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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1203865

Luminaire Tested: GWC-SB2D-830-U-SLR

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203865
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-830-U-SLR
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOF RIGHT OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18216 lumens
Efficiency:	N/A
Efficacy:	123.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

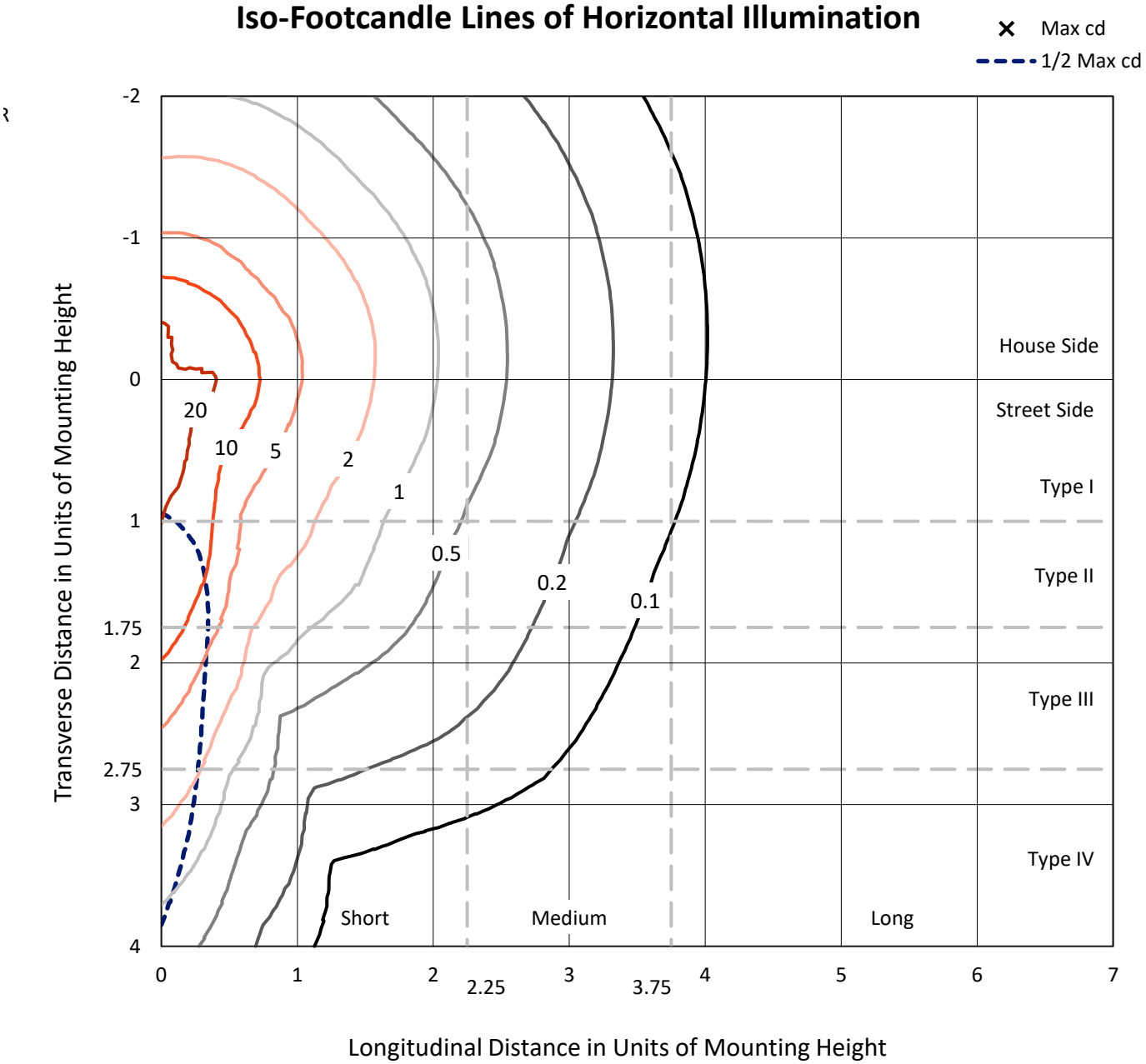


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Iso-Footcandle Lines of Horizontal Illumination



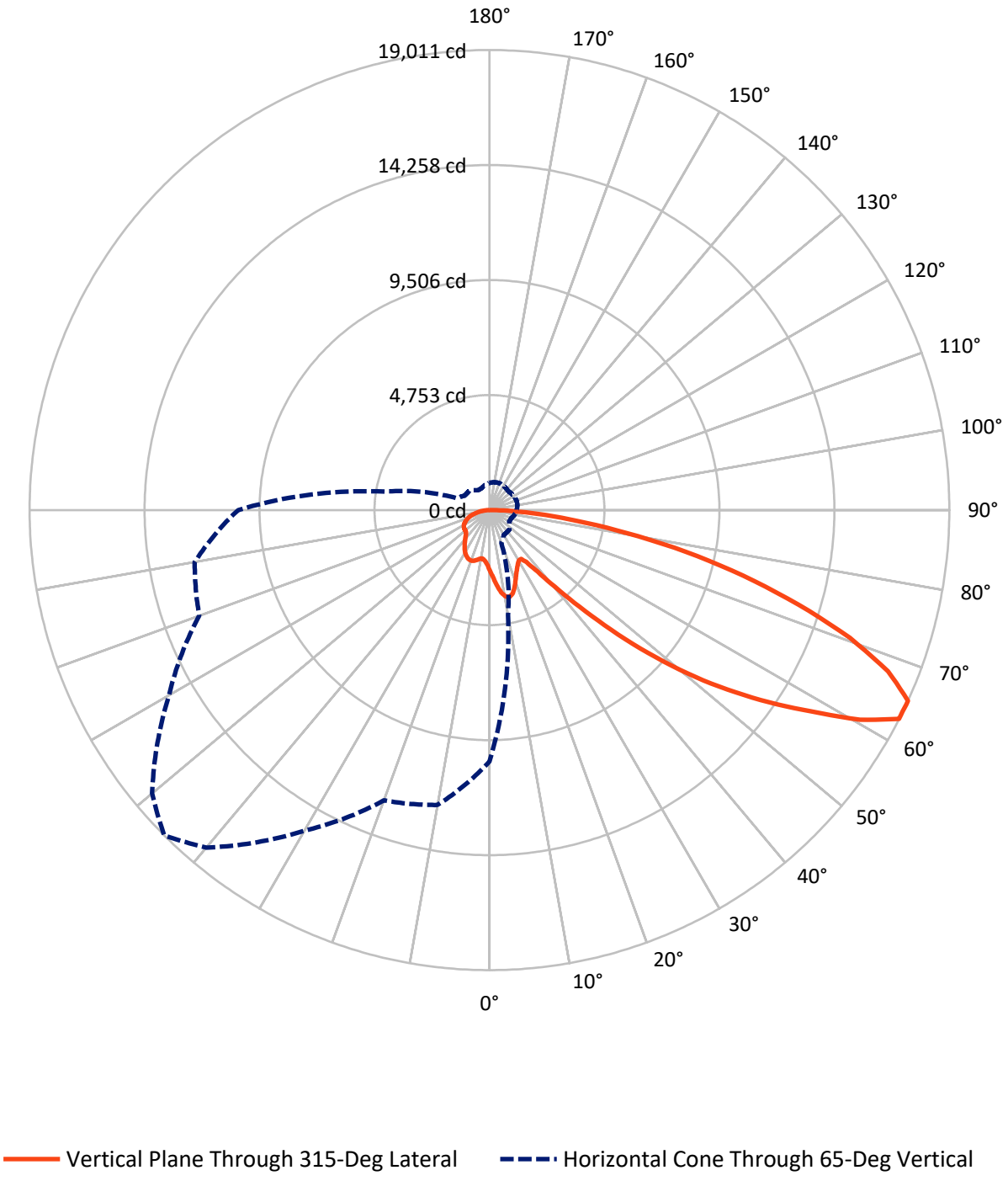
Based on 10 foot mounting height. Maximum calculated value = 26.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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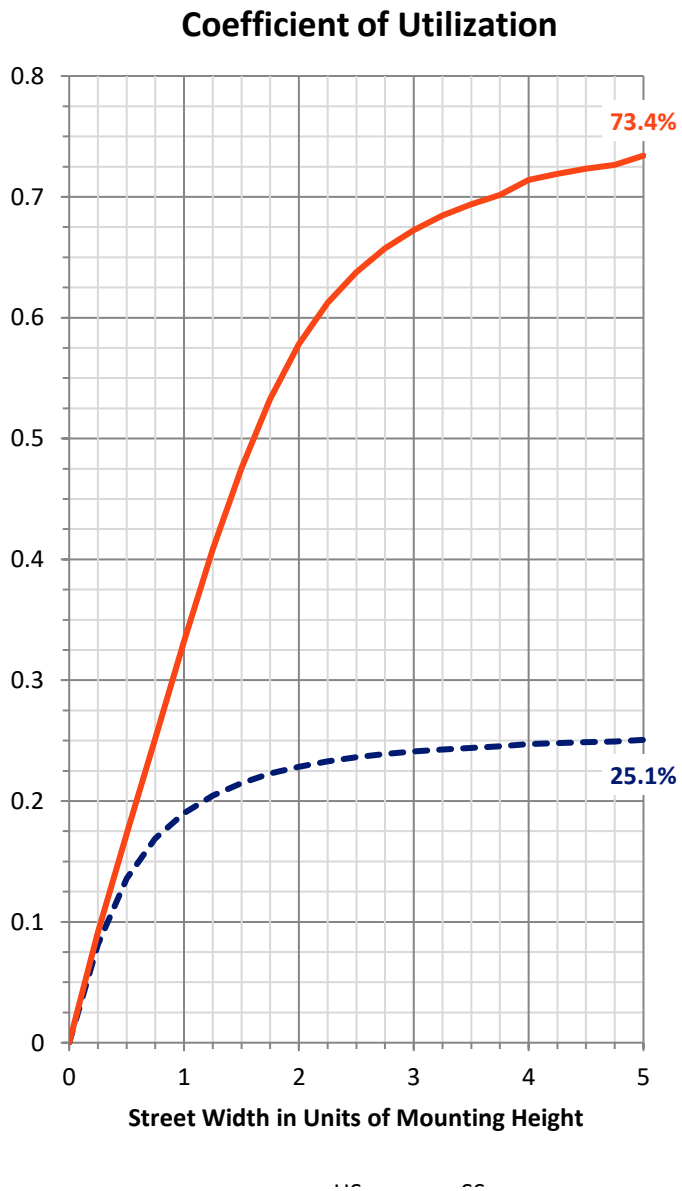
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4629.6	0.0	4629.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13586.4	0.0	13586.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	18216.0	0.0	18216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	1.4
10°-20°	780.0	4.3
20°-30°	1204.9	6.6
30°-40°	1526.9	8.4
40°-50°	2302.9	12.6
50°-60°	3720.7	20.4
60°-70°	4638.5	25.5
70°-80°	3041.7	16.7
80°-90°	752.0	4.1
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°	18216.0	100.0
0°-180°	18216.0	100.0



