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: P1501787

Luminaire Tested: GSS-SB2C-730-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501787 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB2C-730-U-T2LG-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 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: | 11203.4 lumens |
| Efficiency: | N/A |
| Efficacy: | 109.8 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B2 - U0 - G2 |

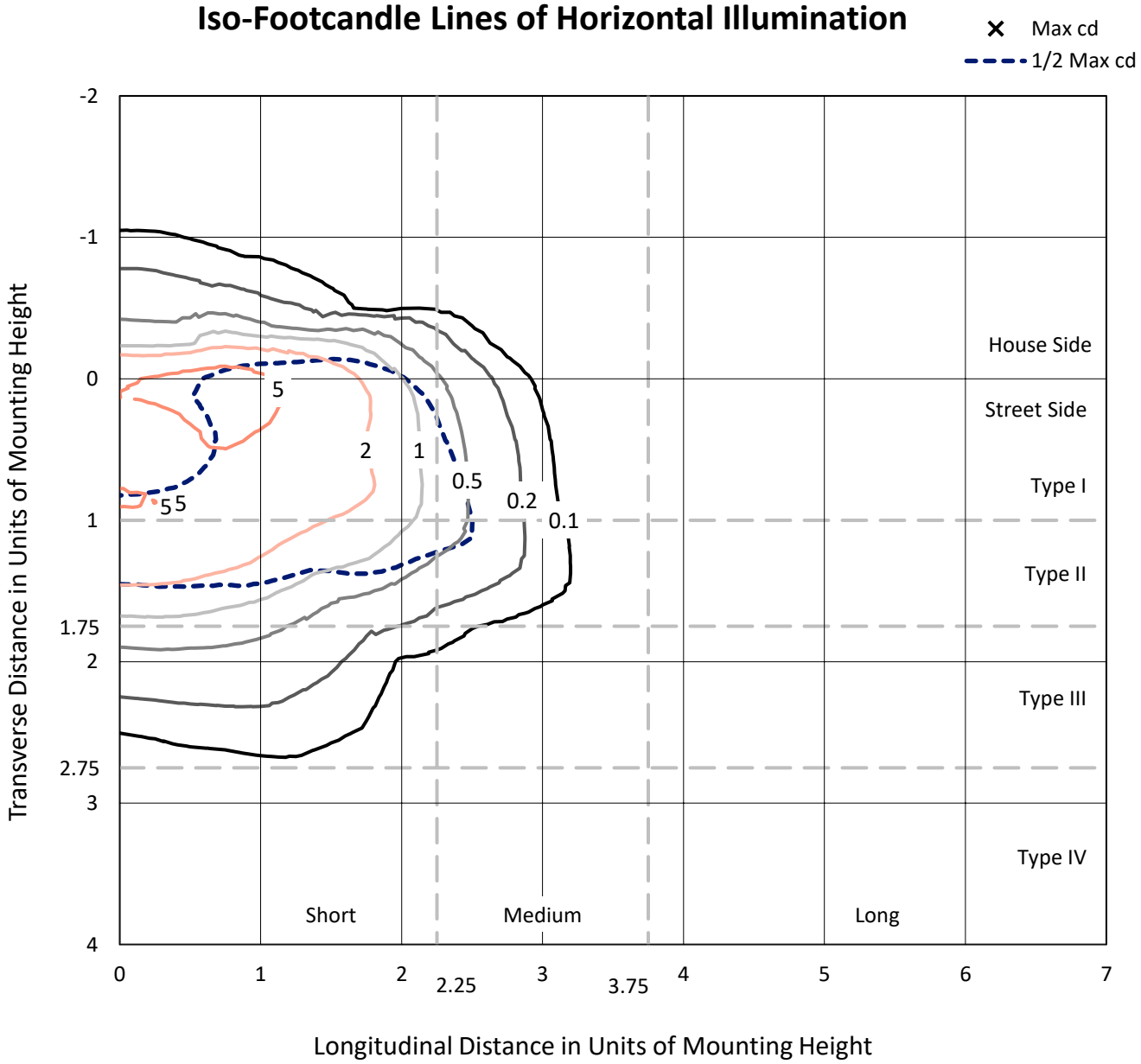
| | |
|---|---|
| Input Watts (W): | 102 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 9.5% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



