

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: P991218

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

Issue Date: 07/03/2025



Test Information

Test Method: LM-79-08
Report Number: P991218
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA1B-830-U-T4BC
Description: GALLEON PEDESTRAIAN COMPANION 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: 3560.5 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

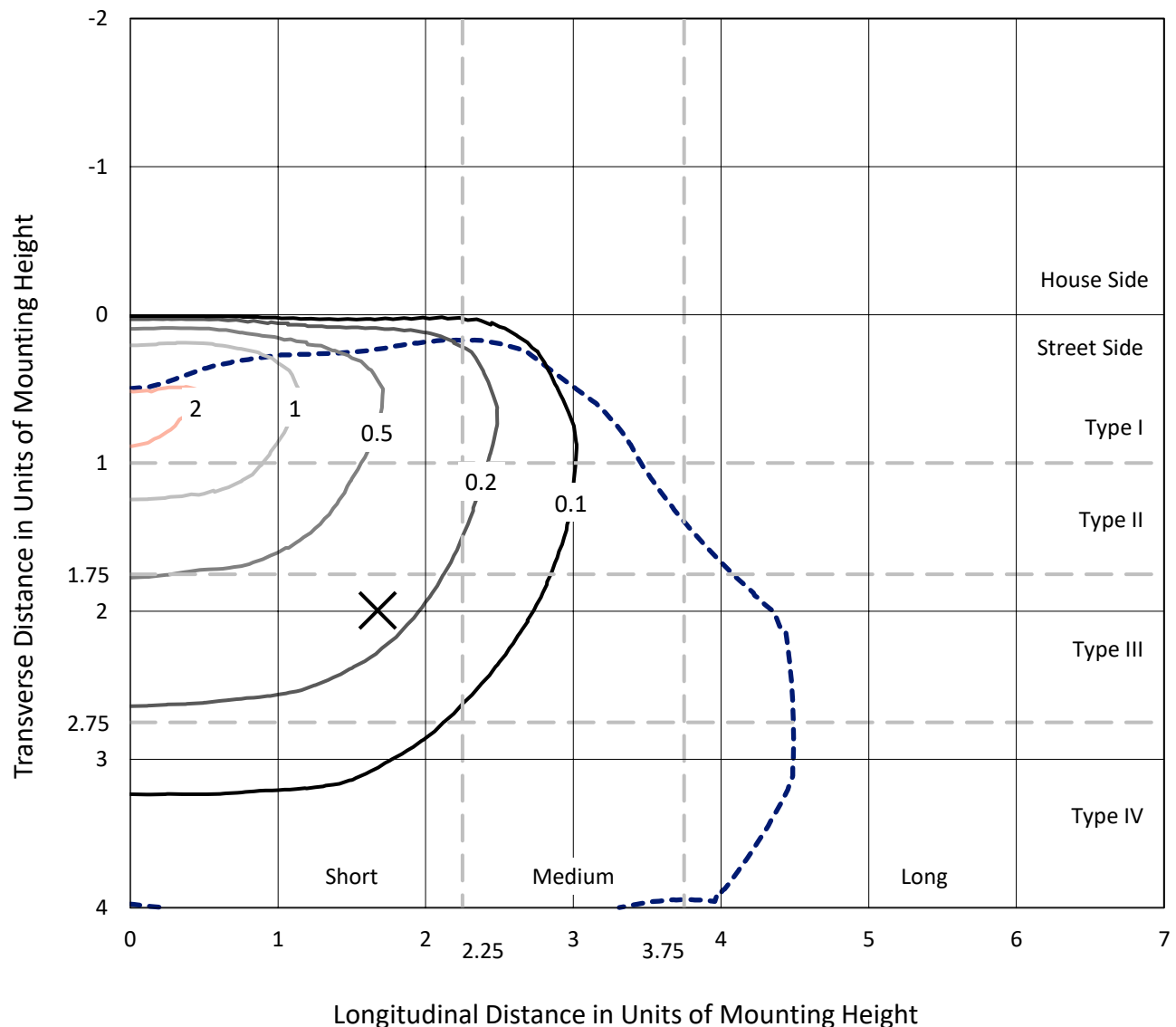
Input Watts (W): 38.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

