

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: P1048526

Luminaire Tested: **GALN-SA1B-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048526
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-830-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4154.5 lumens
Efficiency: N/A
Efficacy: 107.4 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): 38.7
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

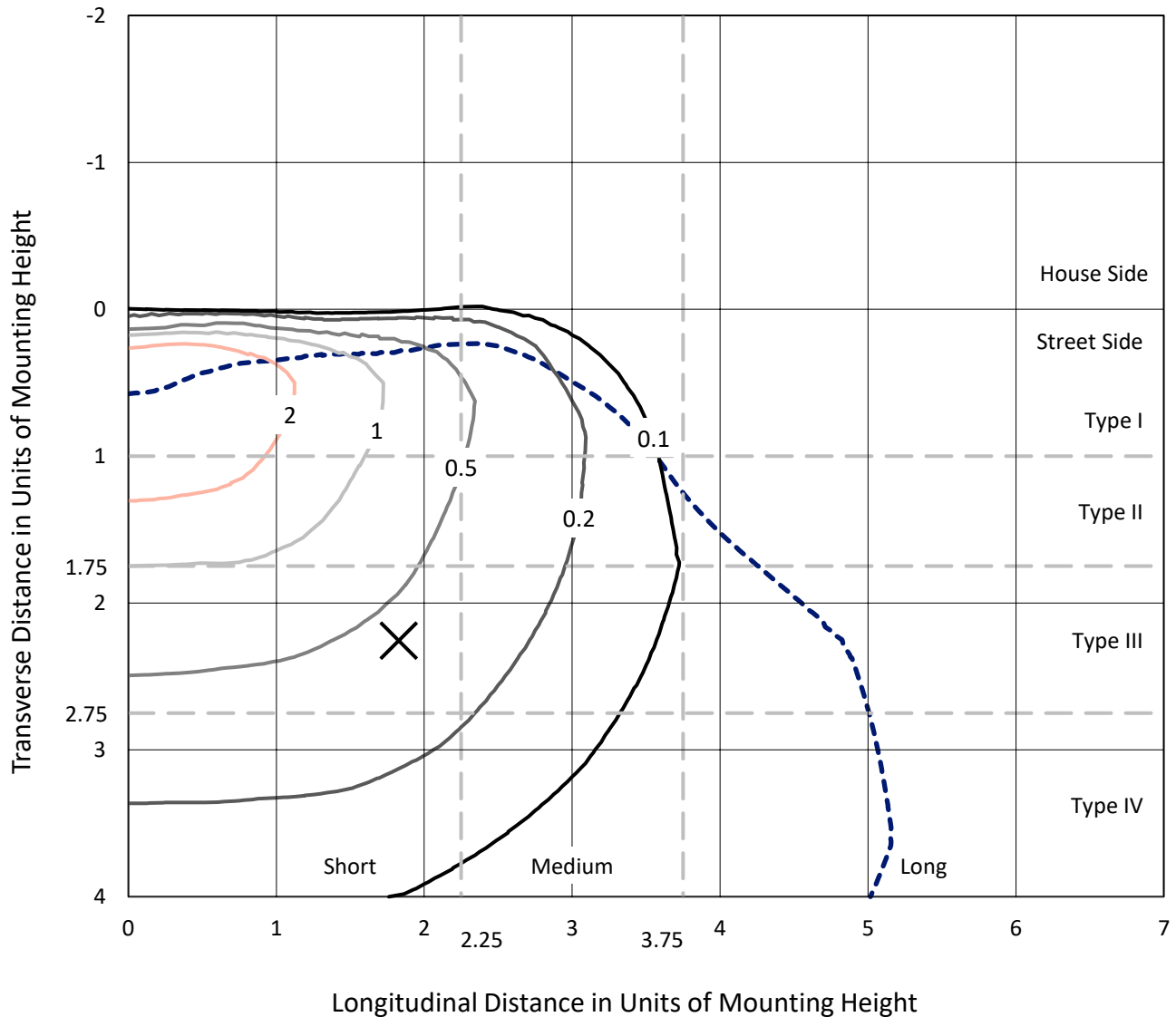


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

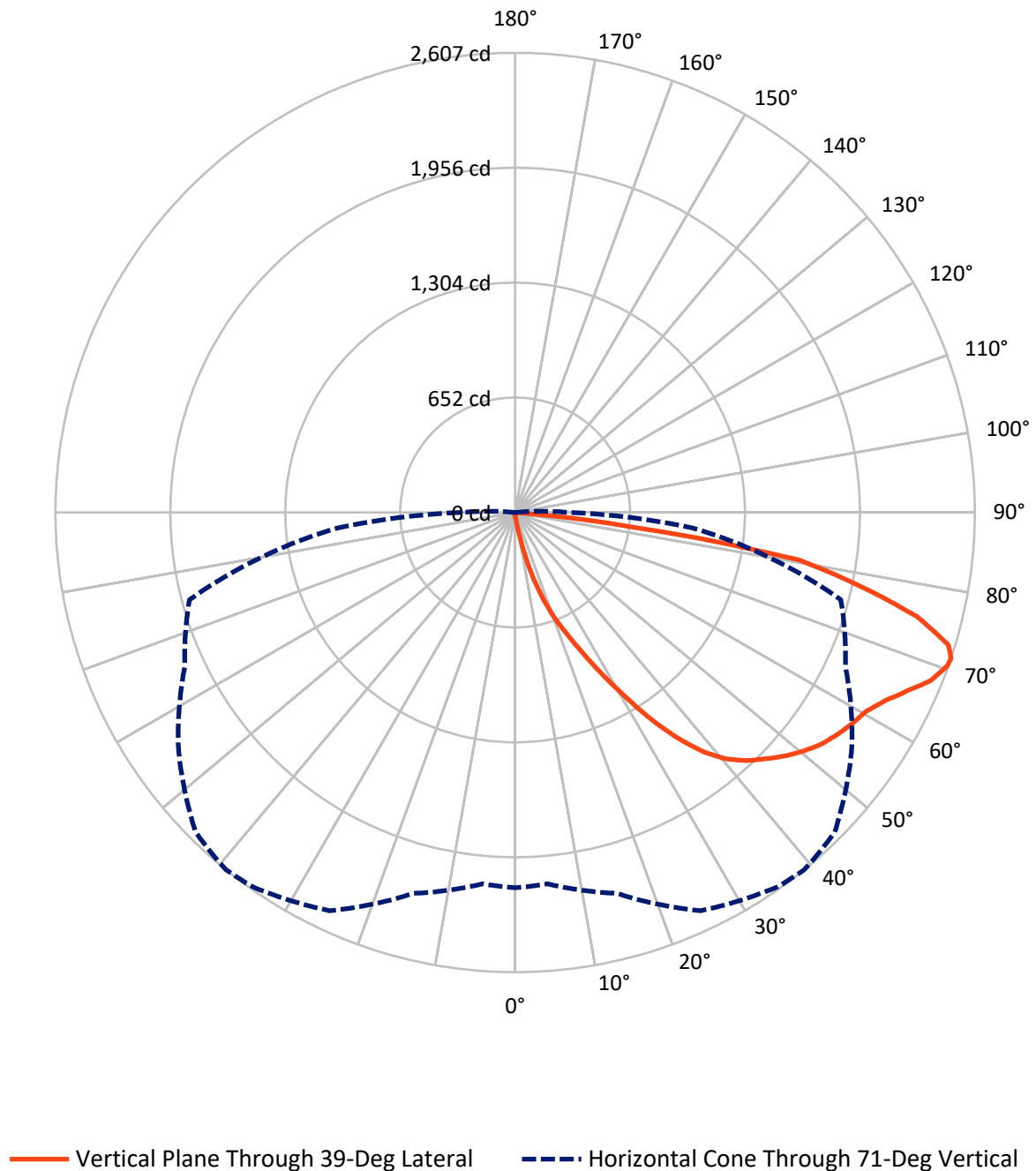


Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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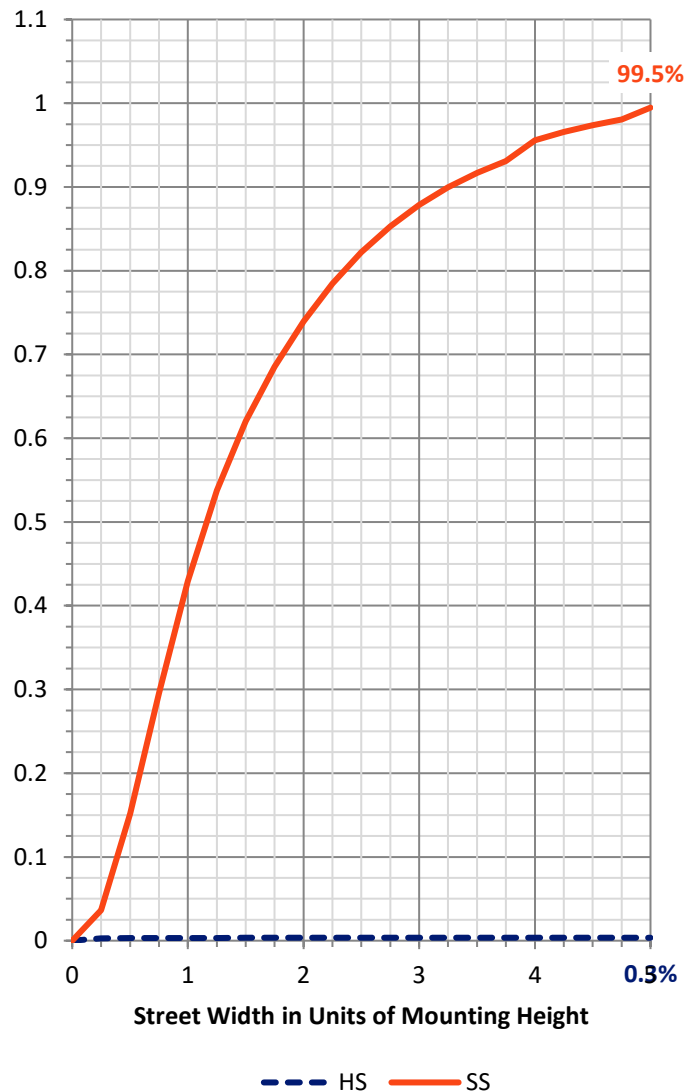
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14.8	0.0	14.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4139.8	0.0	4139.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	4154.5	0.0	4154.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	44.4	1.1
20°-30°	158.1	3.8
30°-40°	381.1	9.2
40°-50°	637.8	15.4
50°-60°	819.2	19.7
60°-70°	1036.7	25.0
70°-80°	924.3	22.2
80°-90°	149.4	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°	4154.5	100.0
0°-180°	4154.5	100.0



