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: P632527

Luminaire Tested: GWS-SA2C-830-U-RW-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:	P632527
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2C-830-U-RW-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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:	6481.3 lumens
Efficiency:	N/A
Efficacy:	102.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - 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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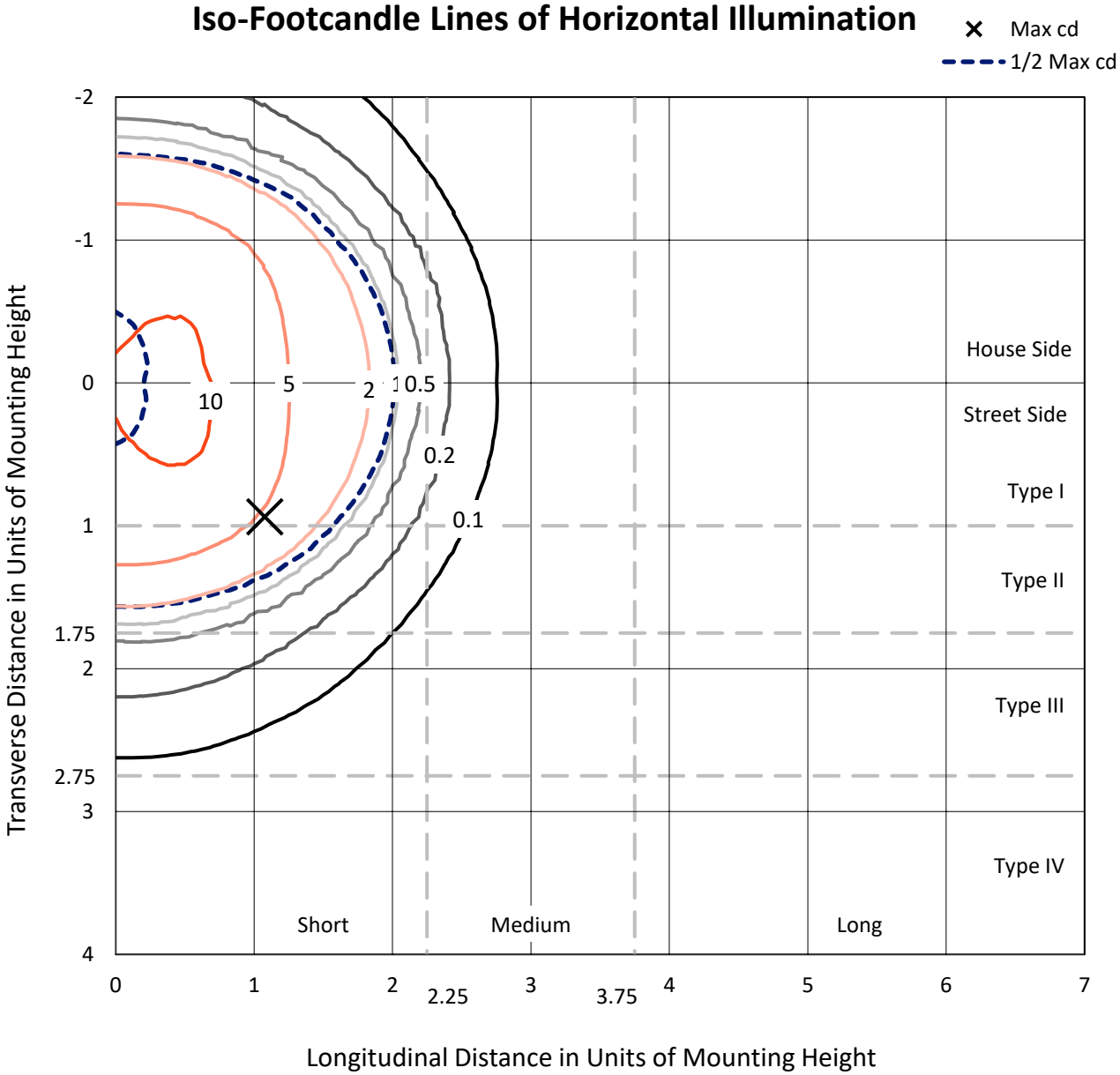
Scaled Data Report

REPORT NUMBER: P632527
CATALOG NUMBER: GWS-SA2C-830-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
Type V - Short - N/A

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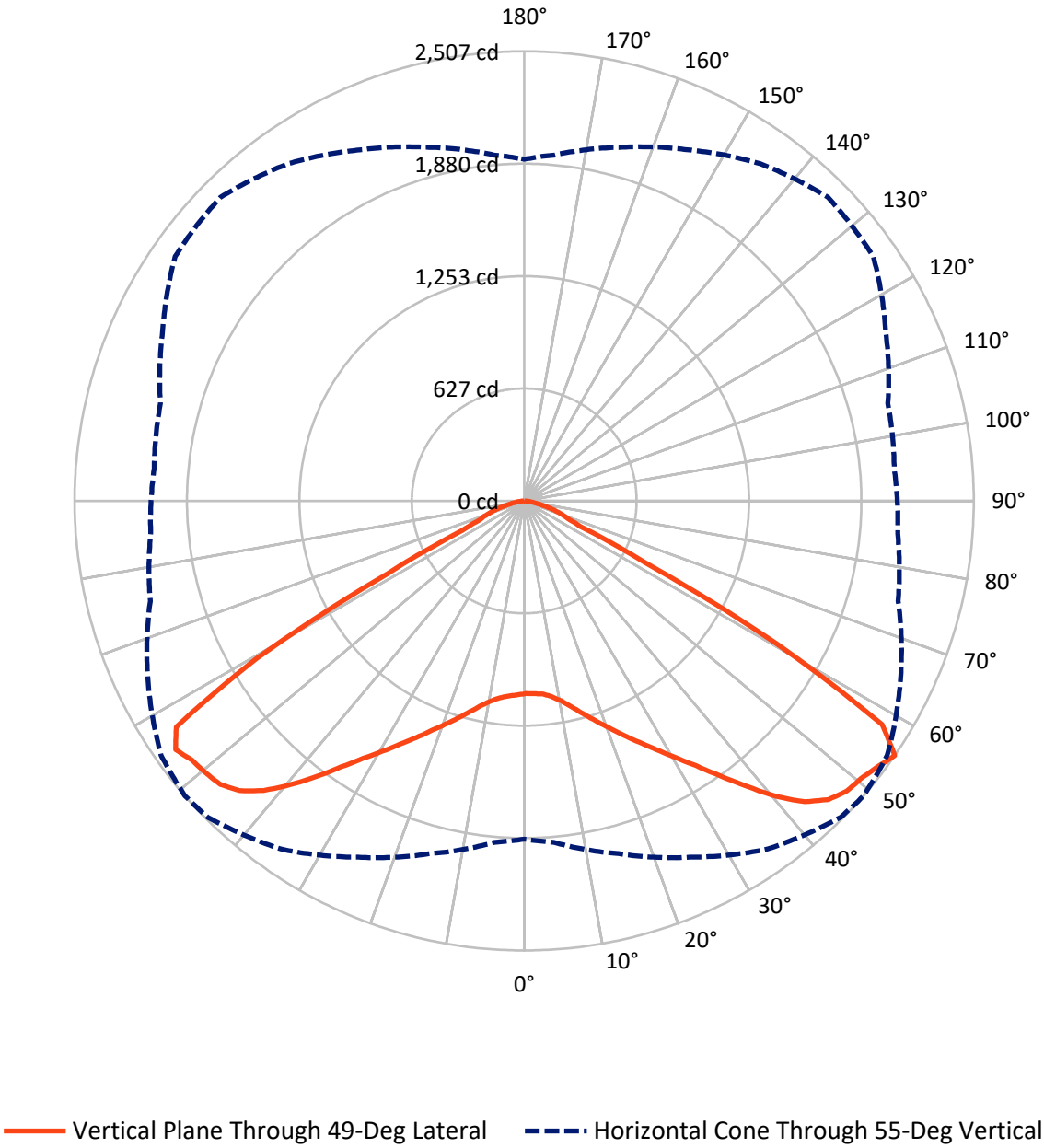
Luminous Intensity Polar Plot



