Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632530

Luminaire Tested: GWS-SA2C-830-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P632530
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2C-830-U-SL2-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6262.1 lumens
Efficiency:	N/A
Efficacy:	99.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

Input Watts (W):	63.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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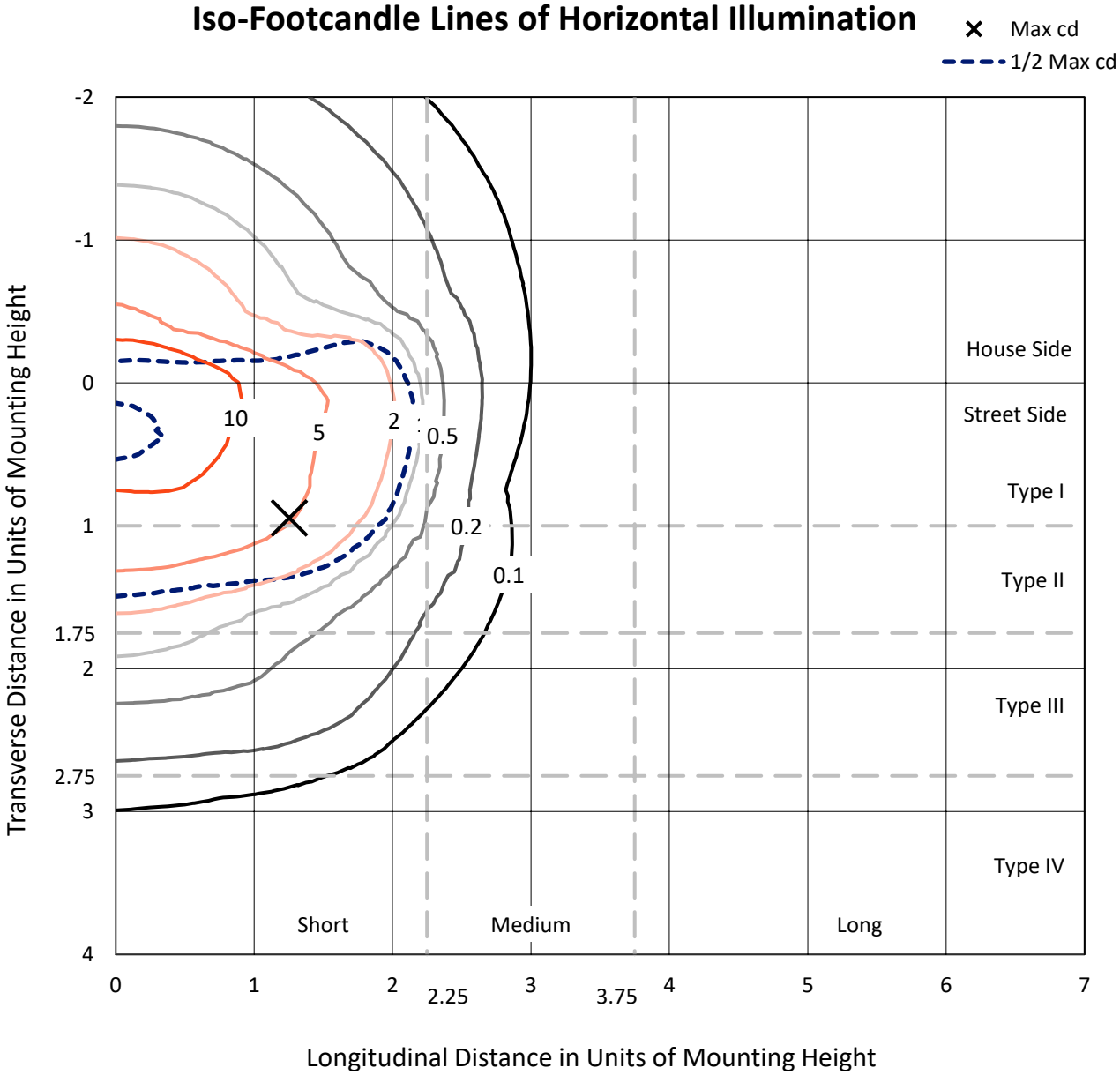
Scaled Data Report

REPORT NUMBER: P632530
CATALOG NUMBER: GWS-SA2C-830-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 20 fc
Type II - Short - N/A

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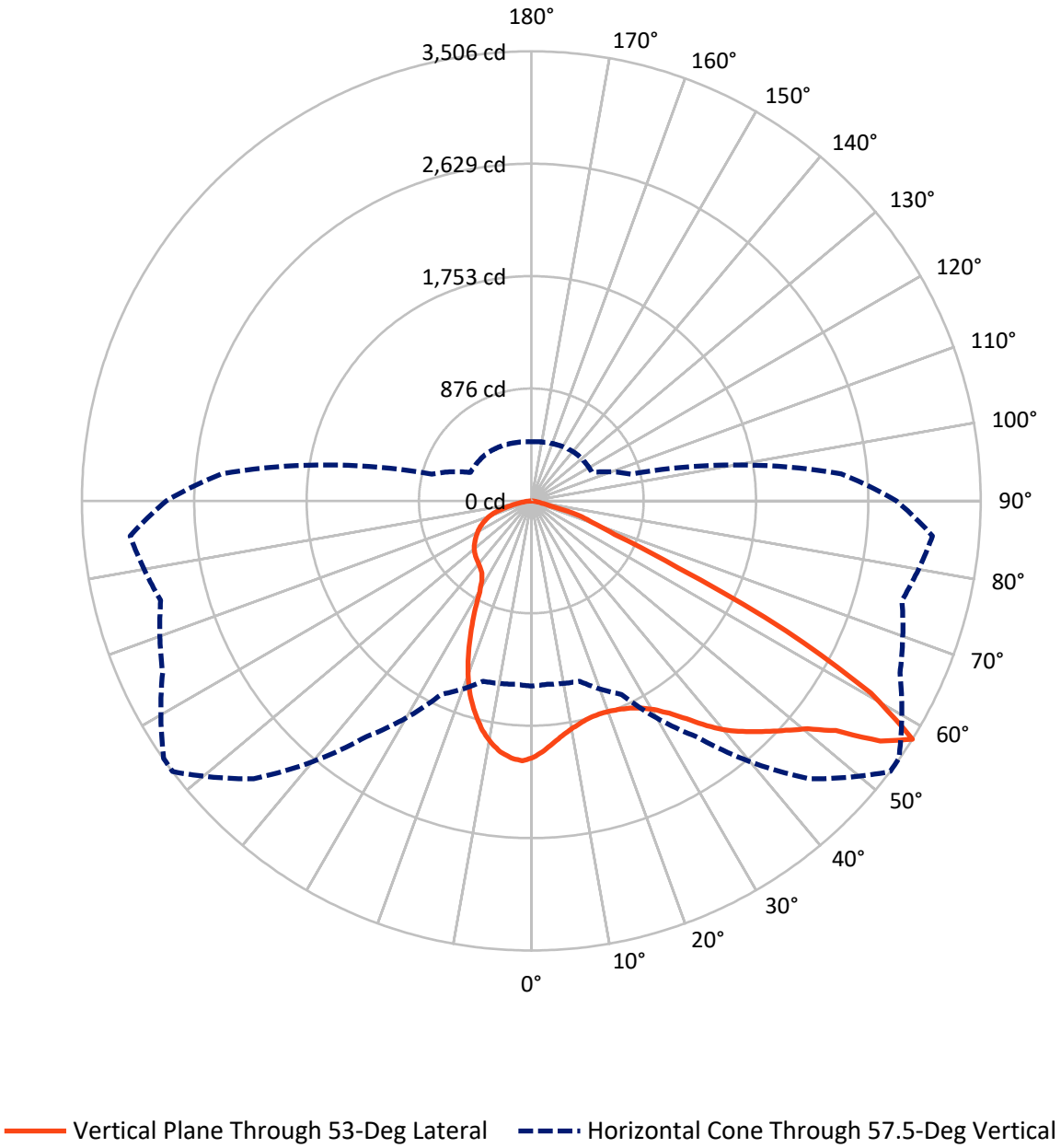
Luminous Intensity Polar Plot



