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: P1364607

Luminaire Tested: **GSS-SB3A-735-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364607 |
| 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-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD |
| Light Source: | (78) 3500K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9465.2 lumens |
| Efficiency: | N/A |
| Efficacy: | 111.4 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B1 - U0 - G2 |

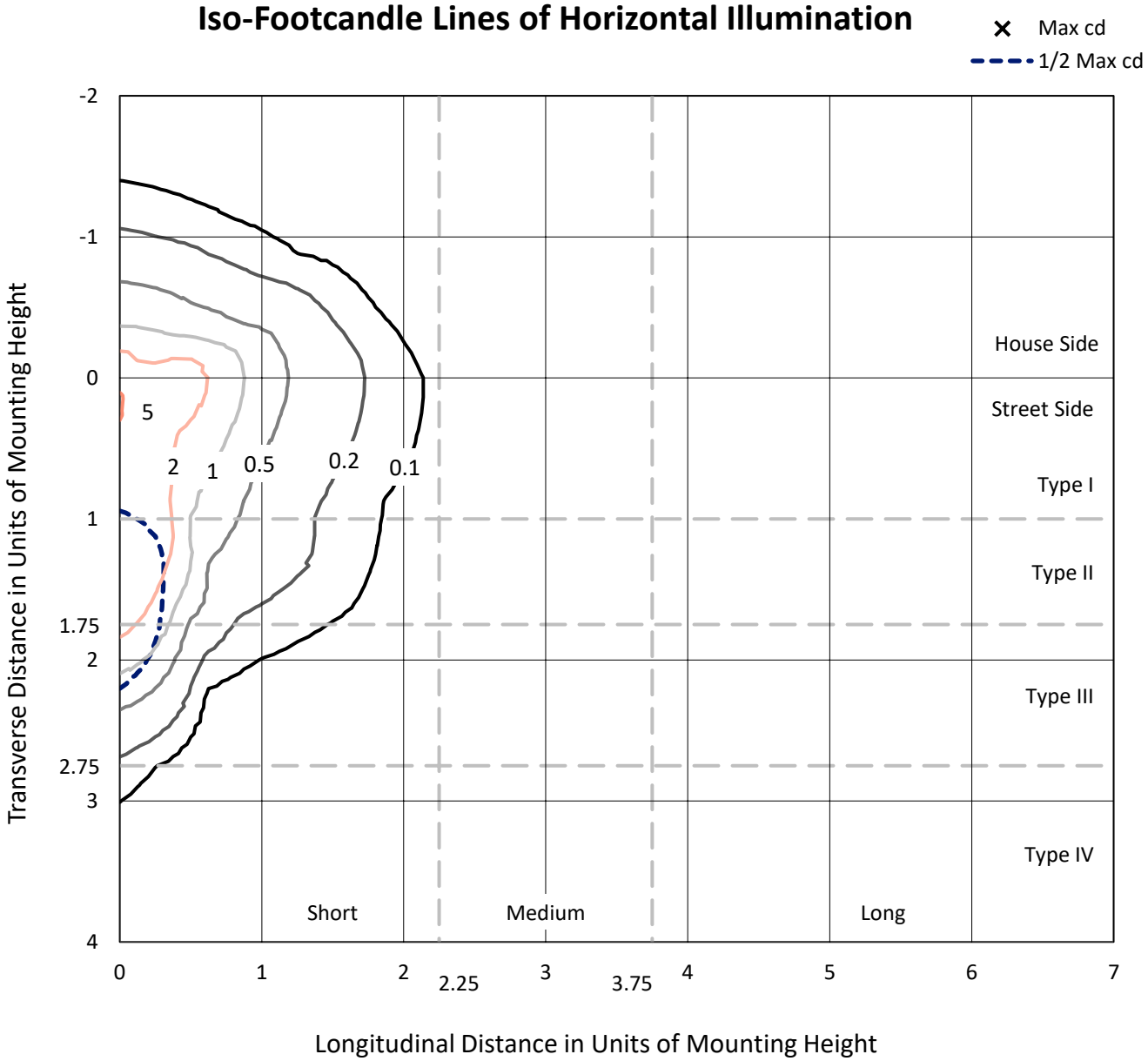
| | |
|---|---|
| Input Watts (W): | 85 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 11.0% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



