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: P1364389

Luminaire Tested: **GSS-SB2C-850-U-SLR**

Issue Date: 02/18/2026

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364389 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB2C-850-U-SLR |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 80CRI 5000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC |
| Light Source: | (52) 5000K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

Luminaire Equipment:

| Sample No. | Condition | Description |
|---|---|---|
| a | good | reflector |
| b | good | lens |
| c | good | housing |
| d | good | cord |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 12539.2 lumens |
| Efficiency: | N/A |
| Efficacy: | 122.9 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B2 - U0 - G3 |

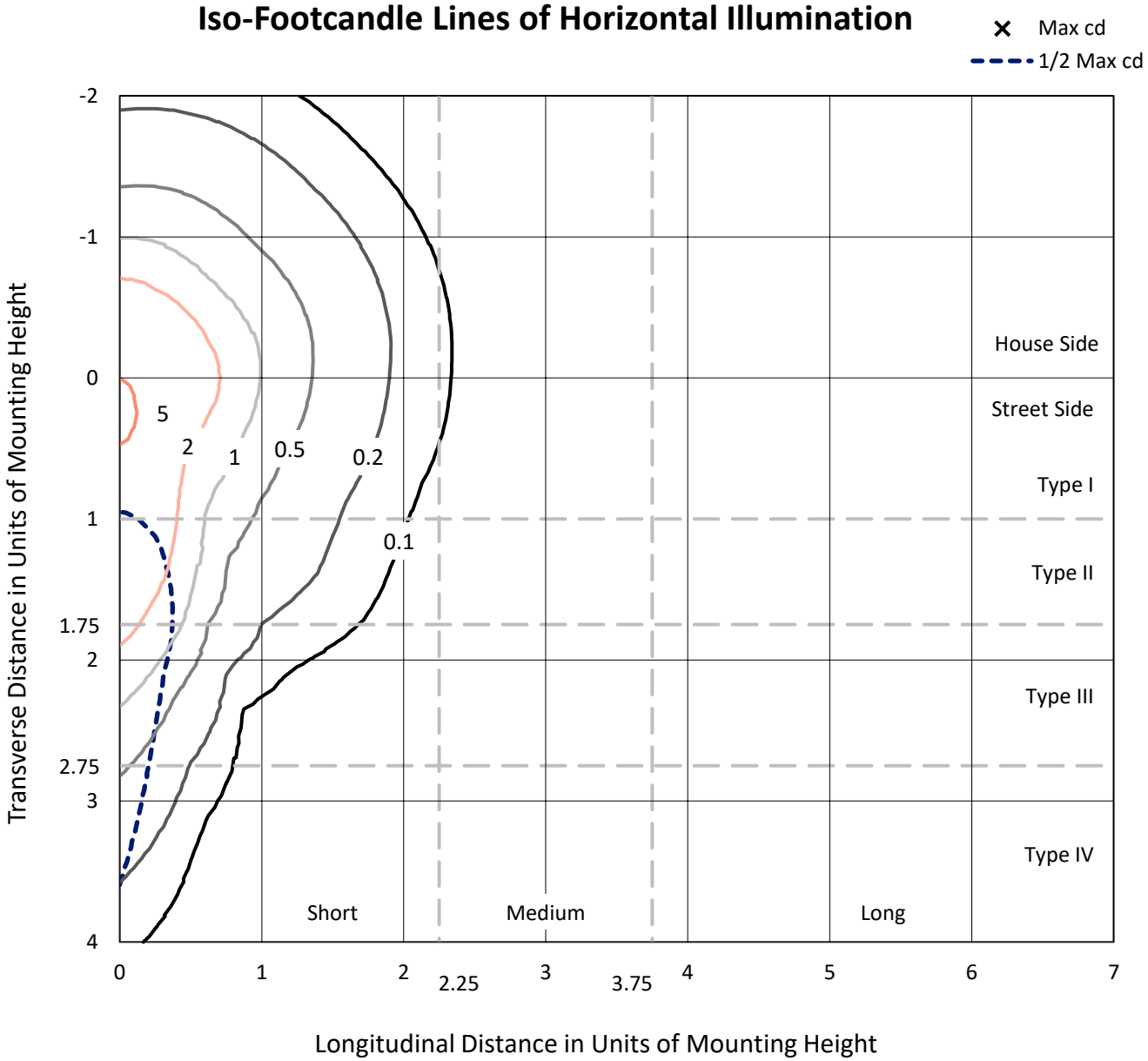
| | |
|---|---|
| Input Watts (W): | 102 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 9.5% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



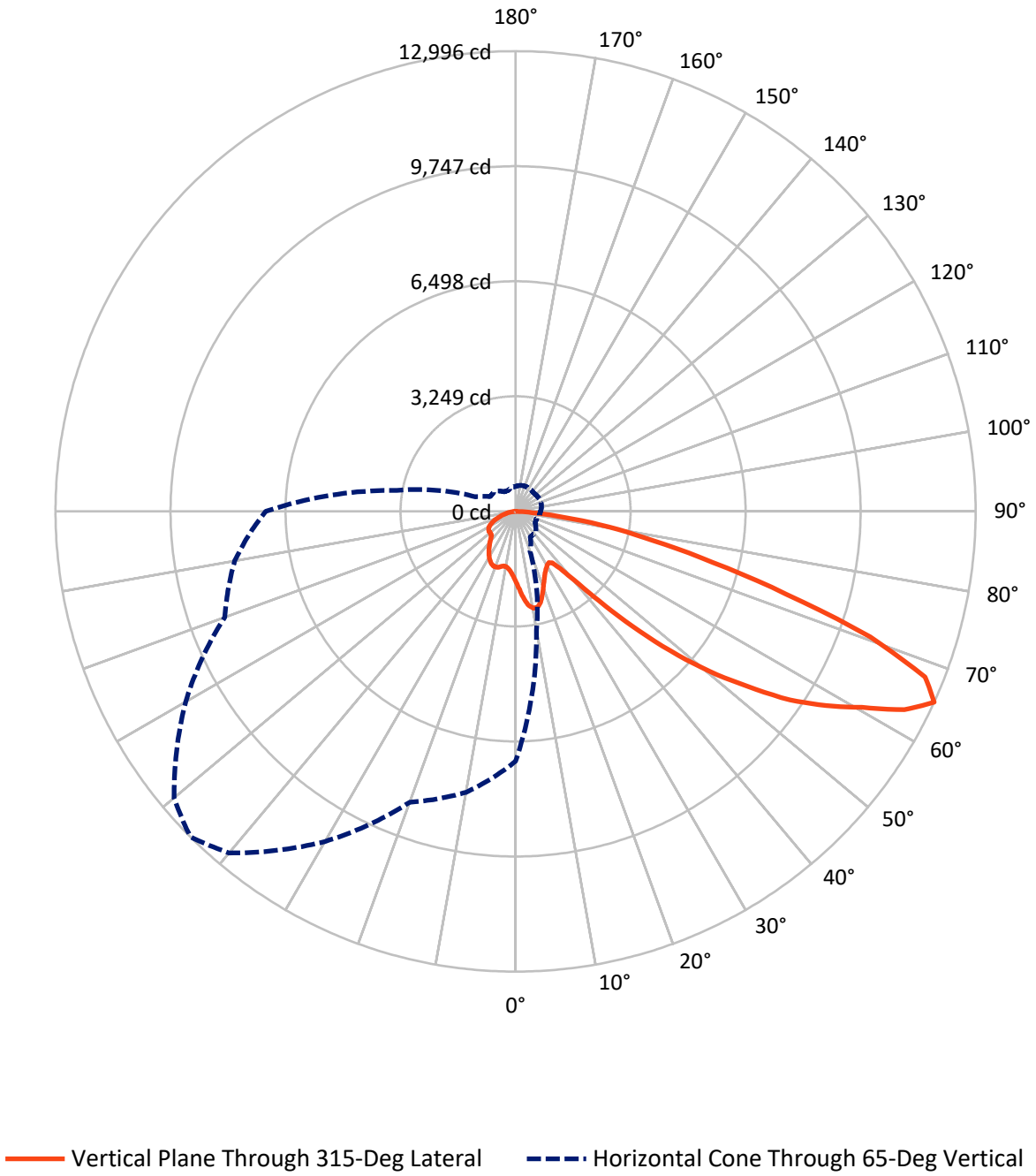

Based on 20 foot mounting height. Maximum calculated value = 6 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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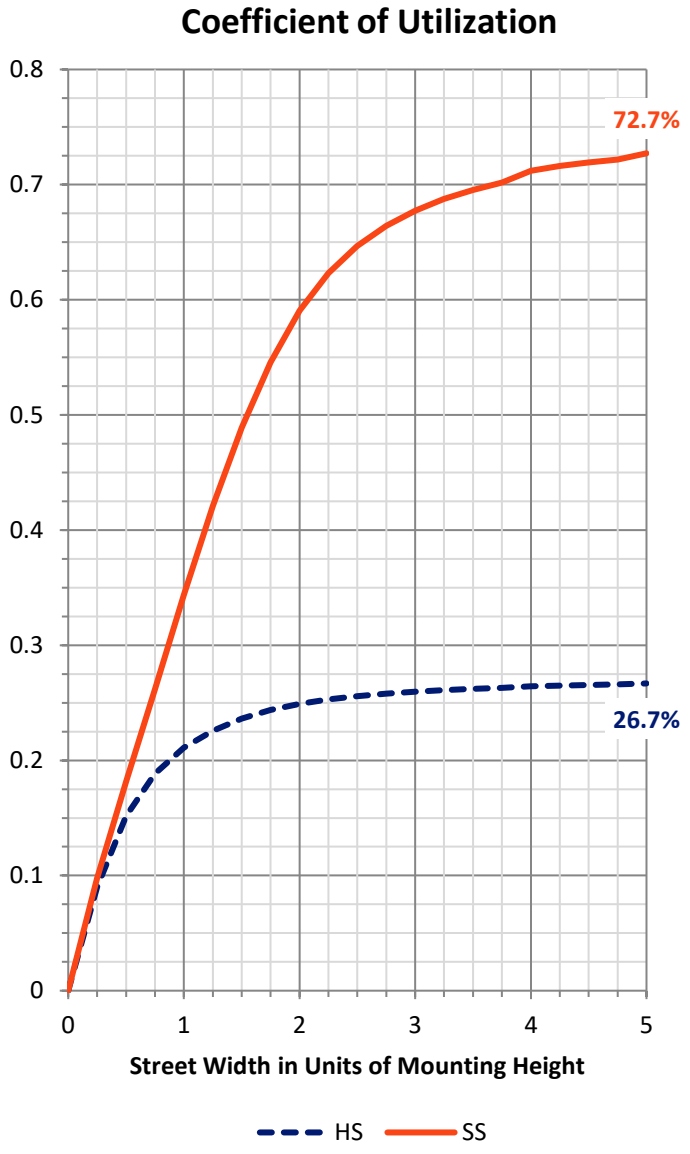
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 3373.3 | 0.0 | 3373.3 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 9165.9 | 0.0 | 9165.9 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 12539.2 | 0.0 | 12539.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 197.4 | 1.6 |
| 10°-20° | 605.0 | 4.8 |
| 20°-30° | 936.3 | 7.5 |
| 30°-40° | 1161.7 | 9.3 |
| 40°-50° | 1698.8 | 13.5 |
| 50°-60° | 2660.9 | 21.2 |
| 60°-70° | 3157.4 | 25.2 |
| 70°-80° | 1841.5 | 14.7 |
| 80°-90° | 280.2 | 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° | 12539.2 | 100.0 |
| 0°-180° | 12539.2 | 100.0 |



