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: P1364223

Luminaire Tested: **GSS-SB3A-735-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: | P1364223 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3A-735-U-SLR |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC |
| Light Source: | (78) 3500K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 11885.2 lumens |
| Efficiency: | N/A |
| Efficacy: | 139.8 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B2 - U0 - G2 |

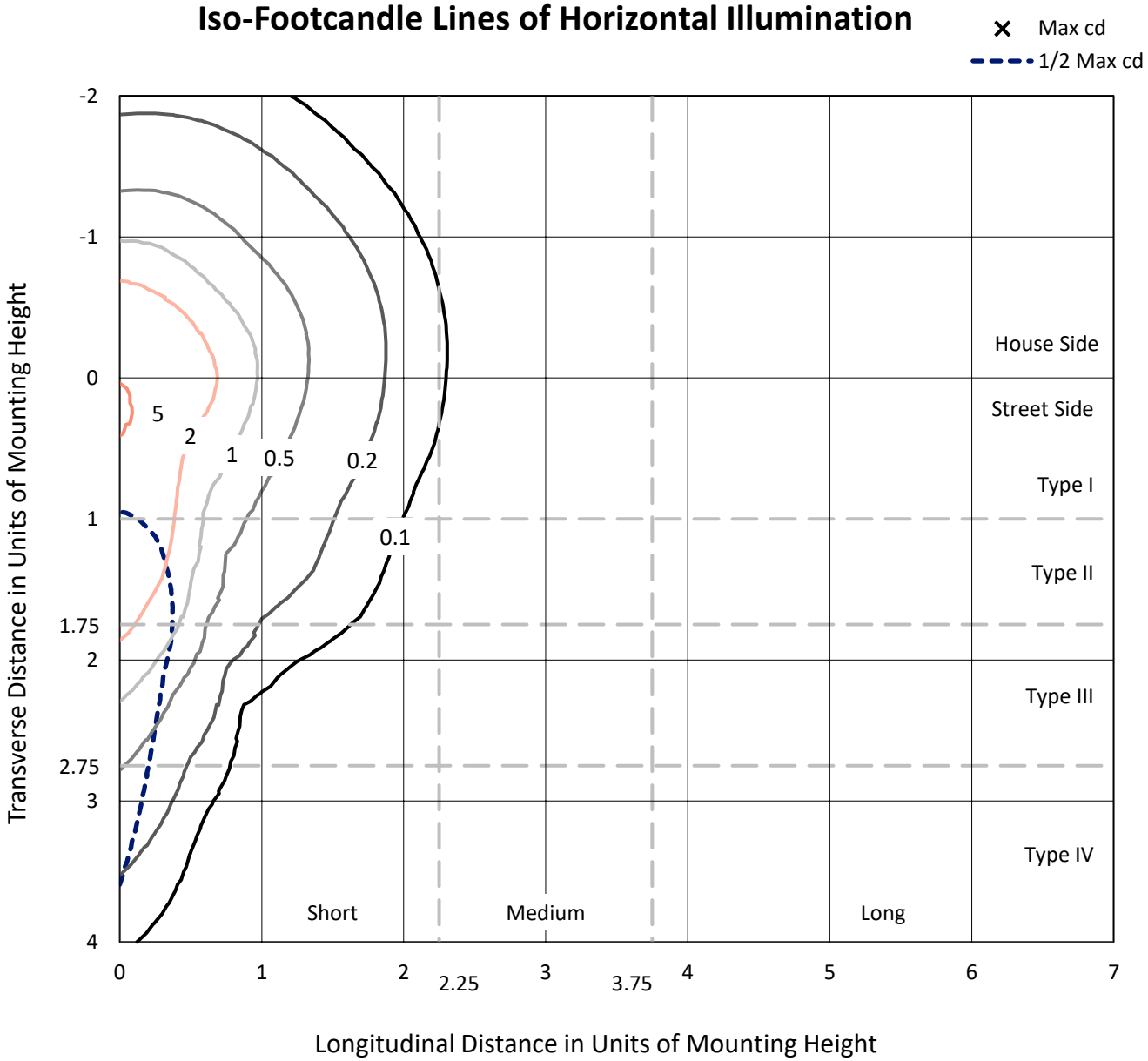
| | |
|---|---|
| Input Watts (W): | 85 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 11.0% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



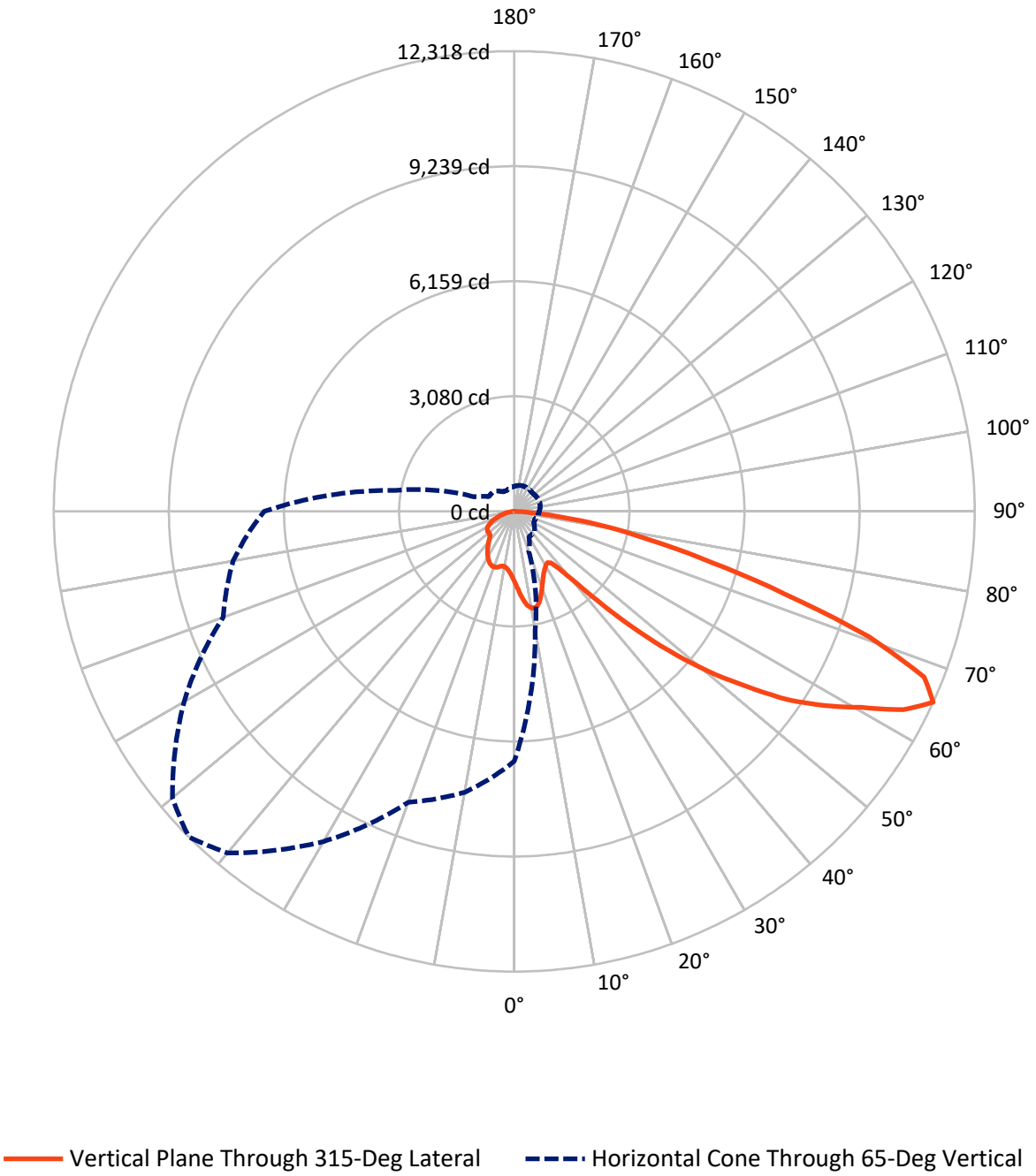

Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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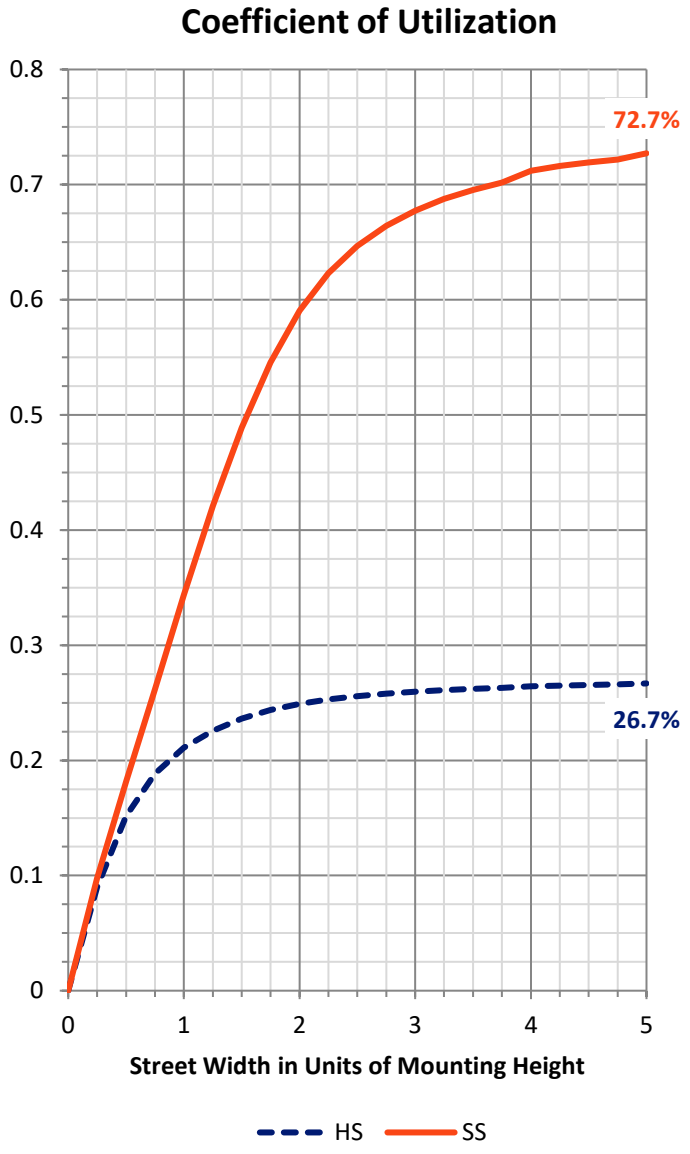
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 3197.4 | 0.0 | 3197.4 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 8687.8 | 0.0 | 8687.8 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 11885.2 | 0.0 | 11885.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 187.1 | 1.6 |
| 10°-20° | 573.4 | 4.8 |
| 20°-30° | 887.5 | 7.5 |
| 30°-40° | 1101.1 | 9.3 |
| 40°-50° | 1610.2 | 13.5 |
| 50°-60° | 2522.1 | 21.2 |
| 60°-70° | 2992.7 | 25.2 |
| 70°-80° | 1745.5 | 14.7 |
| 80°-90° | 265.5 | 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° | 11885.2 | 100.0 |
| 0°-180° | 11885.2 | 100.0 |



