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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1364221

Luminaire Tested: **GSS-SB2C-735-U-SLR**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364221
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-735-U-SLR
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC
Light Source:	(52) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13107.9 lumens
Efficiency:	N/A
Efficacy:	128.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

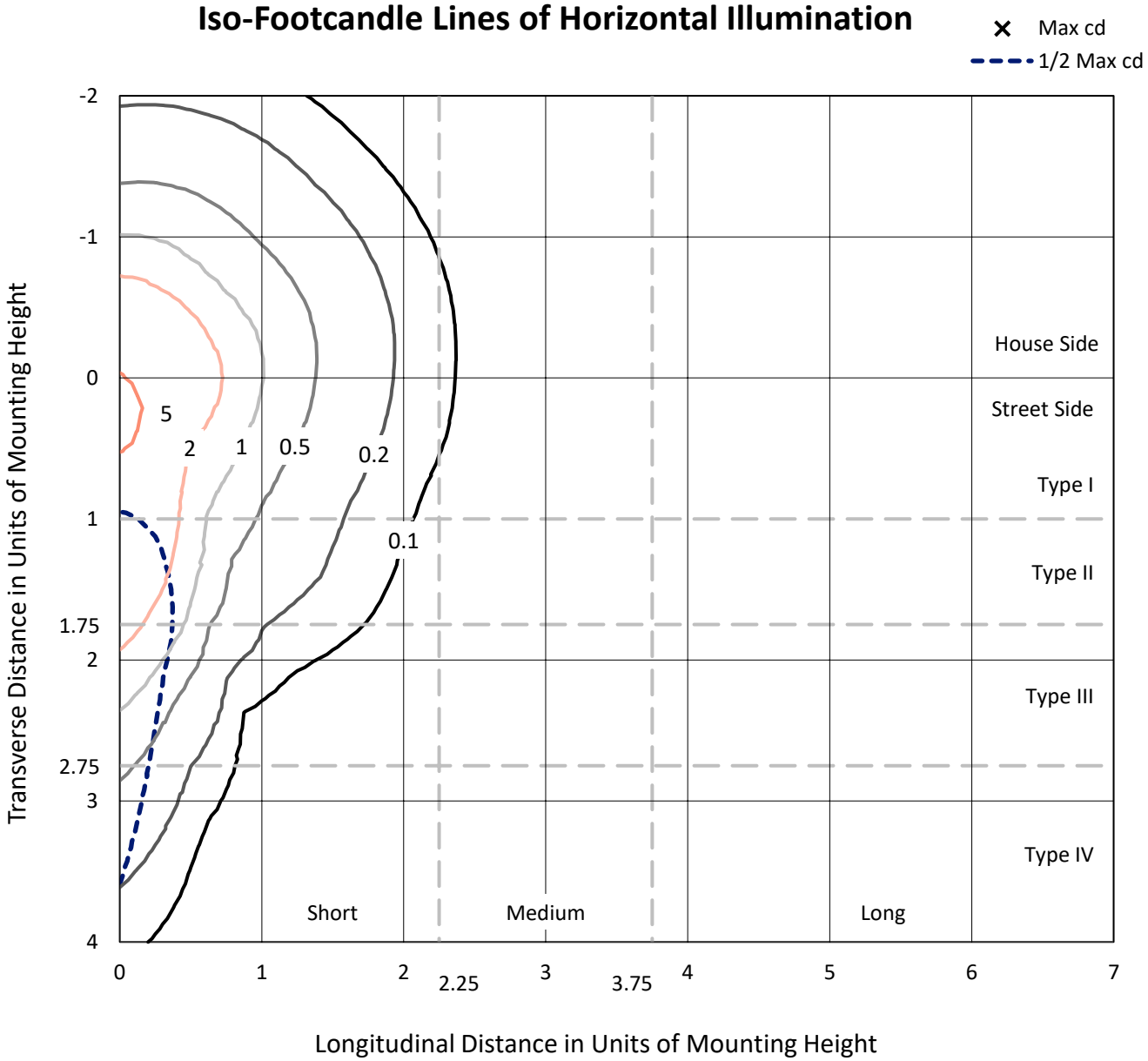
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

Iso-Footcandle Lines of Horizontal Illumination



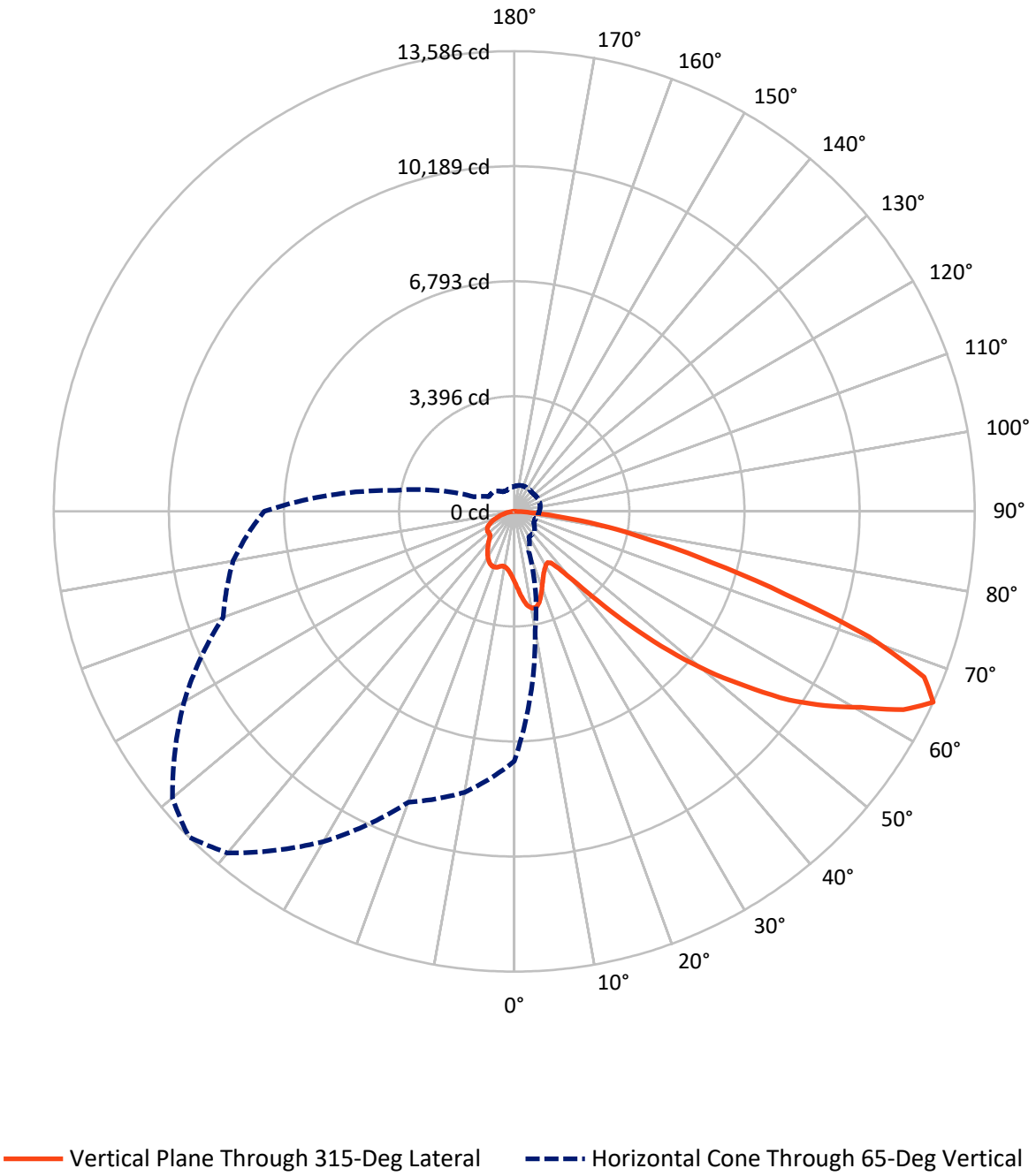
Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

