

PHOTOMETRICS REPORT

MAVERICK SILENS 2 PROFILE



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

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

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

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

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

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

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Flood, Full Power

Report Summary

Measurements

Fixture Output: 10549 lm
Fixture Peak: 16667 cd
Fixture Efficacy: 17 lm/W
Intensity @ 5m: 640 lux
Color Temperature: 5950 K
CRI: 94.7 CRI R9 Value: 84.2
CQS: 90.2
TLCI: 94
TM-30 Rf: 90.9
TM-30 Rg: 101.0
Beam Angle (50%): 50.8°
Field Angle (10%): 53.7°
Cutoff Angle (3%): 58°

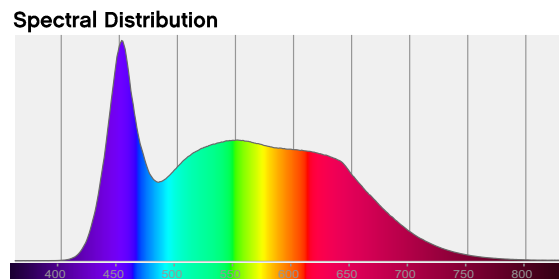
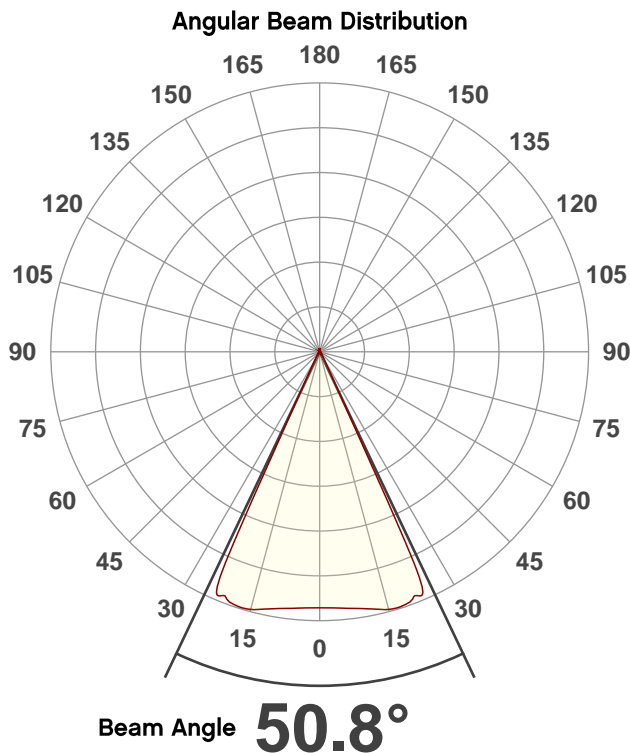
Conditions

AC Supply: 118 V, 60 Hz
Power: 629.56 W
Current: 5.35 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/12/2019 to LM-63-2002 Standards.

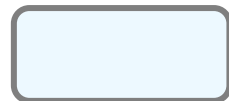
Overall Measurement



Tested Color (CIE 1931):

X: 0.324

Y: 0.326



Light Quality

CRI: 94.7

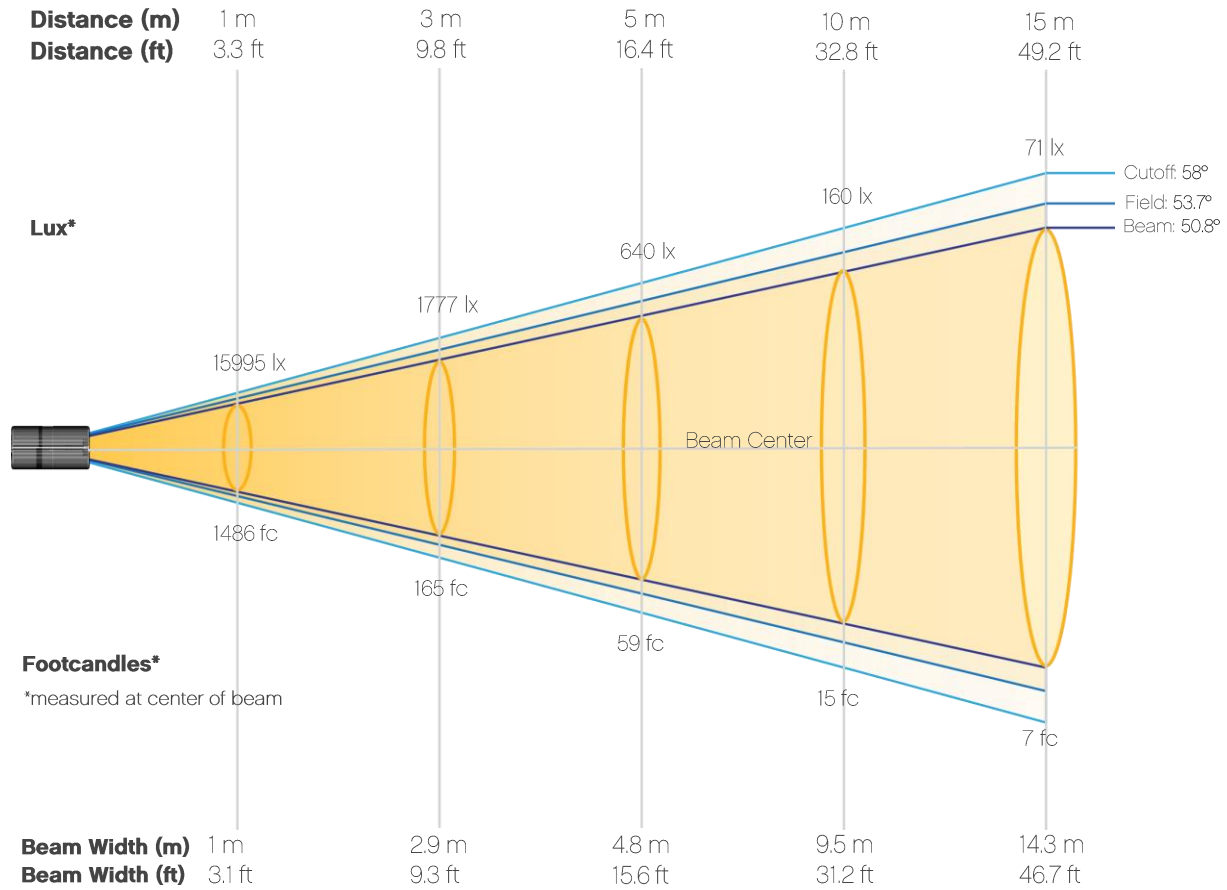
Color Temperature

5950 K

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Flood, Full Power

Beam Details

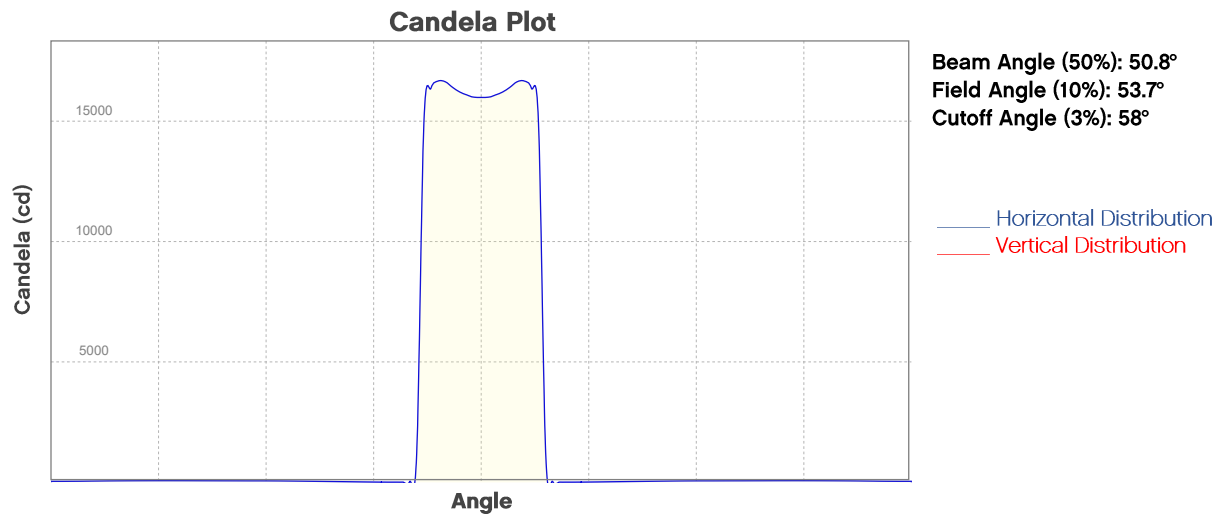


Beam Intensities from 1-20m (3.3-65.6ft)

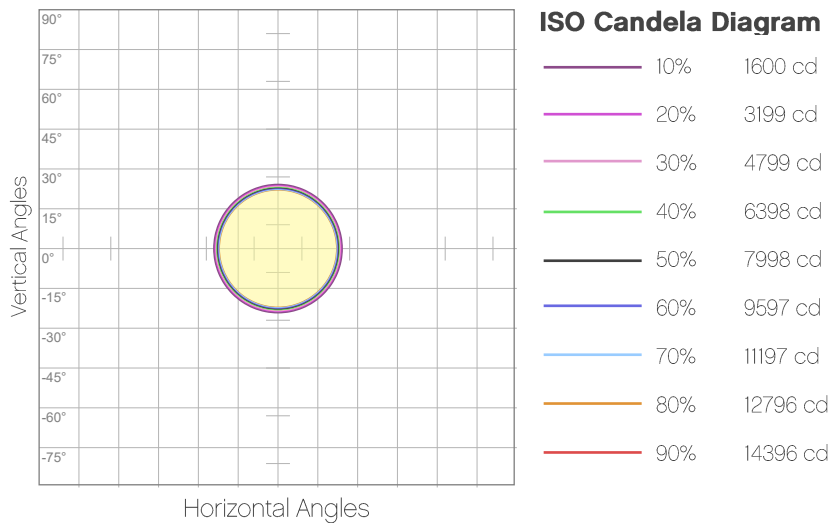
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15995	3999	1777	1000	640	444	326	250	197	160
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	132	111	95	82	71	62	55	49	44	40
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1486	371	165	93	59	41	30	23	18	15
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	12	10	9	8	7	6	5	5	4	4

Photometric & Chromaticity Report

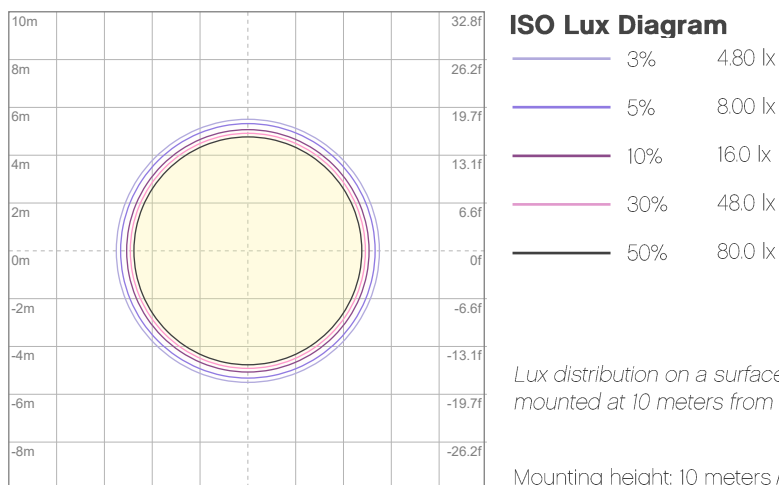
Maverick Silens 2 Profile: Full Flood, Full Power



ISO Diagrams



Conditions:
 Number of c-planes: 2
 Candela at center: 15995 cd



Conditions:
 Number of c-planes: 2
 Candela at center: 160 lx

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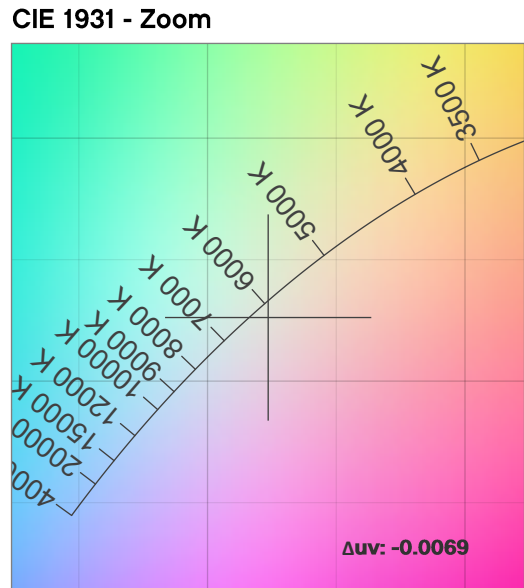
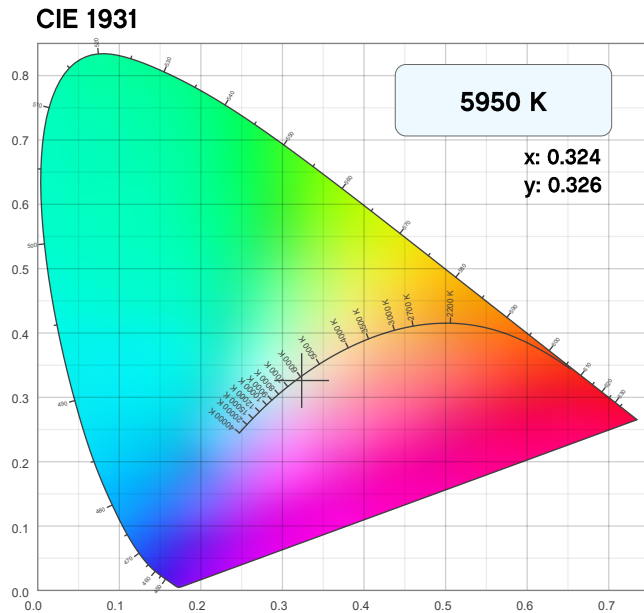
All product specifications, measurements and dimensions are subject to change without notice



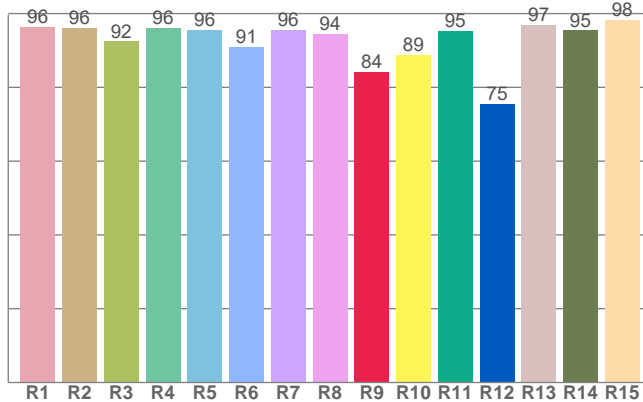
Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Flood, Full Power

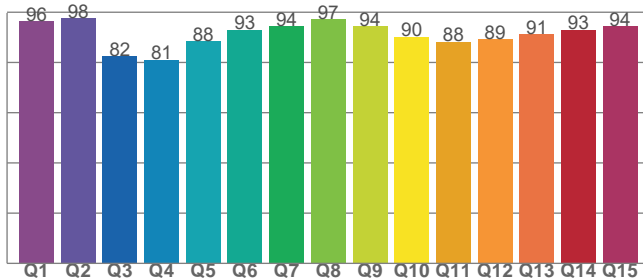
Chromaticity



CRI: 94.7 (R1-R8)



CQS: 90.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5950 K	0.324	0.326

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0069	0.326	0.207

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.7	84.2	90.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
94	90.9	101.0

Photometric & Chromaticity Report

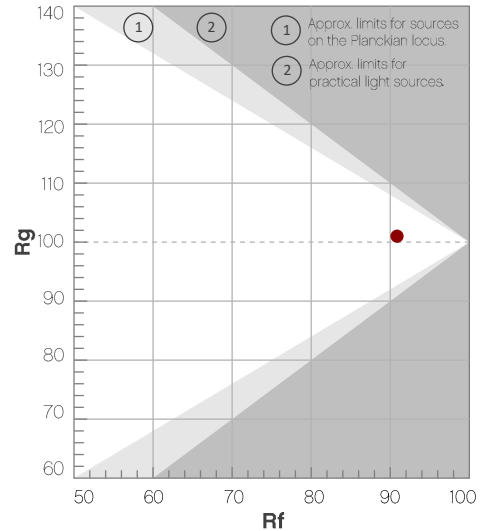
Maverick Silens 2 Profile: Full Flood, Full Power

TM-30 Details

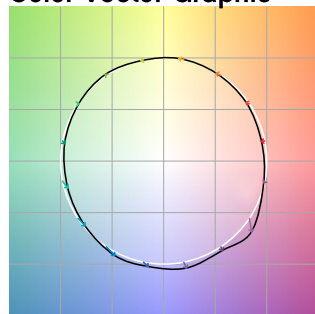
Rf 90.9
Fidelity Index
(R_g)

Rg 101.0
Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-3%	0%
2	93	-2%	3%
3	90	-1%	5%
4	91	0%	5%
5	91	0%	2%
6	96	1%	0%
7	97	-1%	-1%
8	94	-3%	2%
9	91	-4%	7%
10	84	-2%	10%
11	82	3%	11%
12	91	3%	5%
13	92	6%	1%
14	93	4%	-1%
15	86	9%	-10%
16	96	-1%	-2%



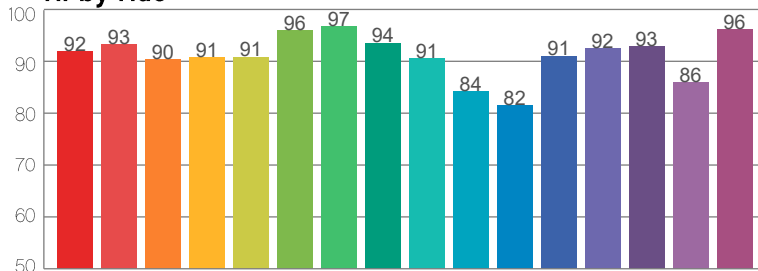
Color Vector Graphic



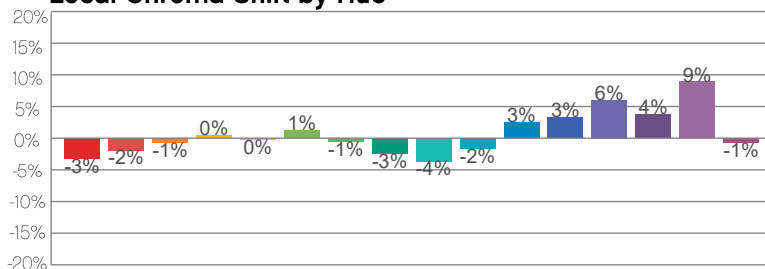
Color Distortion Graphic



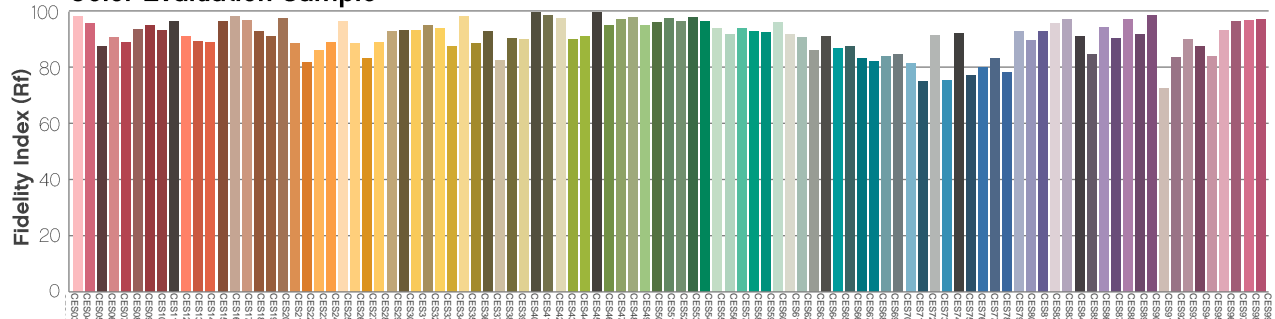
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 3200k

Report Summary

Measurements

Fixture Output: 5194 lm
Fixture Peak: 8248 cd
Fixture Efficacy: 9 lm/W
Intensity @ 5m: 319 lux
Color Temperature: 3197 K
CRI: 96.5 CRI R9 Value: 93.4
CQS: 96.4
TLCI: 97
TM-30 Rf: 95.4
TM-30 Rg: 102.0
Beam Angle (50%): 50.7°
Field Angle (10%): 53.7°
Cutoff Angle (3%): 57.9°

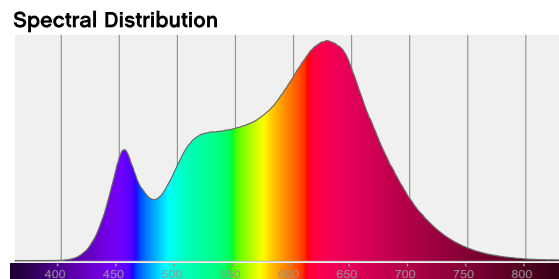
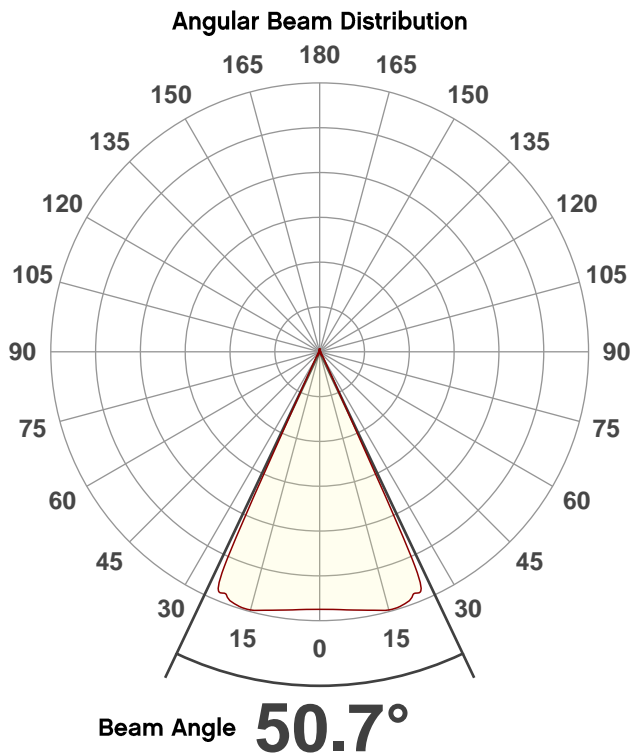
Conditions