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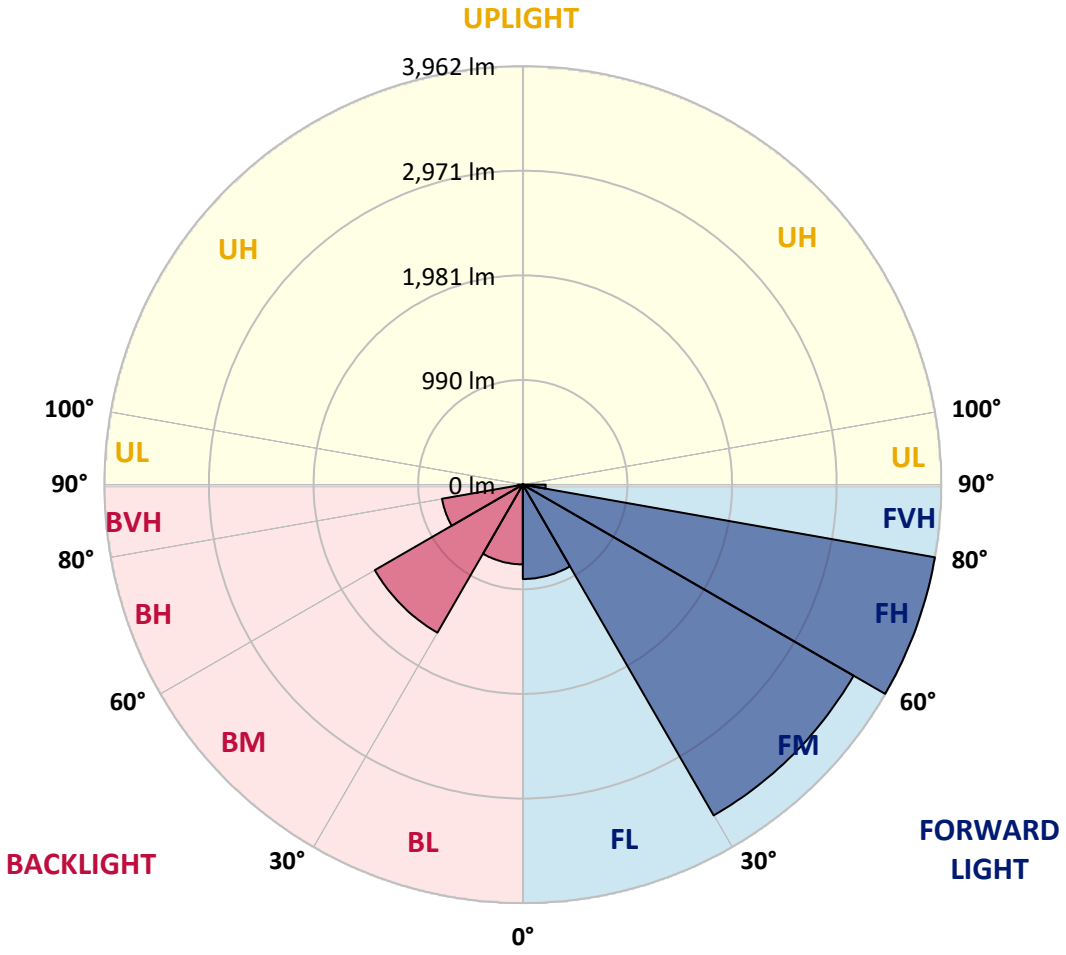
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 893.3 | 7.5 | | | |
| FM | (30°-60°) | 3615.7 | 30.4 | | | |
| FH | (60°-80°) | 3961.6 | 33.3 | | | G2/5000 |
| FVH | (80°-90°) | 217.2 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 754.8 | 6.4 | B2/1000 | | |
| BM | (30°-60°) | 1617.7 | 13.6 | B2/2500 | | |
| BH | (60°-80°) | 776.5 | 6.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 48.4 | 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-G2**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 |
| 2.5° | 2047.7 | 2029.1 | 2010.8 | 1993.9 | 1977.1 | 1960.2 | 1943.1 | 1926.8 | 1910.2 | 1893.7 | 1879.1 |
| 5° | 2187.2 | 2154.4 | 2121.8 | 2087.5 | 2053.5 | 2020.1 | 1986.7 | 1955.0 | 1923.6 | 1890.8 | 1862.6 |
| 7.5° | 2328.2 | 2273.0 | 2217.8 | 2165.7 | 2113.7 | 2067.2 | 2020.7 | 1979.1 | 1937.3 | 1893.7 | 1859.7 |
| 10° | 2416.9 | 2350.9 | 2284.6 | 2220.1 | 2155.3 | 2098.0 | 2040.4 | 1992.5 | 1944.5 | 1898.0 | 1861.7 |
| 12.5° | 2461.9 | 2396.2 | 2330.5 | 2258.2 | 2185.8 | 2121.5 | 2057.3 | 2004.4 | 1951.8 | 1900.9 | 1865.5 |
| 15° | 2483.7 | 2417.1 | 2350.9 | 2277.3 | 2203.8 | 2134.6 | 2065.2 | 2005.6 | 1946.0 | 1889.3 | 1857.9 |
| 17.5° | 2489.5 | 2427.3 | 2365.4 | 2286.9 | 2208.4 | 2129.4 | 2050.6 | 1981.2 | 1912.0 | 1845.7 | 1819.0 |
| 20° | 2508.4 | 2445.6 | 2382.8 | 2298.6 | 2214.3 | 2121.5 | 2028.8 | 1937.6 | 1846.3 | 1758.5 | 1741.6 |
| 22.5° | 2528.8 | 2471.2 | 2413.9 | 2321.2 | 2228.8 | 2115.4 | 2002.1 | 1887.6 | 1773.0 | 1668.4 | 1652.4 |
| 25° | 2560.7 | 2511.0 | 2461.3 | 2360.2 | 2259.0 | 2114.9 | 1970.7 | 1828.0 | 1685.3 | 1565.2 | 1563.8 |
| 27.5° | 2607.2 | 2569.2 | 2531.1 | 2417.1 | 2303.5 | 2120.4 | 1937.3 | 1766.9 | 1596.3 | 1473.7 | 1480.9 |
| 30° | 2672.6 | 2642.7 | 2613.1 | 2484.6 | 2355.8 | 2132.3 | 1909.1 | 1713.7 | 1518.7 | 1399.5 | 1407.4 |
| 32.5° | 2752.6 | 2734.0 | 2715.4 | 2563.9 | 2412.5 | 2145.7 | 1879.1 | 1667.2 | 1455.6 | 1345.8 | 1345.8 |
| 35° | 2887.7 | 2864.5 | 2841.2 | 2648.2 | 2455.5 | 2142.5 | 1829.7 | 1614.3 | 1398.7 | 1313.8 | 1295.8 |
| 37.5° | 3059.2 | 3031.6 | 3004.0 | 2751.1 | 2498.2 | 2133.5 | 1768.7 | 1555.6 | 1342.9 | 1276.0 | 1241.7 |
| 40° | 3312.1 | 3257.7 | 3203.1 | 2868.8 | 2534.6 | 2113.1 | 1691.7 | 1485.6 | 1279.5 | 1226.6 | 1183.6 |
| 42.5° | 3666.7 | 3551.6 | 3436.2 | 2999.0 | 2561.3 | 2077.9 | 1594.3 | 1402.2 | 1209.7 | 1172.8 | 1119.6 |
| 45° | 4107.1 | 3922.5 | 3737.9 | 3175.8 | 2613.6 | 2053.8 | 1494.0 | 1317.3 | 1140.8 | 1107.4 | 1054.5 |
| 47.5° | 4528.5 | 4294.8 | 4061.1 | 3357.4 | 2653.7 | 2025.6 | 1397.5 | 1233.0 | 1069.1 | 1030.4 | 981.0 |
| 50° | 5016.8 | 4700.0 | 4383.2 | 3515.8 | 2648.5 | 1977.7 | 1306.5 | 1158.0 | 1009.2 | 956.3 | 907.4 |
| 52.5° | 5643.2 | 5140.1 | 4636.6 | 3590.8 | 2544.7 | 1879.4 | 1214.4 | 1090.6 | 967.3 | 899.6 | 847.3 |
| 55° | 6391.7 | 5582.2 | 4772.7 | 3571.1 | 2369.5 | 1749.2 | 1128.3 | 1034.2 | 939.4 | 872.0 | 810.4 |
| 57.5° | 7154.6 | 5953.3 | 4752.3 | 3463.2 | 2174.2 | 1612.9 | 1051.6 | 986.5 | 921.4 | 864.7 | 789.1 |
| 60° | 7727.2 | 6119.6 | 4511.7 | 3204.8 | 1898.0 | 1440.5 | 983.0 | 937.4 | 891.8 | 847.3 | 771.7 |
| 62.5° | 7490.4 | 5750.7 | 4011.1 | 2781.3 | 1551.6 | 1221.9 | 892.3 | 866.8 | 841.5 | 822.6 | 750.5 |
| 65° | *6691.0* | *4960.1* | *3229.3* | *2181.7* | *1134.2* | *960.3* | *786.2* | *780.7* | *775.5* | *770.3* | *710.7* |
| 67.5° | 5941.1 | 4259.9 | 2578.8 | 1697.8 | 816.8 | 734.2 | 651.7 | 667.1 | 682.5 | 690.3 | 649.6 |
| 70° | 5223.2 | 3619.0 | 2014.9 | 1301.0 | 587.1 | 558.1 | 529.0 | 552.0 | 574.9 | 572.6 | 552.8 |
| 72.5° | 4483.5 | 3005.2 | 1526.6 | 978.1 | 429.6 | 429.0 | 428.7 | 446.2 | 463.6 | 440.4 | 452.9 |
| 75° | 3671.1 | 2399.4 | 1127.8 | 724.9 | 322.1 | 320.0 | 318.3 | 338.9 | 359.8 | 369.1 | 377.3 |
| 77.5° | 2441.6 | 1574.2 | 706.9 | 468.5 | 230.2 | 231.9 | 233.1 | 255.8 | 278.5 | 305.2 | 306.6 |
| 80° | 1433.0 | 902.5 | 372.0 | 259.0 | 145.9 | 147.7 | 148.8 | 172.7 | 196.2 | 234.0 | 232.5 |
| 82.5° | 716.5 | 452.3 | 188.3 | 139.2 | 90.1 | 90.4 | 90.7 | 102.3 | 113.9 | 135.2 | 141.0 |
| 85° | 162.8 | 107.5 | 52.3 | 44.2 | 36.3 | 38.1 | 40.1 | 47.7 | 55.2 | 66.9 | 70.3 |
| 87.5° | 13.1 | 12.8 | 12.2 | 11.9 | 11.6 | 12.2 | 13.1 | 14.5 | 16.0 | 17.4 | 20.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 |
| 2.5° | 1863.4 | 1848.0 | 1835.8 | 1823.9 | 1813.4 | 1802.7 | 1790.2 | 1777.4 | 1768.4 | 1759.1 | 1753.0 |
| 5° | 1834.7 | 1807.3 | 1784.7 | 1762.0 | 1743.4 | 1724.2 | 1707.3 | 1690.2 | 1676.8 | 1663.2 | 1652.1 |
| 7.5° | 1825.6 | 1791.9 | 1762.6 | 1732.9 | 1707.9 | 1682.9 | 1662.0 | 1640.8 | 1620.7 | 1601.0 | 1588.2 |
| 10° | 1825.9 | 1790.5 | 1760.2 | 1730.0 | 1703.6 | 1677.1 | 1649.5 | 1621.9 | 1599.8 | 1577.7 | 1558.5 |
| 12.5° | 1835.8 | 1806.5 | 1785.2 | 1764.3 | 1739.9 | 1715.5 | 1682.6 | 1649.5 | 1619.6 | 1589.9 | 1566.4 |
| 15° | 1838.7 | 1819.5 | 1817.8 | 1816.1 | 1807.6 | 1799.2 | 1768.7 | 1738.2 | 1696.9 | 1655.3 | 1621.6 |
| 17.5° | 1816.3 | 1813.7 | 1842.5 | 1871.3 | 1887.8 | 1904.4 | 1883.2 | 1861.7 | 1803.6 | 1745.4 | 1695.1 |
| 20° | 1758.2 | 1774.5 | 1830.9 | 1887.0 | 1931.7 | 1976.5 | 1974.2 | 1972.1 | 1896.3 | 1820.1 | 1754.1 |
| 22.5° | 1676.8 | 1701.0 | 1774.5 | 1848.0 | 1912.6 | 1977.1 | 1993.6 | 2009.9 | 1935.5 | 1860.8 | 1779.4 |
| 25° | 1590.2 | 1616.7 | 1684.7 | 1752.7 | 1822.2 | 1891.6 | 1922.4 | 1953.2 | 1891.9 | 1830.6 | 1751.5 |
| 27.5° | 1506.2 | 1531.8 | 1582.4 | 1632.9 | 1688.7 | 1744.6 | 1779.1 | 1813.7 | 1776.2 | 1738.7 | 1674.8 |
| 30° | 1427.1 | 1446.9 | 1483.5 | 1520.2 | 1557.9 | 1595.7 | 1623.3 | 1651.0 | 1626.3 | 1601.5 | 1555.6 |
| 32.5° | 1354.2 | 1362.6 | 1386.5 | 1410.3 | 1438.5 | 1466.4 | 1481.8 | 1496.9 | 1477.7 | 1458.5 | 1428.3 |
| 35° | 1288.8 | 1281.8 | 1297.5 | 1313.2 | 1335.9 | 1358.8 | 1370.5 | 1382.1 | 1366.1 | 1350.1 | 1323.1 |
| 37.5° | 1223.1 | 1203.9 | 1211.5 | 1218.5 | 1237.9 | 1257.1 | 1273.7 | 1290.5 | 1278.9 | 1267.3 | 1244.3 |
| 40° | 1155.7 | 1127.8 | 1127.2 | 1126.3 | 1144.9 | 1163.2 | 1184.2 | 1204.8 | 1202.8 | 1200.4 | 1178.6 |
| 42.5° | 1084.2 | 1048.7 | 1044.9 | 1041.2 | 1059.5 | 1077.8 | 1099.9 | 1122.0 | 1126.3 | 1130.7 | 1112.7 |
| 45° | 1017.9 | 981.9 | 976.0 | 970.2 | 985.9 | 1002.2 | 1026.3 | 1050.7 | 1060.9 | 1071.1 | 1054.8 |
| 47.5° | 949.9 | 918.5 | 915.0 | 911.2 | 927.8 | 944.7 | 971.4 | 998.4 | 1009.2 | 1020.2 | 1009.2 |
| 50° | 881.9 | 856.0 | 860.4 | 864.7 | 883.0 | 901.1 | 922.0 | 943.2 | 963.3 | 983.0 | 981.0 |
| 52.5° | 828.1 | 808.6 | 822.3 | 835.7 | 852.2 | 869.1 | 890.9 | 912.7 | 933.6 | 954.8 | 958.0 |
| 55° | 788.9 | 767.3 | 786.5 | 805.7 | 825.8 | 845.8 | 866.2 | 886.5 | 906.3 | 925.8 | 930.1 |
| 57.5° | 758.9 | 729.0 | 748.2 | 767.3 | 789.1 | 810.9 | 831.3 | 851.6 | 874.6 | 897.6 | 901.1 |
| 60° | 733.9 | 696.1 | 708.9 | 721.4 | 743.8 | 765.9 | 787.1 | 808.0 | 831.3 | 854.5 | 859.2 |
| 62.5° | 701.1 | 651.7 | 653.4 | 654.6 | 679.9 | 704.9 | 722.3 | 739.7 | 761.8 | 784.2 | 790.9 |
| 65° | *657.5* | *604.6* | *598.8* | *593.0* | *616.8* | *640.9* | *654.6* | *668.5* | *687.7* | *706.9* | *713.6* |
| 67.5° | 602.8 | 555.7 | 543.8 | 531.9 | 554.0 | 576.1 | 587.4 | 598.8 | 611.8 | 624.9 | 632.5 |
| 70° | 524.9 | 497.0 | 489.5 | 481.9 | 499.9 | 518.0 | 527.8 | 537.7 | 548.2 | 558.7 | 562.7 |
| 72.5° | 446.5 | 440.4 | 434.8 | 429.6 | 443.3 | 456.9 | 465.3 | 473.8 | 483.7 | 493.5 | 495.9 |
| 75° | 373.8 | 370.6 | 366.5 | 362.7 | 373.2 | 383.7 | 390.1 | 396.8 | 406.9 | 417.1 | 421.5 |
| 77.5° | 299.1 | 291.2 | 287.2 | 282.5 | 292.1 | 301.7 | 307.8 | 313.9 | 322.3 | 330.8 | 331.9 |
| 80° | 223.2 | 213.6 | 210.4 | 207.0 | 213.9 | 220.9 | 223.2 | 225.3 | 232.2 | 238.9 | 238.9 |
| 82.5° | 141.0 | 141.0 | 138.9 | 136.6 | 135.2 | 133.7 | 130.8 | 127.9 | 134.9 | 141.8 | 144.2 |
| 85° | 70.9 | 71.2 | 68.0 | 64.5 | 60.5 | 55.8 | 54.9 | 53.8 | 53.5 | 52.9 | 54.9 |
| 87.5° | 22.1 | 23.8 | 25.6 | 26.7 | 28.5 | 29.6 | 28.8 | 27.6 | 26.5 | 25.6 | 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 |

