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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501786

Luminaire Tested: GSS-SB2B-730-U-T2LG-HSS

Issue Date: 07/20/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501786 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB2B-730-U-T2LG-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD |
| Light Source: | (52) 3000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 8495.7 lumens |
| Efficiency: | N/A |
| Efficacy: | 114.8 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B1 - U0 - G1 |

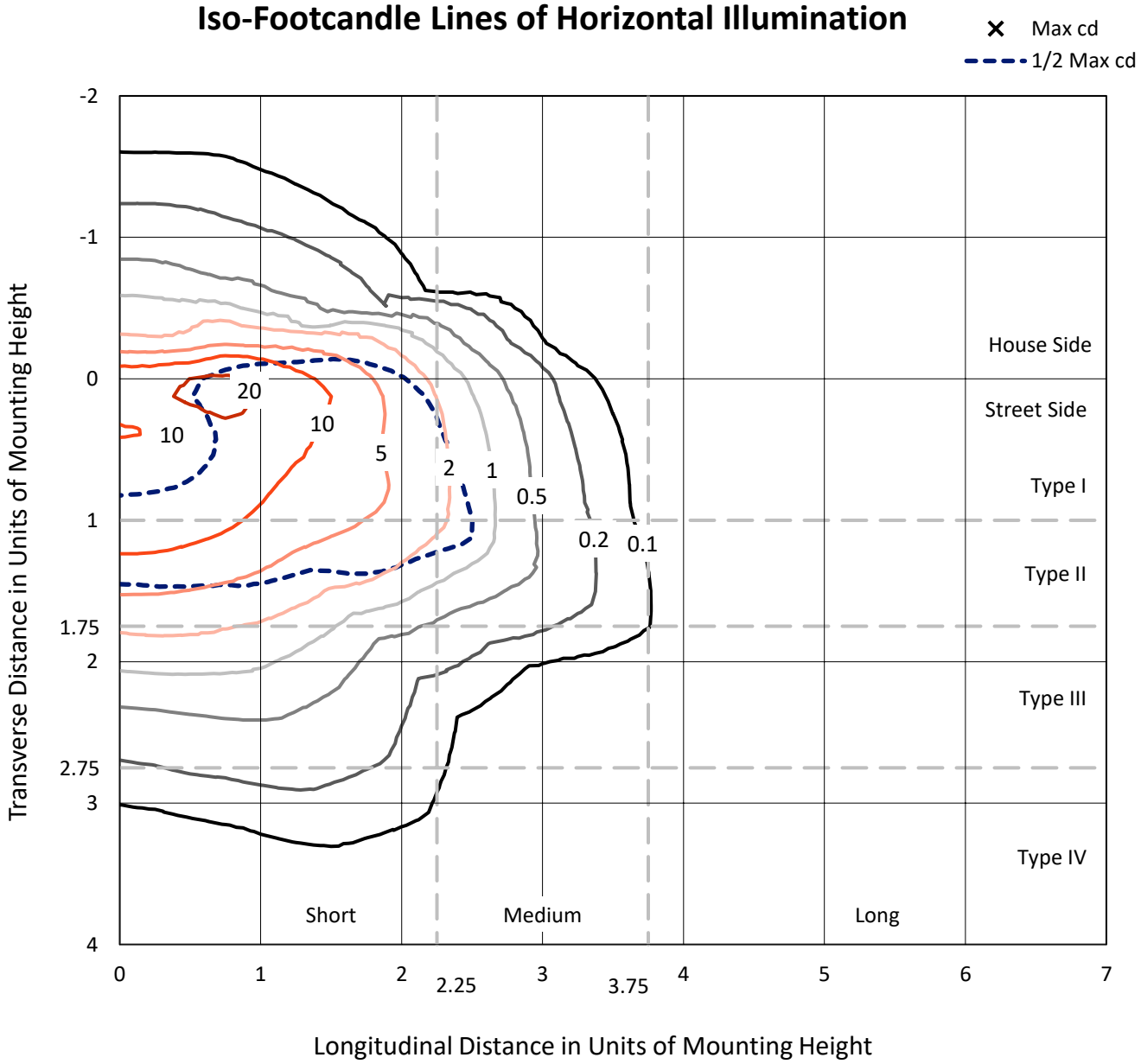
| | |
|---|---|
| Input Watts (W): | 74 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 13.6% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



