

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1048345

Luminaire Tested: **GALN-SA1A-730-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048345
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-730-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3592.1 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 29
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

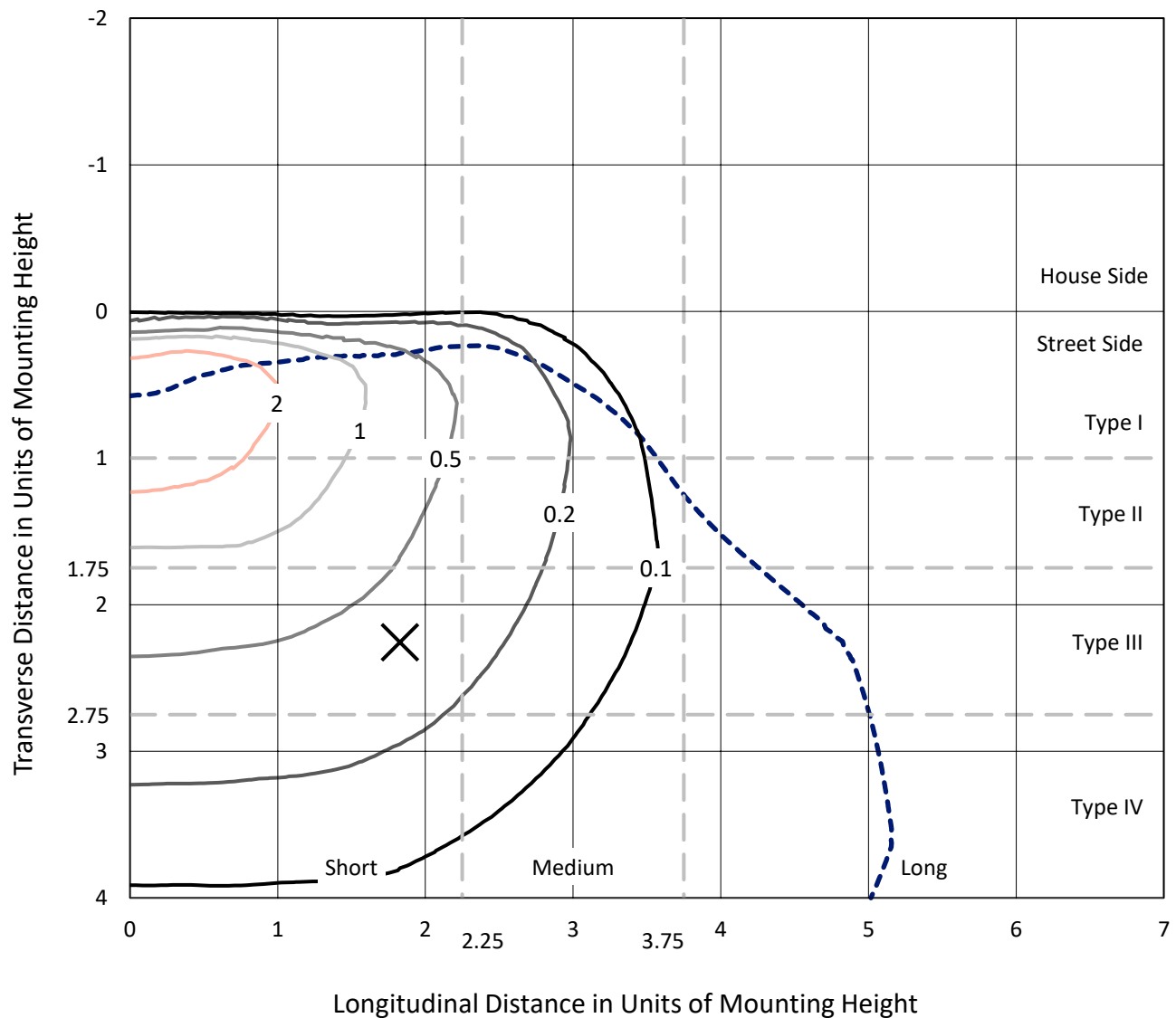


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CATALOG NUMBER: GALN-SA1A-730-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

