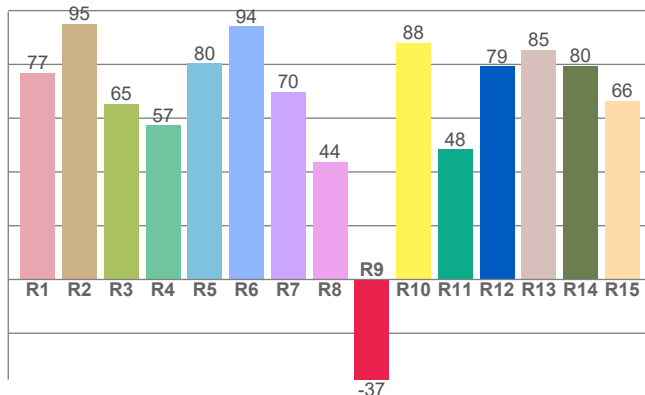
CIE 1931



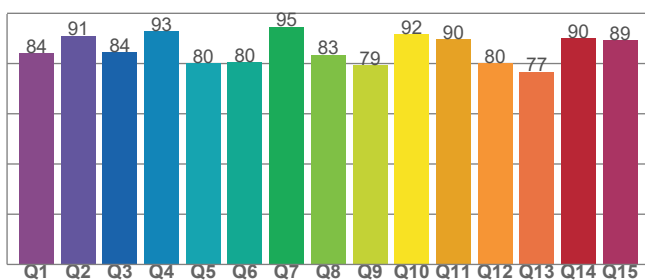
CIE 1931 - Zoom



CRI: 72.8 (R1-R8)



CQS: 84.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7531 K	0.300	0.311

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0027	0.311	0.196

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
72.8	-37.2	84.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
61	79.3	116.6

Photometric & Chromaticity Report

Rogue R2X Wash: Full Flood - 7500K

TM-30 Details

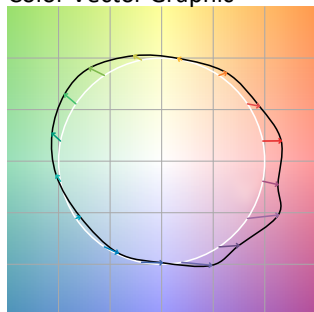
Rf 79.3

Fidelity Index
(Rg)

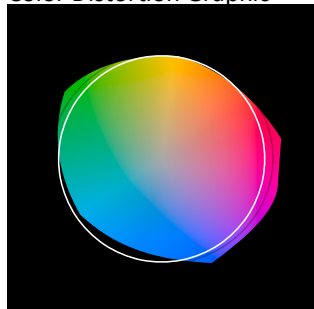
Rg 116.6

Gammut Index (Rg)

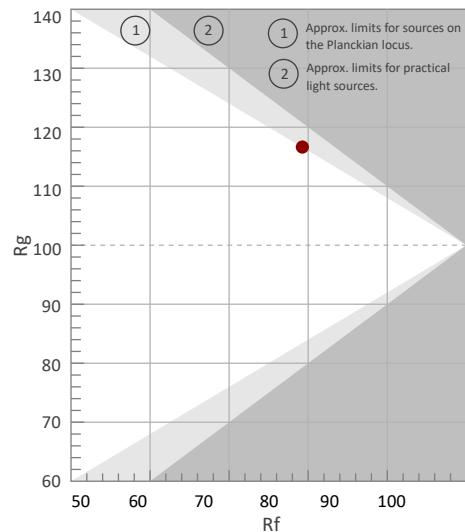
Color Vector Graphic



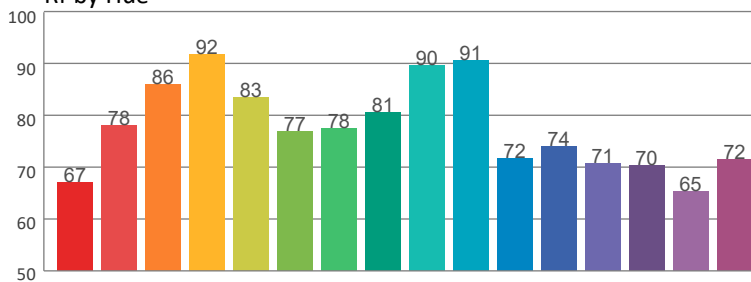
Color Distortion Graphic



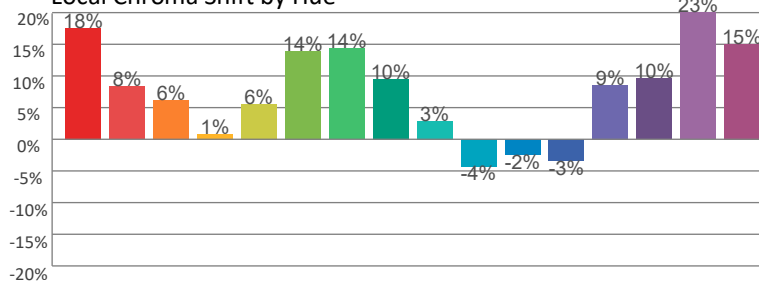
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	67	18%	-3%
2	78	8%	-8%
3	86	6%	-5%
4	92	1%	4%
5	83	6%	7%
6	77	14%	8%
7	78	14%	-2%
8	81	10%	-6%
9	90	3%	-6%
10	91	-4%	1%
11	72	-2%	14%
12	74	-3%	20%
13	71	9%	28%
14	70	10%	17%
15	65	23%	19%
16	72	15%	0%



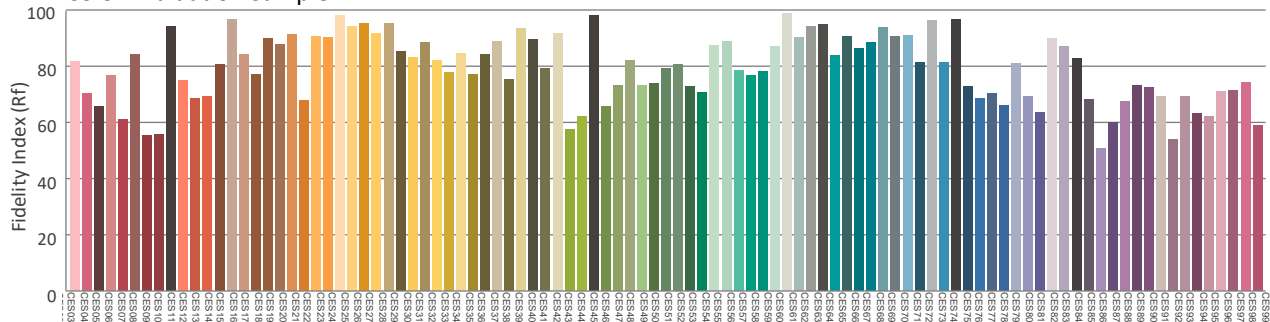
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Full Power

Report Summary

Measurements

Fixture Output: 6083 lm

Fixture Peak: 60466 cd

Fixture Efficacy: 19 lm/W

Intensity @ 5m: 2374 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%): 18.7°

Field Angle (10%): 26.4°

Cutoff Angle (3%): 29.8°

Conditions

AC Supply: 116 V, 60 Hz

Power: 324.13 W

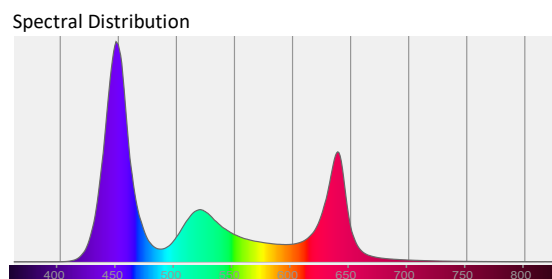
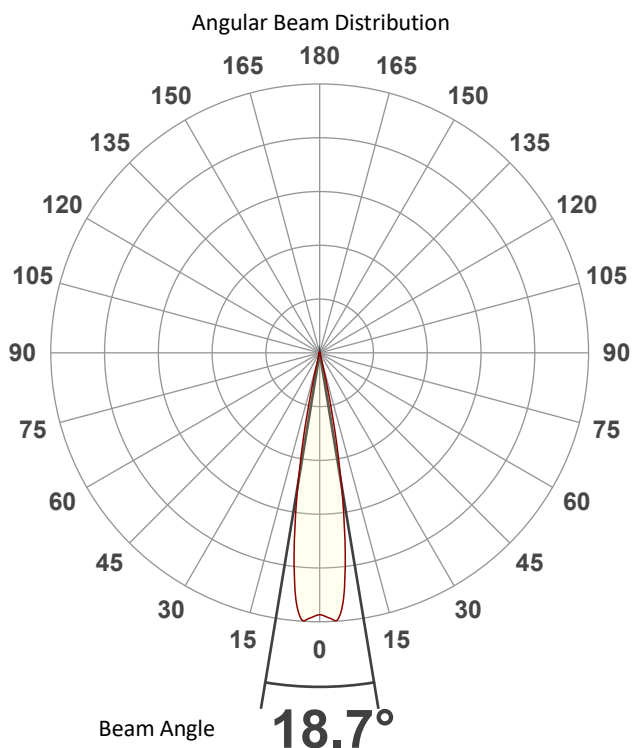
Current: 2.79 A

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 Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.254

Y: 0.192

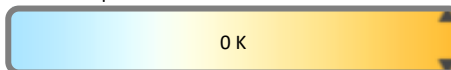


Light Quality

CRI: 0.0

Color Temperature

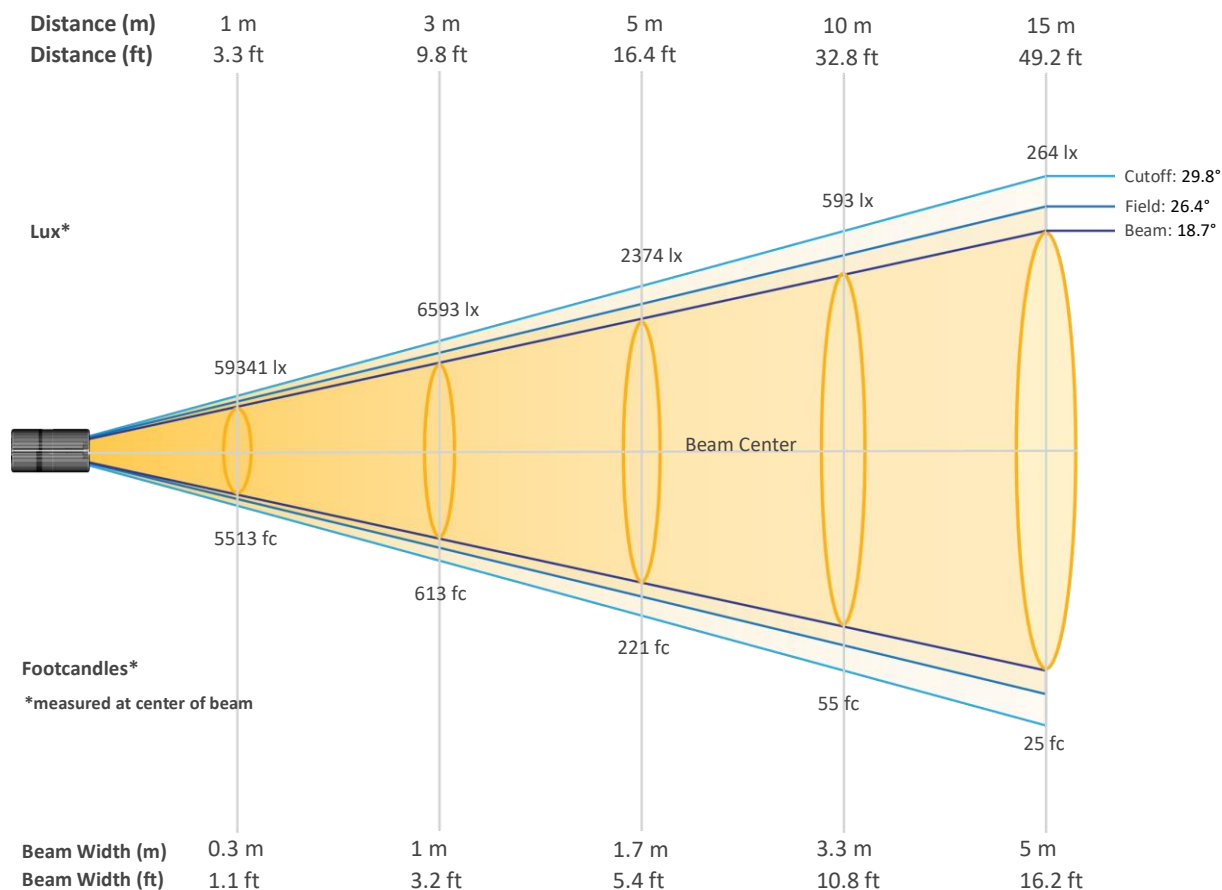
0 K



Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Full Power

Beam Details

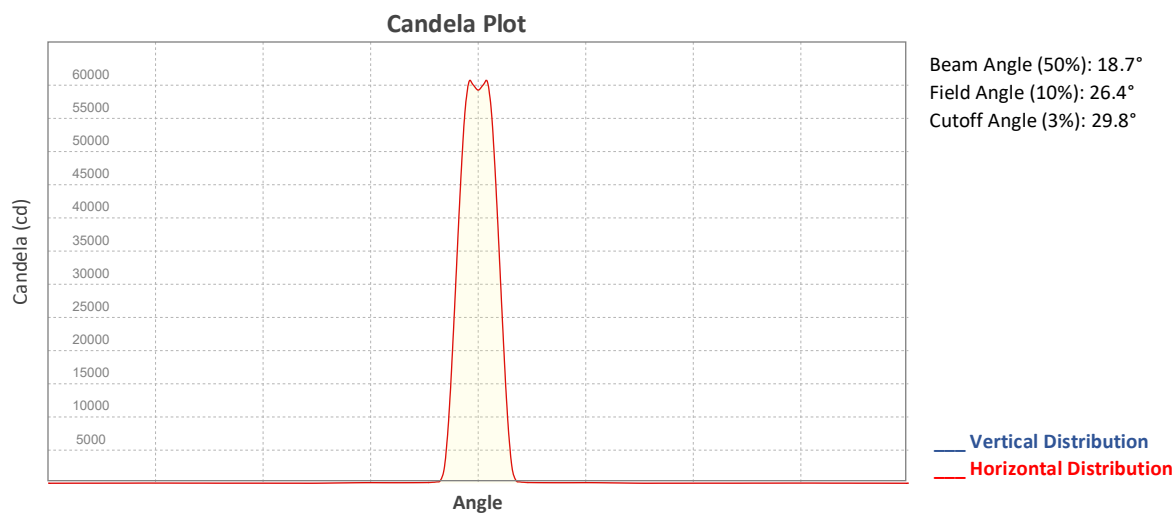


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	59341	14835	6593	3709	2374	1648	1211	927	733	593
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	490	412	351	303	264	232	205	183	164	148
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5513	1378	613	345	221	153	113	86	68	55
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	46	38	33	28	25	22	19	17	15	14

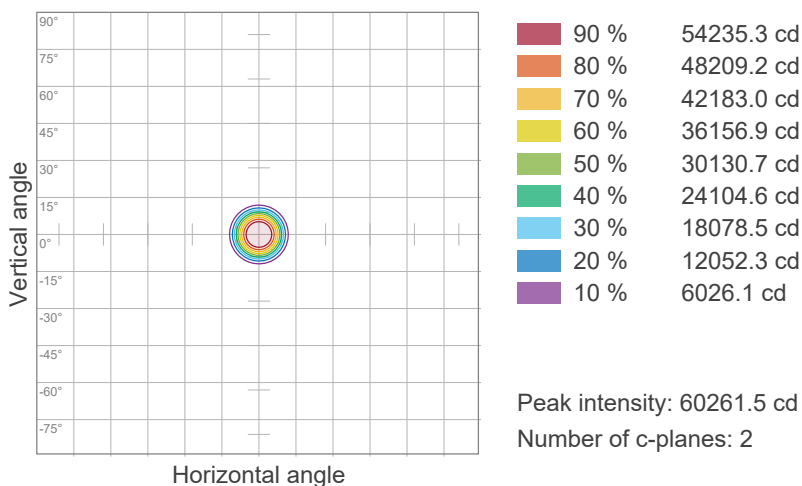
Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Full Power

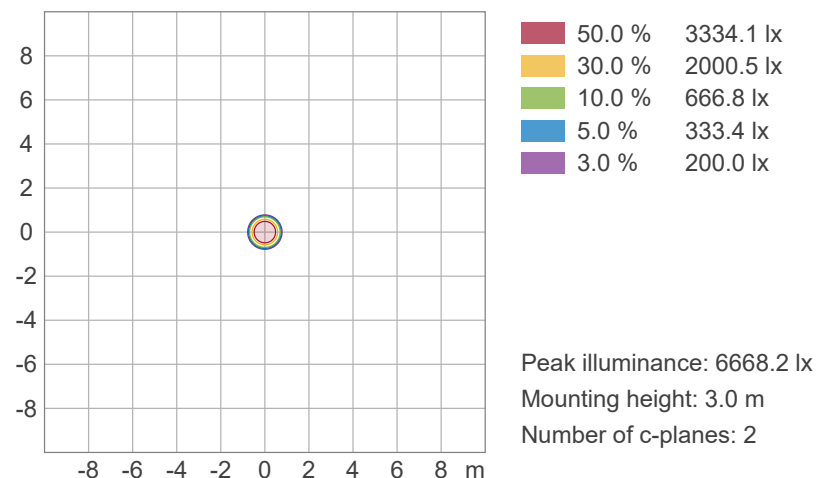


ISO Diagrams

ISO Candela Diagram



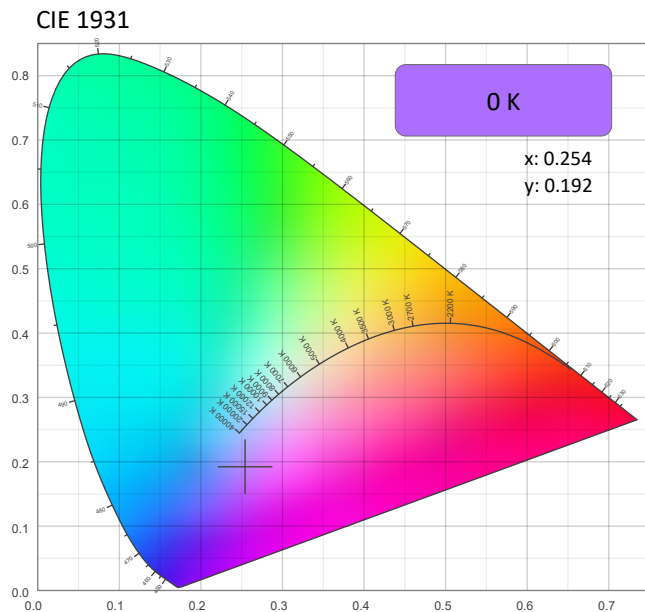
ISO Lux Diagram



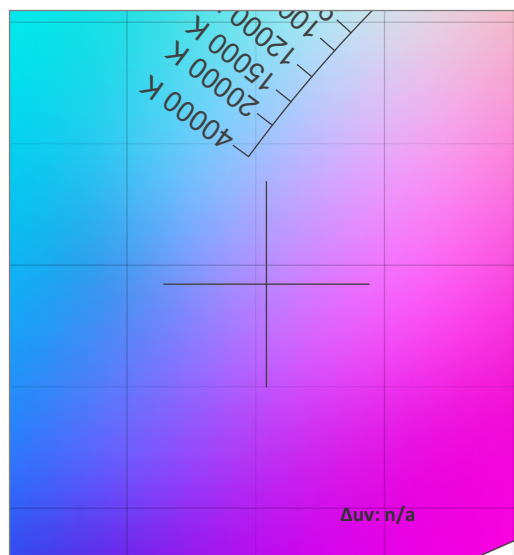
Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Full Power

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

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.254	0.192

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.192	0.212

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

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

Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Full Power

TM-30 Details

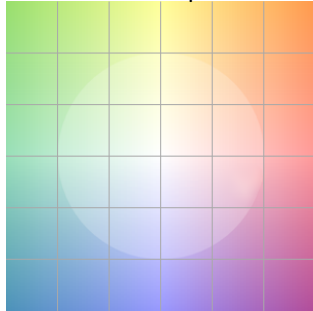
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index (Rg)

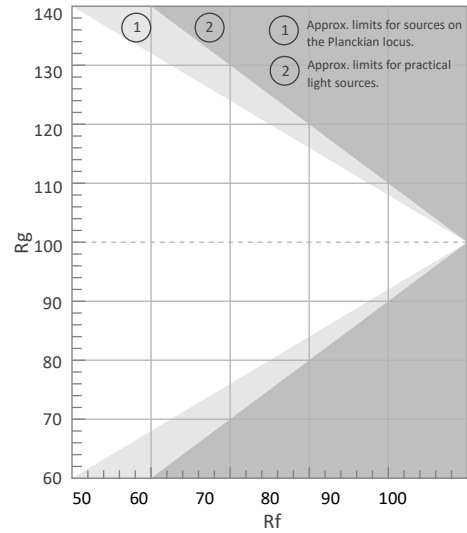
Color Vector Graphic



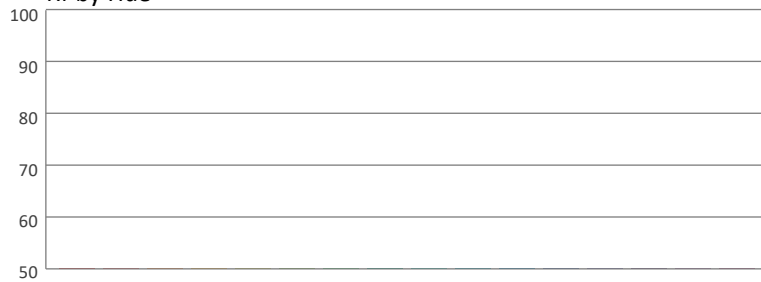
Color Distortion Graphic



		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%	



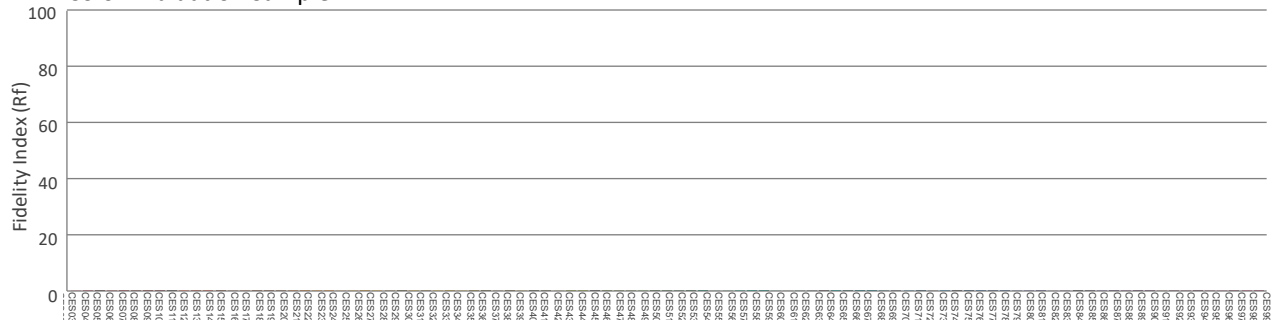
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Red Only

Report Summary

Measurements

Fixture Output: 1549 lm

Fixture Peak: 15100 cd

Fixture Efficacy: 14 lm/W

Intensity @ 5m: 600 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%): 18.7°

Field Angle (10%): 26.4°

Cutoff Angle (3%): 29.9°

Conditions

AC Supply: 118 V, 60 Hz

Power: 114.37 W

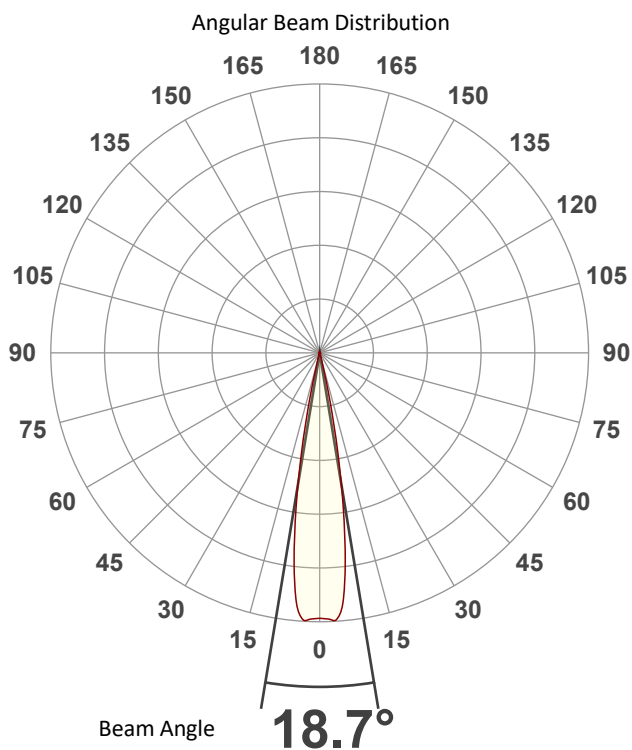
Current: 0.969 A

Power Factor: 0.99

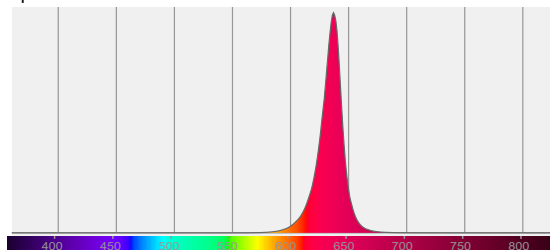


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Spectral Distribution



Tested Color (CIE 1931):

X: 0.701

Y: 0.298



Light Quality

CRI: 0.0

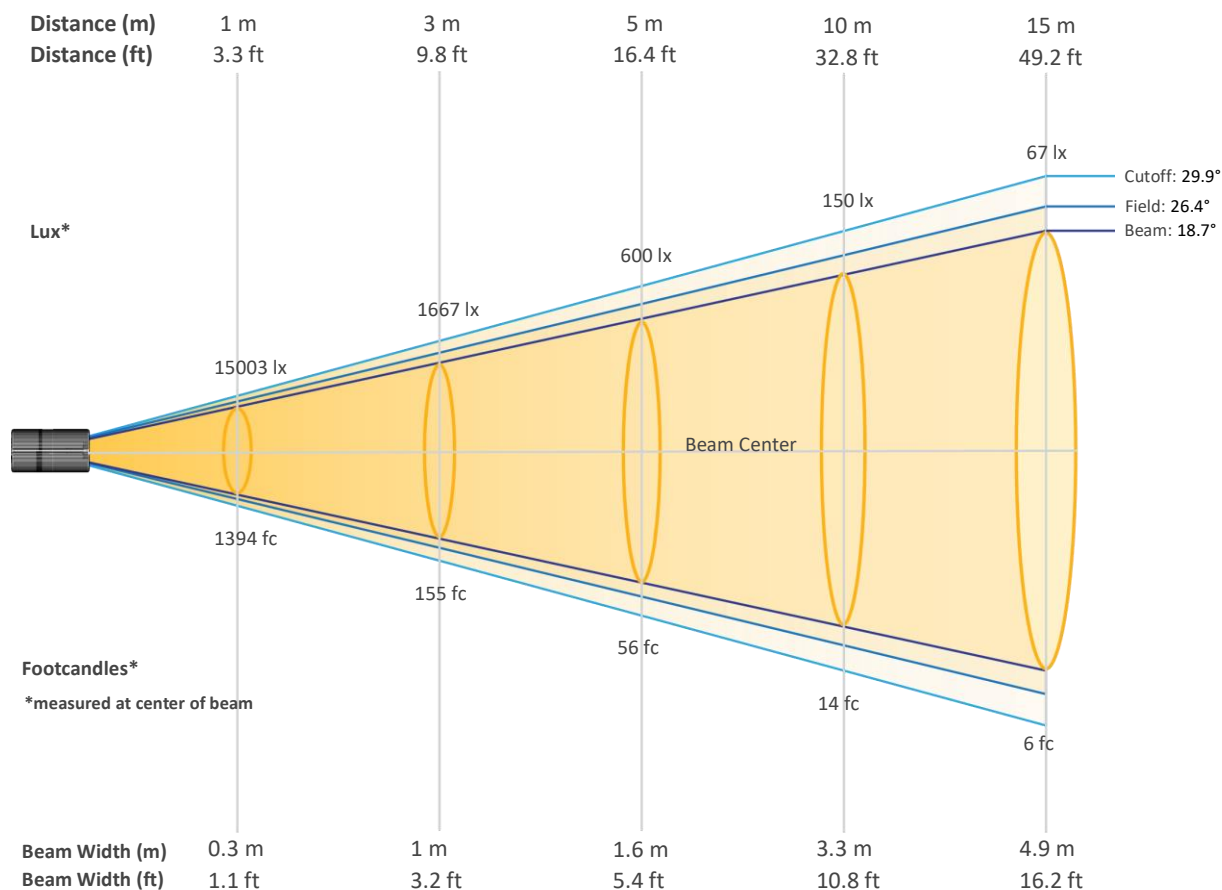
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Red Only

Beam Details

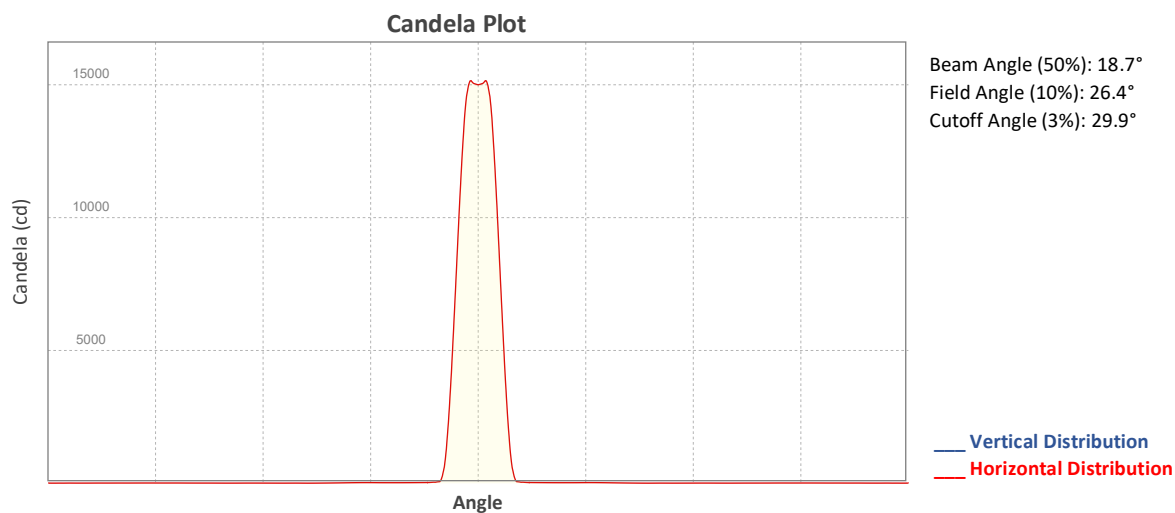


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15003	3751	1667	938	600	417	306	234	185	150
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	124	104	89	77	67	59	52	46	42	38
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1394	348	155	87	56	39	28	22	17	14
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	8	7	6	5	5	4	4	3