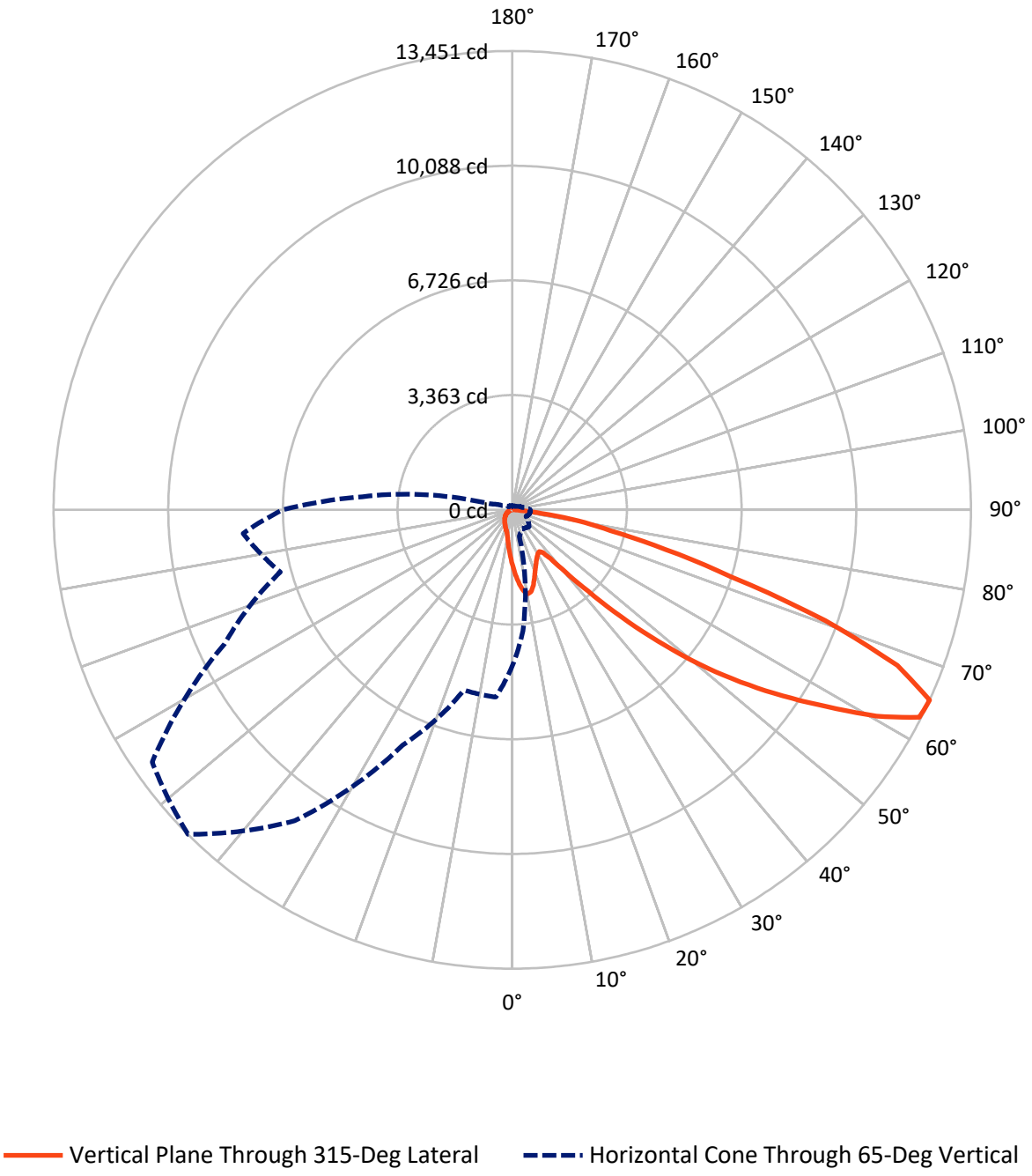

Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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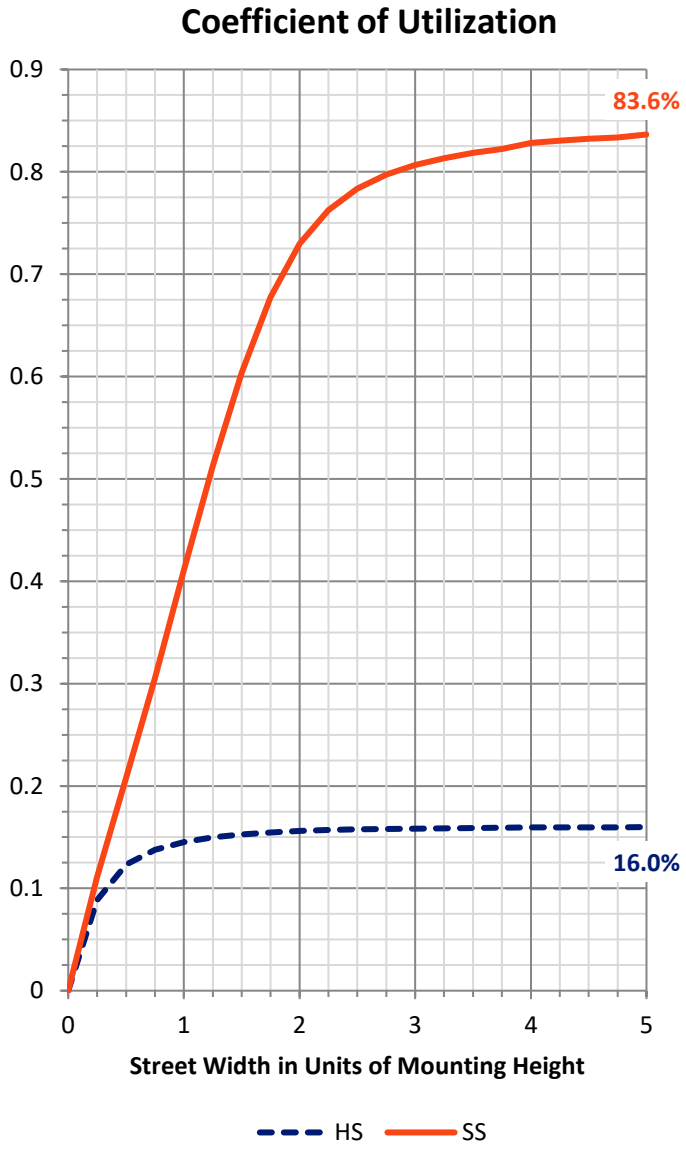
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1530.1 | 0.0 | 1530.1 |
| | % Fixture | 16.2 | 0.0 | 16.2 |
| **Street Side** | Lumens | 7935.1 | 0.0 | 7935.1 |
| | % Fixture | 83.8 | 0.0 | 83.8 |
| **Total** | Lumens | 9465.2 | 0.0 | 9465.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 157.3 | 1.7 |
| 10°-20° | 434.9 | 4.6 |
| 20°-30° | 622.9 | 6.6 |
| 30°-40° | 781.3 | 8.3 |
| 40°-50° | 1283.5 | 13.6 |
| 50°-60° | 2316.1 | 24.5 |
| 60°-70° | 2570.4 | 27.2 |
| 70°-80° | 1161.3 | 12.3 |
| 80°-90° | 137.3 | 1.5 |
| 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° | 9465.2 | 100.0 |
| 0°-180° | 9465.2 | 100.0 |



