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: P1203491

Luminaire Tested: GWC-SB2C-830-U-SLR

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203491
	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-SB2C-830-U-SLR
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 615mA 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:	13406 lumens
Efficiency:	N/A
Efficacy:	132.9 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):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

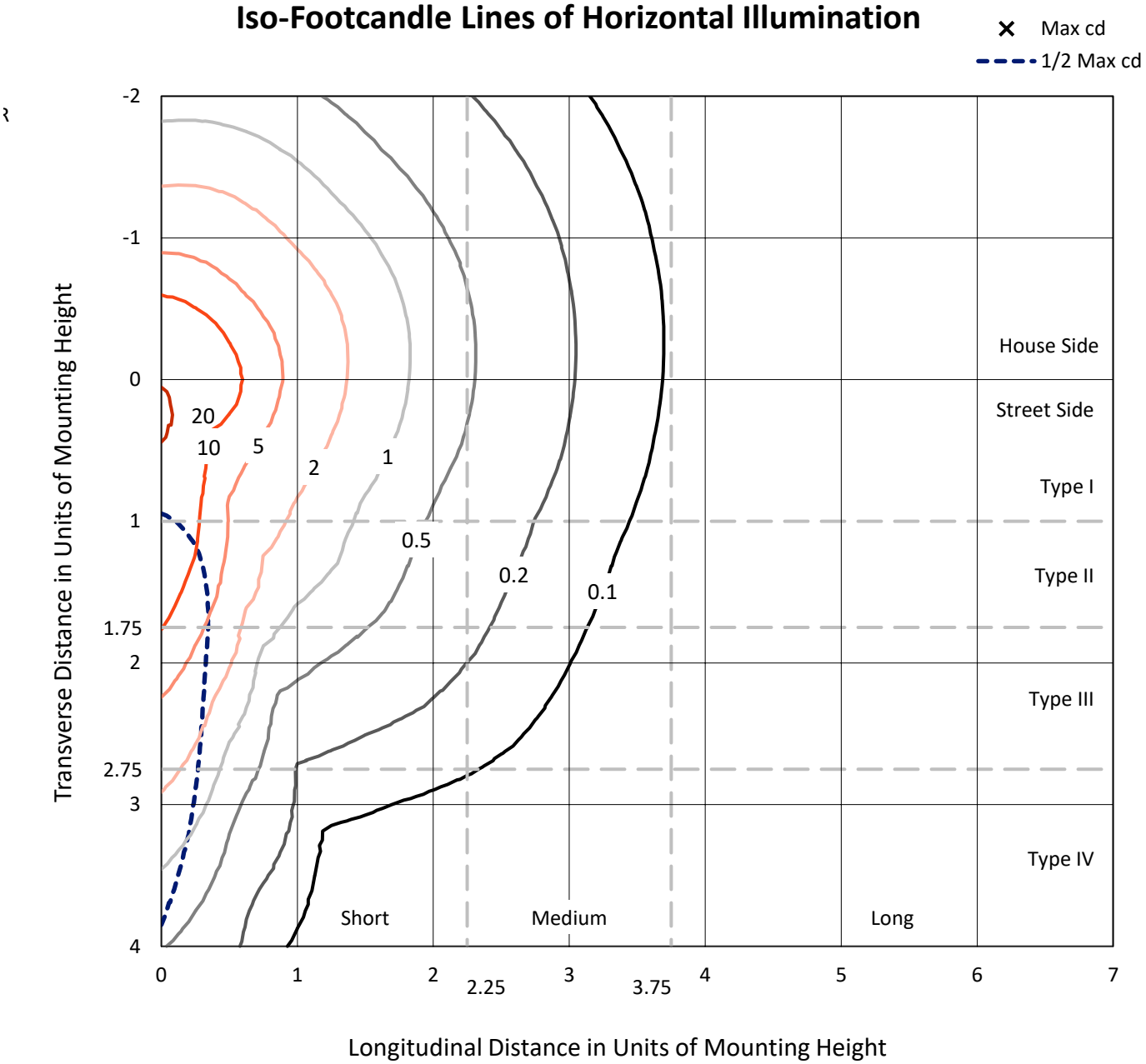


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Iso-Footcandle Lines of Horizontal Illumination



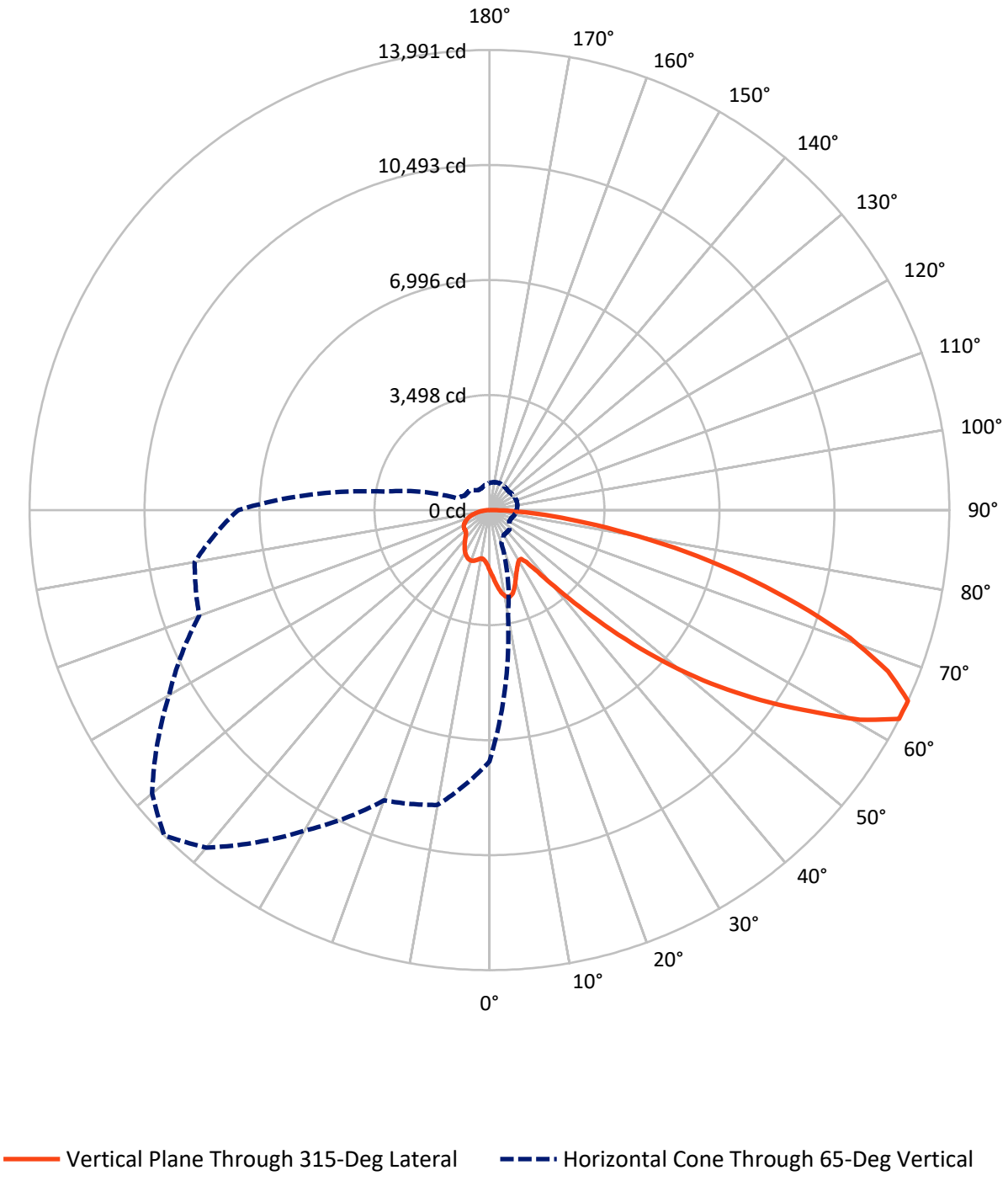
Based on 10 foot mounting height. Maximum calculated value = 19.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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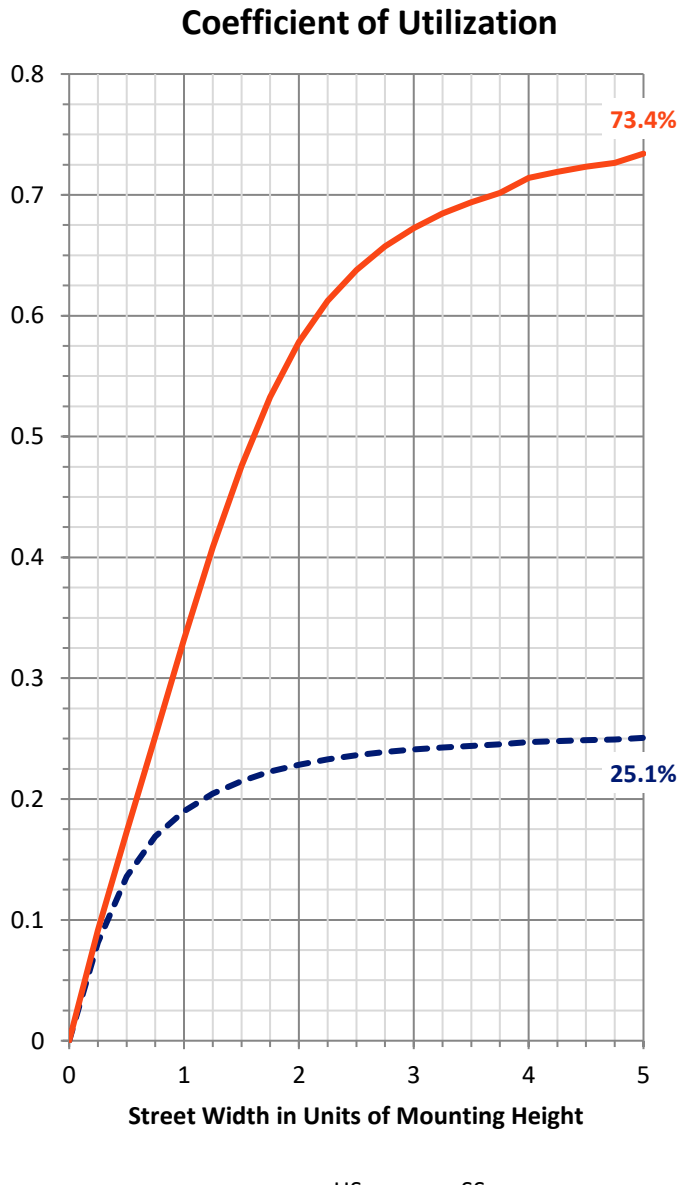
REPORT NUMBER: P1203491
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3407.1	0.0	3407.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	9998.9	0.0	9998.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	13406.0	0.0	13406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	1.4
10°-20°	574.1	4.3
20°-30°	886.7	6.6
30°-40°	1123.7	8.4
40°-50°	1694.8	12.6
50°-60°	2738.2	20.4
60°-70°	3413.7	25.5
70°-80°	2238.5	16.7
80°-90°	553.4	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°	13406.0	100.0
0°-180°	13406.0	100.0