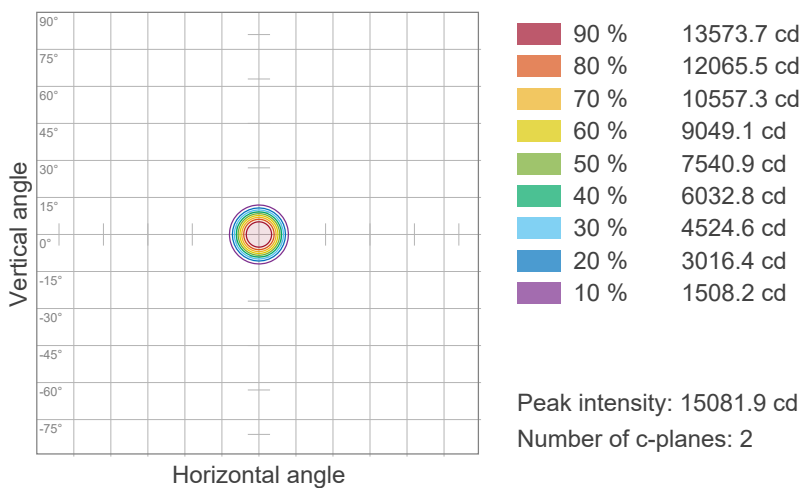
Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Red Only

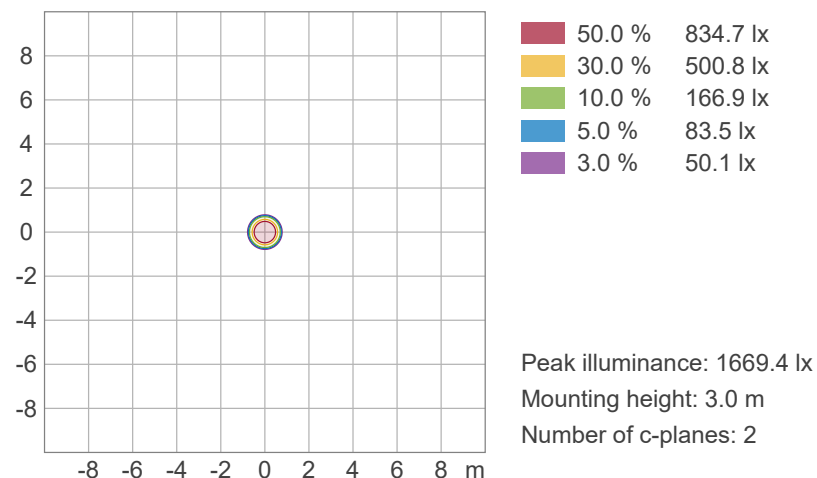


ISO Diagrams

ISO Candela Diagram



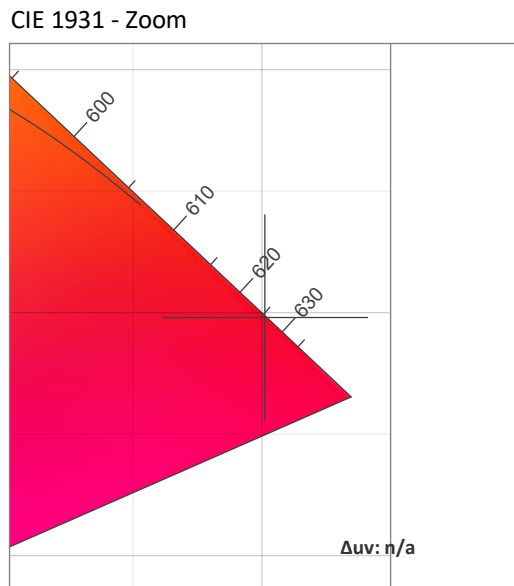
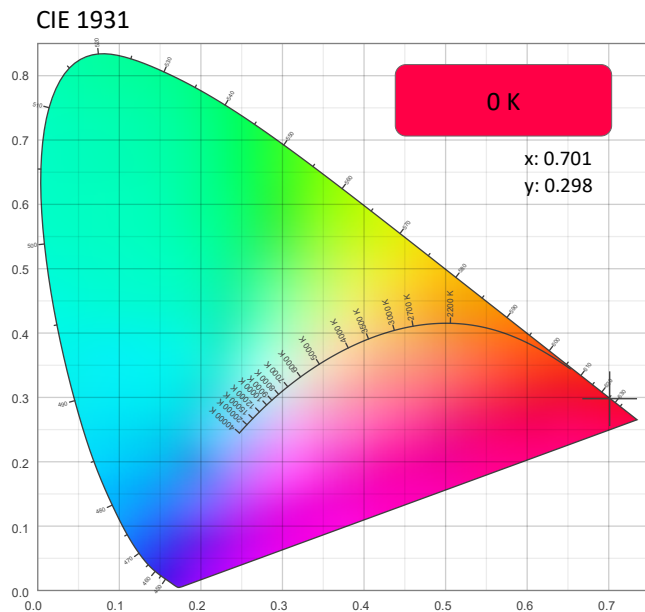
ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Red 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

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.701	0.298

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.298	0.542

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

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

Photometric & Chromaticity Report

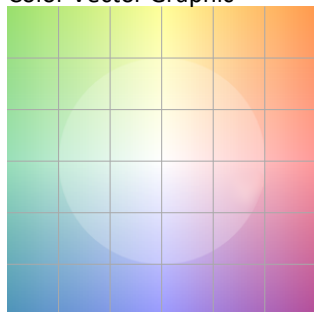
Rogue R2X Wash: 50% Zoom - Red Only

TM-30 Details

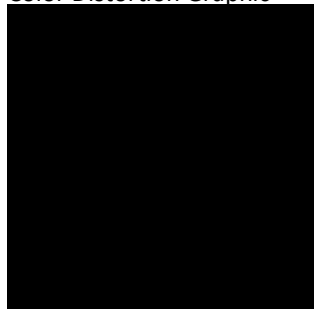
Rf 0.0
Fidelity Index
(Rg)

Rg 0.0
Gammut Index (Rg)

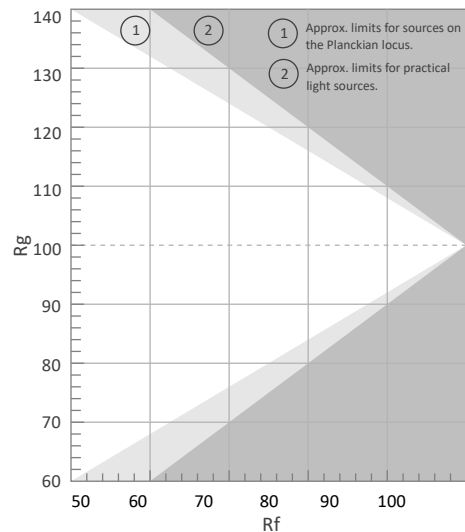
Color Vector Graphic



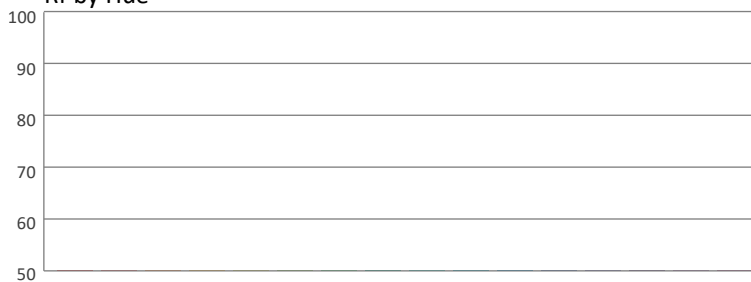
Color Distortion Graphic



		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

Rogue R2X Wash: 50% Zoom - Green Only

Report Summary

Measurements

Fixture Output: 2823 lm

Fixture Peak: 28626 cd

Fixture Efficacy: 20 lm/W

Intensity @ 5m: 1130 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%): 18.5°

Field Angle (10%): 26.1°

Cutoff Angle (3%): 29.3°

Conditions

AC Supply: 118 V, 60 Hz

Power: 141.48 W

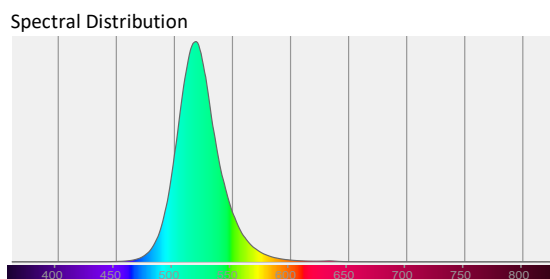
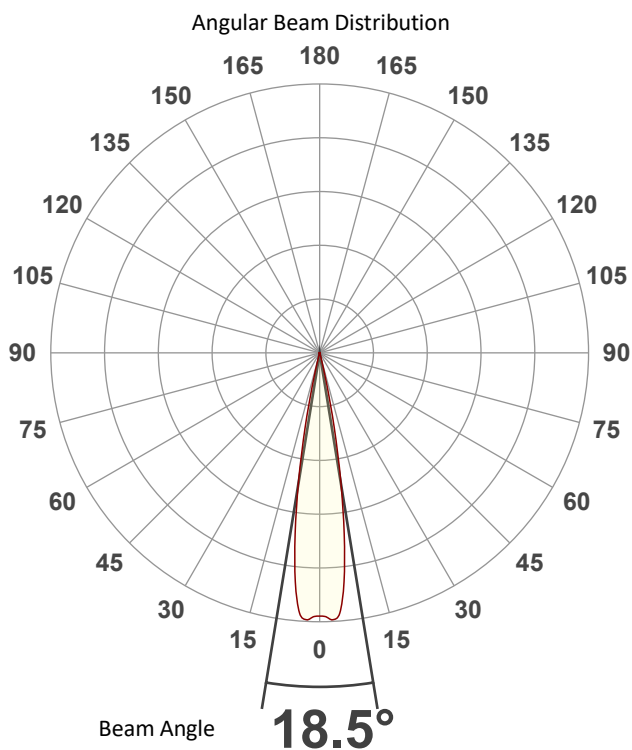
Current: 1.20 A

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 Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.153

Y: 0.708



Light Quality

CRI: 0.0

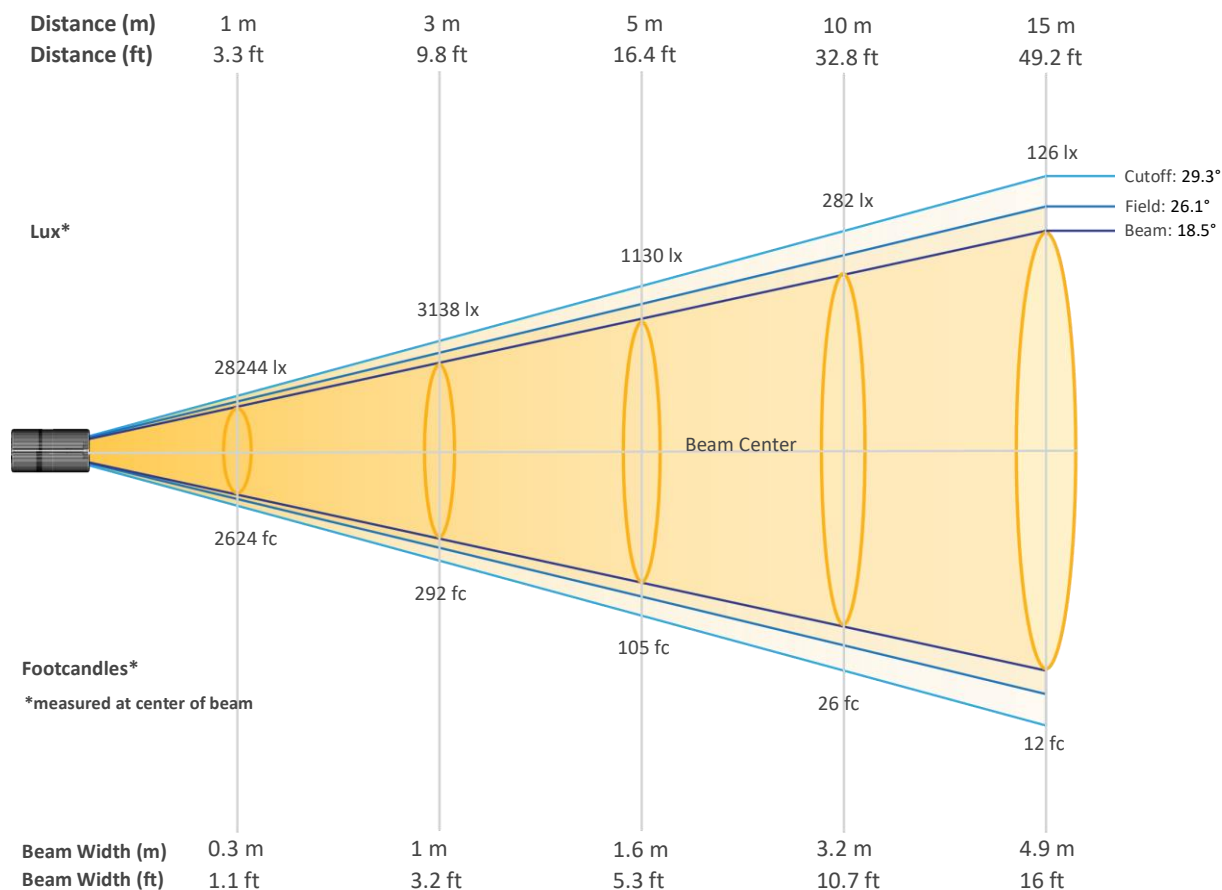
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Green Only

Beam Details

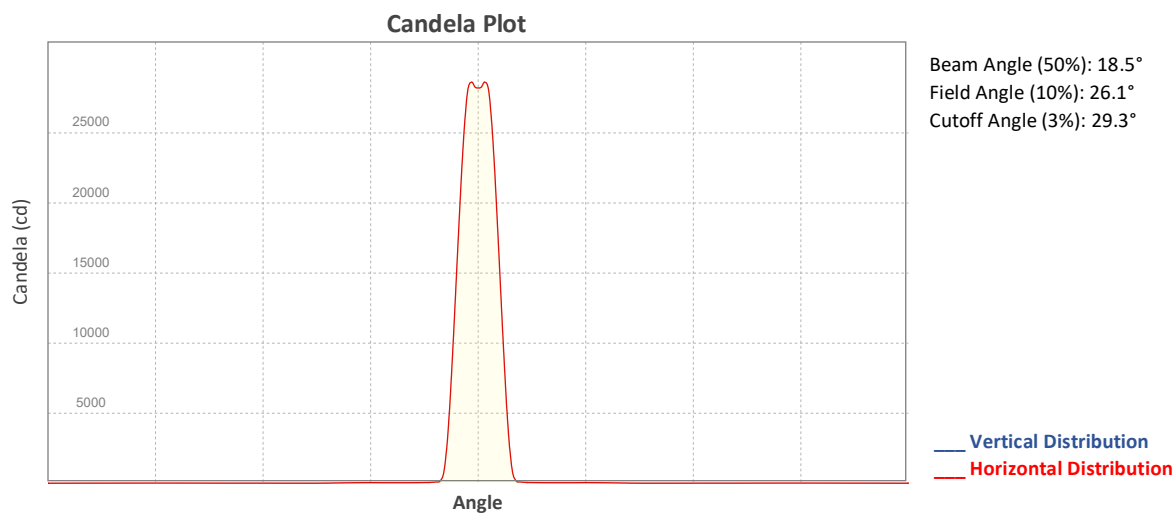


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	28244	7061	3138	1765	1130	785	576	441	349	282
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	233	196	167	144	126	110	98	87	78	71
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2624	656	292	164	105	73	54	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	16	13	12	10	9	8	7	7

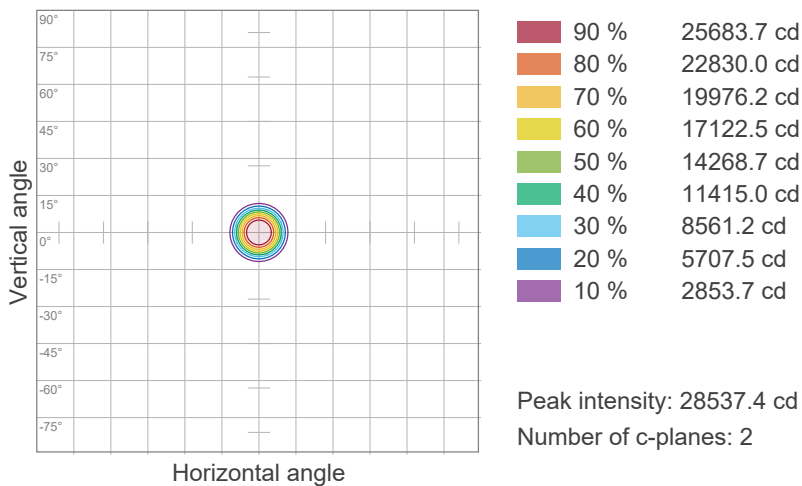
Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Green Only

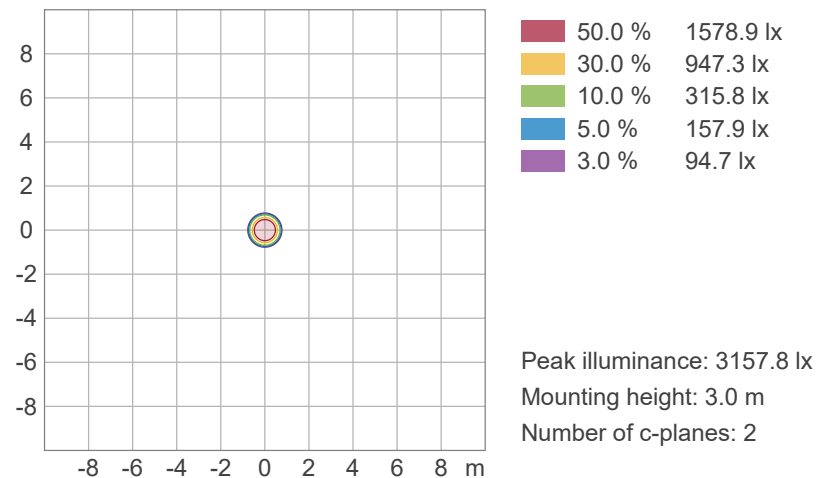


ISO Diagrams

ISO Candela Diagram



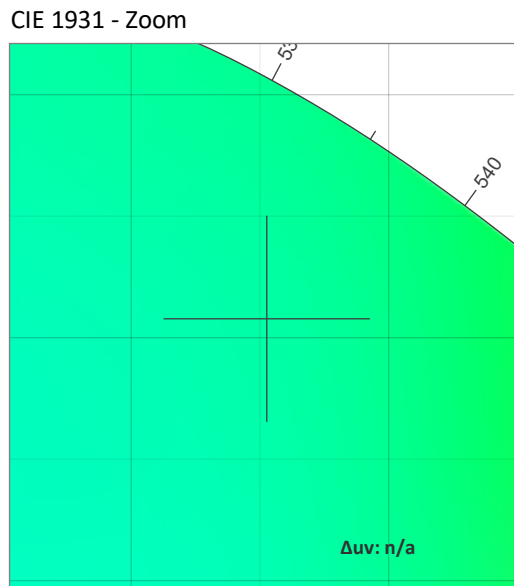
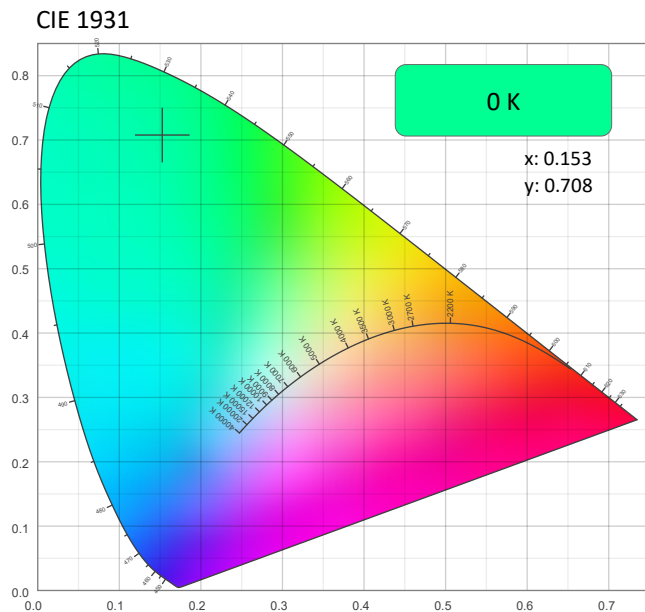
ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - 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

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.153	0.708

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.708	0.055

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

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

Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Green Only

TM-30 Details

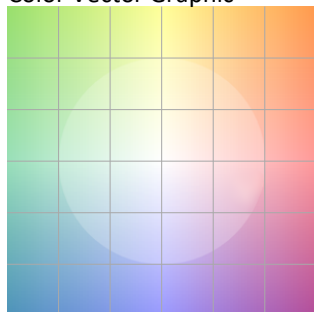
Rf 0.0

Fidelity Index
(Rg)

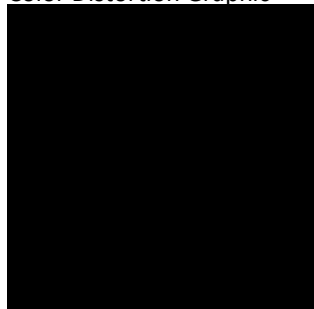
Rg 0.0

Gammut Index (Rg)

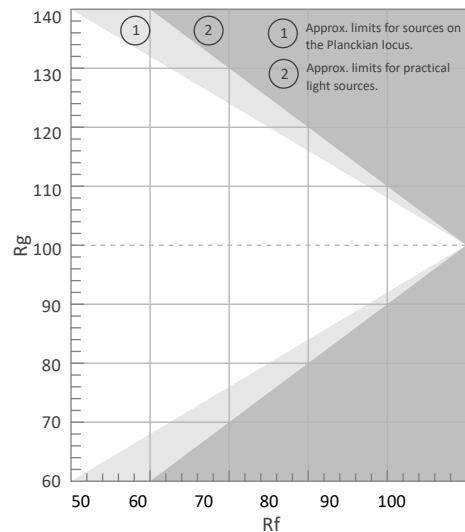
Color Vector Graphic



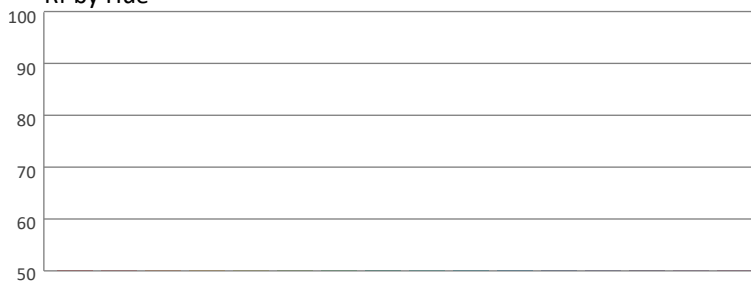
Color Distortion Graphic



		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

Rogue R2X Wash: 50% Zoom - Blue Only

Report Summary

Measurements

Fixture Output: 817 lm

Fixture Peak: 8365 cd

Fixture Efficacy: 6 lm/W

Intensity @ 5m: 331 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°

Field Angle (10%): 25.7°

Cutoff Angle (3%): 28.8°

Conditions

AC Supply: 118 V, 60.1 Hz

Power: 128.7 W

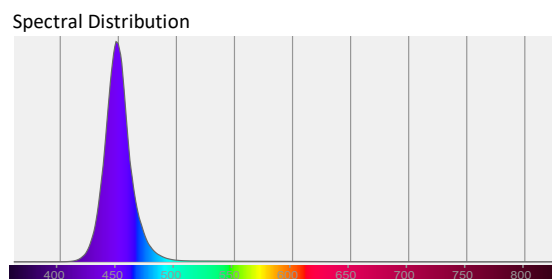
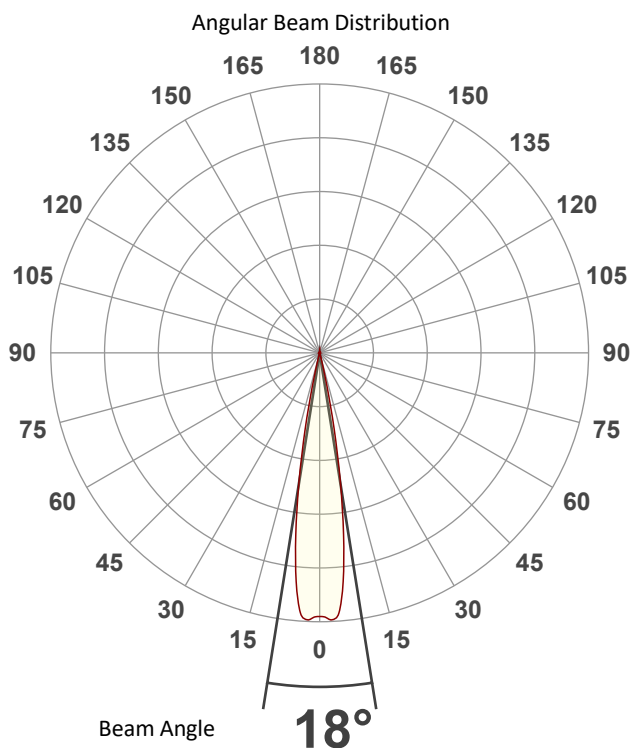
Current: 1.09 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/26/2019 to LM-63-2002 Standards.

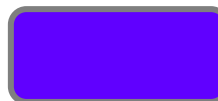
Overall Measurement



Tested Color (CIE 1931):

X: 0.156

Y: 0.027

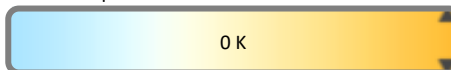


Light Quality

CRI: 0.0

Color Temperature

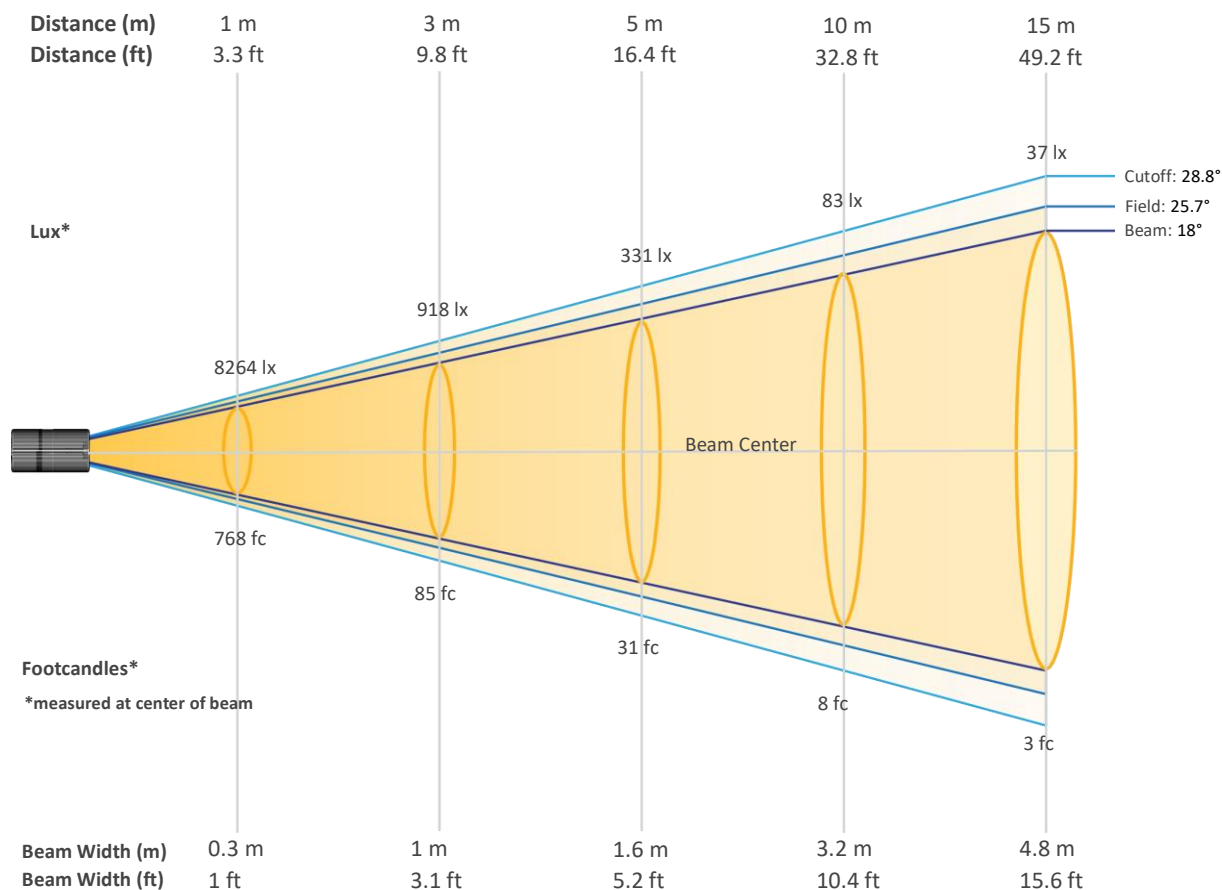
0 K



Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Blue Only

Beam Details

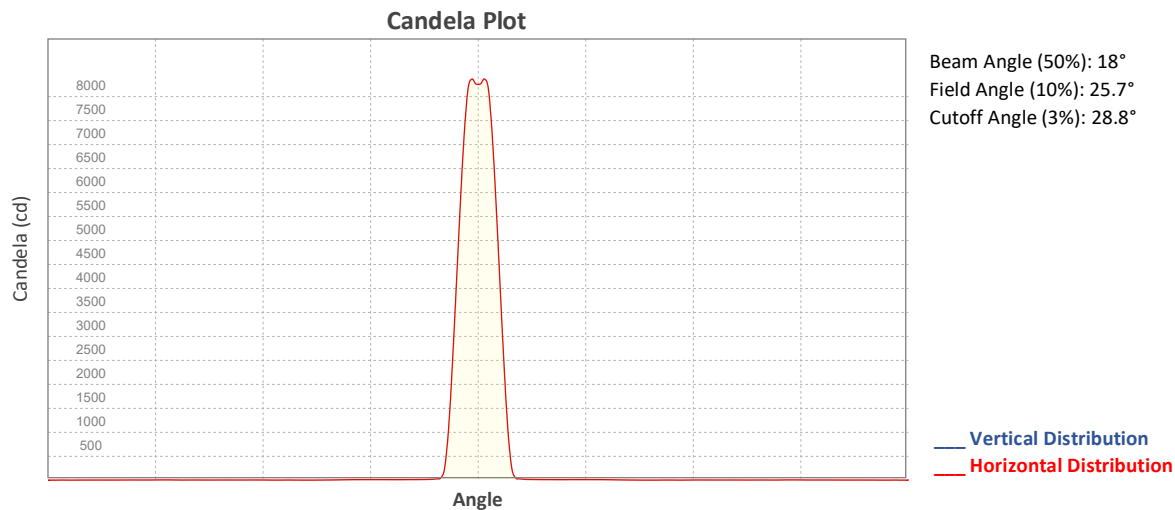


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	8264	2066	918	517	331	230	169	129	102	83
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	68	57	49	42	37	32	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	768	192	85	48	31	21	16	12	9	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

