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: P1501883

Luminaire Tested: GSS-SB2C-827-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: | P1501883 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB2C-827-U-T2LG-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD |
| Light Source: | (52) 2700K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 9745.2 lumens |
| Efficiency: | N/A |
| Efficacy: | 95.5 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B1 - U0 - G2 |

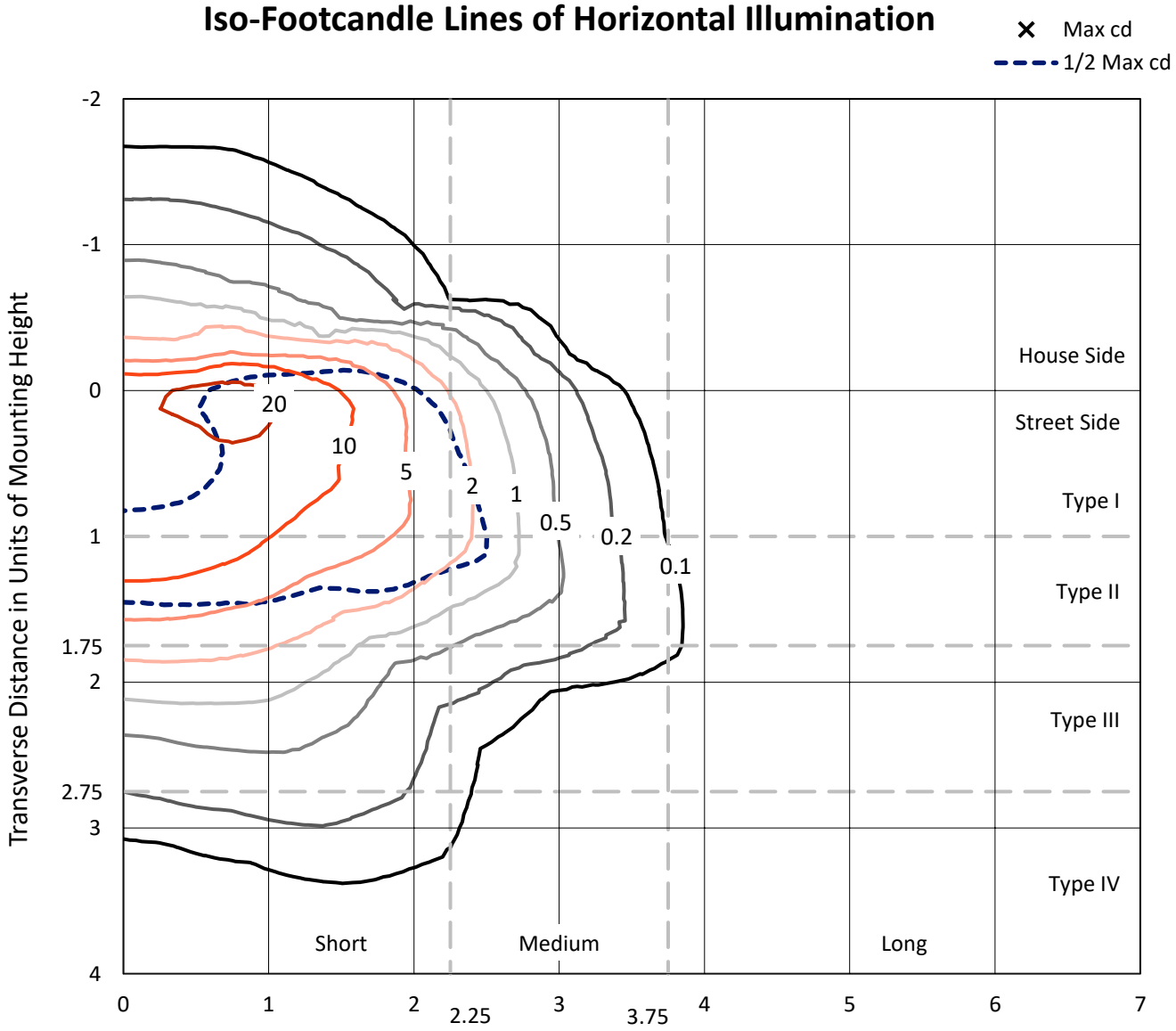
| | |
|---|---|
| Input Watts (W): | 102 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 9.5% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



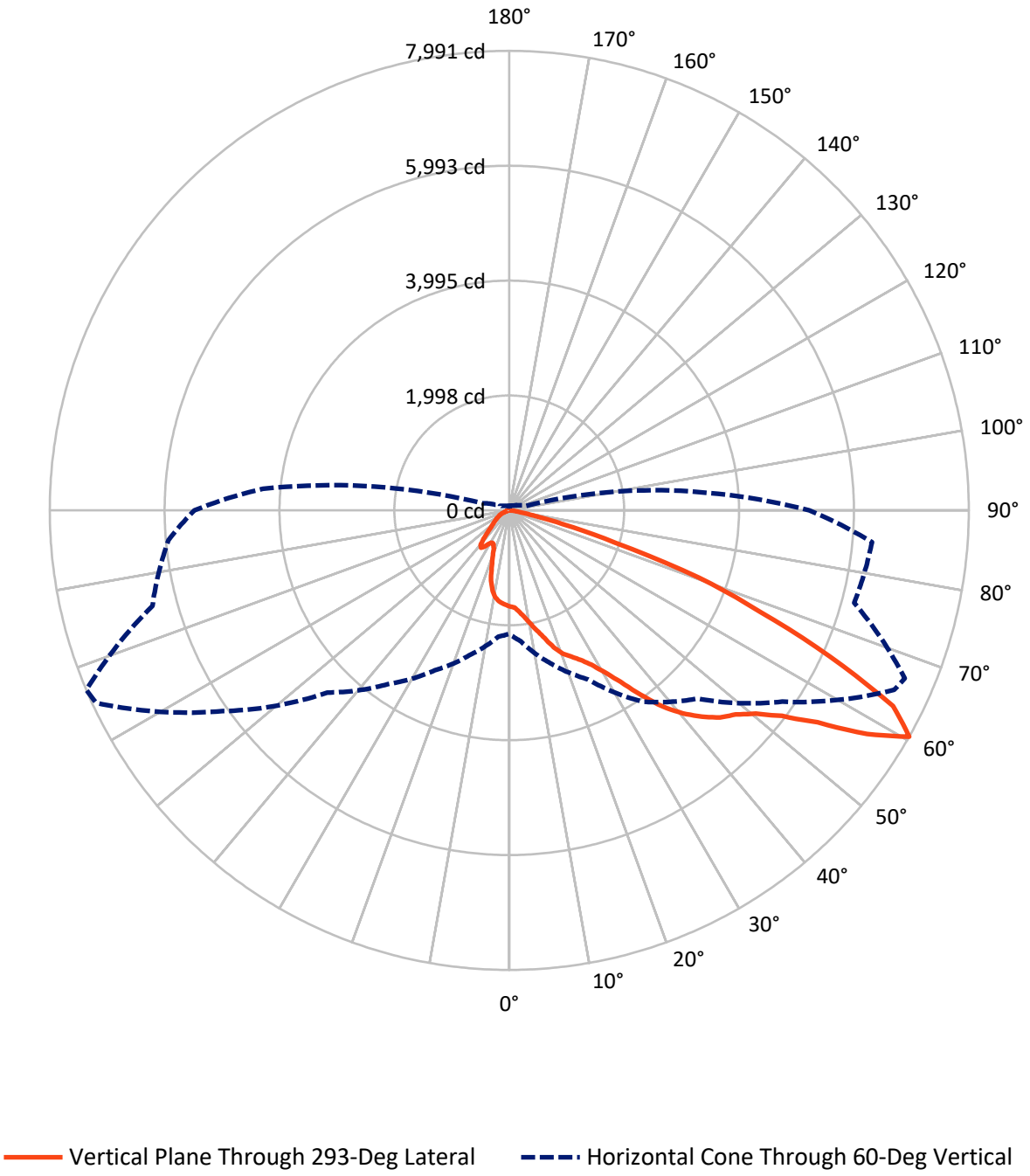

Based on 10 foot mounting height. Maximum calculated value = 27.8 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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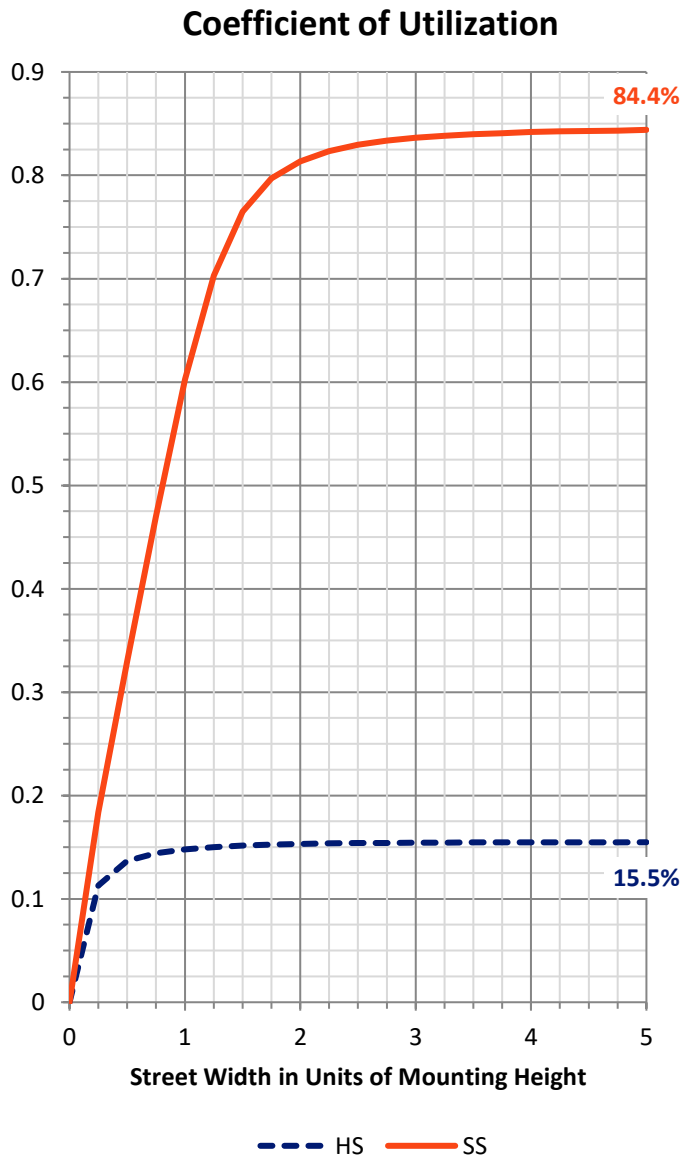
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1520.5 | 0.0 | 1520.5 |
| | % Fixture | 15.6 | 0.0 | 15.6 |