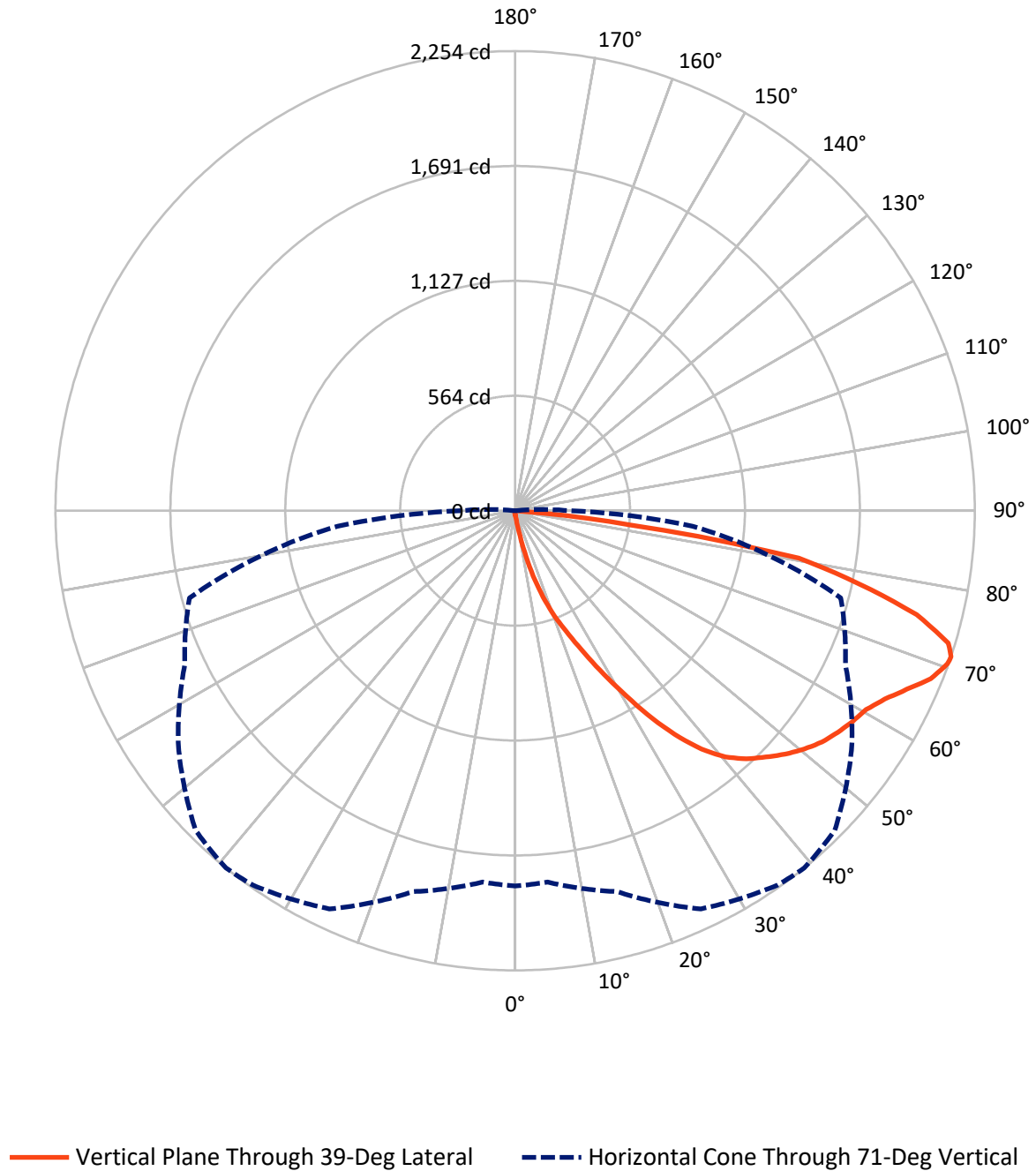


Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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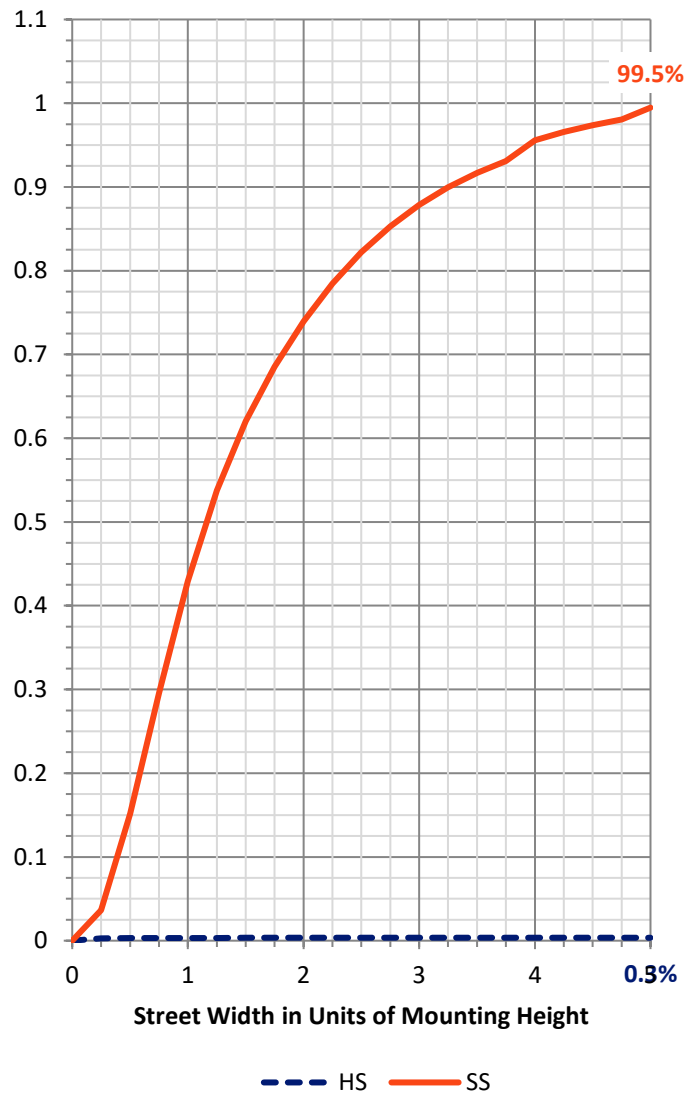
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12.8	0.0	12.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3579.3	0.0	3579.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	3592.1	0.0	3592.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	38.4	1.1
20°-30°	136.7	3.8
30°-40°	329.5	9.2
40°-50°	551.5	15.4
50°-60°	708.3	19.7
60°-70°	896.4	25.0
70°-80°	799.1	22.2
80°-90°	129.2	3.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3592.1	100.0
0°-180°	3592.1	100.0