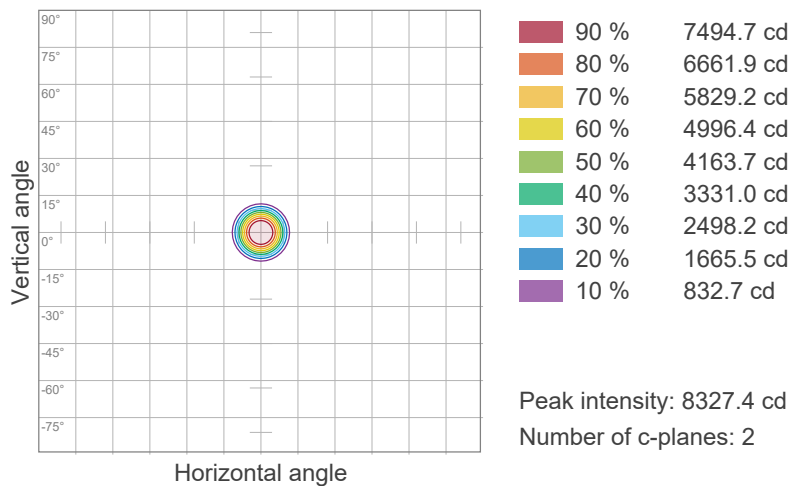
Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Blue Only

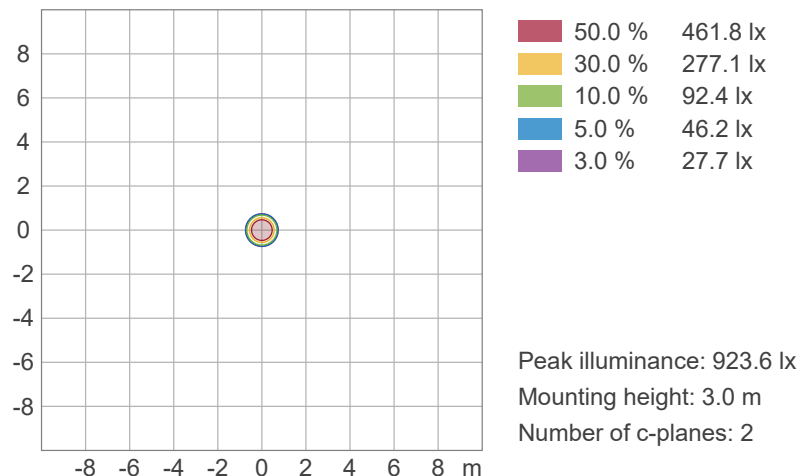


ISO Diagrams

ISO Candela Diagram



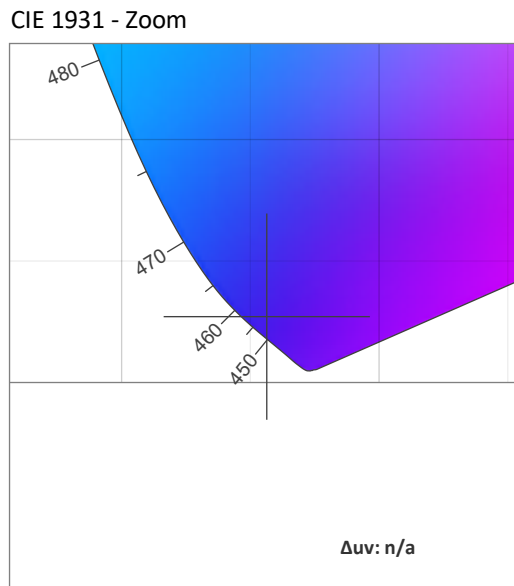
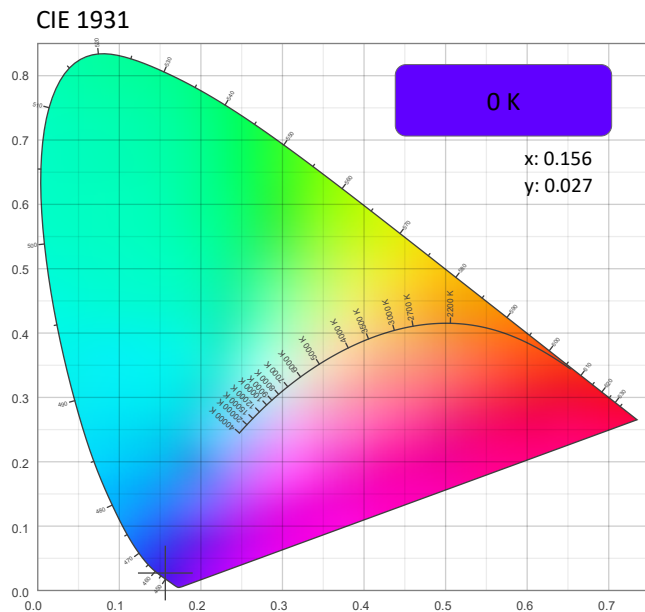
ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: 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

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.156	0.027

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.027	0.208

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

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

Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - Blue Only

TM-30 Details

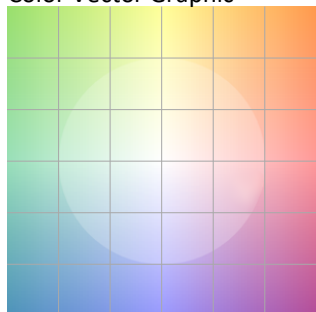
Rf 0.0

Fidelity Index
(Rg)

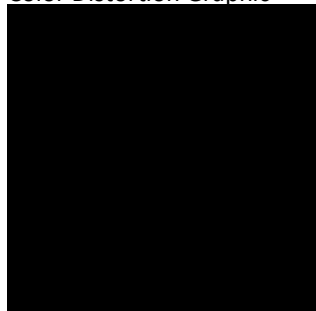
Rg 0.0

Gammut Index (Rg)

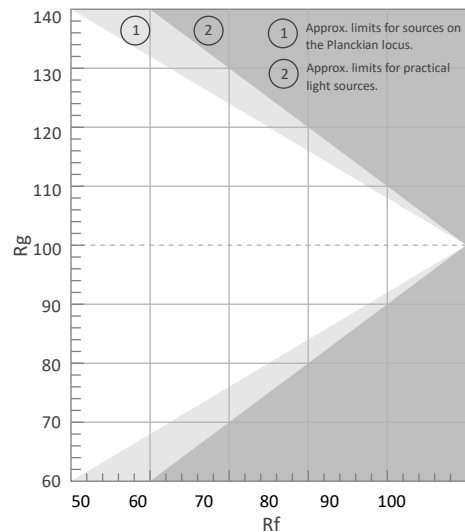
Color Vector Graphic



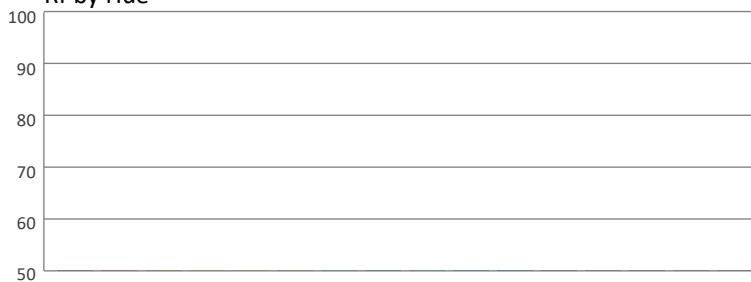
Color Distortion Graphic



		Graphic shifts (%)		
Hue Bin	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

Rogue R2X Wash: 50% Zoom - White Only

Report Summary

Measurements

Fixture Output: 4139 lm

Fixture Peak: 40560 cd

Fixture Efficacy: 33 lm/W

Intensity @ 5m: 1570 lux

Color Temperature: 6648 K

CRI: 69.3 CRI R9 Value: -13.1

CQS: 66.9

TLCI: 45

TM-30 Rf: 66.4

TM-30 Rg: 97.4

Beam Angle (50%): 19°

Field Angle (10%): 26.4°

Cutoff Angle (3%): 29.7°

Conditions

AC Supply: 118 V, 60 Hz

Power: 126.61 W

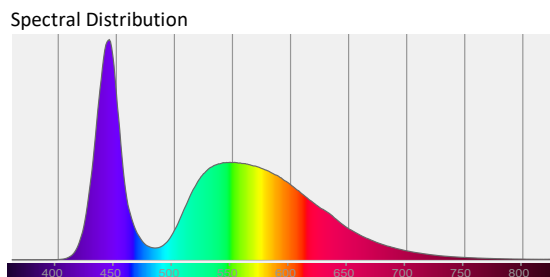
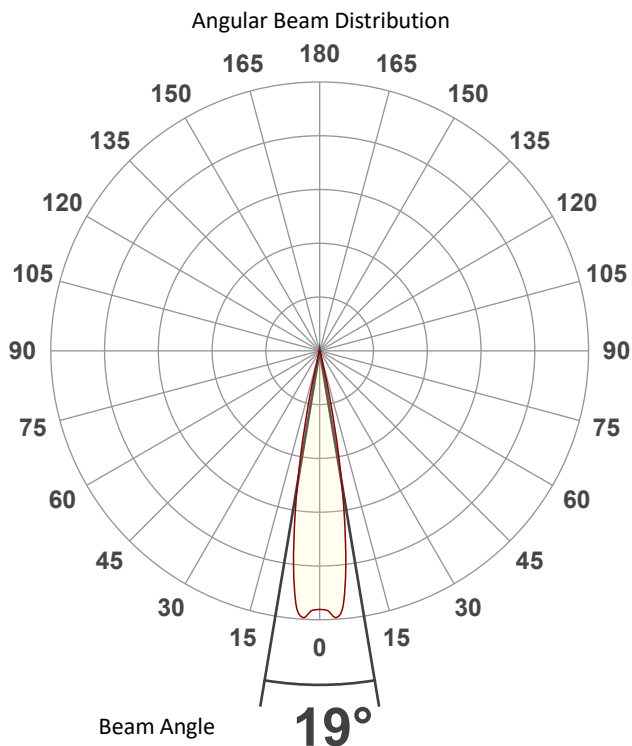
Current: 1.07 A

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 Davie, FL on 7/26/2019 to LM-63-2002 Standards.

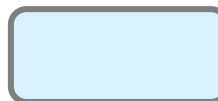
Overall Measurement



Tested Color (CIE 1931):

X: 0.312

Y: 0.315



Light Quality

CRI: 69.3

Color Temperature

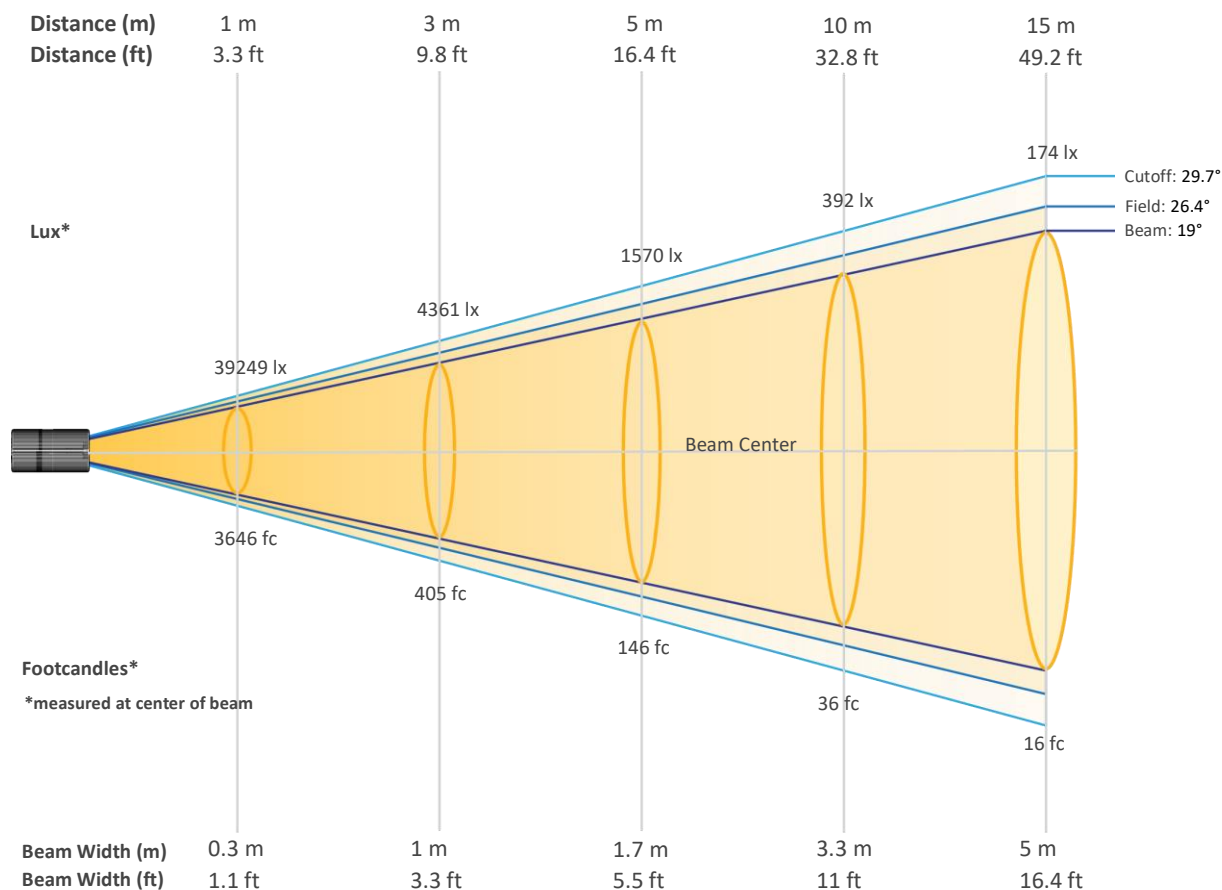
6648 K



Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - White Only

Beam Details

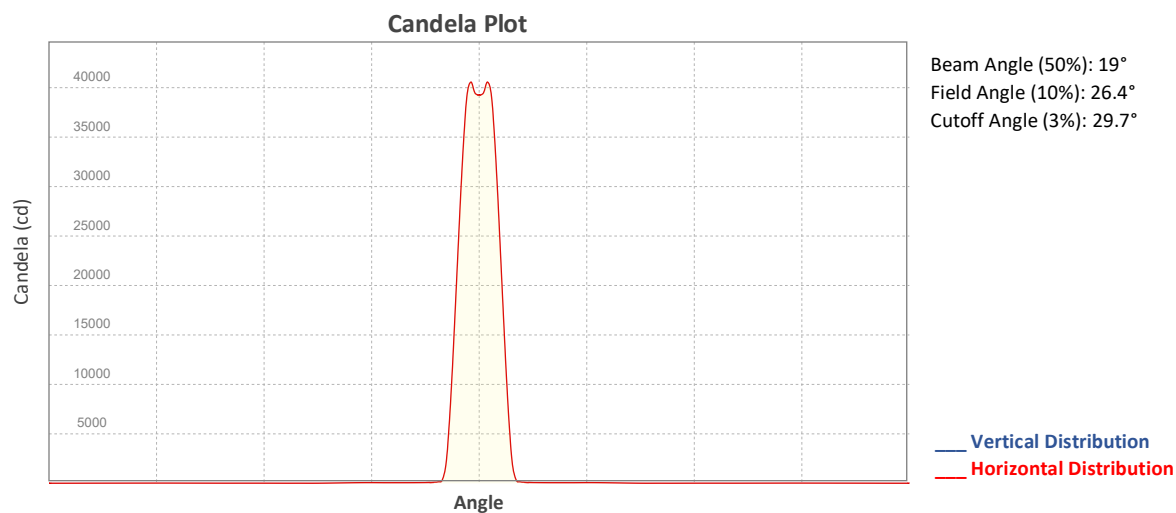


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	39249	9812	4361	2453	1570	1090	801	613	485	392
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	324	273	232	200	174	153	136	121	109	98
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3646	912	405	228	146	101	74	57	45	36
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	30	25	22	19	16	14	13	11	10	9

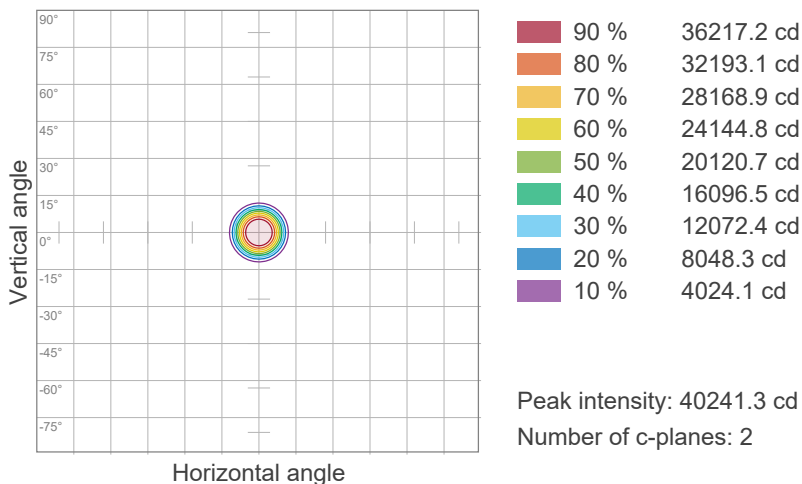
Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - White Only

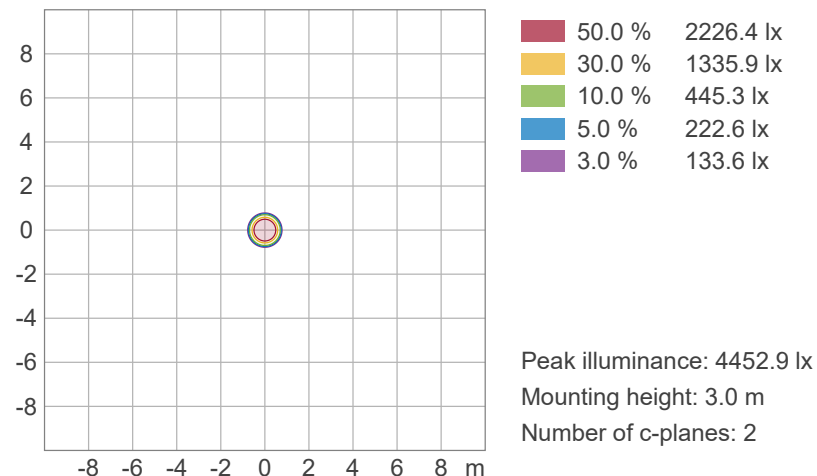


ISO Diagrams

ISO Candela Diagram



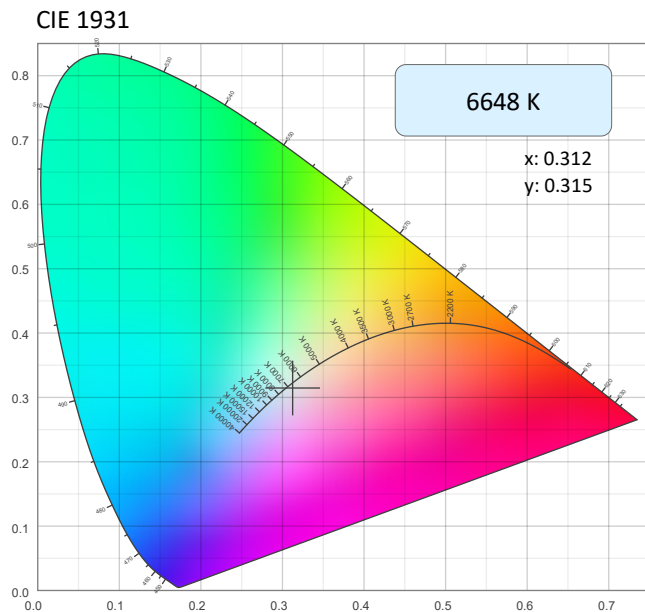
ISO Lux Diagram



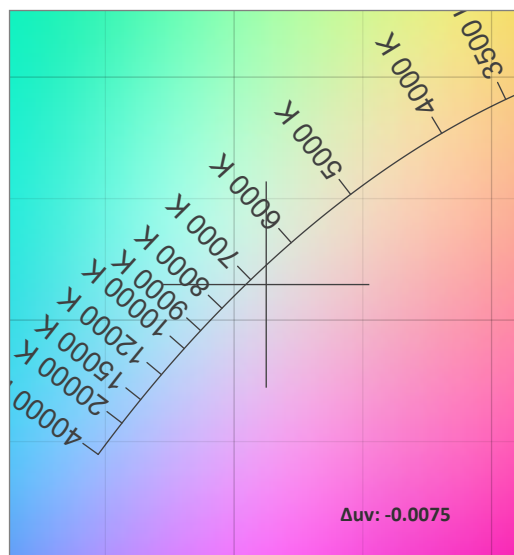
Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - White Only

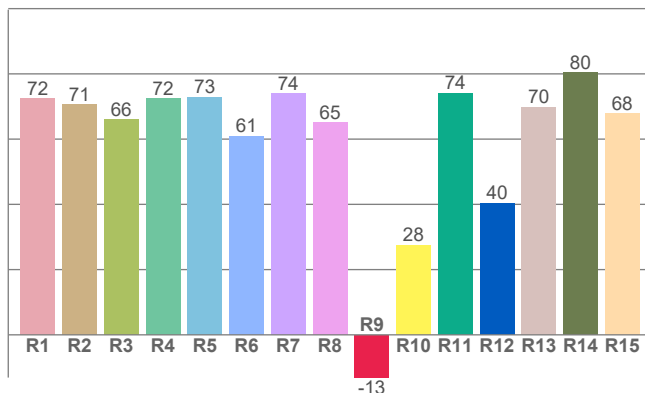
Chromaticity



CIE 1931 - Zoom



CRI: 69.3 (R1-R8)

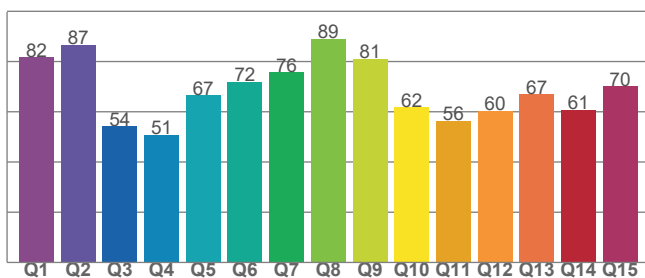


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6648 K	0.312	0.315

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0075	0.315	0.203

CQS: 66.9



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.3	-13.1	66.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
45	66.4	97.4

Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - White Only

TM-30 Details

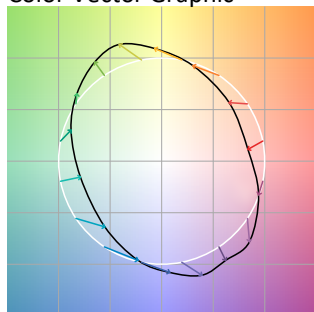
Rf 66.4

Fidelity Index
(Rg)

Rg 97.4

Gammut Index (Rg)

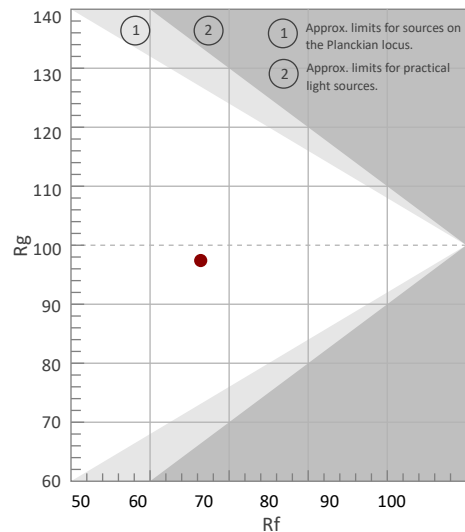
Color Vector Graphic



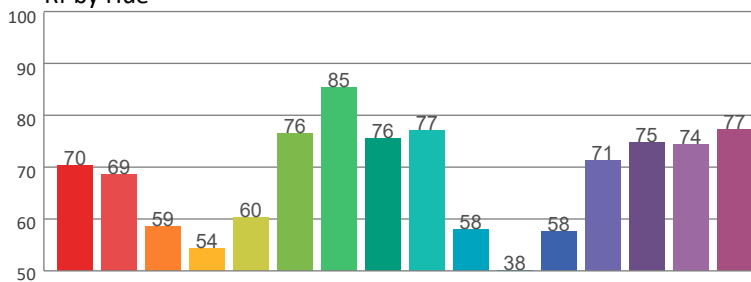
Color Distortion Graphic



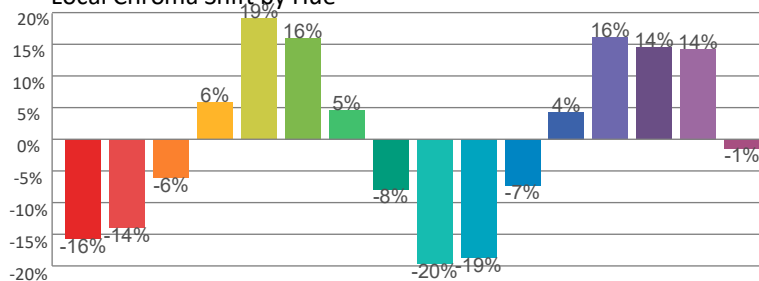
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	70	-16%	-5%
2	69	-14%	11%
3	59	-6%	26%
4	54	6%	28%
5	60	19%	18%
6	76	16%	1%
7	85	5%	-9%
8	76	-8%	-12%
9	77	-20%	0%
10	58	-19%	22%
11	38	-7%	34%
12	58	4%	29%
13	71	16%	17%
14	75	14%	-2%
15	74	14%	-18%
16	77	-1%	-14%



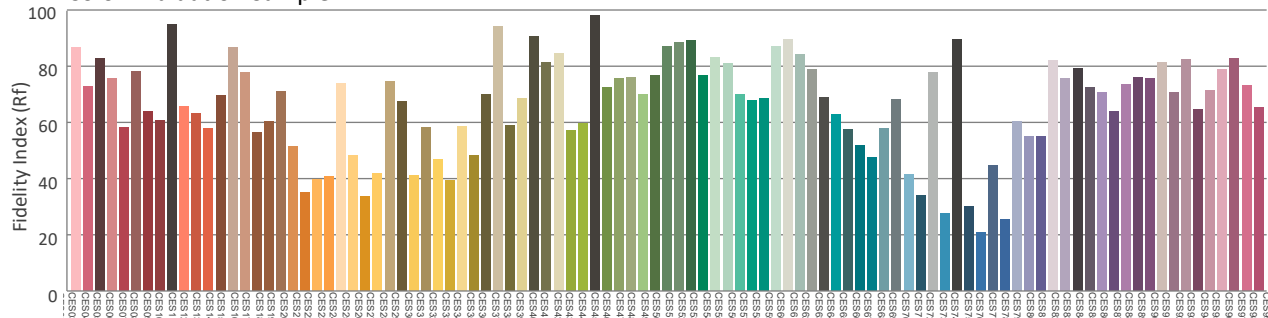
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - 7500K

Report Summary

Measurements

Fixture Output: 5419 lm

Fixture Peak: 49362 cd

Fixture Efficacy: 24 lm/W

Intensity @ 5m: 1957 lux

Color Temperature: 7503 K

CRI: 72.7 CRI R9 Value: -38.4

CQS: 84.7

TLCI: 61

TM-30 Rf: 79.2

TM-30 Rg: 116.7

Beam Angle (50%): 19.6°

Field Angle (10%): 27.4°

Cutoff Angle (3%): 31°



Conditions

AC Supply: 118 V, 60 Hz

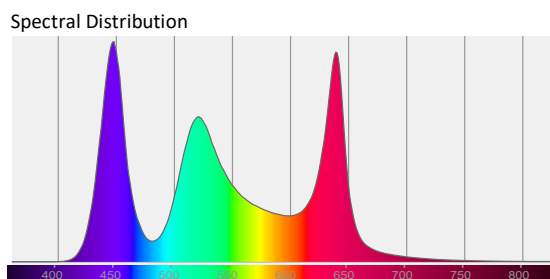
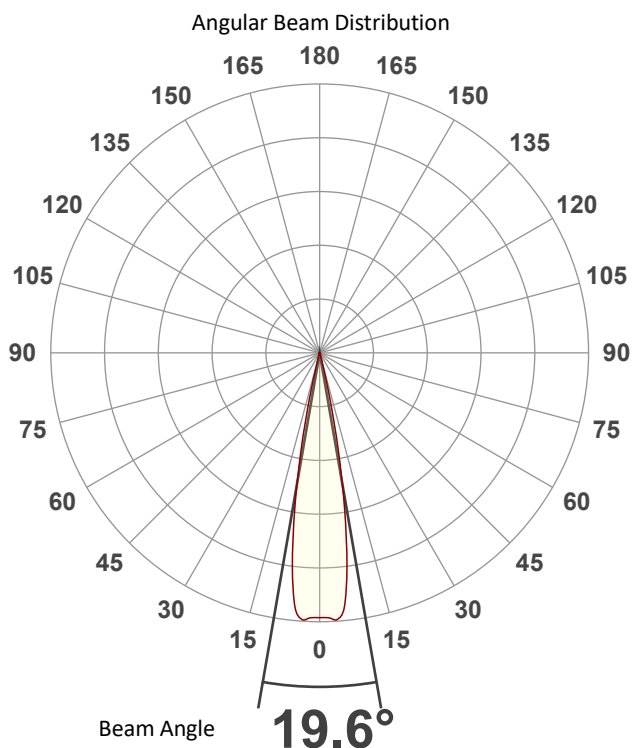
Power: 227.95 W

Current: 1.93 A

Power Factor: 1.0

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 Davie, FL on 8/14/2019 to LM-63-2002 Standards.