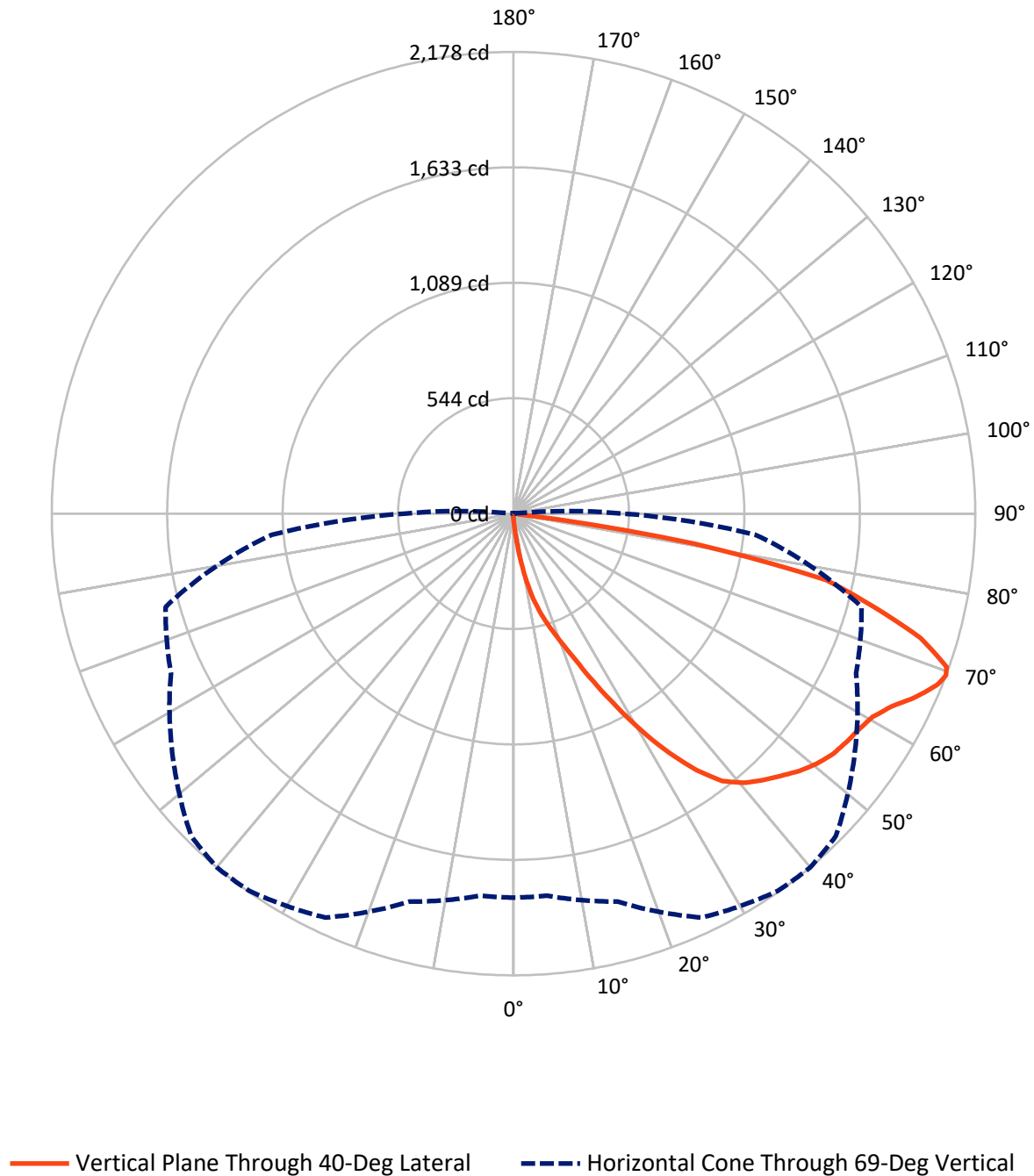
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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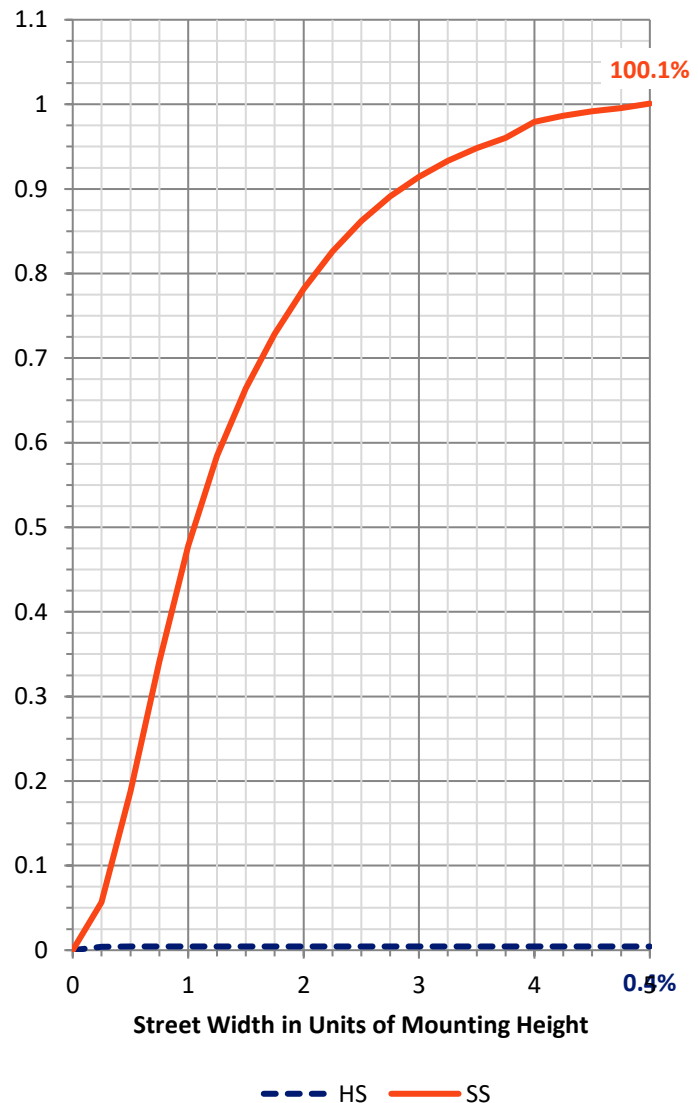
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15.6	0.0	15.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3544.8	0.0	3544.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	3560.5	0.0	3560.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.2
10°-20°	56.9	1.6
20°-30°	171.3	4.8
30°-40°	377.1	10.6
40°-50°	579.5	16.3
50°-60°	713.6	20.0
60°-70°	900.9	25.3
70°-80°	692.9	19.5
80°-90°	60.9	1.7
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°	3560.5	100.0
0°-180°	3560.5	100.0