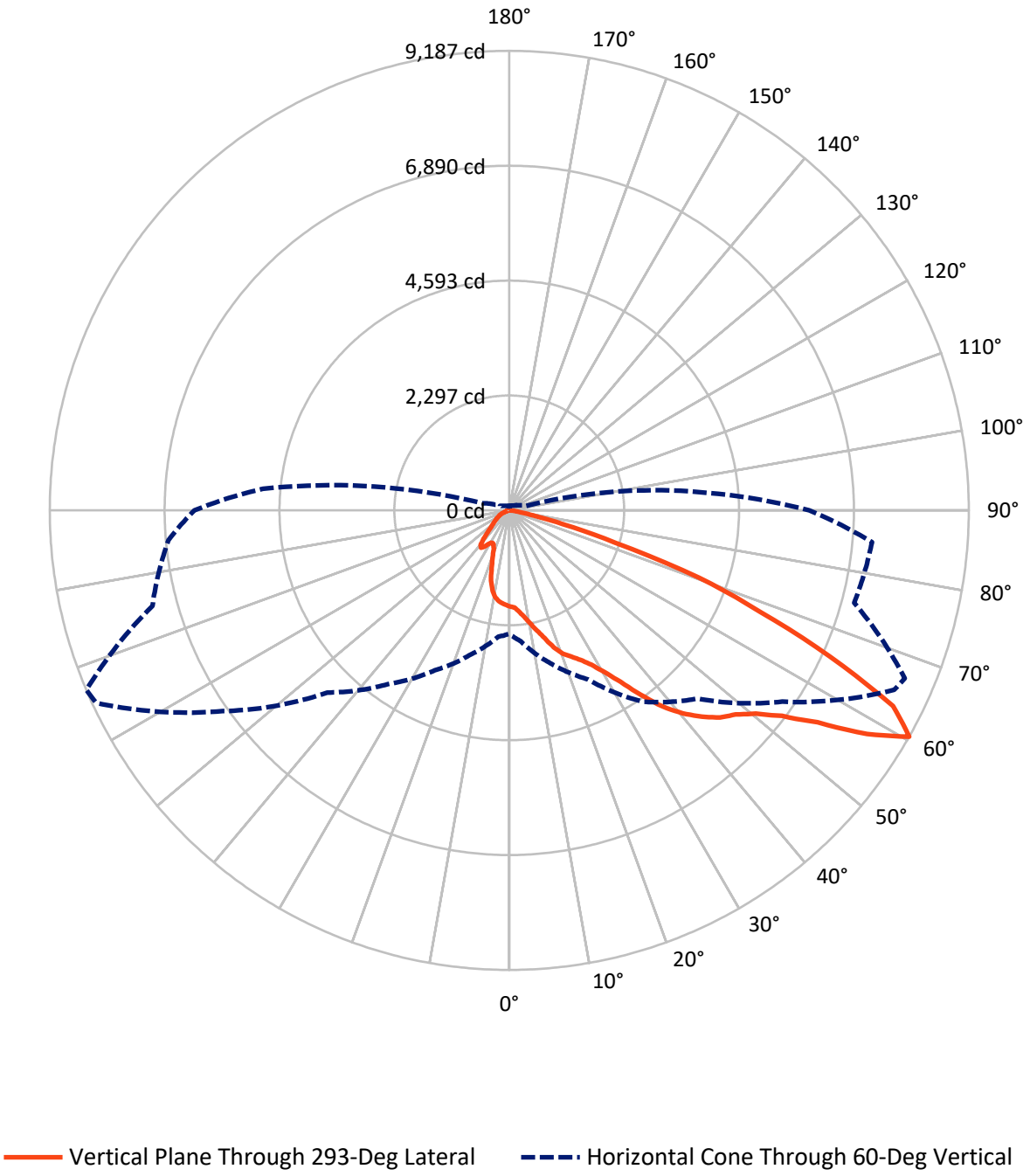

Based on 20 foot mounting height. Maximum calculated value = 8 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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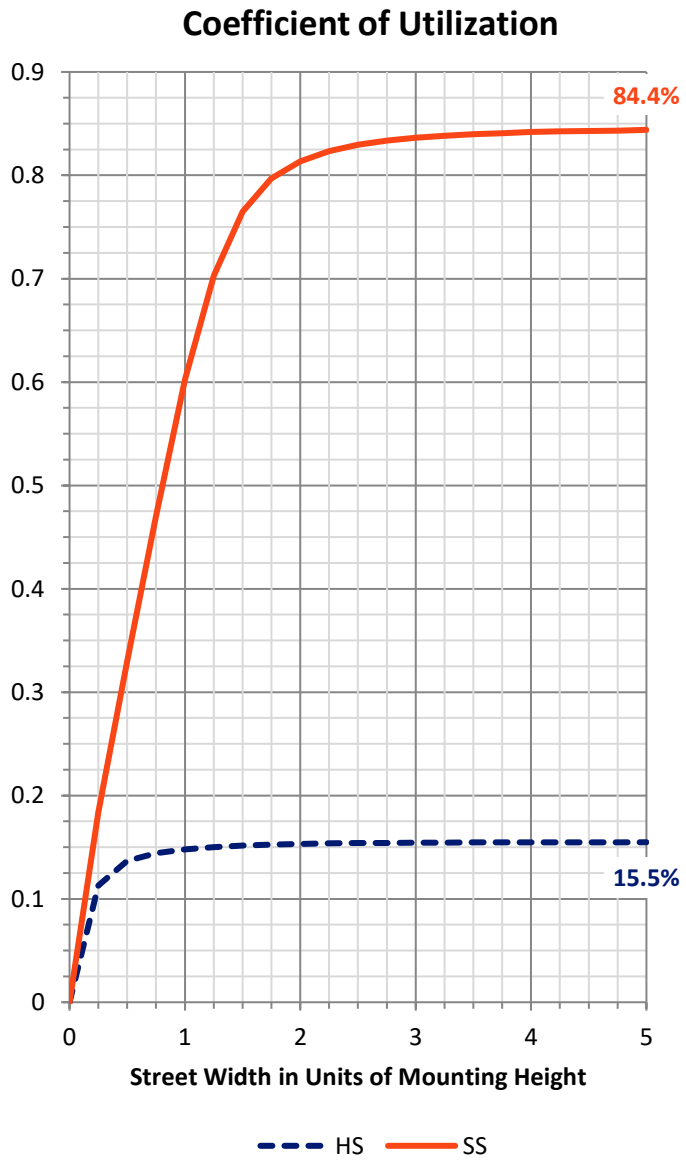
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1748.0 | 0.0 | 1748.0 |
| | % Fixture | 15.6 | 0.0 | 15.6 |
| **Street Side** | Lumens | 9455.4 | 0.0 | 9455.4 |
| | % Fixture | 84.4 | 0.0 | 84.4 |
| **Total** | Lumens | 11203.4 | 0.0 | 11203.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 173.8 | 1.6 |
| 10°-20° | 437.9 | 3.9 |
| 20°-30° | 817.5 | 7.3 |
| 30°-40° | 1621.1 | 14.5 |
| 40°-50° | 2584.6 | 23.1 |
| 50°-60° | 3088.0 | 27.6 |
| 60°-70° | 2024.3 | 18.1 |
| 70°-80° | 424.1 | 3.8 |
| 80°-90° | 32.1 | 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° | 11203.4 | 100.0 |
| 0°-180° | 11203.4 | 100.0 |