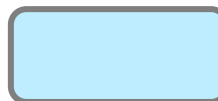
Overall Measurement



Tested Color (CIE 1931):

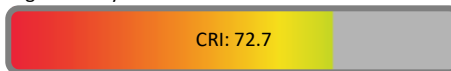
X: 0.300

Y: 0.311



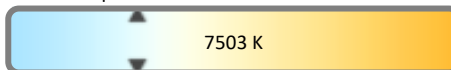
Light Quality

CRI: 72.7



Color Temperature

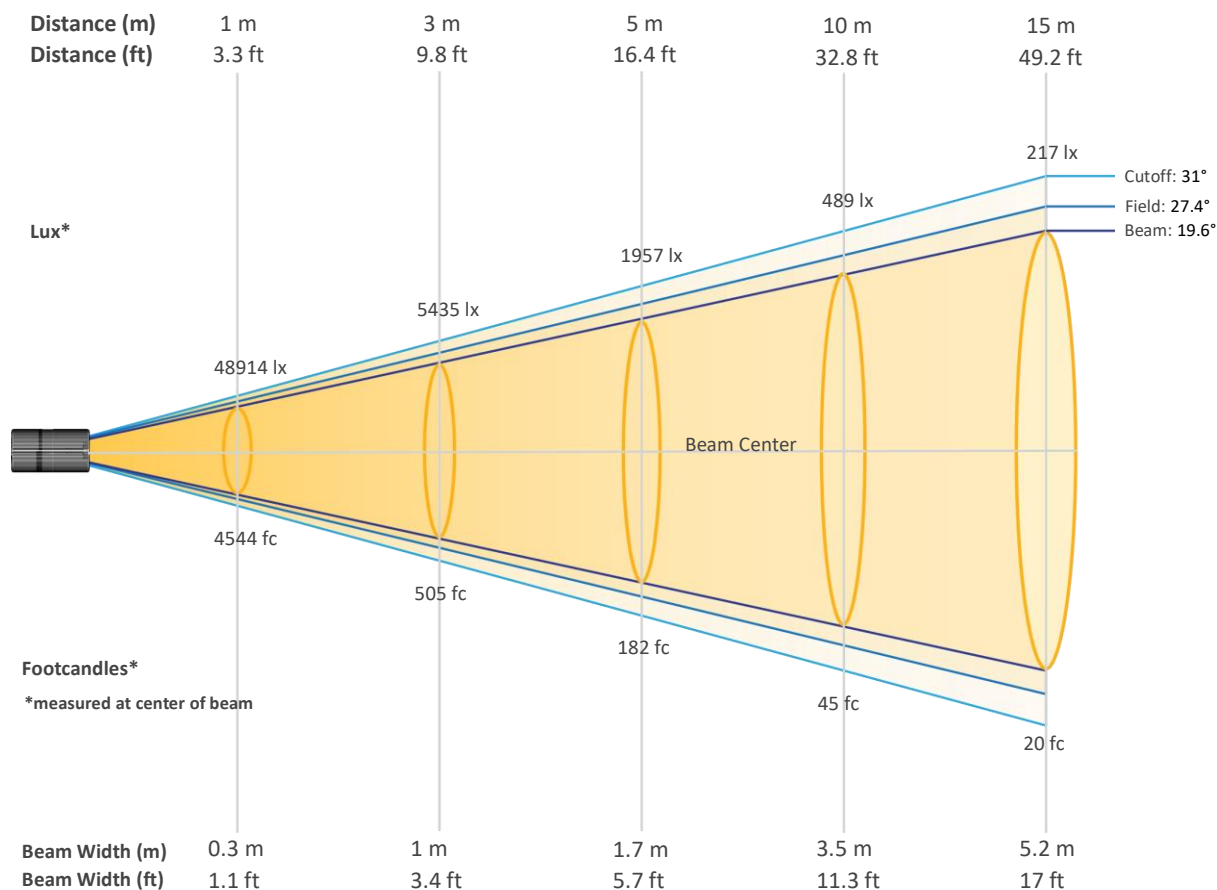
7503 K



Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - 7500K

Beam Details

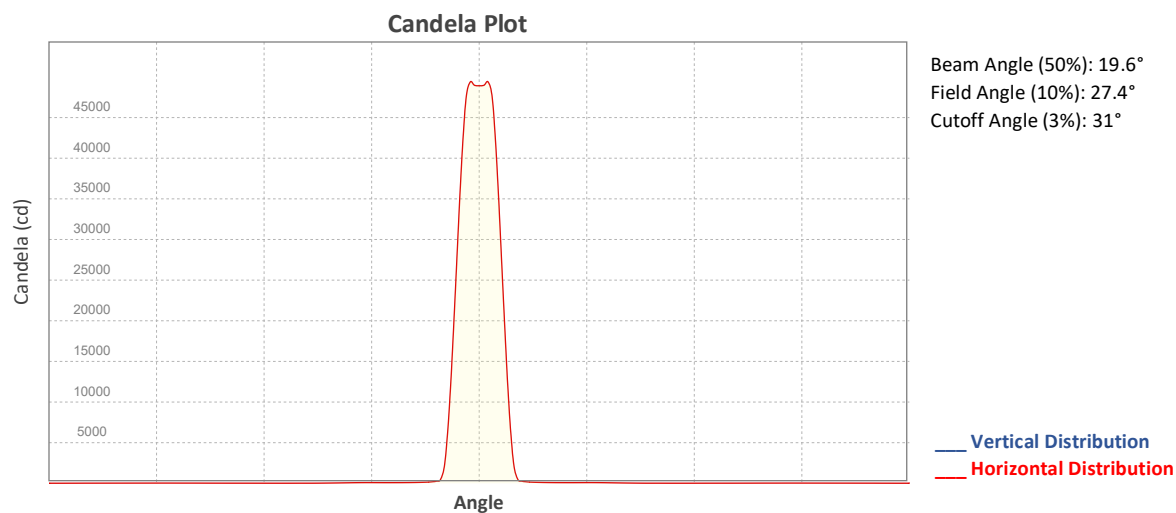


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	48914	12229	5435	3057	1957	1359	998	764	604	489
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	404	340	289	250	217	191	169	151	135	122
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	4544	1136	505	284	182	126	93	71	56	45
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	38	32	27	23	20	18	16	14	13	11

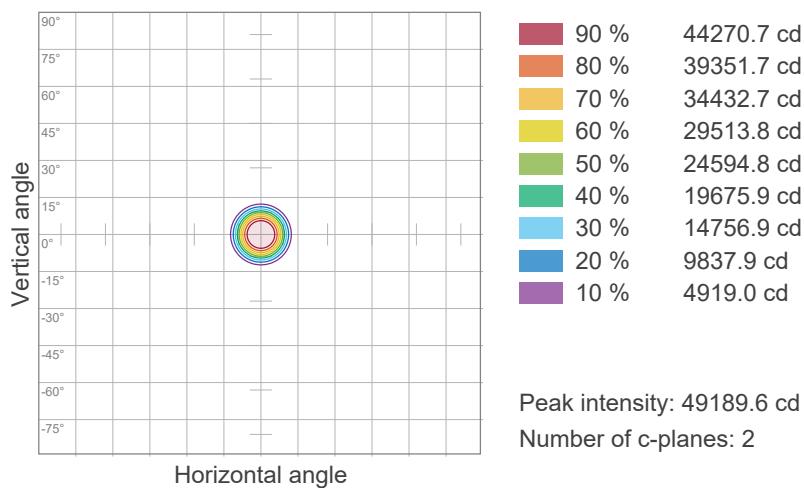
Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - 7500K

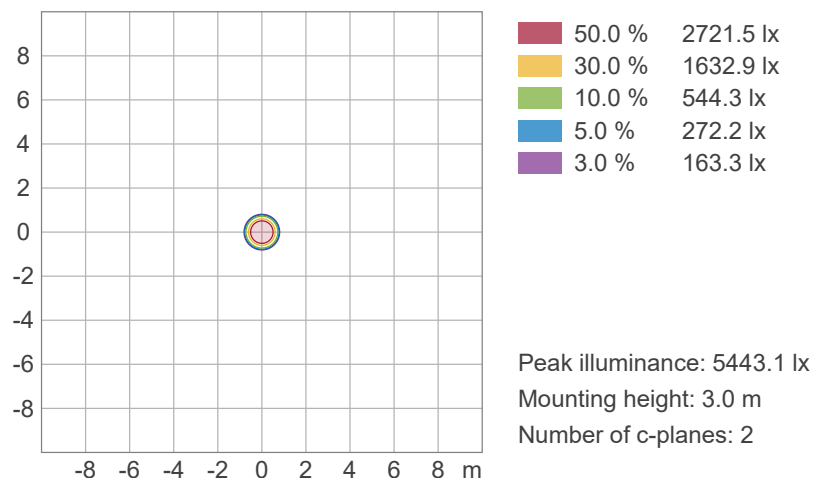


ISO Diagrams

ISO Candela Diagram



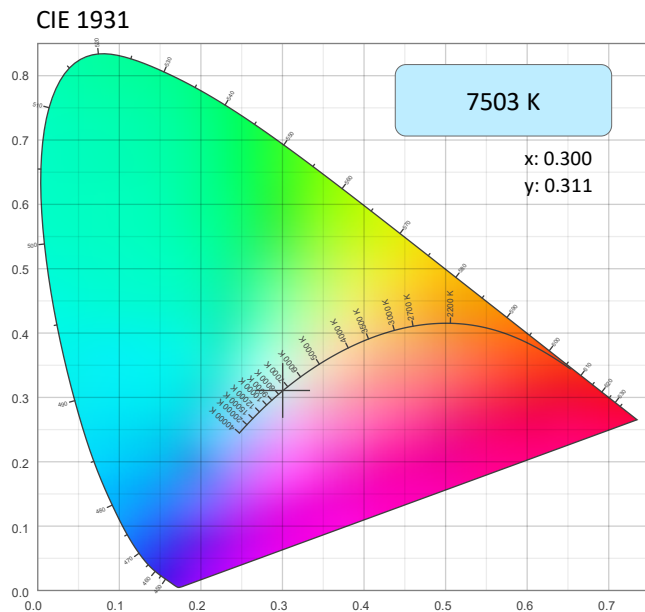
ISO Lux Diagram



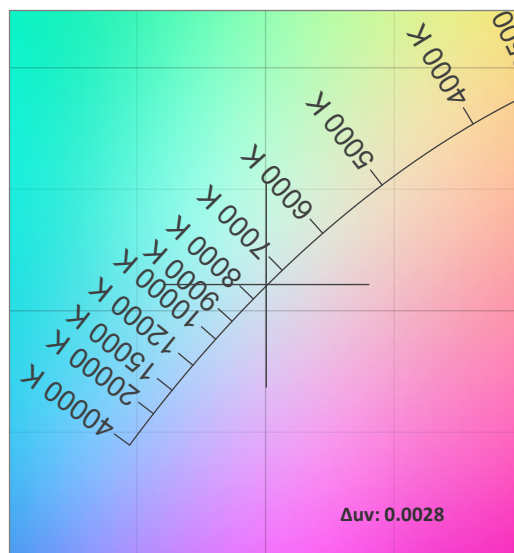
Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - 7500K

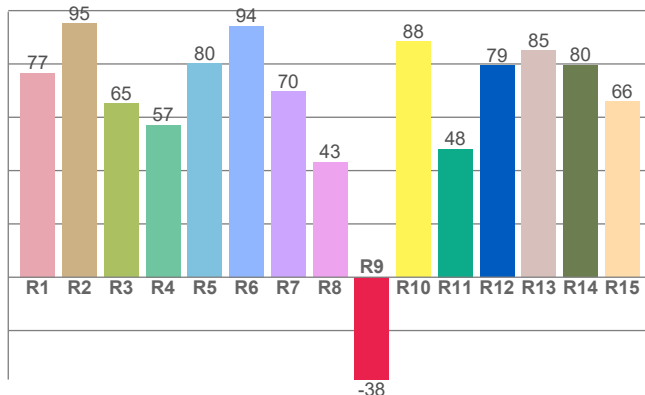
Chromaticity



CIE 1931 - Zoom



CRI: 72.7 (R1-R8)

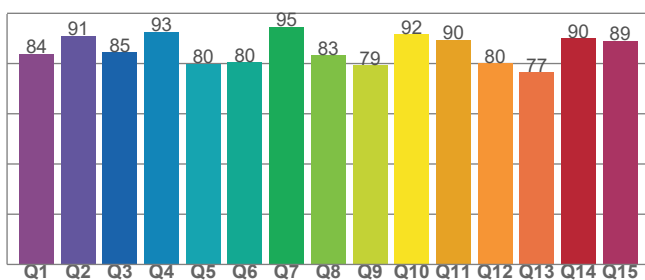


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7503 K	0.300	0.311

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0028	0.311	0.196

CQS: 84.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
72.7	-38.4	84.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
61	79.2	116.7

Photometric & Chromaticity Report

Rogue R2X Wash: 50% Zoom - 7500K

TM-30 Details

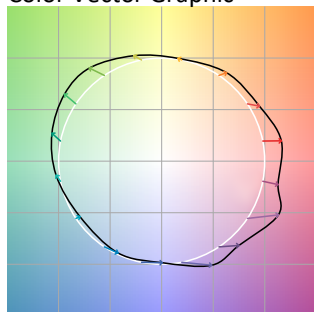
Rf 79.2

Fidelity Index
(Rg)

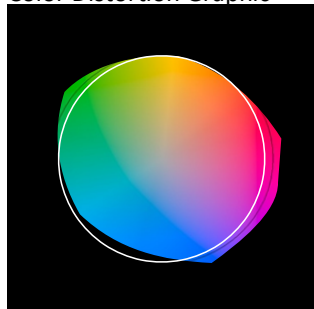
Rg 116.7

Gammut Index (Rg)

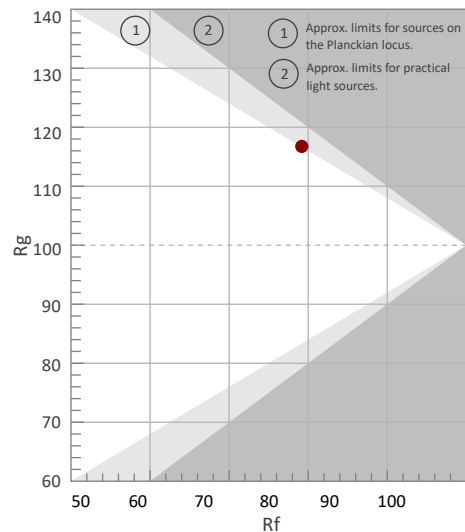
Color Vector Graphic



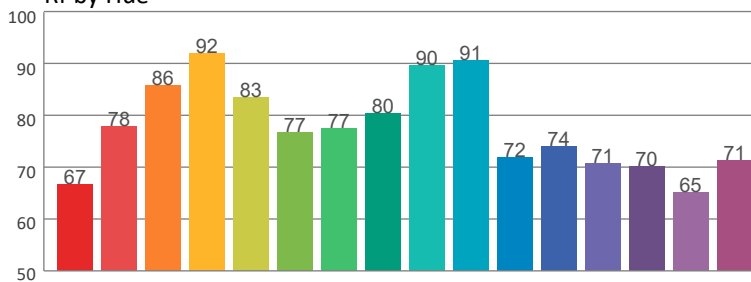
Color Distortion Graphic



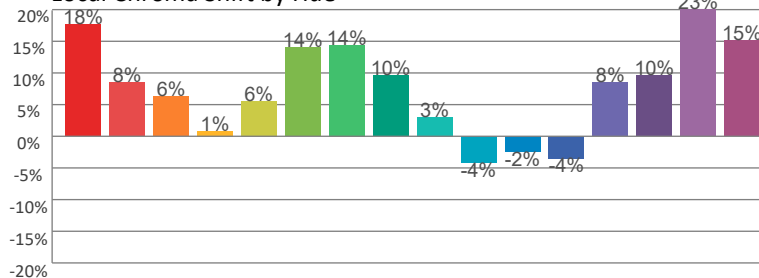
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	67	18%	-3%
2	78	8%	-8%
3	86	6%	-5%
4	92	1%	4%
5	83	6%	7%
6	77	14%	8%
7	77	14%	-2%
8	80	10%	-6%
9	90	3%	-7%
10	91	-4%	1%
11	72	-2%	14%
12	74	-4%	20%
13	71	8%	28%
14	70	10%	17%
15	65	23%	20%
16	71	15%	0%



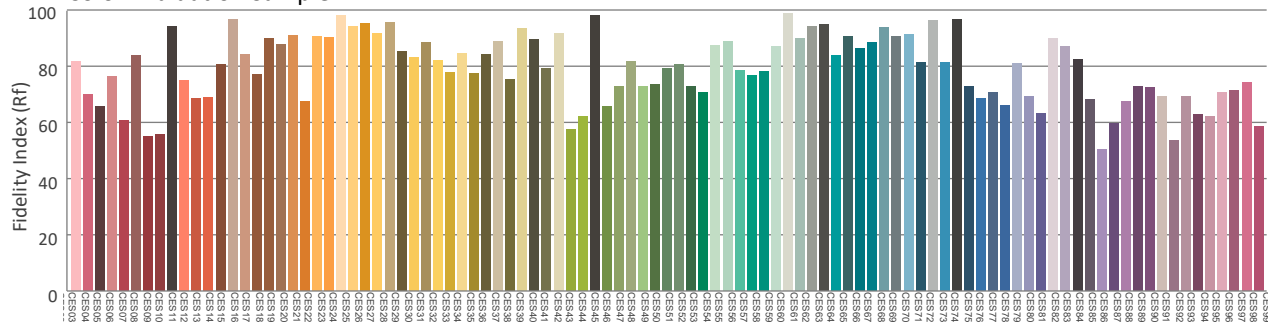
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Full Power

Report Summary

Measurements

Fixture Output: 4730 lm

Fixture Peak: 203734 cd

Fixture Efficacy: 15 lm/W

Intensity @ 5m: 8149 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%): 7.3°

Field Angle (10%): 11.2°

Cutoff Angle (3%): 17.6°

Conditions

AC Supply: 117 V, 60 Hz

Power: 325.68 W

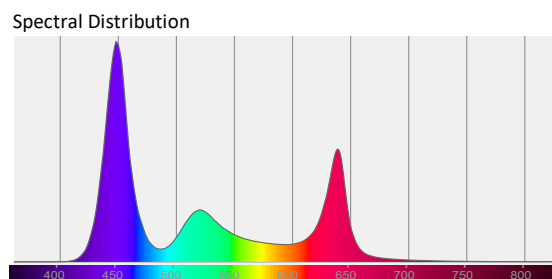
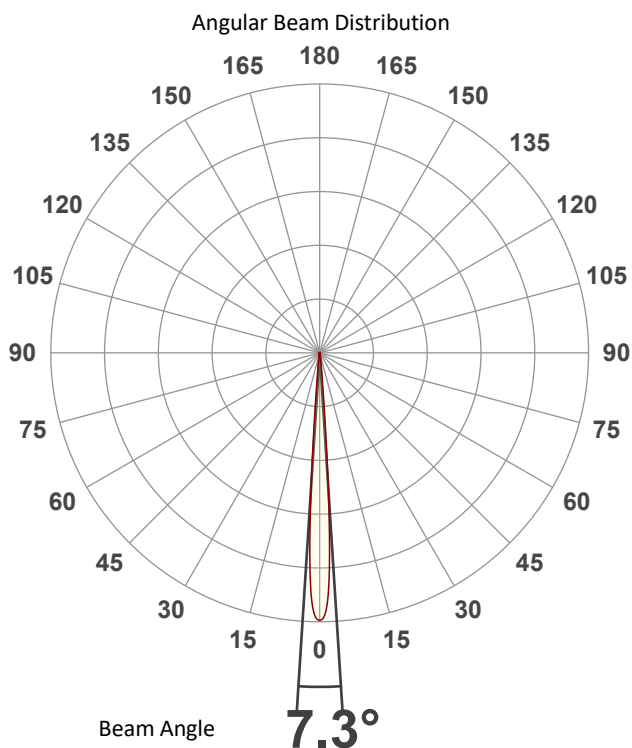
Current: 2.78 A

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 Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.255

Y: 0.192

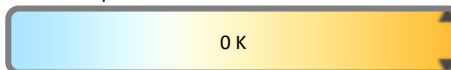


Light Quality

CRI: 0.0

Color Temperature

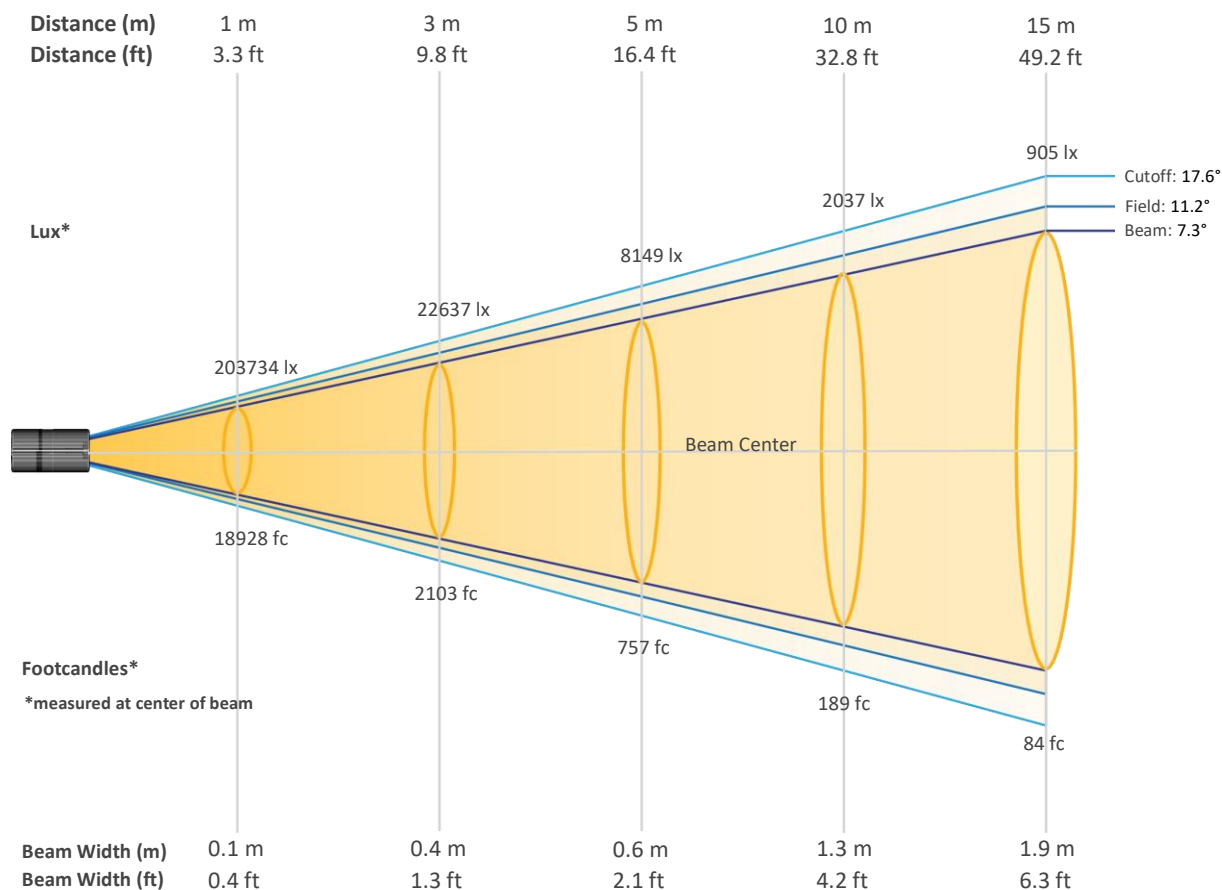
0 K



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Full Power

Beam Details

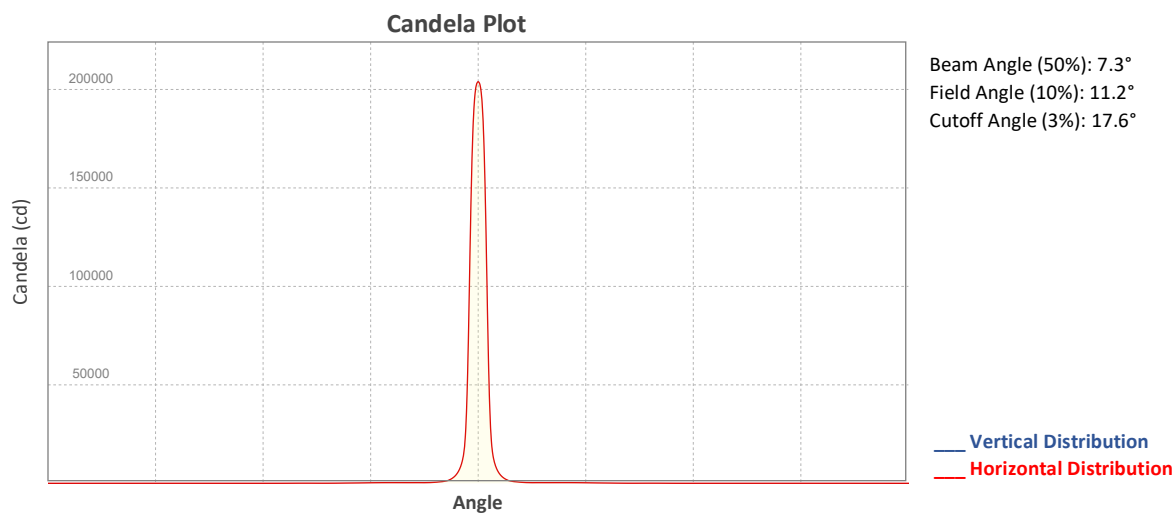


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	203734	50934	22637	12733	8149	5659	4158	3183	2515	2037
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1684	1415	1206	1039	905	796	705	629	564	509
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	18928	4732	2103	1183	757	526	386	296	234	189
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	156	131	112	97	84	74	65	58	52	47

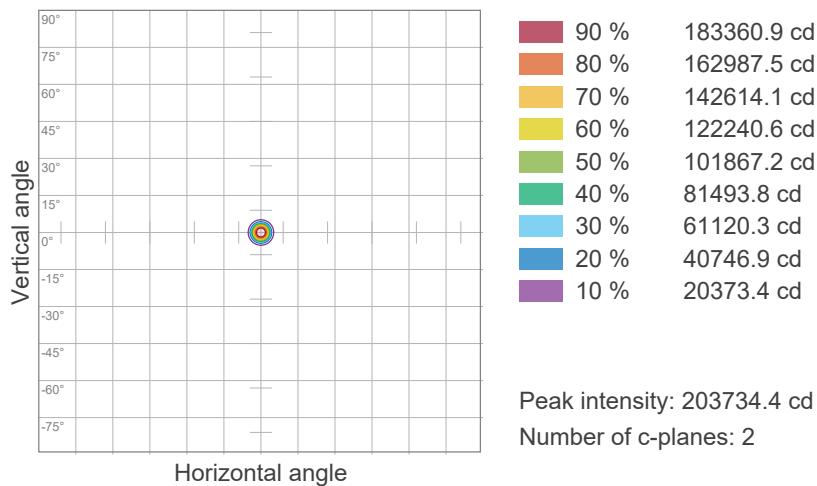
Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Full Power

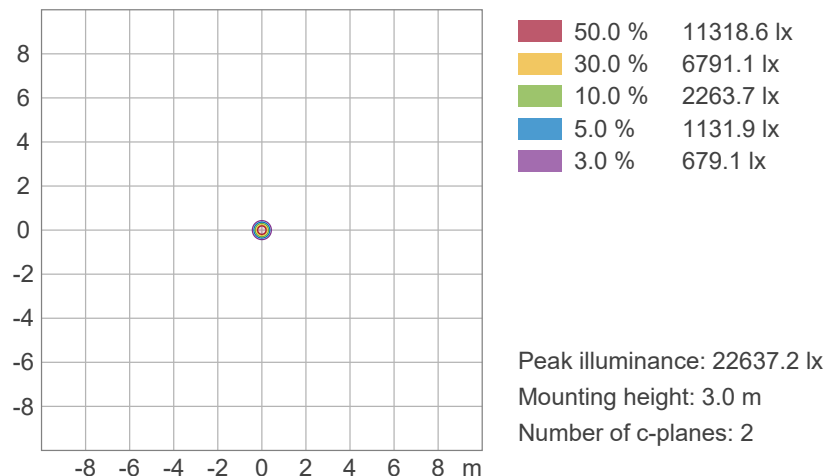


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

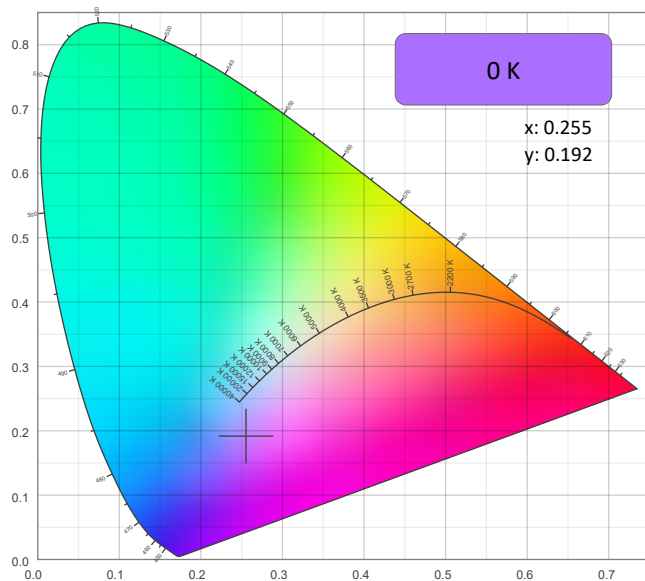


Photometric & Chromaticity Report

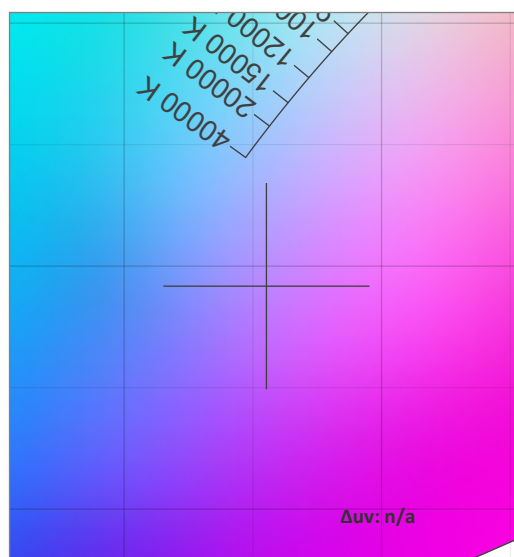
Rogue R2X Wash: Full Spot - Full Power

Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 0.0

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.255	0.192

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.192	0.213

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

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

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Full Power

TM-30 Details

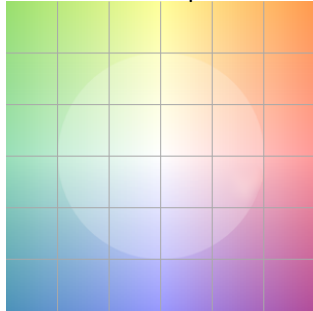
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index (Rg)