| **Street Side** | Lumens | 8224.7 | 0.0 | 8224.7 |
| | % Fixture | 84.4 | 0.0 | 84.4 |
| **Total** | Lumens | 9745.2 | 0.0 | 9745.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 151.2 | 1.6 |
| 10°-20° | 380.9 | 3.9 |
| 20°-30° | 711.1 | 7.3 |
| 30°-40° | 1410.1 | 14.5 |
| 40°-50° | 2248.2 | 23.1 |
| 50°-60° | 2686.0 | 27.6 |
| 60°-70° | 1760.9 | 18.1 |
| 70°-80° | 368.9 | 3.8 |
| 80°-90° | 27.9 | 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° | 9745.2 | 100.0 |
| 0°-180° | 9745.2 | 100.0 |



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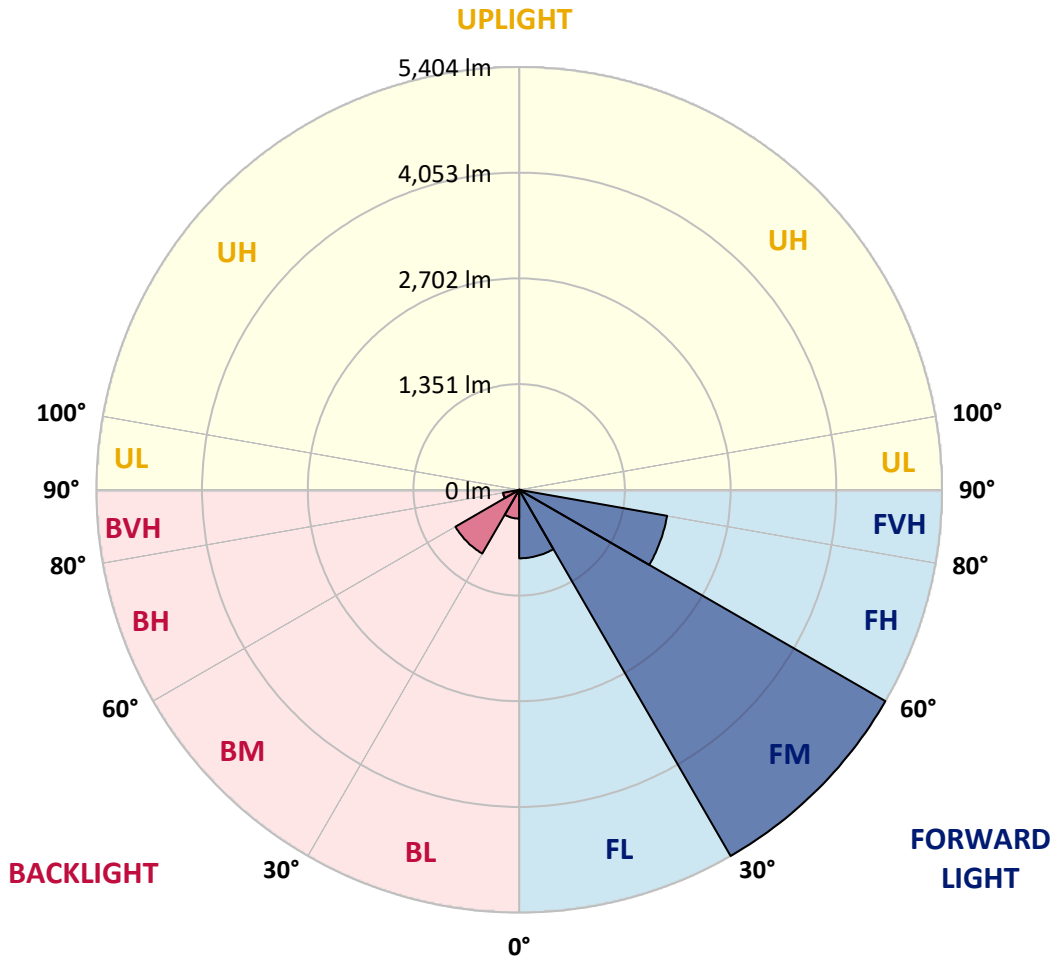
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 875.3 | 9.0 | | | |
| FM | (30°-60°) | 5404.1 | 55.5 | | | |
| FH | (60°-80°) | 1919.7 | 19.7 | | | G2/5000 |
| FVH | (80°-90°) | 25.6 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 367.9 | 3.8 | B1/500 | | |
| BM | (30°-60°) | 940.3 | 9.6 | B1/1000 | | |
| BH | (60°-80°) | 210.0 | 2.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 2.3 | 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-G2**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 |