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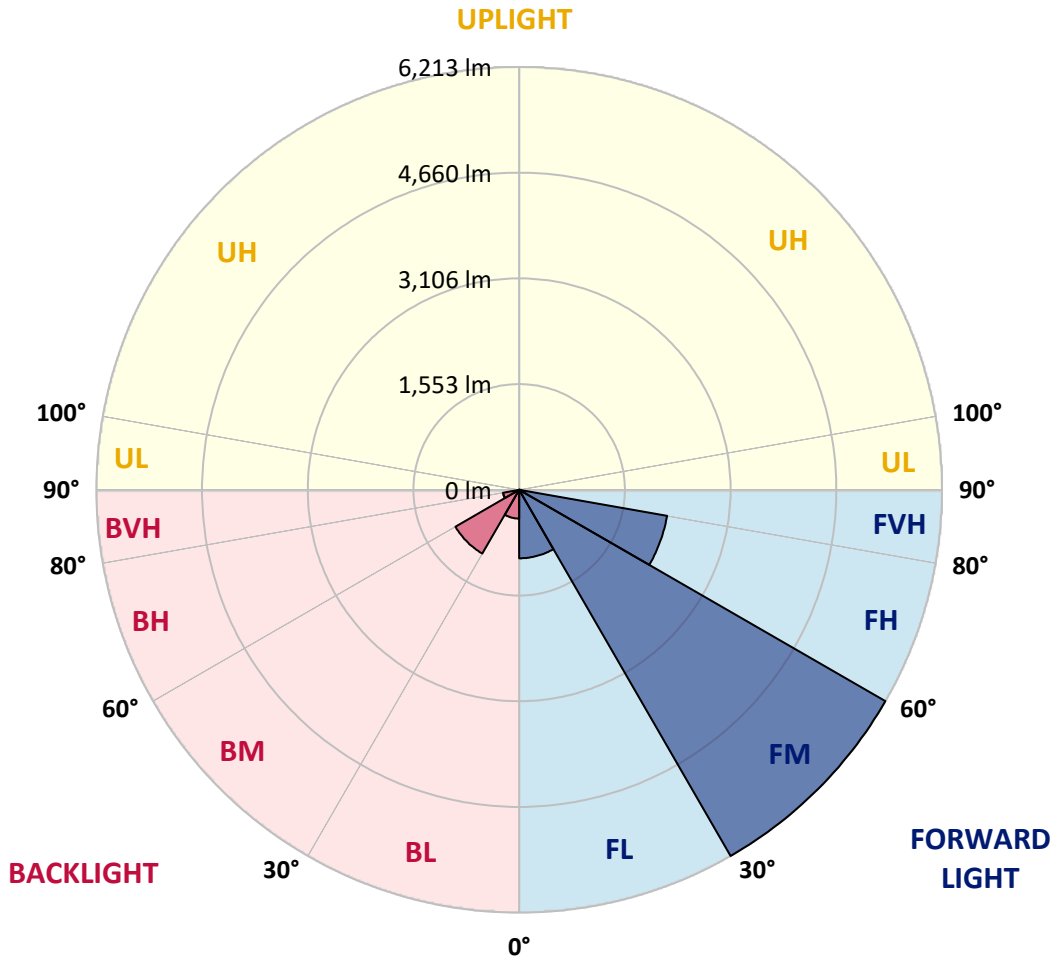
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1006.3 | 9.0 | | | |
| FM | (30°-60°) | 6212.7 | 55.5 | | | |
| FH | (60°-80°) | 2207.0 | 19.7 | | | G2/5000 |
| FVH | (80°-90°) | 29.4 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 422.9 | 3.8 | B1/500 | | |
| BM | (30°-60°) | 1081.0 | 9.6 | B2/2500 | | |
| BH | (60°-80°) | 241.5 | 2.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 2.7 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G2**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 |
| 2.5° | 2017.4 | 2011.1 | 2001.7 | 2004.9 | 2001.7 | 1989.2 | 1970.3 | 1954.7 | 1967.2 | 1948.4 | 1935.8 |
| 5° | 2077.0 | 2077.0 | 2070.7 | 2070.7 | 2073.9 | 2067.6 | 2055.1 | 2033.1 | 2036.2 | 2020.5 | 1979.8 |
| 7.5° | 2077.0 | 2067.6 | 2083.3 | 2099.0 | 2127.2 | 2142.9 | 2149.2 | 2136.6 | 2142.9 | 2111.5 | 2058.2 |
| 10° | 1954.7 | 1948.4 | 1989.2 | 2048.8 | 2130.4 | 2202.5 | 2249.6 | 2252.7 | 2262.1 | 2230.8 | 2168.0 |
| 12.5° | 1694.2 | 1681.7 | 1763.3 | 1876.2 | 2042.5 | 2208.8 | 2340.6 | 2390.8 | 2412.7 | 2400.2 | 2312.3 |
| 15° | 1452.7 | 1468.3 | 1524.8 | 1647.2 | 1869.9 | 2124.1 | 2390.8 | 2557.1 | 2588.4 | 2604.1 | 2500.6 |
| 17.5° | 1427.6 | 1430.7 | 1449.5 | 1509.1 | 1678.6 | 1986.0 | 2397.0 | 2729.6 | 2773.5 | 2842.6 | 2701.4 |
| 20° | 1496.6 | 1490.3 | 1509.1 | 1528.0 | 1609.5 | 1863.7 | 2337.4 | 2895.9 | 2980.6 | 3128.1 | 2974.3 |
| 22.5° | 1625.2 | 1625.2 | 1634.6 | 1647.2 | 1688.0 | 1854.3 | 2312.3 | 3049.6 | 3194.0 | 3495.2 | 3316.3 |
| 25° | 1841.7 | 1816.6 | 1822.9 | 1807.2 | 1841.7 | 1967.2 | 2368.8 | 3172.0 | 3369.7 | 3903.0 | 3724.2 |
| 27.5° | 2177.4 | 2186.8 | 2130.4 | 2045.6 | 2064.5 | 2171.1 | 2506.9 | 3310.1 | 3551.6 | 4326.6 | 4138.4 |
| 30° | 2641.8 | 2626.1 | 2591.6 | 2425.3 | 2350.0 | 2444.1 | 2761.0 | 3536.0 | 3796.4 | 4863.1 | 4690.6 |
| 32.5° | 3005.7 | 3049.6 | 2990.0 | 2873.9 | 2757.9 | 2786.1 | 3118.7 | 3899.9 | 4094.4 | 5355.7 | 5261.6 |
| 35° | 3445.0 | 3445.0 | 3457.5 | 3294.4 | 3215.9 | 3209.7 | 3567.3 | 4295.2 | 4489.8 | 5801.2 | 5867.1 |
| 37.5° | 4038.0 | 3997.2 | 3928.1 | 3746.2 | 3686.6 | 3765.0 | 3987.8 | 4703.1 | 4913.3 | 6162.0 | 6337.7 |
| 40° | 4536.8 | 4565.1 | 4555.6 | 4292.1 | 4176.0 | 4260.7 | 4458.4 | 5051.4 | 5214.5 | 6394.2 | 6717.4 |
| 42.5° | 5026.3 | 5042.0 | 5001.2 | 4875.7 | 4706.2 | 4712.5 | 4875.7 | 5314.9 | 5481.2 | 6617.0 | 7075.1 |
| 45° | 5393.4 | 5390.2 | 5362.0 | 5330.6 | 5230.2 | 5126.7 | 5154.9 | 5606.7 | 5751.0 | 6689.1 | 7269.6 |
| 47.5° | 5509.4 | 5534.5 | 5559.6 | 5647.5 | 5716.5 | 5553.4 | 5409.0 | 5763.6 | 5895.4 | 6676.6 | 7341.7 |
| 50° | 5402.8 | 5456.1 | 5578.5 | 5710.2 | 5945.6 | 5933.0 | 5622.4 | 5933.0 | 6061.6 | 6745.6 | 7426.5 |
| 52.5° | 5164.3 | 5217.7 | 5380.8 | 5619.3 | 5973.8 | 6149.5 | 6017.7 | 6218.5 | 6369.1 | 6921.3 | 7602.2 |
| 55° | 4609.0 | 4630.9 | 4966.7 | 5280.4 | 5832.6 | 6055.4 | 6441.3 | 6701.7 | 6827.2 | 7134.7 | 7834.3 |
| 57.5° | 3752.4 | 3805.8 | 4135.2 | 4646.6 | 5437.3 | 5807.5 | 6682.9 | 7526.9 | 7523.7 | 7338.6 | 7884.5 |
| 60° | *2469.2* | *2626.1* | *3162.6* | *3727.3* | *4671.7* | *5321.2* | *6667.2* | *8493.2* | *8590.5* | *7137.8* | *7279.0* |
| 62.5° | 1885.6 | 1951.5 | 2255.9 | 2726.5 | 3457.5 | 4411.3 | 6563.6 | 8781.9 | 8857.2 | 6598.2 | 6372.3 |
| 65° | 1418.1 | 1499.7 | 1791.5 | 2211.9 | 2441.0 | 2990.0 | 5885.9 | 7633.5 | 7737.1 | 5889.1 | 4954.1 |
| 67.5° | 869.1 | 935.0 | 1324.0 | 1816.6 | 1848.0 | 1857.4 | 3972.1 | 5782.4 | 5820.1 | 4750.2 | 3335.2 |
| 70° | 580.4 | 646.3 | 916.1 | 1396.2 | 1471.5 | 1069.9 | 2180.6 | 4376.8 | 4373.7 | 3250.4 | 2026.8 |
| 72.5° | 335.7 | 367.1 | 580.4 | 1029.1 | 1157.7 | 680.8 | 1088.7 | 2783.0 | 2660.6 | 1528.0 | 947.5 |
| 75° | 191.4 | 213.3 | 320.0 | 662.0 | 812.6 | 433.0 | 429.8 | 1490.3 | 1317.7 | 787.5 | 517.7 |
| 77.5° | 116.1 | 125.5 | 175.7 | 433.0 | 489.4 | 291.8 | 238.4 | 693.4 | 668.3 | 461.2 | 273.0 |
| 80° | 56.5 | 65.9 | 106.7 | 254.1 | 313.7 | 156.9 | 144.3 | 273.0 | 291.8 | 254.1 | 144.3 |
| 82.5° | 18.8 | 25.1 | 59.6 | 97.3 | 203.9 | 62.7 | 59.6 | 150.6 | 160.0 | 150.6 | 69.0 |
| 85° | 9.4 | 12.5 | 28.2 | 31.4 | 78.4 | 31.4 | 22.0 | 65.9 | 81.6 | 50.2 | 28.2 |
| 87.5° | 0.0 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 6.3 | 6.3 | 6.3 | 6.3 |
| 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 |
| 2.5° | 1926.4 | 1920.1 | 1907.6 | 1885.6 | 1882.5 | 1866.8 | 1841.7 | 1826.0 | 1813.5 | 1822.9 | 1826.0 |
| 5° | 1960.9 | 1945.2 | 1907.6 | 1848.0 | 1785.2 | 1722.5 | 1662.9 | 1593.8 | 1546.8 | 1540.5 | 1528.0 |
| 7.5° | 2023.7 | 1992.3 | 1910.7 | 1794.6 | 1634.6 | 1484.0 | 1308.3 | 1138.9 | 1054.2 | 1041.6 | 1013.4 |
| 10° | 2124.1 | 2070.7 | 1935.8 | 1700.5 | 1393.0 | 1079.3 | 812.6 | 630.6 | 527.1 | 508.3 | 514.5 |
| 12.5° | 2243.3 | 2168.0 | 1939.0 | 1540.5 | 1060.5 | 668.3 | 461.2 | 392.2 | 370.2 | 360.8 | 360.8 |
| 15° | 2397.0 | 2287.2 | 1935.8 | 1333.4 | 715.3 | 429.8 | 370.2 | 342.0 | 332.6 | 326.3 | 326.3 |
| 17.5° | 2591.6 | 2447.2 | 1913.9 | 1022.8 | 483.2 | 373.4 | 338.8 | 316.9 | 304.3 | 301.2 | 301.2 |
| 20° | 2820.6 | 2626.1 | 1863.7 | 762.4 | 404.7 | 348.3 | 320.0 | 291.8 | 282.4 | 276.1 | 276.1 |
| 22.5° | 3112.4 | 2842.6 | 1766.4 | 593.0 | 382.8 | 332.6 | 301.2 | 269.8 | 260.4 | 254.1 | 254.1 |
| 25° | 3451.2 | 3118.7 | 1637.8 | 533.4 | 379.6 | 320.0 | 282.4 | 251.0 | 241.6 | 238.4 | 235.3 |
| 27.5° | 3852.8 | 3413.6 | 1518.5 | 536.5 | 385.9 | 310.6 | 263.5 | 235.3 | 225.9 | 216.5 | 219.6 |
| 30° | 4326.6 | 3717.9 | 1421.3 | 574.2 | 392.2 | 301.2 | 251.0 | 225.9 | 216.5 | 203.9 | 203.9 |
| 32.5° | 4794.1 | 4075.6 | 1411.9 | 643.2 | 414.1 | 294.9 | 238.4 | 213.3 | 203.9 | 194.5 | 194.5 |
| 35° | 5274.1 | 4401.9 | 1465.2 | 734.2 | 458.1 | 285.5 | 222.8 | 200.8 | 191.4 | 185.1 | 182.0 |
| 37.5° | 5732.2 | 4662.3 | 1515.4 | 790.6 | 433.0 | 244.7 | 203.9 | 185.1 | 175.7 | 163.1 | 163.1 |
| 40° | 6036.5 | 4803.5 | 1524.8 | 746.7 | 357.7 | 219.6 | 185.1 | 166.3 | 153.7 | 147.5 | 144.3 |
| 42.5° | 6259.3 | 4894.5 | 1418.1 | 605.5 | 310.6 | 200.8 | 169.4 | 150.6 | 141.2 | 134.9 | 134.9 |
| 45° | 6350.3 | 4863.1 | 1236.2 | 461.2 | 285.5 | 185.1 | 153.7 | 138.0 | 131.8 | 125.5 | 125.5 |
| 47.5° | 6337.7 | 4718.8 | 1051.1 | 370.2 | 260.4 | 169.4 | 144.3 | 131.8 | 125.5 | 119.2 | 116.1 |
| 50° | 6315.8 | 4583.9 | 862.8 | 329.4 | 232.2 | 160.0 | 134.9 | 125.5 | 116.1 | 109.8 | 106.7 |
| 52.5° | 6460.1 | 4540.0 | 715.3 | 301.2 | 216.5 | 153.7 | 131.8 | 119.2 | 109.8 | 103.5 | 103.5 |
| 55° | 6604.4 | 4558.8 | 561.6 | 282.4 | 200.8 | 150.6 | 128.6 | 116.1 | 106.7 | 97.3 | 97.3 |
| 57.5° | 6595.0 | 4477.2 | 426.7 | 263.5 | 188.2 | 147.5 | 125.5 | 112.9 | 97.3 | 91.0 | 91.0 |
| 60° | *5995.8* | *3994.0* | *332.6* | *241.6* | *172.6* | *138.0* | *116.1* | *106.7* | *91.0* | *81.6* | *81.6* |
| 62.5° | 5070.2 | 3140.6 | 273.0 | 213.3 | 153.7 | 125.5 | 106.7 | 97.3 | 81.6 | 65.9 | 65.9 |
| 65° | 3746.2 | 2265.3 | 219.6 | 185.1 | 141.2 | 109.8 | 97.3 | 84.7 | 65.9 | 53.3 | 50.2 |
| 67.5° | 2535.1 | 1393.0 | 175.7 | 153.7 | 125.5 | 94.1 | 81.6 | 72.2 | 59.6 | 43.9 | 40.8 |
| 70° | 1502.9 | 740.4 | 128.6 | 106.7 | 94.1 | 69.0 | 69.0 | 62.7 | 50.2 | 37.6 | 34.5 |
| 72.5° | 715.3 | 257.3 | 94.1 | 78.4 | 72.2 | 50.2 | 53.3 | 53.3 | 40.8 | 28.2 | 25.1 |
| 75° | 363.9 | 125.5 | 62.7 | 56.5 | 47.1 | 37.6 | 43.9 | 40.8 | 28.2 | 18.8 | 18.8 |