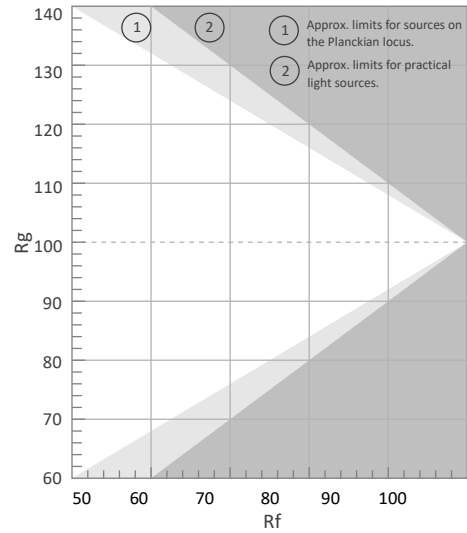
Color Vector Graphic



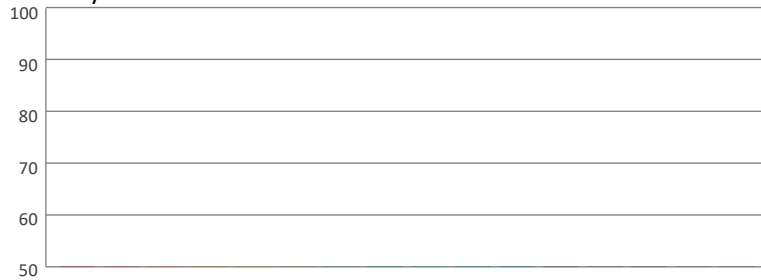
Color Distortion Graphic



		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%	



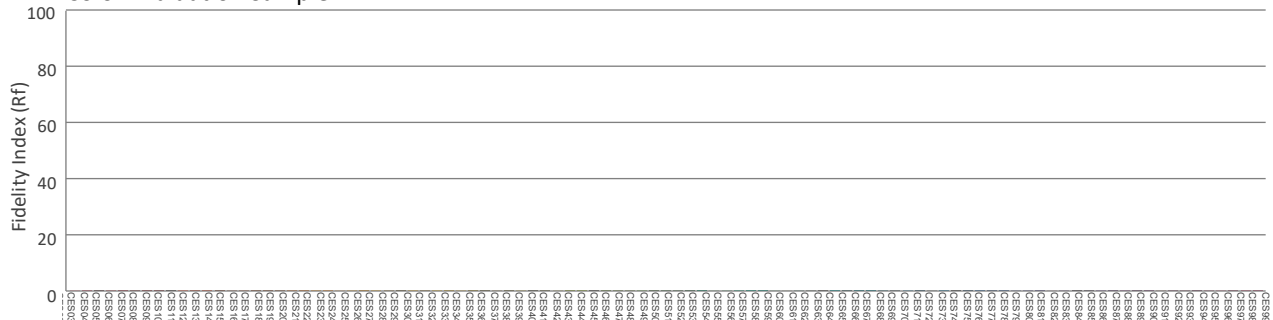
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Full Power-Stable

Report Summary

Measurements

Fixture Output: 4600 lm

Fixture Peak: 198866 cd

Fixture Efficacy: 15 lm/W

Intensity @ 5m: 7955 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%): 7.3°

Field Angle (10%): 11.2°

Cutoff Angle (3%): 17.4°

Conditions

AC Supply: 117 V, 60 Hz

Power: 313.87 W

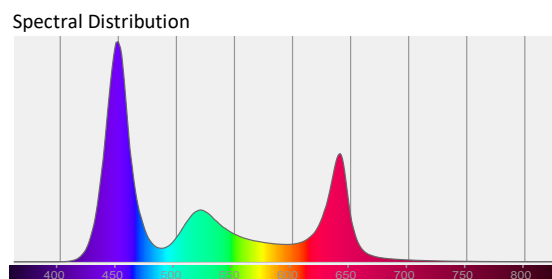
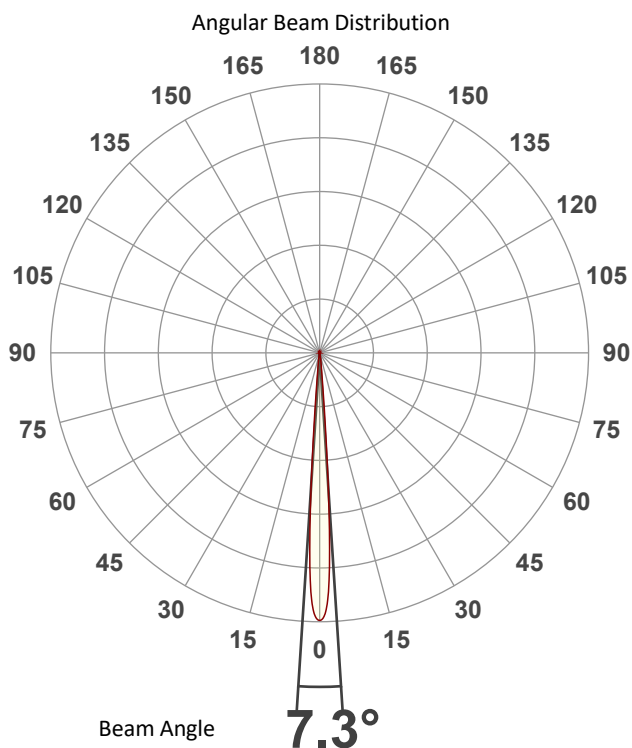
Current: 2.68 A

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 Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.252

Y: 0.191

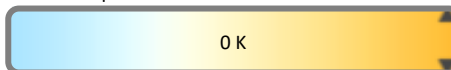


Light Quality

CRI: 0.0

Color Temperature

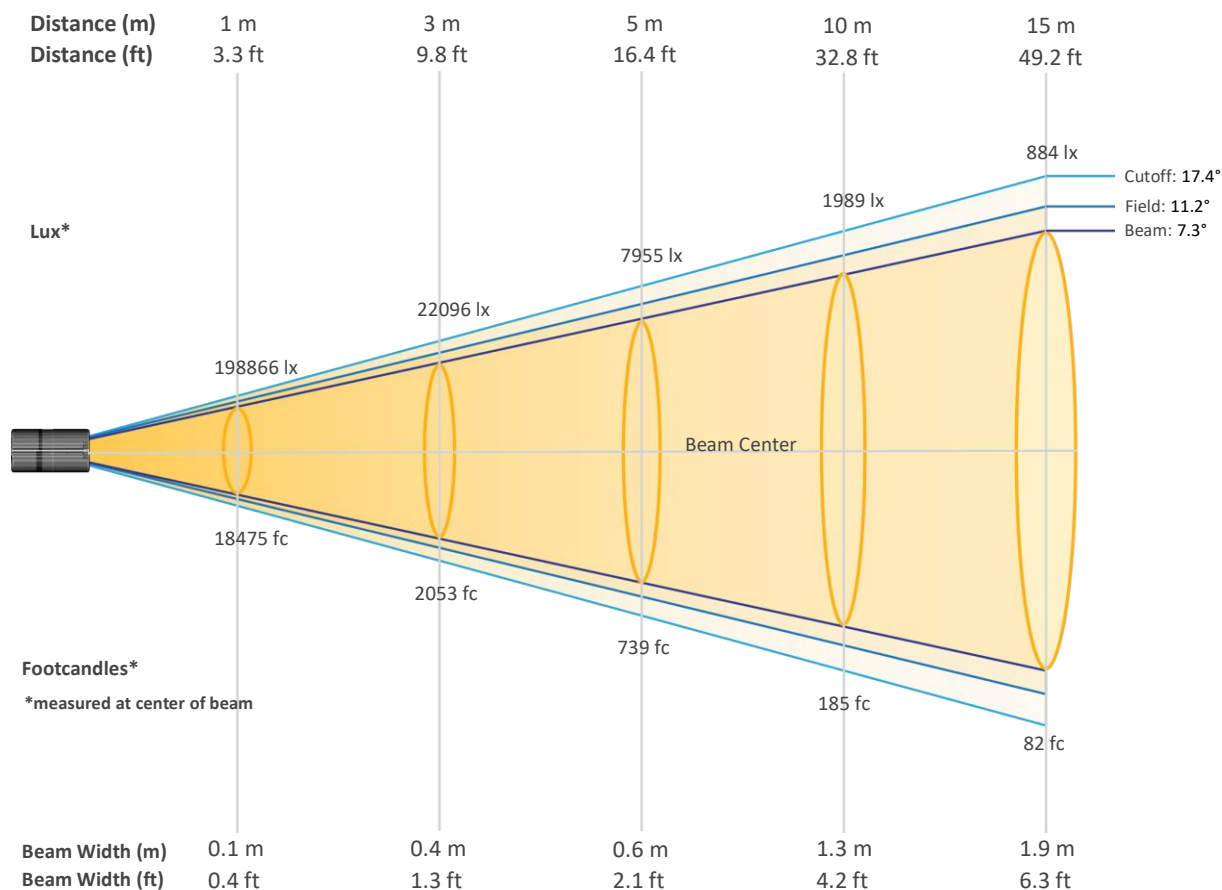
0 K



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Full Power-Stable

Beam Details

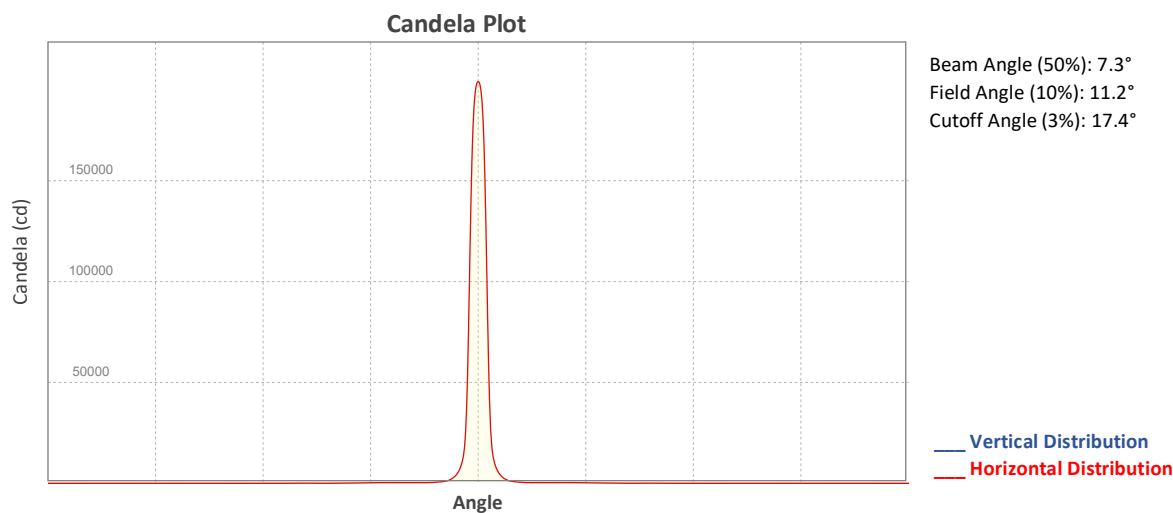


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	198866	49716	22096	12429	7955	5524	4058	3107	2455	1989
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1644	1381	1177	1015	884	777	688	614	551	497
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	18475	4619	2053	1155	739	513	377	289	228	185
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	153	128	109	94	82	72	64	57	51	46

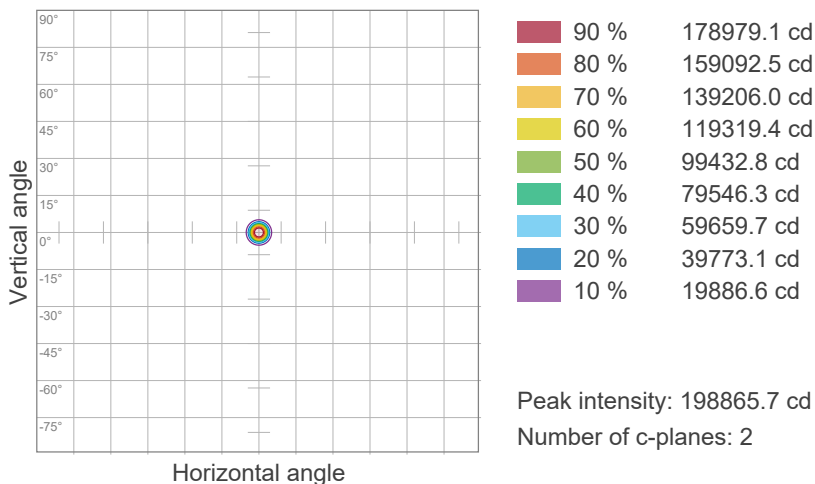
Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Full Power-Stable

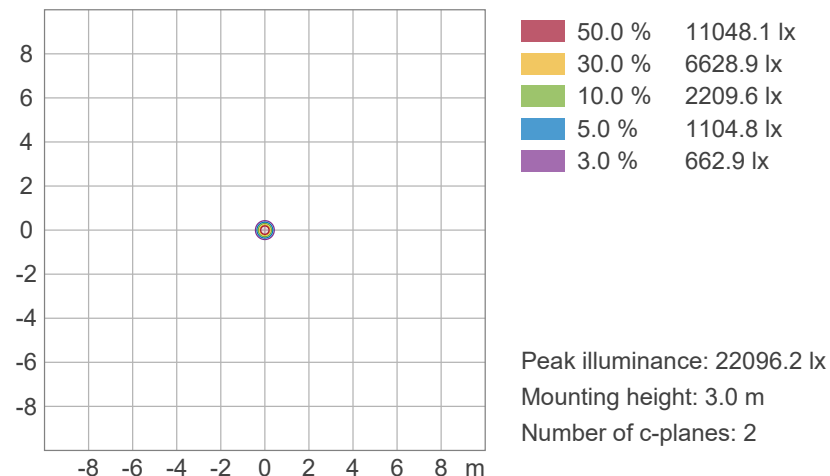


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Full Power-Stable

TM-30 Details

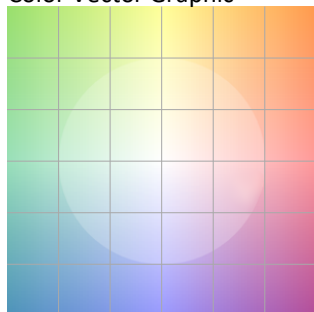
Rf 0.0

Fidelity Index
(Rg)

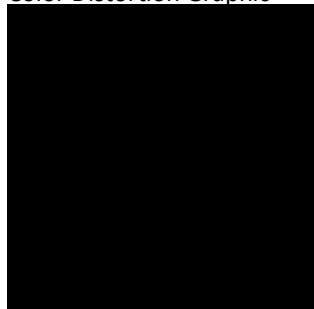
Rg 0.0

Gammut Index (Rg)

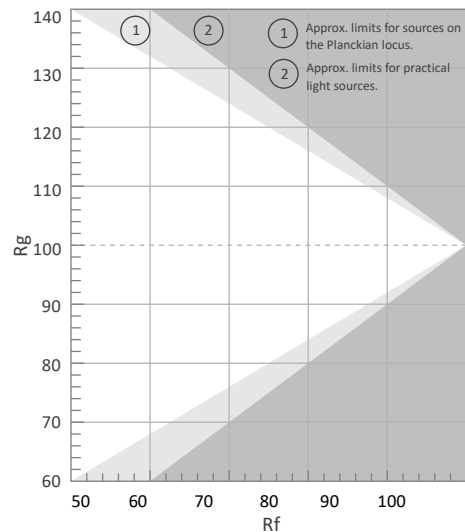
Color Vector Graphic



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

Rogue R2X Wash: Full Spot - Red Only

Report Summary

Measurements

Fixture Output: 1238 lm

Fixture Peak: 51523 cd

Fixture Efficacy: 11 lm/W

Intensity @ 5m: 2061 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%): 7.3°

Field Angle (10%): 11.3°

Cutoff Angle (3%): 17°

Conditions

AC Supply: 118 V, 60 Hz

Power: 113.17 W

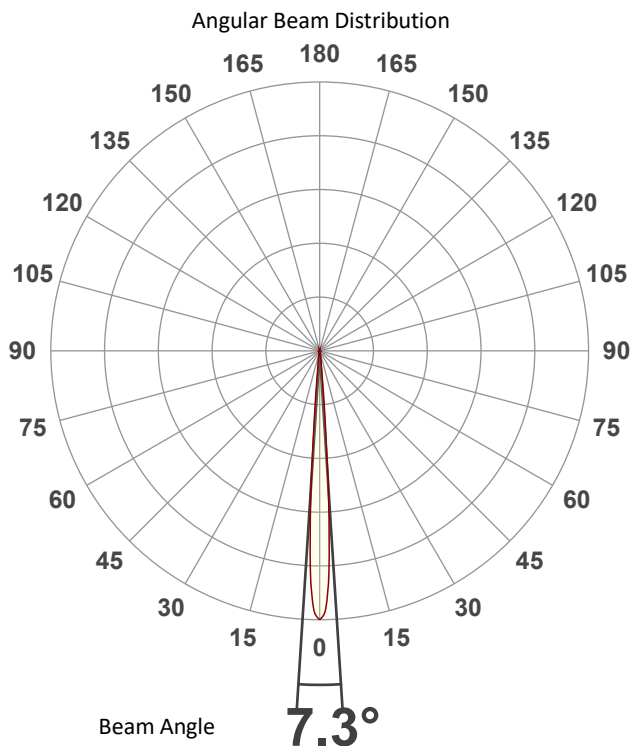
Current: 0.956 A

Power Factor: 0.99

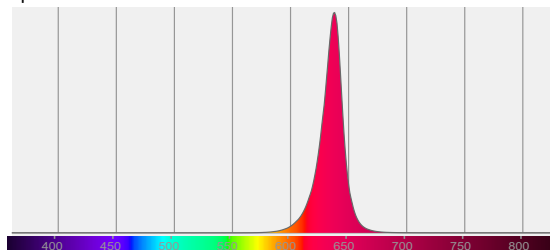


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Spectral Distribution



Tested Color (CIE 1931):

X: 0.701

Y: 0.298



Light Quality

CRI: 0.0

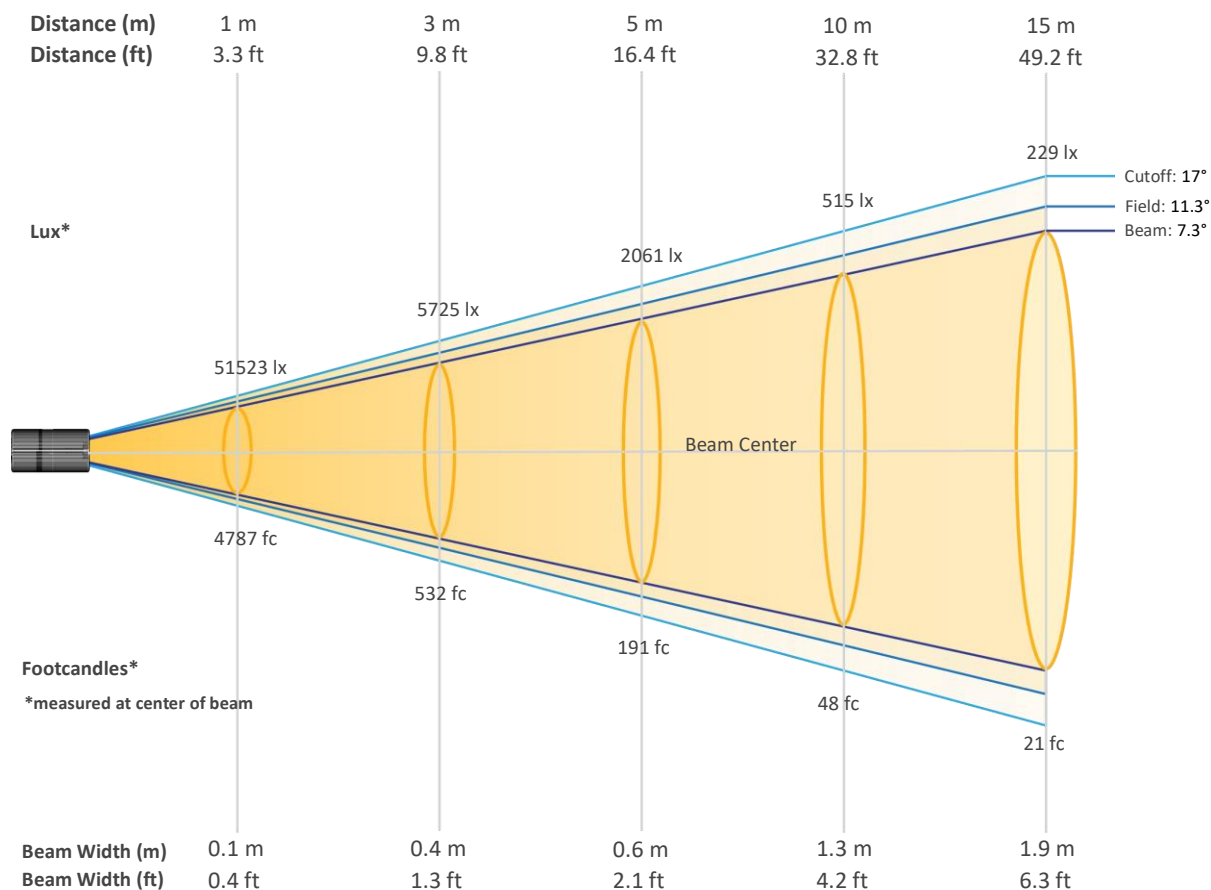
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Red Only

Beam Details

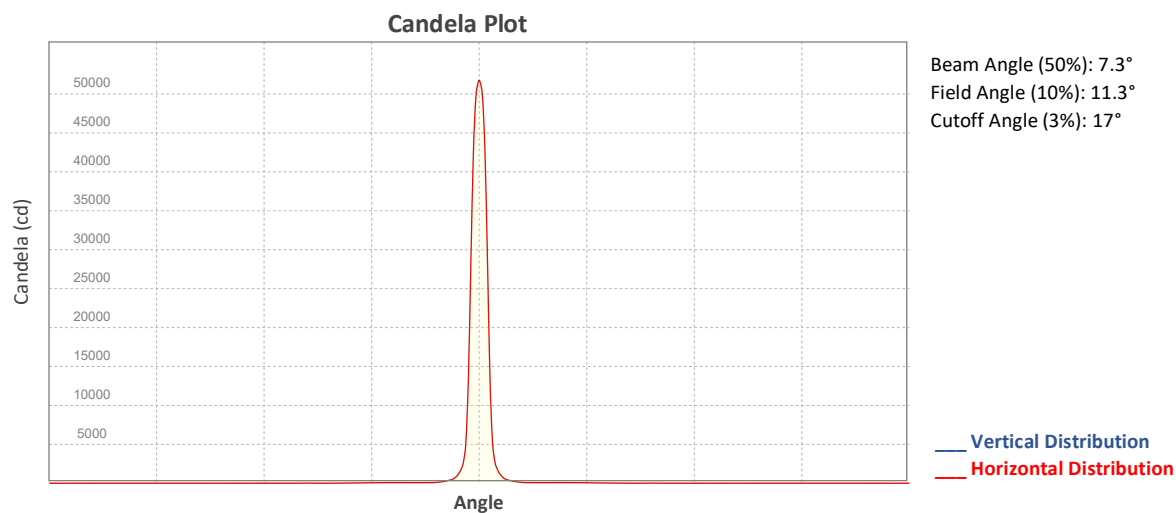


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	51523	12881	5725	3220	2061	1431	1051	805	636	515
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	426	358	305	263	229	201	178	159	143	129
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	4787	1197	532	299	191	133	98	75	59	48
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	40	33	28	24	21	19	17	15	13	12

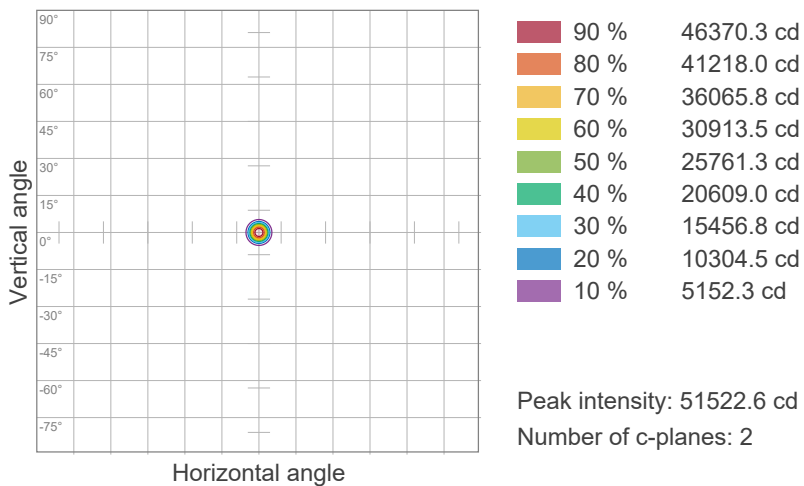
Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Red Only

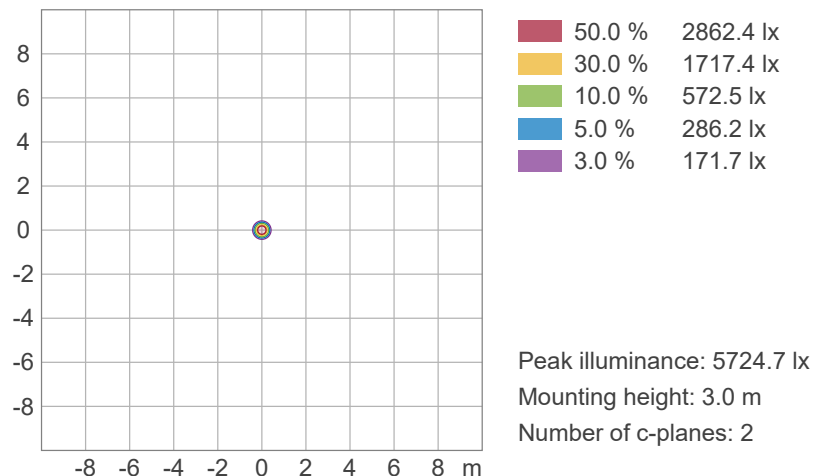


ISO Diagrams

ISO Candela Diagram



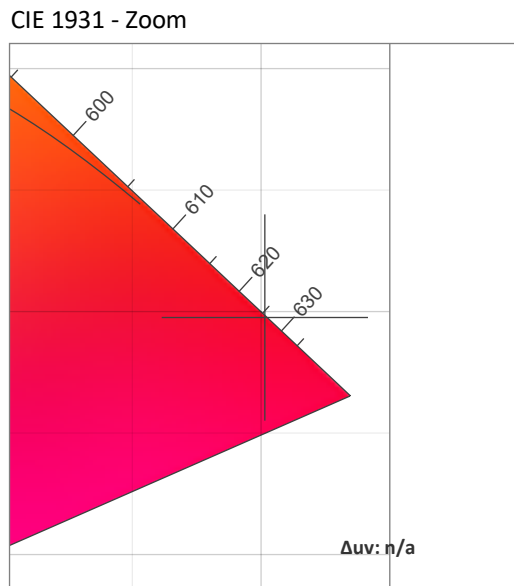
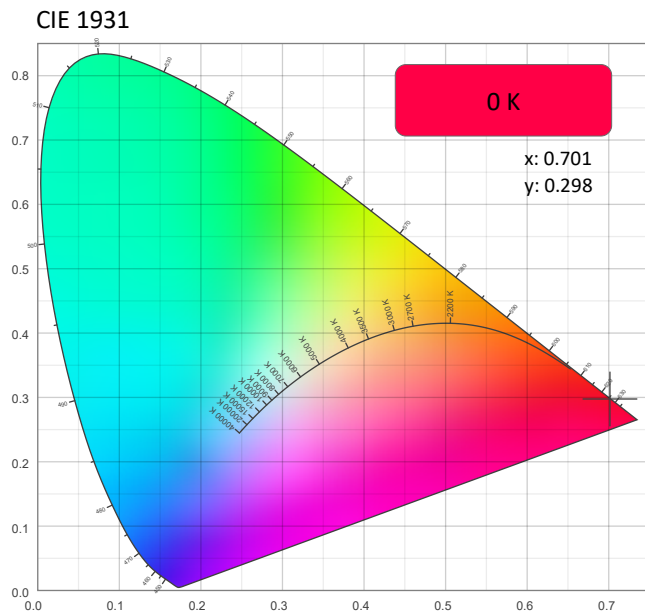
ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Red 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

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.701	0.298

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.298	0.543

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

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

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Red Only

TM-30 Details

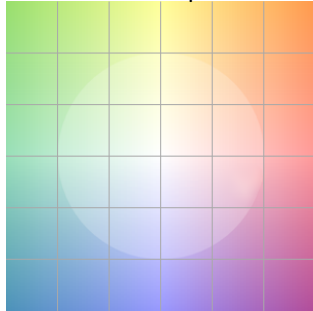
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index (Rg)

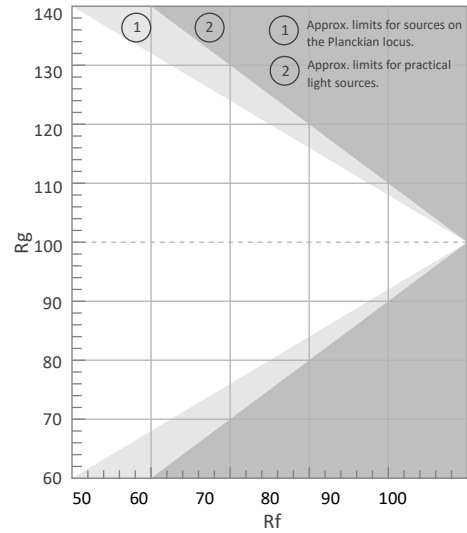
Color Vector Graphic



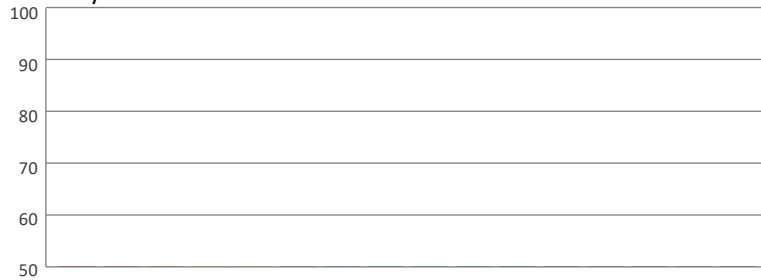
Color Distortion Graphic



		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%	



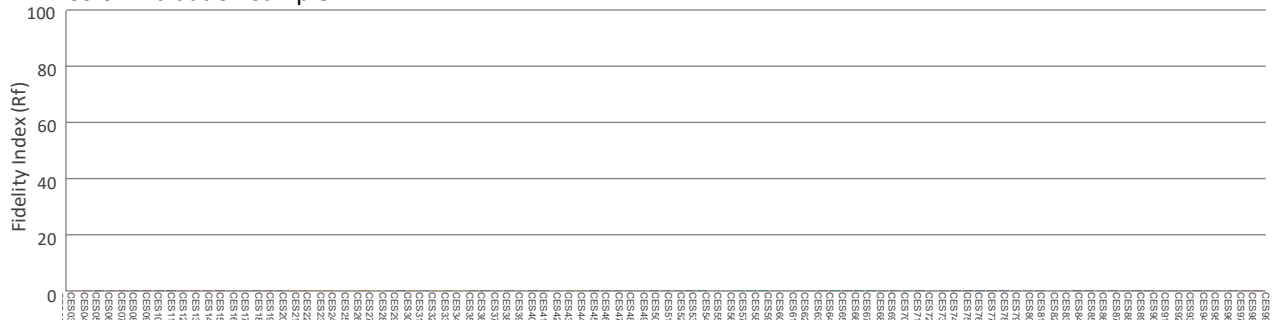
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Green Only