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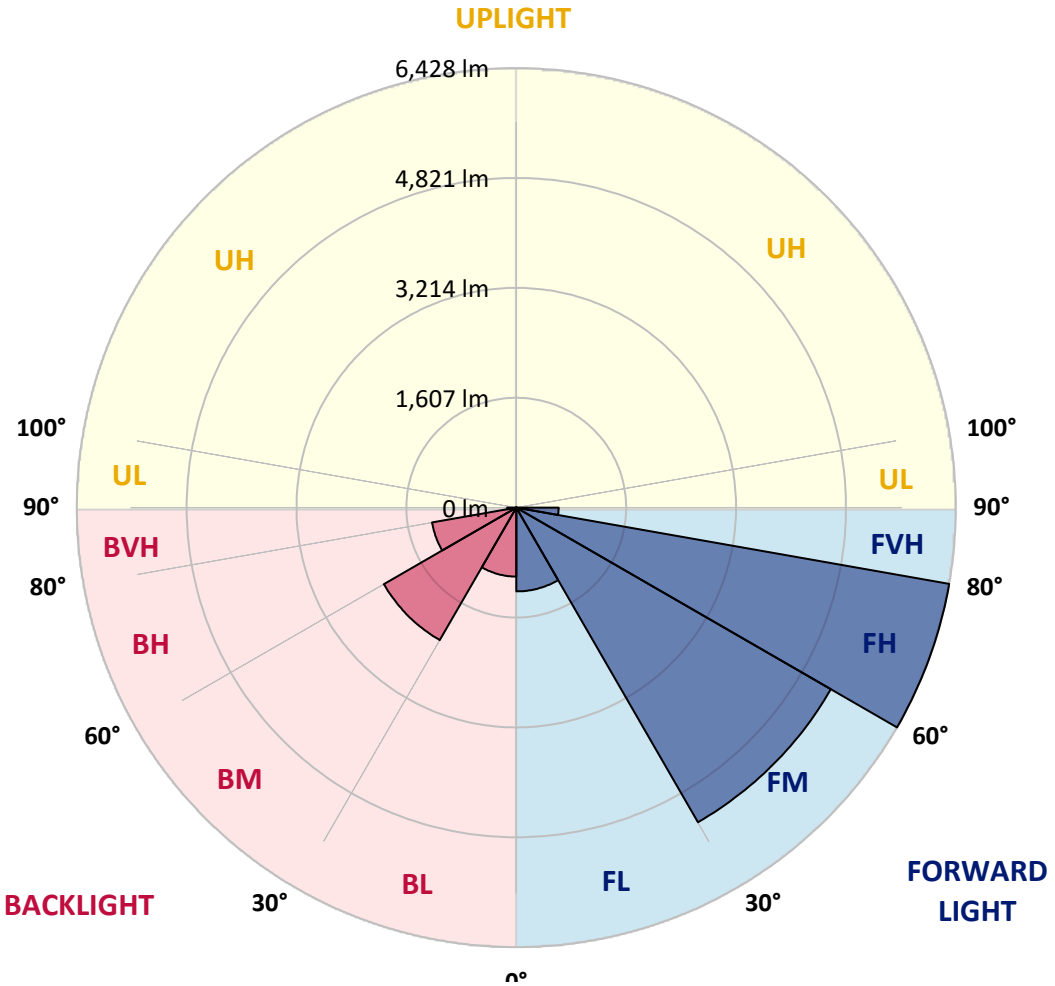
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1225.2	6.7			
FM	(30°-60°)	5313.2	29.2			
FH	(60°-80°)	6428.5	35.3			G3/7500
FVH	(80°-90°)	619.5	3.4			G4/750
BL	(0°-30°)	1008.2	5.5	B3/2500		
BM	(30°-60°)	2237.3	12.3	B2/2500		
BH	(60°-80°)	1251.6	6.9	B3/2500		G3/2500
BVH	(80°-90°)	132.5	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9
2.5°	2693.7	2673.1	2652.4	2630.4	2608.5	2586.4	2564.3	2543.1	2522.0	2501.5	2478.7
5°	2896.5	2850.9	2805.2	2759.7	2714.2	2668.4	2622.6	2579.8	2537.1	2496.7	2456.8
7.5°	3100.3	3025.0	2949.7	2880.1	2810.5	2742.8	2675.0	2615.3	2555.6	2500.5	2448.9
10°	3256.5	3161.3	3066.0	2974.0	2882.1	2799.8	2717.5	2646.9	2576.2	2508.2	2452.8
12.5°	3352.1	3247.5	3142.9	3038.7	2934.5	2837.4	2740.3	2660.5	2580.6	2509.2	2457.6
15°	3410.3	3301.2	3192.1	3079.1	2966.0	2854.2	2742.5	2650.0	2557.5	2478.4	2437.1
17.5°	3443.0	3332.3	3221.7	3098.4	2975.1	2845.3	2715.5	2604.3	2493.1	2400.1	2374.6
20°	3479.0	3364.1	3249.0	3113.5	2978.0	2820.7	2663.5	2525.6	2387.8	2279.5	2272.7
22.5°	3520.8	3403.4	3285.8	3133.9	2981.8	2790.5	2599.2	2433.2	2267.3	2143.9	2157.1
25°	3574.7	3459.5	3344.5	3170.8	2997.0	2760.7	2524.6	2330.1	2135.8	2009.4	2044.9
27.5°	3647.7	3537.9	3428.1	3228.4	3028.7	2740.8	2453.0	2235.8	2018.7	1903.6	1946.9
30°	3746.2	3640.1	3534.1	3303.1	3072.2	2731.5	2390.7	2157.0	1923.3	1826.7	1860.7
32.5°	3862.5	3757.5	3652.5	3381.1	3109.6	2720.0	2330.1	2089.0	1847.9	1770.0	1785.1
35°	4003.8	3903.3	3802.7	3469.9	3137.1	2698.2	2259.6	2022.2	1784.9	1720.0	1713.8
37.5°	4241.7	4113.5	3985.3	3569.4	3153.5	2661.0	2168.6	1943.6	1718.6	1661.9	1639.0
40°	4601.2	4414.4	4227.5	3695.7	3163.8	2609.8	2056.0	1849.8	1643.6	1592.2	1557.1
42.5°	5078.0	4808.2	4538.5	3860.9	3183.3	2557.0	1930.8	1746.3	1561.7	1514.4	1470.1
45°	5666.7	5302.9	4939.1	4078.3	3217.6	2507.8	1798.2	1636.3	1474.5	1426.4	1383.6
47.5°	6403.0	5890.9	5378.8	4310.0	3241.1	2467.3	1693.4	1549.3	1405.3	1343.3	1306.4
50°	7368.0	6596.1	5824.0	4524.9	3225.7	2423.1	1620.4	1491.6	1362.8	1281.3	1238.5
52.5°	8475.8	7336.8	6197.7	4664.5	3131.1	2348.4	1565.8	1453.5	1341.3	1247.6	1187.8
55°	9655.1	7993.4	6331.8	4633.7	2935.5	2224.6	1513.7	1425.9	1338.2	1251.0	1160.9
57.5°	10727.8	8458.8	6189.9	4417.2	2644.7	2050.0	1455.2	1393.2	1331.2	1254.4	1144.8
60°	11376.1	8575.1	5774.1	4014.4	2254.8	1823.4	1392.0	1343.3	1294.5	1243.8	1129.6
62.5°	11046.9	8085.4	5123.9	3469.7	1815.5	1552.1	1288.8	1256.4	1224.1	1217.8	1111.9
65°	*10388.0*	*7392.5*	*4397.0*	*2913.9*	*1431.0*	*1308.1*	*1185.1*	*1169.9*	*1154.6*	*1155.3*	*1074.6*
67.5°	9505.2	6567.9	3630.6	2369.5	1108.4	1073.6	1038.6	1047.1	1055.6	1053.5	1008.1
70°	8444.5	5668.1	2891.7	1865.7	839.6	849.6	859.5	899.1	938.6	938.6	923.7
72.5°	7180.6	4692.7	2205.0	1426.3	647.6	677.7	707.9	764.0	820.1	829.5	829.7
75°	5581.6	3574.6	1567.5	1035.2	502.9	530.2	557.5	620.4	683.2	726.7	723.0
77.5°	3988.0	2501.9	1015.8	701.5	387.2	405.7	424.4	485.4	546.4	618.0	616.1
80°	2610.1	1611.9	613.7	452.0	290.3	298.0	305.7	357.4	409.0	494.5	494.2
82.5°	1517.2	932.9	348.7	278.0	207.4	208.8	210.3	248.4	286.4	359.5	363.5
85°	667.5	419.7	171.9	148.6	125.4	124.8	124.0	151.9	179.7	234.0	239.3
87.5°	206.7	137.4	68.2	61.6	55.0	54.3	53.6	65.0	76.4	99.0	105.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9
2.5°	2460.3	2441.9	2425.3	2408.7	2394.2	2379.7	2365.1	2350.6	2339.3	2328.0	2318.9
5°	2422.0	2387.1	2357.9	2328.8	2303.0	2277.2	2253.9	2230.4	2212.5	2194.4	2181.8
7.5°	2402.6	2356.4	2317.9	2279.5	2247.1	2214.6	2185.9	2157.4	2136.0	2114.6	2099.6
10°	2403.9	2355.1	2316.7	2278.2	2243.3	2208.3	2176.1	2143.9	2118.4	2092.7	2076.0
12.5°	2417.6	2377.8	2352.2	2326.8	2299.4	2272.1	2238.7	2205.4	2172.8	2140.1	2118.5
15°	2418.0	2398.9	2402.4	2405.9	2398.7	2391.6	2362.7	2333.8	2287.2	2240.7	2207.8
17.5°	2381.6	2388.6	2430.5	2472.4	2494.7	2516.9	2493.5	2470.3	2408.6	2347.0	2298.6
20°	2305.4	2338.1	2410.9	2483.7	2530.3	2576.9	2566.2	2555.3	2484.9	2414.5	2355.1
22.5°	2205.4	2253.8	2336.8	2420.1	2480.7	2541.4	2547.9	2554.4	2487.1	2419.8	2358.7
25°	2100.7	2156.4	2231.1	2305.9	2365.6	2425.3	2447.6	2469.8	2414.6	2359.5	2305.1
27.5°	2000.7	2054.5	2116.0	2177.3	2225.2	2273.0	2297.8	2322.7	2283.4	2244.2	2202.0
30°	1903.3	1946.2	1997.2	2048.1	2087.8	2127.6	2147.8	2168.0	2138.1	2108.1	2077.9
32.5°	1810.4	1835.7	1876.3	1917.1	1955.2	1993.3	2015.7	2038.2	2010.7	1983.1	1959.0
35°	1720.7	1727.7	1758.8	1789.7	1827.4	1865.2	1892.1	1919.0	1899.4	1879.9	1857.6
37.5°	1631.3	1623.6	1645.9	1668.1	1705.7	1743.4	1776.7	1809.9	1800.9	1791.8	1771.4
40°	1539.7	1522.3	1538.4	1554.4	1590.8	1627.1	1665.4	1703.7	1705.9	1708.0	1690.6
42.5°	1447.1	1424.0	1437.1	1450.2	1484.7	1519.2	1560.5	1601.8	1612.9	1623.9	1609.2
45°	1361.1	1338.7	1349.7	1360.9	1393.5	1426.2	1469.1	1511.9	1527.8	1543.7	1530.4
47.5°	1287.6	1268.8	1279.1	1289.4	1321.4	1353.4	1395.6	1437.9	1456.2	1474.5	1465.2
50°	1221.8	1205.1	1221.3	1237.5	1267.7	1297.8	1335.7	1373.5	1397.0	1420.4	1419.9
52.5°	1171.3	1154.9	1179.2	1203.4	1231.1	1258.7	1294.0	1329.3	1357.1	1384.9	1389.9
55°	1134.8	1108.7	1143.2	1177.6	1207.4	1237.2	1268.2	1299.0	1328.5	1358.0	1364.9
57.5°	1106.7	1068.6	1105.8	1142.9	1177.8	1212.8	1243.4	1274.1	1303.8	1333.4	1340.4
60°	1080.3	1030.9	1063.5	1095.9	1136.1	1176.3	1207.3	1238.5	1268.3	1298.1	1305.8
62.5°	1050.2	988.6	1009.2	1029.9	1076.7	1123.6	1156.8	1190.0	1217.2	1244.5	1251.9
65°	*1009.1*	*943.4*	*951.4*	*959.3*	*1009.4*	*1059.7*	*1091.4*	*1123.1*	*1147.2*	*1171.2*	*1178.8*
67.5°	953.5	898.9	896.4	893.9	940.2	986.7	1016.7	1046.7	1067.5	1088.3	1095.7
70°	884.9	846.0	837.4	828.7	869.5	910.2	936.2	962.1	980.9	999.6	1006.7
72.5°	803.1	776.4	763.8	751.2	783.3	815.3	838.7	862.2	880.5	898.9	907.4
75°	702.5	682.0	669.9	657.6	681.5	705.3	726.6	747.8	764.5	781.3	790.1
77.5°	599.7	583.2	570.9	558.6	578.1	597.4	615.6	633.9	651.5	669.0	677.3
80°	480.5	466.7	456.4	446.0	462.1	478.2	493.6	508.9	522.3	535.6	546.5
82.5°	356.8	350.1	342.8	335.5	334.1	332.8	327.4	322.0	350.4	378.9	397.5
85°	232.1	224.9	216.7	208.6	201.7	194.6	179.7	164.8	191.5	218.2	241.3
