STRIKE BOLT 1C

PHOTOMETICS REPORT

CHAUVET PROFESSIONAL

Table of Contents

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.

STRIKE BOLT 1C

Photometrics & Chromaticity Reports

CHAUVET PROFESSIONAL

Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics - Full Power

Report Summary

Measurements

Fixture Output: 20251 lm
Fixture Peak: 15133 cd
Fixture Efficacy: 60 lm/W
Intensity @ 5m: 605 lux
Color Temperature: 5692 K
CRI: 89.2 CRI R9 Value: 51.8
CQS: 85.5
TLCI: 84
TM-30 Rf: 86.3
TM-30 Rg: 101.3
Beam Angle (50%): 77.5° x 55.8°
Field Angle (10%): 130.6° x 104.4°
Cutoff Angle (3%): 157.3° x 145.6°

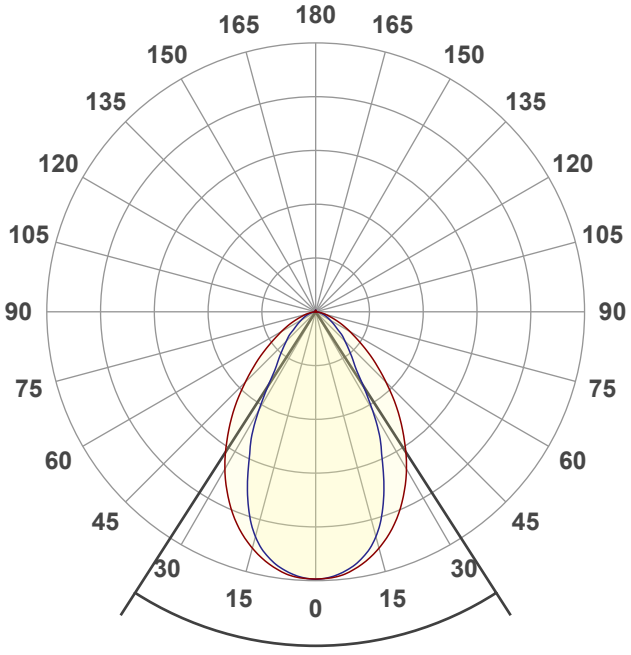
Conditions

AC Supply: 113 V, 60 Hz
Power: 339.37 W
Current: 3.00 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 LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/16/2024 to LM-63-2002 Standards.

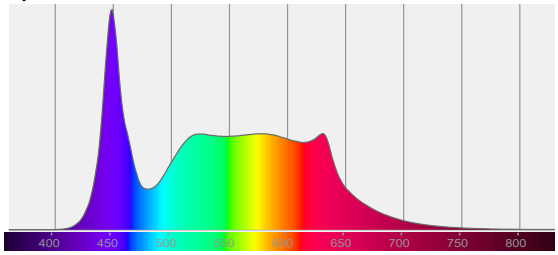
Overall Measurement

Angular Beam Distribution



Beam Angle **65.4°**

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.328
Y: 0.332

Light Quality

CRI: 89.2

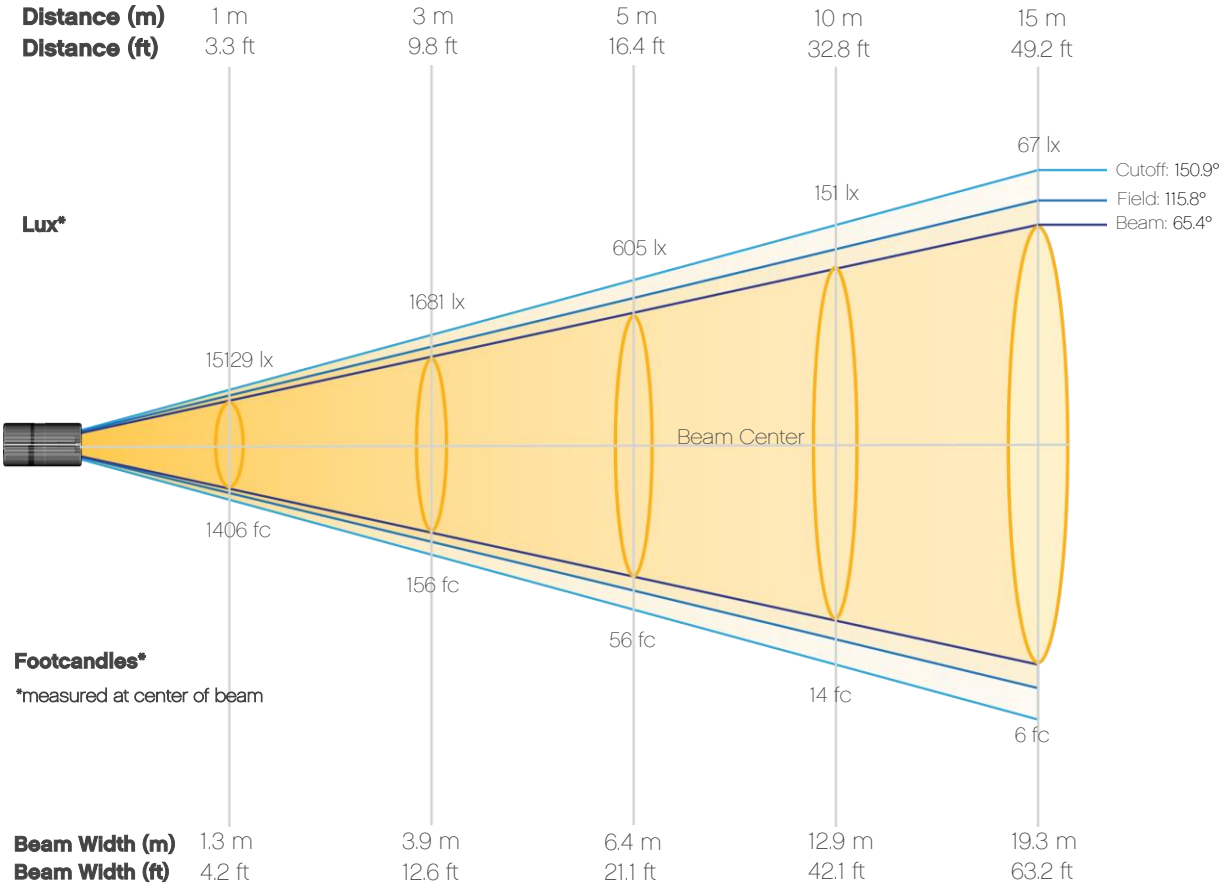
Color Temperature

5692 K

Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics - Full Power

Beam Details

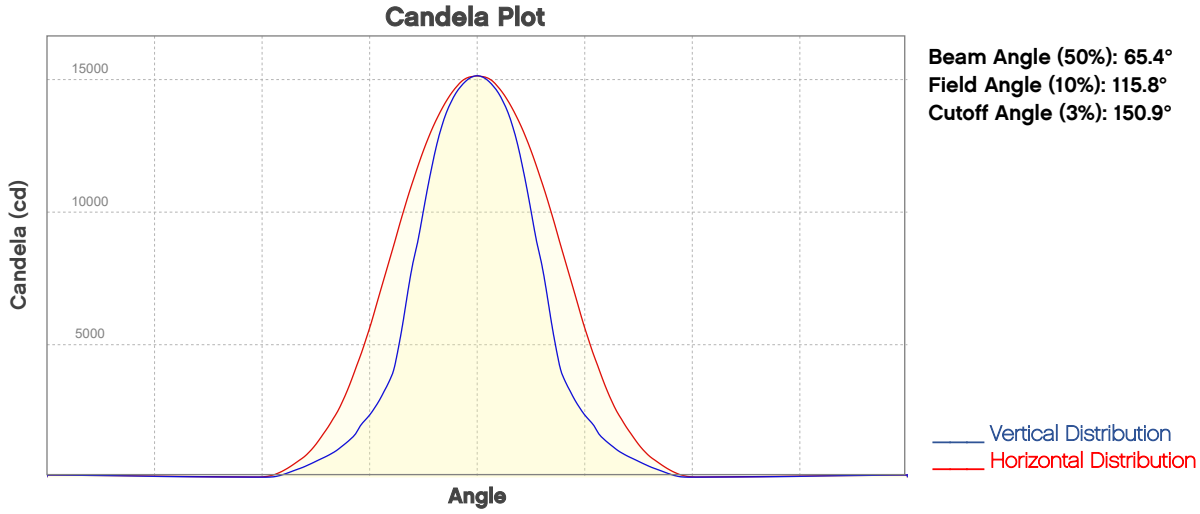


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	15129	3782	1681	946	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	1406	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

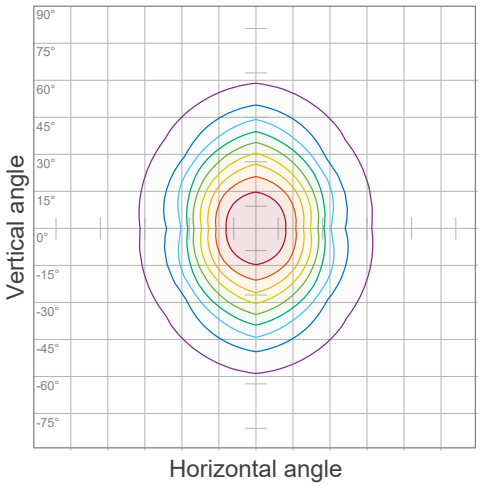
Strike Bolt 1C: Standard Optics - Full Power



Beam Angle (50%): 65.4°
Field Angle (10%): 115.8°
Cutoff Angle (3%): 150.9°

ISO Diagrams

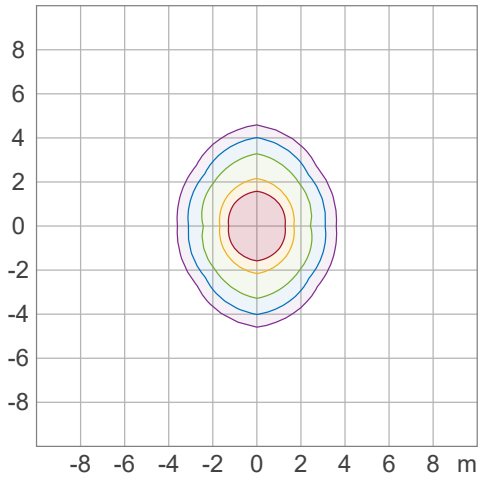
ISO Candela Diagram



90 %	13616.9 cd
80 %	12103.9 cd
70 %	10590.9 cd
60 %	9077.9 cd
50 %	7564.9 cd
40 %	6052.0 cd
30 %	4539.0 cd
20 %	3026.0 cd
10 %	1513.0 cd

Peak intensity: 15129.9 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	840.5 lx
30.0 %	504.3 lx
10.0 %	168.1 lx
5.0 %	84.0 lx
3.0 %	50.4 lx

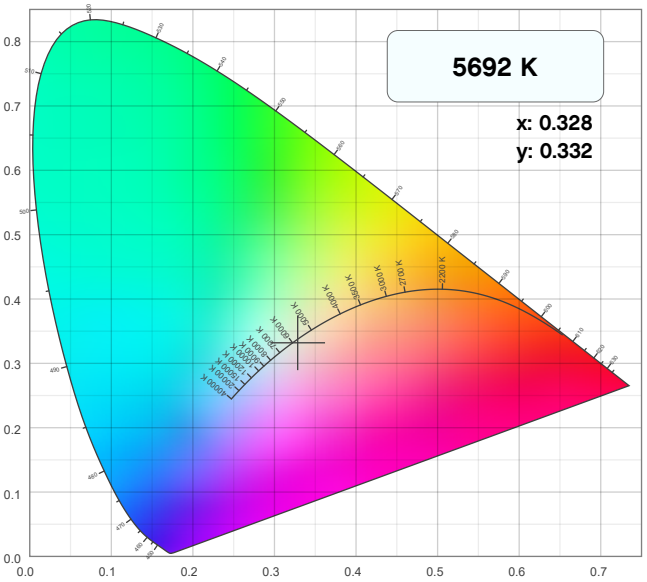
Peak illuminance: 1681.0 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

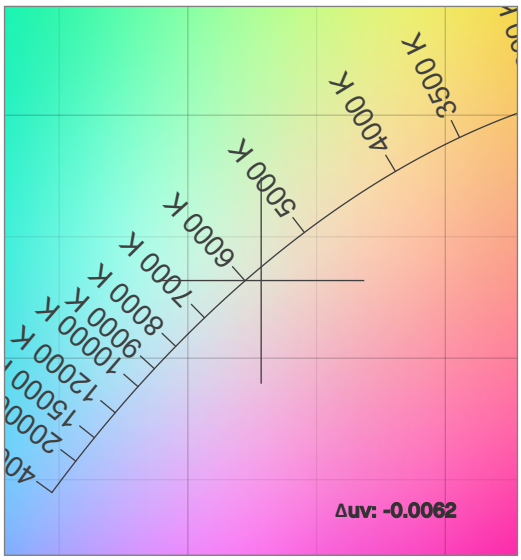
Strike Bolt 1C: Standard Optics - Full Power

Chromaticity

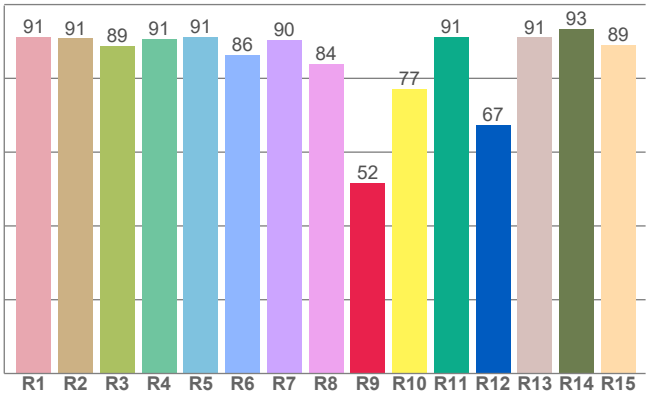
CIE 1931



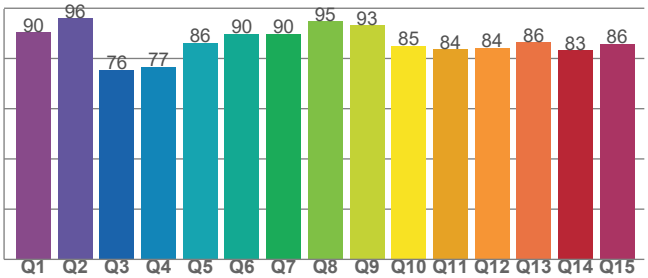
CIE 1931 - Zoom



CRI: 89.2 (R1-R8)



