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: P1364511

Luminaire Tested: **GSS-SB3A-740-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: | P1364511 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3A-740-U-SLR-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD |
| Light Source: | (78) 4000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 10016 lumens |
| Efficiency: | N/A |
| Efficacy: | 117.8 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 |

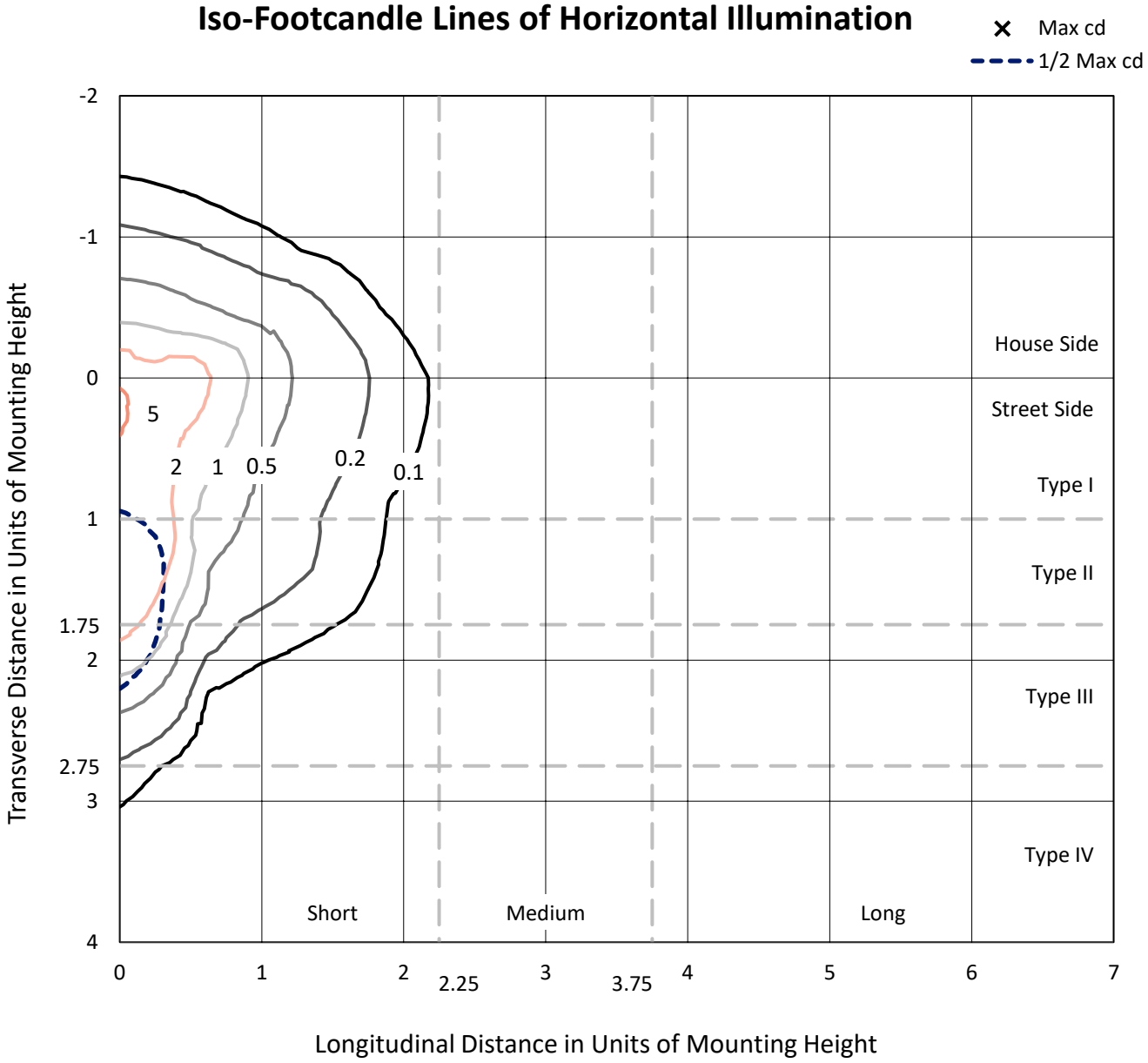
| | |
|---|---|
| Input Watts (W): | 85 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 11.0% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