87.5°	102.8	100.0	98.4	96.9	96.6	96.3	85.0	73.5	84.7	95.9	105.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9
2.5°	2309.7	2302.6	2295.5	2289.0	2282.3	2274.2	2282.3	2289.0	2295.5	2302.6	2309.7
5°	2169.2	2160.3	2151.3	2144.5	2137.7	2131.0	2137.7	2144.5	2151.3	2160.3	2169.2
7.5°	2084.6	2074.3	2064.2	2058.0	2051.9	2047.3	2051.9	2058.0	2064.2	2074.3	2084.6
10°	2059.1	2049.3	2039.6	2034.5	2029.3	2027.1	2029.3	2034.5	2039.6	2049.3	2059.1
12.5°	2096.8	2086.0	2075.2	2070.8	2066.4	2065.6	2066.4	2070.8	2075.2	2086.0	2096.8
15°	2175.0	2159.9	2144.9	2139.1	2133.4	2132.9	2133.4	2139.1	2144.9	2159.9	2175.0
17.5°	2250.1	2227.8	2205.4	2198.1	2190.7	2189.6	2190.7	2198.1	2205.4	2227.8	2250.1
20°	2295.8	2267.3	2238.6	2229.5	2220.3	2217.5	2220.3	2229.5	2238.6	2267.3	2295.8
22.5°	2297.4	2267.3	2237.2	2227.1	2217.0	2212.7	2217.0	2227.1	2237.2	2267.3	2297.4
25°	2250.9	2224.8	2198.7	2189.2	2179.8	2174.2	2179.8	2189.2	2198.7	2224.8	2250.9
27.5°	2159.8	2142.3	2124.7	2120.4	2116.1	2114.6	2116.1	2120.4	2124.7	2142.3	2159.8
30°	2047.5	2038.6	2029.5	2029.5	2029.5	2031.0	2029.5	2029.5	2029.5	2038.6	2047.5
32.5°	1934.9	1929.0	1923.1	1923.9	1924.8	1926.2	1924.8	1923.9	1923.1	1929.0	1934.9
35°	1835.4	1826.5	1817.6	1815.7	1813.8	1812.8	1813.8	1815.7	1817.6	1826.5	1835.4
37.5°	1750.8	1734.6	1718.4	1709.9	1701.3	1696.5	1701.3	1709.9	1718.4	1734.6	1750.8
40°	1673.2	1649.6	1626.1	1610.2	1594.4	1585.0	1594.4	1610.2	1626.1	1649.6	1673.2
42.5°	1594.6	1565.3	1536.0	1512.8	1489.6	1474.5	1489.6	1512.8	1536.0	1565.3	1594.6
45°	1517.2	1483.7	1450.2	1423.0	1395.8	1378.3	1395.8	1423.0	1450.2	1483.7	1517.2
47.5°	1456.0	1426.2	1396.4	1371.2	1346.1	1329.3	1346.1	1371.2	1396.4	1426.2	1456.0
50°	1419.5	1395.6	1371.8	1348.5	1325.3	1309.1	1325.3	1348.5	1371.8	1395.6	1419.5
52.5°	1394.9	1375.5	1356.0	1335.2	1314.4	1299.5	1314.4	1335.2	1356.0	1375.5	1394.9
55°	1371.8	1354.9	1338.0	1319.7	1301.4	1288.0	1301.4	1319.7	1338.0	1354.9	1371.8
57.5°	1347.4	1330.3	1313.2	1295.1	1276.9	1263.0	1276.9	1295.1	1313.2	1330.3	1347.4
60°	1313.5	1296.7	1280.1	1261.5	1242.8	1228.4	1242.8	1261.5	1280.1	1296.7	1313.5
62.5°	1259.3	1244.3	1229.2	1209.6	1190.0	1172.6	1190.0	1209.6	1229.2	1244.3	1259.3
65°	*1186.3*	*1171.8*	*1157.3*	*1138.2*	*1119.3*	*1104.4*	*1119.3*	*1138.2*	*1157.3*	*1171.8*	*1186.3*
67.5°	1103.0	1089.6	1076.3	1058.7	1041.0	1027.5	1041.0	1058.7	1076.3	1089.6	1103.0
70°	1013.9	1003.0	992.1	975.2	958.3	942.9	958.3	975.2	992.1	1003.0	1013.9
72.5°	915.8	906.8	897.7	881.6	865.6	850.7	865.6	881.6	897.7	906.8	915.8
75°	798.9	794.5	790.1	776.5	763.0	748.8	763.0	776.5	790.1	794.5	798.9
77.5°	685.5	679.4	673.0	659.4	645.7	634.4	645.7	659.4	673.0	679.4	685.5
80°	557.5	554.8	552.2	533.8	515.4	494.1	515.4	533.8	552.2	554.8	557.5
82.5°	416.2	415.0	413.8	398.3	382.7	369.1	382.7	398.3	413.8	415.0	416.2
85°	264.3	262.4	260.5	248.4	236.3	224.0	236.3	248.4	260.5	262.4	264.3
87.5°	114.6	112.3	109.8	103.6	97.3	91.3	97.3	103.6	109.8	112.3	114.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1203865
CATALOG NUMBER: GWC-SB2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9
2.5°	2318.9	2328.0	2339.3	2350.6	2365.1	2379.7	2394.2	2408.7	2425.3	2441.9	2460.3
5°	2181.8	2194.4	2212.5	2230.4	2253.9	2277.2	2303.0	2328.8	2357.9	2387.1	2422.0
7.5°	2099.6	2114.6	2136.0	2157.4	2185.9	2214.6	2247.1	2279.5	2317.9	2356.4	2402.6
10°	2076.0	2092.7	2118.4	2143.9	2176.1	2208.3	2243.3	2278.2	2316.7	2355.1	2403.9
12.5°	2118.5	2140.1	2172.8	2205.4	2238.7	2272.1	2299.4	2326.8	2352.2	2377.8	2417.6
15°	2207.8	2240.7	2287.2	2333.8	2362.7	2391.6	2398.7	2405.9	2402.4	2398.9	2418.0
17.5°	2298.6	2347.0	2408.6	2470.3	2493.5	2516.9	2494.7	2472.4	2430.5	2388.6	2381.6
20°	2355.1	2414.5	2484.9	2555.3	2566.2	2576.9	2530.3	2483.7	2410.9	2338.1	2305.4
22.5°	2358.7	2419.8	2487.1	2554.4	2547.9	2541.4	2480.7	2420.1	2336.8	2253.8	2205.4
25°	2305.1	2359.5	2414.6	2469.8	2447.6	2425.3	2365.6	2305.9	2231.1	2156.4	2100.7
27.5°	2202.0	2244.2	2283.4	2322.7	2297.8	2273.0	2225.2	2177.3	2116.0	2054.5	2000.7
30°	2077.9	2108.1	2138.1	2168.0	2147.8	2127.6	2087.8	2048.1	1997.2	1946.2	1903.3
32.5°	1959.0	1983.1	2010.7	2038.2	2015.7	1993.3	1955.2	1917.1	1876.3	1835.7	1810.4
35°	1857.6	1879.9	1899.4	1919.0	1892.1	1865.2	1827.4	1789.7	1758.8	1727.7	1720.7
37.5°	1771.4	1791.8	1800.9	1809.9	1776.7	1743.4	1705.7	1668.1	1645.9	1623.6	1631.3
40°	1690.6	1708.0	1705.9	1703.7	1665.4	1627.1	1590.8	1554.4	1538.4	1522.3	1539.7
42.5°	1609.2	1623.9	1612.9	1601.8	1560.5	1519.2	1484.7	1450.2	1437.1	1424.0	1447.1
45°	1530.4	1543.7	1527.8	1511.9	1469.1	1426.2	1393.5	1360.9	1349.7	1338.7	1361.1
47.5°	1465.2	1474.5	1456.2	1437.9	1395.6	1353.4	1321.4	1289.4	1279.1	1268.8	1287.6
50°	1419.9	1420.4	1397.0	1373.5	1335.7	1297.8	1267.7	1237.5	1221.3	1205.1	1221.8
52.5°	1389.9	1384.9	1357.1	1329.3	1294.0	1258.7	1231.1	1203.4	1179.2	1154.9	1171.3
55°	1364.9	1358.0	1328.5	1299.0	1268.2	1237.2	1207.4	1177.6	1143.2	1108.7	1134.8
57.5°	1340.4	1333.4	1303.8	1274.1	1243.4	1212.8	1177.8	1142.9	1105.8	1068.6	1106.7
60°	1305.8	1298.1	1268.3	1238.5	1207.3	1176.3	1136.1	1095.9	1063.5	1030.9	1080.3
62.5°	1251.9	1244.5	1217.2	1190.0	1156.8	1123.6	1076.7	1029.9	1009.2	988.6	1050.2
65°	*1178.8*	*1171.2*	*1147.2*	*1123.1*	*1091.4*	*1059.7*	*1009.4*	*959.3*	*951.4*	*943.4*	*1009.1*
67.5°	1095.7	1088.3	1067.5	1046.7	1016.7	986.7	940.2	893.9	896.4	898.9	953.5
70°	1006.7	999.6	980.9	962.1	936.2	910.2	869.5	828.7	837.4	846.0	884.9
72.5°	907.4	898.9	880.5	862.2	838.7	815.3	783.3	751.2	763.8	776.4	803.1
75°	790.1	781.3	764.5	747.8	726.6	705.3	681.5	657.6	669.9	682.0	702.5
77.5°	677.3	669.0	651.5	633.9	615.6	597.4	578.1	558.6	570.9	583.2	599.7
80°	546.5	535.6	522.3	508.9	493.6	478.2	462.1	446.0	456.4	466.7	480.5
82.5°	397.5	378.9	350.4	322.0	327.4	332.8	334.1	335.5	342.8	350.1	356.8
85°	241.3	218.2	191.5	164.8	179.7	194.6	201.7	208.6	216.7	224.9	232.1
87.5°	105.3	95.9	84.7	73.5	85.0	96.3	96.6	96.9	98.4	100.0	102.8
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9
2.5°	2478.7	2501.5	2522.0	2543.1	2564.3	2586.4	2608.5	2630.4	2652.4	2673.1	2693.7