AC Supply: 117 V, 60 Hz
Power: 603.47 W
Current: 5.14 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/12/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.421

Y: 0.393



Light Quality

CRI: 96.5



Color Temperature

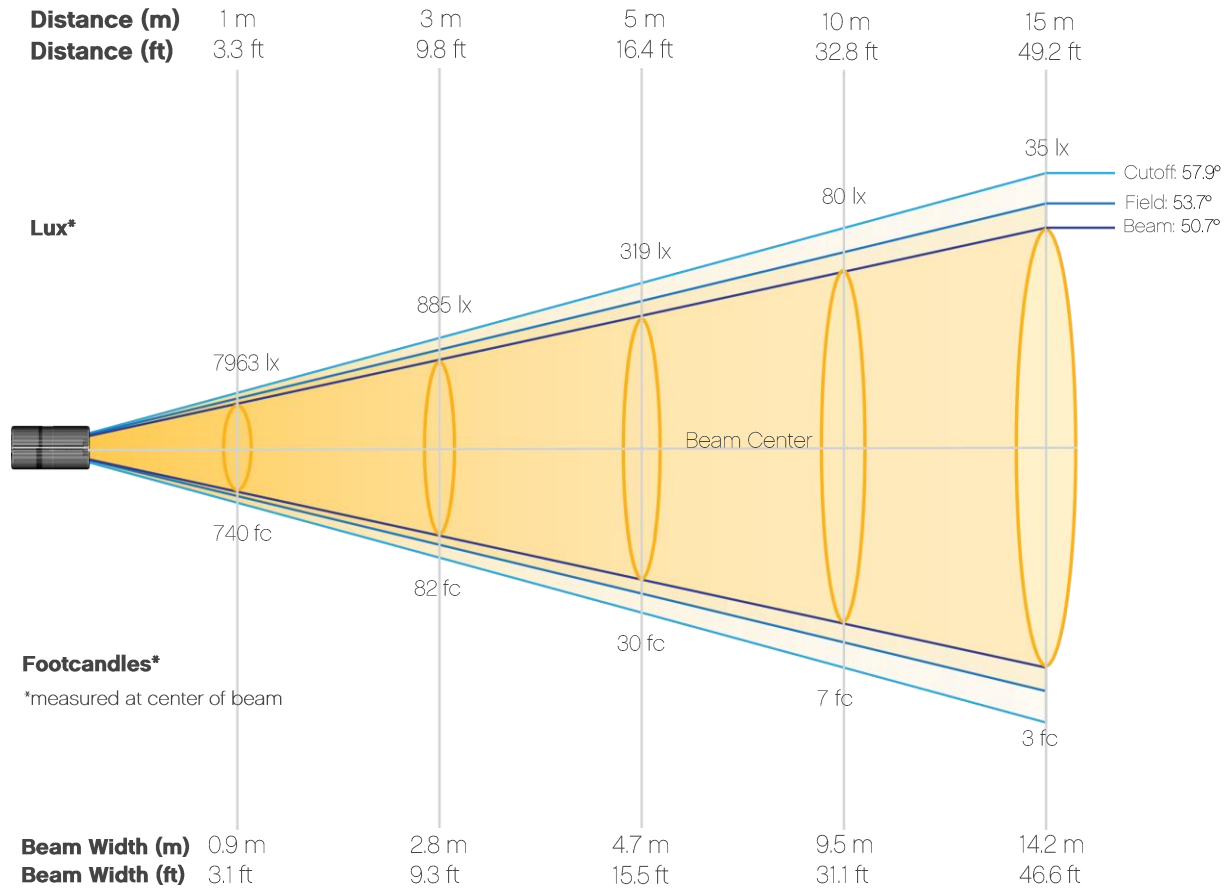
3197 K



Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 3200k

Beam Details

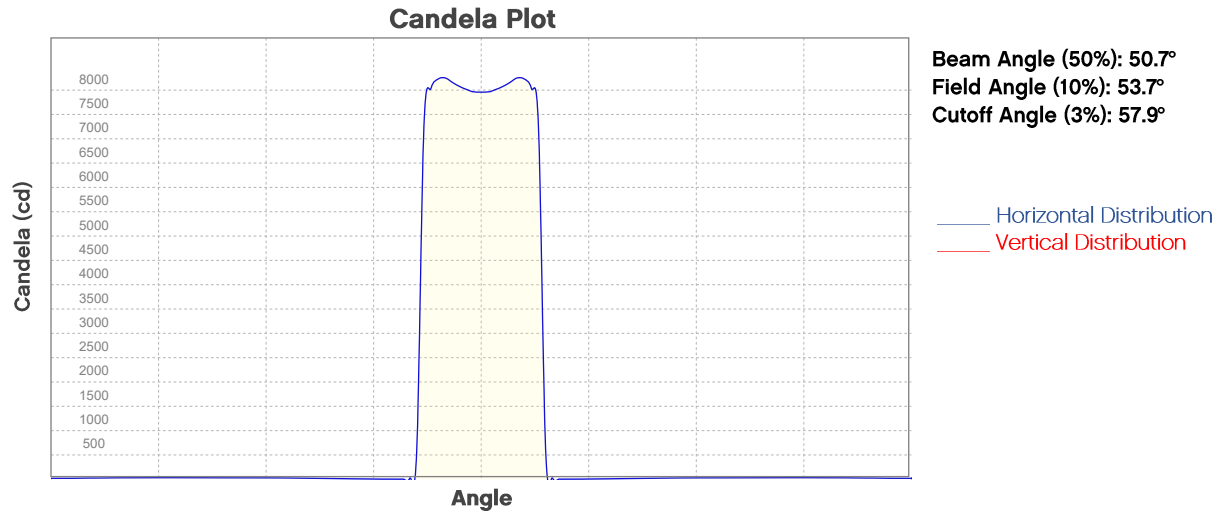


Beam Intensities from 1-20m (3.3-65.6ft)

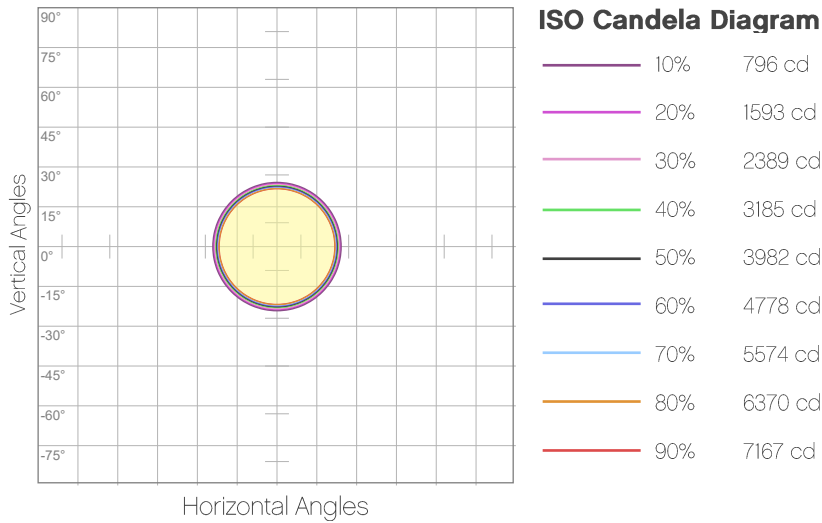
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7963	1991	885	498	319	221	163	124	98	80
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	66	55	47	41	35	31	28	25	22	20
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	740	185	82	46	30	21	15	12	9	7
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	6	5	4	4	3	3	3	2	2	2

Photometric & Chromaticity Report

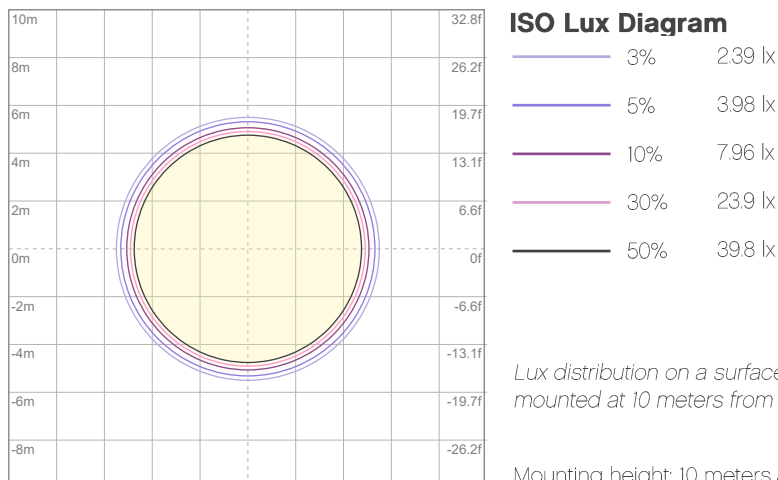
Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 3200k



ISO Diagrams



Conditions:
 Number of c-planes: 2
 Candela at center: 7963 cd



Conditions:
 Number of c-planes: 2
 Candela at center: 79.6 lx

Mounting height: 10 meters / 33 feet

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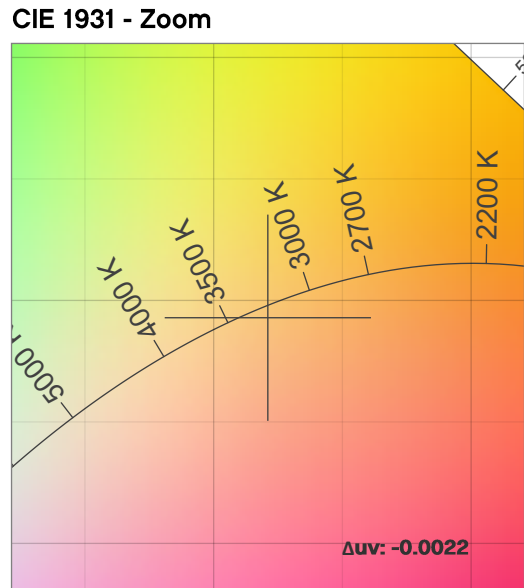
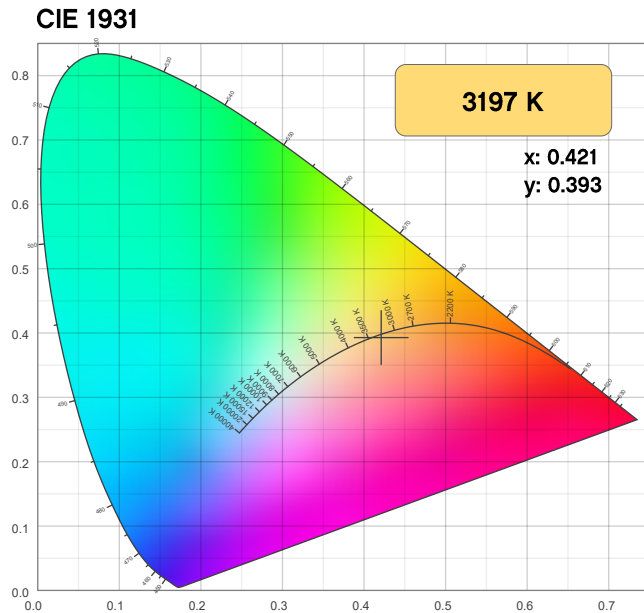
All product specifications, measurements and dimensions are subject to change without notice



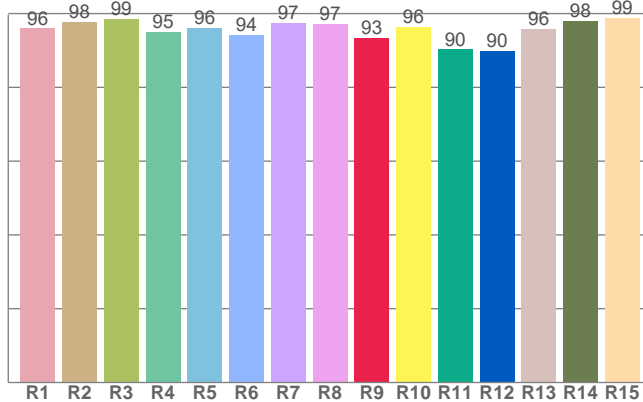
Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 3200k

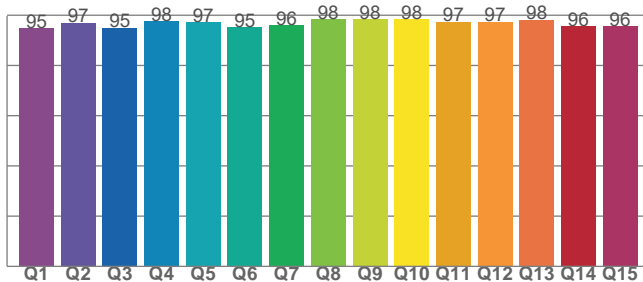
Chromaticity



CRI: 96.5 (R1-R8)



CQS: 96.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3197 K	0.421	0.393

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0022	0.393	0.245

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.5	93.4	96.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
97	95.4	102.0

Photometric & Chromaticity Report

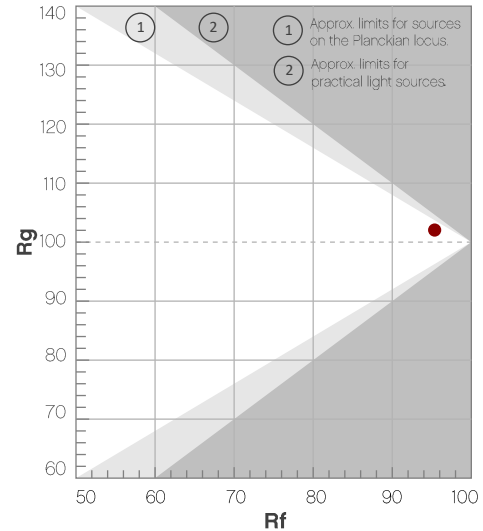
Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 3200k

TM-30 Details

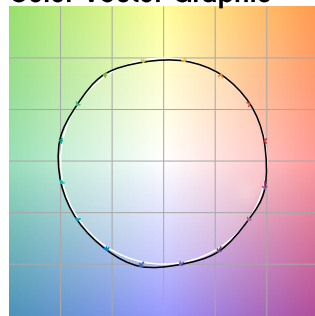
Rf 95.4
Fidelity Index
(R_f)

Rg 102.0
Gammut Index
(R_g)

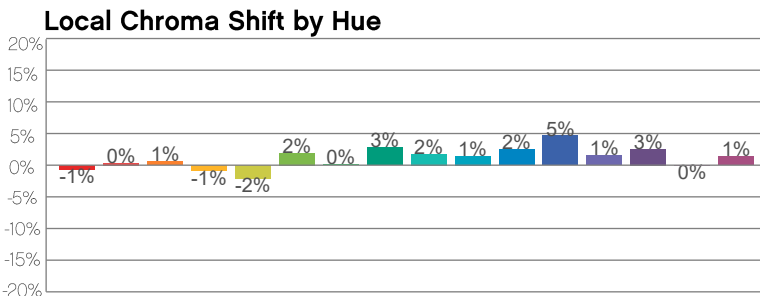
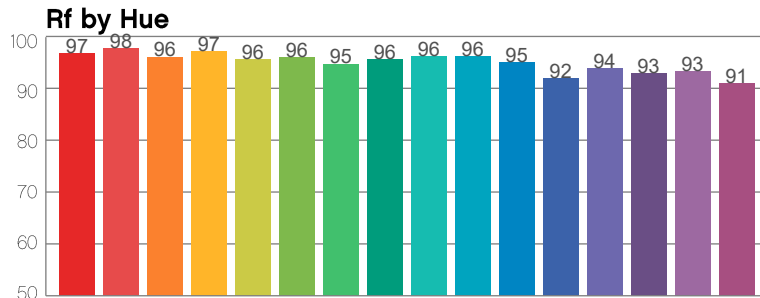
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	98	0%	0%
3	96	1%	0%
4	97	-1%	-1%
5	96	-2%	1%
6	96	2%	2%
7	95	0%	2%
8	96	3%	0%
9	96	2%	2%
10	96	1%	2%
11	95	2%	2%
12	92	5%	-2%
13	94	1%	-4%
14	93	3%	-5%
15	93	0%	-2%
16	91	1%	-7%



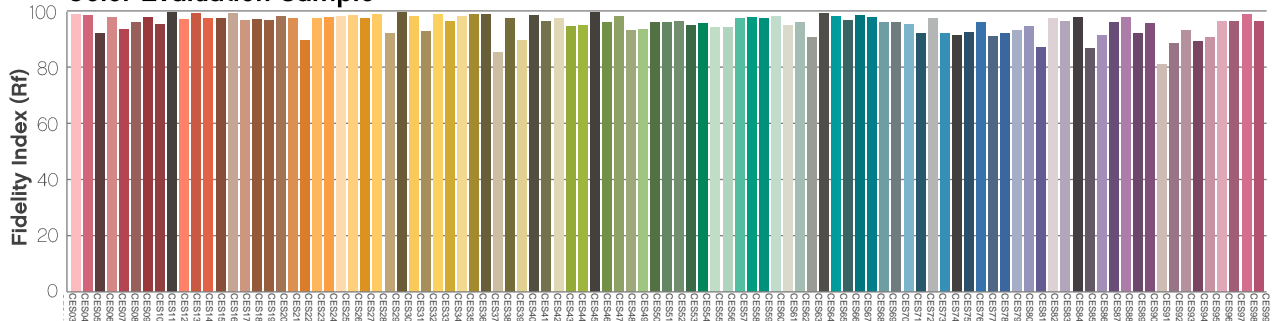
Color Vector Graphic



Color Distortion Graphic



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 5600K

Report Summary

Measurements

Fixture Output: 8603 lm
Fixture Peak: 13484 cd
Fixture Efficacy: 15 lm/W
Intensity @ 5m: 522 lux
Color Temperature: 5616 K
CRI: 96.0 CRI R9 Value: 91.2
CQS: 91.4
TLCI: 97
TM-30 Rf: 91.7
TM-30 Rg: 101.0
Beam Angle (50%): 51.2°
Field Angle (10%): 54.9°
Cutoff Angle (3%): 59.3°

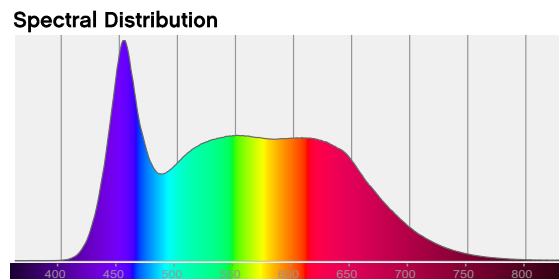
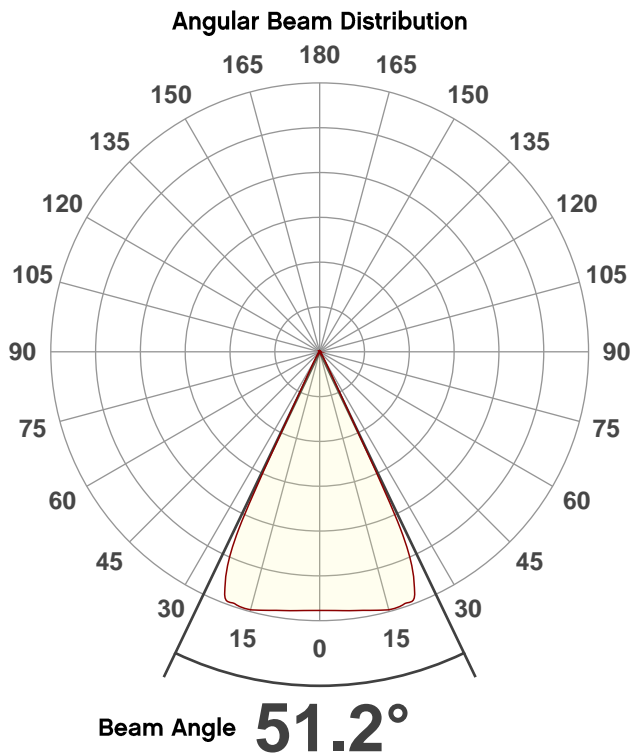
Conditions

AC Supply: 118 V, 60 Hz
Power: 591.69 W
Current: 5.04 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/12/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.330

