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: P1364176

Luminaire Tested: **GSS-SB3B-727-U-SLR**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364176 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3B-727-U-SLR |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC |
| Light Source: | (78) 2700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 13896.1 lumens |
| Efficiency: | N/A |
| Efficacy: | 127.5 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B2 - U0 - G3 |

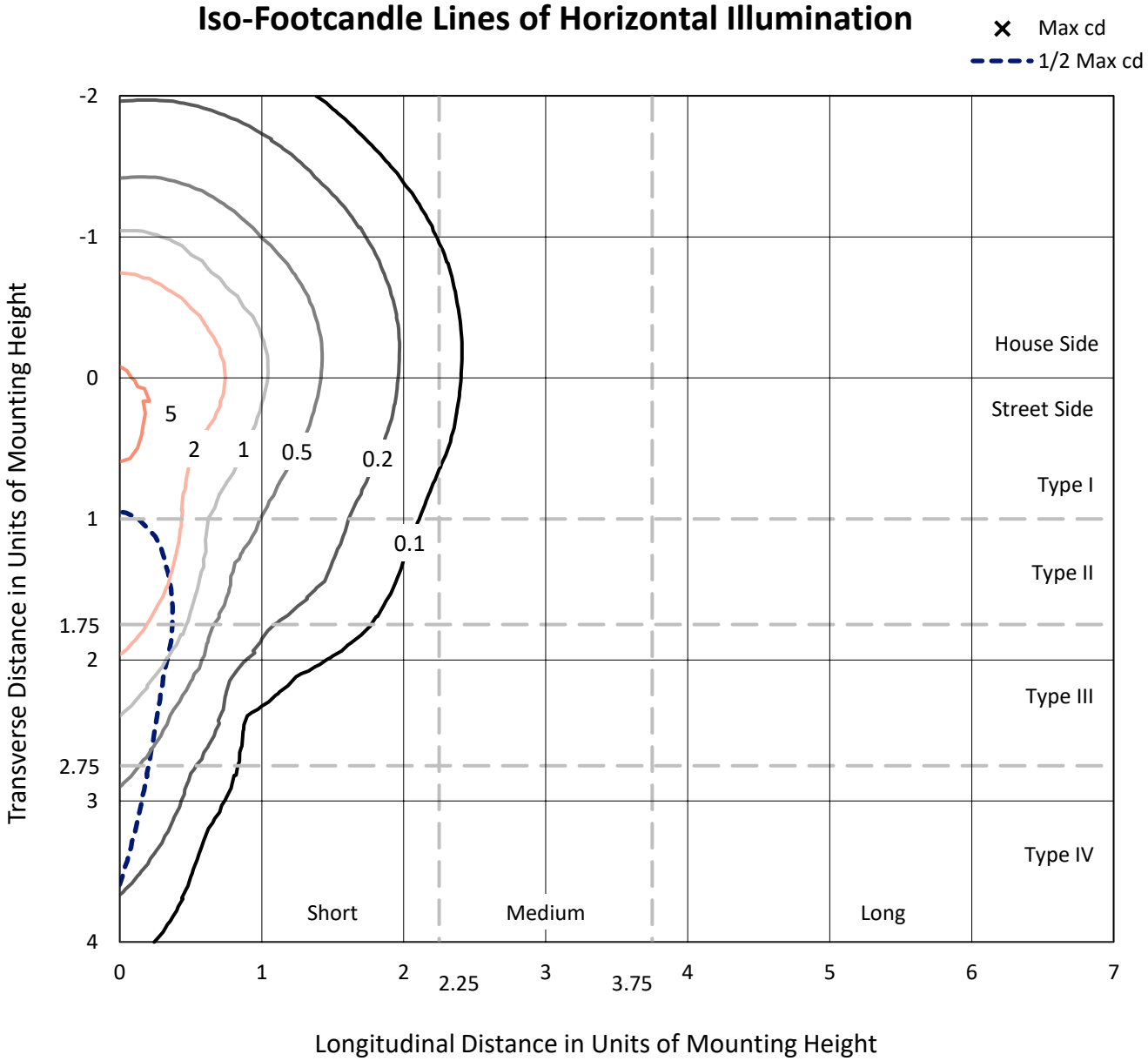
| | |
|---|---|
| Input Watts (W): | 109 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 8.7% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



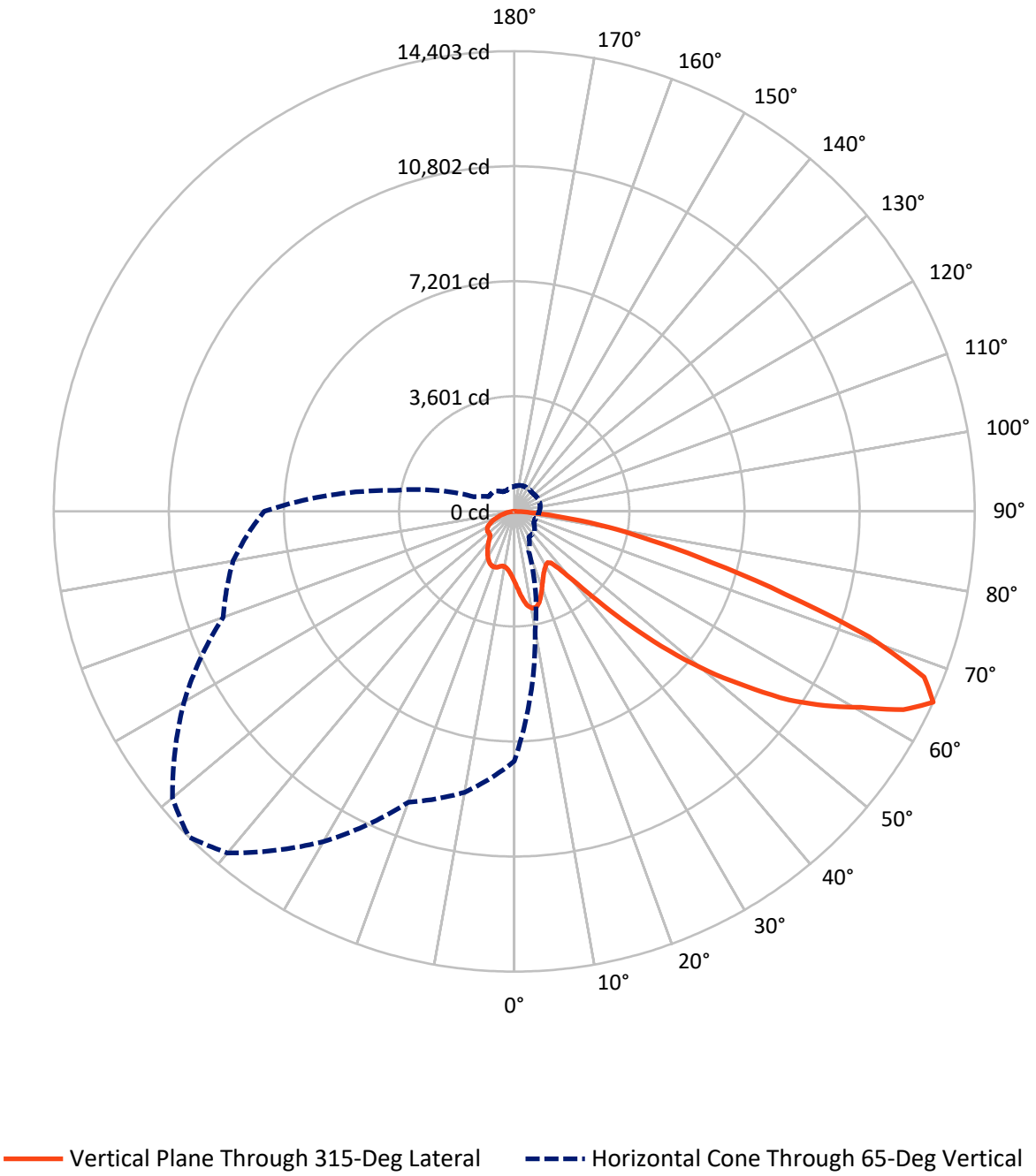

Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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Scaled Data Report

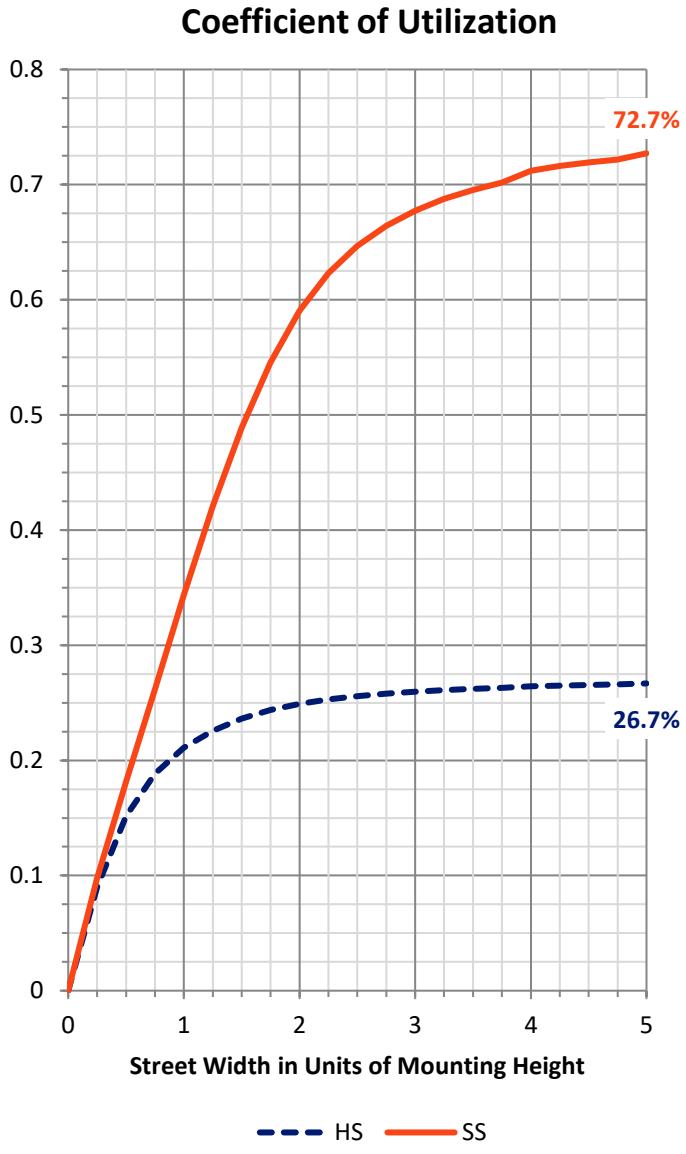
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 3738.4 | 0.0 | 3738.4 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 10157.8 | 0.0 | 10157.8 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 13896.1 | 0.0 | 13896.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 218.8 | 1.6 |
| 10°-20° | 670.5 | 4.8 |
| 20°-30° | 1037.7 | 7.5 |
| 30°-40° | 1287.4 | 9.3 |
| 40°-50° | 1882.6 | 13.5 |
| 50°-60° | 2948.9 | 21.2 |
| 60°-70° | 3499.0 | 25.2 |
| 70°-80° | 2040.8 | 14.7 |
| 80°-90° | 310.5 | 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° | 13896.1 | 100.0 |
| 0°-180° | 13896.1 | 100.0 |