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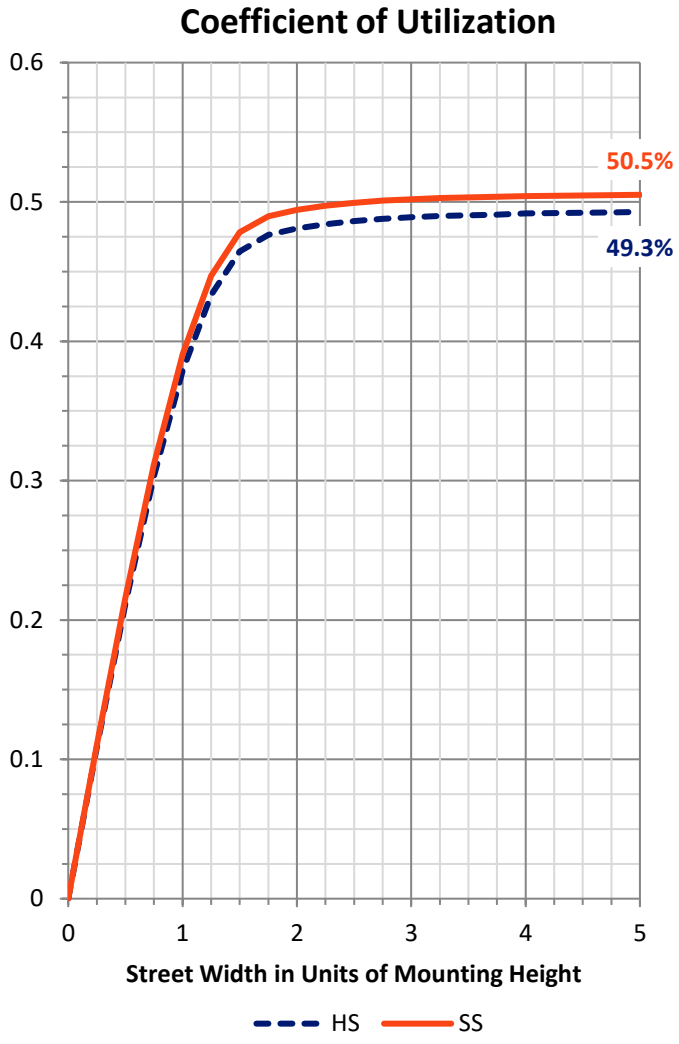
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3208.9	0.0	3208.9
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3272.4	0.0	3272.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	6481.3	0.0	6481.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	1.6
10°-20°	345.5	5.3
20°-30°	658.0	10.2
30°-40°	1115.5	17.2
40°-50°	1678.7	25.9
50°-60°	1837.5	28.4
60°-70°	581.0	9.0
70°-80°	139.4	2.2
80°-90°	20.9	0.3
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°	6481.3	100.0
0°-180°	6481.3	100.0



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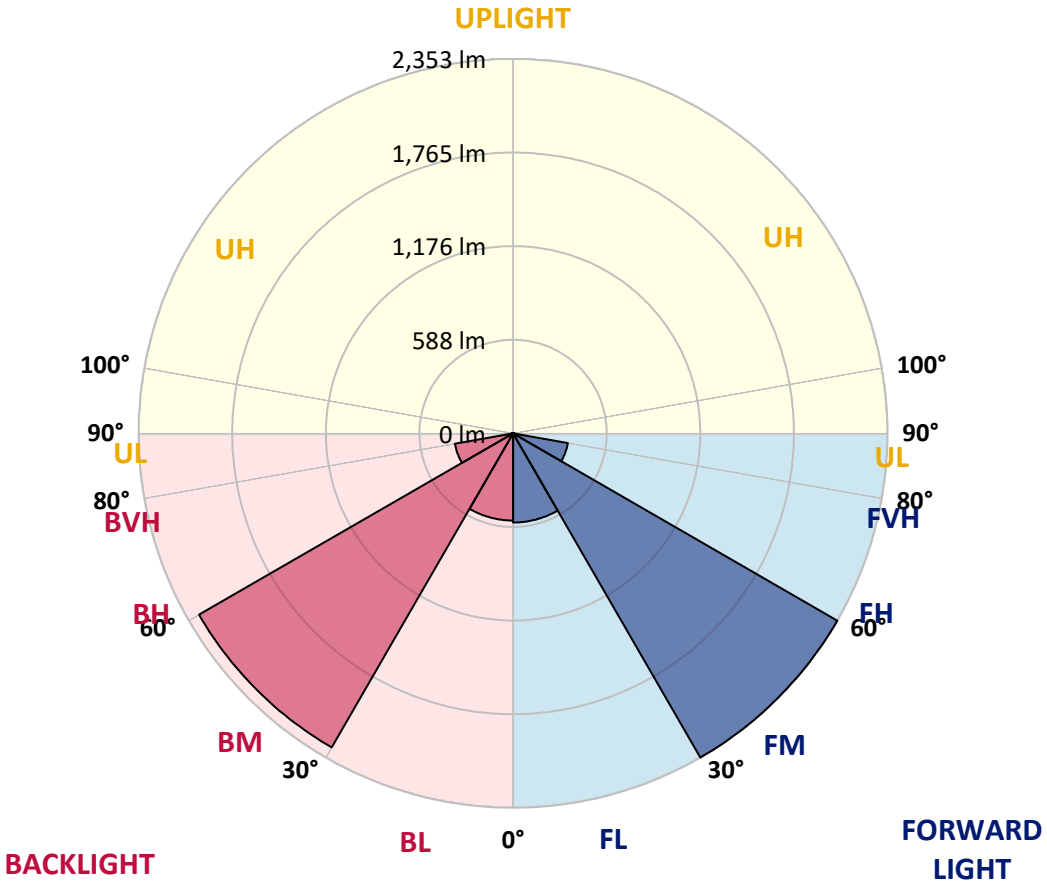
REPORT NUMBER: P632527
CATALOG NUMBER: GWS-SA2C-830-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	560.4	8.6			
FM	(30°-60°)	2352.9	36.3			
FH	(60°-80°)	349.5	5.4			G0/660
FVH	(80°-90°)	9.7	0.1			G0/10
BL	(0°-30°)	547.8	8.5	B2/1000		
BM	(30°-60°)	2278.8	35.2	B2/2500		
BH	(60°-80°)	371.0	5.7	B1/500		G0/660
BVH	(80°-90°)	11.2	0.2			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 V Short