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**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 |
| 2.5° | 1746.9 | 1744.0 | 1741.1 | 1738.7 | 1736.7 | 1735.3 | 1736.7 | 1738.7 | 1741.1 | 1744.0 | 1746.9 |
| 5° | 1640.8 | 1636.1 | 1631.2 | 1628.0 | 1624.8 | 1621.9 | 1624.8 | 1628.0 | 1631.2 | 1636.1 | 1640.8 |
| 7.5° | 1575.4 | 1567.8 | 1560.3 | 1554.8 | 1549.2 | 1546.3 | 1549.2 | 1554.8 | 1560.3 | 1567.8 | 1575.4 |
| 10° | 1539.9 | 1529.2 | 1518.7 | 1512.9 | 1507.1 | 1502.7 | 1507.1 | 1512.9 | 1518.7 | 1529.2 | 1539.9 |
| 12.5° | 1542.8 | 1529.5 | 1516.7 | 1508.0 | 1499.2 | 1494.0 | 1499.2 | 1508.0 | 1516.7 | 1529.5 | 1542.8 |
| 15° | 1587.6 | 1569.0 | 1549.8 | 1539.1 | 1528.3 | 1520.2 | 1528.3 | 1539.1 | 1549.8 | 1569.0 | 1587.6 |
| 17.5° | 1645.1 | 1617.8 | 1590.5 | 1580.9 | 1571.0 | 1566.7 | 1571.0 | 1580.9 | 1590.5 | 1617.8 | 1645.1 |
| 20° | 1688.2 | 1651.5 | 1615.5 | 1601.0 | 1586.4 | 1581.2 | 1586.4 | 1601.0 | 1615.5 | 1651.5 | 1688.2 |
| 22.5° | 1698.0 | 1655.0 | 1611.7 | 1598.1 | 1584.1 | 1578.3 | 1584.1 | 1598.1 | 1611.7 | 1655.0 | 1698.0 |
| 25° | 1672.8 | 1627.4 | 1581.8 | 1567.8 | 1553.6 | 1549.2 | 1553.6 | 1567.8 | 1581.8 | 1627.4 | 1672.8 |
| 27.5° | 1610.8 | 1570.7 | 1530.3 | 1515.5 | 1500.4 | 1491.1 | 1500.4 | 1515.5 | 1530.3 | 1570.7 | 1610.8 |
| 30° | 1510.0 | 1480.1 | 1450.4 | 1441.1 | 1431.5 | 1427.1 | 1431.5 | 1441.1 | 1450.4 | 1480.1 | 1510.0 |
| 32.5° | 1398.1 | 1379.5 | 1360.9 | 1354.8 | 1348.7 | 1345.8 | 1348.7 | 1354.8 | 1360.9 | 1379.5 | 1398.1 |
| 35° | 1296.4 | 1283.0 | 1269.6 | 1264.7 | 1260.0 | 1255.7 | 1260.0 | 1264.7 | 1269.6 | 1283.0 | 1296.4 |
| 37.5° | 1221.4 | 1205.7 | 1189.4 | 1180.7 | 1171.9 | 1165.6 | 1171.9 | 1180.7 | 1189.4 | 1205.7 | 1221.4 |
| 40° | 1156.8 | 1134.2 | 1111.8 | 1099.9 | 1087.7 | 1081.3 | 1087.7 | 1099.9 | 1111.8 | 1134.2 | 1156.8 |
| 42.5° | 1094.3 | 1068.2 | 1042.0 | 1023.7 | 1005.7 | 994.1 | 1005.7 | 1023.7 | 1042.0 | 1068.2 | 1094.3 |
| 45° | 1038.2 | 1008.9 | 979.5 | 957.7 | 935.9 | 921.4 | 935.9 | 957.7 | 979.5 | 1008.9 | 1038.2 |
| 47.5° | 998.4 | 973.1 | 947.6 | 928.4 | 909.2 | 895.2 | 909.2 | 928.4 | 947.6 | 973.1 | 998.4 |
| 50° | 978.9 | 958.9 | 938.8 | 920.8 | 902.5 | 889.4 | 902.5 | 920.8 | 938.8 | 958.9 | 978.9 |
| 52.5° | 961.5 | 947.0 | 932.4 | 916.7 | 901.1 | 889.4 | 901.1 | 916.7 | 932.4 | 947.0 | 961.5 |
| 55° | 934.5 | 924.0 | 913.3 | 901.6 | 890.0 | 880.7 | 890.0 | 901.6 | 913.3 | 924.0 | 934.5 |
| 57.5° | 904.5 | 893.5 | 882.2 | 873.4 | 864.7 | 860.4 | 864.7 | 873.4 | 882.2 | 893.5 | 904.5 |
| 60° | 863.8 | 855.1 | 846.4 | 838.3 | 829.8 | 822.6 | 829.8 | 838.3 | 846.4 | 855.1 | 863.8 |
| 62.5° | 797.9 | 793.8 | 790.0 | 780.7 | 771.7 | 761.5 | 771.7 | 780.7 | 790.0 | 793.8 | 797.9 |
| 65° | *720.3* | *718.2* | *716.5* | *709.8* | *703.4* | *691.8* | *703.4* | *709.8* | *716.5* | *718.2* | *720.3* |
| 67.5° | 640.0 | 636.3 | 632.2 | 625.2 | 618.5 | 616.2 | 618.5 | 625.2 | 632.2 | 636.3 | 640.0 |
| 70° | 566.8 | 561.0 | 555.2 | 539.5 | 523.8 | 505.8 | 523.8 | 539.5 | 555.2 | 561.0 | 566.8 |
| 72.5° | 498.5 | 489.5 | 480.2 | 461.9 | 443.3 | 424.4 | 443.3 | 461.9 | 480.2 | 489.5 | 498.5 |
| 75° | 425.8 | 413.0 | 400.5 | 381.1 | 361.9 | 348.8 | 361.9 | 381.1 | 400.5 | 413.0 | 425.8 |
| 77.5° | 333.7 | 322.6 | 311.6 | 300.0 | 288.3 | 281.9 | 288.3 | 300.0 | 311.6 | 322.6 | 333.7 |
| 80° | 238.9 | 230.8 | 222.4 | 216.5 | 210.7 | 206.4 | 210.7 | 216.5 | 222.4 | 230.8 | 238.9 |
| 82.5° | 146.8 | 143.0 | 139.5 | 133.1 | 126.4 | 122.1 | 126.4 | 133.1 | 139.5 | 143.0 | 146.8 |
| 85° | 56.7 | 55.8 | 55.2 | 52.9 | 50.9 | 49.4 | 50.9 | 52.9 | 55.2 | 55.8 | 56.7 |
| 87.5° | 20.9 | 19.2 | 17.4 | 16.3 | 15.1 | 14.5 | 15.1 | 16.3 | 17.4 | 19.2 | 20.9 |
| 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: P1364223
CATALOG NUMBER: GSS-SB3A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 |
| 2.5° | 1753.0 | 1759.1 | 1768.4 | 1777.4 | 1790.2 | 1802.7 | 1813.4 | 1823.9 | 1835.8 | 1848.0 | 1863.4 |
| 5° | 1652.1 | 1663.2 | 1676.8 | 1690.2 | 1707.3 | 1724.2 | 1743.4 | 1762.0 | 1784.7 | 1807.3 | 1834.7 |
| 7.5° | 1588.2 | 1601.0 | 1620.7 | 1640.8 | 1662.0 | 1682.9 | 1707.9 | 1732.9 | 1762.6 | 1791.9 | 1825.6 |
| 10° | 1558.5 | 1577.7 | 1599.8 | 1621.9 | 1649.5 | 1677.1 | 1703.6 | 1730.0 | 1760.2 | 1790.5 | 1825.9 |
| 12.5° | 1566.4 | 1589.9 | 1619.6 | 1649.5 | 1682.6 | 1715.5 | 1739.9 | 1764.3 | 1785.2 | 1806.5 | 1835.8 |
| 15° | 1621.6 | 1655.3 | 1696.9 | 1738.2 | 1768.7 | 1799.2 | 1807.6 | 1816.1 | 1817.8 | 1819.5 | 1838.7 |
| 17.5° | 1695.1 | 1745.4 | 1803.6 | 1861.7 | 1883.2 | 1904.4 | 1887.8 | 1871.3 | 1842.5 | 1813.7 | 1816.3 |
| 20° | 1754.1 | 1820.1 | 1896.3 | 1972.1 | 1974.2 | 1976.5 | 1931.7 | 1887.0 | 1830.9 | 1774.5 | 1758.2 |
| 22.5° | 1779.4 | 1860.8 | 1935.5 | 2009.9 | 1993.6 | 1977.1 | 1912.6 | 1848.0 | 1774.5 | 1701.0 | 1676.8 |
| 25° | 1751.5 | 1830.6 | 1891.9 | 1953.2 | 1922.4 | 1891.6 | 1822.2 | 1752.7 | 1684.7 | 1616.7 | 1590.2 |
| 27.5° | 1674.8 | 1738.7 | 1776.2 | 1813.7 | 1779.1 | 1744.6 | 1688.7 | 1632.9 | 1582.4 | 1531.8 | 1506.2 |
| 30° | 1555.6 | 1601.5 | 1626.3 | 1651.0 | 1623.3 | 1595.7 | 1557.9 | 1520.2 | 1483.5 | 1446.9 | 1427.1 |
| 32.5° | 1428.3 | 1458.5 | 1477.7 | 1496.9 | 1481.8 | 1466.4 | 1438.5 | 1410.3 | 1386.5 | 1362.6 | 1354.2 |
| 35° | 1323.1 | 1350.1 | 1366.1 | 1382.1 | 1370.5 | 1358.8 | 1335.9 | 1313.2 | 1297.5 | 1281.8 | 1288.8 |
| 37.5° | 1244.3 | 1267.3 | 1278.9 | 1290.5 | 1273.7 | 1257.1 | 1237.9 | 1218.5 | 1211.5 | 1203.9 | 1223.1 |
| 40° | 1178.6 | 1200.4 | 1202.8 | 1204.8 | 1184.2 | 1163.2 | 1144.9 | 1126.3 | 1127.2 | 1127.8 | 1155.7 |
| 42.5° | 1112.7 | 1130.7 | 1126.3 | 1122.0 | 1099.9 | 1077.8 | 1059.5 | 1041.2 | 1044.9 | 1048.7 | 1084.2 |
| 45° | 1054.8 | 1071.1 | 1060.9 | 1050.7 | 1026.3 | 1002.2 | 985.9 | 970.2 | 976.0 | 981.9 | 1017.9 |
| 47.5° | 1009.2 | 1020.2 | 1009.2 | 998.4 | 971.4 | 944.7 | 927.8 | 911.2 | 915.0 | 918.5 | 949.9 |
| 50° | 981.0 | 983.0 | 963.3 | 943.2 | 922.0 | 901.1 | 883.0 | 864.7 | 860.4 | 856.0 | 881.9 |