5°	2456.8	2496.7	2537.1	2579.8	2622.6	2668.4	2714.2	2759.7	2805.2	2850.9	2896.5
7.5°	2448.9	2500.5	2555.6	2615.3	2675.0	2742.8	2810.5	2880.1	2949.7	3025.0	3100.3
10°	2452.8	2508.2	2576.2	2646.9	2717.5	2799.8	2882.1	2974.0	3066.0	3161.3	3256.5
12.5°	2457.6	2509.2	2580.6	2660.5	2740.3	2837.4	2934.5	3038.7	3142.9	3247.5	3352.1
15°	2437.1	2478.4	2557.5	2650.0	2742.5	2854.2	2966.0	3079.1	3192.1	3301.2	3410.3
17.5°	2374.6	2400.1	2493.1	2604.3	2715.5	2845.3	2975.1	3098.4	3221.7	3332.3	3443.0
20°	2272.7	2279.5	2387.8	2525.6	2663.5	2820.7	2978.0	3113.5	3249.0	3364.1	3479.0
22.5°	2157.1	2143.9	2267.3	2433.2	2599.2	2790.5	2981.8	3133.9	3285.8	3403.4	3520.8
25°	2044.9	2009.4	2135.8	2330.1	2524.6	2760.7	2997.0	3170.8	3344.5	3459.5	3574.7
27.5°	1946.9	1903.6	2018.7	2235.8	2453.0	2740.8	3028.7	3228.4	3428.1	3537.9	3647.7
30°	1860.7	1826.7	1923.3	2157.0	2390.7	2731.5	3072.2	3303.1	3534.1	3640.1	3746.2
32.5°	1785.1	1770.0	1847.9	2089.0	2330.1	2720.0	3109.6	3381.1	3652.5	3757.5	3862.5
35°	1713.8	1720.0	1784.9	2022.2	2259.6	2698.2	3137.1	3469.9	3802.7	3903.3	4003.8
37.5°	1639.0	1661.9	1718.6	1943.6	2168.6	2661.0	3153.5	3569.4	3985.3	4113.5	4241.7
40°	1557.1	1592.2	1643.6	1849.8	2056.0	2609.8	3163.8	3695.7	4227.5	4414.4	4601.2
42.5°	1470.1	1514.4	1561.7	1746.3	1930.8	2557.0	3183.3	3860.9	4538.5	4808.2	5078.0
45°	1383.6	1426.4	1474.5	1636.3	1798.2	2507.8	3217.6	4078.3	4939.1	5302.9	5666.7
47.5°	1306.4	1343.3	1405.3	1549.3	1693.4	2467.3	3241.1	4310.0	5378.8	5890.9	6403.0
50°	1238.5	1281.3	1362.8	1491.6	1620.4	2423.1	3225.7	4524.9	5824.0	6596.1	7368.0
52.5°	1187.8	1247.6	1341.3	1453.5	1565.8	2348.4	3131.1	4664.5	6197.7	7336.8	8475.8
55°	1160.9	1251.0	1338.2	1425.9	1513.7	2224.6	2935.5	4633.7	6331.8	7993.4	9655.1
57.5°	1144.8	1254.4	1331.2	1393.2	1455.2	2050.0	2644.7	4417.2	6189.9	8458.8	10727.8
60°	1129.6	1243.8	1294.5	1343.3	1392.0	1823.4	2254.8	4014.4	5774.1	8575.1	11376.1
62.5°	1111.9	1217.8	1224.1	1256.4	1288.8	1552.1	1815.5	3469.7	5123.9	8085.4	11046.9
65°	*1074.6*	*1155.3*	*1154.6*	*1169.9*	*1185.1*	*1308.1*	*1431.0*	*2913.9*	*4397.0*	*7392.5*	*10388.0*
67.5°	1008.1	1053.5	1055.6	1047.1	1038.6	1073.6	1108.4	2369.5	3630.6	6567.9	9505.2
70°	923.7	938.6	938.6	899.1	859.5	849.6	839.6	1865.7	2891.7	5668.1	8444.5
72.5°	829.7	829.5	820.1	764.0	707.9	677.7	647.6	1426.3	2205.0	4692.7	7180.6
75°	723.0	726.7	683.2	620.4	557.5	530.2	502.9	1035.2	1567.5	3574.6	5581.6
77.5°	616.1	618.0	546.4	485.4	424.4	405.7	387.2	701.5	1015.8	2501.9	3988.0
80°	494.2	494.5	409.0	357.4	305.7	298.0	290.3	452.0	613.7	1611.9	2610.1
82.5°	363.5	359.5	286.4	248.4	210.3	208.8	207.4	278.0	348.7	932.9	1517.2
85°	239.3	234.0	179.7	151.9	124.0	124.8	125.4	148.6	171.9	419.7	667.5
87.5°	105.7	99.0	76.4	65.0	53.6	54.3	55.0	61.6	68.2	137.4	206.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1203865
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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	*2504.9*	2504.9	2504.9
2.5°	2703.9	2714.2	2728.7	2743.2	2751.9	2760.5	2764.9	2769.2	*2767.3*	2769.2	2764.9
5°	2932.2	2968.0	3003.3	3038.8	3058.0	3077.2	3088.9	3100.6	*3109.4*	3100.6	3088.9
7.5°	3158.4	3216.3	3268.5	3320.7	3352.1	3383.6	3400.6	3417.5	*3425.7*	3417.5	3400.6
10°	3325.1	3393.8	3455.0	3516.2	3553.3	3590.2	3606.8	3623.2	*3629.4*	3623.2	3606.8
12.5°	3426.5	3500.8	3556.2	3611.4	3638.3	3665.2	3674.2	3683.3	*3684.2*	3683.3	3674.2
15°	3474.5	3538.6	3573.3	3608.1	3609.1	3610.0	3600.4	3590.8	*3579.5*	3590.8	3600.4
17.5°	3486.3	3529.7	3530.3	3530.9	3492.0	3453.1	3417.4	3381.7	*3356.5*	3381.7	3417.4
20°	3494.1	3509.3	3463.6	3418.0	3332.1	3246.1	3183.6	3121.0	*3082.5*	3121.0	3183.6
22.5°	3501.0	3481.2	3386.7	3292.1	3165.7	3039.3	2961.0	2882.8	*2840.3*	2882.8	2961.0
25°	3512.2	3449.7	3306.1	3162.5	3009.0	2855.5	2773.2	2691.1	*2651.0*	2691.1	2773.2
27.5°	3536.0	3424.2	3234.0	3043.9	2873.8	2703.6	2622.7	2541.9	*2503.9*	2541.9	2622.7
30°	3579.7	3413.2	3179.0	2944.9	2767.6	2590.4	2515.3	2440.3	*2404.9*	2440.3	2515.3
32.5°	3634.4	3406.5	3141.5	2876.6	2710.1	2543.5	2484.6	2425.6	*2400.1*	2425.6	2484.6
35°	3724.7	3445.7	3169.6	2893.7	2777.9	2662.3	2648.6	2634.8	*2632.7*	2634.8	2648.6
37.5°	3913.4	3585.0	3334.2	3083.3	3075.8	3068.3	3131.2	3194.0	*3226.7*	3194.0	3131.2
40°	4244.1	3887.0	3700.5	3513.9	3645.6	3777.3	3930.1	4082.9	*4159.1*	4082.9	3930.1
42.5°	4723.7	4369.4	4261.9	4154.4	4441.7	4728.9	5006.8	5284.8	*5448.0*	5284.8	5006.8
45°	5348.4	5030.1	4982.7	4935.2	5395.3	5855.6	6312.3	6769.2	*7046.5*	6769.2	6312.3
47.5°	6093.4	5783.7	5774.1	5764.4	6428.2	7091.8	7760.5	8429.1	*8821.8*	8429.1	7760.5
50°	6985.5	6603.2	6604.8	6606.4	7461.9	8317.4	9200.0	10082.7	*10616.3*	10082.7	9200.0
52.5°	8012.7	7549.7	7502.8	7455.9	8477.8	9499.6	10591.7	11683.7	*12323.4*	11683.7	10591.7
55°	9197.6	8740.1	8557.6	8375.0	9512.3	10649.5	11951.4	13253.3	*14014.1*	13253.3	11951.4
57.5°	10478.7	10229.4	9863.3	9497.3	10645.6	11794.0	13268.6	14743.2	*15686.6*	14743.2	13268.6
60°	11763.1	12150.2	11695.5	11240.9	12327.6	13414.3	14993.2	16572.0	*17591.7*	16572.0	14993.2
62.5°	12104.3	13161.7	13110.5	13059.2	14054.7	15050.3	16552.4	18054.5	*18996.9*	18054.5	16552.4
65°	*11380.5*	*12372.9*	*12569.3*	*12765.5*	*14030.7*	*15295.9*	*16752.5*	*18208.9*	*19011.3*	*18208.9*	*16752.5*
67.5°	10449.1	11393.0	11485.0	11577.0	12895.2	14213.3	15676.1	17138.9	*17767.6*	17138.9	15676.1
70°	9471.2	10497.9	10539.0	10580.3	11759.1	12937.8	14196.7	15455.4	*15804.8*	15455.4	14196.7
72.5°	8358.7	9536.9	9566.5	9596.0	10518.3	11440.5	12383.4	13326.1	*13361.5*	13326.1	12383.4
75°	6801.0	8020.3	8129.8	8239.3	8956.8	9674.4	10338.1	11001.8	*10823.9*	11001.8	10338.1
77.5°	5126.2	6264.5	6421.2	6577.9	7123.4	7668.8	8139.5	8610.3	*8304.7*	8610.3	8139.5
80°	3567.7	4525.3	4720.0	4914.7	5326.7	5738.5	5985.7	6232.8	*5741.2*	6232.8	5985.7
82.5°	2171.9	2826.7	3044.2	3261.8	3545.3	3828.9	3932.0	4035.1	*3648.7*	4035.1	3932.0
85°	1015.0	1362.5	1547.5	1732.5	1965.5	2198.4	2257.0	2315.5	*2006.0*	2315.5	2257.0
87.5°	323.4	440.2	543.5	646.7	763.2	879.7	884.7	889.6	*746.8*	889.6	884.7
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):