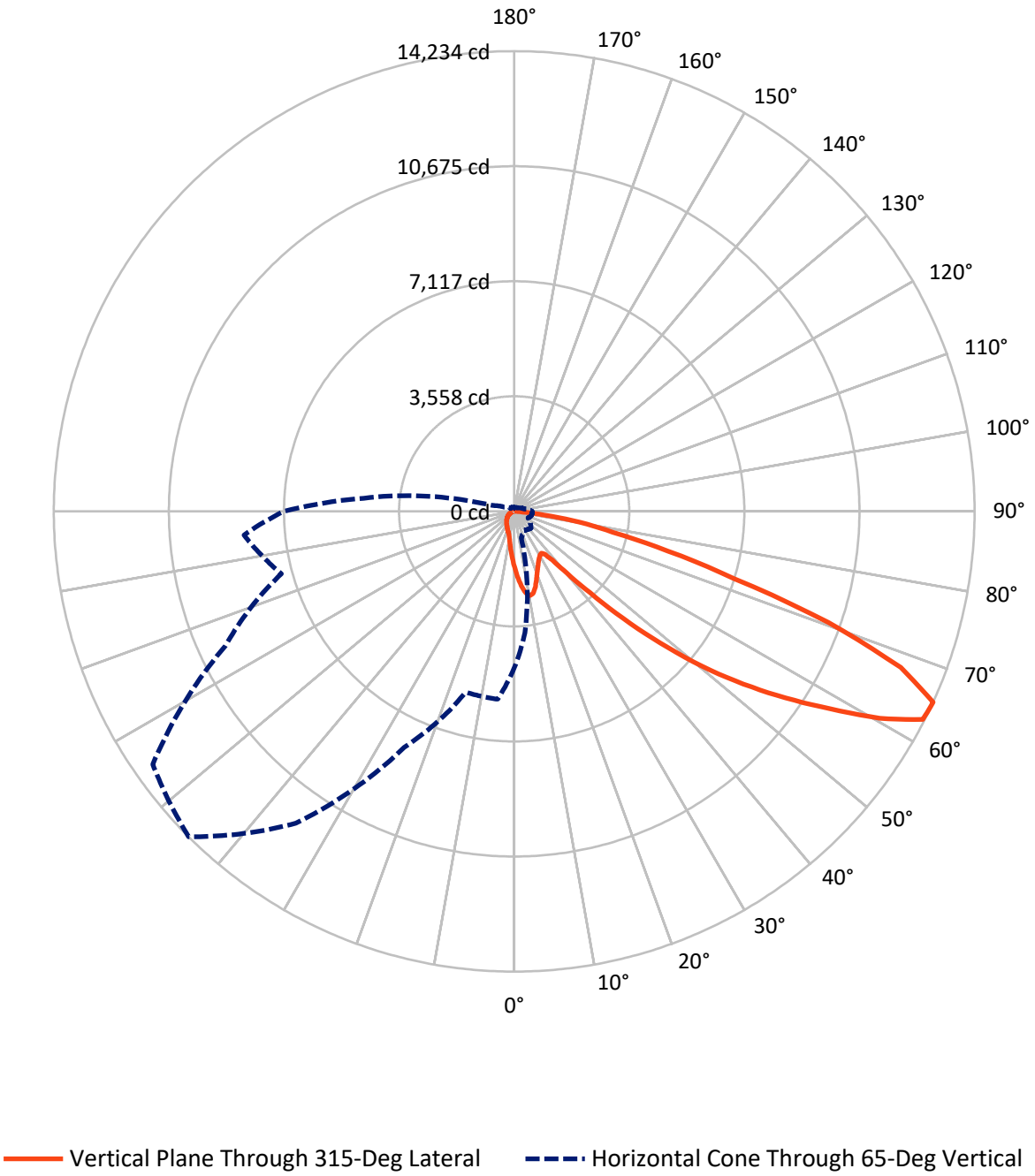

Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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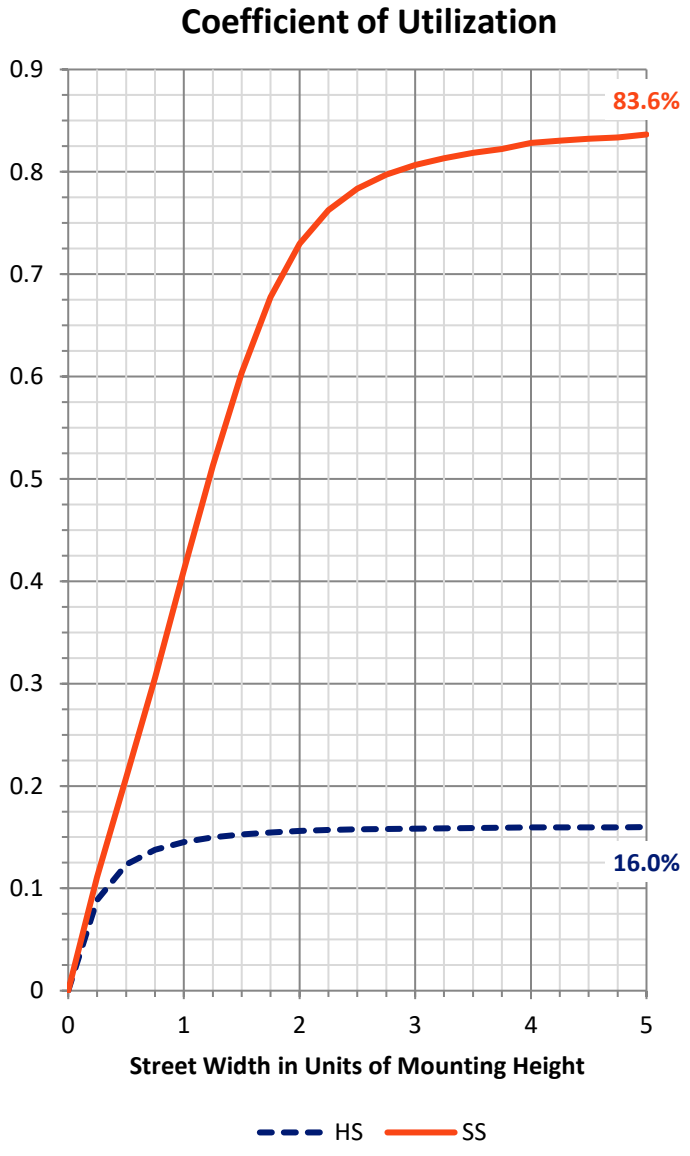
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1619.1 | 0.0 | 1619.1 |
| | % Fixture | 16.2 | 0.0 | 16.2 |
| **Street Side** | Lumens | 8396.9 | 0.0 | 8396.9 |
| | % Fixture | 83.8 | 0.0 | 83.8 |
| **Total** | Lumens | 10016.0 | 0.0 | 10016.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 166.4 | 1.7 |
| 10°-20° | 460.2 | 4.6 |
| 20°-30° | 659.2 | 6.6 |
| 30°-40° | 826.8 | 8.3 |
| 40°-50° | 1358.2 | 13.6 |
| 50°-60° | 2450.9 | 24.5 |
| 60°-70° | 2720.0 | 27.2 |
| 70°-80° | 1228.9 | 12.3 |
| 80°-90° | 145.3 | 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° | 10016.0 | 100.0 |
| 0°-180° | 10016.0 | 100.0 |