| 52.5° | 958.0 | 954.8 | 933.6 | 912.7 | 890.9 | 869.1 | 852.2 | 835.7 | 822.3 | 808.6 | 828.1 |
| 55° | 930.1 | 925.8 | 906.3 | 886.5 | 866.2 | 845.8 | 825.8 | 805.7 | 786.5 | 767.3 | 788.9 |
| 57.5° | 901.1 | 897.6 | 874.6 | 851.6 | 831.3 | 810.9 | 789.1 | 767.3 | 748.2 | 729.0 | 758.9 |
| 60° | 859.2 | 854.5 | 831.3 | 808.0 | 787.1 | 765.9 | 743.8 | 721.4 | 708.9 | 696.1 | 733.9 |
| 62.5° | 790.9 | 784.2 | 761.8 | 739.7 | 722.3 | 704.9 | 679.9 | 654.6 | 653.4 | 651.7 | 701.1 |
| 65° | *713.6* | *706.9* | *687.7* | *668.5* | *654.6* | *640.9* | *616.8* | *593.0* | *598.8* | *604.6* | *657.5* |
| 67.5° | 632.5 | 624.9 | 611.8 | 598.8 | 587.4 | 576.1 | 554.0 | 531.9 | 543.8 | 555.7 | 602.8 |
| 70° | 562.7 | 558.7 | 548.2 | 537.7 | 527.8 | 518.0 | 499.9 | 481.9 | 489.5 | 497.0 | 524.9 |
| 72.5° | 495.9 | 493.5 | 483.7 | 473.8 | 465.3 | 456.9 | 443.3 | 429.6 | 434.8 | 440.4 | 446.5 |
| 75° | 421.5 | 417.1 | 406.9 | 396.8 | 390.1 | 383.7 | 373.2 | 362.7 | 366.5 | 370.6 | 373.8 |
| 77.5° | 331.9 | 330.8 | 322.3 | 313.9 | 307.8 | 301.7 | 292.1 | 282.5 | 287.2 | 291.2 | 299.1 |
| 80° | 238.9 | 238.9 | 232.2 | 225.3 | 223.2 | 220.9 | 213.9 | 207.0 | 210.4 | 213.6 | 223.2 |
| 82.5° | 144.2 | 141.8 | 134.9 | 127.9 | 130.8 | 133.7 | 135.2 | 136.6 | 138.9 | 141.0 | 141.0 |
| 85° | 54.9 | 52.9 | 53.5 | 53.8 | 54.9 | 55.8 | 60.5 | 64.5 | 68.0 | 71.2 | 70.9 |
| 87.5° | 23.3 | 25.6 | 26.5 | 27.6 | 28.8 | 29.6 | 28.5 | 26.7 | 25.6 | 23.8 | 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: P1364223
CATALOG NUMBER: GSS-SB3A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 |
| 2.5° | 1879.1 | 1893.7 | 1910.2 | 1926.8 | 1943.1 | 1960.2 | 1977.1 | 1993.9 | 2010.8 | 2029.1 | 2047.7 |
| 5° | 1862.6 | 1890.8 | 1923.6 | 1955.0 | 1986.7 | 2020.1 | 2053.5 | 2087.5 | 2121.8 | 2154.4 | 2187.2 |
| 7.5° | 1859.7 | 1893.7 | 1937.3 | 1979.1 | 2020.7 | 2067.2 | 2113.7 | 2165.7 | 2217.8 | 2273.0 | 2328.2 |
| 10° | 1861.7 | 1898.0 | 1944.5 | 1992.5 | 2040.4 | 2098.0 | 2155.3 | 2220.1 | 2284.6 | 2350.9 | 2416.9 |
| 12.5° | 1865.5 | 1900.9 | 1951.8 | 2004.4 | 2057.3 | 2121.5 | 2185.8 | 2258.2 | 2330.5 | 2396.2 | 2461.9 |
| 15° | 1857.9 | 1889.3 | 1946.0 | 2005.6 | 2065.2 | 2134.6 | 2203.8 | 2277.3 | 2350.9 | 2417.1 | 2483.7 |
| 17.5° | 1819.0 | 1845.7 | 1912.0 | 1981.2 | 2050.6 | 2129.4 | 2208.4 | 2286.9 | 2365.4 | 2427.3 | 2489.5 |
| 20° | 1741.6 | 1758.5 | 1846.3 | 1937.6 | 2028.8 | 2121.5 | 2214.3 | 2298.6 | 2382.8 | 2445.6 | 2508.4 |
| 22.5° | 1652.4 | 1668.4 | 1773.0 | 1887.6 | 2002.1 | 2115.4 | 2228.8 | 2321.2 | 2413.9 | 2471.2 | 2528.8 |
| 25° | 1563.8 | 1565.2 | 1685.3 | 1828.0 | 1970.7 | 2114.9 | 2259.0 | 2360.2 | 2461.3 | 2511.0 | 2560.7 |
| 27.5° | 1480.9 | 1473.7 | 1596.3 | 1766.9 | 1937.3 | 2120.4 | 2303.5 | 2417.1 | 2531.1 | 2569.2 | 2607.2 |
| 30° | 1407.4 | 1399.5 | 1518.7 | 1713.7 | 1909.1 | 2132.3 | 2355.8 | 2484.6 | 2613.1 | 2642.7 | 2672.6 |
| 32.5° | 1345.8 | 1345.8 | 1455.6 | 1667.2 | 1879.1 | 2145.7 | 2412.5 | 2563.9 | 2715.4 | 2734.0 | 2752.6 |
| 35° | 1295.8 | 1313.8 | 1398.7 | 1614.3 | 1829.7 | 2142.5 | 2455.5 | 2648.2 | 2841.2 | 2864.5 | 2887.7 |
| 37.5° | 1241.7 | 1276.0 | 1342.9 | 1555.6 | 1768.7 | 2133.5 | 2498.2 | 2751.1 | 3004.0 | 3031.6 | 3059.2 |
| 40° | 1183.6 | 1226.6 | 1279.5 | 1485.6 | 1691.7 | 2113.1 | 2534.6 | 2868.8 | 3203.1 | 3257.7 | 3312.1 |
| 42.5° | 1119.6 | 1172.8 | 1209.7 | 1402.2 | 1594.3 | 2077.9 | 2561.3 | 2999.0 | 3436.2 | 3551.6 | 3666.7 |
| 45° | 1054.5 | 1107.4 | 1140.8 | 1317.3 | 1494.0 | 2053.8 | 2613.6 | 3175.8 | 3737.9 | 3922.5 | 4107.1 |
| 47.5° | 981.0 | 1030.4 | 1069.1 | 1233.0 | 1397.5 | 2025.6 | 2653.7 | 3357.4 | 4061.1 | 4294.8 | 4528.5 |
| 50° | 907.4 | 956.3 | 1009.2 | 1158.0 | 1306.5 | 1977.7 | 2648.5 | 3515.8 | 4383.2 | 4700.0 | 5016.8 |
| 52.5° | 847.3 | 899.6 | 967.3 | 1090.6 | 1214.4 | 1879.4 | 2544.7 | 3590.8 | 4636.6 | 5140.1 | 5643.2 |
| 55° | 810.4 | 872.0 | 939.4 | 1034.2 | 1128.3 | 1749.2 | 2369.5 | 3571.1 | 4772.7 | 5582.2 | 6391.7 |
| 57.5° | 789.1 | 864.7 | 921.4 | 986.5 | 1051.6 | 1612.9 | 2174.2 | 3463.2 | 4752.3 | 5953.3 | 7154.6 |
| 60° | 771.7 | 847.3 | 891.8 | 937.4 | 983.0 | 1440.5 | 1898.0 | 3204.8 | 4511.7 | 6119.6 | 7727.2 |
| 62.5° | 750.5 | 822.6 | 841.5 | 866.8 | 892.3 | 1221.9 | 1551.6 | 2781.3 | 4011.1 | 5750.7 | 7490.4 |
| 65° | *710.7* | *770.3* | *775.5* | *780.7* | *786.2* | *960.3* | *1134.2* | *2181.7* | *3229.3* | *4960.1* | *6691.0* |
| 67.5° | 649.6 | 690.3 | 682.5 | 667.1 | 651.7 | 734.2 | 816.8 | 1697.8 | 2578.8 | 4259.9 | 5941.1 |
| 70° | 552.8 | 572.6 | 574.9 | 552.0 | 529.0 | 558.1 | 587.1 | 1301.0 | 2014.9 | 3619.0 | 5223.2 |
| 72.5° | 452.9 | 440.4 | 463.6 | 446.2 | 428.7 | 429.0 | 429.6 | 978.1 | 1526.6 | 3005.2 | 4483.5 |
| 75° | 377.3 | 369.1 | 359.8 | 338.9 | 318.3 | 320.0 | 322.1 | 724.9 | 1127.8 | 2399.4 | 3671.1 |
| 77.5° | 306.6 | 305.2 | 278.5 | 255.8 | 233.1 | 231.9 | 230.2 | 468.5 | 706.9 | 1574.2 | 2441.6 |
| 80° | 232.5 | 234.0 | 196.2 | 172.7 | 148.8 | 147.7 | 145.9 | 259.0 | 372.0 | 902.5 | 1433.0 |
| 82.5° | 141.0 | 135.2 | 113.9 | 102.3 | 90.7 | 90.4 | 90.1 | 139.2 | 188.3 | 452.3 | 716.5 |
| 85° | 70.3 | 66.9 | 55.2 | 47.7 | 40.1 | 38.1 | 36.3 | 44.2 | 52.3 | 107.5 | 162.8 |
| 87.5° | 20.3 | 17.4 | 16.0 | 14.5 | 13.1 | 12.2 | 11.6 | 11.9 | 12.2 | 12.8 | 13.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364223
CATALOG NUMBER: GSS-SB3A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | *1895.1* | 1895.1 | 1895.1 |
| 2.5° | 2055.0 | 2062.2 | 2070.1 | 2078.2 | 2082.9 | 2087.5 | 2092.5 | 2097.1 | *2101.5* | 2097.1 | 2092.5 |
| 5° | 2220.1 | 2252.6 | 2274.7 | 2296.8 | 2313.7 | 2330.5 | 2340.1 | 2350.0 | *2351.5* | 2350.0 | 2340.1 |
| 7.5° | 2367.2 | 2406.1 | 2439.8 | 2473.5 | 2495.0 | 2516.6 | 2529.0 | 2541.8 | *2546.2* | 2541.8 | 2529.0 |
| 10° | 2462.5 | 2508.4 | 2541.0 | 2573.8 | 2593.9 | 2613.6 | 2623.5 | 2633.4 | *2636.3* | 2633.4 | 2623.5 |
| 12.5° | 2505.8 | 2549.7 | 2575.0 | 2600.0 | 2612.8 | 2625.3 | 2629.9 | 2634.0 | *2630.5* | 2634.0 | 2629.9 |
| 15° | 2509.6 | 2535.2 | 2545.9 | 2556.4 | 2550.3 | 2543.9 | 2534.9 | 2525.9 | *2520.0* | 2525.9 | 2534.9 |