CQS: 85.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5692 K	0.328	0.332

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0062	0.332	0.208

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
89.2	51.8	85.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
84	86.3	101.3

Photometric & Chromaticity Report

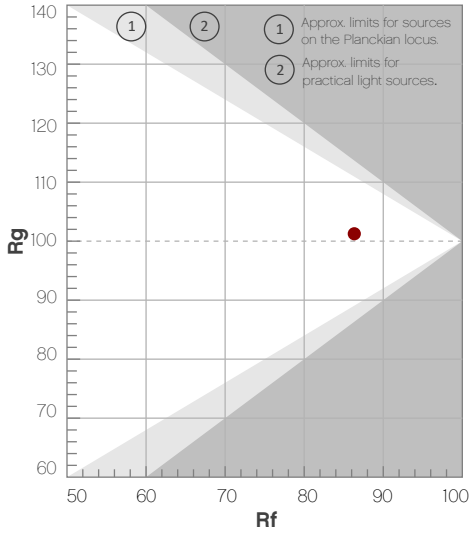
Strike Bolt 1C: Standard Optics - Full Power

TM-30 Details

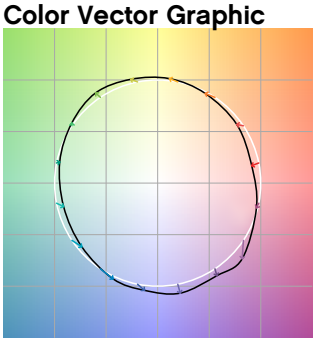
Rf 86.3
Fidelity Index (Rg)

Rg 101.3
Gammut Index (Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	86	-7%	-1%
2	89	-5%	5%
3	82	-2%	10%
4	86	2%	9%
5	86	4%	6%
6	91	6%	1%
7	95	2%	-2%
8	93	-3%	-1%
9	90	-6%	5%
10	81	-5%	10%
11	75	1%	16%
12	86	5%	8%
13	89	9%	1%
14	88	7%	-2%
15	80	9%	-15%
16	92	-1%	-5%

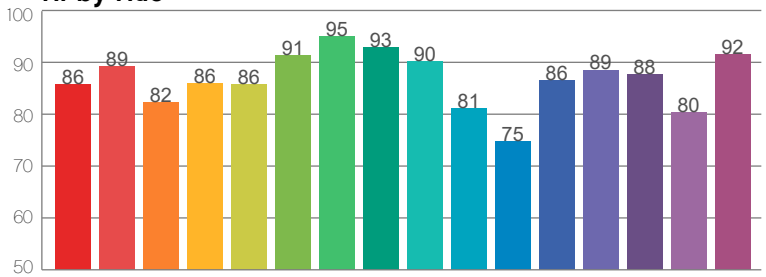


Color Vector Graphic

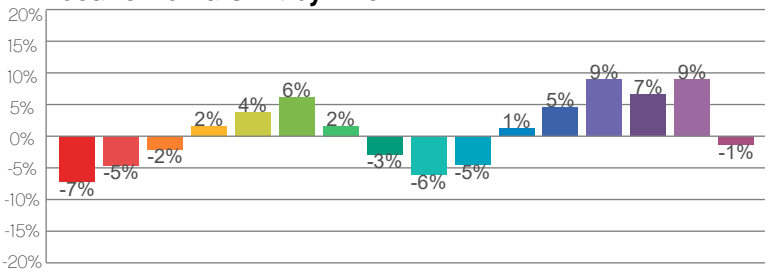


Color Distortion Graphic

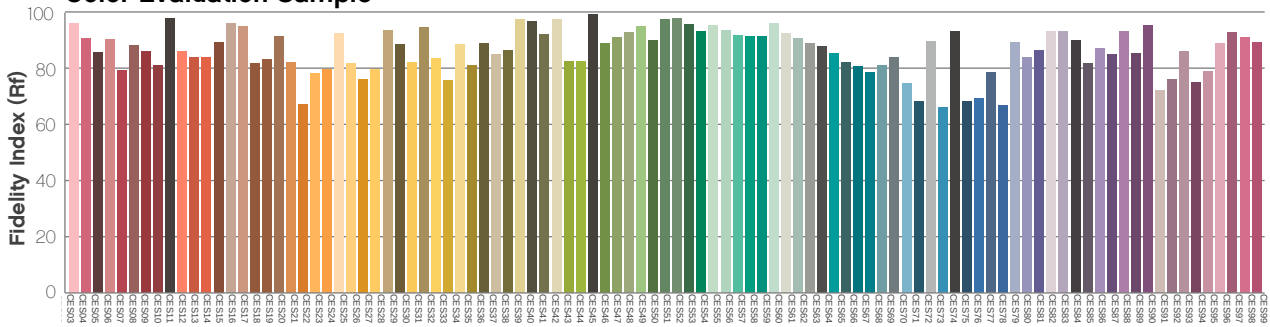
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics - White

Report Summary

Measurements

Fixture Output: 23736 lm
Fixture Peak: 18242 cd
Fixture Efficacy: 70 lm/W
Intensity @ 5m: 729 lux
Color Temperature: 5660 K
CRI: 81.0 CRI R9 Value: -4.5
CQS: 80.0
TLCI: 71
TM-30 Rf: 82.7
TM-30 Rg: 95.2
Beam Angle (50%): 77.7° x 54.7°
Field Angle (10%): 129.1° x 102.3°
Cutoff Angle (3%): 156° x 143.6°

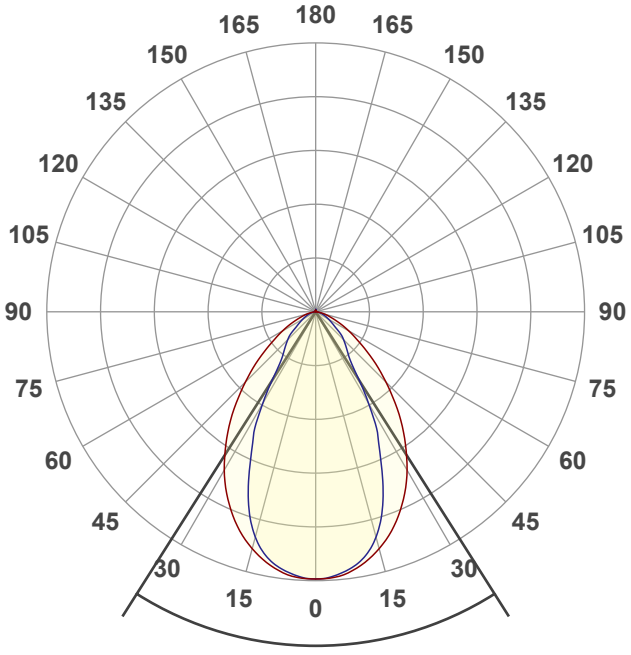
Conditions

AC Supply: 113 V, 60 Hz
Power: 340.74 W
Current: 3.02 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 LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/16/2024 to LM-63-2002 Standards.

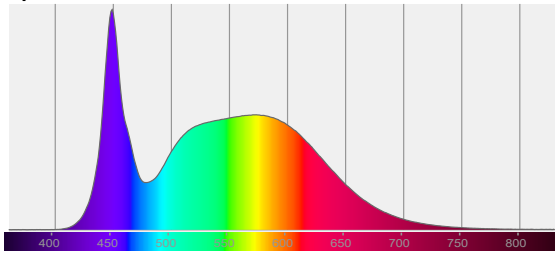
Overall Measurement

Angular Beam Distribution



Beam Angle 64.8°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.329
Y: 0.349

Light Quality

CRI: 81.0

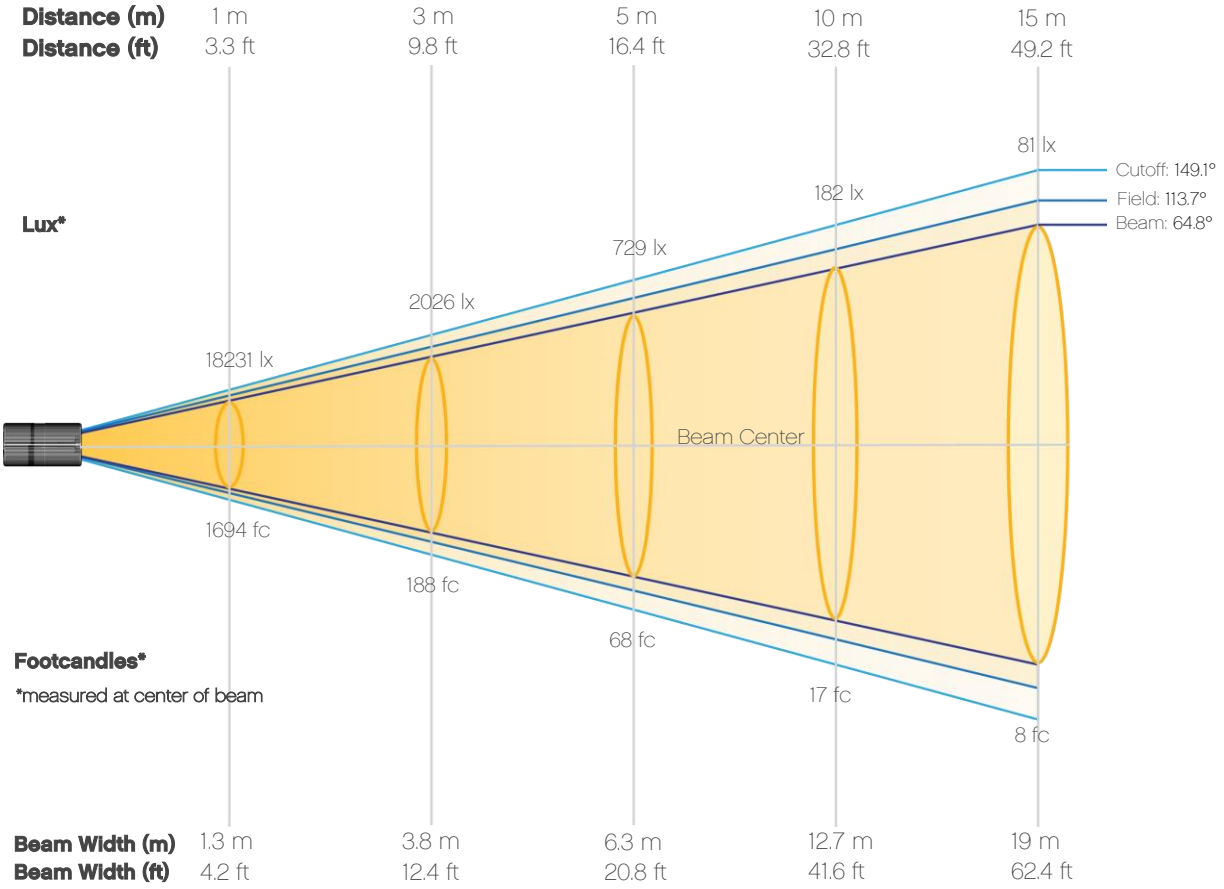
Color Temperature

5660 K

Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics - White

Beam Details

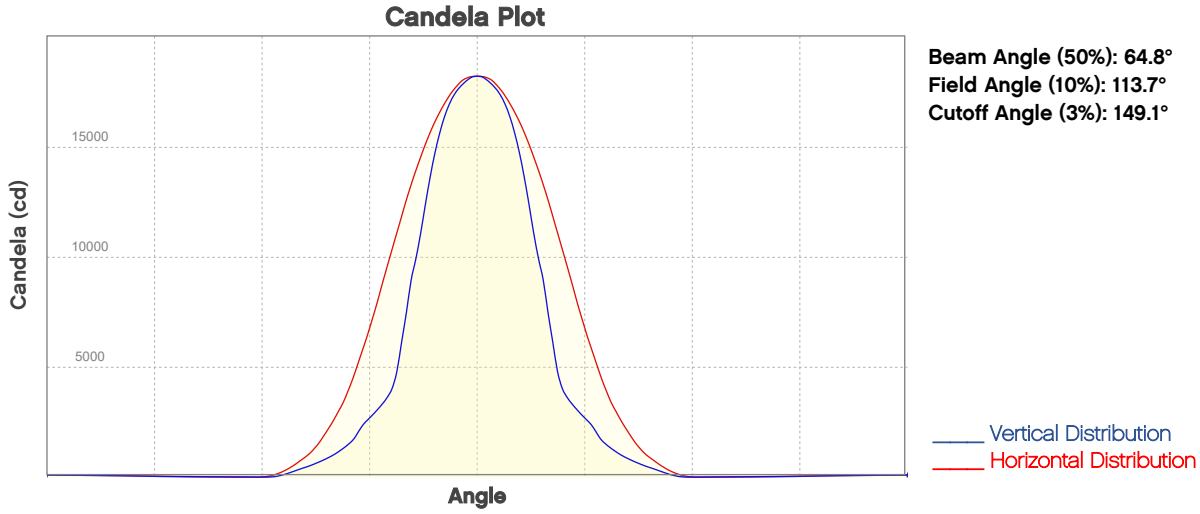


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	18231	4558	2026	1139	729	506	372	285	225	182
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	151	127	108	93	81	71	63	56	51	46
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	1694	423	188	106	68	47	35	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	8	7	6	5	5	4