	330°	335°	340°	345°	350°	355°	360°
0°	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9	2504.9
2.5°	2760.5	2751.9	2743.2	2728.7	2714.2	2703.9	2693.7
5°	3077.2	3058.0	3038.8	3003.3	2968.0	2932.2	2896.5
7.5°	3383.6	3352.1	3320.7	3268.5	3216.3	3158.4	3100.3
10°	3590.2	3553.3	3516.2	3455.0	3393.8	3325.1	3256.5
12.5°	3665.2	3638.3	3611.4	3556.2	3500.8	3426.5	3352.1
15°	3610.0	3609.1	3608.1	3573.3	3538.6	3474.5	3410.3
17.5°	3453.1	3492.0	3530.9	3530.3	3529.7	3486.3	3443.0
20°	3246.1	3332.1	3418.0	3463.6	3509.3	3494.1	3479.0
22.5°	3039.3	3165.7	3292.1	3386.7	3481.2	3501.0	3520.8
25°	2855.5	3009.0	3162.5	3306.1	3449.7	3512.2	3574.7
27.5°	2703.6	2873.8	3043.9	3234.0	3424.2	3536.0	3647.7
30°	2590.4	2767.6	2944.9	3179.0	3413.2	3579.7	3746.2
32.5°	2543.5	2710.1	2876.6	3141.5	3406.5	3634.4	3862.5
35°	2662.3	2777.9	2893.7	3169.6	3445.7	3724.7	4003.8
37.5°	3068.3	3075.8	3083.3	3334.2	3585.0	3913.4	4241.7
40°	3777.3	3645.6	3513.9	3700.5	3887.0	4244.1	4601.2
42.5°	4728.9	4441.7	4154.4	4261.9	4369.4	4723.7	5078.0
45°	5855.6	5395.3	4935.2	4982.7	5030.1	5348.4	5666.7
47.5°	7091.8	6428.2	5764.4	5774.1	5783.7	6093.4	6403.0
50°	8317.4	7461.9	6606.4	6604.8	6603.2	6985.5	7368.0
52.5°	9499.6	8477.8	7455.9	7502.8	7549.7	8012.7	8475.8
55°	10649.5	9512.3	8375.0	8557.6	8740.1	9197.6	9655.1
57.5°	11794.0	10645.6	9497.3	9863.3	10229.4	10478.7	10727.8
60°	13414.3	12327.6	11240.9	11695.5	12150.2	11763.1	11376.1
62.5°	15050.3	14054.7	13059.2	13110.5	13161.7	12104.3	11046.9
65°	*15295.9*	*14030.7*	*12765.5*	*12569.3*	*12372.9*	*11380.5*	*10388.0*
67.5°	14213.3	12895.2	11577.0	11485.0	11393.0	10449.1	9505.2
70°	12937.8	11759.1	10580.3	10539.0	10497.9	9471.2	8444.5
72.5°	11440.5	10518.3	9596.0	9566.5	9536.9	8358.7	7180.6
75°	9674.4	8956.8	8239.3	8129.8	8020.3	6801.0	5581.6
77.5°	7668.8	7123.4	6577.9	6421.2	6264.5	5126.2	3988.0
80°	5738.5	5326.7	4914.7	4720.0	4525.3	3567.7	2610.1
82.5°	3828.9	3545.3	3261.8	3044.2	2826.7	2171.9	1517.2
85°	2198.4	1965.5	1732.5	1547.5	1362.5	1015.0	667.5
87.5°	879.7	763.2	646.7	543.5	440.2	323.4	206.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