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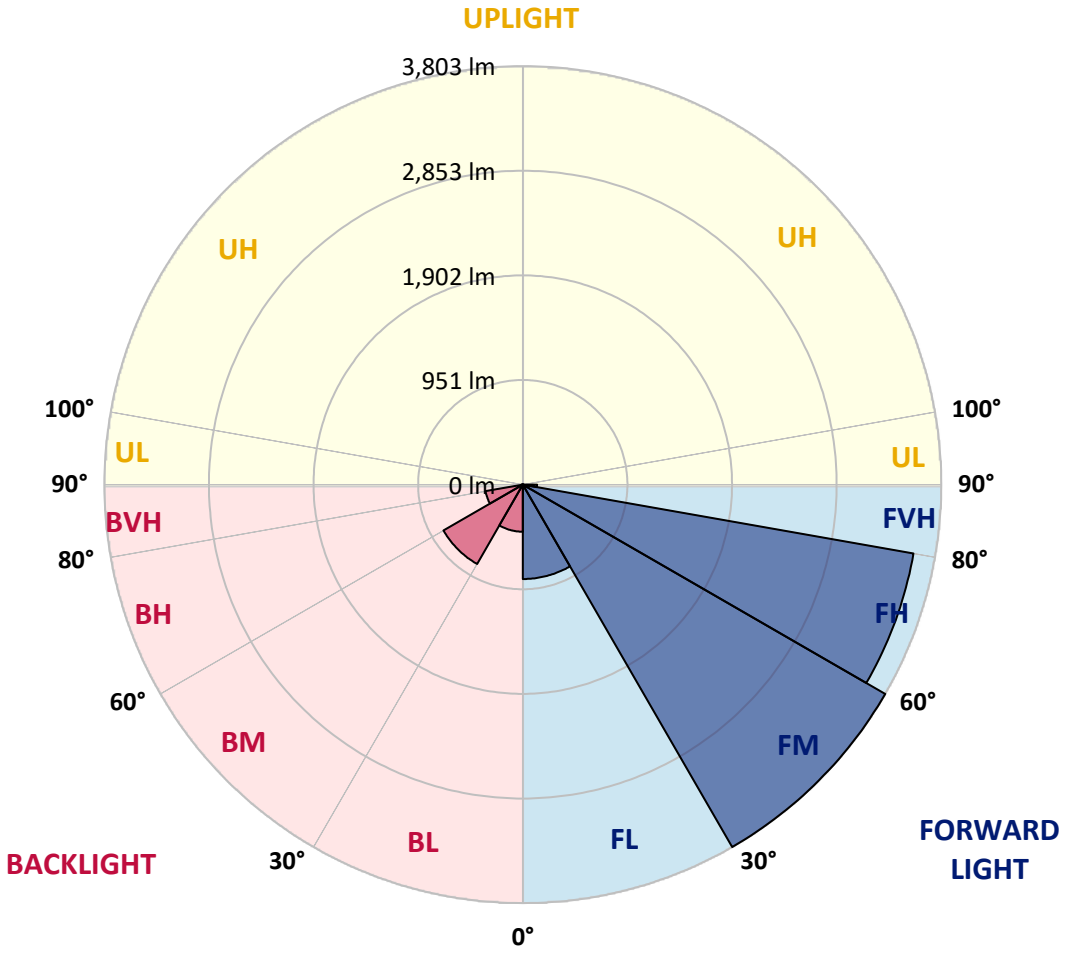
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 858.0 | 8.6 | | | |
| FM | (30°-60°) | 3803.4 | 38.0 | | | |
| FH | (60°-80°) | 3605.1 | 36.0 | | | G2/5000 |
| FVH | (80°-90°) | 130.4 | 1.3 | | | G2/225 |
| BL | (0°-30°) | 427.9 | 4.3 | B1/500 | | |
| BM | (30°-60°) | 832.6 | 8.3 | B1/1000 | | |
| BH | (60°-80°) | 343.9 | 3.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 14.9 | 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° | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 |
| 2.5° | 1953.0 | 1951.2 | 1943.8 | 1897.6 | 1851.5 | 1811.5 | 1771.5 | 1731.6 | 1676.2 | 1633.1 | 1596.2 |
| 5° | 2137.5 | 2127.7 | 2088.3 | 2017.6 | 1940.7 | 1873.0 | 1796.2 | 1722.3 | 1639.3 | 1571.6 | 1500.9 |
| 7.5° | 2263.6 | 2253.8 | 2214.4 | 2097.6 | 1980.7 | 1897.6 | 1814.6 | 1737.7 | 1645.4 | 1556.3 | 1454.8 |
| 10° | 2322.1 | 2311.0 | 2266.7 | 2140.6 | 2005.3 | 1903.8 | 1820.8 | 1750.0 | 1673.1 | 1583.9 | 1457.8 |
| 12.5° | 2362.1 | 2348.5 | 2294.4 | 2149.8 | 2011.4 | 1910.0 | 1823.8 | 1756.2 | 1700.8 | 1648.5 | 1525.5 |
| 15° | 2386.7 | 2374.4 | 2325.2 | 2174.5 | 2014.5 | 1900.7 | 1799.2 | 1734.6 | 1716.2 | 1725.4 | 1667.0 |
| 17.5° | 2423.6 | 2411.9 | 2365.1 | 2205.2 | 2033.0 | 1885.3 | 1746.9 | 1676.2 | 1716.2 | 1799.2 | 1817.7 |
| 20° | 2472.8 | 2460.5 | 2411.3 | 2245.2 | 2048.4 | 1839.2 | 1648.5 | 1580.9 | 1682.4 | 1820.8 | 1916.1 |
| 22.5° | 2528.1 | 2518.3 | 2478.9 | 2291.3 | 2063.7 | 1771.5 | 1519.3 | 1488.6 | 1611.6 | 1759.2 | 1882.3 |
| 25° | 2595.8 | 2586.6 | 2549.7 | 2355.9 | 2079.1 | 1679.3 | 1408.6 | 1414.8 | 1519.3 | 1636.2 | 1762.3 |
| 27.5° | 2688.1 | 2679.5 | 2645.0 | 2435.9 | 2097.6 | 1583.9 | 1319.4 | 1350.2 | 1427.1 | 1507.0 | 1583.9 |
| 30° | 2789.6 | 2782.8 | 2755.7 | 2531.2 | 2134.5 | 1494.7 | 1267.2 | 1285.6 | 1337.9 | 1402.5 | 1448.6 |
| 32.5° | 2928.0 | 2916.9 | 2872.6 | 2620.4 | 2131.4 | 1427.1 | 1242.5 | 1224.1 | 1239.5 | 1291.8 | 1337.9 |
| 35° | 3100.2 | 3091.6 | 3057.2 | 2712.7 | 2076.0 | 1365.6 | 1230.2 | 1165.7 | 1156.4 | 1187.2 | 1233.3 |
| 37.5° | 3352.4 | 3345.0 | 3315.5 | 2863.4 | 1989.9 | 1288.7 | 1199.5 | 1104.1 | 1073.4 | 1094.9 | 1125.7 |
| 40° | 3730.7 | 3711.6 | 3635.4 | 3035.6 | 1894.6 | 1211.8 | 1144.1 | 1030.3 | 987.3 | 1002.6 | 1036.5 |
| 42.5° | 4244.3 | 4208.0 | 4062.9 | 3266.3 | 1765.4 | 1138.0 | 1061.1 | 956.5 | 910.4 | 919.6 | 950.4 |
| 45° | 4902.5 | 4847.8 | 4628.8 | 3583.1 | 1630.1 | 1079.5 | 975.0 | 879.6 | 830.4 | 839.6 | 873.5 |
| 47.5° | 5671.4 | 5596.4 | 5296.2 | 3915.2 | 1485.5 | 1045.7 | 907.3 | 802.7 | 765.8 | 787.4 | 821.2 |
| 50° | 6578.7 | 6503.1 | 6200.4 | 4127.5 | 1368.6 | 1024.2 | 855.0 | 732.0 | 716.6 | 744.3 | 772.0 |
| 52.5° | 7569.1 | 7461.4 | 7030.8 | 3992.1 | 1273.3 | 1005.7 | 836.6 | 682.8 | 688.9 | 710.5 | 738.1 |
| 55° | 8531.7 | 8292.5 | 7335.3 | 3543.1 | 1150.3 | 984.2 | 848.9 | 645.9 | 661.3 | 688.9 | 710.5 |
| 57.5° | 9159.2 | 8743.3 | 7080.0 | 2854.2 | 1021.1 | 959.6 | 858.1 | 627.4 | 639.7 | 670.5 | 695.1 |
| 60° | 8611.7 | 8193.4 | 6520.3 | 2137.5 | 910.4 | 907.3 | 842.7 | 621.3 | 602.8 | 645.9 | 667.4 |
| 62.5° | 7055.4 | 6711.0 | 5333.1 | 1365.6 | 805.8 | 808.9 | 808.9 | 618.2 | 541.3 | 596.7 | 615.1 |
| 65° | *4847.2* | *4631.9* | *3770.7* | *845.8* | *658.2* | *688.9* | *735.1* | *599.7* | *476.7* | *541.3* | *559.8* |
| 67.5° | 3186.3 | 3028.2 | 2395.9 | 522.9 | 507.5 | 565.9 | 636.7 | 562.8 | 427.5 | 485.9 | 498.2 |
| 70° | 1728.5 | 1608.5 | 1128.7 | 344.5 | 332.2 | 442.9 | 501.3 | 476.7 | 384.5 | 433.7 | 446.0 |
| 72.5° | 1141.1 | 1042.6 | 649.0 | 243.0 | 243.0 | 347.5 | 350.6 | 390.6 | 344.5 | 384.5 | 396.8 |
| 75° | 858.1 | 770.1 | 418.3 | 169.2 | 187.6 | 221.4 | 273.7 | 279.9 | 289.1 | 326.0 | 341.4 |
| 77.5° | 393.7 | 345.7 | 153.8 | 101.5 | 138.4 | 153.8 | 209.1 | 178.4 | 215.3 | 243.0 | 249.1 |
| 80° | 227.6 | 199.3 | 86.1 | 67.7 | 89.2 | 98.4 | 172.2 | 104.6 | 129.2 | 172.2 | 181.5 |
| 82.5° | 95.3 | 84.9 | 43.1 | 46.1 | 55.4 | 58.4 | 95.3 | 73.8 | 83.0 | 113.8 | 110.7 |
| 85° | 27.7 | 27.7 | 27.7 | 30.8 | 33.8 | 33.8 | 55.4 | 52.3 | 49.2 | 52.3 | 52.3 |
| 87.5° | 18.5 | 18.5 | 18.5 | 18.5 | 21.5 | 21.5 | 24.6 | 27.7 | 30.8 | 30.8 | 30.8 |
| 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° | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 |
| 2.5° | 1580.9 | 1559.3 | 1531.7 | 1491.7 | 1485.5 | 1464.0 | 1448.6 | 1464.0 | 1479.4 | 1507.0 | 1510.1 |
| 5° | 1464.0 | 1430.2 | 1365.6 | 1316.4 | 1261.0 | 1233.3 | 1230.2 | 1224.1 | 1242.5 | 1282.5 | 1307.1 |
| 7.5° | 1399.4 | 1344.0 | 1227.2 | 1141.1 | 1064.2 | 1036.5 | 1015.0 | 1033.4 | 1030.3 | 1082.6 | 1104.1 |
| 10° | 1384.0 | 1297.9 | 1134.9 | 1005.7 | 910.4 | 873.5 | 851.9 | 848.9 | 855.0 | 885.8 | 907.3 |
| 12.5° | 1439.4 | 1328.7 | 1098.0 | 907.3 | 796.6 | 756.6 | 732.0 | 710.5 | 710.5 | 716.6 | 744.3 |
| 15° | 1562.4 | 1430.2 | 1119.5 | 861.2 | 741.2 | 688.9 | 649.0 | 621.3 | 599.7 | 602.8 | 605.9 |
| 17.5° | 1734.6 | 1577.8 | 1174.9 | 845.8 | 707.4 | 652.0 | 602.8 | 575.1 | 550.5 | 544.4 | 544.4 |
| 20° | 1870.0 | 1719.3 | 1217.9 | 833.5 | 679.7 | 609.0 | 565.9 | 541.3 | 519.8 | 510.6 | 510.6 |
| 22.5° | 1885.3 | 1777.7 | 1254.8 | 818.1 | 645.9 | 565.9 | 525.9 | 504.4 | 489.0 | 485.9 | 485.9 |
| 25° | 1783.9 | 1731.6 | 1242.5 | 799.7 | 612.0 | 525.9 | 495.2 | 476.7 | 461.3 | 458.3 | 461.3 |
| 27.5° | 1614.7 | 1587.0 | 1199.5 | 775.1 | 584.4 | 495.2 | 467.5 | 452.1 | 436.7 | 433.7 | 436.7 |
| 30° | 1464.0 | 1433.2 | 1125.7 | 735.1 | 562.8 | 470.6 | 439.8 | 424.4 | 409.1 | 409.1 | 412.1 |
| 32.5° | 1341.0 | 1310.2 | 1051.9 | 688.9 | 535.2 | 442.9 | 415.2 | 399.8 | 384.5 | 384.5 | 390.6 |
| 35° | 1230.2 | 1205.6 | 993.4 | 642.8 | 507.5 | 418.3 | 387.5 | 375.2 | 362.9 | 359.8 | 366.0 |
| 37.5° | 1134.9 | 1122.6 | 941.1 | 593.6 | 479.8 | 393.7 | 366.0 | 353.7 | 338.3 | 335.2 | 341.4 |
| 40° | 1042.6 | 1036.5 | 882.7 | 550.5 | 446.0 | 369.1 | 341.4 | 329.1 | 310.6 | 310.6 | 316.8 |
| 42.5° | 956.5 | 953.4 | 830.4 | 522.9 | 415.2 | 344.5 | 313.7 | 301.4 | 286.0 | 286.0 | 292.2 |
| 45° | 888.9 | 885.8 | 781.2 | 507.5 | 384.5 | 316.8 | 289.1 | 273.7 | 261.4 | 264.5 | 270.7 |
| 47.5° | 827.3 | 821.2 | 728.9 | 510.6 | 369.1 | 298.3 | 261.4 | 246.0 | 236.8 | 243.0 | 252.2 |
| 50° | 778.1 | 772.0 | 692.0 | 513.6 | 344.5 | 273.7 | 239.9 | 224.5 | 218.4 | 227.6 | 236.8 |
| 52.5° | 747.4 | 741.2 | 655.1 | 495.2 | 313.7 | 255.3 | 218.4 | 209.1 | 209.1 | 218.4 | 224.5 |
| 55° | 716.6 | 710.5 | 593.6 | 455.2 | 279.9 | 236.8 | 203.0 | 196.8 | 196.8 | 206.1 | 212.2 |
| 57.5° | 698.2 | 685.9 | 529.0 | 409.1 | 252.2 | 215.3 | 187.6 | 187.6 | 187.6 | 190.7 | 193.8 |
| 60° | 670.5 | 639.7 | 461.3 | 350.6 | 230.7 | 193.8 | 175.3 | 172.2 | 172.2 | 169.2 | 172.2 |
| 62.5° | 612.0 | 559.8 | 387.5 | 298.3 | 206.1 | 175.3 | 159.9 | 156.9 | 147.6 | 138.4 | 141.5 |
| 65° | *553.6* | *473.6* | *307.6* | *249.1* | *178.4* | *150.7* | *141.5* | *138.4* | *123.0* | *110.7* | *113.8* |
| 67.5° | 479.8 | 378.3 | 230.7 | 209.1 | 153.8 | 129.2 | 119.9 | 119.9 | 110.7 | 101.5 | 101.5 |
| 70° | 427.5 | 295.3 | 193.8 | 156.9 | 123.0 | 101.5 | 101.5 | 107.6 | 98.4 | 86.1 | 86.1 |
| 72.5° | 378.3 | 239.9 | 156.9 | 126.1 | 95.3 | 80.0 | 86.1 | 89.2 | 80.0 | 70.7 | 70.7 |
| 75° | 322.9 | 187.6 | 123.0 | 98.4 | 70.7 | 61.5 | 64.6 | 70.7 | 64.6 | 55.4 | 58.4 |
| 77.5° | 233.7 | 129.2 | 83.0 | 64.6 | 52.3 | 46.1 | 49.2 | 49.2 | 46.1 | 43.1 | 43.1 |
| 80° | 163.0 | 86.1 | 55.4 | 43.1 | 36.9 | 33.8 | 33.8 | 30.8 | 30.8 | 33.8 | 33.8 |
| 82.5° | 98.4 | 61.5 | 40.0 | 33.8 | 27.7 | 21.5 | 21.5 | 24.6 | 24.6 | 27.7 | 27.7 |