| 77.5° | 207.1 | 87.8 | 43.9 | 37.6 | 31.4 | 25.1 | 28.2 | 25.1 | 15.7 | 9.4 | 9.4 |
| 80° | 116.1 | 62.7 | 28.2 | 25.1 | 18.8 | 15.7 | 15.7 | 12.5 | 9.4 | 3.1 | 3.1 |
| 82.5° | 43.9 | 37.6 | 18.8 | 12.5 | 9.4 | 9.4 | 6.3 | 6.3 | 3.1 | 0.0 | 0.0 |
| 85° | 18.8 | 9.4 | 9.4 | 6.3 | 6.3 | 3.1 | 3.1 | 3.1 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.1 | 3.1 | 3.1 | 3.1 | 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° | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 |
| 2.5° | 1800.9 | 1807.2 | 1813.5 | 1838.6 | 1844.8 | 1863.7 | 1879.4 | 1898.2 | 1901.3 | 1926.4 | 1926.4 |
| 5° | 1553.1 | 1549.9 | 1603.3 | 1681.7 | 1731.9 | 1800.9 | 1854.3 | 1910.7 | 1942.1 | 1982.9 | 2001.7 |
| 7.5° | 1029.1 | 1107.5 | 1226.8 | 1364.8 | 1543.6 | 1709.9 | 1835.4 | 1945.2 | 2020.5 | 2067.6 | 2086.4 |
| 10° | 511.4 | 555.3 | 680.8 | 906.7 | 1211.1 | 1549.9 | 1816.6 | 2020.5 | 2142.9 | 2196.2 | 2230.8 |
| 12.5° | 360.8 | 370.2 | 392.2 | 514.5 | 806.3 | 1286.4 | 1757.0 | 2102.1 | 2271.5 | 2371.9 | 2415.9 |
| 15° | 323.2 | 329.4 | 338.8 | 373.4 | 498.9 | 960.1 | 1650.3 | 2193.1 | 2472.3 | 2588.4 | 2644.9 |
| 17.5° | 298.1 | 301.2 | 310.6 | 338.8 | 392.2 | 652.6 | 1477.8 | 2290.4 | 2713.9 | 2855.1 | 2961.8 |
| 20° | 276.1 | 276.1 | 285.5 | 320.0 | 363.9 | 502.0 | 1229.9 | 2400.2 | 3021.4 | 3225.3 | 3332.0 |
| 22.5° | 251.0 | 257.3 | 263.5 | 301.2 | 354.5 | 458.1 | 997.7 | 2484.9 | 3363.4 | 3611.3 | 3736.8 |
| 25° | 232.2 | 238.4 | 244.7 | 282.4 | 345.1 | 458.1 | 862.8 | 2538.2 | 3746.2 | 4041.1 | 4213.7 |
| 27.5° | 216.5 | 222.8 | 232.2 | 269.8 | 335.7 | 476.9 | 809.5 | 2553.9 | 4163.5 | 4546.2 | 4778.4 |
| 30° | 203.9 | 210.2 | 219.6 | 260.4 | 342.0 | 498.9 | 828.3 | 2532.0 | 4587.0 | 5067.1 | 5343.2 |
| 32.5° | 191.4 | 197.7 | 207.1 | 251.0 | 342.0 | 527.1 | 891.0 | 2488.0 | 4998.0 | 5587.9 | 5926.7 |
| 35° | 182.0 | 185.1 | 188.2 | 225.9 | 310.6 | 524.0 | 969.5 | 2444.1 | 5412.2 | 6102.4 | 6497.8 |
| 37.5° | 163.1 | 166.3 | 172.6 | 194.5 | 247.9 | 476.9 | 985.2 | 2390.8 | 5738.5 | 6535.4 | 6971.5 |
| 40° | 144.3 | 150.6 | 156.9 | 178.8 | 207.1 | 385.9 | 916.1 | 2277.8 | 5911.0 | 6868.0 | 7398.2 |
| 42.5° | 131.8 | 134.9 | 141.2 | 163.1 | 191.4 | 307.5 | 768.7 | 2080.2 | 6064.8 | 7093.9 | 7708.8 |
| 45° | 122.4 | 125.5 | 131.8 | 147.5 | 178.8 | 266.7 | 605.5 | 1838.6 | 6077.3 | 7166.0 | 7859.4 |
| 47.5° | 112.9 | 116.1 | 119.2 | 134.9 | 172.6 | 238.4 | 464.3 | 1618.9 | 6074.2 | 7260.2 | 7988.1 |
| 50° | 106.7 | 109.8 | 116.1 | 128.6 | 163.1 | 213.3 | 382.8 | 1440.1 | 6206.0 | 7464.1 | 8248.5 |
| 52.5° | 103.5 | 103.5 | 112.9 | 125.5 | 153.7 | 194.5 | 320.0 | 1280.1 | 6275.0 | 7664.9 | 8436.7 |
| 55° | 97.3 | 100.4 | 106.7 | 119.2 | 144.3 | 185.1 | 273.0 | 1079.3 | 6306.4 | 7765.3 | 8471.2 |
| 57.5° | 91.0 | 94.1 | 103.5 | 112.9 | 138.0 | 175.7 | 235.3 | 806.3 | 5857.7 | 7241.3 | 7893.9 |
| 60° | *81.6* | *87.8* | *100.4* | *109.8* | *128.6* | *160.0* | *207.1* | *545.9* | *4941.6* | *6293.8* | *6839.7* |
| 62.5° | 65.9 | 78.4 | 91.0 | 97.3 | 116.1 | 134.9 | 175.7 | 363.9 | 3947.0 | 5208.2 | 5829.5 |
| 65° | 50.2 | 65.9 | 75.3 | 84.7 | 97.3 | 112.9 | 147.5 | 247.9 | 2632.4 | 3504.6 | 4204.2 |
| 67.5° | 43.9 | 56.5 | 62.7 | 69.0 | 81.6 | 97.3 | 119.2 | 172.6 | 1597.0 | 2105.3 | 2795.5 |
| 70° | 34.5 | 47.1 | 53.3 | 50.2 | 62.7 | 75.3 | 84.7 | 116.1 | 815.7 | 1142.0 | 1590.7 |
| 72.5° | 25.1 | 37.6 | 40.8 | 40.8 | 37.6 | 53.3 | 62.7 | 81.6 | 354.5 | 555.3 | 721.6 |
| 75° | 18.8 | 25.1 | 28.2 | 25.1 | 22.0 | 34.5 | 43.9 | 53.3 | 232.2 | 332.6 | 420.4 |
| 77.5° | 9.4 | 9.4 | 15.7 | 15.7 | 9.4 | 18.8 | 22.0 | 31.4 | 131.8 | 194.5 | 241.6 |
| 80° | 3.1 | 0.0 | 0.0 | 3.1 | 0.0 | 6.3 | 9.4 | 15.7 | 69.0 | 103.5 | 150.6 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 34.5 | 31.4 | 78.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 18.8 |
| 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: P1501787
CATALOG NUMBER: GSS-SB2C-730-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 | 1920.1 |
| 2.5° | 1942.1 | 1942.1 | 1954.7 | 1973.5 | 1982.9 | 1989.2 | 1992.3 | 1998.6 | 2023.7 | 2017.4 |
| 5° | 2023.7 | 2030.0 | 2039.4 | 2058.2 | 2080.2 | 2073.9 | 2073.9 | 2073.9 | 2089.6 | 2077.0 |
| 7.5° | 2130.4 | 2149.2 | 2152.3 | 2174.3 | 2158.6 | 2127.2 | 2108.4 | 2080.2 | 2077.0 | 2077.0 |
| 10° | 2302.9 | 2296.6 | 2296.6 | 2268.4 | 2211.9 | 2120.9 | 2039.4 | 1982.9 | 1951.5 | 1954.7 |
| 12.5° | 2488.0 | 2462.9 | 2466.1 | 2362.5 | 2202.5 | 2001.7 | 1835.4 | 1713.1 | 1703.7 | 1694.2 |
| 15° | 2717.1 | 2651.2 | 2638.6 | 2400.2 | 2061.3 | 1753.9 | 1590.7 | 1493.4 | 1462.1 | 1452.7 |
| 17.5° | 3043.4 | 2877.1 | 2817.5 | 2334.3 | 1876.2 | 1600.1 | 1477.8 | 1433.8 | 1430.7 | 1427.6 |
| 20° | 3388.5 | 3059.1 | 2946.1 | 2237.0 | 1813.5 | 1603.3 | 1512.3 | 1499.7 | 1493.4 | 1496.6 |
| 22.5° | 3790.1 | 3175.1 | 3030.8 | 2252.7 | 1869.9 | 1706.8 | 1634.6 | 1625.2 | 1618.9 | 1625.2 |
| 25° | 4204.2 | 3310.1 | 3131.2 | 2378.2 | 2039.4 | 1898.2 | 1813.5 | 1794.6 | 1813.5 | 1841.7 |
| 27.5° | 4621.5 | 3492.0 | 3328.9 | 2626.1 | 2312.3 | 2158.6 | 2077.0 | 2146.0 | 2174.3 | 2177.4 |
| 30° | 4991.8 | 3746.2 | 3595.6 | 2974.3 | 2622.9 | 2469.2 | 2484.9 | 2572.7 | 2607.3 | 2641.8 |
| 32.5° | 5330.6 | 4085.0 | 3968.9 | 3369.7 | 3024.5 | 2933.6 | 2924.1 | 2990.0 | 3027.7 | 3005.7 |
| 35° | 5672.6 | 4527.4 | 4414.5 | 3799.5 | 3517.1 | 3441.8 | 3363.4 | 3492.0 | 3479.5 | 3445.0 |
| 37.5° | 5995.8 | 4972.9 | 4869.4 | 4260.7 | 3968.9 | 3837.2 | 3824.6 | 3940.7 | 4044.2 | 4038.0 |
| 40° | 6227.9 | 5333.7 | 5208.2 | 4718.8 | 4442.7 | 4329.7 | 4395.6 | 4596.4 | 4571.3 | 4536.8 |
| 42.5° | 6441.3 | 5641.2 | 5528.3 | 5120.4 | 4831.7 | 4881.9 | 4941.6 | 5076.5 | 5060.8 | 5026.3 |
| 45° | 6541.7 | 5904.8 | 5807.5 | 5424.7 | 5283.5 | 5443.6 | 5440.4 | 5490.6 | 5405.9 | 5393.4 |
| 47.5° | 6682.9 | 6093.0 | 5992.6 | 5697.7 | 5823.2 | 5889.1 | 5704.0 | 5650.6 | 5572.2 | 5509.4 |
| 50° | 6943.3 | 6384.8 | 6284.4 | 6111.8 | 6218.5 | 6014.6 | 5788.7 | 5672.6 | 5512.6 | 5402.8 |
| 52.5° | 7247.6 | 6827.2 | 6739.3 | 6670.3 | 6372.3 | 5951.8 | 5663.2 | 5453.0 | 5258.4 | 5164.3 |
| 55° | 7630.4 | 7479.8 | 7417.0 | 7037.4 | 6234.2 | 5694.6 | 5355.7 | 4963.5 | 4696.8 | 4609.0 |
| 57.5° | 7755.9 | 8436.7 | 8414.8 | 7097.0 | 5848.3 | 5227.1 | 4615.3 | 4085.0 | 3808.9 | 3752.4 |
| 60° | 7385.7 | 9186.6 | 9108.2 | 6996.6 | 5148.6 | 4241.9 | 3526.5 | 2983.8 | 2535.1 | 2469.2 |
| 62.5° | 6911.9 | 8612.4 | 8584.2 | 6491.5 | 3921.9 | 3040.2 | 2635.5 | 2127.2 | 1935.8 | 1885.6 |
| 65° | 5920.5 | 7046.8 | 7059.4 | 5208.2 | 2481.8 | 2183.7 | 2164.9 | 1691.1 | 1455.8 | 1418.1 |
| 67.5° | 4558.8 | 5405.9 | 5318.1 | 3275.5 | 1446.4 | 1747.6 | 1728.8 | 1236.2 | 894.2 | 869.1 |
| 70° | 2663.7 | 4025.4 | 3884.2 | 1703.7 | 956.9 | 1458.9 | 1330.3 | 869.1 | 608.7 | 580.4 |
| 72.5° | 1176.6 | 2215.1 | 2378.2 | 749.9 | 674.6 | 1160.9 | 960.1 | 533.4 | 342.0 | 335.7 |
| 75° | 652.6 | 1098.1 | 1148.3 | 326.3 | 473.8 | 825.2 | 580.4 | 298.1 | 194.5 | 191.4 |
| 77.5° | 392.2 | 486.3 | 473.8 | 210.2 | 354.5 | 527.1 | 351.4 | 169.4 | 122.4 | 116.1 |
| 80° | 219.6 | 222.8 | 188.2 | 153.7 | 210.2 | 294.9 | 197.7 | 106.7 | 56.5 | 56.5 |
| 82.5° | 134.9 | 122.4 | 97.3 | 47.1 | 56.5 | 178.8 | 72.2 | 59.6 | 18.8 | 18.8 |
| 85° | 56.5 | 37.6 | 25.1 | 9.4 | 22.0 | 47.1 | 25.1 | 28.2 | 9.4 | 9.4 |
| 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