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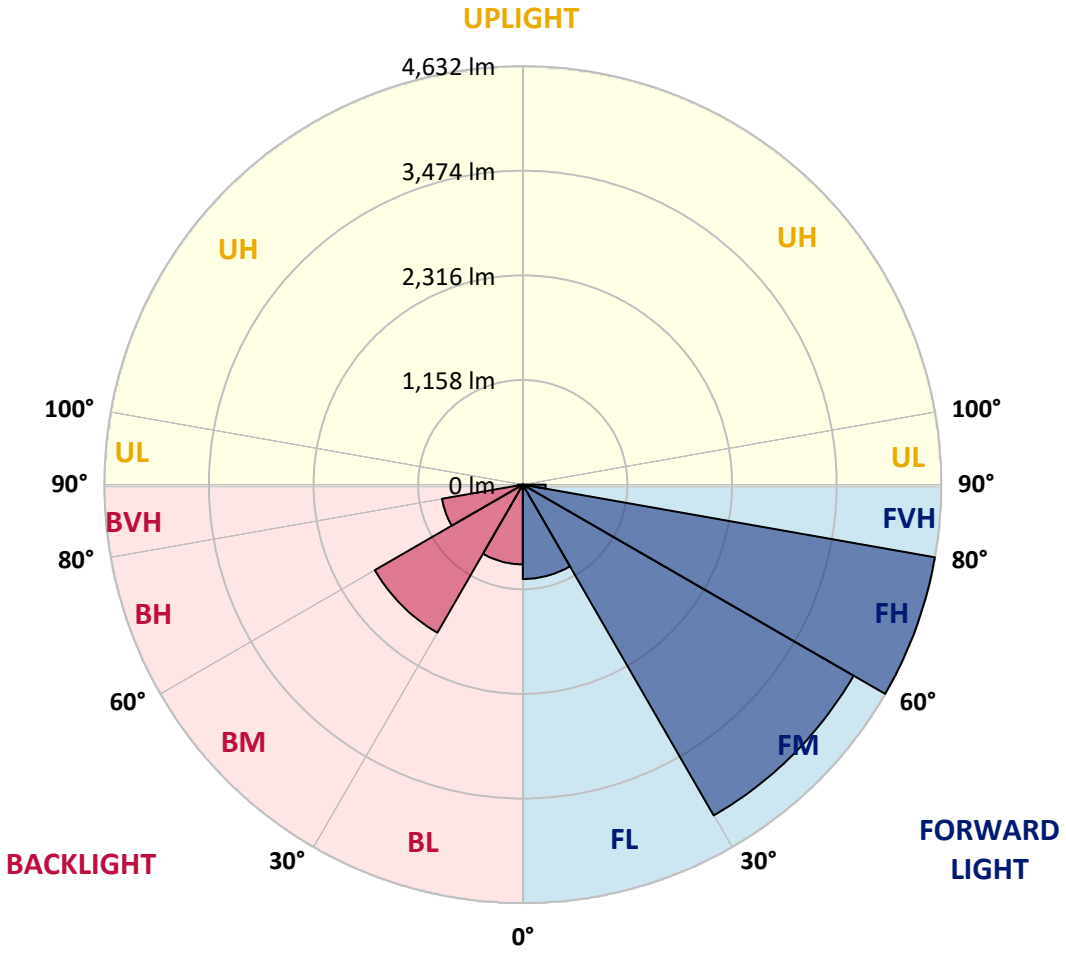
Scaled Data Report