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REPORT NUMBER: P632530
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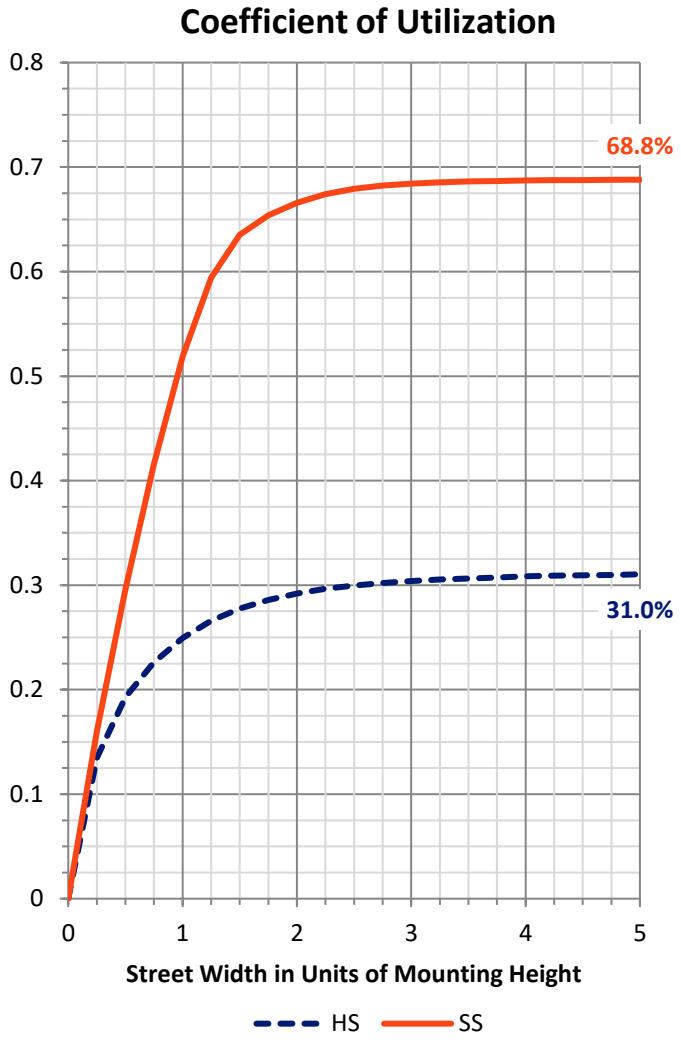
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1957.9	0.0	1957.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	4304.2	0.0	4304.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	6262.1	0.0	6262.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	2.9
10°-20°	474.4	7.6
20°-30°	699.0	11.2
30°-40°	978.4	15.6
40°-50°	1286.2	20.5
50°-60°	1508.0	24.1
60°-70°	888.4	14.2
70°-80°	221.0	3.5
80°-90°	25.9	0.4
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°	6262.1	100.0
0°-180°	6262.1	100.0