Y: 0.329

Light Quality

CRI: 96.0

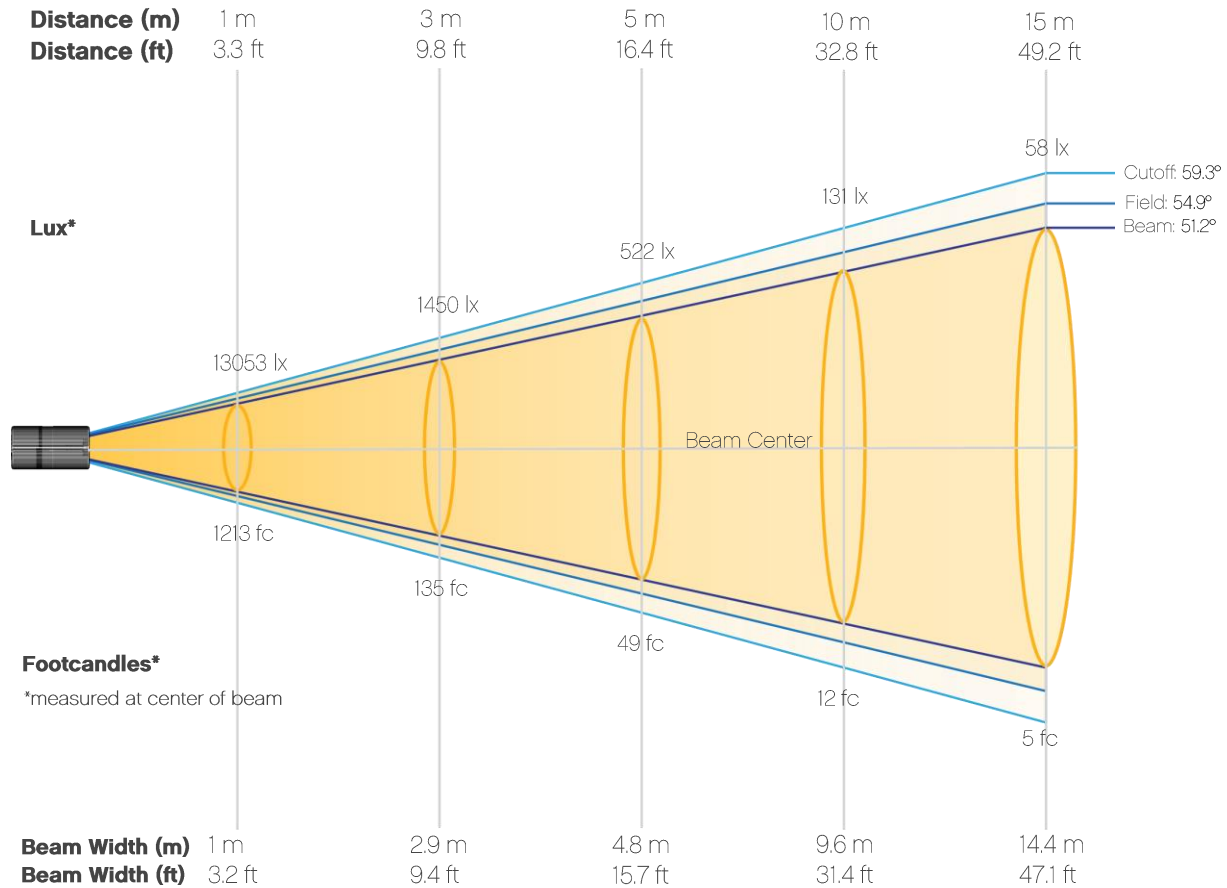
Color Temperature

5616 K

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 5600K

Beam Details

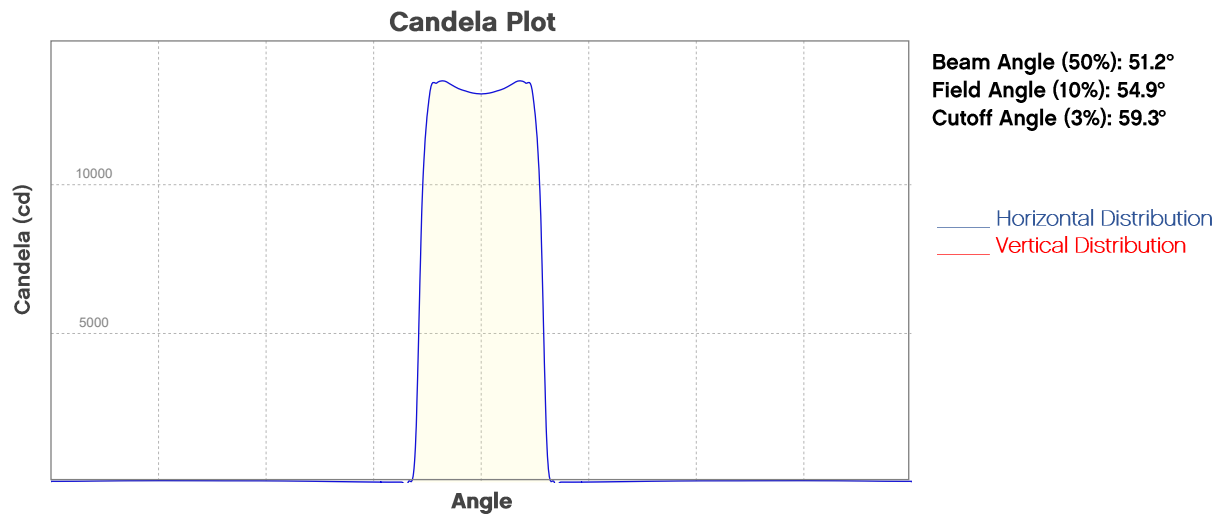


Beam Intensities from 1-20m (3.3-65.6ft)

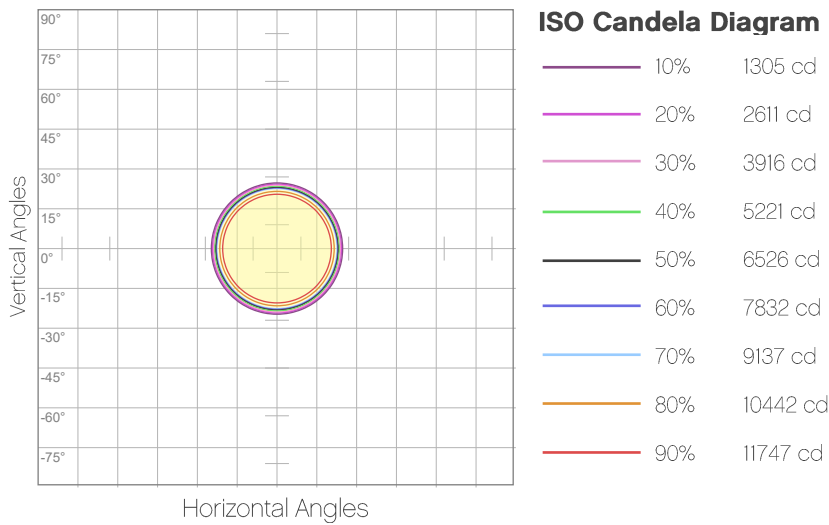
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	13053	3263	1450	816	522	363	266	204	161	131
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	108	91	77	67	58	51	45	40	36	33
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1213	303	135	76	49	34	25	19	15	12
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	10	8	7	6	5	5	4	4	3	3

Photometric & Chromaticity Report

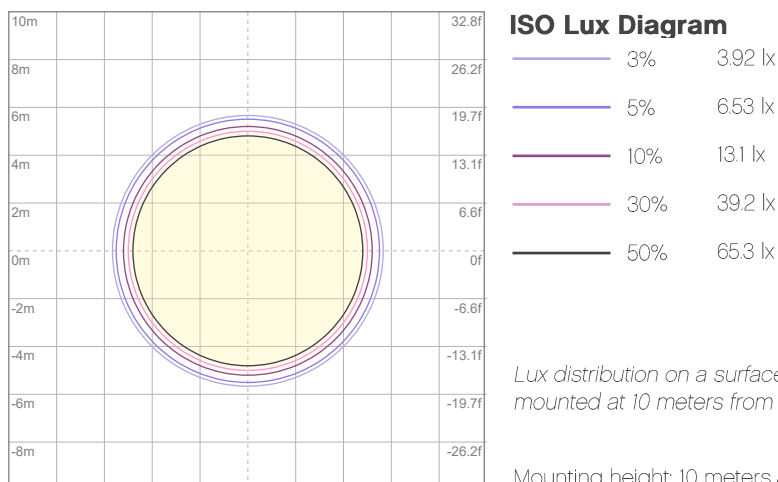
Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 5600K



ISO Diagrams



Conditions:
 Number of c-planes: 2
 Candela at center: 13053 cd



Conditions:
 Number of c-planes: 2
 Candela at center: 131 lx

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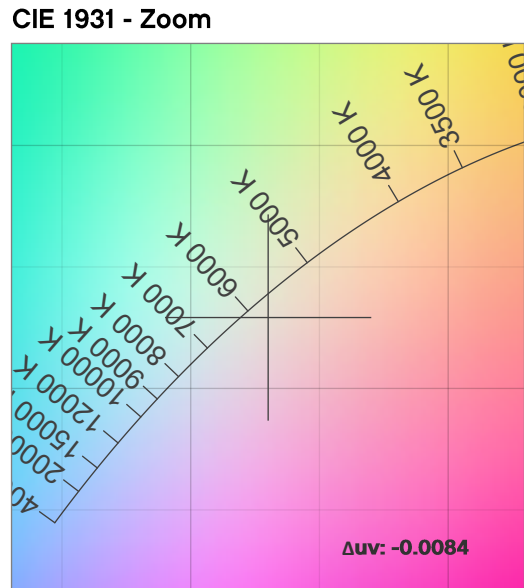
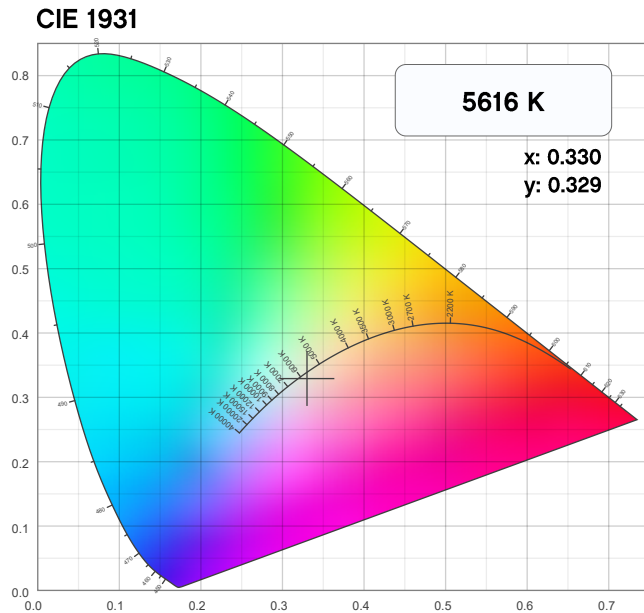
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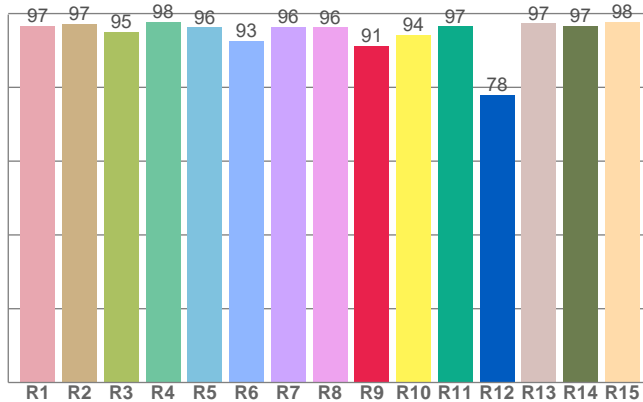
Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 5600K

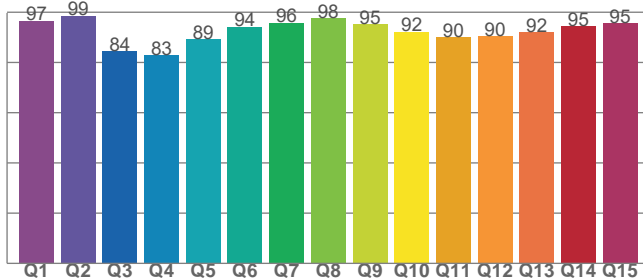
Chromaticity



CRI: 96.0 (R1-R8)



CQS: 91.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5616 K	0.330	0.329

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0084	0.329	0.210

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.0	91.2	91.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
97	91.7	101.0

Photometric & Chromaticity Report

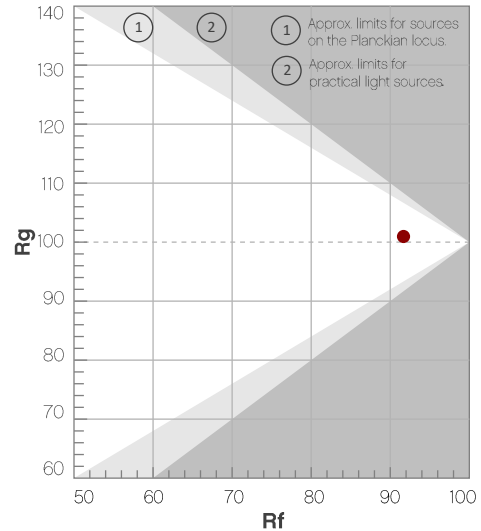
Maverick Silens 2 Profile: Full Flood-w/CTO Filter, 5600K

TM-30 Details

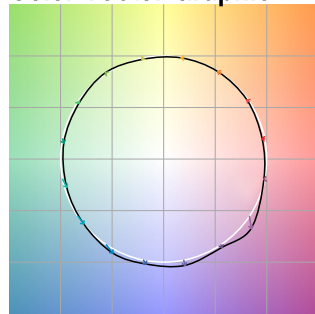
Rf 91.7
Fidelity Index
(R_g)

Rg 101.0
Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-2%	1%
2	94	-1%	3%
3	92	0%	4%
4	93	0%	2%
5	92	-1%	2%
6	96	1%	0%
7	96	-2%	1%
8	92	-2%	4%
9	90	-2%	8%
10	85	-1%	9%
11	84	3%	9%
12	93	3%	3%
13	93	5%	0%
14	94	3%	-1%
15	86	8%	-9%
16	96	-1%	0%



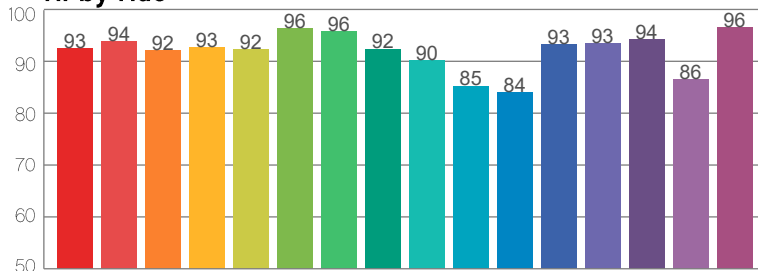
Color Vector Graphic



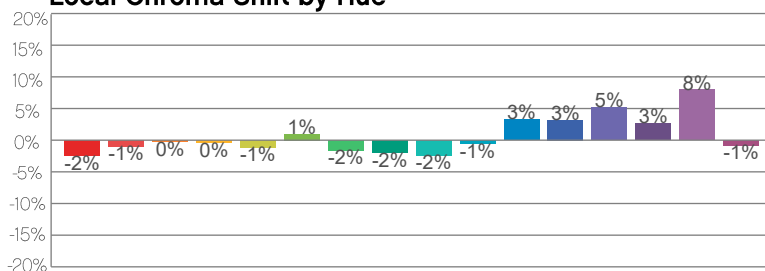
Color Distortion Graphic



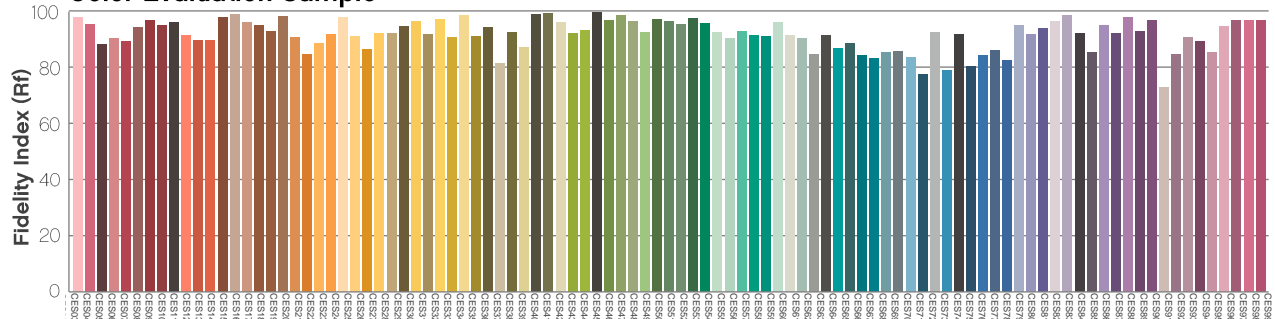
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot, Full Power

Report Summary

Measurements

Fixture Output: 5425 lm
Fixture Peak: 739951 cd
Fixture Efficacy: 9 lm/W
Intensity @ 5m: 29598 lux
Color Temperature: 6009 K
CRI: 95.6 CRI R9 Value: 94.6
CQS: 90.3
TLCI: 94
TM-30 Rf: 90.9
TM-30 Rg: 101.8
Beam Angle (50%): 5.4°
Field Angle (10%): 6.4°
Cutoff Angle (3%): 6.8°

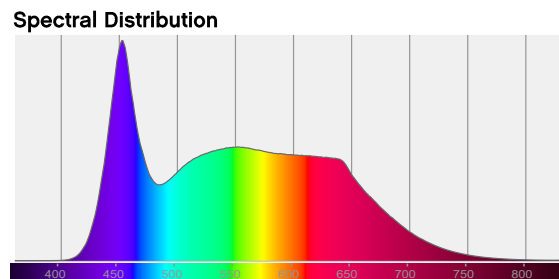
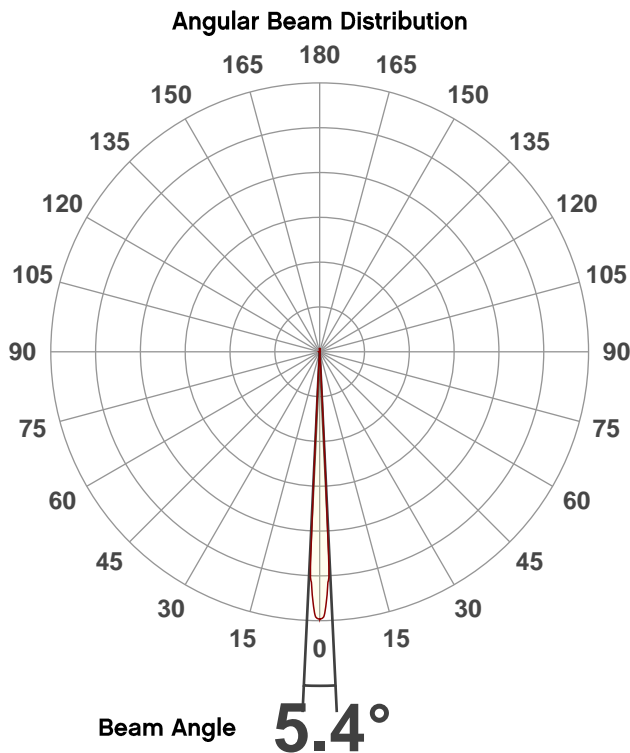


Conditions

AC Supply: 119 V, 60.1 Hz
Power: 632.33 W
Current: 5.33 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/12/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.323

Y: 0.321

Light Quality

CRI: 95.6

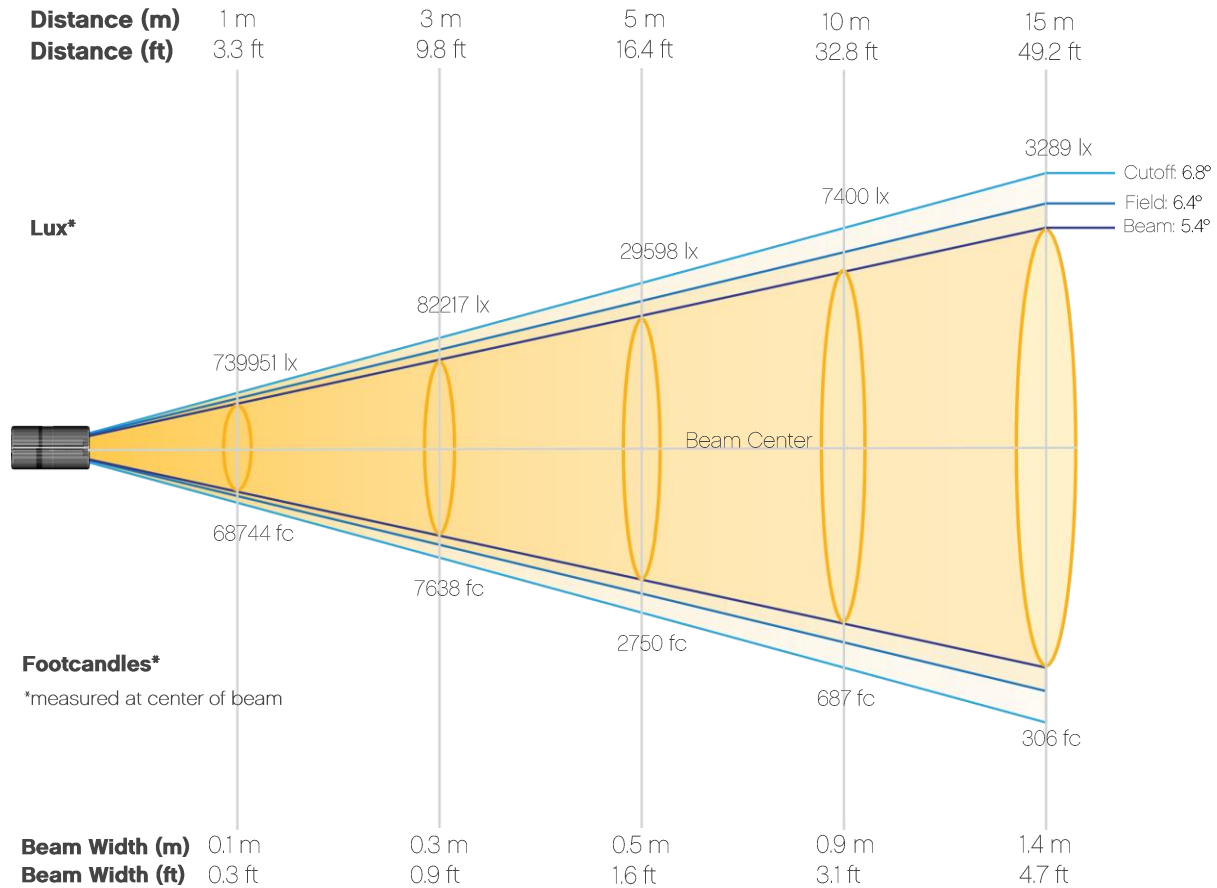
Color Temperature

6009 K

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot, Full Power

Beam Details

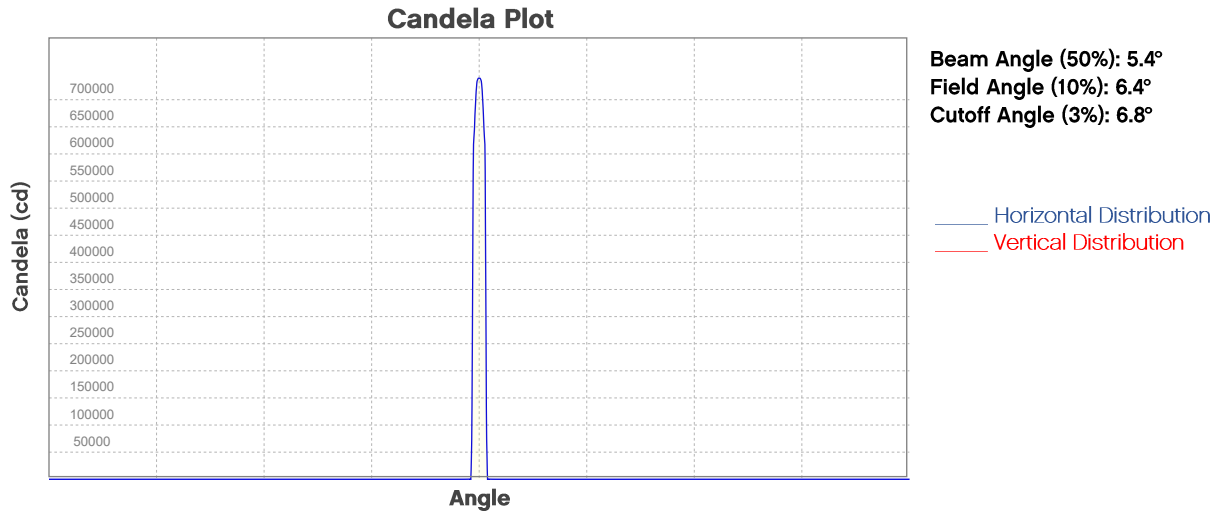


Beam Intensities from 1-20m (3.3-65.6ft)