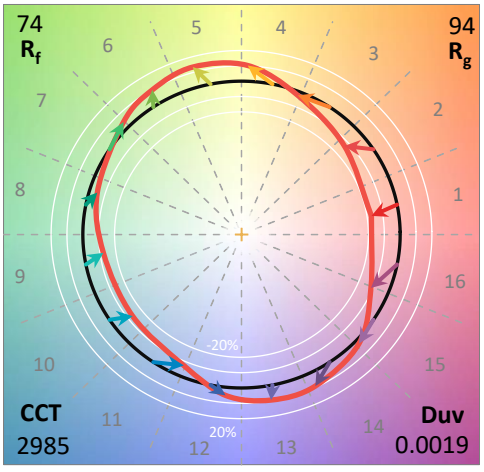
## Test Information

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

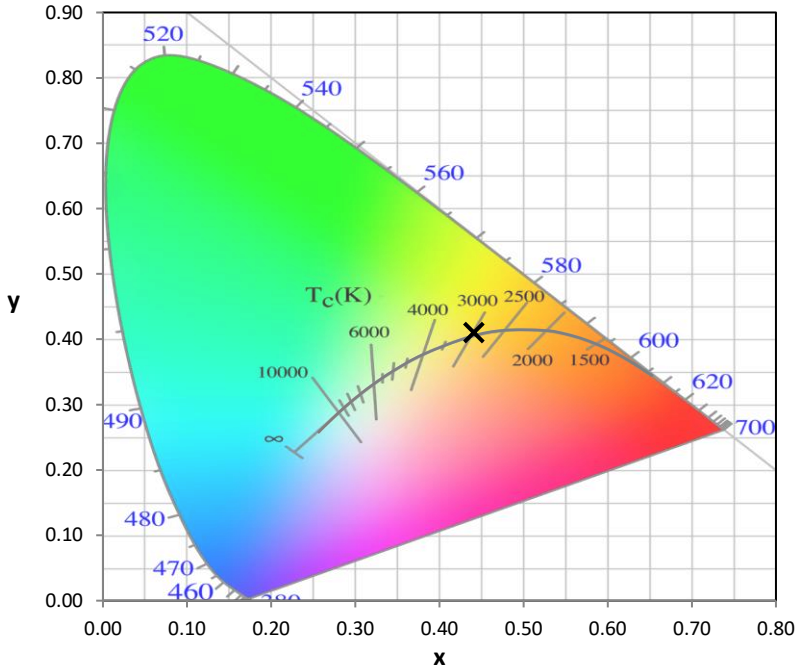
| | |
|---|---|
| Stabilization Time: | 36M |
| Operation Time: | 1H 36M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-4