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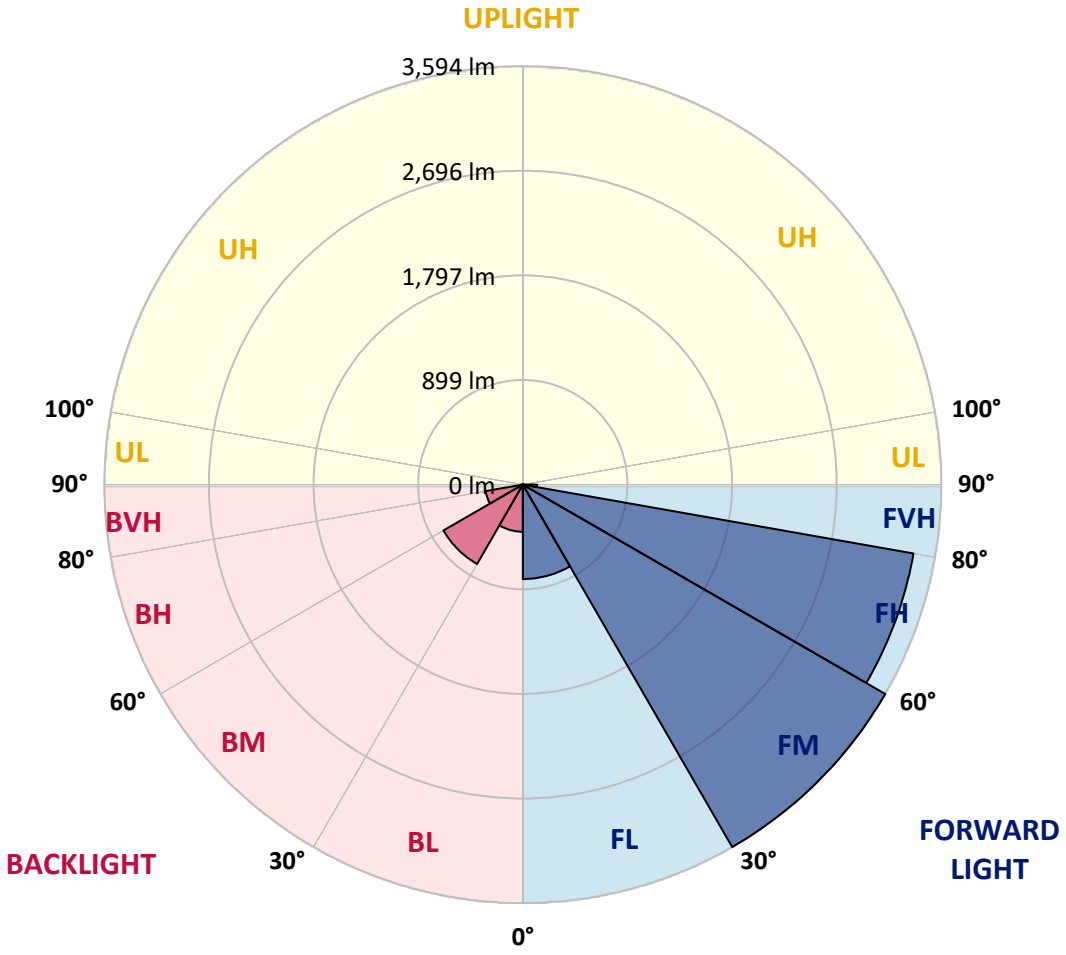
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 810.8 | 8.6 | | | |
| FM | (30°-60°) | 3594.2 | 38.0 | | | |
| FH | (60°-80°) | 3406.8 | 36.0 | | | G2/5000 |
| FVH | (80°-90°) | 123.3 | 1.3 | | | G2/225 |
| BL | (0°-30°) | 404.3 | 4.3 | B1/500 | | |
| BM | (30°-60°) | 786.8 | 8.3 | B1/1000 | | |
| BH | (60°-80°) | 324.9 | 3.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 14.0 | 0.1 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G2**
Type III Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 |
| 2.5° | 1845.6 | 1843.9 | 1836.9 | 1793.3 | 1749.7 | 1711.9 | 1674.1 | 1636.3 | 1584.0 | 1543.3 | 1508.4 |
| 5° | 2020.0 | 2010.7 | 1973.5 | 1906.6 | 1834.0 | 1770.0 | 1697.4 | 1627.6 | 1549.1 | 1485.2 | 1418.3 |
| 7.5° | 2139.1 | 2129.8 | 2092.6 | 1982.2 | 1871.8 | 1793.3 | 1714.8 | 1642.1 | 1555.0 | 1470.7 | 1374.8 |
| 10° | 2194.4 | 2183.9 | 2142.1 | 2022.9 | 1895.0 | 1799.1 | 1720.6 | 1653.8 | 1581.1 | 1496.8 | 1377.7 |
| 12.5° | 2232.2 | 2219.4 | 2168.2 | 2031.6 | 1900.8 | 1804.9 | 1723.5 | 1659.6 | 1607.3 | 1557.9 | 1441.6 |
| 15° | 2255.4 | 2243.8 | 2197.3 | 2054.9 | 1903.7 | 1796.2 | 1700.3 | 1639.2 | 1621.8 | 1630.5 | 1575.3 |
| 17.5° | 2290.3 | 2279.2 | 2235.1 | 2083.9 | 1921.2 | 1781.7 | 1650.9 | 1584.0 | 1621.8 | 1700.3 | 1717.7 |
| 20° | 2336.8 | 2325.2 | 2278.7 | 2121.7 | 1935.7 | 1738.1 | 1557.9 | 1493.9 | 1589.8 | 1720.6 | 1810.7 |
| 22.5° | 2389.1 | 2379.8 | 2342.6 | 2165.3 | 1950.2 | 1674.1 | 1435.8 | 1406.7 | 1523.0 | 1662.5 | 1778.7 |
| 25° | 2453.0 | 2444.3 | 2409.4 | 2226.3 | 1964.8 | 1586.9 | 1331.2 | 1337.0 | 1435.8 | 1546.2 | 1665.4 |
| 27.5° | 2540.2 | 2532.1 | 2499.5 | 2301.9 | 1982.2 | 1496.8 | 1246.9 | 1275.9 | 1348.6 | 1424.2 | 1496.8 |
| 30° | 2636.1 | 2629.8 | 2604.2 | 2392.0 | 2017.1 | 1412.5 | 1197.5 | 1214.9 | 1264.3 | 1325.3 | 1368.9 |
| 32.5° | 2766.9 | 2756.5 | 2714.6 | 2476.3 | 2014.2 | 1348.6 | 1174.2 | 1156.8 | 1171.3 | 1220.7 | 1264.3 |
| 35° | 2929.7 | 2921.6 | 2889.0 | 2563.5 | 1961.9 | 1290.5 | 1162.6 | 1101.5 | 1092.8 | 1121.9 | 1165.5 |
| 37.5° | 3168.0 | 3161.1 | 3133.2 | 2705.9 | 1880.5 | 1217.8 | 1133.5 | 1043.4 | 1014.4 | 1034.7 | 1063.8 |
| 40° | 3525.5 | 3507.5 | 3435.4 | 2868.7 | 1790.4 | 1145.1 | 1081.2 | 973.7 | 933.0 | 947.5 | 979.5 |
| 42.5° | 4010.9 | 3976.6 | 3839.4 | 3086.6 | 1668.3 | 1075.4 | 1002.7 | 903.9 | 860.3 | 869.0 | 898.1 |
| 45° | 4632.9 | 4581.1 | 4374.2 | 3386.0 | 1540.4 | 1020.2 | 921.3 | 831.2 | 784.7 | 793.5 | 825.4 |
| 47.5° | 5359.5 | 5288.6 | 5004.9 | 3699.9 | 1403.8 | 988.2 | 857.4 | 758.6 | 723.7 | 744.1 | 776.0 |
| 50° | 6216.9 | 6145.4 | 5859.4 | 3900.5 | 1293.4 | 967.8 | 808.0 | 691.7 | 677.2 | 703.4 | 729.5 |
| 52.5° | 7152.8 | 7051.0 | 6644.1 | 3772.6 | 1203.3 | 950.4 | 790.6 | 645.2 | 651.0 | 671.4 | 697.5 |
| 55° | 8062.5 | 7836.4 | 6931.9 | 3348.2 | 1087.0 | 930.1 | 802.2 | 610.4 | 624.9 | 651.0 | 671.4 |
| 57.5° | 8655.4 | 8262.5 | 6690.6 | 2697.2 | 964.9 | 906.8 | 810.9 | 592.9 | 604.5 | 633.6 | 656.9 |
| 60° | 8138.1 | 7742.8 | 6161.7 | 2020.0 | 860.3 | 857.4 | 796.4 | 587.1 | 569.7 | 610.4 | 630.7 |
| 62.5° | 6667.4 | 6341.9 | 5039.8 | 1290.5 | 761.5 | 764.4 | 764.4 | 584.2 | 511.5 | 563.9 | 581.3 |
| 65° | *4580.6* | *4377.1* | *3563.3* | *799.3* | *622.0* | *651.0* | *694.6* | *566.8* | *450.5* | *511.5* | *529.0* |
| 67.5° | 3011.1 | 2861.7 | 2264.1 | 494.1 | 479.6 | 534.8 | 601.6 | 531.9 | 404.0 | 459.2 | 470.8 |
| 70° | 1633.4 | 1520.1 | 1066.7 | 325.5 | 313.9 | 418.5 | 473.8 | 450.5 | 363.3 | 409.8 | 421.4 |
| 72.5° | 1078.3 | 985.3 | 613.3 | 229.6 | 229.6 | 328.4 | 331.3 | 369.1 | 325.5 | 363.3 | 374.9 |
| 75° | 810.9 | 727.8 | 395.3 | 159.9 | 177.3 | 209.3 | 258.7 | 264.5 | 273.2 | 308.1 | 322.6 |
| 77.5° | 372.0 | 326.7 | 145.3 | 95.9 | 130.8 | 145.3 | 197.6 | 168.6 | 203.5 | 229.6 | 235.4 |
| 80° | 215.1 | 188.3 | 81.4 | 63.9 | 84.3 | 93.0 | 162.8 | 98.8 | 122.1 | 162.8 | 171.5 |
| 82.5° | 90.1 | 80.2 | 40.7 | 43.6 | 52.3 | 55.2 | 90.1 | 69.8 | 78.5 | 107.5 | 104.6 |
| 85° | 26.2 | 26.2 | 26.2 | 29.1 | 32.0 | 32.0 | 52.3 | 49.4 | 46.5 | 49.4 | 49.4 |
| 87.5° | 17.4 | 17.4 | 17.4 | 17.4 | 20.3 | 20.3 | 23.3 | 26.2 | 29.1 | 29.1 | 29.1 |
| 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 |
| 2.5° | 1493.9 | 1473.6 | 1447.4 | 1409.6 | 1403.8 | 1383.5 | 1368.9 | 1383.5 | 1398.0 | 1424.2 | 1427.1 |
| 5° | 1383.5 | 1351.5 | 1290.5 | 1244.0 | 1191.6 | 1165.5 | 1162.6 | 1156.8 | 1174.2 | 1212.0 | 1235.2 |
| 7.5° | 1322.4 | 1270.1 | 1159.7 | 1078.3 | 1005.6 | 979.5 | 959.1 | 976.6 | 973.7 | 1023.1 | 1043.4 |
| 10° | 1307.9 | 1226.5 | 1072.5 | 950.4 | 860.3 | 825.4 | 805.1 | 802.2 | 808.0 | 837.1 | 857.4 |
| 12.5° | 1360.2 | 1255.6 | 1037.6 | 857.4 | 752.8 | 715.0 | 691.7 | 671.4 | 671.4 | 677.2 | 703.4 |
| 15° | 1476.5 | 1351.5 | 1057.9 | 813.8 | 700.5 | 651.0 | 613.3 | 587.1 | 566.8 | 569.7 | 572.6 |
| 17.5° | 1639.2 | 1491.0 | 1110.3 | 799.3 | 668.5 | 616.2 | 569.7 | 543.5 | 520.3 | 514.4 | 514.4 |