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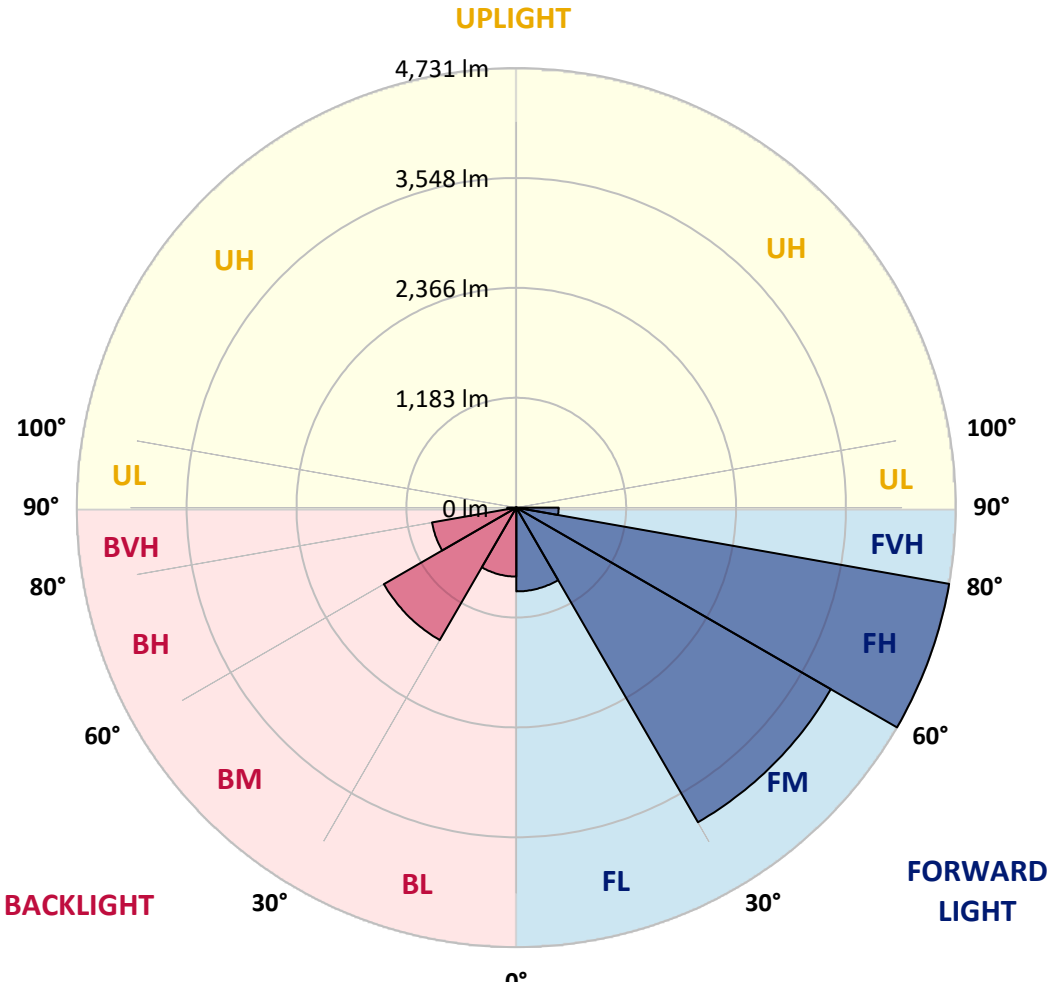
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	901.7	6.7			
FM	(30°-60°)	3910.2	29.2			
FH	(60°-80°)	4731.0	35.3			G2/5000
FVH	(80°-90°)	455.9	3.4			G3/500
BL	(0°-30°)	741.9	5.5	B2/1000		
BM	(30°-60°)	1646.5	12.3	B2/2500		
BH	(60°-80°)	921.1	6.9	B2/1000		G2/1000
BVH	(80°-90°)	97.5	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°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1982.4	1967.2	1952.0	1935.8	1919.7	1903.4	1887.2	1871.6	1856.0	1841.0	1824.2
5°	2131.7	2098.1	2064.5	2031.0	1997.5	1963.8	1930.1	1898.6	1867.1	1837.4	1808.1
7.5°	2281.7	2226.2	2170.8	2119.6	2068.4	2018.5	1968.6	1924.7	1880.8	1840.3	1802.3
10°	2396.6	2326.5	2256.4	2188.7	2121.1	2060.5	1999.9	1948.0	1895.9	1845.9	1805.1
12.5°	2467.0	2390.0	2313.0	2236.3	2159.6	2088.2	2016.7	1958.0	1899.2	1846.6	1808.6
15°	2509.8	2429.5	2349.2	2266.0	2182.8	2100.6	2018.3	1950.3	1882.2	1824.0	1793.6
17.5°	2533.8	2452.4	2371.0	2280.2	2189.5	2094.0	1998.5	1916.7	1834.8	1766.3	1747.6
20°	2560.4	2475.8	2391.1	2291.4	2191.6	2075.9	1960.2	1858.7	1757.3	1677.6	1672.6
22.5°	2591.1	2504.7	2418.2	2306.4	2194.4	2053.7	1912.9	1790.7	1668.6	1577.8	1587.5
25°	2630.8	2546.0	2461.3	2333.5	2205.6	2031.7	1857.9	1714.8	1571.8	1478.8	1505.0
27.5°	2684.5	2603.7	2522.9	2376.0	2229.0	2017.1	1805.2	1645.4	1485.6	1401.0	1432.8
30°	2757.0	2678.9	2600.9	2430.9	2260.9	2010.2	1759.4	1587.4	1415.5	1344.4	1369.4
32.5°	2842.6	2765.3	2688.1	2488.3	2288.5	2001.8	1714.8	1537.4	1359.9	1302.6	1313.8
35°	2946.6	2872.6	2798.5	2553.7	2308.8	1985.8	1662.9	1488.3	1313.6	1265.9	1261.3
37.5°	3121.7	3027.3	2933.0	2626.9	2320.8	1958.4	1596.0	1430.4	1264.8	1223.1	1206.2
40°	3386.2	3248.7	3111.2	2719.8	2328.4	1920.7	1513.1	1361.4	1209.6	1171.8	1146.0
42.5°	3737.1	3538.6	3340.1	2841.4	2342.7	1881.8	1421.0	1285.2	1149.4	1114.5	1081.9
45°	4170.4	3902.6	3634.9	3001.4	2368.0	1845.6	1323.4	1204.2	1085.1	1049.8	1018.3
47.5°	4712.2	4335.4	3958.5	3171.9	2385.3	1815.8	1246.3	1140.2	1034.2	988.6	961.5
50°	5422.4	4854.3	4286.2	3330.1	2374.0	1783.2	1192.5	1097.7	1002.9	942.9	911.5
52.5°	6237.7	5399.5	4561.2	3432.8	2304.3	1728.3	1152.3	1069.7	987.2	918.2	874.2
55°	7105.7	5882.7	4659.9	3410.2	2160.3	1637.2	1114.0	1049.4	984.8	920.7	854.4
57.5°	7895.1	6225.3	4555.4	3250.8	1946.4	1508.7	1071.0	1025.4	979.7	923.1	842.5
60°	8372.2	6310.8	4249.4	2954.4	1659.4	1341.9	1024.4	988.6	952.7	915.4	831.3
62.5°	8130.0	5950.4	3770.9	2553.5	1336.1	1142.3	948.5	924.6	900.9	896.3	818.3
65°	*7645.0*	*5440.5*	*3235.9*	*2144.5*	*1053.2*	*962.7*	*872.2*	*861.0*	*849.7*	*850.3*	*790.9*
67.5°	6995.3	4833.6	2671.9	1743.8	815.8	790.1	764.3	770.6	776.8	775.3	741.9
70°	6214.7	4171.4	2128.2	1373.0	617.9	625.3	632.5	661.7	690.8	690.8	679.8
72.5°	5284.5	3453.6	1622.7	1049.7	476.6	498.8	521.0	562.3	603.5	610.5	610.6
75°	4107.8	2630.7	1153.6	761.9	370.1	390.2	410.3	456.5	502.8	534.8	532.1
77.5°	2934.9	1841.2	747.6	516.2	284.9	298.6	312.3	357.2	402.1	454.8	453.4
80°	1920.9	1186.3	451.7	332.6	213.6	219.3	224.9	263.0	301.0	363.9	363.7
82.5°	1116.6	686.6	256.6	204.6	152.7	153.6	154.8	182.8	210.8	264.6	267.5
85°	491.3	308.8	126.5	109.4	92.3	91.8	91.3	111.8	132.3	172.2	176.1
87.5°	152.1	101.2	50.2	45.3	40.5	40.0	39.5	47.8	56.2	72.9	77.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1810.6	1797.1	1784.9	1772.7	1762.0	1751.3	1740.6	1729.9	1721.6	1713.3	1706.6
5°	1782.5	1756.8	1735.3	1713.8	1694.9	1675.9	1658.7	1641.5	1628.3	1615.0	1605.7
7.5°	1768.2	1734.1	1705.9	1677.6	1653.7	1629.8	1608.7	1587.7	1571.9	1556.2	1545.2
10°	1769.2	1733.2	1704.9	1676.6	1651.0	1625.2	1601.5	1577.8	1559.0	1540.1	1527.8
12.5°	1779.2	1749.9	1731.1	1712.4	1692.2	1672.1	1647.6	1623.1	1599.0	1575.0	1559.1
15°	1779.5	1765.5	1768.0	1770.6	1765.3	1760.1	1738.8	1717.5	1683.3	1649.1	1624.9
17.5°	1752.8	1757.8	1788.7	1819.5	1835.9	1852.3	1835.1	1818.0	1772.6	1727.3	1691.6
20°	1696.7	1720.7	1774.3	1827.9	1862.2	1896.5	1888.6	1880.6	1828.7	1776.9	1733.2
22.5°	1623.1	1658.7	1719.8	1781.0	1825.7	1870.3	1875.1	1879.9	1830.4	1780.8	1735.8
25°	1546.0	1587.0	1642.0	1697.0	1740.9	1784.9	1801.3	1817.6	1777.0	1736.5	1696.4
27.5°	1472.4	1512.0	1557.2	1602.4	1637.6	1672.8	1691.1	1709.4	1680.5	1651.6	1620.5
30°	1400.8	1432.3	1469.8	1507.3	1536.5	1565.8	1580.6	1595.5	1573.5	1551.4	1529.2
32.5°	1332.4	1351.0	1380.9	1410.9	1438.9	1467.0	1483.5	1500.0	1479.8	1459.5	1441.7
35°	1266.4	1271.5	1294.4	1317.1	1344.9	1372.7	1392.5	1412.3	1397.9	1383.5	1367.1
37.5°	1200.6	1194.9	1211.3	1227.7	1255.3	1283.1	1307.5	1332.0	1325.4	1318.7	1303.6
40°	1133.2	1120.4	1132.2	1144.0	1170.7	1197.5	1225.6	1253.8	1255.5	1257.0	1244.2
42.5°	1065.0	1048.0	1057.6	1067.3	1092.6	1118.0	1148.4	1178.9	1187.0	1195.1	1184.3
45°	1001.7	985.2	993.3	1001.5	1025.6	1049.6	1081.2	1112.7	1124.4	1136.1	1126.3
47.5°	947.6	933.7	941.4	949.0	972.5	996.0	1027.1	1058.2	1071.7	1085.1	1078.3
50°	899.2	886.9	898.8	910.8	933.0	955.1	983.0	1010.9	1028.1	1045.4	1044.9
52.5°	862.0	849.9	867.8	885.6	906.0	926.3	952.3	978.3	998.8	1019.2	1022.9
55°	835.1	816.0	841.4	866.7	888.6	910.5	933.3	956.0	977.7	999.4	1004.5
57.5°	814.5	786.5	813.8	841.1	866.8	892.6	915.1	937.6	959.5	981.3	986.4
60°	795.0	758.7	782.6	806.6	836.1	865.7	888.5	911.5	933.4	955.3	961.0
62.5°	772.9	727.5	742.8	758.0	792.4	826.9	851.3	875.7	895.8	915.9	921.4
65°	*742.6*	*694.3*	*700.2*	*706.0*	*742.9*	*779.9*	*803.2*	*826.6*	*844.3*	*861.9*	*867.5*
67.5°	701.7	661.5	659.7	657.9	692.0	726.1	748.3	770.3	785.6	800.9	806.3
70°	651.2	622.6	616.3	609.9	639.9	669.9	689.0	708.1	721.9	735.7	740.9
72.5°	591.0	571.4	562.1	552.8	576.4	600.0	617.3	634.5	648.0	661.5	667.8
75°	517.0	501.9	493.0	484.0	501.5	519.1	534.7	550.3	562.7	575.0	581.5
77.5°	441.3	429.2	420.2	411.1	425.4	439.6	453.1	466.5	479.5	492.3	498.4
80°	353.6	343.4	335.9	328.2	340.1	351.9	363.2	374.6	384.4	394.2	402.2
82.5°	262.6	257.6	252.3	246.9	245.9	244.9	240.9	237.0	257.9	278.9	292.6
85°	170.8	165.5	159.5	153.5	148.4	143.2	132.3	121.3	140.9	160.6	177.6
