

STRIKE **ARRAY** 2C

PHOTOMETRICS REPORT



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Testing Process

Total Illuminance Measurements

Illuminance is measured using the Viso Systems LabSpion[®], which takes multiple measurements across a light beam to calculate the total delivered lumens, beam, and field of a product. These values can be described as the empirical output of the product as it projects from the lens or lenses. All photometric data contained in this report are obtained from the actual illuminance of the tested Chauvet light source and are never theoretical values derived from calculations.

Testing Lab Equipment and Process

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

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

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

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

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

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

STRIKE 2C

Photometrics & Chromaticity Reports

Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Full Power

Report Summary

Measurements

Fixture Output: 25917 lm
Fixture Peak: 24488 cd
Fixture Efficacy: 43 lm/W
Intensity @ 5m: 979 lux
Color Temperature: 6528 K
CRI: 89.7 CRI R9 Value: 84.8
CQS: 91.0
TLCI: 90
TM-30 Rf: 88.0
TM-30 Rg: 107.9
Beam Angle (50%): 58.8°
Field Angle (10%): 101.5°
Cutoff Angle (3%): 120°

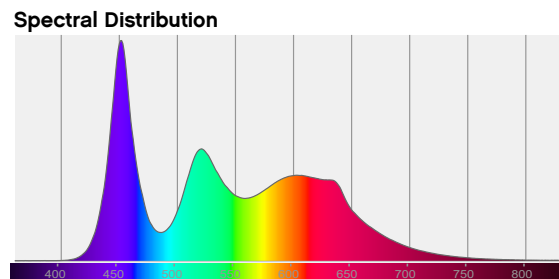
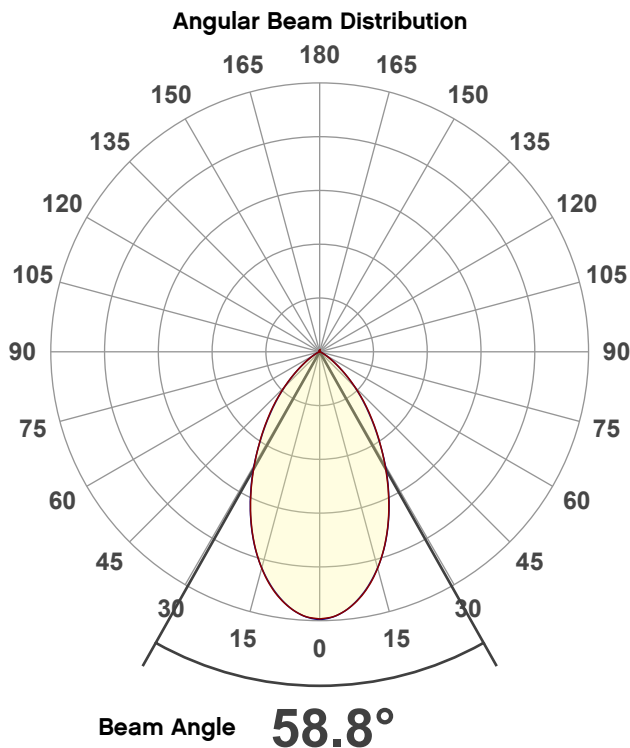


Conditions

AC Supply: 110 V, 60 Hz
Power: 599.87 W
Current: 5.45 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 Davie, FL on 2/8/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.316
Y: 0.306

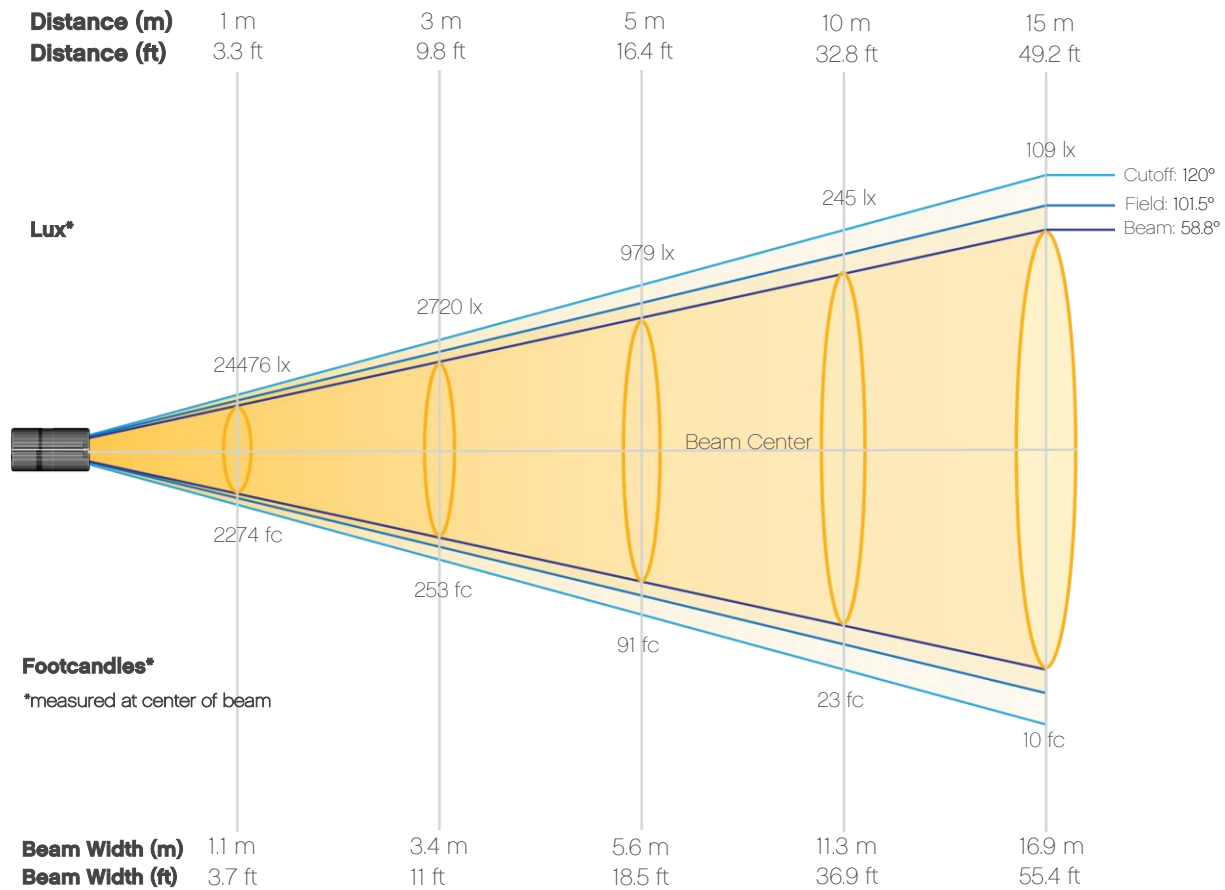
Light Quality
CRI: 89.7

Color Temperature
6528 K

Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Full Power

Beam Details

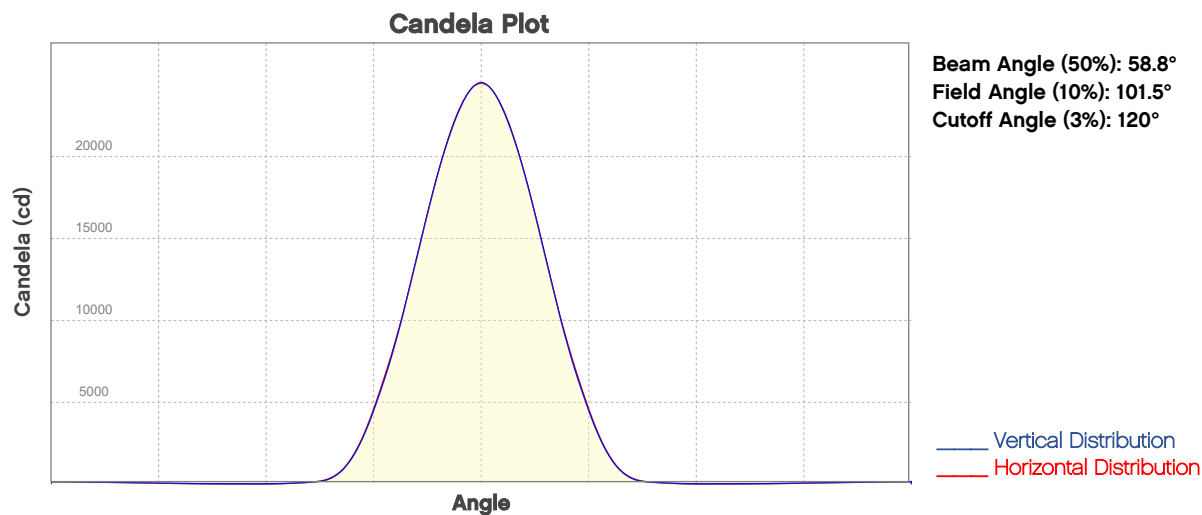


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	24476	6119	2720	1530	979	680	500	382	302	245
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	202	170	145	125	109	96	85	76	68	61
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2274	568	253	142	91	63	46	36	28	23
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	19	16	13	12	10	9	8	7	6	6

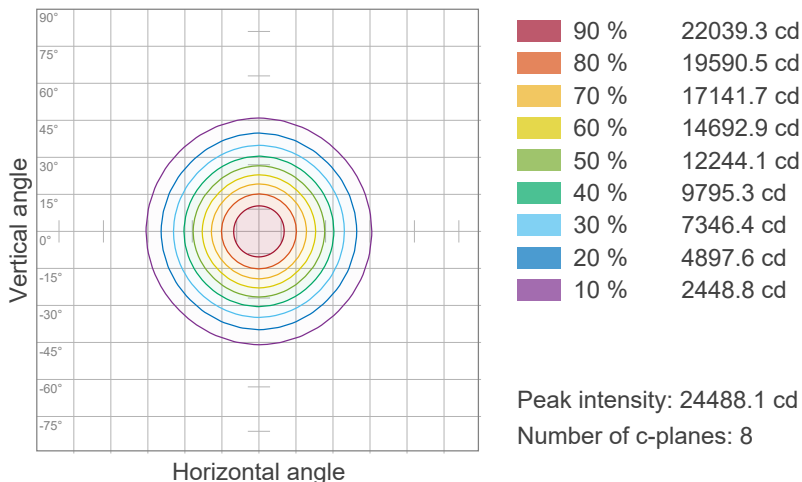
Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Full Power

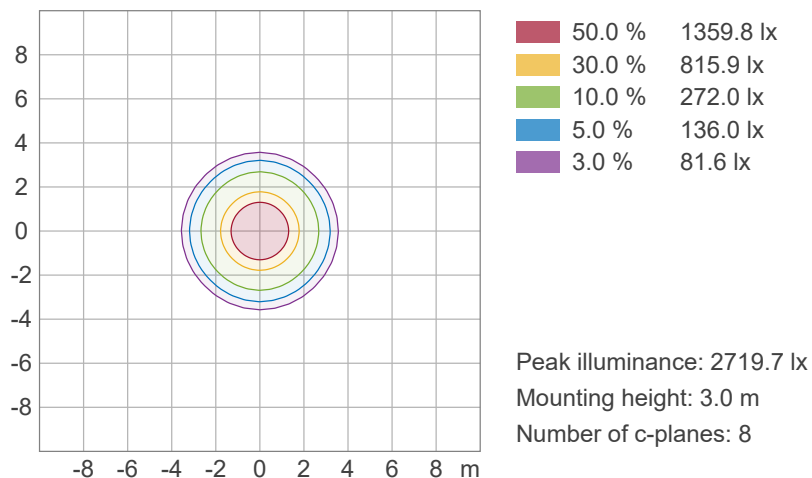


ISO Diagrams

ISO Candela Diagram



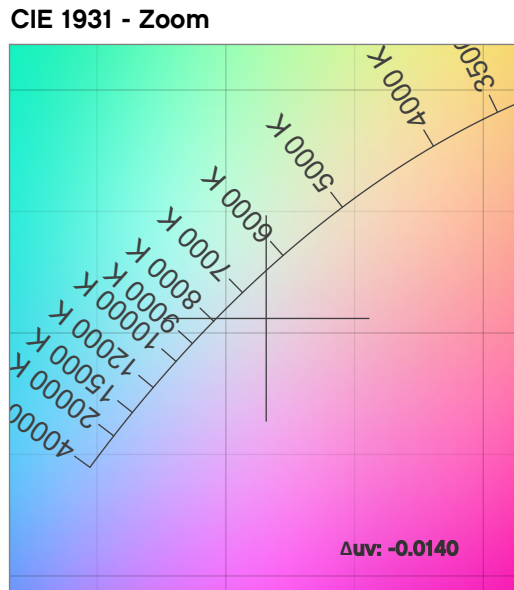
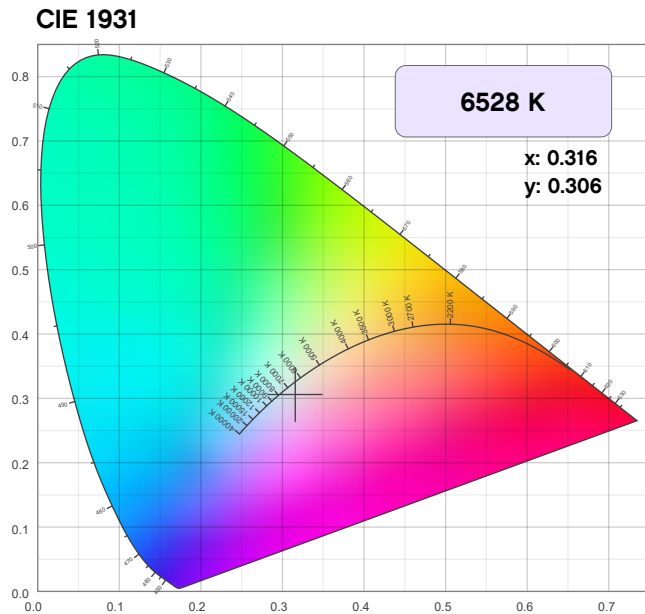
ISO Lux Diagram



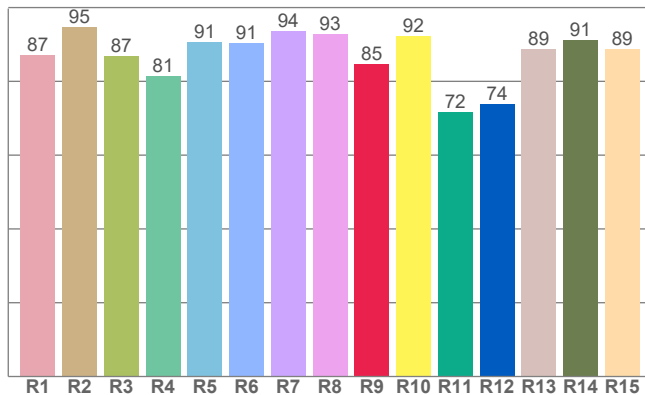
Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Full Power

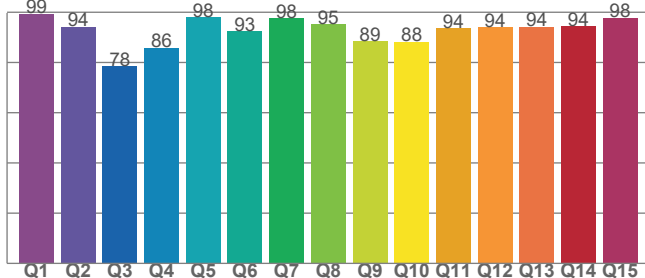
Chromaticity



CRI: 89.7 (R1-R8)



CQS: 91.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6528 K	0.316	0.306

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0140	0.306	0.209

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
89.7	84.8	91.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
90	88.0	107.9

Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Full Power

TM-30 Details

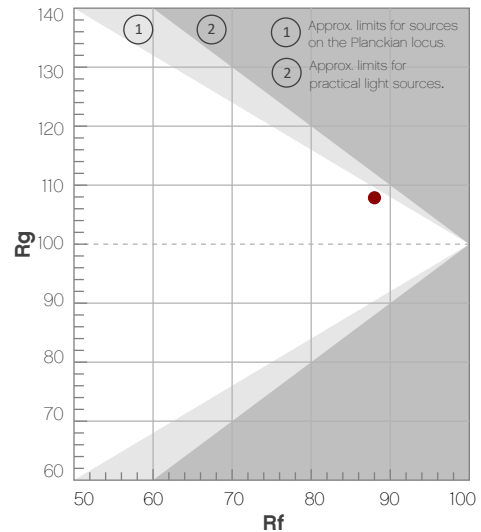
Rf 88.0

Fidelity Index
(R_f)

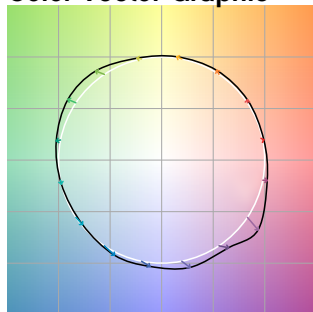
Rg 107.9

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	1%	0%
2	92	2%	2%
3	90	2%	4%
4	90	1%	5%
5	88	2%	4%
6	87	7%	5%
7	88	8%	2%
8	91	4%	2%
9	91	0%	4%
10	86	-1%	9%
11	76	2%	13%
12	86	3%	9%
13	89	7%	7%
14	84	7%	7%
15	82	15%	-4%
16	91	4%	1%



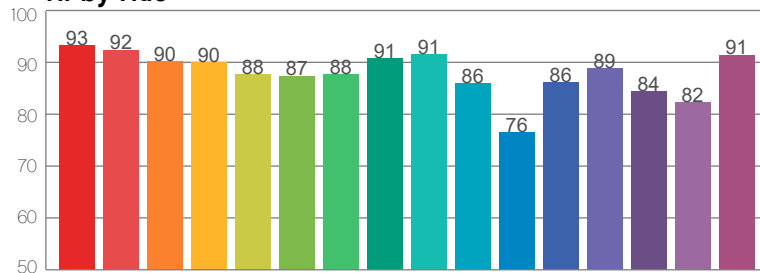
Color Vector Graphic



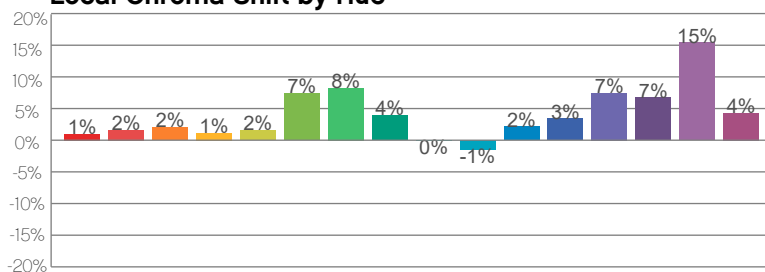
Color Distortion Graphic



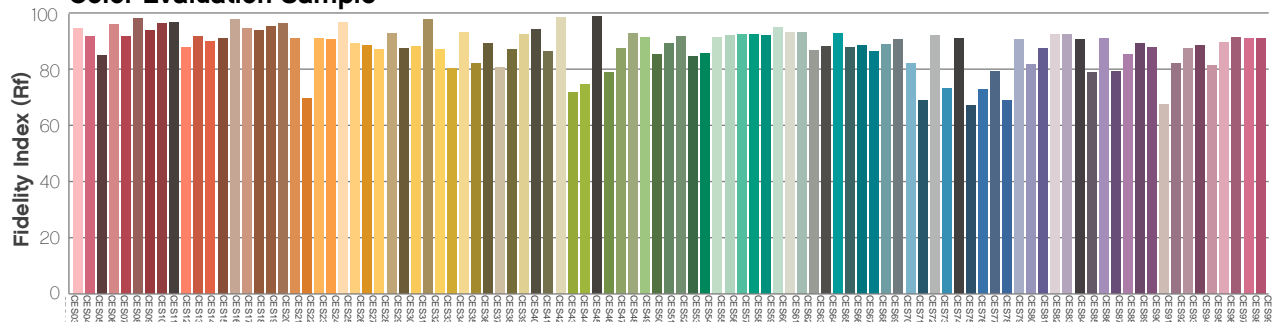
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 3200K