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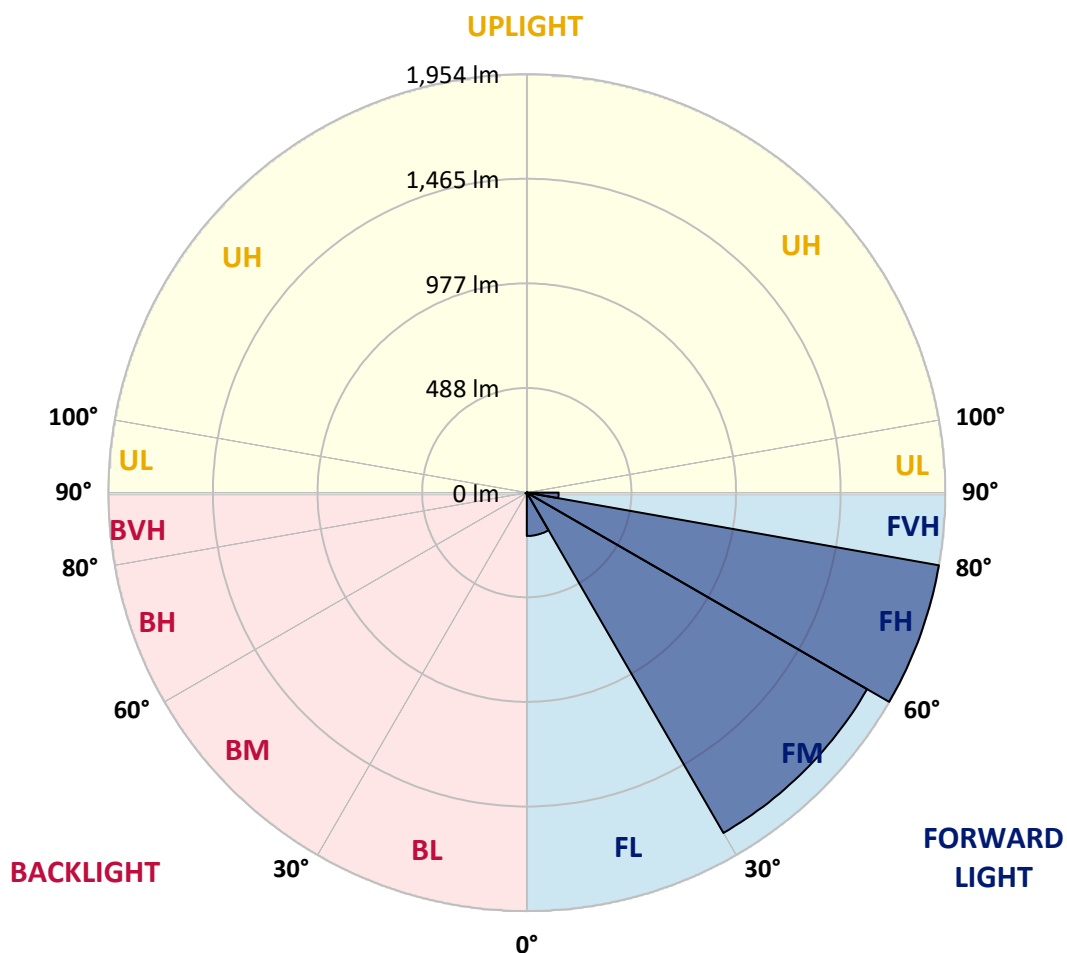
CATALOG NUMBER: GALN-SA1B-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.4	4.9			
FM	(30°-60°)	1834.7	44.2			
FH	(60°-80°)	1953.9	47.0			G2/5000
FVH	(80°-90°)	148.7	3.6			G2/225
BL	(0°-30°)	3.6	0.1	B0/110		
BM	(30°-60°)	3.4	0.1	B0/220		
BH	(60°-80°)	7.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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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CATALOG NUMBER: GALN-SA1B-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
2.5°	26.2	26.2	26.2	25.3	25.3	25.0	24.7	24.7	24.2	23.9	23.3
5°	39.7	38.8	36.8	35.7	33.5	32.1	30.7	28.7	26.7	25.3	23.6
7.5°	89.7	91.7	85.2	73.1	60.7	55.4	46.4	37.4	30.9	26.7	23.9
10°	228.6	227.5	205.6	181.4	140.1	123.5	96.7	61.0	39.9	29.2	24.2
12.5°	389.0	387.8	362.0	329.1	274.5	239.9	189.3	113.9	57.4	33.2	24.2
15°	523.7	519.2	511.0	478.4	414.5	385.6	318.6	201.4	92.8	39.9	24.7
17.5°	612.8	608.9	601.3	589.5	549.0	514.7	461.0	316.4	150.2	51.7	25.9
20°	694.7	691.9	685.7	683.4	657.3	639.0	594.5	448.6	234.0	70.3	27.6
22.5°	807.2	801.3	803.8	790.3	764.7	742.8	715.5	586.9	336.4	101.2	30.7
25°	945.0	942.2	935.1	925.6	890.1	871.0	829.1	717.4	450.8	141.7	34.0
27.5°	1111.5	1108.4	1106.7	1084.7	1044.0	1023.2	964.7	840.6	579.6	198.6	38.5
30°	1303.3	1304.7	1293.7	1265.6	1218.1	1188.8	1128.6	969.7	711.5	265.2	43.3
32.5°	1501.8	1499.0	1482.1	1449.0	1406.5	1379.2	1302.7	1111.2	849.9	353.2	48.9
35°	1715.8	1710.5	1666.1	1628.1	1591.8	1557.5	1487.8	1275.4	988.3	452.0	56.5
37.5°	1931.8	1906.8	1817.7	1769.6	1744.5	1716.4	1651.4	1450.6	1125.8	562.2	65.8
40°	2095.0	2075.6	1969.8	1881.2	1861.3	1837.3	1789.0	1601.9	1272.1	680.6	77.1
42.5°	2185.2	2174.6	2079.5	1992.0	1945.1	1924.0	1882.6	1734.1	1416.6	811.4	93.4
45°	2223.8	2207.2	2143.6	2102.8	2028.0	1993.2	1943.9	1834.0	1567.6	959.9	116.2
47.5°	2212.0	2202.4	2156.8	2171.7	2117.5	2063.2	1990.9	1910.5	1696.7	1130.3	147.4
50°	2137.7	2129.6	2115.5	2196.2	2189.5	2125.3	2051.7	1970.9	1802.2	1306.1	195.7
52.5°	1996.5	1993.2	2029.2	2177.1	2230.2	2180.2	2110.1	2024.4	1900.6	1489.7	264.9
55°	1814.6	1828.3	1931.3	2147.3	2251.1	2220.7	2161.9	2074.4	1979.7	1654.0	367.0
57.5°	1739.8	1743.4	1871.9	2126.2	2260.3	2256.4	2212.2	2122.2	2052.2	1785.3	522.8
60°	1827.2	1821.6	1889.4	2142.2	2278.9	2288.5	2257.0	2166.7	2115.2	1898.1	730.4
62.5°	1985.3	1982.2	2003.8	2210.6	2333.2	2352.6	2319.1	2198.7	2170.9	1972.3	967.2
65°	2126.5	2120.0	2160.2	2331.8	2428.5	2442.3	2413.0	2253.6	2195.4	2026.3	1189.6
67.5°	2187.5	2186.1	2250.8	2447.1	2528.6	2543.5	2517.9	2329.2	2189.7	2043.5	1287.8
70°	2159.6	2154.3	2257.8	2496.0	2585.2	2602.0	2577.3	2357.4	2128.7	1989.2	1142.4
71°	2129.0	2114.6	2236.7	2492.6	2593.0	2607.4	2564.1	2331.8	2067.4	1912.2	1010.5
72.5°	2033.9	2036.5	2178.8	2457.5	2574.2	2570.0	2489.3	2240.1	1993.4	1737.2	811.7
75°	1799.9	1814.8	1991.2	2309.8	2406.0	2352.3	2228.8	2064.9	1844.9	1245.6	563.6
77.5°	1470.9	1493.1	1686.9	2025.8	1998.5	1993.2	1988.1	1819.3	1575.5	669.1	392.0
80°	702.3	750.4	1017.5	1446.1	1571.0	1631.5	1593.5	1466.1	1218.3	318.6	234.3
82.5°	45.8	45.3	64.1	121.5	512.1	662.0	1051.8	1047.9	849.3	155.2	95.6
85°	21.7	22.2	24.5	27.8	32.3	35.4	48.9	286.9	406.4	74.0	20.8
87.5°	12.7	12.9	15.2	19.4	25.3	28.1	33.5	43.0	52.9	40.8	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1048526