0

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

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

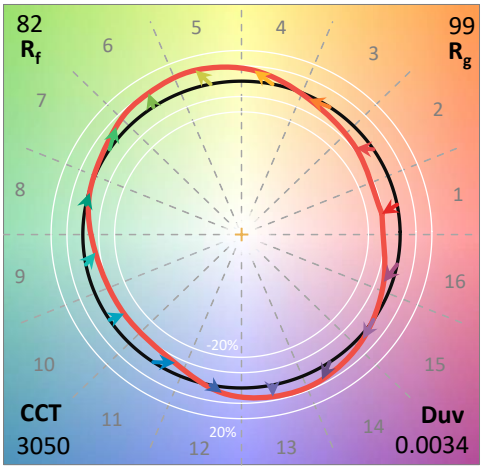
Test Information

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
CIE u':	0.2476
CIE v':	0.5251
Duv:	0.0034
CIE x:	0.4383
CIE y:	0.4131
CIE z:	0.1487
Peak Wavelength (nm):	603
Dominant Wavelength (nm):	581
Purity:	55.55201
Rf:	81.5
Rg:	99.2

CRI (Ra):	81.0
R1:	79.6
R2:	85.6
R3:	92.0
R4:	82.6
R5:	78.9
R6:	81.7
R7:	85.2
R8:	62.0
R9:	7.1
R10:	67.0
R11:	82.7
R12:	63.2
R13:	80.3
R14:	95.0
R15:	71.7



Test Conditions

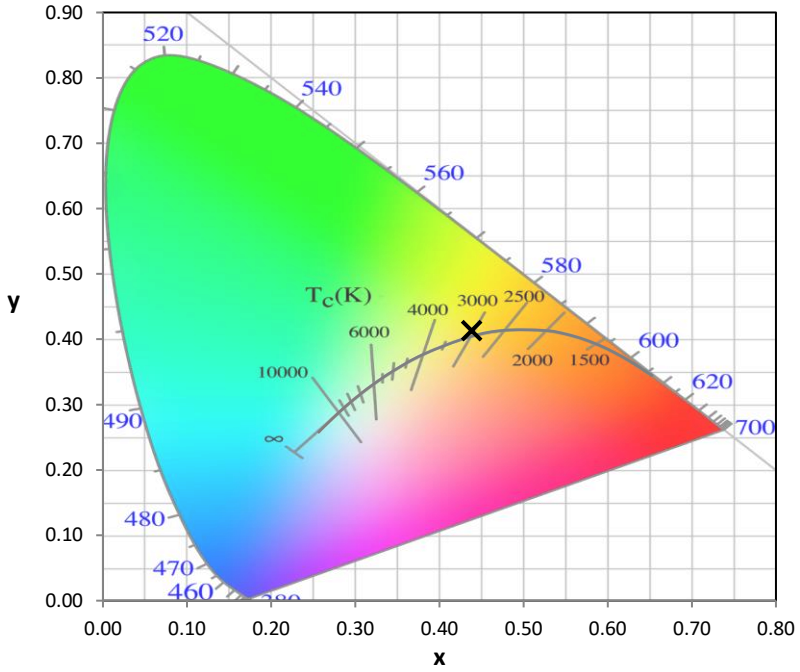
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

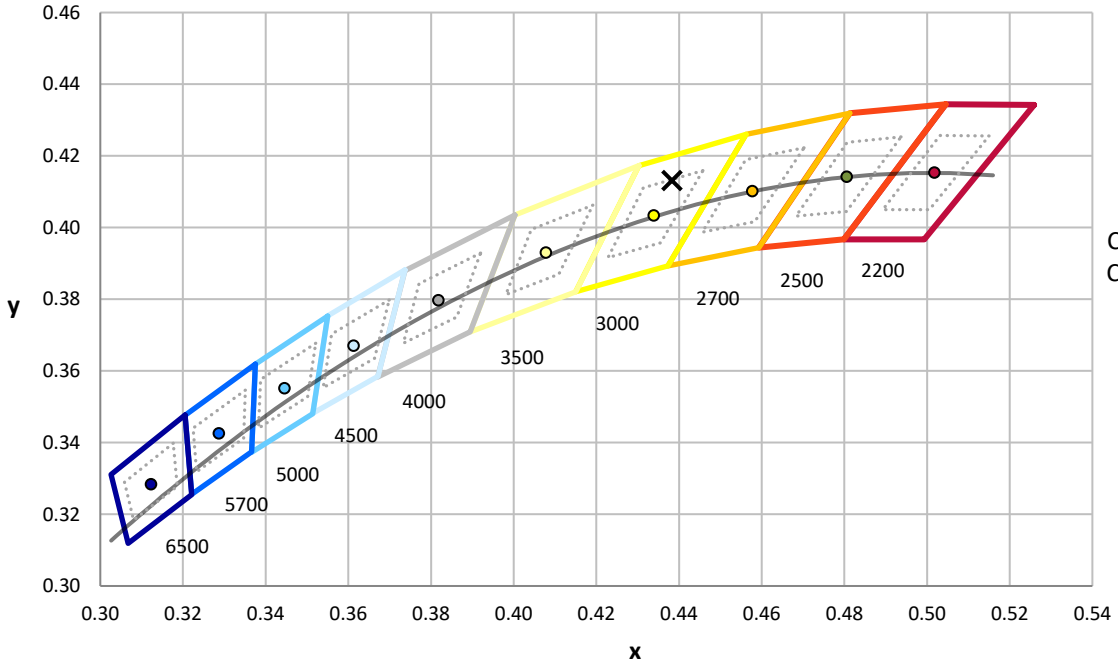
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