Report Summary

Measurements

Fixture Output: 22282 lm
Fixture Peak: 21329 cd
Fixture Efficacy: 47 lm/W
Intensity @ 5m: 852 lux
Color Temperature: 3218 K
CRI: 94.5 CRI R9 Value: 93.7
CQS: 92.8
TLCI: 81
TM-30 Rf: 92.6
TM-30 Rg: 105.7
Beam Angle (50%): 58.3°
Field Angle (10%): 101.1°
Cutoff Angle (3%): 119.8°

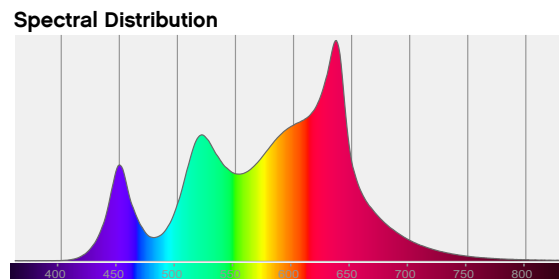
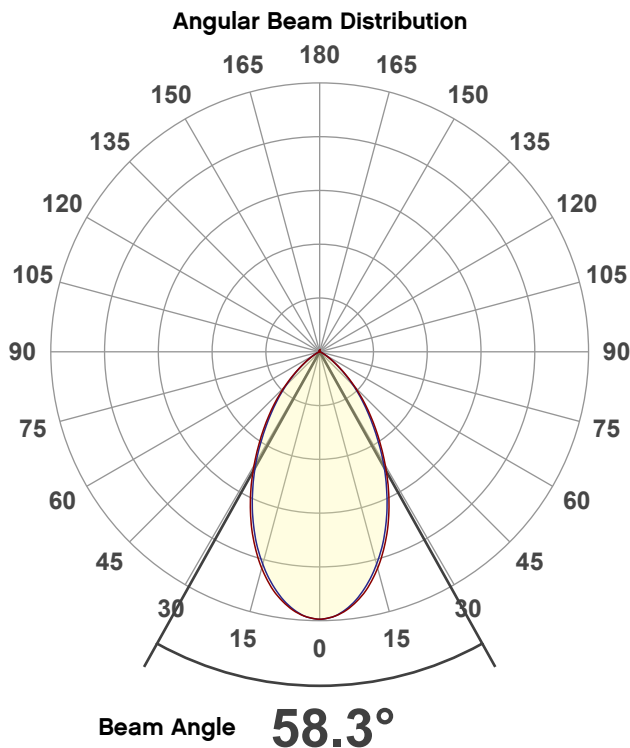


Conditions

AC Supply: 111 V, 60.1 Hz
Power: 478.04 W
Current: 4.29 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 Davie, FL on 2/8/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.422
Y: 0.399

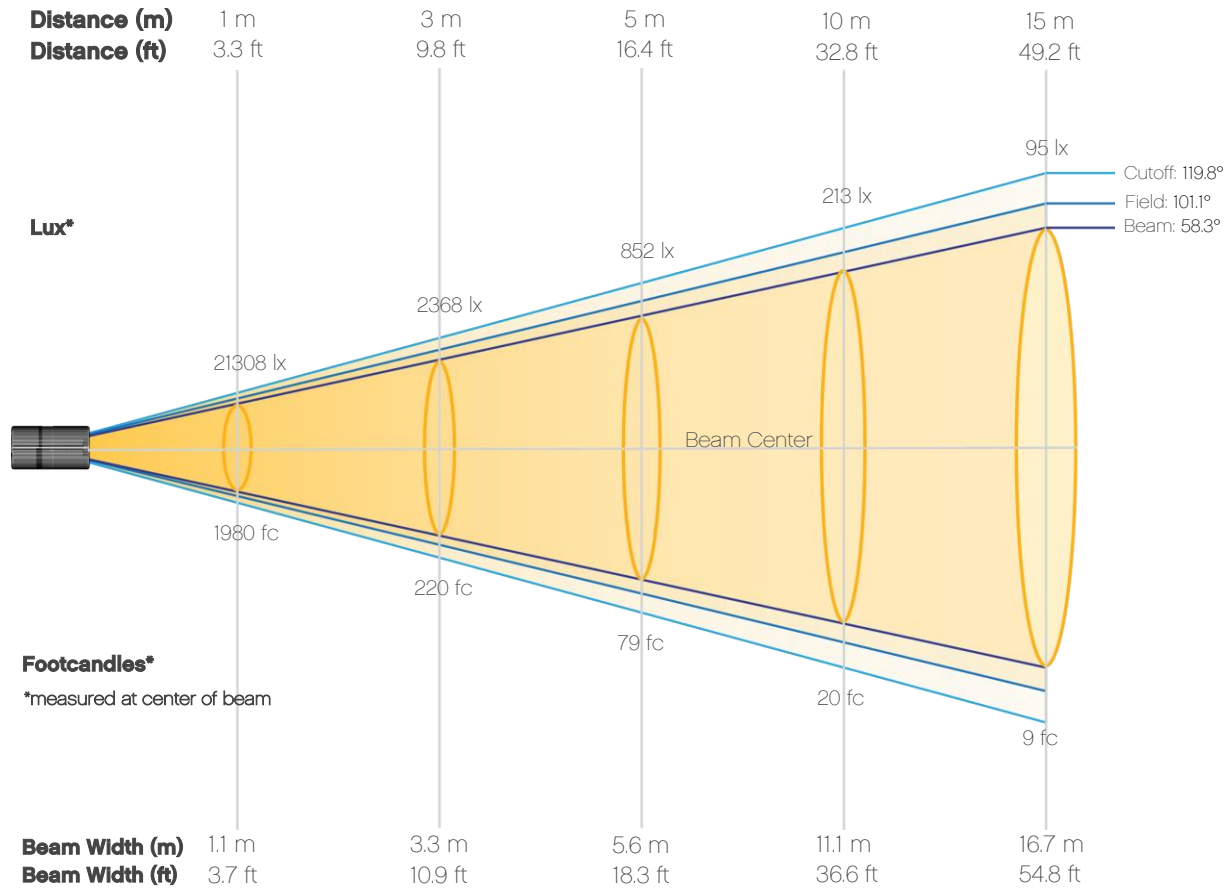
Light Quality
CRI: 94.5

Color Temperature
3218 K

Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 3200K

Beam Details

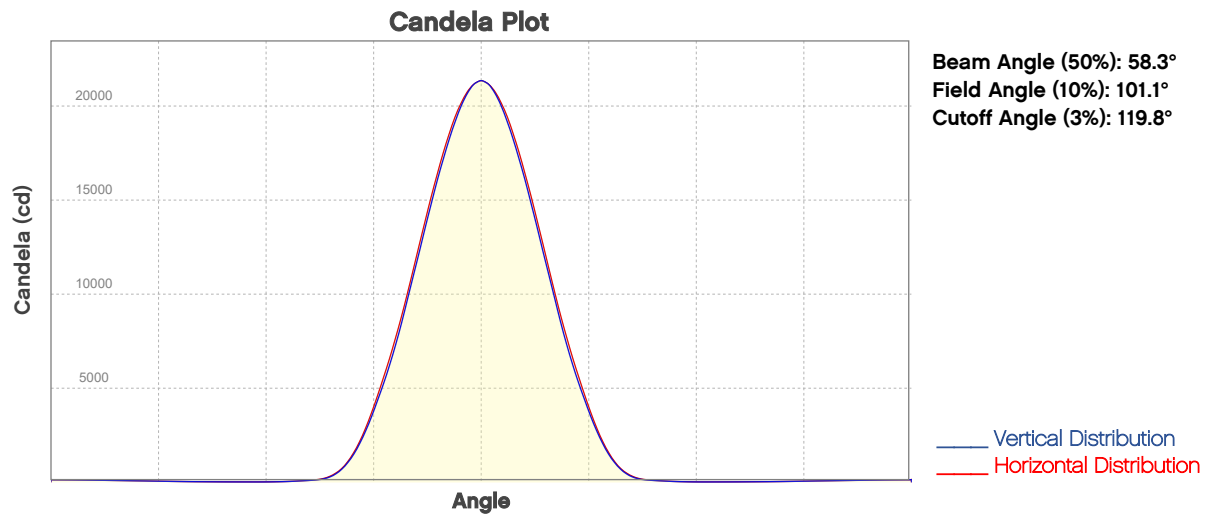


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	21308	5327	2368	1332	852	592	435	333	263	213
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	176	148	126	109	95	83	74	66	59	53
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1980	495	220	124	79	55	40	31	24	20
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	16	14	12	10	9	8	7	6	5	5

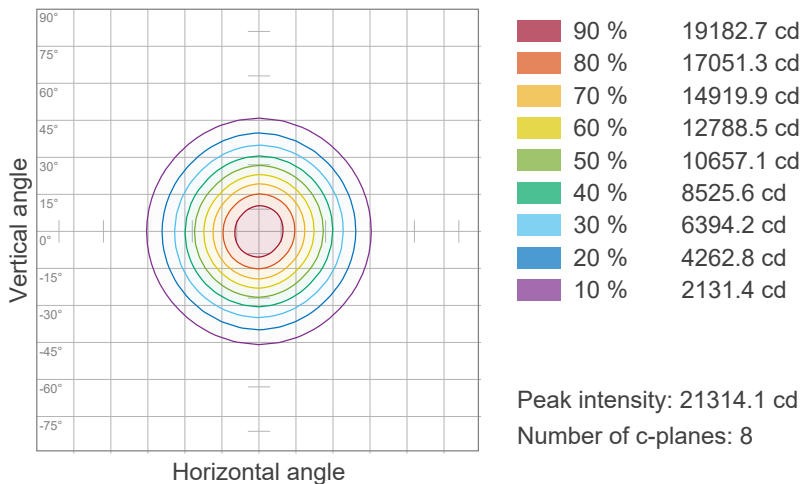
Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 3200K

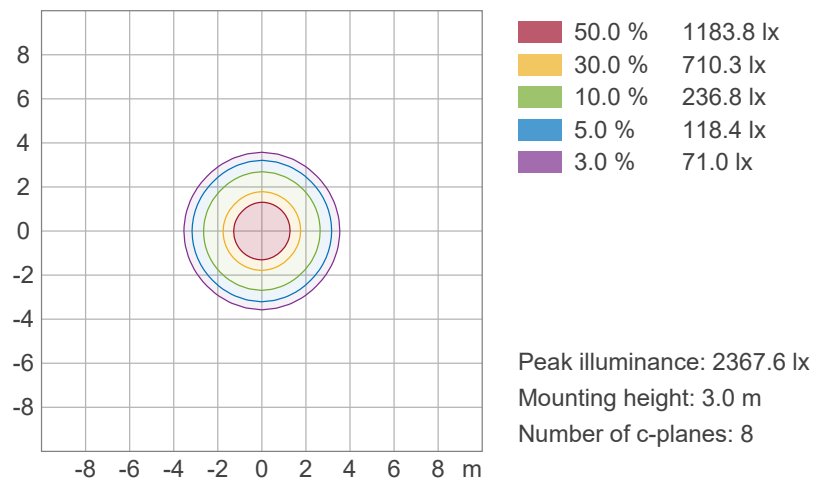


ISO Diagrams

ISO Candela Diagram



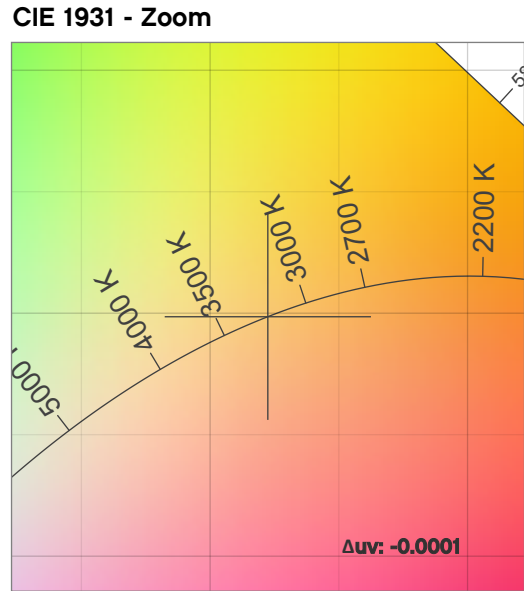
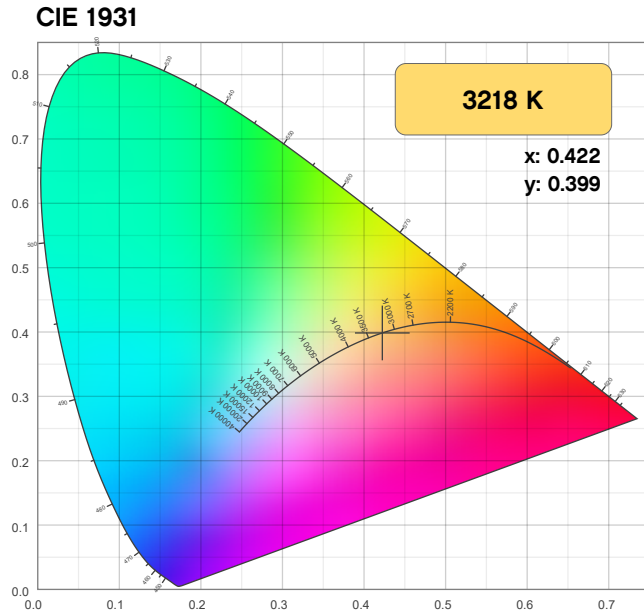
ISO Lux Diagram



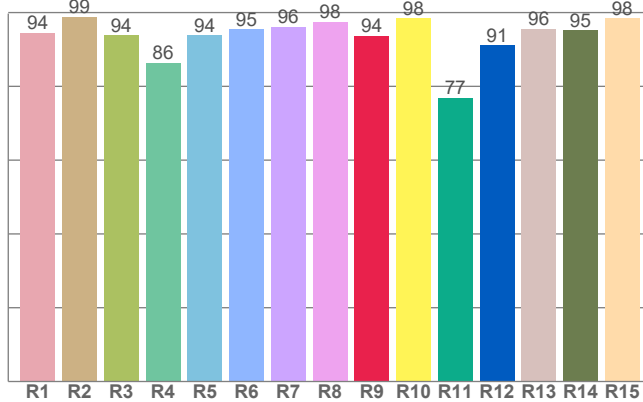
Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 3200K

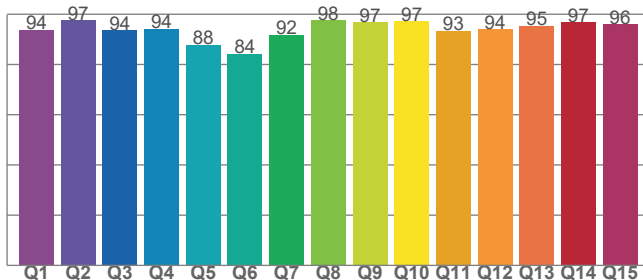
Chromaticity



CRI: 94.5 (R1-R8)



CQS: 92.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3218 K	0.422	0.399

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0001	0.399	0.244

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.5	93.7	92.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
81	92.6	105.7

Photometric & Chromaticity Report

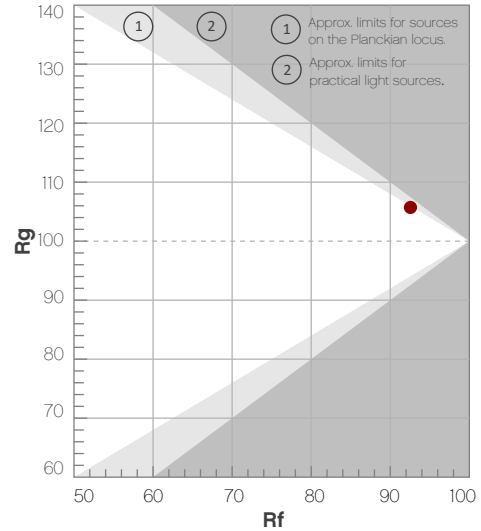
Strike Array 2C : Standard Optics - 3200K

TM-30 Details

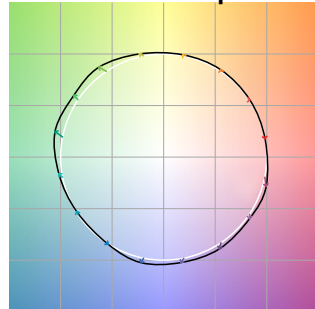
Rf 92.6
Fidelity Index
(R_f)

Rg 105.7
Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-2%
2	96	0%	0%
3	94	1%	1%
4	96	1%	1%
5	93	3%	4%
6	88	7%	4%
7	91	6%	-2%
8	86	8%	-4%
9	92	3%	-4%
10	94	0%	-3%
11	94	0%	2%
12	91	5%	-2%
13	93	4%	-4%
14	92	4%	-4%
15	92	2%	-3%
16	89	3%	-8%



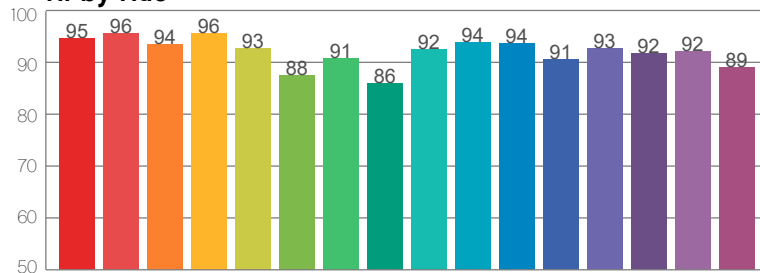
Color Vector Graphic



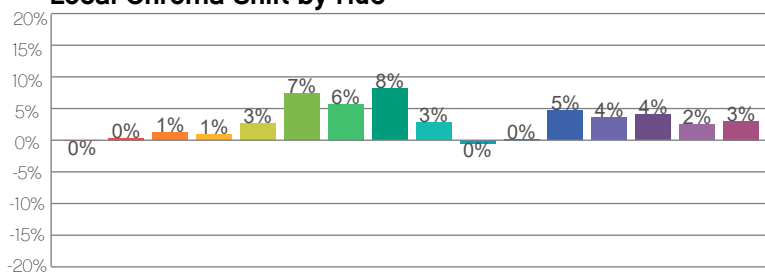
Color Distortion Graphic



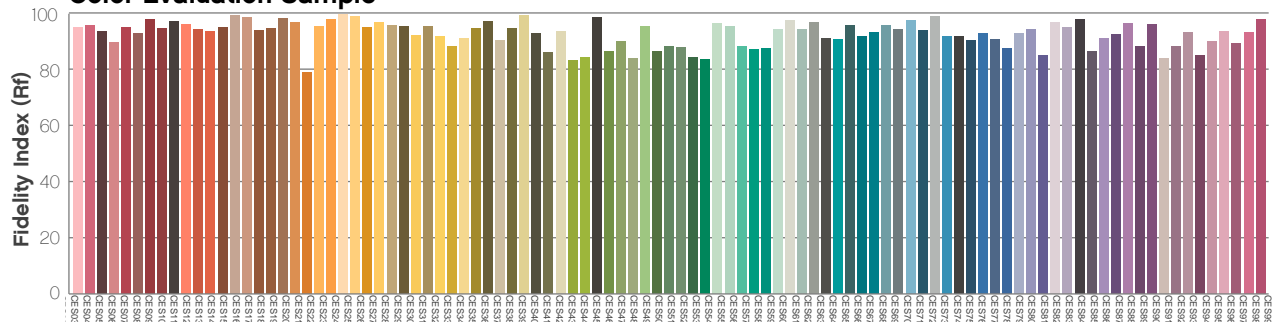
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 4000K

Report Summary

Measurements

Fixture Output: 23312 lm
Fixture Peak: 21644 cd
Fixture Efficacy: 47 lm/W
Intensity @ 5m: 865 lux
Color Temperature: 3994 K
CRI: 92.9 CRI R9 Value: 94.3
CQS: 94.1
TLCI: 81
TM-30 Rf: 92.2
TM-30 Rg: 106.3
Beam Angle (50%): 59.7°
Field Angle (10%): 102°
Cutoff Angle (3%): 120.4°