CATALOG NUMBER: GALN-SA1B-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
2.5°	23.1	22.8	21.9	21.1	20.2	19.7	19.4	19.7	19.7	20.0	20.0
5°	23.1	22.2	20.8	19.1	18.0	16.9	16.3	16.0	16.3	16.3	16.3
7.5°	22.8	21.4	19.4	17.4	16.0	14.6	14.1	13.8	13.8	14.1	14.1
10°	22.2	20.8	18.3	16.0	14.3	12.7	11.8	11.0	11.0	11.0	11.2
12.5°	21.9	20.0	16.9	14.6	12.4	10.4	8.7	7.9	8.2	8.2	8.2
15°	21.4	19.1	16.0	13.2	10.4	7.9	6.5	5.6	5.9	6.2	5.9
17.5°	21.4	18.8	14.9	11.5	8.2	5.9	4.8	4.2	4.2	4.5	4.5
20°	21.4	18.3	14.1	9.8	6.2	4.5	3.4	3.1	3.1	3.7	3.9
22.5°	21.9	18.3	12.9	8.2	5.1	3.4	2.5	2.2	2.5	3.1	3.4
25°	22.8	18.0	11.8	7.3	4.2	2.5	2.0	1.4	1.7	2.2	2.5
27.5°	23.6	17.7	10.7	6.5	3.4	2.0	1.4	1.1	0.8	1.1	1.1
30°	24.5	17.7	9.6	5.3	2.8	1.4	0.8	0.6	0.3	0.0	0.0
32.5°	25.0	17.2	8.7	4.2	2.2	1.1	0.6	0.3	0.0	0.0	0.0
35°	25.6	16.6	7.6	3.4	1.7	0.8	0.3	0.0	0.0	0.0	0.0
37.5°	26.2	15.7	6.5	2.8	1.4	0.6	0.0	0.0	0.0	0.0	0.0
40°	26.7	14.6	5.3	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	27.3	13.8	4.5	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	28.7	13.2	3.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	31.2	12.7	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	34.9	12.1	3.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	39.9	11.8	2.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	48.9	11.5	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	64.4	11.2	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	98.7	10.7	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	176.3	10.4	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	307.4	10.7	2.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	440.7	11.2	2.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	377.1	9.8	2.0	1.1	0.6	0.3	0.0	0.0	0.0	0.0	0.0
71°	307.4	8.7	2.0	1.1	0.6	0.3	0.3	0.0	0.0	0.0	0.0
72.5°	197.7	6.7	1.7	1.1	0.6	0.6	0.3	0.0	0.0	0.0	0.0
75°	83.5	5.6	1.7	1.1	0.8	0.6	0.6	0.3	0.0	0.0	0.0
77.5°	35.7	4.2	1.7	1.4	1.1	0.8	0.8	0.6	0.3	0.0	0.0
80°	13.5	3.4	2.0	1.7	1.4	1.4	1.1	0.6	0.3	0.0	0.0
82.5°	6.2	2.8	2.0	1.7	1.7	1.4	1.1	0.8	0.6	0.0	0.0
85°	3.9	2.5	2.0	1.7	1.7	1.4	1.4	0.8	0.6	0.0	0.0
87.5°	3.1	2.5	2.0	2.0	1.7	1.7	1.1	0.8	0.3	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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

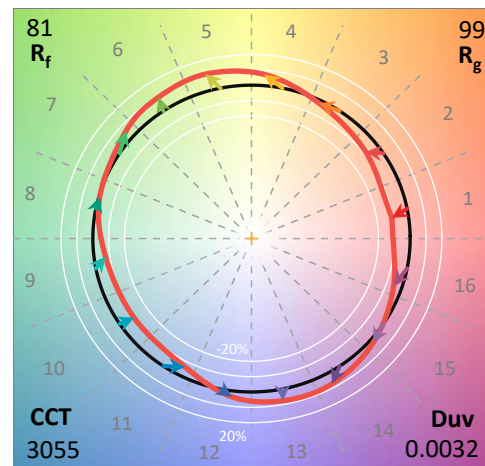
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