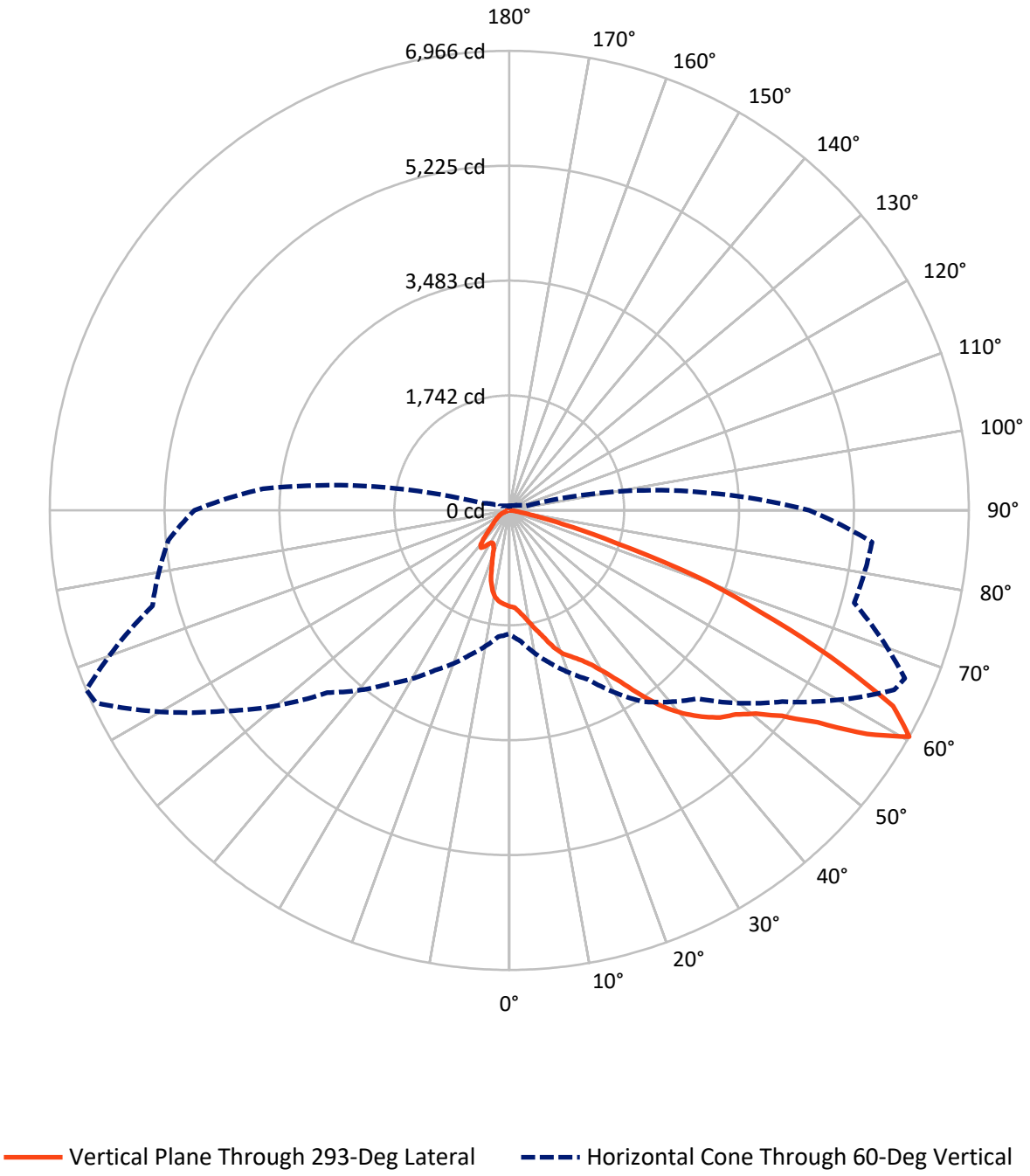

Based on 10 foot mounting height. Maximum calculated value = 24.2 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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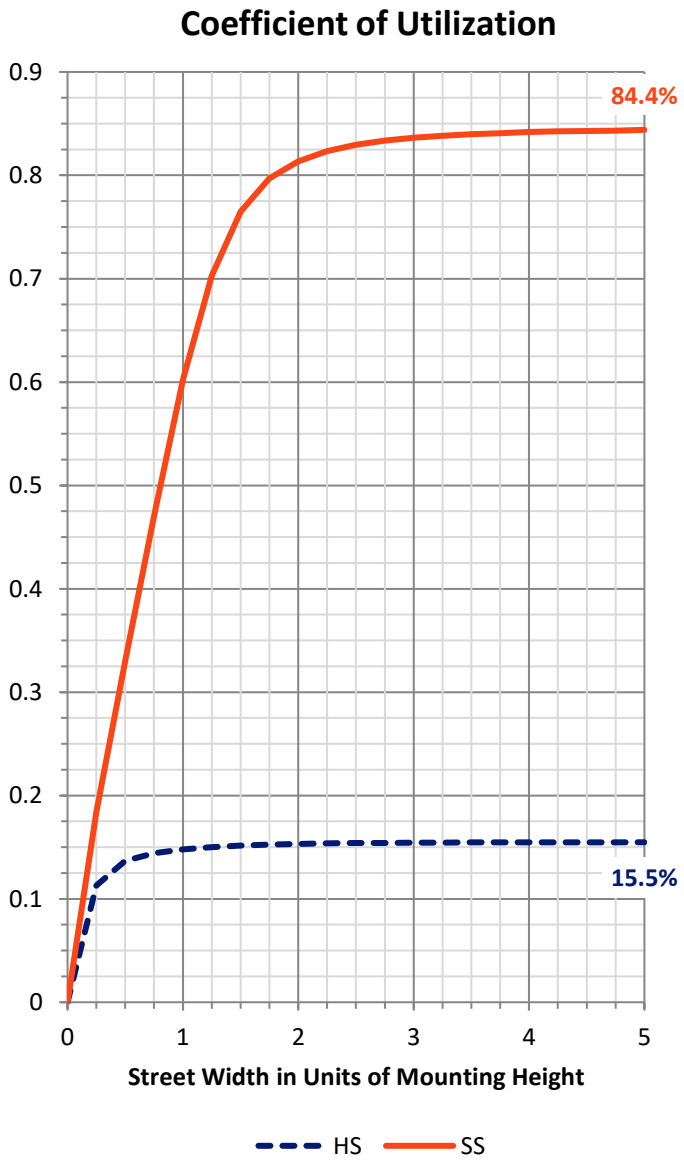
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1325.5 | 0.0 | 1325.5 |
| | % Fixture | 15.6 | 0.0 | 15.6 |
| **Street Side** | Lumens | 7170.2 | 0.0 | 7170.2 |
| | % Fixture | 84.4 | 0.0 | 84.4 |
| **Total** | Lumens | 8495.7 | 0.0 | 8495.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 131.8 | 1.6 |
| 10°-20° | 332.1 | 3.9 |
| 20°-30° | 619.9 | 7.3 |
| 30°-40° | 1229.3 | 14.5 |
| 40°-50° | 1959.9 | 23.1 |
| 50°-60° | 2341.6 | 27.6 |
| 60°-70° | 1535.1 | 18.1 |
| 70°-80° | 321.6 | 3.8 |
| 80°-90° | 24.3 | 0.3 |
| 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° | 8495.7 | 100.0 |
| 0°-180° | 8495.7 | 100.0 |