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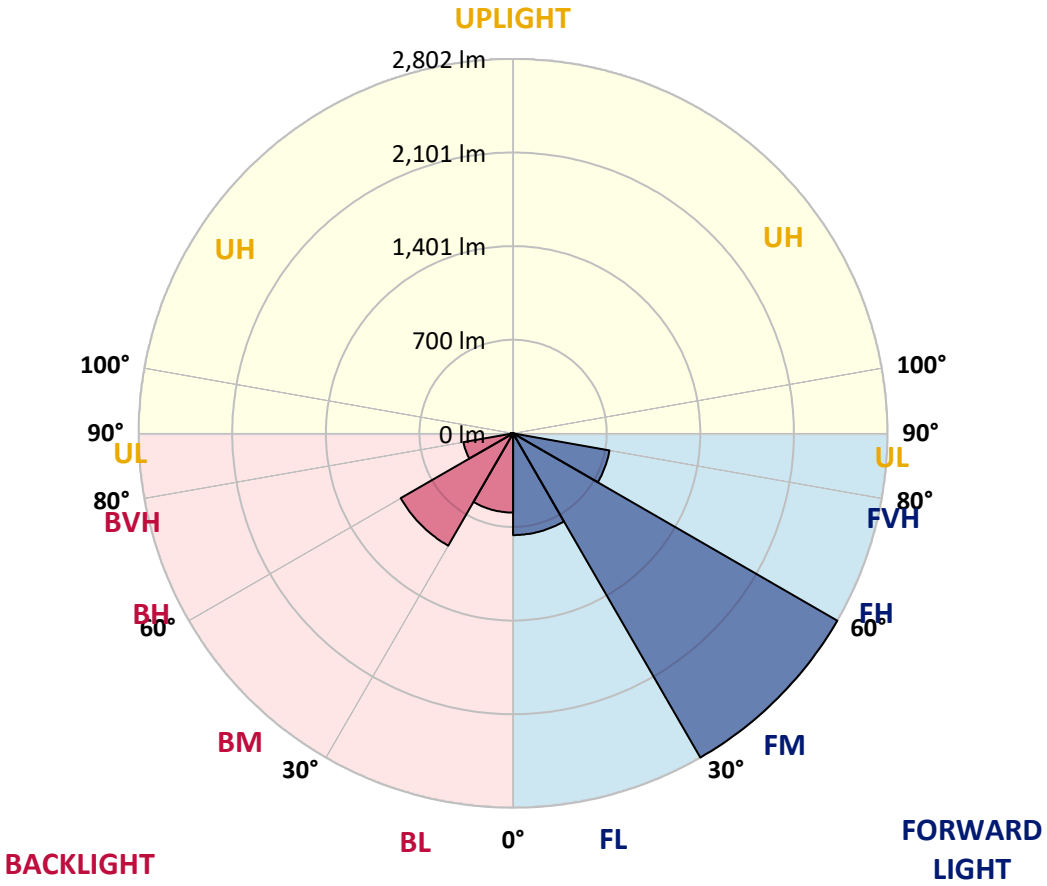
REPORT NUMBER: P632530
CATALOG NUMBER: GWS-SA2C-830-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	761.3	12.2			
FM	(30°-60°)	2801.7	44.7			
FH	(60°-80°)	732.4	11.7			G1/1800
FVH	(80°-90°)	8.7	0.1			G0/10
BL	(0°-30°)	592.9	9.5	B2/1000		
BM	(30°-60°)	970.8	15.5	B1/1000		
BH	(60°-80°)	377.0	6.0	B1/500		G1/500
BVH	(80°-90°)	17.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type II Short



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Scaled Data Report

REPORT NUMBER: P632530
CATALOG NUMBER: GWS-SA2C-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	*1999.7*	1999.7	1999.7	1999.7	1999.7
2.5°	1884.8	1890.0	1891.1	1907.4	1908.5	1932.2	*1948.0*	1944.8	1961.2	1981.2	1997.0
5°	1794.6	1795.2	1800.4	1819.9	1830.5	1861.6	*1887.9*	1887.9	1919.5	1960.7	1996.0
7.5°	1720.3	1719.8	1724.5	1746.1	1763.5	1801.0	*1836.8*	1841.0	1885.3	1945.4	2002.8
10°	1651.3	1655.0	1660.2	1686.6	1708.7	1755.1	*1797.8*	1804.6	1860.5	1934.8	2012.3
12.5°	1607.0	1607.5	1615.4	1644.9	1673.4	1723.0	*1767.8*	1776.2	1840.5	1924.8	2019.2
15°	1578.5	1579.1	1587.5	1620.2	1653.4	1703.5	*1749.3*	1758.8	1828.9	1923.2	2032.3
17.5°	1565.9	1565.4	1573.3	1605.9	1642.3	1694.5	*1743.5*	1755.1	1834.2	1935.4	2055.5
20°	1565.9	1566.4	1570.6	1600.1	1637.0	1692.4	*1749.3*	1763.5	1854.7	1962.8	2091.4
22.5°	1588.0	1590.1	1592.2	1612.3	1641.3	1695.5	*1764.6*	1783.6	1899.0	2008.6	2138.3
25°	1631.2	1631.8	1633.9	1650.2	1663.4	1704.5	*1789.9*	1818.3	1968.0	2075.6	2197.3
27.5°	1689.2	1696.6	1698.7	1709.2	1709.2	1726.6	*1829.4*	1870.5	2061.3	2172.0	2272.7
30°	1770.4	1773.0	1776.7	1788.3	1775.7	1768.3	*1887.4*	1940.1	2169.4	2288.5	2363.3
32.5°	1841.5	1847.3	1867.4	1886.3	1863.7	1840.5	*1972.8*	2035.0	2273.2	2409.7	2459.8
35°	1902.2	1916.4	1954.9	1997.0	1981.2	1958.0	*2086.1*	2150.9	2358.6	2496.7	2545.2
37.5°	1975.4	1986.5	2039.2	2107.7	2121.9	2110.9	*2224.2*	2270.6	2415.5	2518.8	2591.5
40°	2049.7	2066.6	2134.6	2229.5	2283.7	2291.6	*2351.7*	2382.8	2435.0	2475.6	2582.6
42.5°	2125.6	2154.6	2247.9	2358.6	2455.0	2473.0	*2459.3*	2472.4	2428.7	2416.0	2540.9
45°	2218.4	2252.6	2358.1	2499.3	2626.3	2654.3	*2564.7*	2552.5	2427.6	2393.4	2515.1
47.5°	2328.0	2362.3	2462.9	2627.4	2789.7	2810.3	*2672.7*	2650.6	2464.5	2428.2	2549.9
50°	2425.0	2448.7	2538.8	2722.8	2942.0	2954.2	*2791.8*	2764.9	2556.2	2524.6	2658.5
52.5°	2326.4	2323.8	2418.7	2645.3	3021.1	3167.1	*2975.2*	2949.4	2733.3	2684.8	2826.6
55°	1973.8	1943.8	2028.6	2251.6	2800.3	3356.3	*3304.1*	3252.5	2969.4	2846.1	2984.2
57.5°	*1443.1*	*1434.7*	*1455.2*	*1664.4*	*2243.2*	*3063.3*	*3505.5*	*3500.7*	*3173.4*	*2993.7*	*3141.3*
60°	1128.4	1115.8	1061.0	1066.8	1529.0	2392.8	*3042.2*	3181.8	3299.9	3082.2	3250.9
62.5°	1001.9	992.5	964.0	885.5	910.8	1604.4	*2230.0*	2358.1	2883.5	2722.3	2792.4
65°	829.6	827.0	850.7	847.5	763.2	886.0	*1258.6*	1387.7	1813.1	1835.7	1813.1
67.5°	603.0	598.2	658.3	776.9	734.7	668.8	*701.5*	746.3	929.7	834.9	751.6
70°	392.1	385.3	420.1	561.3	657.8	582.9	*505.4*	498.1	511.2	317.8	343.6
72.5°	263.0	255.1	254.6	308.9	397.4	392.7	*391.6*	387.9	346.3	250.9	278.3
75°	146.5	140.2	138.6	133.3	142.3	144.9	*154.4*	159.7	172.9	190.3	210.8
77.5°	24.8	24.2	30.6	39.0	53.8	69.0	*85.4*	90.1	111.2	131.8	144.9
80°	13.7	14.2	18.4	22.7	30.0	41.1	*52.7*	55.9	68.5	79.6	90.1
82.5°	7.4	7.4	9.5	12.1	16.3	21.6	*28.5*	31.1	39.5	46.4	53.8
85°	2.6	2.6	3.7	4.7	6.9	9.0	*11.1*	12.6	17.4	23.7	26.9
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	*2.1*	2.1	2.6	4.7	6.9
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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Scaled Data Report

