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: P1203115

Luminaire Tested: GWC-SB2B-830-U-SLL

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203115
	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-SB2B-830-U-SLL
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOF
	LEFT OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10080 lumens
Efficiency:	N/A
Efficacy:	136.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

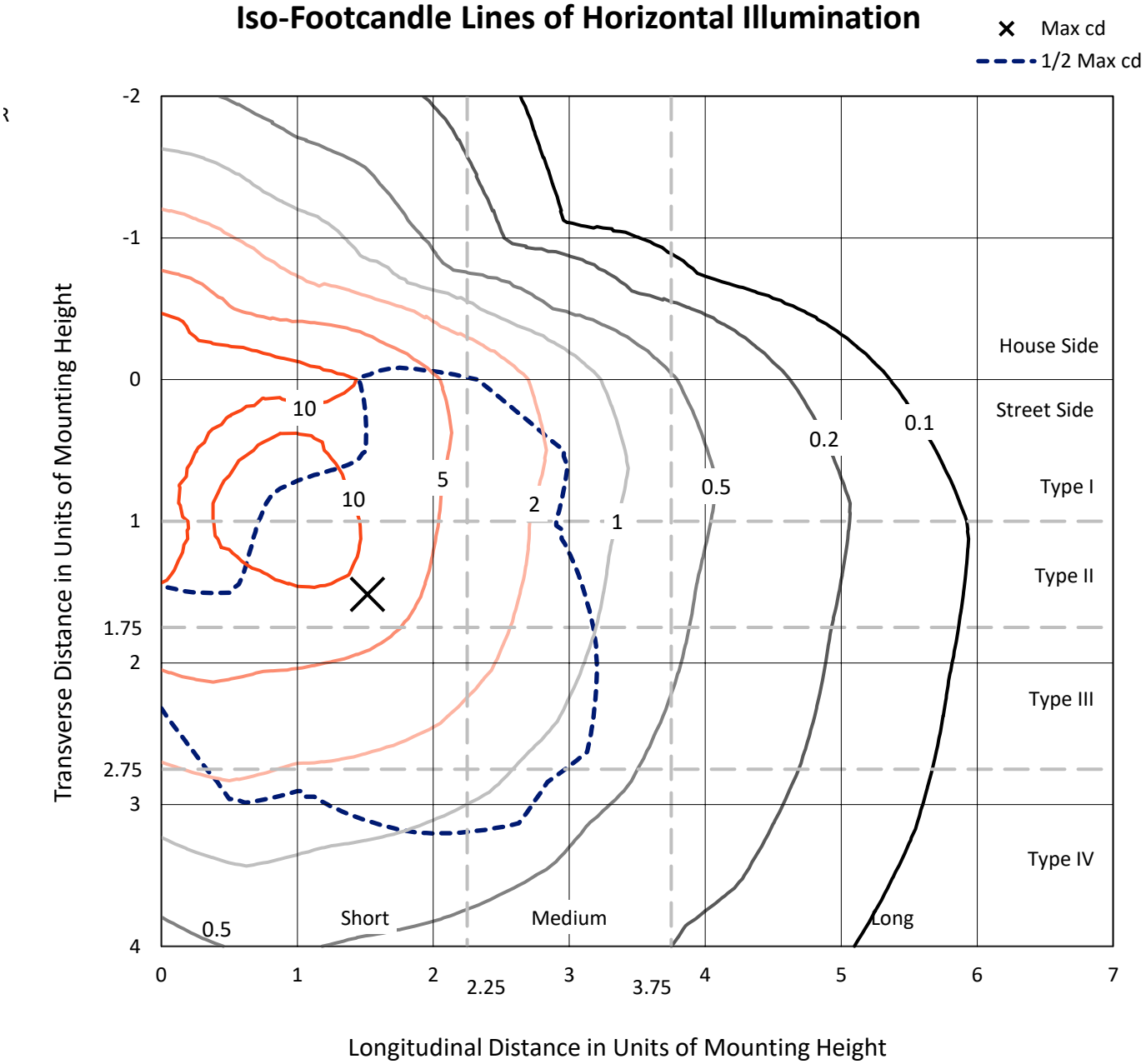


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Iso-Footcandle Lines of Horizontal Illumination



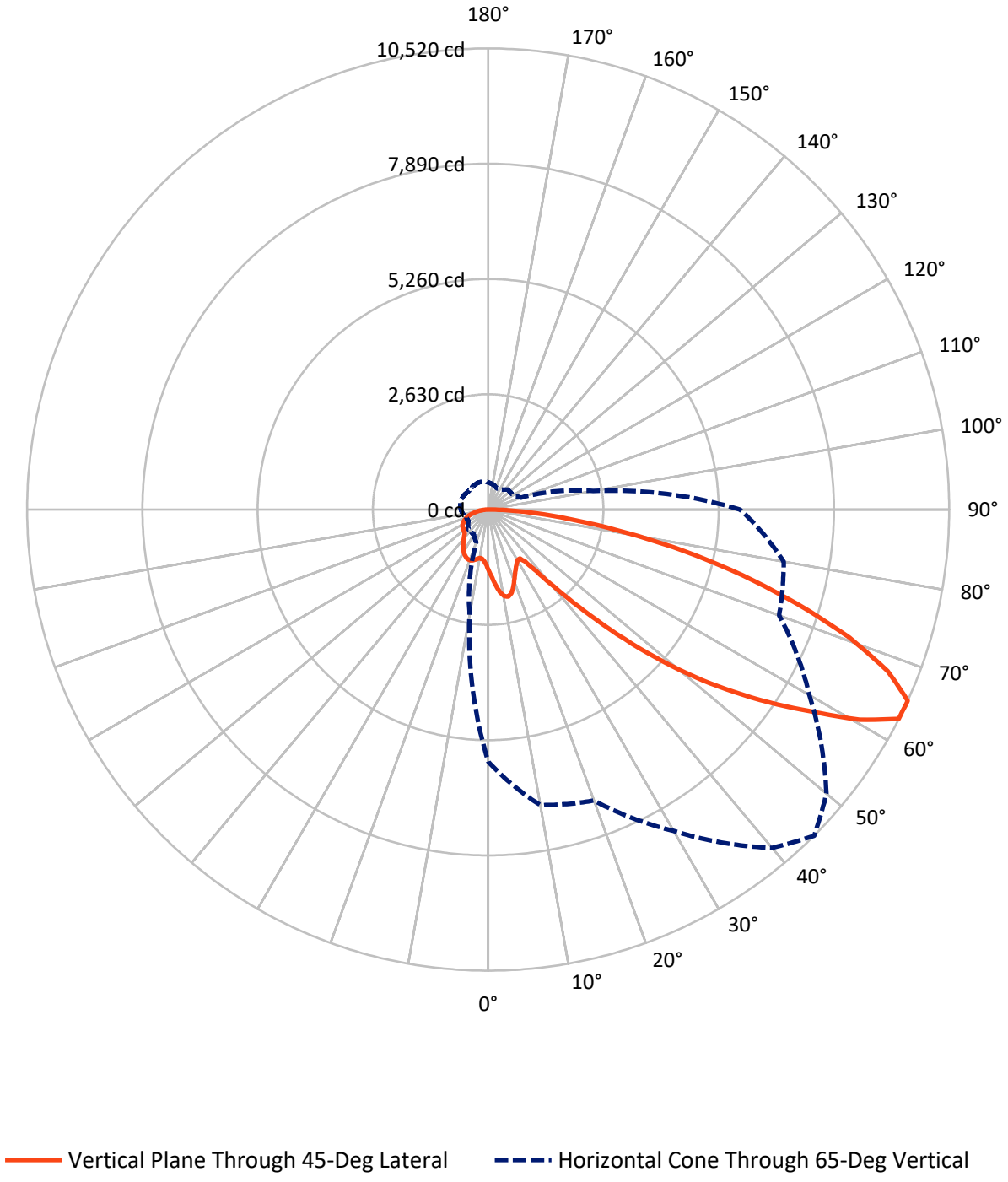
Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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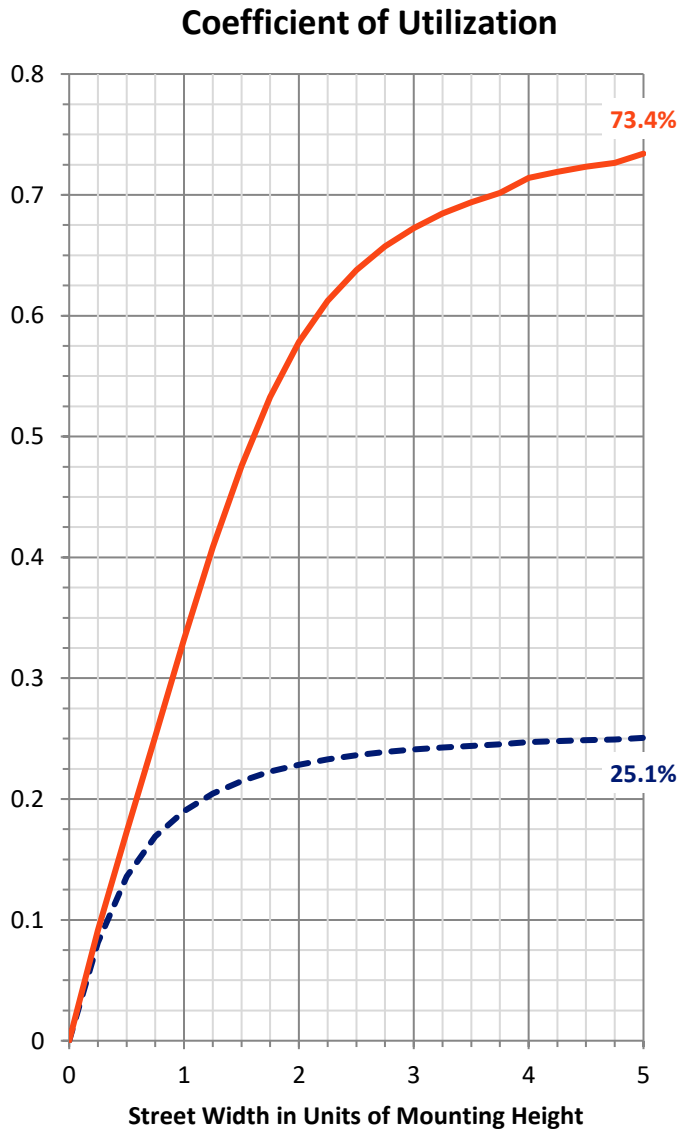
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2561.8	0.0	2561.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	7518.2	0.0	7518.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	10080.0	0.0	10080.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	1.4
10°-20°	431.6	4.3
20°-30°	666.7	6.6
30°-40°	844.9	8.4
40°-50°	1274.3	12.6
50°-60°	2058.9	20.4
60°-70°	2566.7	25.5
70°-80°	1683.1	16.7
80°-90°	416.1	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°	10080.0	100.0
0°-180°	10080.0	100.0