Luminous Intensity Polar Plot



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

Scaled Data Report

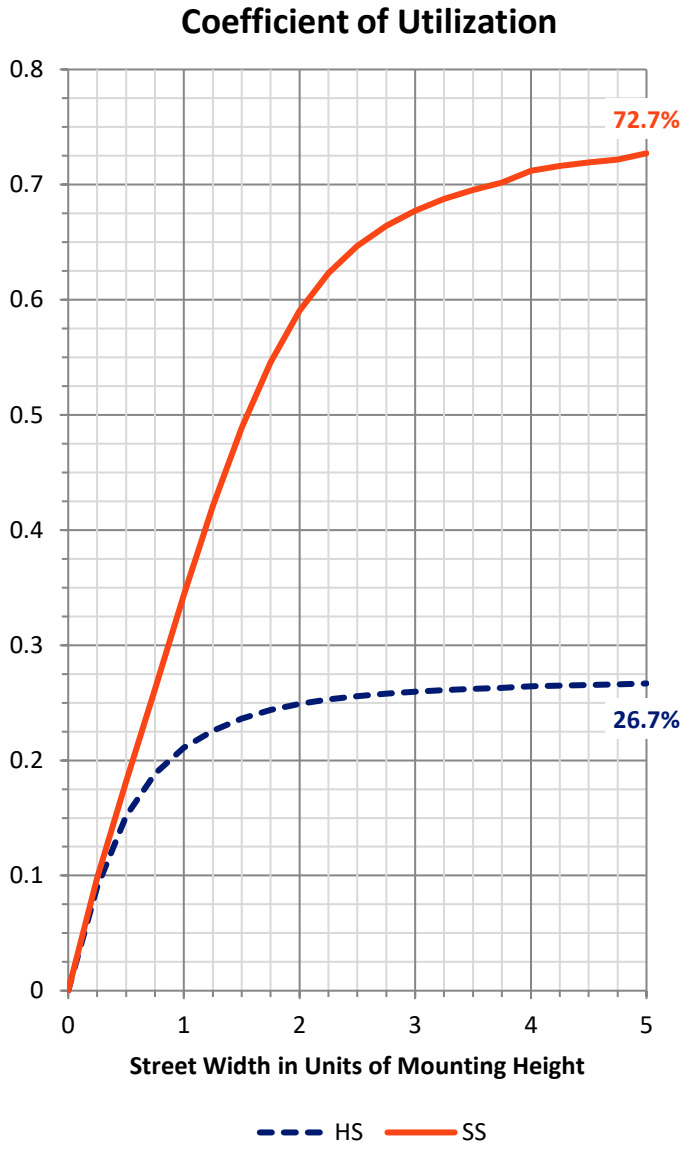
REPORT NUMBER: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3526.3	0.0	3526.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	9581.6	0.0	9581.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	13107.9	0.0	13107.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.4	1.6
10°-20°	632.4	4.8
20°-30°	978.8	7.5
30°-40°	1214.4	9.3
40°-50°	1775.8	13.5
50°-60°	2781.6	21.2
60°-70°	3300.6	25.2
70°-80°	1925.0	14.7
80°-90°	292.9	2.2
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°	13107.9	100.0
0°-180°	13107.9	100.0



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

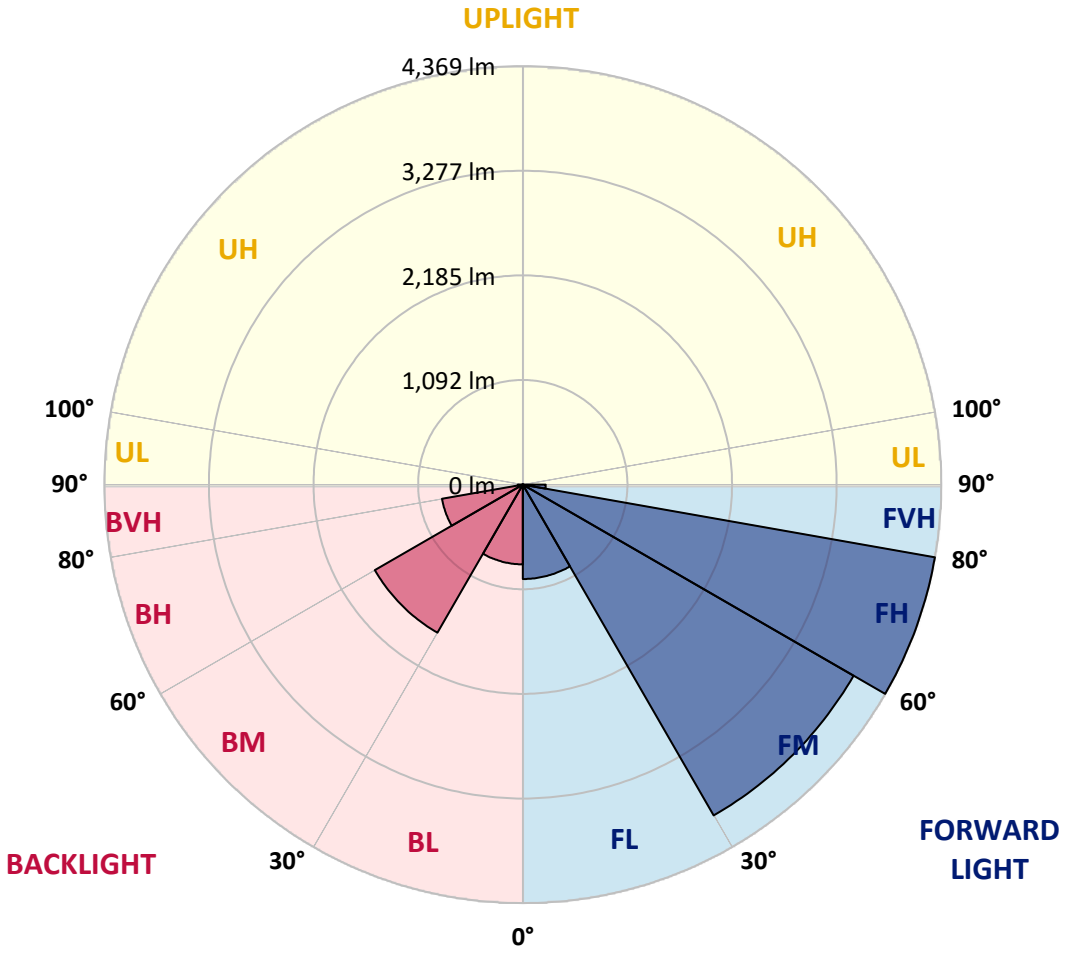
Scaled Data Report

REPORT NUMBER: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	985.2	7.5			
FM	(30°-60°)	3987.7	30.4			
FH	(60°-80°)	4369.2	33.3			G2/5000
FVH	(80°-90°)	239.5	1.8			G3/500
BL	(0°-30°)	832.4	6.4	B2/1000		
BM	(30°-60°)	1784.1	13.6	B2/2500		
BH	(60°-80°)	856.4	6.5	B2/1000		G2/1000
BVH	(80°-90°)	53.3	0.4			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