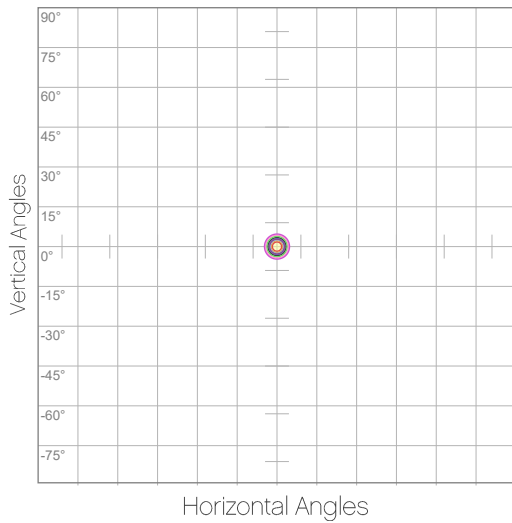
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	739951	184988	82217	46247	29598	20554	15101	11562	9135	7400
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	6115	5139	4378	3775	3289	2890	2560	2284	2050	1850
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	68744	17186	7638	4296	2750	1910	1403	1074	849	687
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	568	477	407	351	306	269	238	212	190	172

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot, Full Power



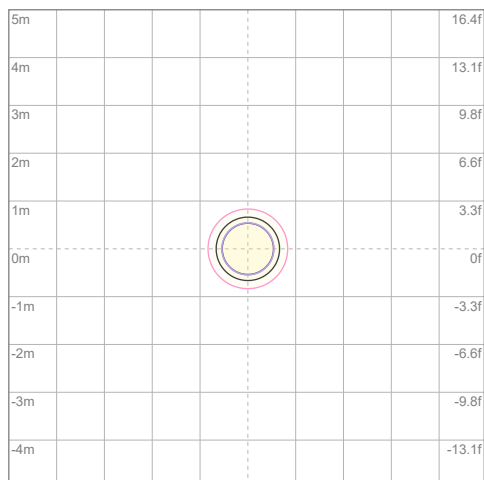
ISO Diagrams



ISO Candela Diagram

10%	73995 cd
20%	147990 cd
30%	221985 cd
40%	295980 cd
50%	369976 cd
60%	443971 cd
70%	517966 cd
80%	591961 cd
90%	665956 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 739951 cd



ISO Lux Diagram

3%	222 lx
5%	370 lx
10%	740 lx
30%	2220 lx
50%	3700 lx

Conditions:
 Number of c-planes: 2
 Candela at center: 7400 lx

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

Mounting height: 10 meters / 33 feet

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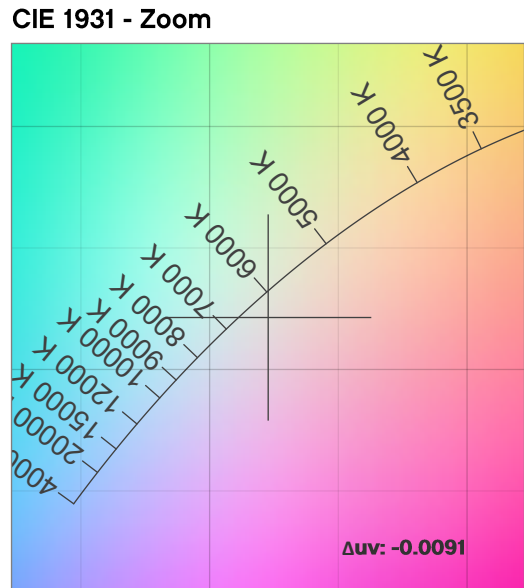
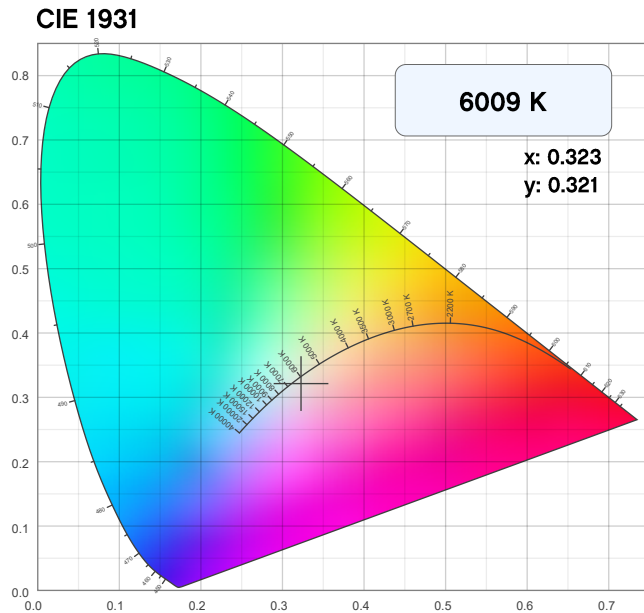
All product specifications, measurements and dimensions are subject to change without notice



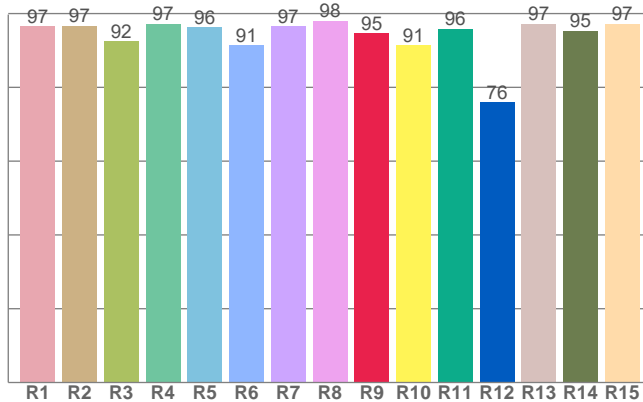
Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot, Full Power

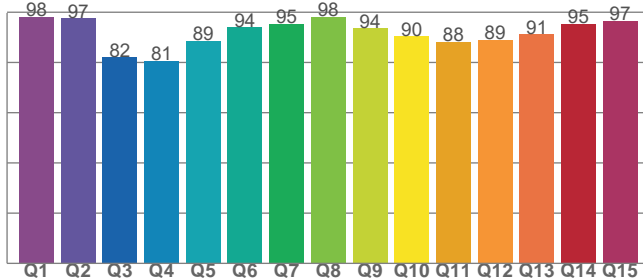
Chromaticity



CRI: 95.6 (R1-R8)



CQS: 90.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6009 K	0.323	0.321

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0091	0.321	0.208

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
95.6	94.6	90.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
94	90.9	101.8

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot, Full Power

TM-30 Details

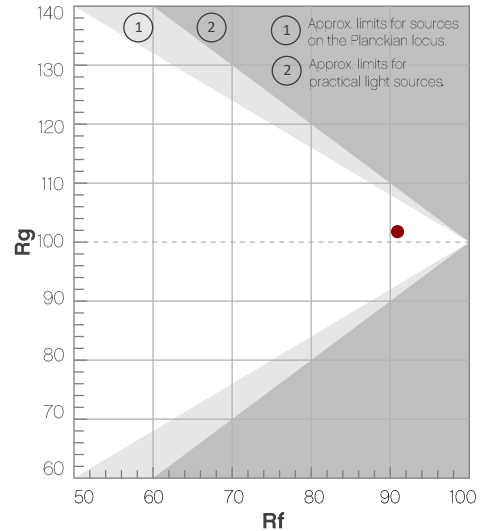
Rf 90.9

Fidelity Index
(R_f)

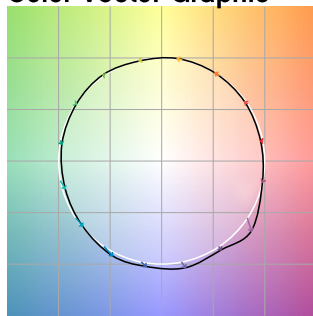
Rg 101.8

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-2%	1%
2	93	-1%	3%
3	91	0%	4%
4	91	0%	4%
5	91	-1%	2%
6	96	1%	1%
7	97	-1%	0%
8	93	-2%	3%
9	90	-3%	8%
10	84	-1%	10%
11	81	3%	11%
12	91	3%	5%
13	92	6%	2%
14	93	4%	0%
15	86	10%	-8%
16	97	0%	-1%



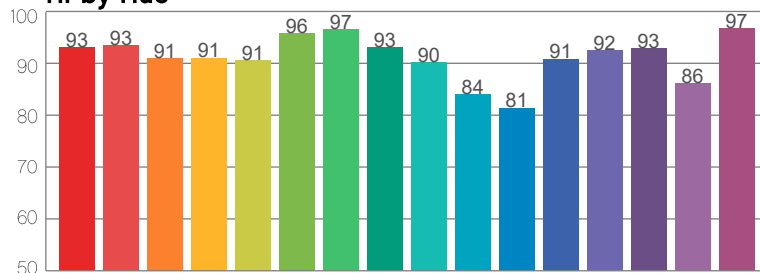
Color Vector Graphic



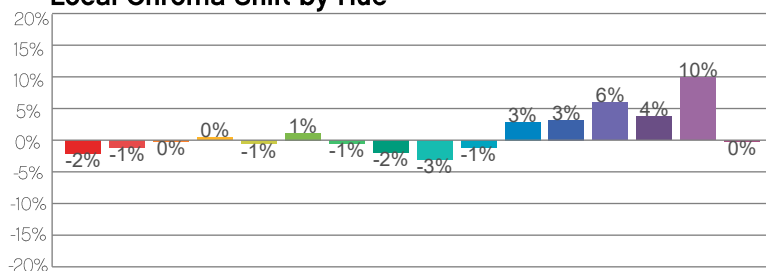
Color Distortion Graphic



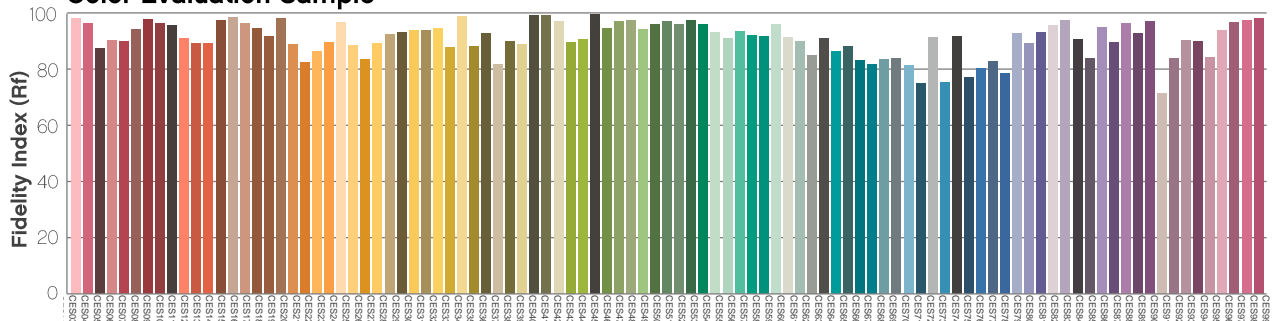
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 3200K

Report Summary

Measurements

Fixture Output: 2953 lm
Fixture Peak: 385097 cd
Fixture Efficacy: 5 lm/W
Intensity @ 5m: 15404 lux
Color Temperature: 3205 K
CRI: 96.1 CRI R9 Value: 97.8
CQS: 96.2
TLCI: 97
TM-30 Rf: 95.3
TM-30 Rg: 103.2
Beam Angle (50%): 5.3°
Field Angle (10%): 7.2°
Cutoff Angle (3%): 7.9°

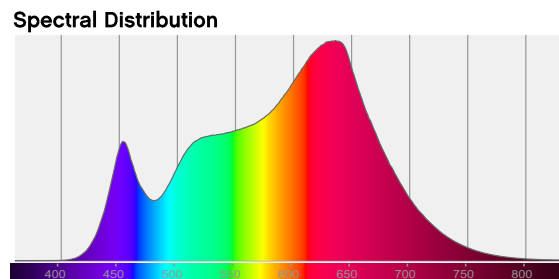
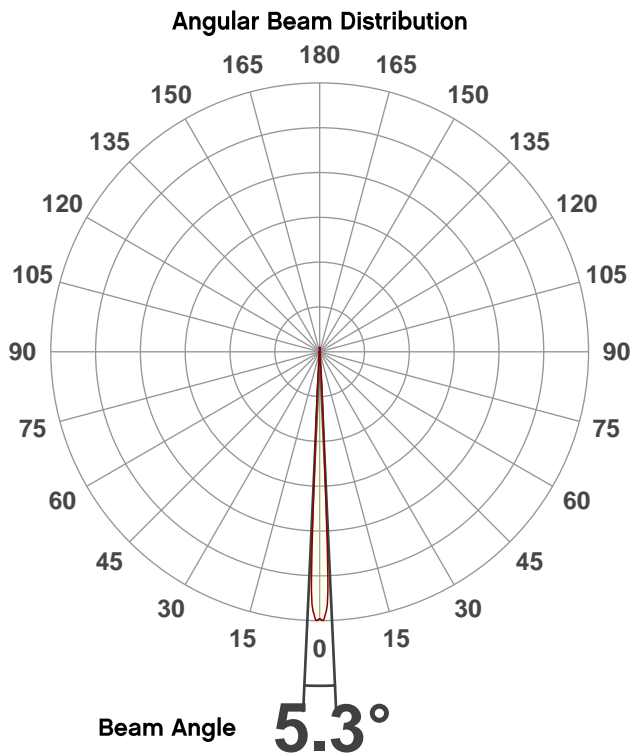


Conditions

AC Supply: 118 V, 60 Hz
Power: 617.5 W
Current: 5.24 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/12/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.418

Y: 0.388



Light Quality

CRI: 96.1



Color Temperature

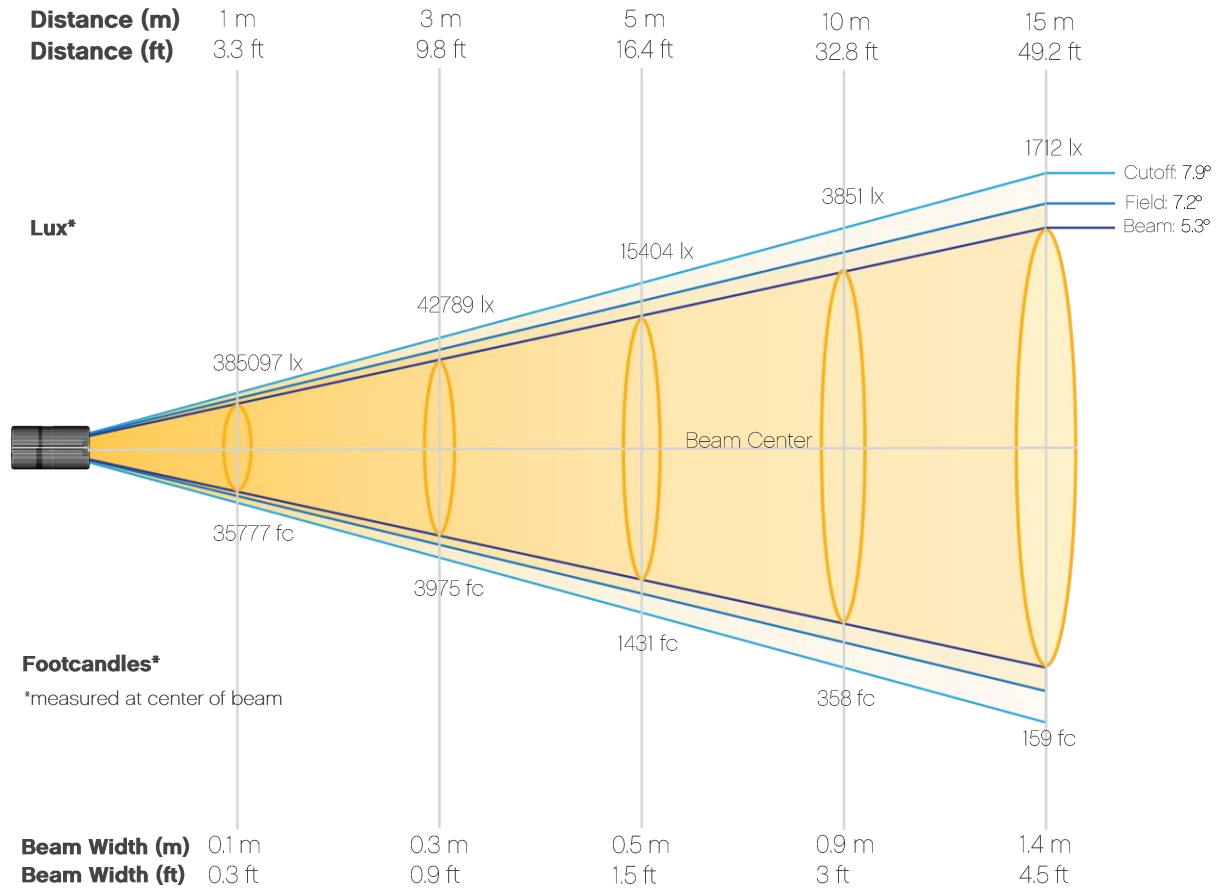
3205 K



Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 3200K

Beam Details

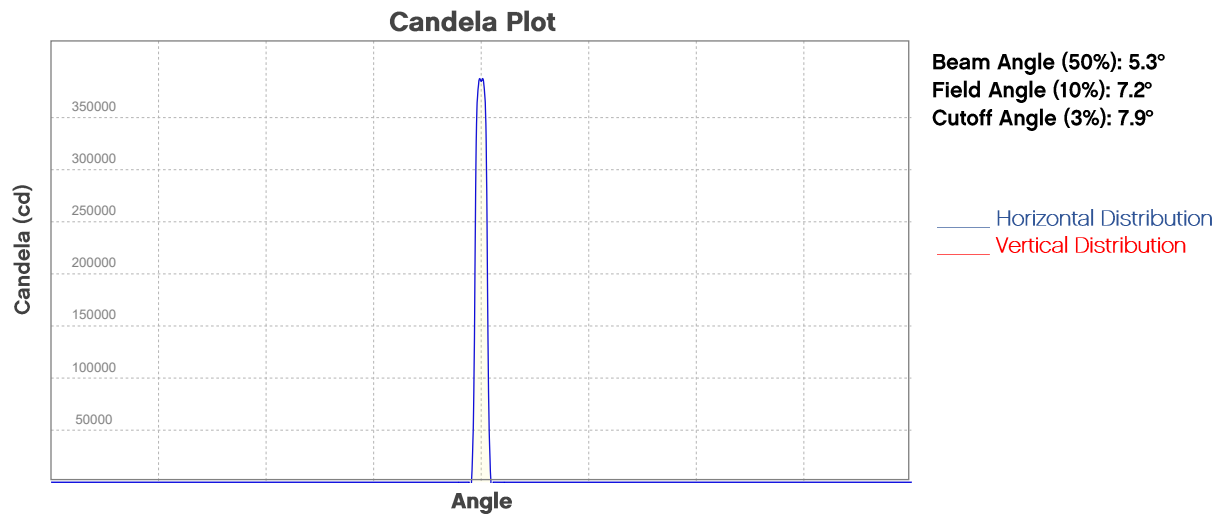


Beam Intensities from 1-20m (3.3-65.6ft)