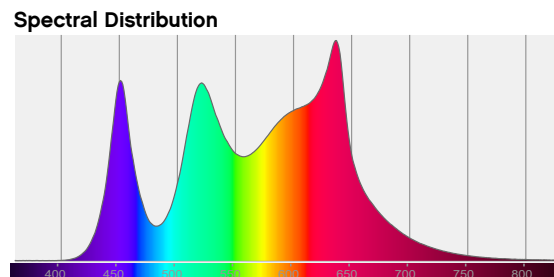
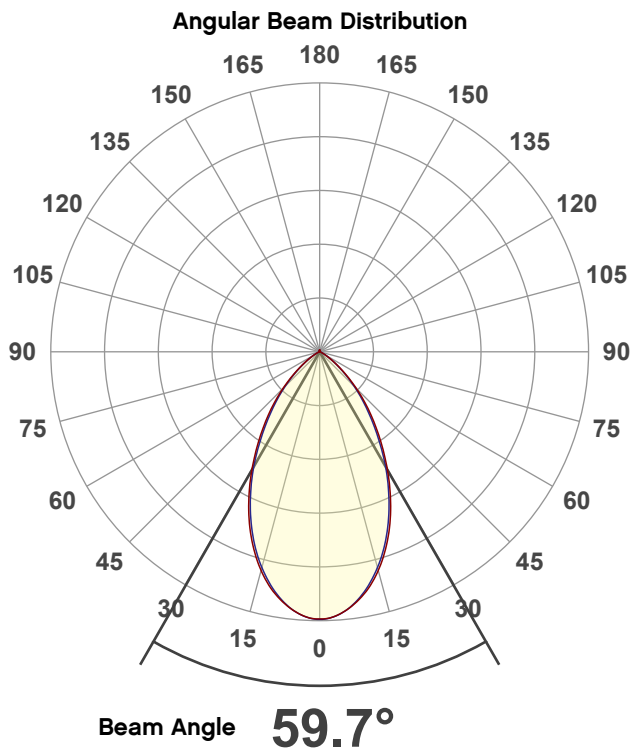


Conditions

AC Supply: 112 V, 60.1 Hz
Power: 500.41 W
Current: 4.47 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 Davie, FL on 2/8/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.380
Y: 0.375

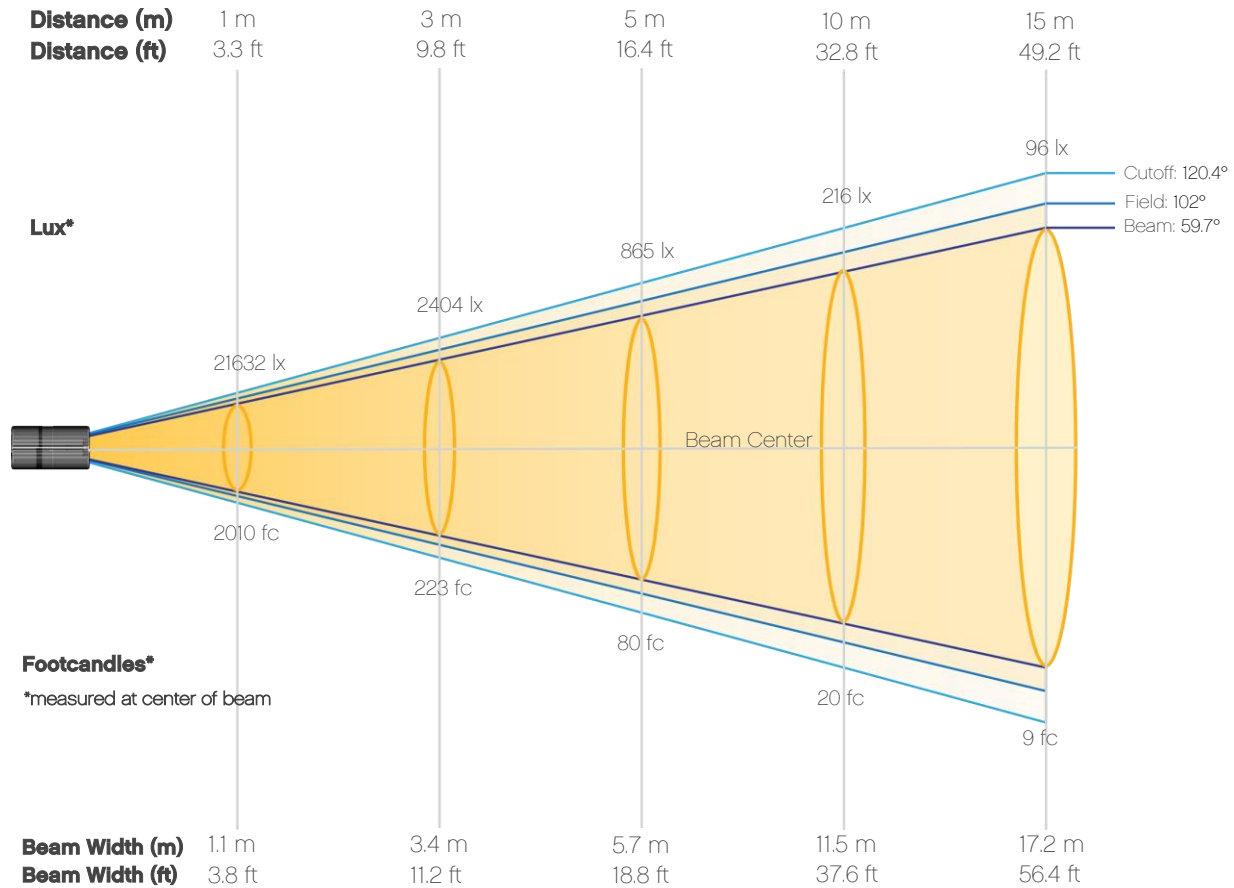
Light Quality
CRI: 92.9

Color Temperature
3994 K

Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 4000K

Beam Details

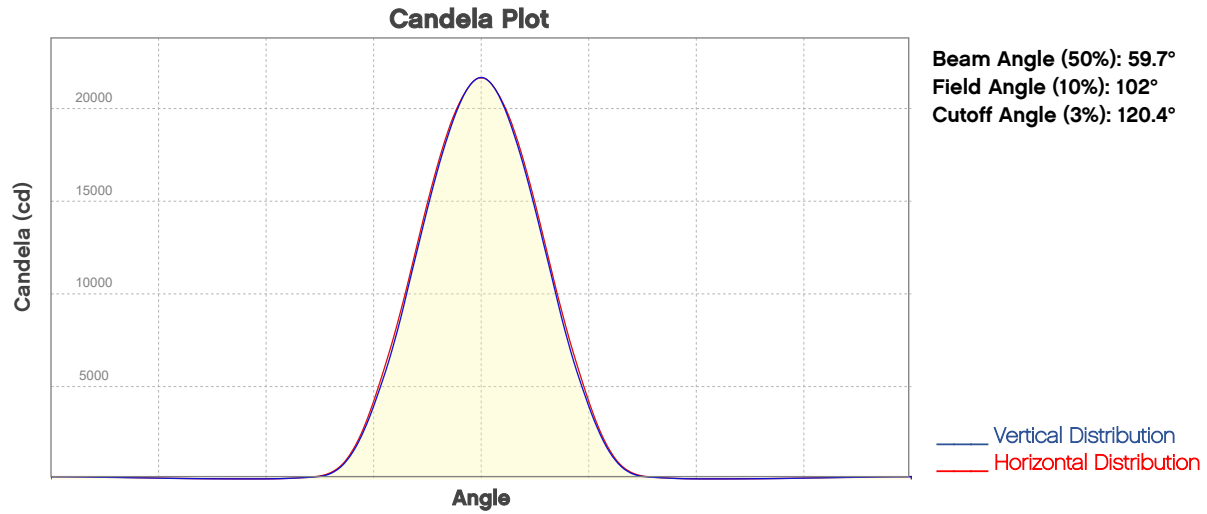


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	21632	5408	2404	1352	865	601	441	338	267	216
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	179	150	128	110	96	85	75	67	60	54
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2010	502	223	126	80	56	41	31	25	20
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	17	14	12	10	9	8	7	6	6	5

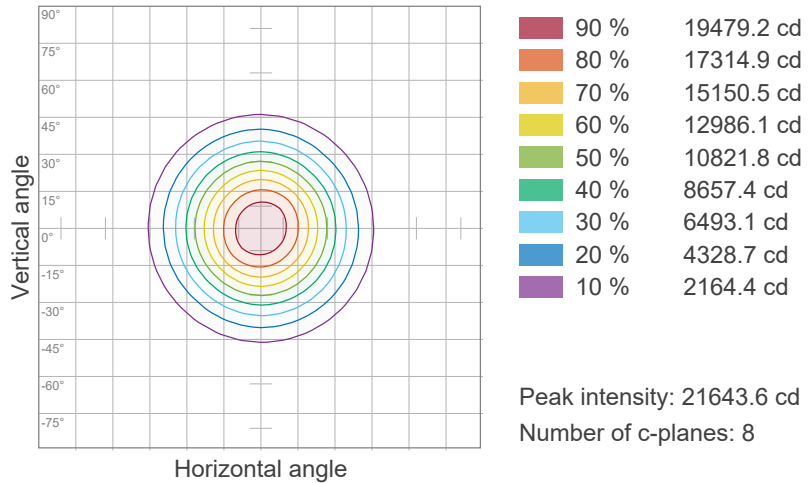
Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 4000K

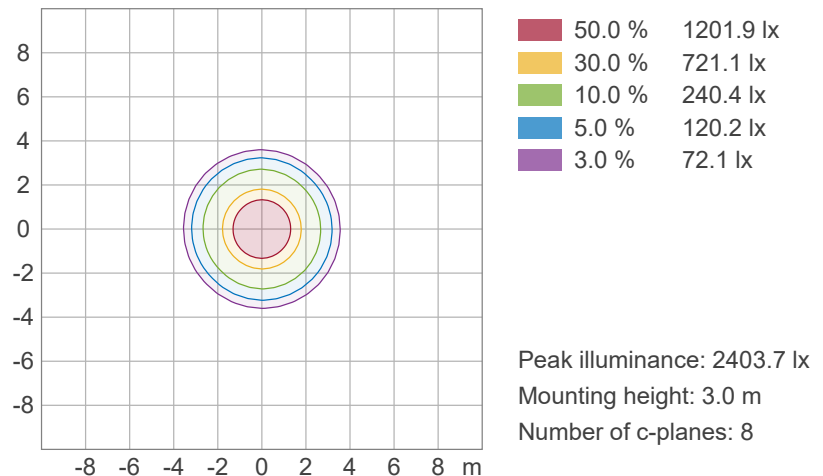


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

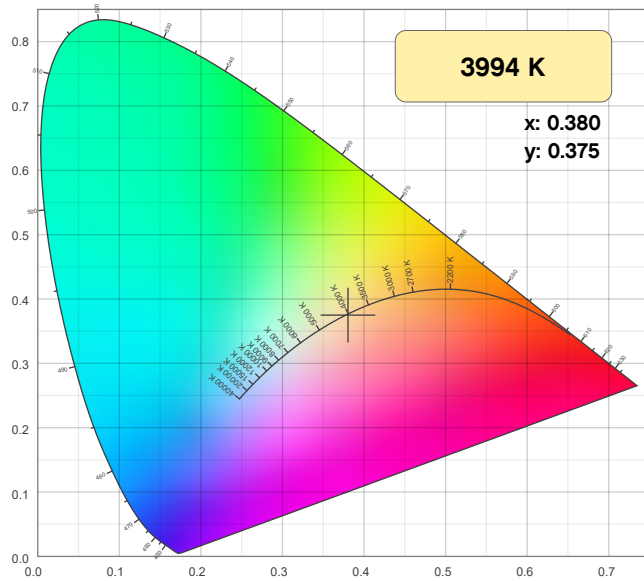


Photometric & Chromaticity Report

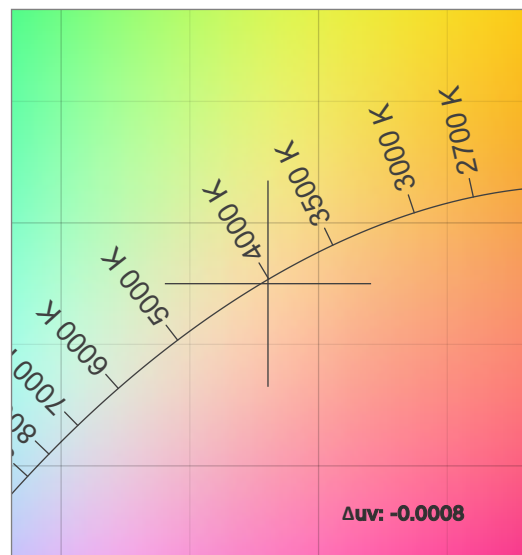
Strike Array 2C : Standard Optics - 4000K

Chromaticity

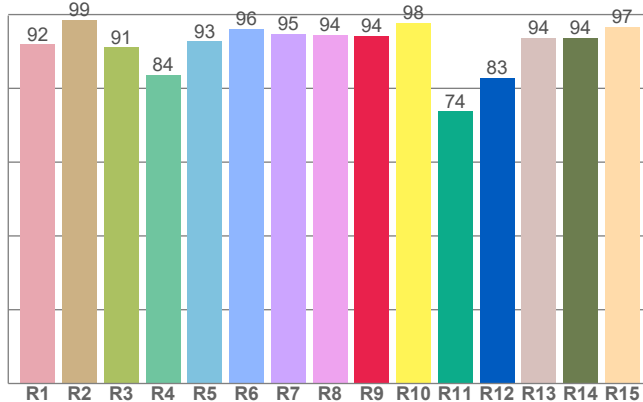
CIE 1931



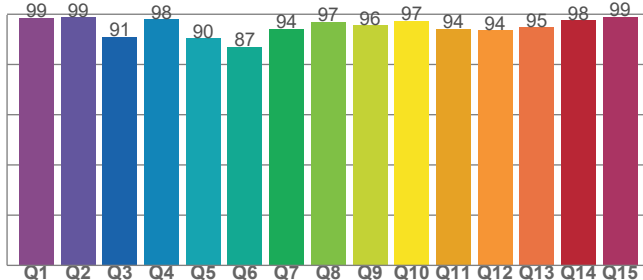
CIE 1931 - Zoom



CRI: 92.9 (R1-R8)



CQS: 94.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3994 K	0.380	0.375

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0008	0.375	0.226

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.9	94.3	94.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
81	92.2	106.3

Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 4000K

TM-30 Details

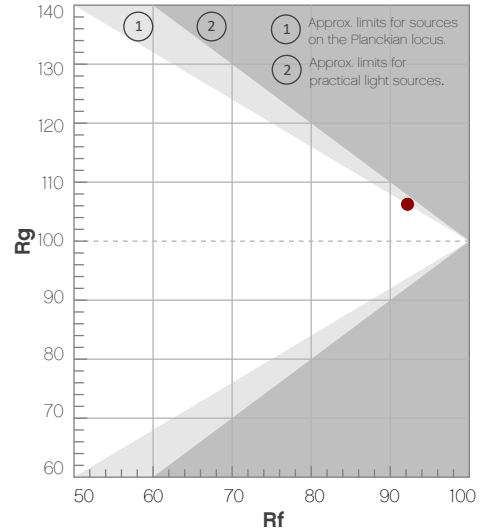
Rf 92.2

Fidelity Index
(Rg)

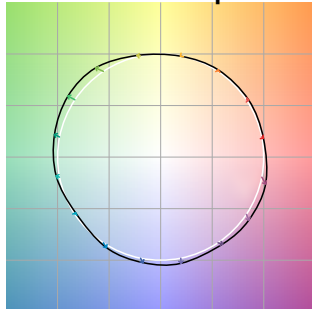
Rg 106.3

Gammut Index
(Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-2%
2	95	2%	-1%
3	94	1%	1%
4	96	0%	0%
5	91	1%	3%
6	88	7%	4%
7	88	8%	1%
8	89	5%	-1%
9	93	3%	-2%
10	95	-1%	-1%
11	91	2%	5%
12	90	4%	3%
13	93	5%	-1%
14	93	3%	3%
15	90	5%	-3%
16	88	5%	-6%



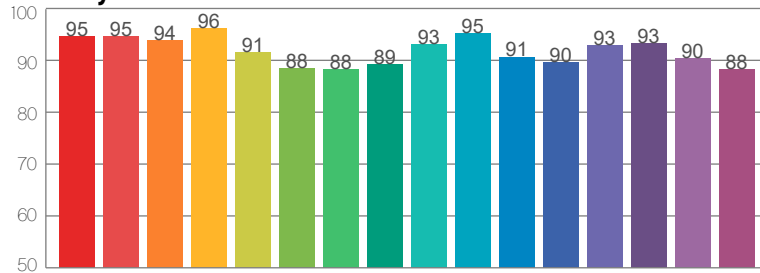
Color Vector Graphic



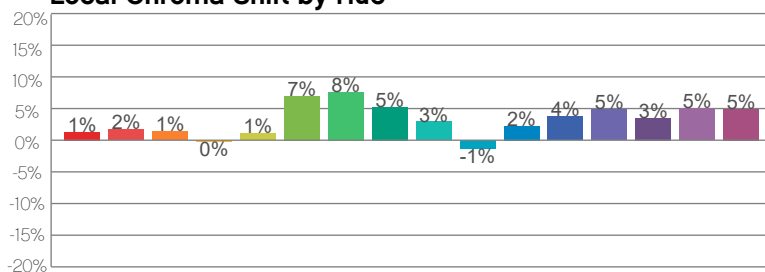
Color Distortion Graphic



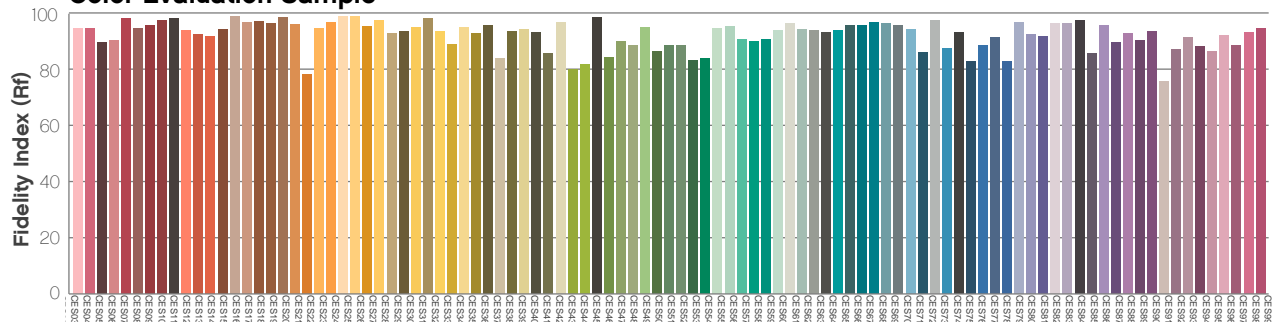
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 5600K

Report Summary

Measurements

Fixture Output: 21145 lm
Fixture Peak: 19967 cd
Fixture Efficacy: 47 lm/W
Intensity @ 5m: 798 lux
Color Temperature: 5584 K
CRI: 93.0 CRI R9 Value: 64.4
CQS: 92.0
TLCI: 87
TM-30 Rf: 90.3
TM-30 Rg: 103.7
Beam Angle (50%): 59°
Field Angle (10%): 101.6°
Cutoff Angle (3%): 120.1°

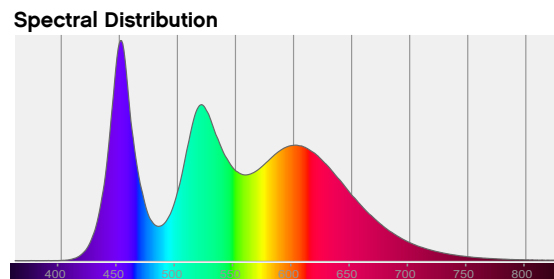
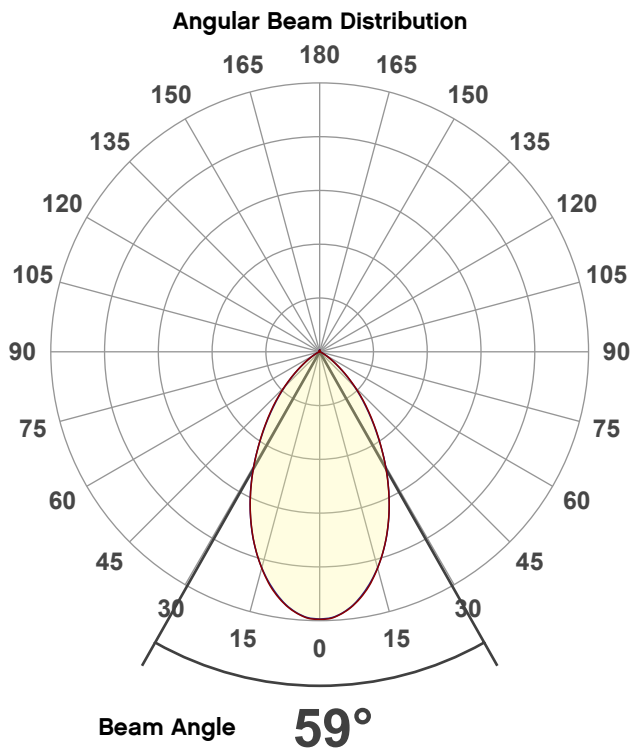


Conditions

AC Supply: 112 V, 60 Hz
Power: 452.57 W
Current: 4.02 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 Davie, FL on 2/8/2024 to LM-63-2002 Standards.