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

Scaled Data Report

REPORT NUMBER: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1
2.5°	2258.4	2237.9	2217.7	2199.1	2180.5	2161.9	2143.0	2125.0	2106.7	2088.5	2072.4
5°	2412.2	2376.0	2340.1	2302.3	2264.8	2227.9	2191.1	2156.1	2121.5	2085.3	2054.2
7.5°	2567.7	2506.8	2445.9	2388.5	2331.1	2279.9	2228.6	2182.7	2136.6	2088.5	2051.0
10°	2665.5	2592.7	2519.6	2448.5	2377.0	2313.8	2250.4	2197.5	2144.6	2093.3	2053.2
12.5°	2715.2	2642.7	2570.3	2490.5	2410.6	2339.8	2269.0	2210.6	2152.6	2096.5	2057.4
15°	2739.2	2665.8	2592.7	2511.6	2430.5	2354.2	2277.6	2211.9	2146.2	2083.7	2049.0
17.5°	2745.6	2677.0	2608.8	2522.2	2435.6	2348.5	2261.6	2185.0	2108.7	2035.6	2006.1
20°	2766.5	2697.2	2628.0	2535.0	2442.1	2339.8	2237.5	2136.9	2036.2	1939.4	1920.8
22.5°	2788.9	2725.4	2662.3	2560.0	2458.1	2333.1	2208.0	2081.7	1955.4	1840.0	1822.4
25°	2824.2	2769.4	2714.5	2603.0	2491.4	2332.4	2173.4	2016.0	1858.6	1726.2	1724.6
27.5°	2875.5	2833.5	2791.5	2665.8	2540.5	2338.5	2136.6	1948.7	1760.5	1625.3	1633.3
30°	2947.6	2914.6	2881.9	2740.2	2598.2	2351.7	2105.5	1890.0	1674.9	1543.5	1552.2
32.5°	3035.7	3015.2	2994.7	2827.7	2660.7	2366.4	2072.4	1838.8	1605.4	1484.2	1484.2
35°	3184.8	3159.2	3133.5	2920.7	2708.1	2362.9	2018.0	1780.4	1542.6	1448.9	1429.1
37.5°	3373.9	3343.5	3313.0	3034.1	2755.2	2352.9	1950.6	1715.7	1481.0	1407.3	1369.4
40°	3652.8	3592.9	3532.6	3164.0	2795.3	2330.5	1865.7	1638.4	1411.1	1352.8	1305.3
42.5°	4043.9	3917.0	3789.7	3307.6	2824.8	2291.7	1758.3	1546.4	1334.2	1293.5	1234.8
45°	4529.6	4326.0	4122.5	3502.5	2882.5	2265.1	1647.7	1452.8	1258.2	1221.3	1163.0
47.5°	4994.4	4736.7	4478.9	3702.8	2926.8	2234.0	1541.3	1359.8	1179.0	1136.4	1081.9
50°	5532.9	5183.5	4834.1	3877.5	2921.0	2181.1	1440.9	1277.1	1113.0	1054.7	1000.8
52.5°	6223.8	5668.9	5113.6	3960.2	2806.5	2072.8	1339.3	1202.8	1066.8	992.1	934.4
55°	7049.2	6156.4	5263.7	3938.5	2613.2	1929.2	1244.4	1140.6	1036.1	961.7	893.7
57.5°	7890.7	6565.8	5241.2	3819.5	2397.8	1778.8	1159.8	1088.0	1016.2	953.7	870.3
60°	8522.2	6749.2	4975.8	3534.5	2093.3	1588.7	1084.1	1033.8	983.5	934.4	851.1
62.5°	8260.9	6342.4	4423.8	3067.5	1711.2	1347.7	984.1	955.9	928.0	907.2	827.7
65°	*7379.4*	*5470.4*	*3561.5*	*2406.2*	*1250.8*	*1059.1*	*867.1*	*861.0*	*855.3*	*849.5*	*783.8*
67.5°	6552.3	4698.2	2844.0	1872.4	900.8	809.7	718.7	735.7	752.7	761.3	716.5
70°	5760.5	3991.3	2222.2	1434.8	647.5	615.5	583.4	608.8	634.1	631.5	609.7
72.5°	4944.7	3314.3	1683.6	1078.7	473.8	473.2	472.8	492.1	511.3	485.7	499.4
75°	4048.7	2646.3	1243.8	799.5	355.2	352.9	351.0	373.8	396.9	407.1	416.1
77.5°	2692.7	1736.2	779.6	516.7	253.9	255.8	257.1	282.1	307.1	336.6	338.2
80°	1580.4	995.4	410.3	285.6	160.9	162.8	164.1	190.4	216.4	258.1	256.5
82.5°	790.2	498.8	207.7	153.6	99.4	99.7	100.0	112.8	125.7	149.1	155.5
85°	179.5	118.6	57.7	48.7	40.1	42.0	44.2	52.6	60.9	73.7	77.6
87.5°	14.4	14.1	13.5	13.1	12.8	13.5	14.4	16.0	17.6	19.2	22.4
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: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1
2.5°	2055.1	2038.1	2024.7	2011.5	2000.0	1988.1	1974.4	1960.2	1950.3	1940.1	1933.3
5°	2023.4	1993.3	1968.3	1943.3	1922.7	1901.6	1883.0	1864.1	1849.3	1834.3	1822.1
7.5°	2013.5	1976.3	1943.9	1911.2	1883.6	1856.1	1833.0	1809.6	1787.5	1765.7	1751.6
10°	2013.8	1974.7	1941.3	1908.0	1878.8	1849.7	1819.2	1788.7	1764.4	1740.0	1718.9
12.5°	2024.7	1992.3	1968.9	1945.8	1918.9	1892.0	1855.7	1819.2	1786.2	1753.5	1727.5
15°	2027.9	2006.7	2004.8	2002.9	1993.6	1984.3	1950.6	1917.0	1871.5	1825.6	1788.4
17.5°	2003.2	2000.3	2032.1	2063.8	2082.1	2100.3	2076.9	2053.2	1989.1	1925.0	1869.5
20°	1939.1	1957.0	2019.2	2081.1	2130.5	2179.8	2177.3	2175.0	2091.4	2007.4	1934.6
22.5°	1849.3	1875.9	1957.0	2038.1	2109.3	2180.5	2198.7	2216.7	2134.6	2052.3	1962.5
25°	1753.8	1783.0	1858.0	1933.0	2009.6	2086.2	2120.2	2154.2	2086.6	2018.9	1931.7
27.5°	1661.2	1689.4	1745.2	1800.9	1862.5	1924.0	1962.2	2000.3	1959.0	1917.6	1847.1
30°	1574.0	1595.8	1636.2	1676.6	1718.2	1759.9	1790.4	1820.8	1793.6	1766.3	1715.7
32.5°	1493.5	1502.8	1529.1	1555.4	1586.5	1617.2	1634.2	1650.9	1629.7	1608.6	1575.3
35°	1421.4	1413.7	1431.0	1448.3	1473.3	1498.6	1511.5	1524.3	1506.7	1489.0	1459.2
37.5°	1348.9	1327.8	1336.1	1343.8	1365.3	1386.4	1404.7	1423.3	1410.5	1397.7	1372.3
40°	1274.6	1243.8	1243.1	1242.2	1262.7	1282.9	1306.0	1328.7	1326.5	1323.9	1299.9
42.5°	1195.7	1156.6	1152.4	1148.3	1168.5	1188.7	1213.0	1237.4	1242.2	1247.0	1227.1
45°	1122.6	1082.9	1076.5	1070.0	1087.4	1105.3	1131.9	1158.8	1170.1	1181.3	1163.3
47.5°	1047.6	1013.0	1009.1	1005.0	1023.2	1041.8	1071.3	1101.1	1113.0	1125.2	1113.0
50°	972.6	944.1	948.9	953.7	973.9	993.7	1016.8	1040.2	1062.3	1084.1	1081.9
52.5°	913.3	891.8	906.9	921.6	939.9	958.5	982.5	1006.6	1029.7	1053.1	1056.6
55°	870.0	846.3	867.4	888.6	910.7	932.8	955.3	977.7	999.5	1021.0	1025.8
57.5°	837.0	804.0	825.1	846.3	870.3	894.4	916.8	939.3	964.6	989.9	993.7
60°	809.4	767.8	781.9	795.6	820.3	844.7	868.1	891.2	916.8	942.5	947.6
62.5°	773.2	718.7	720.6	721.9	749.8	777.4	796.6	815.8	840.2	864.9	872.3
65°	*725.1*	*666.8*	*660.4*	*654.0*	*680.2*	*706.8*	*721.9*	*737.3*	*758.5*	*779.6*	*787.0*
67.5°	664.8	612.9	599.8	586.6	611.0	635.4	647.9	660.4	674.8	689.2	697.5
70°	578.9	548.2	539.8	531.5	551.4	571.2	582.1	593.0	604.6	616.1	620.6
72.5°	492.4	485.7	479.6	473.8	488.9	503.9	513.2	522.5	533.4	544.3	546.9
75°	412.2	408.7	404.2	400.1	411.6	423.1	430.2	437.6	448.8	460.0	464.8
77.5°	329.9	321.2	316.7	311.6	322.2	332.7	339.5	346.2	355.5	364.8	366.1
80°	246.2	235.6	232.1	228.2	235.9	243.6	246.2	248.4	256.1	263.5	263.5
82.5°	155.5	155.5	153.2	150.7	149.1	147.5	144.3	141.0	148.7	156.4	159.0
85°	78.2	78.5	75.0	71.2	66.7	61.5	60.6	59.3	59.0	58.3	60.6
87.5°	24.4	26.3	28.2	29.5	31.4	32.7	31.7	30.5	29.2	28.2	25.6
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: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1
2.5°	1926.6	1923.4	1920.2	1917.6	1915.4	1913.8	1915.4	1917.6	1920.2	1923.4	1926.6
5°	1809.6	1804.5	1799.0	1795.5	1792.0	1788.7	1792.0	1795.5	1799.0	1804.5	1809.6
7.5°	1737.5	1729.1	1720.8	1714.7	1708.6	1705.4	1708.6	1714.7	1720.8	1729.1	1737.5
10°	1698.3	1686.5	1674.9	1668.5	1662.1	1657.3	1662.1	1668.5	1674.9	1686.5	1698.3
12.5°	1701.6	1686.8	1672.7	1663.1	1653.5	1647.7	1653.5	1663.1	1672.7	1686.8	1701.6
15°	1750.9	1730.4	1709.2	1697.4	1685.5	1676.6	1685.5	1697.4	1709.2	1730.4	1750.9
17.5°	1814.4	1784.3	1754.1	1743.5	1732.6	1727.8	1732.6	1743.5	1754.1	1784.3	1814.4
20°	1861.8	1821.4	1781.7	1765.7	1749.6	1743.9	1749.6	1765.7	1781.7	1821.4	1861.8