87.5°	75.7	73.6	72.4	71.3	71.1	70.9	62.5	54.1	62.3	70.6	77.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1699.8	1694.6	1689.4	1684.6	1679.7	1673.7	1679.7	1684.6	1689.4	1694.6	1699.8
5°	1596.4	1589.8	1583.3	1578.2	1573.2	1568.3	1573.2	1578.2	1583.3	1589.8	1596.4
7.5°	1534.2	1526.6	1519.1	1514.6	1510.1	1506.7	1510.1	1514.6	1519.1	1526.6	1534.2
10°	1515.4	1508.2	1501.1	1497.2	1493.4	1491.9	1493.4	1497.2	1501.1	1508.2	1515.4
12.5°	1543.2	1535.2	1527.2	1524.0	1520.7	1520.2	1520.7	1524.0	1527.2	1535.2	1543.2
15°	1600.7	1589.6	1578.5	1574.3	1570.0	1569.7	1570.0	1574.3	1578.5	1589.6	1600.7
17.5°	1656.0	1639.6	1623.1	1617.7	1612.3	1611.4	1612.3	1617.7	1623.1	1639.6	1656.0
20°	1689.6	1668.6	1647.5	1640.8	1634.1	1631.9	1634.1	1640.8	1647.5	1668.6	1689.6
22.5°	1690.8	1668.6	1646.4	1639.0	1631.6	1628.4	1631.6	1639.0	1646.4	1668.6	1690.8
25°	1656.5	1637.3	1618.1	1611.1	1604.2	1600.1	1604.2	1611.1	1618.1	1637.3	1656.5
27.5°	1589.5	1576.6	1563.7	1560.5	1557.3	1556.2	1557.3	1560.5	1563.7	1576.6	1589.5
30°	1506.9	1500.3	1493.6	1493.6	1493.6	1494.7	1493.6	1493.6	1493.6	1500.3	1506.9
32.5°	1424.0	1419.6	1415.3	1415.9	1416.5	1417.6	1416.5	1415.9	1415.3	1419.6	1424.0
35°	1350.7	1344.2	1337.7	1336.2	1334.8	1334.1	1334.8	1336.2	1337.7	1344.2	1350.7
37.5°	1288.5	1276.5	1264.7	1258.4	1252.1	1248.5	1252.1	1258.4	1264.7	1276.5	1288.5
40°	1231.4	1214.0	1196.8	1185.0	1173.4	1166.5	1173.4	1185.0	1196.8	1214.0	1231.4
42.5°	1173.5	1152.0	1130.4	1113.4	1096.3	1085.1	1096.3	1113.4	1130.4	1152.0	1173.5
45°	1116.6	1091.9	1067.3	1047.3	1027.3	1014.4	1027.3	1047.3	1067.3	1091.9	1116.6
47.5°	1071.5	1049.6	1027.7	1009.2	990.7	978.3	990.7	1009.2	1027.7	1049.6	1071.5
50°	1044.7	1027.1	1009.6	992.5	975.3	963.5	975.3	992.5	1009.6	1027.1	1044.7
52.5°	1026.6	1012.3	998.0	982.6	967.3	956.4	967.3	982.6	998.0	1012.3	1026.6
55°	1009.6	997.1	984.7	971.2	957.8	947.9	957.8	971.2	984.7	997.1	1009.6
57.5°	991.6	979.0	966.4	953.1	939.8	929.5	939.8	953.1	966.4	979.0	991.6
60°	966.6	954.3	942.1	928.4	914.6	904.0	914.6	928.4	942.1	954.3	966.6
62.5°	926.8	915.7	904.6	890.2	875.7	863.0	875.7	890.2	904.6	915.7	926.8
65°	*873.1*	*862.4*	*851.7*	*837.7*	*823.7*	*812.8*	*823.7*	*837.7*	*851.7*	*862.4*	*873.1*
67.5°	811.7	801.9	792.1	779.1	766.1	756.2	766.1	779.1	792.1	801.9	811.7
70°	746.1	738.2	730.2	717.7	705.3	693.9	705.3	717.7	730.2	738.2	746.1
72.5°	674.0	667.3	660.7	648.8	637.0	626.0	637.0	648.8	660.7	667.3	674.0
75°	588.0	584.7	581.5	571.5	561.5	551.1	561.5	571.5	581.5	584.7	588.0
77.5°	504.5	500.0	495.3	485.3	475.2	466.9	475.2	485.3	495.3	500.0	504.5
80°	410.3	408.3	406.4	392.9	379.3	363.6	379.3	392.9	406.4	408.3	410.3
82.5°	306.3	305.4	304.5	293.1	281.7	271.6	281.7	293.1	304.5	305.4	306.3
85°	194.5	193.1	191.7	182.8	173.9	164.8	173.9	182.8	191.7	193.1	194.5
87.5°	84.3	82.6	80.8	76.3	71.6	67.2	71.6	76.3	80.8	82.6	84.3
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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1203491
CATALOG NUMBER: GWC-SB2C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1706.6	1713.3	1721.6	1729.9	1740.6	1751.3	1762.0	1772.7	1784.9	1797.1	1810.6
5°	1605.7	1615.0	1628.3	1641.5	1658.7	1675.9	1694.9	1713.8	1735.3	1756.8	1782.5
7.5°	1545.2	1556.2	1571.9	1587.7	1608.7	1629.8	1653.7	1677.6	1705.9	1734.1	1768.2
10°	1527.8	1540.1	1559.0	1577.8	1601.5	1625.2	1651.0	1676.6	1704.9	1733.2	1769.2
12.5°	1559.1	1575.0	1599.0	1623.1	1647.6	1672.1	1692.2	1712.4	1731.1	1749.9	1779.2
15°	1624.9	1649.1	1683.3	1717.5	1738.8	1760.1	1765.3	1770.6	1768.0	1765.5	1779.5
17.5°	1691.6	1727.3	1772.6	1818.0	1835.1	1852.3	1835.9	1819.5	1788.7	1757.8	1752.8
20°	1733.2	1776.9	1828.7	1880.6	1888.6	1896.5	1862.2	1827.9	1774.3	1720.7	1696.7
22.5°	1735.8	1780.8	1830.4	1879.9	1875.1	1870.3	1825.7	1781.0	1719.8	1658.7	1623.1
25°	1696.4	1736.5	1777.0	1817.6	1801.3	1784.9	1740.9	1697.0	1642.0	1587.0	1546.0
27.5°	1620.5	1651.6	1680.5	1709.4	1691.1	1672.8	1637.6	1602.4	1557.2	1512.0	1472.4
30°	1529.2	1551.4	1573.5	1595.5	1580.6	1565.8	1536.5	1507.3	1469.8	1432.3	1400.8
32.5°	1441.7	1459.5	1479.8	1500.0	1483.5	1467.0	1438.9	1410.9	1380.9	1351.0	1332.4
35°	1367.1	1383.5	1397.9	1412.3	1392.5	1372.7	1344.9	1317.1	1294.4	1271.5	1266.4
37.5°	1303.6	1318.7	1325.4	1332.0	1307.5	1283.1	1255.3	1227.7	1211.3	1194.9	1200.6
40°	1244.2	1257.0	1255.5	1253.8	1225.6	1197.5	1170.7	1144.0	1132.2	1120.4	1133.2
42.5°	1184.3	1195.1	1187.0	1178.9	1148.4	1118.0	1092.6	1067.3	1057.6	1048.0	1065.0
45°	1126.3	1136.1	1124.4	1112.7	1081.2	1049.6	1025.6	1001.5	993.3	985.2	1001.7
47.5°	1078.3	1085.1	1071.7	1058.2	1027.1	996.0	972.5	949.0	941.4	933.7	947.6
50°	1044.9	1045.4	1028.1	1010.9	983.0	955.1	933.0	910.8	898.8	886.9	899.2
52.5°	1022.9	1019.2	998.8	978.3	952.3	926.3	906.0	885.6	867.8	849.9	862.0
55°	1004.5	999.4	977.7	956.0	933.3	910.5	888.6	866.7	841.4	816.0	835.1
57.5°	986.4	981.3	959.5	937.6	915.1	892.6	866.8	841.1	813.8	786.5	814.5
60°	961.0	955.3	933.4	911.5	888.5	865.7	836.1	806.6	782.6	758.7	795.0
62.5°	921.4	915.9	895.8	875.7	851.3	826.9	792.4	758.0	742.8	727.5	772.9
65°	*867.5*	*861.9*	*844.3*	*826.6*	*803.2*	*779.9*	*742.9*	*706.0*	*700.2*	*694.3*	*742.6*
67.5°	806.3	800.9	785.6	770.3	748.3	726.1	692.0	657.9	659.7	661.5	701.7
70°	740.9	735.7	721.9	708.1	689.0	669.9	639.9	609.9	616.3	622.6	651.2
72.5°	667.8	661.5	648.0	634.5	617.3	600.0	576.4	552.8	562.1	571.4	591.0
75°	581.5	575.0	562.7	550.3	534.7	519.1	501.5	484.0	493.0	501.9	517.0
77.5°	498.4	492.3	479.5	466.5	453.1	439.6	425.4	411.1	420.2	429.2	441.3
80°	402.2	394.2	384.4	374.6	363.2	351.9	340.1	328.2	335.9	343.4	353.6
82.5°	292.6	278.9	257.9	237.0	240.9	244.9	245.9	246.9	252.3	257.6	262.6
85°	177.6	160.6	140.9	121.3	132.3	143.2	148.4	153.5	159.5	165.5	170.8
87.5°	77.5	70.6	62.3	54.1	62.5	70.9	71.1	71.3	72.4	73.6	75.7
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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1203491
CATALOG NUMBER: GWC-SB2C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1824.2	1841.0	1856.0	1871.6	1887.2	1903.4	1919.7	1935.8	1952.0	1967.2	1982.4