| 85° | 43.1 | 36.9 | 27.7 | 24.6 | 18.5 | 15.4 | 18.5 | 18.5 | 21.5 | 24.6 | 24.6 |
| 87.5° | 27.7 | 27.7 | 21.5 | 18.5 | 15.4 | 12.3 | 12.3 | 15.4 | 15.4 | 18.5 | 21.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 |
| 2.5° | 1522.4 | 1553.2 | 1590.1 | 1642.4 | 1688.5 | 1743.9 | 1799.2 | 1851.5 | 1900.7 | 1906.9 | 1928.4 |
| 5° | 1325.6 | 1384.0 | 1457.8 | 1544.0 | 1648.5 | 1759.2 | 1866.9 | 1980.7 | 2073.0 | 2106.8 | 2156.0 |
| 7.5° | 1122.6 | 1196.4 | 1304.1 | 1436.3 | 1583.9 | 1750.0 | 1916.1 | 2076.0 | 2214.4 | 2279.0 | 2343.6 |
| 10° | 928.8 | 999.6 | 1131.8 | 1291.8 | 1482.4 | 1707.0 | 1928.4 | 2143.7 | 2312.9 | 2386.7 | 2448.2 |
| 12.5° | 753.5 | 824.3 | 931.9 | 1116.4 | 1347.1 | 1617.8 | 1910.0 | 2168.3 | 2355.9 | 2432.8 | 2491.2 |
| 15° | 615.1 | 673.6 | 775.1 | 947.3 | 1190.3 | 1494.7 | 1845.4 | 2149.8 | 2365.1 | 2439.0 | 2482.0 |
| 17.5° | 541.3 | 556.7 | 621.3 | 778.1 | 1042.6 | 1384.0 | 1762.3 | 2125.2 | 2371.3 | 2439.0 | 2463.6 |
| 20° | 510.6 | 510.6 | 522.9 | 605.9 | 864.2 | 1267.2 | 1700.8 | 2109.9 | 2380.5 | 2448.2 | 2445.1 |
| 22.5° | 482.9 | 489.0 | 489.0 | 507.5 | 658.2 | 1104.1 | 1636.2 | 2103.7 | 2408.2 | 2460.5 | 2417.4 |
| 25° | 458.3 | 467.5 | 467.5 | 473.6 | 516.7 | 910.4 | 1556.3 | 2116.0 | 2457.4 | 2485.1 | 2399.0 |
| 27.5° | 436.7 | 446.0 | 446.0 | 452.1 | 461.3 | 676.6 | 1424.0 | 2119.1 | 2512.8 | 2515.8 | 2374.4 |
| 30° | 415.2 | 424.4 | 430.6 | 430.6 | 436.7 | 498.2 | 1257.9 | 2100.6 | 2574.3 | 2555.8 | 2371.3 |
| 32.5° | 390.6 | 402.9 | 406.0 | 412.1 | 415.2 | 433.7 | 1042.6 | 2069.9 | 2651.2 | 2611.2 | 2374.4 |
| 35° | 369.1 | 384.5 | 387.5 | 387.5 | 393.7 | 412.1 | 833.5 | 2036.1 | 2755.7 | 2685.0 | 2386.7 |
| 37.5° | 347.5 | 359.8 | 362.9 | 366.0 | 372.1 | 390.6 | 661.3 | 1986.8 | 2844.9 | 2777.3 | 2448.2 |
| 40° | 322.9 | 338.3 | 341.4 | 344.5 | 350.6 | 369.1 | 569.0 | 1925.3 | 2980.3 | 2931.1 | 2540.5 |
| 42.5° | 298.3 | 313.7 | 319.9 | 322.9 | 326.0 | 350.6 | 519.8 | 1882.3 | 3198.6 | 3146.3 | 2728.1 |
| 45° | 276.8 | 292.2 | 298.3 | 298.3 | 304.5 | 338.3 | 476.7 | 1977.6 | 3500.0 | 3475.4 | 2980.3 |
| 47.5° | 258.4 | 273.7 | 276.8 | 276.8 | 279.9 | 319.9 | 439.8 | 2232.9 | 3961.4 | 3896.8 | 3373.9 |
| 50° | 243.0 | 255.3 | 261.4 | 255.3 | 258.4 | 304.5 | 461.3 | 2654.2 | 4551.9 | 4573.4 | 3952.2 |
| 52.5° | 230.7 | 243.0 | 246.0 | 233.7 | 233.7 | 283.0 | 489.0 | 2998.7 | 5305.4 | 5502.3 | 4868.7 |
| 55° | 215.3 | 227.6 | 230.7 | 215.3 | 215.3 | 249.1 | 424.4 | 3020.2 | 6163.5 | 6797.1 | 6062.0 |
| 57.5° | 199.9 | 212.2 | 212.2 | 199.9 | 196.8 | 215.3 | 344.5 | 2678.9 | 6827.8 | 8264.2 | 7695.2 |
| 60° | 181.5 | 193.8 | 190.7 | 184.5 | 178.4 | 196.8 | 316.8 | 2042.2 | 6738.7 | 9220.7 | 9568.2 |
| 62.5° | 147.6 | 166.1 | 172.2 | 169.2 | 156.9 | 178.4 | 295.3 | 1331.7 | 5831.4 | 8390.3 | 9509.8 |
| 65° | *123.0* | *138.4* | *147.6* | *147.6* | *138.4* | *196.8* | *258.4* | *701.2* | *4668.8* | *7120.0* | *8384.1* |
| 67.5° | 107.6 | 123.0 | 129.2 | 126.1 | 119.9 | 175.3 | 163.0 | 338.3 | 3580.0 | 6135.8 | 7504.5 |
| 70° | 95.3 | 107.6 | 113.8 | 104.6 | 98.4 | 141.5 | 116.9 | 199.9 | 2395.9 | 5120.9 | 6683.3 |
| 72.5° | 76.9 | 89.2 | 95.3 | 86.1 | 76.9 | 104.6 | 89.2 | 132.3 | 1559.3 | 4364.3 | 5939.0 |
| 75° | 61.5 | 73.8 | 76.9 | 70.7 | 61.5 | 76.9 | 70.7 | 92.3 | 1018.0 | 3610.8 | 5050.1 |
| 77.5° | 46.1 | 52.3 | 58.4 | 55.4 | 46.1 | 55.4 | 49.2 | 64.6 | 581.3 | 2534.3 | 3543.1 |
| 80° | 36.9 | 40.0 | 40.0 | 40.0 | 36.9 | 33.8 | 33.8 | 43.1 | 261.4 | 1248.7 | 1848.4 |
| 82.5° | 30.8 | 33.8 | 33.8 | 30.8 | 27.7 | 24.6 | 21.5 | 24.6 | 76.9 | 559.8 | 851.9 |
| 85° | 27.7 | 30.8 | 24.6 | 21.5 | 18.5 | 15.4 | 9.2 | 9.2 | 21.5 | 89.2 | 166.1 |
| 87.5° | 21.5 | 18.5 | 15.4 | 12.3 | 6.2 | 3.1 | 3.1 | 0.0 | 3.1 | 3.1 | 3.1 |
| 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: P1364511
CATALOG NUMBER: GSS-SB3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1731.6 | 1731.6 | 1731.6 | *1731.6* | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 | 1731.6 |
| 2.5° | 1962.2 | 1993.0 | 2014.5 | *2033.0* | 2026.8 | 2011.4 | 1980.7 | 1959.2 | 1954.2 | 1953.0 |
| 5° | 2220.6 | 2269.8 | 2312.9 | *2306.7* | 2312.9 | 2266.7 | 2220.6 | 2165.2 | 2143.1 | 2137.5 |
| 7.5° | 2435.9 | 2497.4 | 2549.7 | *2543.5* | 2525.1 | 2472.8 | 2395.9 | 2312.9 | 2273.5 | 2263.6 |
| 10° | 2552.8 | 2623.5 | 2666.6 | *2651.2* | 2620.4 | 2552.8 | 2475.9 | 2377.4 | 2333.2 | 2322.1 |
| 12.5° | 2574.3 | 2620.4 | 2611.2 | *2605.0* | 2598.9 | 2565.1 | 2506.6 | 2417.4 | 2373.1 | 2362.1 |
| 15° | 2518.9 | 2500.5 | 2448.2 | *2435.9* | 2482.0 | 2525.1 | 2512.8 | 2439.0 | 2397.1 | 2386.7 |
| 17.5° | 2426.7 | 2331.3 | 2236.0 | *2223.7* | 2300.6 | 2420.5 | 2515.8 | 2472.8 | 2433.4 | 2423.6 |
| 20° | 2325.2 | 2146.8 | 2042.2 | *2020.7* | 2116.0 | 2294.4 | 2482.0 | 2506.6 | 2479.6 | 2472.8 |
| 22.5° | 2205.2 | 1996.1 | 1885.3 | *1873.0* | 1943.8 | 2152.9 | 2432.8 | 2543.5 | 2531.2 | 2528.1 |
| 25° | 2100.6 | 1863.8 | 1759.2 | *1740.8* | 1833.1 | 2036.1 | 2383.6 | 2605.0 | 2597.7 | 2595.8 |
| 27.5° | 2014.5 | 1768.5 | 1657.8 | *1645.4* | 1734.6 | 1937.6 | 2322.1 | 2657.3 | 2681.9 | 2688.1 |
| 30° | 1946.9 | 1697.7 | 1587.0 | *1571.6* | 1670.1 | 1870.0 | 2279.0 | 2731.1 | 2777.9 | 2789.6 |
| 32.5° | 1894.6 | 1657.8 | 1553.2 | *1544.0* | 1648.5 | 1842.3 | 2254.4 | 2808.0 | 2904.0 | 2928.0 |
| 35° | 1876.1 | 1670.1 | 1599.3 | *1620.8* | 1700.8 | 1870.0 | 2272.9 | 2934.1 | 3067.0 | 3100.2 |
| 37.5° | 1916.1 | 1805.4 | 1854.6 | *1910.0* | 1940.7 | 2002.2 | 2359.0 | 3137.1 | 3309.4 | 3352.4 |
| 40° | 2045.3 | 2168.3 | 2399.0 | *2506.6* | 2494.3 | 2352.8 | 2555.8 | 3423.2 | 3669.2 | 3730.7 |
| 42.5° | 2374.4 | 2774.2 | 3263.2 | *3444.7* | 3340.1 | 2912.6 | 2869.5 | 3893.7 | 4174.2 | 4244.3 |
| 45° | 2863.4 | 3506.2 | 4308.9 | *4718.0* | 4358.1 | 3623.1 | 3364.7 | 4564.2 | 4834.9 | 4902.5 |
| 47.5° | 3352.4 | 4324.3 | 5600.7 | *6086.6* | 5379.2 | 4327.4 | 4013.7 | 5366.9 | 5610.5 | 5671.4 |
| 50° | 3850.7 | 5228.5 | 6889.4 | *7538.3* | 6397.3 | 5044.0 | 4702.6 | 6357.3 | 6534.4 | 6578.7 |
| 52.5° | 4364.3 | 6037.4 | 8310.3 | *8870.1* | 7461.4 | 5597.6 | 5490.0 | 7436.8 | 7542.6 | 7569.1 |
| 55° | 4936.3 | 6803.2 | 9734.3 | *10186.4* | 8430.2 | 6080.5 | 6412.6 | 8565.6 | 8538.5 | 8531.7 |
| 57.5° | 5699.1 | 7609.1 | 10881.5 | *11512.0* | 9309.9 | 6732.5 | 7646.0 | 9820.4 | 9291.4 | 9159.2 |
| 60° | 7030.8 | 8860.8 | 12308.6 | *12994.4* | 10487.8 | 7685.9 | 8553.3 | 9792.7 | 8847.9 | 8611.7 |
| 62.5° | 8574.8 | 10066.5 | 13600.3 | *14178.5* | 11727.3 | 8633.2 | 7830.5 | 8224.2 | 7289.2 | 7055.4 |
| 65° | *7449.1* | *9854.2* | *13640.3* | *14233.9* | *11773.4* | *8055.0* | *5788.3* | *5831.4* | *5044.0* | *4847.2* |
| 67.5° | 6338.8 | 8734.7 | 12422.4 | *12889.9* | 10503.2 | 6658.7 | 3838.4 | 3804.5 | 3310.0 | 3186.3 |
| 70° | 5643.7 | 7652.1 | 10706.2 | *10303.3* | 8830.1 | 5628.4 | 2549.7 | 2112.9 | 1805.4 | 1728.5 |
| 72.5° | 5071.7 | 6071.2 | 8676.3 | *7101.6* | 7326.1 | 4579.6 | 1620.8 | 1439.4 | 1200.7 | 1141.1 |
| 75° | 4591.9 | 5022.5 | 5413.1 | *4908.7* | 5203.9 | 3773.8 | 1374.8 | 1110.3 | 908.5 | 858.1 |
| 77.5° | 3653.8 | 3909.1 | 3204.8 | *3112.5* | 3644.6 | 2685.0 | 682.8 | 467.5 | 408.4 | 393.7 |
| 80° | 2174.5 | 1848.4 | 1817.7 | *2073.0* | 2426.7 | 1393.2 | 418.3 | 258.4 | 233.7 | 227.6 |
| 82.5° | 1316.4 | 667.4 | 725.8 | *916.5* | 1291.8 | 633.6 | 249.1 | 110.7 | 98.4 | 95.3 |
| 85° | 221.4 | 181.5 | 279.9 | *267.6* | 252.2 | 135.3 | 67.7 | 30.8 | 28.3 | 27.7 |
| 87.5° | 6.2 | 9.2 | 12.3 | *15.4* | 15.4 | 15.4 | 15.4 | 15.4 | 17.8 | 18.5 |
| 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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