Coefficient of Utilization



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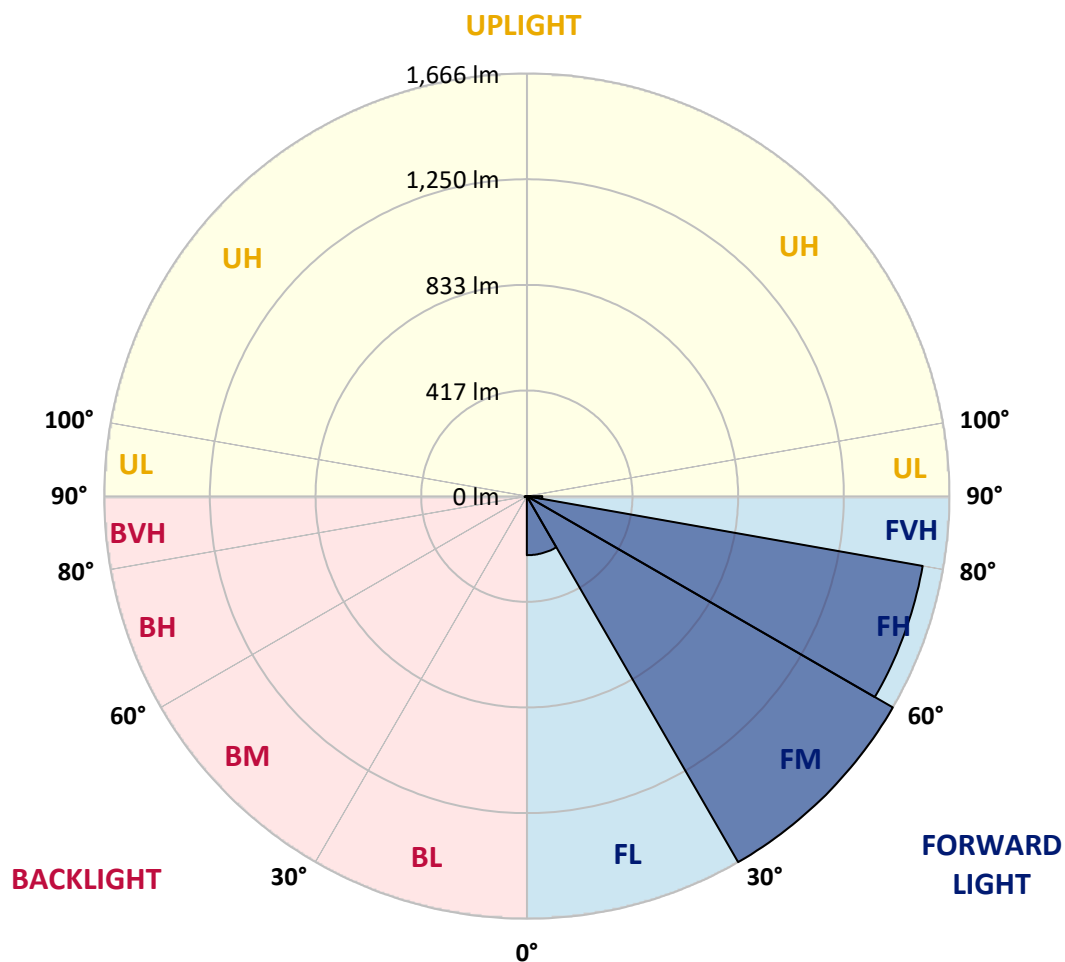
CATALOG NUMBER: GPC-SA1B-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.0	6.5			
FM	(30°-60°)	1666.3	46.8			
FH	(60°-80°)	1584.8	44.5			G1/1800
FVH	(80°-90°)	60.7	1.7			G1/100
BL	(0°-30°)	2.7	0.1	B0/110		
BM	(30°-60°)	3.8	0.1	B0/220		
BH	(60°-80°)	9.0	0.3	B0/110		G0/110
BVH	(80°-90°)	0.2	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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
2.5°	58.1	57.4	54.8	51.4	48.8	46.7	44.1	40.1	36.1	31.4	28.0
5°	152.3	151.6	140.9	127.6	109.5	97.5	85.5	66.1	50.1	38.7	29.4
7.5°	281.8	279.8	269.8	249.1	211.0	190.3	168.3	118.2	76.8	48.1	31.4
10°	410.0	408.7	396.0	366.0	324.6	303.9	274.5	201.7	120.9	62.8	34.1
12.5°	485.5	488.9	479.5	465.5	430.1	410.7	377.3	293.2	185.7	86.2	37.4
15°	547.6	549.0	540.3	531.6	512.2	496.2	468.2	390.7	263.1	117.5	41.4
17.5°	624.4	622.4	613.1	603.1	581.7	569.7	551.6	480.8	345.9	162.3	46.7
20°	721.9	716.6	705.9	688.5	665.2	650.5	631.8	573.0	428.7	211.7	53.4
22.5°	846.8	840.1	828.8	812.8	771.3	748.6	724.6	651.8	520.2	274.5	62.1
25°	991.1	987.7	975.7	953.0	908.9	878.9	840.1	744.0	611.1	341.3	72.8
27.5°	1160.7	1154.7	1138.7	1111.9	1064.5	1025.1	977.0	845.5	697.9	412.1	86.2
30°	1350.4	1337.0	1304.3	1280.9	1225.5	1186.7	1130.6	980.4	787.4	486.2	100.2
32.5°	1526.7	1509.3	1461.9	1429.8	1378.4	1343.7	1292.3	1116.6	888.2	563.7	118.2
35°	1686.3	1667.6	1590.8	1542.0	1516.0	1486.6	1434.5	1272.2	997.1	646.5	138.9
37.5°	1821.2	1802.5	1703.6	1626.8	1610.8	1600.8	1558.7	1403.8	1120.6	740.0	163.0
40°	1896.6	1884.6	1799.1	1712.3	1681.6	1669.6	1638.9	1514.0	1258.2	833.5	191.0
42.5°	1920.0	1912.7	1843.2	1800.5	1744.4	1720.3	1683.6	1598.1	1376.4	938.3	223.1
45°	1907.3	1899.3	1848.6	1858.6	1811.8	1765.1	1715.0	1655.6	1475.9	1061.9	263.1
47.5°	1853.2	1850.6	1815.8	1872.6	1867.3	1813.8	1751.7	1693.6	1561.4	1181.4	313.2
50°	1721.0	1719.7	1735.7	1853.2	1904.0	1853.9	1791.8	1727.7	1629.5	1300.9	377.3
52.5°	1542.7	1552.0	1632.9	1817.2	1914.7	1885.3	1831.9	1766.4	1685.6	1420.5	463.5
55°	1448.5	1456.5	1562.7	1777.8	1912.7	1904.0	1872.6	1803.8	1737.0	1518.7	578.3
57.5°	1520.0	1511.3	1560.1	1772.4	1904.0	1920.0	1902.0	1833.2	1783.8	1605.5	737.3
60°	1655.6	1652.9	1658.9	1810.5	1922.0	1946.1	1933.4	1853.2	1829.9	1671.6	912.3
62.5°	1792.5	1785.1	1791.1	1915.3	1984.8	2001.5	1986.1	1886.0	1865.9	1719.7	1101.9
65°	1860.6	1855.2	1883.3	2020.9	2074.3	2085.6	2065.6	1938.7	1871.9	1744.4	1221.5
67.5°	1851.9	1850.6	1916.0	2095.0	2149.1	2155.8	2139.1	1991.5	1846.6	1743.7	1234.2
69°	1811.2	1808.5	1894.6	2102.3	2173.1	2177.8	2150.4	1964.8	1782.4	1699.0	1144.0
70°	1763.1	1765.7	1863.3	2089.0	2173.8	2167.1	2103.7	1926.7	1733.7	1647.5	1029.1