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REPORT NUMBER: P632527
CATALOG NUMBER: GWS-SA2C-830-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	*1073.7*	1073.7	1073.7	1073.7	1073.7
2.5°	1057.9	1058.9	1061.0	1064.7	1068.4	1073.7	*1075.8*	1078.4	1077.9	1081.0	1081.0
5°	1052.6	1054.2	1057.3	1062.6	1068.9	1078.9	*1081.6*	1087.9	1094.2	1102.1	1104.8
7.5°	1058.9	1061.0	1064.7	1073.1	1082.6	1095.8	*1101.1*	1111.6	1123.7	1138.0	1143.8
10°	1071.0	1073.7	1080.0	1093.7	1109.0	1129.0	*1133.8*	1146.9	1166.4	1185.9	1197.5
12.5°	1084.7	1089.0	1100.5	1122.2	1144.8	1171.2	*1178.6*	1194.9	1216.0	1241.3	1257.1
15°	1100.5	1104.2	1122.2	1152.7	1188.0	1222.8	*1231.3*	1247.1	1270.8	1295.6	1317.7
17.5°	1133.8	1140.1	1161.2	1196.5	1237.6	1278.7	*1288.2*	1306.1	1325.1	1344.6	1365.7
20°	1179.1	1184.4	1211.2	1255.0	1303.5	1340.9	*1350.4*	1366.2	1375.2	1385.2	1403.1
22.5°	1224.4	1231.8	1262.4	1314.0	1370.9	1411.5	*1418.9*	1433.7	1427.3	1424.2	1435.8
25°	1280.8	1290.8	1320.9	1377.3	1435.2	1485.3	*1491.1*	1503.8	1493.2	1476.9	1476.4
27.5°	1350.9	1359.9	1391.0	1448.9	1506.4	1558.6	*1569.7*	1586.5	1563.3	1543.3	1529.1
30°	1434.2	1440.0	1474.2	1535.9	1595.0	1644.5	*1658.7*	1675.6	1658.2	1625.0	1610.8
32.5°	1531.2	1539.1	1578.6	1643.4	1696.2	1745.7	*1759.9*	1781.0	1762.0	1724.6	1706.7
35°	1647.7	1655.6	1697.2	1767.8	1821.6	1872.7	*1882.7*	1900.1	1876.4	1833.2	1819.0
37.5°	1774.2	1784.2	1836.9	1903.8	1960.2	2019.8	*2020.3*	2025.6	1991.8	1938.1	1922.3
40°	1916.5	1929.6	1982.4	2051.9	2119.9	2168.4	*2167.9*	2153.1	2096.2	2012.9	1988.7
42.5°	2057.2	2067.7	2121.0	2192.7	2260.7	2306.5	*2292.8*	2257.0	2174.7	2061.4	2029.3
45°	2158.9	2166.8	2222.7	2303.3	2372.4	2400.9	*2376.1*	2332.9	2221.7	2092.0	2044.6
47.5°	2206.9	2217.4	2273.8	2353.9	2432.0	2448.3	*2418.8*	2378.2	2249.1	2120.5	2056.7
50°	2181.1	2194.8	2258.5	2332.9	2420.9	2454.6	*2433.5*	2393.0	2278.0	2148.4	2078.3
52.5°	2114.1	2127.3	2207.9	2298.1	2397.7	2464.6	*2464.1*	2430.9	2311.3	2156.3	2079.3
55°	*1885.4*	*1911.2*	*2036.6*	*2192.1*	*2369.2*	*2494.2*	*2506.8*	*2471.5*	*2316.5*	*2158.4*	*2090.4*
57.5°	1227.0	1272.4	1391.5	1593.9	1949.2	2268.6	*2353.9*	2362.4	2278.6	2149.4	2092.5
60°	512.3	548.7	643.0	777.4	1071.0	1451.1	*1616.6*	1782.6	1982.9	2055.6	2073.0
62.5°	318.4	321.5	331.0	361.6	459.6	645.1	*751.6*	907.1	1204.9	1458.4	1575.4
65°	287.3	288.8	290.9	288.8	293.6	316.2	*344.7*	399.0	520.2	646.2	795.9
67.5°	253.0	255.1	256.7	255.1	256.7	257.7	*260.9*	265.6	287.8	305.7	319.4
70°	204.5	207.7	210.3	209.3	215.6	215.6	*218.7*	222.4	233.5	246.7	256.2
72.5°	156.0	153.4	156.5	157.6	163.4	166.6	*171.3*	175.5	188.2	196.1	208.2
75°	101.2	98.6	103.3	105.9	113.8	118.1	*122.3*	126.5	135.5	140.7	152.3
77.5°	54.8	54.3	59.0	62.7	71.2	76.4	*79.6*	82.8	90.1	91.7	99.1
80°	31.6	31.6	34.8	37.4	42.7	48.5	*51.7*	54.3	59.6	61.1	64.3
82.5°	17.4	17.4	19.0	20.6	24.8	27.9	*30.6*	32.7	37.4	39.0	40.6
85°	8.4	7.9	9.0	10.0	11.6	13.2	*14.8*	15.8	19.5	20.6	22.7