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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1044.4 | 7.5 | | | |
| FM | (30°-60°) | 4227.5 | 30.4 | | | |
| FH | (60°-80°) | 4631.9 | 33.3 | | | G2/5000 |
| FVH | (80°-90°) | 253.9 | 1.8 | | | G3/500 |
| BL | (0°-30°) | 882.5 | 6.4 | B2/1000 | | |
| BM | (30°-60°) | 1891.4 | 13.6 | B2/2500 | | |
| BH | (60°-80°) | 907.9 | 6.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 56.5 | 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° | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 |
| 2.5° | 2394.2 | 2372.4 | 2351.0 | 2331.3 | 2311.6 | 2291.9 | 2271.8 | 2252.8 | 2233.4 | 2214.1 | 2197.1 |
| 5° | 2557.3 | 2518.9 | 2480.8 | 2440.7 | 2401.0 | 2361.9 | 2322.8 | 2285.8 | 2249.1 | 2210.7 | 2177.7 |
| 7.5° | 2722.1 | 2657.6 | 2593.0 | 2532.2 | 2471.3 | 2417.0 | 2362.6 | 2314.0 | 2265.0 | 2214.1 | 2174.3 |
| 10° | 2825.8 | 2748.6 | 2671.2 | 2595.7 | 2519.9 | 2453.0 | 2385.7 | 2329.6 | 2273.5 | 2219.2 | 2176.7 |
| 12.5° | 2878.5 | 2801.7 | 2724.8 | 2640.2 | 2555.6 | 2480.5 | 2405.4 | 2343.5 | 2282.0 | 2222.6 | 2181.1 |
| 15° | 2903.9 | 2826.1 | 2748.6 | 2662.7 | 2576.7 | 2495.8 | 2414.6 | 2344.9 | 2275.2 | 2209.0 | 2172.3 |
| 17.5° | 2910.7 | 2838.0 | 2765.6 | 2673.9 | 2582.1 | 2489.7 | 2397.6 | 2316.4 | 2235.5 | 2158.0 | 2126.7 |
| 20° | 2932.8 | 2859.4 | 2786.0 | 2687.5 | 2588.9 | 2480.5 | 2372.1 | 2265.4 | 2158.7 | 2056.0 | 2036.3 |
| 22.5° | 2956.6 | 2889.3 | 2822.4 | 2714.0 | 2605.9 | 2473.4 | 2340.8 | 2206.9 | 2073.0 | 1950.7 | 1932.0 |
| 25° | 2994.0 | 2935.9 | 2877.8 | 2759.5 | 2641.2 | 2472.7 | 2304.1 | 2137.3 | 1970.4 | 1830.0 | 1828.3 |
| 27.5° | 3048.4 | 3003.9 | 2959.3 | 2826.1 | 2693.2 | 2479.1 | 2265.0 | 2065.9 | 1866.4 | 1723.0 | 1731.5 |
| 30° | 3124.8 | 3089.8 | 3055.2 | 2905.0 | 2754.4 | 2493.1 | 2232.1 | 2003.7 | 1775.7 | 1636.3 | 1645.5 |
| 32.5° | 3218.3 | 3196.5 | 3174.8 | 2997.7 | 2820.7 | 2508.7 | 2197.1 | 1949.3 | 1701.9 | 1573.5 | 1573.5 |
| 35° | 3376.3 | 3349.1 | 3321.9 | 3096.3 | 2871.0 | 2505.0 | 2139.3 | 1887.5 | 1635.3 | 1536.1 | 1515.0 |
| 37.5° | 3576.8 | 3544.5 | 3512.3 | 3216.6 | 2920.9 | 2494.4 | 2067.9 | 1818.8 | 1570.1 | 1491.9 | 1451.8 |
| 40° | 3872.5 | 3808.9 | 3745.1 | 3354.2 | 2963.4 | 2470.6 | 1977.9 | 1736.9 | 1496.0 | 1434.1 | 1383.8 |
| 42.5° | 4287.1 | 4152.5 | 4017.6 | 3506.5 | 2994.7 | 2429.5 | 1864.0 | 1639.4 | 1414.4 | 1371.3 | 1309.1 |
| 45° | 4802.0 | 4586.2 | 4370.4 | 3713.1 | 3055.9 | 2401.3 | 1746.8 | 1540.2 | 1333.9 | 1294.8 | 1232.9 |
| 47.5° | 5294.7 | 5021.5 | 4748.3 | 3925.5 | 3102.8 | 2368.4 | 1634.0 | 1441.6 | 1249.9 | 1204.7 | 1147.0 |
| 50° | 5865.7 | 5495.2 | 5124.8 | 4110.7 | 3096.6 | 2312.3 | 1527.6 | 1353.9 | 1179.9 | 1118.1 | 1061.0 |
| 52.5° | 6598.0 | 6009.8 | 5421.1 | 4198.4 | 2975.3 | 2197.4 | 1419.9 | 1275.1 | 1131.0 | 1051.8 | 990.6 |
| 55° | 7473.1 | 6526.7 | 5580.2 | 4175.3 | 2770.4 | 2045.2 | 1319.3 | 1209.2 | 1098.4 | 1019.5 | 947.5 |
| 57.5° | 8365.2 | 6960.6 | 5556.4 | 4049.2 | 2542.0 | 1885.8 | 1229.5 | 1153.4 | 1077.3 | 1011.0 | 922.7 |
| 60° | 9034.7 | 7155.0 | 5275.0 | 3747.1 | 2219.2 | 1684.3 | 1149.3 | 1096.0 | 1042.6 | 990.6 | 902.3 |
| 62.5° | 8757.7 | 6723.8 | 4689.8 | 3251.9 | 1814.1 | 1428.7 | 1043.3 | 1013.4 | 983.8 | 961.8 | 877.5 |
| 65° | *7823.1* | *5799.4* | *3775.6* | *2550.8* | *1326.1* | *1122.8* | *919.3* | *912.8* | *906.7* | *900.6* | *830.9* |
| 67.5° | 6946.4 | 4980.7 | 3015.1 | 1985.0 | 955.0 | 858.4 | 761.9 | 779.9 | 797.9 | 807.1 | 759.5 |
| 70° | 6106.9 | 4231.4 | 2355.8 | 1521.1 | 686.5 | 652.5 | 618.5 | 645.4 | 672.2 | 669.5 | 646.4 |
| 72.5° | 5242.1 | 3513.6 | 1784.8 | 1143.6 | 502.3 | 501.6 | 501.3 | 521.7 | 542.0 | 514.9 | 529.5 |
| 75° | 4292.2 | 2805.4 | 1318.6 | 847.6 | 376.5 | 374.2 | 372.1 | 396.3 | 420.7 | 431.6 | 441.1 |
| 77.5° | 2854.7 | 1840.6 | 826.5 | 547.8 | 269.2 | 271.2 | 272.6 | 299.1 | 325.6 | 356.8 | 358.5 |
| 80° | 1675.4 | 1055.2 | 435.0 | 302.8 | 170.6 | 172.6 | 174.0 | 201.9 | 229.4 | 273.6 | 271.9 |
| 82.5° | 837.7 | 528.8 | 220.2 | 162.8 | 105.4 | 105.7 | 106.0 | 119.6 | 133.2 | 158.0 | 164.8 |
| 85° | 190.3 | 125.7 | 61.2 | 51.7 | 42.5 | 44.5 | 46.9 | 55.7 | 64.6 | 78.2 | 82.2 |
| 87.5° | 15.3 | 15.0 | 14.3 | 13.9 | 13.6 | 14.3 | 15.3 | 17.0 | 18.7 | 20.4 | 23.8 |
| 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° | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 |
| 2.5° | 2178.7 | 2160.7 | 2146.4 | 2132.5 | 2120.3 | 2107.7 | 2093.1 | 2078.1 | 2067.6 | 2056.7 | 2049.6 |
| 5° | 2145.1 | 2113.1 | 2086.6 | 2060.1 | 2038.4 | 2015.9 | 1996.2 | 1976.2 | 1960.5 | 1944.6 | 1931.7 |
| 7.5° | 2134.5 | 2095.1 | 2060.8 | 2026.1 | 1996.9 | 1967.7 | 1943.2 | 1918.4 | 1895.0 | 1871.8 | 1856.9 |
| 10° | 2134.9 | 2093.4 | 2058.1 | 2022.7 | 1991.8 | 1960.9 | 1928.6 | 1896.3 | 1870.5 | 1844.7 | 1822.2 |
| 12.5° | 2146.4 | 2112.1 | 2087.3 | 2062.8 | 2034.3 | 2005.7 | 1967.3 | 1928.6 | 1893.6 | 1858.9 | 1831.4 |
| 15° | 2149.8 | 2127.4 | 2125.4 | 2123.3 | 2113.5 | 2103.6 | 2067.9 | 2032.3 | 1984.0 | 1935.4 | 1896.0 |
| 17.5° | 2123.7 | 2120.6 | 2154.3 | 2187.9 | 2207.3 | 2226.6 | 2201.8 | 2176.7 | 2108.7 | 2040.7 | 1982.0 |
| 20° | 2055.7 | 2074.7 | 2140.7 | 2206.2 | 2258.6 | 2310.9 | 2308.2 | 2305.8 | 2217.1 | 2128.1 | 2050.9 |
| 22.5° | 1960.5 | 1988.8 | 2074.7 | 2160.7 | 2236.2 | 2311.6 | 2331.0 | 2350.0 | 2263.0 | 2175.7 | 2080.5 |
| 25° | 1859.3 | 1890.2 | 1969.7 | 2049.2 | 2130.5 | 2211.7 | 2247.7 | 2283.7 | 2212.0 | 2140.3 | 2047.9 |
| 27.5° | 1761.1 | 1791.0 | 1850.1 | 1909.2 | 1974.5 | 2039.7 | 2080.2 | 2120.6 | 2076.8 | 2032.9 | 1958.2 |
| 30° | 1668.6 | 1691.7 | 1734.5 | 1777.4 | 1821.5 | 1865.7 | 1898.0 | 1930.3 | 1901.4 | 1872.5 | 1818.8 |
| 32.5° | 1583.3 | 1593.2 | 1621.0 | 1648.9 | 1681.9 | 1714.5 | 1732.5 | 1750.2 | 1727.8 | 1705.3 | 1670.0 |
| 35° | 1506.9 | 1498.7 | 1517.1 | 1535.4 | 1561.9 | 1588.8 | 1602.4 | 1615.9 | 1597.3 | 1578.6 | 1547.0 |
| 37.5° | 1430.1 | 1407.6 | 1416.5 | 1424.6 | 1447.4 | 1469.8 | 1489.2 | 1508.9 | 1495.3 | 1481.7 | 1454.9 |
| 40° | 1351.2 | 1318.6 | 1317.9 | 1316.9 | 1338.6 | 1360.0 | 1384.5 | 1408.6 | 1406.3 | 1403.5 | 1378.1 |
| 42.5° | 1267.6 | 1226.1 | 1221.7 | 1217.3 | 1238.7 | 1260.1 | 1286.0 | 1311.8 | 1316.9 | 1322.0 | 1300.9 |
| 45° | 1190.1 | 1148.0 | 1141.2 | 1134.4 | 1152.7 | 1171.8 | 1200.0 | 1228.5 | 1240.4 | 1252.3 | 1233.3 |
| 47.5° | 1110.6 | 1073.9 | 1069.8 | 1065.4 | 1084.8 | 1104.5 | 1135.7 | 1167.4 | 1179.9 | 1192.8 | 1179.9 |
| 50° | 1031.1 | 1000.8 | 1005.9 | 1011.0 | 1032.4 | 1053.5 | 1078.0 | 1102.8 | 1126.2 | 1149.3 | 1147.0 |
| 52.5° | 968.2 | 945.4 | 961.4 | 977.0 | 996.4 | 1016.1 | 1041.6 | 1067.1 | 1091.6 | 1116.4 | 1120.1 |
| 55° | 922.3 | 897.2 | 919.6 | 942.0 | 965.5 | 988.9 | 1012.7 | 1036.5 | 1059.6 | 1082.4 | 1087.5 |
| 57.5° | 887.3 | 852.3 | 874.8 | 897.2 | 922.7 | 948.2 | 971.9 | 995.7 | 1022.6 | 1049.4 | 1053.5 |
| 60° | 858.1 | 813.9 | 828.9 | 843.5 | 869.7 | 895.5 | 920.3 | 944.8 | 971.9 | 999.1 | 1004.6 |
| 62.5° | 819.7 | 761.9 | 764.0 | 765.3 | 794.9 | 824.1 | 844.5 | 864.9 | 890.7 | 916.9 | 924.7 |
| 65° | *768.7* | *706.9* | *700.1* | *693.3* | *721.1* | *749.3* | *765.3* | *781.6* | *804.1* | *826.5* | *834.3* |
| 67.5° | 704.8 | 649.8 | 635.8 | 621.9 | 647.7 | 673.6 | 686.8 | 700.1 | 715.4 | 730.7 | 739.5 |
| 70° | 613.8 | 581.1 | 572.3 | 563.5 | 584.5 | 605.6 | 617.2 | 628.7 | 640.9 | 653.2 | 657.9 |
| 72.5° | 522.0 | 514.9 | 508.4 | 502.3 | 518.3 | 534.2 | 544.1 | 553.9 | 565.5 | 577.1 | 579.8 |
| 75° | 437.0 | 433.3 | 428.5 | 424.1 | 436.4 | 448.6 | 456.1 | 463.9 | 475.8 | 487.7 | 492.8 |
| 77.5° | 349.7 | 340.5 | 335.8 | 330.3 | 341.5 | 352.8 | 359.9 | 367.0 | 376.9 | 386.7 | 388.1 |
| 80° | 261.0 | 249.8 | 246.0 | 242.0 | 250.1 | 258.3 | 261.0 | 263.4 | 271.5 | 279.3 | 279.3 |
| 82.5° | 164.8 | 164.8 | 162.4 | 159.7 | 158.0 | 156.3 | 152.9 | 149.5 | 157.7 | 165.8 | 168.6 |
| 85° | 82.9 | 83.3 | 79.5 | 75.4 | 70.7 | 65.2 | 64.2 | 62.9 | 62.5 | 61.9 | 64.2 |
| 87.5° | 25.8 | 27.9 | 29.9 | 31.3 | 33.3 | 34.7 | 33.6 | 32.3 | 30.9 | 29.9 | 27.2 |
| 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° | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 |
| 2.5° | 2042.4 | 2039.0 | 2035.6 | 2032.9 | 2030.6 | 2028.9 | 2030.6 | 2032.9 | 2035.6 | 2039.0 | 2042.4 |
| 5° | 1918.4 | 1913.0 | 1907.2 | 1903.5 | 1899.7 | 1896.3 | 1899.7 | 1903.5 | 1907.2 | 1913.0 | 1918.4 |
| 7.5° | 1841.9 | 1833.1 | 1824.3 | 1817.8 | 1811.4 | 1808.0 | 1811.4 | 1817.8 | 1824.3 | 1833.1 | 1841.9 |
| 10° | 1800.5 | 1787.9 | 1775.7 | 1768.9 | 1762.1 | 1757.0 | 1762.1 | 1768.9 | 1775.7 | 1787.9 | 1800.5 |
| 12.5° | 1803.9 | 1788.2 | 1773.3 | 1763.1 | 1752.9 | 1746.8 | 1752.9 | 1763.1 | 1773.3 | 1788.2 | 1803.9 |
| 15° | 1856.2 | 1834.5 | 1812.0 | 1799.5 | 1786.9 | 1777.4 | 1786.9 | 1799.5 | 1812.0 | 1834.5 | 1856.2 |
| 17.5° | 1923.5 | 1891.6 | 1859.6 | 1848.4 | 1836.8 | 1831.7 | 1836.8 | 1848.4 | 1859.6 | 1891.6 | 1923.5 |
| 20° | 1973.8 | 1931.0 | 1888.8 | 1871.8 | 1854.9 | 1848.7 | 1854.9 | 1871.8 | 1888.8 | 1931.0 | 1973.8 |
| 22.5° | 1985.4 | 1935.1 | 1884.4 | 1868.4 | 1852.1 | 1845.3 | 1852.1 | 1868.4 | 1884.4 | 1935.1 | 1985.4 |
| 25° | 1955.8 | 1902.8 | 1849.4 | 1833.1 | 1816.5 | 1811.4 | 1816.5 | 1833.1 | 1849.4 | 1902.8 | 1955.8 |
| 27.5° | 1883.4 | 1836.5 | 1789.3 | 1771.9 | 1754.3 | 1743.4 | 1754.3 | 1771.9 | 1789.3 | 1836.5 | 1883.4 |
| 30° | 1765.5 | 1730.5 | 1695.8 | 1684.9 | 1673.7 | 1668.6 | 1673.7 | 1684.9 | 1695.8 | 1730.5 | 1765.5 |
| 32.5° | 1634.6 | 1612.9 | 1591.1 | 1584.0 | 1576.9 | 1573.5 | 1576.9 | 1584.0 | 1591.1 | 1612.9 | 1634.6 |
| 35° | 1515.7 | 1500.1 | 1484.4 | 1478.6 | 1473.2 | 1468.1 | 1473.2 | 1478.6 | 1484.4 | 1500.1 | 1515.7 |
| 37.5° | 1428.0 | 1409.7 | 1390.6 | 1380.4 | 1370.2 | 1362.8 | 1370.2 | 1380.4 | 1390.6 | 1409.7 | 1428.0 |
| 40° | 1352.6 | 1326.1 | 1299.9 | 1286.0 | 1271.7 | 1264.2 | 1271.7 | 1286.0 | 1299.9 | 1326.1 | 1352.6 |
| 42.5° | 1279.5 | 1248.9 | 1218.3 | 1196.9 | 1175.9 | 1162.3 | 1175.9 | 1196.9 | 1218.3 | 1248.9 | 1279.5 |
| 45° | 1213.9 | 1179.6 | 1145.3 | 1119.8 | 1094.3 | 1077.3 | 1094.3 | 1119.8 | 1145.3 | 1179.6 | 1213.9 |
| 47.5° | 1167.4 | 1137.8 | 1107.9 | 1085.5 | 1063.0 | 1046.7 | 1063.0 | 1085.5 | 1107.9 | 1137.8 | 1167.4 |
| 50° | 1144.6 | 1121.1 | 1097.7 | 1076.6 | 1055.2 | 1039.9 | 1055.2 | 1076.6 | 1097.7 | 1121.1 | 1144.6 |
| 52.5° | 1124.2 | 1107.2 | 1090.2 | 1071.9 | 1053.5 | 1039.9 | 1053.5 | 1071.9 | 1090.2 | 1107.2 | 1124.2 |
| 55° | 1092.6 | 1080.4 | 1067.8 | 1054.2 | 1040.6 | 1029.7 | 1040.6 | 1054.2 | 1067.8 | 1080.4 | 1092.6 |
| 57.5° | 1057.6 | 1044.7 | 1031.4 | 1021.2 | 1011.0 | 1005.9 | 1011.0 | 1021.2 | 1031.4 | 1044.7 | 1057.6 |
| 60° | 1010.0 | 999.8 | 989.6 | 980.1 | 970.2 | 961.8 | 970.2 | 980.1 | 989.6 | 999.8 | 1010.0 |
| 62.5° | 932.9 | 928.1 | 923.7 | 912.8 | 902.3 | 890.4 | 902.3 | 912.8 | 923.7 | 928.1 | 932.9 |
| 65° | *842.1* | *839.7* | *837.7* | *829.9* | *822.4* | *808.8* | *822.4* | *829.9* | *837.7* | *839.7* | *842.1* |
| 67.5° | 748.3 | 743.9 | 739.2 | 731.0 | 723.2 | 720.5 | 723.2 | 731.0 | 739.2 | 743.9 | 748.3 |
| 70° | 662.7 | 655.9 | 649.1 | 630.7 | 612.4 | 591.3 | 612.4 | 630.7 | 649.1 | 655.9 | 662.7 |
| 72.5° | 582.8 | 572.3 | 561.4 | 540.0 | 518.3 | 496.2 | 518.3 | 540.0 | 561.4 | 572.3 | 582.8 |
| 75° | 497.9 | 482.9 | 468.3 | 445.5 | 423.1 | 407.8 | 423.1 | 445.5 | 468.3 | 482.9 | 497.9 |
| 77.5° | 390.1 | 377.2 | 364.3 | 350.7 | 337.1 | 329.6 | 337.1 | 350.7 | 364.3 | 377.2 | 390.1 |
| 80° | 279.3 | 269.8 | 260.0 | 253.2 | 246.4 | 241.3 | 246.4 | 253.2 | 260.0 | 269.8 | 279.3 |
| 82.5° | 171.6 | 167.2 | 163.1 | 155.6 | 147.8 | 142.7 | 147.8 | 155.6 | 163.1 | 167.2 | 171.6 |
| 85° | 66.3 | 65.2 | 64.6 | 61.9 | 59.5 | 57.8 | 59.5 | 61.9 | 64.6 | 65.2 | 66.3 |
| 87.5° | 24.5 | 22.4 | 20.4 | 19.0 | 17.7 | 17.0 | 17.7 | 19.0 | 20.4 | 22.4 | 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 |