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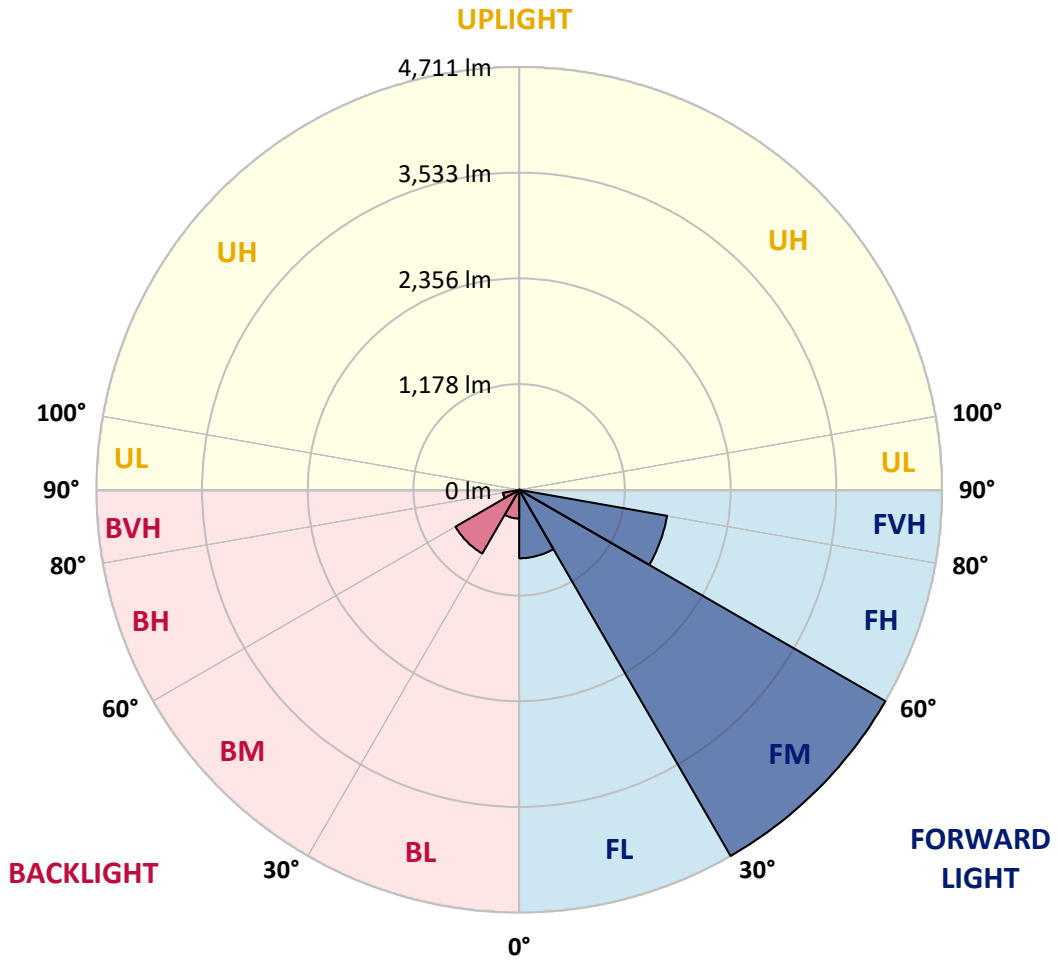
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 763.1 | 9.0 | | | |
| FM | (30°-60°) | 4711.2 | 55.5 | | | |
| FH | (60°-80°) | 1673.6 | 19.7 | | | G1/1800 |
| FVH | (80°-90°) | 22.3 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 320.7 | 3.8 | B1/500 | | |
| BM | (30°-60°) | 819.7 | 9.6 | B1/1000 | | |
| BH | (60°-80°) | 183.1 | 2.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 2.0 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G1**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 |
| 2.5° | 1529.8 | 1525.1 | 1517.9 | 1520.3 | 1517.9 | 1508.4 | 1494.1 | 1482.2 | 1491.8 | 1477.5 | 1468.0 |
| 5° | 1575.0 | 1575.0 | 1570.3 | 1570.3 | 1572.7 | 1567.9 | 1558.4 | 1541.7 | 1544.1 | 1532.2 | 1501.3 |
| 7.5° | 1575.0 | 1567.9 | 1579.8 | 1591.7 | 1613.1 | 1625.0 | 1629.8 | 1620.2 | 1625.0 | 1601.2 | 1560.8 |
| 10° | 1482.2 | 1477.5 | 1508.4 | 1553.6 | 1615.5 | 1670.2 | 1705.9 | 1708.3 | 1715.4 | 1691.6 | 1644.0 |
| 12.5° | 1284.8 | 1275.3 | 1337.1 | 1422.8 | 1548.9 | 1675.0 | 1774.9 | 1813.0 | 1829.6 | 1820.1 | 1753.5 |
| 15° | 1101.6 | 1113.5 | 1156.3 | 1249.1 | 1418.0 | 1610.7 | 1813.0 | 1939.1 | 1962.8 | 1974.7 | 1896.2 |
| 17.5° | 1082.5 | 1084.9 | 1099.2 | 1144.4 | 1272.9 | 1506.0 | 1817.7 | 2069.9 | 2103.2 | 2155.6 | 2048.5 |
| 20° | 1134.9 | 1130.1 | 1144.4 | 1158.7 | 1220.5 | 1413.2 | 1772.5 | 2196.0 | 2260.2 | 2372.1 | 2255.5 |
| 22.5° | 1232.4 | 1232.4 | 1239.6 | 1249.1 | 1280.0 | 1406.1 | 1753.5 | 2312.6 | 2422.0 | 2650.4 | 2514.8 |
| 25° | 1396.6 | 1377.6 | 1382.3 | 1370.4 | 1396.6 | 1491.8 | 1796.3 | 2405.4 | 2555.3 | 2959.7 | 2824.1 |
| 27.5° | 1651.2 | 1658.3 | 1615.5 | 1551.2 | 1565.5 | 1646.4 | 1901.0 | 2510.1 | 2693.3 | 3280.9 | 3138.2 |
| 30° | 2003.3 | 1991.4 | 1965.2 | 1839.1 | 1782.0 | 1853.4 | 2093.7 | 2681.4 | 2878.8 | 3687.8 | 3556.9 |
| 32.5° | 2279.3 | 2312.6 | 2267.4 | 2179.4 | 2091.3 | 2112.7 | 2364.9 | 2957.4 | 3104.9 | 4061.3 | 3989.9 |
| 35° | 2612.4 | 2612.4 | 2621.9 | 2498.2 | 2438.7 | 2433.9 | 2705.2 | 3257.1 | 3404.6 | 4399.2 | 4449.1 |
| 37.5° | 3062.0 | 3031.1 | 2978.8 | 2840.8 | 2795.6 | 2855.0 | 3024.0 | 3566.4 | 3725.8 | 4672.8 | 4806.0 |
| 40° | 3440.3 | 3461.7 | 3454.6 | 3254.8 | 3166.7 | 3231.0 | 3380.9 | 3830.5 | 3954.2 | 4848.8 | 5093.9 |
| 42.5° | 3811.5 | 3823.4 | 3792.5 | 3697.3 | 3568.8 | 3573.6 | 3697.3 | 4030.4 | 4156.5 | 5017.8 | 5365.1 |
| 45° | 4089.9 | 4087.5 | 4066.1 | 4042.3 | 3966.1 | 3887.6 | 3909.0 | 4251.6 | 4361.1 | 5072.5 | 5512.6 |
| 47.5° | 4177.9 | 4196.9 | 4216.0 | 4282.6 | 4334.9 | 4211.2 | 4101.8 | 4370.6 | 4470.5 | 5063.0 | 5567.3 |
| 50° | 4097.0 | 4137.4 | 4230.2 | 4330.2 | 4508.6 | 4499.1 | 4263.5 | 4499.1 | 4596.6 | 5115.3 | 5631.6 |
| 52.5° | 3916.2 | 3956.6 | 4080.3 | 4261.2 | 4530.0 | 4663.2 | 4563.3 | 4715.6 | 4829.8 | 5248.5 | 5764.8 |
| 55° | 3495.1 | 3511.7 | 3766.3 | 4004.2 | 4422.9 | 4591.9 | 4884.5 | 5082.0 | 5177.2 | 5410.3 | 5940.9 |
| 57.5° | 2845.5 | 2886.0 | 3135.8 | 3523.6 | 4123.2 | 4403.9 | 5067.7 | 5707.7 | 5705.3 | 5565.0 | 5979.0 |
| 60° | *1872.4* | *1991.4* | *2398.2* | *2826.5* | *3542.6* | *4035.1* | *5055.8* | *6440.5* | *6514.3* | *5412.7* | *5519.8* |
| 62.5° | 1429.9 | 1479.9 | 1710.7 | 2067.5 | 2621.9 | 3345.2 | 4977.3 | 6659.4 | 6716.5 | 5003.5 | 4832.2 |
| 65° | 1075.4 | 1137.3 | 1358.5 | 1677.3 | 1851.0 | 2267.4 | 4463.4 | 5788.6 | 5867.1 | 4465.8 | 3756.8 |
| 67.5° | 659.0 | 709.0 | 1004.0 | 1377.6 | 1401.4 | 1408.5 | 3012.1 | 4384.9 | 4413.4 | 3602.1 | 2529.1 |
| 70° | 440.2 | 490.1 | 694.7 | 1058.7 | 1115.8 | 811.3 | 1653.5 | 3319.0 | 3316.6 | 2464.9 | 1537.0 |
| 72.5° | 254.6 | 278.4 | 440.2 | 780.4 | 877.9 | 516.3 | 825.6 | 2110.4 | 2017.6 | 1158.7 | 718.5 |
| 75° | 145.1 | 161.8 | 242.7 | 502.0 | 616.2 | 328.3 | 326.0 | 1130.1 | 999.3 | 597.2 | 392.6 |
| 77.5° | 88.0 | 95.2 | 133.2 | 328.3 | 371.2 | 221.3 | 180.8 | 525.8 | 506.8 | 349.7 | 207.0 |
| 80° | 42.8 | 50.0 | 80.9 | 192.7 | 237.9 | 119.0 | 109.4 | 207.0 | 221.3 | 192.7 | 109.4 |
| 82.5° | 14.3 | 19.0 | 45.2 | 73.8 | 154.6 | 47.6 | 45.2 | 114.2 | 121.3 | 114.2 | 52.3 |
| 85° | 7.1 | 9.5 | 21.4 | 23.8 | 59.5 | 23.8 | 16.7 | 50.0 | 61.9 | 38.1 | 21.4 |
| 87.5° | 0.0 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 4.8 | 4.8 | 4.8 | 4.8 |
| 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 |
| 2.5° | 1460.8 | 1456.1 | 1446.6 | 1429.9 | 1427.5 | 1415.6 | 1396.6 | 1384.7 | 1375.2 | 1382.3 | 1384.7 |
| 5° | 1487.0 | 1475.1 | 1446.6 | 1401.4 | 1353.8 | 1306.2 | 1261.0 | 1208.6 | 1172.9 | 1168.2 | 1158.7 |
| 7.5° | 1534.6 | 1510.8 | 1448.9 | 1360.9 | 1239.6 | 1125.4 | 992.1 | 863.7 | 799.4 | 789.9 | 768.5 |
| 10° | 1610.7 | 1570.3 | 1468.0 | 1289.5 | 1056.4 | 818.4 | 616.2 | 478.2 | 399.7 | 385.4 | 390.2 |
| 12.5° | 1701.1 | 1644.0 | 1470.4 | 1168.2 | 804.2 | 506.8 | 349.7 | 297.4 | 280.7 | 273.6 | 273.6 |
| 15° | 1817.7 | 1734.4 | 1468.0 | 1011.2 | 542.5 | 326.0 | 280.7 | 259.3 | 252.2 | 247.4 | 247.4 |
| 17.5° | 1965.2 | 1855.8 | 1451.3 | 775.6 | 366.4 | 283.1 | 257.0 | 240.3 | 230.8 | 228.4 | 228.4 |
| 20° | 2138.9 | 1991.4 | 1413.2 | 578.1 | 306.9 | 264.1 | 242.7 | 221.3 | 214.1 | 209.4 | 209.4 |
| 22.5° | 2360.2 | 2155.6 | 1339.5 | 449.7 | 290.3 | 252.2 | 228.4 | 204.6 | 197.5 | 192.7 | 192.7 |
| 25° | 2617.1 | 2364.9 | 1241.9 | 404.5 | 287.9 | 242.7 | 214.1 | 190.3 | 183.2 | 180.8 | 178.4 |
| 27.5° | 2921.7 | 2588.6 | 1151.5 | 406.8 | 292.6 | 235.5 | 199.9 | 178.4 | 171.3 | 164.2 | 166.5 |
| 30° | 3280.9 | 2819.4 | 1077.8 | 435.4 | 297.4 | 228.4 | 190.3 | 171.3 | 164.2 | 154.6 | 154.6 |
| 32.5° | 3635.4 | 3090.6 | 1070.6 | 487.7 | 314.1 | 223.6 | 180.8 | 161.8 | 154.6 | 147.5 | 147.5 |
| 35° | 3999.4 | 3338.0 | 1111.1 | 556.7 | 347.4 | 216.5 | 168.9 | 152.3 | 145.1 | 140.4 | 138.0 |
| 37.5° | 4346.8 | 3535.5 | 1149.2 | 599.6 | 328.3 | 185.6 | 154.6 | 140.4 | 133.2 | 123.7 | 123.7 |
| 40° | 4577.6 | 3642.6 | 1156.3 | 566.3 | 271.2 | 166.5 | 140.4 | 126.1 | 116.6 | 111.8 | 109.4 |
| 42.5° | 4746.5 | 3711.6 | 1075.4 | 459.2 | 235.5 | 152.3 | 128.5 | 114.2 | 107.1 | 102.3 | 102.3 |
| 45° | 4815.5 | 3687.8 | 937.4 | 349.7 | 216.5 | 140.4 | 116.6 | 104.7 | 99.9 | 95.2 | 95.2 |
| 47.5° | 4806.0 | 3578.3 | 797.0 | 280.7 | 197.5 | 128.5 | 109.4 | 99.9 | 95.2 | 90.4 | 88.0 |
| 50° | 4789.3 | 3476.0 | 654.3 | 249.8 | 176.1 | 121.3 | 102.3 | 95.2 | 88.0 | 83.3 | 80.9 |
| 52.5° | 4898.8 | 3442.7 | 542.5 | 228.4 | 164.2 | 116.6 | 99.9 | 90.4 | 83.3 | 78.5 | 78.5 |
| 55° | 5008.2 | 3457.0 | 425.9 | 214.1 | 152.3 | 114.2 | 97.5 | 88.0 | 80.9 | 73.8 | 73.8 |
| 57.5° | 5001.1 | 3395.1 | 323.6 | 199.9 | 142.8 | 111.8 | 95.2 | 85.7 | 73.8 | 69.0 | 69.0 |
| 60° | *4546.7* | *3028.7* | *252.2* | *183.2* | *130.9* | *104.7* | *88.0* | *80.9* | *69.0* | *61.9* | *61.9* |
| 62.5° | 3844.8 | 2381.6 | 207.0 | 161.8 | 116.6 | 95.2 | 80.9 | 73.8 | 61.9 | 50.0 | 50.0 |
| 65° | 2840.8 | 1717.8 | 166.5 | 140.4 | 107.1 | 83.3 | 73.8 | 64.2 | 50.0 | 40.4 | 38.1 |
| 67.5° | 1922.4 | 1056.4 | 133.2 | 116.6 | 95.2 | 71.4 | 61.9 | 54.7 | 45.2 | 33.3 | 30.9 |
| 70° | 1139.6 | 561.5 | 97.5 | 80.9 | 71.4 | 52.3 | 52.3 | 47.6 | 38.1 | 28.6 | 26.2 |
| 72.5° | 542.5 | 195.1 | 71.4 | 59.5 | 54.7 | 38.1 | 40.4 | 40.4 | 30.9 | 21.4 | 19.0 |
| 75° | 276.0 | 95.2 | 47.6 | 42.8 | 35.7 | 28.6 | 33.3 | 30.9 | 21.4 | 14.3 | 14.3 |