REPORT NUMBER: P632530
CATALOG NUMBER: GWS-SA2C-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7	1999.7
2.5°	2010.2	1996.0	2015.5	2024.4	2027.6	2029.7	2016.0	2006.5	2003.3	1993.3	1987.5
5°	2017.6	2008.1	2026.5	2026.5	2013.4	1999.7	1971.7	1952.2	1938.5	1922.2	1919.5
7.5°	2030.2	2023.4	2033.4	2012.8	1979.6	1942.7	1894.2	1856.3	1825.7	1805.7	1806.2
10°	2047.1	2038.7	2030.8	1984.9	1924.3	1856.3	1782.0	1726.6	1676.0	1652.9	1640.2
12.5°	2058.2	2046.0	2012.8	1936.9	1847.9	1756.7	1651.8	1569.6	1496.3	1463.1	1460.5
15°	2071.9	2049.7	1983.3	1874.7	1750.9	1626.5	1491.6	1377.2	1278.1	1226.5	1223.8
17.5°	2089.8	2053.4	1948.0	1803.6	1648.6	1465.2	1295.5	1151.6	1046.2	1006.2	1013.0
20°	2115.1	2057.6	1907.9	1724.5	1521.6	1281.8	1070.5	938.2	897.6	894.9	889.7
22.5°	2143.5	2060.3	1863.7	1636.0	1367.7	1086.3	884.4	828.0	827.5	840.7	843.8
25°	2175.7	2062.4	1813.6	1532.7	1201.2	891.3	782.2	765.3	778.5	803.2	806.4
27.5°	2216.8	2066.6	1753.0	1419.4	1024.1	770.0	725.8	721.5	737.4	760.5	759.5
30°	2277.4	2081.9	1688.7	1289.2	842.2	712.6	691.5	692.0	698.4	709.4	711.0
32.5°	2339.1	2105.6	1626.0	1142.7	737.9	679.9	670.4	669.4	669.4	674.1	675.2
35°	2397.6	2132.5	1558.0	989.8	687.3	660.9	654.6	651.4	649.9	648.8	647.2
37.5°	2430.3	2145.7	1491.6	839.1	660.4	648.3	642.0	637.7	631.9	627.7	626.7
40°	2416.0	2130.4	1414.6	726.3	644.1	636.2	628.8	623.0	615.1	611.4	609.3
42.5°	2368.6	2082.9	1330.8	673.1	630.9	623.0	614.0	604.5	599.3	596.1	595.6
45°	2318.5	2025.5	1229.6	642.0	618.2	608.8	598.2	587.7	581.9	580.3	579.8
47.5°	2316.9	1997.0	1122.1	617.2	603.0	593.5	580.3	569.7	563.4	561.3	559.2
50°	2386.5	2026.0	1000.9	595.6	587.1	577.1	562.4	550.8	542.9	540.2	539.7
52.5°	2530.9	2135.1	892.3	574.0	566.1	554.5	542.3	530.7	521.3	516.5	516.0
55°	2686.9	2273.7	824.8	551.8	541.3	531.3	520.2	507.6	497.0	489.6	488.6
57.5°	*2848.2*	*2425.0*	*804.3*	*523.9*	*516.0*	*509.1*	*496.0*	*482.3*	*470.1*	*463.3*	*461.7*
60°	2981.0	2555.2	842.8	494.4	490.2	481.2	469.1	455.9	447.5	442.2	441.1
62.5°	2495.6	2080.3	680.4	462.2	462.2	452.7	439.0	429.6	423.8	420.1	419.0
65°	1583.8	1288.1	464.3	430.1	429.6	416.9	405.3	399.0	396.3	390.5	389.5
67.5°	689.9	588.7	396.9	397.4	395.3	381.6	370.0	365.3	360.0	353.7	353.1
70°	357.9	364.7	355.2	361.0	357.3	341.0	329.9	322.6	311.5	305.2	305.7
72.5°	288.8	296.2	306.7	315.7	307.8	294.6	277.2	268.3	254.0	247.2	247.7
75°	220.3	228.2	238.2	247.7	241.4	225.1	214.0	205.0	188.7	180.8	182.4
77.5°	151.8	156.0	168.1	167.6	165.5	160.8	144.4	133.9	117.0	107.5	108.6
80°	94.3	97.0	102.8	105.4	104.4	98.0	84.9	77.0	66.9	61.1	61.7
82.5°	56.9	58.5	63.8	64.3	63.8	59.0	49.0	43.2	36.9	33.7	33.7
85°	29.0	30.0	33.2	33.2	30.0	25.3	22.7	20.0	16.3	14.8	14.8
87.5°	7.9	7.9	10.0	8.4	6.9	6.3	3.2	2.6	1.1	0.5	0.5
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

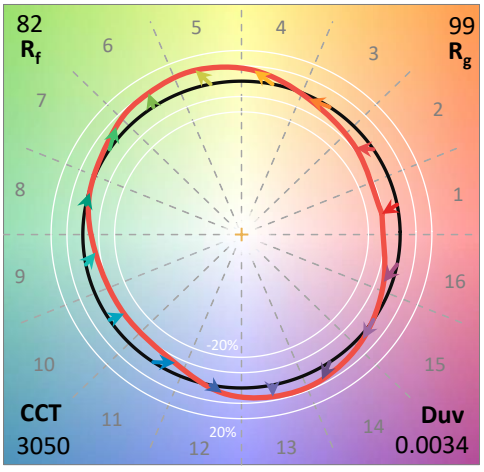
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