87.5°	1.1	1.1	1.1	1.6	2.1	3.2	*3.7*	3.7	5.8	6.9	7.9
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: P632527
CATALOG NUMBER: GWS-SA2C-830-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7
2.5°	1084.2	1077.4	1081.6	1083.2	1083.2	1081.6	1074.7	1072.6	1069.4	1064.7	1064.7
5°	1108.5	1103.2	1104.2	1101.6	1095.3	1087.4	1074.7	1068.4	1063.1	1057.3	1056.8
7.5°	1150.1	1143.2	1142.2	1132.2	1115.3	1098.4	1079.5	1067.9	1060.0	1052.6	1052.1
10°	1204.4	1198.1	1190.2	1170.1	1145.3	1120.6	1094.7	1078.9	1067.3	1056.8	1056.3
12.5°	1265.0	1257.6	1242.9	1213.3	1182.2	1158.0	1128.5	1104.2	1086.8	1072.6	1070.0
15°	1330.9	1320.3	1295.0	1260.3	1229.7	1203.9	1172.2	1137.4	1111.1	1088.4	1085.8
17.5°	1381.5	1367.8	1340.4	1307.7	1282.4	1256.6	1215.5	1171.7	1133.8	1105.3	1101.1
20°	1416.3	1405.2	1374.1	1349.9	1335.1	1312.4	1264.5	1214.9	1172.2	1136.4	1134.3
22.5°	1448.4	1435.2	1404.7	1390.4	1390.4	1375.2	1329.3	1270.8	1220.7	1179.1	1173.8
25°	1484.8	1470.6	1447.4	1445.8	1453.2	1446.3	1391.0	1328.2	1269.7	1222.8	1214.4
27.5°	1535.4	1519.6	1505.9	1515.4	1525.9	1518.5	1456.9	1384.1	1322.4	1275.0	1267.6
30°	1616.0	1596.5	1583.9	1595.5	1616.0	1594.4	1527.5	1450.5	1388.3	1336.2	1332.5
32.5°	1709.9	1687.7	1674.5	1693.0	1711.4	1677.7	1611.3	1537.5	1472.1	1417.3	1411.0
35°	1822.7	1794.7	1775.2	1800.0	1819.0	1785.8	1719.9	1649.8	1577.0	1520.1	1511.7
37.5°	1922.8	1889.1	1875.9	1910.7	1936.0	1914.4	1842.7	1776.8	1697.2	1635.0	1631.3
40°	1995.5	1962.3	1952.8	2010.3	2054.6	2049.3	1985.0	1909.6	1834.8	1763.1	1756.2
42.5°	2027.2	2004.0	2006.1	2083.6	2152.1	2185.8	2128.4	2047.7	1975.5	1901.2	1896.4
45°	2034.0	2019.8	2036.6	2133.6	2223.8	2292.8	2243.8	2176.3	2094.6	2022.9	2020.8
47.5°	2041.4	2033.5	2059.3	2162.1	2269.1	2349.2	2321.8	2252.2	2169.5	2099.4	2094.1
50°	2058.8	2055.6	2084.6	2182.1	2290.7	2364.5	2333.4	2264.3	2179.5	2110.4	2097.8
52.5°	2064.1	2058.8	2100.4	2213.2	2326.5	2364.0	2297.0	2206.9	2121.5	2044.6	2031.4
55°	*2080.4*	*2070.9*	*2099.4*	*2224.8*	*2376.1*	*2394.5*	*2294.9*	*2160.0*	*2040.9*	*1936.0*	*1904.9*
57.5°	2084.6	2074.1	2092.5	2205.8	2322.3	2306.0	2017.1	1743.1	1518.5	1402.0	1415.2
60°	2061.9	2065.1	2033.5	2020.8	1862.7	1644.5	1235.0	987.2	775.3	685.7	705.2
62.5°	1569.7	1582.8	1474.8	1282.4	986.2	781.7	517.1	401.6	340.0	324.2	326.8
65°	792.2	810.1	697.9	577.2	429.0	346.8	299.9	290.4	287.3	283.6	283.6
67.5°	313.6	318.9	314.7	294.6	274.1	266.7	264.6	263.5	259.9	257.7	258.3
70°	251.9	256.2	249.8	237.2	228.8	228.2	227.2	225.1	222.4	222.4	224.0
72.5°	205.6	209.8	200.8	192.9	186.6	181.8	179.2	177.6	173.9	173.9	175.5
75°	151.3	153.9	146.5	145.5	138.6	133.9	129.7	127.6	122.8	120.7	122.3
77.5°	100.7	100.1	96.5	96.5	93.8	88.0	83.3	78.5	72.2	68.0	69.0
80°	65.4	65.4	63.8	63.8	61.1	56.4	50.6	45.9	42.2	39.0	39.0
82.5°	41.6	41.1	40.6	40.1	39.0	34.3	30.0	26.9	24.2	22.1	22.7
85°	23.2	23.2	22.1	22.1	20.0	17.4	15.3	13.2	11.6	11.1	11.1
87.5°	7.9	7.9	7.4	7.4	6.3	4.7	3.7	3.2	2.6	2.1	2.6
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