| 77.5° | 157.0 | 66.6 | 33.3 | 28.6 | 23.8 | 19.0 | 21.4 | 19.0 | 11.9 | 7.1 | 7.1 |
| 80° | 88.0 | 47.6 | 21.4 | 19.0 | 14.3 | 11.9 | 11.9 | 9.5 | 7.1 | 2.4 | 2.4 |
| 82.5° | 33.3 | 28.6 | 14.3 | 9.5 | 7.1 | 7.1 | 4.8 | 4.8 | 2.4 | 0.0 | 0.0 |
| 85° | 14.3 | 7.1 | 7.1 | 4.8 | 4.8 | 2.4 | 2.4 | 2.4 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.4 | 2.4 | 2.4 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 |
| 2.5° | 1365.7 | 1370.4 | 1375.2 | 1394.2 | 1399.0 | 1413.2 | 1425.1 | 1439.4 | 1441.8 | 1460.8 | 1460.8 |
| 5° | 1177.7 | 1175.3 | 1215.8 | 1275.3 | 1313.3 | 1365.7 | 1406.1 | 1448.9 | 1472.7 | 1503.7 | 1517.9 |
| 7.5° | 780.4 | 839.9 | 930.3 | 1035.0 | 1170.6 | 1296.7 | 1391.8 | 1475.1 | 1532.2 | 1567.9 | 1582.2 |
| 10° | 387.8 | 421.1 | 516.3 | 687.6 | 918.4 | 1175.3 | 1377.6 | 1532.2 | 1625.0 | 1665.4 | 1691.6 |
| 12.5° | 273.6 | 280.7 | 297.4 | 390.2 | 611.5 | 975.5 | 1332.4 | 1594.1 | 1722.5 | 1798.7 | 1832.0 |
| 15° | 245.1 | 249.8 | 257.0 | 283.1 | 378.3 | 728.0 | 1251.5 | 1663.1 | 1874.8 | 1962.8 | 2005.7 |
| 17.5° | 226.0 | 228.4 | 235.5 | 257.0 | 297.4 | 494.9 | 1120.6 | 1736.8 | 2058.0 | 2165.1 | 2246.0 |
| 20° | 209.4 | 209.4 | 216.5 | 242.7 | 276.0 | 380.7 | 932.6 | 1820.1 | 2291.2 | 2445.8 | 2526.7 |
| 22.5° | 190.3 | 195.1 | 199.9 | 228.4 | 268.9 | 347.4 | 756.6 | 1884.3 | 2550.5 | 2738.5 | 2833.6 |
| 25° | 176.1 | 180.8 | 185.6 | 214.1 | 261.7 | 347.4 | 654.3 | 1924.8 | 2840.8 | 3064.4 | 3195.3 |
| 27.5° | 164.2 | 168.9 | 176.1 | 204.6 | 254.6 | 361.6 | 613.8 | 1936.7 | 3157.2 | 3447.5 | 3623.5 |
| 30° | 154.6 | 159.4 | 166.5 | 197.5 | 259.3 | 378.3 | 628.1 | 1920.0 | 3478.4 | 3842.4 | 4051.8 |
| 32.5° | 145.1 | 149.9 | 157.0 | 190.3 | 259.3 | 399.7 | 675.7 | 1886.7 | 3790.1 | 4237.4 | 4494.3 |
| 35° | 138.0 | 140.4 | 142.8 | 171.3 | 235.5 | 397.3 | 735.2 | 1853.4 | 4104.1 | 4627.6 | 4927.3 |
| 37.5° | 123.7 | 126.1 | 130.9 | 147.5 | 188.0 | 361.6 | 747.1 | 1813.0 | 4351.6 | 4955.9 | 5286.6 |
| 40° | 109.4 | 114.2 | 119.0 | 135.6 | 157.0 | 292.6 | 694.7 | 1727.3 | 4482.4 | 5208.1 | 5610.2 |
| 42.5° | 99.9 | 102.3 | 107.1 | 123.7 | 145.1 | 233.2 | 582.9 | 1577.4 | 4599.0 | 5379.4 | 5845.7 |
| 45° | 92.8 | 95.2 | 99.9 | 111.8 | 135.6 | 202.2 | 459.2 | 1394.2 | 4608.5 | 5434.1 | 5959.9 |
| 47.5° | 85.7 | 88.0 | 90.4 | 102.3 | 130.9 | 180.8 | 352.1 | 1227.7 | 4606.1 | 5505.5 | 6057.5 |
| 50° | 80.9 | 83.3 | 88.0 | 97.5 | 123.7 | 161.8 | 290.3 | 1092.1 | 4706.1 | 5660.1 | 6254.9 |
| 52.5° | 78.5 | 78.5 | 85.7 | 95.2 | 116.6 | 147.5 | 242.7 | 970.7 | 4758.4 | 5812.4 | 6397.7 |
| 55° | 73.8 | 76.1 | 80.9 | 90.4 | 109.4 | 140.4 | 207.0 | 818.4 | 4782.2 | 5888.5 | 6423.9 |
| 57.5° | 69.0 | 71.4 | 78.5 | 85.7 | 104.7 | 133.2 | 178.4 | 611.5 | 4442.0 | 5491.2 | 5986.1 |
| 60° | *61.9* | *66.6* | *76.1* | *83.3* | *97.5* | *121.3* | *157.0* | *414.0* | *3747.3* | *4772.7* | *5186.7* |
| 62.5° | 50.0 | 59.5 | 69.0 | 73.8 | 88.0 | 102.3 | 133.2 | 276.0 | 2993.0 | 3949.5 | 4420.6 |
| 65° | 38.1 | 50.0 | 57.1 | 64.2 | 73.8 | 85.7 | 111.8 | 188.0 | 1996.2 | 2657.6 | 3188.1 |
| 67.5° | 33.3 | 42.8 | 47.6 | 52.3 | 61.9 | 73.8 | 90.4 | 130.9 | 1211.0 | 1596.4 | 2119.9 |
| 70° | 26.2 | 35.7 | 40.4 | 38.1 | 47.6 | 57.1 | 64.2 | 88.0 | 618.6 | 866.0 | 1206.3 |
| 72.5° | 19.0 | 28.6 | 30.9 | 30.9 | 28.6 | 40.4 | 47.6 | 61.9 | 268.9 | 421.1 | 547.2 |
| 75° | 14.3 | 19.0 | 21.4 | 19.0 | 16.7 | 26.2 | 33.3 | 40.4 | 176.1 | 252.2 | 318.8 |
| 77.5° | 7.1 | 7.1 | 11.9 | 11.9 | 7.1 | 14.3 | 16.7 | 23.8 | 99.9 | 147.5 | 183.2 |
| 80° | 2.4 | 0.0 | 0.0 | 2.4 | 0.0 | 4.8 | 7.1 | 11.9 | 52.3 | 78.5 | 114.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 26.2 | 23.8 | 59.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 14.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P1501786
CATALOG NUMBER: GSS-SB2B-730-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1456.1 | *1456.1* | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 | 1456.1 |
| 2.5° | 1472.7 | *1472.7* | 1482.2 | 1496.5 | 1503.7 | 1508.4 | 1510.8 | 1515.6 | 1534.6 | 1529.8 |
| 5° | 1534.6 | *1539.3* | 1546.5 | 1560.8 | 1577.4 | 1572.7 | 1572.7 | 1572.7 | 1584.6 | 1575.0 |
| 7.5° | 1615.5 | *1629.8* | 1632.1 | 1648.8 | 1636.9 | 1613.1 | 1598.8 | 1577.4 | 1575.0 | 1575.0 |
| 10° | 1746.3 | *1741.6* | 1741.6 | 1720.2 | 1677.3 | 1608.3 | 1546.5 | 1503.7 | 1479.9 | 1482.2 |
| 12.5° | 1886.7 | *1867.7* | 1870.1 | 1791.5 | 1670.2 | 1517.9 | 1391.8 | 1299.0 | 1291.9 | 1284.8 |
| 15° | 2060.4 | *2010.4* | 2000.9 | 1820.1 | 1563.1 | 1330.0 | 1206.3 | 1132.5 | 1108.7 | 1101.6 |
| 17.5° | 2307.8 | *2181.7* | 2136.5 | 1770.1 | 1422.8 | 1213.4 | 1120.6 | 1087.3 | 1084.9 | 1082.5 |
| 20° | 2569.5 | *2319.7* | 2234.1 | 1696.4 | 1375.2 | 1215.8 | 1146.8 | 1137.3 | 1132.5 | 1134.9 |
| 22.5° | 2874.1 | *2407.8* | 2298.3 | 1708.3 | 1418.0 | 1294.3 | 1239.6 | 1232.4 | 1227.7 | 1232.4 |
| 25° | 3188.1 | *2510.1* | 2374.4 | 1803.4 | 1546.5 | 1439.4 | 1375.2 | 1360.9 | 1375.2 | 1396.6 |
| 27.5° | 3504.6 | *2648.1* | 2524.3 | 1991.4 | 1753.5 | 1636.9 | 1575.0 | 1627.4 | 1648.8 | 1651.2 |
| 30° | 3785.3 | *2840.8* | 2726.6 | 2255.5 | 1989.0 | 1872.4 | 1884.3 | 1951.0 | 1977.1 | 2003.3 |
| 32.5° | 4042.3 | *3097.7* | 3009.7 | 2555.3 | 2293.6 | 2224.6 | 2217.4 | 2267.4 | 2295.9 | 2279.3 |
| 35° | 4301.6 | *3433.2* | 3347.5 | 2881.2 | 2667.1 | 2610.0 | 2550.5 | 2648.1 | 2638.5 | 2612.4 |
| 37.5° | 4546.7 | *3771.0* | 3692.5 | 3231.0 | 3009.7 | 2909.8 | 2900.3 | 2988.3 | 3066.8 | 3062.0 |
| 40° | 4722.7 | *4044.7* | 3949.5 | 3578.3 | 3369.0 | 3283.3 | 3333.3 | 3485.5 | 3466.5 | 3440.3 |
| 42.5° | 4884.5 | *4277.8* | 4192.2 | 3882.9 | 3664.0 | 3702.0 | 3747.3 | 3849.6 | 3837.7 | 3811.5 |
| 45° | 4960.6 | *4477.7* | 4403.9 | 4113.7 | 4006.6 | 4127.9 | 4125.5 | 4163.6 | 4099.4 | 4089.9 |
| 47.5° | 5067.7 | *4620.4* | 4544.3 | 4320.6 | 4415.8 | 4465.8 | 4325.4 | 4285.0 | 4225.5 | 4177.9 |
| 50° | 5265.2 | *4841.7* | 4765.6 | 4634.7 | 4715.6 | 4560.9 | 4389.6 | 4301.6 | 4180.3 | 4097.0 |
| 52.5° | 5496.0 | *5177.2* | 5110.5 | 5058.2 | 4832.2 | 4513.4 | 4294.5 | 4135.1 | 3987.6 | 3916.2 |
| 55° | 5786.2 | *5672.0* | 5624.4 | 5336.6 | 4727.5 | 4318.3 | 4061.3 | 3763.9 | 3561.7 | 3495.1 |
| 57.5° | 5881.4 | *6397.7* | 6381.0 | 5381.8 | 4434.8 | 3963.8 | 3499.8 | 3097.7 | 2888.4 | 2845.5 |
| 60° | *5600.7* | *6966.3* | *6906.8* | *5305.6* | *3904.3* | *3216.7* | *2674.2* | *2262.6* | *1922.4* | *1872.4* |
| 62.5° | 5241.4 | *6530.9* | 6509.5 | 4922.6 | 2974.0 | 2305.5 | 1998.5 | 1613.1 | 1468.0 | 1429.9 |
| 65° | 4489.6 | *5343.7* | 5353.2 | 3949.5 | 1882.0 | 1655.9 | 1641.7 | 1282.4 | 1104.0 | 1075.4 |
| 67.5° | 3457.0 | *4099.4* | 4032.8 | 2483.9 | 1096.8 | 1325.2 | 1310.9 | 937.4 | 678.1 | 659.0 |
| 70° | 2019.9 | *3052.5* | 2945.5 | 1291.9 | 725.7 | 1106.3 | 1008.8 | 659.0 | 461.6 | 440.2 |
| 72.5° | 892.2 | *1679.7* | 1803.4 | 568.6 | 511.5 | 880.3 | 728.0 | 404.5 | 259.3 | 254.6 |
| 75° | 494.9 | *832.7* | 870.8 | 247.4 | 359.3 | 625.7 | 440.2 | 226.0 | 147.5 | 145.1 |
| 77.5° | 297.4 | *368.8* | 359.3 | 159.4 | 268.9 | 399.7 | 266.5 | 128.5 | 92.8 | 88.0 |
| 80° | 166.5 | *168.9* | 142.8 | 116.6 | 159.4 | 223.6 | 149.9 | 80.9 | 42.8 | 42.8 |
| 82.5° | 102.3 | *92.8* | 73.8 | 35.7 | 42.8 | 135.6 | 54.7 | 45.2 | 14.3 | 14.3 |
| 85° | 42.8 | *28.6* | 19.0 | 7.1 | 16.7 | 35.7 | 19.0 | 21.4 | 7.1 | 7.1 |
| 87.5° | 0.0 | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