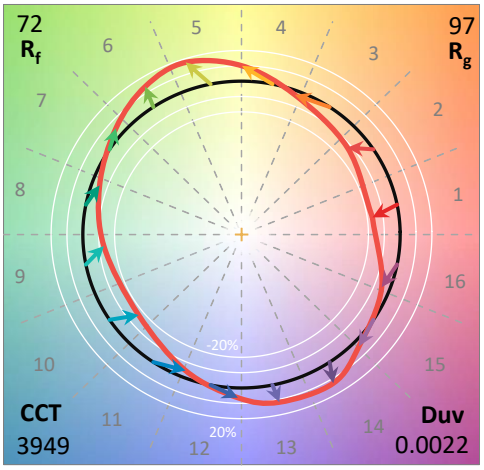
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-1 |
| 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-740-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 3949 |
| CIE u': | 0.2248 |
| CIE v': | 0.5053 |
| Duv: | 0.0022 |
| CIE x: | 0.3844 |
| CIE y: | 0.3840 |
| CIE z: | 0.2316 |
| Peak Wavelength (nm): | 440 |
| Dominant Wavelength (nm): | 578 |
| Purity: | 30.60026 |
| Rf: | 71.8 |
| Rg: | 96.5 |

| | |
|---|---|
| CRI (Ra): | 70.7 |
| R1: | 68.0 |
| R2: | 76.0 |
| R3: | 84.3 |
| R4: | 72.0 |
| R5: | 68.6 |
| R6: | 68.3 |
| R7: | 77.9 |
| R8: | 50.3 |
| R9: | -36.7 |
| R10: | 45.1 |
| R11: | 70.7 |
| R12: | 47.1 |
| R13: | 68.5 |
| R14: | 91.1 |
| R15: | 58.7 |




## Test Conditions

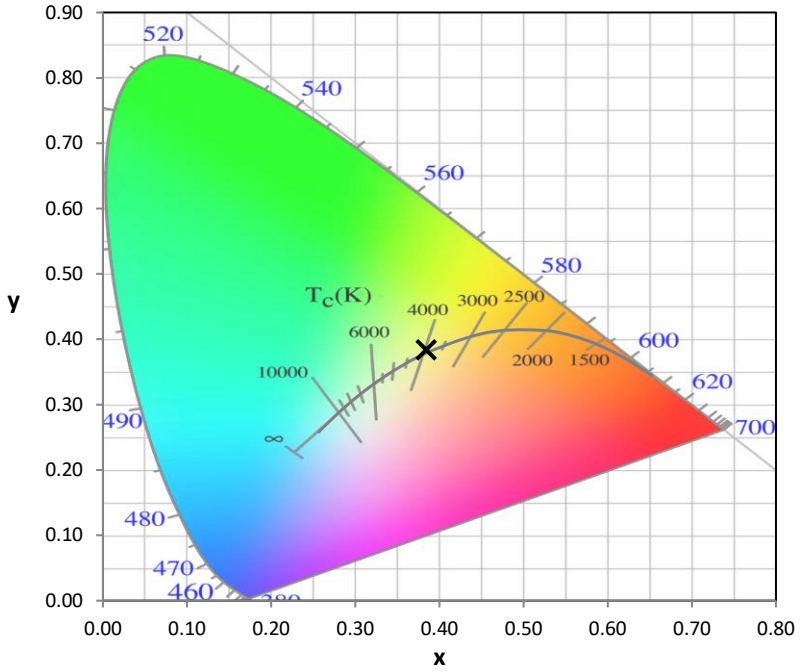
| | |
|---|---|
| Stabilization Time: | 34M |
| Operation Time: | 1H 34M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-1

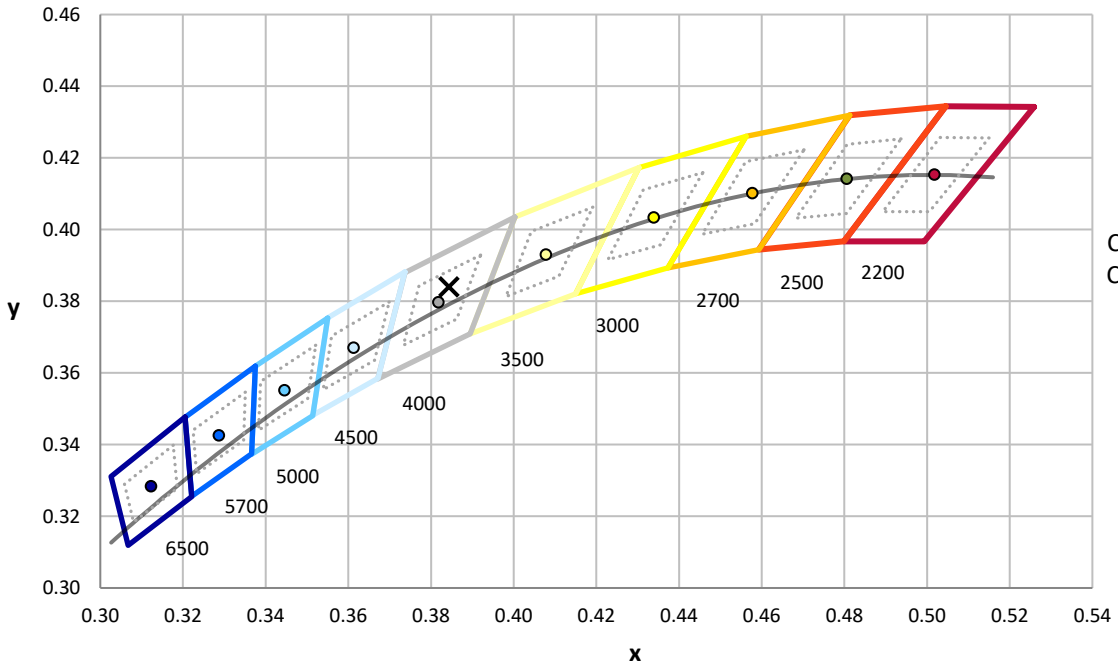
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-1