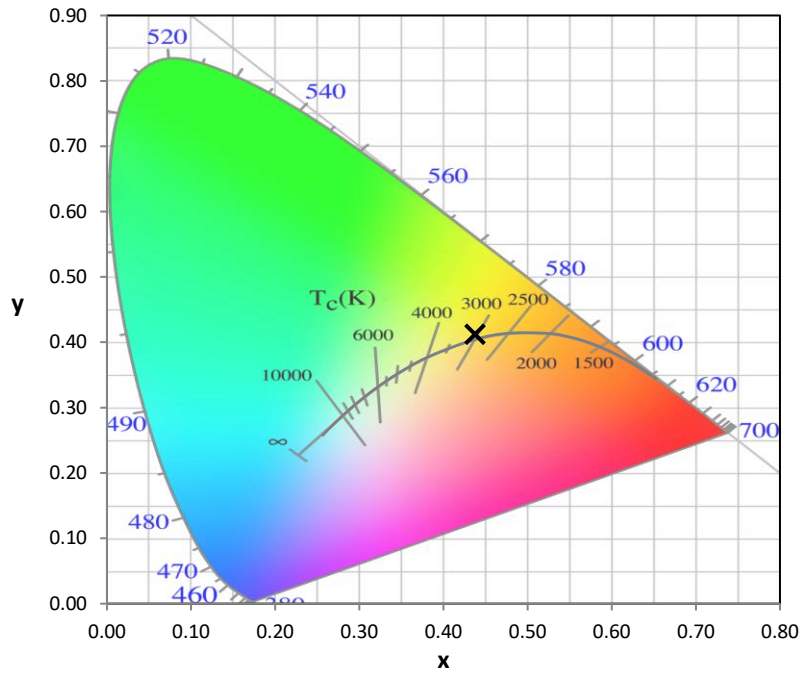
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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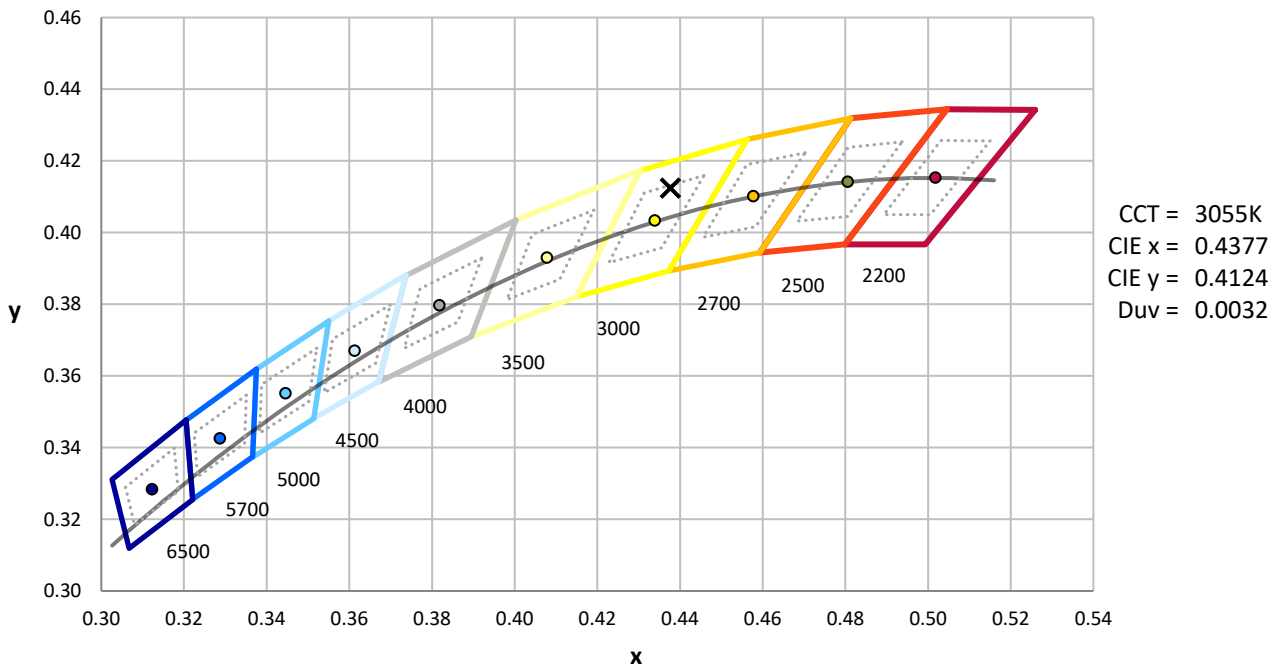
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



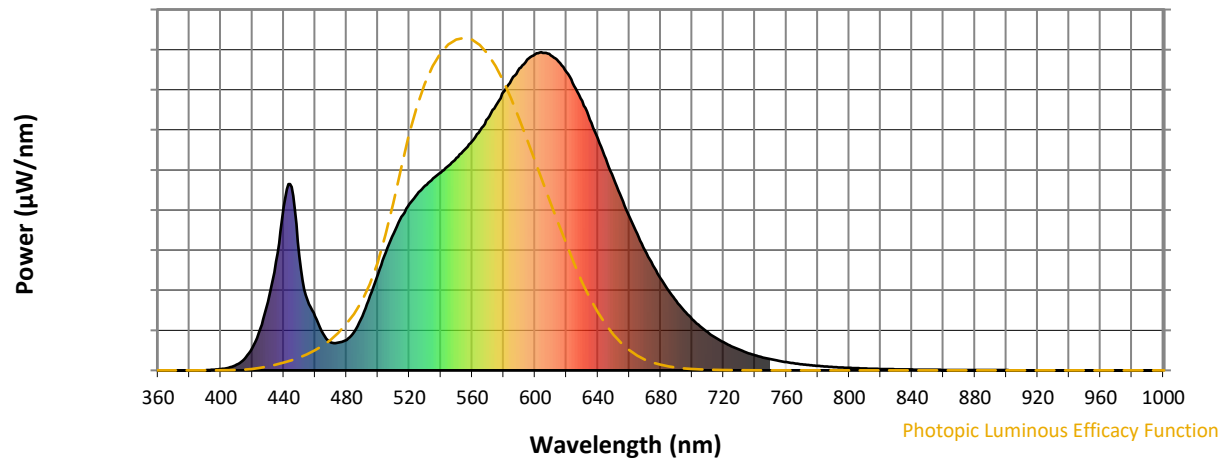
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