5°	1808.1	1837.4	1867.1	1898.6	1930.1	1963.8	1997.5	2031.0	2064.5	2098.1	2131.7
7.5°	1802.3	1840.3	1880.8	1924.7	1968.6	2018.5	2068.4	2119.6	2170.8	2226.2	2281.7
10°	1805.1	1845.9	1895.9	1948.0	1999.9	2060.5	2121.1	2188.7	2256.4	2326.5	2396.6
12.5°	1808.6	1846.6	1899.2	1958.0	2016.7	2088.2	2159.6	2236.3	2313.0	2390.0	2467.0
15°	1793.6	1824.0	1882.2	1950.3	2018.3	2100.6	2182.8	2266.0	2349.2	2429.5	2509.8
17.5°	1747.6	1766.3	1834.8	1916.7	1998.5	2094.0	2189.5	2280.2	2371.0	2452.4	2533.8
20°	1672.6	1677.6	1757.3	1858.7	1960.2	2075.9	2191.6	2291.4	2391.1	2475.8	2560.4
22.5°	1587.5	1577.8	1668.6	1790.7	1912.9	2053.7	2194.4	2306.4	2418.2	2504.7	2591.1
25°	1505.0	1478.8	1571.8	1714.8	1857.9	2031.7	2205.6	2333.5	2461.3	2546.0	2630.8
27.5°	1432.8	1401.0	1485.6	1645.4	1805.2	2017.1	2229.0	2376.0	2522.9	2603.7	2684.5
30°	1369.4	1344.4	1415.5	1587.4	1759.4	2010.2	2260.9	2430.9	2600.9	2678.9	2757.0
32.5°	1313.8	1302.6	1359.9	1537.4	1714.8	2001.8	2288.5	2488.3	2688.1	2765.3	2842.6
35°	1261.3	1265.9	1313.6	1488.3	1662.9	1985.8	2308.8	2553.7	2798.5	2872.6	2946.6
37.5°	1206.2	1223.1	1264.8	1430.4	1596.0	1958.4	2320.8	2626.9	2933.0	3027.3	3121.7
40°	1146.0	1171.8	1209.6	1361.4	1513.1	1920.7	2328.4	2719.8	3111.2	3248.7	3386.2
42.5°	1081.9	1114.5	1149.4	1285.2	1421.0	1881.8	2342.7	2841.4	3340.1	3538.6	3737.1
45°	1018.3	1049.8	1085.1	1204.2	1323.4	1845.6	2368.0	3001.4	3634.9	3902.6	4170.4
47.5°	961.5	988.6	1034.2	1140.2	1246.3	1815.8	2385.3	3171.9	3958.5	4335.4	4712.2
50°	911.5	942.9	1002.9	1097.7	1192.5	1783.2	2374.0	3330.1	4286.2	4854.3	5422.4
52.5°	874.2	918.2	987.2	1069.7	1152.3	1728.3	2304.3	3432.8	4561.2	5399.5	6237.7
55°	854.4	920.7	984.8	1049.4	1114.0	1637.2	2160.3	3410.2	4659.9	5882.7	7105.7
57.5°	842.5	923.1	979.7	1025.4	1071.0	1508.7	1946.4	3250.8	4555.4	6225.3	7895.1
60°	831.3	915.4	952.7	988.6	1024.4	1341.9	1659.4	2954.4	4249.4	6310.8	8372.2
62.5°	818.3	896.3	900.9	924.6	948.5	1142.3	1336.1	2553.5	3770.9	5950.4	8130.0
65°	*790.9*	*850.3*	*849.7*	*861.0*	*872.2*	*962.7*	*1053.2*	*2144.5*	*3235.9*	*5440.5*	*7645.0*
67.5°	741.9	775.3	776.8	770.6	764.3	790.1	815.8	1743.8	2671.9	4833.6	6995.3
70°	679.8	690.8	690.8	661.7	632.5	625.3	617.9	1373.0	2128.2	4171.4	6214.7
72.5°	610.6	610.5	603.5	562.3	521.0	498.8	476.6	1049.7	1622.7	3453.6	5284.5
75°	532.1	534.8	502.8	456.5	410.3	390.2	370.1	761.9	1153.6	2630.7	4107.8
77.5°	453.4	454.8	402.1	357.2	312.3	298.6	284.9	516.2	747.6	1841.2	2934.9
80°	363.7	363.9	301.0	263.0	224.9	219.3	213.6	332.6	451.7	1186.3	1920.9
82.5°	267.5	264.6	210.8	182.8	154.8	153.6	152.7	204.6	256.6	686.6	1116.6
85°	176.1	172.2	132.3	111.8	91.3	91.8	92.3	109.4	126.5	308.8	491.3
87.5°	77.8	72.9	56.2	47.8	39.5	40.0	40.5	45.3	50.2	101.2	152.1
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: P1203491
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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	*1843.4*	1843.4	1843.4
2.5°	1989.9	1997.5	2008.2	2018.9	2025.2	2031.6	2034.8	2038.0	*2036.6*	2038.0	2034.8
5°	2157.9	2184.3	2210.3	2236.4	2250.5	2264.7	2273.2	2281.9	*2288.4*	2281.9	2273.2
7.5°	2324.4	2367.0	2405.5	2443.9	2467.0	2490.1	2502.7	2515.1	*2521.1*	2515.1	2502.7
10°	2447.1	2497.6	2542.7	2587.7	2615.1	2642.2	2654.4	2666.5	*2671.1*	2666.5	2654.4
12.5°	2521.8	2576.4	2617.2	2657.8	2677.6	2697.4	2704.0	2710.7	*2711.4*	2710.7	2704.0
15°	2557.0	2604.2	2629.8	2655.4	2656.1	2656.8	2649.7	2642.6	*2634.3*	2642.6	2649.7
17.5°	2565.7	2597.7	2598.1	2598.6	2569.9	2541.3	2515.0	2488.7	*2470.2*	2488.7	2515.0
20°	2571.5	2582.7	2549.1	2515.5	2452.2	2389.0	2342.9	2296.9	*2268.6*	2296.9	2342.9
22.5°	2576.6	2562.0	2492.4	2422.8	2329.8	2236.7	2179.2	2121.6	*2090.3*	2121.6	2179.2
25°	2584.8	2538.8	2433.1	2327.4	2214.5	2101.5	2040.9	1980.5	*1951.0*	1980.5	2040.9
27.5°	2602.3	2520.1	2380.1	2240.1	2114.9	1989.7	1930.2	1870.7	*1842.7*	1870.7	1930.2
30°	2634.4	2511.9	2339.6	2167.3	2036.8	1906.4	1851.2	1795.9	*1769.9*	1795.9	1851.2
32.5°	2674.8	2507.0	2312.0	2117.1	1994.5	1871.9	1828.5	1785.1	*1766.3*	1785.1	1828.5
35°	2741.2	2535.8	2332.7	2129.6	2044.4	1959.3	1949.2	1939.1	*1937.5*	1939.1	1949.2
37.5°	2880.0	2638.4	2453.8	2269.1	2263.6	2258.1	2304.4	2350.6	*2374.7*	2350.6	2304.4
40°	3123.5	2860.7	2723.4	2586.1	2683.0	2779.9	2892.3	3004.8	*3060.8*	3004.8	2892.3
42.5°	3476.4	3215.6	3136.5	3057.5	3268.8	3480.2	3684.8	3889.3	*4009.4*	3889.3	3684.8
45°	3936.2	3701.9	3667.0	3632.1	3970.7	4309.4	4645.5	4981.7	*5185.8*	4981.7	4645.5
47.5°	4484.4	4256.5	4249.4	4242.3	4730.8	5219.2	5711.3	6203.4	*6492.4*	6203.4	5711.3
50°	5141.0	4859.6	4860.8	4862.0	5491.6	6121.1	6770.7	7420.3	*7813.0*	7420.3	6770.7
52.5°	5896.9	5556.1	5521.7	5487.2	6239.2	6991.2	7794.9	8598.6	*9069.4*	8598.6	7794.9
55°	6768.9	6432.2	6297.9	6163.6	7000.5	7837.5	8795.6	9753.8	*10313.6*	9753.8	8795.6
57.5°	7711.7	7528.3	7258.9	6989.5	7834.6	8679.7	9765.0	10850.2	*11544.5*	10850.2	9765.0
60°	8657.0	8941.9	8607.3	8272.7	9072.5	9872.2	11034.2	12196.1	*12946.5*	12196.1	11034.2
62.5°	8908.1	9686.3	9648.6	9610.9	10343.5	11076.2	12181.7	13287.1	*13980.7*	13287.1	12181.7
65°	*8375.4*	*9105.8*	*9250.3*	*9394.8*	*10325.8*	*11256.9*	*12328.9*	*13400.8*	*13991.3*	*13400.8*	*12328.9*
67.5°	7690.0	8384.6	8452.4	8520.1	9490.2	10460.2	11536.8	12613.3	*13076.0*	12613.3	11536.8
70°	6970.3	7725.9	7756.2	7786.5	8654.1	9521.5	10448.0	11374.4	*11631.5*	11374.4	10448.0
72.5°	6151.5	7018.7	7040.4	7062.2	7740.9	8419.6	9113.5	9807.3	*9833.3*	9807.3	9113.5
75°	5005.2	5902.5	5983.1	6063.7	6591.7	7119.8	7608.3	8096.7	*7965.8*	8096.7	7608.3
77.5°	3772.6	4610.4	4725.7	4841.0	5242.4	5643.9	5990.3	6336.7	*6111.8*	6336.7	5990.3
80°	2625.7	3330.4	3473.7	3617.0	3920.2	4223.2	4405.2	4587.0	*4225.2*	4587.0	4405.2
82.5°	1598.4	2080.3	2240.4	2400.5	2609.2	2817.9	2893.8	2969.6	*2685.2*	2969.6	2893.8
85°	747.0	1002.7	1138.9	1275.1	1446.5	1617.9	1661.0	1704.1	*1476.3*	1704.1	1661.0
87.5°	238.0	324.0	400.0	475.9	561.7	647.4	651.1	654.7	*549.6*	654.7	651.1
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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Scaled Data Report