Photometric & Chromaticity Report

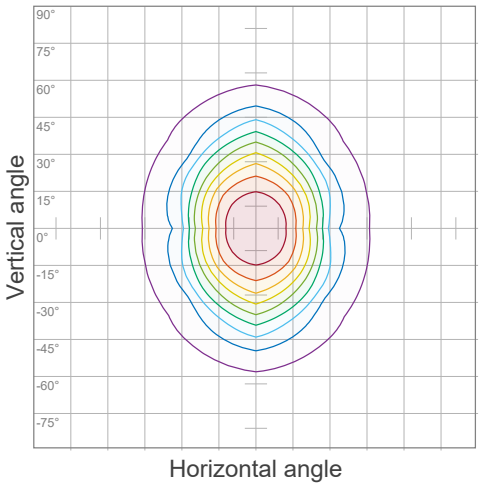
Strike Bolt 1C: Standard Optics - White



Beam Angle (50%): 64.8°
Field Angle (10%): 113.7°
Cutoff Angle (3%): 149.1°

ISO Diagrams

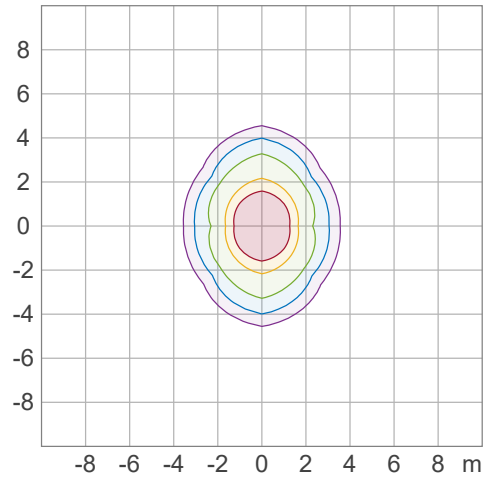
ISO Candela Diagram



90 %	16414.7 cd
80 %	14590.9 cd
70 %	12767.0 cd
60 %	10943.2 cd
50 %	9119.3 cd
40 %	7295.4 cd
30 %	5471.6 cd
20 %	3647.7 cd
10 %	1823.9 cd

Peak intensity: 18238.6 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	1012.8 lx
30.0 %	607.7 lx
10.0 %	202.6 lx
5.0 %	101.3 lx
3.0 %	60.8 lx

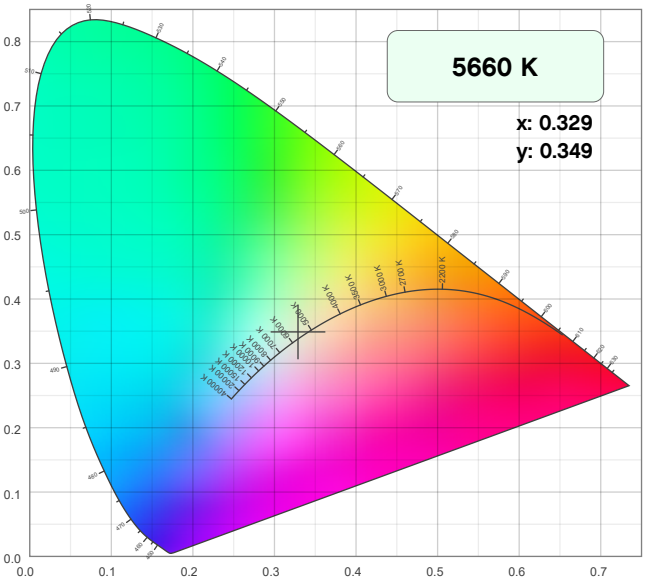
Peak illuminance: 2025.6 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

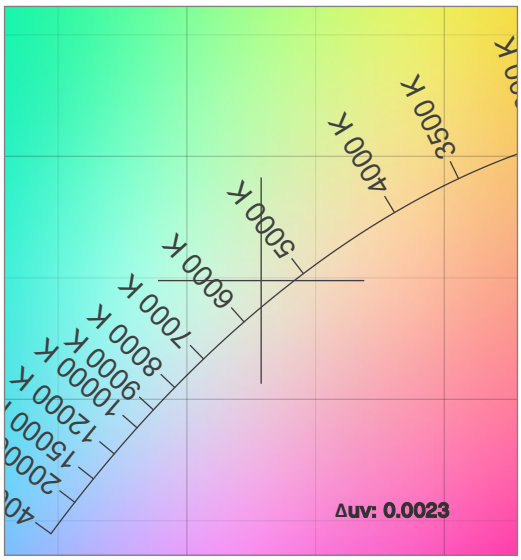
Strike Bolt 1C: Standard Optics - White

Chromaticity

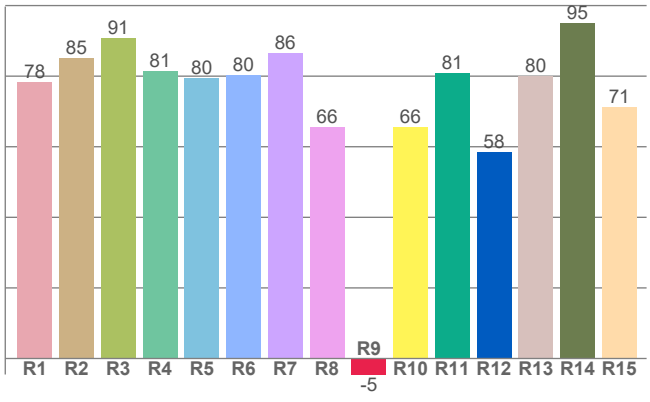
CIE 1931



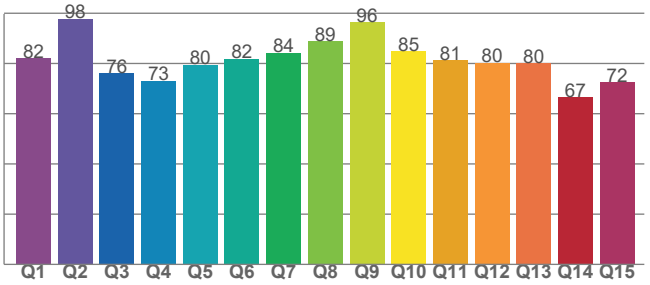
CIE 1931 - Zoom



CRI: 81.0 (R1-R8)



CQS: 80.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5660 K	0.329	0.349

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0023	0.349	0.201

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
81.0	-4.5	80.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
71	82.7	95.2

Photometric & Chromaticity Report

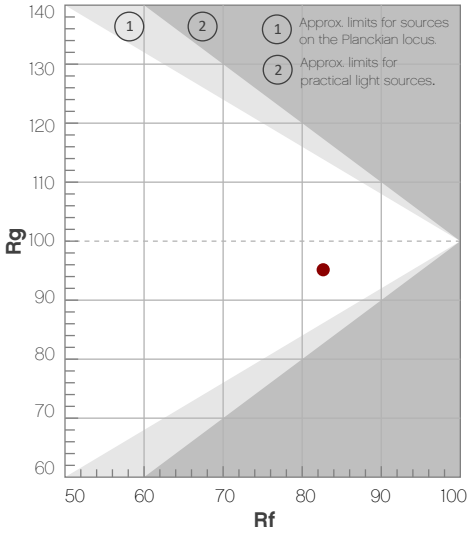
Strike Bolt 1C: Standard Optics - White

TM-30 Details

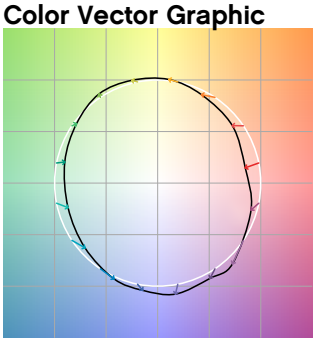
Rf 82.7
Fidelity Index (Rg)

Rg 95.2
Gammut Index (Rg)

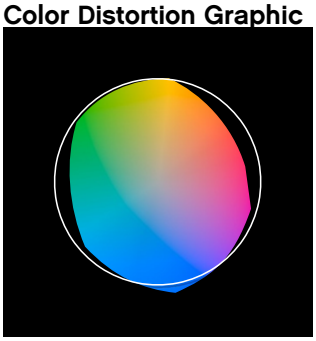
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	74	-14%	-2%
2	83	-9%	6%
3	77	-5%	12%
4	85	1%	9%
5	87	3%	5%
6	94	3%	-1%
7	92	-3%	-4%
8	86	-8%	-2%
9	86	-10%	6%
10	76	-7%	13%
11	74	1%	16%
12	88	5%	6%
13	87	9%	-4%
14	82	5%	-9%
15	72	4%	-25%
16	83	-6%	-8%



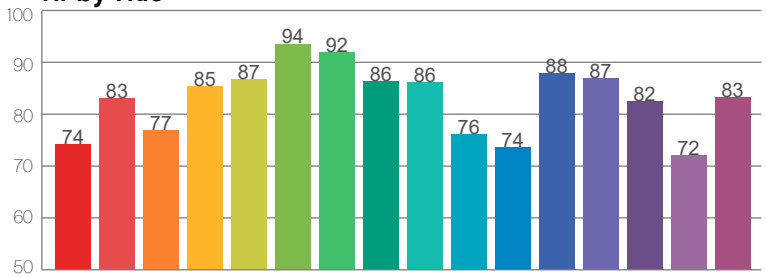
Color Vector Graphic



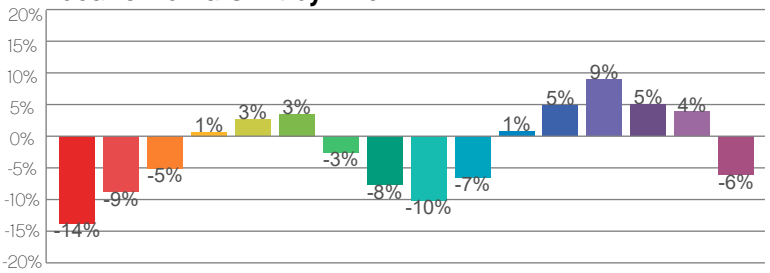
Color Distortion Graphic



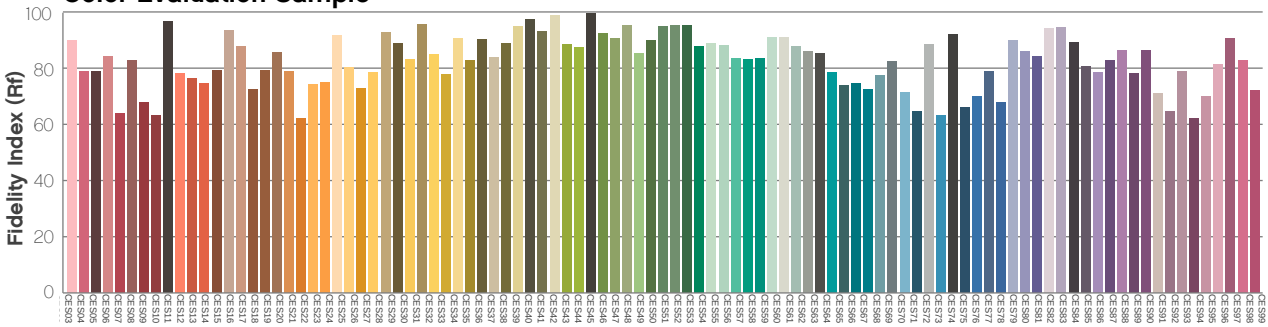
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics-w/Frost - Full Power

Report Summary

Measurements

Fixture Output: 17080 lm
Fixture Peak: 7383 cd
Fixture Efficacy: 51 lm/W
Intensity @ 5m: 295 lux
Color Temperature: 5554 K
CRI: 88.8 CRI R9 Value: 48.7
CQS: 85.5
TLCI: 84
TM-30 Rf: 86.4
TM-30 Rg: 100.9
Beam Angle (50%): 97.2° x 91.4°
Field Angle (10%): 154.6° x 149.3°
Cutoff Angle (3%): 170.2° x 164.6°

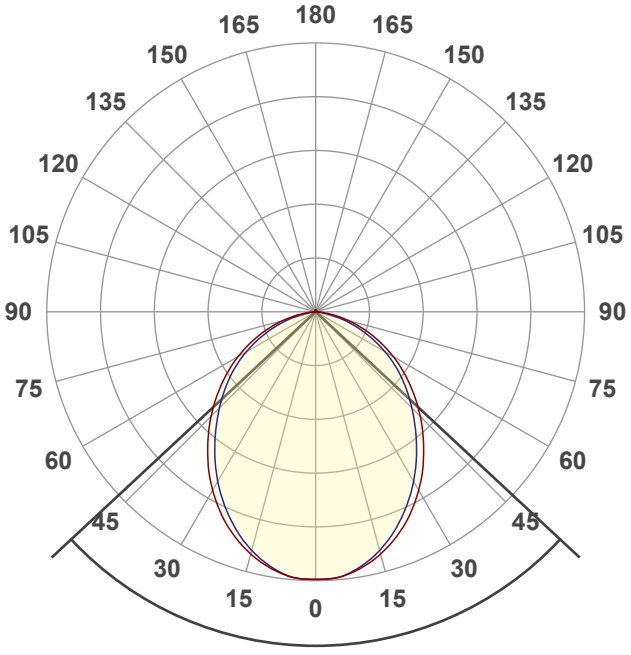
Conditions

AC Supply: 114 V, 60 Hz
Power: 335.43 W
Current: 2.95 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 LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/16/2024 to LM-63-2002 Standards.