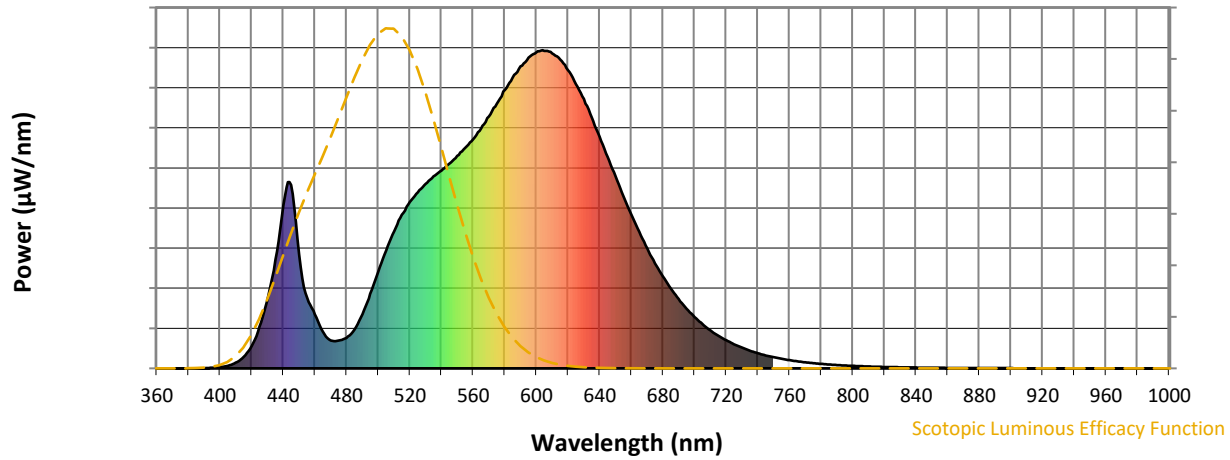


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



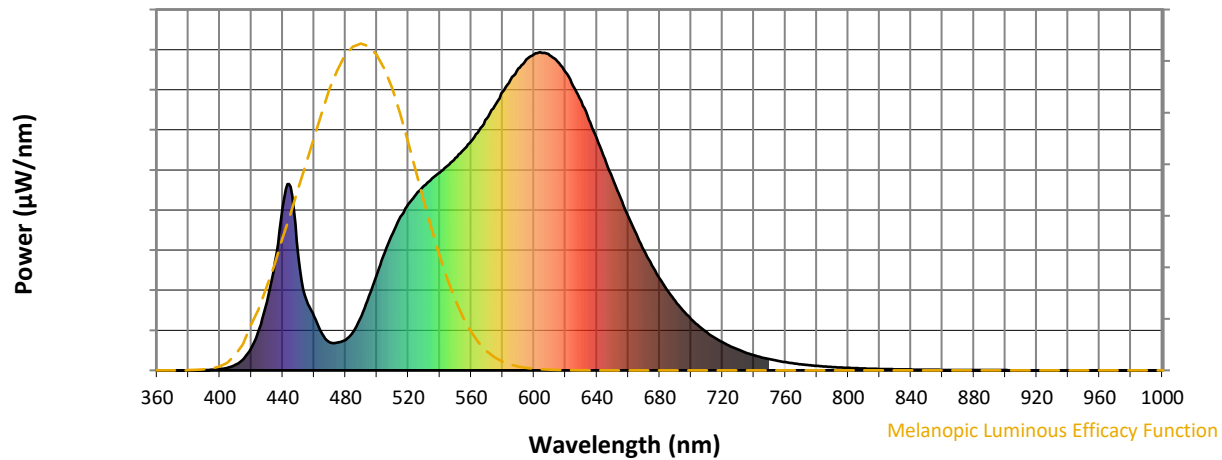
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

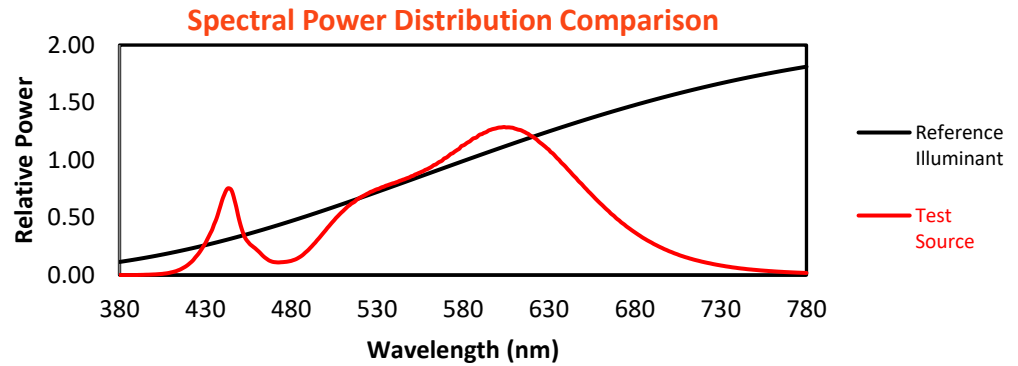
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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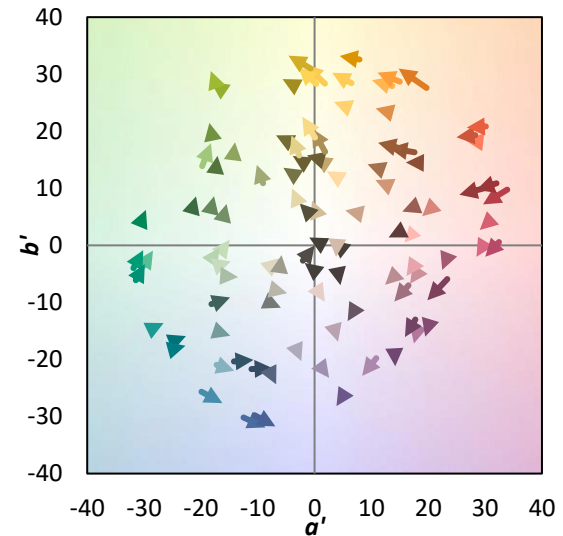
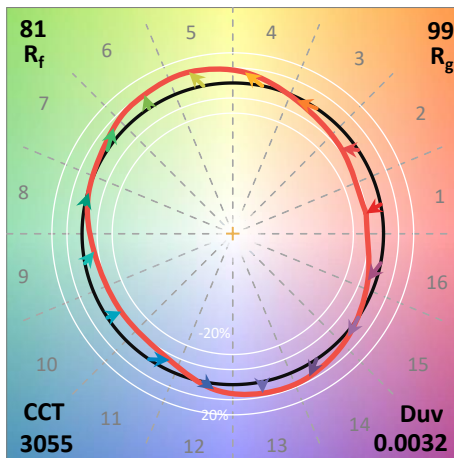
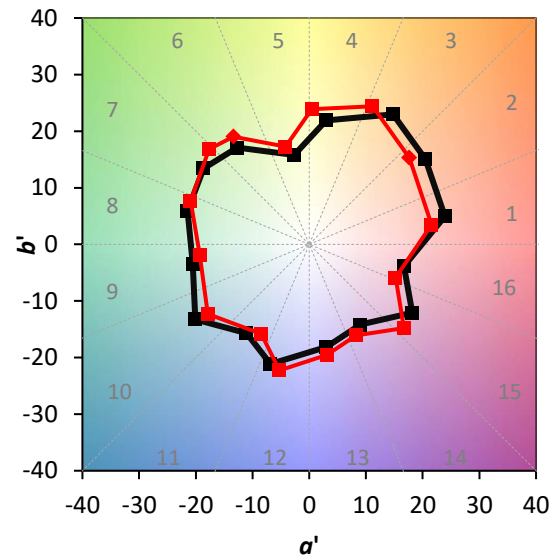
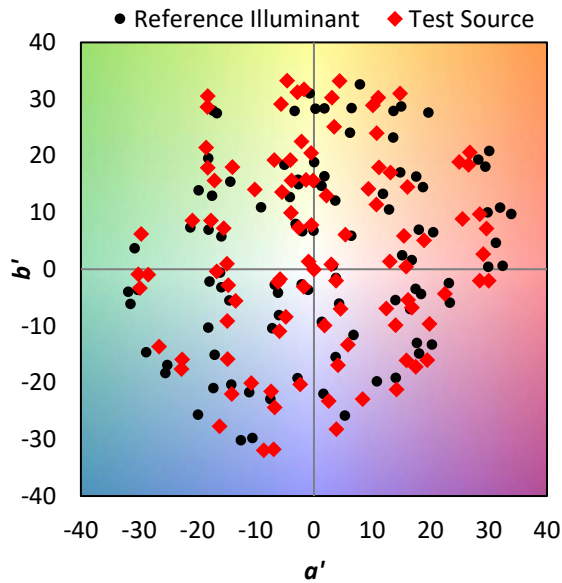
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