REPORT NUMBER: P1203491
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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	2031.6	2025.2	2018.9	2008.2	1997.5	1989.9	1982.4
5°	2264.7	2250.5	2236.4	2210.3	2184.3	2157.9	2131.7
7.5°	2490.1	2467.0	2443.9	2405.5	2367.0	2324.4	2281.7
10°	2642.2	2615.1	2587.7	2542.7	2497.6	2447.1	2396.6
12.5°	2697.4	2677.6	2657.8	2617.2	2576.4	2521.8	2467.0
15°	2656.8	2656.1	2655.4	2629.8	2604.2	2557.0	2509.8
17.5°	2541.3	2569.9	2598.6	2598.1	2597.7	2565.7	2533.8
20°	2389.0	2452.2	2515.5	2549.1	2582.7	2571.5	2560.4
22.5°	2236.7	2329.8	2422.8	2492.4	2562.0	2576.6	2591.1
25°	2101.5	2214.5	2327.4	2433.1	2538.8	2584.8	2630.8
27.5°	1989.7	2114.9	2240.1	2380.1	2520.1	2602.3	2684.5
30°	1906.4	2036.8	2167.3	2339.6	2511.9	2634.4	2757.0
32.5°	1871.9	1994.5	2117.1	2312.0	2507.0	2674.8	2842.6
35°	1959.3	2044.4	2129.6	2332.7	2535.8	2741.2	2946.6
37.5°	2258.1	2263.6	2269.1	2453.8	2638.4	2880.0	3121.7
40°	2779.9	2683.0	2586.1	2723.4	2860.7	3123.5	3386.2
42.5°	3480.2	3268.8	3057.5	3136.5	3215.6	3476.4	3737.1
45°	4309.4	3970.7	3632.1	3667.0	3701.9	3936.2	4170.4
47.5°	5219.2	4730.8	4242.3	4249.4	4256.5	4484.4	4712.2
50°	6121.1	5491.6	4862.0	4860.8	4859.6	5141.0	5422.4
52.5°	6991.2	6239.2	5487.2	5521.7	5556.1	5896.9	6237.7
55°	7837.5	7000.5	6163.6	6297.9	6432.2	6768.9	7105.7
57.5°	8679.7	7834.6	6989.5	7258.9	7528.3	7711.7	7895.1
60°	9872.2	9072.5	8272.7	8607.3	8941.9	8657.0	8372.2
62.5°	11076.2	10343.5	9610.9	9648.6	9686.3	8908.1	8130.0
65°	*11256.9*	*10325.8*	*9394.8*	*9250.3*	*9105.8*	*8375.4*	*7645.0*
67.5°	10460.2	9490.2	8520.1	8452.4	8384.6	7690.0	6995.3
70°	9521.5	8654.1	7786.5	7756.2	7725.9	6970.3	6214.7
72.5°	8419.6	7740.9	7062.2	7040.4	7018.7	6151.5	5284.5
75°	7119.8	6591.7	6063.7	5983.1	5902.5	5005.2	4107.8
77.5°	5643.9	5242.4	4841.0	4725.7	4610.4	3772.6	2934.9
80°	4223.2	3920.2	3617.0	3473.7	3330.4	2625.7	1920.9
82.5°	2817.9	2609.2	2400.5	2240.4	2080.3	1598.4	1116.6
85°	1617.9	1446.5	1275.1	1138.9	1002.7	747.0	491.3
87.5°	647.4	561.7	475.9	400.0	324.0	238.0	152.1
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