Report Summary

Measurements

Fixture Output: 2164 lm

Fixture Peak: 95459 cd

Fixture Efficacy: 16 lm/W

Intensity @ 5m: 3818 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%): 7.2°

Field Angle (10%): 11.2°

Cutoff Angle (3%): 17.4°

Conditions

AC Supply: 118 V, 60 Hz

Power: 140.38 W

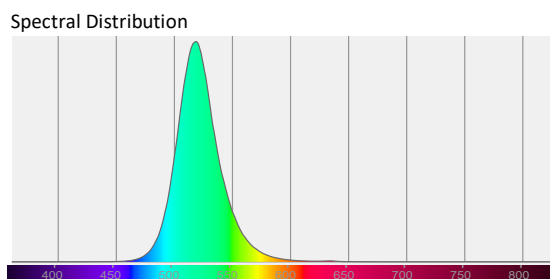
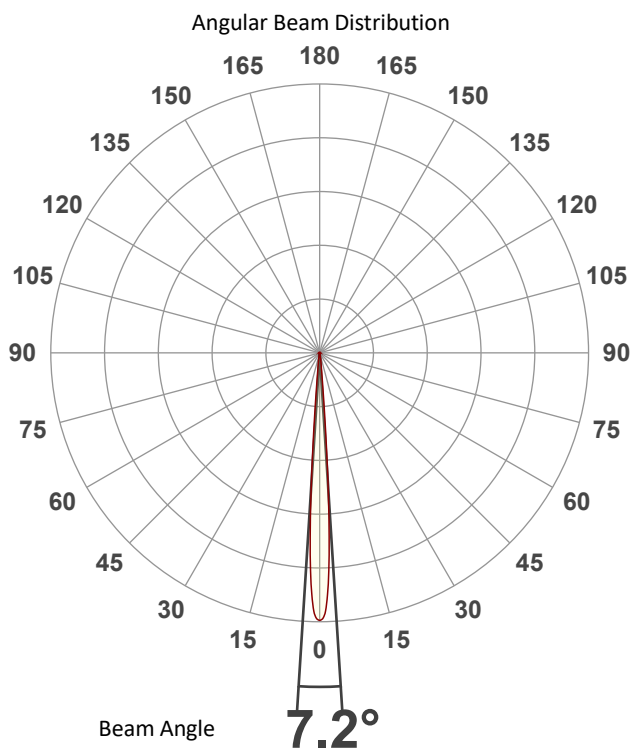
Current: 1.19 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/26/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.153

Y: 0.708



Light Quality

CRI: 0.0

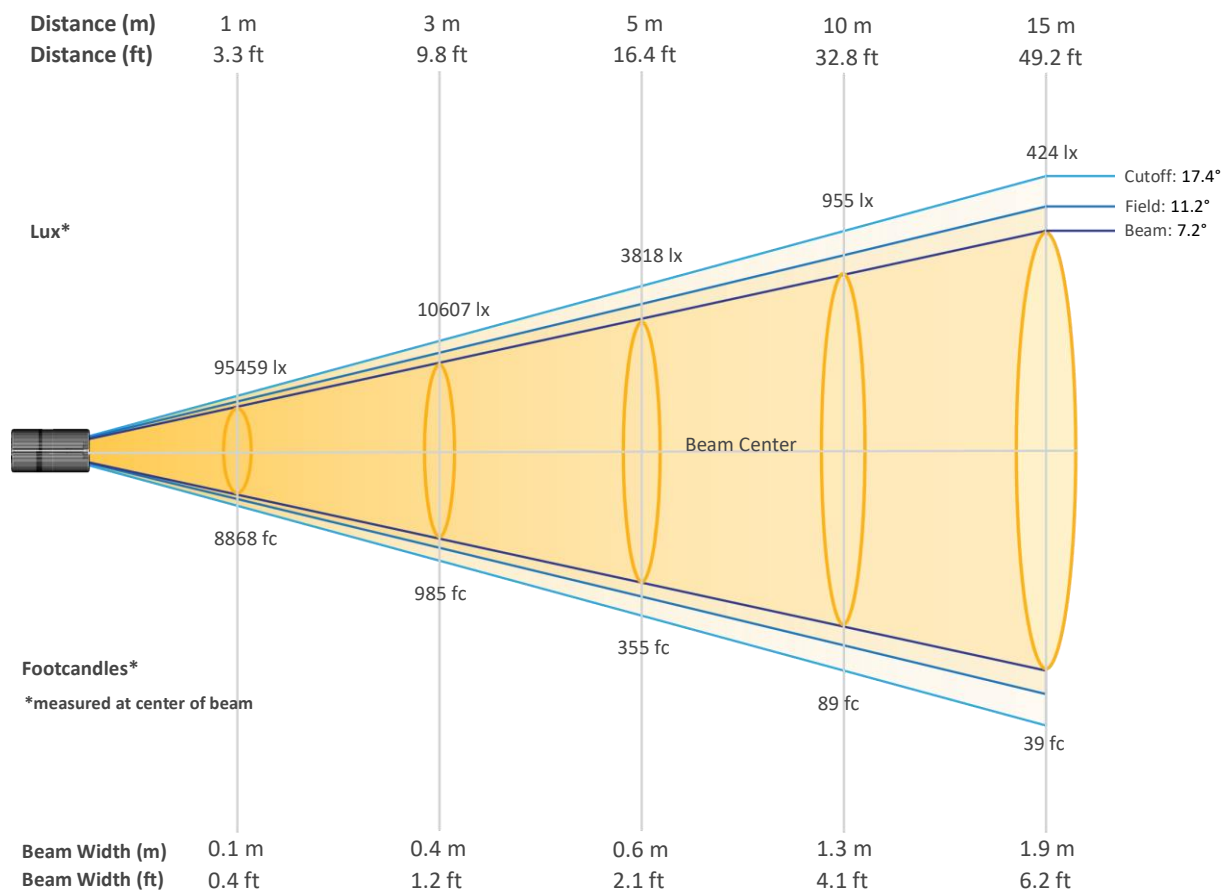
Color Temperature

0 K

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Green Only

Beam Details

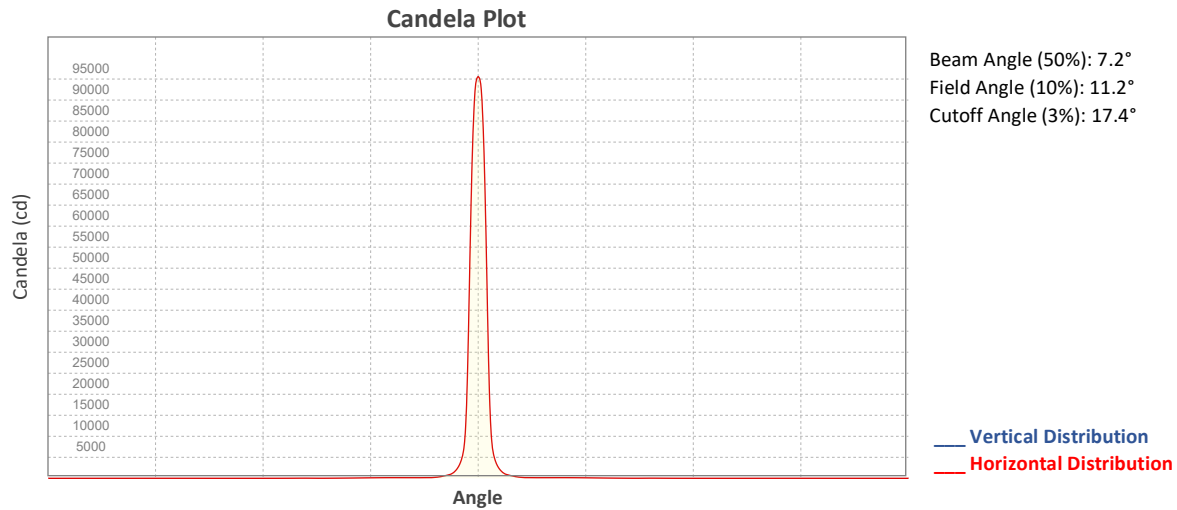


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	95459	23865	10607	5966	3818	2652	1948	1492	1179	955
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	789	663	565	487	424	373	330	295	264	239
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	8868	2217	985	554	355	246	181	139	109	89
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	73	62	52	45	39	35	31	27	25	22

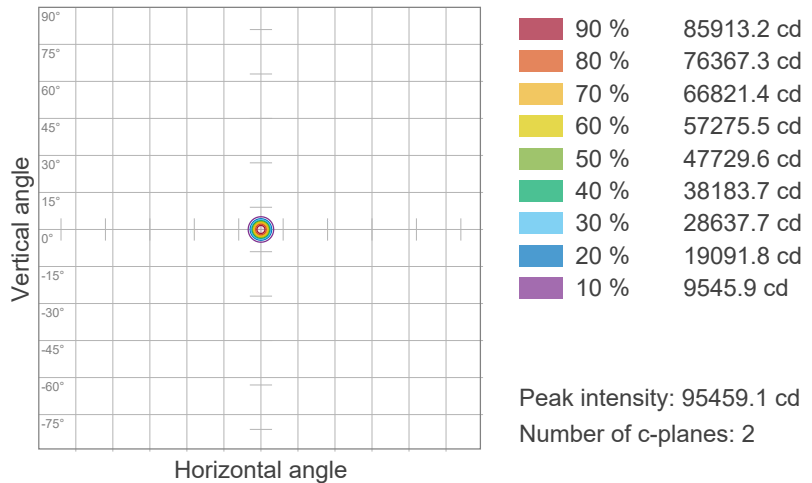
Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Green Only

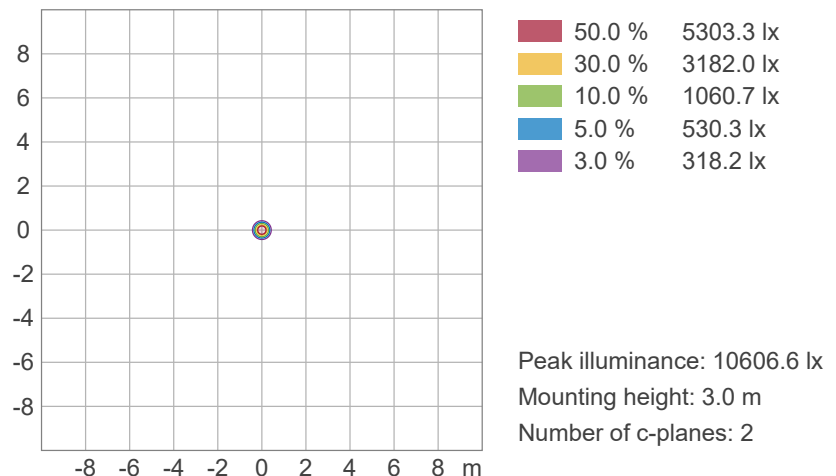


ISO Diagrams

ISO Candela Diagram



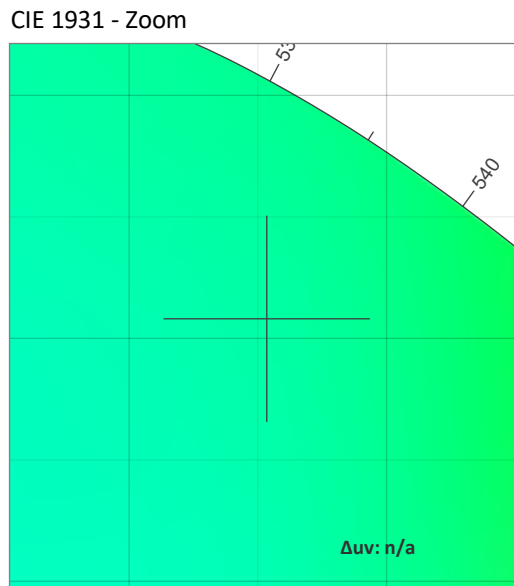
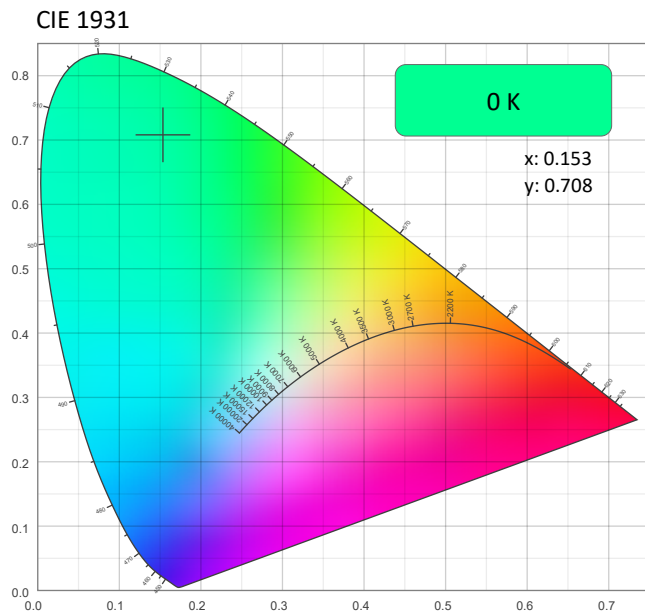
ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: 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

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.153	0.708

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.708	0.055

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

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

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Green Only

TM-30 Details

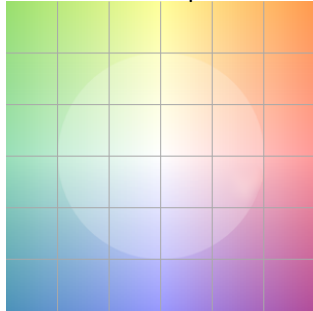
Rf 0.0

Fidelity Index
(Rg)

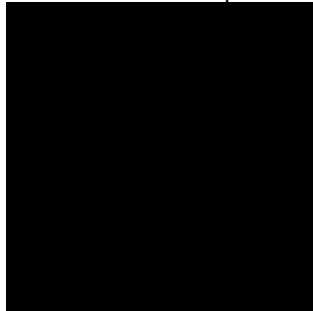
Rg 0.0

Gammut Index (Rg)

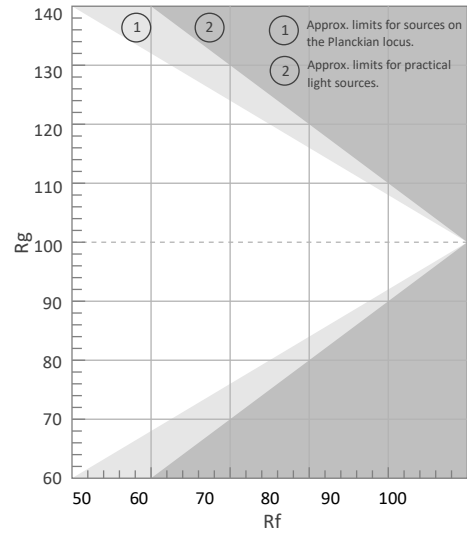
Color Vector Graphic



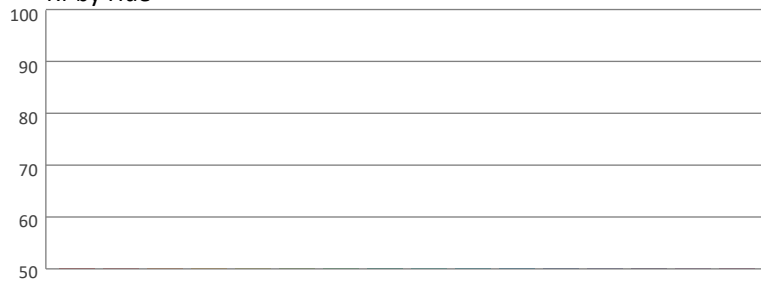
Color Distortion Graphic



		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

Rogue R2X Wash: Full Spot - Blue Only

Report Summary

Measurements

Fixture Output: 705 lm

Fixture Peak: 26219 cd

Fixture Efficacy: 6 lm/W

Intensity @ 5m: 1049 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%): 7.3°

Field Angle (10%): 11.3°

Cutoff Angle (3%): 17.9°

Conditions

AC Supply: 118 V, 60 Hz

Power: 128.35 W

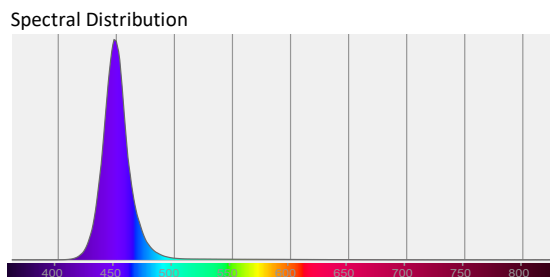
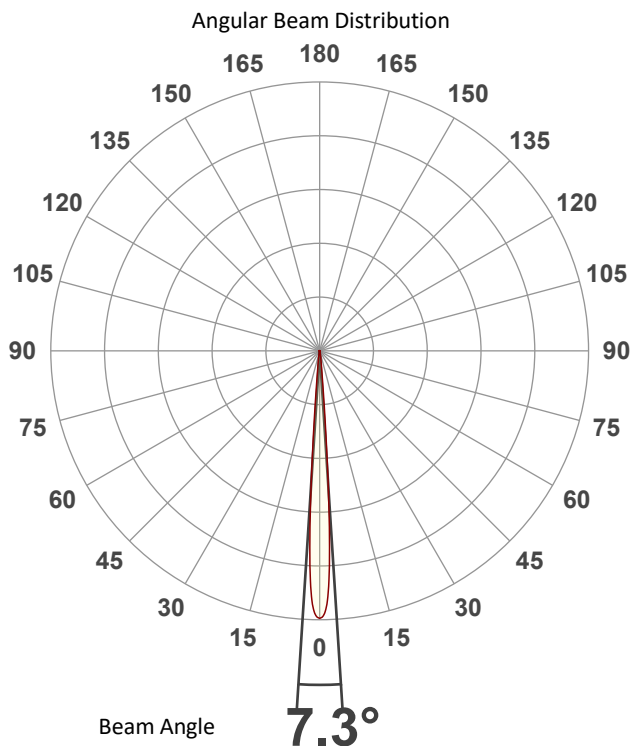
Current: 1.08 A

Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/26/2019 to LM-63-2002 Standards.

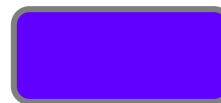
Overall Measurement



Tested Color (CIE 1931):

X: 0.156

Y: 0.027

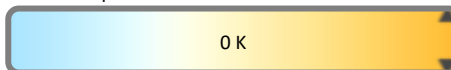


Light Quality

CRI: 0.0

Color Temperature

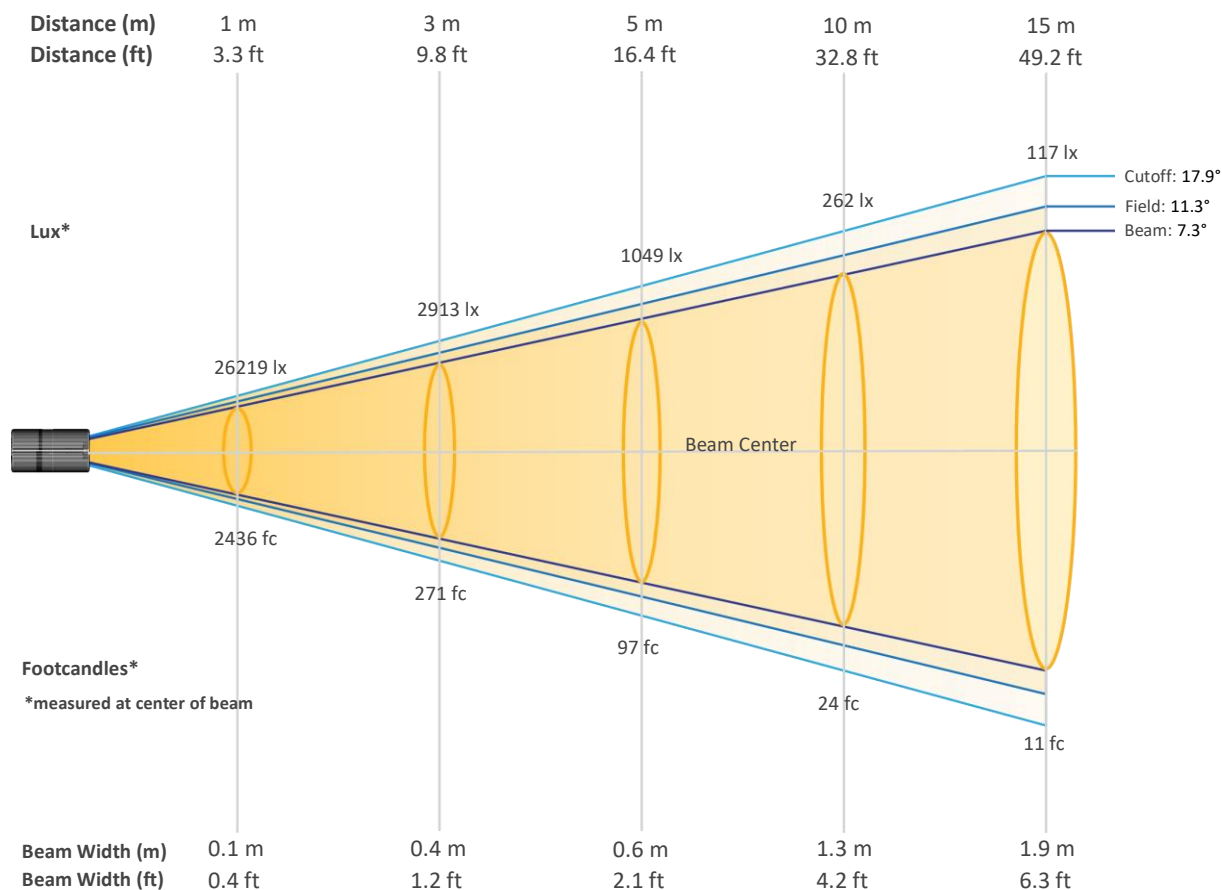
0 K



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Blue Only

Beam Details

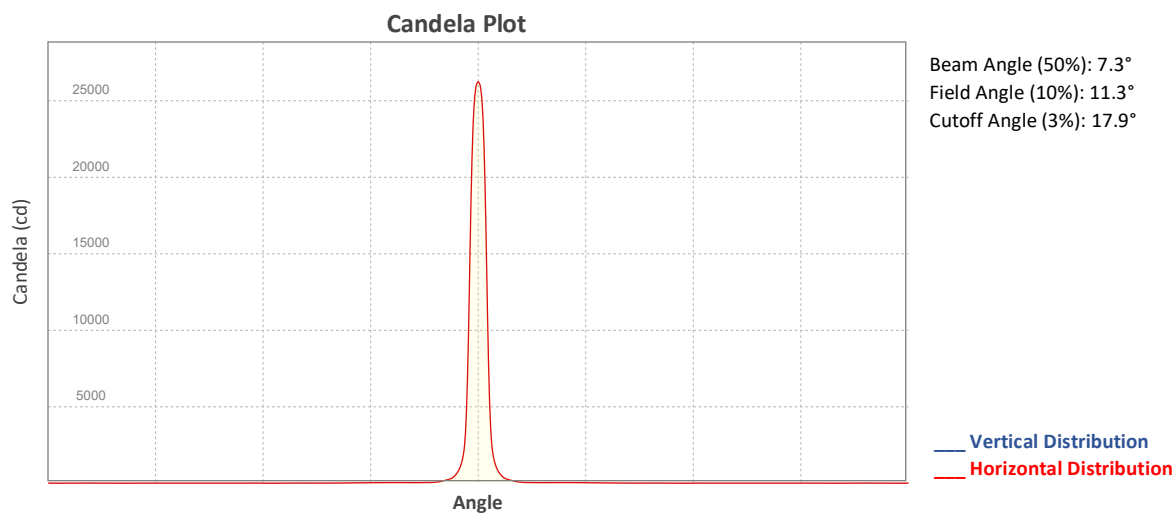


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	26219	6555	2913	1639	1049	728	535	410	324	262
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	217	182	155	134	117	102	91	81	73	66
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2436	609	271	152	97	68	50	38	30	24
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	20	17	14	12	11	10	8	8	7	6

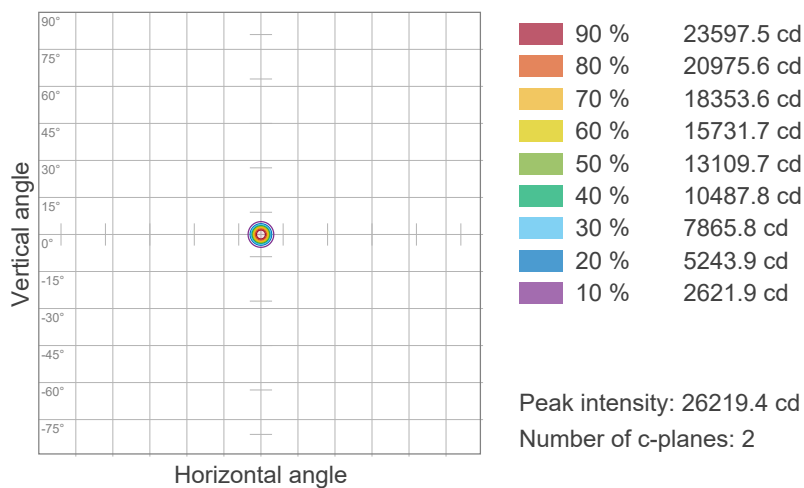
Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - Blue Only

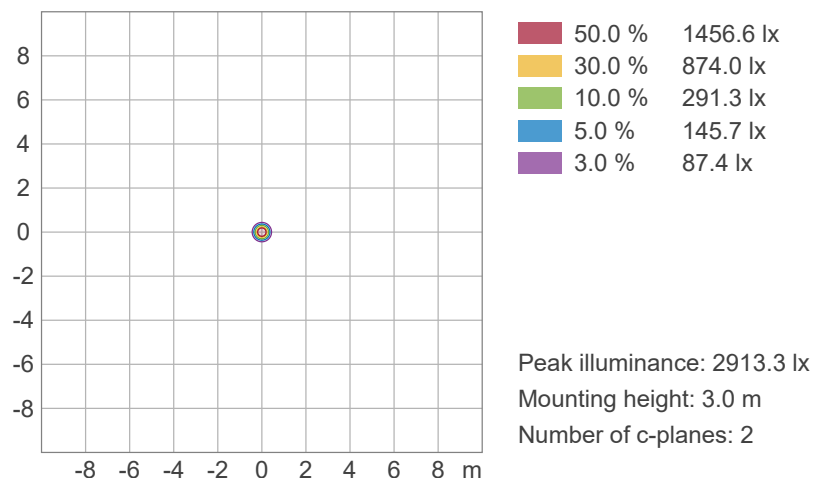


ISO Diagrams

ISO Candela Diagram



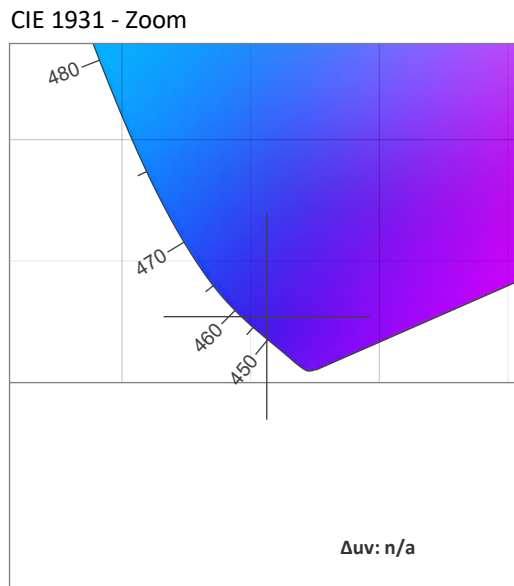
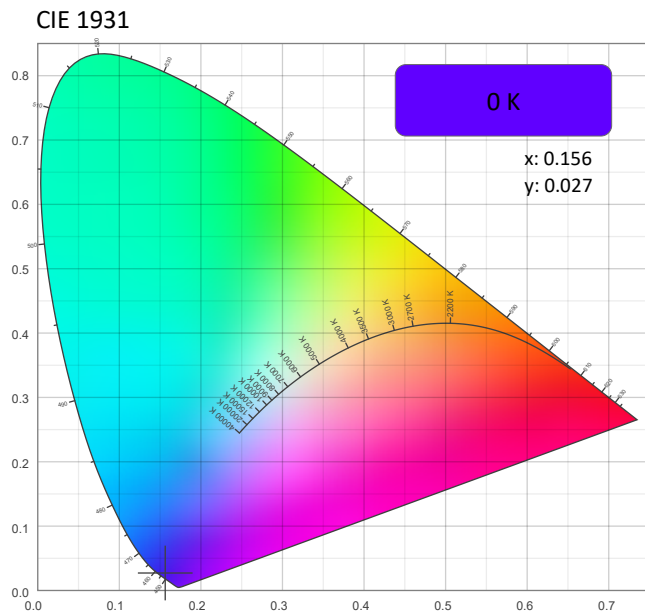
ISO Lux Diagram



Photometric & Chromaticity Report

Rogue R2X Wash: 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
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

CQS: 0.0

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

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.156	0.027

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.027	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

Rogue R2X Wash: Full Spot - Blue Only

TM-30 Details

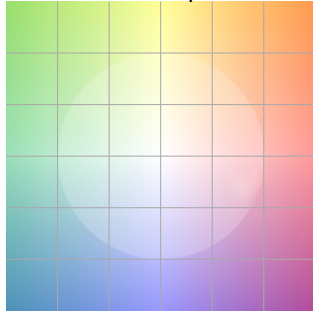
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index (Rg)