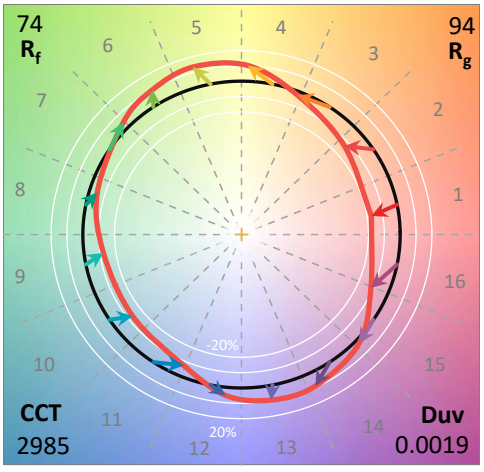
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-4 |
| 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-730-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2985 |
| CIE u': | 0.2504 |
| CIE v': | 0.5243 |
| Duv: | 0.0019 |
| CIE x: | 0.4408 |
| CIE y: | 0.4101 |
| CIE z: | 0.1491 |
| Peak Wavelength (nm): | 595 |
| Dominant Wavelength (nm): | 582 |
| Purity: | 55.41818 |
| Rf: | 73.8 |
| Rg: | 94.4 |

| | |
|---|---|
| CRI (Ra): | 70.8 |
| R1: | 66.3 |
| R2: | 80.6 |
| R3: | 94.5 |
| R4: | 68.2 |
| R5: | 66.5 |
| R6: | 74.7 |
| R7: | 76.2 |
| R8: | 39.6 |
| R9: | -43.2 |
| R10: | 57.6 |
| R11: | 64.8 |
| R12: | 53.5 |
| R13: | 68.7 |
| R14: | 97.0 |
| R15: | 56.4 |




## Test Conditions

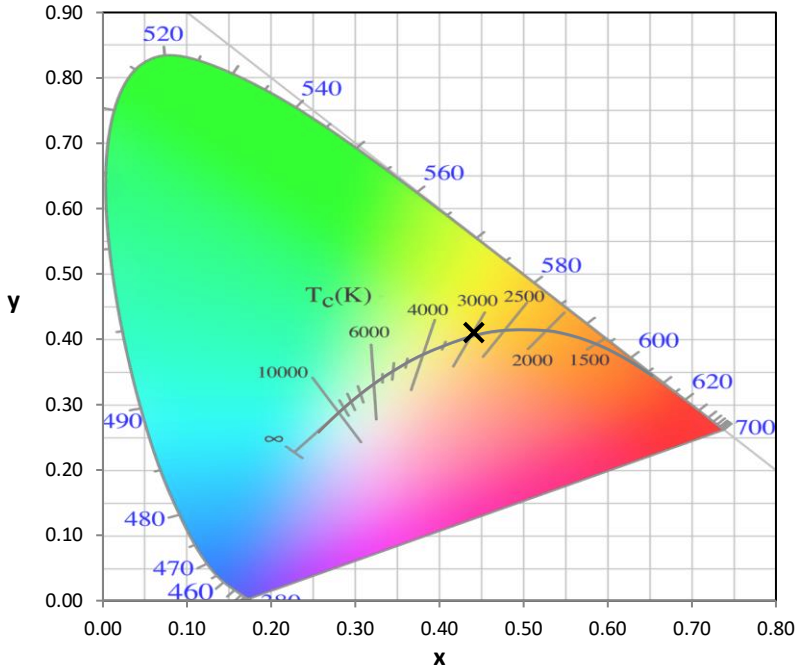
| | |
|---|---|
| Stabilization Time: | 36M |
| Operation Time: | 1H 36M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-4

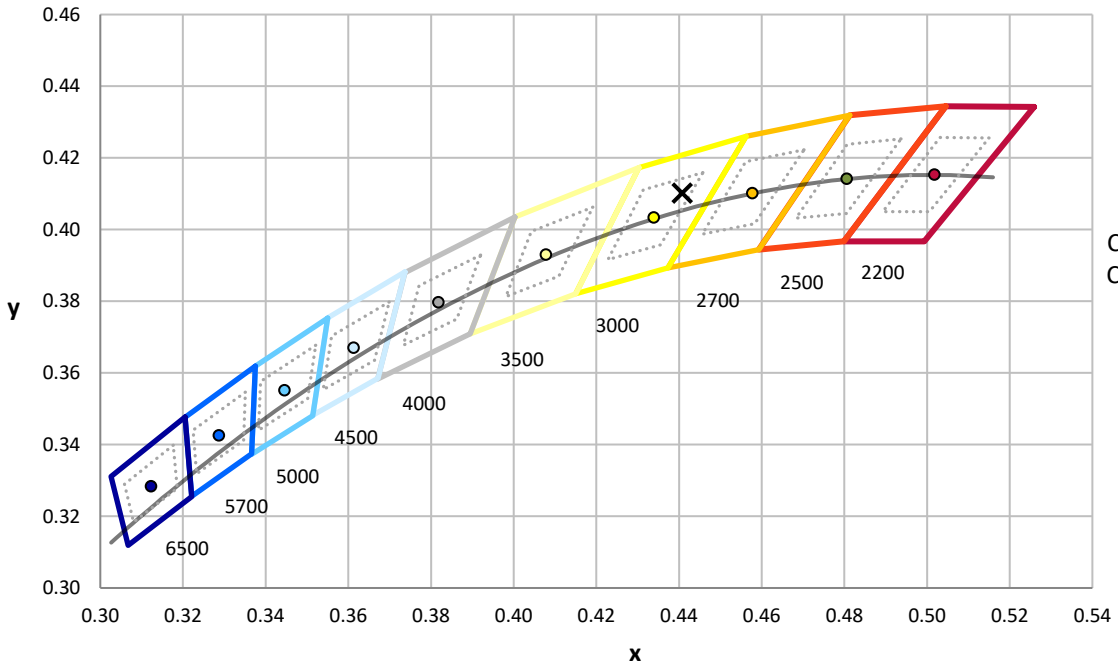
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-4