72.5°	1584.1	1600.8	1734.4	2001.5	2082.3	2007.5	1924.7	1801.8	1640.9	1404.5	718.6
75°	1325.0	1348.4	1520.7	1819.8	1790.5	1753.1	1743.0	1649.5	1486.6	933.0	510.9
77.5°	647.8	725.3	1079.2	1397.8	1469.2	1507.3	1493.3	1363.7	1194.8	458.1	333.2
80°	34.1	35.4	56.8	133.6	680.5	865.5	1064.5	1041.2	904.2	209.0	175.6
82.5°	18.0	18.0	20.0	23.4	27.4	32.7	86.8	596.4	537.6	107.5	65.4
85°	10.0	10.0	12.0	16.0	20.7	24.0	27.4	36.1	115.5	38.7	10.7
87.5°	4.7	6.0	8.0	11.4	14.7	18.7	21.4	26.7	34.1	32.7	2.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
2.5°	26.0	24.7	22.7	21.4	20.7	19.4	18.0	17.4	16.7	16.0	16.7
5°	26.0	24.0	20.7	18.7	17.4	15.4	14.0	13.4	12.7	12.0	12.0
7.5°	26.0	22.7	18.7	16.0	14.0	12.7	10.7	10.0	9.3	8.7	8.7
10°	26.7	21.4	16.7	14.0	12.0	10.0	8.7	7.3	6.7	6.7	6.7
12.5°	26.7	20.0	14.7	12.0	10.0	8.0	6.0	4.7	4.0	4.0	4.0
15°	26.7	18.7	13.4	10.0	8.0	6.0	3.3	2.0	1.3	1.3	0.7
17.5°	27.4	18.0	12.0	8.7	6.0	3.3	0.7	0.0	0.0	0.0	0.0
20°	28.7	17.4	10.7	7.3	4.0	1.3	0.0	0.0	0.0	0.0	0.0
22.5°	30.1	16.7	9.3	5.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0
25°	32.7	16.7	8.7	4.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	35.4	16.7	6.7	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
30°	37.4	16.7	6.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	40.1	16.7	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	42.1	16.0	4.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	44.1	15.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	46.7	14.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	49.4	13.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	52.8	12.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	57.4	12.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	64.1	12.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	75.5	12.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	94.2	12.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	126.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	191.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	295.2	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	451.5	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	572.3	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69°	516.9	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	438.1	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	243.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	126.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	54.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	16.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	1.3	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	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