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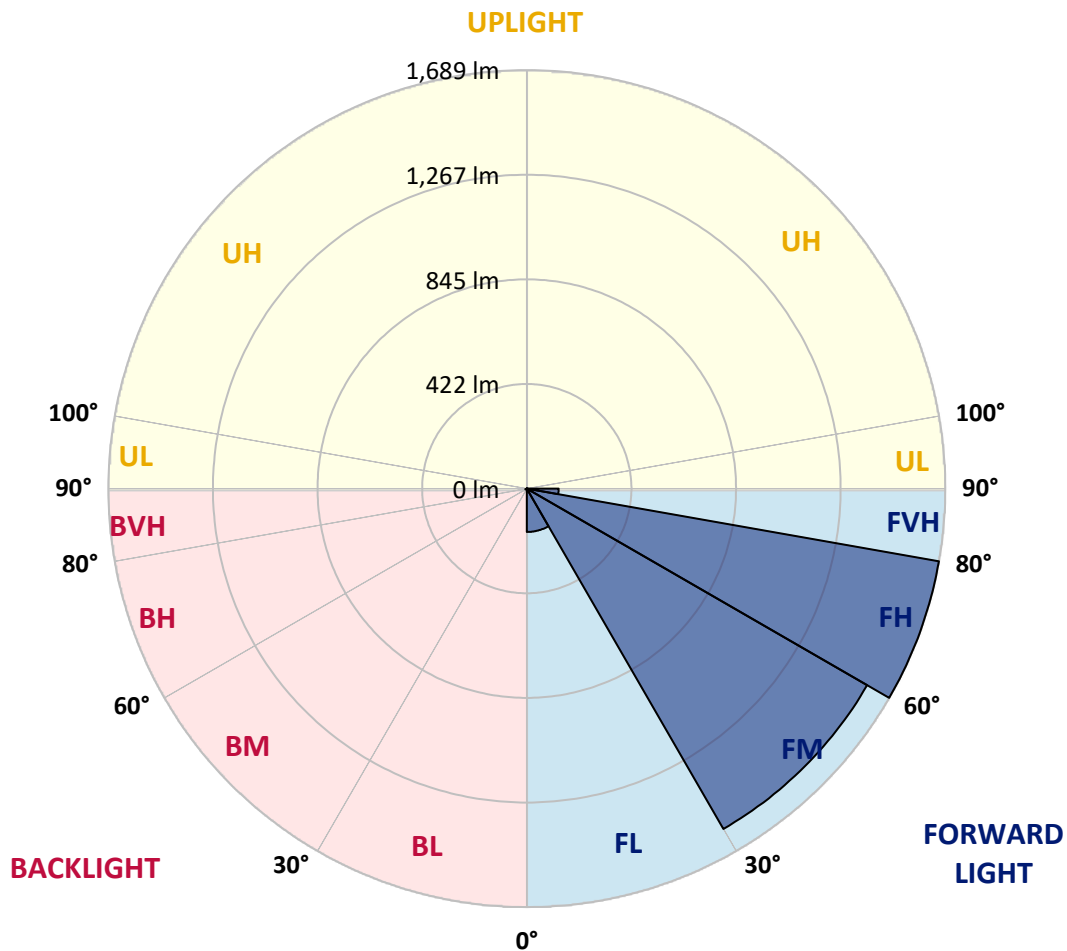
CATALOG NUMBER: GALN-SA1A-730-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	175.0	4.9			
FM	(30°-60°)	1586.3	44.2			
FH	(60°-80°)	1689.4	47.0			G1/1800
FVH	(80°-90°)	128.6	3.6			G2/225
BL	(0°-30°)	3.1	0.1	B0/110		
BM	(30°-60°)	3.0	0.1	B0/220		
BH	(60°-80°)	6.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
2.5°	22.6	22.6	22.6	21.9	21.9	21.6	21.4	21.4	20.9	20.7	20.2
5°	34.3	33.6	31.9	30.9	28.9	27.7	26.5	24.8	23.1	21.9	20.4
7.5°	77.6	79.3	73.7	63.2	52.5	47.9	40.1	32.3	26.7	23.1	20.7
10°	197.7	196.7	177.8	156.8	121.1	106.7	83.6	52.8	34.5	25.3	20.9
12.5°	336.3	335.3	313.0	284.5	237.3	207.4	163.7	98.5	49.6	28.7	20.9
15°	452.8	448.9	441.8	413.6	358.4	333.4	275.5	174.1	80.2	34.5	21.4
17.5°	529.9	526.5	519.9	509.7	474.7	445.0	398.5	273.6	129.9	44.7	22.4
20°	600.6	598.2	592.8	590.9	568.3	552.5	514.1	387.9	202.3	60.8	23.8
22.5°	697.9	692.8	695.0	683.3	661.2	642.2	618.6	507.5	290.8	87.5	26.5
25°	817.0	814.6	808.5	800.3	769.6	753.1	716.9	620.3	389.8	122.6	29.4
27.5°	961.0	958.3	956.9	937.9	902.6	884.6	834.1	726.8	501.2	171.7	33.3
30°	1126.8	1128.0	1118.6	1094.2	1053.2	1027.9	975.8	838.4	615.2	229.3	37.4
32.5°	1298.5	1296.1	1281.5	1252.8	1216.1	1192.5	1126.3	960.7	734.8	305.4	42.3
35°	1483.6	1478.9	1440.5	1407.7	1376.3	1346.7	1286.3	1102.8	854.5	390.8	48.9
37.5°	1670.3	1648.7	1571.6	1530.0	1508.4	1484.0	1427.9	1254.3	973.4	486.1	56.9
40°	1811.3	1794.6	1703.1	1626.5	1609.3	1588.6	1546.8	1385.1	1099.8	588.5	66.6
42.5°	1889.4	1880.2	1798.0	1722.3	1681.7	1663.5	1627.8	1499.4	1224.8	701.5	80.7
45°	1922.7	1908.4	1853.4	1818.2	1753.5	1723.3	1680.8	1585.7	1355.4	829.9	100.4
47.5°	1912.5	1904.2	1864.8	1877.7	1830.8	1783.9	1721.4	1651.8	1467.0	977.3	127.4
50°	1848.3	1841.3	1829.1	1898.9	1893.0	1837.6	1773.9	1704.1	1558.2	1129.3	169.2
52.5°	1726.2	1723.3	1754.4	1882.3	1928.3	1885.0	1824.5	1750.3	1643.3	1288.1	229.1
55°	1568.9	1580.8	1669.8	1856.6	1946.3	1920.0	1869.2	1793.6	1711.6	1430.1	317.3
57.5°	1504.2	1507.4	1618.5	1838.3	1954.3	1950.9	1912.7	1834.9	1774.4	1543.6	452.0
60°	1579.9	1575.0	1633.6	1852.2	1970.4	1978.6	1951.4	1873.4	1828.9	1641.1	631.5
62.5°	1716.5	1713.8	1732.6	1911.3	2017.3	2034.1	2005.1	1901.1	1877.0	1705.3	836.2
65°	1838.6	1833.0	1867.8	2016.1	2099.7	2111.7	2086.4	1948.5	1898.2	1752.0	1028.6
67.5°	1891.3	1890.1	1946.1	2115.8	2186.3	2199.2	2177.1	2013.9	1893.3	1766.8	1113.5
70°	1867.3	1862.7	1952.1	2158.1	2235.2	2249.8	2228.4	2038.2	1840.5	1719.9	987.7
71°	1840.8	1828.4	1933.9	2155.2	2242.0	2254.4	2216.9	2016.1	1787.5	1653.3	873.7
72.5°	1758.6	1760.8	1883.8	2124.8	2225.7	2222.1	2152.3	1936.8	1723.6	1502.0	701.8