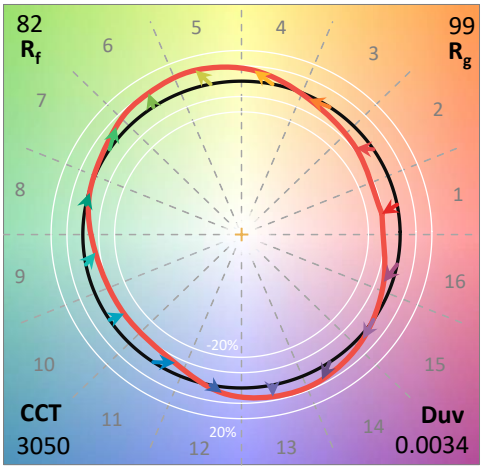
Test Information

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

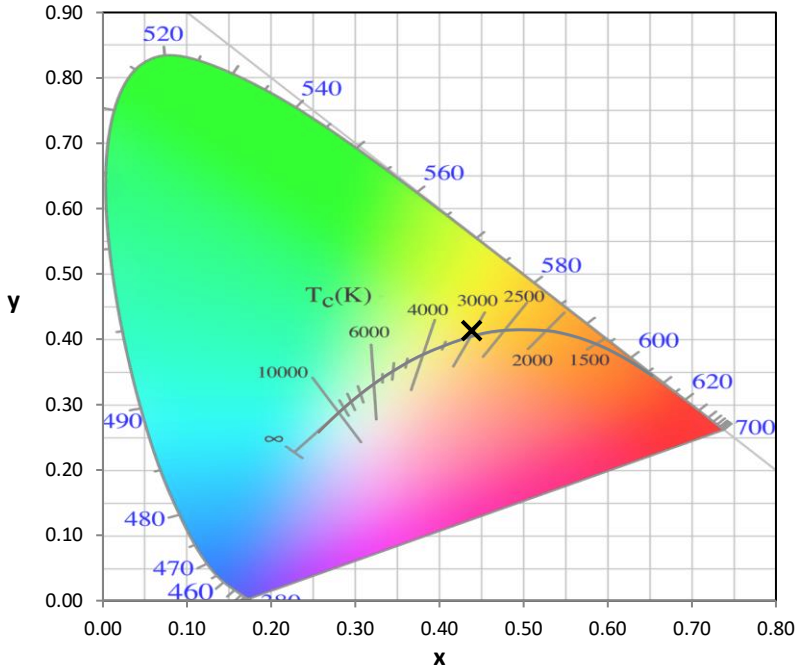
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

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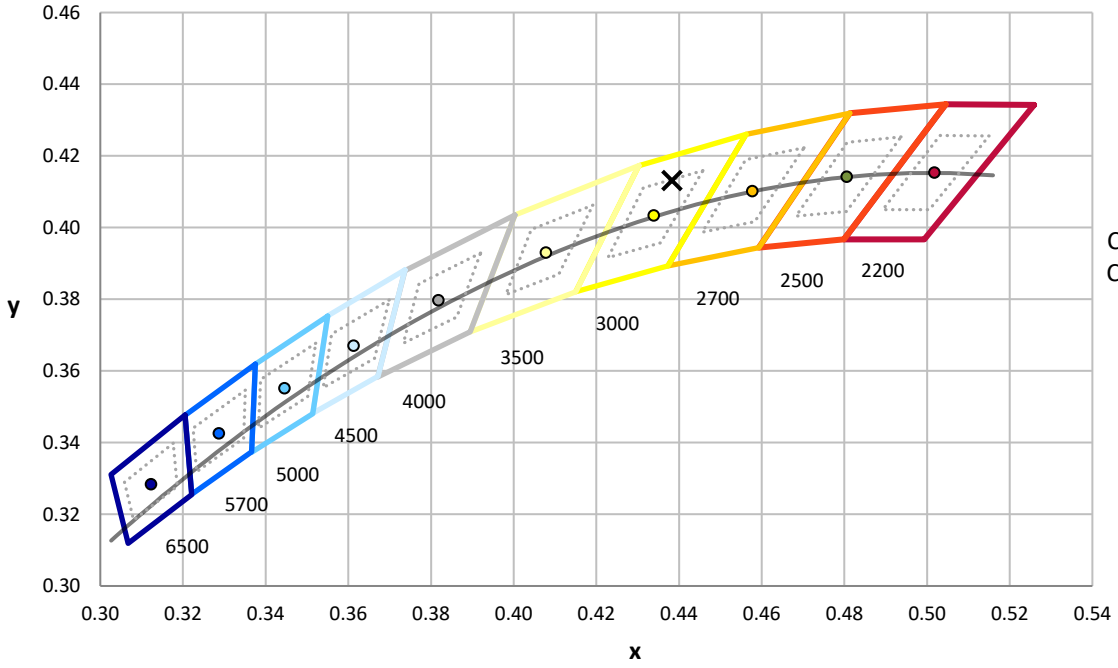
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