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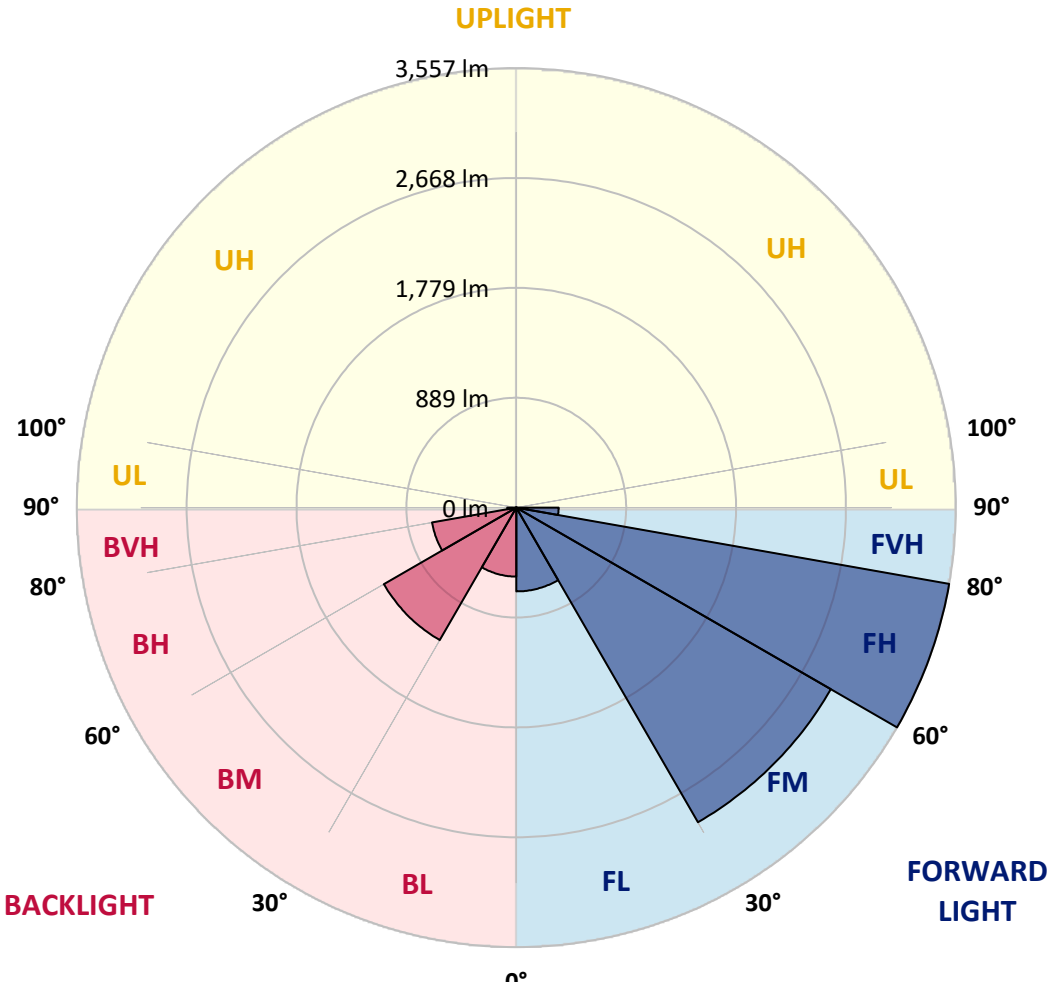
Scaled Data Report