75°	1556.3	1569.2	1721.6	1997.1	2080.3	2033.8	1927.1	1785.3	1595.2	1077.0	487.3
77.5°	1271.8	1291.0	1458.5	1751.5	1727.9	1723.3	1718.9	1573.0	1362.2	578.5	339.0
80°	607.2	648.8	879.8	1250.4	1358.3	1410.6	1377.8	1267.6	1053.4	275.5	202.6
82.5°	39.6	39.1	55.4	105.0	442.8	572.4	909.4	906.0	734.4	134.2	82.7
85°	18.7	19.2	21.2	24.1	28.0	30.6	42.3	248.0	351.4	64.0	18.0
87.5°	10.9	11.2	13.1	16.8	21.9	24.3	28.9	37.2	45.7	35.3	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA1A-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
2.5°	19.9	19.7	19.0	18.2	17.5	17.0	16.8	17.0	17.0	17.3	17.3
5°	19.9	19.2	18.0	16.5	15.6	14.6	14.1	13.9	14.1	14.1	14.1
7.5°	19.7	18.5	16.8	15.1	13.9	12.6	12.2	11.9	11.9	12.2	12.2
10°	19.2	18.0	15.8	13.9	12.4	10.9	10.2	9.5	9.5	9.5	9.7
12.5°	19.0	17.3	14.6	12.6	10.7	9.0	7.5	6.8	7.1	7.1	7.1
15°	18.5	16.5	13.9	11.4	9.0	6.8	5.6	4.9	5.1	5.3	5.1
17.5°	18.5	16.3	12.9	10.0	7.1	5.1	4.1	3.6	3.6	3.9	3.9
20°	18.5	15.8	12.2	8.5	5.3	3.9	2.9	2.7	2.7	3.2	3.4
22.5°	19.0	15.8	11.2	7.1	4.4	2.9	2.2	1.9	2.2	2.7	2.9
25°	19.7	15.6	10.2	6.3	3.6	2.2	1.7	1.2	1.5	1.9	2.2
27.5°	20.4	15.3	9.2	5.6	2.9	1.7	1.2	1.0	0.7	1.0	1.0
30°	21.2	15.3	8.3	4.6	2.4	1.2	0.7	0.5	0.2	0.0	0.0
32.5°	21.6	14.8	7.5	3.6	1.9	1.0	0.5	0.2	0.0	0.0	0.0
35°	22.1	14.3	6.6	2.9	1.5	0.7	0.2	0.0	0.0	0.0	0.0
37.5°	22.6	13.6	5.6	2.4	1.2	0.5	0.0	0.0	0.0	0.0	0.0
40°	23.1	12.6	4.6	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	23.6	11.9	3.9	1.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	24.8	11.4	3.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	27.0	10.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	30.2	10.5	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	34.5	10.2	2.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	42.3	10.0	2.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	55.7	9.7	2.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	85.4	9.2	2.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	152.5	9.0	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	265.8	9.2	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	381.0	9.7	1.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	326.1	8.5	1.7	1.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0
71°	265.8	7.5	1.7	1.0	0.5	0.2	0.2	0.0	0.0	0.0	0.0
72.5°	170.9	5.8	1.5	1.0	0.5	0.5	0.2	0.0	0.0	0.0	0.0
75°	72.2	4.9	1.5	1.0	0.7	0.5	0.5	0.2	0.0	0.0	0.0
77.5°	30.9	3.6	1.5	1.2	1.0	0.7	0.7	0.5	0.2	0.0	0.0
80°	11.7	2.9	1.7	1.5	1.2	1.2	1.0	0.5	0.2	0.0	0.0
82.5°	5.3	2.4	1.7	1.5	1.5	1.2	1.0	0.7	0.5	0.0	0.0
85°	3.4	2.2	1.7	1.5	1.5	1.2	1.2	0.7	0.5	0.0	0.0
87.5°	2.7	2.2	1.7	1.7	1.5	1.5	1.0	0.7	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