| 17.5° | 2498.5 | 2507.8 | 2488.4 | 2469.2 | 2434.3 | 2399.4 | 2373.3 | 2347.1 | *2328.2* | 2347.1 | 2373.3 |
| 20° | 2493.9 | 2479.3 | 2427.6 | 2376.2 | 2310.8 | 2245.4 | 2201.5 | 2157.3 | *2130.6* | 2157.3 | 2201.5 |
| 22.5° | 2487.8 | 2446.8 | 2359.9 | 2273.0 | 2183.5 | 2094.2 | 2043.6 | 1993.4 | *1964.9* | 1993.4 | 2043.6 |
| 25° | 2490.4 | 2419.8 | 2302.3 | 2185.2 | 2080.0 | 1975.0 | 1920.1 | 1865.5 | *1834.1* | 1865.5 | 1920.1 |
| 27.5° | 2499.7 | 2392.1 | 2246.8 | 2101.5 | 1987.5 | 1873.3 | 1821.0 | 1768.7 | *1741.1* | 1768.7 | 1821.0 |
| 30° | 2529.9 | 2386.9 | 2213.1 | 2039.0 | 1919.8 | 1800.7 | 1749.5 | 1698.0 | *1668.4* | 1698.0 | 1749.5 |
| 32.5° | 2572.4 | 2392.1 | 2197.4 | 2002.7 | 1881.2 | 1760.0 | 1710.8 | 1662.0 | *1636.4* | 1662.0 | 1710.8 |
| 35° | 2659.6 | 2431.4 | 2215.4 | 1999.8 | 1887.0 | 1774.5 | 1738.4 | 1702.7 | *1688.7* | 1702.7 | 1738.4 |
| 37.5° | 2792.7 | 2525.9 | 2303.5 | 2081.1 | 2004.4 | 1927.7 | 1927.7 | 1927.7 | *1938.7* | 1927.7 | 1927.7 |
| 40° | 3012.7 | 2713.3 | 2502.9 | 2292.7 | 2288.1 | 2284.0 | 2332.9 | 2382.0 | *2403.8* | 2382.0 | 2332.9 |
| 42.5° | 3350.2 | 3033.9 | 2864.2 | 2694.4 | 2796.2 | 2897.9 | 3039.2 | 3180.4 | *3272.9* | 3180.4 | 3039.2 |
| 45° | 3799.0 | 3490.8 | 3372.3 | 3254.0 | 3480.4 | 3706.5 | 3956.2 | 4205.9 | *4383.2* | 4205.9 | 3956.2 |
| 47.5° | 4269.2 | 4009.7 | 3942.0 | 3874.5 | 4250.9 | 4627.3 | 4993.3 | 5359.2 | *5574.9* | 5359.2 | 4993.3 |
| 50° | 4783.7 | 4550.3 | 4537.2 | 4524.2 | 5025.5 | 5526.9 | 5999.3 | 6471.6 | *6734.6* | 6471.6 | 5999.3 |
| 52.5° | 5387.1 | 5130.8 | 5141.2 | 5151.1 | 5746.7 | 6342.2 | 6913.4 | 7484.5 | *7781.0* | 7484.5 | 6913.4 |
| 55° | 6070.5 | 5749.3 | 5747.5 | 5745.8 | 6430.0 | 7114.8 | 7816.5 | 8518.7 | *8914.6* | 8518.7 | 7816.5 |
| 57.5° | 6853.8 | 6553.0 | 6481.5 | 6409.7 | 7125.3 | 7840.6 | 8615.5 | 9390.7 | *9806.9* | 9390.7 | 8615.5 |
| 60° | 7561.6 | 7395.9 | 7281.4 | 7167.1 | 7901.9 | 8637.0 | 9437.5 | 10237.7 | *10652.8* | 10237.7 | 9437.5 |
| 62.5° | 7786.5 | 8082.7 | 8074.3 | 8065.9 | 8859.1 | 9652.3 | 10484.8 | 11317.8 | *11690.4* | 11317.8 | 10484.8 |
| 65° | *7163.4* | *7635.7* | *7960.6* | *8285.3* | *9244.2* | *10202.8* | *11070.1* | *11937.5* | *12318.3* | *11937.5* | *11070.1* |
| 67.5° | 6357.4 | 6773.9 | 7039.8 | 7305.8 | 8386.2 | 9466.9 | 10451.0 | 11435.2 | *11827.0* | 11435.2 | 10451.0 |
| 70° | 5684.2 | 6145.2 | 6335.3 | 6525.4 | 7443.3 | 8360.9 | 9139.6 | 9918.0 | *10071.4* | 9918.0 | 9139.6 |
| 72.5° | 5031.6 | 5580.1 | 5660.6 | 5741.2 | 6409.1 | 7077.0 | 7491.8 | 7906.6 | *7571.7* | 7906.6 | 7491.8 |
| 75° | 4289.6 | 4907.8 | 4961.6 | 5015.4 | 5223.5 | 5431.9 | 5537.4 | 5643.2 | *5452.8* | 5643.2 | 5537.4 |
| 77.5° | 2977.0 | 3512.6 | 3633.3 | 3753.9 | 3892.5 | 4031.5 | 4024.2 | 4016.9 | *3749.5* | 4016.9 | 4024.2 |
| 80° | 1851.8 | 2270.7 | 2286.3 | 2302.0 | 2406.1 | 2509.9 | 2616.0 | 2722.0 | *2552.0* | 2722.0 | 2616.0 |
| 82.5° | 946.4 | 1176.6 | 1212.1 | 1247.5 | 1311.2 | 1374.8 | 1404.5 | 1434.4 | *1290.5* | 1434.4 | 1404.5 |
| 85° | 222.6 | 282.5 | 340.4 | 398.2 | 465.1 | 531.9 | 524.4 | 516.8 | *436.0* | 516.8 | 524.4 |
| 87.5° | 13.4 | 14.0 | 14.2 | 14.5 | 14.8 | 15.1 | 16.0 | 16.9 | *17.4* | 16.9 | 16.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | *0.0* | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1364223
CATALOG NUMBER: GSS-SB3A-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 | 1895.1 |
| 2.5° | 2087.5 | 2082.9 | 2078.2 | 2070.1 | 2062.2 | 2055.0 | 2047.7 |
| 5° | 2330.5 | 2313.7 | 2296.8 | 2274.7 | 2252.6 | 2220.1 | 2187.2 |
| 7.5° | 2516.6 | 2495.0 | 2473.5 | 2439.8 | 2406.1 | 2367.2 | 2328.2 |
| 10° | 2613.6 | 2593.9 | 2573.8 | 2541.0 | 2508.4 | 2462.5 | 2416.9 |
| 12.5° | 2625.3 | 2612.8 | 2600.0 | 2575.0 | 2549.7 | 2505.8 | 2461.9 |
| 15° | 2543.9 | 2550.3 | 2556.4 | 2545.9 | 2535.2 | 2509.6 | 2483.7 |
| 17.5° | 2399.4 | 2434.3 | 2469.2 | 2488.4 | 2507.8 | 2498.5 | 2489.5 |
| 20° | 2245.4 | 2310.8 | 2376.2 | 2427.6 | 2479.3 | 2493.9 | 2508.4 |
| 22.5° | 2094.2 | 2183.5 | 2273.0 | 2359.9 | 2446.8 | 2487.8 | 2528.8 |
| 25° | 1975.0 | 2080.0 | 2185.2 | 2302.3 | 2419.8 | 2490.4 | 2560.7 |
| 27.5° | 1873.3 | 1987.5 | 2101.5 | 2246.8 | 2392.1 | 2499.7 | 2607.2 |
| 30° | 1800.7 | 1919.8 | 2039.0 | 2213.1 | 2386.9 | 2529.9 | 2672.6 |
| 32.5° | 1760.0 | 1881.2 | 2002.7 | 2197.4 | 2392.1 | 2572.4 | 2752.6 |
| 35° | 1774.5 | 1887.0 | 1999.8 | 2215.4 | 2431.4 | 2659.6 | 2887.7 |
| 37.5° | 1927.7 | 2004.4 | 2081.1 | 2303.5 | 2525.9 | 2792.7 | 3059.2 |
| 40° | 2284.0 | 2288.1 | 2292.7 | 2502.9 | 2713.3 | 3012.7 | 3312.1 |
| 42.5° | 2897.9 | 2796.2 | 2694.4 | 2864.2 | 3033.9 | 3350.2 | 3666.7 |
| 45° | 3706.5 | 3480.4 | 3254.0 | 3372.3 | 3490.8 | 3799.0 | 4107.1 |
| 47.5° | 4627.3 | 4250.9 | 3874.5 | 3942.0 | 4009.7 | 4269.2 | 4528.5 |
| 50° | 5526.9 | 5025.5 | 4524.2 | 4537.2 | 4550.3 | 4783.7 | 5016.8 |
| 52.5° | 6342.2 | 5746.7 | 5151.1 | 5141.2 | 5130.8 | 5387.1 | 5643.2 |
| 55° | 7114.8 | 6430.0 | 5745.8 | 5747.5 | 5749.3 | 6070.5 | 6391.7 |
| 57.5° | 7840.6 | 7125.3 | 6409.7 | 6481.5 | 6553.0 | 6853.8 | 7154.6 |
| 60° | 8637.0 | 7901.9 | 7167.1 | 7281.4 | 7395.9 | 7561.6 | 7727.2 |
| 62.5° | 9652.3 | 8859.1 | 8065.9 | 8074.3 | 8082.7 | 7786.5 | 7490.4 |
| 65° | *10202.8* | *9244.2* | *8285.3* | *7960.6* | *7635.7* | *7163.4* | *6691.0* |
| 67.5° | 9466.9 | 8386.2 | 7305.8 | 7039.8 | 6773.9 | 6357.4 | 5941.1 |
| 70° | 8360.9 | 7443.3 | 6525.4 | 6335.3 | 6145.2 | 5684.2 | 5223.2 |
| 72.5° | 7077.0 | 6409.1 | 5741.2 | 5660.6 | 5580.1 | 5031.6 | 4483.5 |
| 75° | 5431.9 | 5223.5 | 5015.4 | 4961.6 | 4907.8 | 4289.6 | 3671.1 |
| 77.5° | 4031.5 | 3892.5 | 3753.9 | 3633.3 | 3512.6 | 2977.0 | 2441.6 |
| 80° | 2509.9 | 2406.1 | 2302.0 | 2286.3 | 2270.7 | 1851.8 | 1433.0 |
| 82.5° | 1374.8 | 1311.2 | 1247.5 | 1212.1 | 1176.6 | 946.4 | 716.5 |
| 85° | 531.9 | 465.1 | 398.2 | 340.4 | 282.5 | 222.6 | 162.8 |
| 87.5° | 15.1 | 14.8 | 14.5 | 14.2 | 14.0 | 13.4 | 13.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-5