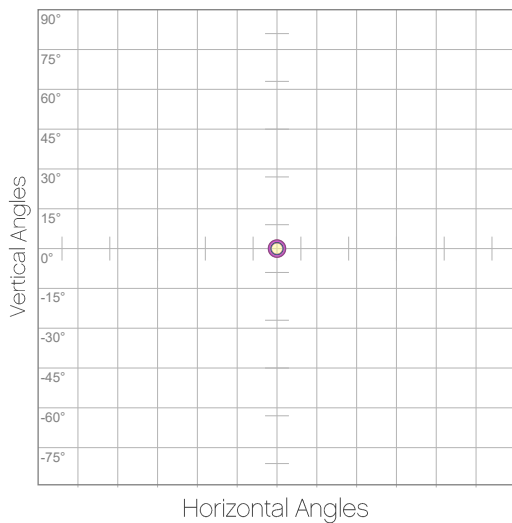
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	385097	96274	42789	24069	15404	10697	7859	6017	4754	3851
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3183	2674	2279	1965	1712	1504	1333	1189	1067	963
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	35777	8944	3975	2236	1431	994	730	559	442	358
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	296	248	212	183	159	140	124	110	99	89

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 3200K



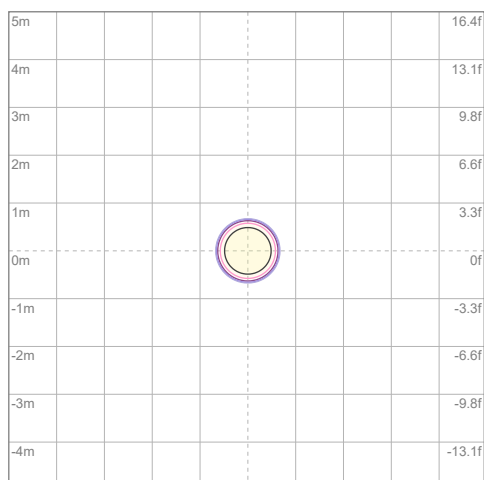
ISO Diagrams



ISO Candela Diagram

10%	38510 cd
20%	77019 cd
30%	115529 cd
40%	154039 cd
50%	192548 cd
60%	231058 cd
70%	269568 cd
80%	308077 cd
90%	346587 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 385097 cd



ISO Lux Diagram

3%	116 lx
5%	193 lx
10%	385 lx
30%	1155 lx
50%	1925 lx

Conditions:
 Number of c-planes: 2
 Candela at center: 3851 lx

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

Mounting height: 10 meters / 33 feet

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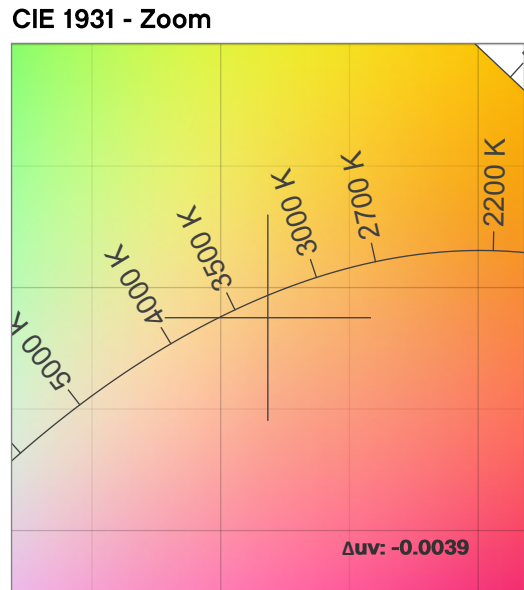
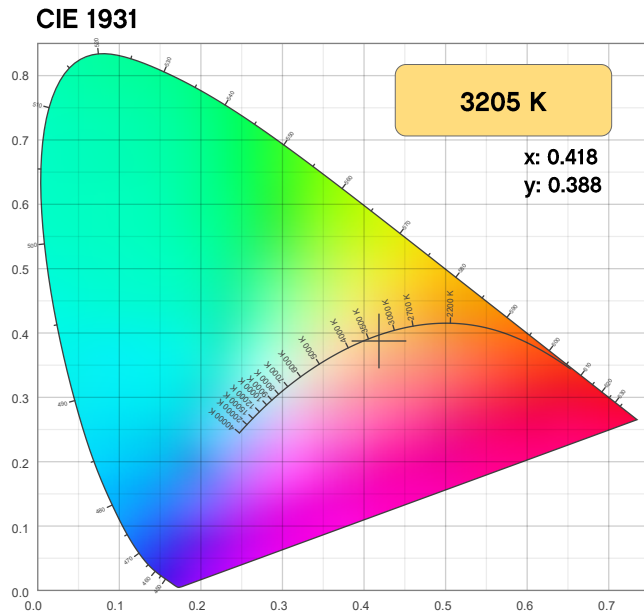
All product specifications, measurements and dimensions are subject to change without notice



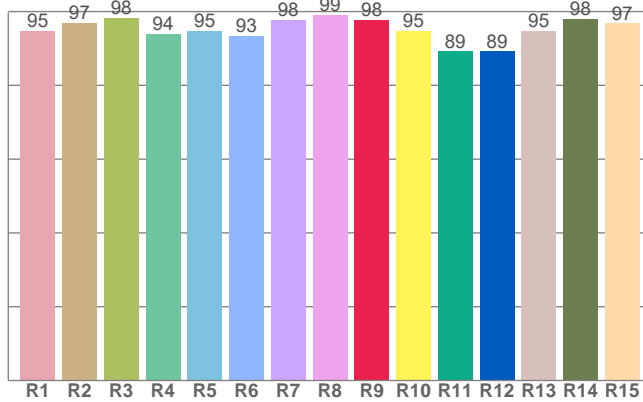
Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 3200K

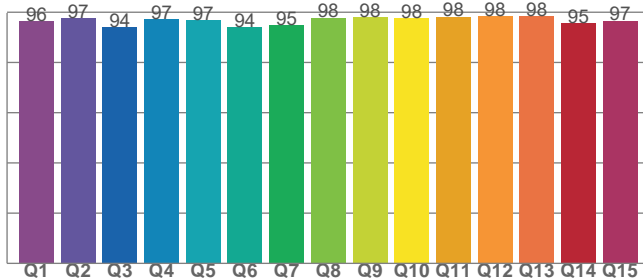
Chromaticity



CRI: 96.1 (R1-R8)



CQS: 96.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3205 K	0.418	0.388

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0039	0.388	0.246

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.1	97.8	96.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
97	95.3	103.2

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 3200K

TM-30 Details

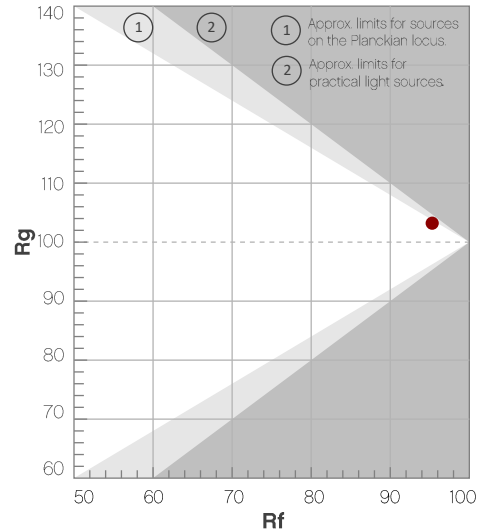
Rf 95.3

Fidelity Index
(R_f)

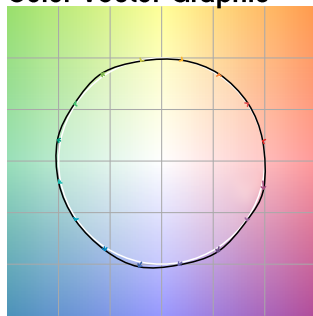
Rg 103.2

Gammut Index
(R_g)

		Graphic shifts (%)		
Hue Bin	R _f	Chroma	Hue	
1	97	0%	0%	
2	97	1%	0%	
3	96	1%	1%	
4	98	0%	-1%	
5	95	-1%	1%	
6	95	3%	2%	
7	95	1%	1%	
8	95	3%	-1%	
9	96	2%	1%	
10	97	1%	1%	
11	95	2%	3%	
12	92	5%	-2%	
13	94	2%	-4%	
14	93	3%	-4%	
15	94	1%	-2%	
16	91	2%	-7%	



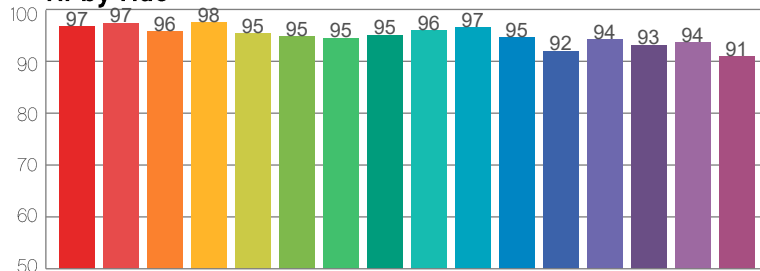
Color Vector Graphic



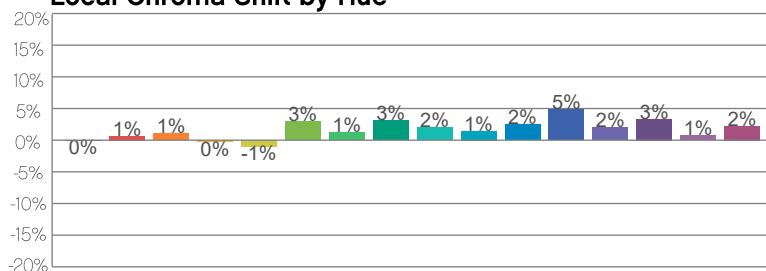
Color Distortion Graphic



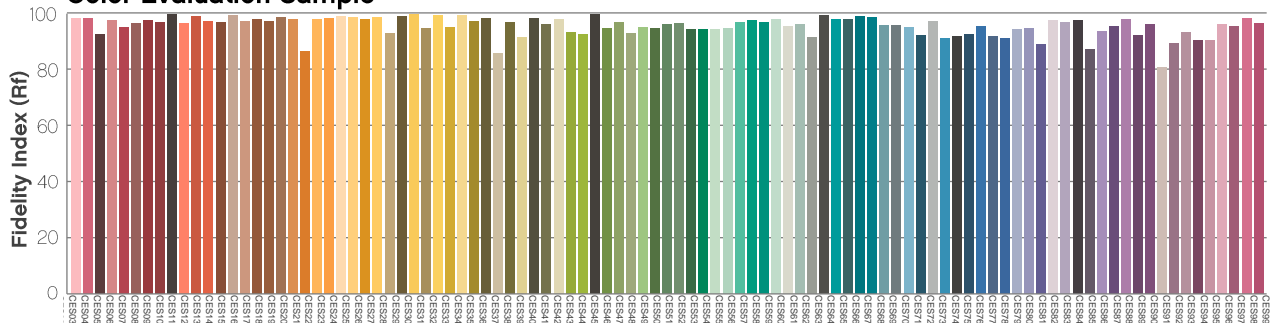
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 5600K

Report Summary

Measurements

Fixture Output: 4512 lm
Fixture Peak: 567234 cd
Fixture Efficacy: 8 lm/W
Intensity @ 5m: 22641 lux
Color Temperature: 5615 K
CRI: 95.9 CRI R9 Value: 95.9
CQS: 91.5
TLCI: 97
TM-30 Rf: 91.5
TM-30 Rg: 101.3
Beam Angle (50%): 5.7°
Field Angle (10%): 6.4°
Cutoff Angle (3%): 7°

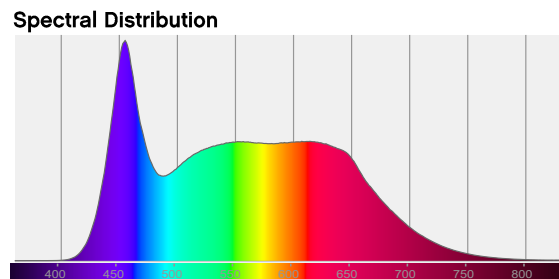
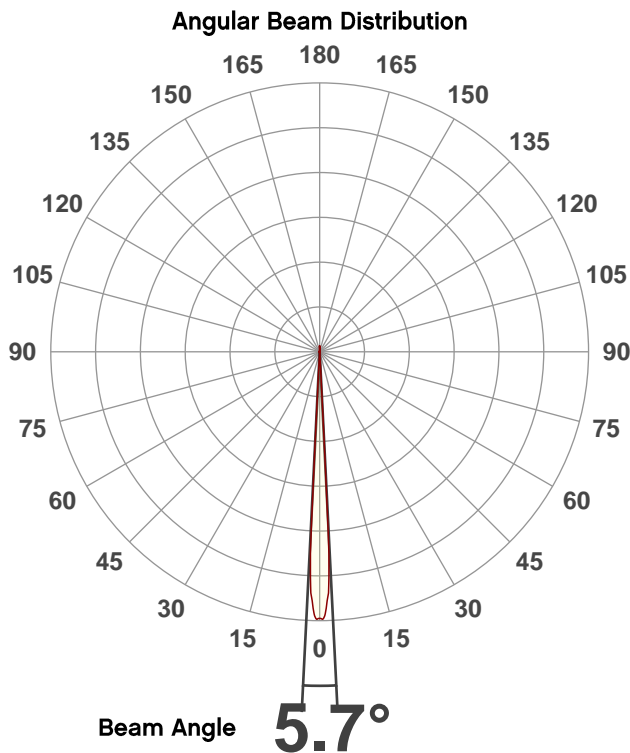


Conditions

AC Supply: 119 V, 60 Hz
Power: 581.05 W
Current: 4.90 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/12/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.330

Y: 0.325



Light Quality

CRI: 95.9

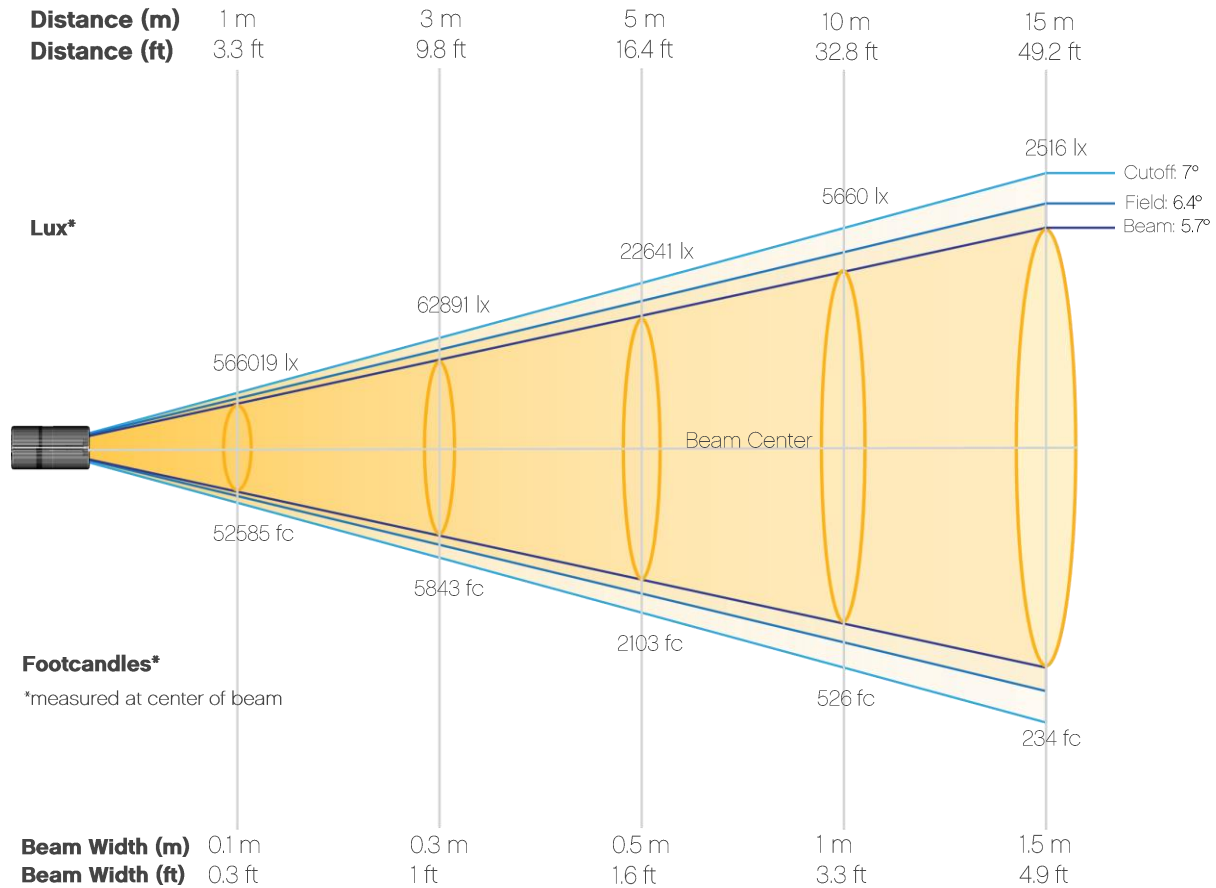
Color Temperature

5615 K

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 5600K

Beam Details

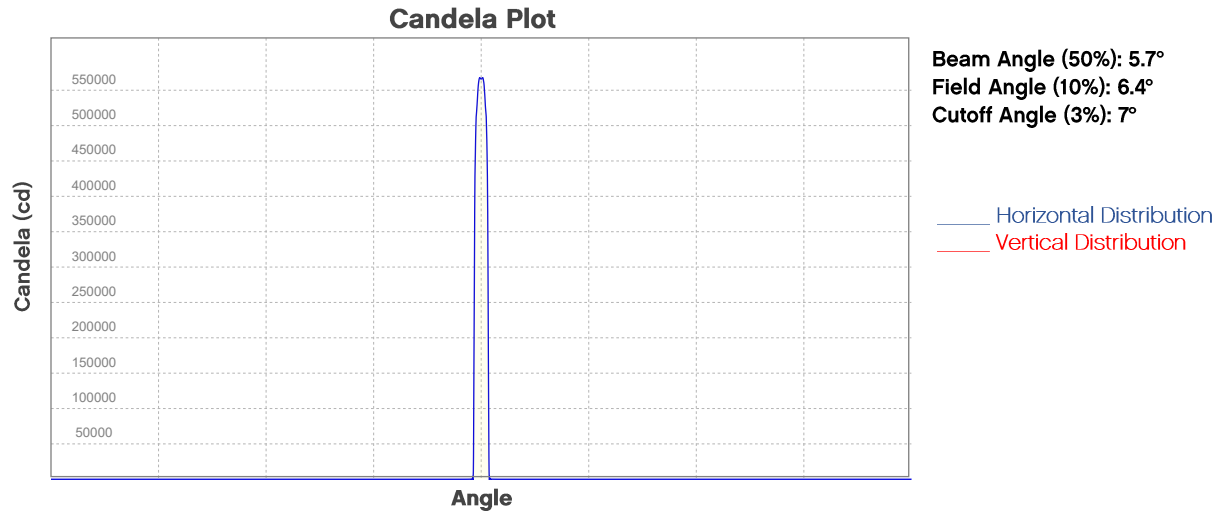


Beam Intensities from 1-20m (3.3-65.6ft)

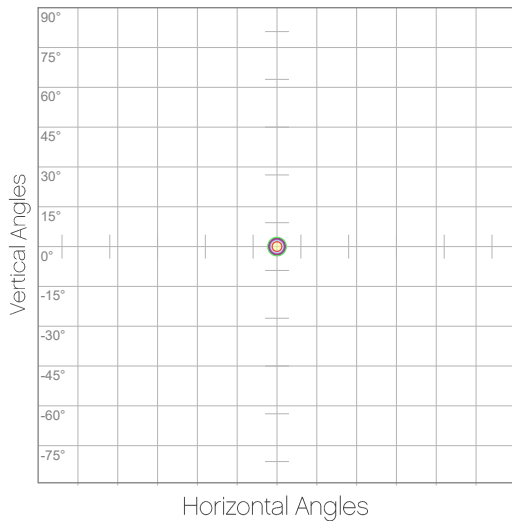
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	566019	141505	62891	35376	22641	15723	11551	8844	6988	5660
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	4678	3931	3349	2888	2516	2211	1959	1747	1568	1415
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	52585	13146	5843	3287	2103	1461	1073	822	649	526
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	435	365	311	268	234	205	182	162	146	131

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 5600K



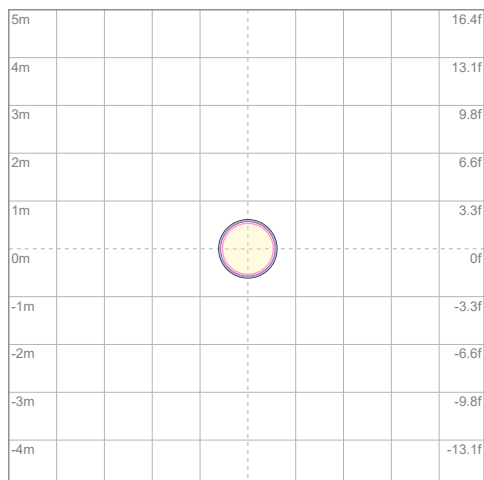
ISO Diagrams



ISO Candela Diagram

10%	56602 cd
20%	113204 cd
30%	169806 cd
40%	226407 cd
50%	283009 cd
60%	339611 cd
70%	396213 cd
80%	452815 cd
90%	509417 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 566019 cd