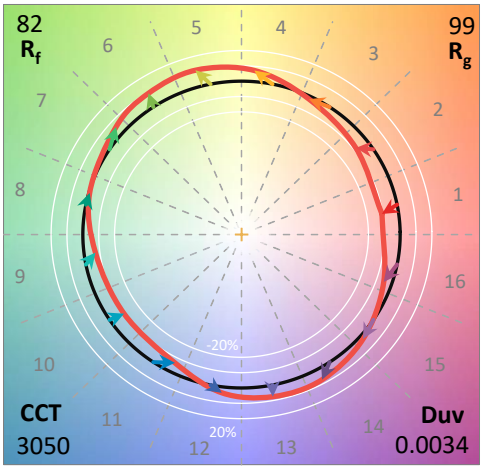
Test Information

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

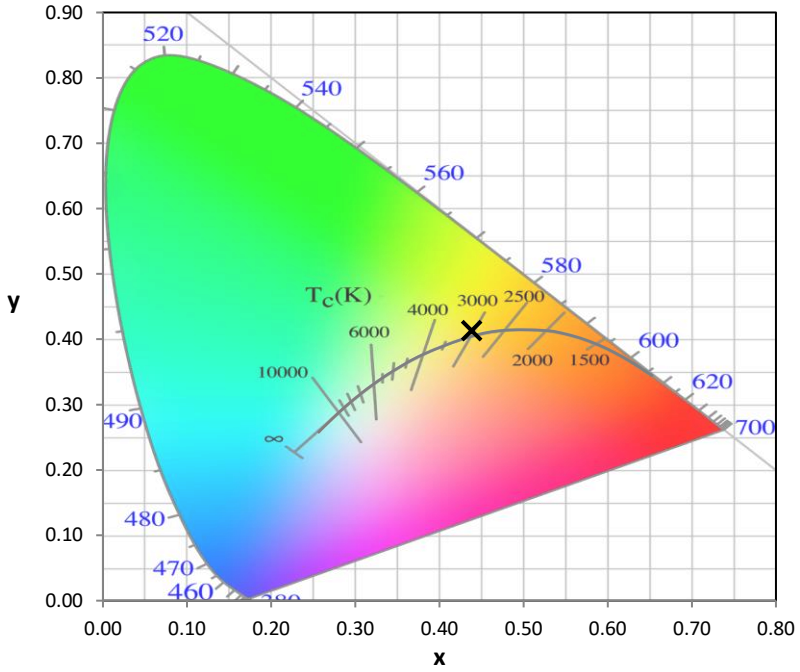
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

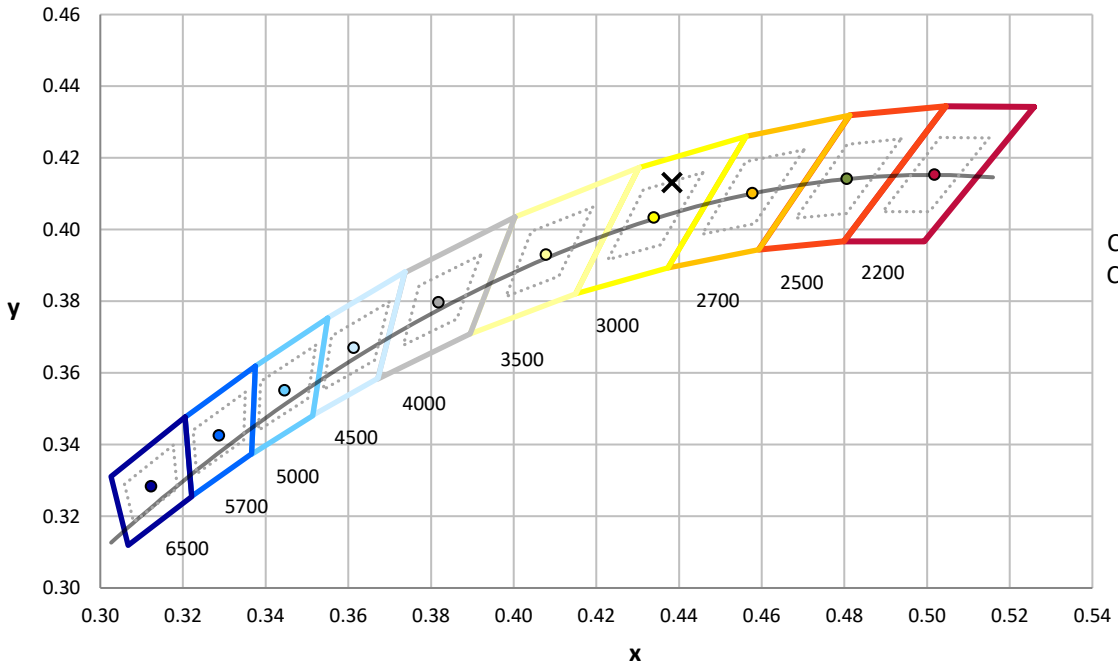
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