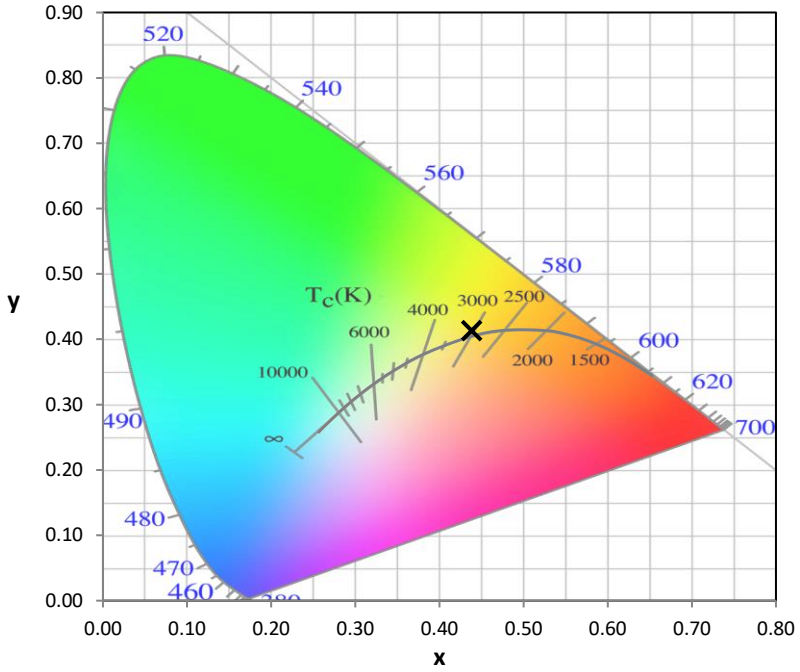
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

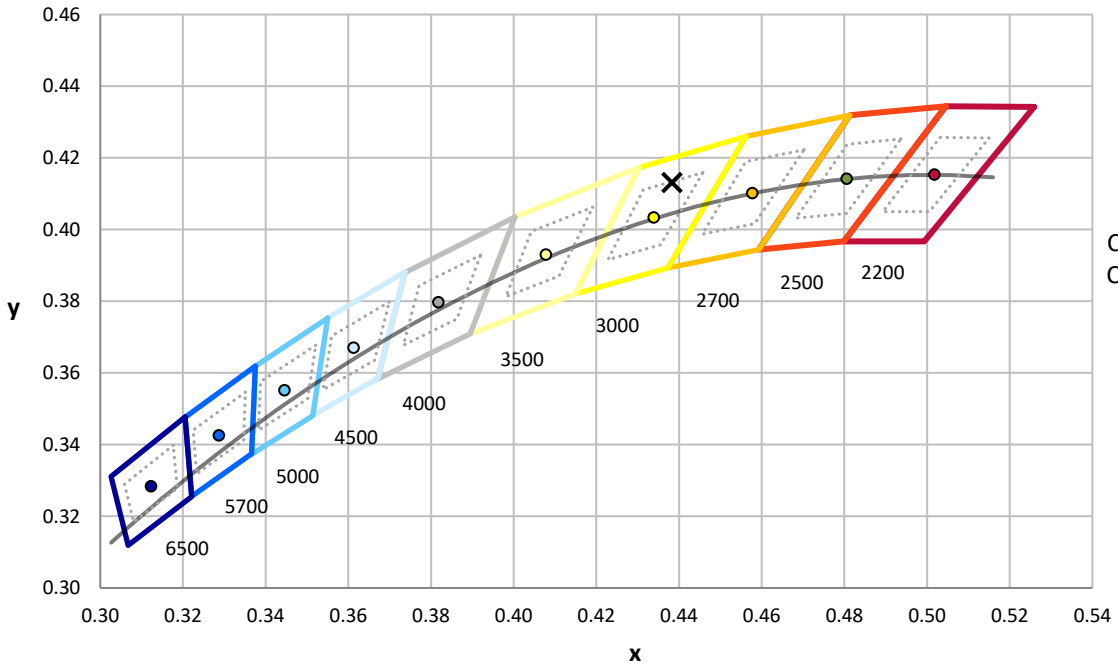
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