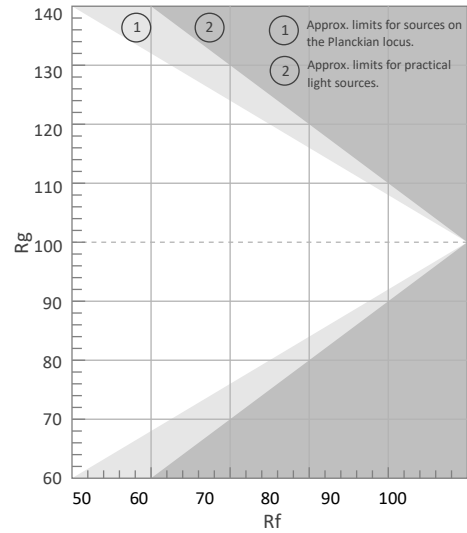
Color Vector Graphic



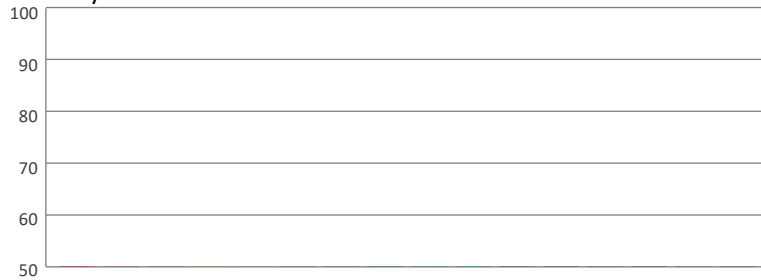
Color Distortion Graphic



		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%	



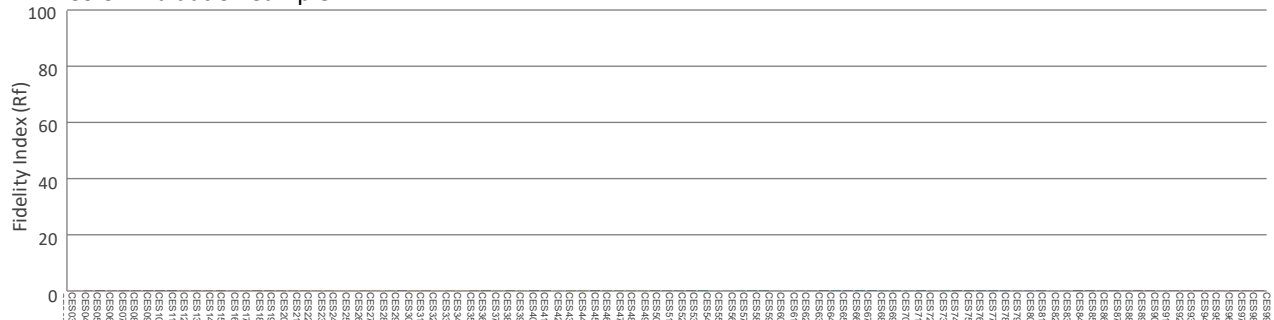
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - White Only

Report Summary

Measurements

Fixture Output: 3204 lm
Fixture Peak: 134781 cd
Fixture Efficacy: 26 lm/W
Intensity @ 5m: 5391 lux
Color Temperature: 6705 K
CRI: 69.7 CRI R9 Value: -10.2
CQS: 66.8
TLCI: 45
TM-30 Rf: 66.4
TM-30 Rg: 97.6
Beam Angle (50%): 7.4°
Field Angle (10%): 11.3°
Cutoff Angle (3%): 17.8°

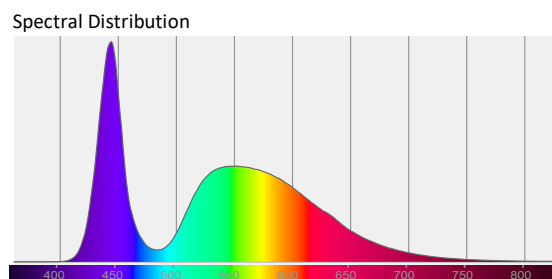
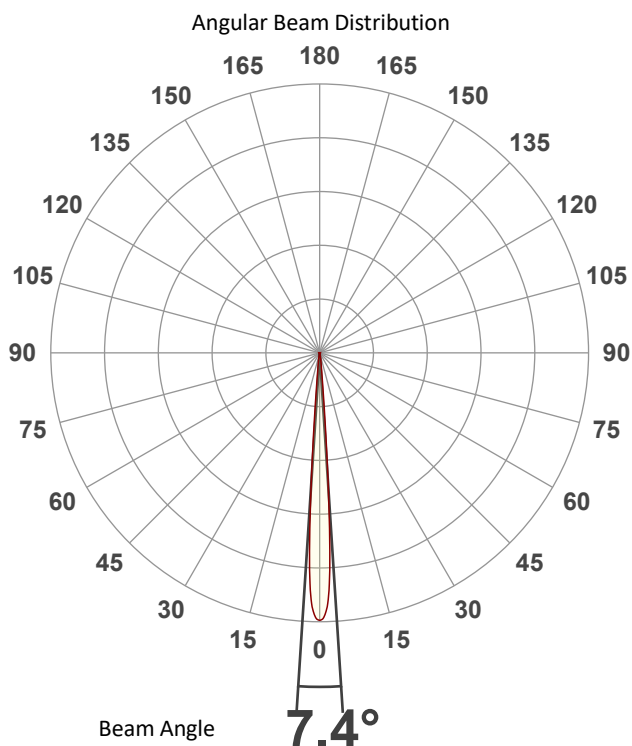


Conditions

AC Supply: 118 V, 60.1 Hz
Power: 126.47 W
Current: 1.07 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 Davie, FL on 7/26/2019 to LM-63-2002 Standards.

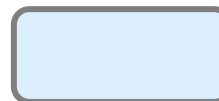
Overall Measurement



Tested Color (CIE 1931):

X: 0.312

Y: 0.312



Light Quality

CRI: 69.7

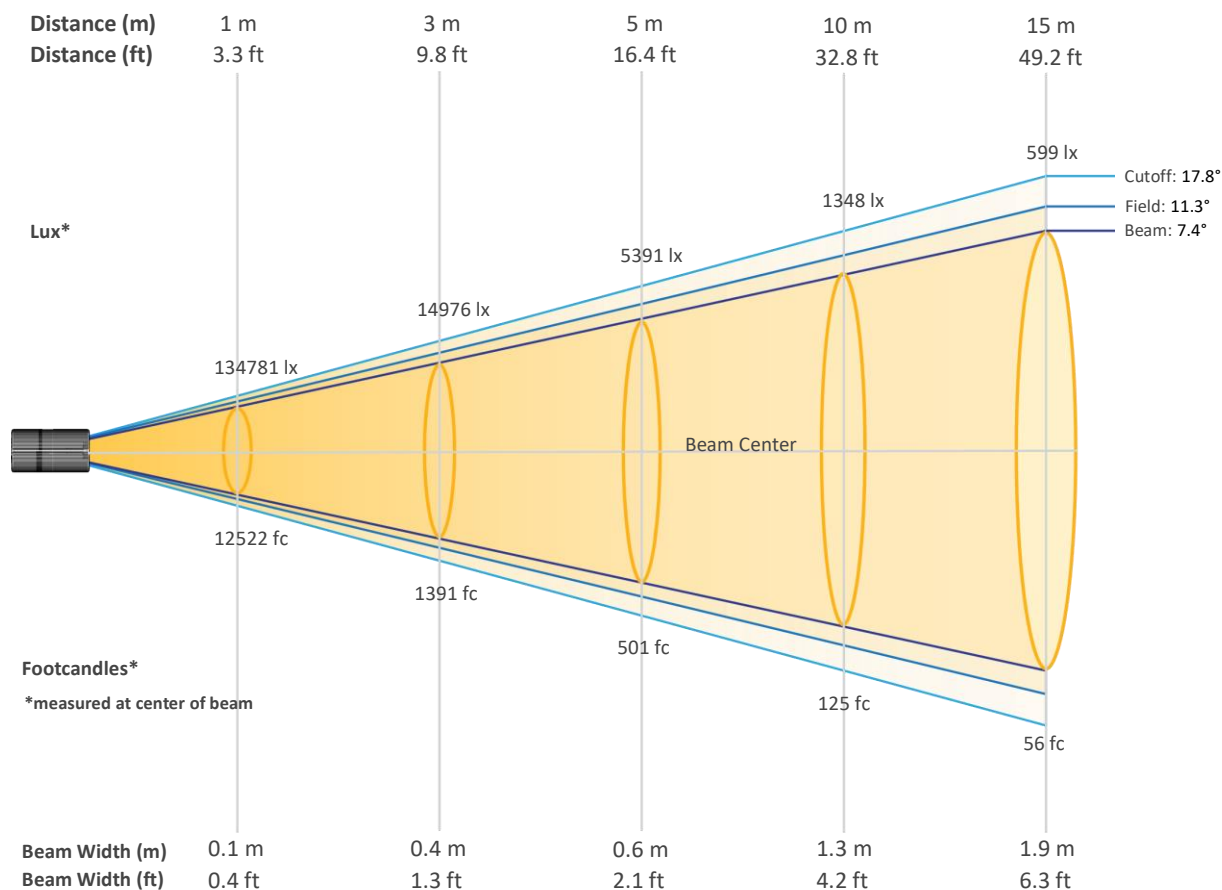
Color Temperature

6705 K

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - White Only

Beam Details

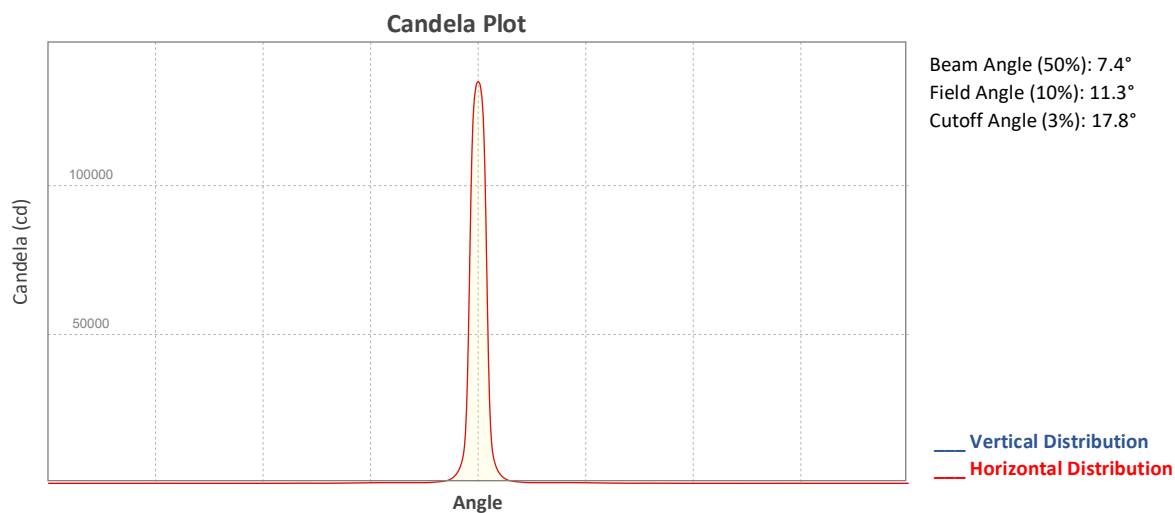


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	134781	33695	14976	8424	5391	3744	2751	2106	1664	1348
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1114	936	798	688	599	526	466	416	373	337
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	12522	3130	1391	783	501	348	256	196	155	125
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	103	87	74	64	56	49	43	39	35	31

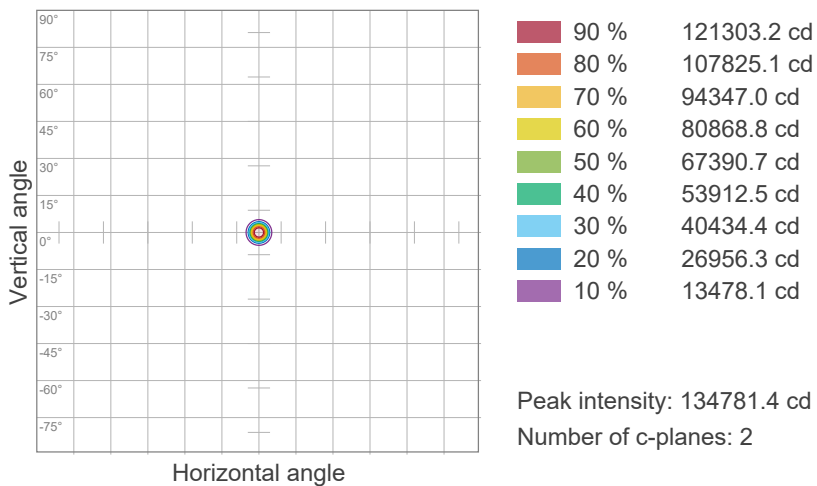
Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - White Only

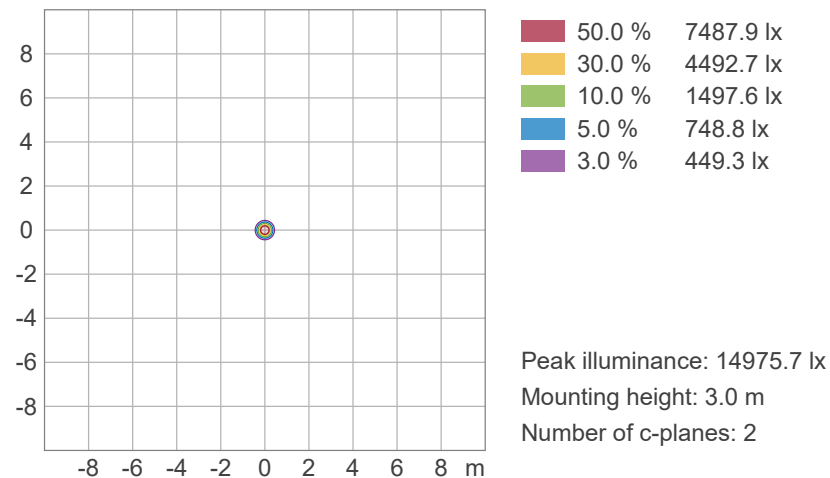


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

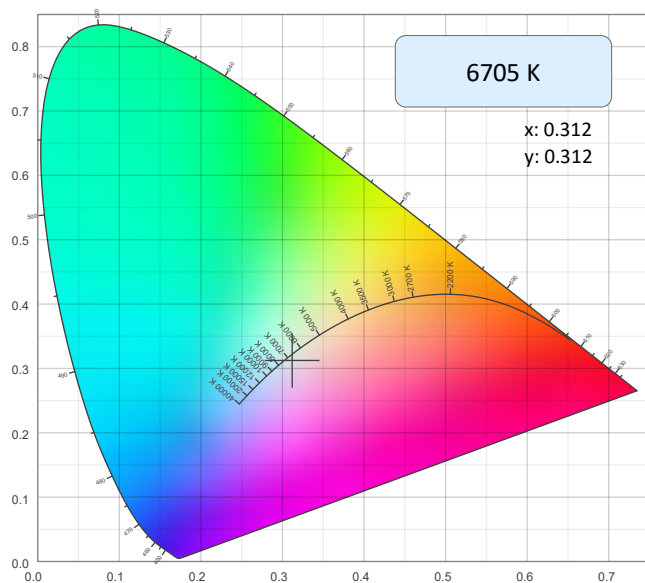


Photometric & Chromaticity Report

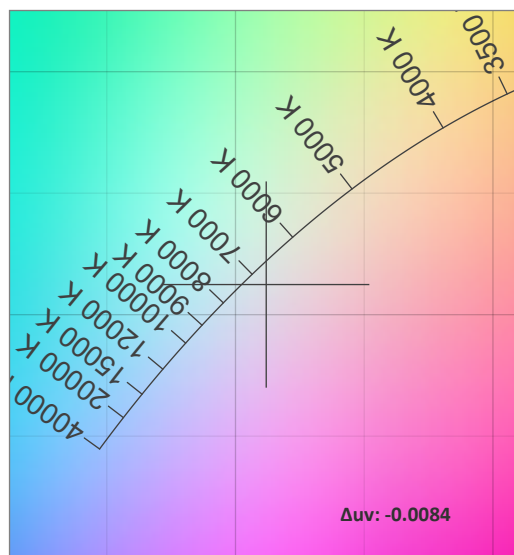
Rogue R2X Wash: Full Spot - White Only

Chromaticity

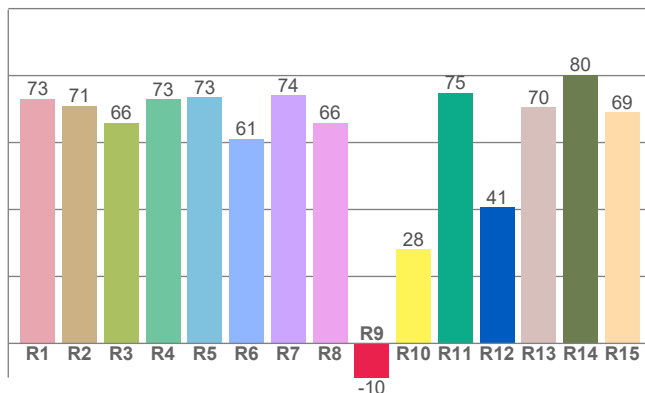
CIE 1931



CIE 1931 - Zoom



CRI: 69.7 (R1-R8)

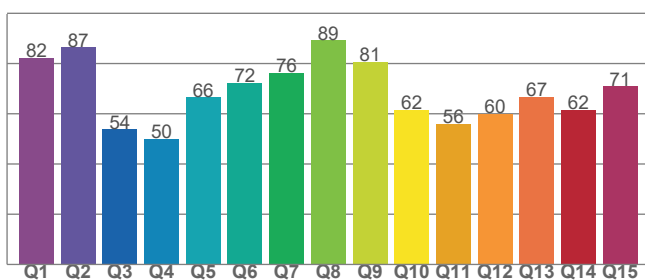


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6705 K	0.312	0.312

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0084	0.312	0.204

CQS: 66.8



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.7	-10.2	66.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
45	66.4	97.6

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - White Only

TM-30 Details

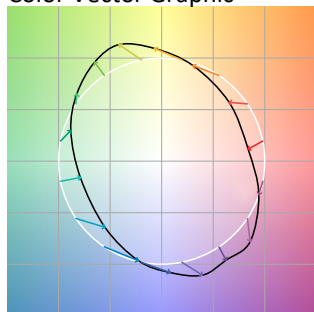
Rf 66.4

Fidelity Index
(Rg)

Rg 97.6

Gamut Index (Rg)

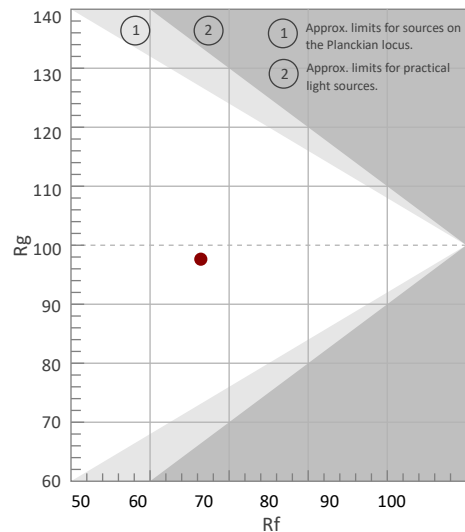
Color Vector Graphic



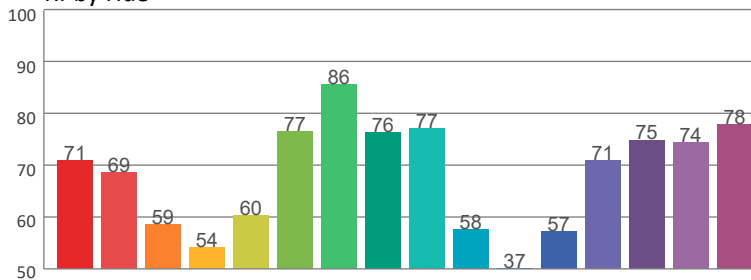
Color Distortion Graphic



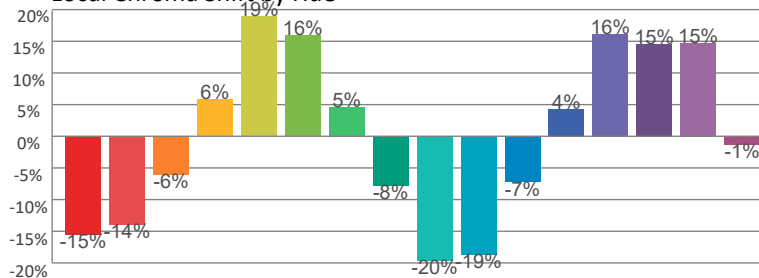
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	71	-15%	-5%
2	69	-14%	11%
3	59	-6%	26%
4	54	6%	28%
5	60	19%	18%
6	77	16%	1%
7	86	5%	-8%
8	76	-8%	-12%
9	77	-20%	0%
10	58	-19%	23%
11	37	-7%	35%
12	57	4%	29%
13	71	16%	17%
14	75	15%	-1%
15	74	15%	-17%
16	78	-1%	-13%



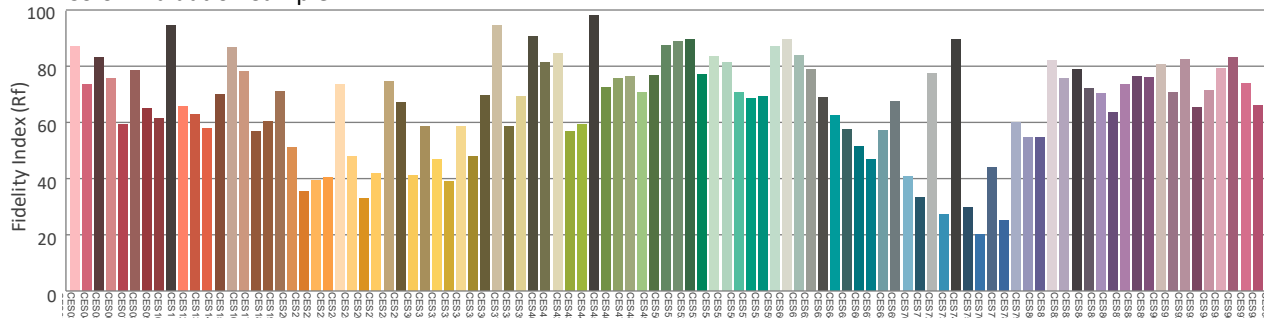
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - 6000K

Report Summary

Measurements

Fixture Output: 4946 lm
Fixture Peak: 185025 cd
Fixture Efficacy: 21 lm/W
Intensity @ 5m: 7401 lux
Color Temperature: 5915 K
CRI: 66.7 CRI R9 Value: -64.9
CQS: 81.6
TLCI: 48
TM-30 Rf: 76.5
TM-30 Rg: 121.0
Beam Angle (50%): 8.2°
Field Angle (10%): 11.8°
Cutoff Angle (3%): 18.1°

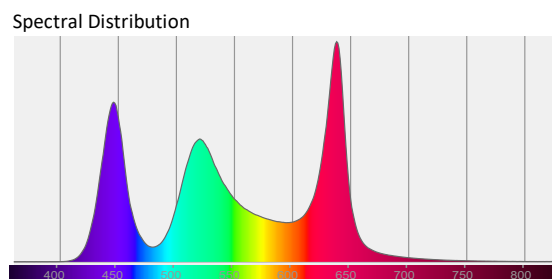
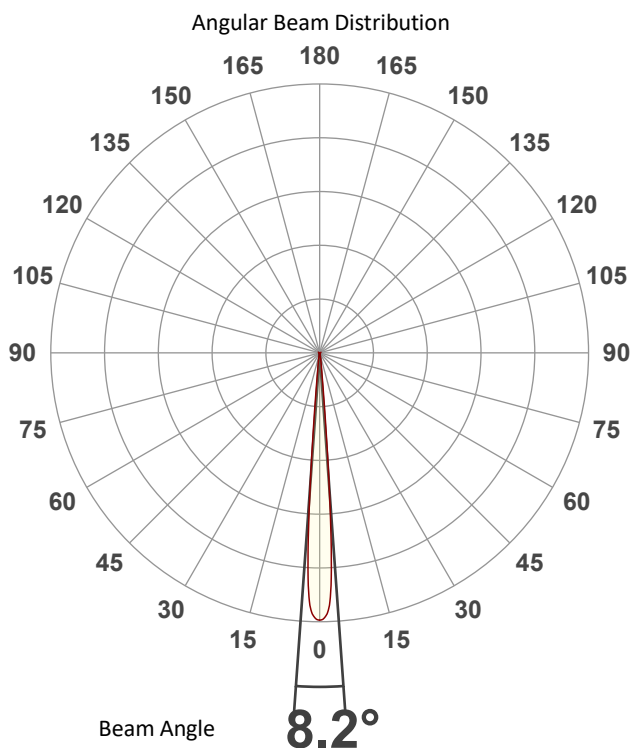


Conditions

AC Supply: 116 V, 60 Hz
Power: 242.34 W
Current: 2.09 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/31/2019 to LM-63-2002 Standards.

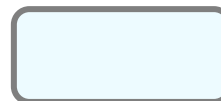
Overall Measurement



Tested Color (CIE 1931):

X: 0.324

Y: 0.328



Light Quality

CRI: 66.7

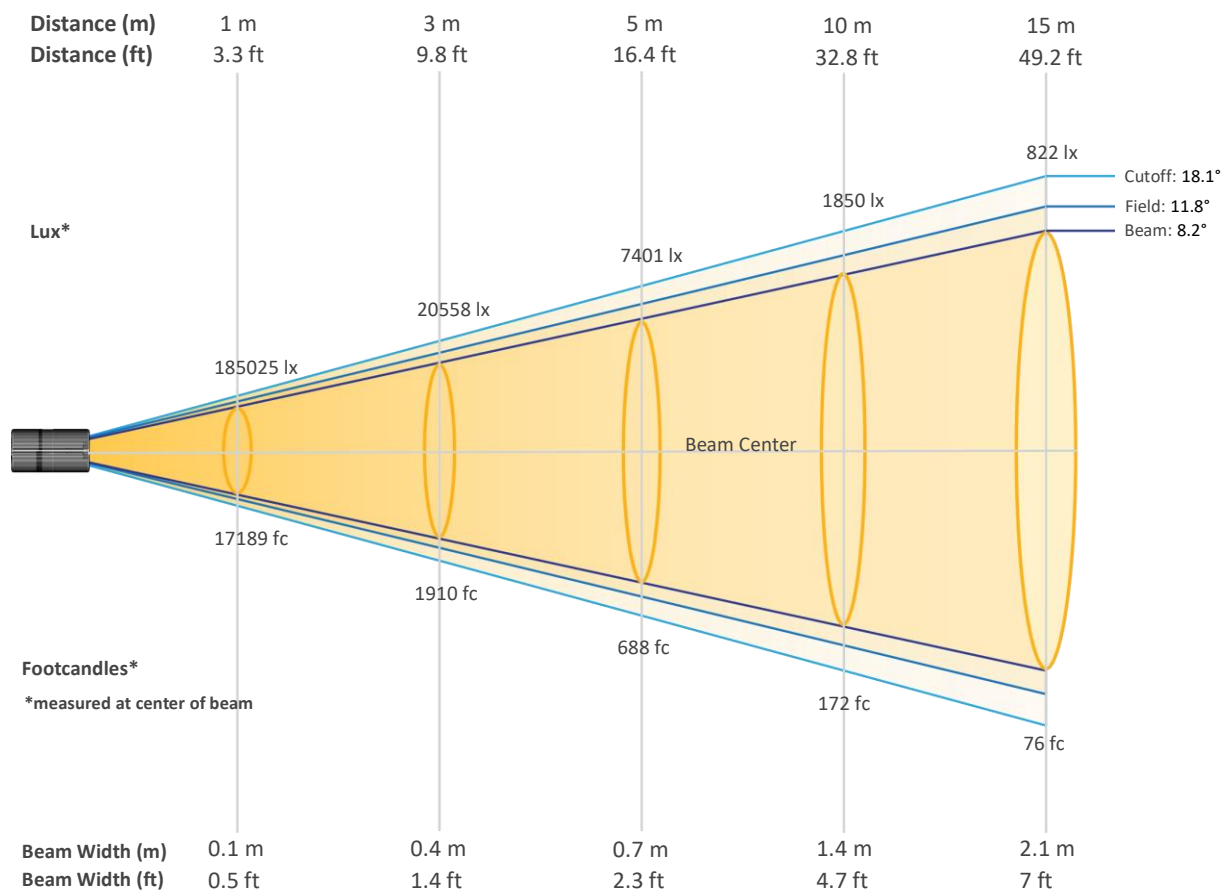
Color Temperature

5915 K

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - 6000K

Beam Details

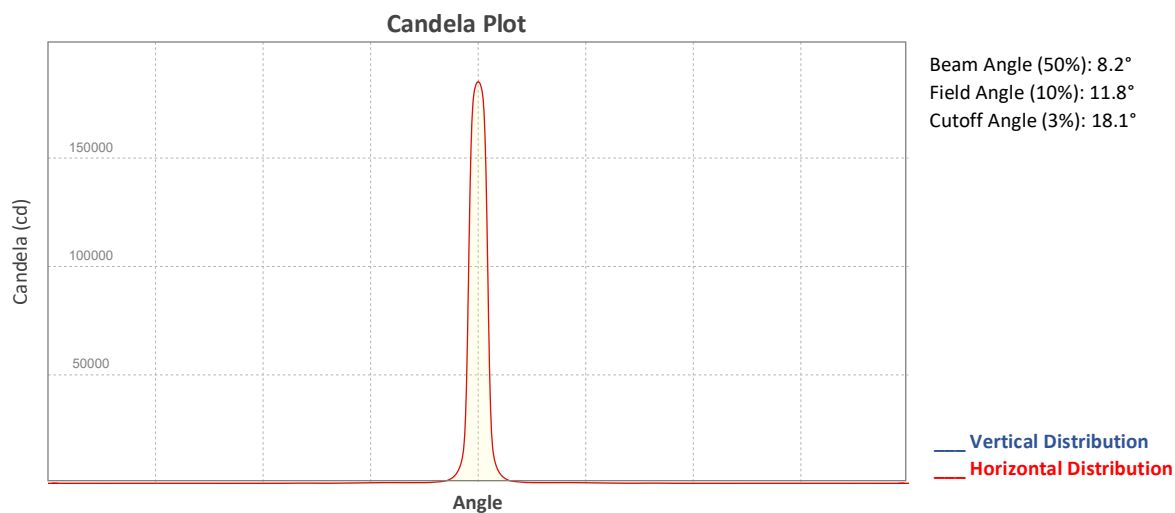


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	185025	46256	20558	11564	7401	5140	3776	2891	2284	1850
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1529	1285	1095	944	822	723	640	571	513	463
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	17189	4297	1910	1074	688	477	351	269	212	172
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	142	119	102	88	76	67	59	53	48	43