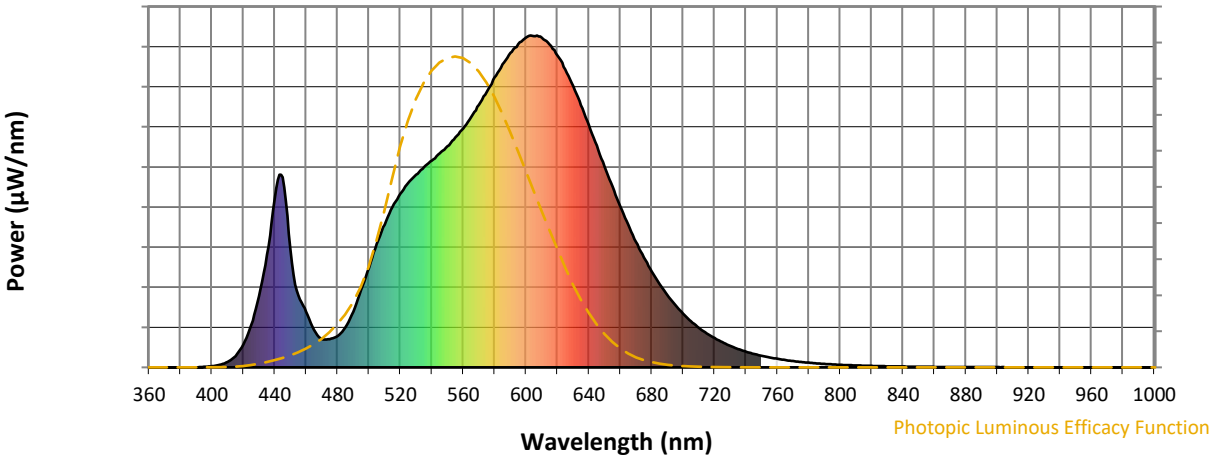


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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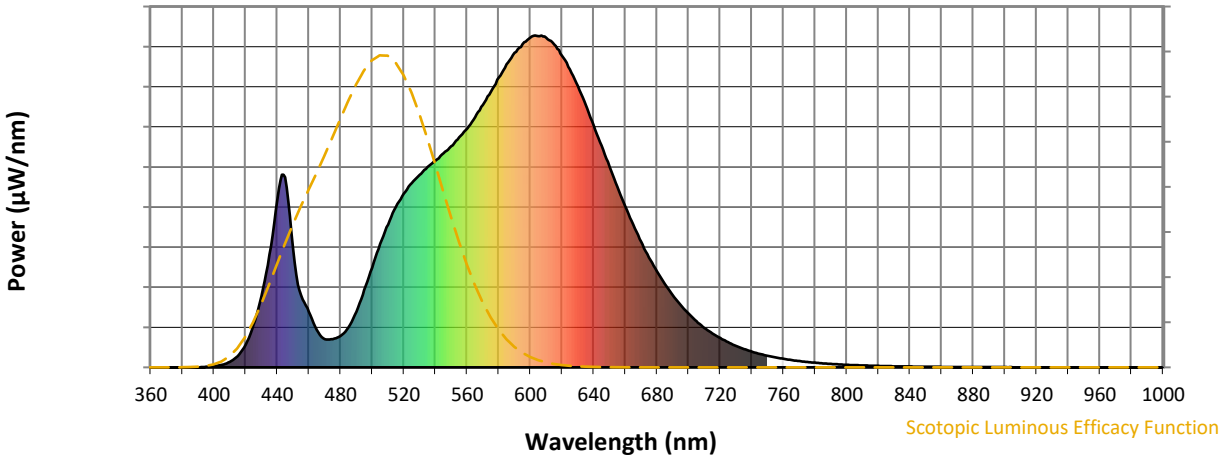
Scotopic Flux vs. Wavelength



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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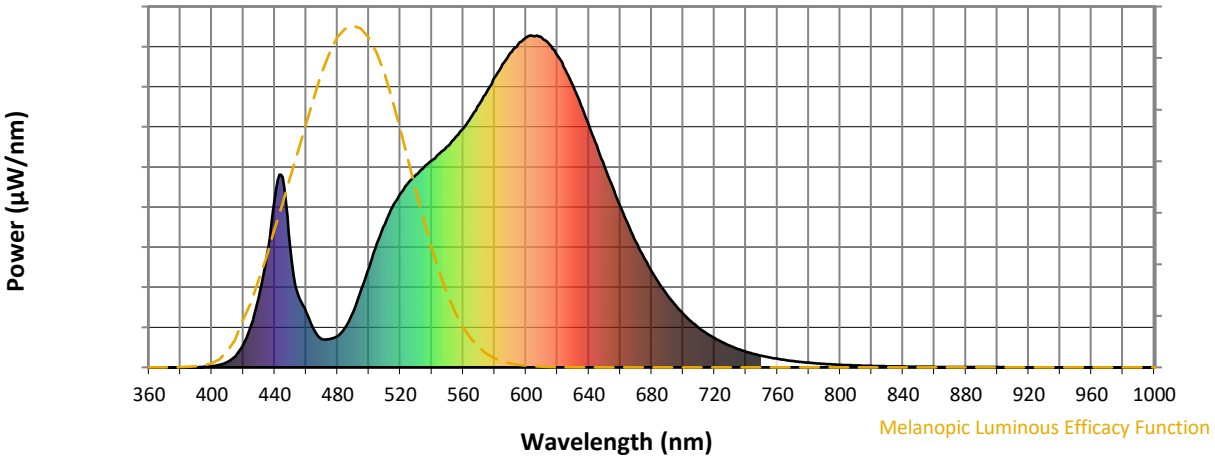
Melanopic Flux vs. Wavelength



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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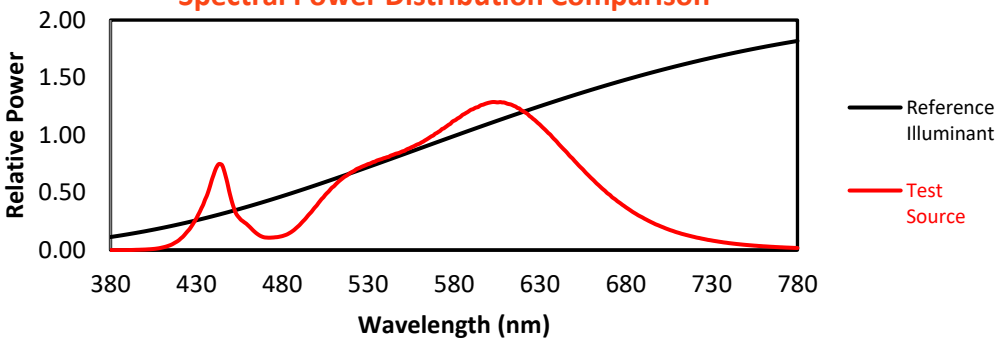
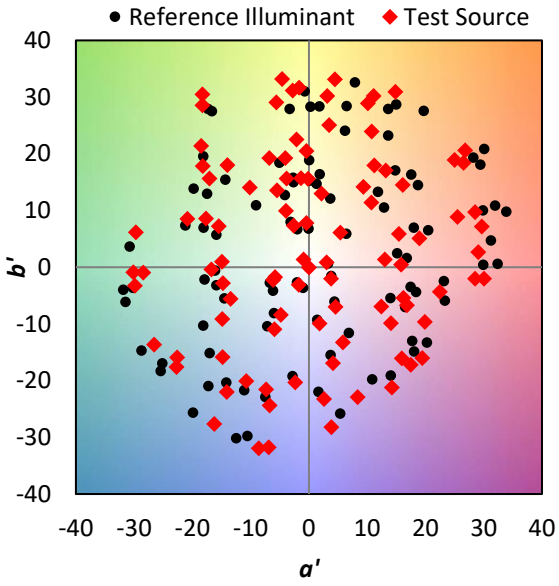
Summary

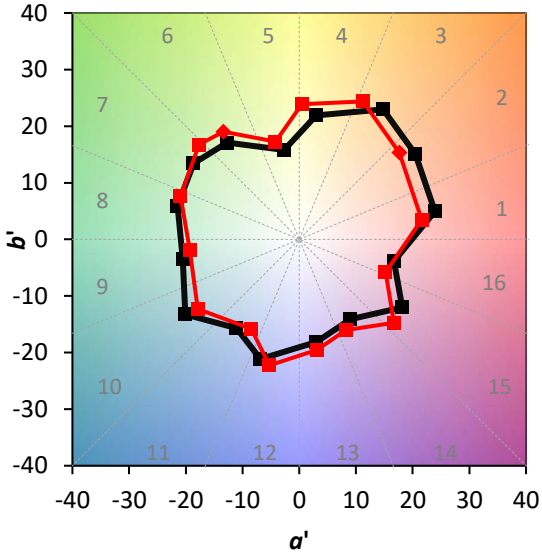
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