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

Scaled Data Report

REPORT NUMBER: P1364176
CATALOG NUMBER: GSS-SB3B-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 |
| 2.5° | 2049.6 | 2056.7 | 2067.6 | 2078.1 | 2093.1 | 2107.7 | 2120.3 | 2132.5 | 2146.4 | 2160.7 | 2178.7 |
| 5° | 1931.7 | 1944.6 | 1960.5 | 1976.2 | 1996.2 | 2015.9 | 2038.4 | 2060.1 | 2086.6 | 2113.1 | 2145.1 |
| 7.5° | 1856.9 | 1871.8 | 1895.0 | 1918.4 | 1943.2 | 1967.7 | 1996.9 | 2026.1 | 2060.8 | 2095.1 | 2134.5 |
| 10° | 1822.2 | 1844.7 | 1870.5 | 1896.3 | 1928.6 | 1960.9 | 1991.8 | 2022.7 | 2058.1 | 2093.4 | 2134.9 |
| 12.5° | 1831.4 | 1858.9 | 1893.6 | 1928.6 | 1967.3 | 2005.7 | 2034.3 | 2062.8 | 2087.3 | 2112.1 | 2146.4 |
| 15° | 1896.0 | 1935.4 | 1984.0 | 2032.3 | 2067.9 | 2103.6 | 2113.5 | 2123.3 | 2125.4 | 2127.4 | 2149.8 |
| 17.5° | 1982.0 | 2040.7 | 2108.7 | 2176.7 | 2201.8 | 2226.6 | 2207.3 | 2187.9 | 2154.3 | 2120.6 | 2123.7 |
| 20° | 2050.9 | 2128.1 | 2217.1 | 2305.8 | 2308.2 | 2310.9 | 2258.6 | 2206.2 | 2140.7 | 2074.7 | 2055.7 |
| 22.5° | 2080.5 | 2175.7 | 2263.0 | 2350.0 | 2331.0 | 2311.6 | 2236.2 | 2160.7 | 2074.7 | 1988.8 | 1960.5 |
| 25° | 2047.9 | 2140.3 | 2212.0 | 2283.7 | 2247.7 | 2211.7 | 2130.5 | 2049.2 | 1969.7 | 1890.2 | 1859.3 |
| 27.5° | 1958.2 | 2032.9 | 2076.8 | 2120.6 | 2080.2 | 2039.7 | 1974.5 | 1909.2 | 1850.1 | 1791.0 | 1761.1 |
| 30° | 1818.8 | 1872.5 | 1901.4 | 1930.3 | 1898.0 | 1865.7 | 1821.5 | 1777.4 | 1734.5 | 1691.7 | 1668.6 |
| 32.5° | 1670.0 | 1705.3 | 1727.8 | 1750.2 | 1732.5 | 1714.5 | 1681.9 | 1648.9 | 1621.0 | 1593.2 | 1583.3 |
| 35° | 1547.0 | 1578.6 | 1597.3 | 1615.9 | 1602.4 | 1588.8 | 1561.9 | 1535.4 | 1517.1 | 1498.7 | 1506.9 |
| 37.5° | 1454.9 | 1481.7 | 1495.3 | 1508.9 | 1489.2 | 1469.8 | 1447.4 | 1424.6 | 1416.5 | 1407.6 | 1430.1 |
| 40° | 1378.1 | 1403.5 | 1406.3 | 1408.6 | 1384.5 | 1360.0 | 1338.6 | 1316.9 | 1317.9 | 1318.6 | 1351.2 |
| 42.5° | 1300.9 | 1322.0 | 1316.9 | 1311.8 | 1286.0 | 1260.1 | 1238.7 | 1217.3 | 1221.7 | 1226.1 | 1267.6 |
| 45° | 1233.3 | 1252.3 | 1240.4 | 1228.5 | 1200.0 | 1171.8 | 1152.7 | 1134.4 | 1141.2 | 1148.0 | 1190.1 |
| 47.5° | 1179.9 | 1192.8 | 1179.9 | 1167.4 | 1135.7 | 1104.5 | 1084.8 | 1065.4 | 1069.8 | 1073.9 | 1110.6 |
| 50° | 1147.0 | 1149.3 | 1126.2 | 1102.8 | 1078.0 | 1053.5 | 1032.4 | 1011.0 | 1005.9 | 1000.8 | 1031.1 |
| 52.5° | 1120.1 | 1116.4 | 1091.6 | 1067.1 | 1041.6 | 1016.1 | 996.4 | 977.0 | 961.4 | 945.4 | 968.2 |
| 55° | 1087.5 | 1082.4 | 1059.6 | 1036.5 | 1012.7 | 988.9 | 965.5 | 942.0 | 919.6 | 897.2 | 922.3 |
| 57.5° | 1053.5 | 1049.4 | 1022.6 | 995.7 | 971.9 | 948.2 | 922.7 | 897.2 | 874.8 | 852.3 | 887.3 |
| 60° | 1004.6 | 999.1 | 971.9 | 944.8 | 920.3 | 895.5 | 869.7 | 843.5 | 828.9 | 813.9 | 858.1 |
| 62.5° | 924.7 | 916.9 | 890.7 | 864.9 | 844.5 | 824.1 | 794.9 | 765.3 | 764.0 | 761.9 | 819.7 |
| 65° | *834.3* | *826.5* | *804.1* | *781.6* | *765.3* | *749.3* | *721.1* | *693.3* | *700.1* | *706.9* | *768.7* |
| 67.5° | 739.5 | 730.7 | 715.4 | 700.1 | 686.8 | 673.6 | 647.7 | 621.9 | 635.8 | 649.8 | 704.8 |
| 70° | 657.9 | 653.2 | 640.9 | 628.7 | 617.2 | 605.6 | 584.5 | 563.5 | 572.3 | 581.1 | 613.8 |
| 72.5° | 579.8 | 577.1 | 565.5 | 553.9 | 544.1 | 534.2 | 518.3 | 502.3 | 508.4 | 514.9 | 522.0 |
| 75° | 492.8 | 487.7 | 475.8 | 463.9 | 456.1 | 448.6 | 436.4 | 424.1 | 428.5 | 433.3 | 437.0 |
| 77.5° | 388.1 | 386.7 | 376.9 | 367.0 | 359.9 | 352.8 | 341.5 | 330.3 | 335.8 | 340.5 | 349.7 |
| 80° | 279.3 | 279.3 | 271.5 | 263.4 | 261.0 | 258.3 | 250.1 | 242.0 | 246.0 | 249.8 | 261.0 |
| 82.5° | 168.6 | 165.8 | 157.7 | 149.5 | 152.9 | 156.3 | 158.0 | 159.7 | 162.4 | 164.8 | 164.8 |
| 85° | 64.2 | 61.9 | 62.5 | 62.9 | 64.2 | 65.2 | 70.7 | 75.4 | 79.5 | 83.3 | 82.9 |
| 87.5° | 27.2 | 29.9 | 30.9 | 32.3 | 33.6 | 34.7 | 33.3 | 31.3 | 29.9 | 27.9 | 25.8 |
| 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: P1364176
CATALOG NUMBER: GSS-SB3B-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 |
| 2.5° | 2197.1 | 2214.1 | 2233.4 | 2252.8 | 2271.8 | 2291.9 | 2311.6 | 2331.3 | 2351.0 | 2372.4 | 2394.2 |
| 5° | 2177.7 | 2210.7 | 2249.1 | 2285.8 | 2322.8 | 2361.9 | 2401.0 | 2440.7 | 2480.8 | 2518.9 | 2557.3 |
| 7.5° | 2174.3 | 2214.1 | 2265.0 | 2314.0 | 2362.6 | 2417.0 | 2471.3 | 2532.2 | 2593.0 | 2657.6 | 2722.1 |
| 10° | 2176.7 | 2219.2 | 2273.5 | 2329.6 | 2385.7 | 2453.0 | 2519.9 | 2595.7 | 2671.2 | 2748.6 | 2825.8 |
| 12.5° | 2181.1 | 2222.6 | 2282.0 | 2343.5 | 2405.4 | 2480.5 | 2555.6 | 2640.2 | 2724.8 | 2801.7 | 2878.5 |
| 15° | 2172.3 | 2209.0 | 2275.2 | 2344.9 | 2414.6 | 2495.8 | 2576.7 | 2662.7 | 2748.6 | 2826.1 | 2903.9 |
| 17.5° | 2126.7 | 2158.0 | 2235.5 | 2316.4 | 2397.6 | 2489.7 | 2582.1 | 2673.9 | 2765.6 | 2838.0 | 2910.7 |
| 20° | 2036.3 | 2056.0 | 2158.7 | 2265.4 | 2372.1 | 2480.5 | 2588.9 | 2687.5 | 2786.0 | 2859.4 | 2932.8 |
| 22.5° | 1932.0 | 1950.7 | 2073.0 | 2206.9 | 2340.8 | 2473.4 | 2605.9 | 2714.0 | 2822.4 | 2889.3 | 2956.6 |
| 25° | 1828.3 | 1830.0 | 1970.4 | 2137.3 | 2304.1 | 2472.7 | 2641.2 | 2759.5 | 2877.8 | 2935.9 | 2994.0 |
| 27.5° | 1731.5 | 1723.0 | 1866.4 | 2065.9 | 2265.0 | 2479.1 | 2693.2 | 2826.1 | 2959.3 | 3003.9 | 3048.4 |
| 30° | 1645.5 | 1636.3 | 1775.7 | 2003.7 | 2232.1 | 2493.1 | 2754.4 | 2905.0 | 3055.2 | 3089.8 | 3124.8 |
| 32.5° | 1573.5 | 1573.5 | 1701.9 | 1949.3 | 2197.1 | 2508.7 | 2820.7 | 2997.7 | 3174.8 | 3196.5 | 3218.3 |
| 35° | 1515.0 | 1536.1 | 1635.3 | 1887.5 | 2139.3 | 2505.0 | 2871.0 | 3096.3 | 3321.9 | 3349.1 | 3376.3 |
| 37.5° | 1451.8 | 1491.9 | 1570.1 | 1818.8 | 2067.9 | 2494.4 | 2920.9 | 3216.6 | 3512.3 | 3544.5 | 3576.8 |
| 40° | 1383.8 | 1434.1 | 1496.0 | 1736.9 | 1977.9 | 2470.6 | 2963.4 | 3354.2 | 3745.1 | 3808.9 | 3872.5 |
| 42.5° | 1309.1 | 1371.3 | 1414.4 | 1639.4 | 1864.0 | 2429.5 | 2994.7 | 3506.5 | 4017.6 | 4152.5 | 4287.1 |
| 45° | 1232.9 | 1294.8 | 1333.9 | 1540.2 | 1746.8 | 2401.3 | 3055.9 | 3713.1 | 4370.4 | 4586.2 | 4802.0 |
| 47.5° | 1147.0 | 1204.7 | 1249.9 | 1441.6 | 1634.0 | 2368.4 | 3102.8 | 3925.5 | 4748.3 | 5021.5 | 5294.7 |
| 50° | 1061.0 | 1118.1 | 1179.9 | 1353.9 | 1527.6 | 2312.3 | 3096.6 | 4110.7 | 5124.8 | 5495.2 | 5865.7 |
| 52.5° | 990.6 | 1051.8 | 1131.0 | 1275.1 | 1419.9 | 2197.4 | 2975.3 | 4198.4 | 5421.1 | 6009.8 | 6598.0 |
| 55° | 947.5 | 1019.5 | 1098.4 | 1209.2 | 1319.3 | 2045.2 | 2770.4 | 4175.3 | 5580.2 | 6526.7 | 7473.1 |
| 57.5° | 922.7 | 1011.0 | 1077.3 | 1153.4 | 1229.5 | 1885.8 | 2542.0 | 4049.2 | 5556.4 | 6960.6 | 8365.2 |
| 60° | 902.3 | 990.6 | 1042.6 | 1096.0 | 1149.3 | 1684.3 | 2219.2 | 3747.1 | 5275.0 | 7155.0 | 9034.7 |
| 62.5° | 877.5 | 961.8 | 983.8 | 1013.4 | 1043.3 | 1428.7 | 1814.1 | 3251.9 | 4689.8 | 6723.8 | 8757.7 |
| 65° | *830.9* | *900.6* | *906.7* | *912.8* | *919.3* | *1122.8* | *1326.1* | *2550.8* | *3775.6* | *5799.4* | *7823.1* |
| 67.5° | 759.5 | 807.1 | 797.9 | 779.9 | 761.9 | 858.4 | 955.0 | 1985.0 | 3015.1 | 4980.7 | 6946.4 |
| 70° | 646.4 | 669.5 | 672.2 | 645.4 | 618.5 | 652.5 | 686.5 | 1521.1 | 2355.8 | 4231.4 | 6106.9 |
| 72.5° | 529.5 | 514.9 | 542.0 | 521.7 | 501.3 | 501.6 | 502.3 | 1143.6 | 1784.8 | 3513.6 | 5242.1 |
| 75° | 441.1 | 431.6 | 420.7 | 396.3 | 372.1 | 374.2 | 376.5 | 847.6 | 1318.6 | 2805.4 | 4292.2 |
| 77.5° | 358.5 | 356.8 | 325.6 | 299.1 | 272.6 | 271.2 | 269.2 | 547.8 | 826.5 | 1840.6 | 2854.7 |
| 80° | 271.9 | 273.6 | 229.4 | 201.9 | 174.0 | 172.6 | 170.6 | 302.8 | 435.0 | 1055.2 | 1675.4 |
| 82.5° | 164.8 | 158.0 | 133.2 | 119.6 | 106.0 | 105.7 | 105.4 | 162.8 | 220.2 | 528.8 | 837.7 |
| 85° | 82.2 | 78.2 | 64.6 | 55.7 | 46.9 | 44.5 | 42.5 | 51.7 | 61.2 | 125.7 | 190.3 |
| 87.5° | 23.8 | 20.4 | 18.7 | 17.0 | 15.3 | 14.3 | 13.6 | 13.9 | 14.3 | 15.0 | 15.3 |
| 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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Scaled Data Report