## CIE 1931 Chromaticity Diagram




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

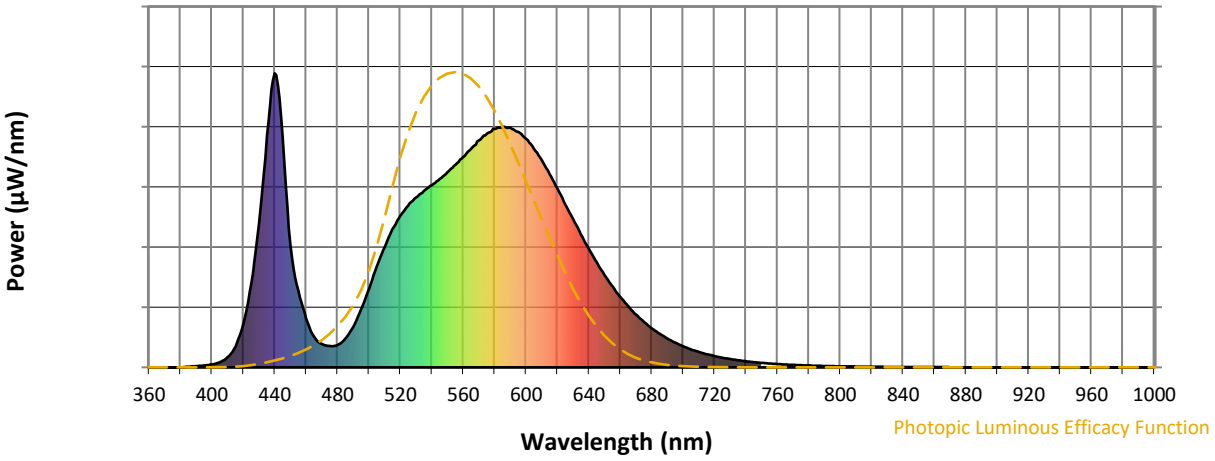



CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

## Photopic Flux vs. Wavelength

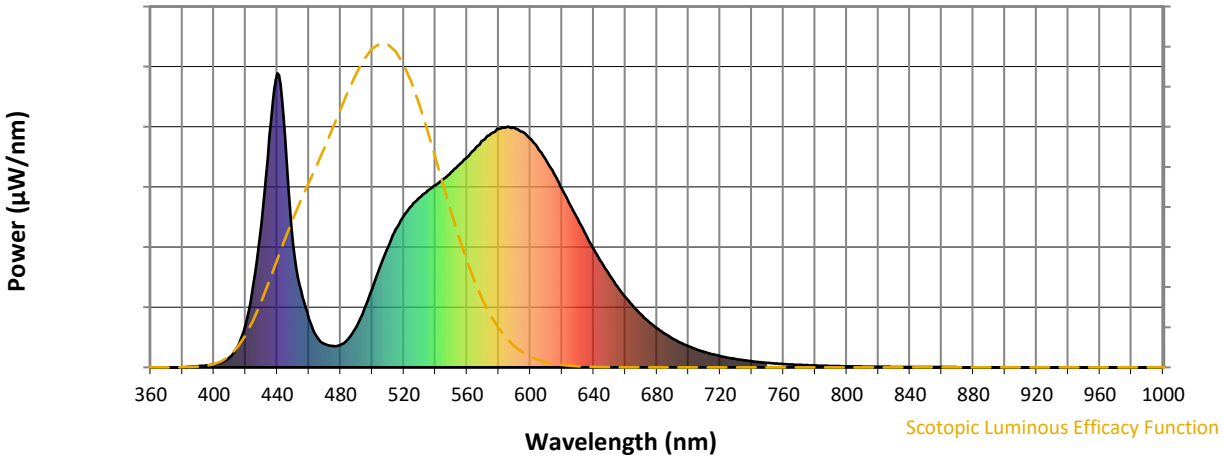



## Photopic Lumens: NR

| 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 | 139 | NR | 620 | 607 | NR | 750 | 15 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 198 | NR | 625 | 554 | NR | 755 | 13 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 267 | NR | 630 | 504 | NR | 760 | 11 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 343 | NR | 635 | 452 | NR | 765 | 10 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 410 | NR | 640 | 403 | NR | 770 | 8 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 470 | NR | 645 | 357 | NR | 775 | 7 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 516 | NR | 650 | 314 | NR | 780 | 6 | NR | 910 | 0 | NR |
| 395 | 7 | NR | 525 | 550 | NR | 655 | 275 | NR | 785 | 5 | NR | 915 | 0 | NR |
| 400 | 10 | NR | 530 | 578 | NR | 660 | 240 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 17 | NR | 535 | 601 | NR | 665 | 208 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 35 | NR | 540 | 620 | NR | 670 | 179 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 70 | NR | 545 | 641 | NR | 675 | 155 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 147 | NR | 550 | 664 | NR | 680 | 133 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 285 | NR | 555 | 689 | NR | 685 | 114 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 487 | NR | 560 | 715 | NR | 690 | 98 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 787 | NR | 565 | 743 | NR | 695 | 84 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 1000 | NR | 570 | 771 | NR | 700 | 72 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 783 | NR | 575 | 794 | NR | 705 | 61 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 417 | NR | 580 | 811 | NR | 710 | 52 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 261 | NR | 585 | 817 | NR | 715 | 45 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 167 | NR | 590 | 815 | NR | 720 | 39 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 104 | NR | 595 | 801 | NR | 725 | 33 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 79 | NR | 600 | 777 | NR | 730 | 28 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 73 | NR | 605 | 744 | NR | 735 | 24 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 704 | NR | 740 | 21 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 98 | NR | 615 | 657 | NR | 745 | 18 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-1

## Scotopic Flux vs. Wavelength

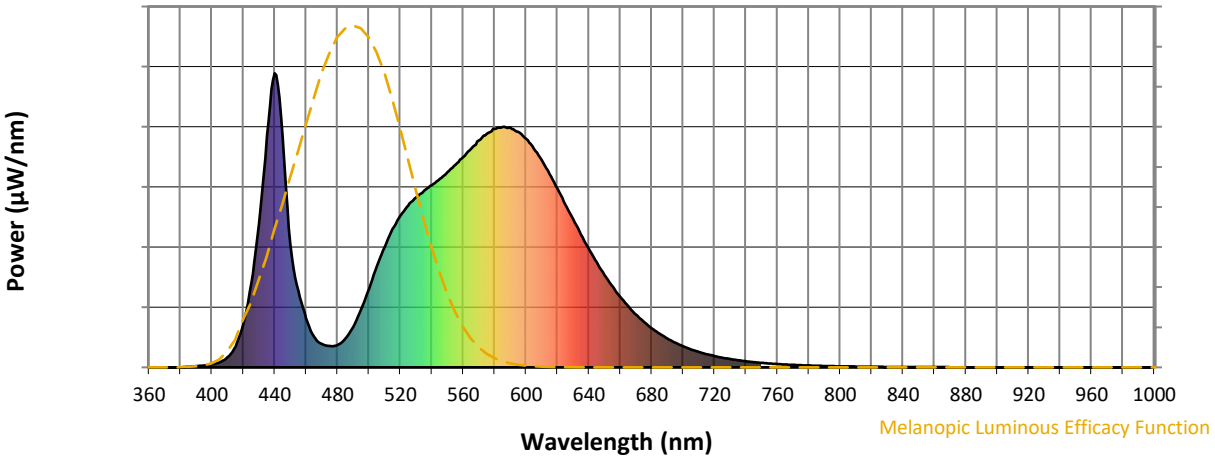



**Scotopic Lumens: NR** **S/P: 1.47**

| 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 | 139 | NR | 620 | 607 | NR | 750 | 15 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 198 | NR | 625 | 554 | NR | 755 | 13 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 267 | NR | 630 | 504 | NR | 760 | 11 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 343 | NR | 635 | 452 | NR | 765 | 10 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 410 | NR | 640 | 403 | NR | 770 | 8 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 470 | NR | 645 | 357 | NR | 775 | 7 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 516 | NR | 650 | 314 | NR | 780 | 6 | NR | 910 | 0 | NR |
| 395 | 7 | NR | 525 | 550 | NR | 655 | 275 | NR | 785 | 5 | NR | 915 | 0 | NR |
| 400 | 10 | NR | 530 | 578 | NR | 660 | 240 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 17 | NR | 535 | 601 | NR | 665 | 208 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 35 | NR | 540 | 620 | NR | 670 | 179 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 70 | NR | 545 | 641 | NR | 675 | 155 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 147 | NR | 550 | 664 | NR | 680 | 133 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 285 | NR | 555 | 689 | NR | 685 | 114 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 487 | NR | 560 | 715 | NR | 690 | 98 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 787 | NR | 565 | 743 | NR | 695 | 84 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 1000 | NR | 570 | 771 | NR | 700 | 72 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 783 | NR | 575 | 794 | NR | 705 | 61 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 417 | NR | 580 | 811 | NR | 710 | 52 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 261 | NR | 585 | 817 | NR | 715 | 45 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 167 | NR | 590 | 815 | NR | 720 | 39 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 104 | NR | 595 | 801 | NR | 725 | 33 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 79 | NR | 600 | 777 | NR | 730 | 28 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 73 | NR | 605 | 744 | NR | 735 | 24 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 704 | NR | 740 | 21 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 98 | NR | 615 | 657 | NR | 745 | 18 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-1