| 20° | 1767.1 | 1624.7 | 1151.0 | 787.6 | 642.3 | 575.5 | 534.8 | 511.5 | 491.2 | 482.5 | 482.5 |
| 22.5° | 1781.7 | 1679.9 | 1185.8 | 773.1 | 610.4 | 534.8 | 497.0 | 476.7 | 462.1 | 459.2 | 459.2 |
| 25° | 1685.7 | 1636.3 | 1174.2 | 755.7 | 578.4 | 497.0 | 467.9 | 450.5 | 436.0 | 433.1 | 436.0 |
| 27.5° | 1525.9 | 1499.7 | 1133.5 | 732.4 | 552.2 | 467.9 | 441.8 | 427.2 | 412.7 | 409.8 | 412.7 |
| 30° | 1383.5 | 1354.4 | 1063.8 | 694.6 | 531.9 | 444.7 | 415.6 | 401.1 | 386.6 | 386.6 | 389.5 |
| 32.5° | 1267.2 | 1238.1 | 994.0 | 651.0 | 505.7 | 418.5 | 392.4 | 377.8 | 363.3 | 363.3 | 369.1 |
| 35° | 1162.6 | 1139.3 | 938.8 | 607.4 | 479.6 | 395.3 | 366.2 | 354.6 | 343.0 | 340.1 | 345.9 |
| 37.5° | 1072.5 | 1060.9 | 889.4 | 560.9 | 453.4 | 372.0 | 345.9 | 334.2 | 319.7 | 316.8 | 322.6 |
| 40° | 985.3 | 979.5 | 834.2 | 520.3 | 421.4 | 348.8 | 322.6 | 311.0 | 293.6 | 293.6 | 299.4 |
| 42.5° | 903.9 | 901.0 | 784.7 | 494.1 | 392.4 | 325.5 | 296.5 | 284.8 | 270.3 | 270.3 | 276.1 |
| 45° | 840.0 | 837.1 | 738.2 | 479.6 | 363.3 | 299.4 | 273.2 | 258.7 | 247.0 | 250.0 | 255.8 |
| 47.5° | 781.8 | 776.0 | 688.8 | 482.5 | 348.8 | 281.9 | 247.0 | 232.5 | 223.8 | 229.6 | 238.3 |
| 50° | 735.3 | 729.5 | 654.0 | 485.4 | 325.5 | 258.7 | 226.7 | 212.2 | 206.4 | 215.1 | 223.8 |
| 52.5° | 706.3 | 700.5 | 619.1 | 467.9 | 296.5 | 241.2 | 206.4 | 197.6 | 197.6 | 206.4 | 212.2 |
| 55° | 677.2 | 671.4 | 560.9 | 430.2 | 264.5 | 223.8 | 191.8 | 186.0 | 186.0 | 194.7 | 200.5 |
| 57.5° | 659.8 | 648.1 | 499.9 | 386.6 | 238.3 | 203.5 | 177.3 | 177.3 | 177.3 | 180.2 | 183.1 |
| 60° | 633.6 | 604.5 | 436.0 | 331.3 | 218.0 | 183.1 | 165.7 | 162.8 | 162.8 | 159.9 | 162.8 |
| 62.5° | 578.4 | 529.0 | 366.2 | 281.9 | 194.7 | 165.7 | 151.1 | 148.2 | 139.5 | 130.8 | 133.7 |
| 65° | *523.2* | *447.6* | *290.6* | *235.4* | *168.6* | *142.4* | *133.7* | *130.8* | *116.3* | *104.6* | *107.5* |
| 67.5° | 453.4 | 357.5 | 218.0 | 197.6 | 145.3 | 122.1 | 113.4 | 113.4 | 104.6 | 95.9 | 95.9 |
| 70° | 404.0 | 279.0 | 183.1 | 148.2 | 116.3 | 95.9 | 95.9 | 101.7 | 93.0 | 81.4 | 81.4 |
| 72.5° | 357.5 | 226.7 | 148.2 | 119.2 | 90.1 | 75.6 | 81.4 | 84.3 | 75.6 | 66.8 | 66.8 |
| 75° | 305.2 | 177.3 | 116.3 | 93.0 | 66.8 | 58.1 | 61.0 | 66.8 | 61.0 | 52.3 | 55.2 |
| 77.5° | 220.9 | 122.1 | 78.5 | 61.0 | 49.4 | 43.6 | 46.5 | 46.5 | 43.6 | 40.7 | 40.7 |
| 80° | 154.0 | 81.4 | 52.3 | 40.7 | 34.9 | 32.0 | 32.0 | 29.1 | 29.1 | 32.0 | 32.0 |
| 82.5° | 93.0 | 58.1 | 37.8 | 32.0 | 26.2 | 20.3 | 20.3 | 23.3 | 23.3 | 26.2 | 26.2 |
| 85° | 40.7 | 34.9 | 26.2 | 23.3 | 17.4 | 14.5 | 17.4 | 17.4 | 20.3 | 23.3 | 23.3 |
| 87.5° | 26.2 | 26.2 | 20.3 | 17.4 | 14.5 | 11.6 | 11.6 | 14.5 | 14.5 | 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):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 |
| 2.5° | 1438.7 | 1467.8 | 1502.6 | 1552.0 | 1595.6 | 1648.0 | 1700.3 | 1749.7 | 1796.2 | 1802.0 | 1822.3 |
| 5° | 1252.7 | 1307.9 | 1377.7 | 1459.0 | 1557.9 | 1662.5 | 1764.2 | 1871.8 | 1958.9 | 1990.9 | 2037.4 |
| 7.5° | 1060.9 | 1130.6 | 1232.3 | 1357.3 | 1496.8 | 1653.8 | 1810.7 | 1961.9 | 2092.6 | 2153.7 | 2214.7 |
| 10° | 877.7 | 944.6 | 1069.6 | 1220.7 | 1400.9 | 1613.1 | 1822.3 | 2025.8 | 2185.6 | 2255.4 | 2313.5 |
| 12.5° | 712.1 | 778.9 | 880.7 | 1055.0 | 1273.0 | 1528.8 | 1804.9 | 2049.0 | 2226.3 | 2299.0 | 2354.2 |
| 15° | 581.3 | 636.5 | 732.4 | 895.2 | 1124.8 | 1412.5 | 1743.9 | 2031.6 | 2235.1 | 2304.8 | 2345.5 |
| 17.5° | 511.5 | 526.1 | 587.1 | 735.3 | 985.3 | 1307.9 | 1665.4 | 2008.4 | 2240.9 | 2304.8 | 2328.1 |
| 20° | 482.5 | 482.5 | 494.1 | 572.6 | 816.7 | 1197.5 | 1607.3 | 1993.8 | 2249.6 | 2313.5 | 2310.6 |
| 22.5° | 456.3 | 462.1 | 462.1 | 479.6 | 622.0 | 1043.4 | 1546.2 | 1988.0 | 2275.7 | 2325.2 | 2284.5 |
| 25° | 433.1 | 441.8 | 441.8 | 447.6 | 488.3 | 860.3 | 1470.7 | 1999.6 | 2322.3 | 2348.4 | 2267.0 |
| 27.5° | 412.7 | 421.4 | 421.4 | 427.2 | 436.0 | 639.4 | 1345.7 | 2002.5 | 2374.6 | 2377.5 | 2243.8 |
| 30° | 392.4 | 401.1 | 406.9 | 406.9 | 412.7 | 470.8 | 1188.7 | 1985.1 | 2432.7 | 2415.3 | 2240.9 |
| 32.5° | 369.1 | 380.7 | 383.7 | 389.5 | 392.4 | 409.8 | 985.3 | 1956.0 | 2505.4 | 2467.6 | 2243.8 |
| 35° | 348.8 | 363.3 | 366.2 | 366.2 | 372.0 | 389.5 | 787.6 | 1924.1 | 2604.2 | 2537.3 | 2255.4 |
| 37.5° | 328.4 | 340.1 | 343.0 | 345.9 | 351.7 | 369.1 | 624.9 | 1877.6 | 2688.5 | 2624.5 | 2313.5 |
| 40° | 305.2 | 319.7 | 322.6 | 325.5 | 331.3 | 348.8 | 537.7 | 1819.4 | 2816.3 | 2769.8 | 2400.7 |
| 42.5° | 281.9 | 296.5 | 302.3 | 305.2 | 308.1 | 331.3 | 491.2 | 1778.7 | 3022.7 | 2973.3 | 2578.0 |
| 45° | 261.6 | 276.1 | 281.9 | 281.9 | 287.7 | 319.7 | 450.5 | 1868.8 | 3307.5 | 3284.3 | 2816.3 |
| 47.5° | 244.1 | 258.7 | 261.6 | 261.6 | 264.5 | 302.3 | 415.6 | 2110.1 | 3743.5 | 3682.5 | 3188.4 |
| 50° | 229.6 | 241.2 | 247.0 | 241.2 | 244.1 | 287.7 | 436.0 | 2508.3 | 4301.5 | 4321.9 | 3734.8 |
| 52.5° | 218.0 | 229.6 | 232.5 | 220.9 | 220.9 | 267.4 | 462.1 | 2833.8 | 5013.6 | 5199.6 | 4600.9 |
| 55° | 203.5 | 215.1 | 218.0 | 203.5 | 203.5 | 235.4 | 401.1 | 2854.1 | 5824.5 | 6423.3 | 5728.6 |