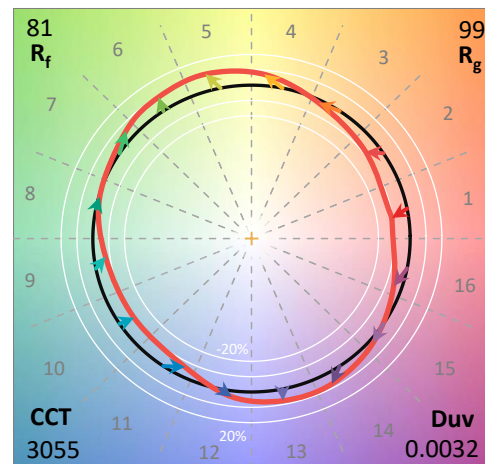
Test Information

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

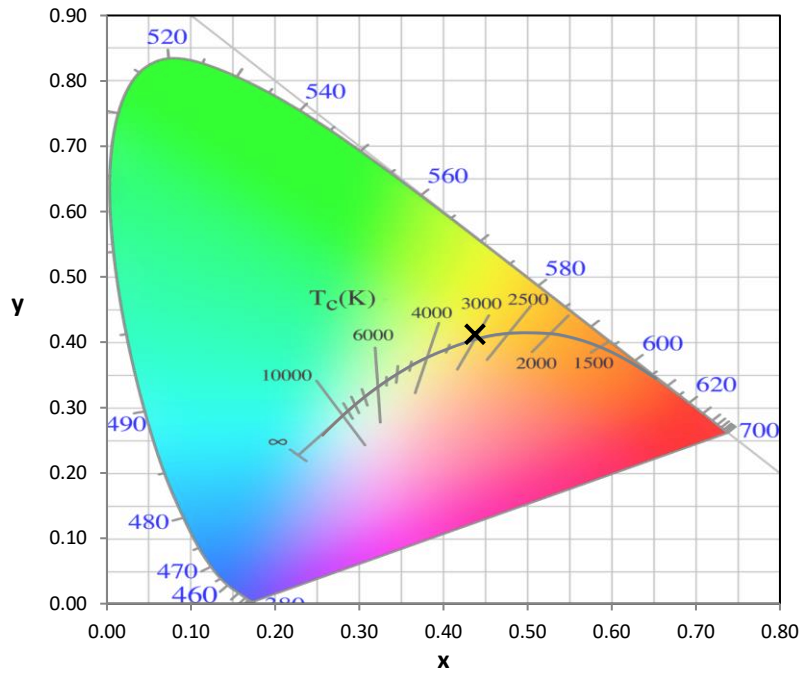
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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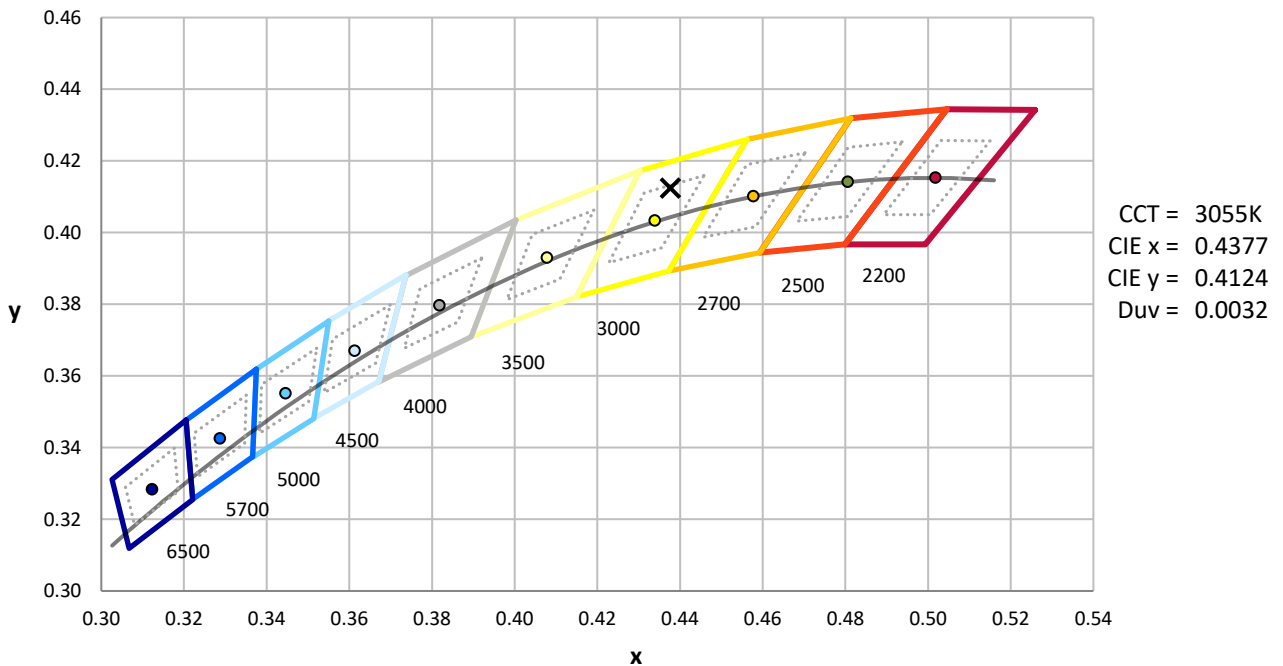
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



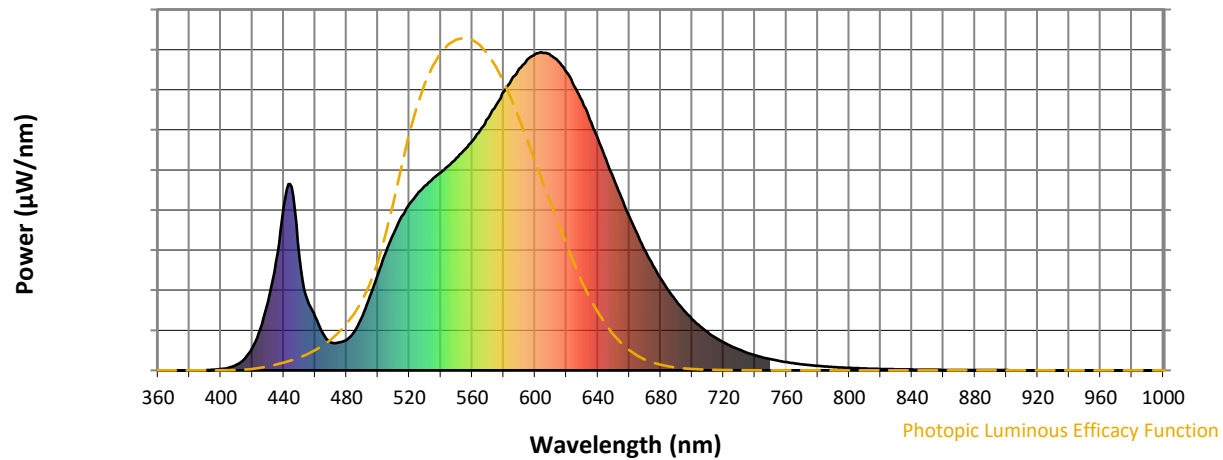
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