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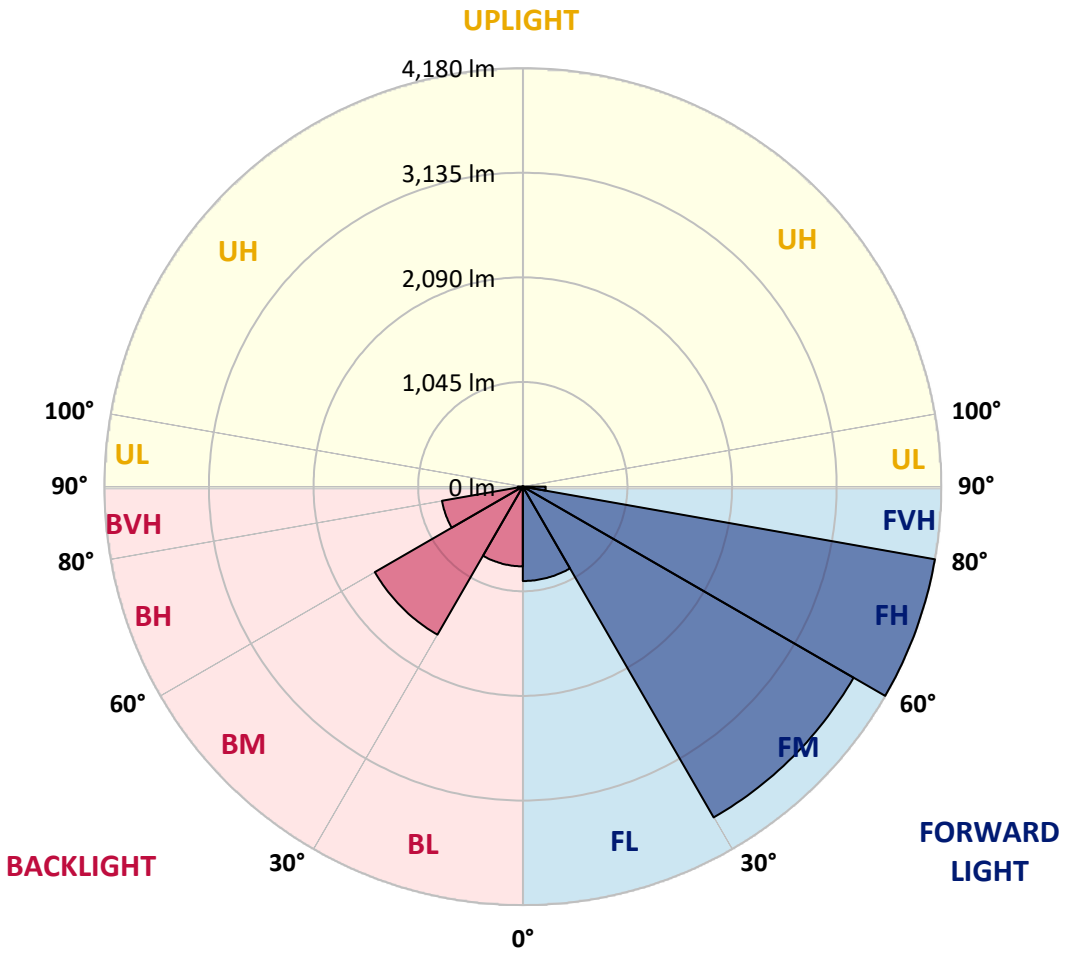
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 942.4 | 7.5 | | | |
| FM | (30°-60°) | 3814.7 | 30.4 | | | |
| FH | (60°-80°) | 4179.6 | 33.3 | | | G2/5000 |
| FVH | (80°-90°) | 229.1 | 1.8 | | | G3/500 |
| BL | (0°-30°) | 796.3 | 6.4 | B2/1000 | | |
| BM | (30°-60°) | 1706.7 | 13.6 | B2/2500 | | |
| BH | (60°-80°) | 819.2 | 6.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 51.0 | 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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 |
| 2.5° | 2160.4 | 2140.8 | 2121.4 | 2103.7 | 2085.9 | 2068.1 | 2050.0 | 2032.8 | 2015.3 | 1997.9 | 1982.5 |
| 5° | 2307.6 | 2272.9 | 2238.6 | 2202.4 | 2166.5 | 2131.3 | 2096.0 | 2062.6 | 2029.4 | 1994.8 | 1965.1 |
| 7.5° | 2456.3 | 2398.1 | 2339.8 | 2284.9 | 2230.0 | 2180.9 | 2131.9 | 2088.0 | 2043.9 | 1997.9 | 1962.0 |
| 10° | 2549.8 | 2480.2 | 2410.3 | 2342.2 | 2273.9 | 2213.4 | 2152.7 | 2102.1 | 2051.5 | 2002.5 | 1964.1 |
| 12.5° | 2597.4 | 2528.1 | 2458.8 | 2382.4 | 2306.1 | 2238.3 | 2170.5 | 2114.7 | 2059.2 | 2005.5 | 1968.1 |
| 15° | 2620.4 | 2550.2 | 2480.2 | 2402.7 | 2325.1 | 2252.1 | 2178.8 | 2115.9 | 2053.1 | 1993.3 | 1960.1 |
| 17.5° | 2626.5 | 2560.9 | 2495.6 | 2412.8 | 2330.0 | 2246.6 | 2163.5 | 2090.2 | 2017.2 | 1947.3 | 1919.1 |
| 20° | 2646.4 | 2580.2 | 2514.0 | 2425.0 | 2336.1 | 2238.3 | 2140.5 | 2044.2 | 1947.9 | 1855.3 | 1837.5 |
| 22.5° | 2667.9 | 2607.2 | 2546.8 | 2449.0 | 2351.4 | 2231.8 | 2112.2 | 1991.4 | 1870.6 | 1760.2 | 1743.3 |
| 25° | 2701.6 | 2649.2 | 2596.8 | 2490.0 | 2383.3 | 2231.2 | 2079.1 | 1928.6 | 1778.0 | 1651.3 | 1649.8 |
| 27.5° | 2750.7 | 2710.5 | 2670.4 | 2550.2 | 2430.2 | 2237.1 | 2043.9 | 1864.2 | 1684.2 | 1554.7 | 1562.4 |
| 30° | 2819.7 | 2788.1 | 2756.8 | 2621.3 | 2485.4 | 2249.6 | 2014.1 | 1808.0 | 1602.3 | 1476.5 | 1484.8 |
| 32.5° | 2904.0 | 2884.4 | 2864.8 | 2705.0 | 2545.2 | 2263.7 | 1982.5 | 1759.0 | 1535.7 | 1419.8 | 1419.8 |
| 35° | 3046.6 | 3022.1 | 2997.6 | 2793.9 | 2590.6 | 2260.4 | 1930.4 | 1703.2 | 1475.6 | 1386.1 | 1367.1 |
| 37.5° | 3227.6 | 3198.4 | 3169.3 | 2902.5 | 2635.7 | 2250.9 | 1866.0 | 1641.2 | 1416.8 | 1346.2 | 1310.0 |
| 40° | 3494.3 | 3437.0 | 3379.3 | 3026.7 | 2674.0 | 2229.4 | 1784.7 | 1567.3 | 1349.9 | 1294.1 | 1248.7 |
| 42.5° | 3868.5 | 3747.0 | 3625.3 | 3164.1 | 2702.3 | 2192.3 | 1682.0 | 1479.3 | 1276.3 | 1237.4 | 1181.2 |
| 45° | 4333.0 | 4138.3 | 3943.6 | 3350.5 | 2757.5 | 2166.8 | 1576.2 | 1389.8 | 1203.6 | 1168.4 | 1112.5 |
| 47.5° | 4777.7 | 4531.1 | 4284.6 | 3542.2 | 2799.8 | 2137.1 | 1474.4 | 1300.8 | 1127.9 | 1087.1 | 1035.0 |
| 50° | 5292.9 | 4958.6 | 4624.4 | 3709.3 | 2794.2 | 2086.5 | 1378.4 | 1221.7 | 1064.7 | 1008.9 | 957.4 |
| 52.5° | 5953.7 | 5422.9 | 4891.8 | 3788.4 | 2684.8 | 1982.8 | 1281.2 | 1150.6 | 1020.6 | 949.1 | 893.9 |
| 55° | 6743.4 | 5889.3 | 5035.3 | 3767.6 | 2499.9 | 1845.5 | 1190.4 | 1091.1 | 991.1 | 920.0 | 855.0 |
| 57.5° | 7548.3 | 6280.9 | 5013.8 | 3653.8 | 2293.8 | 1701.6 | 1109.5 | 1040.8 | 972.1 | 912.3 | 832.6 |
| 60° | 8152.5 | 6456.3 | 4759.9 | 3381.2 | 2002.5 | 1519.8 | 1037.1 | 989.0 | 940.8 | 893.9 | 814.2 |
| 62.5° | 7902.5 | 6067.2 | 4231.9 | 2934.4 | 1636.9 | 1289.2 | 941.4 | 914.4 | 887.8 | 867.8 | 791.8 |
| 65° | *7059.2* | *5233.1* | *3406.9* | *2301.8* | *1196.6* | *1013.2* | *829.5* | *823.7* | *818.2* | *812.6* | *749.8* |
| 67.5° | 6268.0 | 4494.4 | 2720.7 | 1791.2 | 861.7 | 774.6 | 687.5 | 703.8 | 720.0 | 728.3 | 685.4 |
| 70° | 5510.6 | 3818.2 | 2125.7 | 1372.6 | 619.4 | 588.8 | 558.1 | 582.3 | 606.6 | 604.1 | 583.3 |
| 72.5° | 4730.2 | 3170.5 | 1610.6 | 1031.9 | 453.2 | 452.6 | 452.3 | 470.7 | 489.1 | 464.6 | 477.8 |
| 75° | 3873.1 | 2531.4 | 1189.8 | 764.8 | 339.8 | 337.6 | 335.8 | 357.6 | 379.6 | 389.5 | 398.0 |
| 77.5° | 2575.9 | 1660.8 | 745.8 | 494.3 | 242.9 | 244.7 | 245.9 | 269.9 | 293.8 | 322.0 | 323.5 |
| 80° | 1511.8 | 952.2 | 392.5 | 273.2 | 153.9 | 155.8 | 157.0 | 182.2 | 207.0 | 246.9 | 245.3 |
| 82.5° | 755.9 | 477.2 | 198.7 | 146.9 | 95.1 | 95.4 | 95.7 | 107.9 | 120.2 | 142.6 | 148.7 |
| 85° | 171.7 | 113.5 | 55.2 | 46.6 | 38.3 | 40.2 | 42.3 | 50.3 | 58.3 | 70.5 | 74.2 |
| 87.5° | 13.8 | 13.5 | 12.9 | 12.6 | 12.3 | 12.9 | 13.8 | 15.3 | 16.9 | 18.4 | 21.5 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 |
| 2.5° | 1966.0 | 1949.7 | 1936.8 | 1924.3 | 1913.2 | 1901.9 | 1888.7 | 1875.2 | 1865.7 | 1855.9 | 1849.4 |
| 5° | 1935.6 | 1906.8 | 1882.9 | 1858.9 | 1839.3 | 1819.1 | 1801.3 | 1783.2 | 1769.1 | 1754.7 | 1743.0 |
| 7.5° | 1926.1 | 1890.5 | 1859.6 | 1828.3 | 1801.9 | 1775.5 | 1753.5 | 1731.1 | 1709.9 | 1689.1 | 1675.6 |
| 10° | 1926.4 | 1889.0 | 1857.1 | 1825.2 | 1797.3 | 1769.4 | 1740.3 | 1711.1 | 1687.8 | 1664.5 | 1644.3 |
| 12.5° | 1936.8 | 1905.9 | 1883.5 | 1861.4 | 1835.6 | 1809.9 | 1775.2 | 1740.3 | 1708.7 | 1677.4 | 1652.6 |
| 15° | 1939.9 | 1919.7 | 1917.8 | 1916.0 | 1907.1 | 1898.2 | 1866.0 | 1833.8 | 1790.3 | 1746.4 | 1710.8 |
| 17.5° | 1916.3 | 1913.5 | 1943.9 | 1974.3 | 1991.7 | 2009.2 | 1986.8 | 1964.1 | 1902.8 | 1841.5 | 1788.4 |
| 20° | 1855.0 | 1872.1 | 1931.6 | 1990.8 | 2038.0 | 2085.3 | 2082.8 | 2080.7 | 2000.6 | 1920.3 | 1850.7 |
| 22.5° | 1769.1 | 1794.6 | 1872.1 | 1949.7 | 2017.8 | 2085.9 | 2103.4 | 2120.5 | 2042.0 | 1963.2 | 1877.3 |
| 25° | 1677.7 | 1705.6 | 1777.4 | 1849.1 | 1922.4 | 1995.7 | 2028.2 | 2060.7 | 1996.0 | 1931.3 | 1847.9 |
| 27.5° | 1589.1 | 1616.1 | 1669.4 | 1722.8 | 1781.7 | 1840.5 | 1877.0 | 1913.5 | 1874.0 | 1834.4 | 1767.0 |
| 30° | 1505.7 | 1526.5 | 1565.2 | 1603.8 | 1643.7 | 1683.5 | 1712.7 | 1741.8 | 1715.7 | 1689.7 | 1641.2 |
| 32.5° | 1428.7 | 1437.6 | 1462.7 | 1487.9 | 1517.6 | 1547.1 | 1563.3 | 1579.3 | 1559.0 | 1538.8 | 1506.9 |
| 35° | 1359.7 | 1352.4 | 1368.9 | 1385.5 | 1409.4 | 1433.6 | 1445.9 | 1458.1 | 1441.3 | 1424.4 | 1395.9 |
| 37.5° | 1290.4 | 1270.2 | 1278.1 | 1285.5 | 1306.0 | 1326.3 | 1343.8 | 1361.6 | 1349.3 | 1337.0 | 1312.8 |
| 40° | 1219.3 | 1189.8 | 1189.2 | 1188.3 | 1207.9 | 1227.2 | 1249.3 | 1271.1 | 1268.9 | 1266.5 | 1243.5 |
| 42.5° | 1143.8 | 1106.4 | 1102.4 | 1098.4 | 1117.8 | 1137.1 | 1160.4 | 1183.7 | 1188.3 | 1192.9 | 1173.9 |
| 45° | 1073.9 | 1035.9 | 1029.8 | 1023.6 | 1040.2 | 1057.4 | 1082.8 | 1108.6 | 1119.3 | 1130.0 | 1112.9 |
| 47.5° | 1002.2 | 969.0 | 965.4 | 961.4 | 978.8 | 996.6 | 1024.8 | 1053.4 | 1064.7 | 1076.4 | 1064.7 |
| 50° | 930.4 | 903.1 | 907.7 | 912.3 | 931.6 | 950.6 | 972.7 | 995.1 | 1016.3 | 1037.1 | 1035.0 |
| 52.5° | 873.7 | 853.1 | 867.5 | 881.6 | 899.1 | 916.9 | 939.9 | 962.9 | 985.0 | 1007.4 | 1010.7 |
| 55° | 832.3 | 809.6 | 829.8 | 850.1 | 871.2 | 892.4 | 913.8 | 935.3 | 956.2 | 976.7 | 981.3 |
| 57.5° | 800.7 | 769.1 | 789.3 | 809.6 | 832.6 | 855.6 | 877.0 | 898.5 | 922.7 | 947.0 | 950.6 |
| 60° | 774.3 | 734.4 | 747.9 | 761.1 | 784.7 | 808.0 | 830.4 | 852.5 | 877.0 | 901.6 | 906.5 |
| 62.5° | 739.7 | 687.5 | 689.4 | 690.6 | 717.3 | 743.6 | 762.0 | 780.4 | 803.7 | 827.4 | 834.4 |
| 65° | *693.7* | *637.8* | *631.7* | *625.6* | *650.7* | *676.2* | *690.6* | *705.3* | *725.5* | *745.8* | *752.8* |
| 67.5° | 636.0 | 586.3 | 573.8 | 561.2 | 584.5 | 607.8 | 619.8 | 631.7 | 645.5 | 659.3 | 667.3 |
| 70° | 553.8 | 524.4 | 516.4 | 508.4 | 527.4 | 546.5 | 556.9 | 567.3 | 578.4 | 589.4 | 593.7 |
| 72.5° | 471.0 | 464.6 | 458.8 | 453.2 | 467.7 | 482.1 | 491.0 | 499.8 | 510.3 | 520.7 | 523.2 |
| 75° | 394.4 | 391.0 | 386.7 | 382.7 | 393.7 | 404.8 | 411.5 | 418.6 | 429.3 | 440.1 | 444.7 |
| 77.5° | 315.5 | 307.3 | 303.0 | 298.1 | 308.2 | 318.3 | 324.7 | 331.2 | 340.1 | 349.0 | 350.2 |
| 80° | 235.5 | 225.4 | 222.0 | 218.3 | 225.7 | 233.1 | 235.5 | 237.7 | 245.0 | 252.1 | 252.1 |
| 82.5° | 148.7 | 148.7 | 146.6 | 144.1 | 142.6 | 141.1 | 138.0 | 134.9 | 142.3 | 149.6 | 152.1 |
| 85° | 74.8 | 75.1 | 71.8 | 68.1 | 63.8 | 58.9 | 58.0 | 56.7 | 56.4 | 55.8 | 58.0 |
| 87.5° | 23.3 | 25.1 | 27.0 | 28.2 | 30.1 | 31.3 | 30.4 | 29.1 | 27.9 | 27.0 | 24.5 |
| 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° | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 |
| 2.5° | 1843.0 | 1839.9 | 1836.9 | 1834.4 | 1832.3 | 1830.7 | 1832.3 | 1834.4 | 1836.9 | 1839.9 | 1843.0 |
| 5° | 1731.1 | 1726.2 | 1721.0 | 1717.6 | 1714.2 | 1711.1 | 1714.2 | 1717.6 | 1721.0 | 1726.2 | 1731.1 |
| 7.5° | 1662.1 | 1654.1 | 1646.1 | 1640.3 | 1634.5 | 1631.4 | 1634.5 | 1640.3 | 1646.1 | 1654.1 | 1662.1 |
| 10° | 1624.7 | 1613.3 | 1602.3 | 1596.1 | 1590.0 | 1585.4 | 1590.0 | 1596.1 | 1602.3 | 1613.3 | 1624.7 |
| 12.5° | 1627.7 | 1613.6 | 1600.1 | 1590.9 | 1581.7 | 1576.2 | 1581.7 | 1590.9 | 1600.1 | 1613.6 | 1627.7 |
| 15° | 1675.0 | 1655.3 | 1635.1 | 1623.7 | 1612.4 | 1603.8 | 1612.4 | 1623.7 | 1635.1 | 1655.3 | 1675.0 |