Test Date: 10/10/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

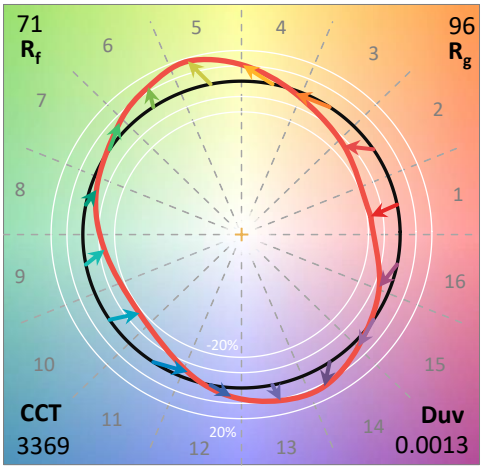
## Test Information

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

## Spectral Parameters

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

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




## Test Conditions

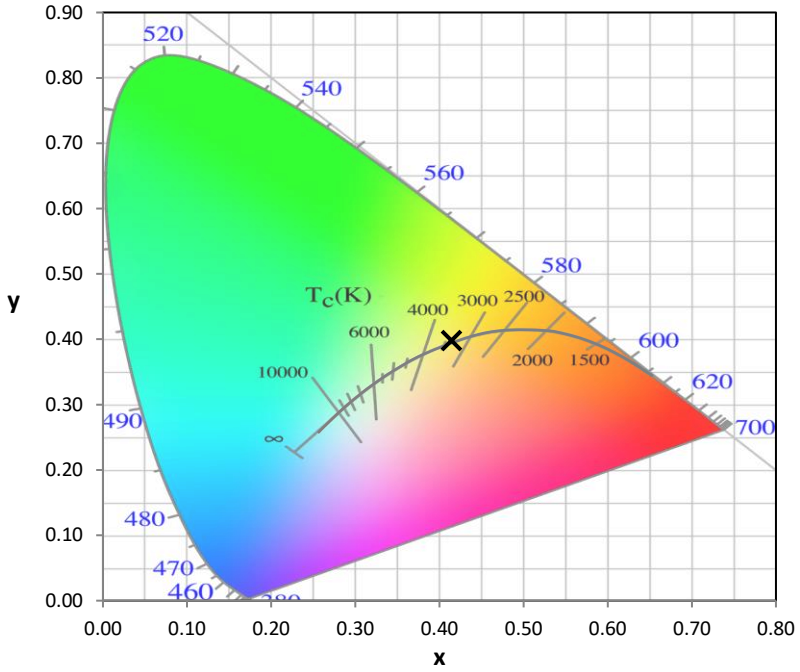
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-5

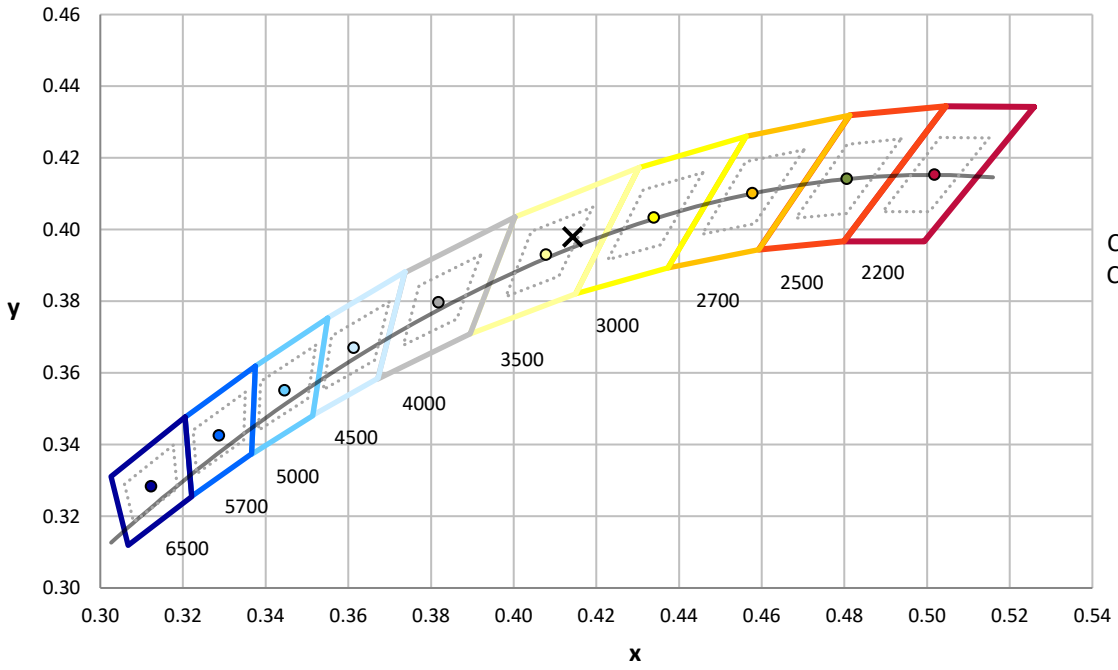
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

REPORT NUMBER: SP1-2407-184-5

## CIE 1931 Chromaticity Diagram




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

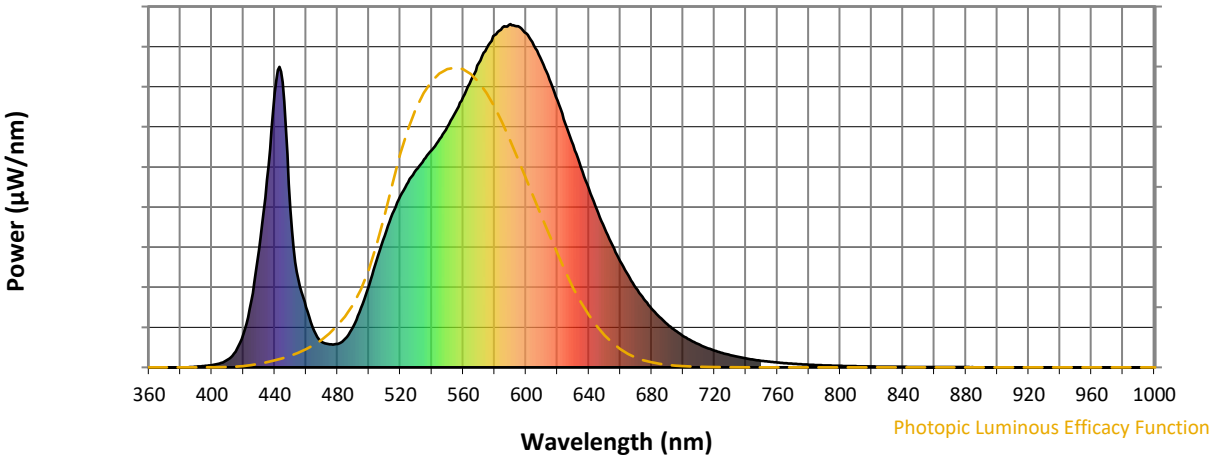



CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

## Photopic Flux vs. Wavelength

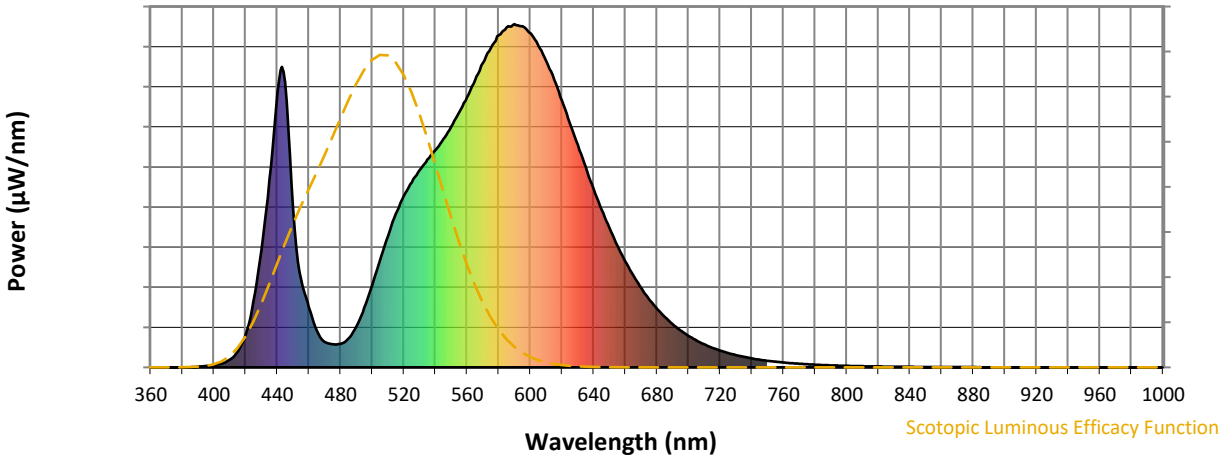



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 119 | NR | 620 | 778 | NR | 750 | 19 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 173 | NR | 625 | 711 | NR | 755 | 16 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 239 | NR | 630 | 648 | NR | 760 | 14 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 313 | NR | 635 | 582 | NR | 765 | 12 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 383 | NR | 640 | 520 | NR | 770 | 11 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 448 | NR | 645 | 460 | NR | 775 | 9 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 500 | NR | 650 | 406 | NR | 780 | 8 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 539 | NR | 655 | 355 | NR | 785 | 7 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 575 | NR | 660 | 309 | NR | 790 | 6 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 606 | NR | 665 | 269 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 22 | NR | 540 | 633 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 45 | NR | 545 | 666 | NR | 675 | 199 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 96 | NR | 550 | 701 | NR | 680 | 171 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 193 | NR | 555 | 743 | NR | 685 | 147 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 341 | NR | 560 | 788 | NR | 690 | 126 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 547 | NR | 565 | 837 | NR | 695 | 107 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 799 | NR | 570 | 887 | NR | 700 | 92 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 831 | NR | 575 | 931 | NR | 705 | 78 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 461 | NR | 580 | 967 | NR | 710 | 67 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 256 | NR | 585 | 990 | NR | 715 | 57 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 176 | NR | 590 | 1000 | NR | 720 | 49 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 994 | NR | 725 | 42 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 74 | NR | 600 | 973 | NR | 730 | 36 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 67 | NR | 605 | 938 | NR | 735 | 31 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 68 | NR | 610 | 892 | NR | 740 | 26 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 84 | NR | 615 | 838 | NR | 745 | 22 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-5