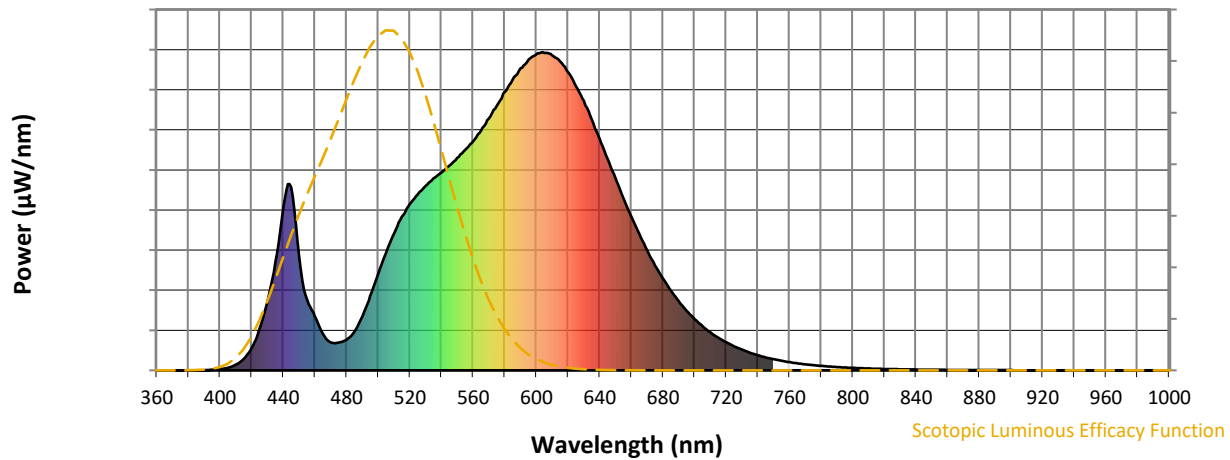


Photopic Lumens: NR

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



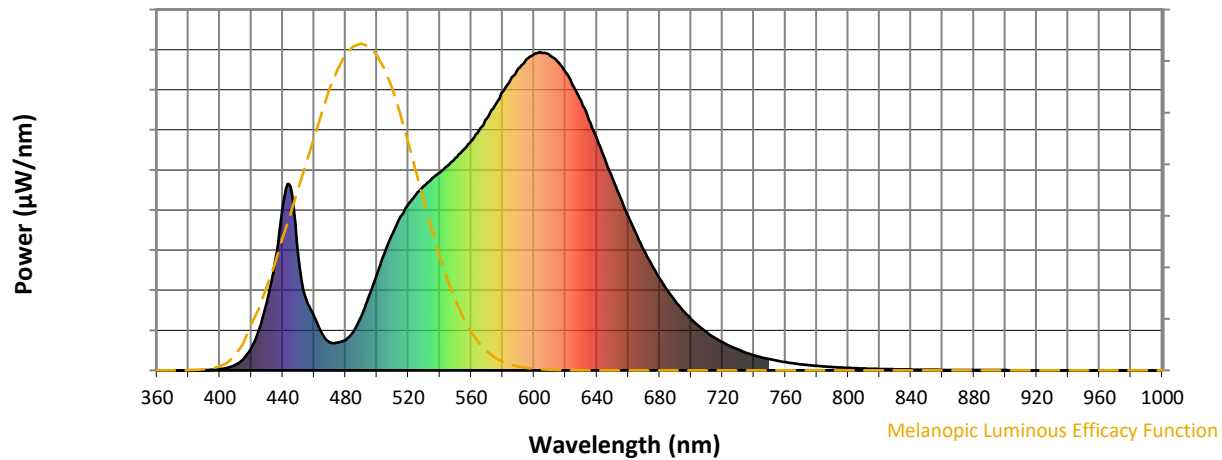
Scotopic Lumens: NR

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

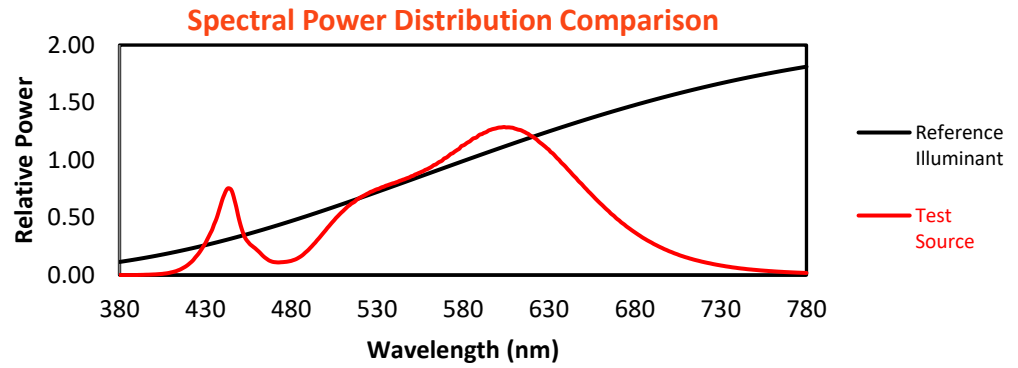
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	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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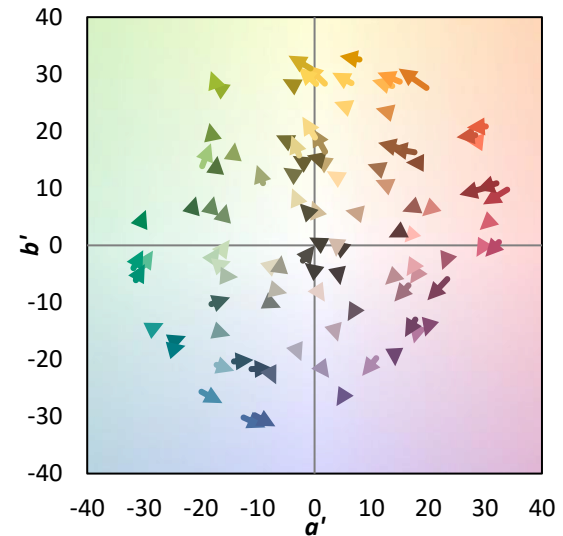
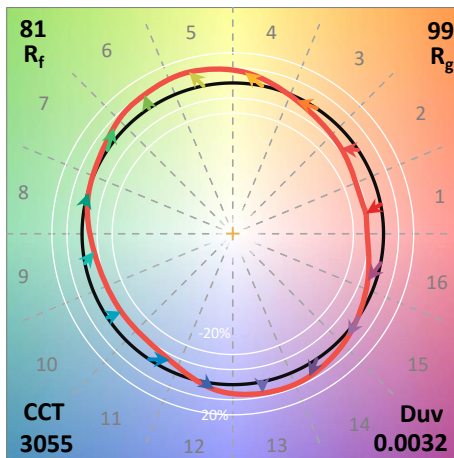
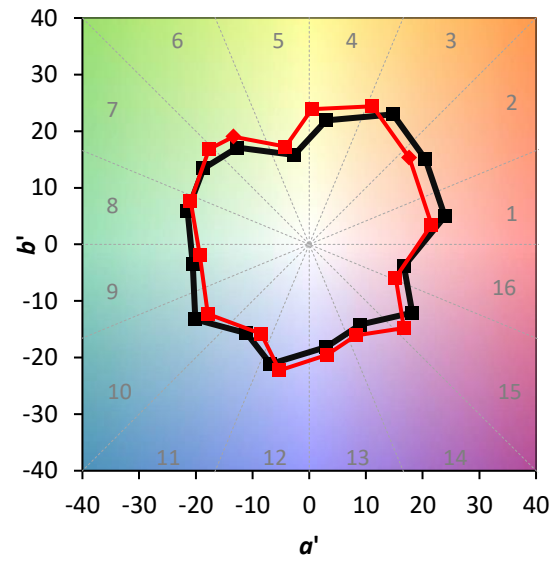
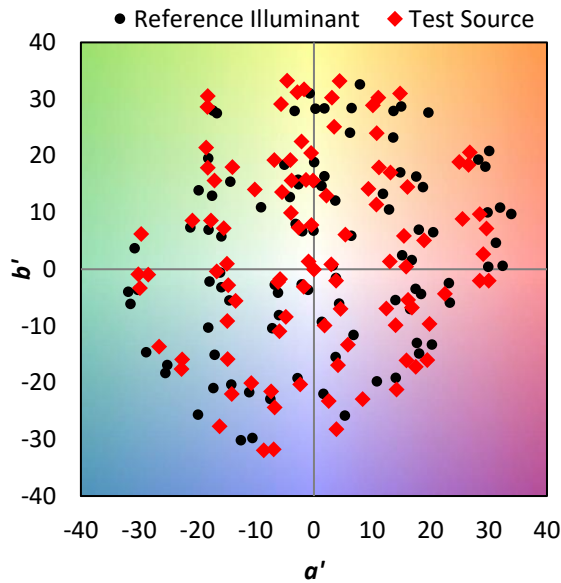
TM-30-18