| 2.5° | 1754.8 | 1749.4 | 1741.2 | 1743.9 | 1741.2 | 1730.3 | 1713.9 | 1700.2 | 1711.2 | 1694.8 | 1683.9 |
| 5° | 1806.7 | 1806.7 | 1801.2 | 1801.2 | 1804.0 | 1798.5 | 1787.6 | 1768.5 | 1771.2 | 1757.6 | 1722.1 |
| 7.5° | 1806.7 | 1798.5 | 1812.1 | 1825.8 | 1850.3 | 1864.0 | 1869.5 | 1858.5 | 1864.0 | 1836.7 | 1790.3 |
| 10° | 1700.2 | 1694.8 | 1730.3 | 1782.1 | 1853.1 | 1915.8 | 1956.8 | 1959.5 | 1967.7 | 1940.4 | 1885.8 |
| 12.5° | 1473.7 | 1462.8 | 1533.8 | 1632.0 | 1776.7 | 1921.3 | 2035.9 | 2079.6 | 2098.7 | 2087.8 | 2011.4 |
| 15° | 1263.6 | 1277.2 | 1326.4 | 1432.8 | 1626.6 | 1847.6 | 2079.6 | 2224.2 | 2251.5 | 2265.2 | 2175.1 |
| 17.5° | 1241.8 | 1244.5 | 1260.9 | 1312.7 | 1460.1 | 1727.5 | 2085.1 | 2374.3 | 2412.5 | 2472.6 | 2349.8 |
| 20° | 1301.8 | 1296.3 | 1312.7 | 1329.1 | 1400.0 | 1621.1 | 2033.2 | 2519.0 | 2592.7 | 2720.9 | 2587.2 |
| 22.5° | 1413.7 | 1413.7 | 1421.9 | 1432.8 | 1468.3 | 1612.9 | 2011.4 | 2652.7 | 2778.2 | 3040.2 | 2884.7 |