22.5°	1872.7	1825.3	1777.5	1762.5	1747.1	1740.7	1747.1	1762.5	1777.5	1825.3	1872.7
25°	1844.8	1794.8	1744.5	1729.1	1713.4	1708.6	1713.4	1729.1	1744.5	1794.8	1844.8
27.5°	1776.6	1732.3	1687.8	1671.4	1654.8	1644.5	1654.8	1671.4	1687.8	1732.3	1776.6
30°	1665.3	1632.3	1599.6	1589.4	1578.8	1574.0	1578.8	1589.4	1599.6	1632.3	1665.3
32.5°	1541.9	1521.4	1500.9	1494.1	1487.4	1484.2	1487.4	1494.1	1500.9	1521.4	1541.9
35°	1429.7	1415.0	1400.2	1394.8	1389.6	1384.8	1389.6	1394.8	1400.2	1415.0	1429.7
37.5°	1347.0	1329.7	1311.7	1302.1	1292.5	1285.5	1292.5	1302.1	1311.7	1329.7	1347.0
40°	1275.8	1250.8	1226.2	1213.0	1199.6	1192.5	1199.6	1213.0	1226.2	1250.8	1275.8
42.5°	1206.9	1178.1	1149.2	1129.0	1109.2	1096.3	1109.2	1129.0	1149.2	1178.1	1206.9
45°	1145.1	1112.7	1080.3	1056.3	1032.2	1016.2	1032.2	1056.3	1080.3	1112.7	1145.1
47.5°	1101.1	1073.2	1045.0	1023.9	1002.7	987.3	1002.7	1023.9	1045.0	1073.2	1101.1
50°	1079.7	1057.5	1035.4	1015.5	995.4	980.9	995.4	1015.5	1035.4	1057.5	1079.7
52.5°	1060.4	1044.4	1028.4	1011.1	993.7	980.9	993.7	1011.1	1028.4	1044.4	1060.4
55°	1030.6	1019.1	1007.2	994.4	981.6	971.3	981.6	994.4	1007.2	1019.1	1030.6
57.5°	997.6	985.4	972.9	963.3	953.7	948.9	953.7	963.3	972.9	985.4	997.6
60°	952.7	943.1	933.5	924.5	915.2	907.2	915.2	924.5	933.5	943.1	952.7
62.5°	879.9	875.5	871.3	861.0	851.1	839.9	851.1	861.0	871.3	875.5	879.9
65°	*794.4*	*792.1*	*790.2*	*782.8*	*775.8*	*762.9*	*775.8*	*782.8*	*790.2*	*792.1*	*794.4*
67.5°	705.9	701.7	697.2	689.5	682.2	679.6	682.2	689.5	697.2	701.7	705.9
70°	625.1	618.7	612.3	595.0	577.7	557.8	577.7	595.0	612.3	618.7	625.1
72.5°	549.8	539.8	529.6	509.4	488.9	468.0	488.9	509.4	529.6	539.8	549.8
75°	469.6	455.5	441.7	420.3	399.1	384.7	399.1	420.3	441.7	455.5	469.6
77.5°	368.0	355.8	343.6	330.8	318.0	310.9	318.0	330.8	343.6	355.8	368.0
80°	263.5	254.5	245.2	238.8	232.4	227.6	232.4	238.8	245.2	254.5	263.5
82.5°	161.9	157.7	153.9	146.8	139.4	134.6	139.4	146.8	153.9	157.7	161.9
85°	62.5	61.5	60.9	58.3	56.1	54.5	56.1	58.3	60.9	61.5	62.5
87.5°	23.1	21.2	19.2	18.0	16.7	16.0	16.7	18.0	19.2	21.2	23.1
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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1
2.5°	1933.3	1940.1	1950.3	1960.2	1974.4	1988.1	2000.0	2011.5	2024.7	2038.1	2055.1
5°	1822.1	1834.3	1849.3	1864.1	1883.0	1901.6	1922.7	1943.3	1968.3	1993.3	2023.4
7.5°	1751.6	1765.7	1787.5	1809.6	1833.0	1856.1	1883.6	1911.2	1943.9	1976.3	2013.5
10°	1718.9	1740.0	1764.4	1788.7	1819.2	1849.7	1878.8	1908.0	1941.3	1974.7	2013.8
12.5°	1727.5	1753.5	1786.2	1819.2	1855.7	1892.0	1918.9	1945.8	1968.9	1992.3	2024.7
15°	1788.4	1825.6	1871.5	1917.0	1950.6	1984.3	1993.6	2002.9	2004.8	2006.7	2027.9
17.5°	1869.5	1925.0	1989.1	2053.2	2076.9	2100.3	2082.1	2063.8	2032.1	2000.3	2003.2
20°	1934.6	2007.4	2091.4	2175.0	2177.3	2179.8	2130.5	2081.1	2019.2	1957.0	1939.1
22.5°	1962.5	2052.3	2134.6	2216.7	2198.7	2180.5	2109.3	2038.1	1957.0	1875.9	1849.3
25°	1931.7	2018.9	2086.6	2154.2	2120.2	2086.2	2009.6	1933.0	1858.0	1783.0	1753.8
27.5°	1847.1	1917.6	1959.0	2000.3	1962.2	1924.0	1862.5	1800.9	1745.2	1689.4	1661.2
30°	1715.7	1766.3	1793.6	1820.8	1790.4	1759.9	1718.2	1676.6	1636.2	1595.8	1574.0
32.5°	1575.3	1608.6	1629.7	1650.9	1634.2	1617.2	1586.5	1555.4	1529.1	1502.8	1493.5
35°	1459.2	1489.0	1506.7	1524.3	1511.5	1498.6	1473.3	1448.3	1431.0	1413.7	1421.4
37.5°	1372.3	1397.7	1410.5	1423.3	1404.7	1386.4	1365.3	1343.8	1336.1	1327.8	1348.9
40°	1299.9	1323.9	1326.5	1328.7	1306.0	1282.9	1262.7	1242.2	1243.1	1243.8	1274.6
42.5°	1227.1	1247.0	1242.2	1237.4	1213.0	1188.7	1168.5	1148.3	1152.4	1156.6	1195.7
45°	1163.3	1181.3	1170.1	1158.8	1131.9	1105.3	1087.4	1070.0	1076.5	1082.9	1122.6
47.5°	1113.0	1125.2	1113.0	1101.1	1071.3	1041.8	1023.2	1005.0	1009.1	1013.0	1047.6
50°	1081.9	1084.1	1062.3	1040.2	1016.8	993.7	973.9	953.7	948.9	944.1	972.6
52.5°	1056.6	1053.1	1029.7	1006.6	982.5	958.5	939.9	921.6	906.9	891.8	913.3
55°	1025.8	1021.0	999.5	977.7	955.3	932.8	910.7	888.6	867.4	846.3	870.0
57.5°	993.7	989.9	964.6	939.3	916.8	894.4	870.3	846.3	825.1	804.0	837.0
60°	947.6	942.5	916.8	891.2	868.1	844.7	820.3	795.6	781.9	767.8	809.4
62.5°	872.3	864.9	840.2	815.8	796.6	777.4	749.8	721.9	720.6	718.7	773.2
65°	*787.0*	*779.6*	*758.5*	*737.3*	*721.9*	*706.8*	*680.2*	*654.0*	*660.4*	*666.8*	*725.1*
67.5°	697.5	689.2	674.8	660.4	647.9	635.4	611.0	586.6	599.8	612.9	664.8
70°	620.6	616.1	604.6	593.0	582.1	571.2	551.4	531.5	539.8	548.2	578.9
72.5°	546.9	544.3	533.4	522.5	513.2	503.9	488.9	473.8	479.6	485.7	492.4
75°	464.8	460.0	448.8	437.6	430.2	423.1	411.6	400.1	404.2	408.7	412.2
77.5°	366.1	364.8	355.5	346.2	339.5	332.7	322.2	311.6	316.7	321.2	329.9
80°	263.5	263.5	256.1	248.4	246.2	243.6	235.9	228.2	232.1	235.6	246.2
82.5°	159.0	156.4	148.7	141.0	144.3	147.5	149.1	150.7	153.2	155.5	155.5
85°	60.6	58.3	59.0	59.3	60.6	61.5	66.7	71.2	75.0	78.5	78.2
87.5°	25.6	28.2	29.2	30.5	31.7	32.7	31.4	29.5	28.2	26.3	24.4
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: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1
2.5°	2072.4	2088.5	2106.7	2125.0	2143.0	2161.9	2180.5	2199.1	2217.7	2237.9	2258.4
5°	2054.2	2085.3	2121.5	2156.1	2191.1	2227.9	2264.8	2302.3	2340.1	2376.0	2412.2
7.5°	2051.0	2088.5	2136.6	2182.7	2228.6	2279.9	2331.1	2388.5	2445.9	2506.8	2567.7
10°	2053.2	2093.3	2144.6	2197.5	2250.4	2313.8	2377.0	2448.5	2519.6	2592.7	2665.5
12.5°	2057.4	2096.5	2152.6	2210.6	2269.0	2339.8	2410.6	2490.5	2570.3	2642.7	2715.2
15°	2049.0	2083.7	2146.2	2211.9	2277.6	2354.2	2430.5	2511.6	2592.7	2665.8	2739.2
17.5°	2006.1	2035.6	2108.7	2185.0	2261.6	2348.5	2435.6	2522.2	2608.8	2677.0	2745.6
20°	1920.8	1939.4	2036.2	2136.9	2237.5	2339.8	2442.1	2535.0	2628.0	2697.2	2766.5
22.5°	1822.4	1840.0	1955.4	2081.7	2208.0	2333.1	2458.1	2560.0	2662.3	2725.4	2788.9
25°	1724.6	1726.2	1858.6	2016.0	2173.4	2332.4	2491.4	2603.0	2714.5	2769.4	2824.2
27.5°	1633.3	1625.3	1760.5	1948.7	2136.6	2338.5	2540.5	2665.8	2791.5	2833.5	2875.5
30°	1552.2	1543.5	1674.9	1890.0	2105.5	2351.7	2598.2	2740.2	2881.9	2914.6	2947.6
32.5°	1484.2	1484.2	1605.4	1838.8	2072.4	2366.4	2660.7	2827.7	2994.7	3015.2	3035.7
35°	1429.1	1448.9	1542.6	1780.4	2018.0	2362.9	2708.1	2920.7	3133.5	3159.2	3184.8
37.5°	1369.4	1407.3	1481.0	1715.7	1950.6	2352.9	2755.2	3034.1	3313.0	3343.5	3373.9
40°	1305.3	1352.8	1411.1	1638.4	1865.7	2330.5	2795.3	3164.0	3532.6	3592.9	3652.8
42.5°	1234.8	1293.5	1334.2	1546.4	1758.3	2291.7	2824.8	3307.6	3789.7	3917.0	4043.9
45°	1163.0	1221.3	1258.2	1452.8	1647.7	2265.1	2882.5	3502.5	4122.5	4326.0	4529.6