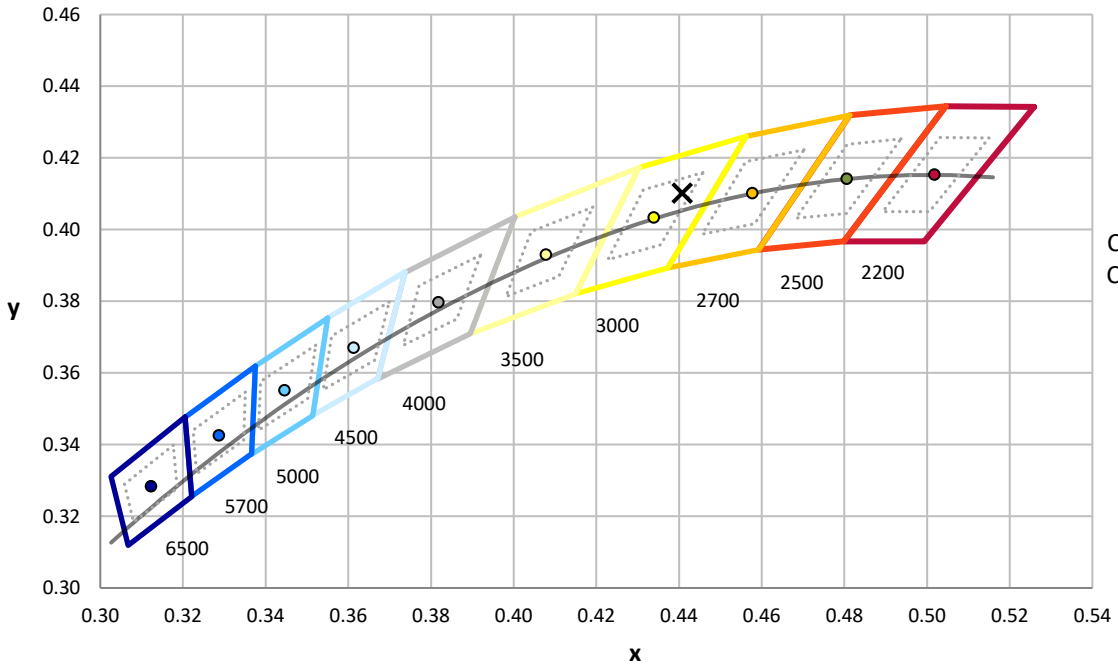
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