| 57.5° | 188.9 | 200.5 | 200.5 | 188.9 | 186.0 | 203.5 | 325.5 | 2531.5 | 6452.3 | 7809.6 | 7271.9 |
| 60° | 171.5 | 183.1 | 180.2 | 174.4 | 168.6 | 186.0 | 299.4 | 1929.9 | 6368.0 | 8713.5 | 9042.0 |
| 62.5° | 139.5 | 156.9 | 162.8 | 159.9 | 148.2 | 168.6 | 279.0 | 1258.5 | 5510.6 | 7928.8 | 8986.7 |
| 65° | *116.3* | *130.8* | *139.5* | *139.5* | *130.8* | *186.0* | *244.1* | *662.7* | *4412.0* | *6728.4* | *7923.0* |
| 67.5° | 101.7 | 116.3 | 122.1 | 119.2 | 113.4 | 165.7 | 154.0 | 319.7 | 3383.1 | 5798.4 | 7091.7 |
| 70° | 90.1 | 101.7 | 107.5 | 98.8 | 93.0 | 133.7 | 110.4 | 188.9 | 2264.1 | 4839.2 | 6315.7 |
| 72.5° | 72.7 | 84.3 | 90.1 | 81.4 | 72.7 | 98.8 | 84.3 | 125.0 | 1473.6 | 4124.3 | 5612.4 |
| 75° | 58.1 | 69.8 | 72.7 | 66.8 | 58.1 | 72.7 | 66.8 | 87.2 | 962.0 | 3412.2 | 4772.4 |
| 77.5° | 43.6 | 49.4 | 55.2 | 52.3 | 43.6 | 52.3 | 46.5 | 61.0 | 549.3 | 2394.9 | 3348.2 |
| 80° | 34.9 | 37.8 | 37.8 | 37.8 | 34.9 | 32.0 | 32.0 | 40.7 | 247.0 | 1180.0 | 1746.8 |
| 82.5° | 29.1 | 32.0 | 32.0 | 29.1 | 26.2 | 23.3 | 20.3 | 23.3 | 72.7 | 529.0 | 805.1 |
| 85° | 26.2 | 29.1 | 23.3 | 20.3 | 17.4 | 14.5 | 8.7 | 8.7 | 20.3 | 84.3 | 156.9 |
| 87.5° | 20.3 | 17.4 | 14.5 | 11.6 | 5.8 | 2.9 | 2.9 | 0.0 | 2.9 | 2.9 | 2.9 |
| 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: P1364607
CATALOG NUMBER: GSS-SB3A-735-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1636.3 | 1636.3 | 1636.3 | *1636.3* | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 | 1636.3 |
| 2.5° | 1854.3 | 1883.4 | 1903.7 | *1921.2* | 1915.3 | 1900.8 | 1871.8 | 1851.4 | 1846.8 | 1845.6 |
| 5° | 2098.5 | 2145.0 | 2185.6 | *2179.8* | 2185.6 | 2142.1 | 2098.5 | 2046.1 | 2025.2 | 2020.0 |
| 7.5° | 2301.9 | 2360.0 | 2409.4 | *2403.6* | 2386.2 | 2336.8 | 2264.1 | 2185.6 | 2148.4 | 2139.1 |
| 10° | 2412.4 | 2479.2 | 2519.9 | *2505.4* | 2476.3 | 2412.4 | 2339.7 | 2246.7 | 2204.8 | 2194.4 |
| 12.5° | 2432.7 | 2476.3 | 2467.6 | *2461.8* | 2455.9 | 2424.0 | 2368.8 | 2284.5 | 2242.6 | 2232.2 |
| 15° | 2380.4 | 2362.9 | 2313.5 | *2301.9* | 2345.5 | 2386.2 | 2374.6 | 2304.8 | 2265.3 | 2255.4 |
| 17.5° | 2293.2 | 2203.1 | 2113.0 | *2101.4* | 2174.0 | 2287.4 | 2377.5 | 2336.8 | 2299.6 | 2290.3 |
| 20° | 2197.3 | 2028.7 | 1929.9 | *1909.5* | 1999.6 | 2168.2 | 2345.5 | 2368.8 | 2343.2 | 2336.8 |
| 22.5° | 2083.9 | 1886.3 | 1781.7 | *1770.0* | 1836.9 | 2034.5 | 2299.0 | 2403.6 | 2392.0 | 2389.1 |
| 25° | 1985.1 | 1761.3 | 1662.5 | *1645.0* | 1732.2 | 1924.1 | 2252.5 | 2461.8 | 2454.8 | 2453.0 |
| 27.5° | 1903.7 | 1671.2 | 1566.6 | *1555.0* | 1639.2 | 1831.1 | 2194.4 | 2511.2 | 2534.4 | 2540.2 |
| 30° | 1839.8 | 1604.4 | 1499.7 | *1485.2* | 1578.2 | 1767.1 | 2153.7 | 2580.9 | 2625.1 | 2636.1 |
| 32.5° | 1790.4 | 1566.6 | 1467.8 | *1459.0* | 1557.9 | 1741.0 | 2130.4 | 2653.6 | 2744.3 | 2766.9 |
| 35° | 1772.9 | 1578.2 | 1511.4 | *1531.7* | 1607.3 | 1767.1 | 2147.9 | 2772.8 | 2898.3 | 2929.7 |
| 37.5° | 1810.7 | 1706.1 | 1752.6 | *1804.9* | 1834.0 | 1892.1 | 2229.2 | 2964.6 | 3127.3 | 3168.0 |
| 40° | 1932.8 | 2049.0 | 2267.0 | *2368.8* | 2357.1 | 2223.4 | 2415.3 | 3234.9 | 3467.4 | 3525.5 |
| 42.5° | 2243.8 | 2621.6 | 3083.7 | *3255.2* | 3156.4 | 2752.4 | 2711.7 | 3679.6 | 3944.6 | 4010.9 |
| 45° | 2705.9 | 3313.4 | 4071.9 | *4458.5* | 4118.4 | 3423.8 | 3179.7 | 4313.2 | 4568.9 | 4632.9 |
| 47.5° | 3168.0 | 4086.5 | 5292.6 | *5751.9* | 5083.4 | 4089.4 | 3792.9 | 5071.8 | 5301.9 | 5359.5 |
| 50° | 3638.9 | 4941.0 | 6510.4 | *7123.7* | 6045.4 | 4766.6 | 4444.0 | 6007.6 | 6175.0 | 6216.9 |
| 52.5° | 4124.3 | 5705.4 | 7853.2 | *8382.2* | 7051.0 | 5289.7 | 5188.0 | 7027.8 | 7127.8 | 7152.8 |
| 55° | 4664.9 | 6429.1 | 9198.9 | *9626.2* | 7966.6 | 5746.0 | 6059.9 | 8094.5 | 8068.9 | 8062.5 |
| 57.5° | 5385.6 | 7190.6 | 10283.0 | *10878.8* | 8797.8 | 6362.2 | 7225.4 | 9280.3 | 8780.4 | 8655.4 |
| 60° | 6644.1 | 8373.5 | 11631.6 | *12279.7* | 9911.0 | 7263.2 | 8082.8 | 9254.1 | 8361.3 | 8138.1 |
| 62.5° | 8103.2 | 9512.8 | 12852.3 | *13398.7* | 11082.3 | 8158.4 | 7399.8 | 7771.8 | 6888.3 | 6667.4 |
| 65° | *7039.4* | *9312.3* | *12890.1* | *13451.0* | *11125.9* | *7612.0* | *5469.9* | *5510.6* | *4766.6* | *4580.6* |
| 67.5° | 5990.2 | 8254.3 | 11739.1 | *12180.9* | 9925.5 | 6292.5 | 3627.2 | 3595.3 | 3127.9 | 3011.1 |
| 70° | 5333.3 | 7231.2 | 10117.3 | *9736.6* | 8344.4 | 5318.8 | 2409.4 | 1996.7 | 1706.1 | 1633.4 |
| 72.5° | 4792.7 | 5737.3 | 8199.1 | *6711.0* | 6923.2 | 4327.7 | 1531.7 | 1360.2 | 1134.7 | 1078.3 |
| 75° | 4339.3 | 4746.2 | 5115.3 | *4638.7* | 4917.7 | 3566.2 | 1299.2 | 1049.2 | 858.6 | 810.9 |
| 77.5° | 3452.9 | 3694.1 | 3028.5 | *2941.3* | 3444.1 | 2537.3 | 645.2 | 441.8 | 386.0 | 372.0 |
| 80° | 2054.9 | 1746.8 | 1717.7 | *1958.9* | 2293.2 | 1316.6 | 395.3 | 244.1 | 220.9 | 215.1 |
| 82.5° | 1244.0 | 630.7 | 685.9 | *866.1* | 1220.7 | 598.7 | 235.4 | 104.6 | 93.0 | 90.1 |
| 85° | 209.3 | 171.5 | 264.5 | *252.9* | 238.3 | 127.9 | 63.9 | 29.1 | 26.7 | 26.2 |
| 87.5° | 5.8 | 8.7 | 11.6 | *14.5* | 14.5 | 14.5 | 14.5 | 14.5 | 16.9 | 17.4 |
| 90° | 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