| 17.5° | 1735.7 | 1706.8 | 1678.0 | 1667.9 | 1657.5 | 1652.9 | 1657.5 | 1667.9 | 1678.0 | 1706.8 | 1735.7 |
| 20° | 1781.1 | 1742.4 | 1704.4 | 1689.1 | 1673.7 | 1668.2 | 1673.7 | 1689.1 | 1704.4 | 1742.4 | 1781.1 |
| 22.5° | 1791.5 | 1746.1 | 1700.4 | 1686.0 | 1671.3 | 1665.1 | 1671.3 | 1686.0 | 1700.4 | 1746.1 | 1791.5 |
| 25° | 1764.8 | 1717.0 | 1668.8 | 1654.1 | 1639.1 | 1634.5 | 1639.1 | 1654.1 | 1668.8 | 1717.0 | 1764.8 |
| 27.5° | 1699.5 | 1657.2 | 1614.5 | 1598.9 | 1583.0 | 1573.1 | 1583.0 | 1598.9 | 1614.5 | 1657.2 | 1699.5 |
| 30° | 1593.1 | 1561.5 | 1530.2 | 1520.4 | 1510.3 | 1505.7 | 1510.3 | 1520.4 | 1530.2 | 1561.5 | 1593.1 |
| 32.5° | 1475.0 | 1455.4 | 1435.8 | 1429.3 | 1422.9 | 1419.8 | 1422.9 | 1429.3 | 1435.8 | 1455.4 | 1475.0 |
| 35° | 1367.7 | 1353.6 | 1339.5 | 1334.3 | 1329.4 | 1324.8 | 1329.4 | 1334.3 | 1339.5 | 1353.6 | 1367.7 |
| 37.5° | 1288.6 | 1272.0 | 1254.8 | 1245.6 | 1236.4 | 1229.7 | 1236.4 | 1245.6 | 1254.8 | 1272.0 | 1288.6 |
| 40° | 1220.5 | 1196.6 | 1173.0 | 1160.4 | 1147.5 | 1140.8 | 1147.5 | 1160.4 | 1173.0 | 1196.6 | 1220.5 |
| 42.5° | 1154.6 | 1127.0 | 1099.4 | 1080.0 | 1061.0 | 1048.8 | 1061.0 | 1080.0 | 1099.4 | 1127.0 | 1154.6 |
| 45° | 1095.4 | 1064.4 | 1033.4 | 1010.4 | 987.4 | 972.1 | 987.4 | 1010.4 | 1033.4 | 1064.4 | 1095.4 |
| 47.5° | 1053.4 | 1026.7 | 999.7 | 979.5 | 959.2 | 944.5 | 959.2 | 979.5 | 999.7 | 1026.7 | 1053.4 |
| 50° | 1032.8 | 1011.7 | 990.5 | 971.5 | 952.2 | 938.4 | 952.2 | 971.5 | 990.5 | 1011.7 | 1032.8 |
| 52.5° | 1014.4 | 999.1 | 983.8 | 967.2 | 950.6 | 938.4 | 950.6 | 967.2 | 983.8 | 999.1 | 1014.4 |
| 55° | 985.9 | 974.9 | 963.5 | 951.2 | 939.0 | 929.2 | 939.0 | 951.2 | 963.5 | 974.9 | 985.9 |
| 57.5° | 954.3 | 942.7 | 930.7 | 921.5 | 912.3 | 907.7 | 912.3 | 921.5 | 930.7 | 942.7 | 954.3 |
| 60° | 911.4 | 902.2 | 893.0 | 884.4 | 875.5 | 867.8 | 875.5 | 884.4 | 893.0 | 902.2 | 911.4 |
| 62.5° | 841.8 | 837.5 | 833.5 | 823.7 | 814.2 | 803.4 | 814.2 | 823.7 | 833.5 | 837.5 | 841.8 |
| 65° | *759.9* | *757.7* | *755.9* | *748.9* | *742.1* | *729.8* | *742.1* | *748.9* | *755.9* | *757.7* | *759.9* |
| 67.5° | 675.3 | 671.3 | 667.0 | 659.6 | 652.6 | 650.1 | 652.6 | 659.6 | 667.0 | 671.3 | 675.3 |
| 70° | 598.0 | 591.8 | 585.7 | 569.2 | 552.6 | 533.6 | 552.6 | 569.2 | 585.7 | 591.8 | 598.0 |
| 72.5° | 525.9 | 516.4 | 506.6 | 487.3 | 467.7 | 447.7 | 467.7 | 487.3 | 506.6 | 516.4 | 525.9 |
| 75° | 449.3 | 435.8 | 422.6 | 402.0 | 381.8 | 368.0 | 381.8 | 402.0 | 422.6 | 435.8 | 449.3 |
| 77.5° | 352.0 | 340.4 | 328.7 | 316.5 | 304.2 | 297.5 | 304.2 | 316.5 | 328.7 | 340.4 | 352.0 |
| 80° | 252.1 | 243.5 | 234.6 | 228.5 | 222.3 | 217.7 | 222.3 | 228.5 | 234.6 | 243.5 | 252.1 |
| 82.5° | 154.9 | 150.9 | 147.2 | 140.4 | 133.4 | 128.8 | 133.4 | 140.4 | 147.2 | 150.9 | 154.9 |
| 85° | 59.8 | 58.9 | 58.3 | 55.8 | 53.7 | 52.1 | 53.7 | 55.8 | 58.3 | 58.9 | 59.8 |
| 87.5° | 22.1 | 20.2 | 18.4 | 17.2 | 15.9 | 15.3 | 15.9 | 17.2 | 18.4 | 20.2 | 22.1 |
| 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: P1364389
CATALOG NUMBER: GSS-SB2C-850-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 |
| 2.5° | 1849.4 | 1855.9 | 1865.7 | 1875.2 | 1888.7 | 1901.9 | 1913.2 | 1924.3 | 1936.8 | 1949.7 | 1966.0 |
| 5° | 1743.0 | 1754.7 | 1769.1 | 1783.2 | 1801.3 | 1819.1 | 1839.3 | 1858.9 | 1882.9 | 1906.8 | 1935.6 |
| 7.5° | 1675.6 | 1689.1 | 1709.9 | 1731.1 | 1753.5 | 1775.5 | 1801.9 | 1828.3 | 1859.6 | 1890.5 | 1926.1 |
| 10° | 1644.3 | 1664.5 | 1687.8 | 1711.1 | 1740.3 | 1769.4 | 1797.3 | 1825.2 | 1857.1 | 1889.0 | 1926.4 |
| 12.5° | 1652.6 | 1677.4 | 1708.7 | 1740.3 | 1775.2 | 1809.9 | 1835.6 | 1861.4 | 1883.5 | 1905.9 | 1936.8 |
| 15° | 1710.8 | 1746.4 | 1790.3 | 1833.8 | 1866.0 | 1898.2 | 1907.1 | 1916.0 | 1917.8 | 1919.7 | 1939.9 |
| 17.5° | 1788.4 | 1841.5 | 1902.8 | 1964.1 | 1986.8 | 2009.2 | 1991.7 | 1974.3 | 1943.9 | 1913.5 | 1916.3 |
| 20° | 1850.7 | 1920.3 | 2000.6 | 2080.7 | 2082.8 | 2085.3 | 2038.0 | 1990.8 | 1931.6 | 1872.1 | 1855.0 |
| 22.5° | 1877.3 | 1963.2 | 2042.0 | 2120.5 | 2103.4 | 2085.9 | 2017.8 | 1949.7 | 1872.1 | 1794.6 | 1769.1 |
| 25° | 1847.9 | 1931.3 | 1996.0 | 2060.7 | 2028.2 | 1995.7 | 1922.4 | 1849.1 | 1777.4 | 1705.6 | 1677.7 |
| 27.5° | 1767.0 | 1834.4 | 1874.0 | 1913.5 | 1877.0 | 1840.5 | 1781.7 | 1722.8 | 1669.4 | 1616.1 | 1589.1 |
| 30° | 1641.2 | 1689.7 | 1715.7 | 1741.8 | 1712.7 | 1683.5 | 1643.7 | 1603.8 | 1565.2 | 1526.5 | 1505.7 |
| 32.5° | 1506.9 | 1538.8 | 1559.0 | 1579.3 | 1563.3 | 1547.1 | 1517.6 | 1487.9 | 1462.7 | 1437.6 | 1428.7 |
| 35° | 1395.9 | 1424.4 | 1441.3 | 1458.1 | 1445.9 | 1433.6 | 1409.4 | 1385.5 | 1368.9 | 1352.4 | 1359.7 |
| 37.5° | 1312.8 | 1337.0 | 1349.3 | 1361.6 | 1343.8 | 1326.3 | 1306.0 | 1285.5 | 1278.1 | 1270.2 | 1290.4 |
| 40° | 1243.5 | 1266.5 | 1268.9 | 1271.1 | 1249.3 | 1227.2 | 1207.9 | 1188.3 | 1189.2 | 1189.8 | 1219.3 |
| 42.5° | 1173.9 | 1192.9 | 1188.3 | 1183.7 | 1160.4 | 1137.1 | 1117.8 | 1098.4 | 1102.4 | 1106.4 | 1143.8 |
| 45° | 1112.9 | 1130.0 | 1119.3 | 1108.6 | 1082.8 | 1057.4 | 1040.2 | 1023.6 | 1029.8 | 1035.9 | 1073.9 |
| 47.5° | 1064.7 | 1076.4 | 1064.7 | 1053.4 | 1024.8 | 996.6 | 978.8 | 961.4 | 965.4 | 969.0 | 1002.2 |
| 50° | 1035.0 | 1037.1 | 1016.3 | 995.1 | 972.7 | 950.6 | 931.6 | 912.3 | 907.7 | 903.1 | 930.4 |
| 52.5° | 1010.7 | 1007.4 | 985.0 | 962.9 | 939.9 | 916.9 | 899.1 | 881.6 | 867.5 | 853.1 | 873.7 |
| 55° | 981.3 | 976.7 | 956.2 | 935.3 | 913.8 | 892.4 | 871.2 | 850.1 | 829.8 | 809.6 | 832.3 |
| 57.5° | 950.6 | 947.0 | 922.7 | 898.5 | 877.0 | 855.6 | 832.6 | 809.6 | 789.3 | 769.1 | 800.7 |
| 60° | 906.5 | 901.6 | 877.0 | 852.5 | 830.4 | 808.0 | 784.7 | 761.1 | 747.9 | 734.4 | 774.3 |
| 62.5° | 834.4 | 827.4 | 803.7 | 780.4 | 762.0 | 743.6 | 717.3 | 690.6 | 689.4 | 687.5 | 739.7 |
| 65° | *752.8* | *745.8* | *725.5* | *705.3* | *690.6* | *676.2* | *650.7* | *625.6* | *631.7* | *637.8* | *693.7* |
| 67.5° | 667.3 | 659.3 | 645.5 | 631.7 | 619.8 | 607.8 | 584.5 | 561.2 | 573.8 | 586.3 | 636.0 |
| 70° | 593.7 | 589.4 | 578.4 | 567.3 | 556.9 | 546.5 | 527.4 | 508.4 | 516.4 | 524.4 | 553.8 |
| 72.5° | 523.2 | 520.7 | 510.3 | 499.8 | 491.0 | 482.1 | 467.7 | 453.2 | 458.8 | 464.6 | 471.0 |
| 75° | 444.7 | 440.1 | 429.3 | 418.6 | 411.5 | 404.8 | 393.7 | 382.7 | 386.7 | 391.0 | 394.4 |
| 77.5° | 350.2 | 349.0 | 340.1 | 331.2 | 324.7 | 318.3 | 308.2 | 298.1 | 303.0 | 307.3 | 315.5 |
| 80° | 252.1 | 252.1 | 245.0 | 237.7 | 235.5 | 233.1 | 225.7 | 218.3 | 222.0 | 225.4 | 235.5 |
| 82.5° | 152.1 | 149.6 | 142.3 | 134.9 | 138.0 | 141.1 | 142.6 | 144.1 | 146.6 | 148.7 | 148.7 |
| 85° | 58.0 | 55.8 | 56.4 | 56.7 | 58.0 | 58.9 | 63.8 | 68.1 | 71.8 | 75.1 | 74.8 |
| 87.5° | 24.5 | 27.0 | 27.9 | 29.1 | 30.4 | 31.3 | 30.1 | 28.2 | 27.0 | 25.1 | 23.3 |
| 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: P1364389
CATALOG NUMBER: GSS-SB2C-850-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 |
| 2.5° | 1982.5 | 1997.9 | 2015.3 | 2032.8 | 2050.0 | 2068.1 | 2085.9 | 2103.7 | 2121.4 | 2140.8 | 2160.4 |
| 5° | 1965.1 | 1994.8 | 2029.4 | 2062.6 | 2096.0 | 2131.3 | 2166.5 | 2202.4 | 2238.6 | 2272.9 | 2307.6 |
| 7.5° | 1962.0 | 1997.9 | 2043.9 | 2088.0 | 2131.9 | 2180.9 | 2230.0 | 2284.9 | 2339.8 | 2398.1 | 2456.3 |
| 10° | 1964.1 | 2002.5 | 2051.5 | 2102.1 | 2152.7 | 2213.4 | 2273.9 | 2342.2 | 2410.3 | 2480.2 | 2549.8 |
| 12.5° | 1968.1 | 2005.5 | 2059.2 | 2114.7 | 2170.5 | 2238.3 | 2306.1 | 2382.4 | 2458.8 | 2528.1 | 2597.4 |
| 15° | 1960.1 | 1993.3 | 2053.1 | 2115.9 | 2178.8 | 2252.1 | 2325.1 | 2402.7 | 2480.2 | 2550.2 | 2620.4 |
| 17.5° | 1919.1 | 1947.3 | 2017.2 | 2090.2 | 2163.5 | 2246.6 | 2330.0 | 2412.8 | 2495.6 | 2560.9 | 2626.5 |
| 20° | 1837.5 | 1855.3 | 1947.9 | 2044.2 | 2140.5 | 2238.3 | 2336.1 | 2425.0 | 2514.0 | 2580.2 | 2646.4 |
| 22.5° | 1743.3 | 1760.2 | 1870.6 | 1991.4 | 2112.2 | 2231.8 | 2351.4 | 2449.0 | 2546.8 | 2607.2 | 2667.9 |
| 25° | 1649.8 | 1651.3 | 1778.0 | 1928.6 | 2079.1 | 2231.2 | 2383.3 | 2490.0 | 2596.8 | 2649.2 | 2701.6 |
| 27.5° | 1562.4 | 1554.7 | 1684.2 | 1864.2 | 2043.9 | 2237.1 | 2430.2 | 2550.2 | 2670.4 | 2710.5 | 2750.7 |
| 30° | 1484.8 | 1476.5 | 1602.3 | 1808.0 | 2014.1 | 2249.6 | 2485.4 | 2621.3 | 2756.8 | 2788.1 | 2819.7 |
| 32.5° | 1419.8 | 1419.8 | 1535.7 | 1759.0 | 1982.5 | 2263.7 | 2545.2 | 2705.0 | 2864.8 | 2884.4 | 2904.0 |
| 35° | 1367.1 | 1386.1 | 1475.6 | 1703.2 | 1930.4 | 2260.4 | 2590.6 | 2793.9 | 2997.6 | 3022.1 | 3046.6 |
| 37.5° | 1310.0 | 1346.2 | 1416.8 | 1641.2 | 1866.0 | 2250.9 | 2635.7 | 2902.5 | 3169.3 | 3198.4 | 3227.6 |
| 40° | 1248.7 | 1294.1 | 1349.9 | 1567.3 | 1784.7 | 2229.4 | 2674.0 | 3026.7 | 3379.3 | 3437.0 | 3494.3 |
| 42.5° | 1181.2 | 1237.4 | 1276.3 | 1479.3 | 1682.0 | 2192.3 | 2702.3 | 3164.1 | 3625.3 | 3747.0 | 3868.5 |
| 45° | 1112.5 | 1168.4 | 1203.6 | 1389.8 | 1576.2 | 2166.8 | 2757.5 | 3350.5 | 3943.6 | 4138.3 | 4333.0 |