47.5°	1081.9	1136.4	1179.0	1359.8	1541.3	2234.0	2926.8	3702.8	4478.9	4736.7	4994.4
50°	1000.8	1054.7	1113.0	1277.1	1440.9	2181.1	2921.0	3877.5	4834.1	5183.5	5532.9
52.5°	934.4	992.1	1066.8	1202.8	1339.3	2072.8	2806.5	3960.2	5113.6	5668.9	6223.8
55°	893.7	961.7	1036.1	1140.6	1244.4	1929.2	2613.2	3938.5	5263.7	6156.4	7049.2
57.5°	870.3	953.7	1016.2	1088.0	1159.8	1778.8	2397.8	3819.5	5241.2	6565.8	7890.7
60°	851.1	934.4	983.5	1033.8	1084.1	1588.7	2093.3	3534.5	4975.8	6749.2	8522.2
62.5°	827.7	907.2	928.0	955.9	984.1	1347.7	1711.2	3067.5	4423.8	6342.4	8260.9
65°	*783.8*	*849.5*	*855.3*	*861.0*	*867.1*	*1059.1*	*1250.8*	*2406.2*	*3561.5*	*5470.4*	*7379.4*
67.5°	716.5	761.3	752.7	735.7	718.7	809.7	900.8	1872.4	2844.0	4698.2	6552.3
70°	609.7	631.5	634.1	608.8	583.4	615.5	647.5	1434.8	2222.2	3991.3	5760.5
72.5°	499.4	485.7	511.3	492.1	472.8	473.2	473.8	1078.7	1683.6	3314.3	4944.7
75°	416.1	407.1	396.9	373.8	351.0	352.9	355.2	799.5	1243.8	2646.3	4048.7
77.5°	338.2	336.6	307.1	282.1	257.1	255.8	253.9	516.7	779.6	1736.2	2692.7
80°	256.5	258.1	216.4	190.4	164.1	162.8	160.9	285.6	410.3	995.4	1580.4
82.5°	155.5	149.1	125.7	112.8	100.0	99.7	99.4	153.6	207.7	498.8	790.2
85°	77.6	73.7	60.9	52.6	44.2	42.0	40.1	48.7	57.7	118.6	179.5
87.5°	22.4	19.2	17.6	16.0	14.4	13.5	12.8	13.1	13.5	14.1	14.4
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: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	*2090.1*	2090.1	2090.1
2.5°	2266.4	2274.4	2283.1	2292.0	2297.2	2302.3	2307.7	2312.9	*2317.7*	2312.9	2307.7
5°	2448.5	2484.4	2508.7	2533.1	2551.7	2570.3	2580.9	2591.8	*2593.4*	2591.8	2580.9
7.5°	2610.7	2653.6	2690.8	2728.0	2751.7	2775.4	2789.2	2803.3	*2808.1*	2803.3	2789.2
10°	2715.8	2766.5	2802.4	2838.6	2860.7	2882.5	2893.4	2904.3	*2907.5*	2904.3	2893.4
12.5°	2763.6	2812.0	2839.9	2867.4	2881.6	2895.3	2900.5	2905.0	*2901.1*	2905.0	2900.5
15°	2767.8	2796.0	2807.8	2819.4	2812.6	2805.6	2795.6	2785.7	*2779.3*	2785.7	2795.6
17.5°	2755.6	2765.8	2744.3	2723.2	2684.7	2646.3	2617.4	2588.6	*2567.7*	2588.6	2617.4
20°	2750.4	2734.4	2677.4	2620.6	2548.5	2476.4	2428.0	2379.2	*2349.7*	2379.2	2428.0
22.5°	2743.7	2698.5	2602.7	2506.8	2408.1	2309.7	2253.9	2198.4	*2167.0*	2198.4	2253.9
25°	2746.6	2668.7	2539.2	2410.0	2294.0	2178.2	2117.6	2057.4	*2022.8*	2057.4	2117.6
27.5°	2756.9	2638.2	2478.0	2317.7	2192.0	2066.0	2008.3	1950.6	*1920.2*	1950.6	2008.3
30°	2790.2	2632.5	2440.8	2248.8	2117.3	1985.9	1929.5	1872.7	*1840.0*	1872.7	1929.5
32.5°	2837.0	2638.2	2423.5	2208.7	2074.7	1941.0	1886.8	1833.0	*1804.8*	1833.0	1886.8
35°	2933.2	2681.5	2443.3	2205.5	2081.1	1957.0	1917.3	1877.9	*1862.5*	1877.9	1917.3
37.5°	3080.0	2785.7	2540.5	2295.2	2210.6	2126.0	2126.0	2126.0	*2138.2*	2126.0	2126.0
40°	3322.6	2992.5	2760.4	2528.6	2523.5	2519.0	2572.8	2627.0	*2651.1*	2627.0	2572.8
42.5°	3694.8	3346.0	3158.8	2971.6	3083.8	3196.0	3351.8	3507.6	*3609.6*	3507.6	3351.8
45°	4189.8	3850.0	3719.2	3588.7	3838.4	4087.8	4363.2	4638.6	*4834.1*	4638.6	4363.2
47.5°	4708.4	4422.2	4347.5	4273.1	4688.3	5103.4	5507.0	5910.6	*6148.4*	5910.6	5507.0
50°	5275.8	5018.4	5004.0	4989.6	5542.6	6095.5	6616.4	7137.4	*7427.5*	7137.4	6616.4
52.5°	5941.3	5658.6	5670.1	5681.0	6337.9	6994.7	7624.6	8254.5	*8581.5*	8254.5	7624.6
55°	6695.0	6340.8	6338.8	6336.9	7091.5	7846.8	8620.6	9395.1	*9831.7*	9395.1	8620.6
57.5°	7558.9	7227.1	7148.3	7069.1	7858.3	8647.2	9501.8	10356.8	*10815.8*	10356.8	9501.8
60°	8339.5	8156.8	8030.5	7904.5	8714.9	9525.6	10408.4	11290.9	*11748.7*	11290.9	10408.4
62.5°	8587.6	8914.2	8905.0	8895.7	9770.5	10645.3	11563.4	12482.1	*12893.1*	12482.1	11563.4
65°	*7900.3*	*8421.2*	*8779.6*	*9137.7*	*10195.2*	*11252.4*	*12209.0*	*13165.6*	*13585.5*	*13165.6*	*12209.0*
67.5°	7011.4	7470.7	7764.1	8057.4	9248.9	10440.8	11526.2	12611.6	*13043.8*	12611.6	11526.2
70°	6269.0	6777.4	6987.0	7196.7	8209.0	9221.0	10079.8	10938.3	*11107.5*	10938.3	10079.8
72.5°	5549.3	6154.2	6243.0	6331.8	7068.4	7805.1	8262.5	8720.0	*8350.7*	8720.0	8262.5
75°	4730.9	5412.7	5472.0	5531.3	5760.9	5990.7	6107.1	6223.8	*6013.8*	6223.8	6107.1
77.5°	3283.2	3874.0	4007.1	4140.1	4293.0	4446.2	4438.2	4430.2	*4135.3*	4430.2	4438.2
80°	2042.3	2504.2	2521.6	2538.9	2653.6	2768.1	2885.1	3002.1	*2814.6*	3002.1	2885.1
82.5°	1043.8	1297.6	1336.8	1375.9	1446.1	1516.3	1549.0	1582.0	*1423.3*	1582.0	1549.0
85°	245.6	311.6	375.4	439.2	512.9	586.6	578.3	570.0	*480.8*	570.0	578.3
87.5°	14.7	15.4	15.7	16.0	16.3	16.7	17.6	18.6	*19.2*	18.6	17.6
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: P1364221
CATALOG NUMBER: GSS-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1
2.5°	2302.3	2297.2	2292.0	2283.1	2274.4	2266.4	2258.4
5°	2570.3	2551.7	2533.1	2508.7	2484.4	2448.5	2412.2
7.5°	2775.4	2751.7	2728.0	2690.8	2653.6	2610.7	2567.7
10°	2882.5	2860.7	2838.6	2802.4	2766.5	2715.8	2665.5
12.5°	2895.3	2881.6	2867.4	2839.9	2812.0	2763.6	2715.2
15°	2805.6	2812.6	2819.4	2807.8	2796.0	2767.8	2739.2
17.5°	2646.3	2684.7	2723.2	2744.3	2765.8	2755.6	2745.6
20°	2476.4	2548.5	2620.6	2677.4	2734.4	2750.4	2766.5
22.5°	2309.7	2408.1	2506.8	2602.7	2698.5	2743.7	2788.9
25°	2178.2	2294.0	2410.0	2539.2	2668.7	2746.6	2824.2
27.5°	2066.0	2192.0	2317.7	2478.0	2638.2	2756.9	2875.5
30°	1985.9	2117.3	2248.8	2440.8	2632.5	2790.2	2947.6
32.5°	1941.0	2074.7	2208.7	2423.5	2638.2	2837.0	3035.7
35°	1957.0	2081.1	2205.5	2443.3	2681.5	2933.2	3184.8
37.5°	2126.0	2210.6	2295.2	2540.5	2785.7	3080.0	3373.9
40°	2519.0	2523.5	2528.6	2760.4	2992.5	3322.6	3652.8
42.5°	3196.0	3083.8	2971.6	3158.8	3346.0	3694.8	4043.9
45°	4087.8	3838.4	3588.7	3719.2	3850.0	4189.8	4529.6
47.5°	5103.4	4688.3	4273.1	4347.5	4422.2	4708.4	4994.4
50°	6095.5	5542.6	4989.6	5004.0	5018.4	5275.8	5532.9
52.5°	6994.7	6337.9	5681.0	5670.1	5658.6	5941.3	6223.8
55°	7846.8	7091.5	6336.9	6338.8	6340.8	6695.0	7049.2
57.5°	8647.2	7858.3	7069.1	7148.3	7227.1	7558.9	7890.7
60°	9525.6	8714.9	7904.5	8030.5	8156.8	8339.5	8522.2
62.5°	10645.3	9770.5	8895.7	8905.0	8914.2	8587.6	8260.9
65°	*11252.4*	*10195.2*	*9137.7*	*8779.6*	*8421.2*	*7900.3*	*7379.4*
67.5°	10440.8	9248.9	8057.4	7764.1	7470.7	7011.4	6552.3
70°	9221.0	8209.0	7196.7	6987.0	6777.4	6269.0	5760.5
72.5°	7805.1	7068.4	6331.8	6243.0	6154.2	5549.3	4944.7
75°	5990.7	5760.9	5531.3	5472.0	5412.7	4730.9	4048.7
77.5°	4446.2	4293.0	4140.1	4007.1	3874.0	3283.2	2692.7
80°	2768.1	2653.6	2538.9	2521.6	2504.2	2042.3	1580.4
82.5°	1516.3	1446.1	1375.9	1336.8	1297.6	1043.8	790.2
85°	586.6	512.9	439.2	375.4	311.6	245.6	179.5
87.5°	16.7	16.3	16.0	15.7	15.4	14.7	14.4
90°	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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