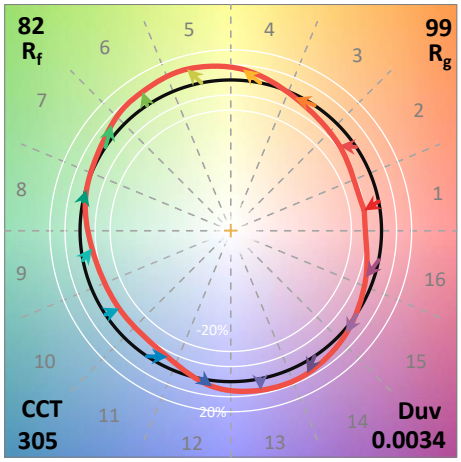
Spectral Power Distribution Comparison

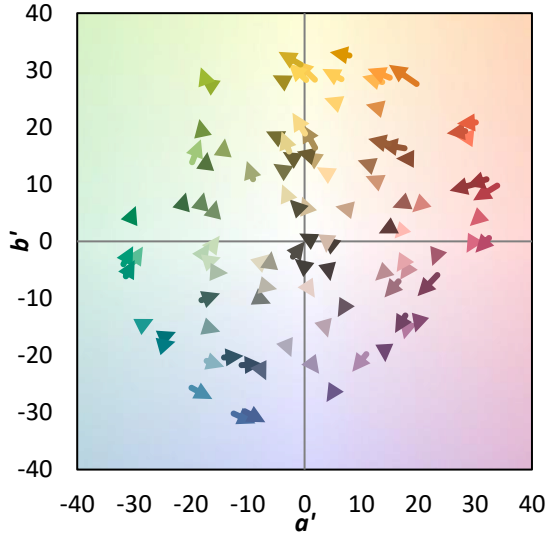


Color Vector Graphics









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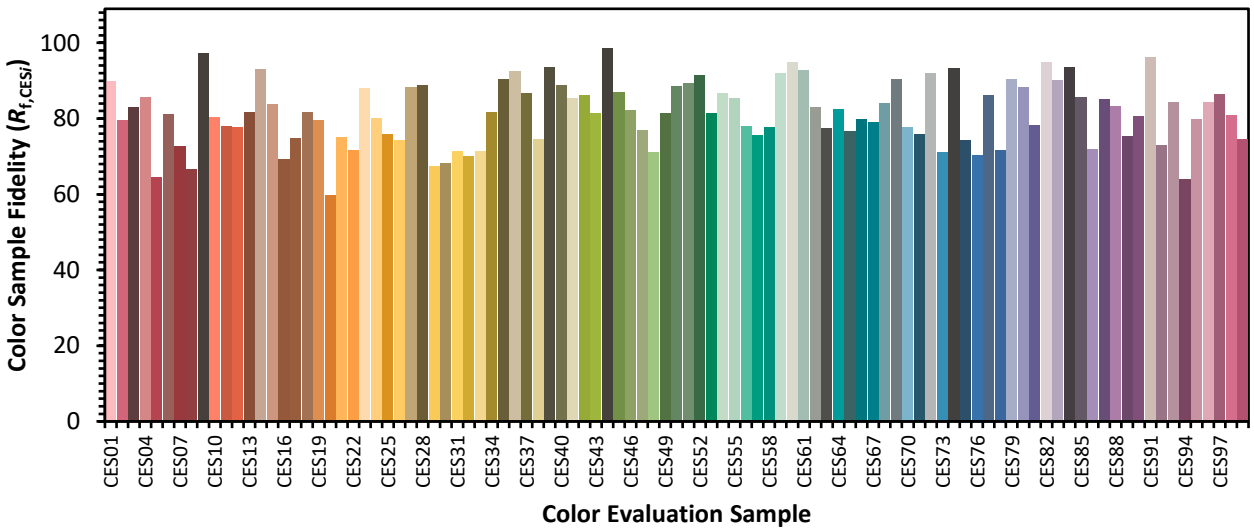
Individual Sample Fidelity Index ($R_{f,i}$)