| 47.5° | 1035.0 | 1087.1 | 1127.9 | 1300.8 | 1474.4 | 2137.1 | 2799.8 | 3542.2 | 4284.6 | 4531.1 | 4777.7 |
| 50° | 957.4 | 1008.9 | 1064.7 | 1221.7 | 1378.4 | 2086.5 | 2794.2 | 3709.3 | 4624.4 | 4958.6 | 5292.9 |
| 52.5° | 893.9 | 949.1 | 1020.6 | 1150.6 | 1281.2 | 1982.8 | 2684.8 | 3788.4 | 4891.8 | 5422.9 | 5953.7 |
| 55° | 855.0 | 920.0 | 991.1 | 1091.1 | 1190.4 | 1845.5 | 2499.9 | 3767.6 | 5035.3 | 5889.3 | 6743.4 |
| 57.5° | 832.6 | 912.3 | 972.1 | 1040.8 | 1109.5 | 1701.6 | 2293.8 | 3653.8 | 5013.8 | 6280.9 | 7548.3 |
| 60° | 814.2 | 893.9 | 940.8 | 989.0 | 1037.1 | 1519.8 | 2002.5 | 3381.2 | 4759.9 | 6456.3 | 8152.5 |
| 62.5° | 791.8 | 867.8 | 887.8 | 914.4 | 941.4 | 1289.2 | 1636.9 | 2934.4 | 4231.9 | 6067.2 | 7902.5 |
| 65° | *749.8* | *812.6* | *818.2* | *823.7* | *829.5* | *1013.2* | *1196.6* | *2301.8* | *3406.9* | *5233.1* | *7059.2* |
| 67.5° | 685.4 | 728.3 | 720.0 | 703.8 | 687.5 | 774.6 | 861.7 | 1791.2 | 2720.7 | 4494.4 | 6268.0 |
| 70° | 583.3 | 604.1 | 606.6 | 582.3 | 558.1 | 588.8 | 619.4 | 1372.6 | 2125.7 | 3818.2 | 5510.6 |
| 72.5° | 477.8 | 464.6 | 489.1 | 470.7 | 452.3 | 452.6 | 453.2 | 1031.9 | 1610.6 | 3170.5 | 4730.2 |
| 75° | 398.0 | 389.5 | 379.6 | 357.6 | 335.8 | 337.6 | 339.8 | 764.8 | 1189.8 | 2531.4 | 3873.1 |
| 77.5° | 323.5 | 322.0 | 293.8 | 269.9 | 245.9 | 244.7 | 242.9 | 494.3 | 745.8 | 1660.8 | 2575.9 |
| 80° | 245.3 | 246.9 | 207.0 | 182.2 | 157.0 | 155.8 | 153.9 | 273.2 | 392.5 | 952.2 | 1511.8 |
| 82.5° | 148.7 | 142.6 | 120.2 | 107.9 | 95.7 | 95.4 | 95.1 | 146.9 | 198.7 | 477.2 | 755.9 |
| 85° | 74.2 | 70.5 | 58.3 | 50.3 | 42.3 | 40.2 | 38.3 | 46.6 | 55.2 | 113.5 | 171.7 |
| 87.5° | 21.5 | 18.4 | 16.9 | 15.3 | 13.8 | 12.9 | 12.3 | 12.6 | 12.9 | 13.5 | 13.8 |
| 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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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364389
CATALOG NUMBER: GSS-SB2C-850-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | *1999.4* | 1999.4 | 1999.4 |
| 2.5° | 2168.1 | 2175.7 | 2184.0 | 2192.6 | 2197.5 | 2202.4 | 2207.6 | 2212.5 | *2217.1* | 2212.5 | 2207.6 |
| 5° | 2342.2 | 2376.6 | 2399.9 | 2423.2 | 2441.0 | 2458.8 | 2468.9 | 2479.3 | *2480.8* | 2479.3 | 2468.9 |
| 7.5° | 2497.4 | 2538.5 | 2574.1 | 2609.6 | 2632.3 | 2655.0 | 2668.2 | 2681.7 | *2686.3* | 2681.7 | 2668.2 |
| 10° | 2598.0 | 2646.4 | 2680.8 | 2715.4 | 2736.6 | 2757.5 | 2767.9 | 2778.3 | *2781.4* | 2778.3 | 2767.9 |
| 12.5° | 2643.7 | 2690.0 | 2716.7 | 2743.0 | 2756.5 | 2769.7 | 2774.6 | 2778.9 | *2775.2* | 2778.9 | 2774.6 |
| 15° | 2647.7 | 2674.7 | 2686.0 | 2697.0 | 2690.6 | 2683.9 | 2674.3 | 2664.8 | *2658.7* | 2664.8 | 2674.3 |
| 17.5° | 2636.0 | 2645.8 | 2625.3 | 2605.0 | 2568.2 | 2531.4 | 2503.8 | 2476.2 | *2456.3* | 2476.2 | 2503.8 |
| 20° | 2631.1 | 2615.8 | 2561.2 | 2506.9 | 2437.9 | 2368.9 | 2322.6 | 2276.0 | *2247.8* | 2276.0 | 2322.6 |
| 22.5° | 2624.7 | 2581.4 | 2489.7 | 2398.1 | 2303.6 | 2209.5 | 2156.1 | 2103.0 | *2073.0* | 2103.0 | 2156.1 |
| 25° | 2627.4 | 2552.9 | 2429.0 | 2305.4 | 2194.4 | 2083.7 | 2025.8 | 1968.1 | *1935.0* | 1968.1 | 2025.8 |
| 27.5° | 2637.2 | 2523.8 | 2370.5 | 2217.1 | 2096.9 | 1976.4 | 1921.2 | 1866.0 | *1836.9* | 1866.0 | 1921.2 |
| 30° | 2669.1 | 2518.3 | 2334.9 | 2151.2 | 2025.5 | 1899.7 | 1845.8 | 1791.5 | *1760.2* | 1791.5 | 1845.8 |
| 32.5° | 2713.9 | 2523.8 | 2318.3 | 2112.9 | 1984.7 | 1856.8 | 1805.0 | 1753.5 | *1726.5* | 1753.5 | 1805.0 |
| 35° | 2805.9 | 2565.2 | 2337.3 | 2109.8 | 1990.8 | 1872.1 | 1834.1 | 1796.4 | *1781.7* | 1796.4 | 1834.1 |
| 37.5° | 2946.4 | 2664.8 | 2430.2 | 2195.7 | 2114.7 | 2033.7 | 2033.7 | 2033.7 | *2045.4* | 2033.7 | 2033.7 |
| 40° | 3178.5 | 2862.6 | 2640.6 | 2418.9 | 2414.0 | 2409.7 | 2461.2 | 2513.0 | *2536.0* | 2513.0 | 2461.2 |
| 42.5° | 3534.5 | 3200.9 | 3021.8 | 2842.7 | 2950.0 | 3057.4 | 3206.4 | 3355.4 | *3452.9* | 3355.4 | 3206.4 |
| 45° | 4008.0 | 3682.9 | 3557.8 | 3433.0 | 3671.9 | 3910.5 | 4173.9 | 4437.3 | *4624.4* | 4437.3 | 4173.9 |
| 47.5° | 4504.2 | 4230.3 | 4158.9 | 4087.7 | 4484.8 | 4882.0 | 5268.0 | 5654.1 | *5881.7* | 5654.1 | 5268.0 |
| 50° | 5046.9 | 4800.7 | 4786.9 | 4773.1 | 5302.1 | 5831.1 | 6329.4 | 6827.7 | *7105.2* | 6827.7 | 6329.4 |
| 52.5° | 5683.6 | 5413.1 | 5424.1 | 5434.6 | 6062.9 | 6691.2 | 7293.8 | 7896.4 | *8209.2* | 7896.4 | 7293.8 |
| 55° | 6404.5 | 6065.7 | 6063.8 | 6062.0 | 6783.8 | 7506.3 | 8246.6 | 8987.5 | *9405.1* | 8987.5 | 8246.6 |
| 57.5° | 7230.9 | 6913.6 | 6838.1 | 6762.4 | 7517.4 | 8272.0 | 9089.6 | 9907.4 | *10346.6* | 9907.4 | 9089.6 |
| 60° | 7977.7 | 7802.9 | 7682.0 | 7561.5 | 8336.8 | 9112.3 | 9956.8 | 10801.0 | *11238.9* | 10801.0 | 9956.8 |
| 62.5° | 8215.0 | 8527.5 | 8518.6 | 8509.7 | 9346.6 | 10183.4 | 11061.7 | 11940.6 | *12333.7* | 11940.6 | 11061.7 |
| 65° | *7557.5* | *8055.9* | *8398.7* | *8741.2* | *9752.9* | *10764.2* | *11679.3* | *12594.4* | *12996.1* | *12594.4* | *11679.3* |
| 67.5° | 6707.2 | 7146.6 | 7427.2 | 7707.8 | 8847.6 | 9987.8 | 11026.1 | 12064.5 | *12477.8* | 12064.5 | 11026.1 |
| 70° | 5997.0 | 6483.3 | 6683.9 | 6884.4 | 7852.8 | 8821.0 | 9642.5 | 10463.7 | *10625.6* | 10463.7 | 9642.5 |
| 72.5° | 5308.5 | 5887.2 | 5972.1 | 6057.1 | 6761.8 | 7466.5 | 7904.1 | 8341.7 | *7988.4* | 8341.7 | 7904.1 |
| 75° | 4525.6 | 5177.9 | 5234.6 | 5291.3 | 5510.9 | 5730.8 | 5842.1 | 5953.7 | *5752.9* | 5953.7 | 5842.1 |
| 77.5° | 3140.8 | 3705.9 | 3833.2 | 3960.5 | 4106.7 | 4253.3 | 4245.7 | 4238.0 | *3955.9* | 4238.0 | 4245.7 |
| 80° | 1953.7 | 2395.6 | 2412.2 | 2428.7 | 2538.5 | 2648.0 | 2759.9 | 2871.8 | *2692.4* | 2871.8 | 2759.9 |
| 82.5° | 998.5 | 1241.3 | 1278.8 | 1316.2 | 1383.3 | 1450.5 | 1481.8 | 1513.3 | *1361.6* | 1513.3 | 1481.8 |
| 85° | 234.9 | 298.1 | 359.1 | 420.1 | 490.6 | 561.2 | 553.2 | 545.2 | *460.0* | 545.2 | 553.2 |
| 87.5° | 14.1 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 | 16.9 | 17.8 | *18.4* | 17.8 | 16.9 |
| 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: P1364389
CATALOG NUMBER: GSS-SB2C-850-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 | 1999.4 |
| 2.5° | 2202.4 | 2197.5 | 2192.6 | 2184.0 | 2175.7 | 2168.1 | 2160.4 |
| 5° | 2458.8 | 2441.0 | 2423.2 | 2399.9 | 2376.6 | 2342.2 | 2307.6 |
| 7.5° | 2655.0 | 2632.3 | 2609.6 | 2574.1 | 2538.5 | 2497.4 | 2456.3 |
| 10° | 2757.5 | 2736.6 | 2715.4 | 2680.8 | 2646.4 | 2598.0 | 2549.8 |
| 12.5° | 2769.7 | 2756.5 | 2743.0 | 2716.7 | 2690.0 | 2643.7 | 2597.4 |
| 15° | 2683.9 | 2690.6 | 2697.0 | 2686.0 | 2674.7 | 2647.7 | 2620.4 |
| 17.5° | 2531.4 | 2568.2 | 2605.0 | 2625.3 | 2645.8 | 2636.0 | 2626.5 |
| 20° | 2368.9 | 2437.9 | 2506.9 | 2561.2 | 2615.8 | 2631.1 | 2646.4 |
| 22.5° | 2209.5 | 2303.6 | 2398.1 | 2489.7 | 2581.4 | 2624.7 | 2667.9 |
| 25° | 2083.7 | 2194.4 | 2305.4 | 2429.0 | 2552.9 | 2627.4 | 2701.6 |
| 27.5° | 1976.4 | 2096.9 | 2217.1 | 2370.5 | 2523.8 | 2637.2 | 2750.7 |
| 30° | 1899.7 | 2025.5 | 2151.2 | 2334.9 | 2518.3 | 2669.1 | 2819.7 |
| 32.5° | 1856.8 | 1984.7 | 2112.9 | 2318.3 | 2523.8 | 2713.9 | 2904.0 |
| 35° | 1872.1 | 1990.8 | 2109.8 | 2337.3 | 2565.2 | 2805.9 | 3046.6 |
| 37.5° | 2033.7 | 2114.7 | 2195.7 | 2430.2 | 2664.8 | 2946.4 | 3227.6 |
| 40° | 2409.7 | 2414.0 | 2418.9 | 2640.6 | 2862.6 | 3178.5 | 3494.3 |
| 42.5° | 3057.4 | 2950.0 | 2842.7 | 3021.8 | 3200.9 | 3534.5 | 3868.5 |
| 45° | 3910.5 | 3671.9 | 3433.0 | 3557.8 | 3682.9 | 4008.0 | 4333.0 |
| 47.5° | 4882.0 | 4484.8 | 4087.7 | 4158.9 | 4230.3 | 4504.2 | 4777.7 |
| 50° | 5831.1 | 5302.1 | 4773.1 | 4786.9 | 4800.7 | 5046.9 | 5292.9 |
| 52.5° | 6691.2 | 6062.9 | 5434.6 | 5424.1 | 5413.1 | 5683.6 | 5953.7 |
| 55° | 7506.3 | 6783.8 | 6062.0 | 6063.8 | 6065.7 | 6404.5 | 6743.4 |
| 57.5° | 8272.0 | 7517.4 | 6762.4 | 6838.1 | 6913.6 | 7230.9 | 7548.3 |
| 60° | 9112.3 | 8336.8 | 7561.5 | 7682.0 | 7802.9 | 7977.7 | 8152.5 |
| 62.5° | 10183.4 | 9346.6 | 8509.7 | 8518.6 | 8527.5 | 8215.0 | 7902.5 |
| 65° | *10764.2* | *9752.9* | *8741.2* | *8398.7* | *8055.9* | *7557.5* | *7059.2* |
| 67.5° | 9987.8 | 8847.6 | 7707.8 | 7427.2 | 7146.6 | 6707.2 | 6268.0 |
| 70° | 8821.0 | 7852.8 | 6884.4 | 6683.9 | 6483.3 | 5997.0 | 5510.6 |
| 72.5° | 7466.5 | 6761.8 | 6057.1 | 5972.1 | 5887.2 | 5308.5 | 4730.2 |
| 75° | 5730.8 | 5510.9 | 5291.3 | 5234.6 | 5177.9 | 4525.6 | 3873.1 |
| 77.5° | 4253.3 | 4106.7 | 3960.5 | 3833.2 | 3705.9 | 3140.8 | 2575.9 |
| 80° | 2648.0 | 2538.5 | 2428.7 | 2412.2 | 2395.6 | 1953.7 | 1511.8 |
| 82.5° | 1450.5 | 1383.3 | 1316.2 | 1278.8 | 1241.3 | 998.5 | 755.9 |
| 85° | 561.2 | 490.6 | 420.1 | 359.1 | 298.1 | 234.9 | 171.7 |
| 87.5° | 15.9 | 15.6 | 15.3 | 15.0 | 14.7 | 14.1 | 13.8 |
| 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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