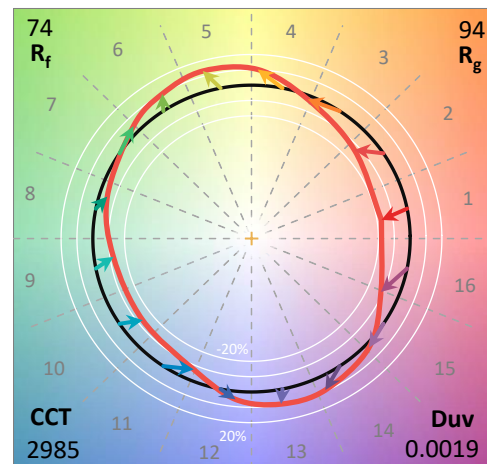
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2985
 CIE u' : 0.2504
 CIE v' : 0.5243
 Duv: 0.0019
 CIE x: 0.4408
 CIE y: 0.4101
 CIE z: 0.1491
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 55.41818
 R_f: 73.8
 R_g: 94.4

CRI (Ra): 70.8
 R1: 66.3
 R2: 80.6
 R3: 94.5
 R4: 68.2
 R5: 66.5
 R6: 74.7
 R7: 76.2
 R8: 39.6
 R9: -43.2
 R10: 57.6
 R11: 64.8
 R12: 53.5
 R13: 68.7
 R14: 97.0
 R15: 56.4



Test Conditions

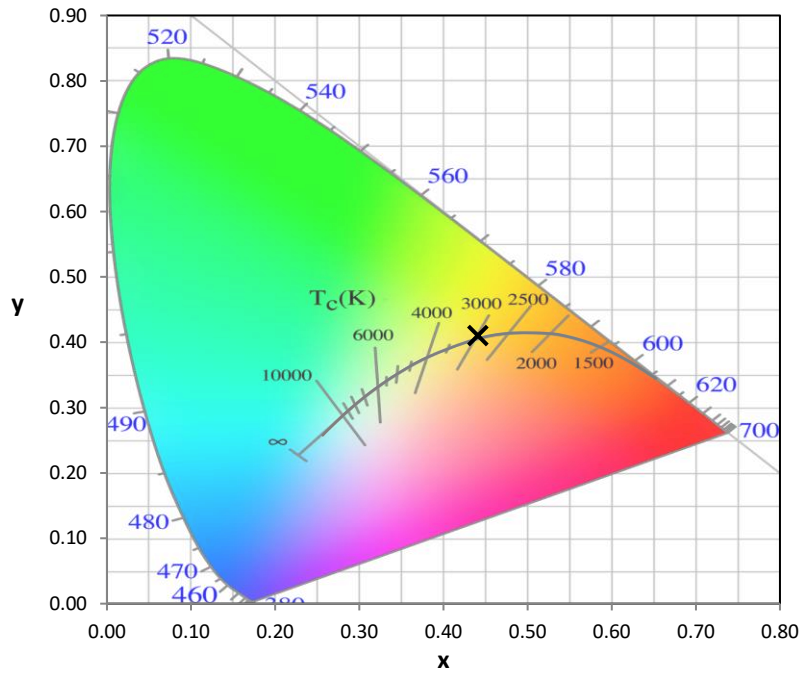
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