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.78**

| 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 | 139 | NR | 620 | 607 | NR | 750 | 15 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 198 | NR | 625 | 554 | NR | 755 | 13 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 267 | NR | 630 | 504 | NR | 760 | 11 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 343 | NR | 635 | 452 | NR | 765 | 10 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 410 | NR | 640 | 403 | NR | 770 | 8 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 470 | NR | 645 | 357 | NR | 775 | 7 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 516 | NR | 650 | 314 | NR | 780 | 6 | NR | 910 | 0 | NR |
| 395 | 7 | NR | 525 | 550 | NR | 655 | 275 | NR | 785 | 5 | NR | 915 | 0 | NR |
| 400 | 10 | NR | 530 | 578 | NR | 660 | 240 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 17 | NR | 535 | 601 | NR | 665 | 208 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 35 | NR | 540 | 620 | NR | 670 | 179 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 70 | NR | 545 | 641 | NR | 675 | 155 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 147 | NR | 550 | 664 | NR | 680 | 133 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 285 | NR | 555 | 689 | NR | 685 | 114 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 487 | NR | 560 | 715 | NR | 690 | 98 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 787 | NR | 565 | 743 | NR | 695 | 84 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 1000 | NR | 570 | 771 | NR | 700 | 72 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 783 | NR | 575 | 794 | NR | 705 | 61 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 417 | NR | 580 | 811 | NR | 710 | 52 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 261 | NR | 585 | 817 | NR | 715 | 45 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 167 | NR | 590 | 815 | NR | 720 | 39 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 104 | NR | 595 | 801 | NR | 725 | 33 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 79 | NR | 600 | 777 | NR | 730 | 28 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 73 | NR | 605 | 744 | NR | 735 | 24 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 704 | NR | 740 | 21 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 98 | NR | 615 | 657 | NR | 745 | 18 | NR | 875 | 1 | NR | | | |

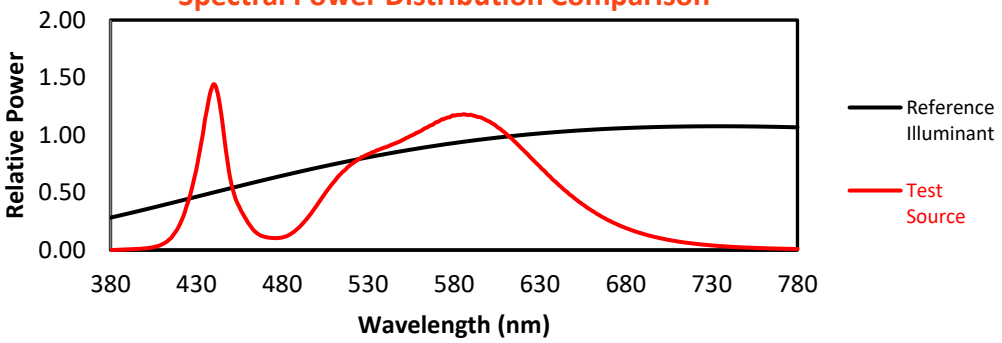
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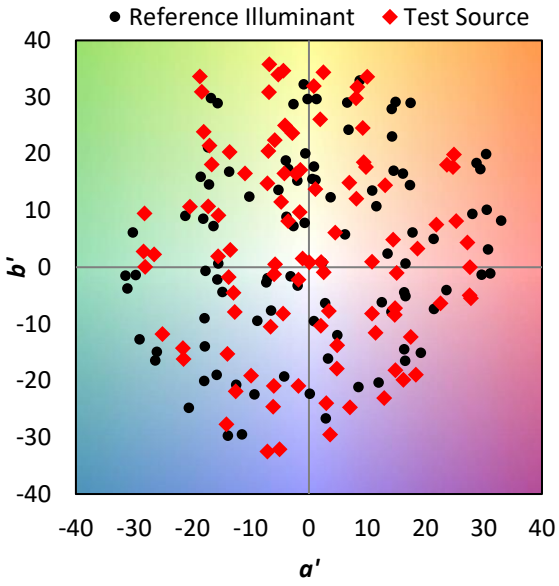
## Summary

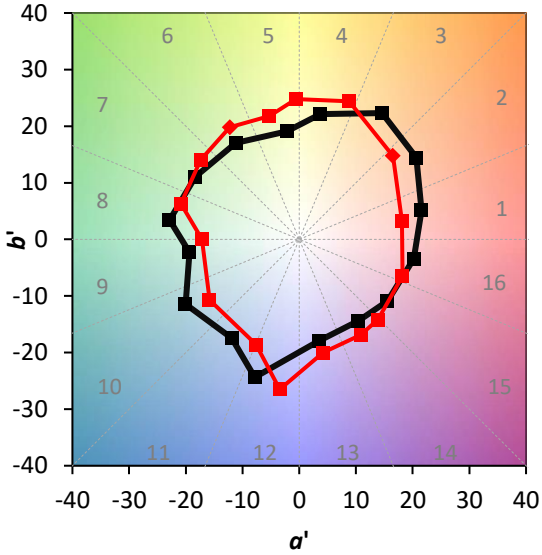
$R_f$ = 71.8
$R_g$ = 96.5
CIE $R_a$ = 70.7
$R_9$ = -36.7

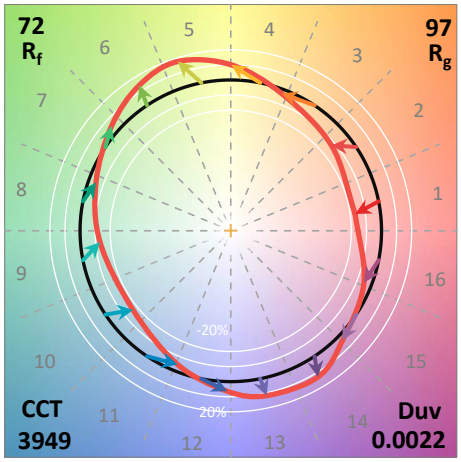
## Spectral Power Distribution Comparison

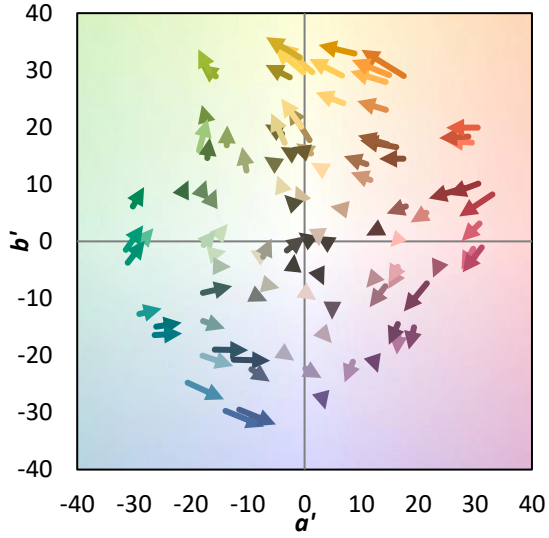



## Color Vector Graphics



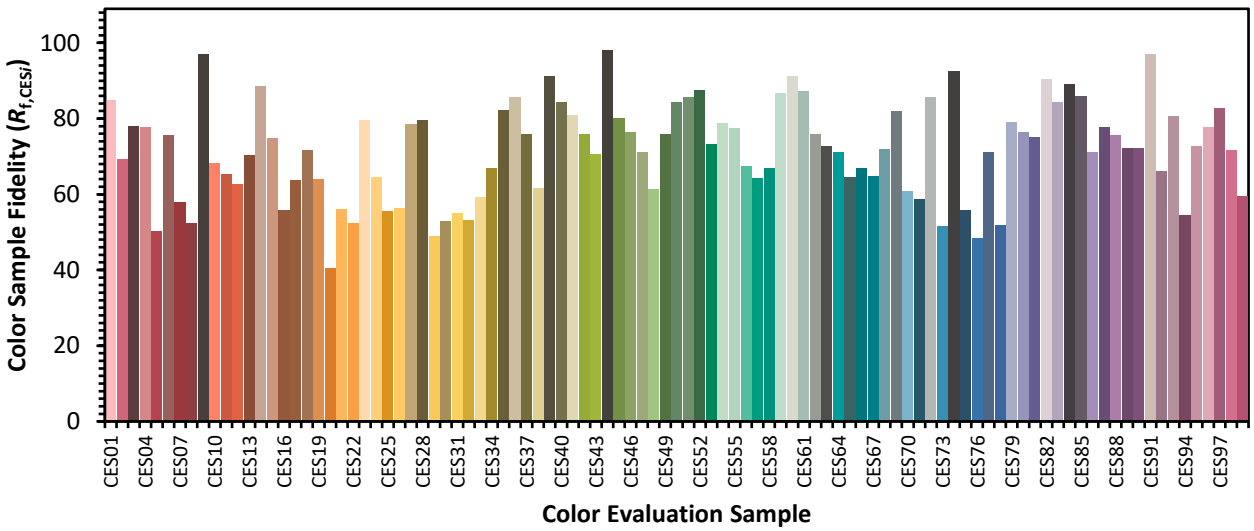



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**Individual Sample Fidelity Index ($R_{f,i}$)**