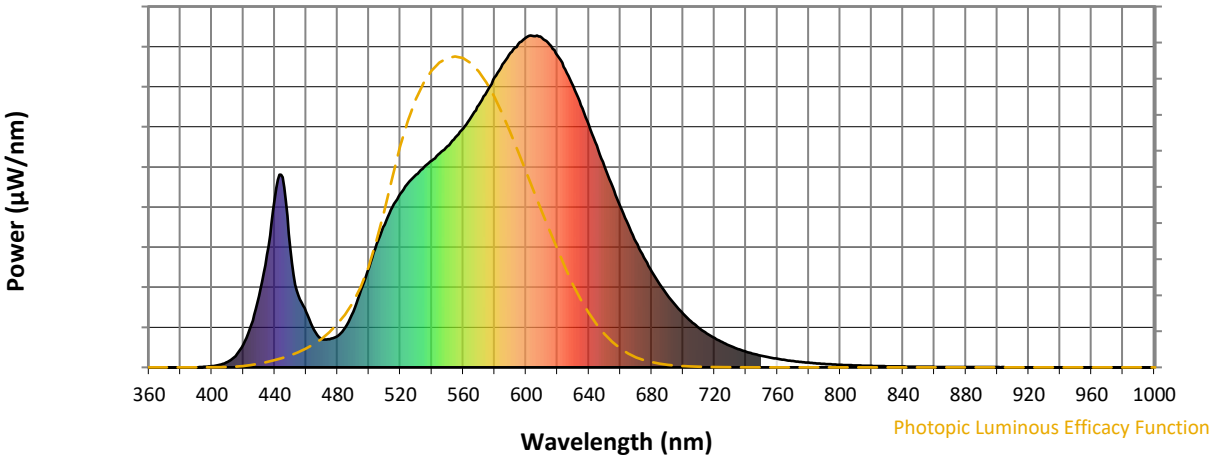


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

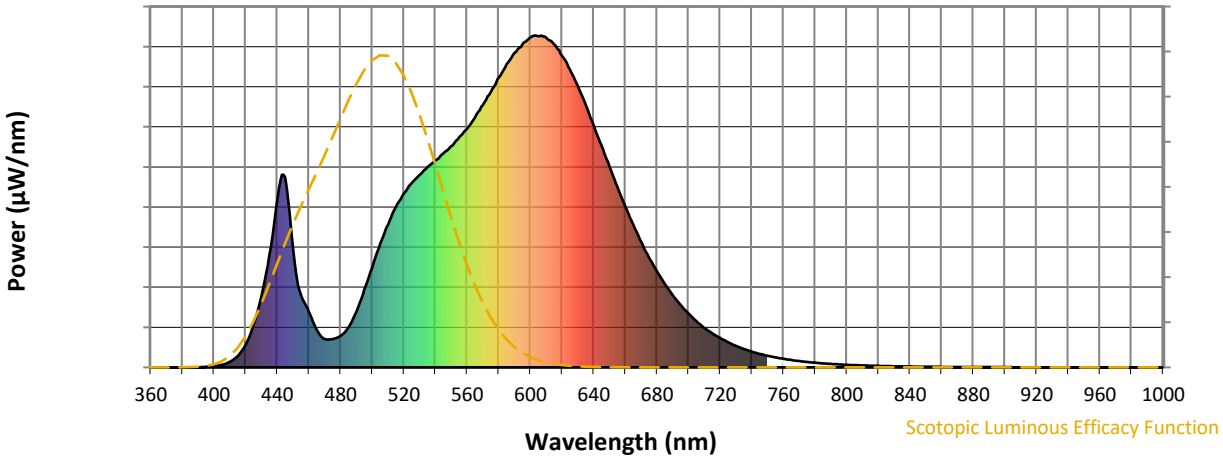


Photopic Lumens: NR

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

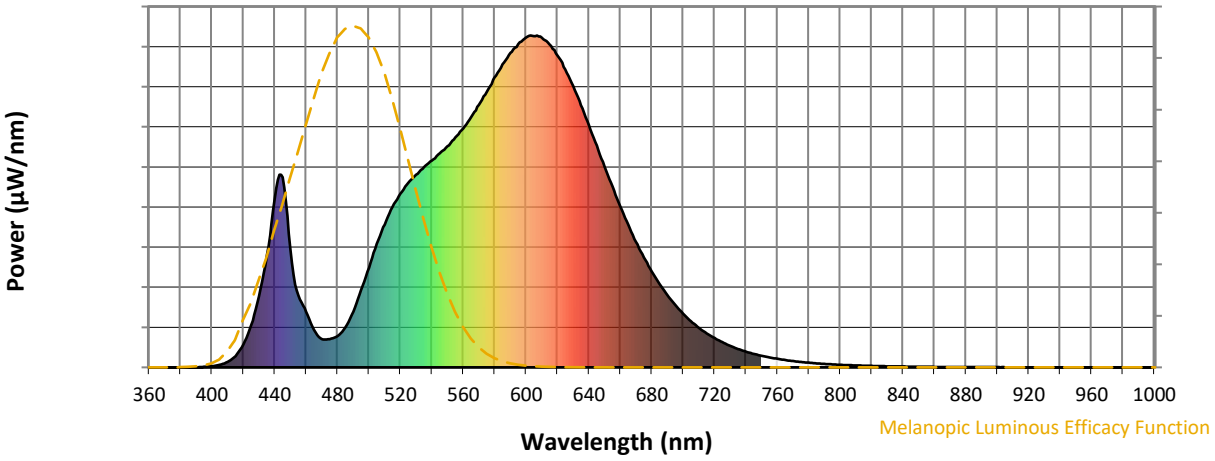


Scotopic Lumens: NR **S/P: 1.27**

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			

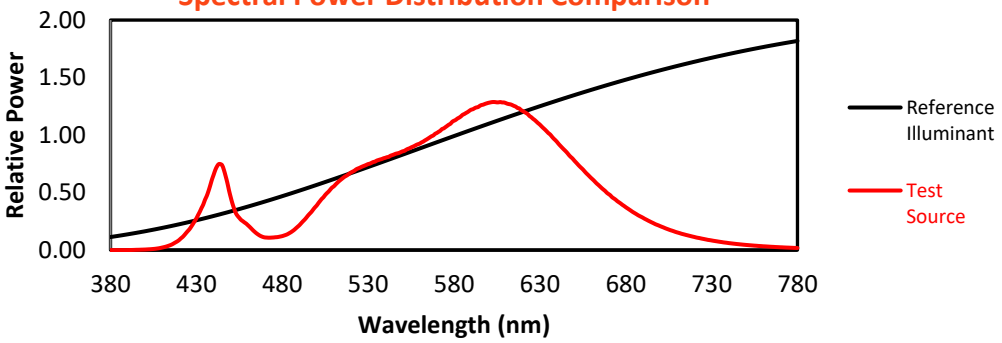
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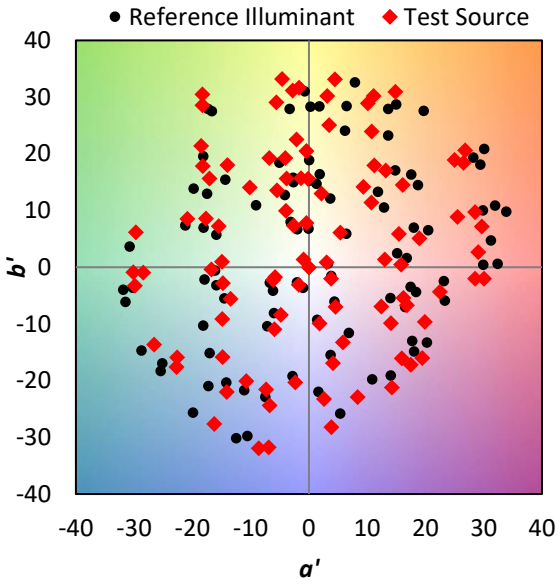
Summary

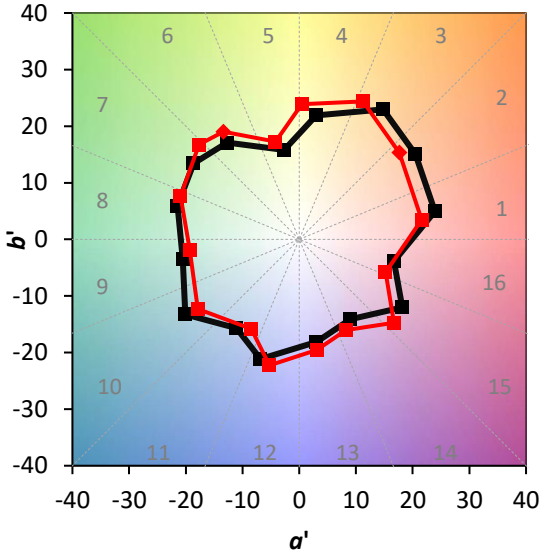
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

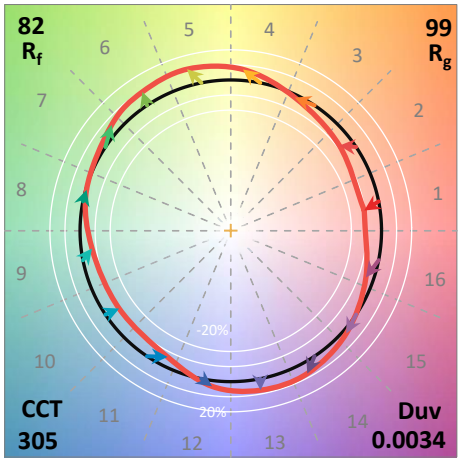
Spectral Power Distribution Comparison

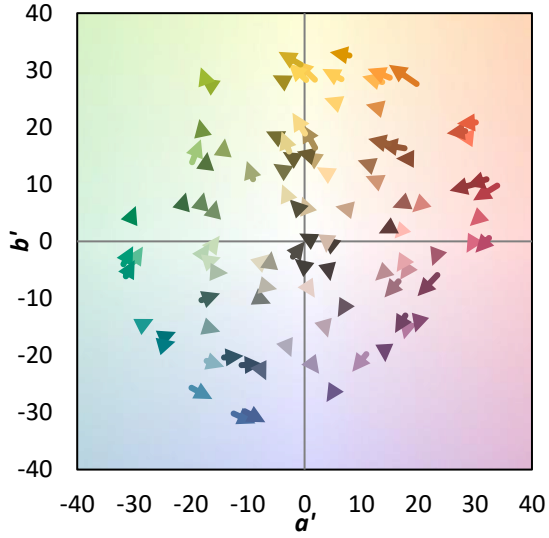


Color Vector Graphics







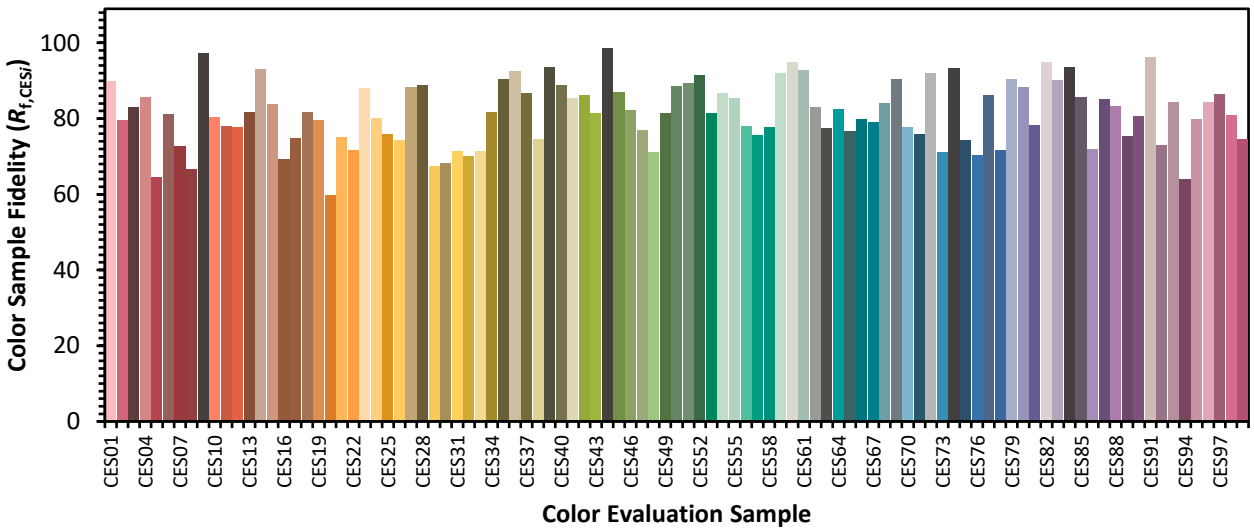


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Individual Sample Fidelity Index ($R_{f,i}$)