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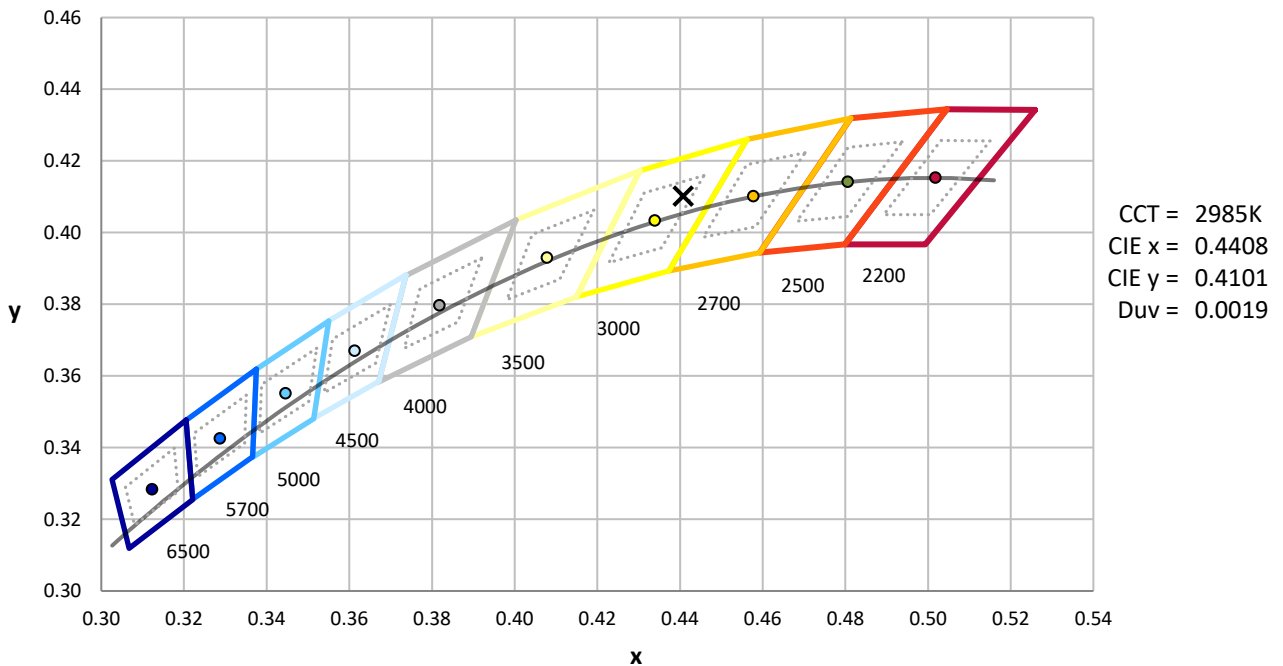
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



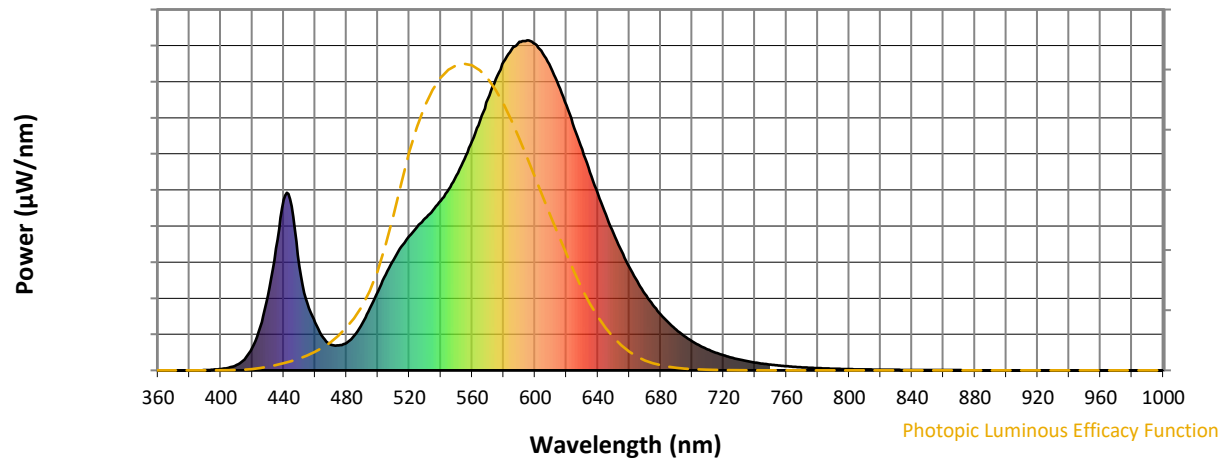
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