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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°)	678.0	6.7			
FM	(30°-60°)	2940.1	29.2			
FH	(60°-80°)	3557.3	35.3			G2/5000
FVH	(80°-90°)	342.8	3.4			G3/500
BL	(0°-30°)	557.9	5.5	B2/1000		
BM	(30°-60°)	1238.0	12.3	B2/2500		
BH	(60°-80°)	692.6	6.9	B2/1000		G2/1000
BVH	(80°-90°)	73.3	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	*1386.1*	1386.1
2.5°	1490.6	1496.2	1501.9	1510.0	1518.0	1522.8	1527.6	1530.0	1532.4	*1531.3*	1532.4
5°	1602.8	1622.6	1642.3	1661.9	1681.5	1692.2	1702.8	1709.3	1715.7	*1720.6*	1715.7
7.5°	1715.6	1747.7	1779.8	1808.7	1837.5	1854.9	1872.3	1881.7	1891.1	*1895.6*	1891.1
10°	1802.0	1840.0	1878.0	1911.9	1945.7	1966.3	1986.7	1995.8	2004.9	*2008.4*	2004.9
12.5°	1854.9	1896.1	1937.2	1967.9	1998.4	2013.3	2028.2	2033.2	2038.2	*2038.7*	2038.2
15°	1887.1	1922.7	1958.1	1977.3	1996.6	1997.1	1997.6	1992.3	1987.0	*1980.7*	1987.0
17.5°	1905.2	1929.2	1953.2	1953.6	1953.9	1932.3	1910.8	1891.1	1871.3	*1857.3*	1871.3
20°	1925.2	1933.5	1941.9	1916.6	1891.4	1843.8	1796.3	1761.6	1727.0	*1705.7*	1727.0
22.5°	1948.3	1937.3	1926.4	1874.0	1821.7	1751.8	1681.8	1638.5	1595.2	*1571.7*	1595.2
25°	1978.1	1943.5	1908.9	1829.5	1750.0	1665.1	1580.1	1534.6	1489.2	*1466.9*	1489.2
27.5°	2018.5	1956.7	1894.8	1789.6	1684.4	1590.2	1496.1	1451.3	1406.6	*1385.6*	1406.6
30°	2073.0	1980.8	1888.7	1759.1	1629.6	1531.5	1433.4	1391.9	1350.3	*1330.8*	1350.3
32.5°	2137.4	2011.2	1885.0	1738.4	1591.8	1499.6	1407.5	1374.9	1342.2	*1328.1*	1342.2
35°	2215.6	2061.1	1906.7	1753.9	1601.2	1537.2	1473.2	1465.6	1458.0	*1456.8*	1458.0
37.5°	2347.2	2165.5	1983.8	1845.0	1706.2	1702.0	1697.9	1732.7	1767.4	*1785.5*	1767.4
40°	2546.1	2348.5	2150.9	2047.7	1944.5	2017.3	2090.2	2174.8	2259.3	*2301.5*	2259.3
42.5°	2809.9	2613.9	2417.8	2358.4	2298.9	2457.8	2616.8	2770.6	2924.4	*3014.7*	2924.4
45°	3135.7	2959.6	2783.4	2757.2	2731.0	2985.6	3240.2	3493.0	3745.8	*3899.2*	3745.8
47.5°	3543.1	3371.8	3200.4	3195.1	3189.8	3557.1	3924.3	4294.4	4664.3	*4881.6*	4664.3
50°	4077.1	3865.5	3653.9	3654.8	3655.7	4129.1	4602.5	5090.9	5579.3	*5874.6*	5579.3
52.5°	4690.1	4433.9	4177.7	4151.8	4125.8	4691.3	5256.7	5861.0	6465.3	*6819.3*	6465.3
55°	5342.8	5089.6	4836.4	4735.4	4634.4	5263.7	5893.0	6613.4	7333.9	*7754.9*	7333.9
57.5°	5936.3	5798.5	5660.6	5458.0	5255.4	5890.9	6526.3	7342.3	8158.3	*8680.3*	8158.3
60°	6295.1	6509.2	6723.4	6471.8	6220.3	6821.6	7423.0	8296.6	9170.3	*9734.5*	9170.3
62.5°	6112.9	6698.1	7283.2	7254.8	7226.4	7777.3	8328.2	9159.4	9990.6	*10512.1*	9990.6
65°	*5748.3*	*6297.5*	*6846.7*	*6955.3*	*7063.9*	*7764.0*	*8464.1*	*9270.1*	*10076.1*	*10520.1*	*10076.1*
67.5°	5259.8	5782.1	6304.4	6355.4	6406.3	7135.7	7865.1	8674.5	9484.0	*9831.9*	9484.0
70°	4672.9	5241.0	5809.1	5831.9	5854.7	6507.0	7159.3	7855.9	8552.4	*8745.8*	8552.4
72.5°	3973.4	4625.4	5277.3	5293.7	5310.1	5820.4	6330.7	6852.5	7374.1	*7393.7*	7374.1
75°	3088.6	3763.4	4438.1	4498.7	4559.3	4956.4	5353.4	5720.7	6087.9	*5989.5*	6087.9
77.5°	2206.8	2836.6	3466.5	3553.2	3639.9	3941.8	4243.6	4504.1	4764.6	*4595.5*	4764.6
80°	1444.3	1974.2	2504.1	2611.9	2719.6	2947.6	3175.4	3312.2	3449.0	*3176.9*	3449.0
82.5°	839.6	1201.8	1564.2	1684.5	1804.9	1961.9	2118.8	2175.8	2232.8	*2019.0*	2232.8
85°	369.4	561.7	753.9	856.3	958.7	1087.6	1216.5	1248.9	1281.3	*1110.0*	1281.3
87.5°	114.4	179.0	243.6	300.7	357.9	422.3	486.8	489.5	492.3	*413.3*	492.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1
2.5°	1530.0	1527.6	1522.8	1518.0	1510.0	1501.9	1496.2	1490.6	1479.2	1467.7	1455.6
5°	1709.3	1702.8	1692.2	1681.5	1661.9	1642.3	1622.6	1602.8	1577.6	1552.3	1527.1
7.5°	1881.7	1872.3	1854.9	1837.5	1808.7	1779.8	1747.7	1715.6	1673.9	1632.2	1593.7
10°	1995.8	1986.7	1966.3	1945.7	1911.9	1878.0	1840.0	1802.0	1749.3	1696.6	1645.7
12.5°	2033.2	2028.2	2013.3	1998.4	1967.9	1937.2	1896.1	1854.9	1797.0	1739.2	1681.5
15°	1992.3	1997.6	1997.1	1996.6	1977.3	1958.1	1922.7	1887.1	1826.8	1766.4	1703.8
17.5°	1891.1	1910.8	1932.3	1953.9	1953.6	1953.2	1929.2	1905.2	1844.0	1782.8	1714.5
20°	1761.6	1796.3	1843.8	1891.4	1916.6	1941.9	1933.5	1925.2	1861.5	1797.9	1722.9
22.5°	1638.5	1681.8	1751.8	1821.7	1874.0	1926.4	1937.3	1948.3	1883.3	1818.2	1734.2
25°	1534.6	1580.1	1665.1	1750.0	1829.5	1908.9	1943.5	1978.1	1914.4	1850.7	1754.6
27.5°	1451.3	1496.1	1590.2	1684.4	1789.6	1894.8	1956.7	2018.5	1957.8	1897.0	1786.5
30°	1391.9	1433.4	1531.5	1629.6	1759.1	1888.7	1980.8	2073.0	2014.3	1955.6	1827.8
32.5°	1374.9	1407.5	1499.6	1591.8	1738.4	1885.0	2011.2	2137.4	2079.2	2021.2	1871.0
35°	1465.6	1473.2	1537.2	1601.2	1753.9	1906.7	2061.1	2215.6	2159.9	2104.2	1920.1
37.5°	1732.7	1697.9	1702.0	1706.2	1845.0	1983.8	2165.5	2347.2	2276.2	2205.3	1975.1
40°	2174.8	2090.2	2017.3	1944.5	2047.7	2150.9	2348.5	2546.1	2442.7	2339.3	2045.0
42.5°	2770.6	2616.8	2457.8	2298.9	2358.4	2417.8	2613.9	2809.9	2660.7	2511.4	2136.5
45°	3493.0	3240.2	2985.6	2731.0	2757.2	2783.4	2959.6	3135.7	2934.4	2733.1	2256.8
47.5°	4294.4	3924.3	3557.1	3189.8	3195.1	3200.4	3371.8	3543.1	3259.8	2976.4	2385.0
50°	5090.9	4602.5	4129.1	3655.7	3654.8	3653.9	3865.5	4077.1	3650.0	3222.8	2503.9
52.5°	5861.0	5256.7	4691.3	4125.8	4151.8	4177.7	4433.9	4690.1	4059.9	3429.6	2581.1
55°	6613.4	5893.0	5263.7	4634.4	4735.4	4836.4	5089.6	5342.8	4423.2	3503.8	2564.1
57.5°	7342.3	6526.3	5890.9	5255.4	5458.0	5660.6	5798.5	5936.3	4680.8	3425.2	2444.3
60°	8296.6	7423.0	6821.6	6220.3	6471.8	6723.4	6509.2	6295.1	4745.1	3195.1	2221.4
62.5°	9159.4	8328.2	7777.3	7226.4	7254.8	7283.2	6698.1	6112.9	4474.1	2835.4	1920.0
65°	*9270.1*	*8464.1*	*7764.0*	*7063.9*	*6955.3*	*6846.7*	*6297.5*	*5748.3*	*4090.7*	*2433.1*	*1612.5*
67.5°	8674.5	7865.1	7135.7	6406.3	6355.4	6304.4	5782.1	5259.8	3634.4	2009.0	1311.2
70°	7855.9	7159.3	6507.0	5854.7	5831.9	5809.1	5241.0	4672.9	3136.5	1600.2	1032.4
72.5°	6852.5	6330.7	5820.4	5310.1	5293.7	5277.3	4625.4	3973.4	2596.8	1220.1	789.3
75°	5720.7	5353.4	4956.4	4559.3	4498.7	4438.1	3763.4	3088.6	1978.0	867.4	572.8
77.5°	4504.1	4243.6	3941.8	3639.9	3553.2	3466.5	2836.6	2206.8	1384.4	562.1	388.2
80°	3312.2	3175.4	2947.6	2719.6	2611.9	2504.1	1974.2	1444.3	892.0	339.6	250.1
82.5°	2175.8	2118.8	1961.9	1804.9	1684.5	1564.2	1201.8	839.6	516.2	193.0	153.8
85°	1248.9	1216.5	1087.6	958.7	856.3	753.9	561.7	369.4	232.2	95.1	82.2
87.5°	489.5	486.8	422.3	357.9	300.7	243.6	179.0	114.4	76.1	37.8	34.1
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°	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1
2.5°	1443.4	1431.2	1419.0	1407.3	1395.6	1384.2	1371.6	1361.4	1351.2	1342.0	1332.9
5°	1501.9	1476.6	1451.2	1427.6	1403.9	1381.6	1359.5	1340.2	1320.9	1304.8	1288.6