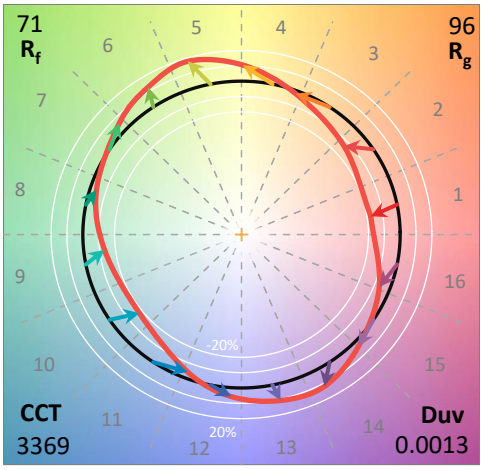
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

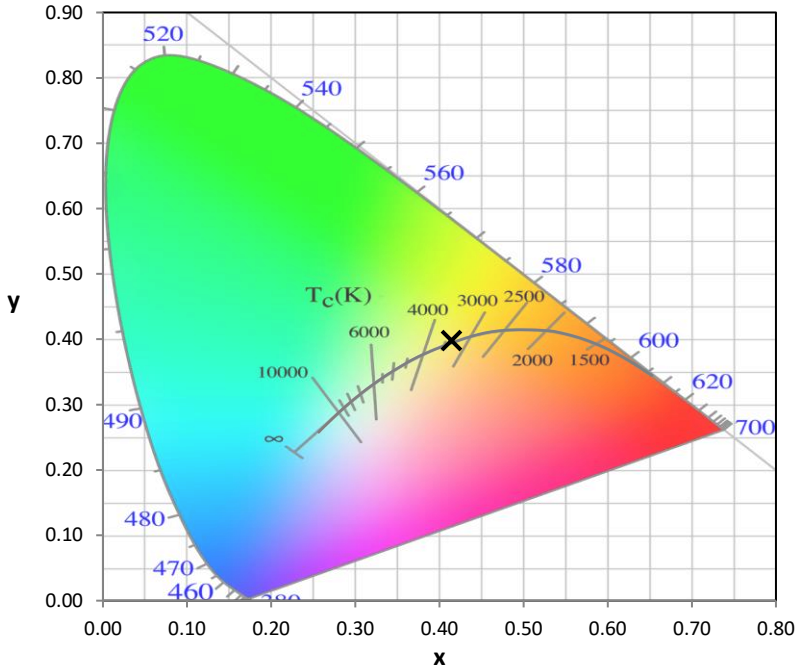
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

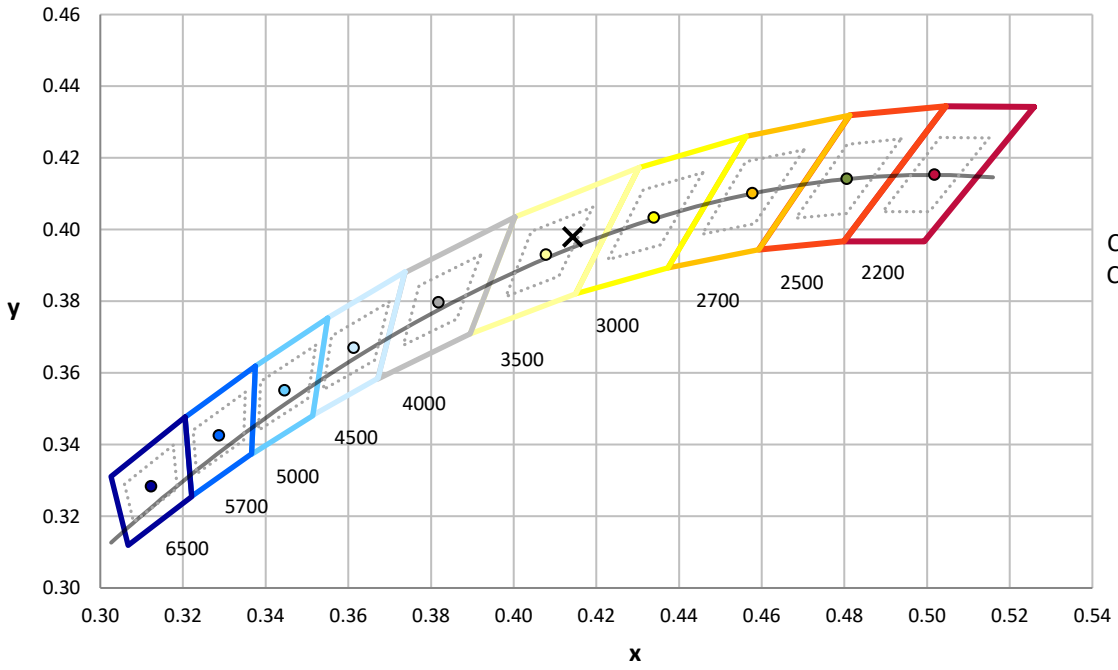
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