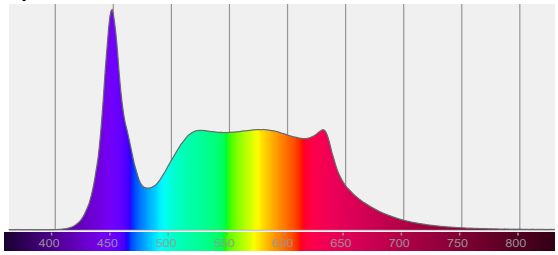
Overall Measurement

Angular Beam Distribution



Beam Angle 94.1°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.331
Y: 0.336

Light Quality

CRI: 88.8

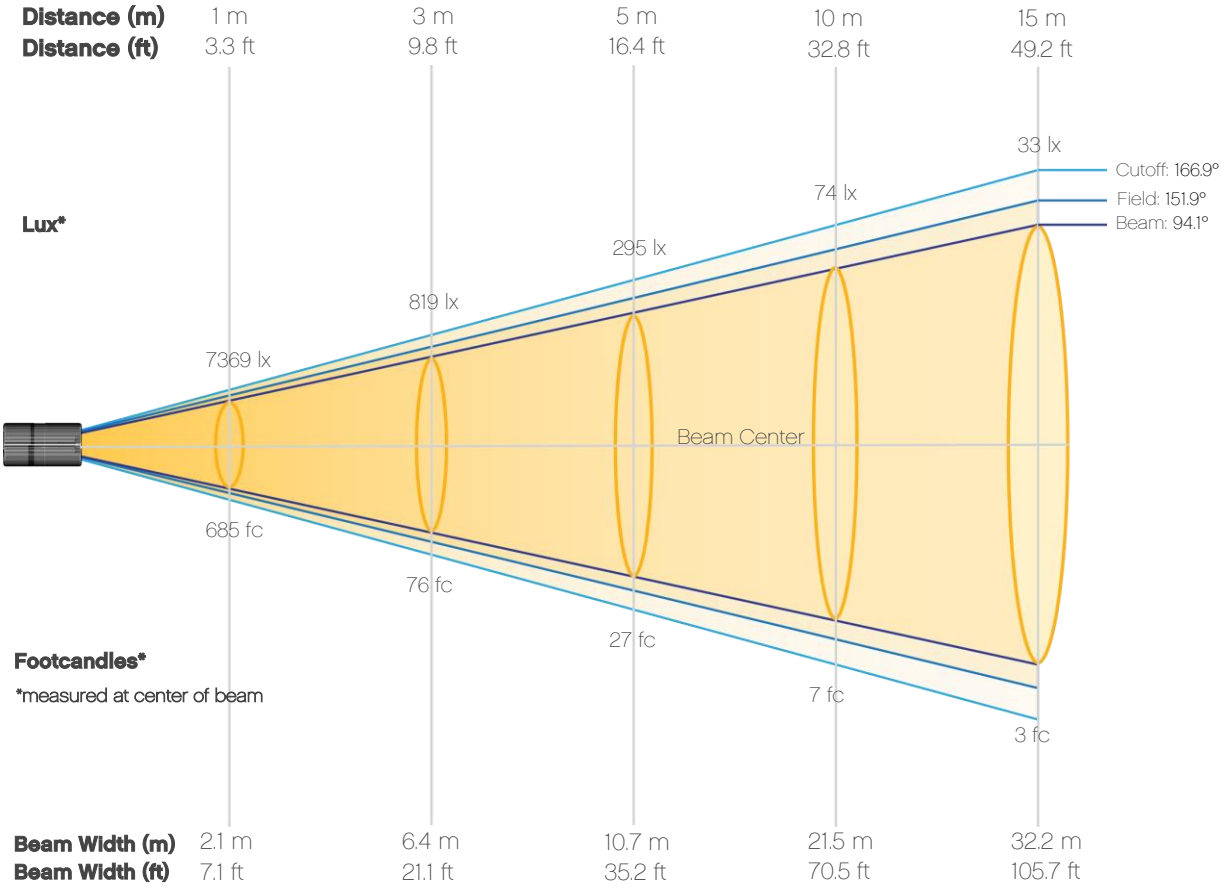
Color Temperature

5554 K

Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics-w/Frost - Full Power

Beam Details



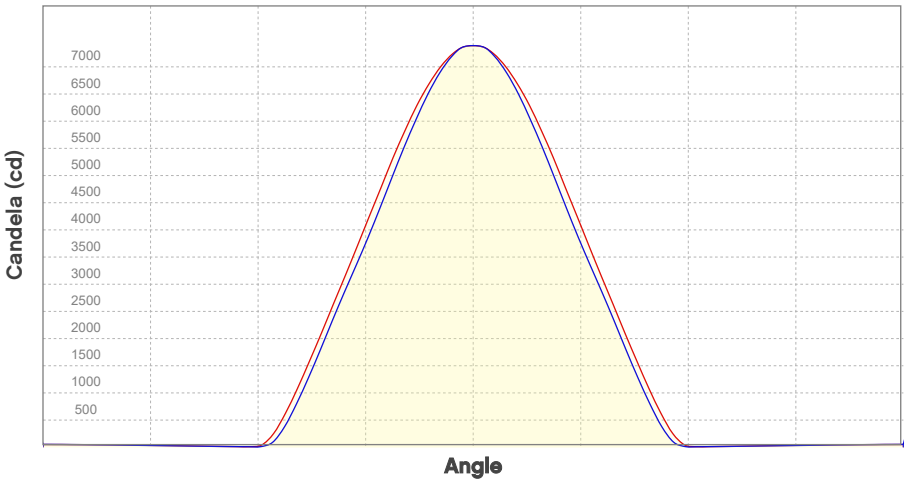
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7369	1842	819	461	295	205	150	115	91	74
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	61	51	44	38	33	29	25	23	20	18
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	685	171	76	43	27	19	14	11	8	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	3	3	3	2	2	2	2

Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics-w/Frost - Full Power

Candela Plot

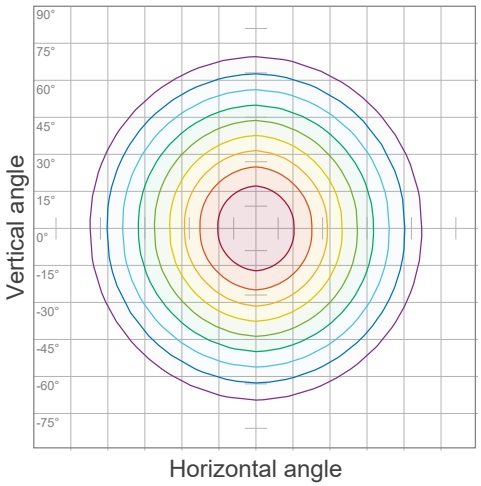


Beam Angle (50%): 94.1°
Field Angle (10%): 151.9°
Cutoff Angle (3%): 166.9°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

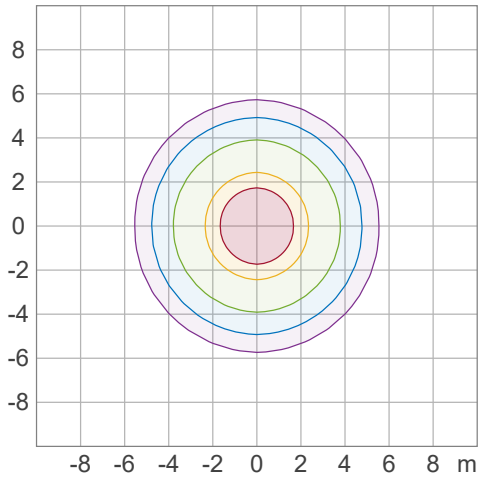
ISO Candela Diagram



90 %	6639.1 cd
80 %	5901.5 cd
70 %	5163.8 cd
60 %	4426.1 cd
50 %	3688.4 cd
40 %	2950.7 cd
30 %	2213.0 cd
20 %	1475.4 cd
10 %	737.7 cd

Peak intensity: 7376.8 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	409.6 lx
30.0 %	245.8 lx
10.0 %	81.9 lx
5.0 %	41.0 lx
3.0 %	24.6 lx

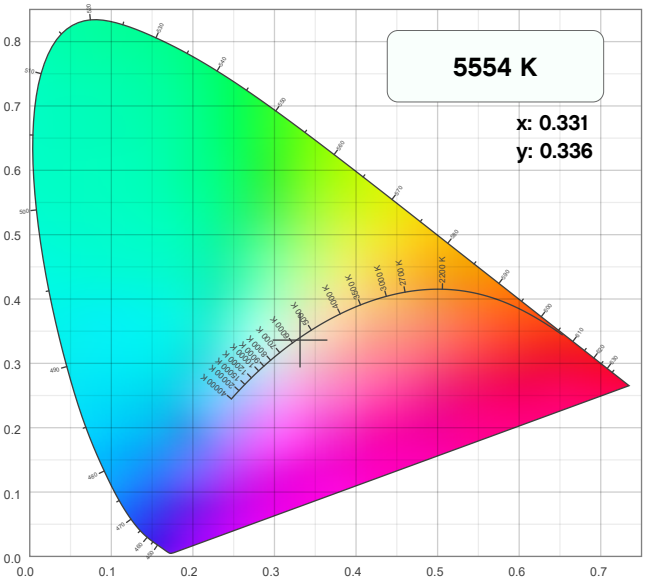
Peak illuminance: 819.3 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

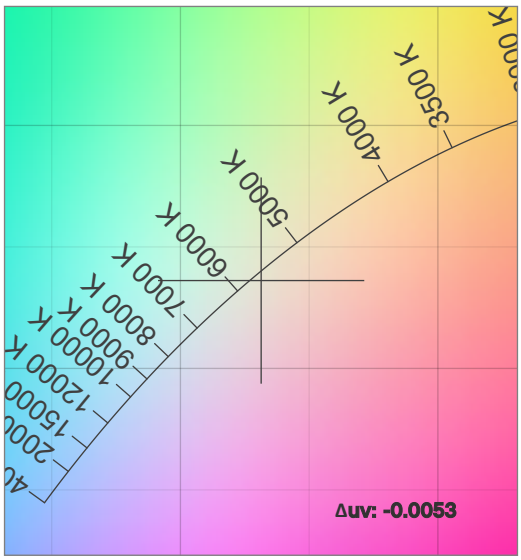
Strike Bolt 1C: Standard Optics-w/Frost - Full Power

Chromaticity

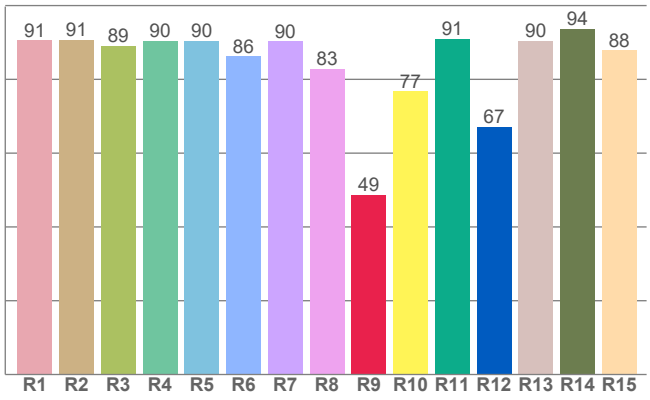
CIE 1931



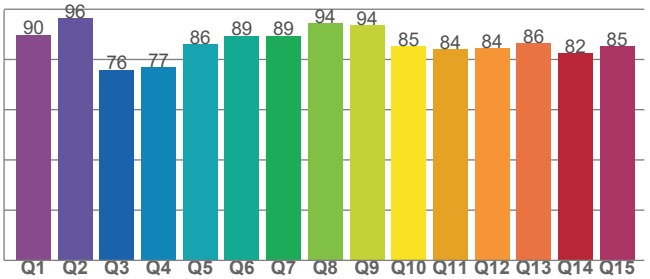
CIE 1931 - Zoom



CRI: 88.8 (R1-R8)



CQS: 85.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5554 K	0.331	0.336

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0053	0.336	0.208

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
88.8	48.7	85.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
84	86.4	100.9

Photometric & Chromaticity Report

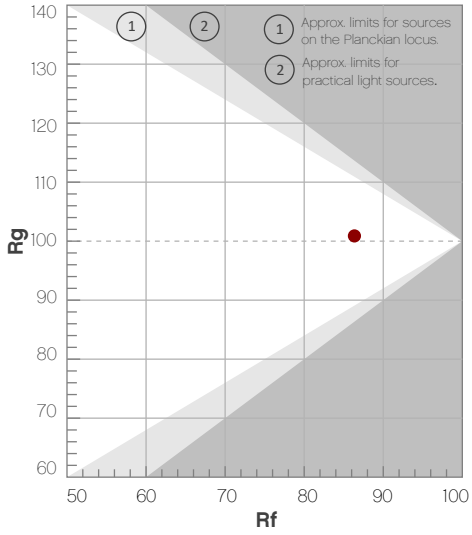
Strike Bolt 1C: Standard Optics-w/Frost - Full Power

TM-30 Details

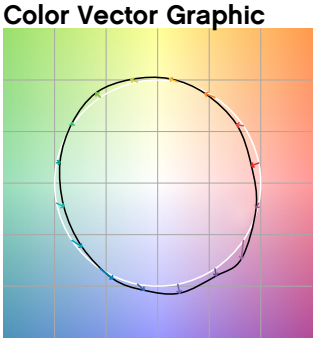
Rf 86.4
Fidelity Index
(Rg)

Rg 100.9
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	85	-8%	-1%
2	89	-5%	5%
3	82	-2%	10%
4	86	1%	8%
5	87	4%	6%
6	91	6%	1%
7	95	1%	-2%
8	93	-3%	-2%
9	90	-6%	5%
10	81	-5%	10%
11	75	1%	15%
12	87	5%	7%
13	89	9%	0%
14	88	6%	-3%
15	80	8%	-16%
16	91	-2%	-5%

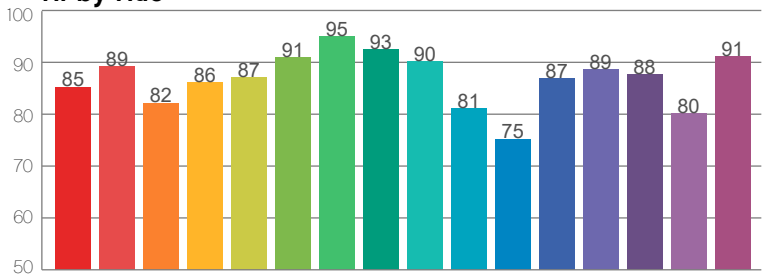


Color Vector Graphic

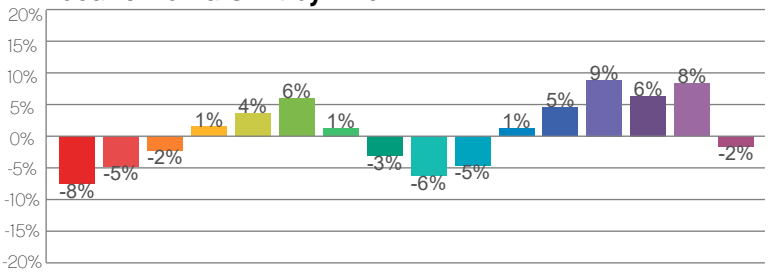


Color Distortion Graphic

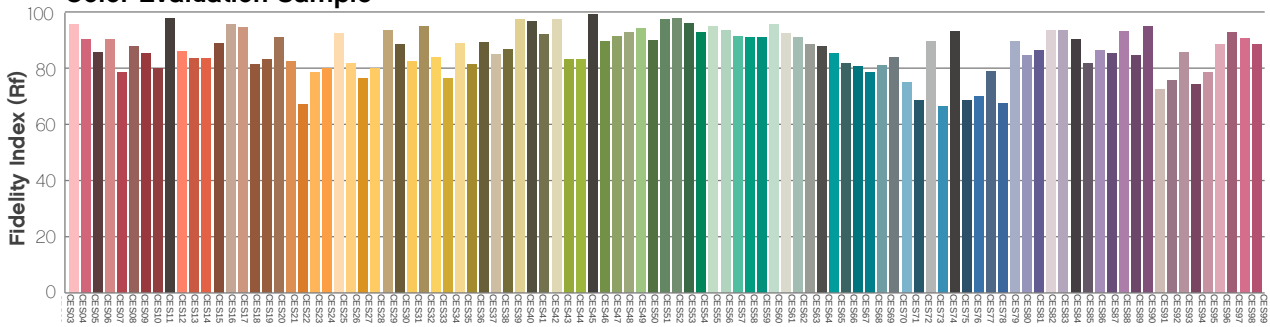
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics-w/Frost - White