7.5°	1555.2	1517.7	1480.2	1447.2	1414.2	1383.7	1355.1	1329.5	1303.9	1282.6	1261.4
10°	1594.9	1549.3	1503.7	1464.7	1425.6	1387.9	1357.3	1330.2	1303.2	1281.9	1260.7
12.5°	1623.8	1570.1	1516.4	1472.2	1428.0	1388.5	1359.9	1337.8	1315.8	1301.6	1287.6
15°	1641.3	1579.4	1517.6	1466.4	1415.2	1371.5	1348.6	1338.0	1327.5	1329.4	1331.3
17.5°	1646.3	1574.5	1502.7	1441.1	1379.6	1328.1	1314.0	1317.9	1321.7	1344.9	1368.1
20°	1647.9	1560.9	1473.8	1397.6	1321.3	1261.4	1257.6	1275.7	1293.8	1334.1	1374.4
22.5°	1650.0	1544.2	1438.3	1346.5	1254.6	1186.4	1193.7	1220.4	1247.2	1293.1	1339.2
25°	1658.4	1527.7	1397.0	1289.4	1181.8	1111.9	1131.6	1162.4	1193.3	1234.6	1276.0
27.5°	1676.0	1516.7	1357.4	1237.2	1117.1	1053.4	1077.3	1107.1	1136.9	1170.9	1204.8
30°	1700.0	1511.5	1322.9	1193.6	1064.3	1010.8	1029.6	1053.2	1077.0	1105.1	1133.3
32.5°	1720.7	1505.1	1289.4	1156.0	1022.5	979.5	987.8	1001.8	1015.8	1038.3	1060.8
35°	1736.0	1493.1	1250.4	1119.0	987.7	951.8	948.3	952.2	956.1	973.2	990.4
37.5°	1745.0	1472.5	1200.0	1075.5	951.0	919.6	907.0	902.7	898.5	910.8	923.1
40°	1750.7	1444.2	1137.7	1023.6	909.5	881.1	861.7	852.0	842.4	851.3	860.2
42.5°	1761.5	1414.9	1068.4	966.3	864.2	838.0	813.5	800.7	788.0	795.2	802.5
45°	1780.5	1387.7	995.0	905.5	815.9	789.3	765.6	753.2	740.8	746.9	753.0
47.5°	1793.5	1365.3	937.1	857.3	777.6	743.3	722.9	712.5	702.1	707.8	713.5
50°	1785.0	1340.8	896.6	825.4	754.1	709.0	685.3	676.1	666.9	675.8	684.8
52.5°	1732.6	1299.5	866.4	804.3	742.2	690.4	657.3	648.2	639.1	652.5	665.9
55°	1624.4	1231.0	837.6	789.0	740.5	692.2	642.4	627.9	613.5	632.6	651.7
57.5°	1463.5	1134.4	805.3	771.0	736.7	694.1	633.5	612.4	591.3	611.9	632.4
60°	1247.7	1009.0	770.3	743.3	716.3	688.3	625.1	597.8	570.4	588.5	606.5
62.5°	1004.6	858.9	713.1	695.2	677.4	673.9	615.3	581.1	547.0	558.5	569.9
65°	*791.9*	*723.8*	*655.8*	*647.4*	*638.9*	*639.3*	*594.6*	*558.4*	*522.0*	*526.5*	*530.8*
67.5°	613.4	594.1	574.7	579.4	584.1	582.9	557.8	527.6	497.4	496.0	494.7
70°	464.6	470.1	475.6	497.5	519.4	519.4	511.1	489.7	468.2	463.4	458.6
72.5°	358.4	375.0	391.7	422.8	453.8	459.0	459.1	444.4	429.7	422.6	415.7
75°	278.3	293.4	308.5	343.3	378.1	402.1	400.1	388.8	377.4	370.7	363.9
77.5°	214.2	224.5	234.8	268.6	302.4	342.0	340.9	331.8	322.7	315.9	309.1
80°	160.6	164.9	169.1	197.8	226.3	273.7	273.5	265.9	258.2	252.5	246.8
82.5°	114.8	115.5	116.4	137.4	158.5	198.9	201.2	197.4	193.7	189.7	185.6
85°	69.4	69.0	68.6	84.0	99.5	129.5	132.4	128.4	124.5	119.9	115.4
87.5°	30.4	30.1	29.7	36.0	42.3	54.8	58.5	56.9	55.3	54.5	53.6
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
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REPORT NUMBER: P1203115
CATALOG NUMBER: GWC-SB2B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1
2.5°	1324.9	1316.8	1308.8	1300.7	1294.5	1288.2	1283.2	1278.1	1274.2	1270.2	1266.6
5°	1274.4	1260.1	1247.2	1234.2	1224.3	1214.3	1207.3	1200.4	1195.4	1190.5	1186.7
7.5°	1243.4	1225.5	1209.6	1193.8	1182.0	1170.1	1161.8	1153.5	1147.9	1142.2	1138.8
10°	1241.4	1222.0	1204.2	1186.4	1172.2	1158.0	1148.8	1139.4	1134.0	1128.7	1125.8
12.5°	1272.4	1257.3	1238.8	1220.4	1202.3	1184.2	1172.3	1160.3	1154.3	1148.3	1145.9
15°	1327.4	1323.4	1307.4	1291.4	1265.7	1239.9	1221.7	1203.5	1195.2	1186.9	1183.7
17.5°	1380.4	1392.7	1379.8	1366.9	1332.8	1298.8	1271.9	1245.1	1232.8	1220.4	1216.4
20°	1400.2	1426.0	1420.0	1414.0	1375.0	1336.1	1303.2	1270.4	1254.6	1238.8	1233.7
22.5°	1372.7	1406.3	1409.9	1413.5	1376.2	1339.0	1305.2	1271.3	1254.7	1238.0	1232.4
25°	1309.0	1342.0	1354.4	1366.7	1336.1	1305.7	1275.6	1245.6	1231.1	1216.7	1211.4
27.5°	1231.3	1257.8	1271.5	1285.3	1263.5	1241.8	1218.5	1195.1	1185.5	1175.7	1173.3
30°	1155.3	1177.3	1188.5	1199.7	1183.1	1166.5	1149.8	1133.0	1128.1	1123.1	1123.1
32.5°	1081.9	1103.0	1115.4	1127.9	1112.6	1097.4	1084.0	1070.7	1067.4	1064.2	1064.6
35°	1011.2	1032.1	1047.0	1061.9	1051.1	1040.3	1027.9	1015.6	1010.7	1005.8	1004.7
37.5°	943.9	964.7	983.1	1001.5	996.5	991.5	980.2	968.8	959.8	950.9	946.2
40°	880.3	900.4	921.5	942.8	944.0	945.2	935.5	925.9	912.8	899.8	891.0
42.5°	821.5	840.6	863.5	886.4	892.5	898.6	890.5	882.4	866.2	849.9	837.1
45°	771.1	789.2	812.9	836.7	845.4	854.2	846.9	839.6	821.0	802.5	787.5
47.5°	731.2	748.9	772.3	795.7	805.8	815.9	810.8	805.7	789.2	772.7	758.8
50°	701.5	718.1	739.1	760.1	773.0	786.0	785.7	785.5	772.3	759.1	746.2
52.5°	681.2	696.5	716.0	735.6	751.0	766.3	769.1	771.9	761.1	750.4	738.8
55°	668.2	684.6	701.8	718.8	735.1	751.4	755.3	759.1	749.7	740.4	730.3
57.5°	651.8	671.1	688.0	705.0	721.4	737.8	741.7	745.6	736.1	726.7	716.7
60°	628.7	650.9	668.1	685.3	701.8	718.3	722.6	726.8	717.6	708.4	698.0
62.5°	595.8	621.8	640.1	658.5	673.6	688.7	692.8	696.9	688.5	680.2	669.3
65°	*558.6*	*586.4*	*604.0*	*621.5*	*634.8*	*648.1*	*652.3*	*656.4*	*648.4*	*640.4*	*629.9*
67.5°	520.3	546.0	562.6	579.2	590.7	602.2	606.3	610.3	602.9	595.6	585.8
70°	481.1	503.7	518.1	532.4	542.8	553.2	557.1	561.0	555.0	549.0	539.6
72.5°	433.4	451.1	464.1	477.1	487.3	497.4	502.1	506.8	501.8	496.8	487.8
75°	377.1	390.3	402.1	413.8	423.1	432.3	437.2	442.1	439.7	437.2	429.7
77.5°	319.9	330.6	340.7	350.8	360.5	370.2	374.8	379.3	375.9	372.4	364.9
80°	255.7	264.6	273.1	281.6	289.0	296.4	302.4	308.5	307.0	305.6	295.4
82.5°	184.9	184.1	181.2	178.2	193.9	209.7	220.0	230.3	229.7	229.0	220.4
85°	111.6	107.7	99.5	91.2	106.0	120.7	133.5	146.3	145.2	144.1	137.4
87.5°	53.5	53.3	47.0	40.7	46.9	53.1	58.2	63.4	62.1	60.7	57.3
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: P1203115
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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1
2.5°	1263.0	1258.4	1263.0	1266.6	1270.2	1274.2	1278.1	1283.2	1288.2	1294.5	1300.7
5°	1182.9	1179.2	1182.9	1186.7	1190.5	1195.4	1200.4	1207.3	1214.3	1224.3	1234.2
7.5°	1135.5	1132.9	1135.5	1138.8	1142.2	1147.9	1153.5	1161.8	1170.1	1182.0	1193.8
10°	1122.9	1121.7	1122.9	1125.8	1128.7	1134.0	1139.4	1148.8	1158.0	1172.2	1186.4
12.5°	1143.4	1143.0	1143.4	1145.9	1148.3	1154.3	1160.3	1172.3	1184.2	1202.3	1220.4
15°	1180.5	1180.2	1180.5	1183.7	1186.9	1195.2	1203.5	1221.7	1239.9	1265.7	1291.4
17.5°	1212.3	1211.6	1212.3	1216.4	1220.4	1232.8	1245.1	1271.9	1298.8	1332.8	1366.9
20°	1228.6	1227.1	1228.6	1233.7	1238.8	1254.6	1270.4	1303.2	1336.1	1375.0	1414.0
22.5°	1226.8	1224.4	1226.8	1232.4	1238.0	1254.7	1271.3	1305.2	1339.0	1376.2	1413.5
25°	1206.2	1203.1	1206.2	1211.4	1216.7	1231.1	1245.6	1275.6	1305.7	1336.1	1366.7
27.5°	1170.9	1170.1	1170.9	1173.3	1175.7	1185.5	1195.1	1218.5	1241.8	1263.5	1285.3
30°	1123.1	1123.9	1123.1	1123.1	1123.1	1128.1	1133.0	1149.8	1166.5	1183.1	1199.7