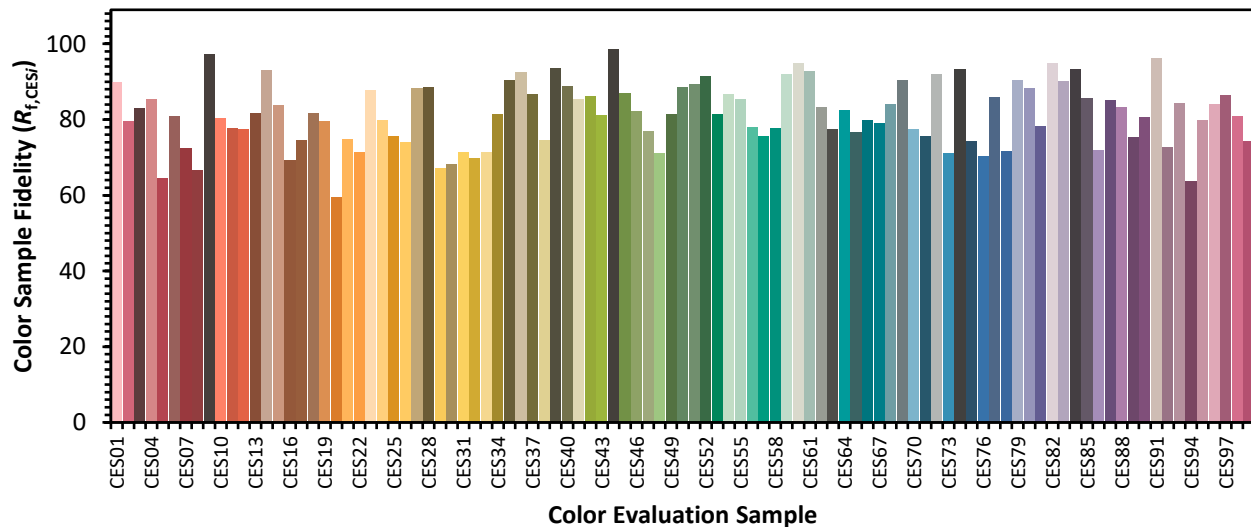


Color Vector Graphics

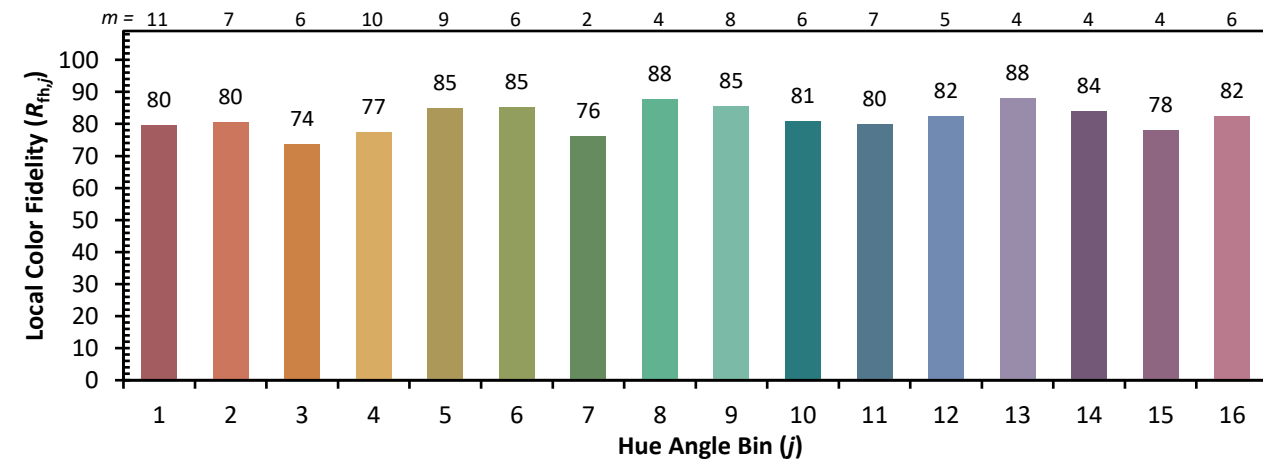
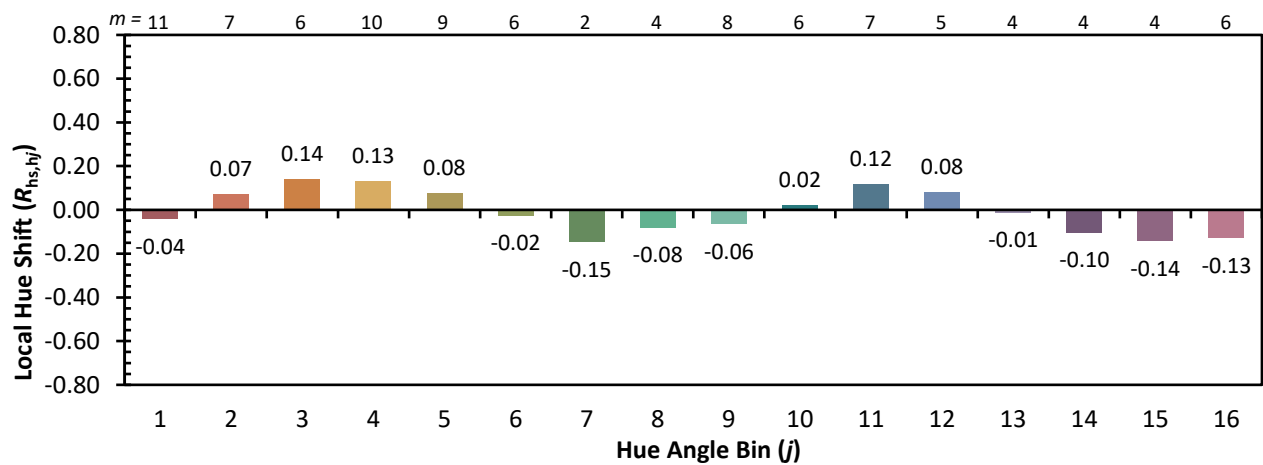
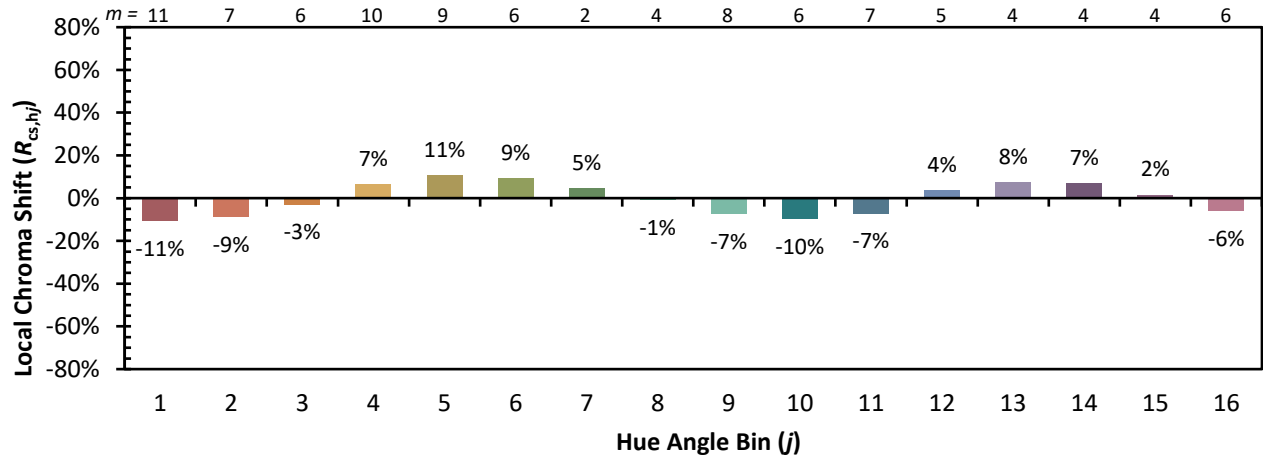