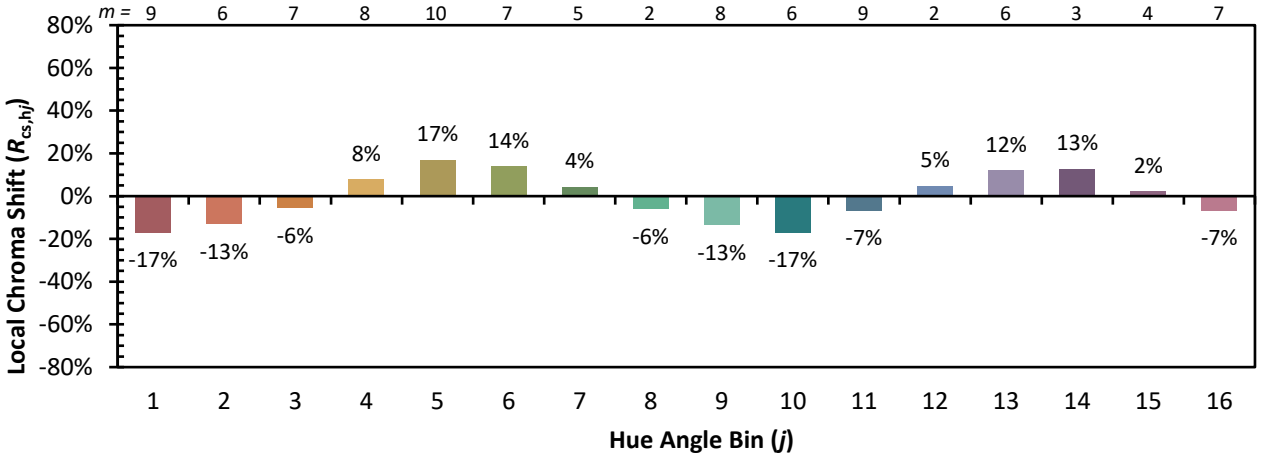
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 56 | CES51 = 86 | CES76 = 48 |
| CES02 = 61 | CES27 = 79 | CES52 = 88 | CES77 = 71 |
| CES03 = 30 | CES28 = 80 | CES53 = 73 | CES78 = 52 |
| CES04 = 70 | CES29 = 49 | CES54 = 79 | CES79 = 79 |
| CES05 = 47 | CES30 = 53 | CES55 = 77 | CES80 = 77 |
| CES06 = 50 | CES31 = 55 | CES56 = 67 | CES81 = 75 |
| CES07 = 40 | CES32 = 53 | CES57 = 64 | CES82 = 90 |
| CES08 = 39 | CES33 = 59 | CES58 = 67 | CES83 = 84 |
| CES09 = 29 | CES34 = 67 | CES59 = 87 | CES84 = 89 |
| CES10 = 74 | CES35 = 82 | CES60 = 91 | CES85 = 86 |
| CES11 = 57 | CES36 = 86 | CES61 = 87 | CES86 = 71 |
| CES12 = 63 | CES37 = 76 | CES62 = 76 | CES87 = 78 |
| CES13 = 42 | CES38 = 62 | CES63 = 73 | CES88 = 76 |
| CES14 = 74 | CES39 = 91 | CES64 = 71 | CES89 = 72 |
| CES15 = 71 | CES40 = 84 | CES65 = 64 | CES90 = 72 |
| CES16 = 46 | CES41 = 81 | CES66 = 67 | CES91 = 97 |
| CES17 = 49 | CES42 = 76 | CES67 = 65 | CES92 = 66 |
| CES18 = 56 | CES43 = 71 | CES68 = 72 | CES93 = 81 |
| CES19 = 72 | CES44 = 98 | CES69 = 82 | CES94 = 55 |
| CES20 = 65 | CES45 = 80 | CES70 = 61 | CES95 = 73 |
| CES21 = 86 | CES46 = 76 | CES71 = 59 | CES96 = 78 |
| CES22 = 78 | CES47 = 71 | CES72 = 86 | CES97 = 83 |
| CES23 = 92 | CES48 = 61 | CES73 = 52 | CES98 = 72 |
| CES24 = 91 | CES49 = 76 | CES74 = 93 | CES99 = 60 |
| CES25 = 72 | CES50 = 84 | CES75 = 56 | |

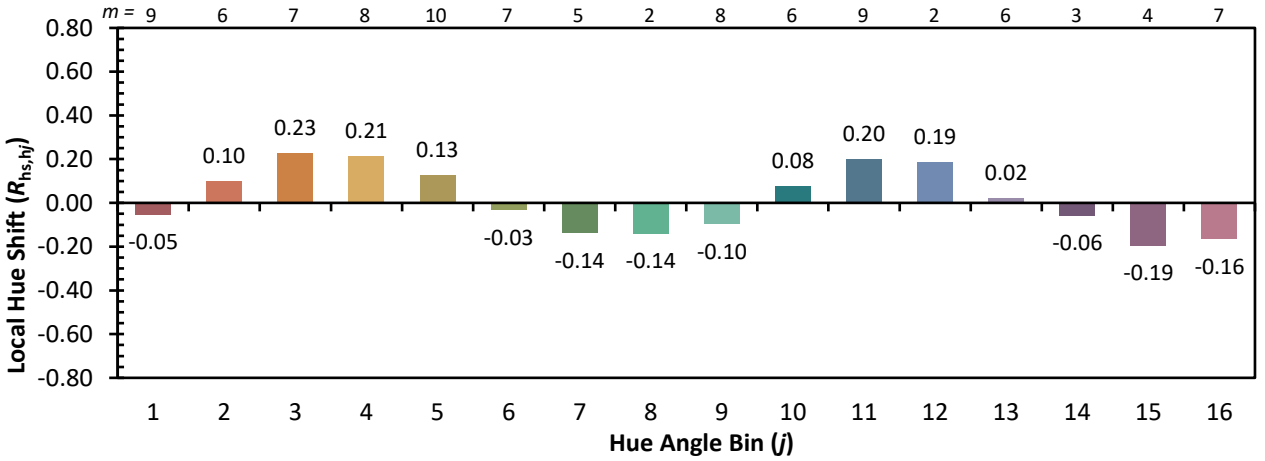


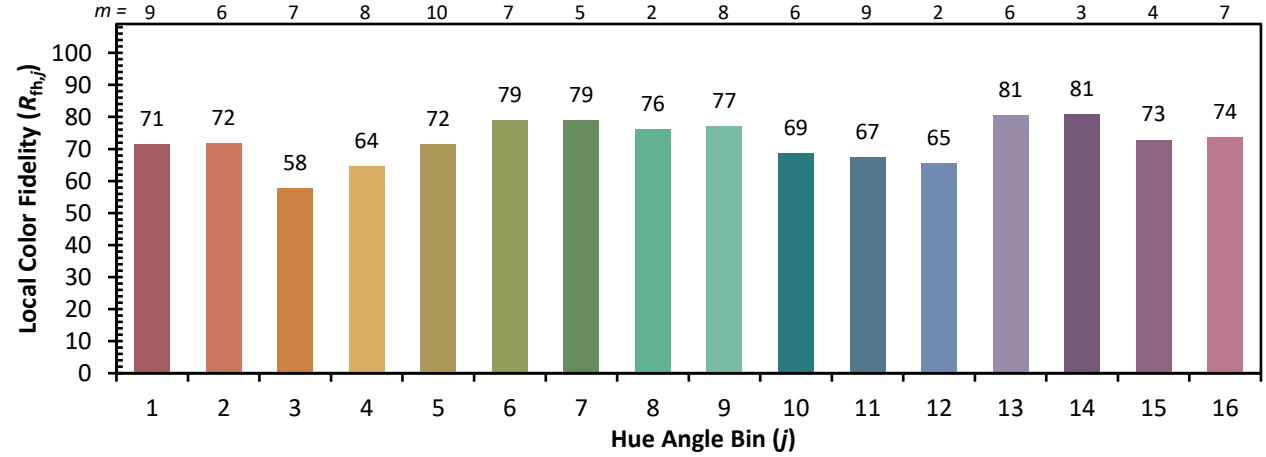
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## Color Rendition by Hue-Angle Bin



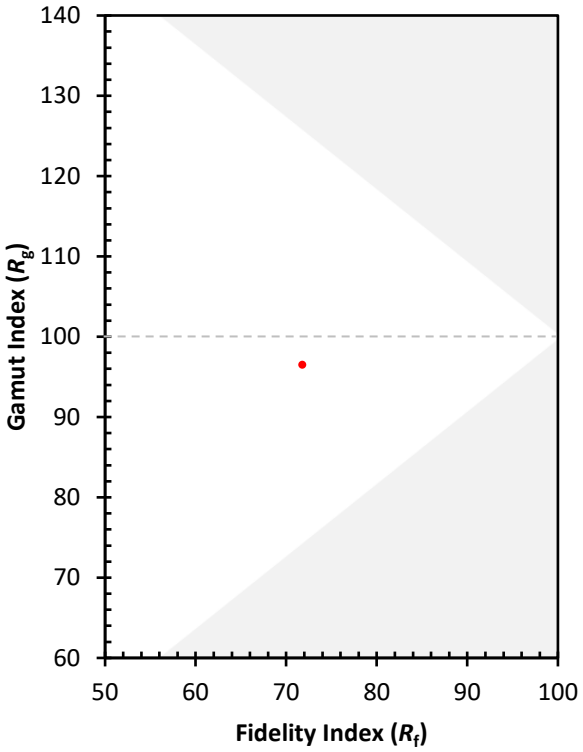



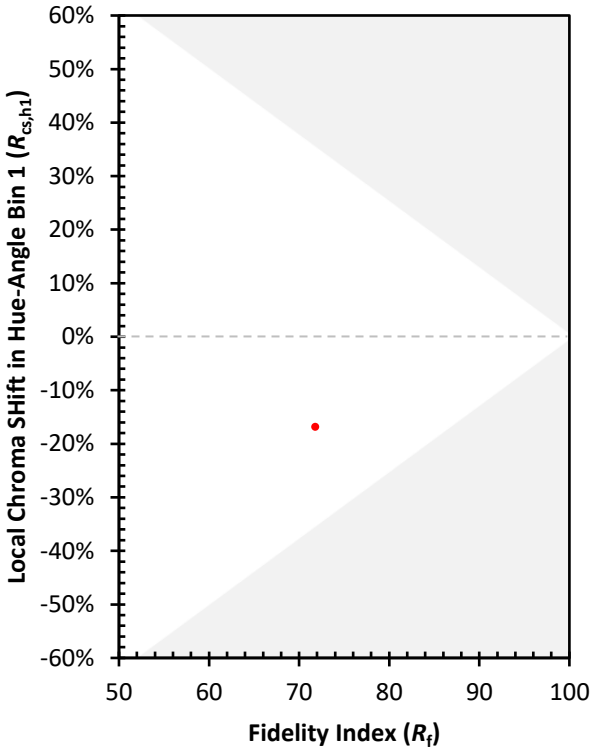



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## Measure Comparisons




(END OF REPORT)