32.5°	1065.1	1065.9	1065.1	1064.6	1064.2	1067.4	1070.7	1084.0	1097.4	1112.6	1127.9
35°	1003.7	1003.1	1003.7	1004.7	1005.8	1010.7	1015.6	1027.9	1040.3	1051.1	1061.9
37.5°	941.4	938.8	941.4	946.2	950.9	959.8	968.8	980.2	991.5	996.5	1001.5
40°	882.3	877.1	882.3	891.0	899.8	912.8	925.9	935.5	945.2	944.0	942.8
42.5°	824.3	815.9	824.3	837.1	849.9	866.2	882.4	890.5	898.6	892.5	886.4
45°	772.4	762.7	772.4	787.5	802.5	821.0	839.6	846.9	854.2	845.4	836.7
47.5°	744.9	735.6	744.9	758.8	772.7	789.2	805.7	810.8	815.9	805.8	795.7
50°	733.4	724.4	733.4	746.2	759.1	772.3	785.5	785.7	786.0	773.0	760.1
52.5°	727.3	719.1	727.3	738.8	750.4	761.1	771.9	769.1	766.3	751.0	735.6
55°	720.2	712.7	720.2	730.3	740.4	749.7	759.1	755.3	751.4	735.1	718.8
57.5°	706.6	698.9	706.6	716.7	726.7	736.1	745.6	741.7	737.8	721.4	705.0
60°	687.7	679.7	687.7	698.0	708.4	717.6	726.8	722.6	718.3	701.8	685.3
62.5°	658.5	648.9	658.5	669.3	680.2	688.5	696.9	692.8	688.7	673.6	658.5
65°	*619.4*	*611.1*	*619.4*	*629.9*	*640.4*	*648.4*	*656.4*	*652.3*	*648.1*	*634.8*	*621.5*
67.5°	576.0	568.6	576.0	585.8	595.6	602.9	610.3	606.3	602.2	590.7	579.2
70°	530.3	521.8	530.3	539.6	549.0	555.0	561.0	557.1	553.2	542.8	532.4
72.5°	479.0	470.7	479.0	487.8	496.8	501.8	506.8	502.1	497.4	487.3	477.1
75°	422.2	414.3	422.2	429.7	437.2	439.7	442.1	437.2	432.3	423.1	413.8
77.5°	357.3	351.0	357.3	364.9	372.4	375.9	379.3	374.8	370.2	360.5	350.8
80°	285.2	273.4	285.2	295.4	305.6	307.0	308.5	302.4	296.4	289.0	281.6
82.5°	211.8	204.2	211.8	220.4	229.0	229.7	230.3	220.0	209.7	193.9	178.2
85°	130.7	123.9	130.7	137.4	144.1	145.2	146.3	133.5	120.7	106.0	91.2
87.5°	53.8	50.5	53.8	57.3	60.7	62.1	63.4	58.2	53.1	46.9	40.7
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1
2.5°	1308.8	1316.8	1324.9	1332.9	1342.0	1351.2	1361.4	1371.6	1384.2	1395.6	1407.3
5°	1247.2	1260.1	1274.4	1288.6	1304.8	1320.9	1340.2	1359.5	1381.6	1403.9	1427.6
7.5°	1209.6	1225.5	1243.4	1261.4	1282.6	1303.9	1329.5	1355.1	1383.7	1414.2	1447.2
10°	1204.2	1222.0	1241.4	1260.7	1281.9	1303.2	1330.2	1357.3	1387.9	1425.6	1464.7
12.5°	1238.8	1257.3	1272.4	1287.6	1301.6	1315.8	1337.8	1359.9	1388.5	1428.0	1472.2
15°	1307.4	1323.4	1327.4	1331.3	1329.4	1327.5	1338.0	1348.6	1371.5	1415.2	1466.4
17.5°	1379.8	1392.7	1380.4	1368.1	1344.9	1321.7	1317.9	1314.0	1328.1	1379.6	1441.1
20°	1420.0	1426.0	1400.2	1374.4	1334.1	1293.8	1275.7	1257.6	1261.4	1321.3	1397.6
22.5°	1409.9	1406.3	1372.7	1339.2	1293.1	1247.2	1220.4	1193.7	1186.4	1254.6	1346.5
25°	1354.4	1342.0	1309.0	1276.0	1234.6	1193.3	1162.4	1131.6	1111.9	1181.8	1289.4
27.5°	1271.5	1257.8	1231.3	1204.8	1170.9	1136.9	1107.1	1077.3	1053.4	1117.1	1237.2
30°	1188.5	1177.3	1155.3	1133.3	1105.1	1077.0	1053.2	1029.6	1010.8	1064.3	1193.6
32.5°	1115.4	1103.0	1081.9	1060.8	1038.3	1015.8	1001.8	987.8	979.5	1022.5	1156.0
35°	1047.0	1032.1	1011.2	990.4	973.2	956.1	952.2	948.3	951.8	987.7	1119.0
37.5°	983.1	964.7	943.9	923.1	910.8	898.5	902.7	907.0	919.6	951.0	1075.5
40°	921.5	900.4	880.3	860.2	851.3	842.4	852.0	861.7	881.1	909.5	1023.6
42.5°	863.5	840.6	821.5	802.5	795.2	788.0	800.7	813.5	838.0	864.2	966.3
45°	812.9	789.2	771.1	753.0	746.9	740.8	753.2	765.6	789.3	815.9	905.5
47.5°	772.3	748.9	731.2	713.5	707.8	702.1	712.5	722.9	743.3	777.6	857.3
50°	739.1	718.1	701.5	684.8	675.8	666.9	676.1	685.3	709.0	754.1	825.4
52.5°	716.0	696.5	681.2	665.9	652.5	639.1	648.2	657.3	690.4	742.2	804.3
55°	701.8	684.6	668.2	651.7	632.6	613.5	627.9	642.4	692.2	740.5	789.0
57.5°	688.0	671.1	651.8	632.4	611.9	591.3	612.4	633.5	694.1	736.7	771.0
60°	668.1	650.9	628.7	606.5	588.5	570.4	597.8	625.1	688.3	716.3	743.3
62.5°	640.1	621.8	595.8	569.9	558.5	547.0	581.1	615.3	673.9	677.4	695.2
65°	*604.0*	*586.4*	*558.6*	*530.8*	*526.5*	*522.0*	*558.4*	*594.6*	*639.3*	*638.9*	*647.4*
67.5°	562.6	546.0	520.3	494.7	496.0	497.4	527.6	557.8	582.9	584.1	579.4
70°	518.1	503.7	481.1	458.6	463.4	468.2	489.7	511.1	519.4	519.4	497.5
72.5°	464.1	451.1	433.4	415.7	422.6	429.7	444.4	459.1	459.0	453.8	422.8
75°	402.1	390.3	377.1	363.9	370.7	377.4	388.8	400.1	402.1	378.1	343.3
77.5°	340.7	330.6	319.9	309.1	315.9	322.7	331.8	340.9	342.0	302.4	268.6
80°	273.1	264.6	255.7	246.8	252.5	258.2	265.9	273.5	273.7	226.3	197.8
82.5°	181.2	184.1	184.9	185.6	189.7	193.7	197.4	201.2	198.9	158.5	137.4
85°	99.5	107.7	111.6	115.4	119.9	124.5	128.4	132.4	129.5	99.5	84.0
87.5°	47.0	53.3	53.5	53.6	54.5	55.3	56.9	58.5	54.8	42.3	36.0
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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REPORT NUMBER: P1203115
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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1	1386.1
2.5°	1419.0	1431.2	1443.4	1455.6	1467.7	1479.2	1490.6
5°	1451.2	1476.6	1501.9	1527.1	1552.3	1577.6	1602.8
7.5°	1480.2	1517.7	1555.2	1593.7	1632.2	1673.9	1715.6
10°	1503.7	1549.3	1594.9	1645.7	1696.6	1749.3	1802.0
12.5°	1516.4	1570.1	1623.8	1681.5	1739.2	1797.0	1854.9
15°	1517.6	1579.4	1641.3	1703.8	1766.4	1826.8	1887.1
17.5°	1502.7	1574.5	1646.3	1714.5	1782.8	1844.0	1905.2
20°	1473.8	1560.9	1647.9	1722.9	1797.9	1861.5	1925.2
22.5°	1438.3	1544.2	1650.0	1734.2	1818.2	1883.3	1948.3
25°	1397.0	1527.7	1658.4	1754.6	1850.7	1914.4	1978.1
27.5°	1357.4	1516.7	1676.0	1786.5	1897.0	1957.8	2018.5
30°	1322.9	1511.5	1700.0	1827.8	1955.6	2014.3	2073.0
32.5°	1289.4	1505.1	1720.7	1871.0	2021.2	2079.2	2137.4
35°	1250.4	1493.1	1736.0	1920.1	2104.2	2159.9	2215.6
37.5°	1200.0	1472.5	1745.0	1975.1	2205.3	2276.2	2347.2
40°	1137.7	1444.2	1750.7	2045.0	2339.3	2442.7	2546.1
42.5°	1068.4	1414.9	1761.5	2136.5	2511.4	2660.7	2809.9
45°	995.0	1387.7	1780.5	2256.8	2733.1	2934.4	3135.7
47.5°	937.1	1365.3	1793.5	2385.0	2976.4	3259.8	3543.1
50°	896.6	1340.8	1785.0	2503.9	3222.8	3650.0	4077.1
52.5°	866.4	1299.5	1732.6	2581.1	3429.6	4059.9	4690.1
55°	837.6	1231.0	1624.4	2564.1	3503.8	4423.2	5342.8
57.5°	805.3	1134.4	1463.5	2444.3	3425.2	4680.8	5936.3
60°	770.3	1009.0	1247.7	2221.4	3195.1	4745.1	6295.1
62.5°	713.1	858.9	1004.6	1920.0	2835.4	4474.1	6112.9
65°	*655.8*	*723.8*	*791.9*	*1612.5*	*2433.1*	*4090.7*	*5748.3*
67.5°	574.7	594.1	613.4	1311.2	2009.0	3634.4	5259.8
70°	475.6	470.1	464.6	1032.4	1600.2	3136.5	4672.9
72.5°	391.7	375.0	358.4	789.3	1220.1	2596.8	3973.4
75°	308.5	293.4	278.3	572.8	867.4	1978.0	3088.6
77.5°	234.8	224.5	214.2	388.2	562.1	1384.4	2206.8
80°	169.1	164.9	160.6	250.1	339.6	892.0	1444.3
82.5°	116.4	115.5	114.8	153.8	193.0	516.2	839.6
85°	68.6	69.0	69.4	82.2	95.1	232.2	369.4
87.5°	29.7	30.1	30.4	34.1	37.8	76.1	114.4
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