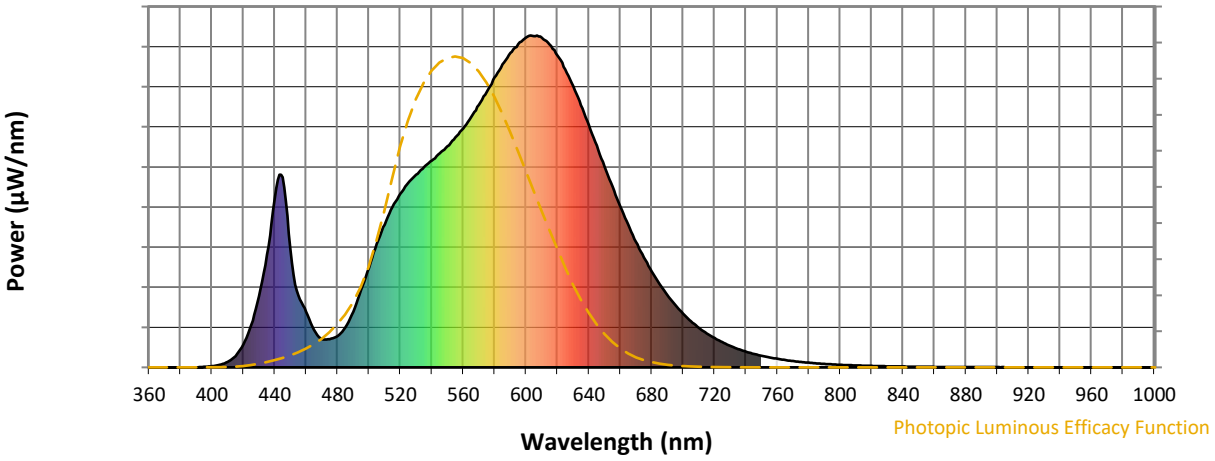


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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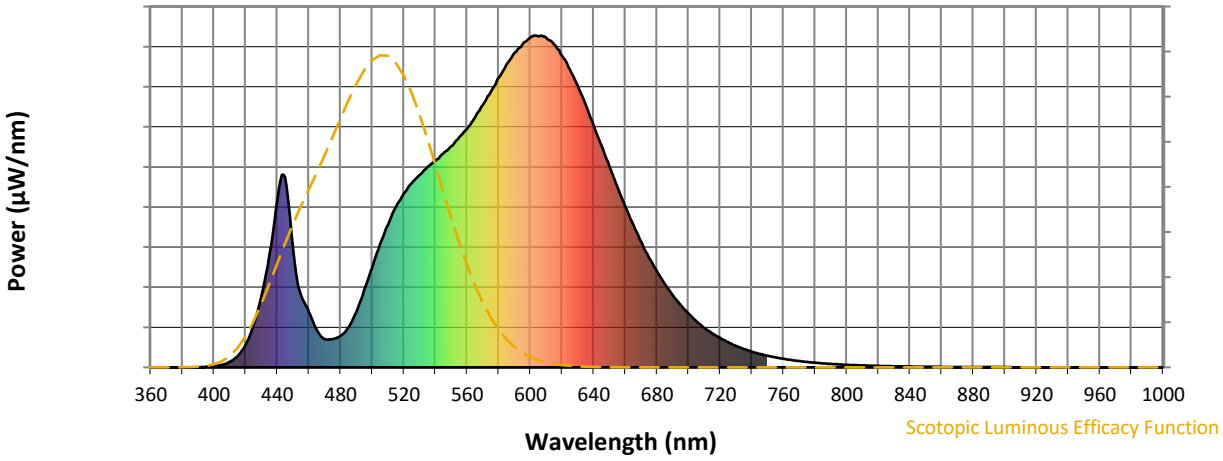
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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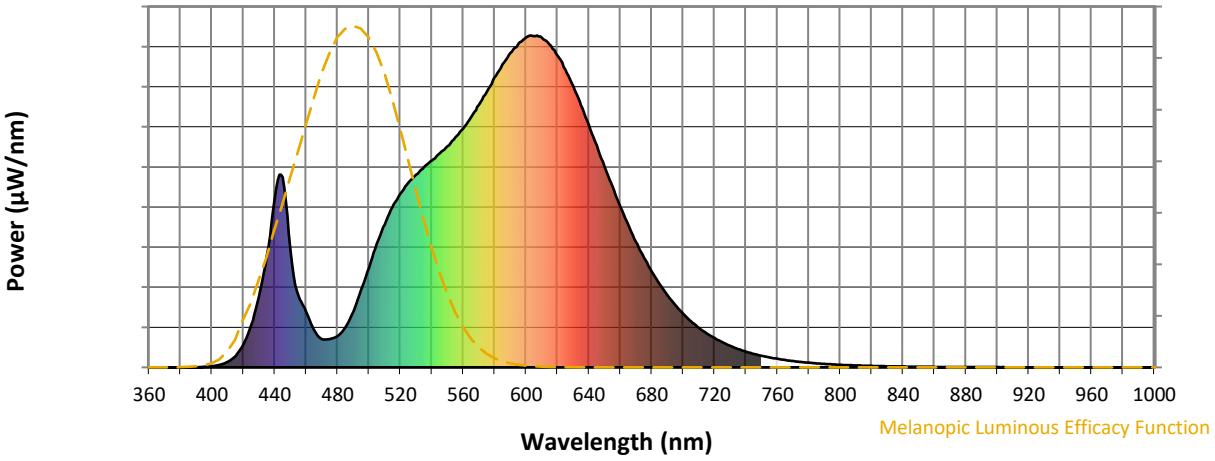
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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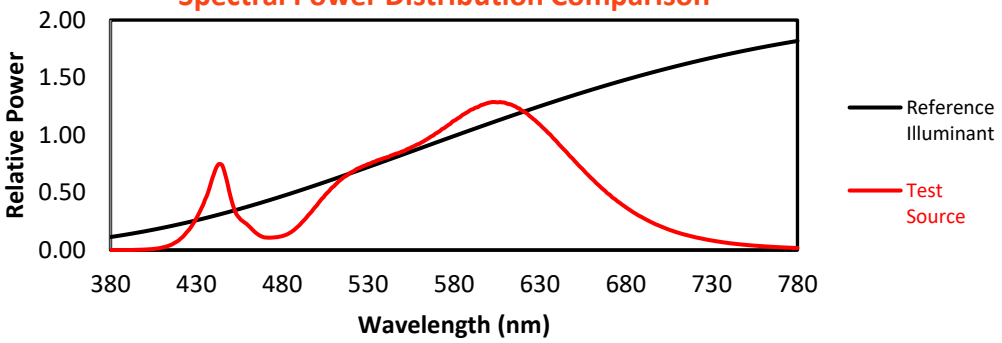
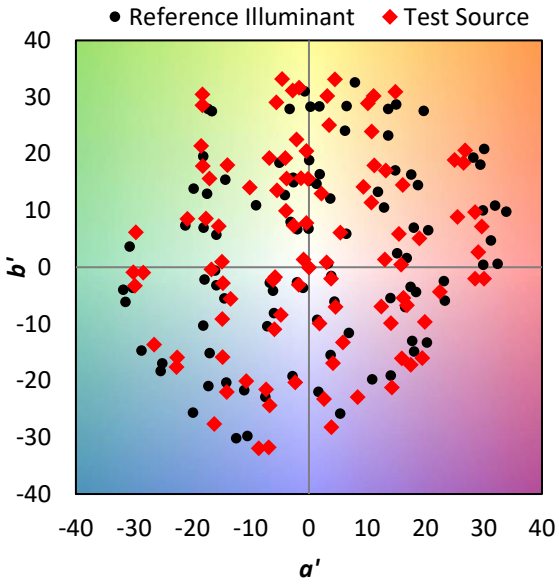
Summary

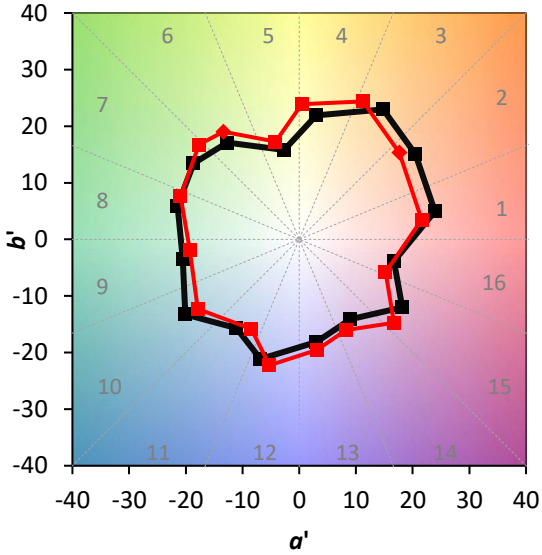
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