| 25° | 1602.0 | 1580.2 | 1585.6 | 1572.0 | 1602.0 | 1711.2 | 2060.5 | 2759.1 | 2931.1 | 3395.0 | 3239.5 |
| 27.5° | 1894.0 | 1902.2 | 1853.1 | 1779.4 | 1795.8 | 1888.6 | 2180.6 | 2879.2 | 3089.4 | 3763.5 | 3599.7 |
| 30° | 2297.9 | 2284.3 | 2254.3 | 2109.6 | 2044.1 | 2126.0 | 2401.6 | 3075.7 | 3302.2 | 4230.1 | 4080.0 |
| 32.5° | 2614.5 | 2652.7 | 2600.9 | 2499.9 | 2398.9 | 2423.5 | 2712.8 | 3392.3 | 3561.5 | 4658.6 | 4576.7 |
| 35° | 2996.6 | 2996.6 | 3007.5 | 2865.6 | 2797.4 | 2791.9 | 3103.0 | 3736.2 | 3905.4 | 5046.2 | 5103.5 |
| 37.5° | 3512.4 | 3476.9 | 3416.9 | 3258.6 | 3206.7 | 3275.0 | 3468.7 | 4091.0 | 4273.8 | 5360.0 | 5512.8 |
| 40° | 3946.3 | 3970.9 | 3962.7 | 3733.4 | 3632.5 | 3706.2 | 3878.1 | 4393.9 | 4535.8 | 5562.0 | 5843.1 |
| 42.5° | 4372.1 | 4385.7 | 4350.2 | 4241.1 | 4093.7 | 4099.1 | 4241.1 | 4623.1 | 4767.8 | 5755.7 | 6154.2 |
| 45° | 4691.4 | 4688.6 | 4664.1 | 4636.8 | 4549.5 | 4459.4 | 4484.0 | 4876.9 | 5002.5 | 5818.5 | 6323.4 |
| 47.5° | 4792.3 | 4814.2 | 4836.0 | 4912.4 | 4972.5 | 4830.6 | 4705.0 | 5013.4 | 5128.0 | 5807.6 | 6386.2 |