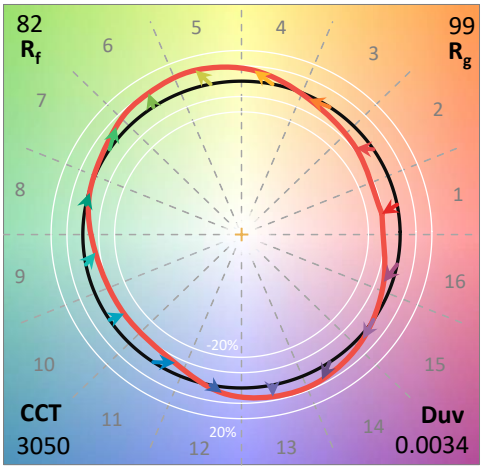
Test Information

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

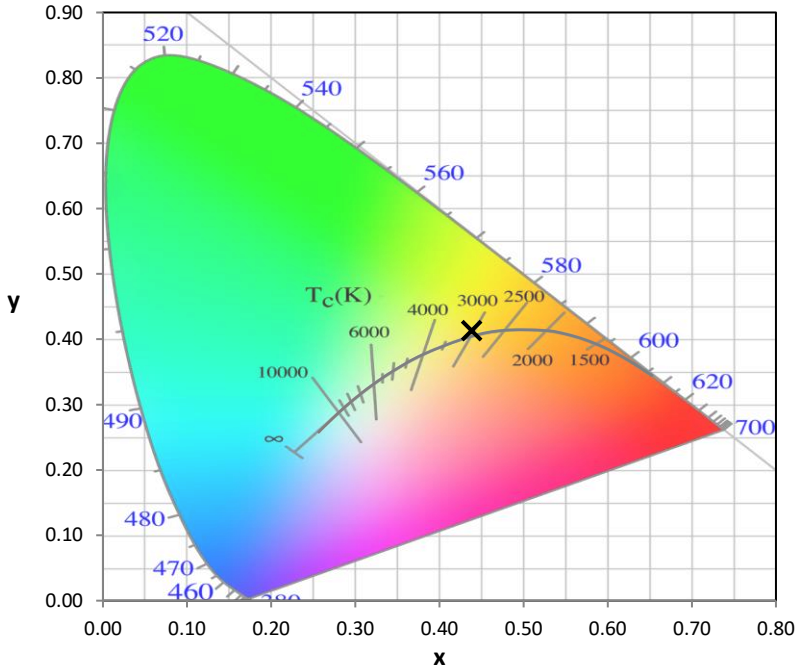
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

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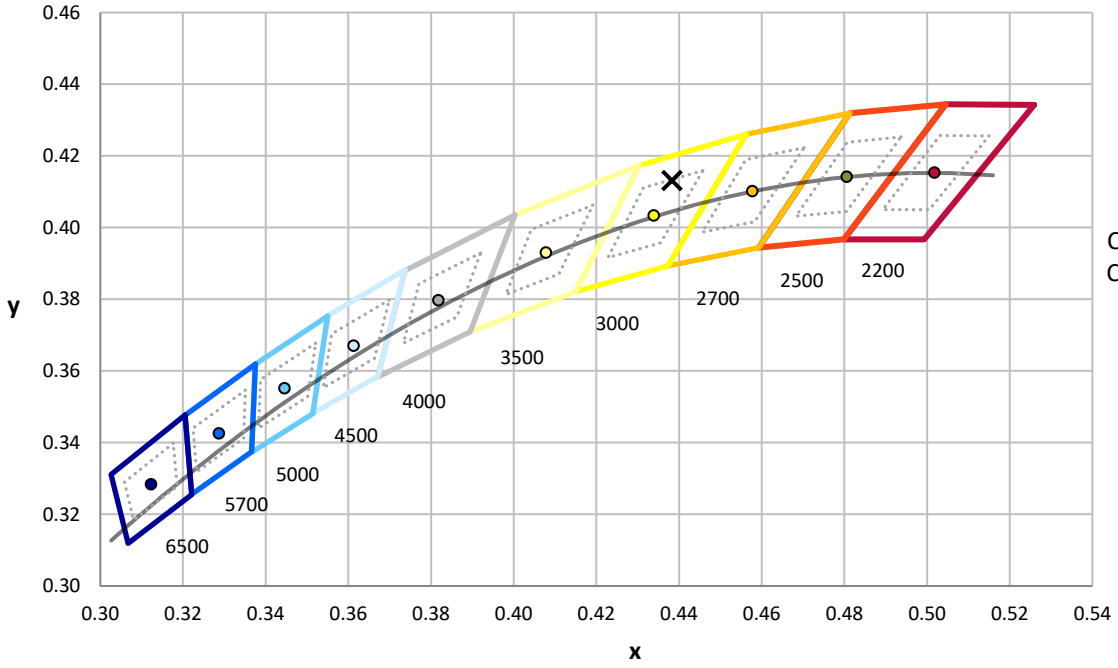
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