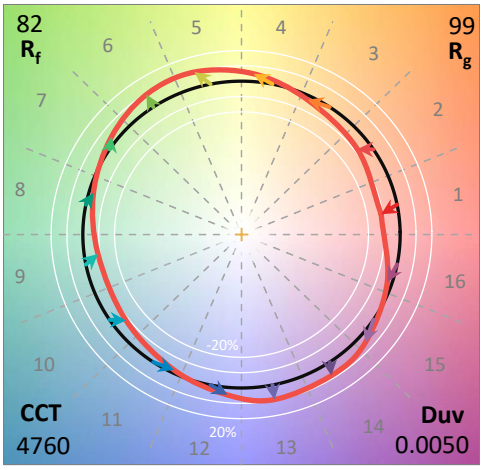
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-12 |
| 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-850-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 4760 |
| CIE u': | 0.2107 |
| CIE v': | 0.4939 |
| Duv: | 0.0050 |
| CIE x: | 0.3537 |
| CIE y: | 0.3685 |
| CIE z: | 0.2779 |
| Peak Wavelength (nm): | 443 |
| Dominant Wavelength (nm): | 571 |
| Purity: | 16.69598 |
| Rf: | 82 |
| Rg: | 99.4 |

| | |
|---|---|
| CRI (Ra): | 81.1 |
| R1: | 79.8 |
| R2: | 83.5 |
| R3: | 87.9 |
| R4: | 83.1 |
| R5: | 80.5 |
| R6: | 79.1 |
| R7: | 86.1 |
| R8: | 69.0 |
| R9: | 8.7 |
| R10: | 62.4 |
| R11: | 83.8 |
| R12: | 63.0 |
| R13: | 79.9 |
| R14: | 93.3 |
| R15: | 72.7 |