# 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

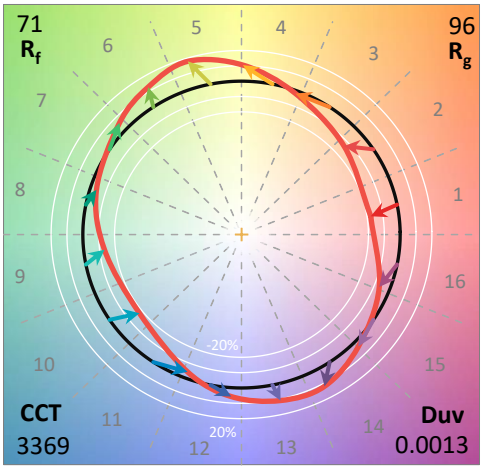
## Test Information

| | |
|---|---|
| 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

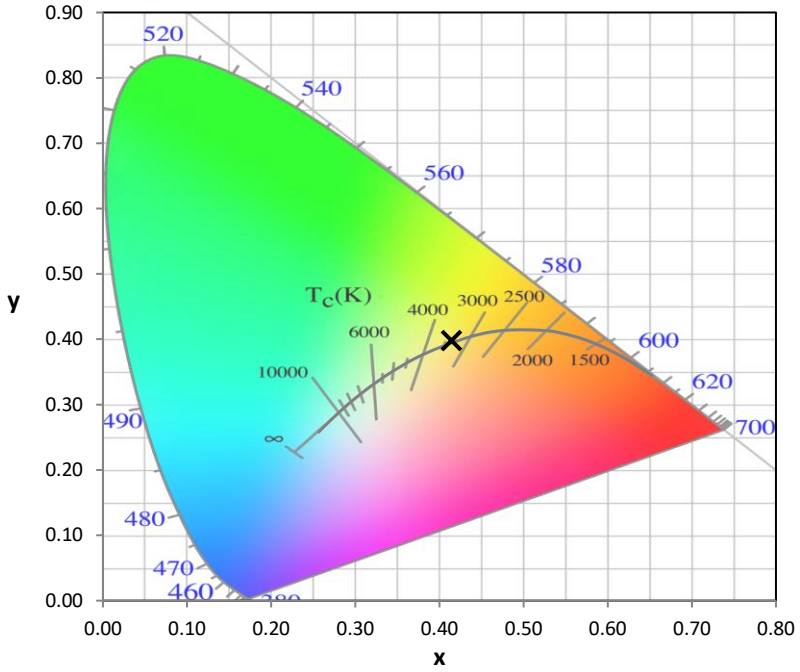
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-5

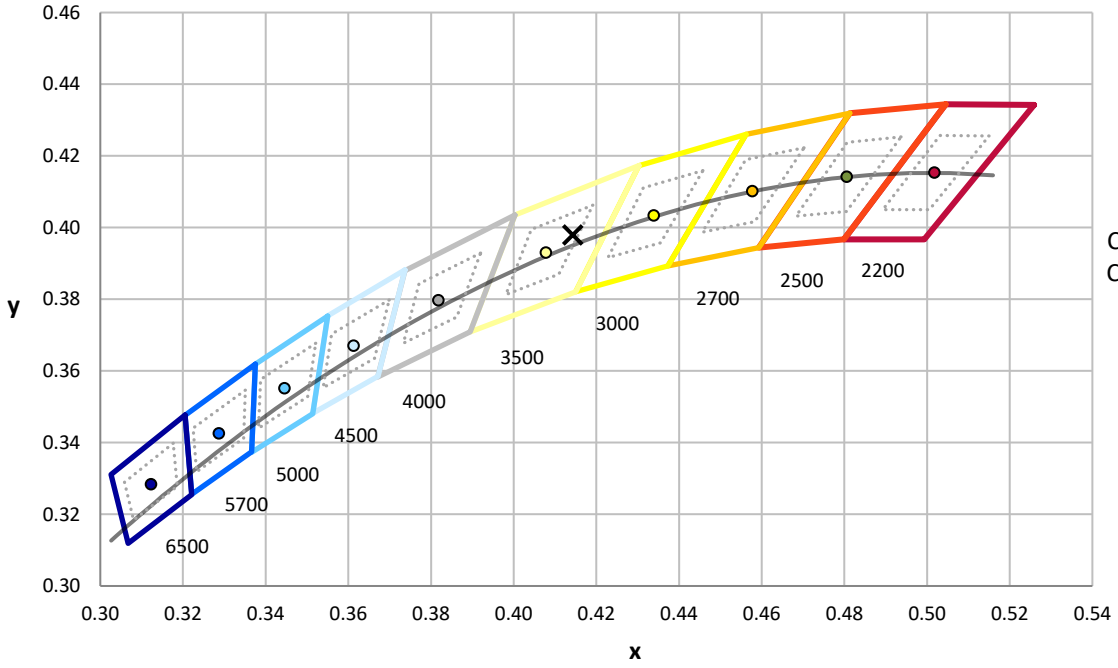
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