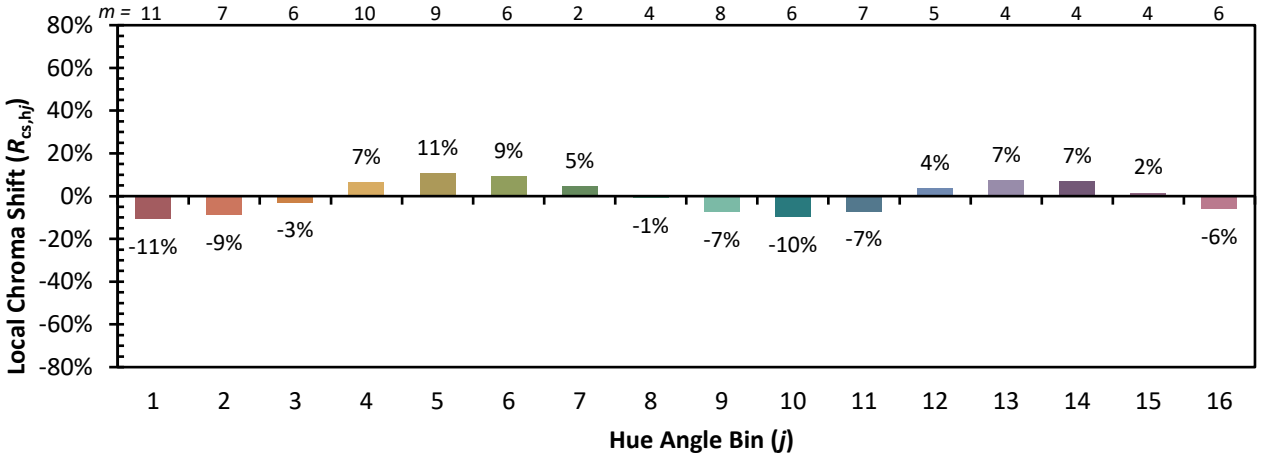
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

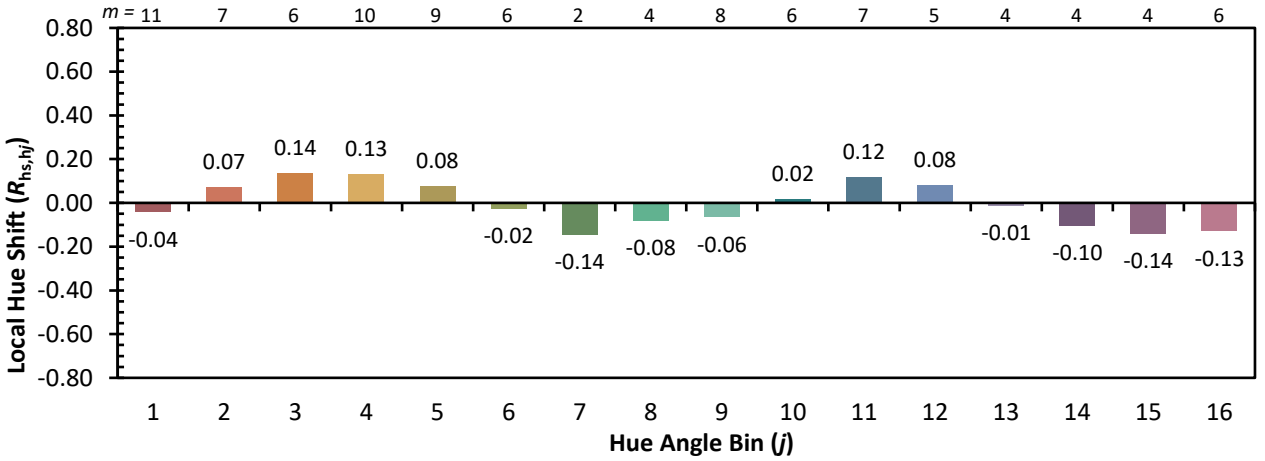


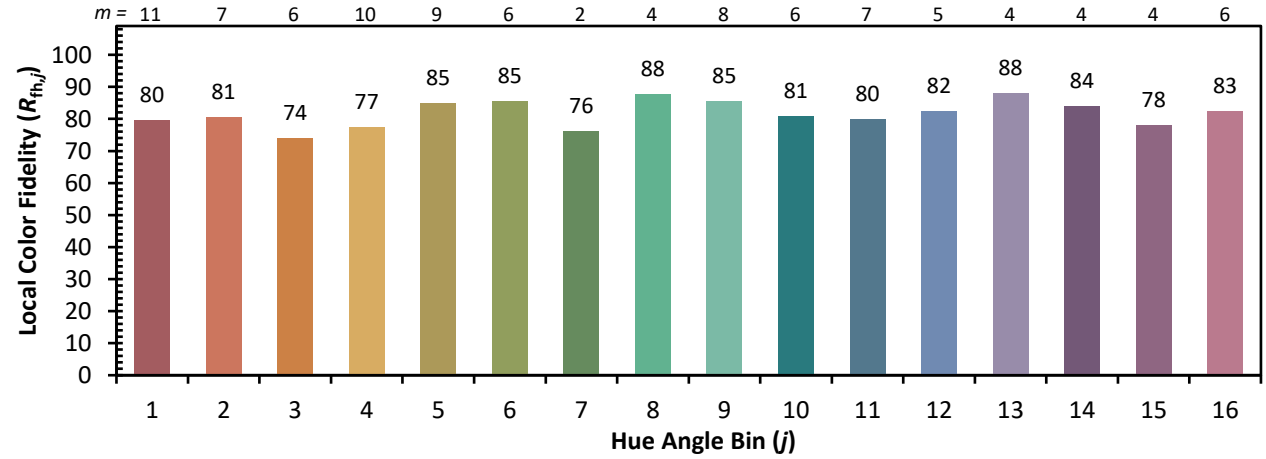
REPORT NUMBER: SP1-2408-195-9

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Color Rendition by Hue-Angle Bin



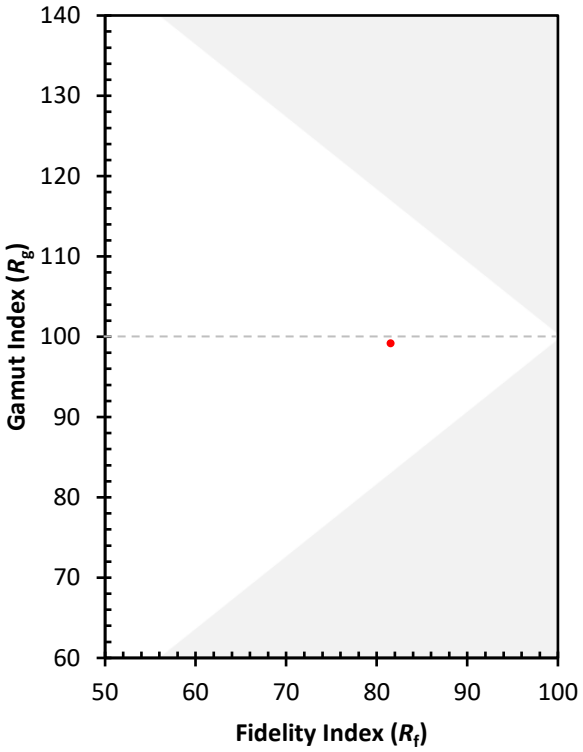


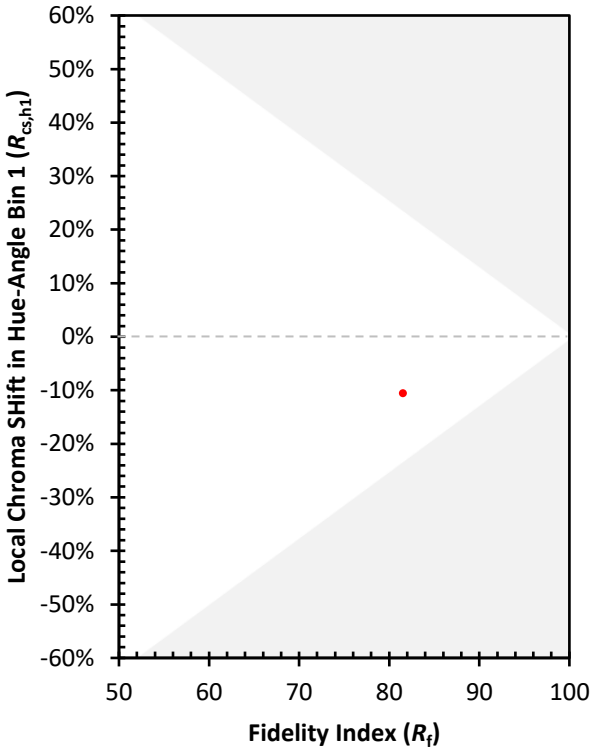


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Measure Comparisons





(END OF REPORT)