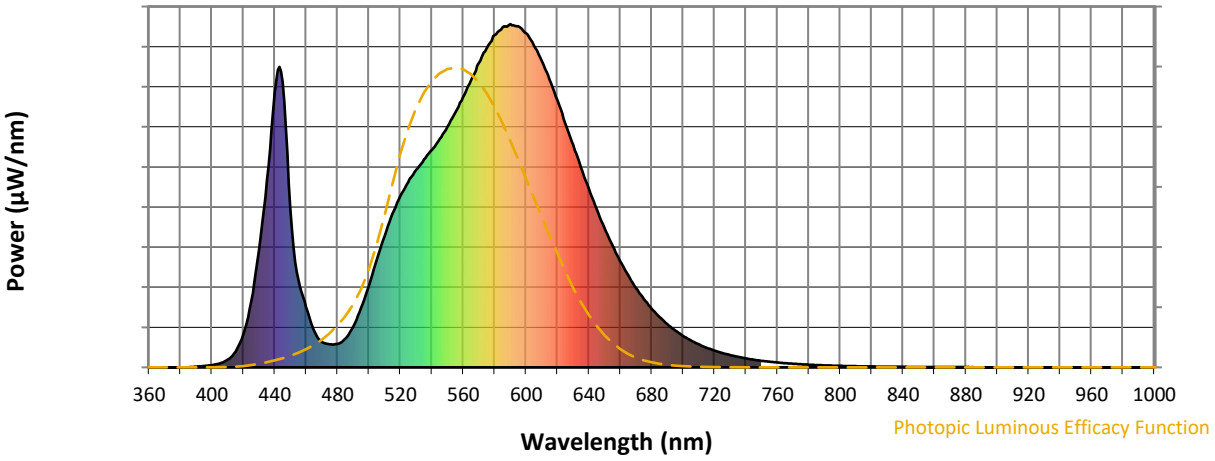


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

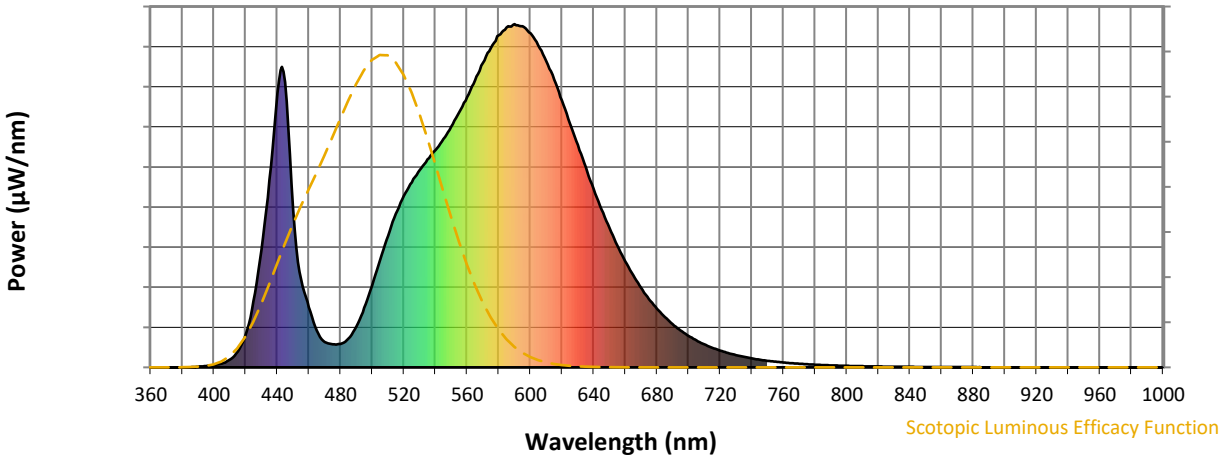


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

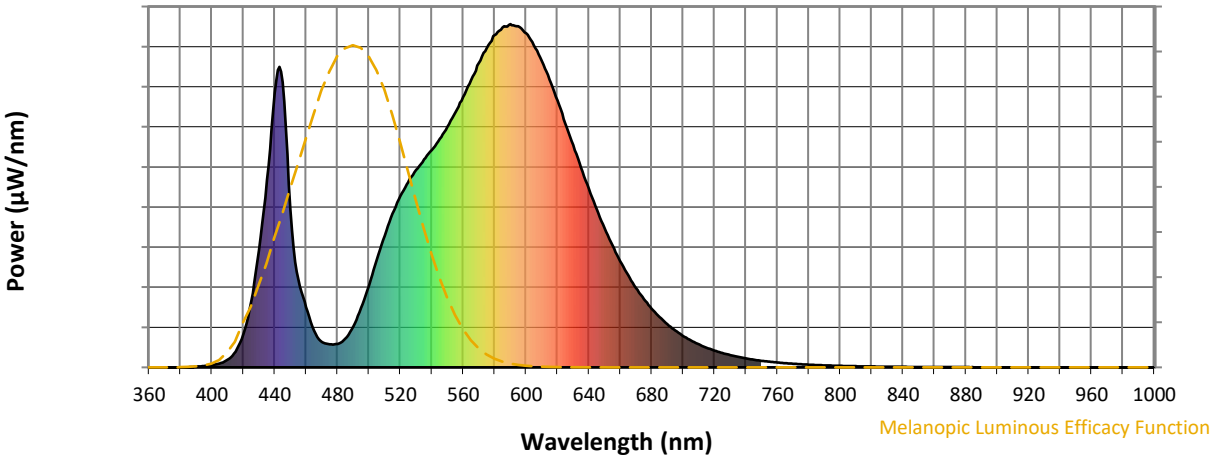


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

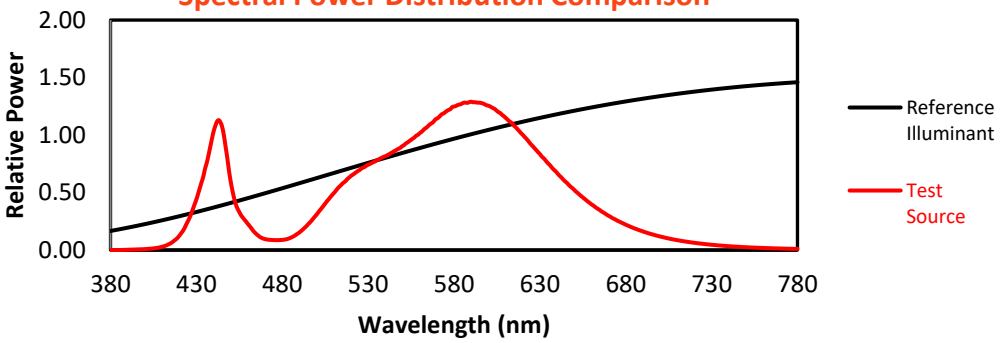
REPORT NUMBER: SP1-2407-184-5

TM-30-18

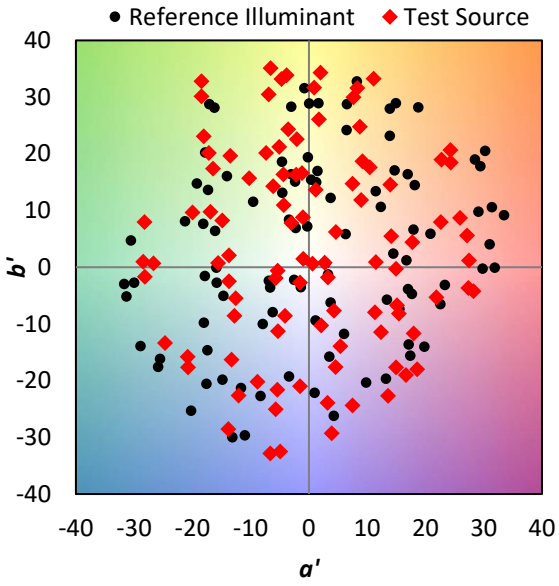
Summary

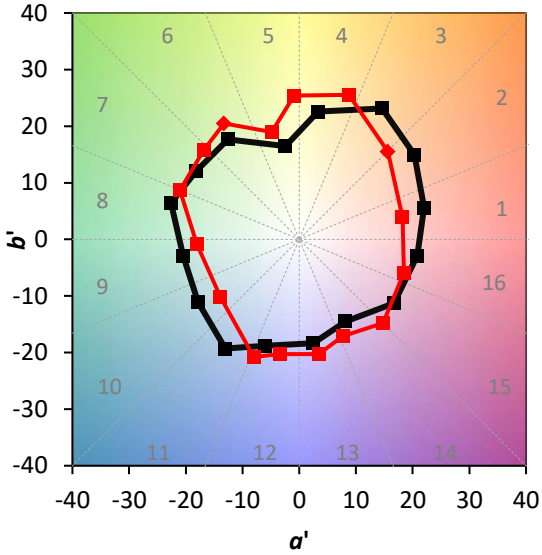
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