Summary

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

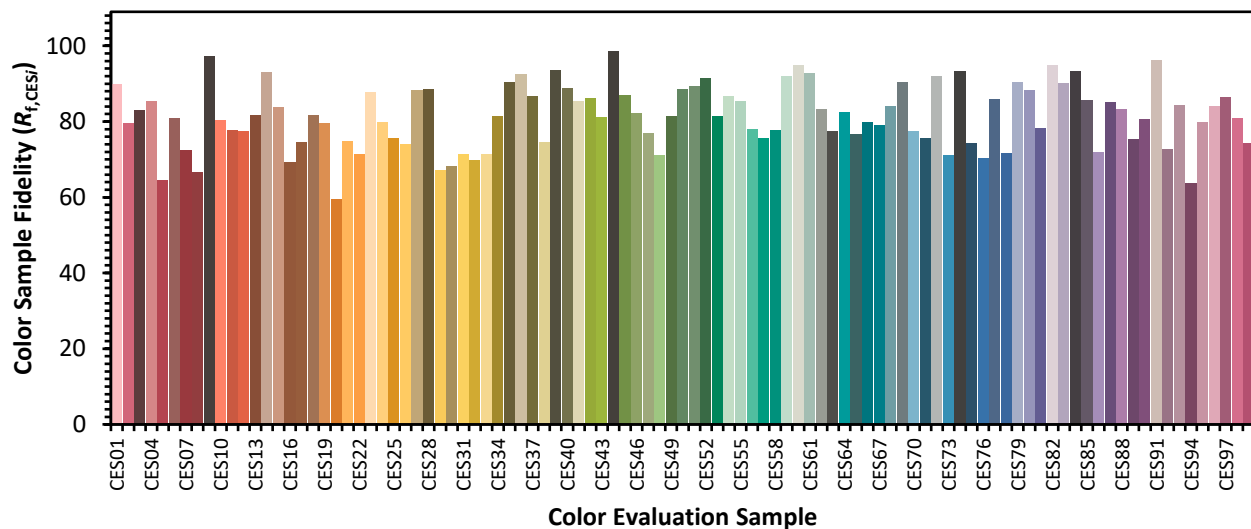


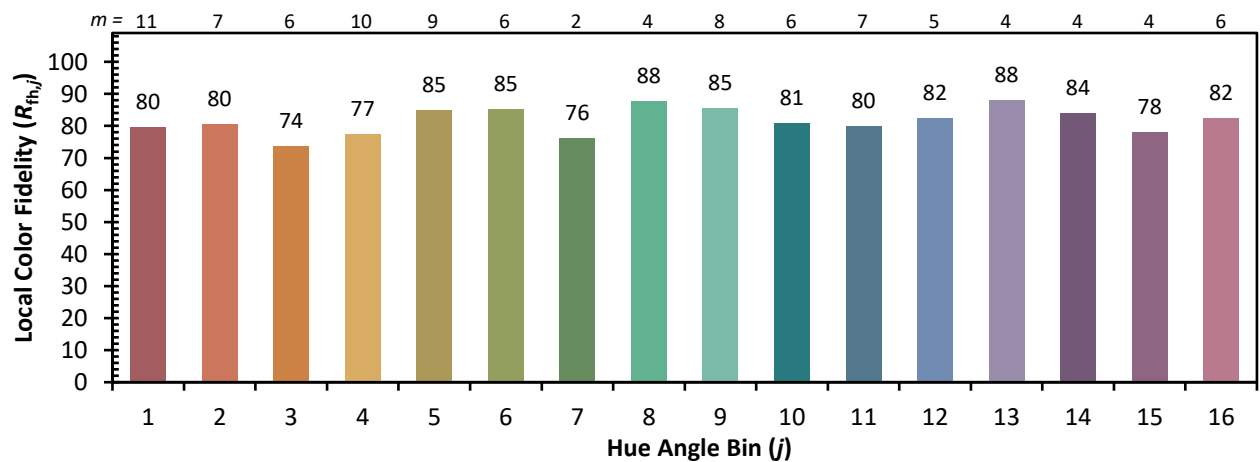
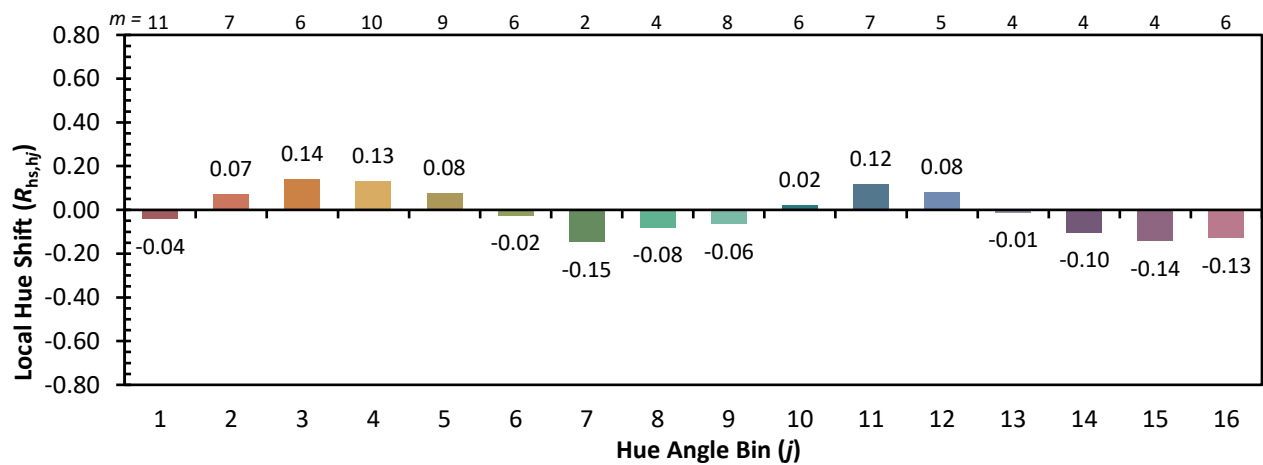
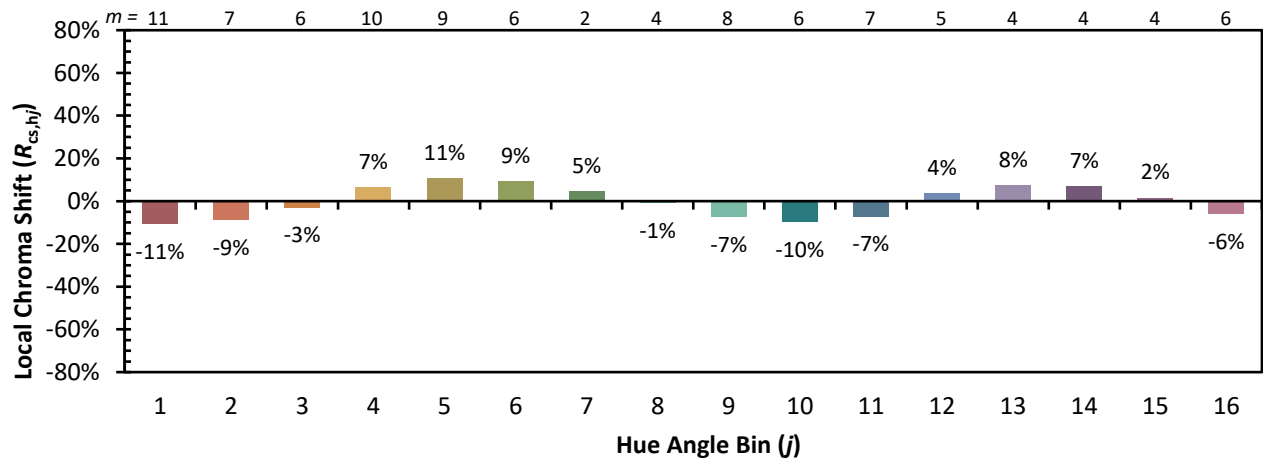