Report Summary

Measurements

Fixture Output: 20101 lm
Fixture Peak: 8762 cd
Fixture Efficacy: 59 lm/W
Intensity @ 5m: 350 lux
Color Temperature: 5519 K
CRI: 80.5 CRI R9 Value: -7.2
CQS: 79.9
TLCI: 70
TM-30 Rf: 82.6
TM-30 Rg: 94.9
Beam Angle (50%): 96.6° x 90.6°
Field Angle (10%): 154.3° x 149.1°
Cutoff Angle (3%): 169.9° x 164.4°

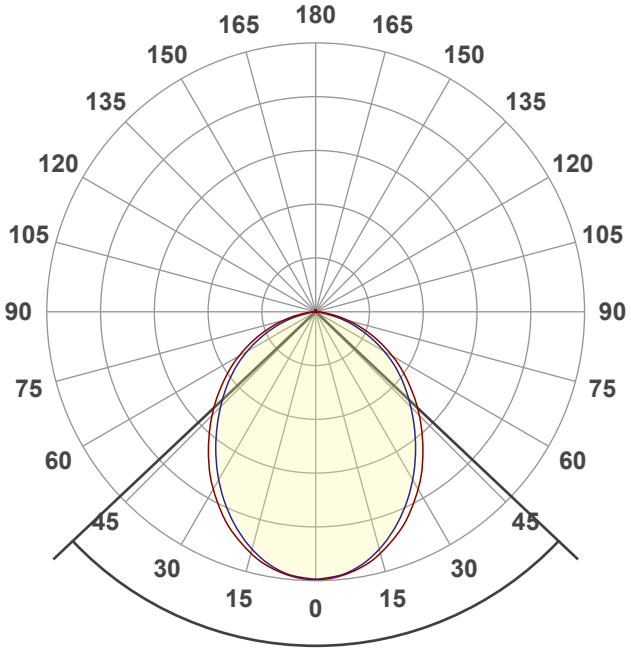
Conditions

AC Supply: 113 V, 60 Hz
Power: 338.92 W
Current: 3.01 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 LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/16/2024 to LM-63-2002 Standards.

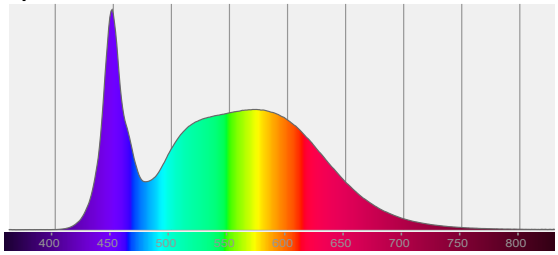
Overall Measurement

Angular Beam Distribution



Beam Angle **93.3°**

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.332
Y: 0.354

Light Quality

CRI: 80.5

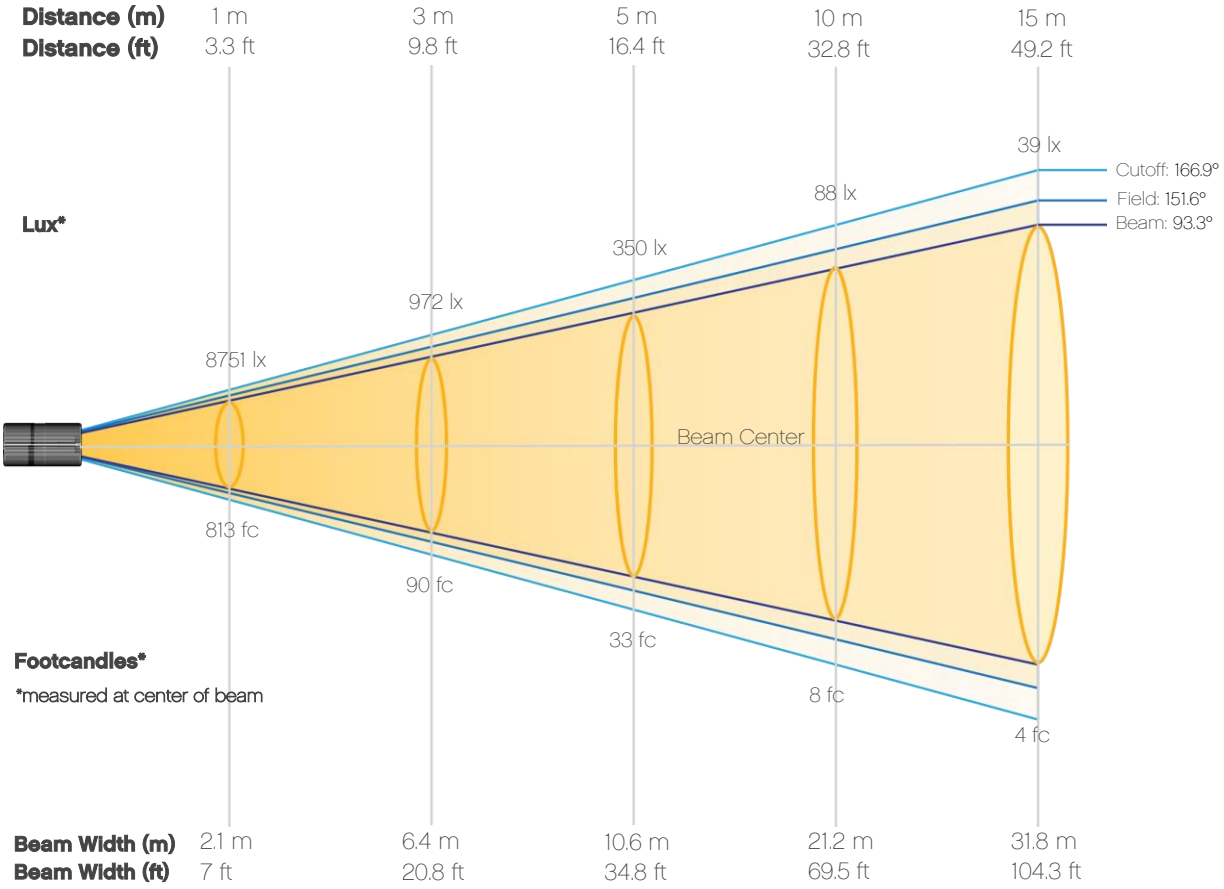
Color Temperature

5519 K

Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics-w/Frost - White

Beam Details



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

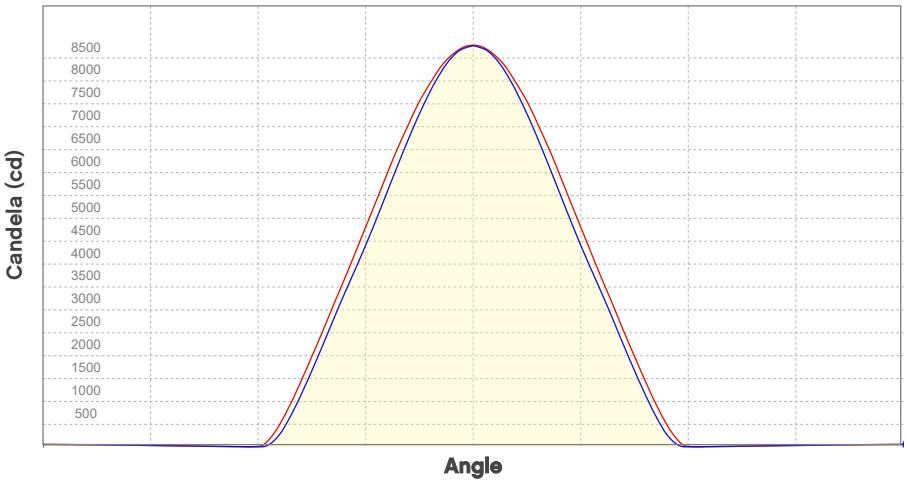
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	8751	2188	972	547	350	243	179	137	108	88
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	72	61	52	45	39	34	30	27	24	22
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	813	203	90	51	33	23	17	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	3	2	2

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

Photometric & Chromaticity Report

Strike Bolt 1C: Standard Optics-w/Frost - White

Candela Plot

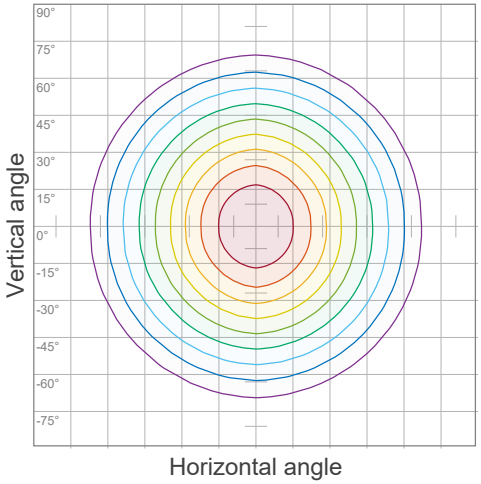


Beam Angle (50%): 93.3°
Field Angle (10%): 151.6°
Cutoff Angle (3%): 166.9°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

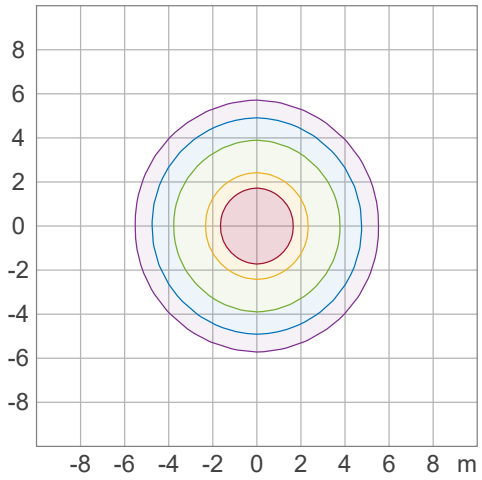
ISO Candela Diagram



90 %	7885.4 cd
80 %	7009.2 cd
70 %	6133.1 cd
60 %	5256.9 cd
50 %	4380.8 cd
40 %	3504.6 cd
30 %	2628.5 cd
20 %	1752.3 cd
10 %	876.2 cd

Peak intensity: 8761.5 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	486.5 lx
30.0 %	291.9 lx
10.0 %	97.3 lx
5.0 %	48.7 lx
3.0 %	29.2 lx

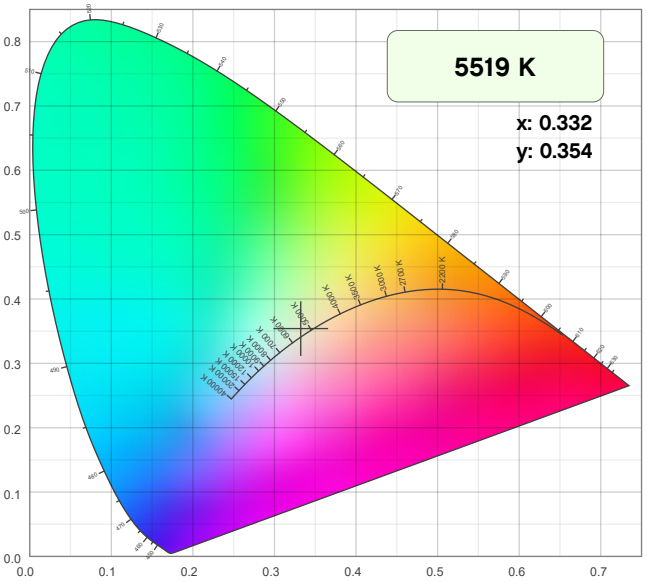
Peak illuminance: 973.1 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

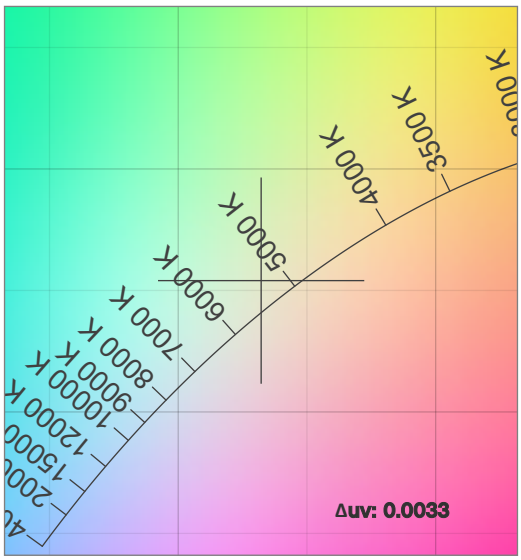
Strike Bolt 1C: Standard Optics-w/Frost - White

Chromaticity

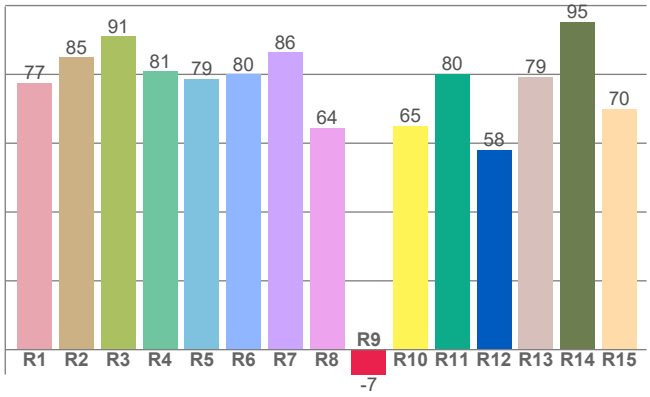
CIE 1931



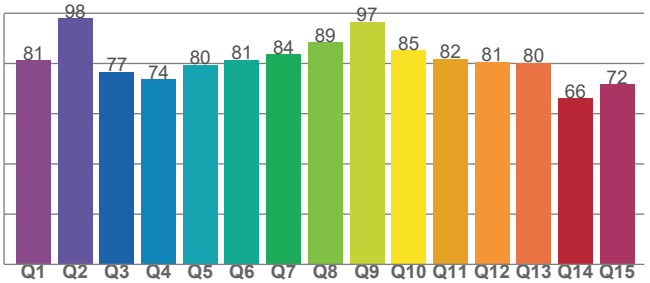
CIE 1931 - Zoom



CRI: 80.5 (R1-R8)