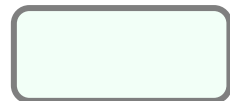
Overall Measurement



Tested Color (CIE 1931):

X: 0.331

Y: 0.343



Light Quality

CRI: 93.0

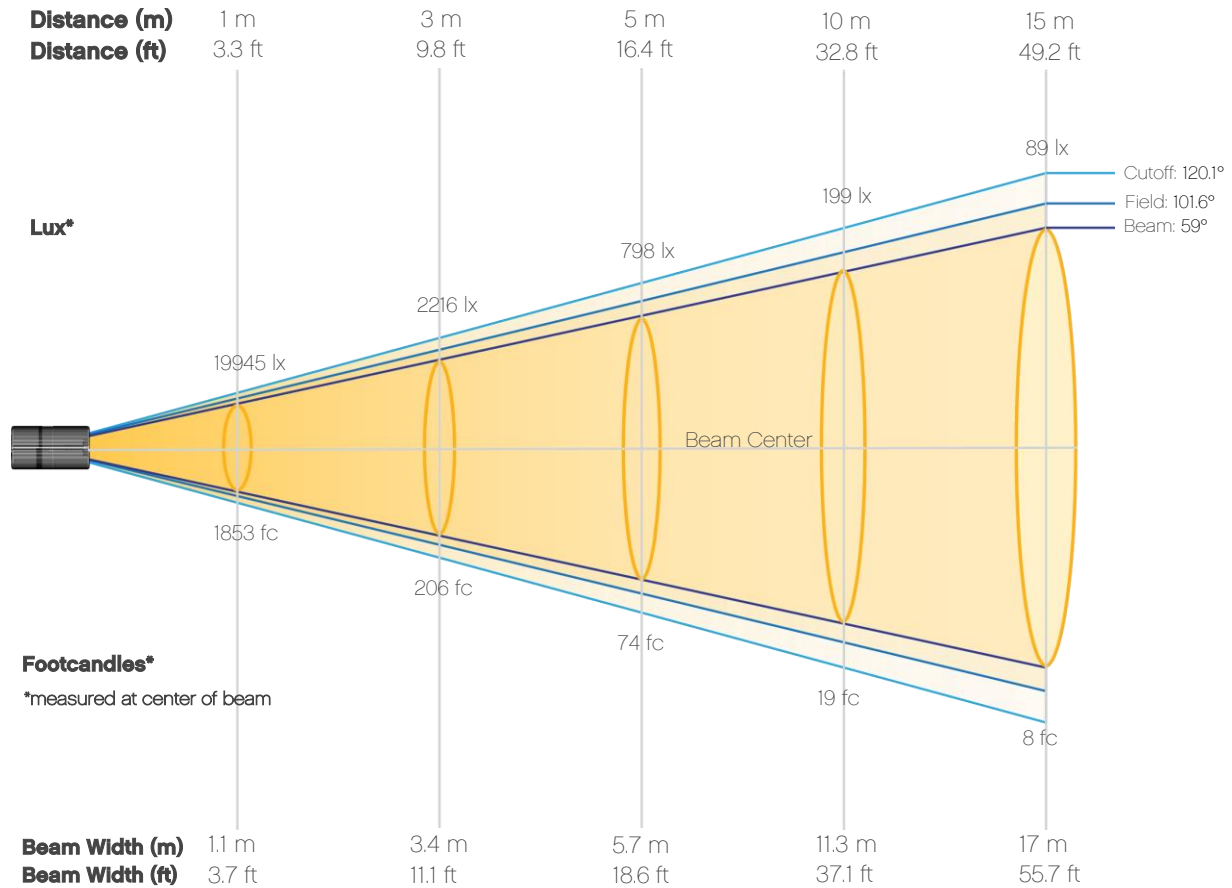
Color Temperature

5584 K

Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 5600K

Beam Details

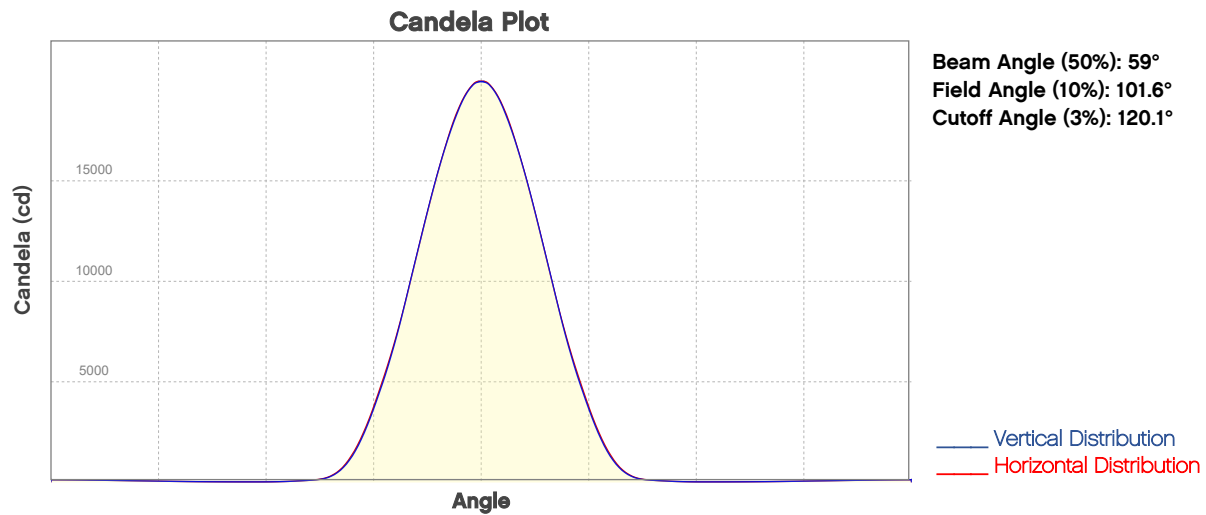


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	19945	4986	2216	1247	798	554	407	312	246	199
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	165	139	118	102	89	78	69	62	55	50
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1853	463	206	116	74	51	38	29	23	19
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	15	13	11	9	8	7	6	6	5	5

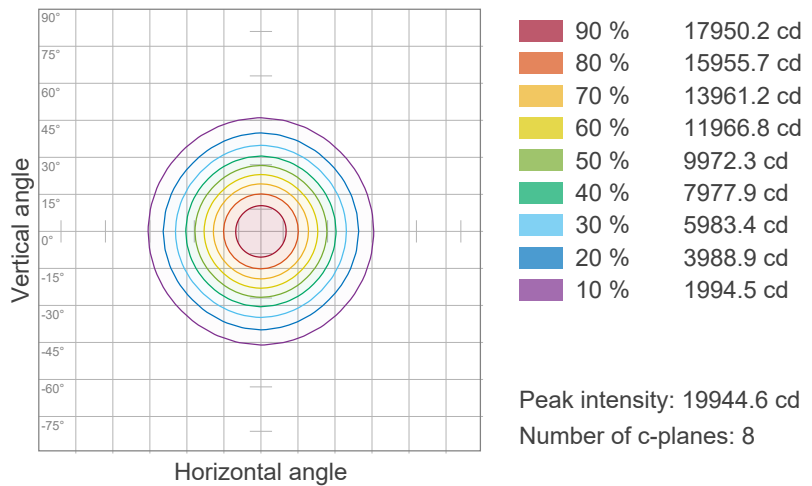
Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 5600K

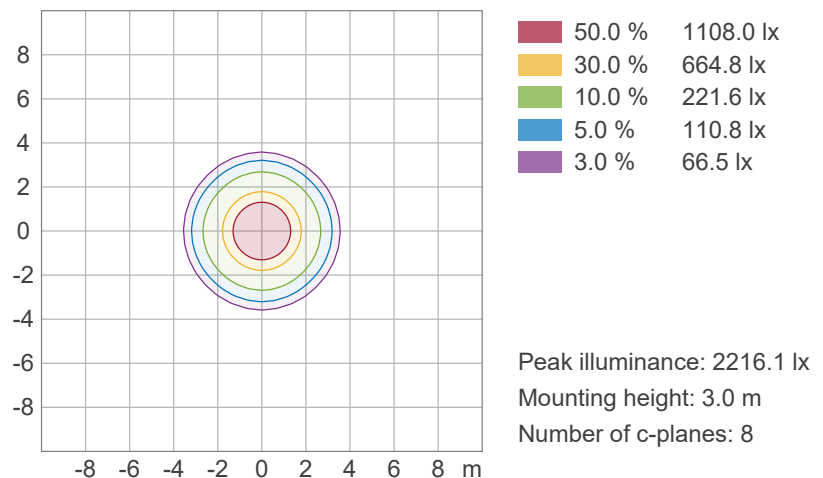


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

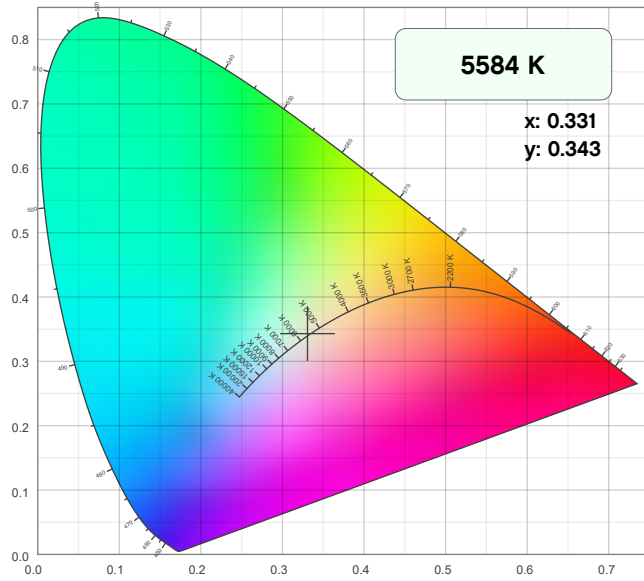


Photometric & Chromaticity Report

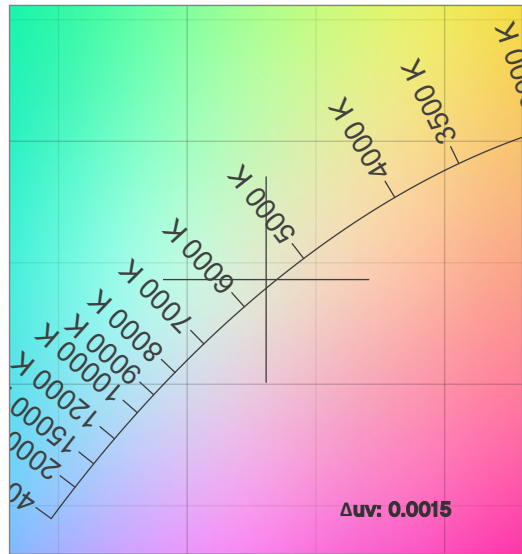
Strike Array 2C : Standard Optics - 5600K

Chromaticity

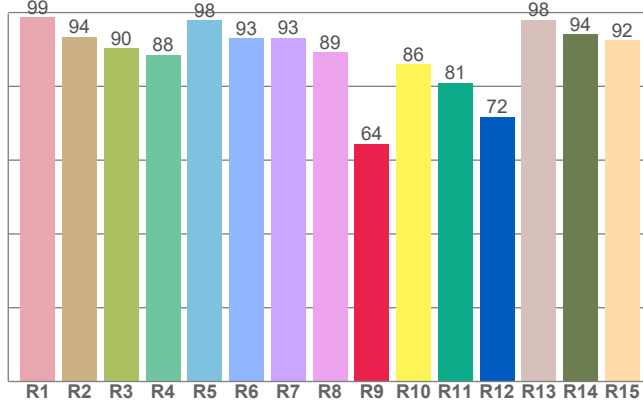
CIE 1931



CIE 1931 - Zoom



CRI: 93.0 (R1-R8)

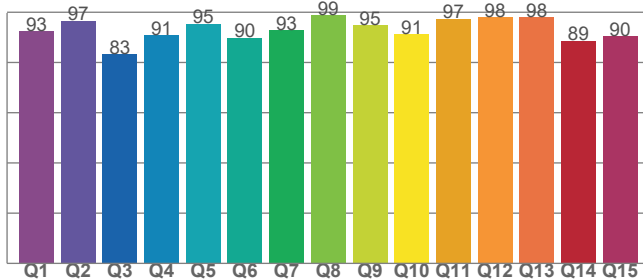


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5584 K	0.331	0.343

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0015	0.343	0.205

CQS: 92.0



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.0	64.4	92.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
87	90.3	103.7

Photometric & Chromaticity Report

Strike Array 2C : Standard Optics - 5600K

TM-30 Details

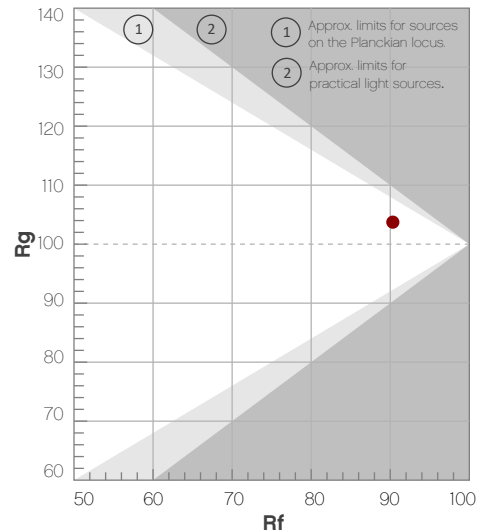
Rf 90.3

Fidelity Index
(Rg)

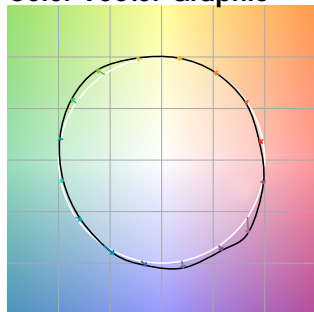
Rg 103.7

Gammut Index
(Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-2%
2	96	-1%	2%
3	91	0%	5%
4	93	0%	4%
5	90	2%	4%
6	88	7%	4%
7	91	5%	-1%
8	94	1%	-2%
9	94	-2%	1%
10	91	-3%	5%
11	81	1%	12%
12	91	3%	5%
13	91	7%	0%
14	90	5%	0%
15	83	9%	-12%
16	94	1%	-3%



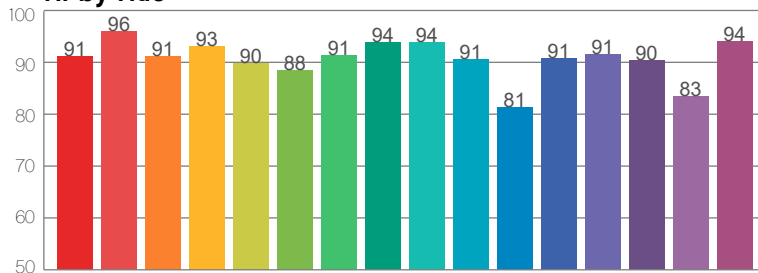
Color Vector Graphic



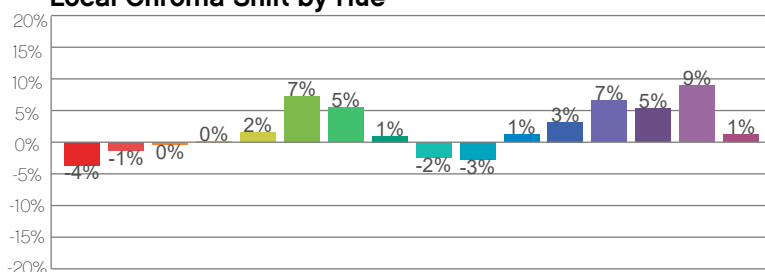
Color Distortion Graphic



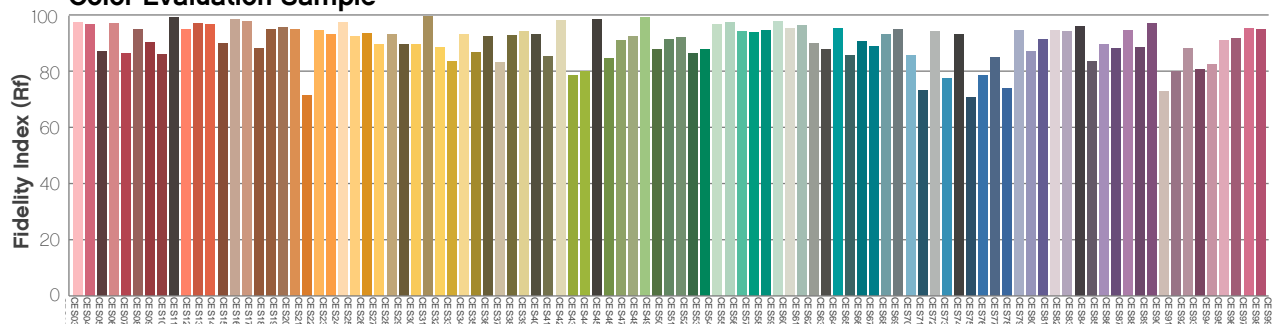
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Red Only

Report Summary

Measurements

Fixture Output: 4364 lm
Fixture Peak: 4239 cd
Fixture Efficacy: 32 lm/W
Intensity @ 5m: 169 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 57.5°
Field Angle (10%): 99.8°
Cutoff Angle (3%): 119.4°

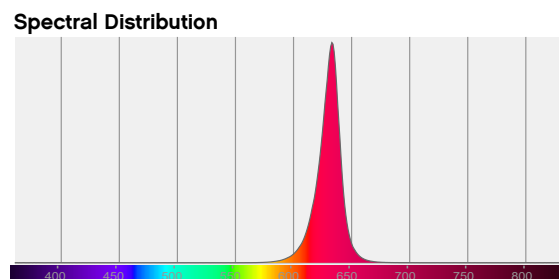
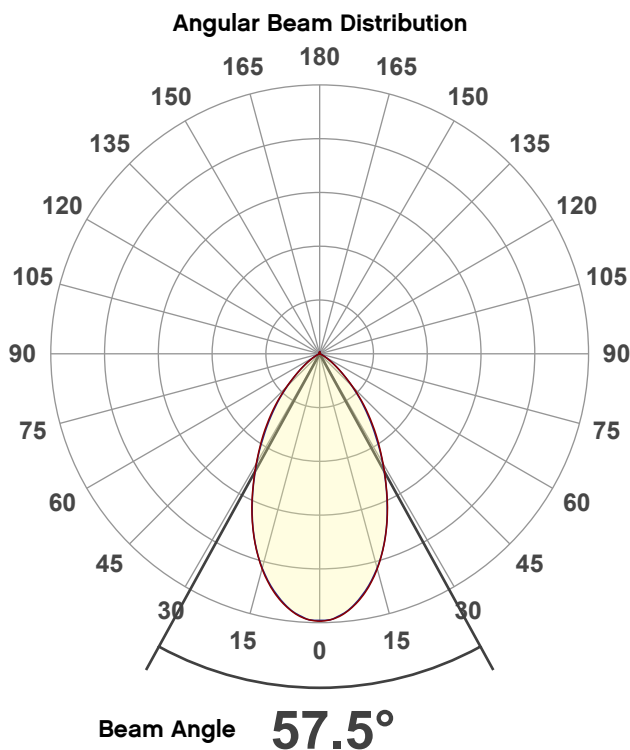


Conditions

AC Supply: 118 V, 60 Hz
Power: 136.24 W
Current: 1.16 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 2/8/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.696