REPORT NUMBER: P1364176
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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | *2215.8* | 2215.8 | 2215.8 |
| 2.5° | 2402.7 | 2411.2 | 2420.3 | 2429.9 | 2435.3 | 2440.7 | 2446.5 | 2452.0 | *2457.1* | 2452.0 | 2446.5 |
| 5° | 2595.7 | 2633.8 | 2659.6 | 2685.4 | 2705.1 | 2724.8 | 2736.1 | 2747.6 | *2749.3* | 2747.6 | 2736.1 |
| 7.5° | 2767.7 | 2813.2 | 2852.6 | 2892.0 | 2917.2 | 2942.3 | 2957.0 | 2971.9 | *2977.0* | 2971.9 | 2957.0 |
| 10° | 2879.1 | 2932.8 | 2970.9 | 3009.3 | 3032.7 | 3055.9 | 3067.4 | 3079.0 | *3082.4* | 3079.0 | 3067.4 |
| 12.5° | 2929.8 | 2981.1 | 3010.7 | 3039.9 | 3054.8 | 3069.4 | 3074.9 | 3079.6 | *3075.6* | 3079.6 | 3074.9 |
| 15° | 2934.2 | 2964.1 | 2976.7 | 2988.9 | 2981.8 | 2974.3 | 2963.8 | 2953.2 | *2946.4* | 2953.2 | 2963.8 |
| 17.5° | 2921.3 | 2932.2 | 2909.4 | 2887.0 | 2846.2 | 2805.4 | 2774.8 | 2744.2 | *2722.1* | 2744.2 | 2774.8 |
| 20° | 2915.8 | 2898.8 | 2838.4 | 2778.2 | 2701.7 | 2625.3 | 2574.0 | 2522.3 | *2491.0* | 2522.3 | 2574.0 |
| 22.5° | 2908.7 | 2860.8 | 2759.2 | 2657.6 | 2552.9 | 2448.6 | 2389.4 | 2330.6 | *2297.3* | 2330.6 | 2389.4 |
| 25° | 2911.8 | 2829.2 | 2691.9 | 2554.9 | 2431.9 | 2309.2 | 2245.0 | 2181.1 | *2144.4* | 2181.1 | 2245.0 |
| 27.5° | 2922.6 | 2796.9 | 2627.0 | 2457.1 | 2323.8 | 2190.3 | 2129.1 | 2067.9 | *2035.6* | 2067.9 | 2129.1 |
| 30° | 2958.0 | 2790.8 | 2587.6 | 2384.0 | 2244.7 | 2105.3 | 2045.5 | 1985.4 | *1950.7* | 1985.4 | 2045.5 |
| 32.5° | 3007.6 | 2796.9 | 2569.2 | 2341.5 | 2199.5 | 2057.7 | 2000.3 | 1943.2 | *1913.3* | 1943.2 | 2000.3 |
| 35° | 3109.5 | 2842.8 | 2590.3 | 2338.1 | 2206.2 | 2074.7 | 2032.6 | 1990.8 | *1974.5* | 1990.8 | 2032.6 |
| 37.5° | 3265.2 | 2953.2 | 2693.2 | 2433.3 | 2343.5 | 2253.8 | 2253.8 | 2253.8 | *2266.7* | 2253.8 | 2253.8 |
| 40° | 3522.5 | 3172.4 | 2926.4 | 2680.7 | 2675.2 | 2670.5 | 2727.6 | 2785.0 | *2810.5* | 2785.0 | 2727.6 |
| 42.5° | 3917.0 | 3547.3 | 3348.8 | 3150.3 | 3269.3 | 3388.2 | 3553.4 | 3718.5 | *3826.6* | 3718.5 | 3553.4 |
| 45° | 4441.7 | 4081.5 | 3942.8 | 3804.5 | 4069.3 | 4333.7 | 4625.6 | 4917.5 | *5124.8* | 4917.5 | 4625.6 |
| 47.5° | 4991.6 | 4688.1 | 4608.9 | 4530.1 | 4970.2 | 5410.3 | 5838.1 | 6266.0 | *6518.2* | 6266.0 | 5838.1 |
| 50° | 5593.1 | 5320.2 | 5304.9 | 5289.6 | 5875.9 | 6462.1 | 7014.3 | 7566.6 | *7874.1* | 7566.6 | 7014.3 |
| 52.5° | 6298.6 | 5998.9 | 6011.1 | 6022.7 | 6719.0 | 7415.3 | 8083.1 | 8750.9 | *9097.5* | 8750.9 | 8083.1 |
| 55° | 7097.6 | 6722.1 | 6720.0 | 6718.0 | 7518.0 | 8318.6 | 9139.0 | 9960.1 | *10422.9* | 9960.1 | 9139.0 |
| 57.5° | 8013.5 | 7661.7 | 7578.1 | 7494.2 | 8330.9 | 9167.2 | 10073.2 | 10979.6 | *11466.2* | 10979.6 | 10073.2 |
| 60° | 8841.0 | 8647.3 | 8513.4 | 8379.8 | 9238.9 | 10098.4 | 11034.3 | 11969.9 | *12455.2* | 11969.9 | 11034.3 |
| 62.5° | 9104.0 | 9450.3 | 9440.4 | 9430.6 | 10358.0 | 11285.4 | 12258.8 | 13232.7 | *13668.4* | 13232.7 | 12258.8 |
| 65° | *8375.4* | *8927.6* | *9307.6* | *9687.2* | *10808.3* | *11929.1* | *12943.2* | *13957.3* | *14402.5* | *13957.3* | *12943.2* |
| 67.5° | 7433.0 | 7920.0 | 8231.0 | 8541.9 | 9805.1 | 11068.6 | 12219.3 | 13370.0 | *13828.1* | 13370.0 | 12219.3 |
| 70° | 6645.9 | 7184.9 | 7407.2 | 7629.4 | 8702.7 | 9775.5 | 10686.0 | 11596.1 | *11775.5* | 11596.1 | 10686.0 |
| 72.5° | 5883.0 | 6524.3 | 6618.4 | 6712.5 | 7493.5 | 8274.5 | 8759.4 | 9244.4 | *8852.9* | 9244.4 | 8759.4 |
| 75° | 5015.4 | 5738.2 | 5801.1 | 5864.0 | 6107.3 | 6351.0 | 6474.3 | 6598.0 | *6375.4* | 6598.0 | 6474.3 |
| 77.5° | 3480.7 | 4107.0 | 4248.0 | 4389.0 | 4551.2 | 4713.6 | 4705.1 | 4696.6 | *4384.0* | 4696.6 | 4705.1 |
| 80° | 2165.1 | 2654.8 | 2673.2 | 2691.5 | 2813.2 | 2934.5 | 3058.6 | 3182.6 | *2983.8* | 3182.6 | 3058.6 |
| 82.5° | 1106.5 | 1375.7 | 1417.1 | 1458.6 | 1533.0 | 1607.4 | 1642.1 | 1677.1 | *1508.9* | 1677.1 | 1642.1 |
| 85° | 260.3 | 330.3 | 398.0 | 465.6 | 543.7 | 621.9 | 613.1 | 604.2 | *509.8* | 604.2 | 613.1 |
| 87.5° | 15.6 | 16.3 | 16.7 | 17.0 | 17.3 | 17.7 | 18.7 | 19.7 | *20.4* | 19.7 | 18.7 |
| 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: P1364176
CATALOG NUMBER: GSS-SB3B-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 | 2215.8 |
| 2.5° | 2440.7 | 2435.3 | 2429.9 | 2420.3 | 2411.2 | 2402.7 | 2394.2 |
| 5° | 2724.8 | 2705.1 | 2685.4 | 2659.6 | 2633.8 | 2595.7 | 2557.3 |
| 7.5° | 2942.3 | 2917.2 | 2892.0 | 2852.6 | 2813.2 | 2767.7 | 2722.1 |
| 10° | 3055.9 | 3032.7 | 3009.3 | 2970.9 | 2932.8 | 2879.1 | 2825.8 |
| 12.5° | 3069.4 | 3054.8 | 3039.9 | 3010.7 | 2981.1 | 2929.8 | 2878.5 |
| 15° | 2974.3 | 2981.8 | 2988.9 | 2976.7 | 2964.1 | 2934.2 | 2903.9 |
| 17.5° | 2805.4 | 2846.2 | 2887.0 | 2909.4 | 2932.2 | 2921.3 | 2910.7 |
| 20° | 2625.3 | 2701.7 | 2778.2 | 2838.4 | 2898.8 | 2915.8 | 2932.8 |
| 22.5° | 2448.6 | 2552.9 | 2657.6 | 2759.2 | 2860.8 | 2908.7 | 2956.6 |
| 25° | 2309.2 | 2431.9 | 2554.9 | 2691.9 | 2829.2 | 2911.8 | 2994.0 |
| 27.5° | 2190.3 | 2323.8 | 2457.1 | 2627.0 | 2796.9 | 2922.6 | 3048.4 |
| 30° | 2105.3 | 2244.7 | 2384.0 | 2587.6 | 2790.8 | 2958.0 | 3124.8 |
| 32.5° | 2057.7 | 2199.5 | 2341.5 | 2569.2 | 2796.9 | 3007.6 | 3218.3 |
| 35° | 2074.7 | 2206.2 | 2338.1 | 2590.3 | 2842.8 | 3109.5 | 3376.3 |
| 37.5° | 2253.8 | 2343.5 | 2433.3 | 2693.2 | 2953.2 | 3265.2 | 3576.8 |
| 40° | 2670.5 | 2675.2 | 2680.7 | 2926.4 | 3172.4 | 3522.5 | 3872.5 |
| 42.5° | 3388.2 | 3269.3 | 3150.3 | 3348.8 | 3547.3 | 3917.0 | 4287.1 |
| 45° | 4333.7 | 4069.3 | 3804.5 | 3942.8 | 4081.5 | 4441.7 | 4802.0 |
| 47.5° | 5410.3 | 4970.2 | 4530.1 | 4608.9 | 4688.1 | 4991.6 | 5294.7 |
| 50° | 6462.1 | 5875.9 | 5289.6 | 5304.9 | 5320.2 | 5593.1 | 5865.7 |
| 52.5° | 7415.3 | 6719.0 | 6022.7 | 6011.1 | 5998.9 | 6298.6 | 6598.0 |
| 55° | 8318.6 | 7518.0 | 6718.0 | 6720.0 | 6722.1 | 7097.6 | 7473.1 |
| 57.5° | 9167.2 | 8330.9 | 7494.2 | 7578.1 | 7661.7 | 8013.5 | 8365.2 |
| 60° | 10098.4 | 9238.9 | 8379.8 | 8513.4 | 8647.3 | 8841.0 | 9034.7 |
| 62.5° | 11285.4 | 10358.0 | 9430.6 | 9440.4 | 9450.3 | 9104.0 | 8757.7 |
| 65° | *11929.1* | *10808.3* | *9687.2* | *9307.6* | *8927.6* | *8375.4* | *7823.1* |
| 67.5° | 11068.6 | 9805.1 | 8541.9 | 8231.0 | 7920.0 | 7433.0 | 6946.4 |
| 70° | 9775.5 | 8702.7 | 7629.4 | 7407.2 | 7184.9 | 6645.9 | 6106.9 |
| 72.5° | 8274.5 | 7493.5 | 6712.5 | 6618.4 | 6524.3 | 5883.0 | 5242.1 |
| 75° | 6351.0 | 6107.3 | 5864.0 | 5801.1 | 5738.2 | 5015.4 | 4292.2 |
| 77.5° | 4713.6 | 4551.2 | 4389.0 | 4248.0 | 4107.0 | 3480.7 | 2854.7 |
| 80° | 2934.5 | 2813.2 | 2691.5 | 2673.2 | 2654.8 | 2165.1 | 1675.4 |
| 82.5° | 1607.4 | 1533.0 | 1458.6 | 1417.1 | 1375.7 | 1106.5 | 837.7 |
| 85° | 621.9 | 543.7 | 465.6 | 398.0 | 330.3 | 260.3 | 190.3 |
| 87.5° | 17.7 | 17.3 | 17.0 | 16.7 | 16.3 | 15.6 | 15.3 |
| 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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