## CIE 1931 Chromaticity Diagram




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

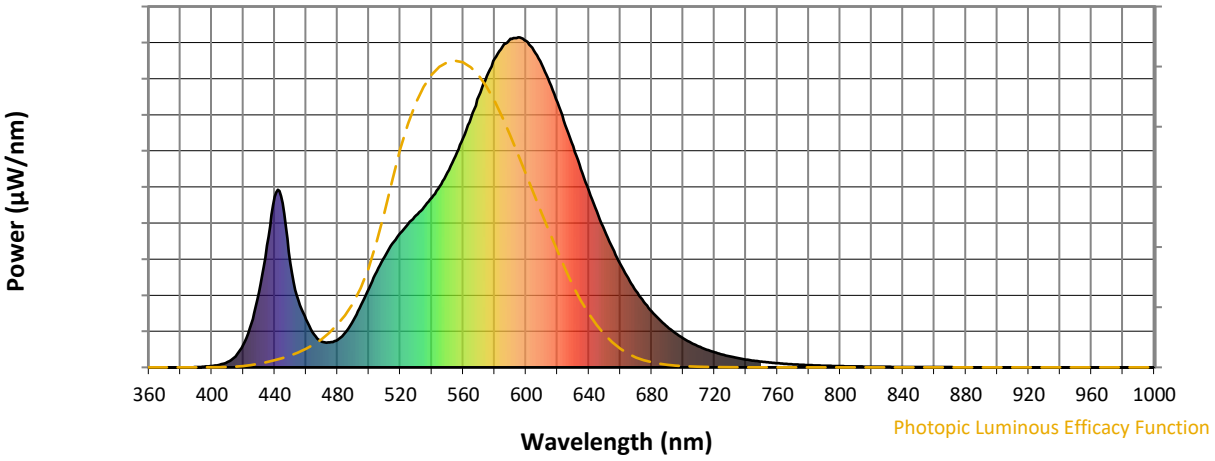



CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

## Photopic Flux vs. Wavelength

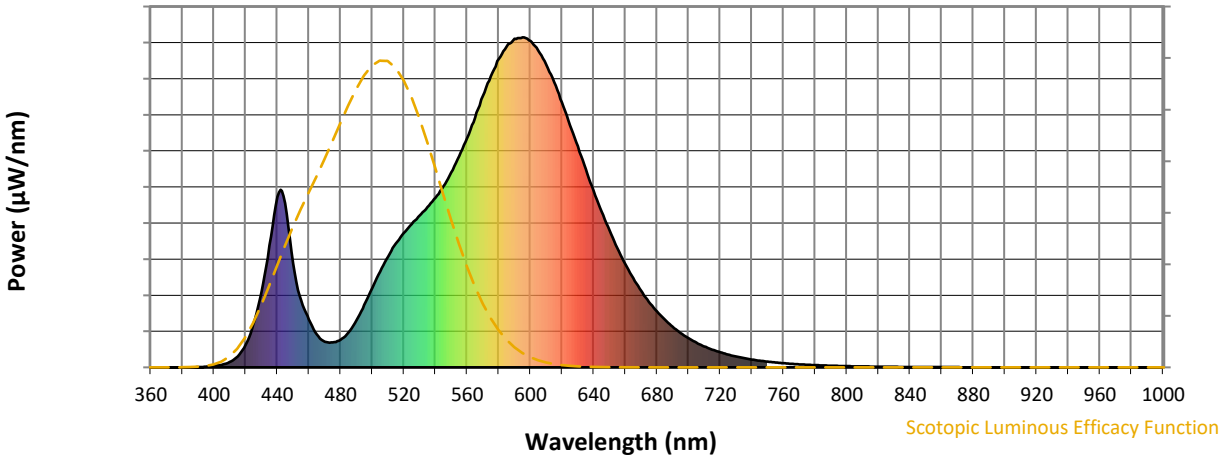



## Photopic Lumens: NR

| 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 | 142 | NR | 620 | 803 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 189 | NR | 625 | 734 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 240 | NR | 630 | 670 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 290 | NR | 635 | 600 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 335 | NR | 640 | 535 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 375 | NR | 645 | 473 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 408 | NR | 650 | 415 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 434 | NR | 655 | 362 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 461 | NR | 660 | 313 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 486 | NR | 665 | 271 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 16 | NR | 540 | 514 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 33 | NR | 545 | 549 | NR | 675 | 198 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 69 | NR | 550 | 591 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 640 | NR | 685 | 144 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 227 | NR | 560 | 695 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 369 | NR | 565 | 757 | NR | 695 | 104 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 517 | NR | 570 | 822 | NR | 700 | 88 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 498 | NR | 575 | 882 | NR | 705 | 75 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 315 | NR | 580 | 935 | NR | 710 | 63 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 204 | NR | 585 | 972 | NR | 715 | 54 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 145 | NR | 590 | 996 | NR | 720 | 46 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 100 | NR | 595 | 1000 | NR | 725 | 39 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 78 | NR | 600 | 989 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 960 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 83 | NR | 610 | 918 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 105 | NR | 615 | 864 | NR | 745 | 20 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-4

## Scotopic Flux vs. Wavelength

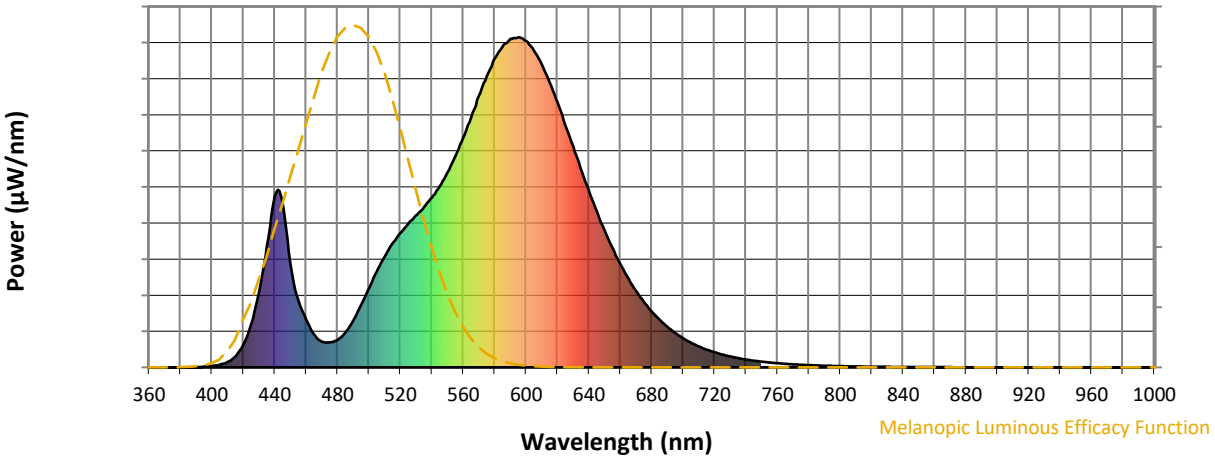



**Scotopic Lumens: NR** **S/P: 1.19**

| 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 | 142 | NR | 620 | 803 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 189 | NR | 625 | 734 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 240 | NR | 630 | 670 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 290 | NR | 635 | 600 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 335 | NR | 640 | 535 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 375 | NR | 645 | 473 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 408 | NR | 650 | 415 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 434 | NR | 655 | 362 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 461 | NR | 660 | 313 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 486 | NR | 665 | 271 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 16 | NR | 540 | 514 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 33 | NR | 545 | 549 | NR | 675 | 198 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 69 | NR | 550 | 591 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 640 | NR | 685 | 144 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 227 | NR | 560 | 695 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 369 | NR | 565 | 757 | NR | 695 | 104 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 517 | NR | 570 | 822 | NR | 700 | 88 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 498 | NR | 575 | 882 | NR | 705 | 75 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 315 | NR | 580 | 935 | NR | 710 | 63 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 204 | NR | 585 | 972 | NR | 715 | 54 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 145 | NR | 590 | 996 | NR | 720 | 46 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 100 | NR | 595 | 1000 | NR | 725 | 39 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 78 | NR | 600 | 989 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 960 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 83 | NR | 610 | 918 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 105 | NR | 615 | 864 | NR | 745 | 20 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-4

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.13**

| 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 | 142 | NR | 620 | 803 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 189 | NR | 625 | 734 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 240 | NR | 630 | 670 | NR | 760 | 13 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 290 | NR | 635 | 600 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 335 | NR | 640 | 535 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 375 | NR | 645 | 473 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 408 | NR | 650 | 415 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 2 | NR | 525 | 434 | NR | 655 | 362 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 4 | NR | 530 | 461 | NR | 660 | 313 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 8 | NR | 535 | 486 | NR | 665 | 271 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 16 | NR | 540 | 514 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 33 | NR | 545 | 549 | NR | 675 | 198 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 69 | NR | 550 | 591 | NR | 680 | 169 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 131 | NR | 555 | 640 | NR | 685 | 144 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 227 | NR | 560 | 695 | NR | 690 | 123 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 369 | NR | 565 | 757 | NR | 695 | 104 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 517 | NR | 570 | 822 | NR | 700 | 88 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 498 | NR | 575 | 882 | NR | 705 | 75 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 315 | NR | 580 | 935 | NR | 710 | 63 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 204 | NR | 585 | 972 | NR | 715 | 54 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 145 | NR | 590 | 996 | NR | 720 | 46 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 100 | NR | 595 | 1000 | NR | 725 | 39 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 78 | NR | 600 | 989 | NR | 730 | 33 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 76 | NR | 605 | 960 | NR | 735 | 28 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 83 | NR | 610 | 918 | NR | 740 | 24 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 105 | NR | 615 | 864 | NR | 745 | 20 | NR | 875 | 1 | NR | | | |