## Scotopic Flux vs. Wavelength

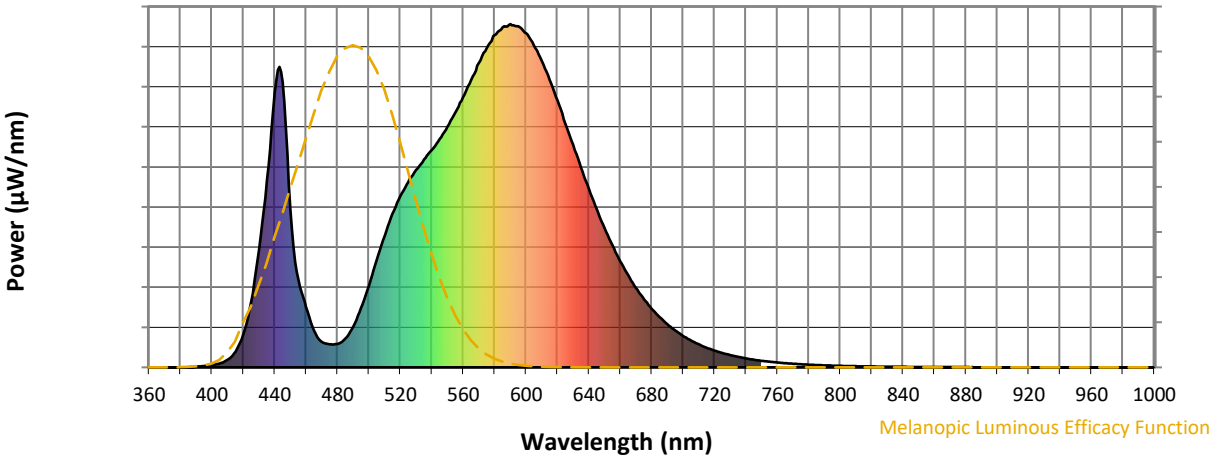



**Scotopic Lumens: NR** **S/P: 1.29**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 119 | NR | 620 | 778 | NR | 750 | 19 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 173 | NR | 625 | 711 | NR | 755 | 16 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 239 | NR | 630 | 648 | NR | 760 | 14 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 313 | NR | 635 | 582 | NR | 765 | 12 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 383 | NR | 640 | 520 | NR | 770 | 11 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 448 | NR | 645 | 460 | NR | 775 | 9 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 500 | NR | 650 | 406 | NR | 780 | 8 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 539 | NR | 655 | 355 | NR | 785 | 7 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 575 | NR | 660 | 309 | NR | 790 | 6 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 606 | NR | 665 | 269 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 22 | NR | 540 | 633 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 45 | NR | 545 | 666 | NR | 675 | 199 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 96 | NR | 550 | 701 | NR | 680 | 171 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 193 | NR | 555 | 743 | NR | 685 | 147 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 341 | NR | 560 | 788 | NR | 690 | 126 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 547 | NR | 565 | 837 | NR | 695 | 107 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 799 | NR | 570 | 887 | NR | 700 | 92 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 831 | NR | 575 | 931 | NR | 705 | 78 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 461 | NR | 580 | 967 | NR | 710 | 67 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 256 | NR | 585 | 990 | NR | 715 | 57 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 176 | NR | 590 | 1000 | NR | 720 | 49 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 994 | NR | 725 | 42 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 74 | NR | 600 | 973 | NR | 730 | 36 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 67 | NR | 605 | 938 | NR | 735 | 31 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 68 | NR | 610 | 892 | NR | 740 | 26 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 84 | NR | 615 | 838 | NR | 745 | 22 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-5

## Melanopic Flux vs. Wavelength




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

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 119 | NR | 620 | 778 | NR | 750 | 19 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 173 | NR | 625 | 711 | NR | 755 | 16 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 239 | NR | 630 | 648 | NR | 760 | 14 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 313 | NR | 635 | 582 | NR | 765 | 12 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 383 | NR | 640 | 520 | NR | 770 | 11 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 448 | NR | 645 | 460 | NR | 775 | 9 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 500 | NR | 650 | 406 | NR | 780 | 8 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 539 | NR | 655 | 355 | NR | 785 | 7 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 575 | NR | 660 | 309 | NR | 790 | 6 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 606 | NR | 665 | 269 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 22 | NR | 540 | 633 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 45 | NR | 545 | 666 | NR | 675 | 199 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 96 | NR | 550 | 701 | NR | 680 | 171 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 193 | NR | 555 | 743 | NR | 685 | 147 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 341 | NR | 560 | 788 | NR | 690 | 126 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 547 | NR | 565 | 837 | NR | 695 | 107 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 799 | NR | 570 | 887 | NR | 700 | 92 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 831 | NR | 575 | 931 | NR | 705 | 78 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 461 | NR | 580 | 967 | NR | 710 | 67 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 256 | NR | 585 | 990 | NR | 715 | 57 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 176 | NR | 590 | 1000 | NR | 720 | 49 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 994 | NR | 725 | 42 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 74 | NR | 600 | 973 | NR | 730 | 36 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 67 | NR | 605 | 938 | NR | 735 | 31 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 68 | NR | 610 | 892 | NR | 740 | 26 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 84 | NR | 615 | 838 | NR | 745 | 22 | NR | 875 | 1 | NR | | | |

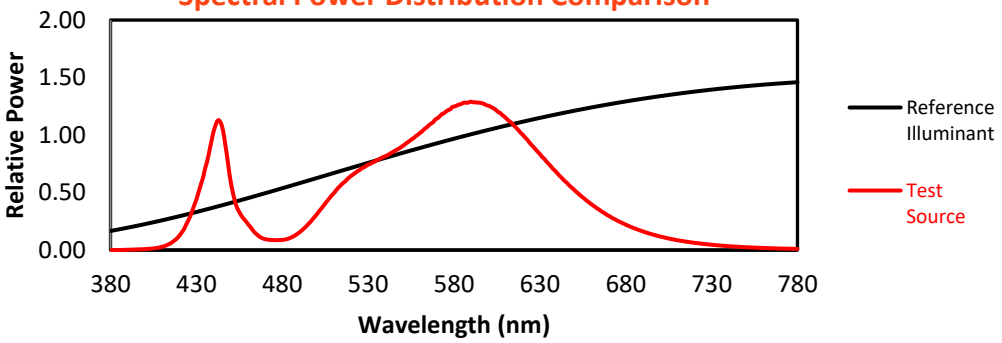
REPORT NUMBER: SP1-2407-184-5

# TM-30-18

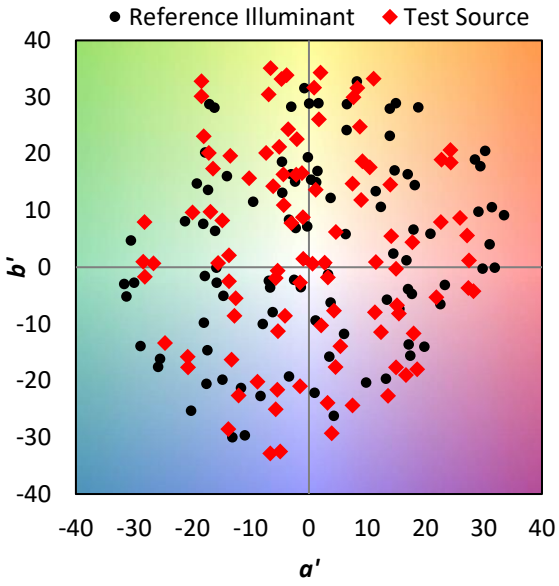
## Summary

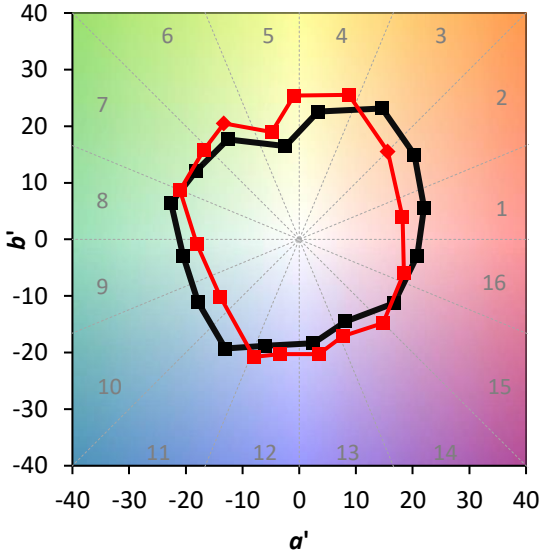
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$R_g$ = 96
CIE $R_a$ = 70.1
$R_9$ = -40.2

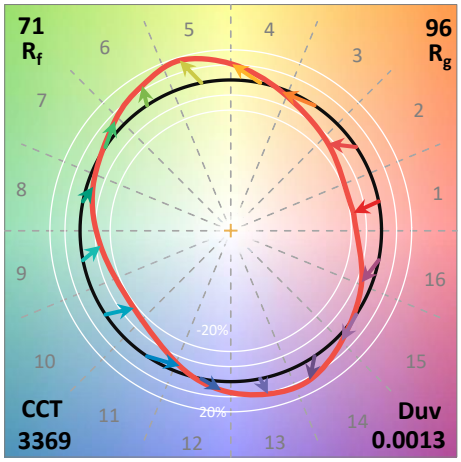
## Spectral Power Distribution Comparison