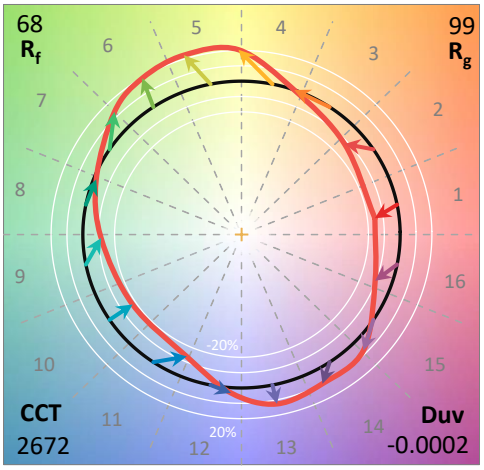
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-3 |
| 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-727-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2672 |
| CIE u': | 0.2638 |
| CIE v': | 0.5276 |
| Duv: | -0.0002 |
| CIE x: | 0.4619 |
| CIE y: | 0.4106 |
| CIE z: | 0.1275 |
| Peak Wavelength (nm): | 601 |
| Dominant Wavelength (nm): | 584 |
| Purity: | 61.88407 |
| Rf: | 67.9 |
| Rg: | 98.6 |

| | |
|---|---|
| CRI (Ra): | 71.1 |
| R1: | 68.3 |
| R2: | 79.8 |
| R3: | 91.2 |
| R4: | 69.4 |
| R5: | 66.5 |
| R6: | 72.6 |
| R7: | 77.0 |
| R8: | 44.1 |
| R9: | -27.8 |
| R10: | 54.4 |
| R11: | 65.8 |
| R12: | 45.6 |
| R13: | 69.8 |
| R14: | 94.5 |
| R15: | 60.1 |



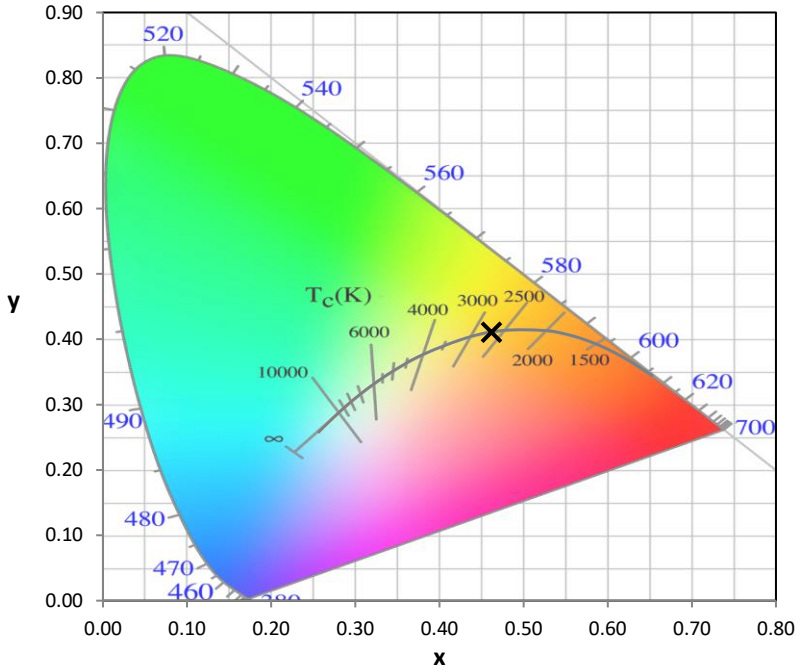

## Test Conditions

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

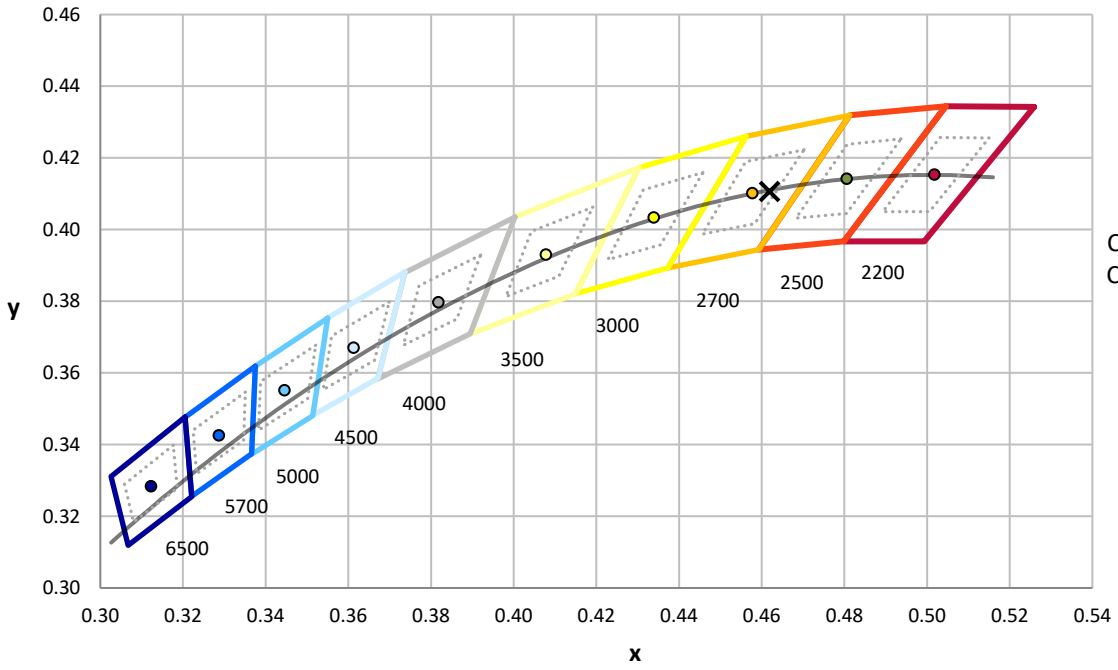
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-3