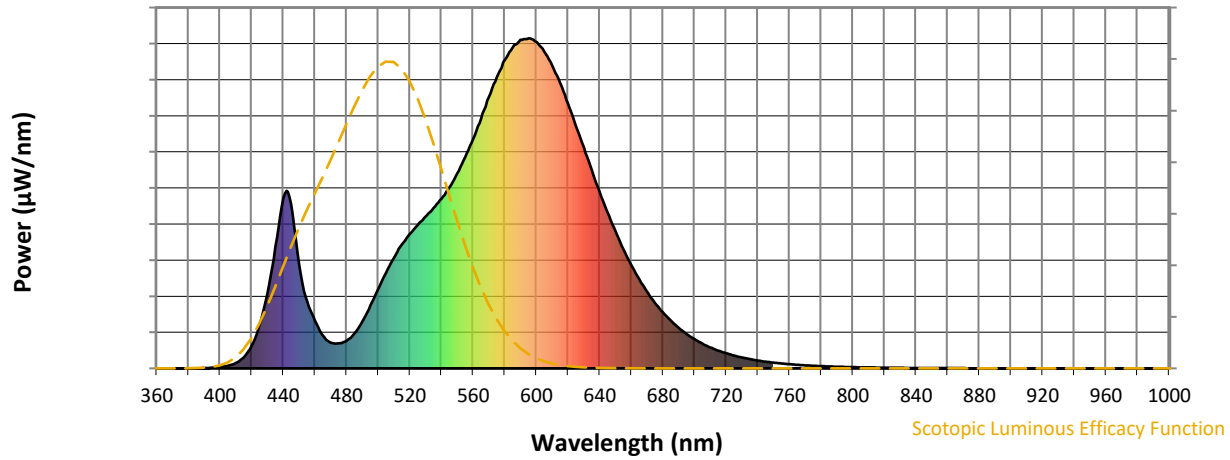


Photopic Lumens: NR

λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

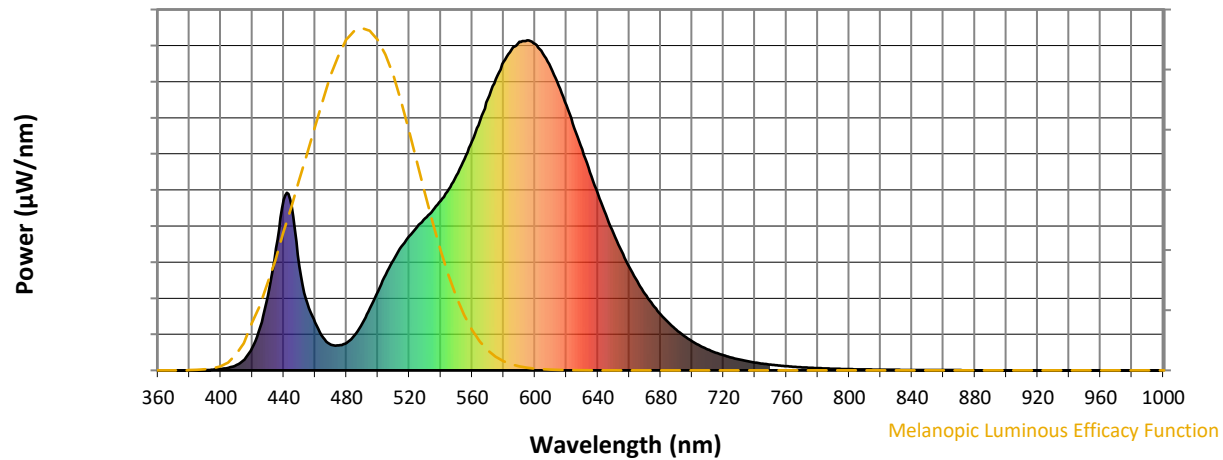


Scotopic Lumens: NR

S/P: 1.19

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength

Melanopic Lumens: NR
M/P: 2.13

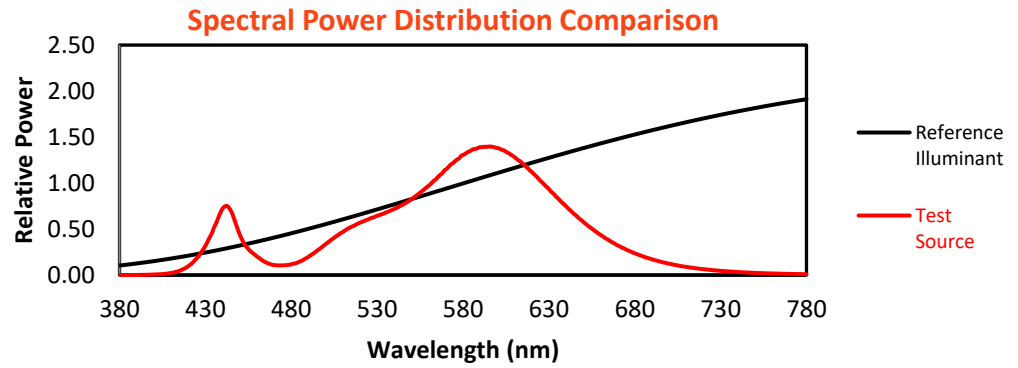
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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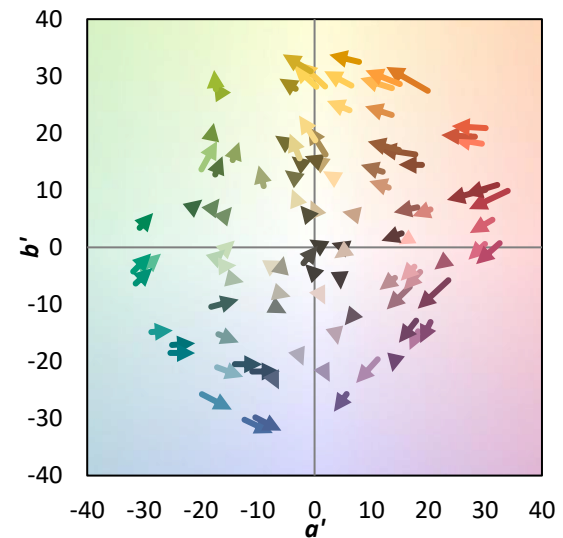
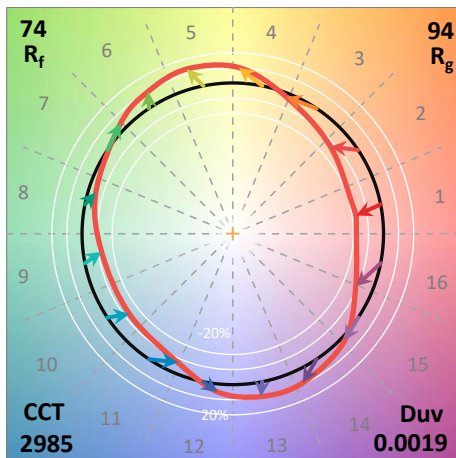
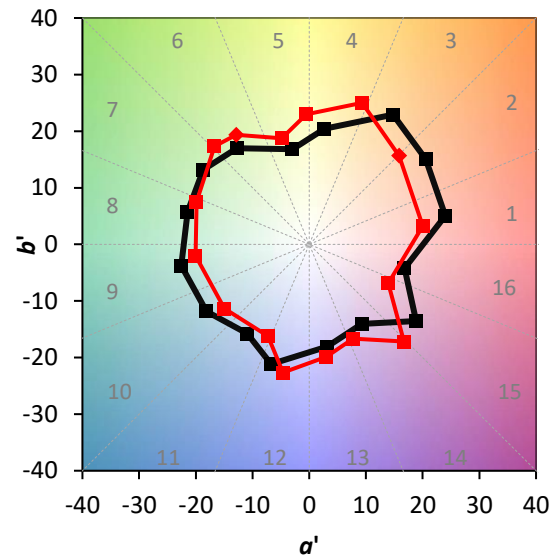
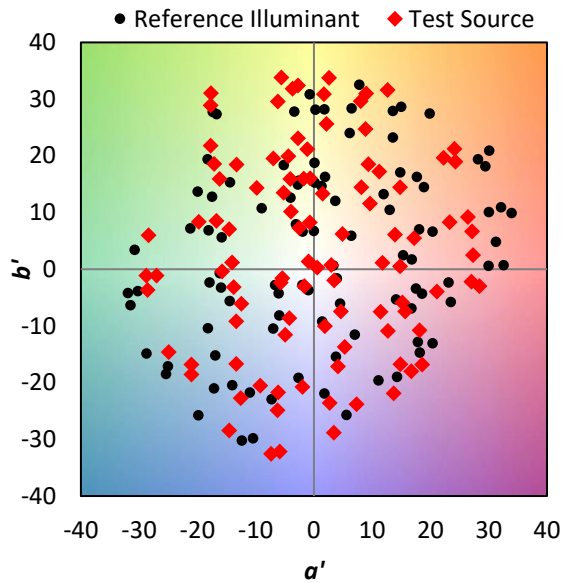
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$