ISO Lux Diagram

3%	170 lx
5%	283 lx
10%	566 lx
30%	1698 lx
50%	2830 lx

Conditions:
 Number of c-planes: 2
 Candela at center: 5660 lx

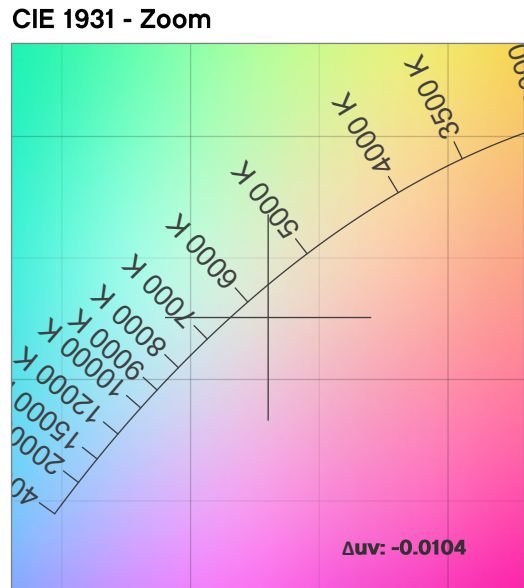
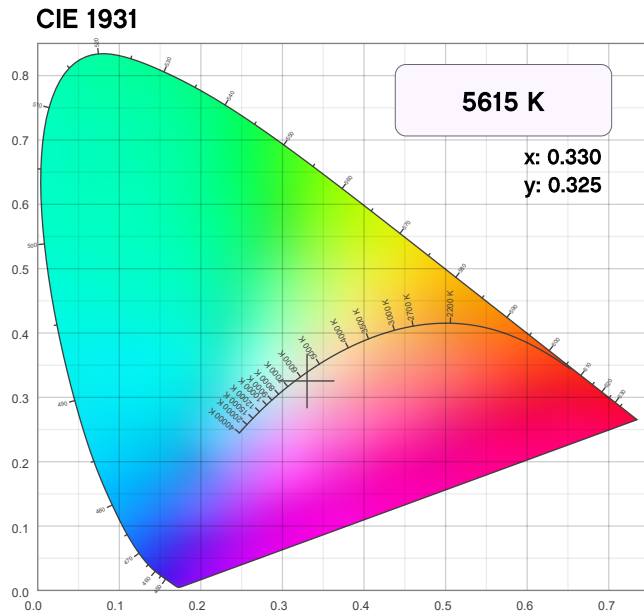
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

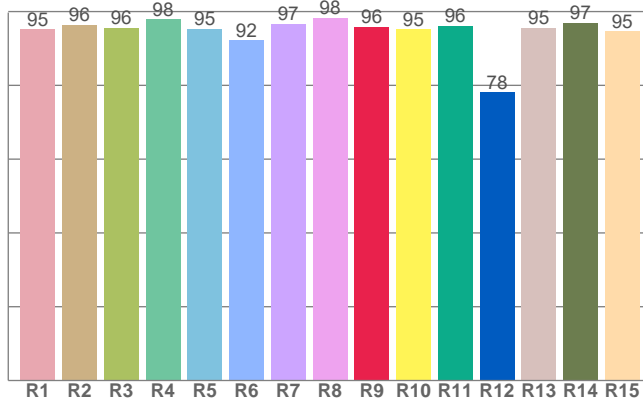
Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 5600K

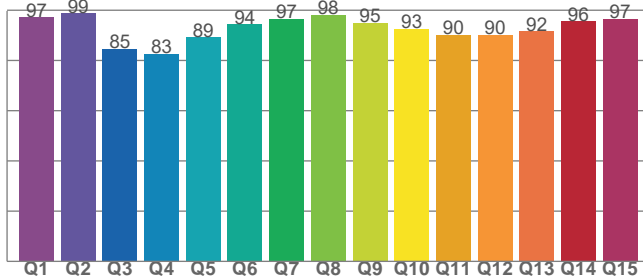
Chromaticity



CRI: 95.9 (R1-R8)



CQS: 91.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5615 K	0.330	0.325

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0104	0.325	0.211

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
95.9	95.9	91.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
97	91.5	101.3

Photometric & Chromaticity Report

Maverick Silens 2 Profile: Full Spot-w/CTO Filter, 5600K

TM-30 Details

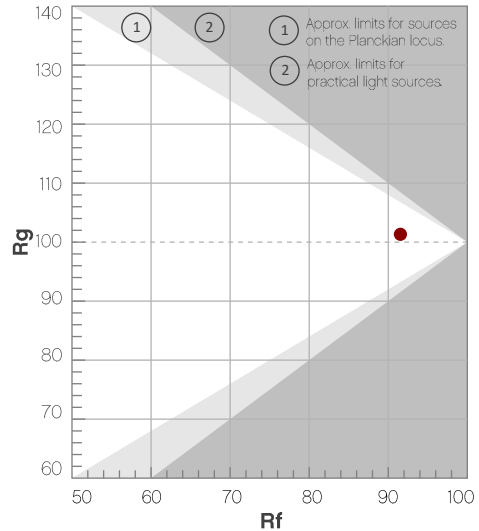
Rf 91.5

Fidelity Index
(R_f)

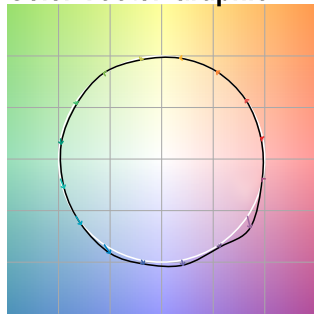
Rg 101.3

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-2%	1%
2	93	0%	3%
3	92	0%	3%
4	93	-1%	2%
5	92	-2%	1%
6	96	1%	1%
7	95	-2%	2%
8	91	-2%	5%
9	89	-2%	9%
10	85	0%	9%
11	84	4%	9%
12	94	3%	3%
13	94	5%	0%
14	94	2%	0%
15	87	8%	-8%
16	96	-1%	1%



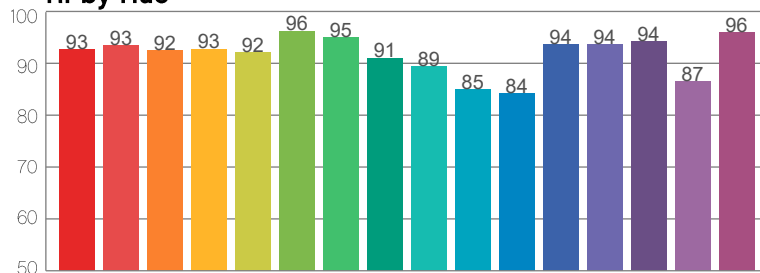
Color Vector Graphic



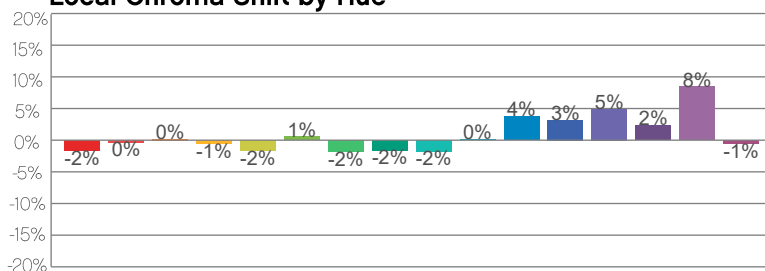
Color Distortion Graphic



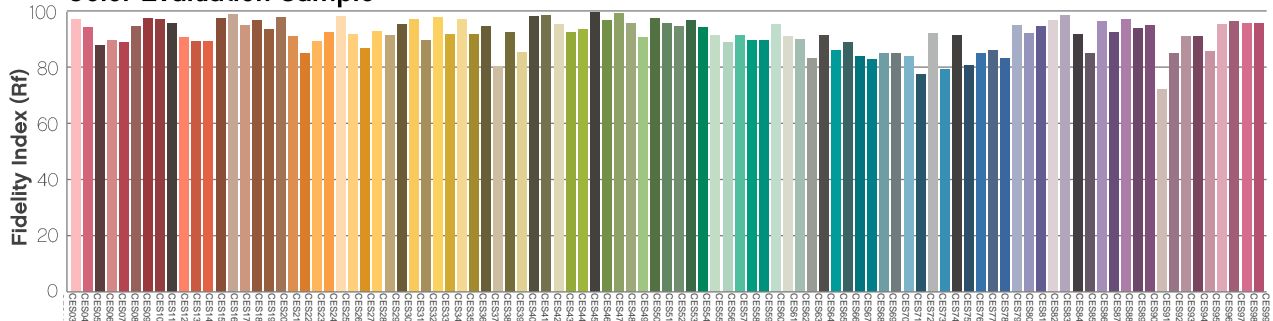
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom, Full Power

Report Summary

Measurements

Fixture Output: 9849 lm
Fixture Peak: 108520 cd
Fixture Efficacy: 16 lm/W
Intensity @ 5m: 4341 lux
Color Temperature: 5975 K
CRI: 95.3 CRI R9 Value: 87.4
CQS: 90.5
TLCI: 94
TM-30 Rf: 91.1
TM-30 Rg: 100.8
Beam Angle (50%): 19.1°
Field Angle (10%): 20.7°
Cutoff Angle (3%): 22.4°

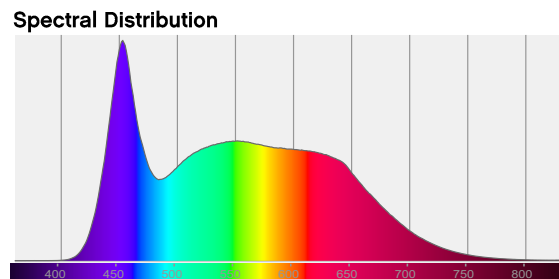
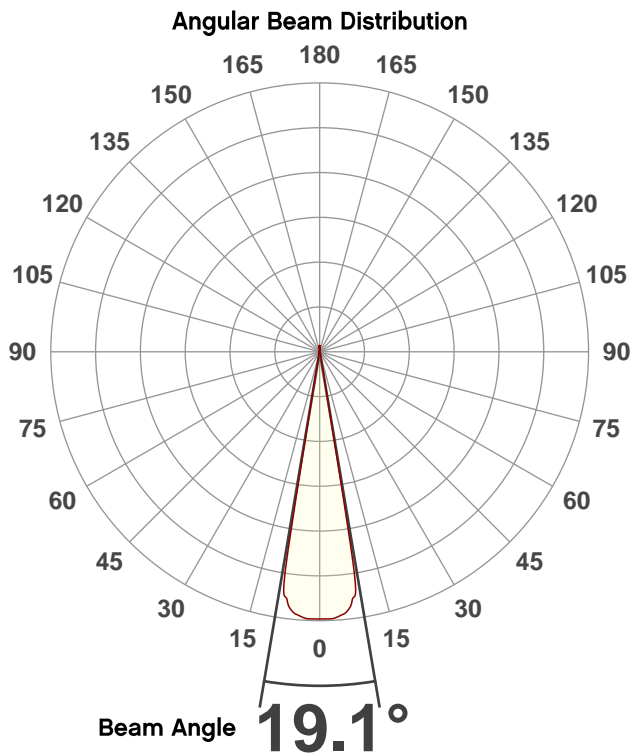


Conditions

AC Supply: 120 V, 60 Hz
Power: 615.85 W
Current: 5.15 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/12/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.323

Y: 0.325

Light Quality

CRI: 95.3

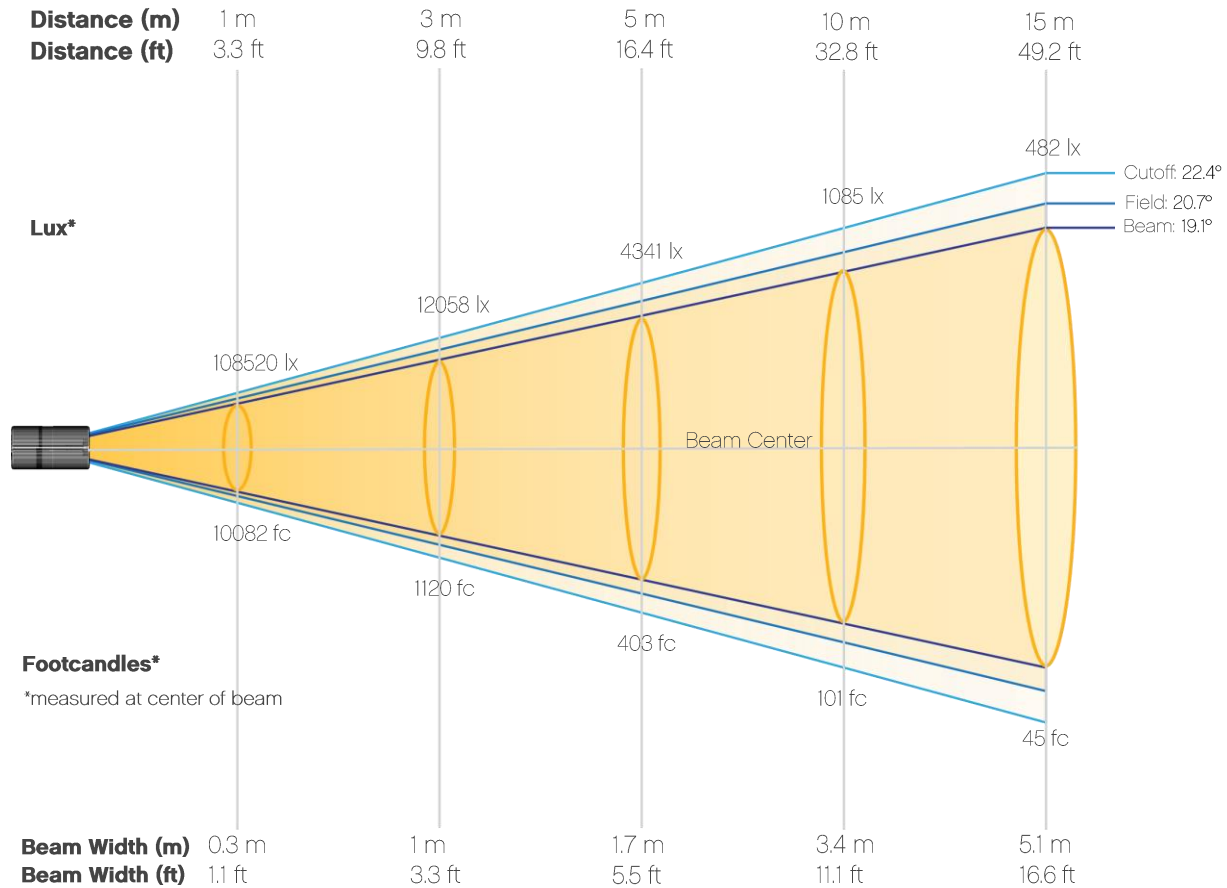
Color Temperature

5975 K

Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom, Full Power

Beam Details

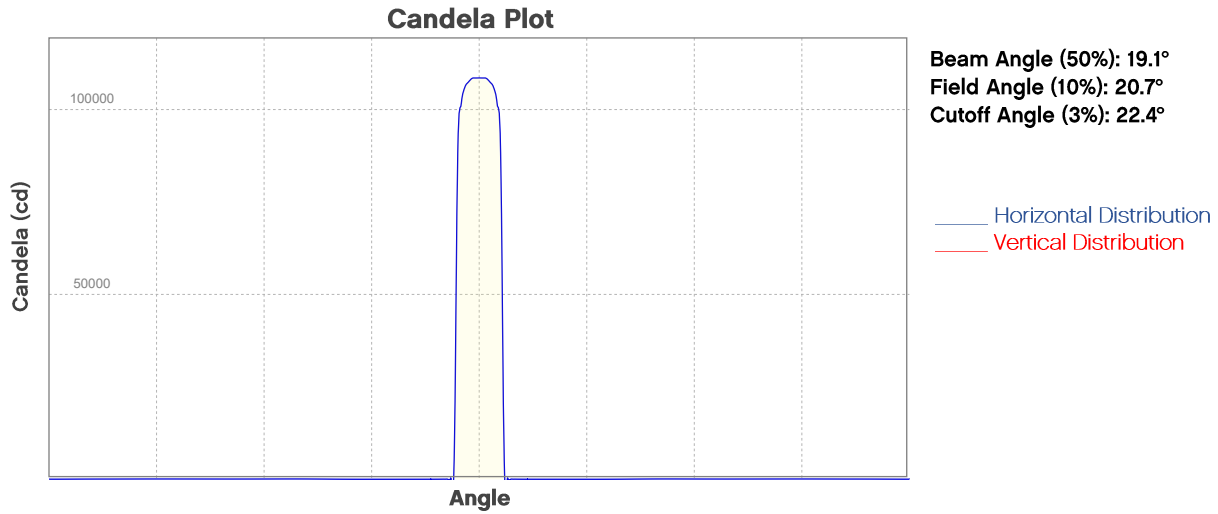


Beam Intensities from 1-20m (3.3-65.6ft)

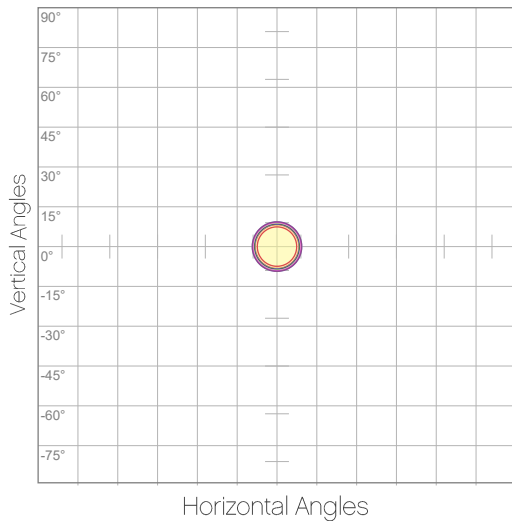
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	108520	27130	12058	6783	4341	3014	2215	1696	1340	1085
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	897	754	642	554	482	424	376	335	301	271
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	10082	2520	1120	630	403	280	206	158	124	101
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	83	70	60	51	45	39	35	31	28	25

Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom, Full Power



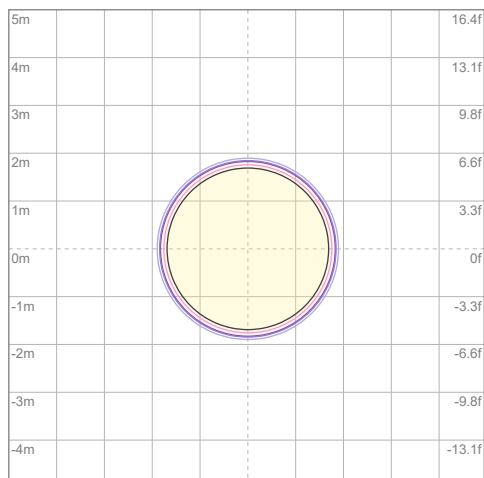
ISO Diagrams



ISO Candela Diagram

10%	10852 cd
20%	21704 cd
30%	32556 cd
40%	43408 cd
50%	54260 cd
60%	65112 cd
70%	75964 cd
80%	86816 cd
90%	97668 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 108520 cd



ISO Lux Diagram

3%	32.6 lx
5%	54.3 lx
10%	109 lx
30%	326 lx
50%	543 lx

Conditions:
 Number of c-planes: 2
 Candela at center: 1085 lx

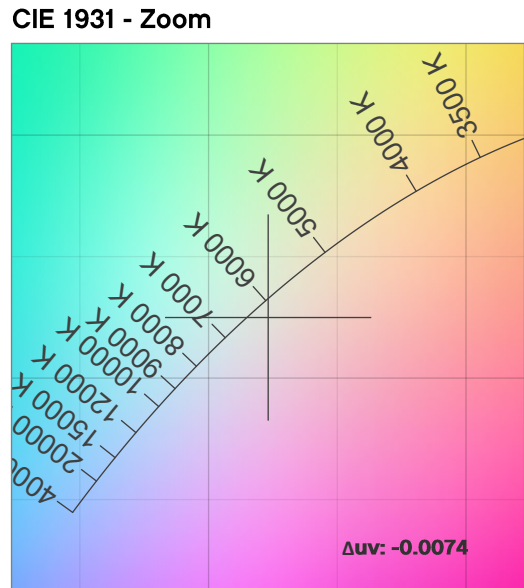
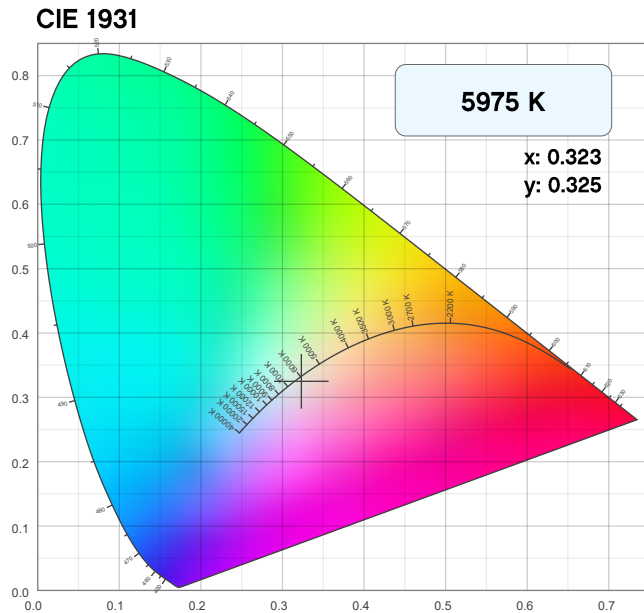
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

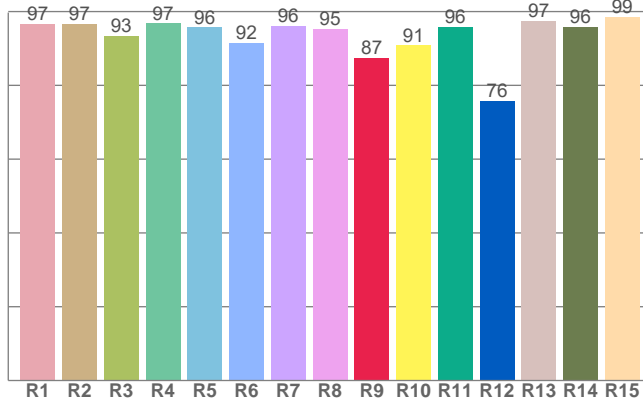
Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom, Full Power

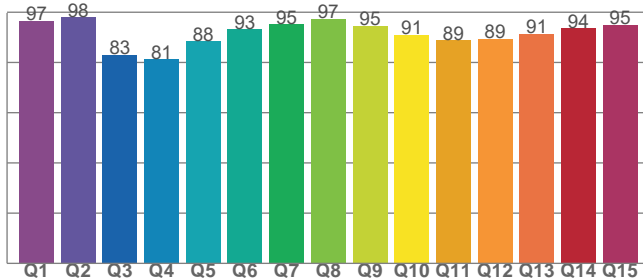
Chromaticity



CRI: 95.3 (R1-R8)