## Test Conditions

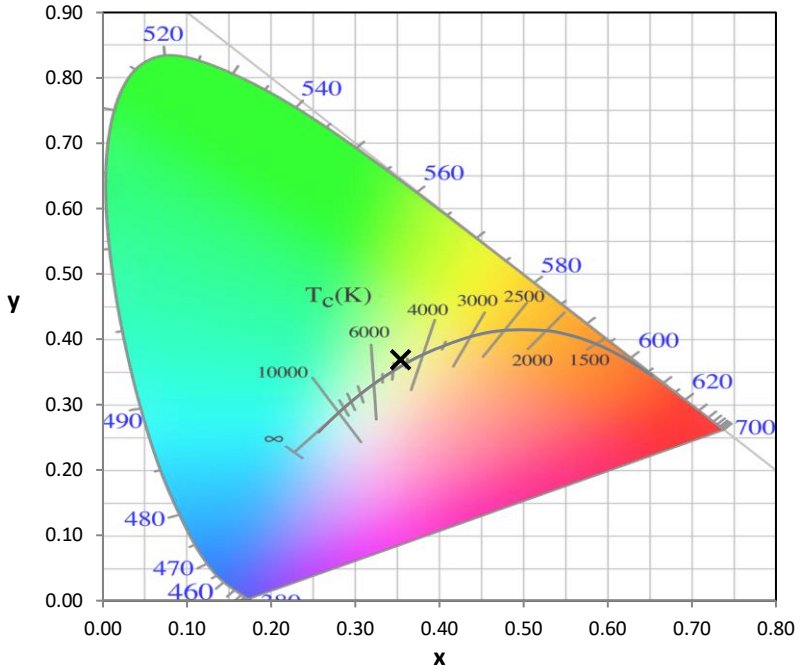
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-12

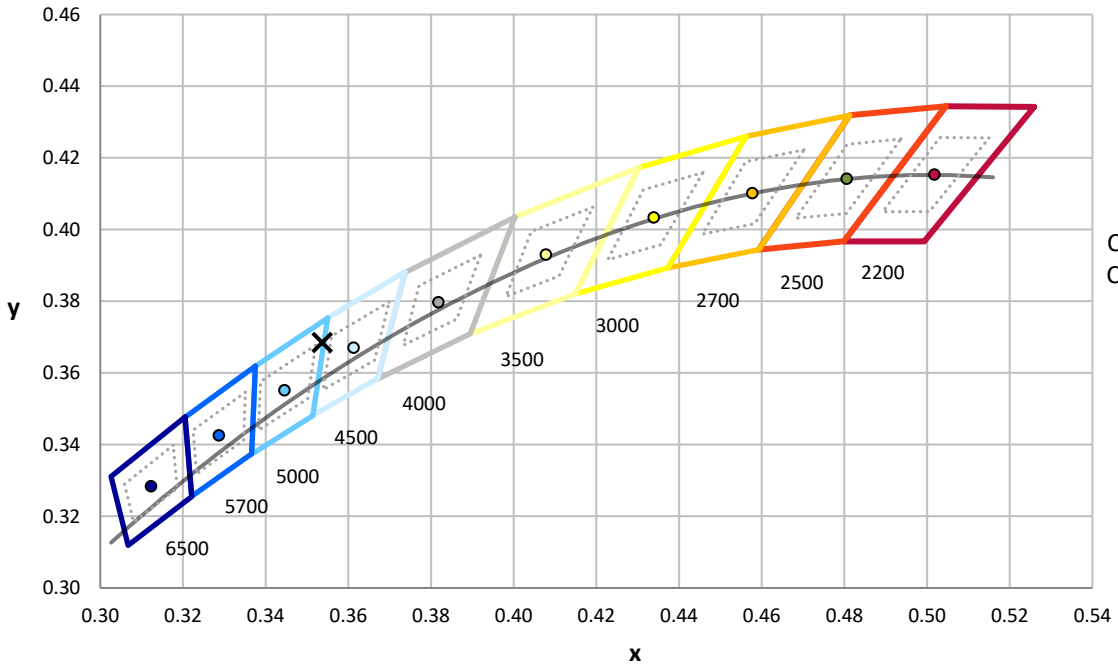
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-12