## CIE 1931 Chromaticity Diagram




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

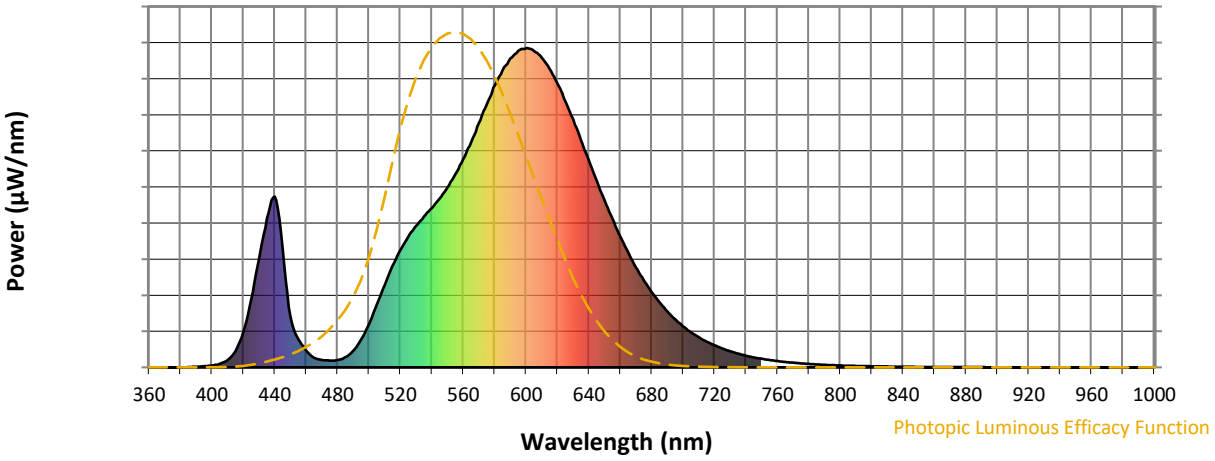



CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

## Photopic Flux vs. Wavelength

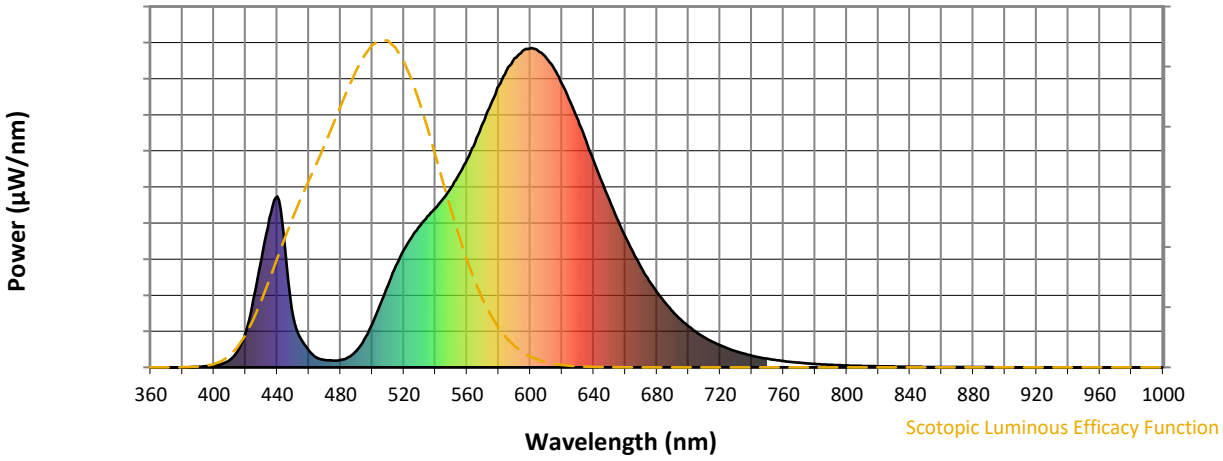



## Photopic Lumens: NR

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Scotopic Flux vs. Wavelength

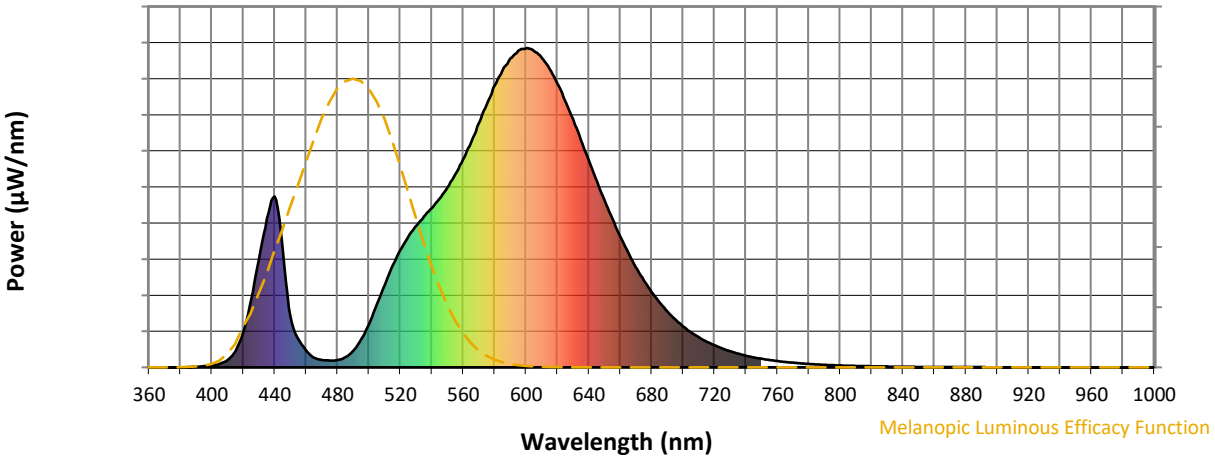



**Scotopic Lumens: NR** **S/P: 1.02**

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 1.71**

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

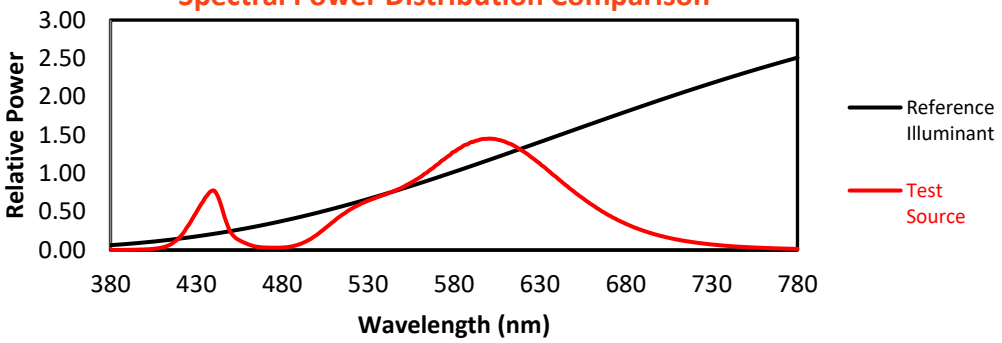
REPORT NUMBER: SP1-2407-184-3

# TM-30-18

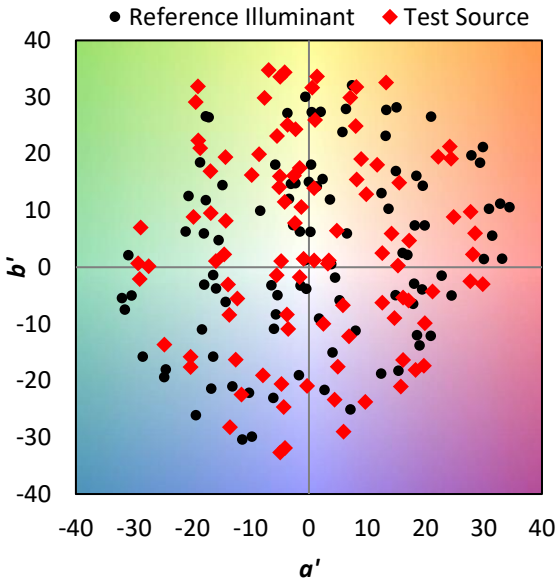
## Summary

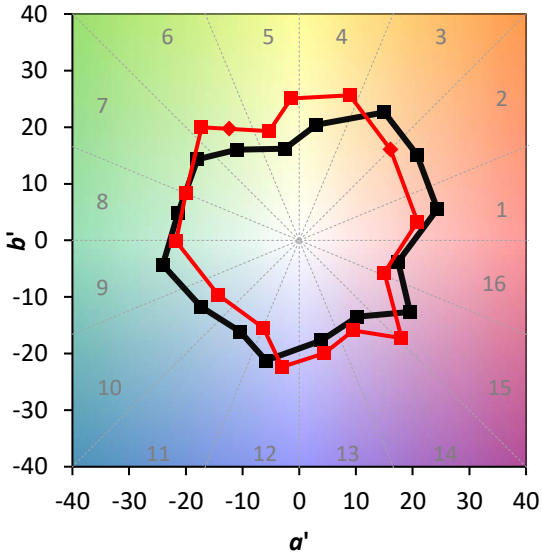
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$R_g$ = 98.6
CIE $R_a$ = 71.1
$R_9$ = -27.8

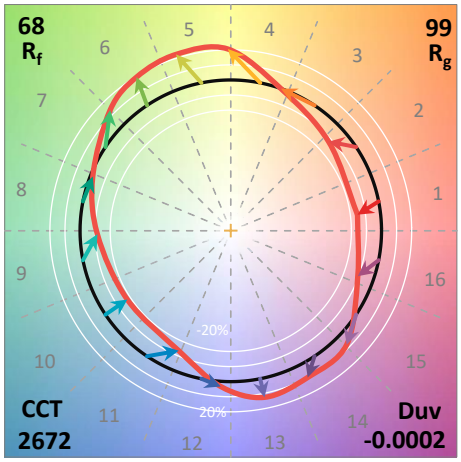
## Spectral Power Distribution Comparison