CQS: 90.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5975 K	0.323	0.325

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0074	0.325	0.207

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
95.3	87.4	90.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
94	91.1	100.8

Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom, Full Power

TM-30 Details

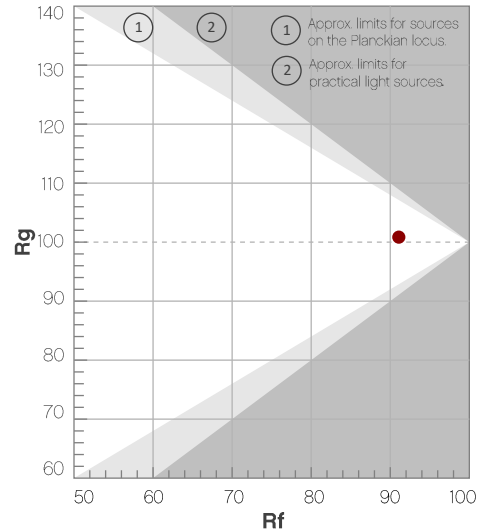
Rf 91.1

Fidelity Index
(R_f)

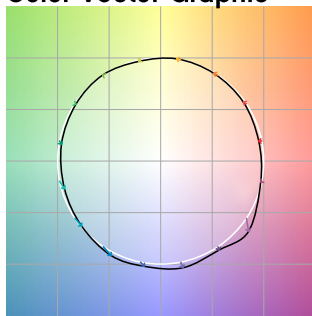
Rg 100.8

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-3%	0%
2	93	-2%	3%
3	91	-1%	4%
4	92	0%	4%
5	91	-1%	2%
6	96	1%	0%
7	97	-1%	0%
8	93	-2%	3%
9	90	-3%	8%
10	84	-1%	10%
11	82	3%	11%
12	92	3%	4%
13	93	6%	1%
14	94	3%	-1%
15	86	9%	-9%
16	96	-1%	-1%



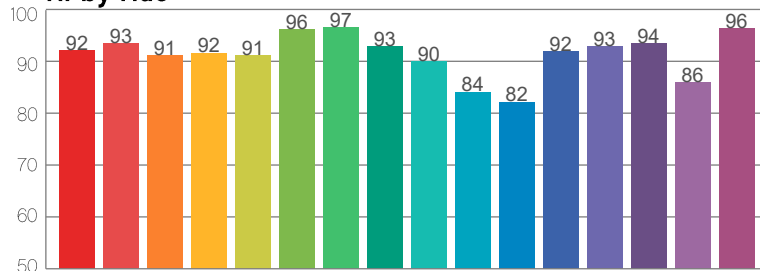
Color Vector Graphic



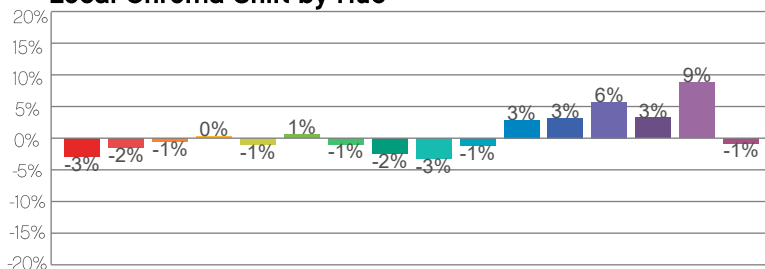
Color Distortion Graphic



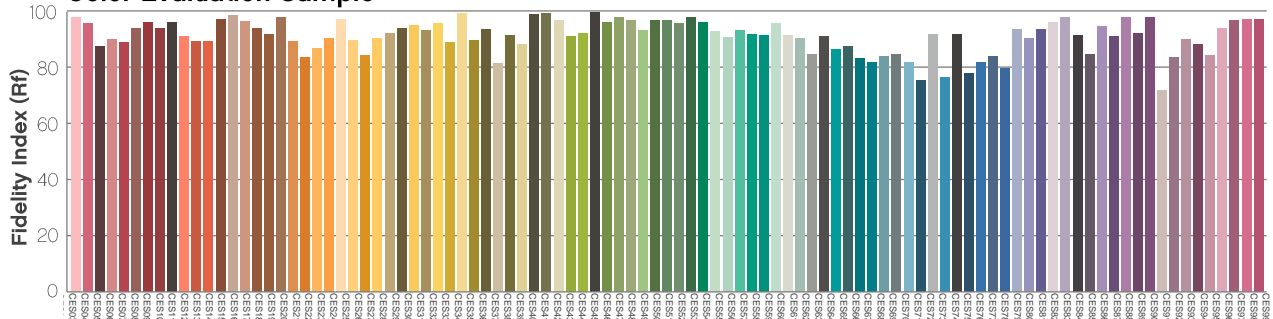
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 3200K

Report Summary

Measurements

Fixture Output: 4940 lm
Fixture Peak: 53900 cd
Fixture Efficacy: 8 lm/W
Intensity @ 5m: 2150 lux
Color Temperature: 3202 K
CRI: 96.4 CRI R9 Value: 94.7
CQS: 96.5
TLCI: 97
TM-30 Rf: 95.2
TM-30 Rg: 101.9
Beam Angle (50%): 19.3°
Field Angle (10%): 21.1°
Cutoff Angle (3%): 23.3°

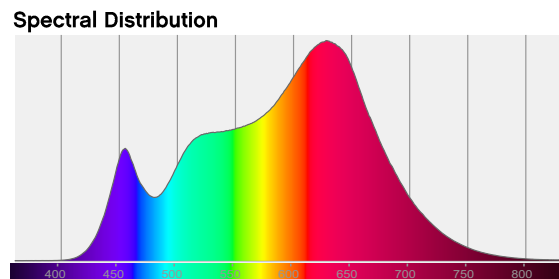
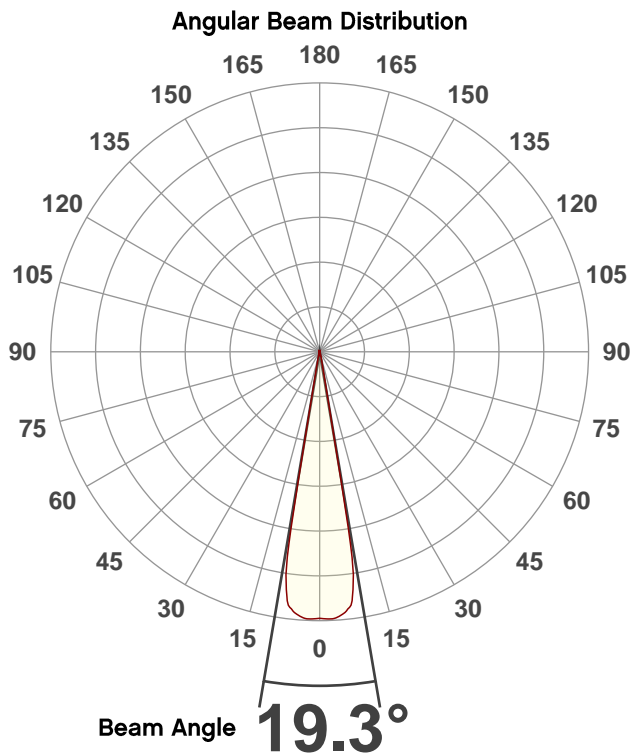
Conditions

AC Supply: 118 V, 60.1 Hz
Power: 592.37 W
Current: 5.04 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/12/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.420

Y: 0.392



Light Quality

CRI: 96.4



Color Temperature

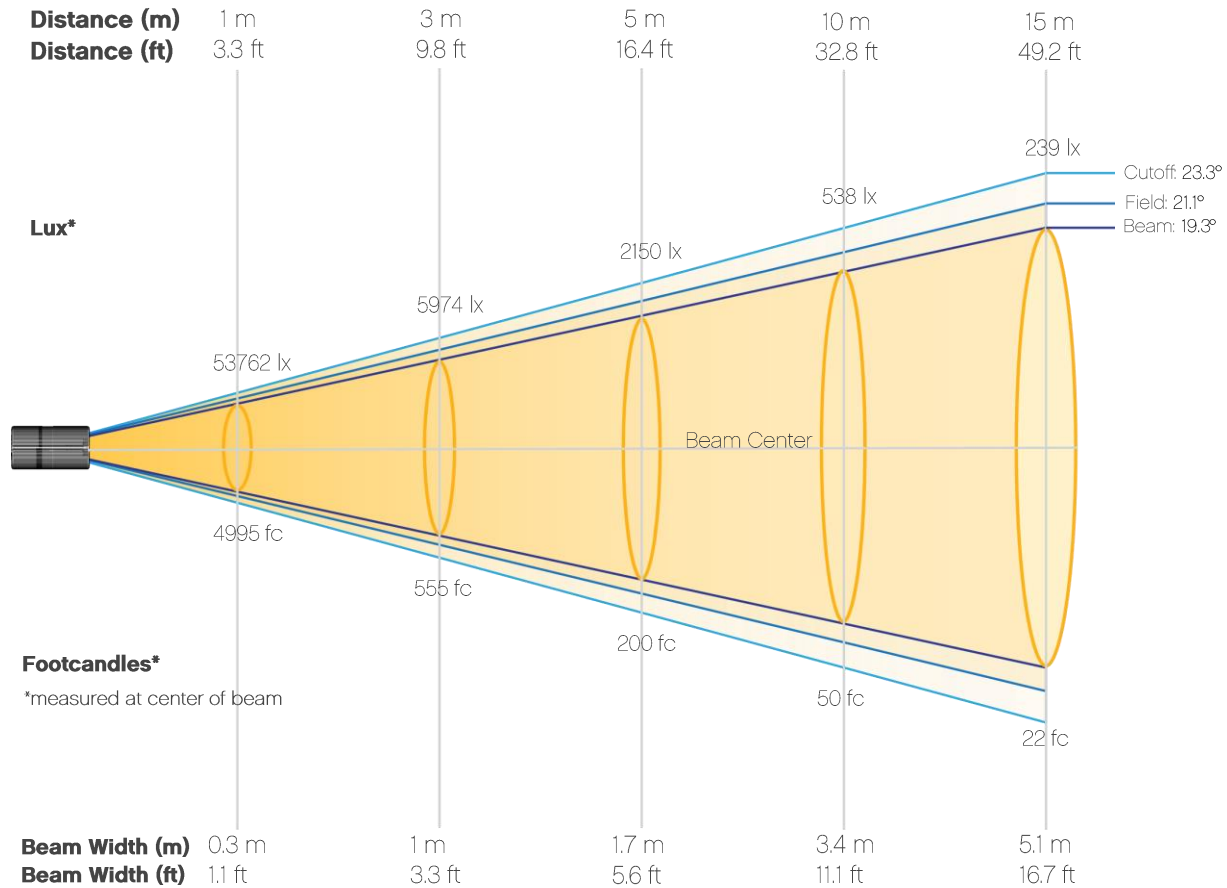
3202 K



Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 3200K

Beam Details

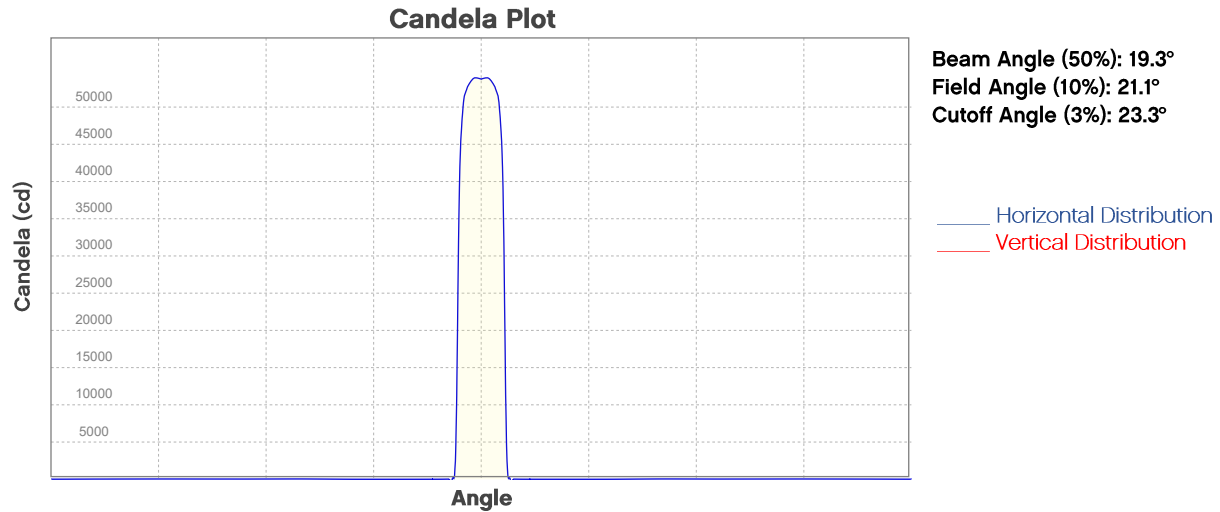


Beam Intensities from 1-20m (3.3-65.6ft)

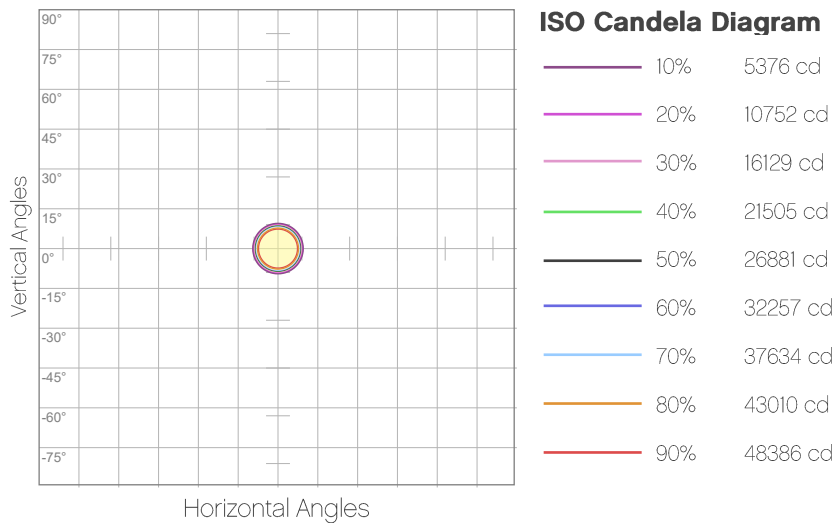
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	53762	13441	5974	3360	2150	1493	1097	840	664	538
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	444	373	318	274	239	210	186	166	149	134
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	4995	1249	555	312	200	139	102	78	62	50
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	41	35	30	25	22	20	17	15	14	12

Photometric & Chromaticity Report

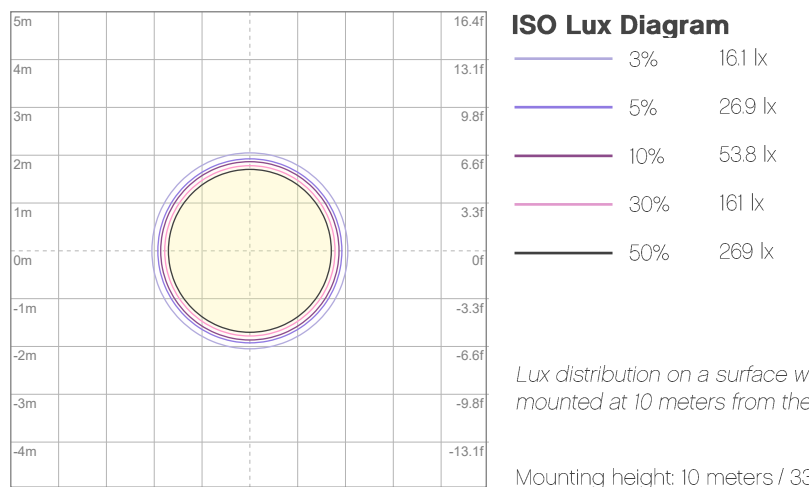
Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 3200K



ISO Diagrams



Conditions:
 Number of c-planes: 2
 Candela at center: 53762 cd



Conditions:
 Number of c-planes: 2
 Candela at center: 538 lx

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

Mounting height: 10 meters / 33 feet

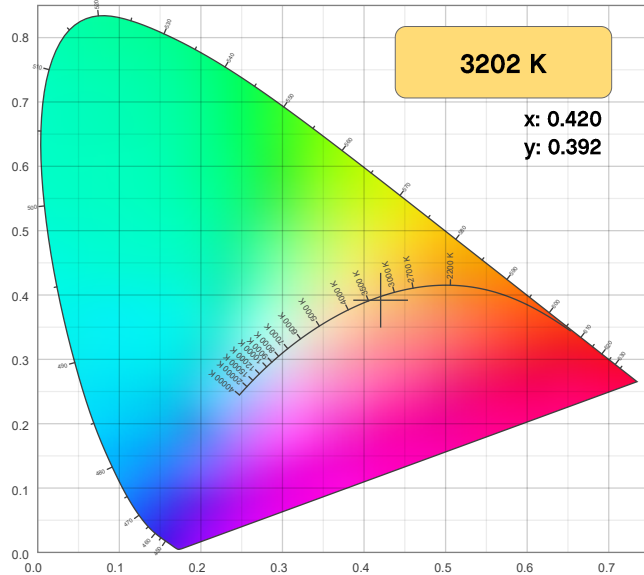


Photometric & Chromaticity Report

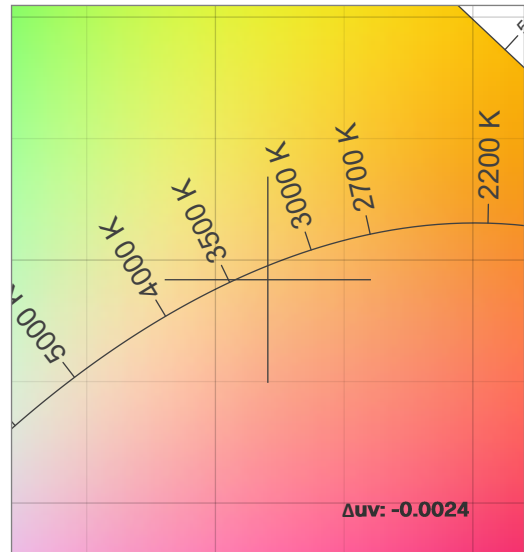
Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 3200K

Chromaticity

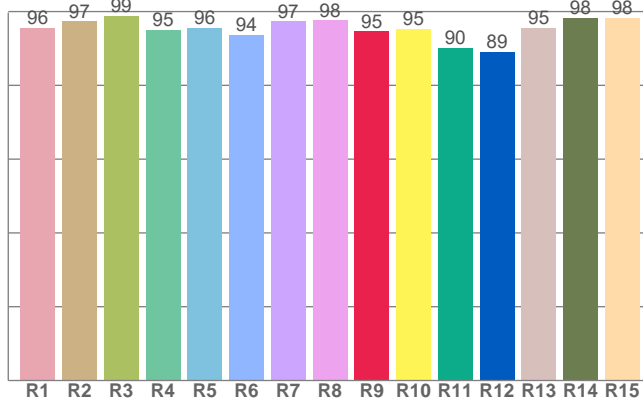
CIE 1931



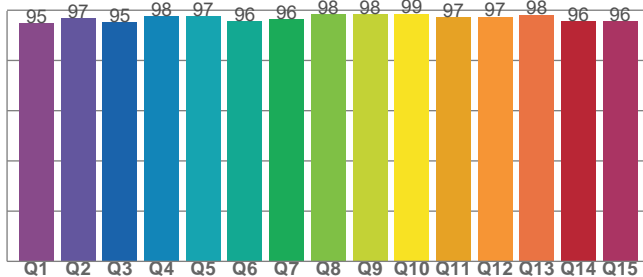
CIE 1931 - Zoom



CRI: 96.4 (R1-R8)



CQS: 96.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3202 K	0.420	0.392

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0024	0.392	0.245

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.4	94.7	96.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
97	95.2	101.9

Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 3200K

TM-30 Details

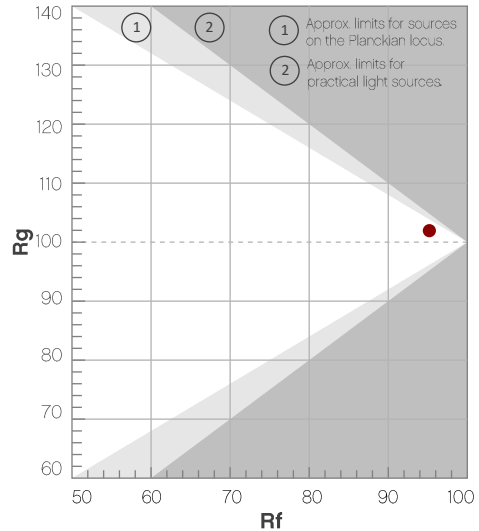
Rf 95.2

Fidelity Index
(R_f)

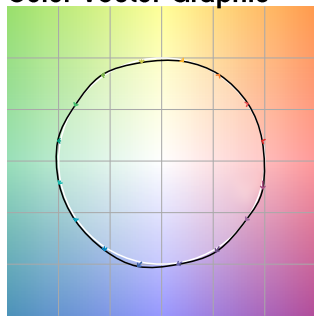
Rg 101.9

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	98	0%	0%
3	96	1%	0%
4	97	-1%	-2%
5	95	-2%	0%
6	96	2%	2%
7	94	0%	2%
8	96	3%	0%
9	96	2%	2%
10	96	2%	2%
11	95	3%	2%
12	92	5%	-3%
13	94	1%	-5%
14	93	2%	-5%
15	93	0%	-2%
16	91	1%	-7%