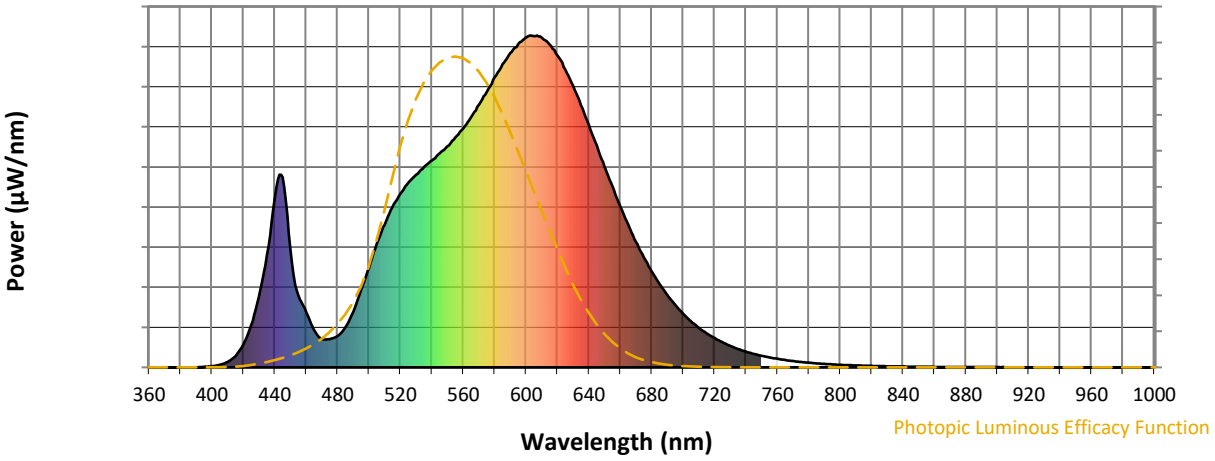


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

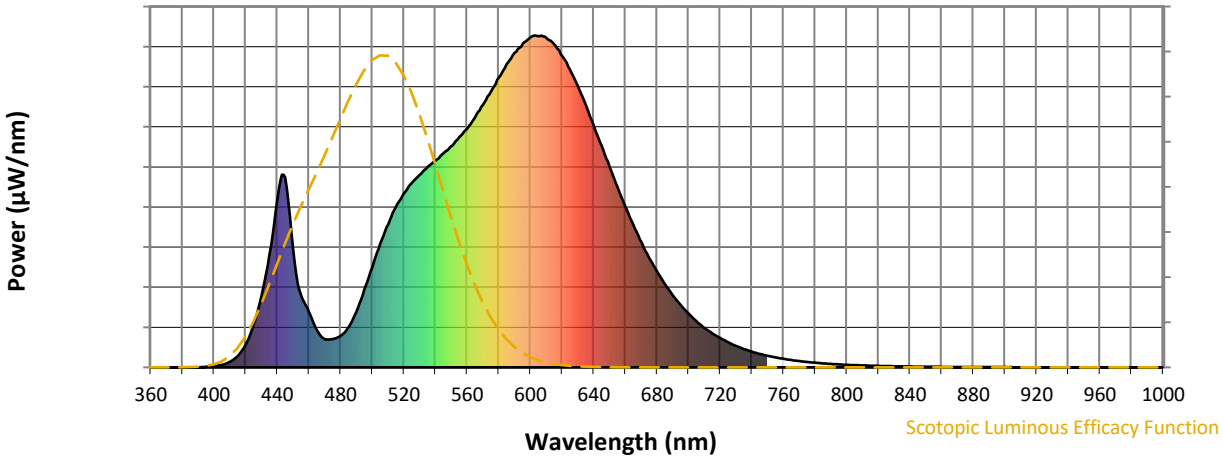


Photopic Lumens: NR

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

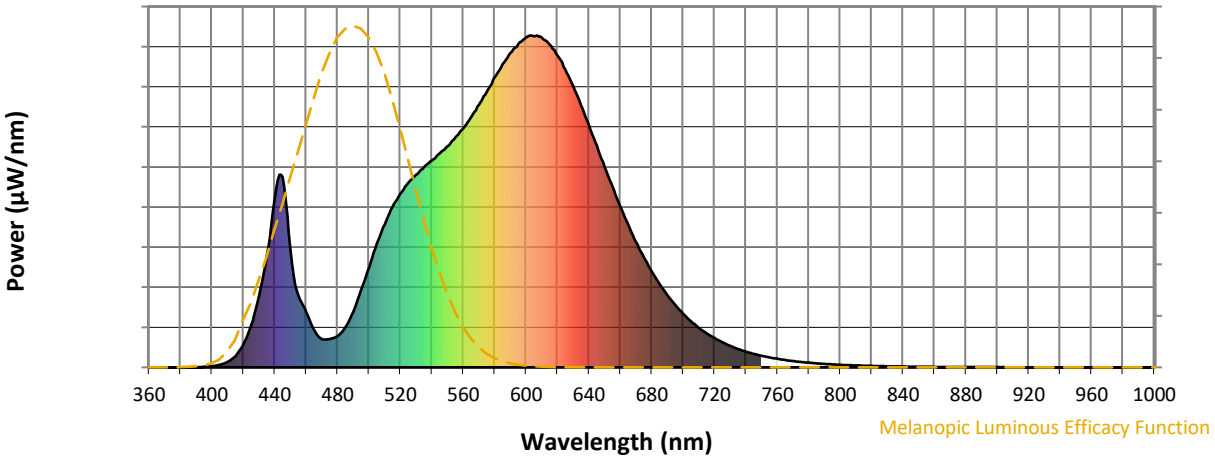


Scotopic Lumens: NR **S/P: 1.27**

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			

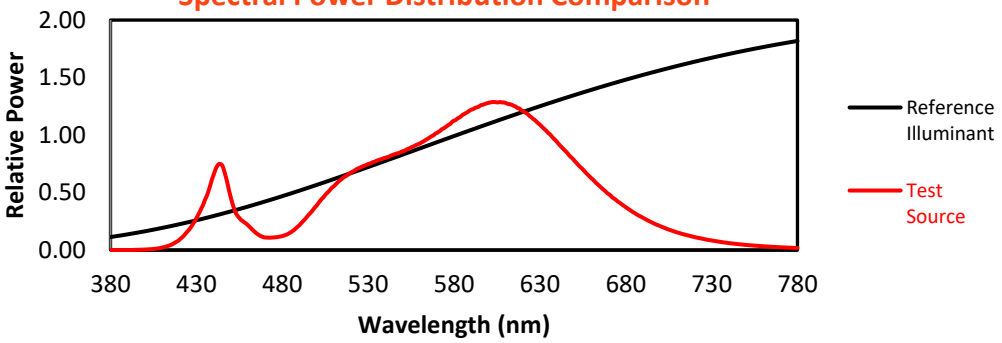
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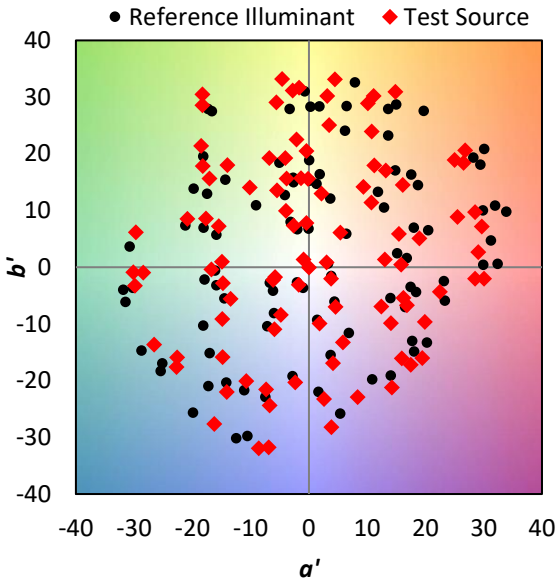
Summary

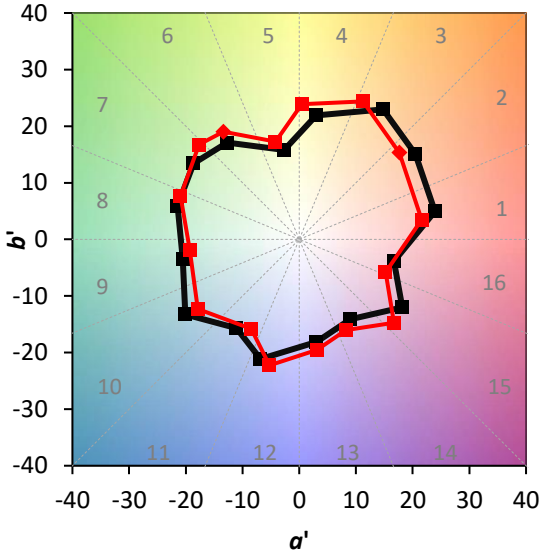
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

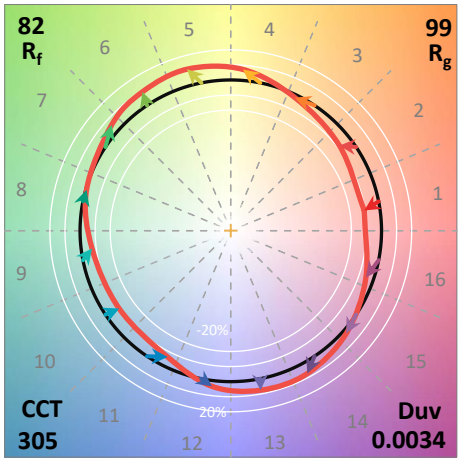
Spectral Power Distribution Comparison

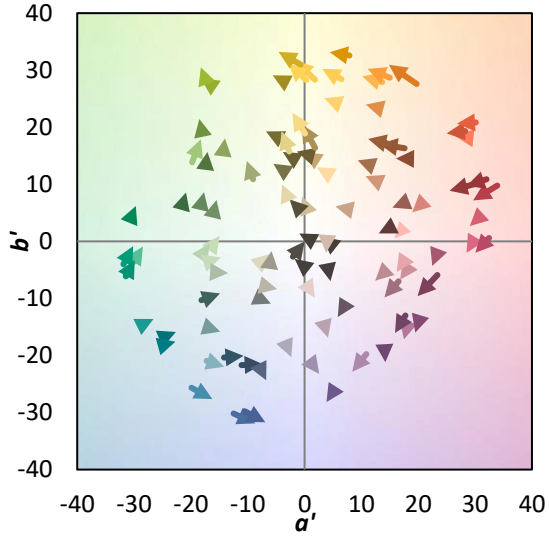


Color Vector Graphics







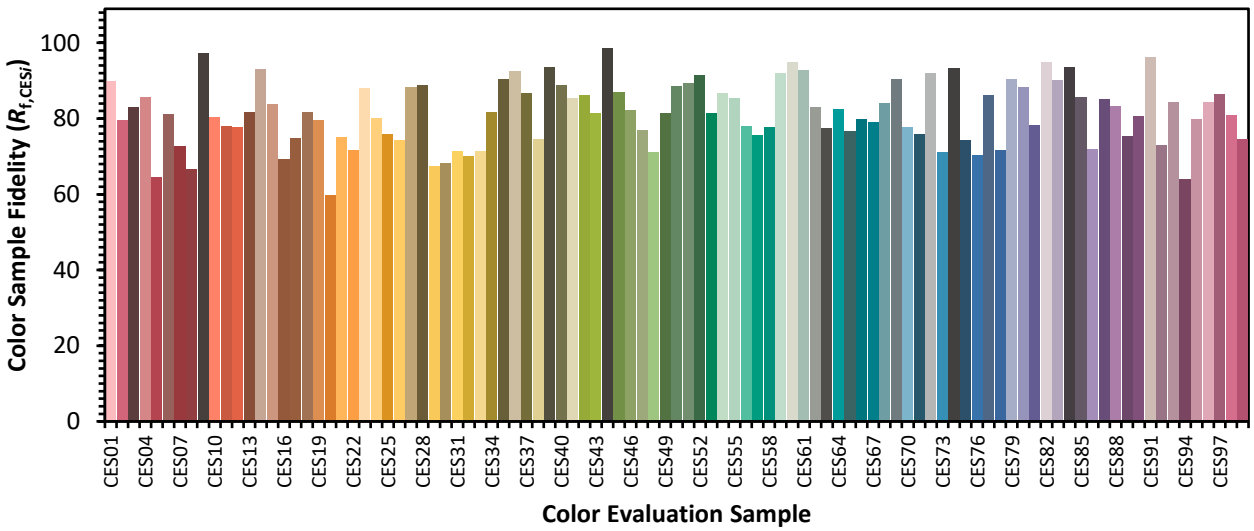


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Individual Sample Fidelity Index ($R_{f,i}$)