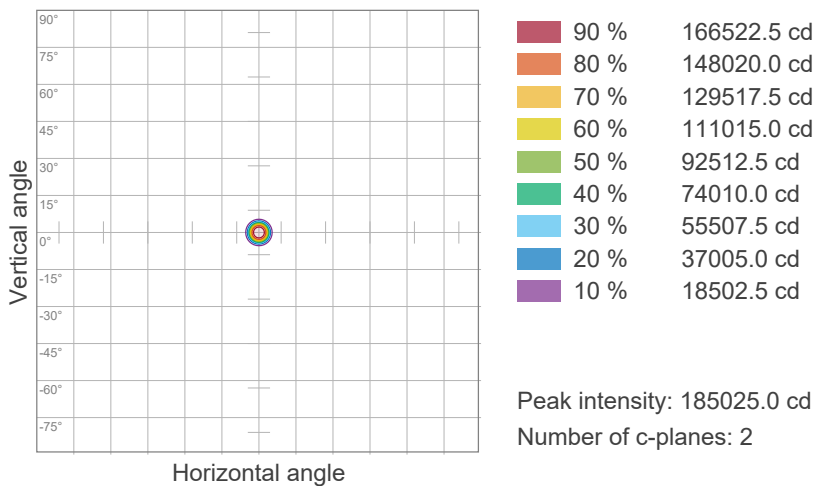
Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - 6000K

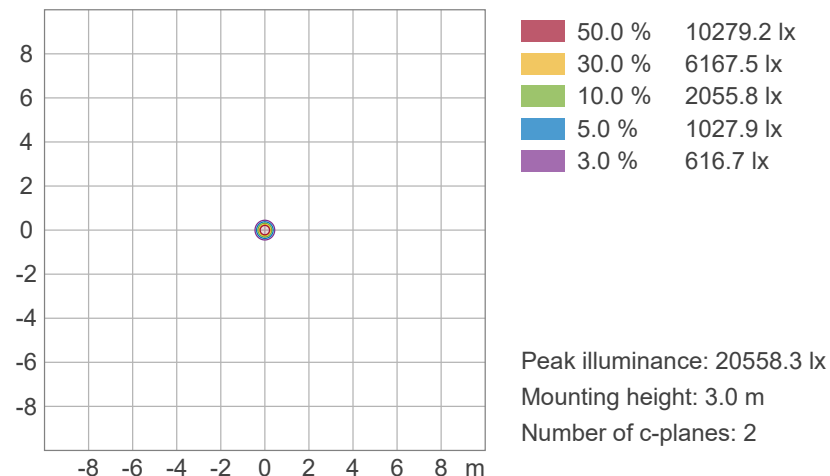


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

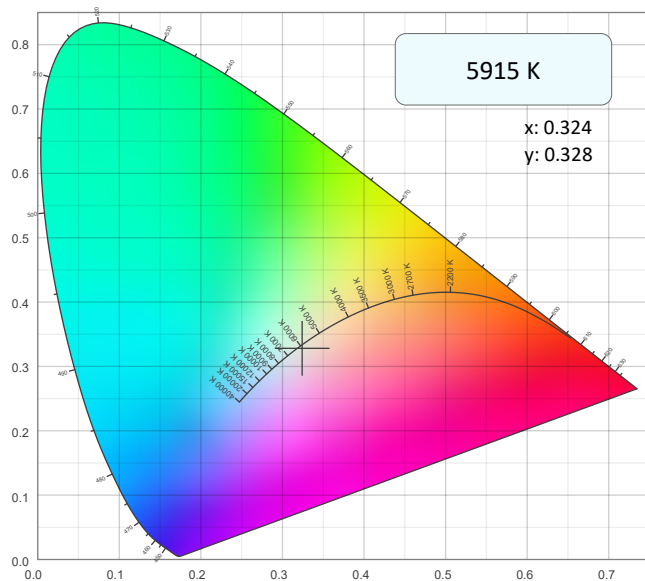


Photometric & Chromaticity Report

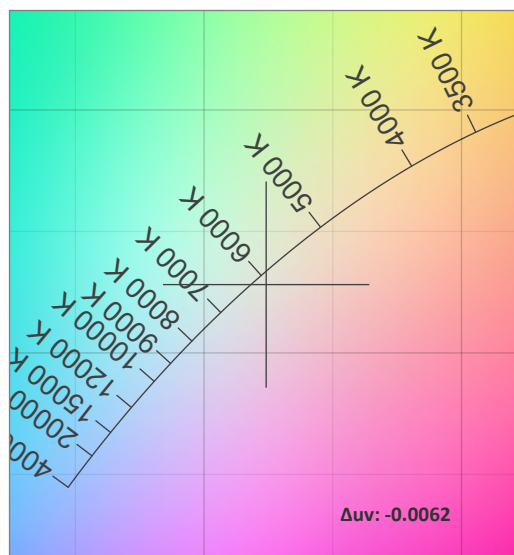
Rogue R2X Wash: Full Spot - 6000K

Chromaticity

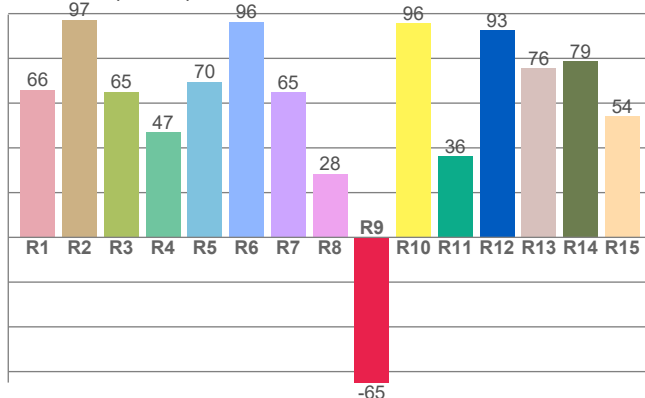
CIE 1931



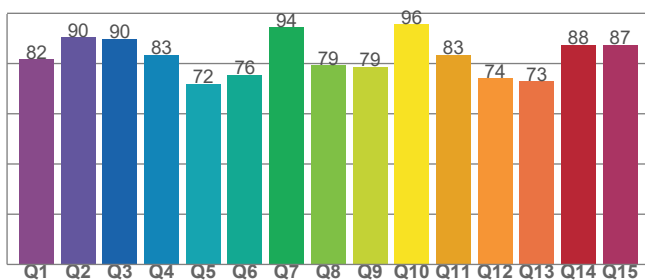
CIE 1931 - Zoom



CRI: 66.7 (R1-R8)



CQS: 81.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5915 K	0.324	0.328

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0062	0.328	0.206

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
66.7	-64.9	81.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
48	76.5	121.0

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - 6000K

TM-30 Details

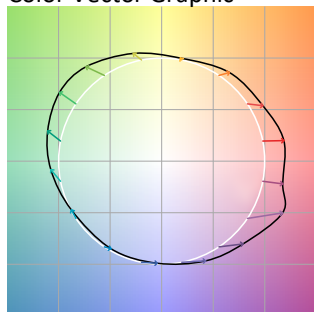
Rf 76.5

Fidelity Index
(Rg)

Rg 121.0

Gammut Index (Rg)

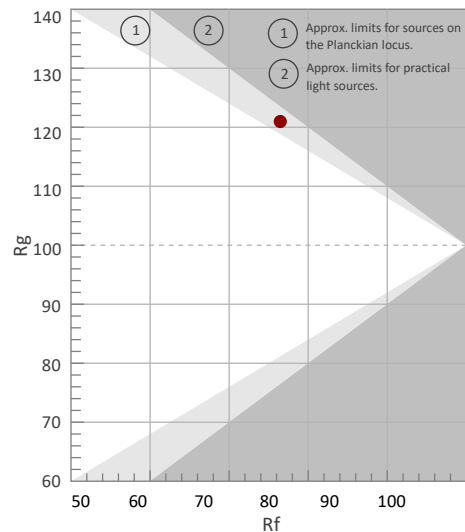
Color Vector Graphic



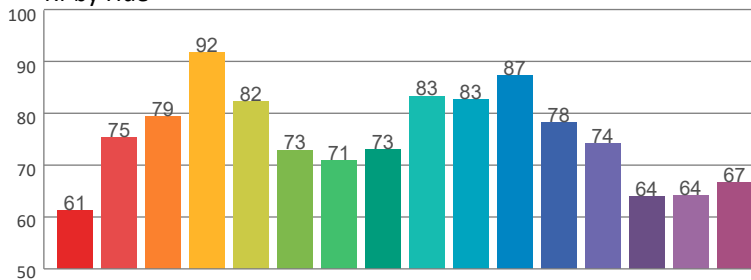
Color Distortion Graphic



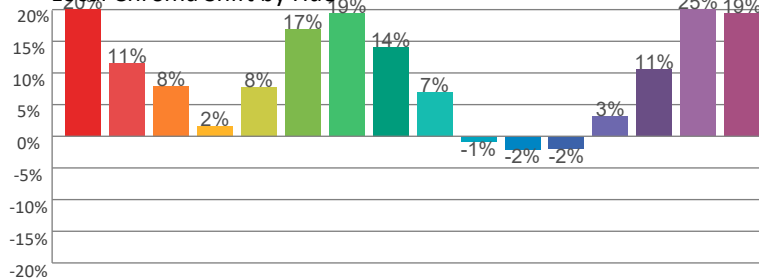
		Graphic shifts (%)	
Hue Bin	Rf	Chroma	Hue
1	61	20%	-4%
2	75	11%	-10%
3	79	8%	-7%
4	92	2%	2%
5	82	8%	7%
6	73	17%	10%
7	71	19%	0%
8	73	14%	-7%
9	83	7%	-13%
10	83	-1%	-9%
11	87	-2%	6%
12	78	-2%	15%
13	74	3%	23%
14	64	11%	21%
15	64	25%	23%
16	67	19%	1%



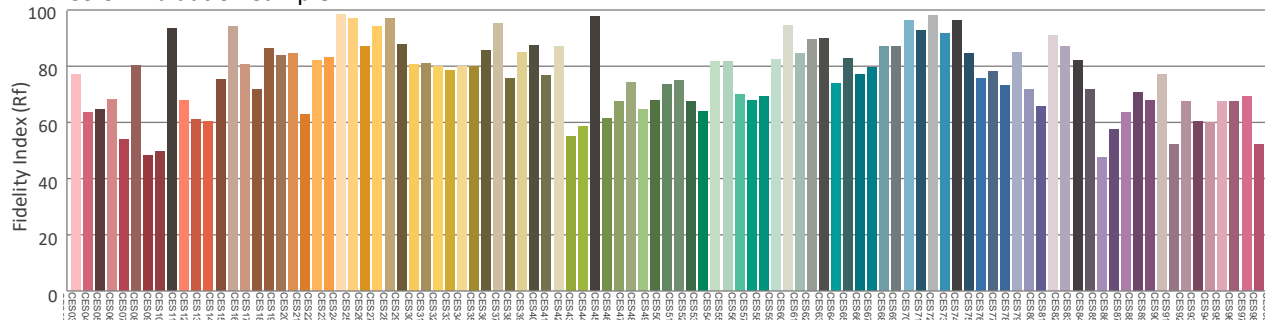
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - 7500K

Report Summary

Measurements

Fixture Output: 4649 lm
Fixture Peak: 180020 cd
Fixture Efficacy: 20 lm/W
Intensity @ 5m: 7201 lux
Color Temperature: 7395 K
CRI: 71.9 CRI R9 Value: -44.9
CQS: 84.4
TLCI: 59
TM-30 Rf: 78.8
TM-30 Rg: 117.4
Beam Angle (50%): 8.1°
Field Angle (10%): 11.7°
Cutoff Angle (3%): 17.7°

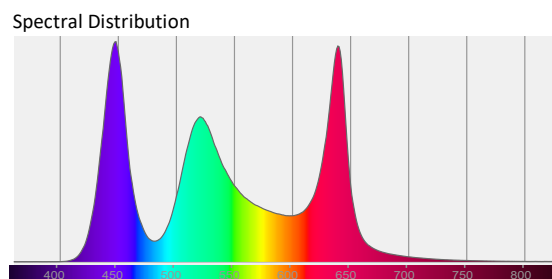
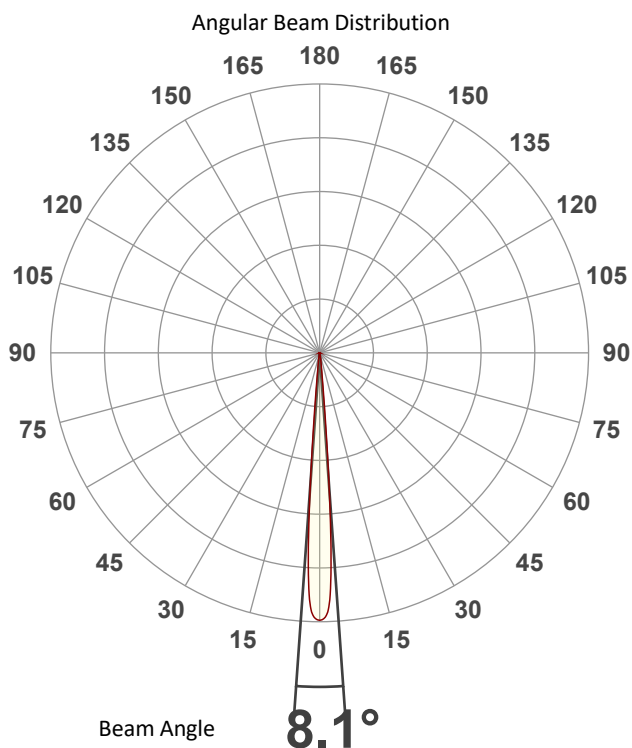


Conditions

AC Supply: 118 V, 60 Hz
Power: 228.09 W
Current: 1.94 A
Power Factor: 1.0

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 Davie, FL on 8/14/2019 to LM-63-2002 Standards.

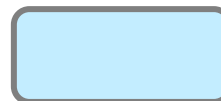
Overall Measurement



Tested Color (CIE 1931):

X: 0.302

Y: 0.311



Light Quality

CRI: 71.9

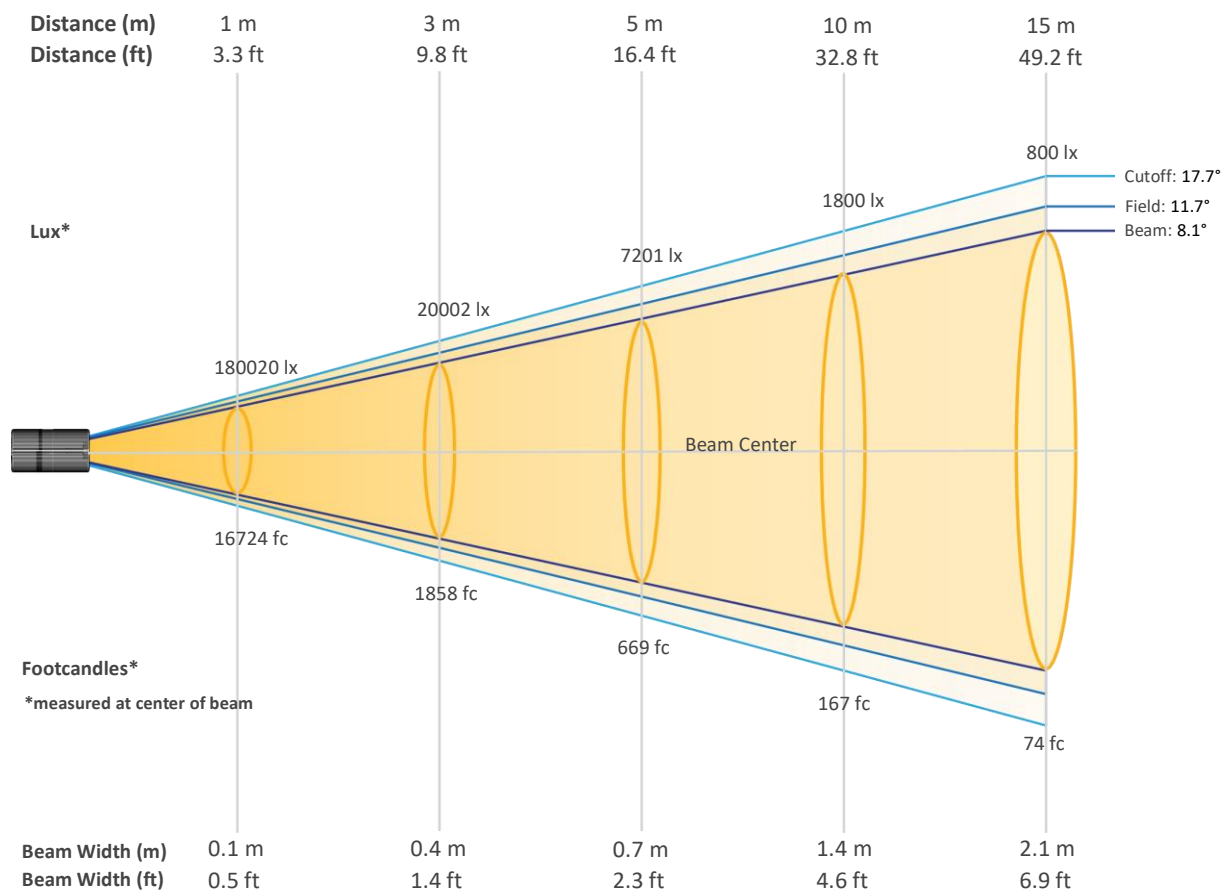
Color Temperature

7395 K

Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - 7500K

Beam Details

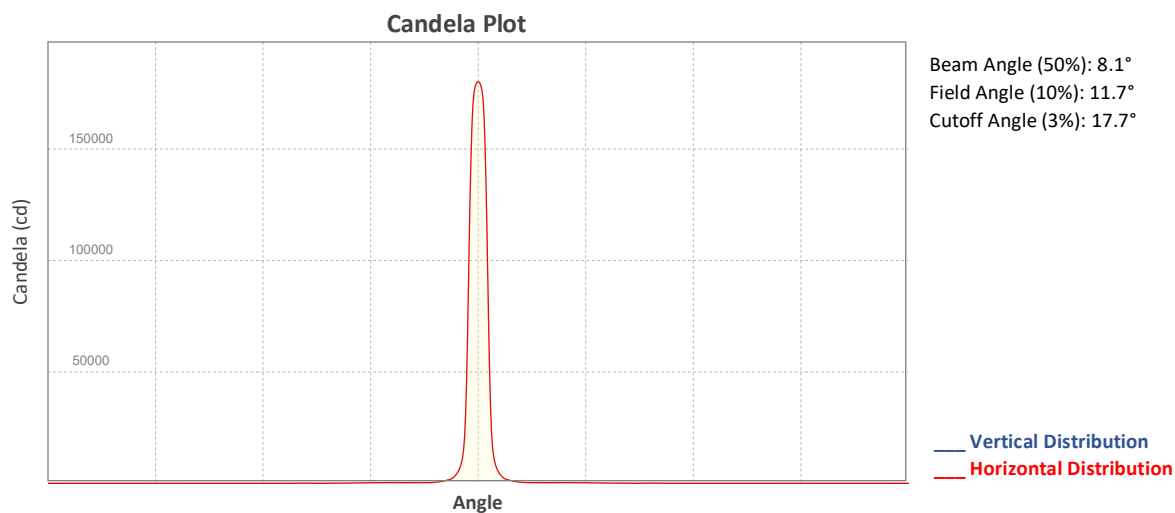


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	180020	45005	20002	11251	7201	5001	3674	2813	2222	1800
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1488	1250	1065	918	800	703	623	556	499	450
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	16724	4181	1858	1045	669	465	341	261	206	167
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	138	116	99	85	74	65	58	52	46	42

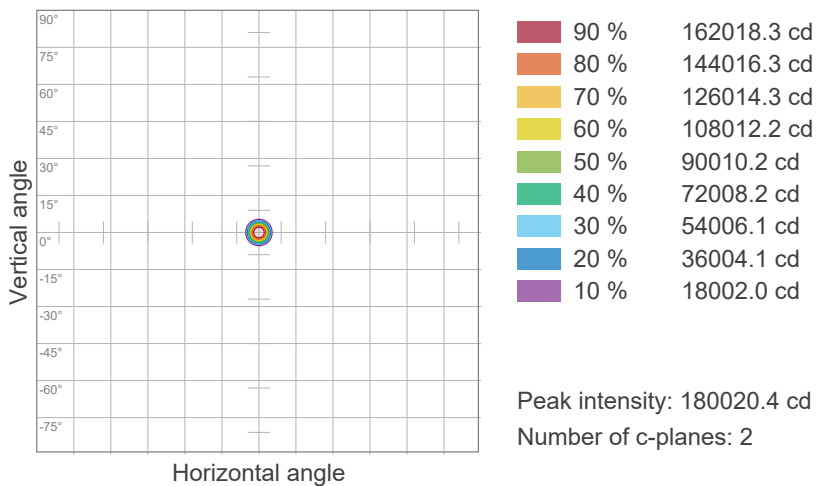
Photometric & Chromaticity Report

Rogue R2X Wash: Full Spot - 7500K

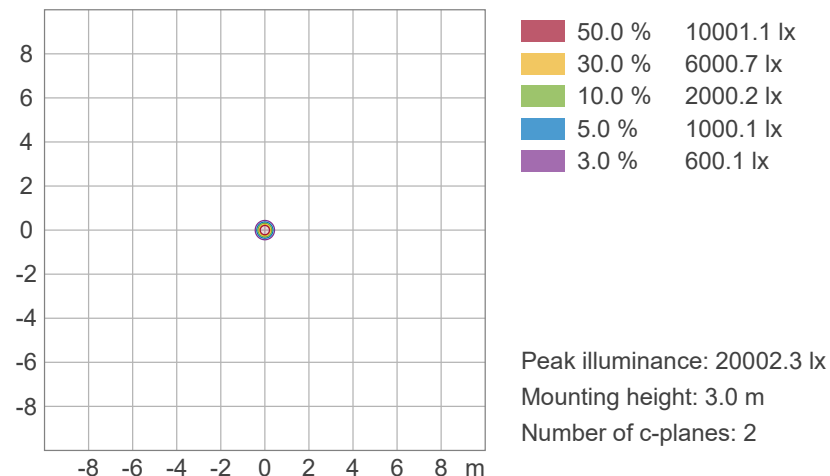


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

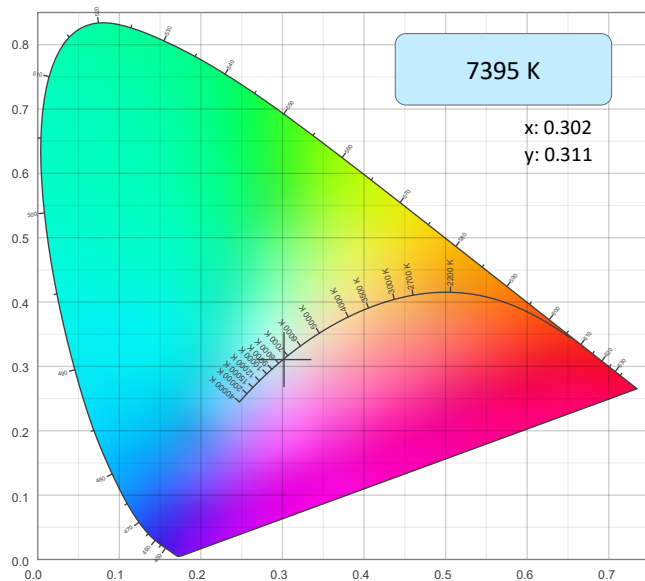


Photometric & Chromaticity Report

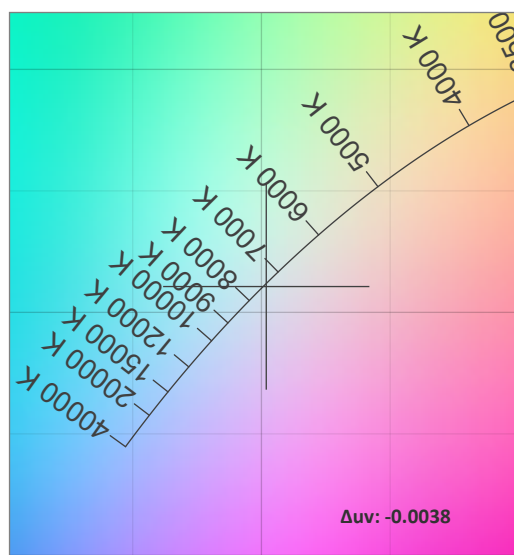
Rogue R2X Wash: Full Spot - 7500K

Chromaticity

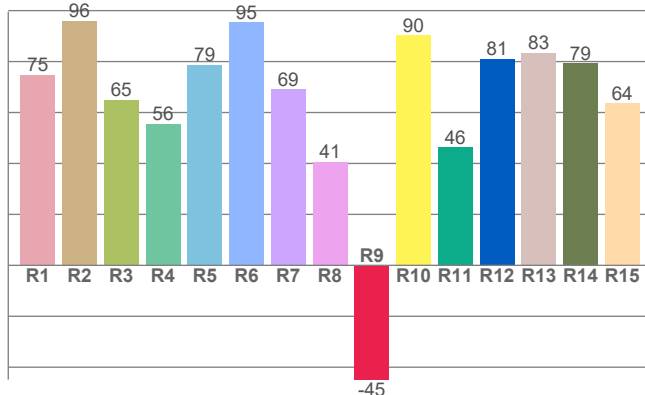
CIE 1931



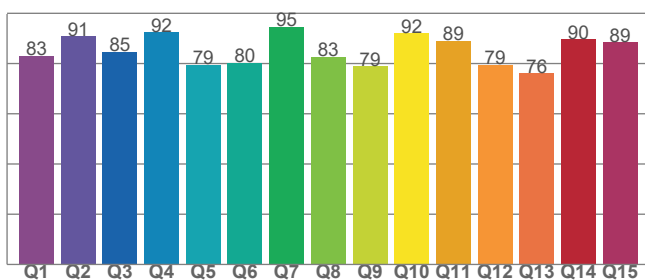
CIE 1931 - Zoom



CRI: 71.9 (R1-R8)



CQS: 84.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7395 K	0.302	0.311

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0038	0.311	0.197

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.9	-44.9	84.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
59	78.8	117.4

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TM-30 Details

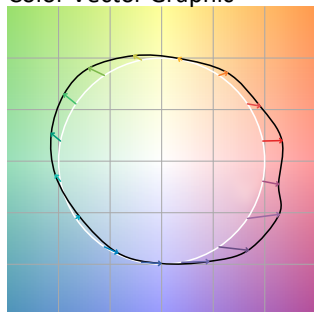
Rf 78.8

Fidelity Index
(Rg)

Rg 117.4

Gamut Index (Rg)

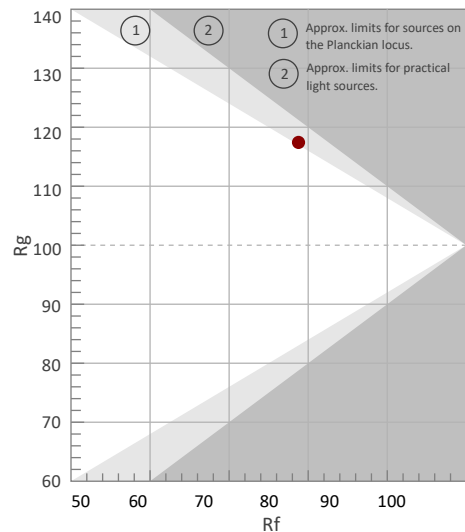
Color Vector Graphic



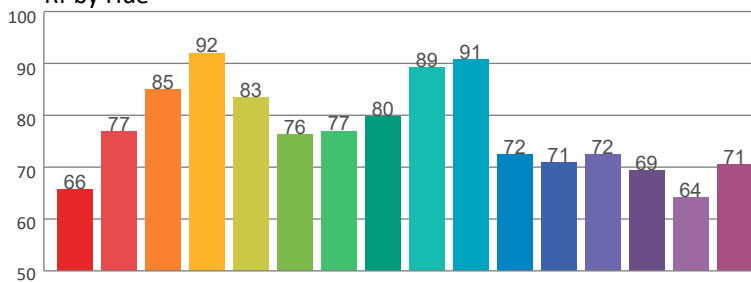
Color Distortion Graphic



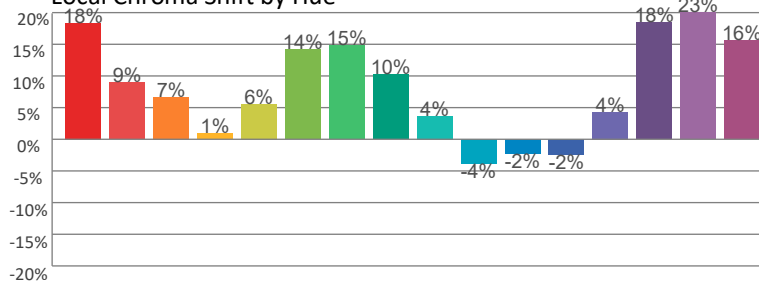
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	66	18%	-3%
2	77	9%	-8%
3	85	7%	-5%
4	92	1%	4%
5	83	6%	6%
6	76	14%	8%
7	77	15%	-1%
8	80	10%	-6%
9	89	4%	-7%
10	91	-4%	0%
11	72	-2%	14%
12	71	-2%	18%
13	72	4%	26%
14	69	18%	22%
15	64	23%	20%
16	71	16%	0%



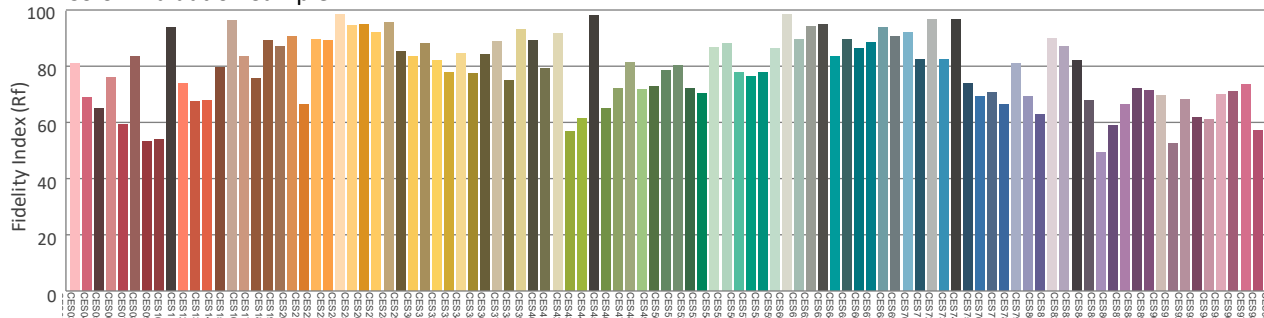
Rf by Hue



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.