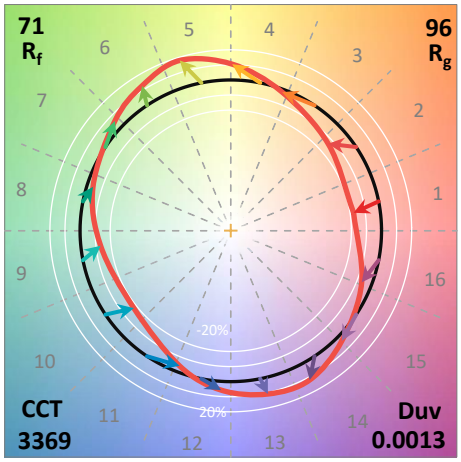
Spectral Power Distribution Comparison

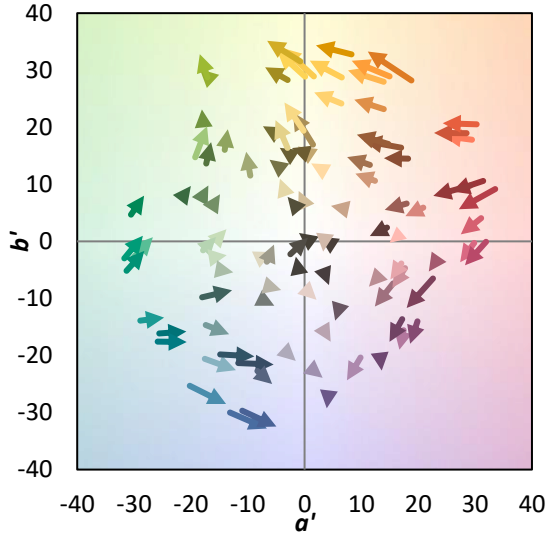


Color Vector Graphics







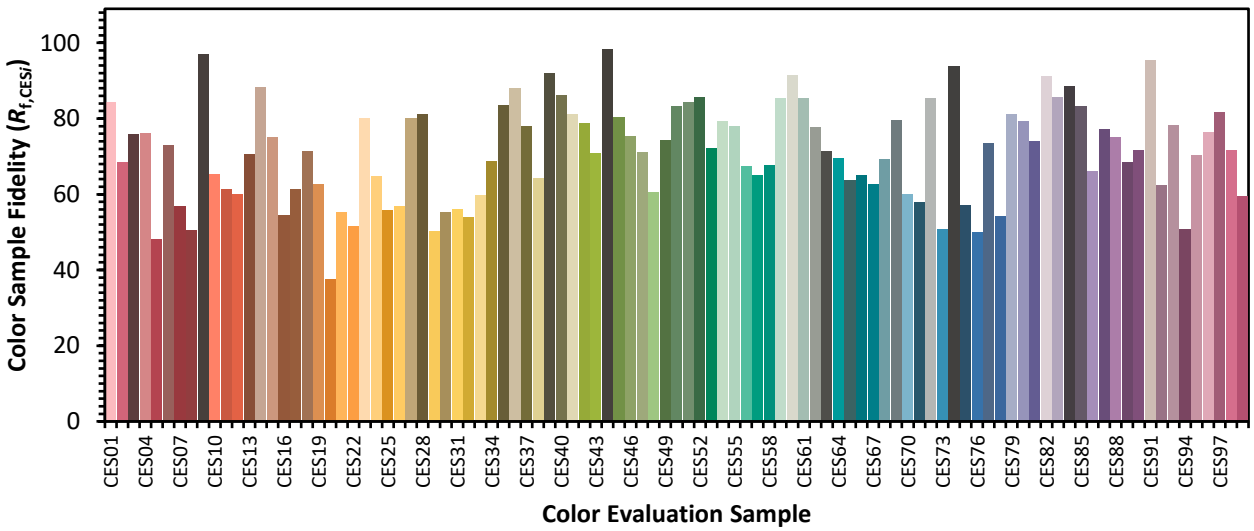


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

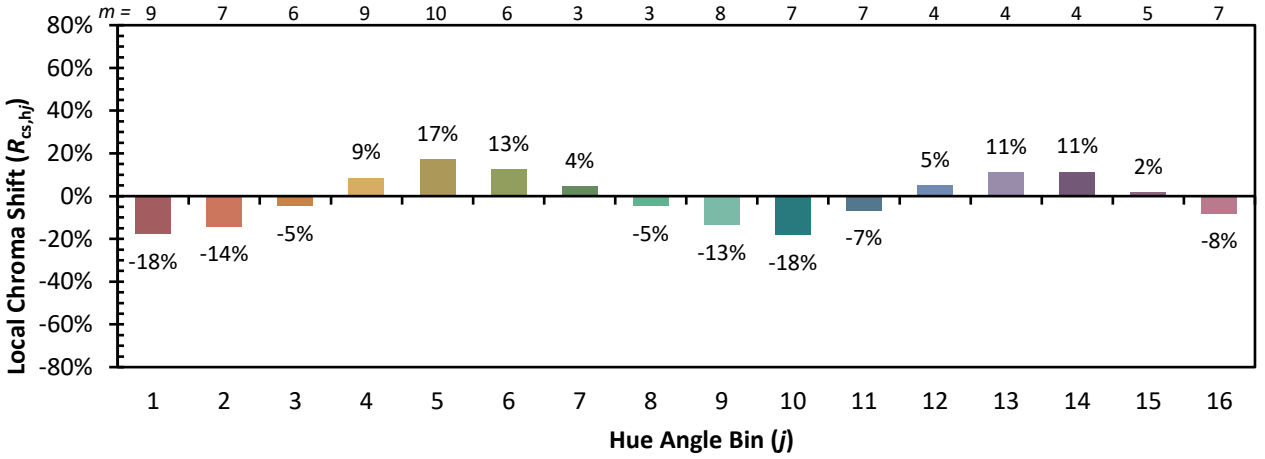
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

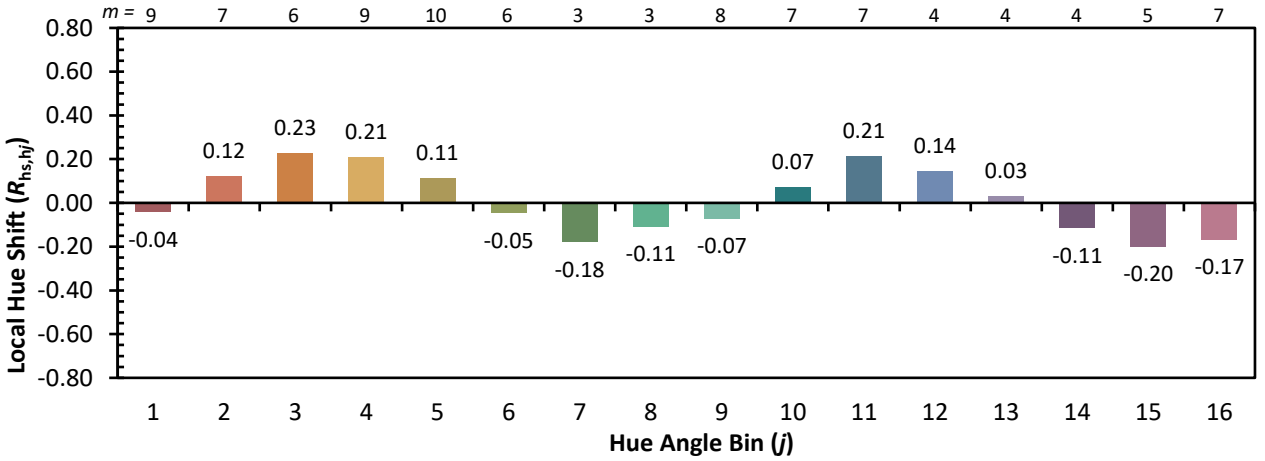


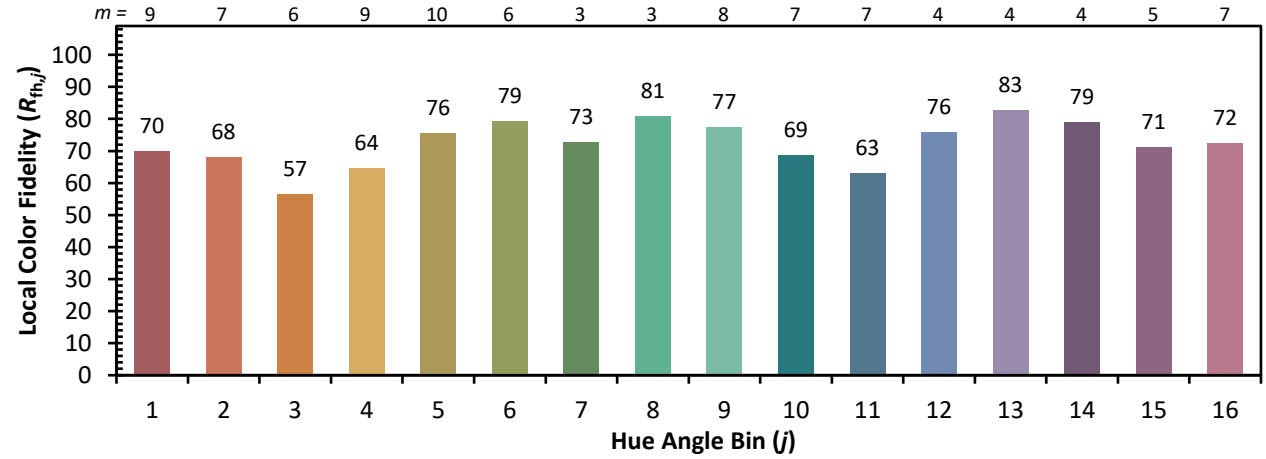
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



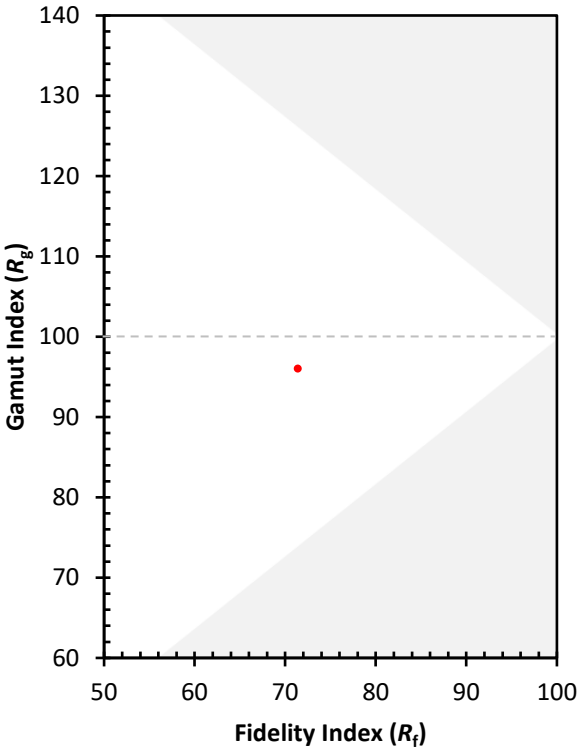


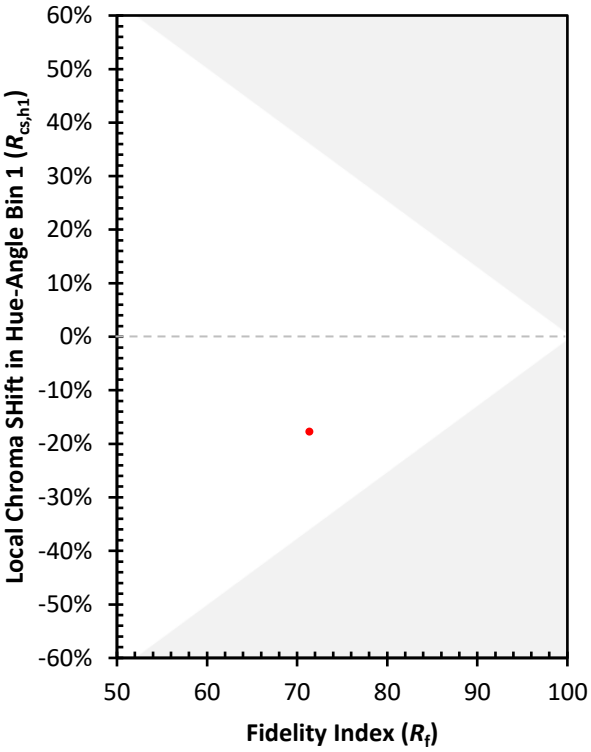


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)