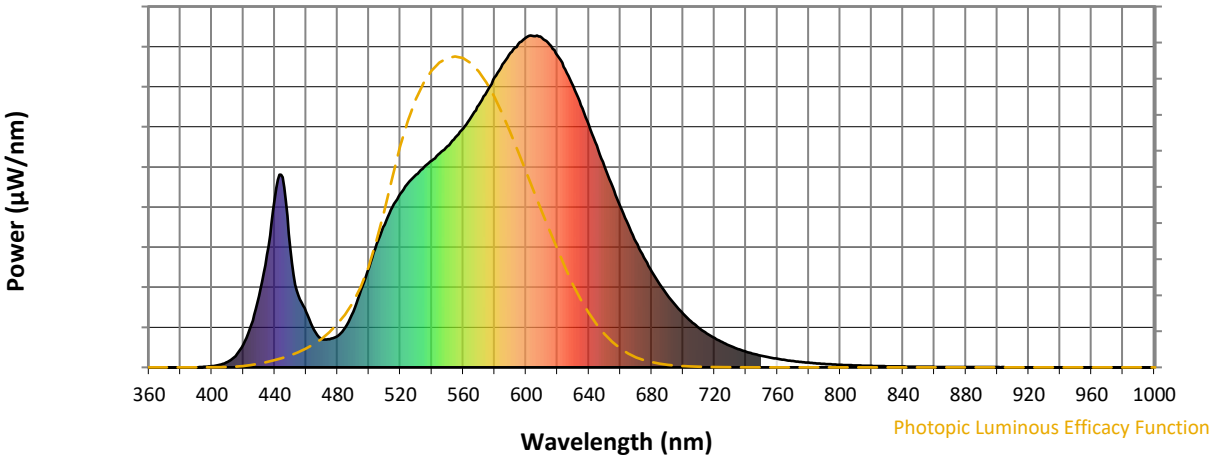


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

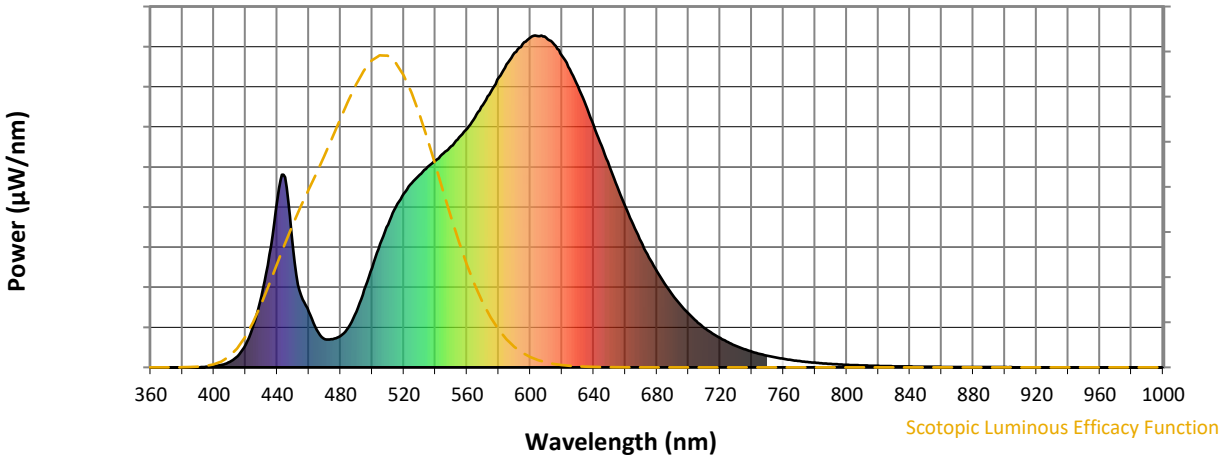


Photopic Lumens: NR

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

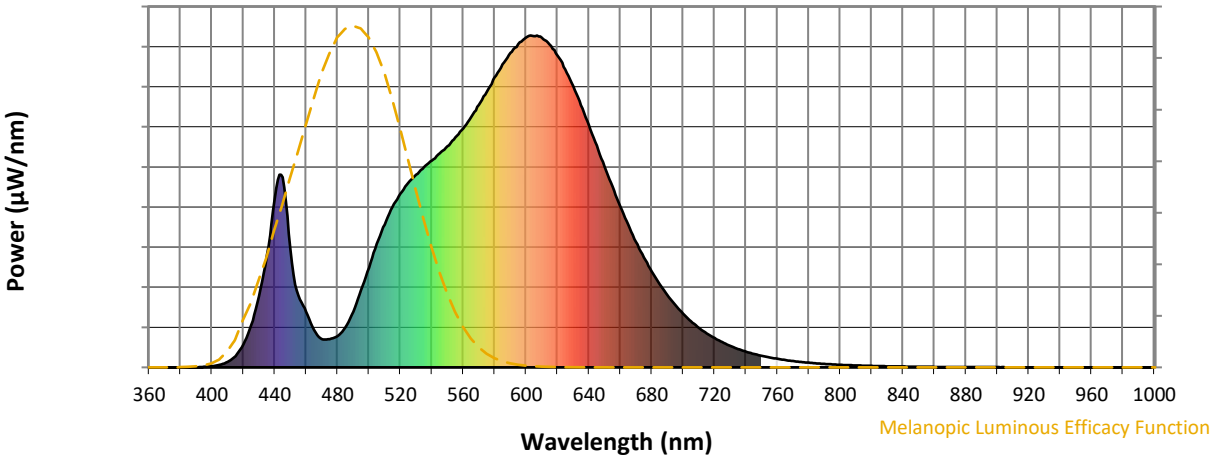


Scotopic Lumens: NR **S/P: 1.27**

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			

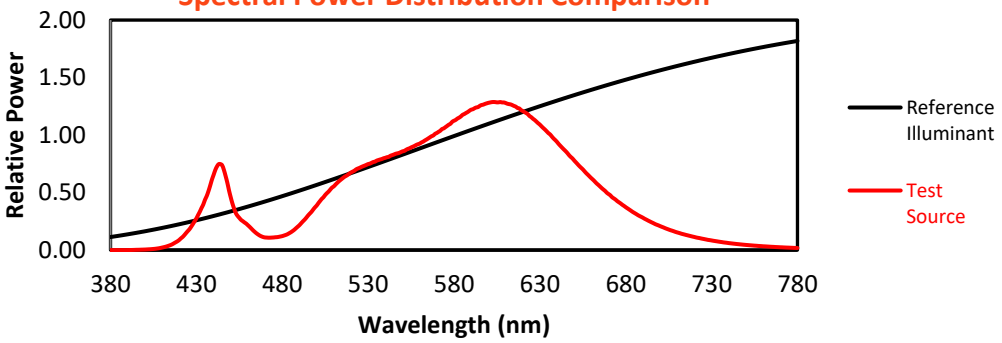
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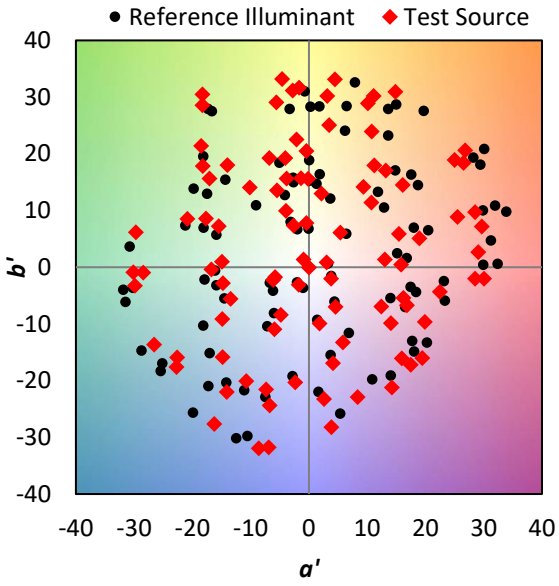
Summary

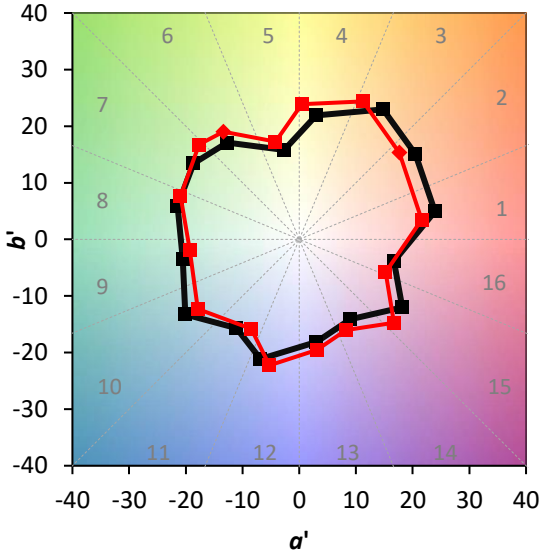
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

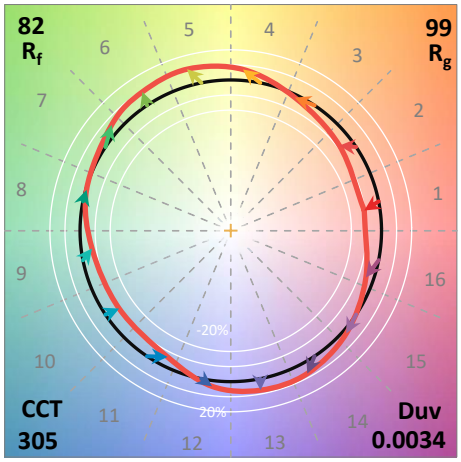
Spectral Power Distribution Comparison

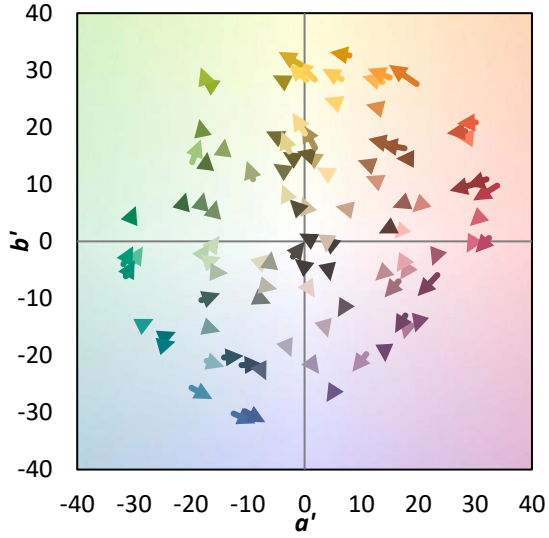


Color Vector Graphics







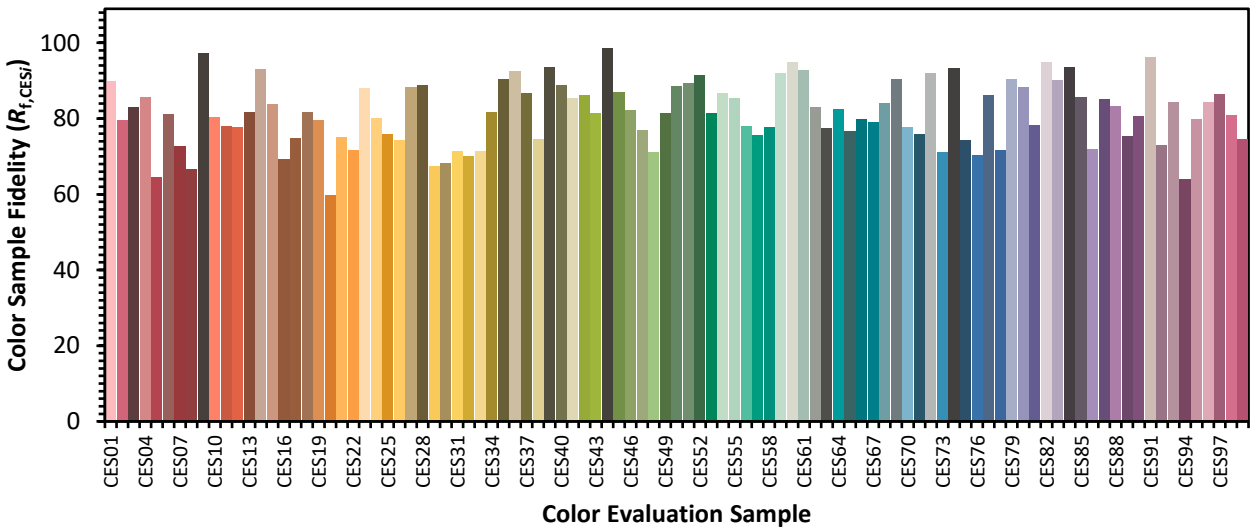


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Individual Sample Fidelity Index ($R_{f,i}$)