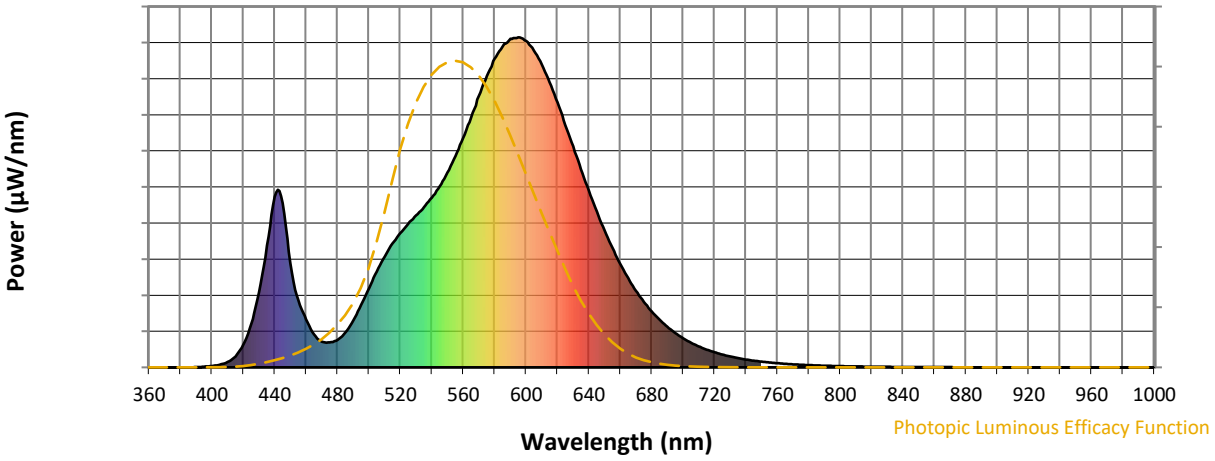



CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

## Photopic Flux vs. Wavelength

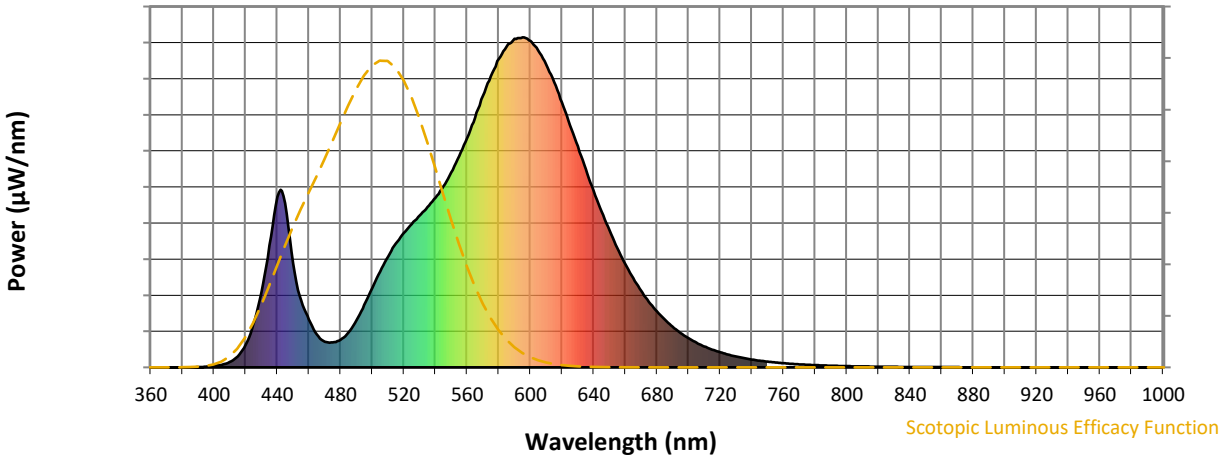



## Photopic Lumens: NR

| 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

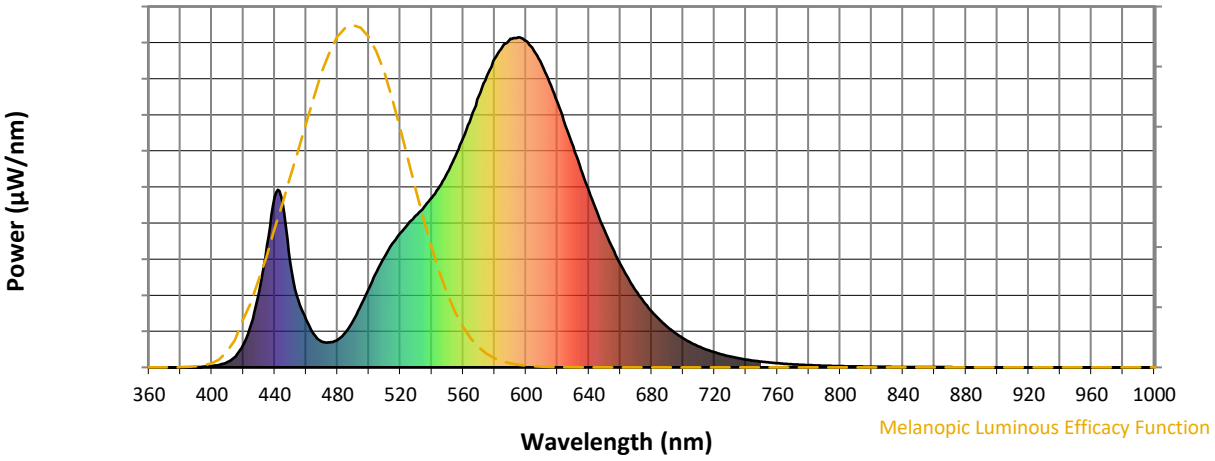



**Scotopic Lumens: NR** **S/P: 1.19**

| 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 | | | |

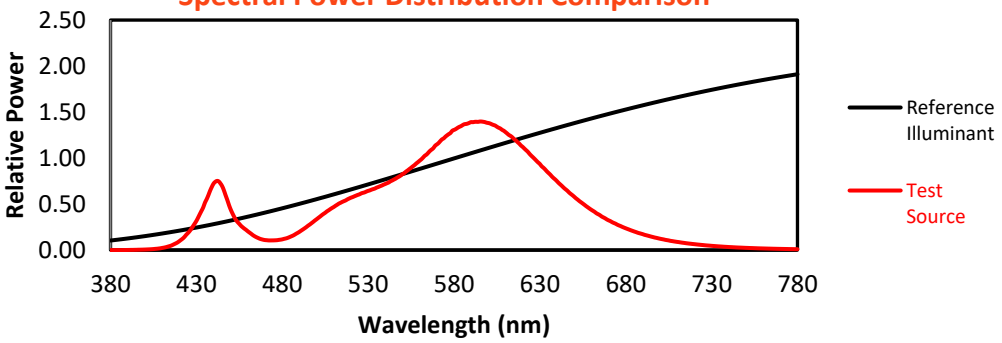
REPORT NUMBER: SP1-2407-184-4

# TM-30-18

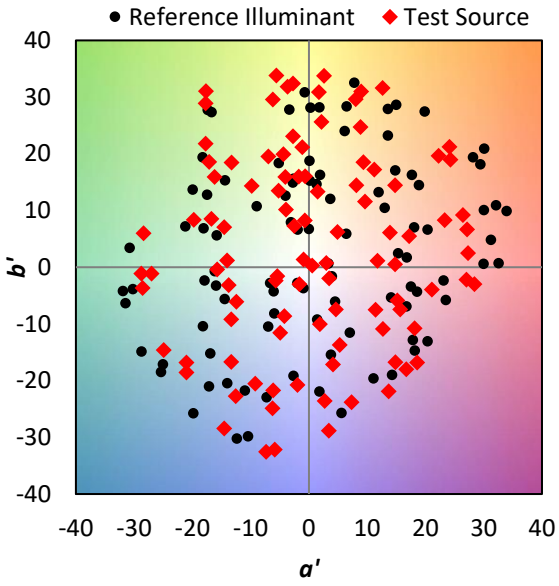
## Summary

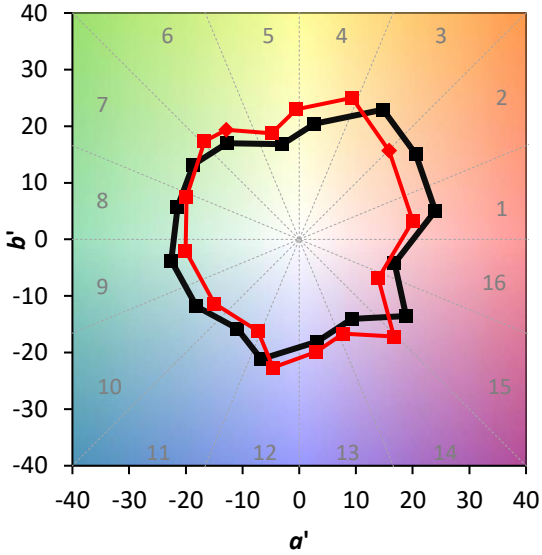
$R_f$ = 73.8
$R_g$ = 94.4
CIE $R_a$ = 70.8
$R_9$ = -43.2

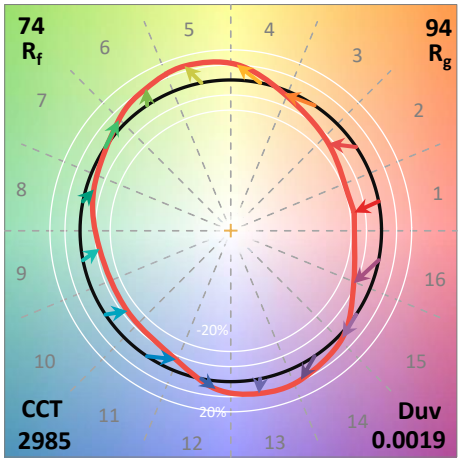
## Spectral Power Distribution Comparison