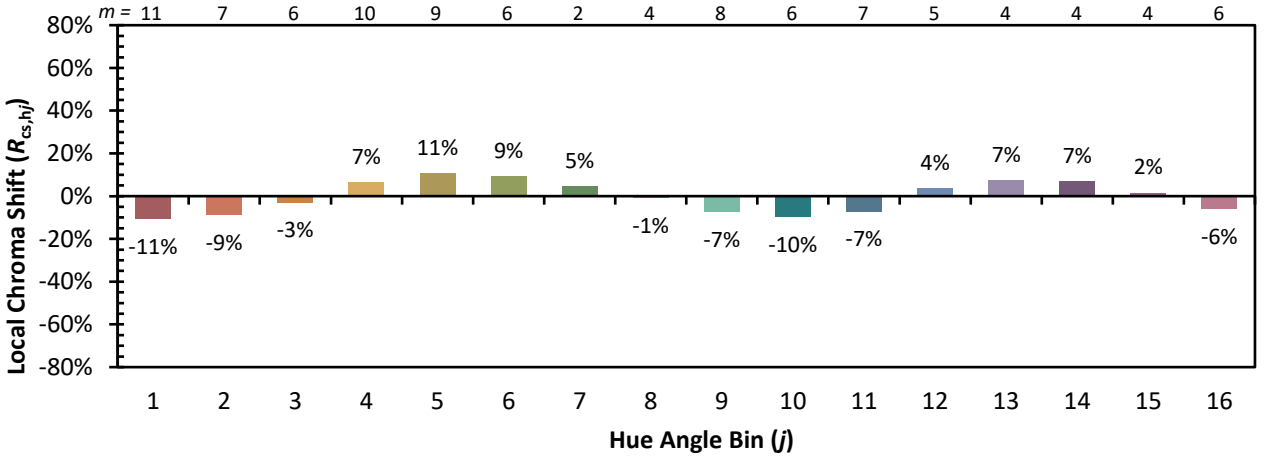
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

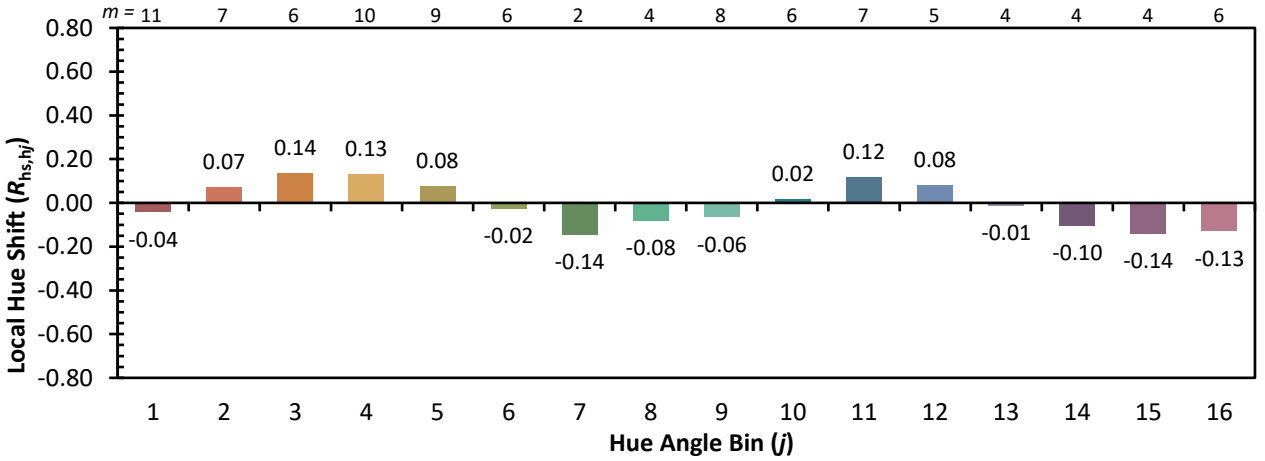


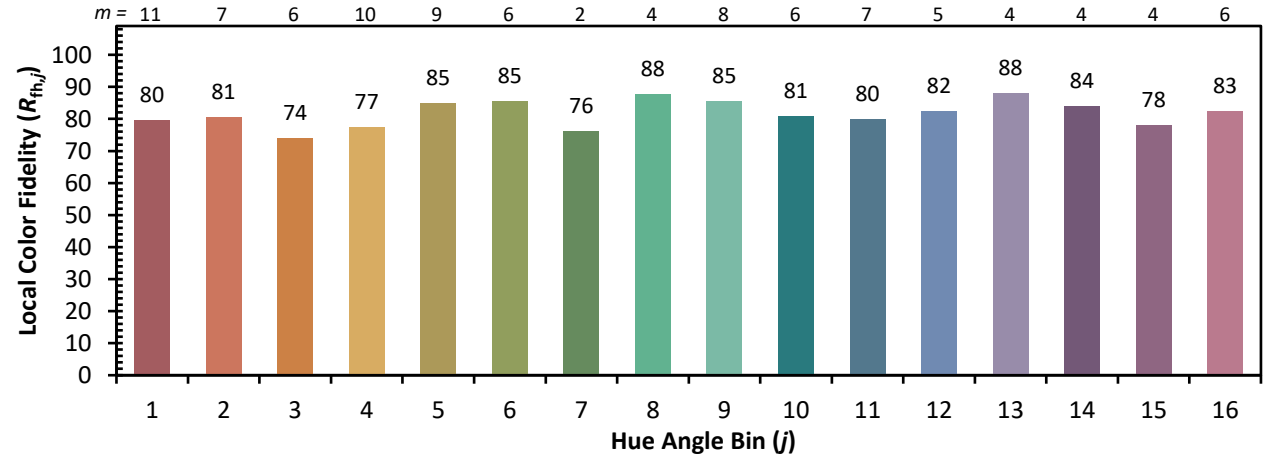
REPORT NUMBER: SP1-2408-195-9

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Color Rendition by Hue-Angle Bin



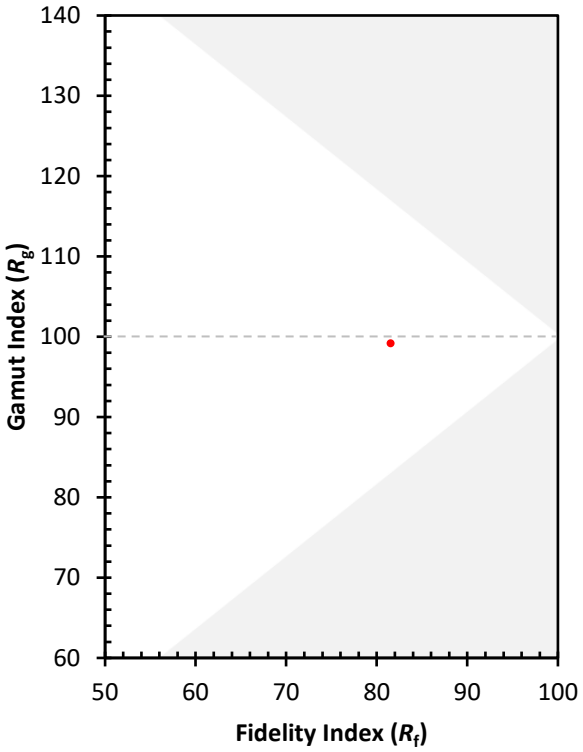


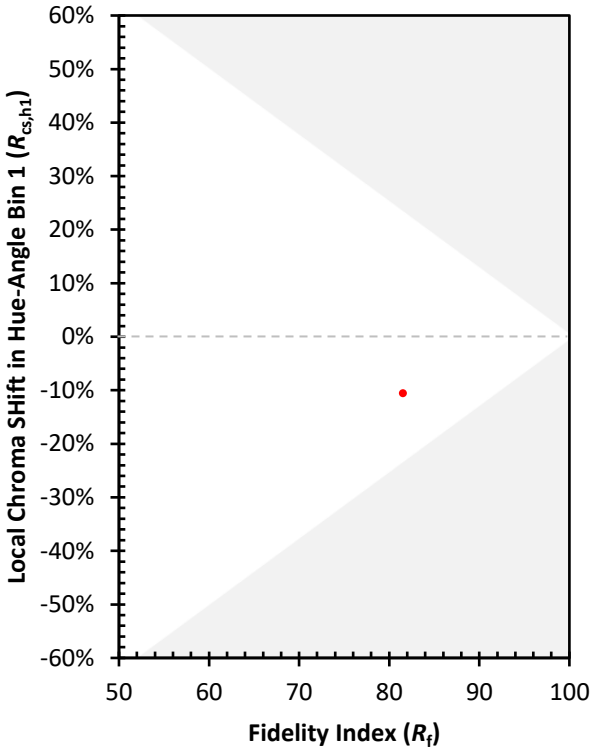


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Measure Comparisons





(END OF REPORT)