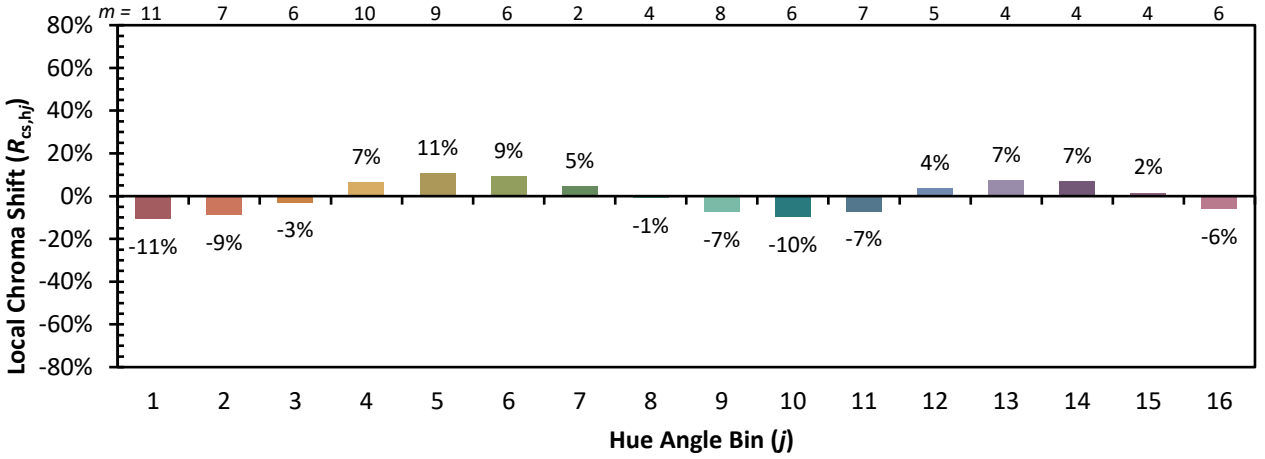
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

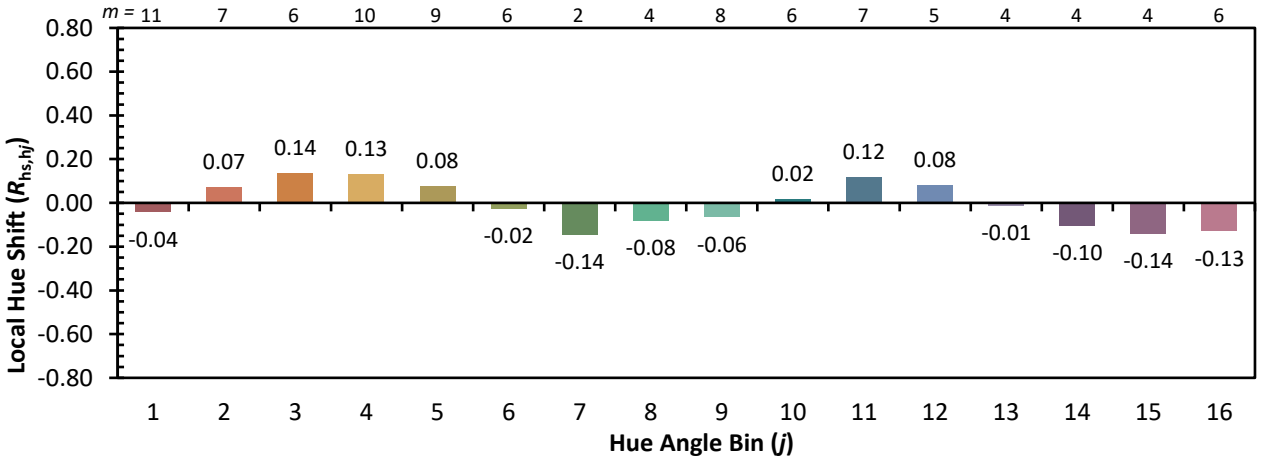


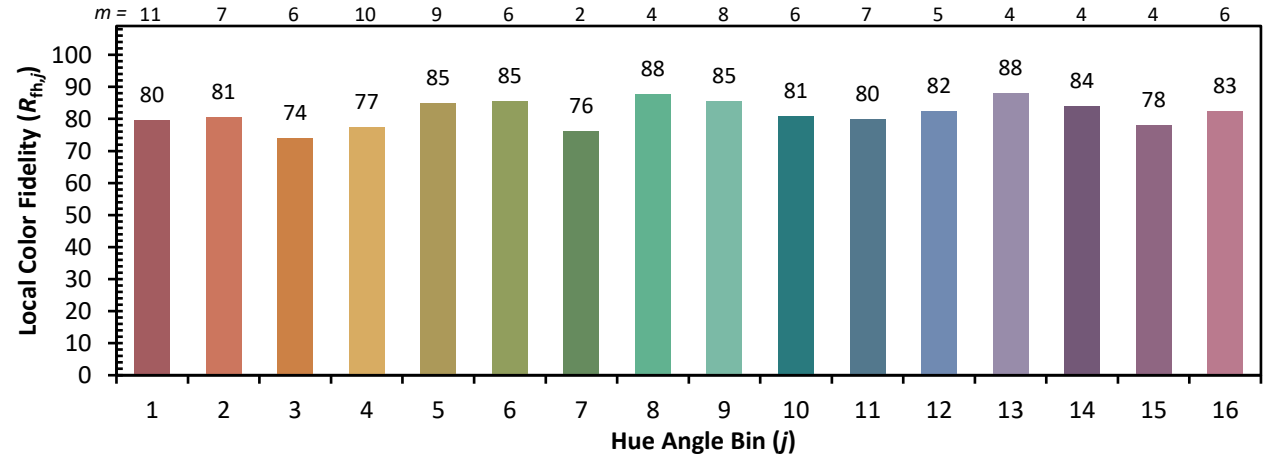
REPORT NUMBER: SP1-2408-195-9

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Color Rendition by Hue-Angle Bin



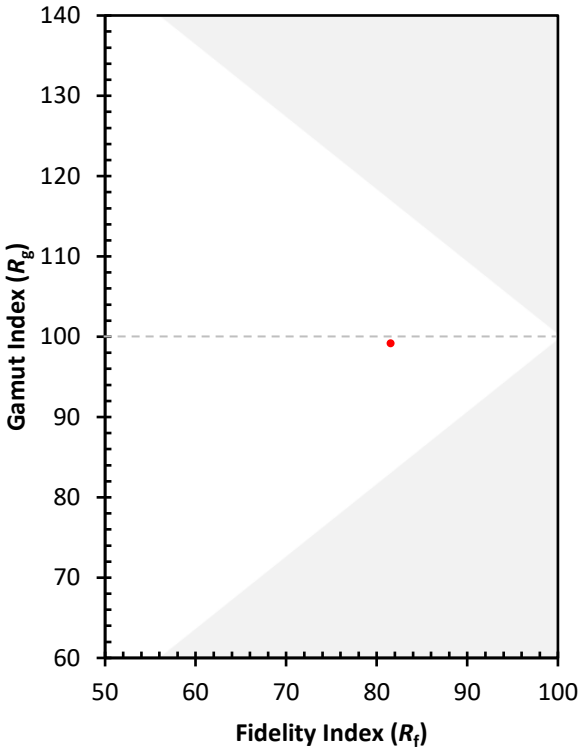


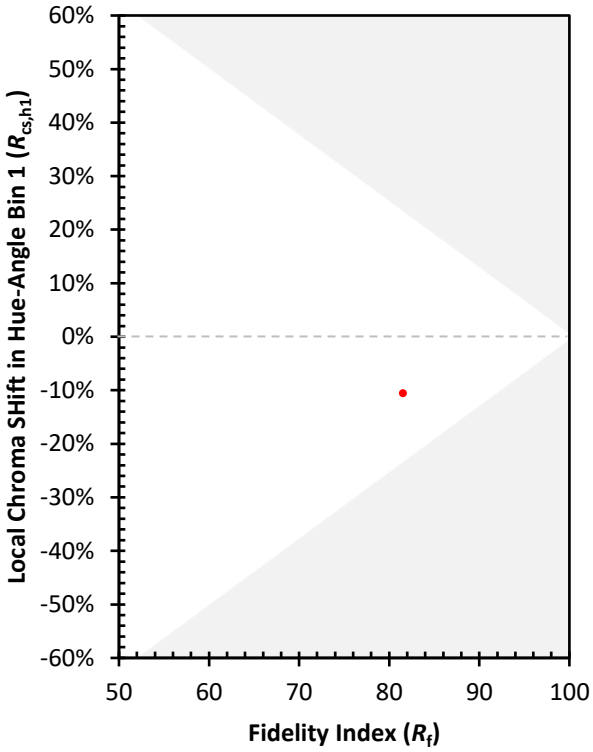


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Measure Comparisons





(END OF REPORT)