Individual Sample Fidelity Index ($R_{f,i}$)

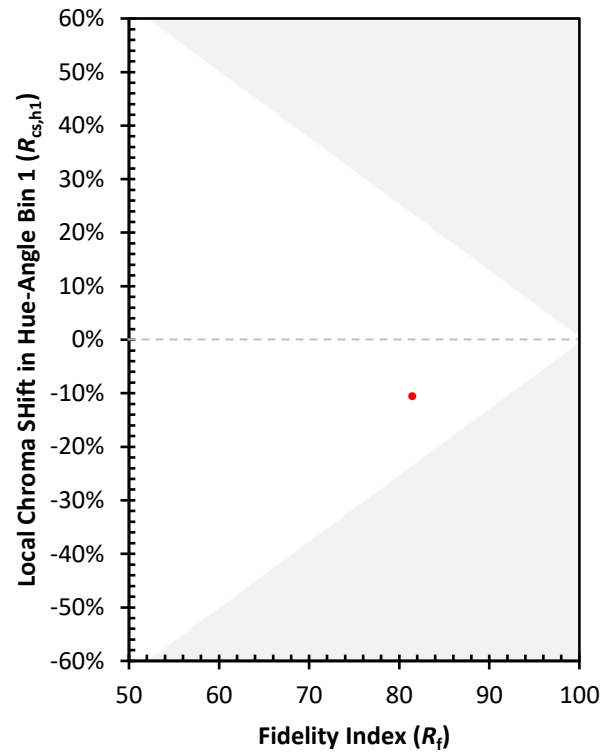
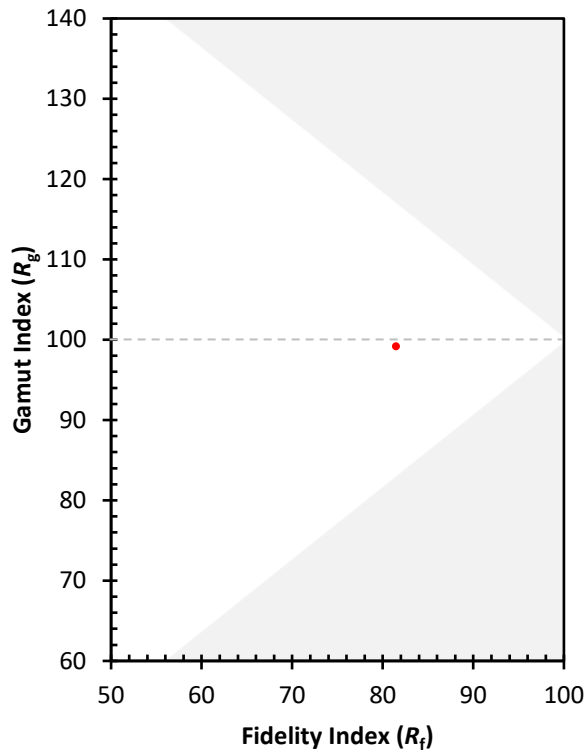
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)