Color Vector Graphics



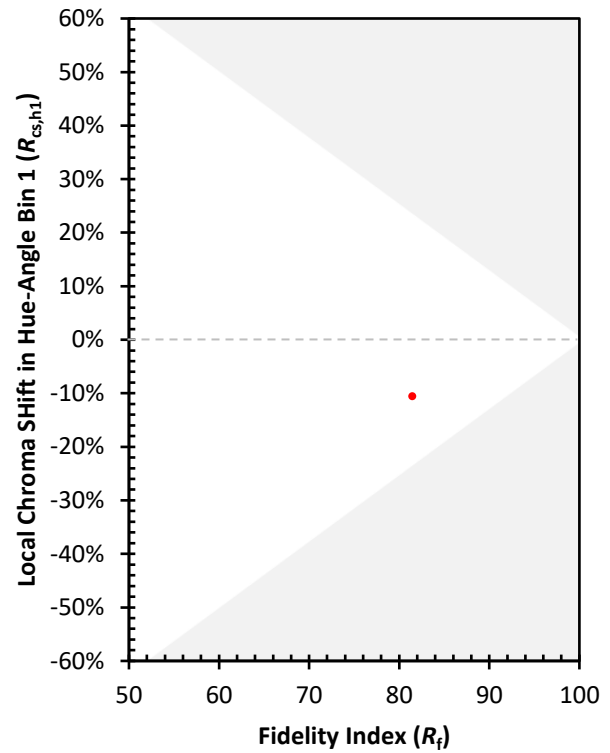
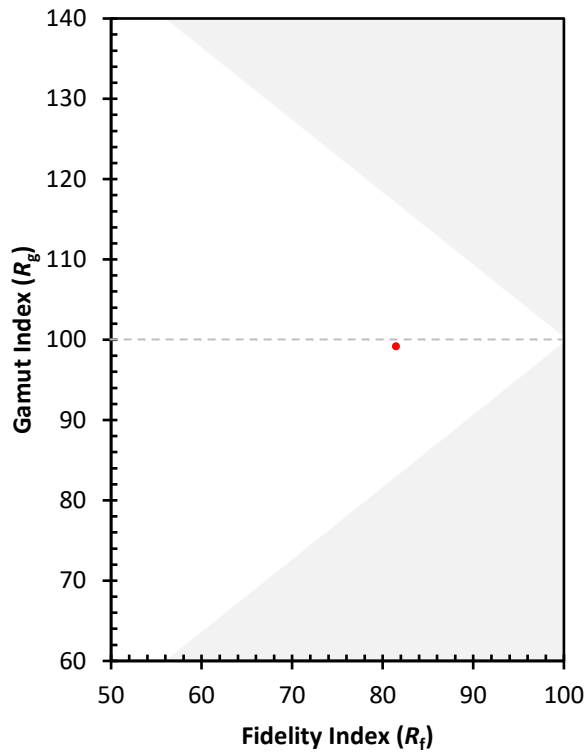
Individual Sample Fidelity Index ($R_{f,i}$)

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)