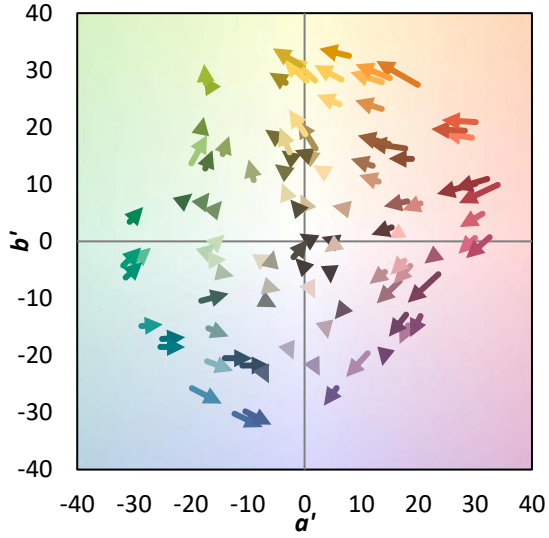



## Color Vector Graphics



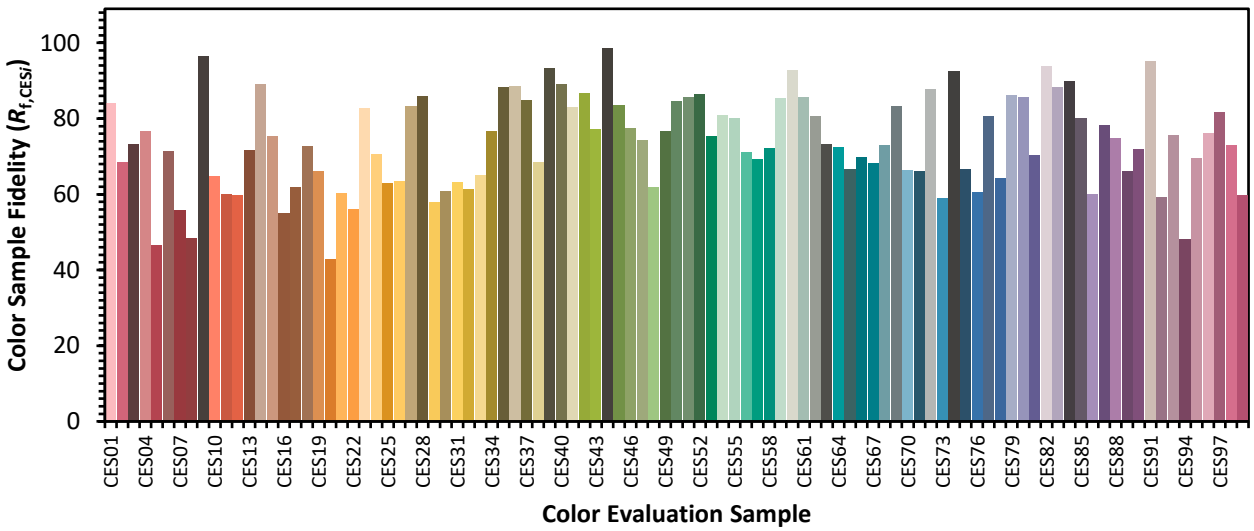



REPORT NUMBER: SP1-2407-184-4

# TM-30-18

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

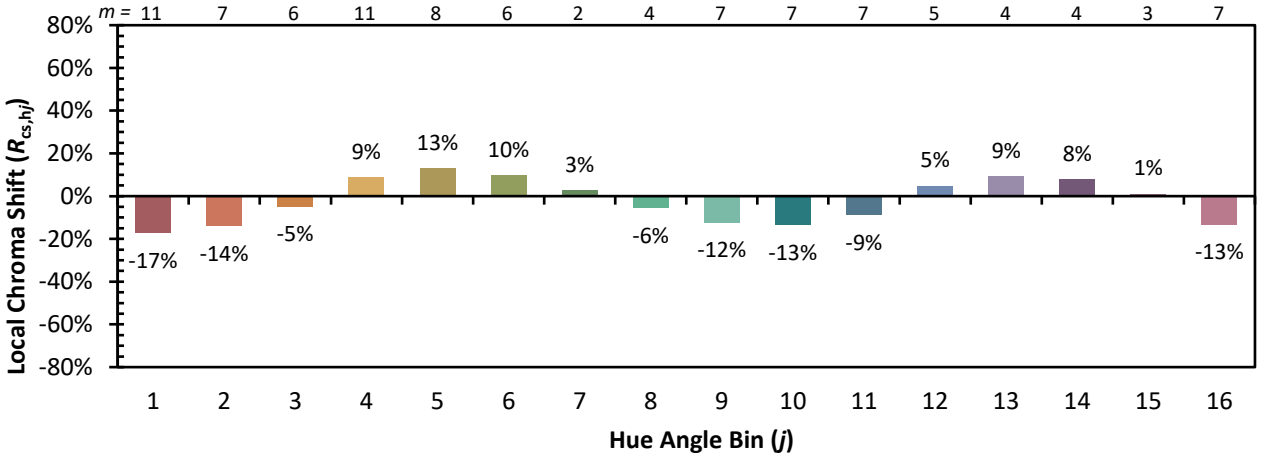
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 63 | CES51 = 86 | CES76 = 61 |
| CES02 = 62 | CES27 = 83 | CES52 = 86 | CES77 = 81 |
| CES03 = 31 | CES28 = 86 | CES53 = 75 | CES78 = 64 |
| CES04 = 71 | CES29 = 58 | CES54 = 81 | CES79 = 86 |
| CES05 = 49 | CES30 = 61 | CES55 = 80 | CES80 = 86 |
| CES06 = 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 | |

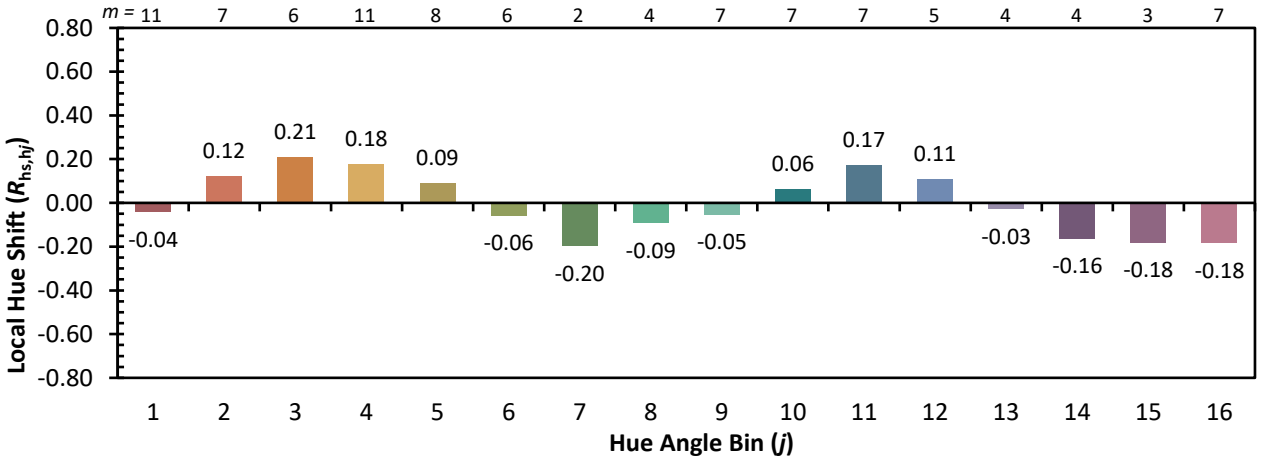


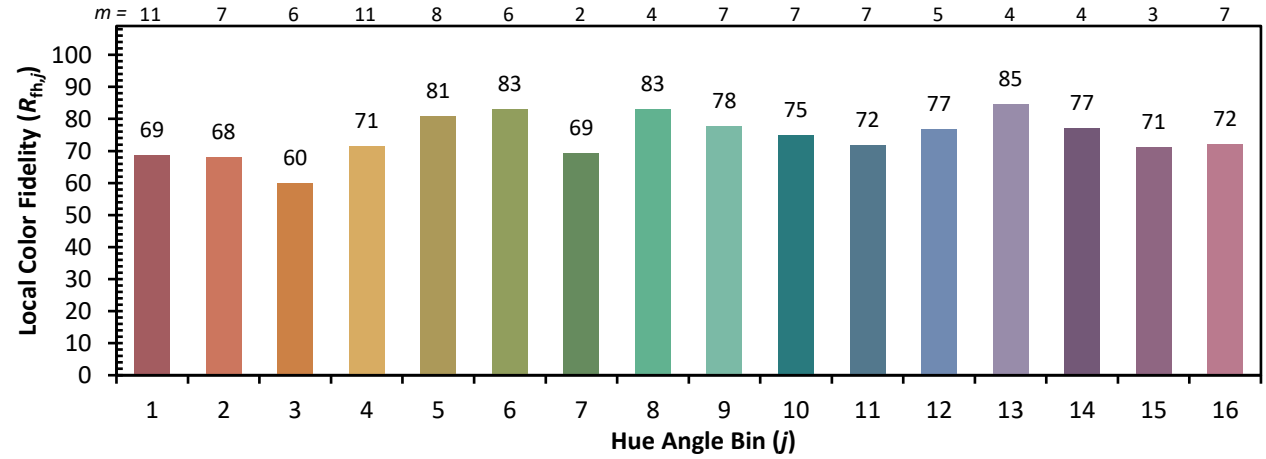
REPORT NUMBER: SP1-2407-184-4

**TM-30-18**

## Color Rendition by Hue-Angle Bin



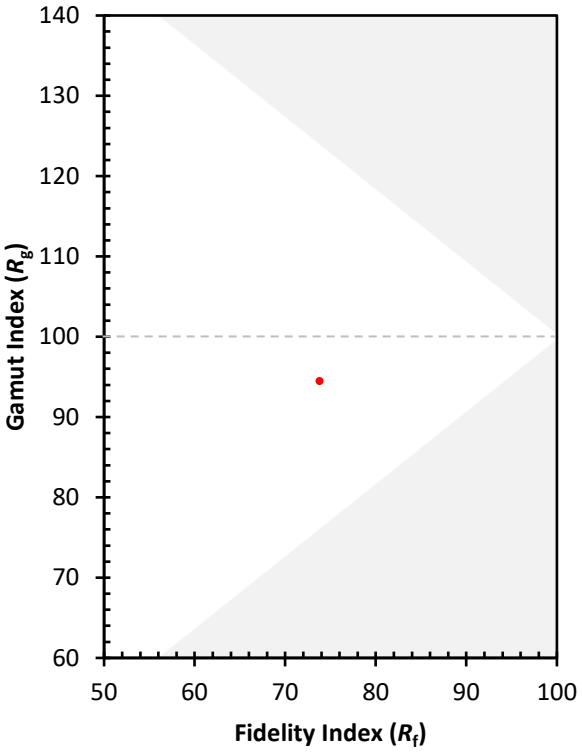



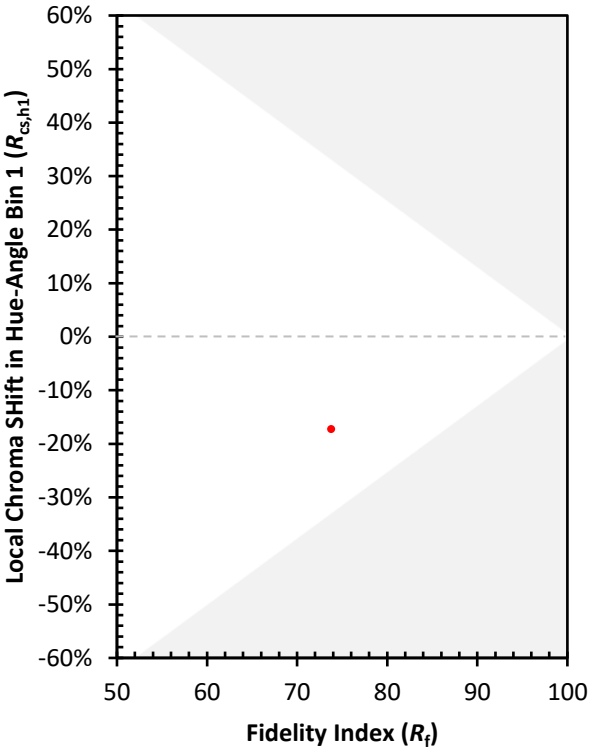



REPORT NUMBER: SP1-2407-184-4

# TM-30-18

## Measure Comparisons




(END OF REPORT)