Y: 0.303



Light Quality

CRI: 0.0

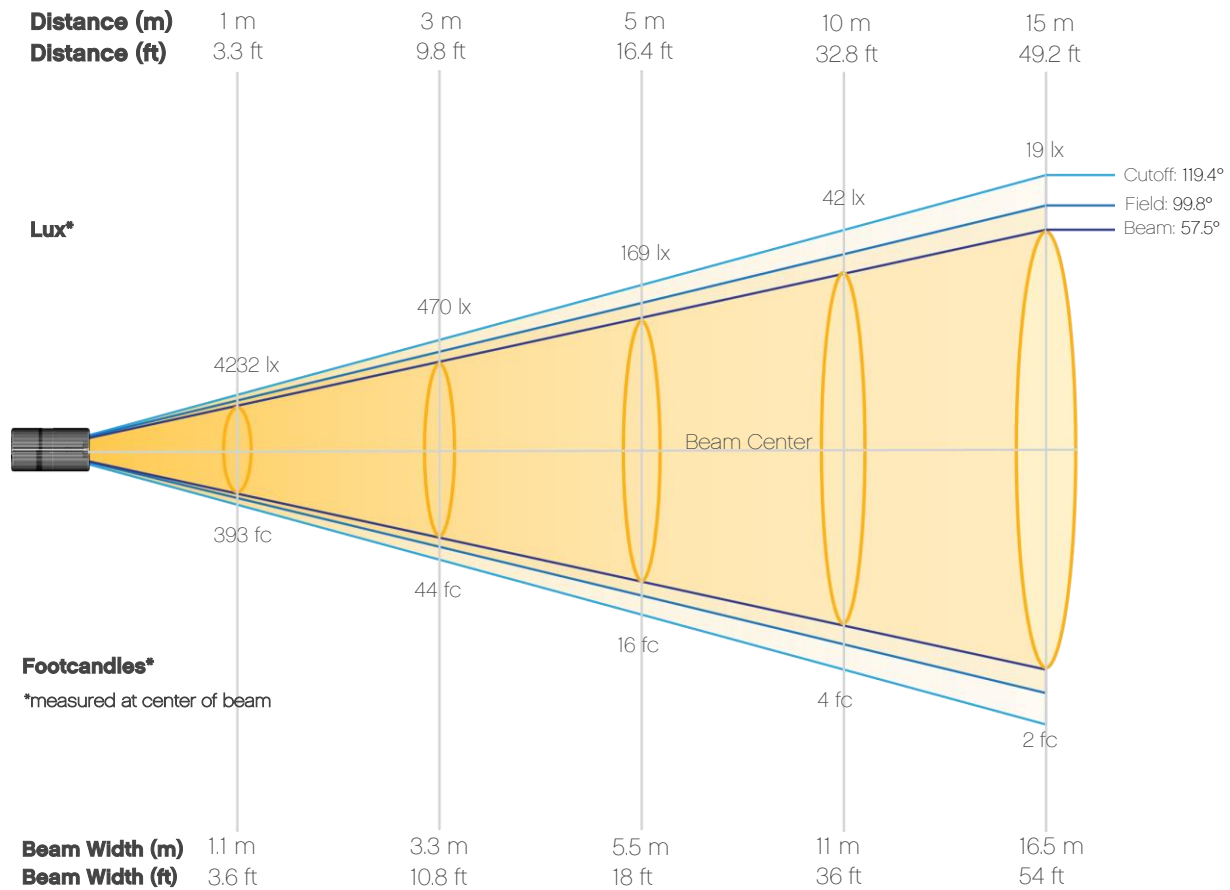
Color Temperature

0 K

Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Red Only

Beam Details

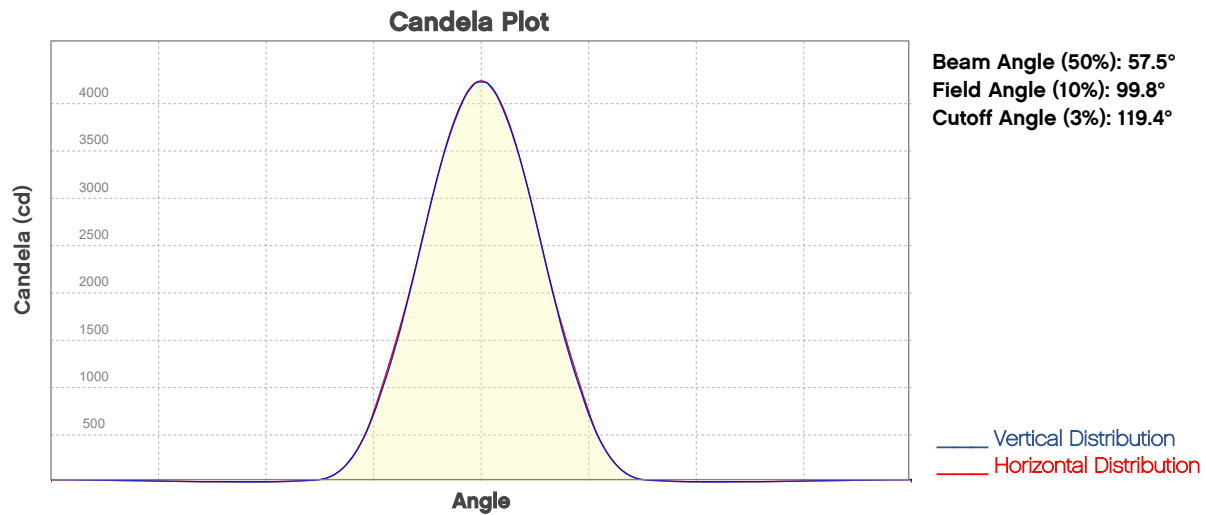


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4232	1058	470	265	169	118	86	66	52	42
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	35	29	25	22	19	17	15	13	12	11
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	393	98	44	25	16	11	8	6	5	4
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	3	3	2	2	2	2	1	1	1	1

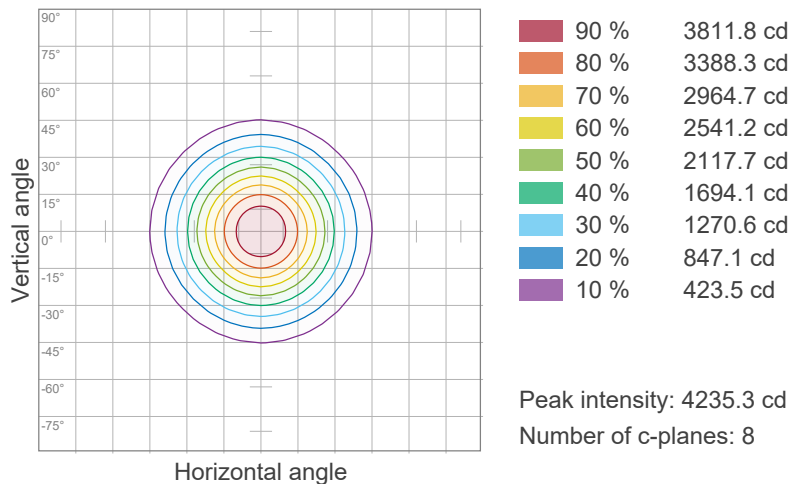
Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Red Only

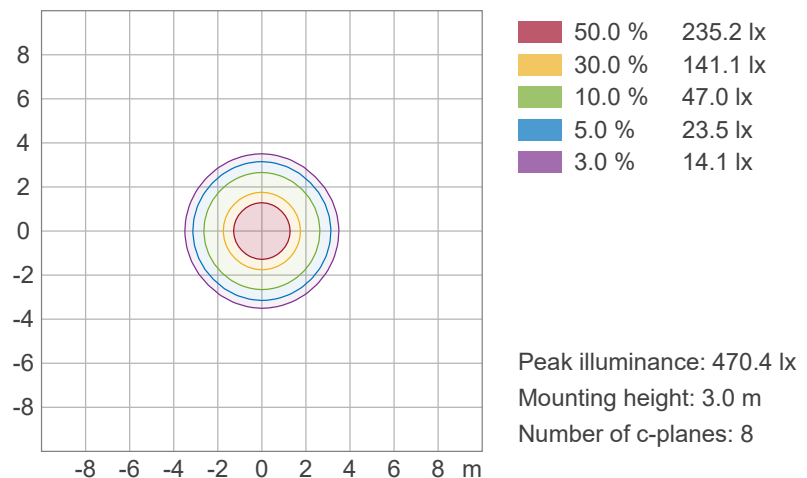


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram



Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Red Only

TM-30 Details

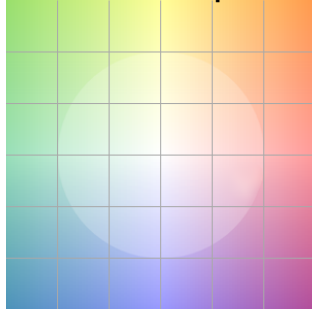
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

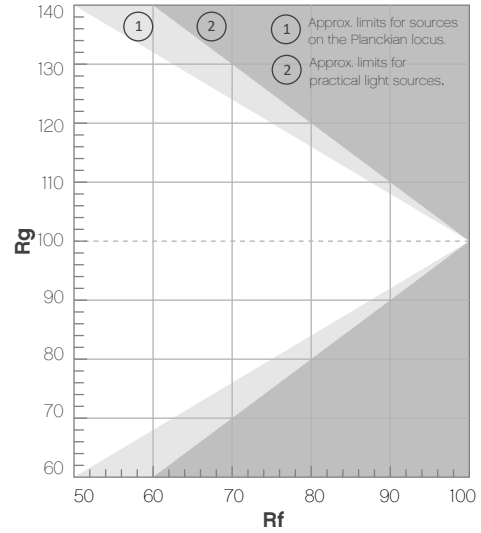
Color Vector Graphic



Color Distortion Graphic



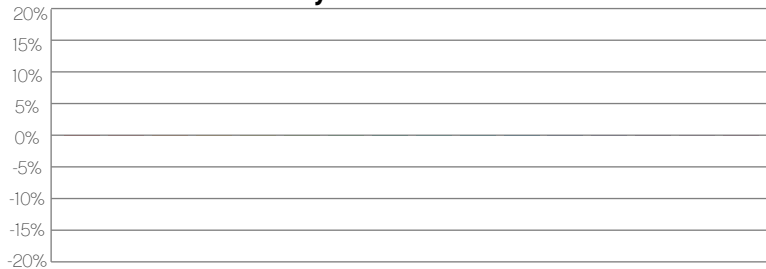
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



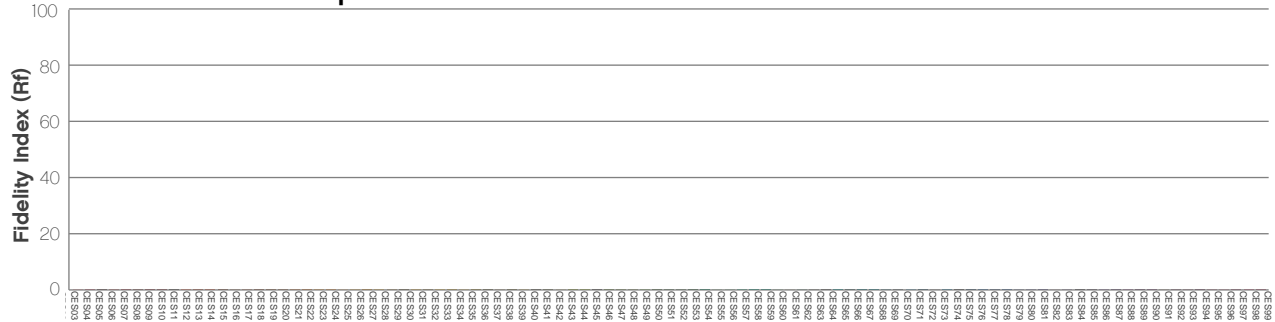
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Green Only

Report Summary

Measurements

Fixture Output: 7748 lm
Fixture Peak: 7552 cd
Fixture Efficacy: 50 lm/W
Intensity @ 5m: 302 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 57.7°
Field Angle (10%): 100.4°
Cutoff Angle (3%): 119.5°

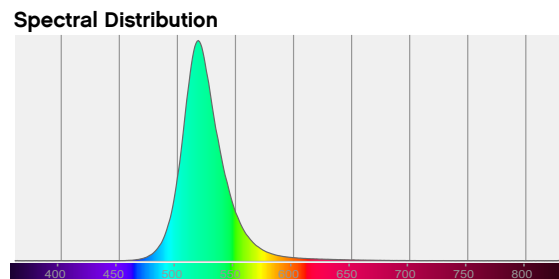
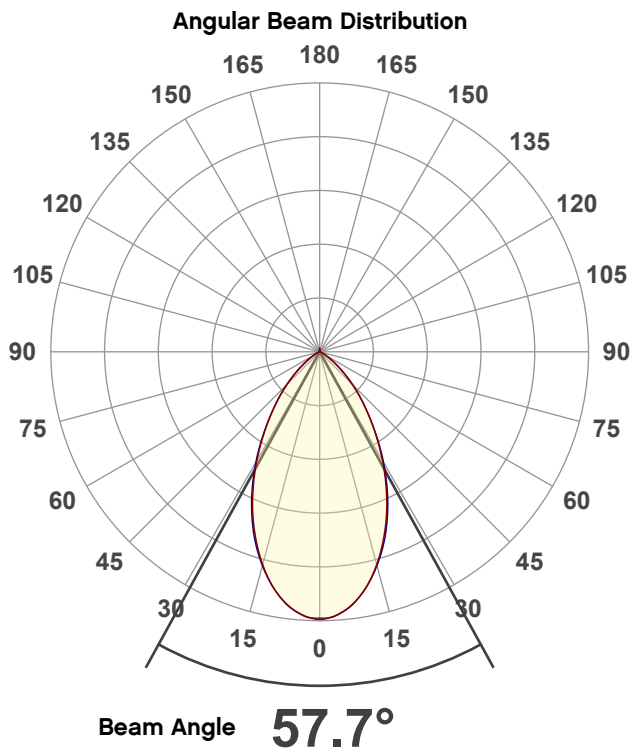


Conditions

AC Supply: 117 V, 60 Hz
Power: 155.84 W
Current: 1.33 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 Davie, FL on 2/8/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.164

Y: 0.715



Light Quality

CRI: 0.0

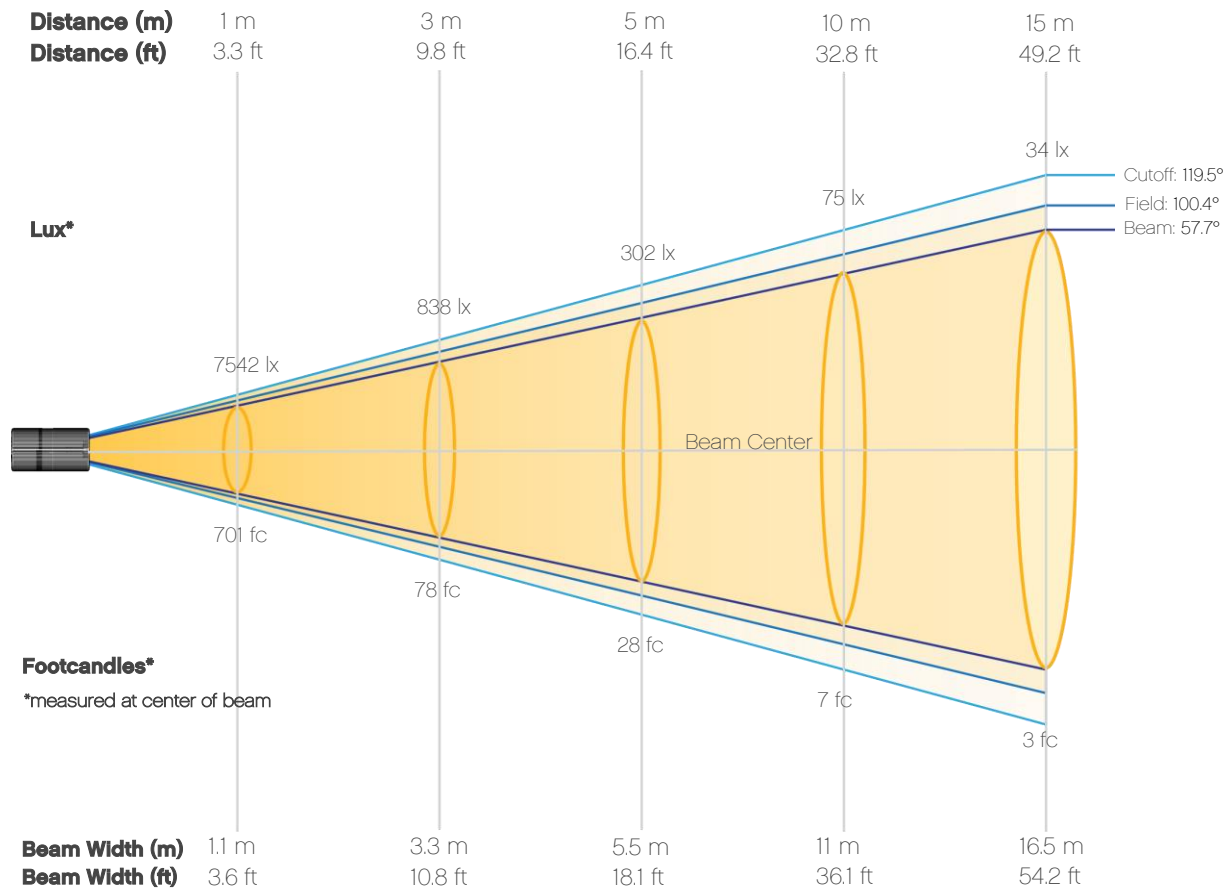
Color Temperature

0 K

Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Green Only

Beam Details

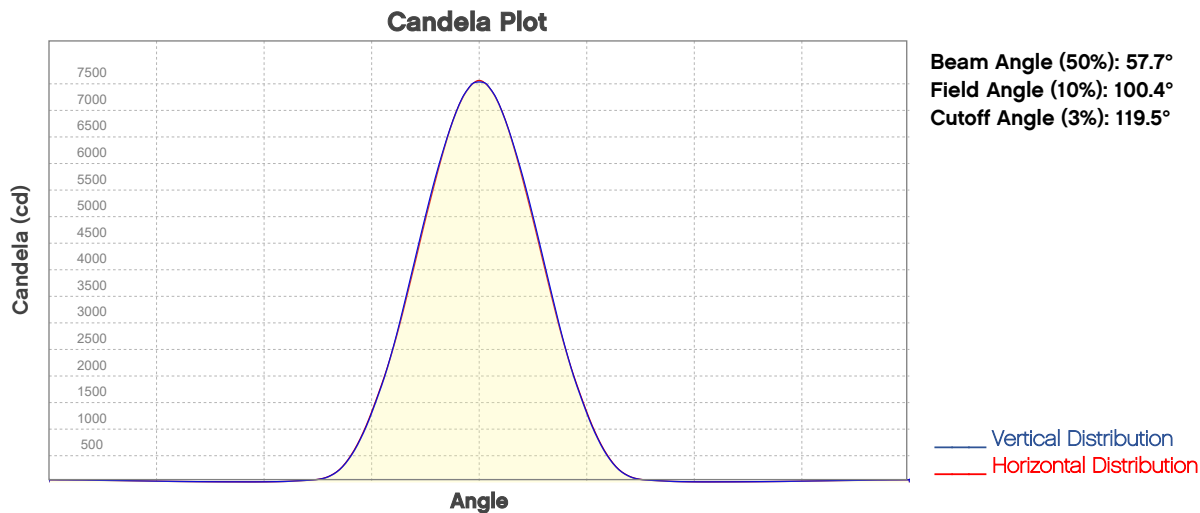


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	7542	1886	838	471	302	210	154	118	93	75
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	62	52	45	38	34	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	701	175	78	44	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