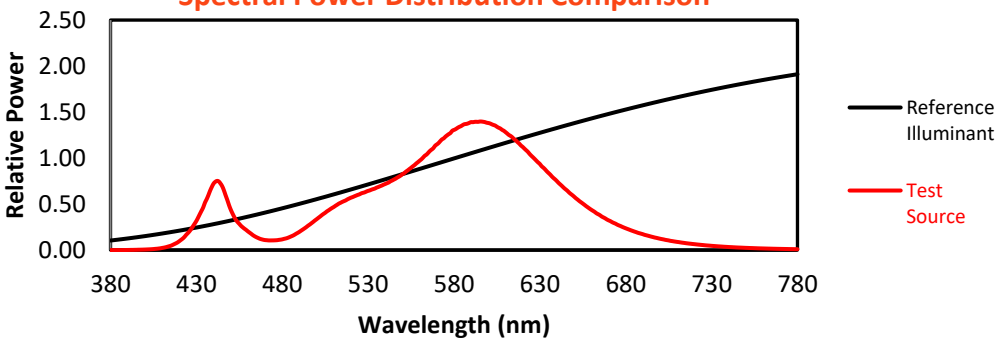
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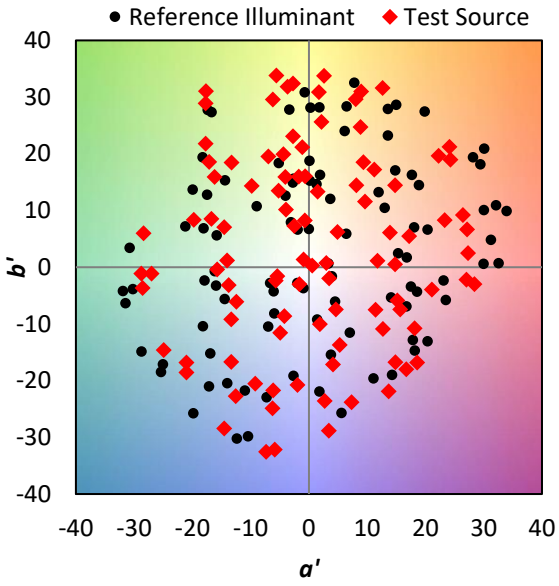
## Summary

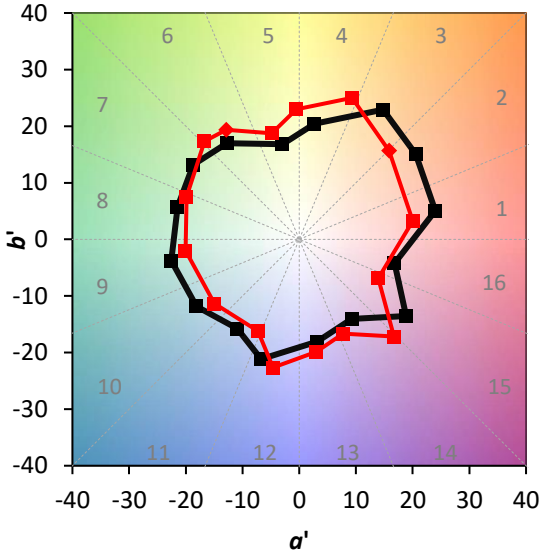
$R_f$ = 73.8
$R_g$ = 94.4
CIE $R_a$ = 70.8
$R_9$ = -43.2

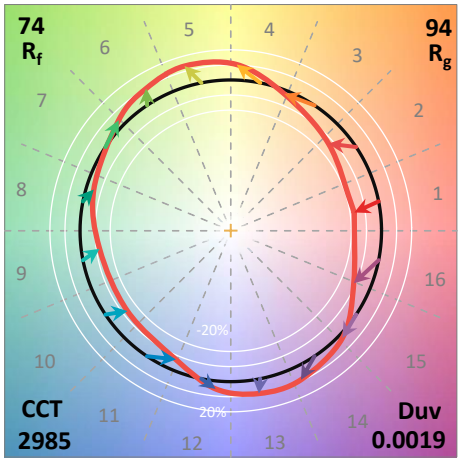
## Spectral Power Distribution Comparison

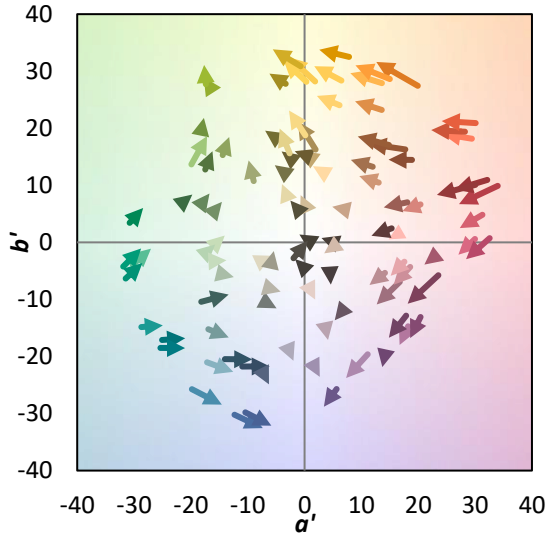



## Color Vector Graphics



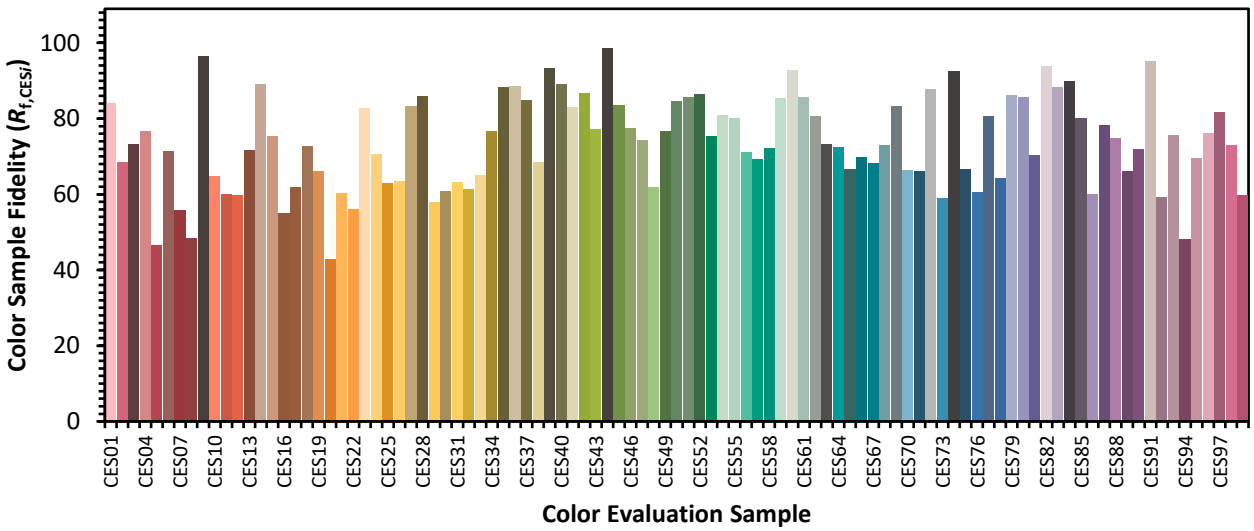



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**Individual Sample Fidelity Index ($R_{f,i}$)**