CQS: 79.9



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5519 K	0.332	0.354

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0033	0.354	0.202

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
80.5	-7.2	79.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
70	82.6	94.9

Photometric & Chromaticity Report

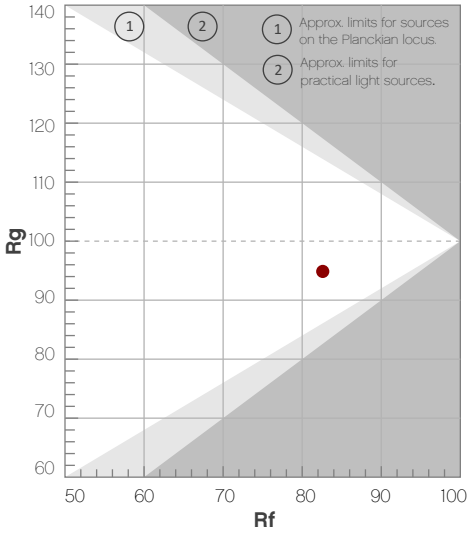
Strike Bolt 1C: Standard Optics-w/Frost - White

TM-30 Details

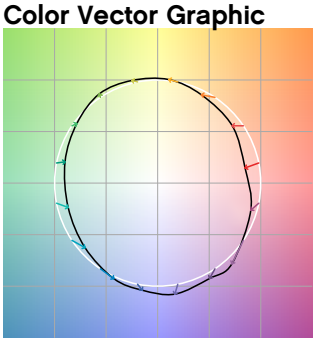
Rf 82.6
Fidelity Index (Rg)

Rg 94.9
Gammut Index (Rg)

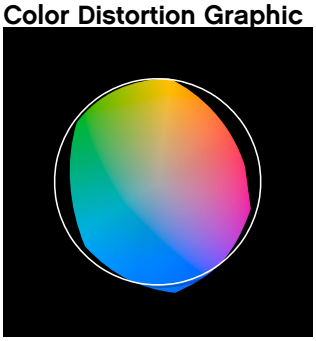
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	74	-14%	-2%
2	83	-9%	6%
3	77	-5%	12%
4	86	1%	9%
5	88	2%	5%
6	93	3%	-1%
7	92	-3%	-4%
8	86	-8%	-3%
9	86	-10%	6%
10	76	-7%	13%
11	74	1%	16%
12	88	5%	6%
13	87	9%	-5%
14	82	5%	-10%
15	72	3%	-25%
16	83	-6%	-8%



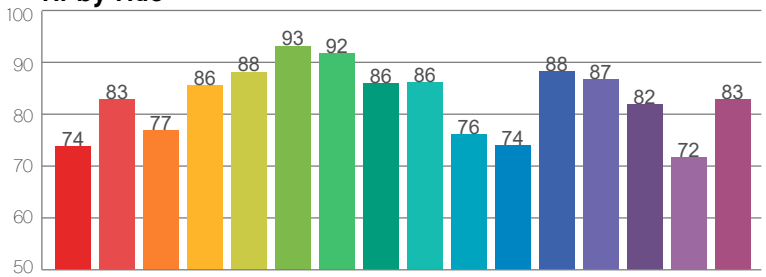
Color Vector Graphic



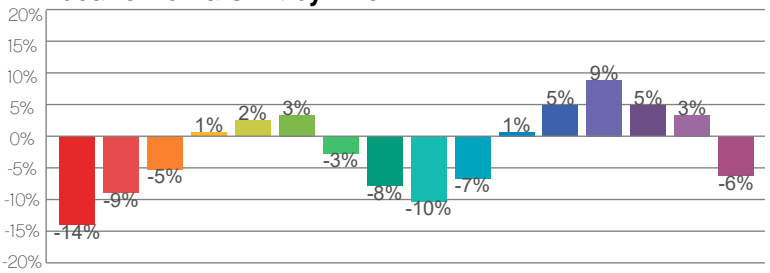
Color Distortion Graphic



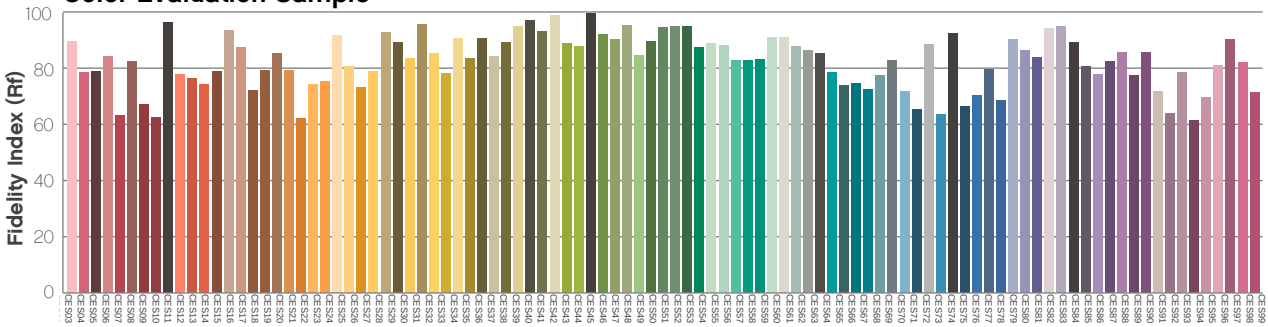
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Bolt 1C: Stealth Filter - Full Power

Report Summary

Measurements

Fixture Output: 7351 lm
Fixture Peak: 6182 cd
Fixture Efficacy: 22 lm/W
Intensity @ 5m: 247 lux
Color Temperature: 6463 K
CRI: 91.2 CRI R9 Value: 66.5
CQS: 88.8
TLCI: 92
TM-30 Rf: 88.6
TM-30 Rg: 101.3
Beam Angle (50%): 74° x 53°
Field Angle (10%): 118° x 98.9°
Cutoff Angle (3%): 138.9° x 128.2°

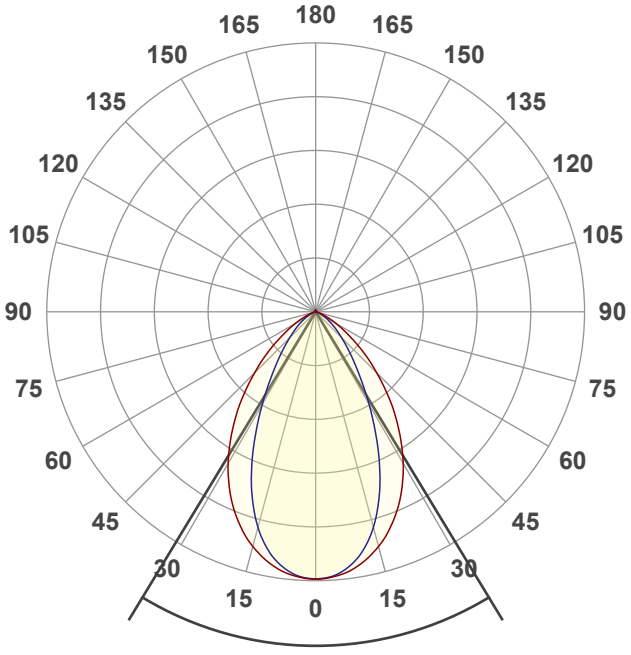
Conditions

AC Supply: 113 V, 60 Hz
Power: 335.71 W
Current: 2.98 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 LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/16/2024 to LM-63-2002 Standards.

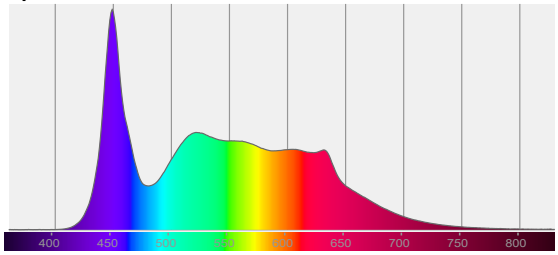
Overall Measurement

Angular Beam Distribution



Beam Angle 62.5°

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.314
Y: 0.325

Light Quality

CRI: 91.2

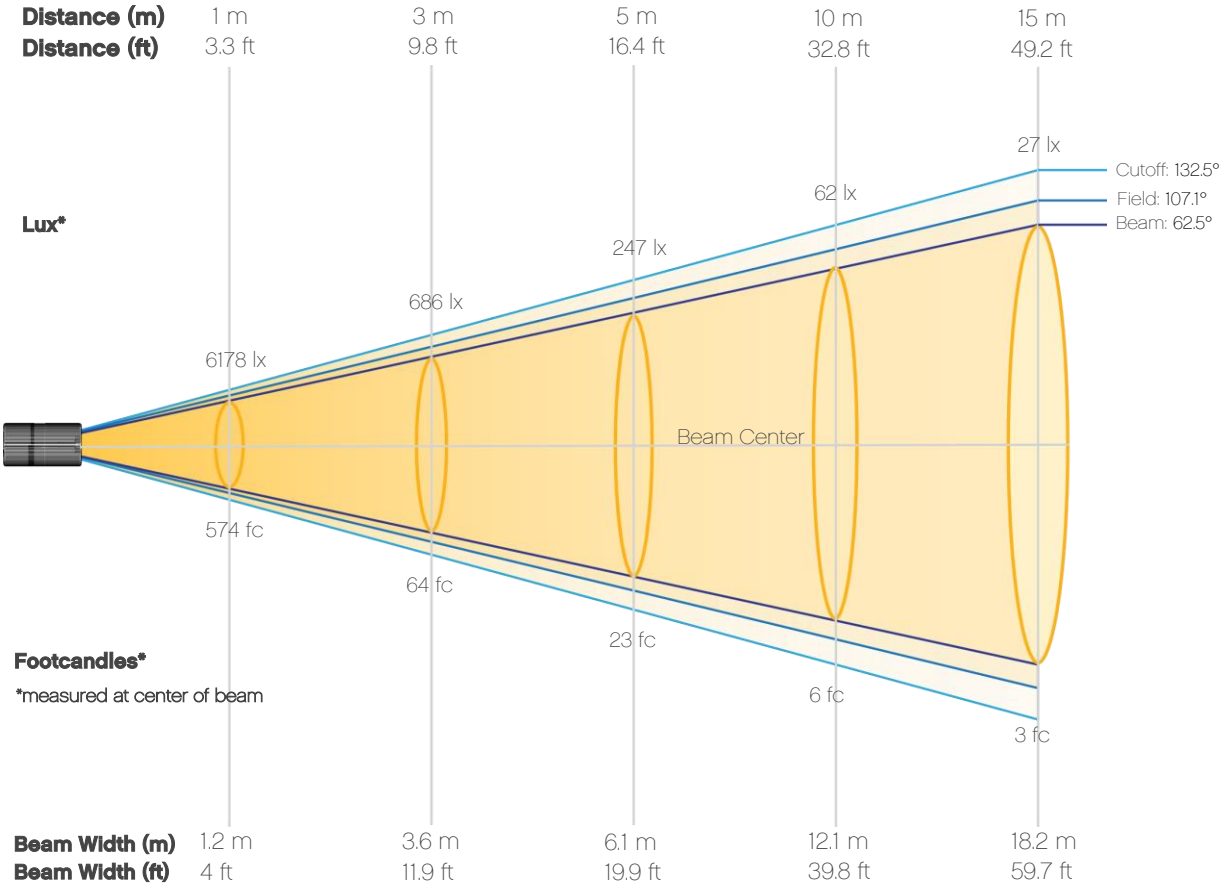
Color Temperature

6463 K

Photometric & Chromaticity Report

Strike Bolt 1C: Stealth Filter - Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	6178	1545	686	386	247	172	126	97	76	62
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	51	43	37	32	27	24	21	19	17	15
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	574	143	64	36	23	16	12	9	7	6
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	5	4	3	3	3	2	2	2	2	1

Photometric & Chromaticity Report

Strike Bolt 1C: Stealth Filter - Full Power

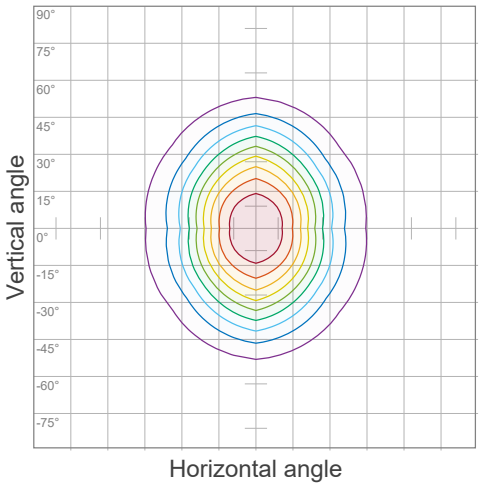
Candela Plot

Beam Angle (50%): 62.5°
Field Angle (10%): 107.1°
Cutoff Angle (3%): 132.5°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

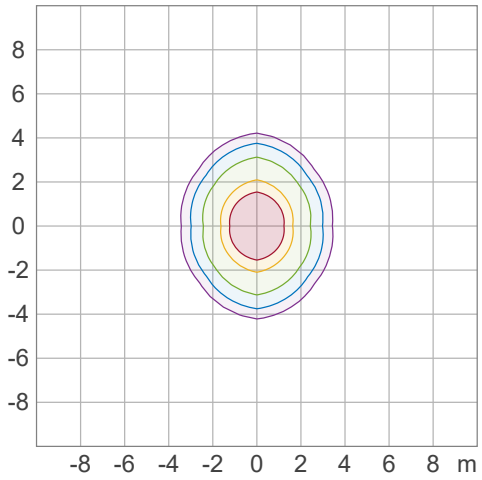
ISO Candela Diagram



90 %	5564.1 cd
80 %	4945.9 cd
70 %	4327.7 cd
60 %	3709.4 cd
50 %	3091.2 cd
40 %	2473.0 cd
30 %	1854.7 cd
20 %	1236.5 cd
10 %	618.2 cd