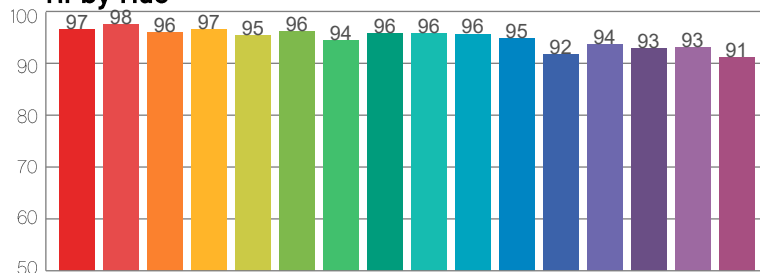
Color Vector Graphic



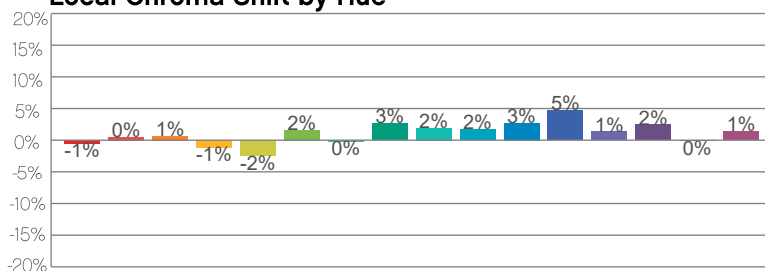
Color Distortion Graphic



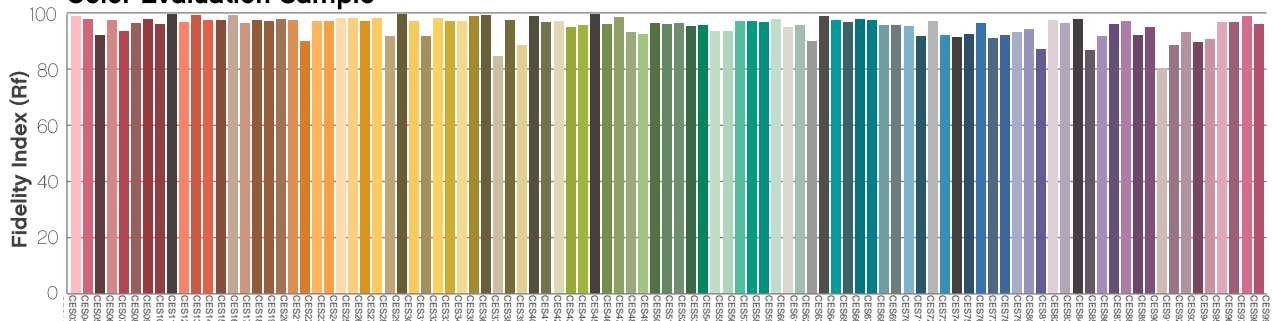
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 5600K

Report Summary

Measurements

Fixture Output: 8354 lm
Fixture Peak: 91330 cd
Fixture Efficacy: 14 lm/W
Intensity @ 5m: 3653 lux
Color Temperature: 5611 K
CRI: 96.1 CRI R9 Value: 92.4
CQS: 91.5
TLCI: 97
TM-30 Rf: 91.7
TM-30 Rg: 101.0
Beam Angle (50%): 19.2°
Field Angle (10%): 20.8°
Cutoff Angle (3%): 22.8°

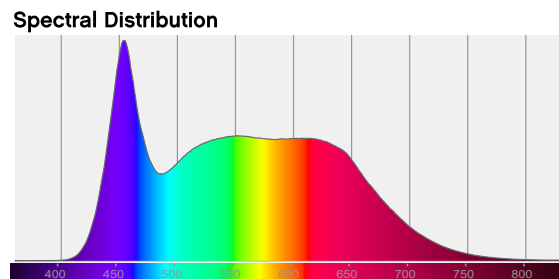
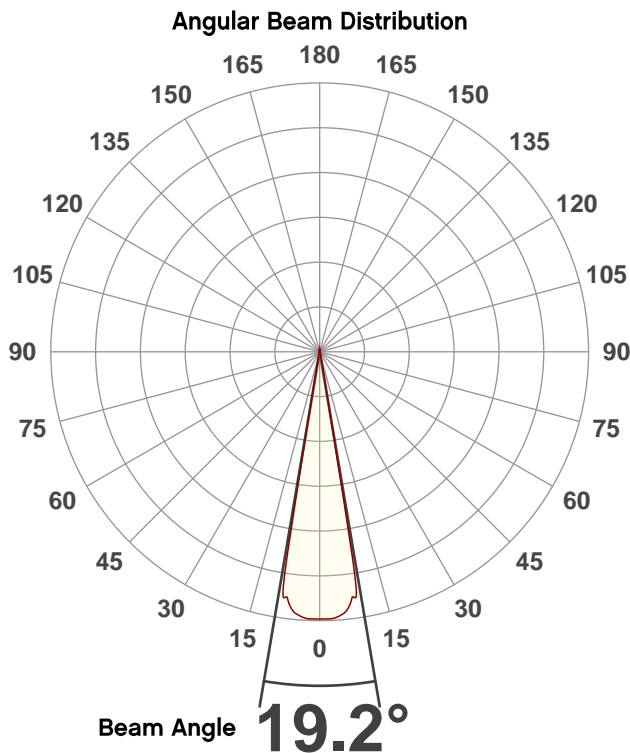
Conditions

AC Supply: 118 V, 60 Hz
Power: 590.91 W
Current: 5.03 A
Power Factor: 0.99



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 11/12/2019 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.330

Y: 0.329

Light Quality

CRI: 96.1

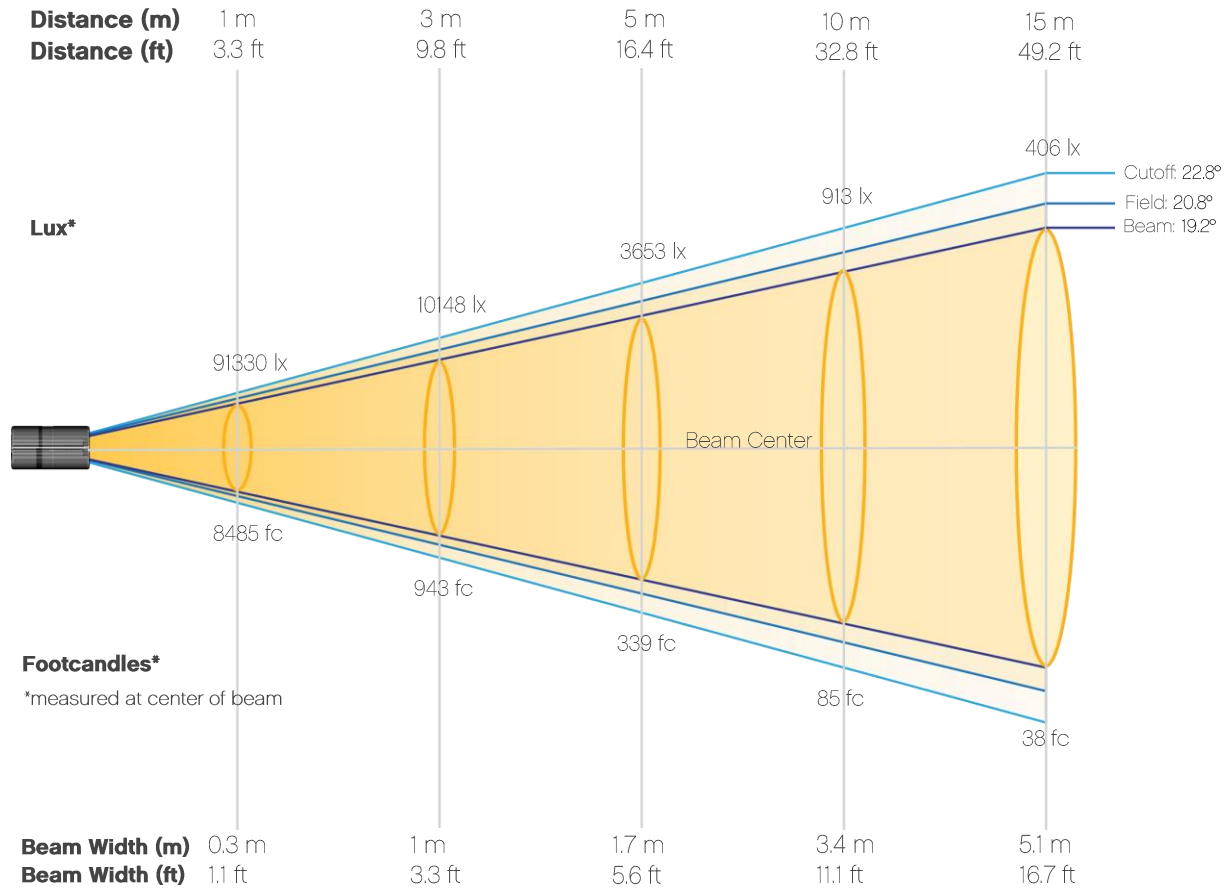
Color Temperature

5611 K

Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 5600K

Beam Details

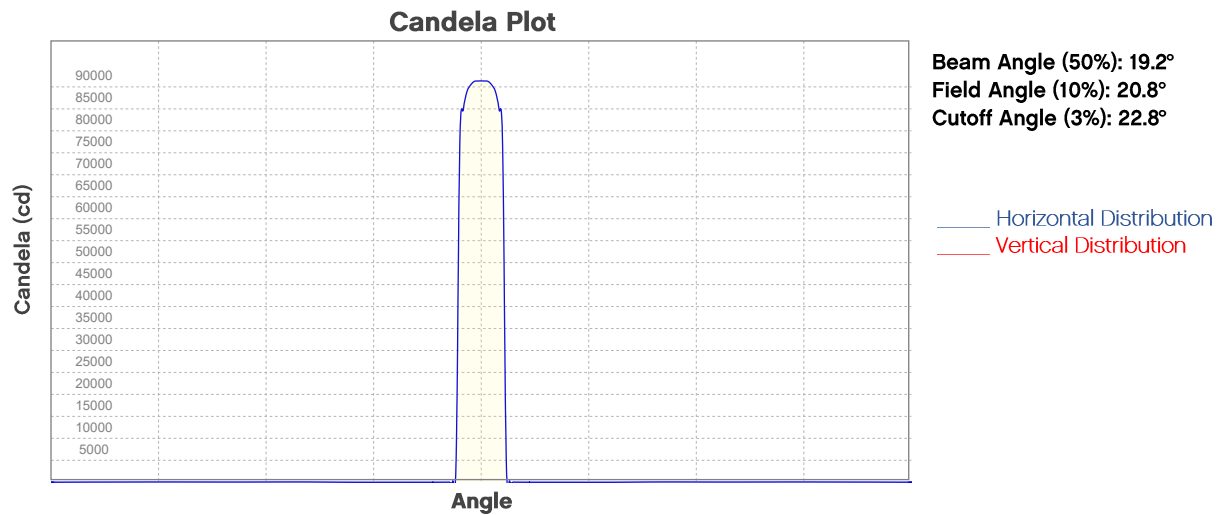


Beam Intensities from 1-20m (3.3-65.6ft)

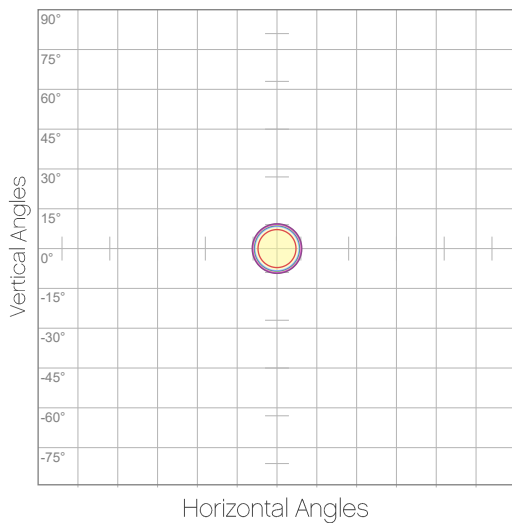
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	91330	22833	10148	5708	3653	2537	1864	1427	1128	913
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	755	634	540	466	406	357	316	282	253	228
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	8485	2121	943	530	339	236	173	133	105	85
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	70	59	50	43	38	33	29	26	24	21

Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 5600K



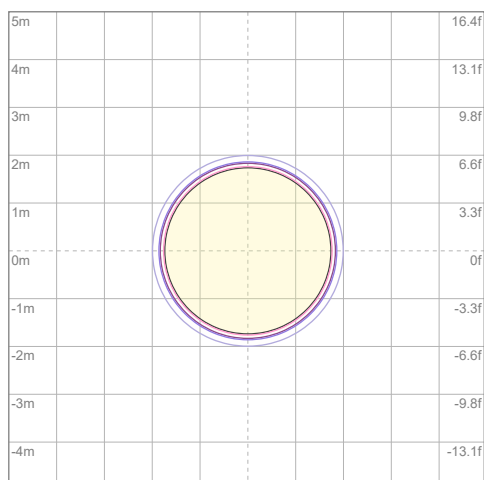
ISO Diagrams



ISO Candela Diagram

10%	9133 cd
20%	18266 cd
30%	27399 cd
40%	36532 cd
50%	45665 cd
60%	54798 cd
70%	63931 cd
80%	73064 cd
90%	82197 cd

Conditions:
 Number of c-planes: 2
 Candela at center: 91330 cd



ISO Lux Diagram

3%	27.4 lx
5%	45.7 lx
10%	91.3 lx
30%	274 lx
50%	457 lx

Conditions:
 Number of c-planes: 2
 Candela at center: 913 lx

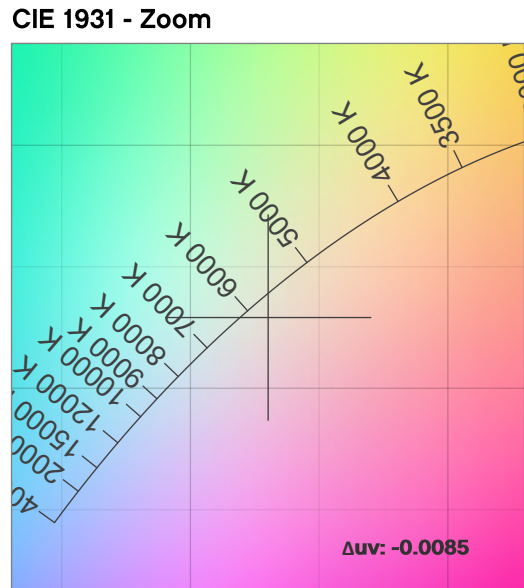
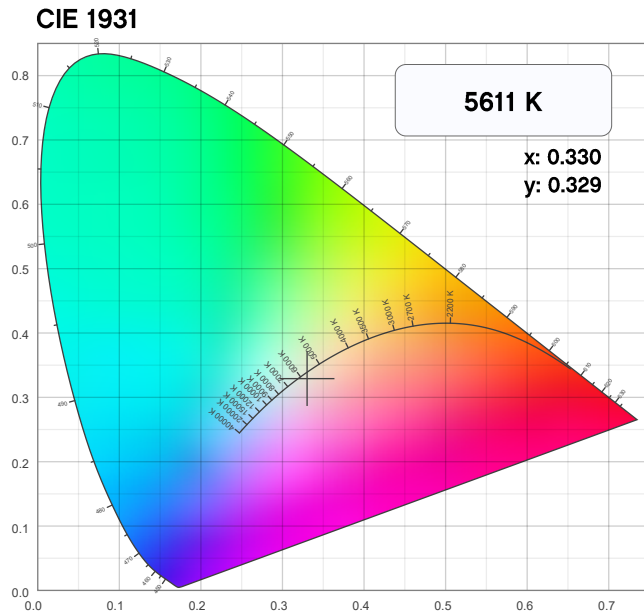
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

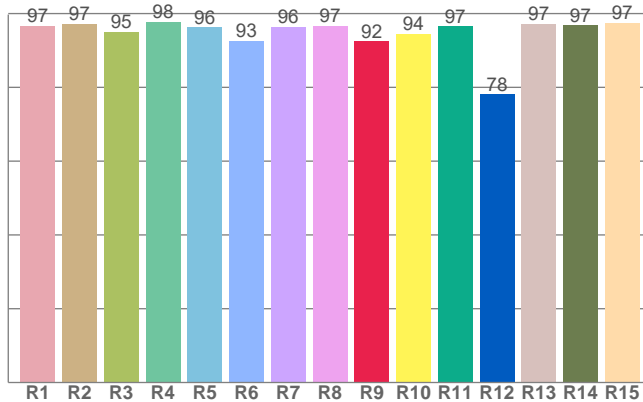
Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 5600K

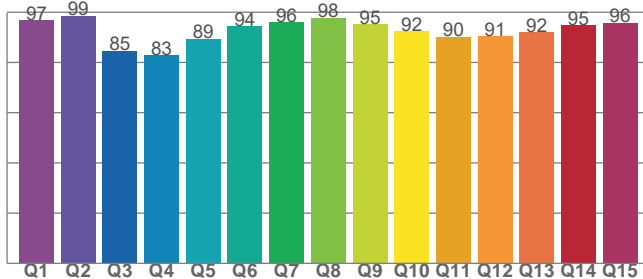
Chromaticity



CRI: 96.1 (R1-R8)



CQS: 91.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5611 K	0.330	0.329

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0085	0.329	0.210

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
96.1	92.4	91.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
97	91.7	101.0

Photometric & Chromaticity Report

Maverick Silens 2 Profile: 50% Zoom-w/CTO Filter, 5600K

TM-30 Details

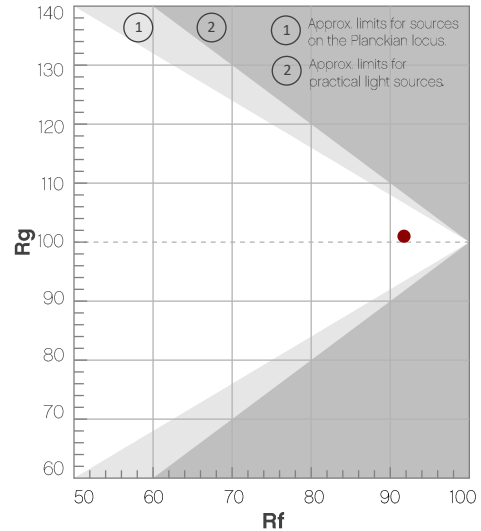
Rf 91.7

Fidelity Index
(R_f)

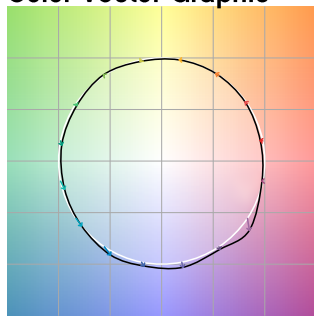
Rg 101.0

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-2%	1%
2	94	-1%	3%
3	92	0%	3%
4	93	0%	2%
5	92	-1%	2%
6	96	1%	0%
7	96	-2%	1%
8	92	-2%	4%
9	90	-2%	8%
10	85	0%	9%
11	84	3%	9%
12	93	3%	3%
13	94	5%	0%
14	94	3%	-1%
15	87	8%	-8%
16	96	-1%	0%



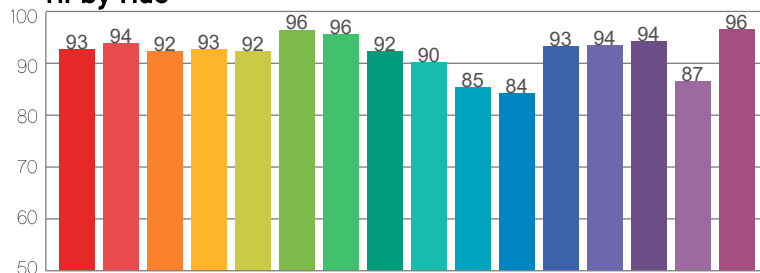
Color Vector Graphic



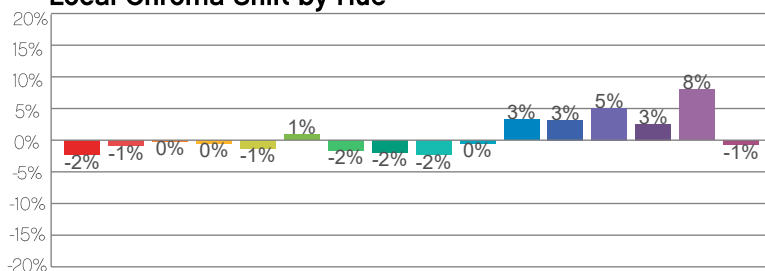
Color Distortion Graphic



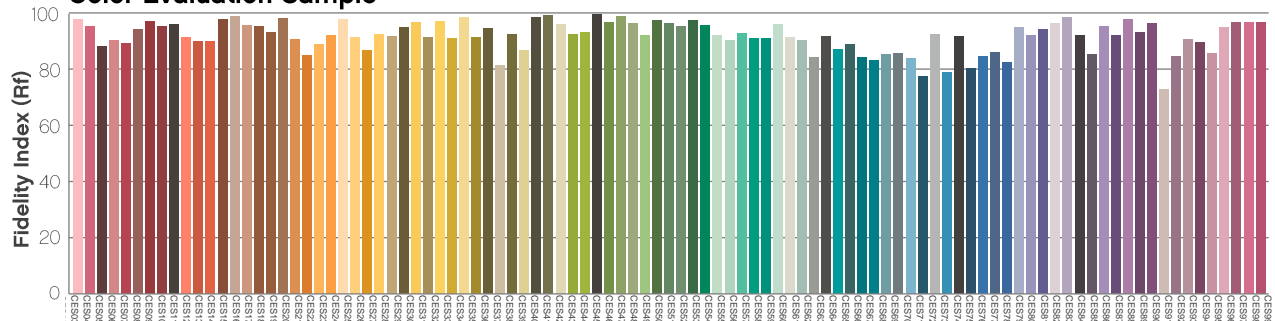
R_f by Hue



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.