## CIE 1931 Chromaticity Diagram




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

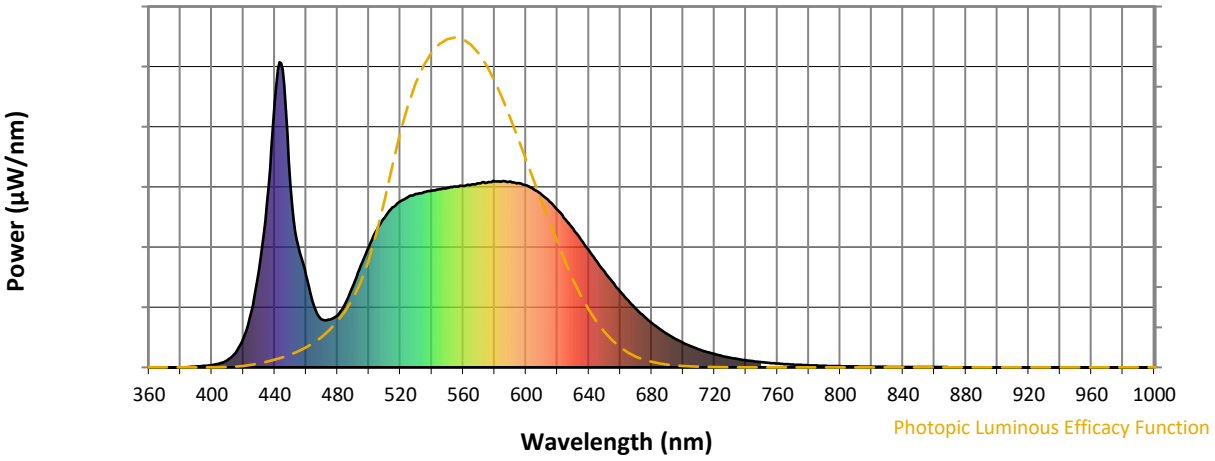



CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

## Photopic Flux vs. Wavelength

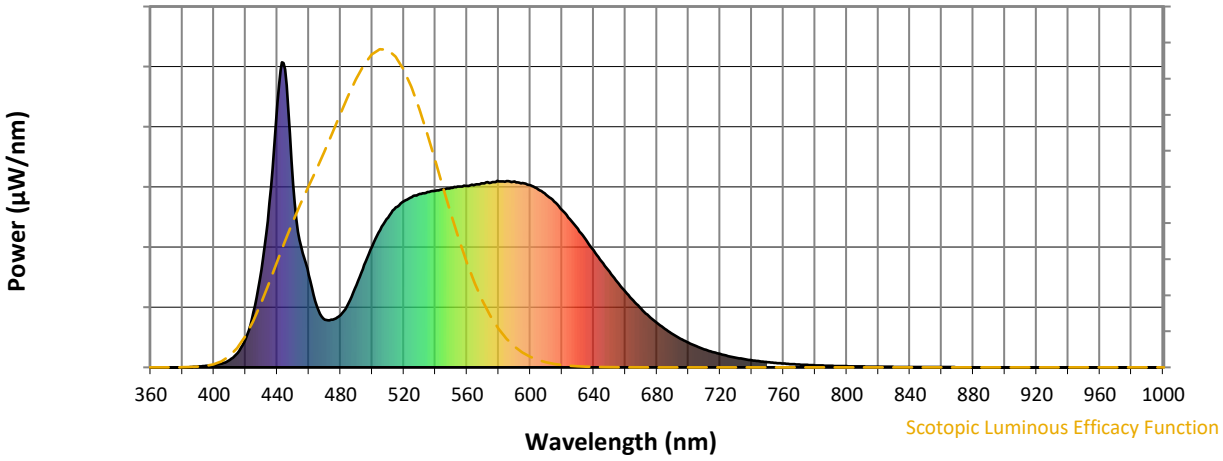



## Photopic Lumens: NR

| 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 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Scotopic Flux vs. Wavelength

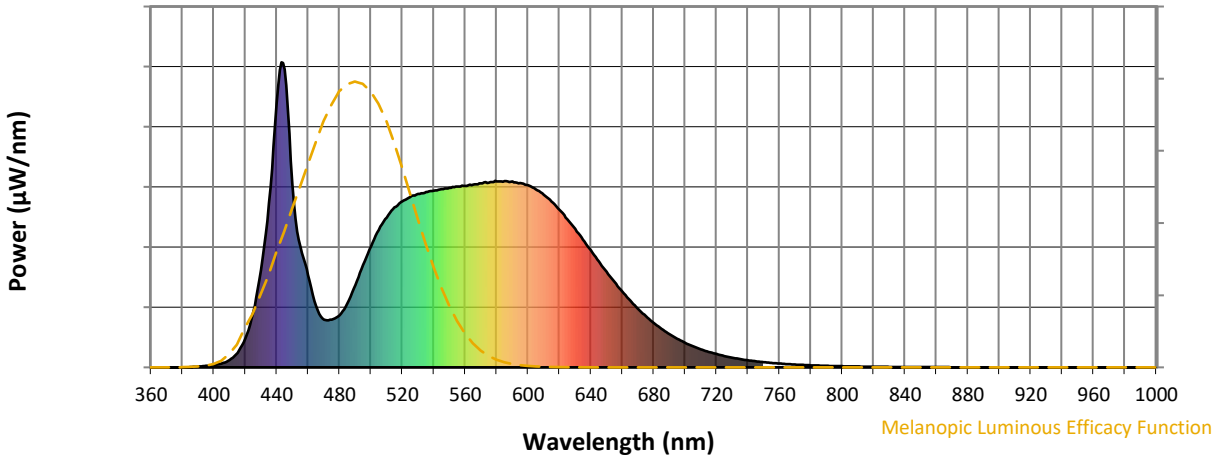



**Scotopic Lumens: NR** **S/P: 1.83**

| 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 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.74**

| 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 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

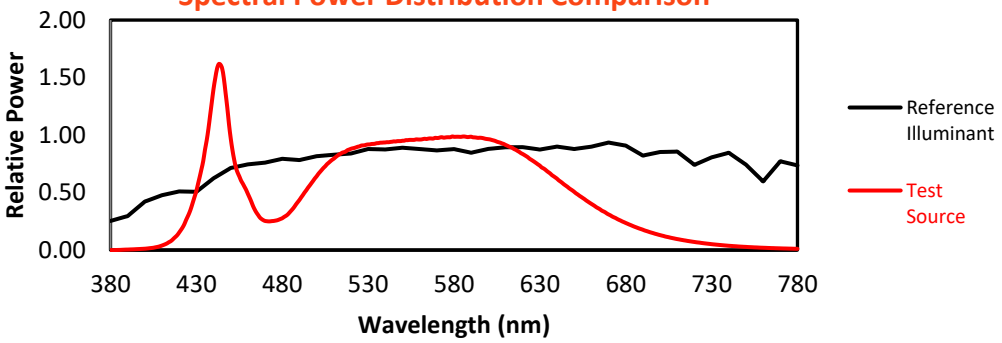
REPORT NUMBER: SP1-2407-184-12

# TM-30-18

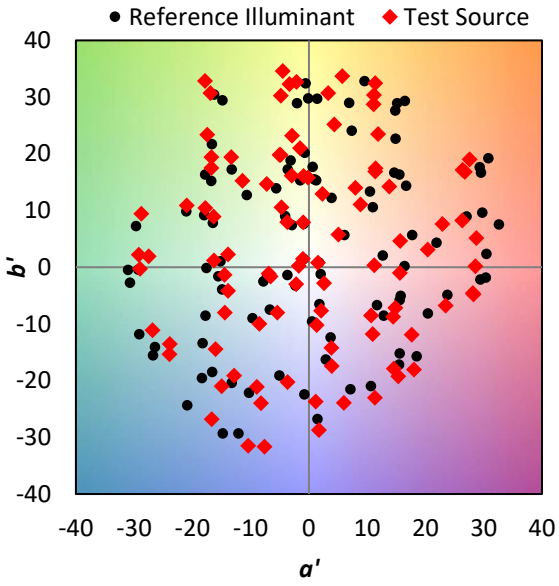
## Summary

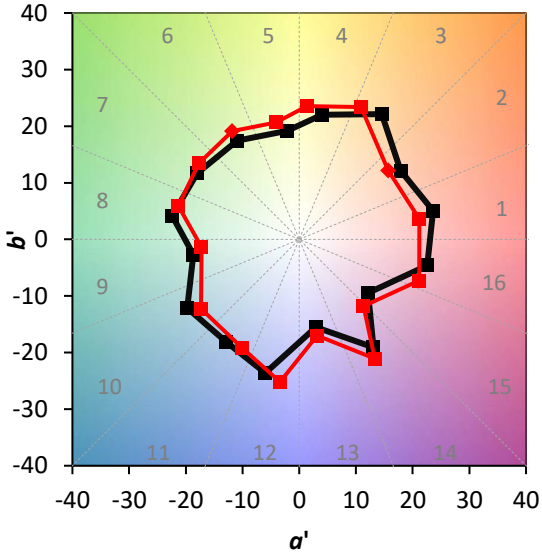
$R_f$ = 82
$R_g$ = 99.4
CIE $R_a$ = 81.1
$R_9$ = 8.7

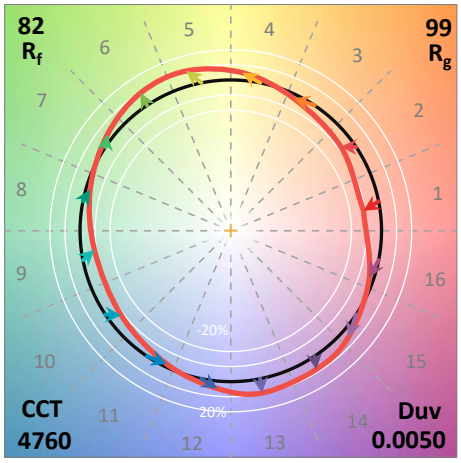
## Spectral Power Distribution Comparison