Peak intensity: 6182.4 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	343.3 lx
30.0 %	206.0 lx
10.0 %	68.7 lx
5.0 %	34.3 lx
3.0 %	20.6 lx

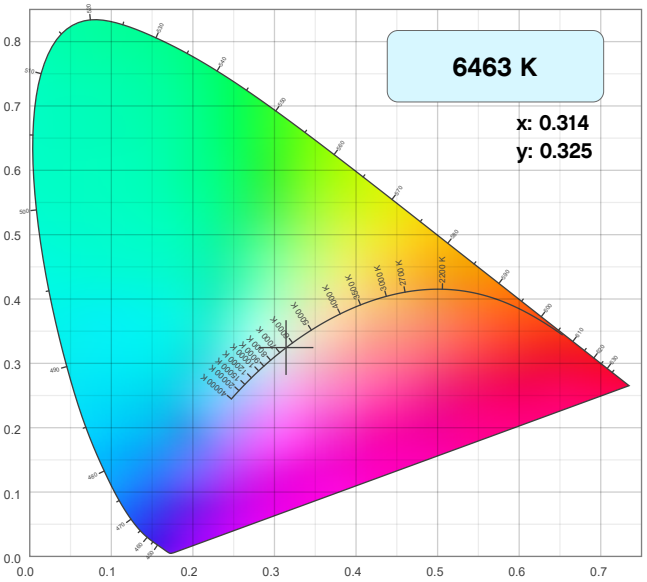
Peak illuminance: 686.6 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

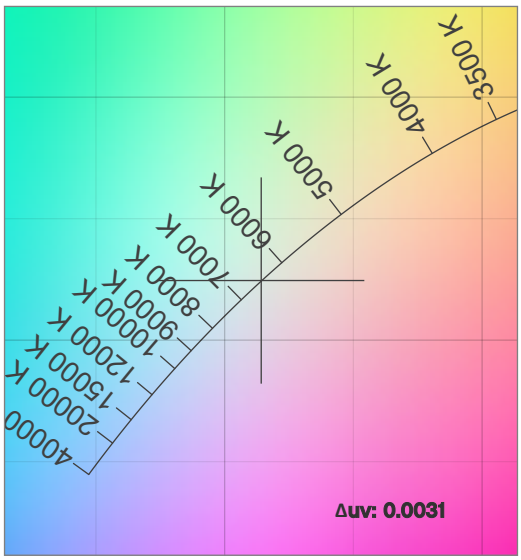
Strike Bolt 1C: Stealth Filter - Full Power

Chromaticity

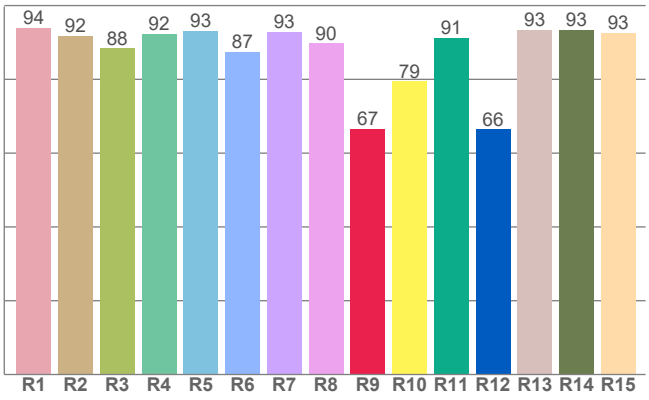
CIE 1931



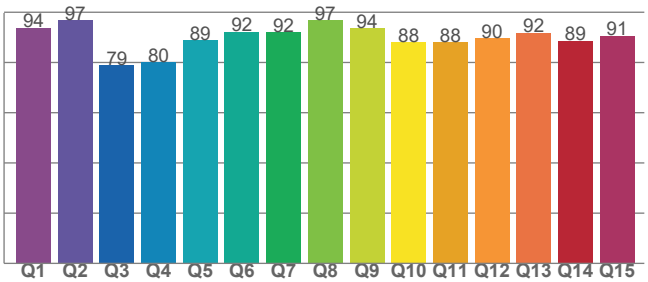
CIE 1931 - Zoom



CRI: 91.2 (R1-R8)



CQS: 88.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6463 K	0.314	0.325

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0031	0.325	0.201

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.2	66.5	88.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
92	88.6	101.3

Photometric & Chromaticity Report

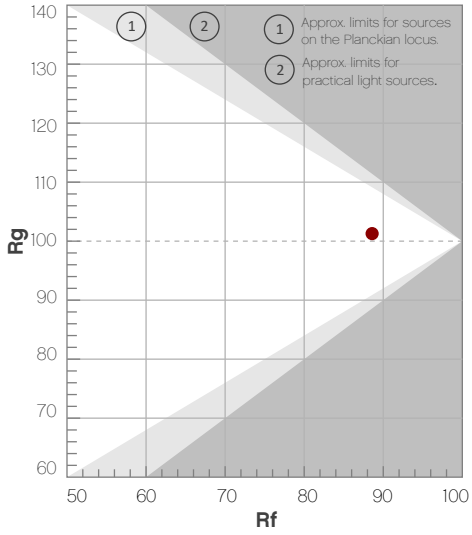
Strike Bolt 1C: Stealth Filter - Full Power

TM-30 Details

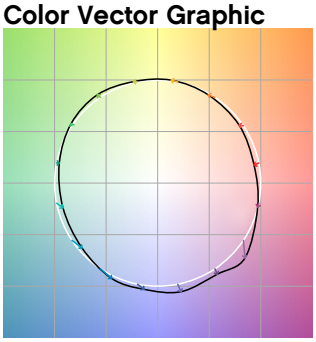
Rf 88.6
Fidelity Index
(Rg)

Rg 101.3
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	89	-5%	-1%
2	93	-3%	3%
3	87	-2%	7%
4	88	0%	6%
5	89	1%	4%
6	93	4%	1%
7	97	2%	-1%
8	94	-3%	0%
9	91	-5%	5%
10	81	-4%	11%
11	77	2%	14%
12	88	4%	7%
13	90	8%	2%
14	90	6%	-1%
15	82	11%	-13%
16	93	0%	-4%

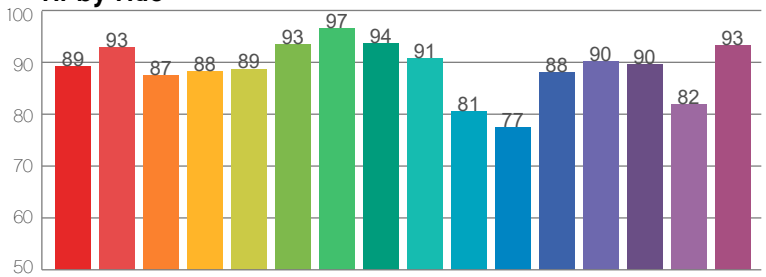


Color Vector Graphic

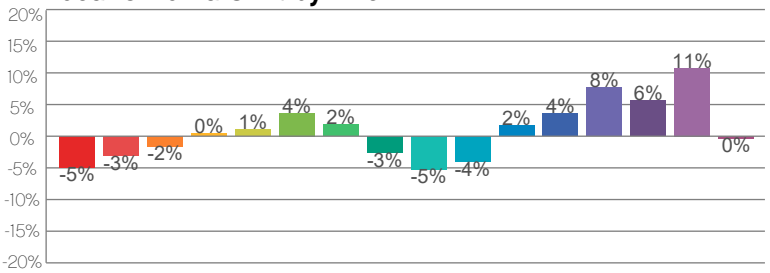


Color Distortion Graphic

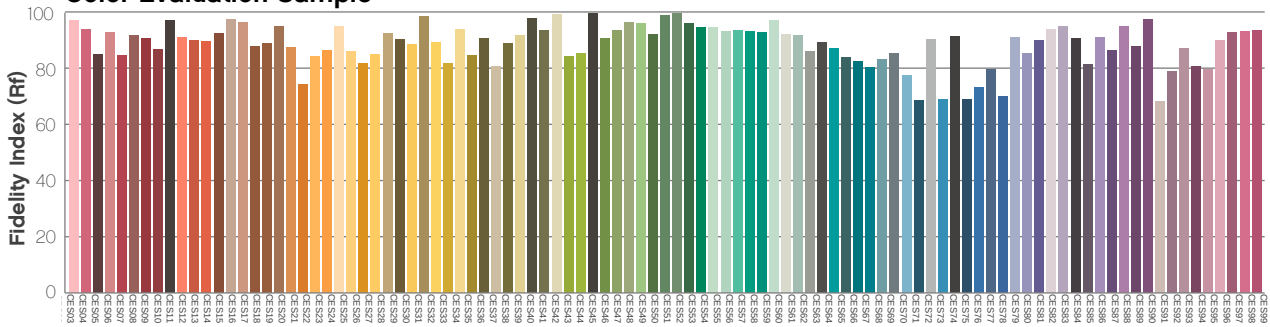
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Bolt 1C: Stealth Filter - White

Report Summary

Measurements

Fixture Output: 8677 lm
Fixture Peak: 7438 cd
Fixture Efficacy: 26 lm/W
Intensity @ 5m: 297 lux
Color Temperature: 6279 K
CRI: 83.7 CRI R9 Value: 12.1
CQS: 83.8
TLCI: 82
TM-30 Rf: 85.1
TM-30 Rg: 95.8
Beam Angle (50%): 73.5° x 52°
Field Angle (10%): 117.4° x 97.9°
Cutoff Angle (3%): 138.7° x 127.7°

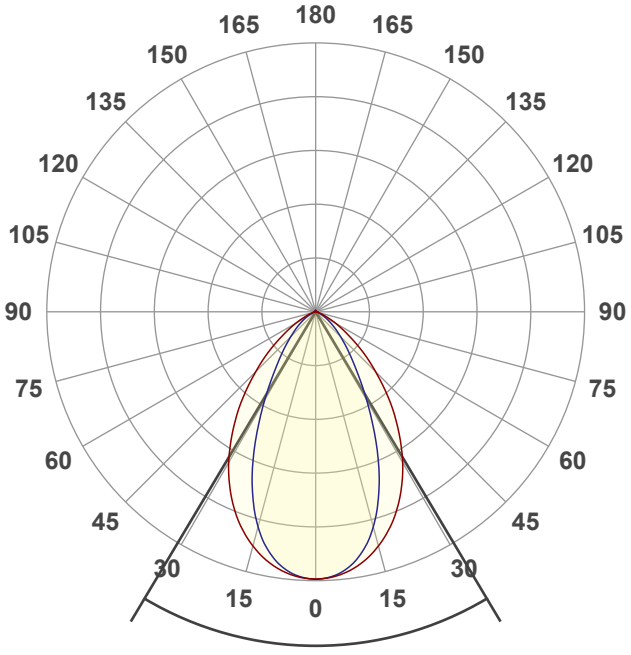
Conditions

AC Supply: 113 V, 60 Hz
Power: 338.61 W
Current: 2.99 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 LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/16/2024 to LM-63-2002 Standards.