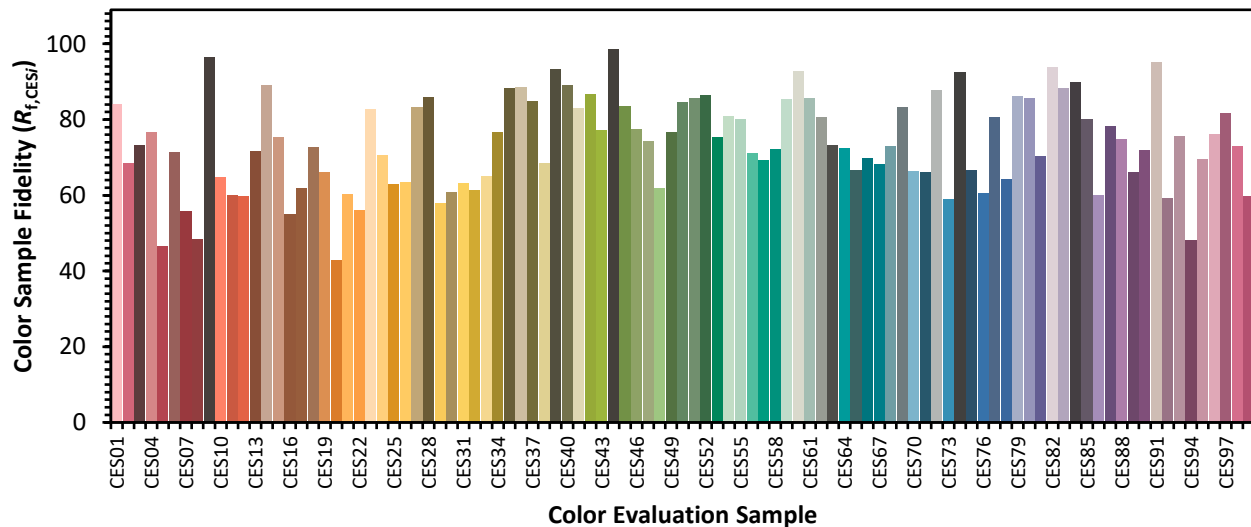


Color Vector Graphics

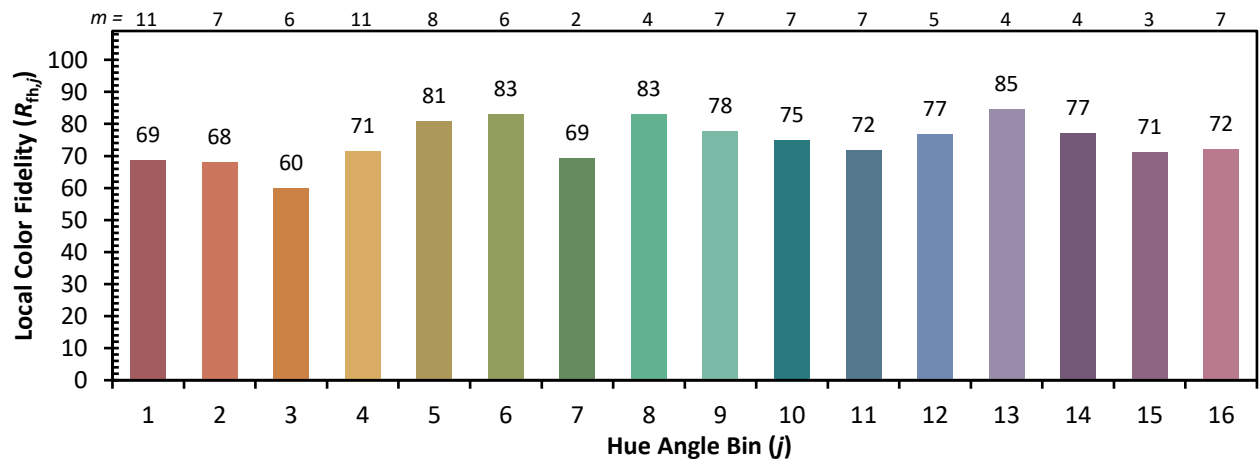
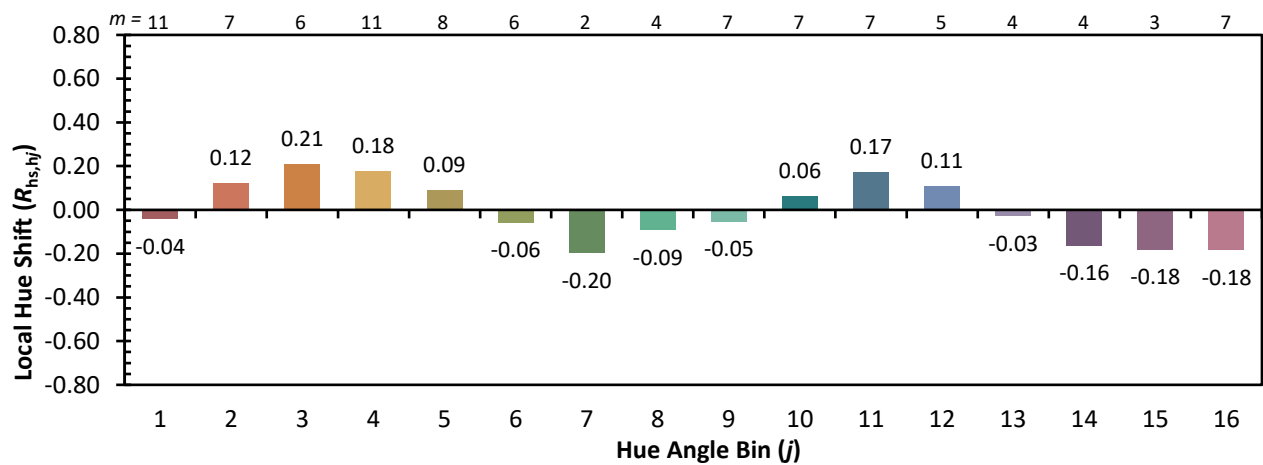
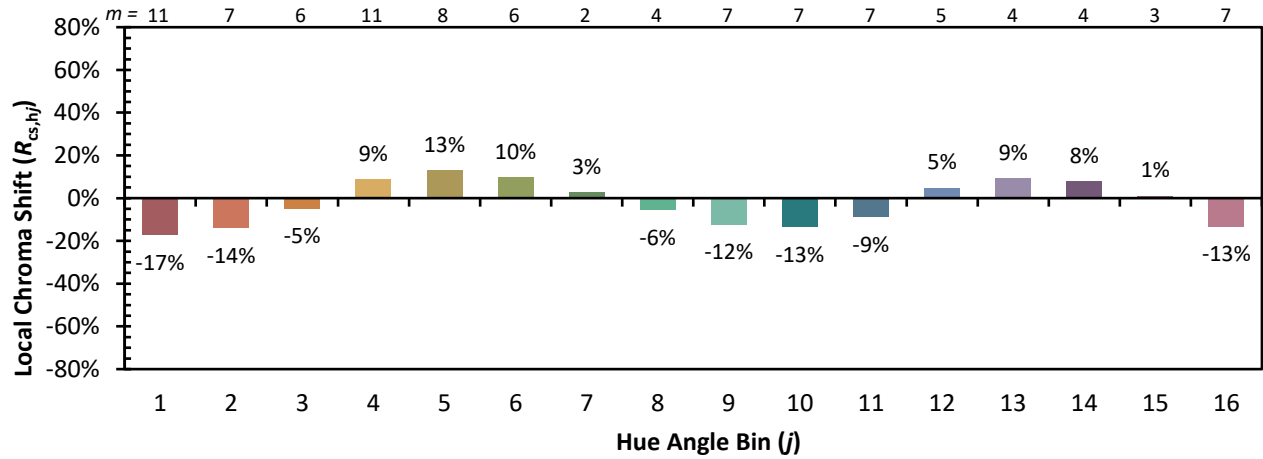


Individual Sample Fidelity Index ($R_{f,i}$)

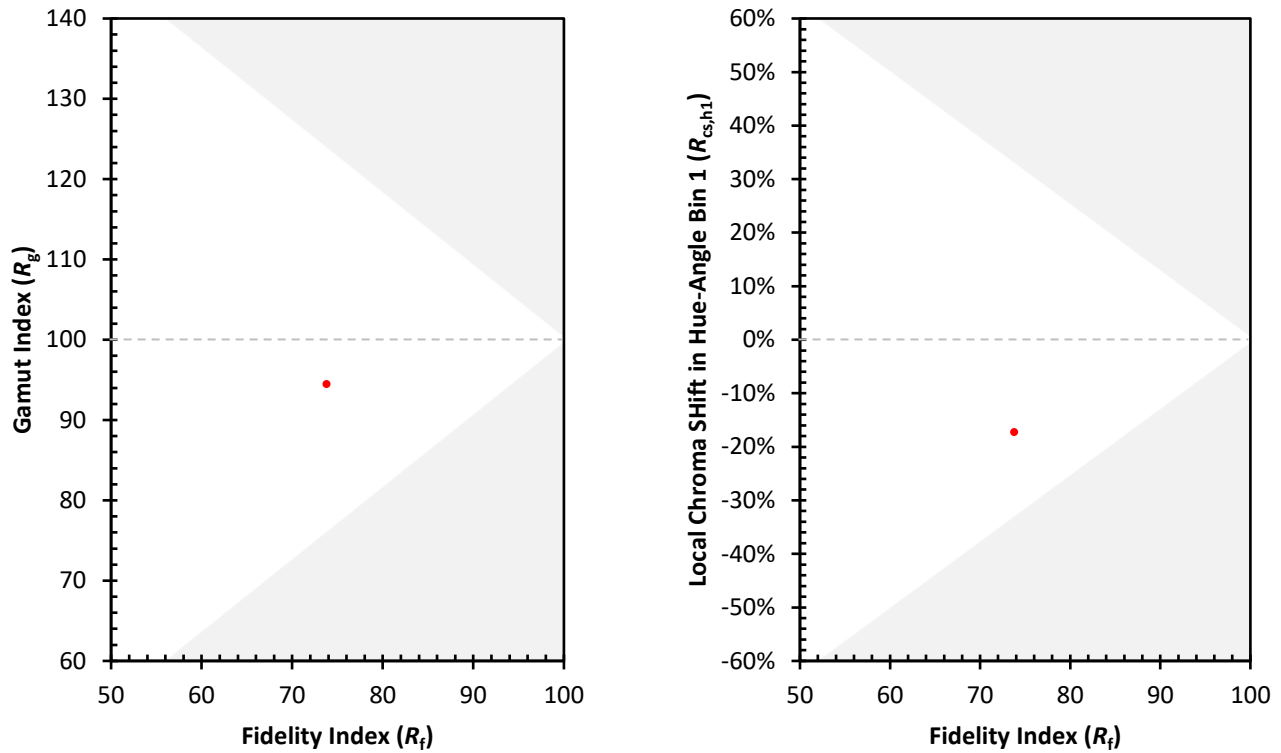
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)