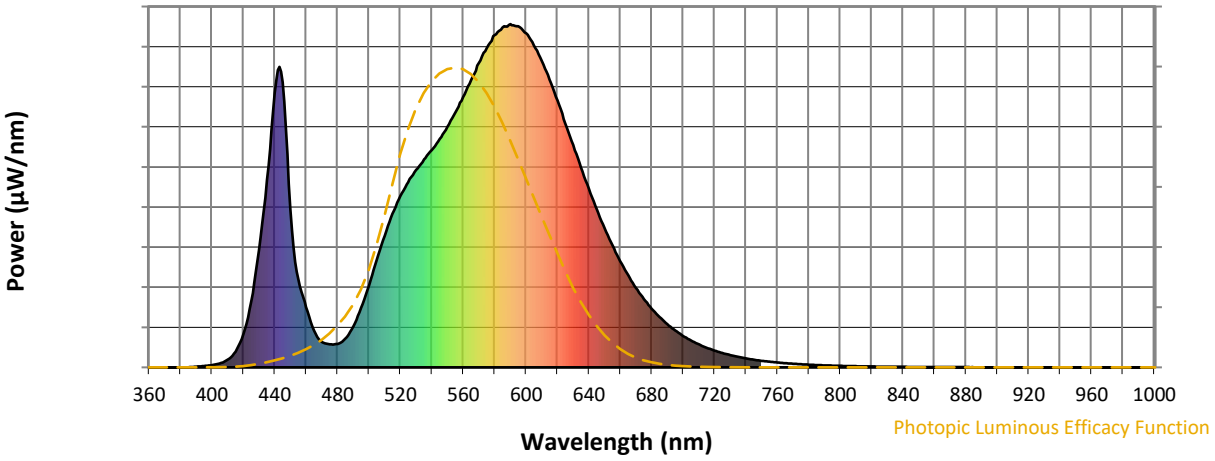



CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

## Photopic Flux vs. Wavelength

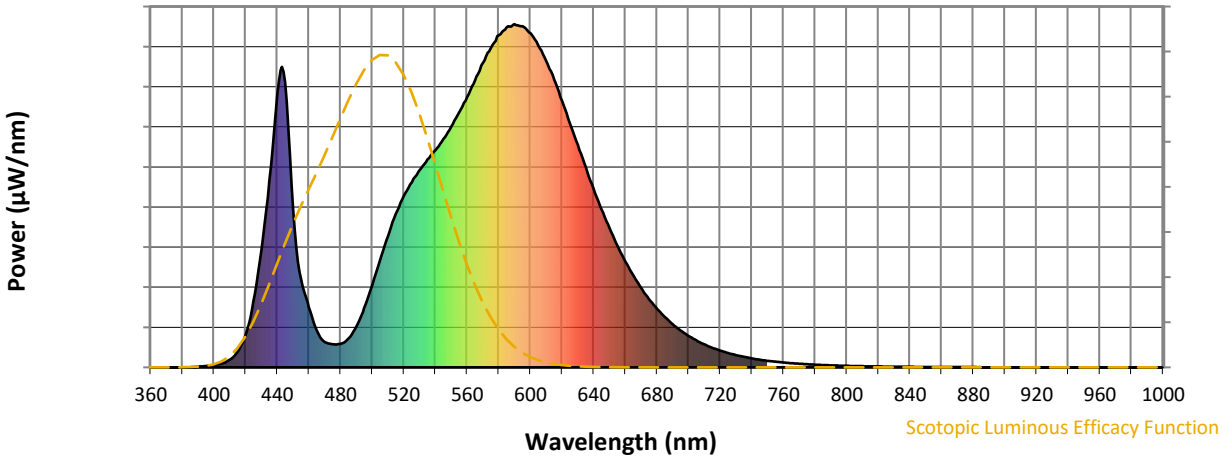



## Photopic Lumens: NR

| 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

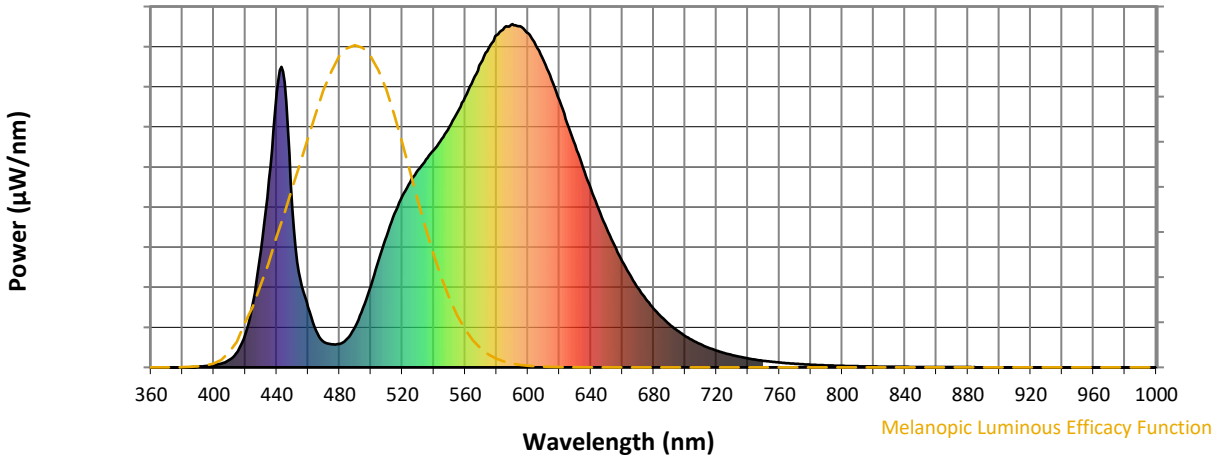



**Scotopic Lumens: NR** **S/P: 1.29**

| 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 | | | |

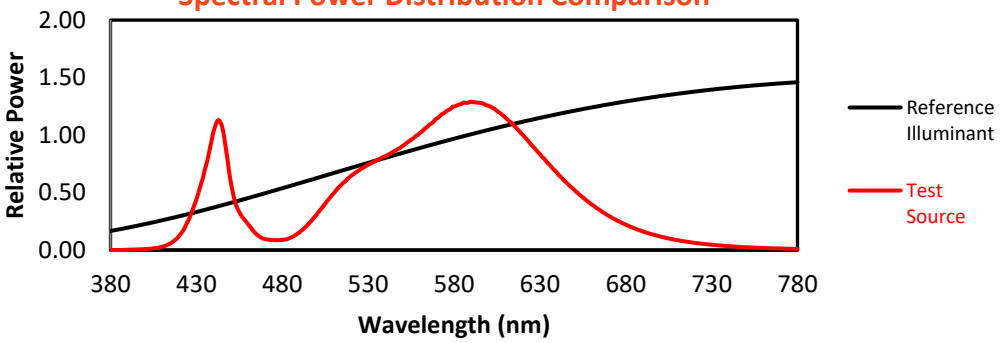
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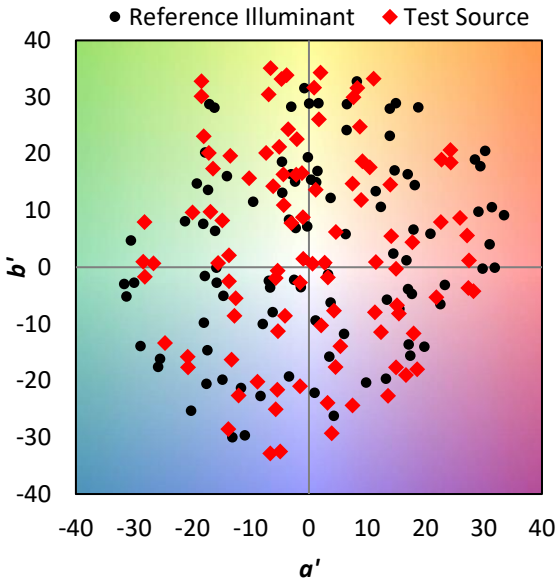
## Summary

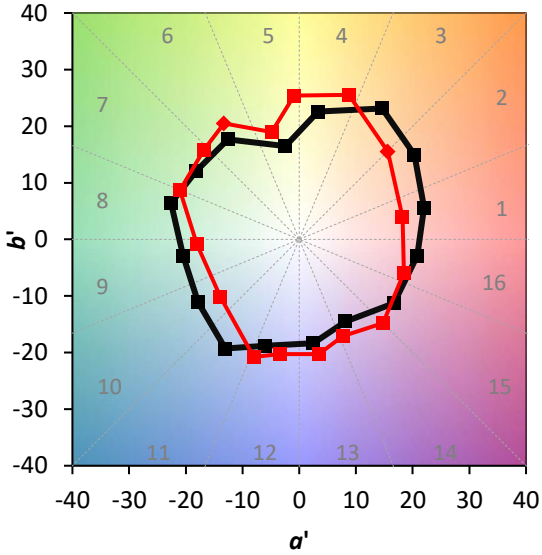
$R_f$ = 71.4
$R_g$ = 96
CIE $R_a$ = 70.1
$R_9$ = -40.2

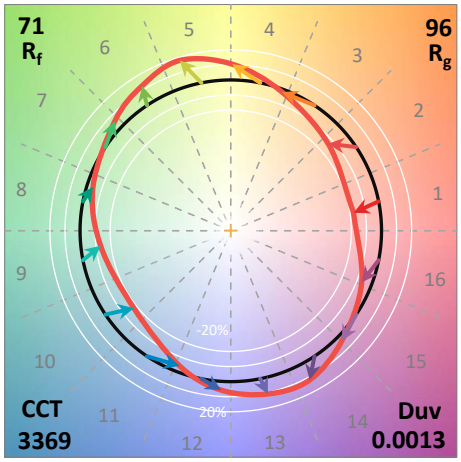
## Spectral Power Distribution Comparison

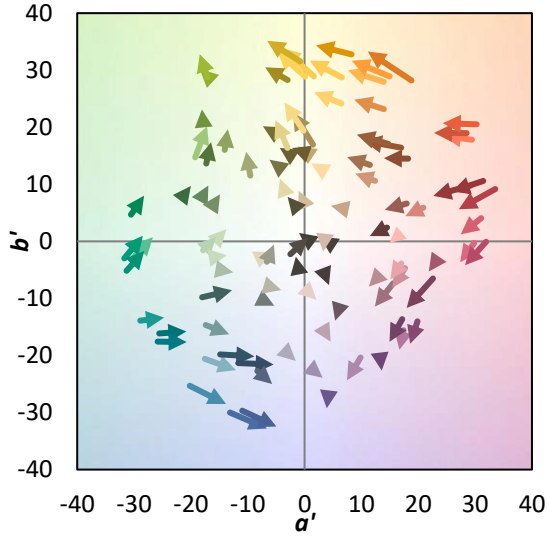



## Color Vector Graphics



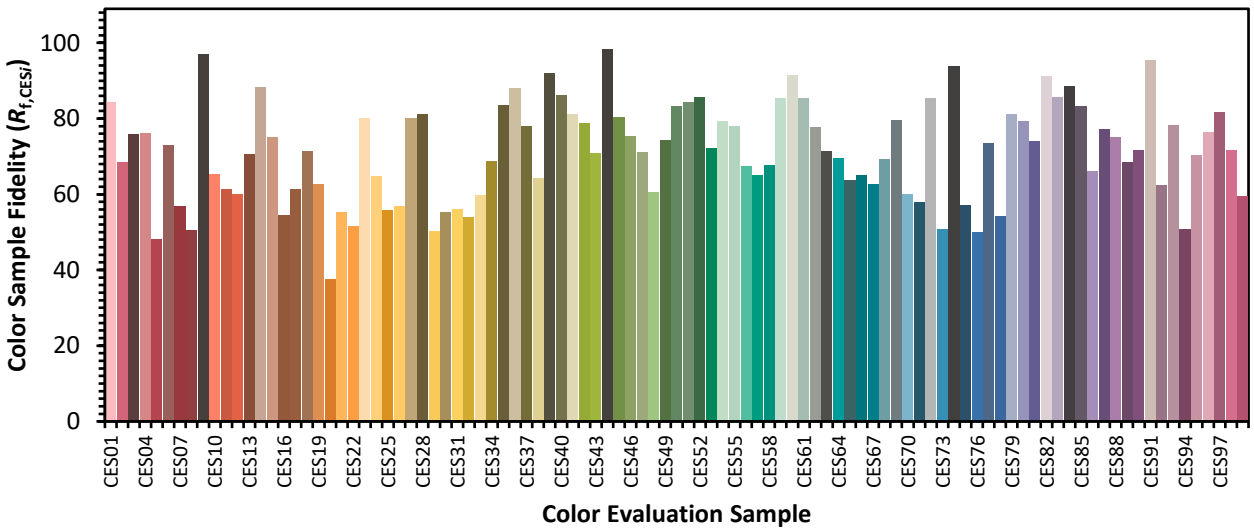



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**Individual Sample Fidelity Index ($R_{f,i}$)**