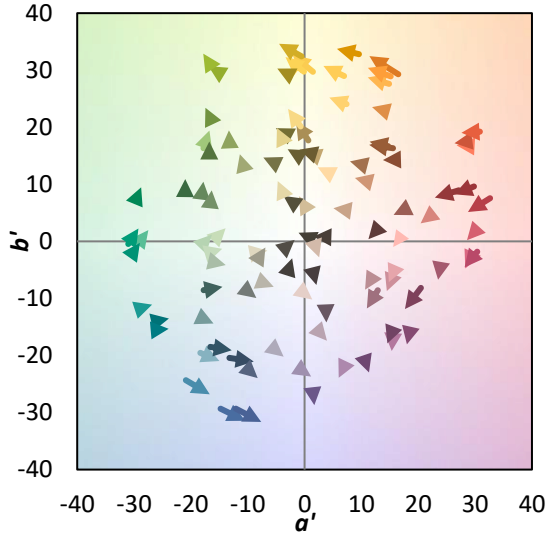



## Color Vector Graphics



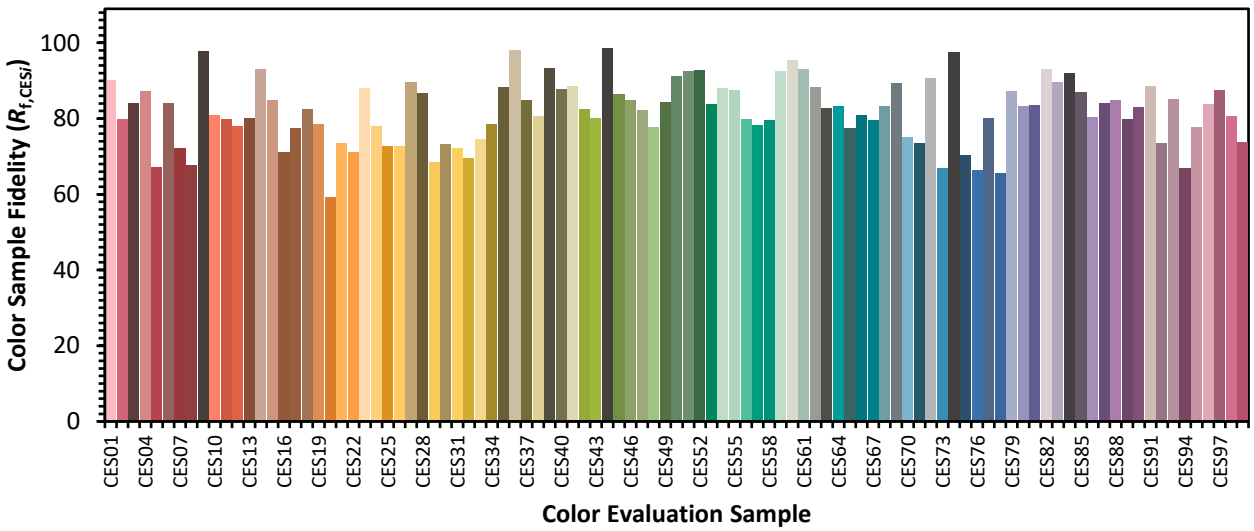



REPORT NUMBER: SP1-2407-184-12

# TM-30-18

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

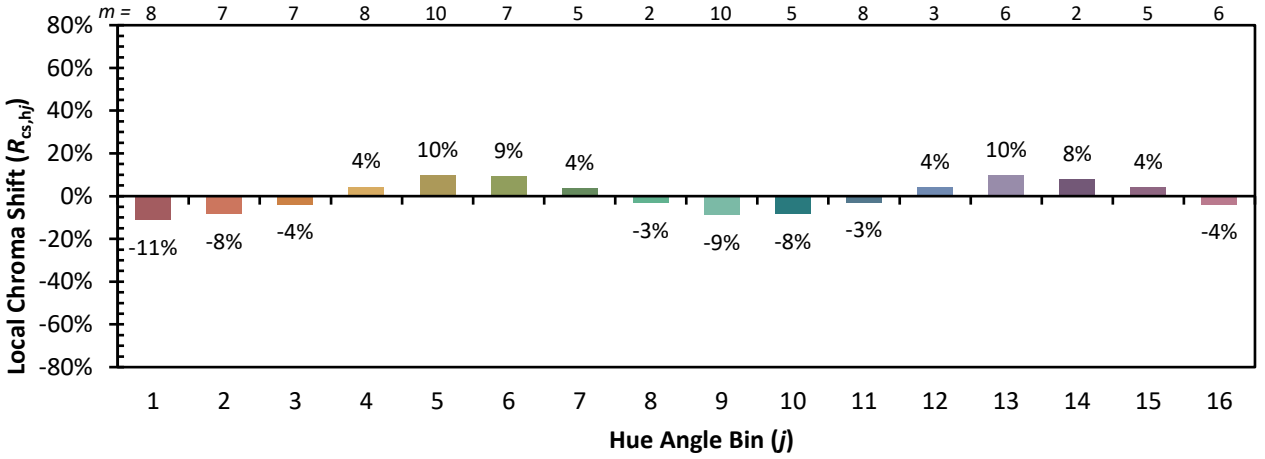
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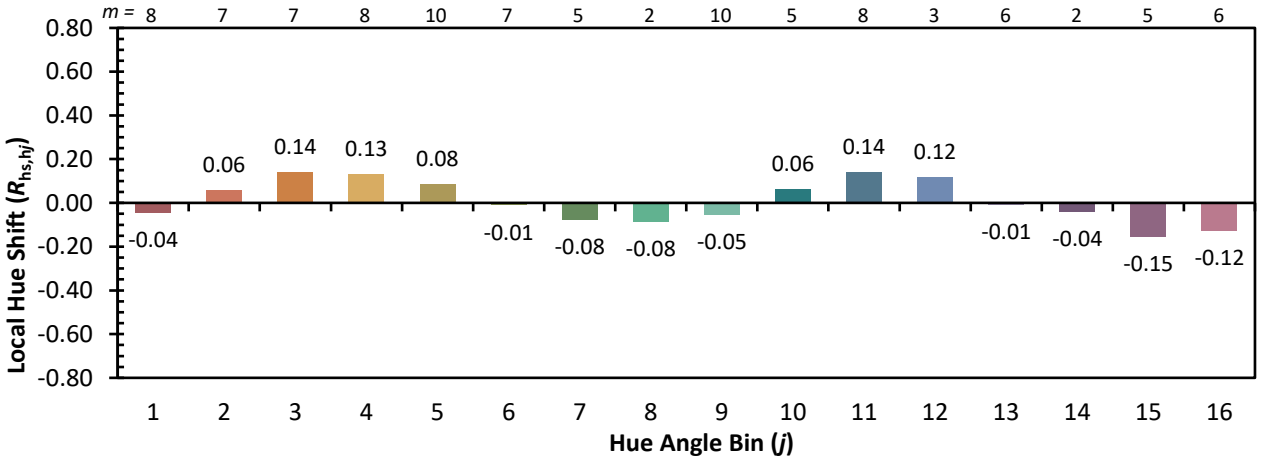


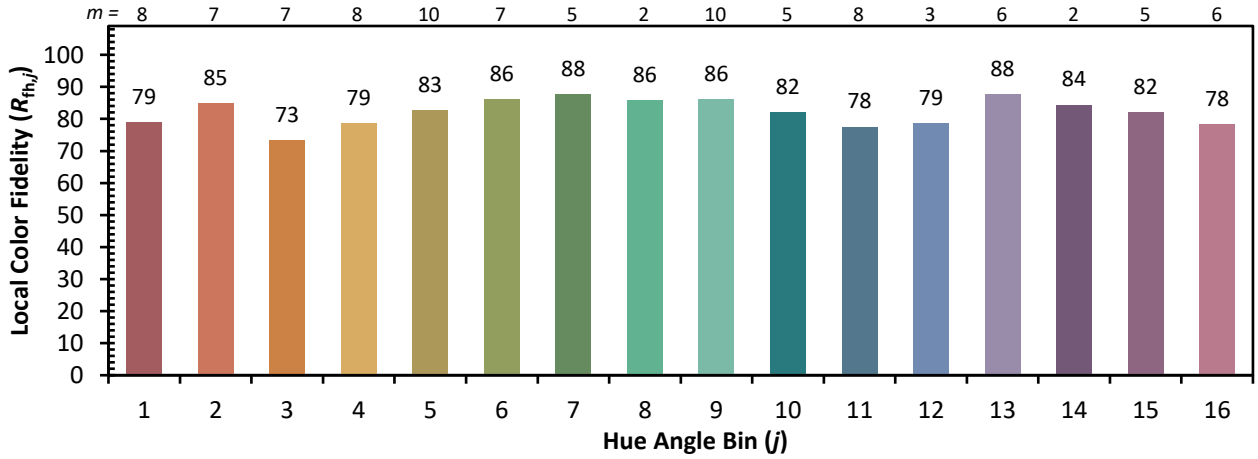
REPORT NUMBER: SP1-2407-184-12

**TM-30-18**

## Color Rendition by Hue-Angle Bin



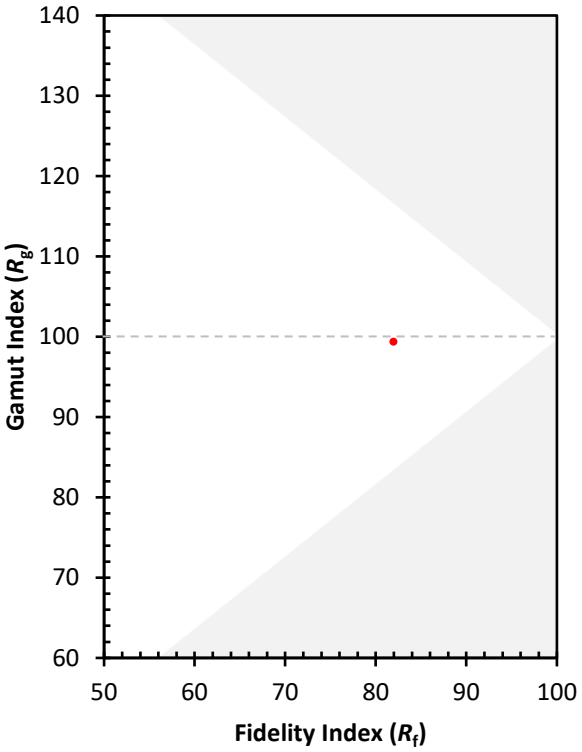



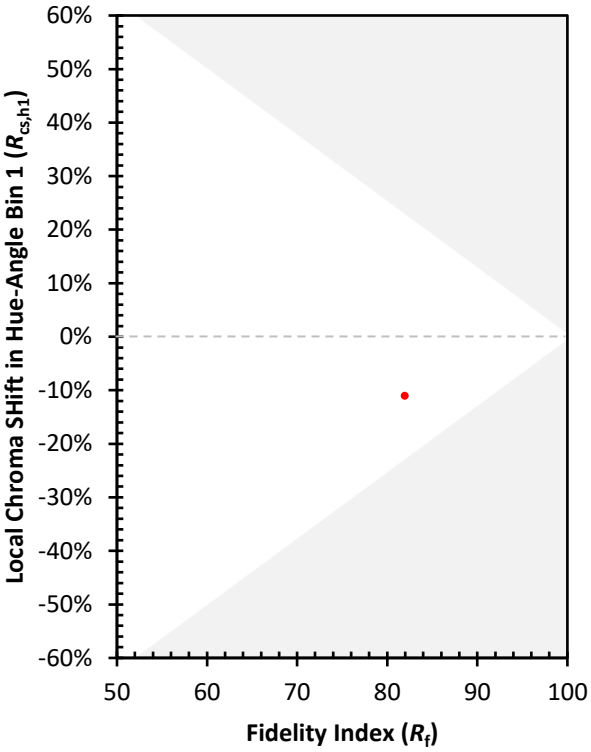



REPORT NUMBER: SP1-2407-184-12

# TM-30-18

## Measure Comparisons




(END OF REPORT)