| 50° | 4699.6 | 4745.9 | 4852.4 | 4967.0 | 5171.7 | 5160.8 | 4890.6 | 5160.8 | 5272.7 | 5867.6 | 6459.8 |
| 52.5° | 4492.1 | 4538.5 | 4680.5 | 4887.9 | 5196.3 | 5349.1 | 5234.5 | 5409.1 | 5540.1 | 6020.5 | 6612.7 |
| 55° | 4009.1 | 4028.2 | 4320.2 | 4593.1 | 5073.4 | 5267.2 | 5602.9 | 5829.4 | 5938.6 | 6206.0 | 6814.6 |
| 57.5° | 3264.0 | 3310.4 | 3597.0 | 4041.8 | 4729.6 | 5051.6 | 5813.0 | 6547.2 | 6544.4 | 6383.4 | 6858.3 |
| 60° | *2147.8* | *2284.3* | *2751.0* | *3242.2* | *4063.7* | *4628.6* | *5799.4* | *7387.7* | *7472.3* | *6208.8* | *6331.6* |
| 62.5° | 1640.2 | 1697.5 | 1962.2 | 2371.6 | 3007.5 | 3837.2 | 5709.3 | 7638.8 | 7704.3 | 5739.4 | 5542.9 |
| 65° | 1233.6 | 1304.5 | 1558.3 | 1924.0 | 2123.3 | 2600.9 | 5119.8 | 6640.0 | 6730.0 | 5122.6 | 4309.3 |
| 67.5° | 756.0 | 813.3 | 1151.7 | 1580.2 | 1607.5 | 1615.6 | 3455.1 | 5029.8 | 5062.5 | 4131.9 | 2901.1 |
| 70° | 504.9 | 562.2 | 796.9 | 1214.5 | 1280.0 | 930.6 | 1896.7 | 3807.1 | 3804.4 | 2827.4 | 1763.0 |
| 72.5° | 292.0 | 319.3 | 504.9 | 895.2 | 1007.0 | 592.2 | 947.0 | 2420.7 | 2314.3 | 1329.1 | 824.2 |