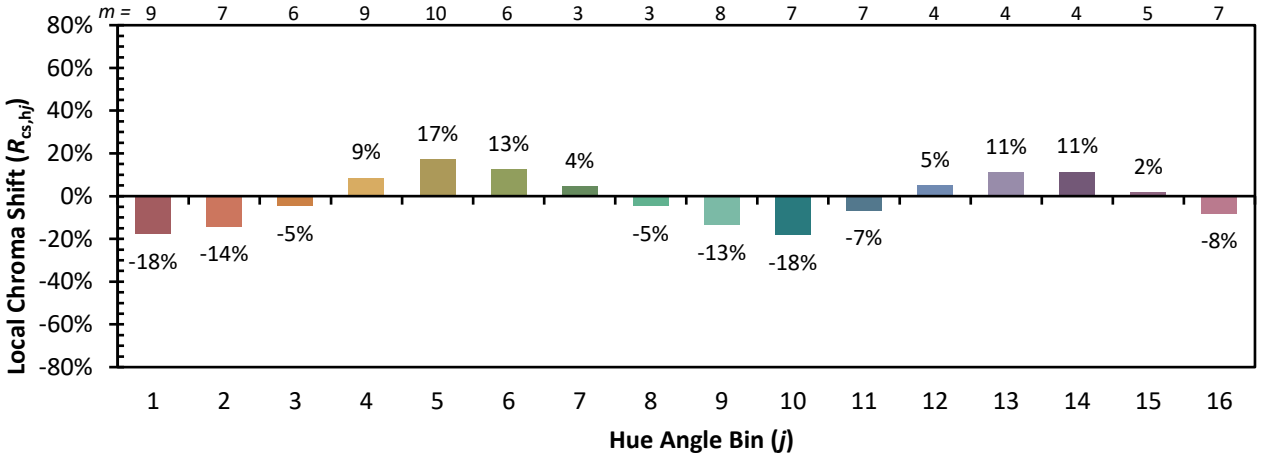
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 57 | CES51 = 84 | CES76 = 50 |
| CES02 = 62 | CES27 = 80 | CES52 = 86 | CES77 = 74 |
| CES03 = 31 | CES28 = 81 | CES53 = 72 | CES78 = 54 |
| CES04 = 70 | CES29 = 50 | CES54 = 79 | CES79 = 81 |
| CES05 = 48 | CES30 = 55 | CES55 = 78 | CES80 = 79 |
| CES06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

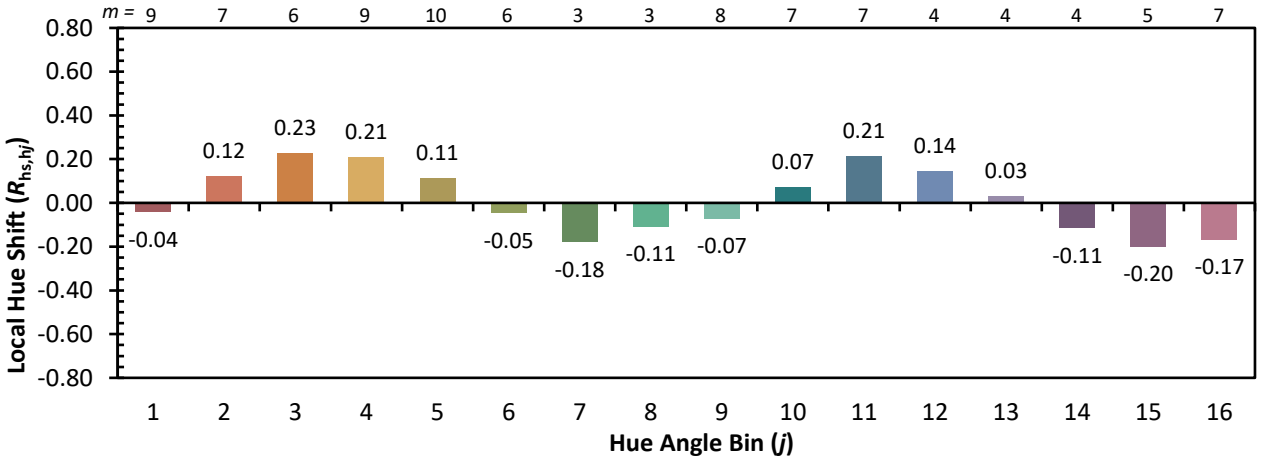


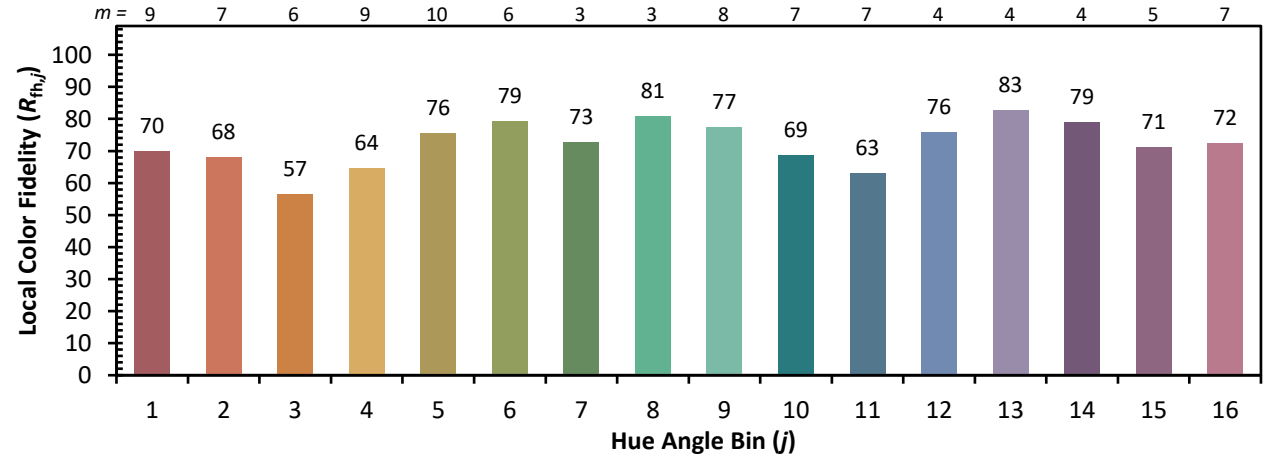
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## Color Rendition by Hue-Angle Bin



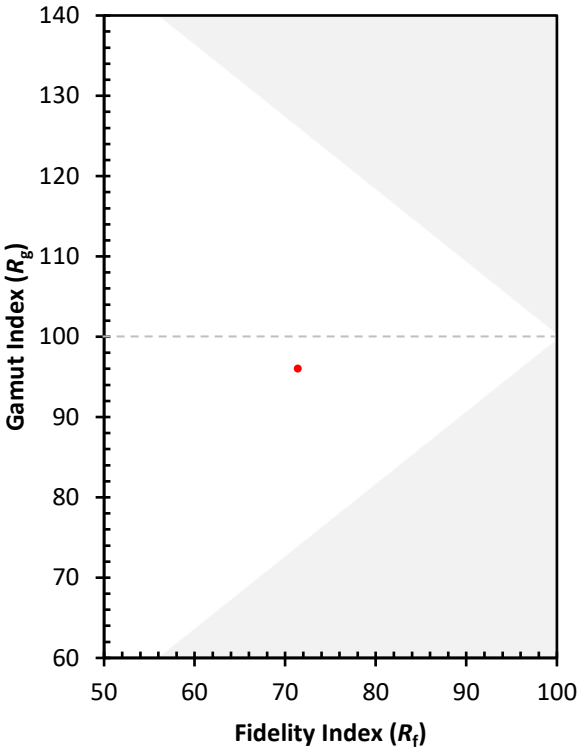



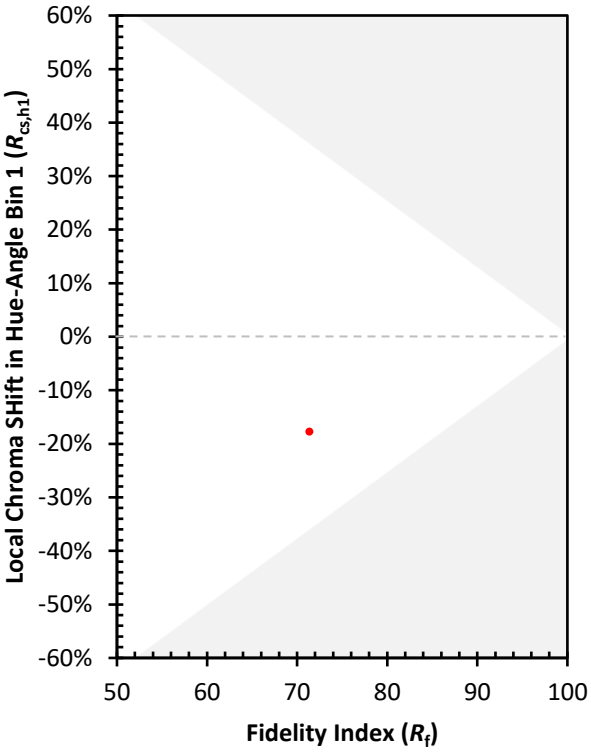



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## Measure Comparisons




(END OF REPORT)