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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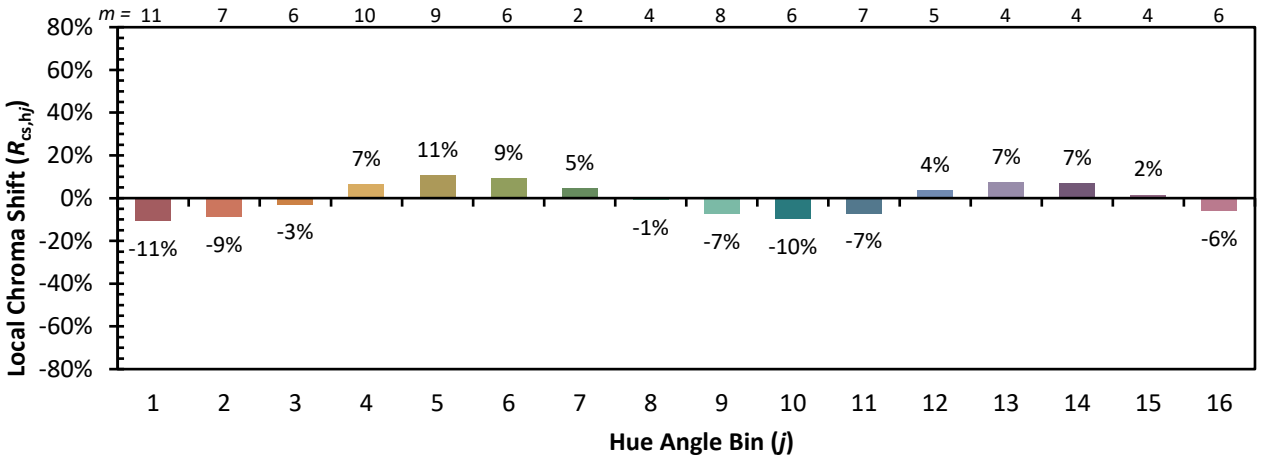
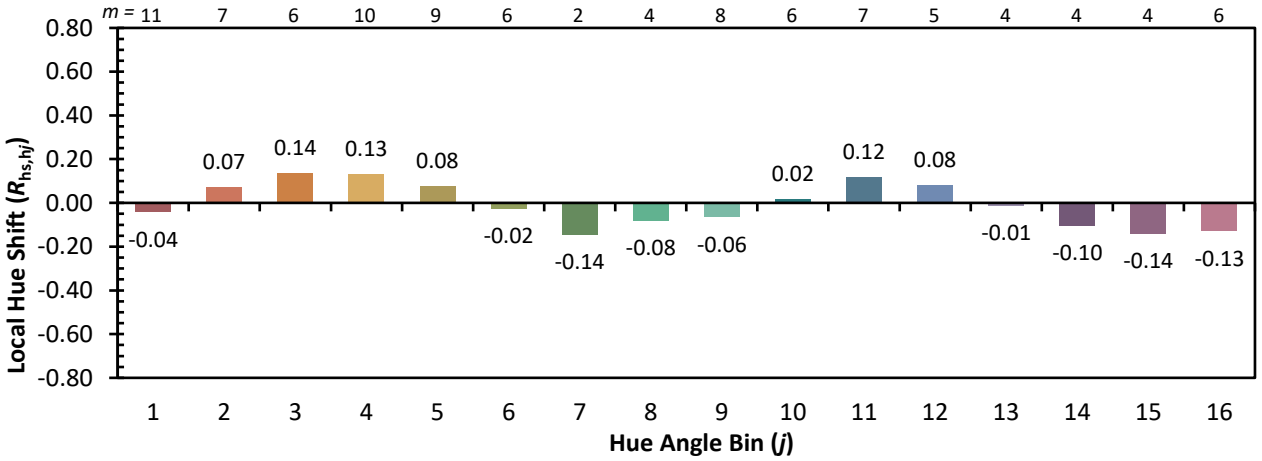
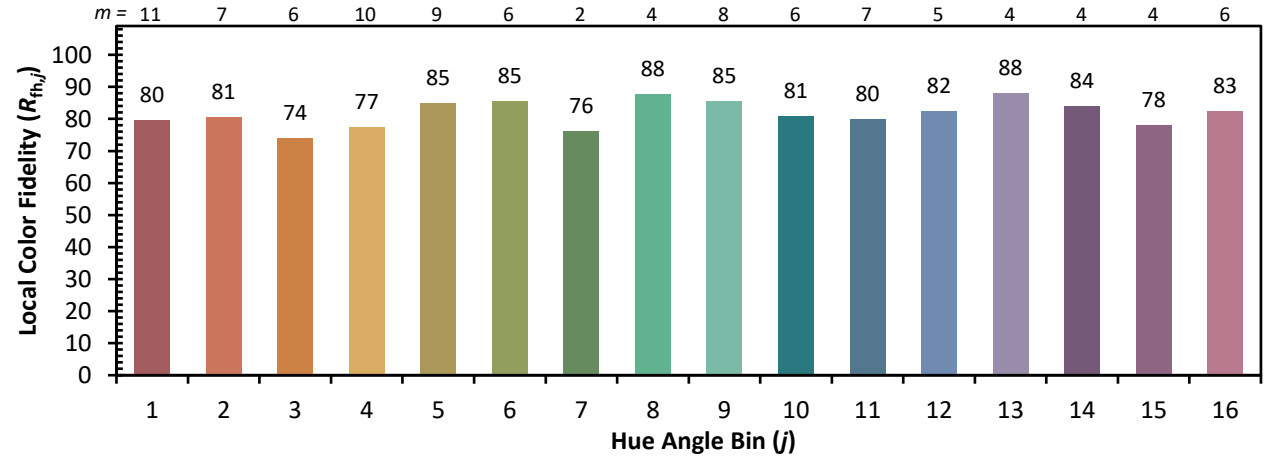
Color Rendition by Hue-Angle Bin







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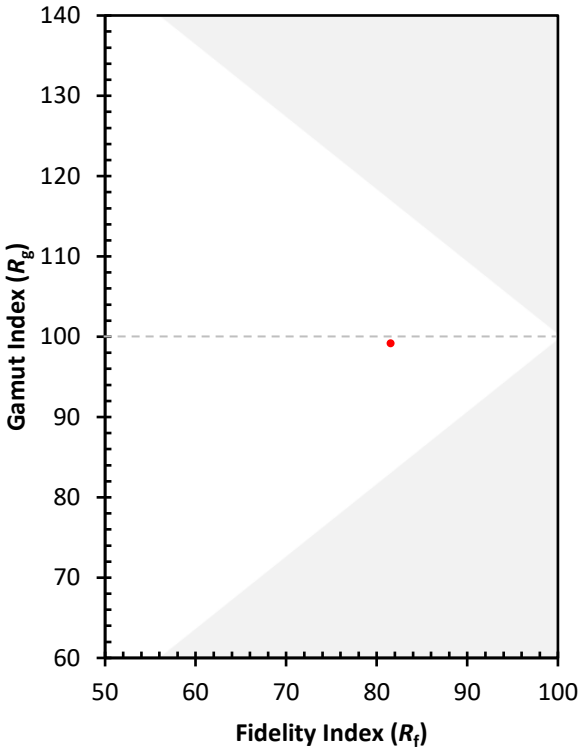
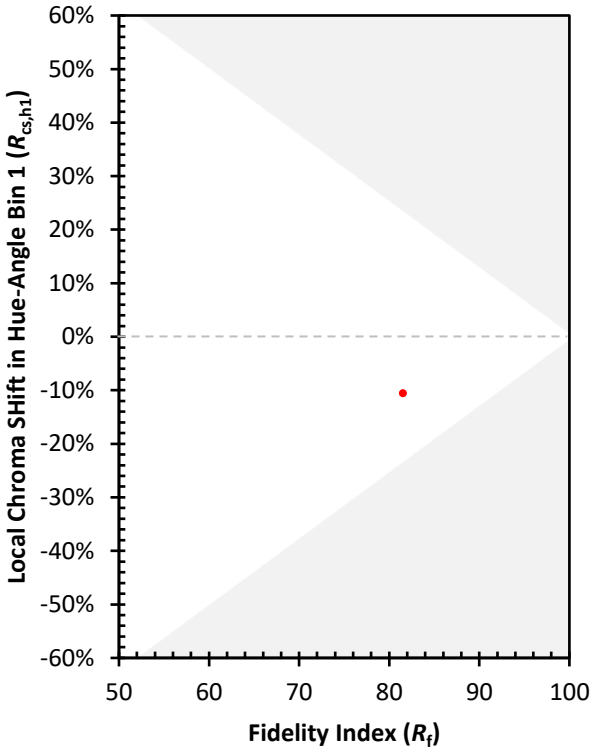
Measure Comparisons





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