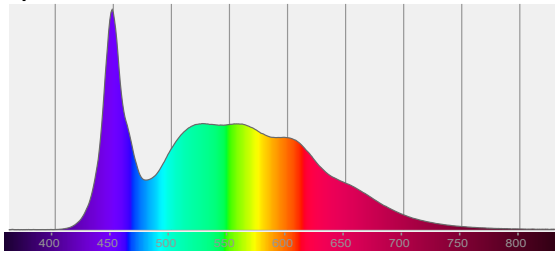
Overall Measurement

Angular Beam Distribution



Beam Angle **61.7°**

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.316
Y: 0.342

Light Quality

CRI: 83.7

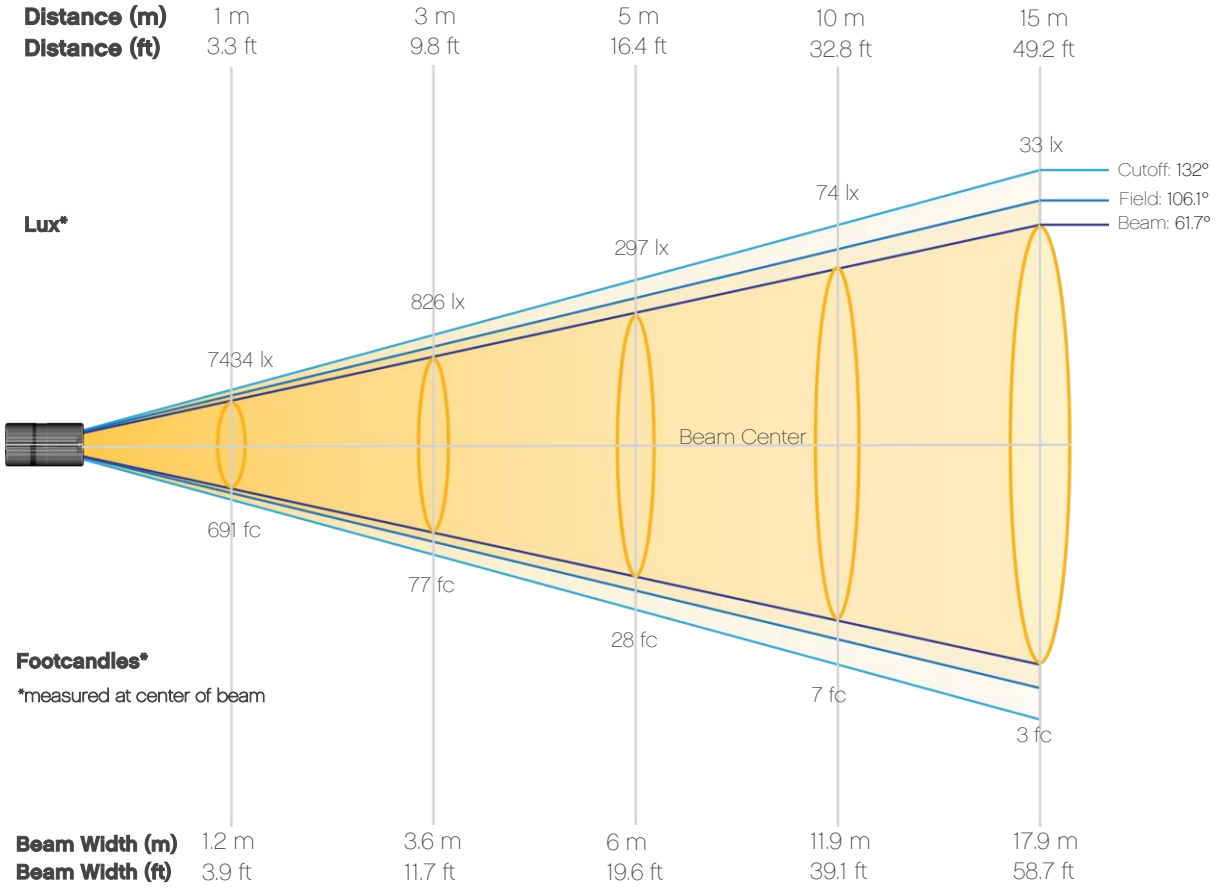
Color Temperature

6279 K

Photometric & Chromaticity Report

Strike Bolt 1C: Stealth Filter - White

Beam Details



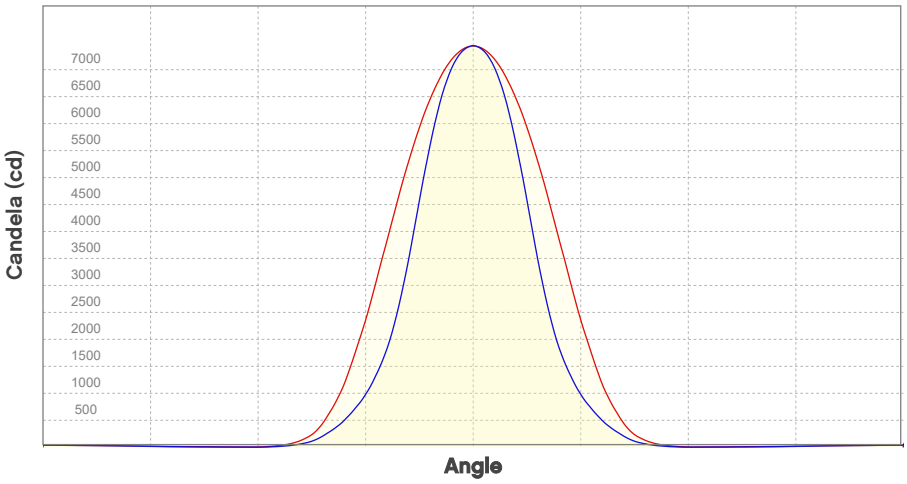
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7434	1859	826	465	297	207	152	116	92	74
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	61	52	44	38	33	29	26	23	21	19
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	691	173	77	43	28	19	14	11	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	2	2	2	2

Photometric & Chromaticity Report

Strike Bolt 1C: Stealth Filter - White

Candela Plot

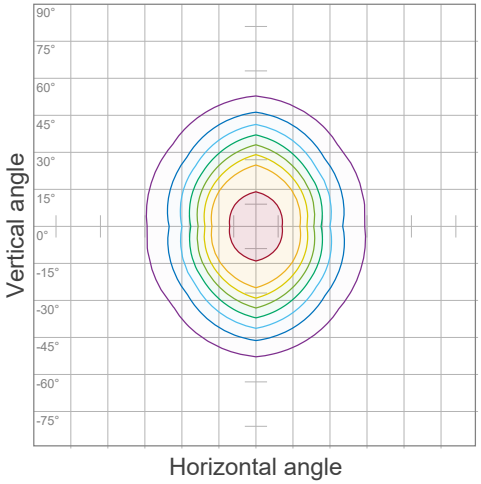


Beam Angle (50%): 61.7°
Field Angle (10%): 106.1°
Cutoff Angle (3%): 132°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

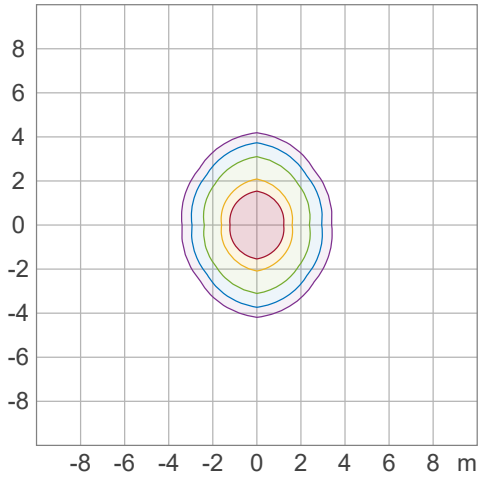
ISO Candela Diagram



90 %	6693.7 cd
80 %	5949.9 cd
70 %	5206.2 cd
60 %	4462.5 cd
50 %	3718.7 cd
40 %	2975.0 cd
30 %	2231.2 cd
20 %	1487.5 cd
10 %	743.7 cd

Peak intensity: 7437.4 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	413.0 lx
30.0 %	247.8 lx
10.0 %	82.6 lx
5.0 %	41.3 lx
3.0 %	24.8 lx

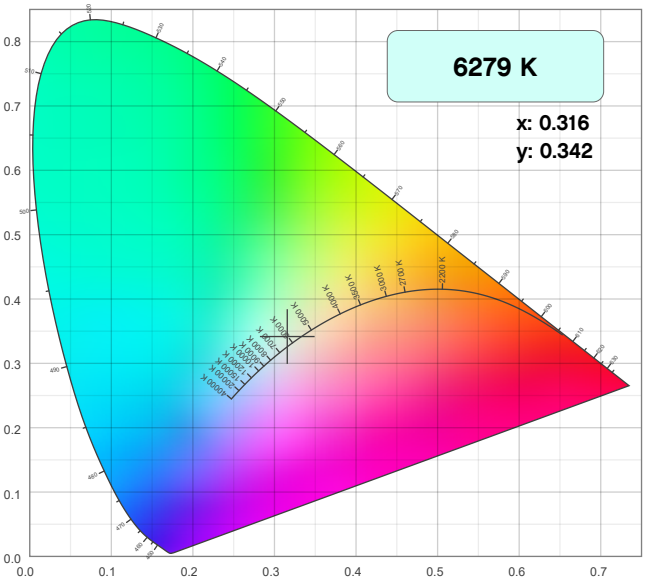
Peak illuminance: 826.0 lx
Mounting height: 3.0 m
Number of c-planes: 8

Photometric & Chromaticity Report

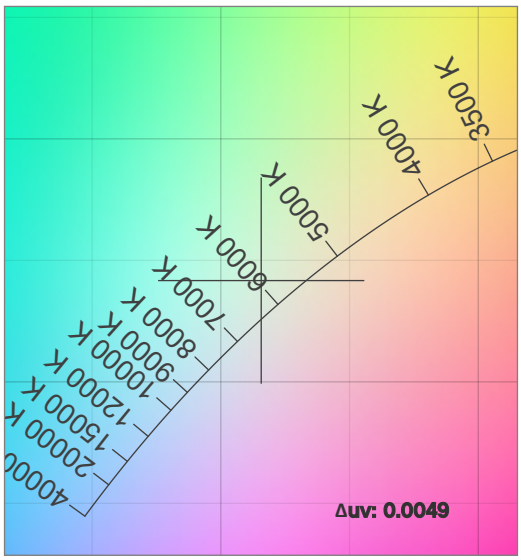
Strike Bolt 1C: Stealth Filter - White

Chromaticity

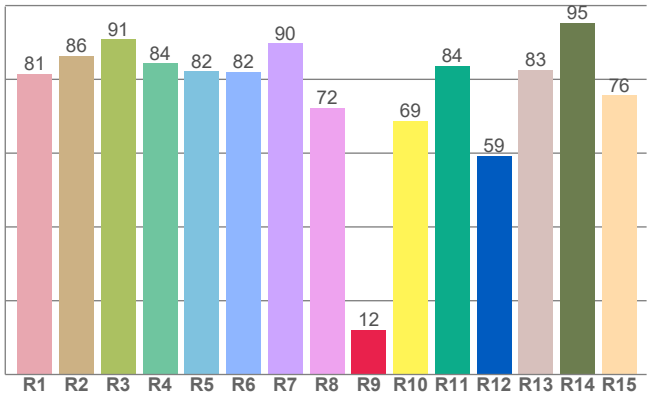
CIE 1931



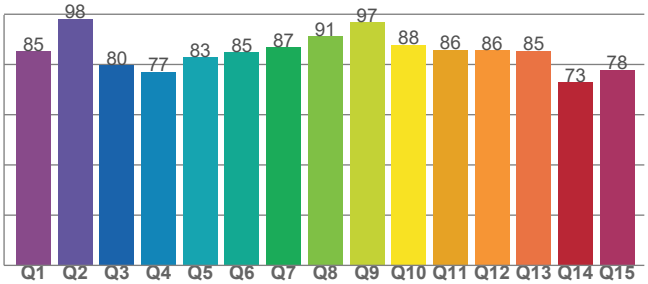
CIE 1931 - Zoom



CRI: 83.7 (R1-R8)



CQS: 83.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6279 K	0.316	0.342

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0049	0.342	0.195

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
83.7	12.1	83.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
82	85.1	95.8

Photometric & Chromaticity Report

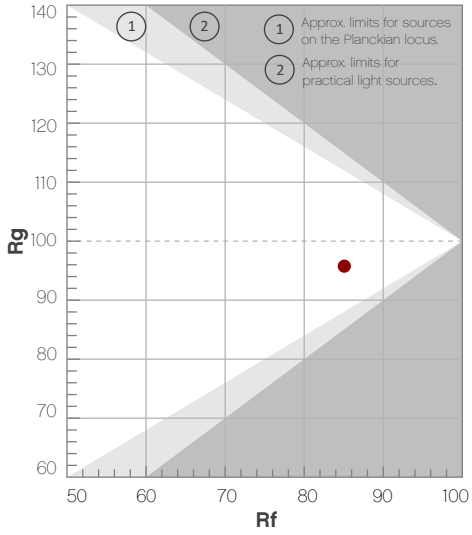
Strike Bolt 1C: Stealth Filter - White

TM-30 Details

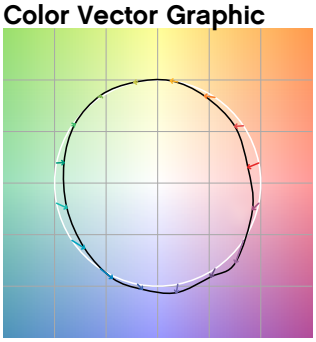
Rf 85.1
Fidelity Index
(Rg)

Rg 95.8
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	78	-11%	-2%
2	87	-7%	4%
3	82	-5%	9%
4	87	0%	7%
5	89	0%	3%
6	94	1%	-1%
7	95	-2%	-3%
8	87	-7%	-2%
9	87	-9%	6%
10	77	-6%	13%
11	77	1%	15%
12	90	4%	5%
13	89	8%	-3%
14	85	4%	-8%
15	75	6%	-22%
16	85	-5%	-7%

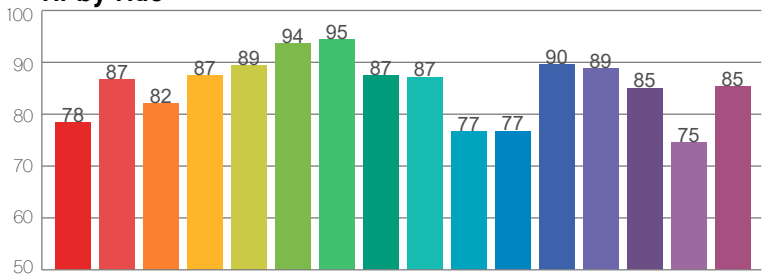


Color Vector Graphic

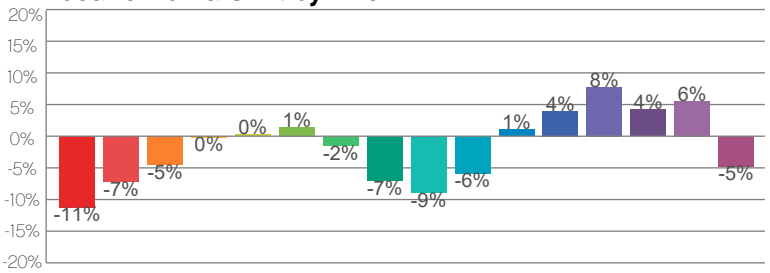


Color Distortion Graphic

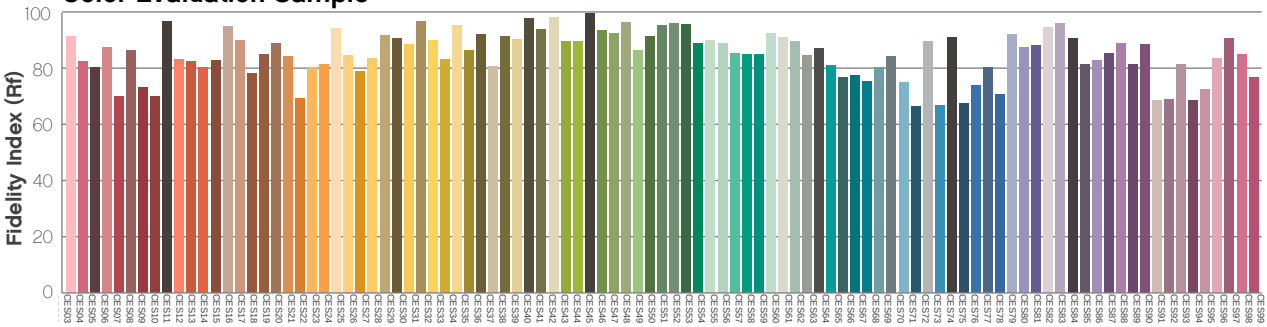
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Contact Us

General Information	Technical Support
Chauvet World Headquarters	
3360 Davie Rd. Suite 509 Davie, FL 33314 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
Chauvet U.K.	
Pod 1 EVO Park Little Oak Drive, Sherwood Park Nottinghamshire, NG15 0EB UK Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet Benelux	
Stokstraat 18 9770 Kruishoutem Belgium Voice: +32 9 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet France	
3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetprofessional.eu
Chauvet Germany	
Bruno-Bürgel-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetprofessional.eu
Chauvet Mexico	
Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvet.com.mx Website: www.chauvetprofessional.mx

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.