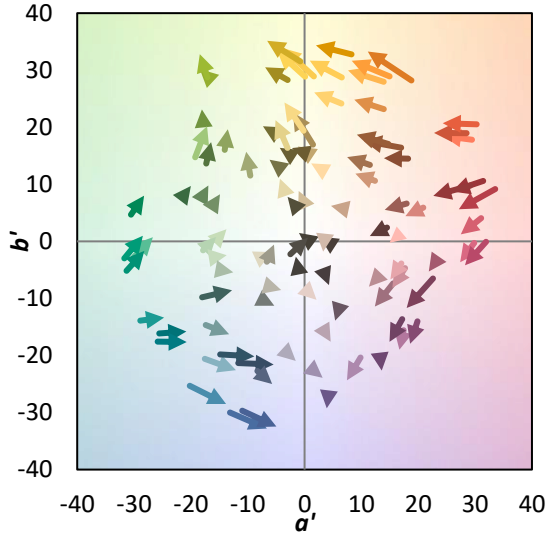



## Color Vector Graphics



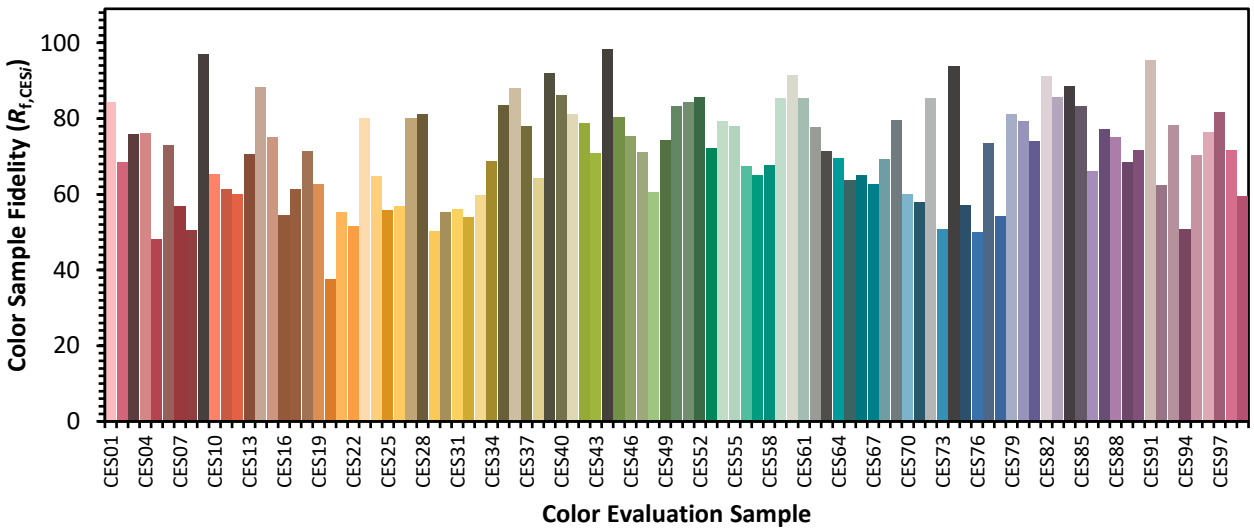



REPORT NUMBER: SP1-2407-184-5

# TM-30-18

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

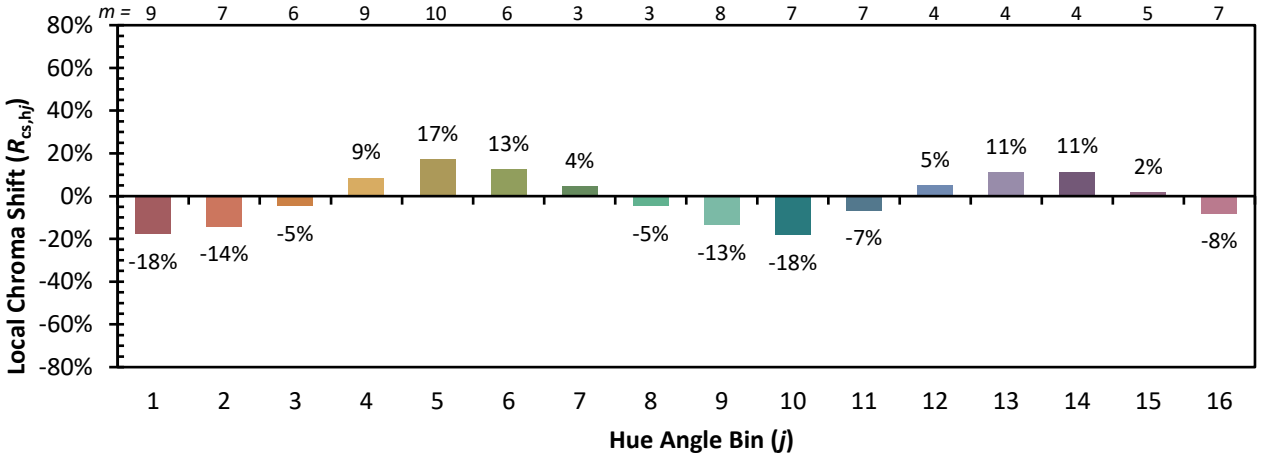
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 57 | CES51 = 84 | CES76 = 50 |
| CES02 = 62 | CES27 = 80 | CES52 = 86 | CES77 = 74 |
| CES03 = 31 | CES28 = 81 | CES53 = 72 | CES78 = 54 |
| CES04 = 70 | CES29 = 50 | CES54 = 79 | CES79 = 81 |
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| CES06 = 51 | CES31 = 56 | CES56 = 67 | CES81 = 74 |
| CES07 = 40 | CES32 = 54 | CES57 = 65 | CES82 = 91 |
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| CES17 = 50 | CES42 = 79 | CES67 = 63 | CES92 = 62 |
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| CES19 = 72 | CES44 = 98 | CES69 = 80 | CES94 = 51 |
| CES20 = 65 | CES45 = 80 | CES70 = 60 | CES95 = 70 |
| CES21 = 87 | CES46 = 75 | CES71 = 58 | CES96 = 76 |
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| CES23 = 92 | CES48 = 61 | CES73 = 51 | CES98 = 72 |
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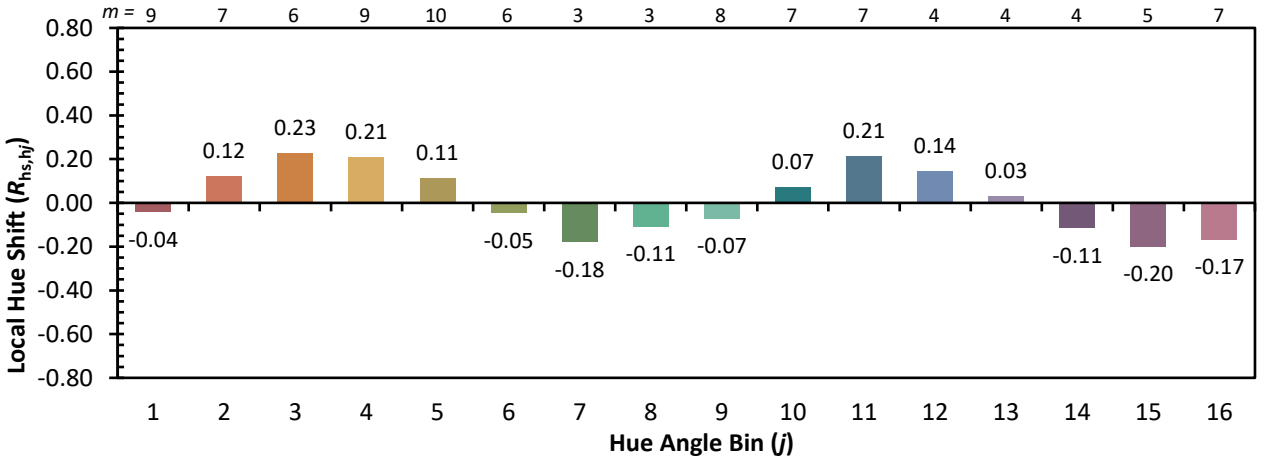


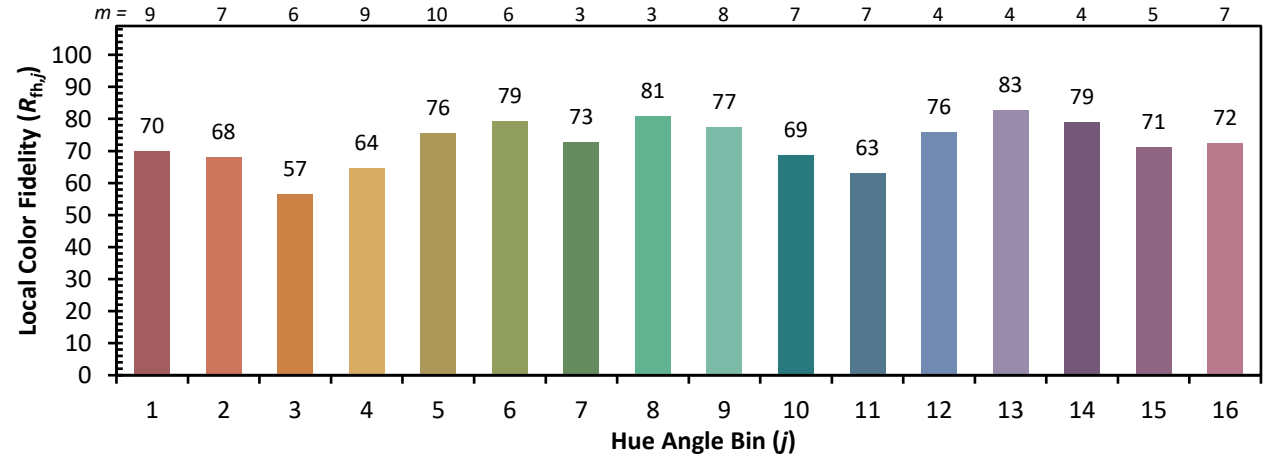
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## Color Rendition by Hue-Angle Bin



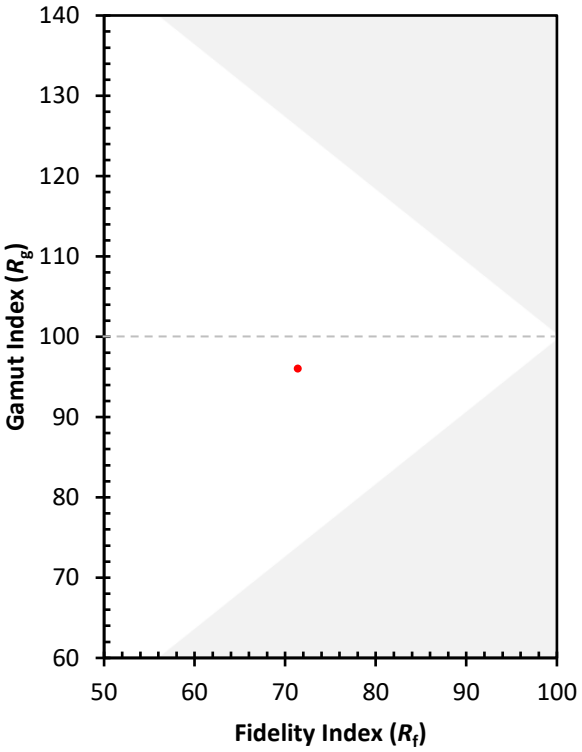



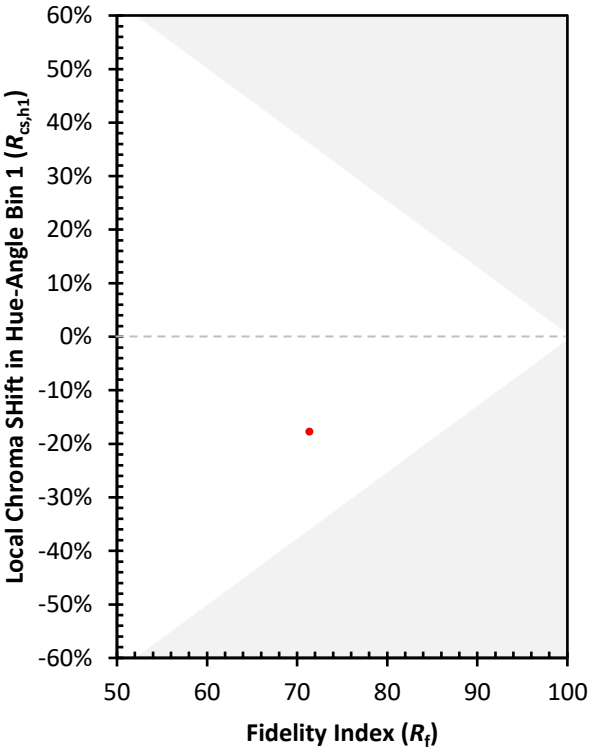



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## Measure Comparisons




(END OF REPORT)