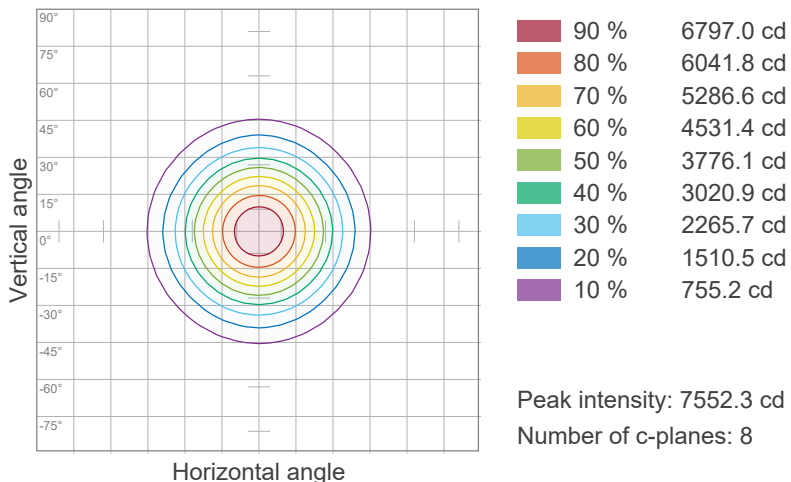
Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Green Only

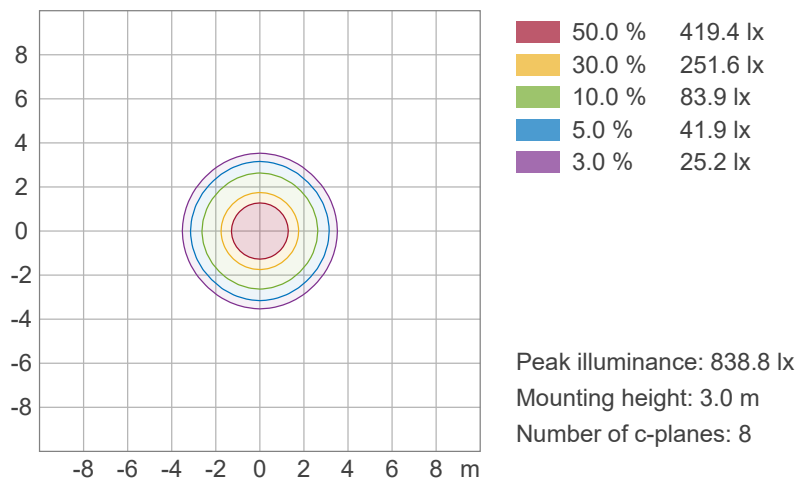


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram



Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Green Only

TM-30 Details

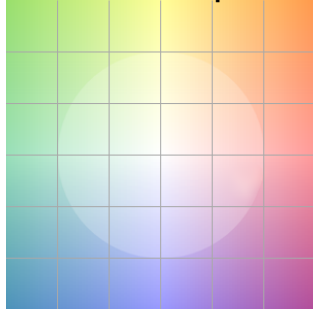
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

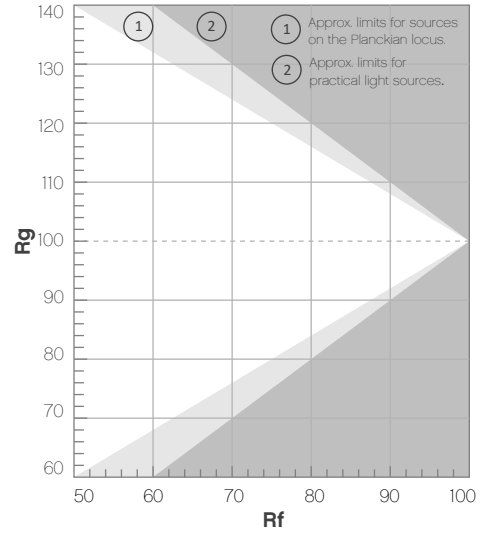
Color Vector Graphic



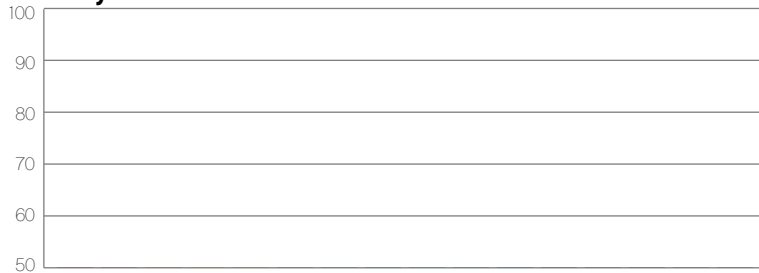
Color Distortion Graphic



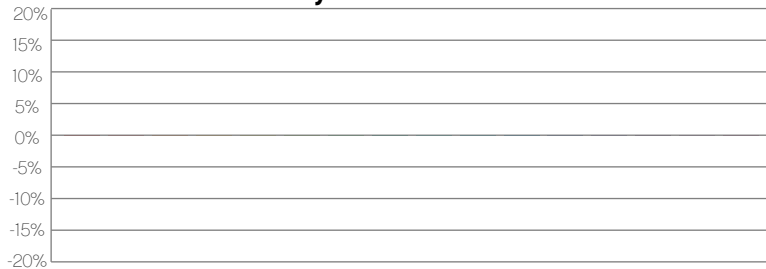
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



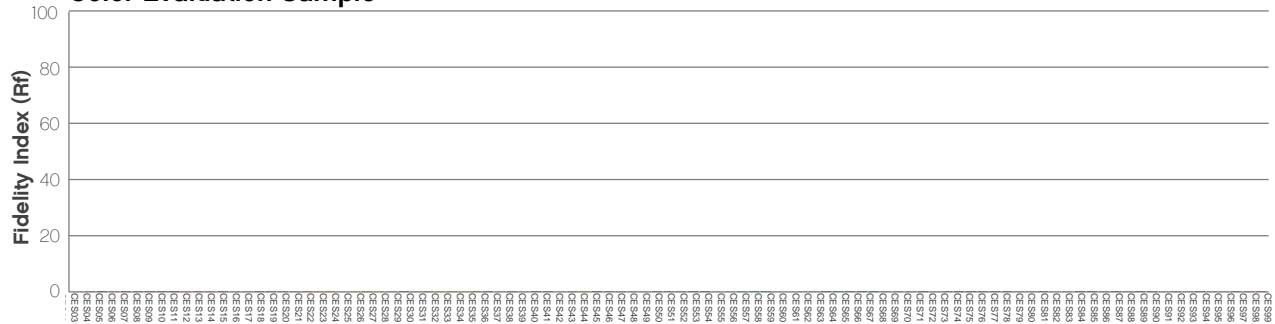
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Blue Only

Report Summary

Measurements

Fixture Output: 1670 lm
Fixture Peak: 1596 cd
Fixture Efficacy: 11 lm/W
Intensity @ 5m: 64 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 57.8°
Field Angle (10%): 101.1°
Cutoff Angle (3%): 120.2°

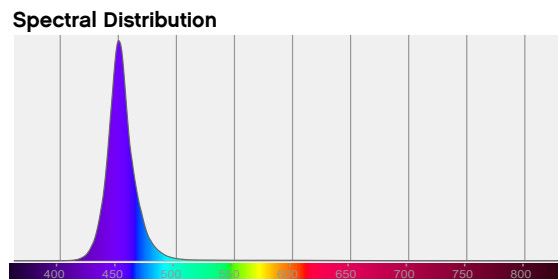
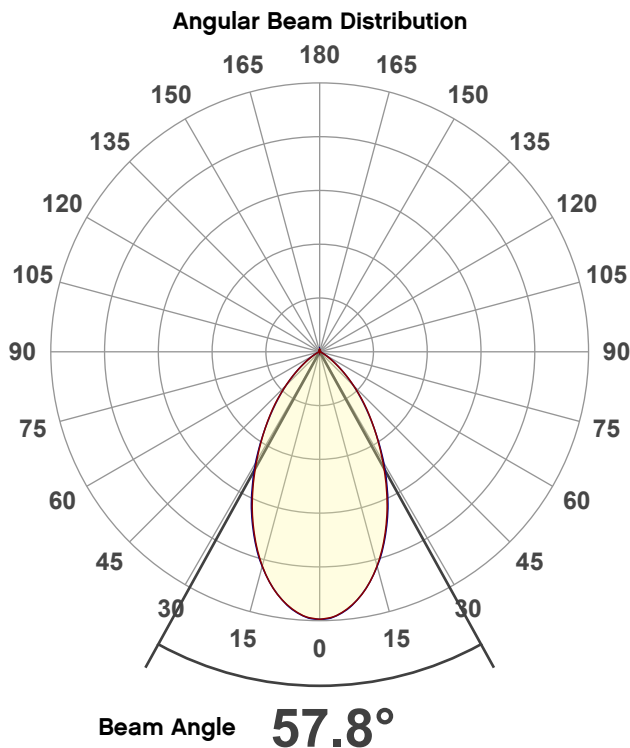


Conditions

AC Supply: 117 V, 60 Hz
Power: 154.3 W
Current: 1.32 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 2/8/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.154

Y: 0.030



Light Quality

CRI: 0.0

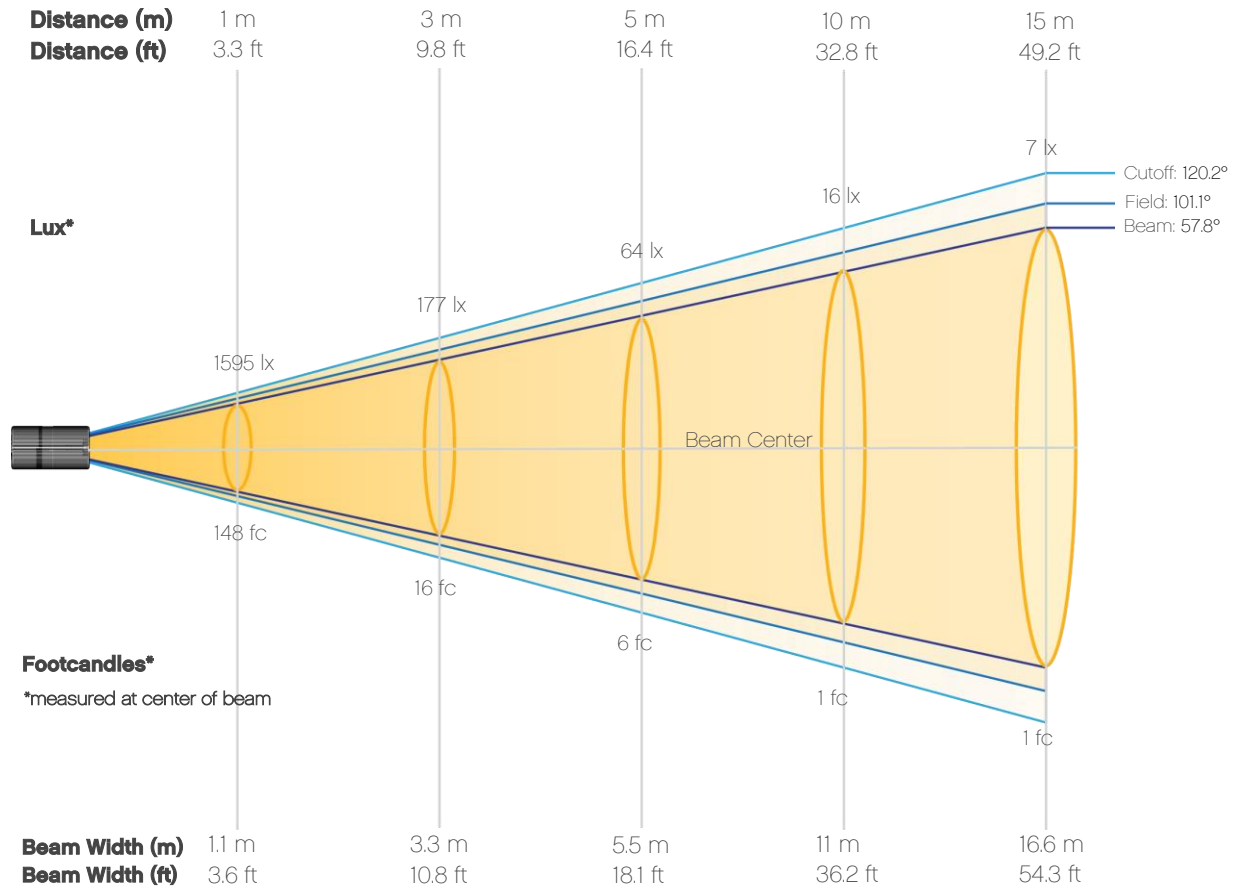
Color Temperature

0 K

Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Blue Only

Beam Details

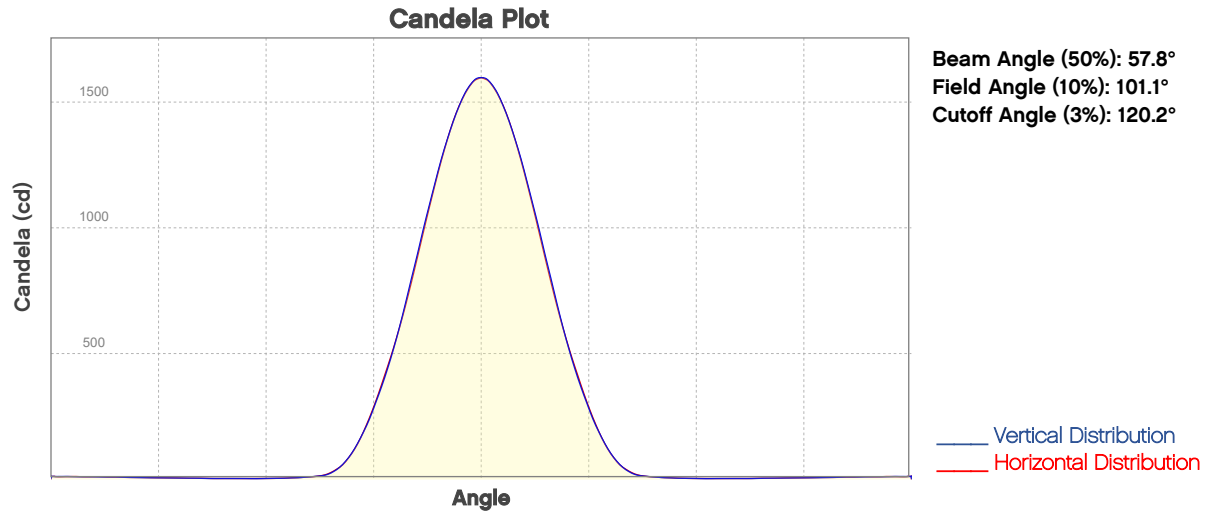


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1595	399	177	100	64	44	33	25	20	16
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	13	11	9	8	7	6	6	5	4	4
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	148	37	16	9	6	4	3	2	2	1
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1	1	1	1	1	1	1	0	0	0

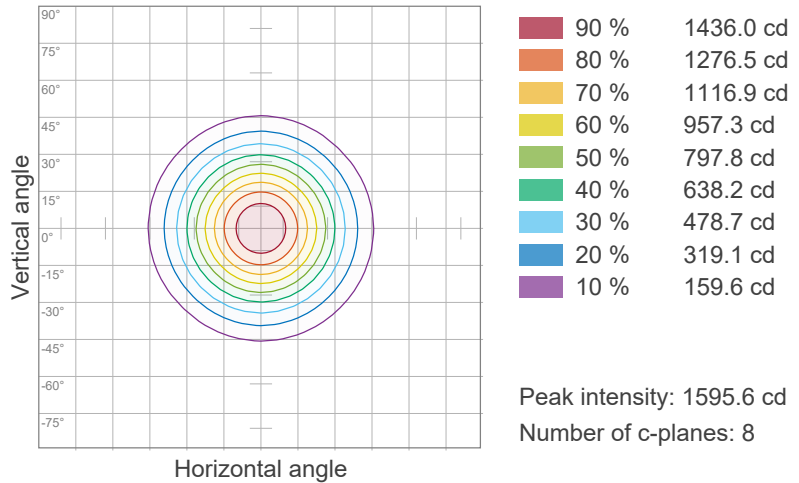
Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Blue Only

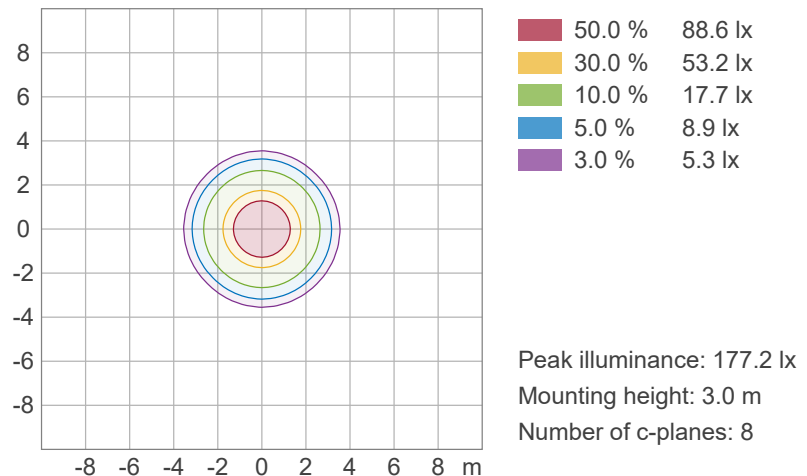


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram



Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Blue Only

TM-30 Details

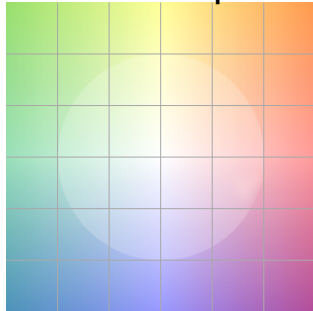
Rf 0.0

Fidelity Index
(Rg)

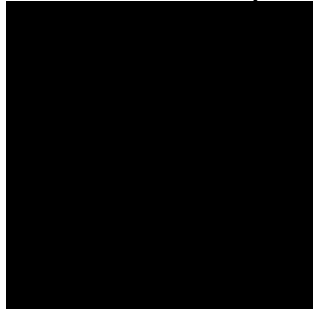
Rg 0.0

Gammut Index
(Rg)

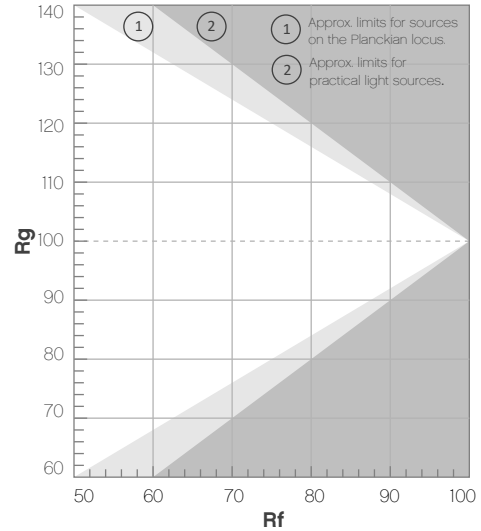
Color Vector Graphic



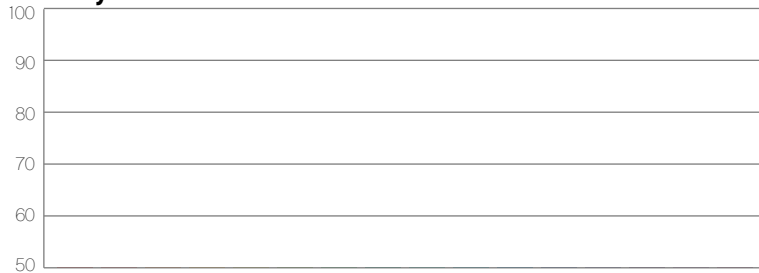
Color Distortion Graphic



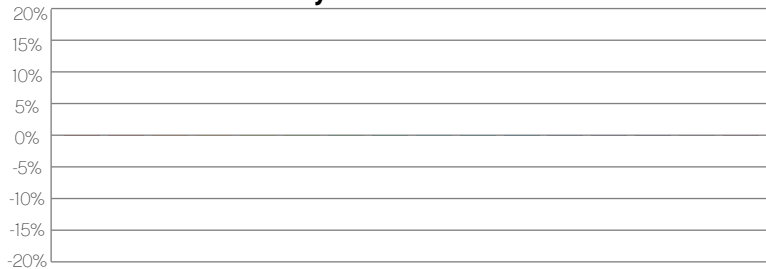
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