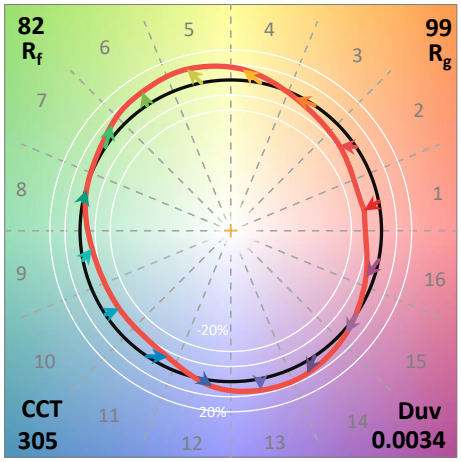
Spectral Power Distribution Comparison

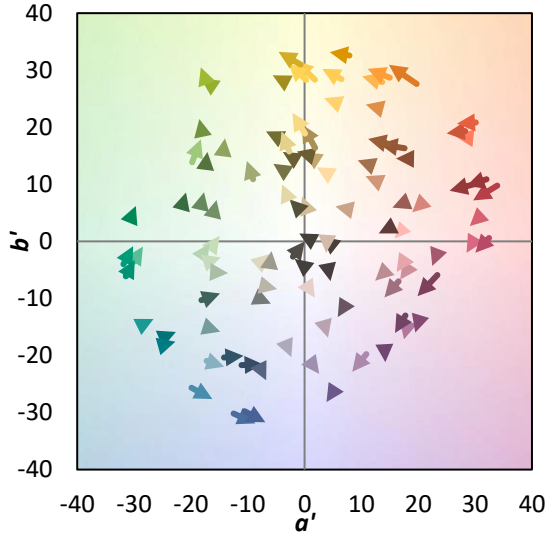


Color Vector Graphics









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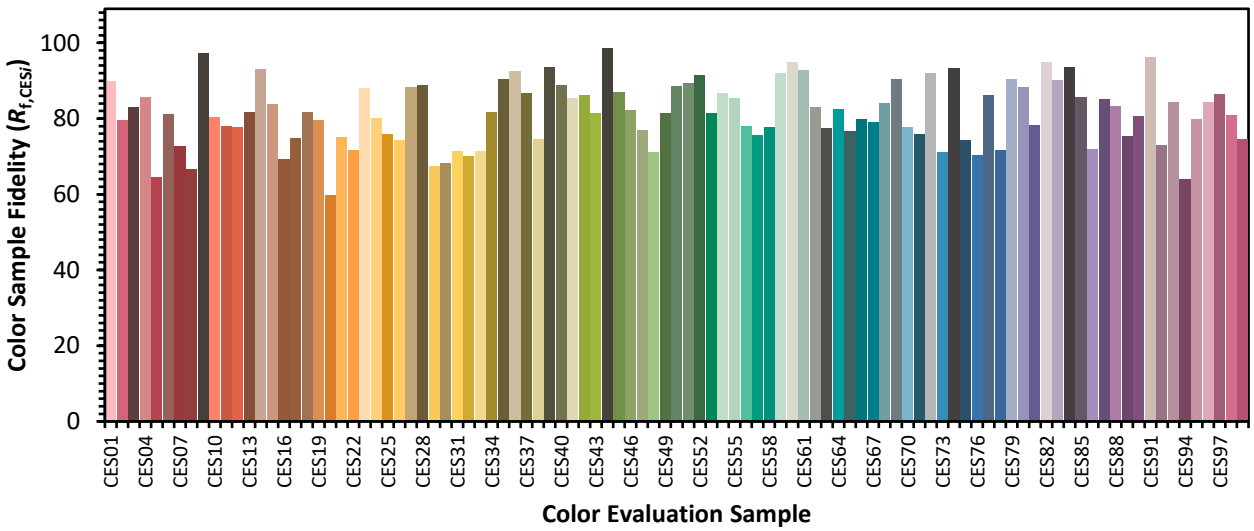
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	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 = 94
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 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	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	