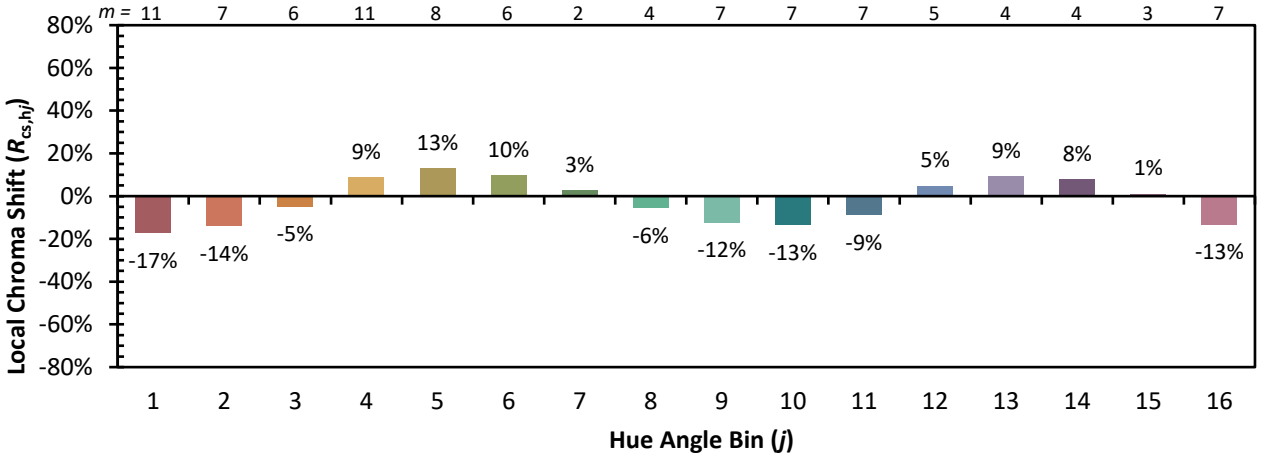
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 63 | CES51 = 86 | CES76 = 61 |
| CES02 = 62 | CES27 = 83 | CES52 = 86 | CES77 = 81 |
| CES03 = 31 | CES28 = 86 | CES53 = 75 | CES78 = 64 |
| CES04 = 71 | CES29 = 58 | CES54 = 81 | CES79 = 86 |
| CES05 = 49 | CES30 = 61 | CES55 = 80 | CES80 = 86 |
| CES06 = 51 | CES31 = 63 | CES56 = 71 | CES81 = 70 |
| CES07 = 41 | CES32 = 61 | CES57 = 69 | CES82 = 94 |
| CES08 = 40 | CES33 = 65 | CES58 = 72 | CES83 = 88 |
| CES09 = 29 | CES34 = 77 | CES59 = 85 | CES84 = 90 |
| CES10 = 76 | CES35 = 88 | CES60 = 93 | CES85 = 80 |
| CES11 = 59 | CES36 = 89 | CES61 = 86 | CES86 = 60 |
| CES12 = 65 | CES37 = 85 | CES62 = 81 | CES87 = 78 |
| CES13 = 43 | CES38 = 69 | CES63 = 73 | CES88 = 75 |
| CES14 = 74 | CES39 = 93 | CES64 = 72 | CES89 = 66 |
| CES15 = 71 | CES40 = 89 | CES65 = 67 | CES90 = 72 |
| CES16 = 47 | CES41 = 83 | CES66 = 70 | CES91 = 95 |
| CES17 = 50 | CES42 = 87 | CES67 = 68 | CES92 = 59 |
| CES18 = 56 | CES43 = 77 | CES68 = 73 | CES93 = 76 |
| CES19 = 73 | CES44 = 99 | CES69 = 83 | CES94 = 48 |
| CES20 = 66 | CES45 = 83 | CES70 = 66 | CES95 = 70 |
| CES21 = 87 | CES46 = 77 | CES71 = 66 | CES96 = 76 |
| CES22 = 79 | CES47 = 74 | CES72 = 88 | CES97 = 82 |
| CES23 = 92 | CES48 = 62 | CES73 = 59 | CES98 = 73 |
| CES24 = 91 | CES49 = 77 | CES74 = 93 | CES99 = 60 |
| CES25 = 73 | CES50 = 85 | CES75 = 67 | |

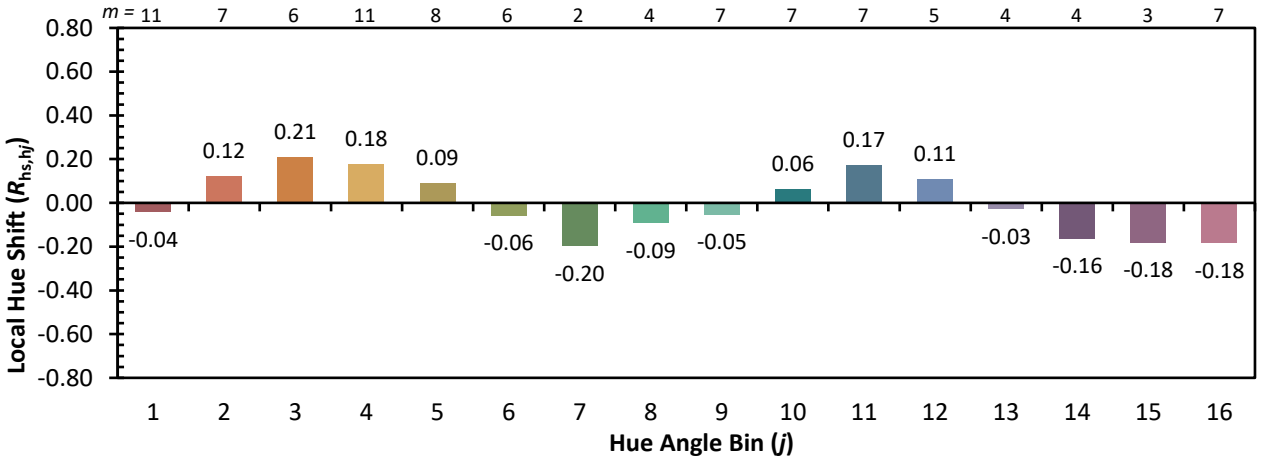


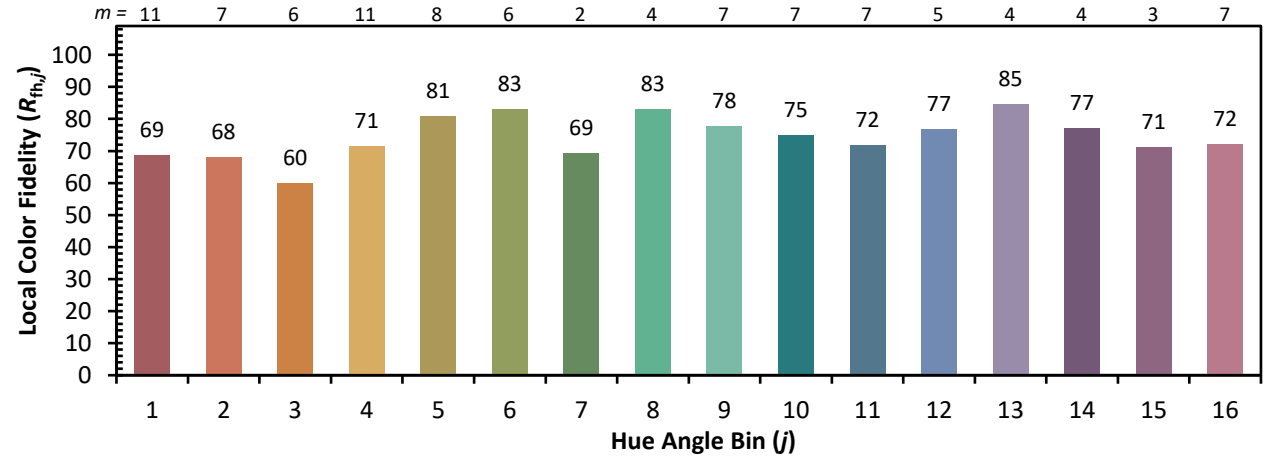
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## Color Rendition by Hue-Angle Bin



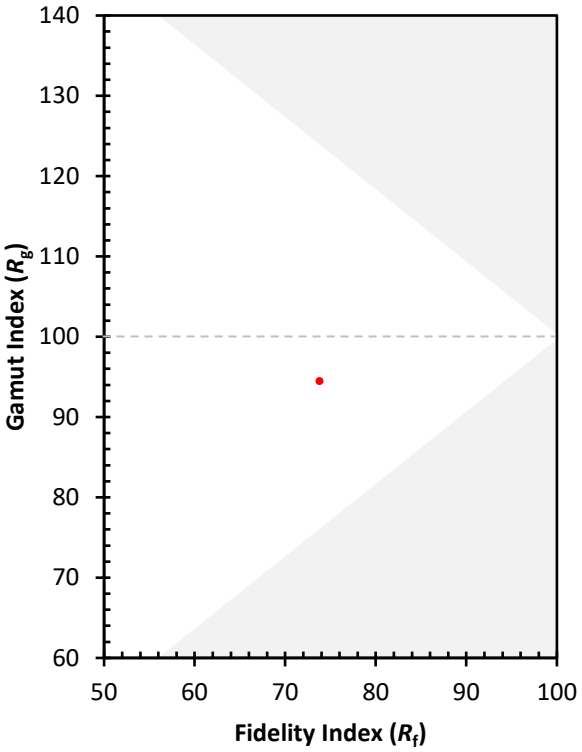



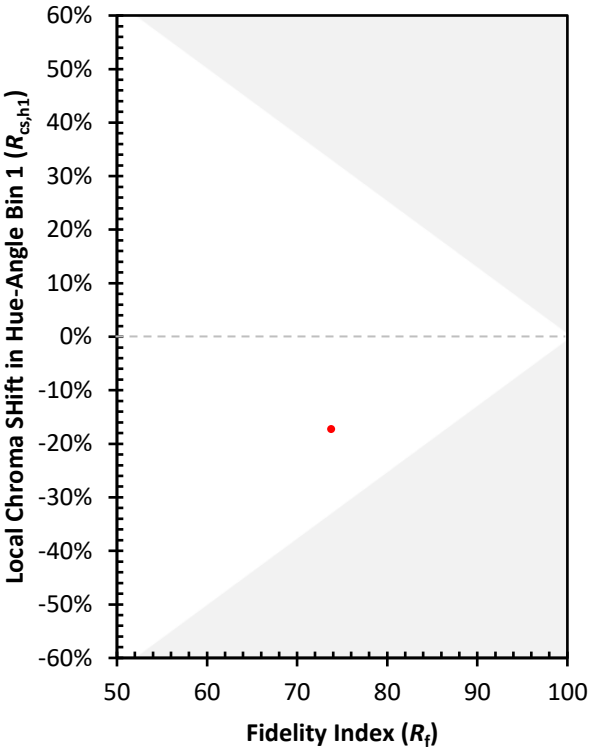



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## Measure Comparisons




(END OF REPORT)