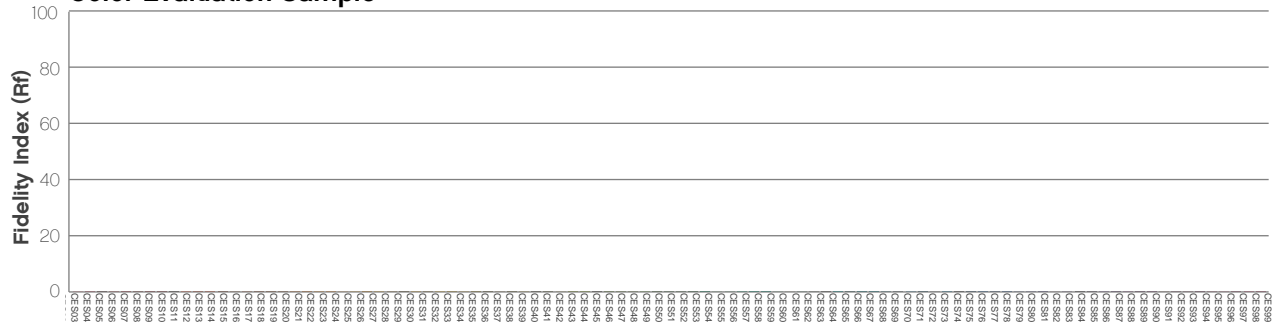
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Amber Only

Report Summary

Measurements

Fixture Output: 6087 lm
Fixture Peak: 5952 cd
Fixture Efficacy: 39 lm/W
Intensity @ 5m: 238 lux
Color Temperature: 1808 K
CRI: 52.7 CRI R9 Value: -76.3
CQS: 37.6
TLCI: 27
TM-30 Rf: 63.7
TM-30 Rg: 74.3
Beam Angle (50%): 57.2°
Field Angle (10%): 99.8°
Cutoff Angle (3%): 119.3°

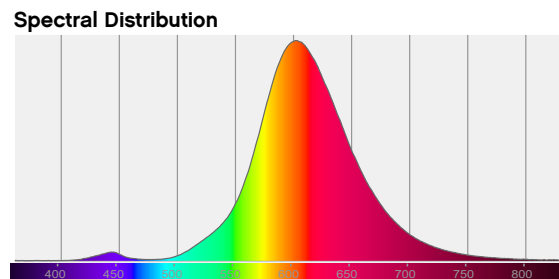
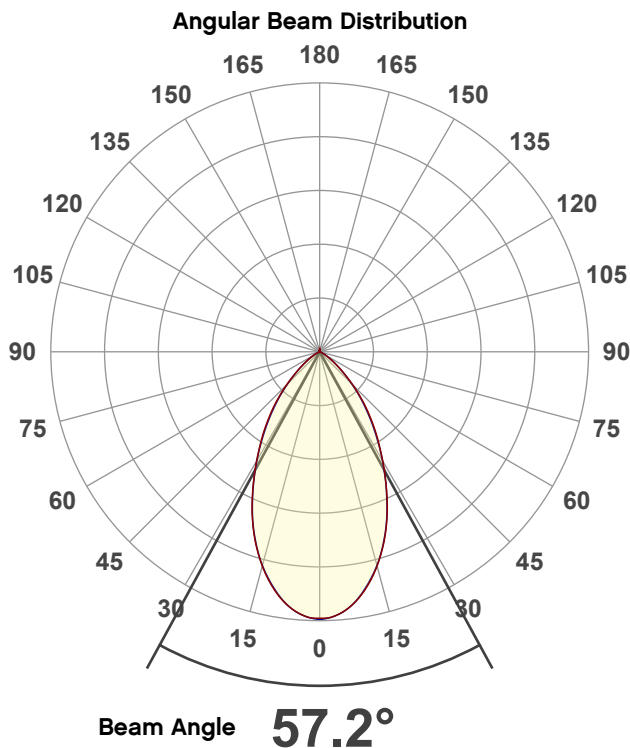


Conditions

AC Supply: 117 V, 60.1 Hz
Power: 155.9 W
Current: 1.33 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 Davie, FL on 2/8/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.559

Y: 0.421



Light Quality

CRI: 52.7

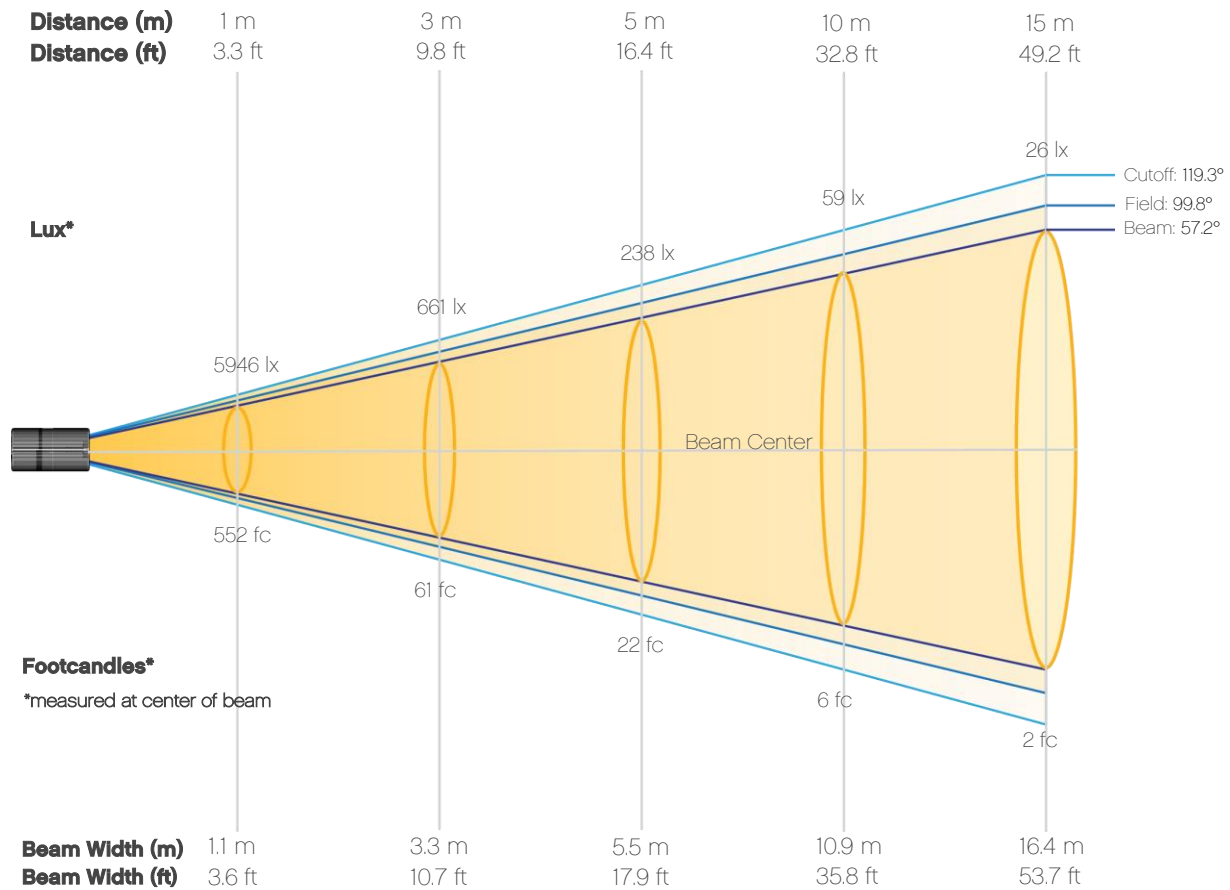
Color Temperature

1808 K

Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Amber Only

Beam Details

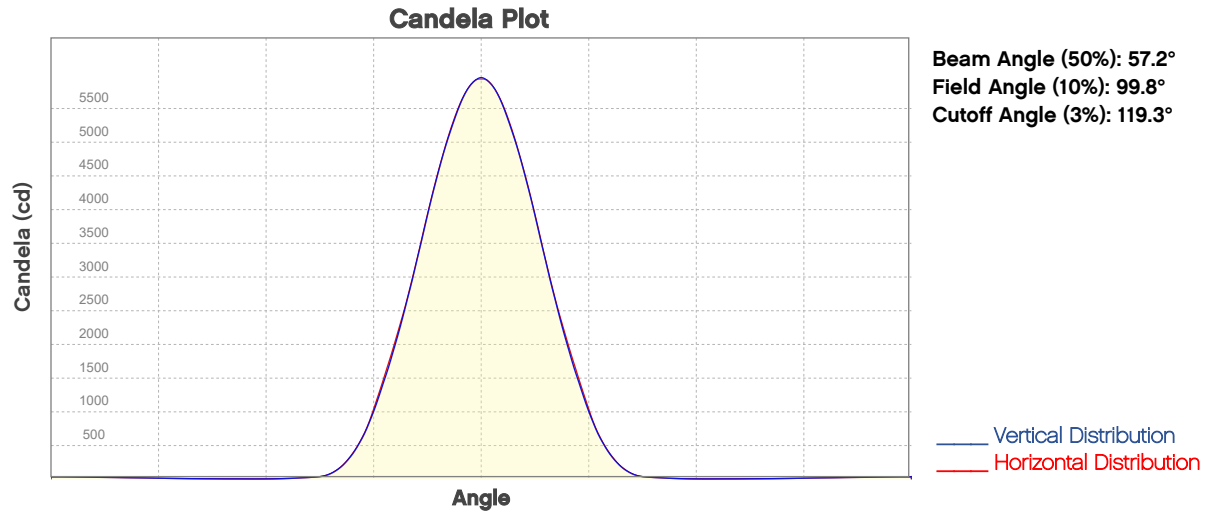


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	5946	1487	661	372	238	165	121	93	73	59
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	49	41	35	30	26	23	21	18	16	15
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	552	138	61	35	22	15	11	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	2	2	2	2	2	1

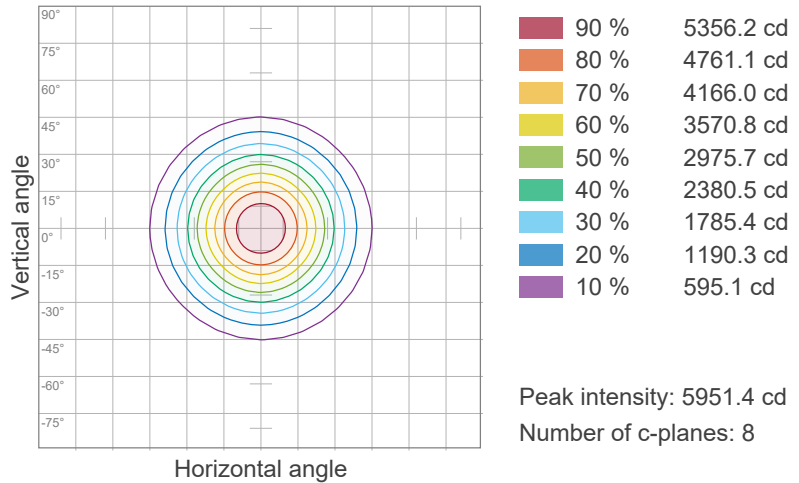
Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Amber Only

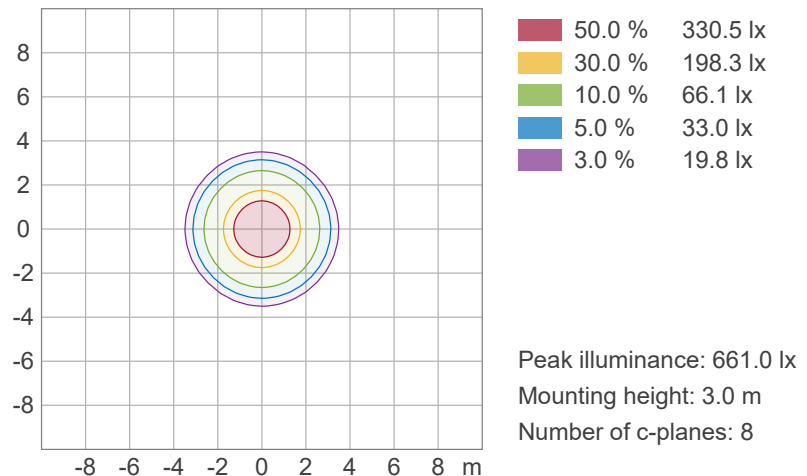


ISO Diagrams

ISO Candela Diagram



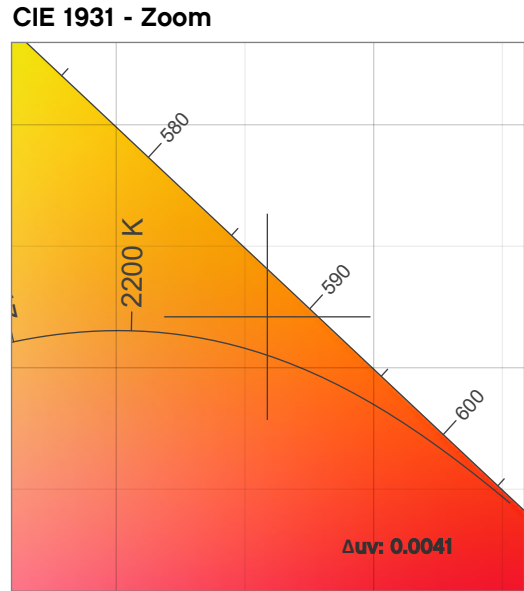
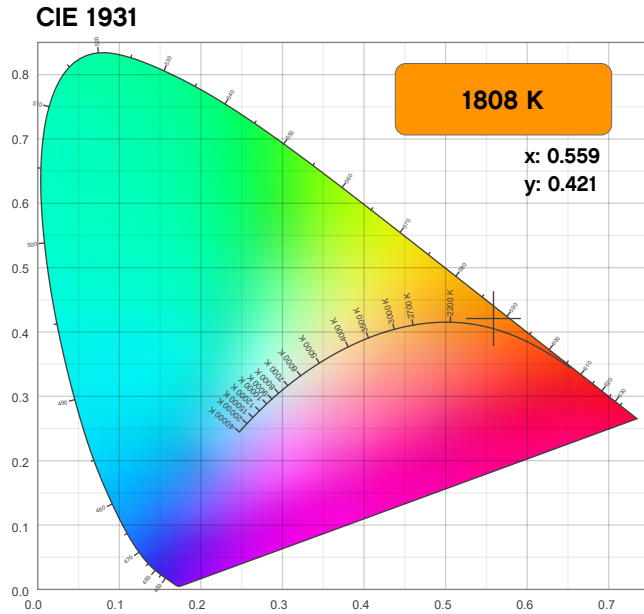
ISO Lux Diagram



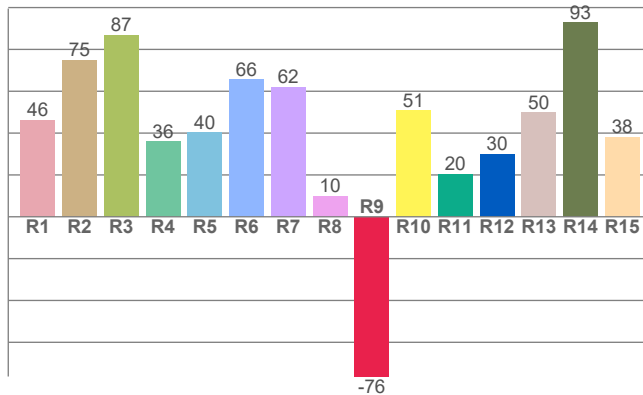
Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Amber Only

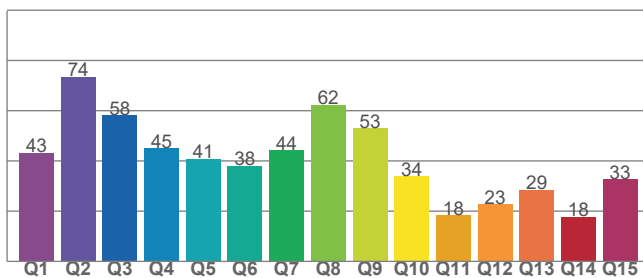
Chromaticity



CRI: 52.7 (R1-R8)



CQS: 37.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
1808 K	0.559	0.421

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0041	0.421	0.322

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
52.7	-76.3	37.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
27	63.7	74.3

Photometric & Chromaticity Report

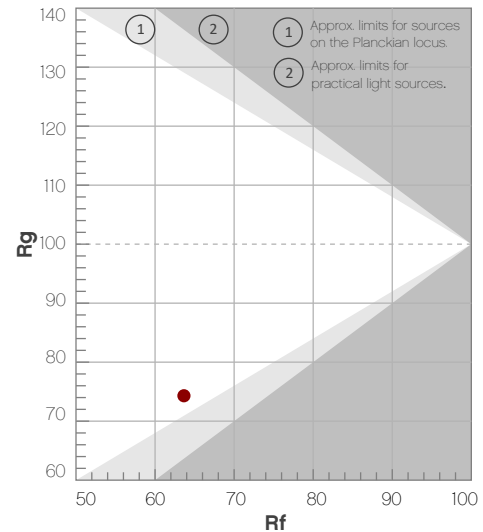
Strike Array 2C: Standard Optics - Amber Only

TM-30 Details

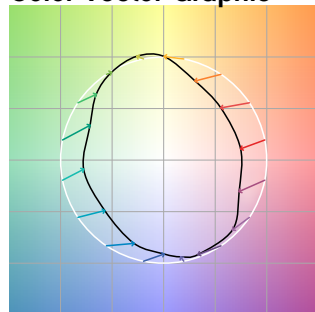
Rf 63.7
Fidelity Index
(Rg)

Rg 74.3
Gammut Index
(Rg)

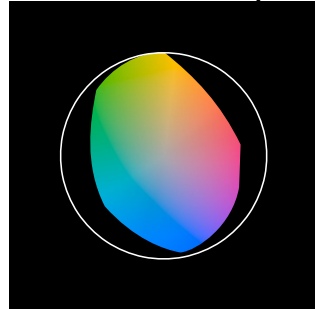
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	51	-25%	-4%
2	53	-26%	11%
3	52	-19%	17%
4	74	-1%	19%
5	87	4%	6%
6	79	-1%	-5%
7	70	-10%	-17%
8	59	-23%	-19%
9	57	-22%	-6%
10	55	-25%	9%
11	56	-17%	21%
12	62	-11%	18%
13	78	-5%	-2%
14	76	-5%	-23%
15	70	-7%	-19%
16	58	-22%	-16%



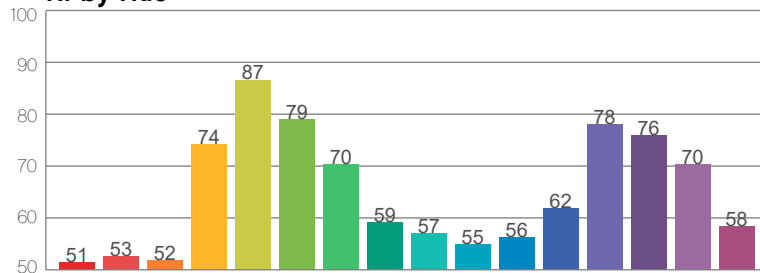
Color Vector Graphic



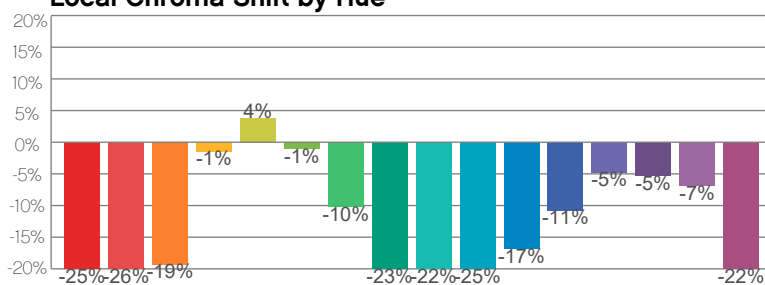
Color Distortion Graphic



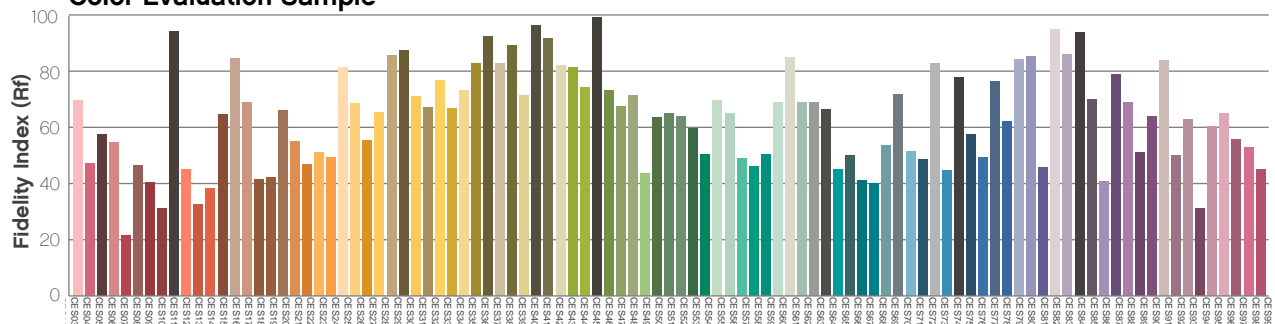
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Warm White Only