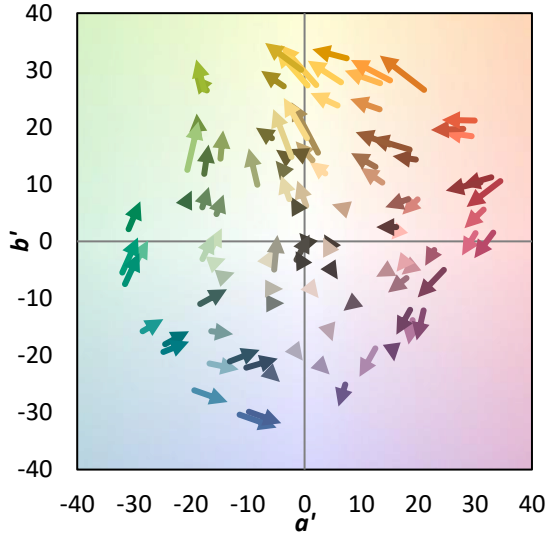



## Color Vector Graphics



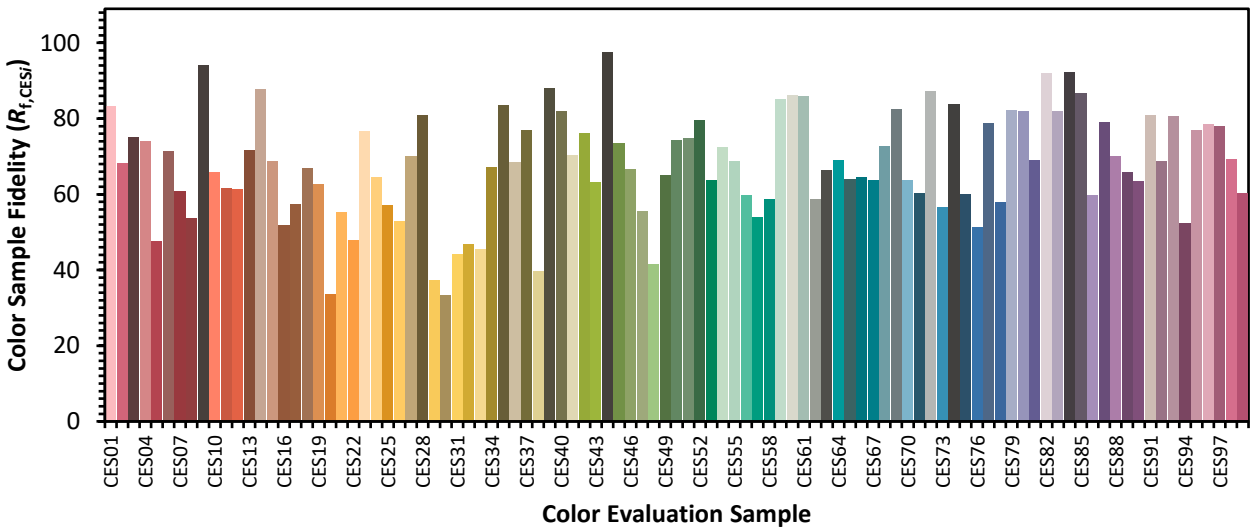



REPORT NUMBER: SP1-2407-184-3

# TM-30-18

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

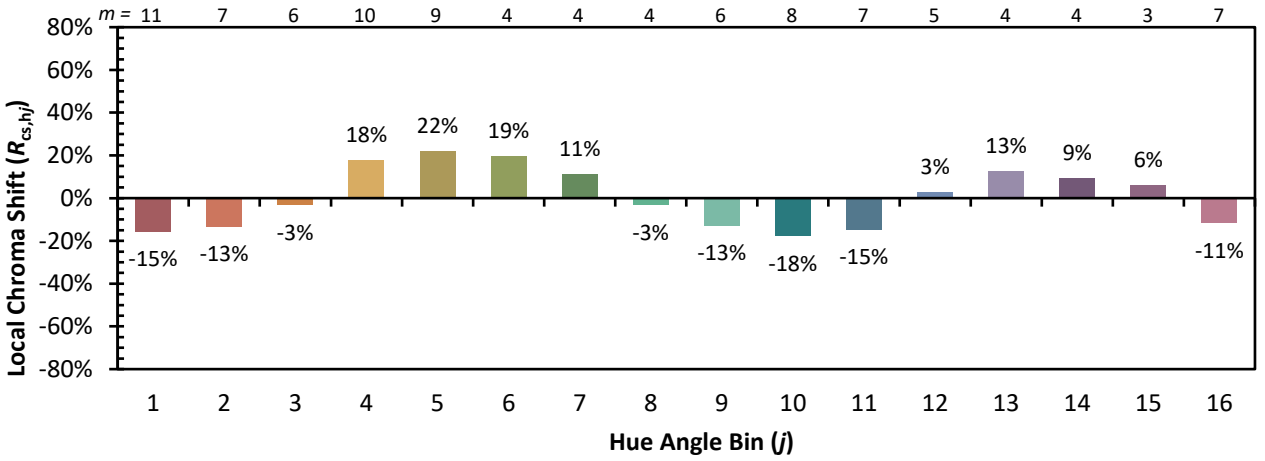
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|---|---|---|---|
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| CES02 = 63 | CES27 = 70 | CES52 = 80 | CES77 = 79 |
| CES03 = 31 | CES28 = 81 | CES53 = 64 | CES78 = 58 |
| CES04 = 71 | CES29 = 37 | CES54 = 73 | CES79 = 82 |
| CES05 = 50 | CES30 = 33 | CES55 = 69 | CES80 = 82 |
| CES06 = 52 | CES31 = 44 | CES56 = 60 | CES81 = 69 |
| CES07 = 42 | CES32 = 47 | CES57 = 54 | CES82 = 92 |
| CES08 = 41 | CES33 = 45 | CES58 = 59 | CES83 = 82 |
| CES09 = 29 | CES34 = 67 | CES59 = 85 | CES84 = 92 |
| CES10 = 77 | CES35 = 84 | CES60 = 86 | CES85 = 87 |
| CES11 = 60 | CES36 = 68 | CES61 = 86 | CES86 = 60 |
| CES12 = 66 | CES37 = 77 | CES62 = 59 | CES87 = 79 |
| CES13 = 44 | CES38 = 40 | CES63 = 66 | CES88 = 70 |
| CES14 = 74 | CES39 = 88 | CES64 = 69 | CES89 = 66 |
| CES15 = 72 | CES40 = 82 | CES65 = 64 | CES90 = 64 |
| CES16 = 48 | CES41 = 70 | CES66 = 65 | CES91 = 81 |
| CES17 = 51 | CES42 = 76 | CES67 = 64 | CES92 = 69 |
| CES18 = 57 | CES43 = 63 | CES68 = 73 | CES93 = 81 |
| CES19 = 73 | CES44 = 97 | CES69 = 83 | CES94 = 53 |
| CES20 = 67 | CES45 = 74 | CES70 = 64 | CES95 = 77 |
| CES21 = 88 | CES46 = 67 | CES71 = 60 | CES96 = 79 |
| CES22 = 80 | CES47 = 55 | CES72 = 87 | CES97 = 78 |
| CES23 = 92 | CES48 = 42 | CES73 = 57 | CES98 = 69 |
| CES24 = 92 | CES49 = 65 | CES74 = 84 | CES99 = 60 |
| CES25 = 73 | CES50 = 74 | CES75 = 60 | |

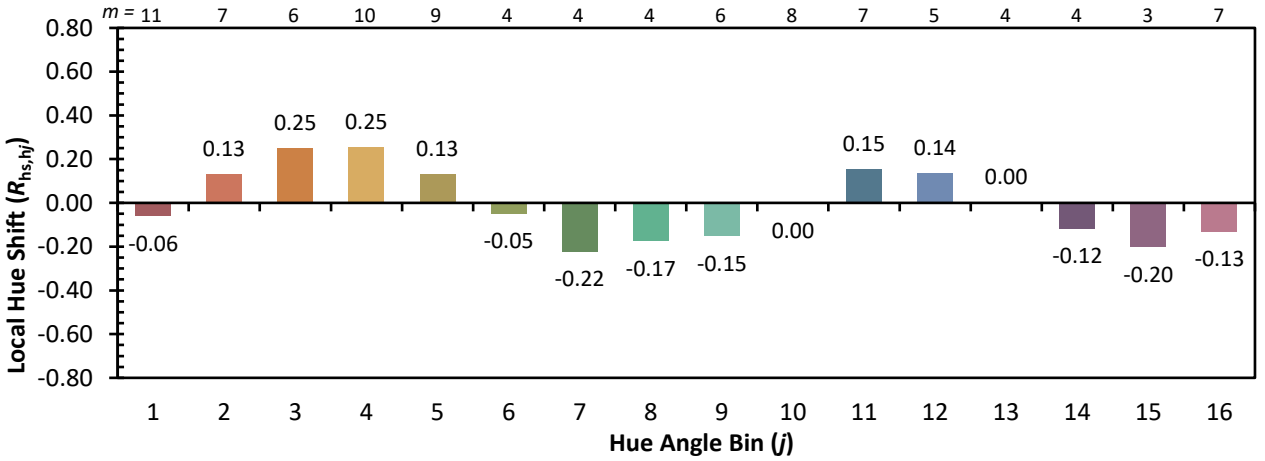


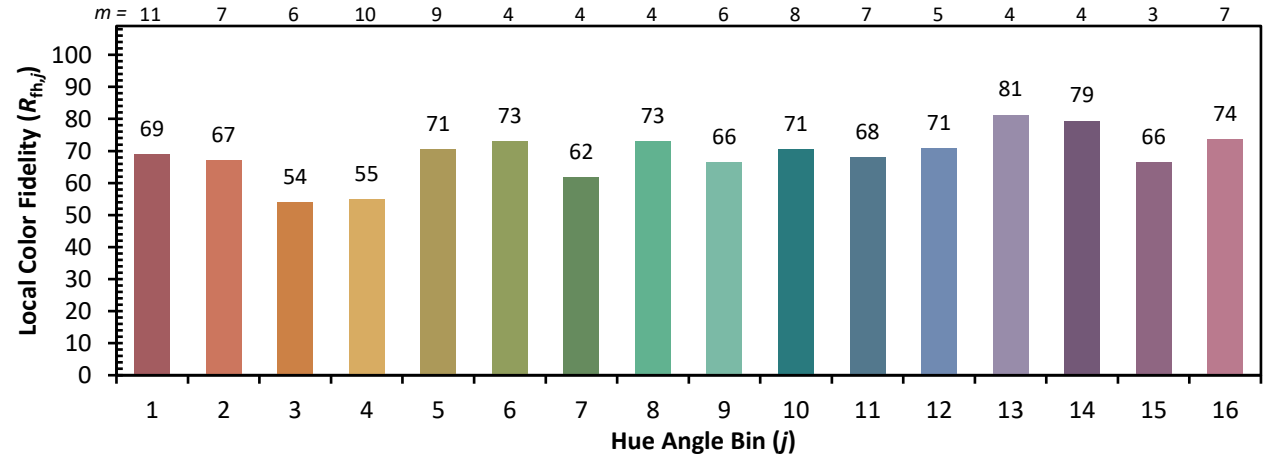
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## Color Rendition by Hue-Angle Bin



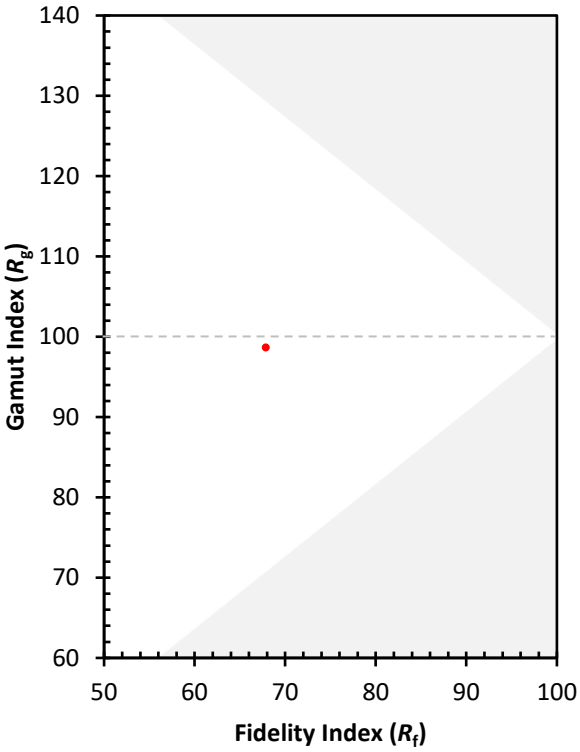



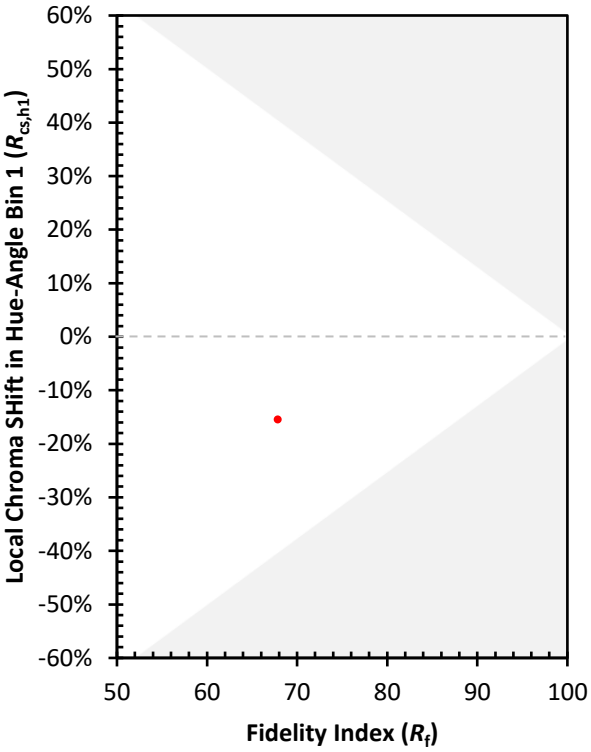



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### Measure Comparisons




(END OF REPORT)