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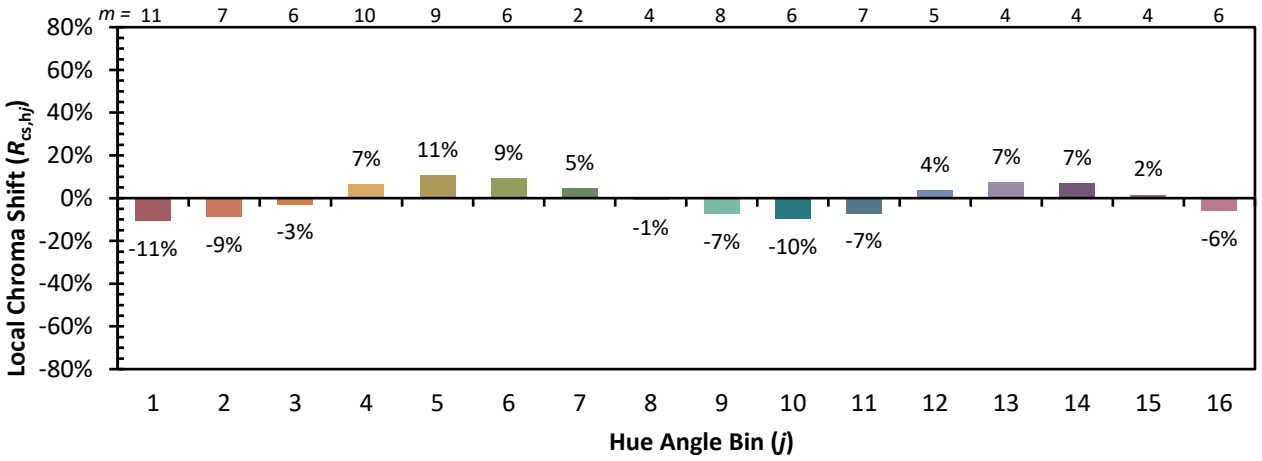
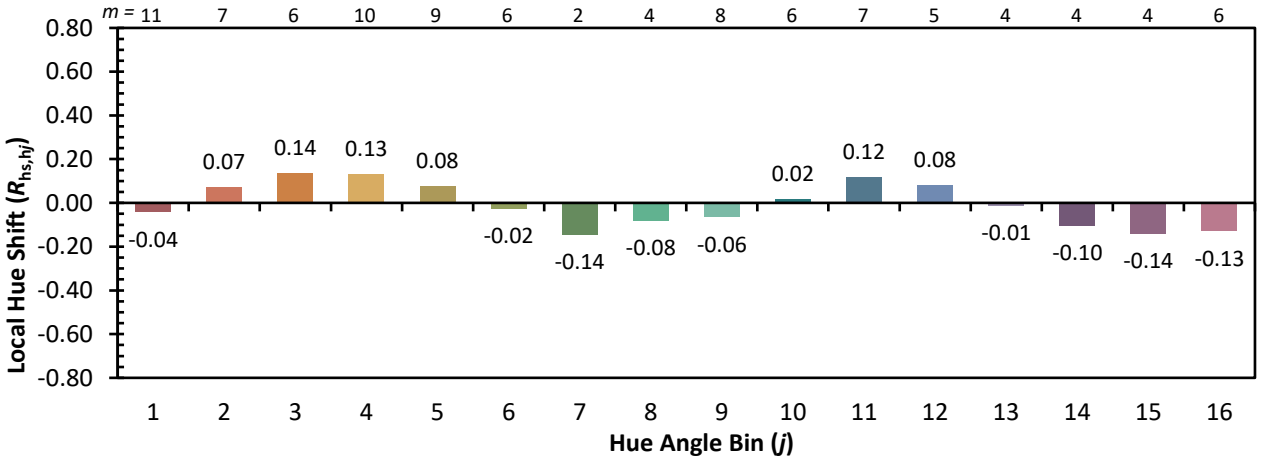
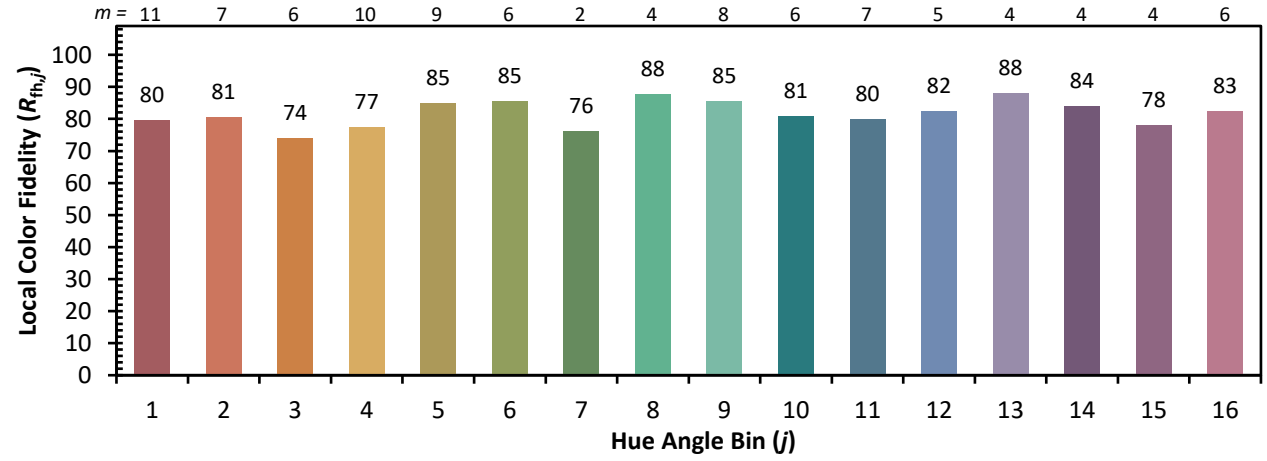
Color Rendition by Hue-Angle Bin







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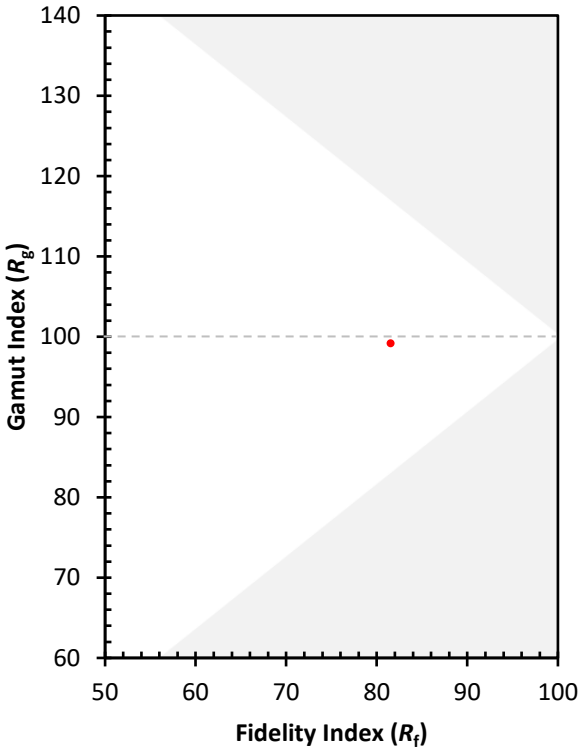
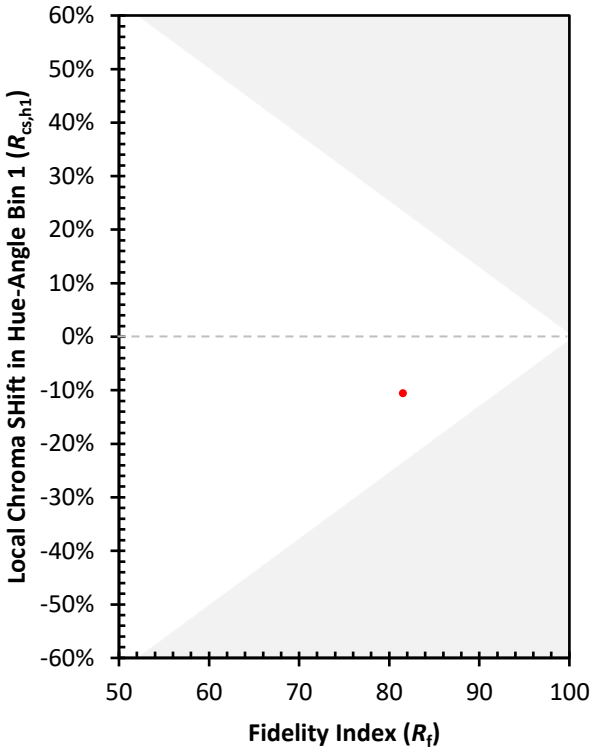
Measure Comparisons





(END OF REPORT)