Report Summary

Measurements

Fixture Output: 12880 lm
Fixture Peak: 11736 cd
Fixture Efficacy: 59 lm/W
Intensity @ 5m: 469 lux
Color Temperature: 3165 K
CRI: 83.4 CRI R9 Value: 15.9
CQS: 82.3
TLCI: 69
TM-30 Rf: 84.2
TM-30 Rg: 99.0
Beam Angle (50%): 60.6°
Field Angle (10%): 102.9°
Cutoff Angle (3%): 121.3°

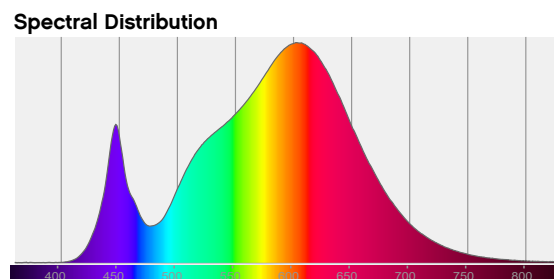
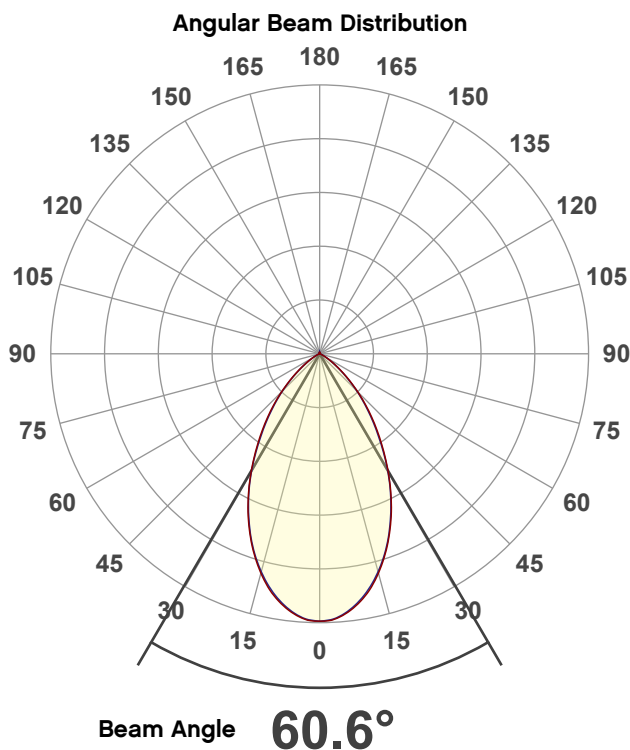


Conditions

AC Supply: 116 V, 60.1 Hz
Power: 224.76 W
Current: 1.93 A
Power Factor: 0.98

This data sheet conforms to American National Standard E1.9 - 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 2/8/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.426

Y: 0.399



Light Quality

CRI: 83.4



Color Temperature

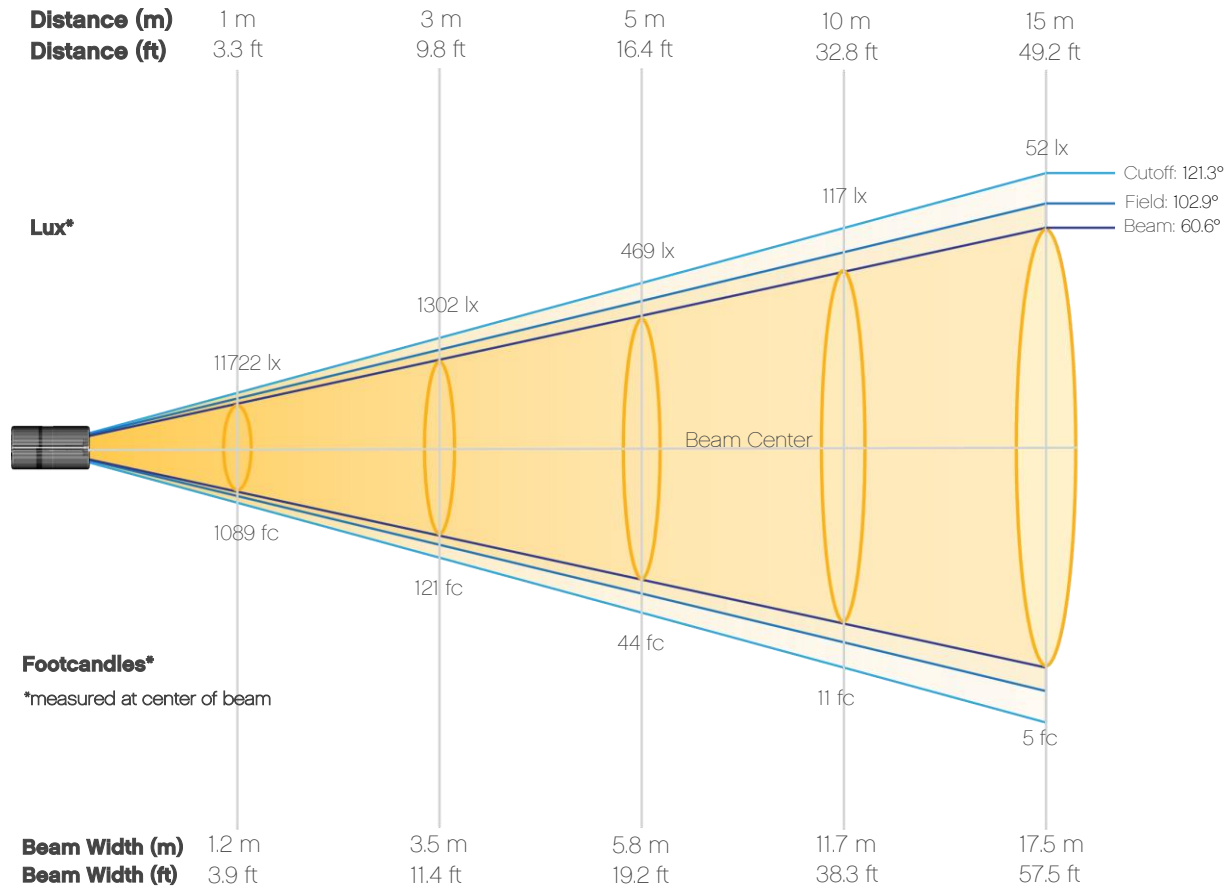
3165 K



Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Warm White Only

Beam Details

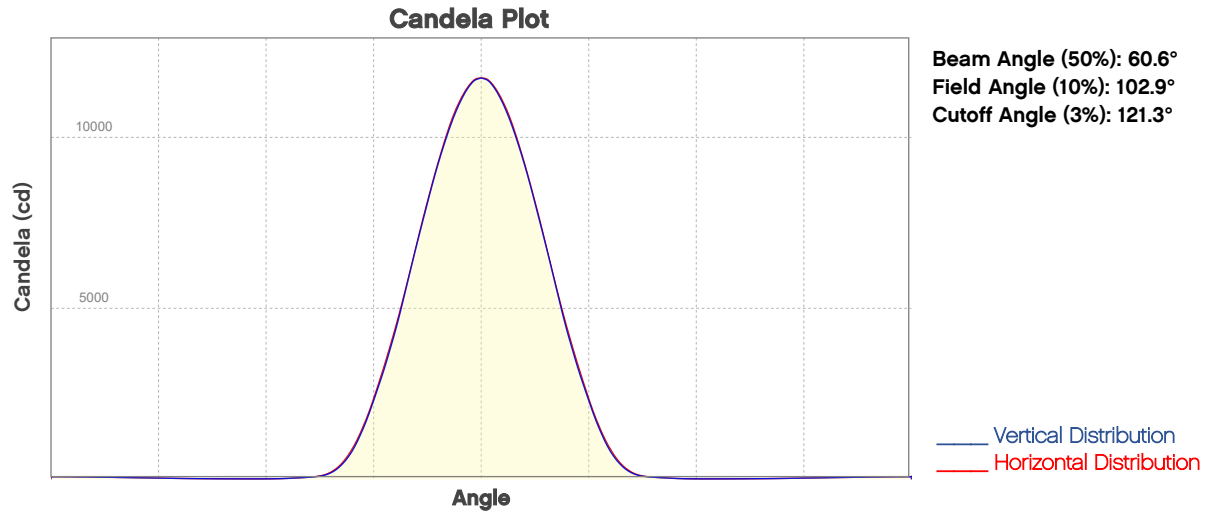


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11722	2930	1302	733	469	326	239	183	145	117
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	97	81	69	60	52	46	41	36	32	29
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1089	272	121	68	44	30	22	17	13	11
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	8	6	6	5	4	4	3	3	3

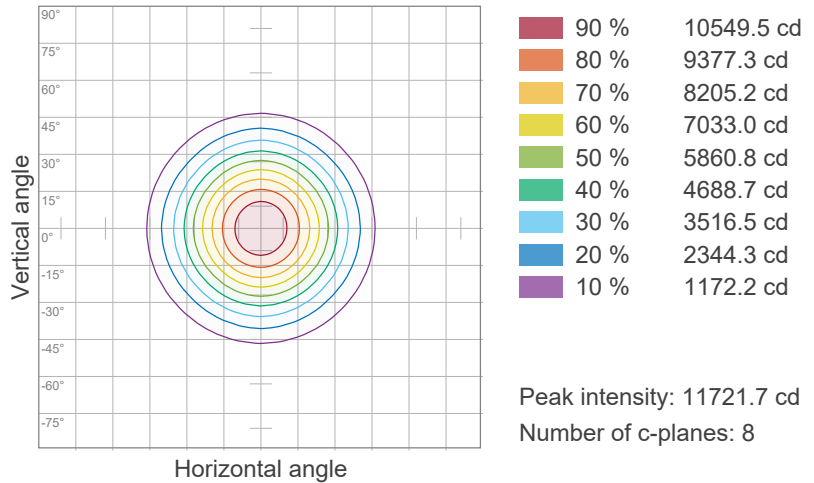
Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Warm White Only

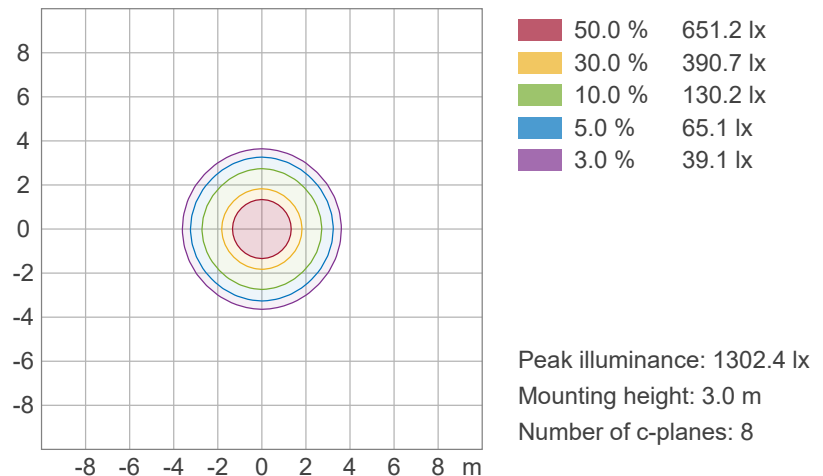


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

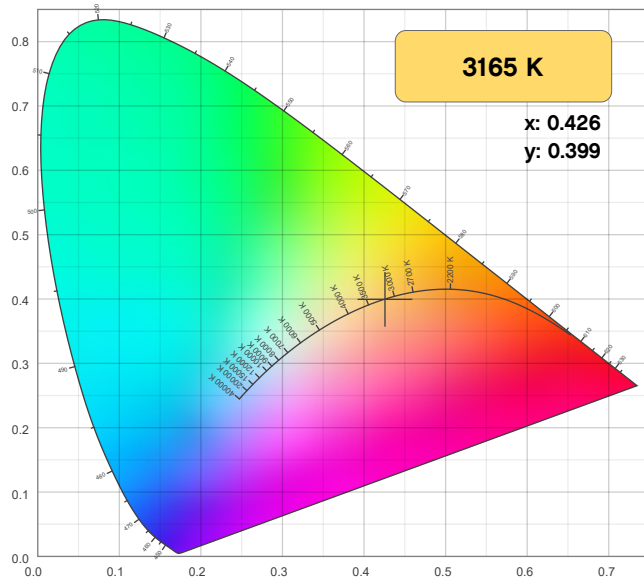


Photometric & Chromaticity Report

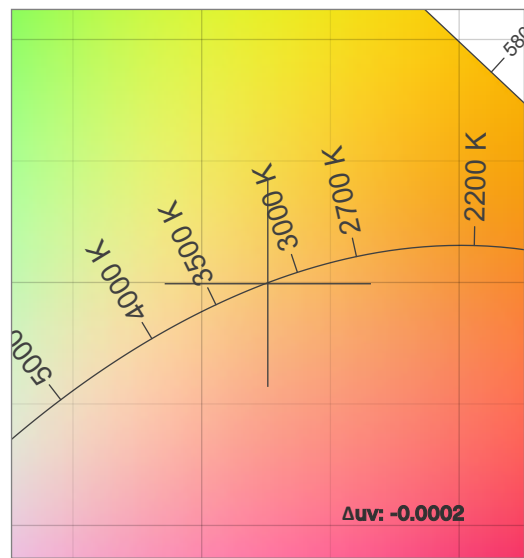
Strike Array 2C: Standard Optics - Warm White Only

Chromaticity

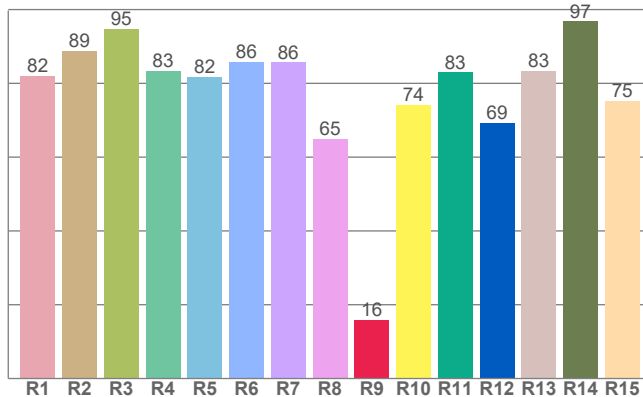
CIE 1931



CIE 1931 - Zoom



CRI: 83.4 (R1-R8)

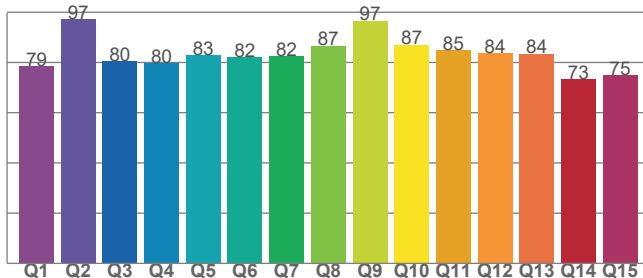


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3165 K	0.426	0.399

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0002	0.399	0.245

CQS: 82.3



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
83.4	15.9	82.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
69	84.2	99.0

Photometric & Chromaticity Report

Strike Array 2C: Standard Optics - Warm White Only

TM-30 Details

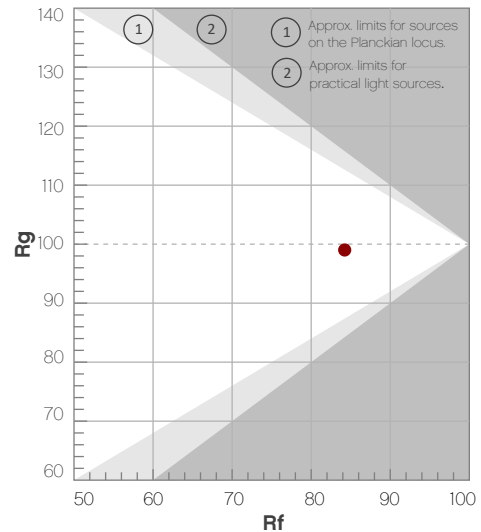
Rf 84.2

Fidelity Index
(Rg)

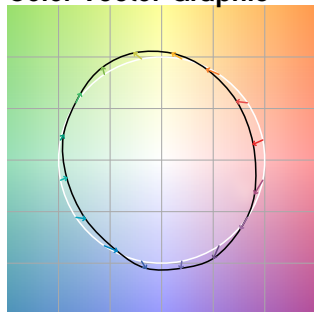
Rg 99.0

Gammut Index
(Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	13%
4	83	4%	10%
5	89	7%	6%
6	89	7%	-2%
7	84	1%	-10%
8	91	-2%	-5%
9	90	-6%	-1%
10	84	-7%	6%
11	80	-3%	13%
12	86	6%	5%
13	89	7%	-2%
14	84	7%	-11%
15	81	1%	-13%
16	81	-5%	-14%



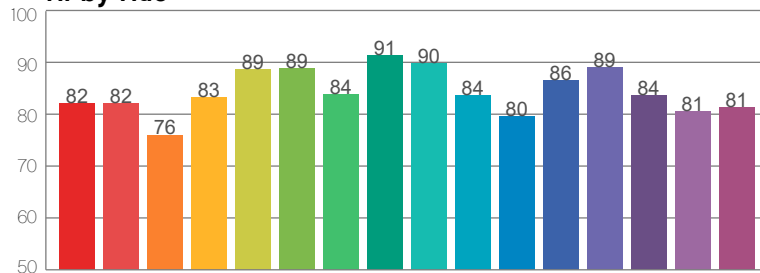
Color Vector Graphic



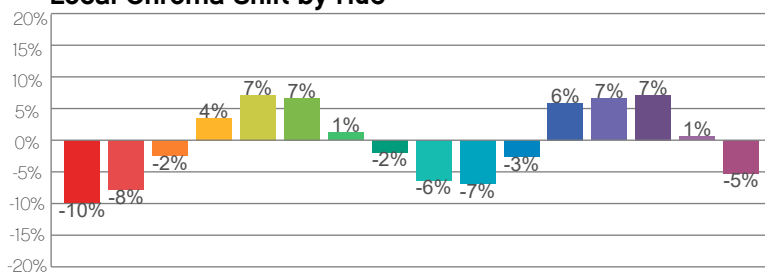
Color Distortion Graphic



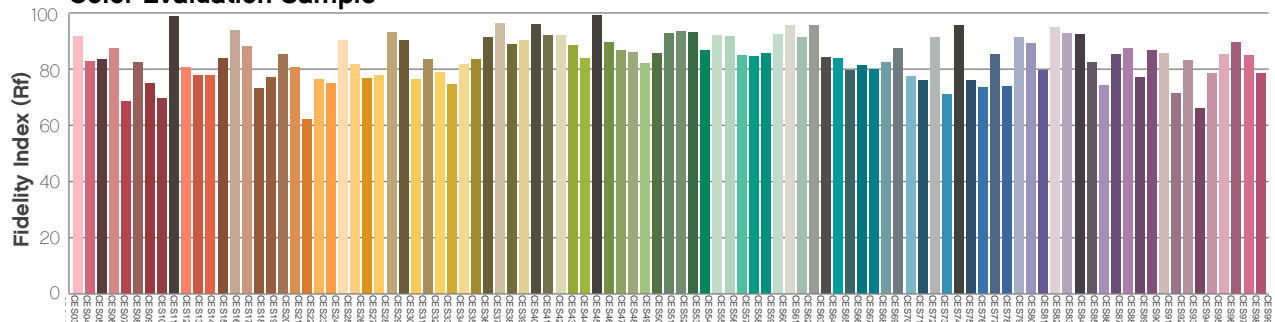
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Contact Us

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