| 75° | 166.5 | 185.6 | 278.4 | 575.8 | 706.8 | 376.6 | 373.9 | 1296.3 | 1146.2 | 685.0 | 450.3 |
| 77.5° | 101.0 | 109.2 | 152.8 | 376.6 | 425.7 | 253.8 | 207.4 | 603.1 | 581.3 | 401.2 | 237.4 |
| 80° | 49.1 | 57.3 | 92.8 | 221.1 | 272.9 | 136.5 | 125.5 | 237.4 | 253.8 | 221.1 | 125.5 |
| 82.5° | 16.4 | 21.8 | 51.9 | 84.6 | 177.4 | 54.6 | 51.9 | 131.0 | 139.2 | 131.0 | 60.0 |
| 85° | 8.2 | 10.9 | 24.6 | 27.3 | 68.2 | 27.3 | 19.1 | 57.3 | 71.0 | 43.7 | 24.6 |
| 87.5° | 0.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.5 | 5.5 | 5.5 | 5.5 |
| 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 |
| 2.5° | 1675.7 | 1670.2 | 1659.3 | 1640.2 | 1637.5 | 1623.8 | 1602.0 | 1588.4 | 1577.4 | 1585.6 | 1588.4 |
| 5° | 1705.7 | 1692.1 | 1659.3 | 1607.5 | 1552.9 | 1498.3 | 1446.4 | 1386.4 | 1345.5 | 1340.0 | 1329.1 |
| 7.5° | 1760.3 | 1733.0 | 1662.0 | 1561.1 | 1421.9 | 1290.9 | 1138.0 | 990.7 | 917.0 | 906.1 | 881.5 |
| 10° | 1847.6 | 1801.2 | 1683.9 | 1479.2 | 1211.7 | 938.8 | 706.8 | 548.6 | 458.5 | 442.1 | 447.6 |
| 12.5° | 1951.3 | 1885.8 | 1686.6 | 1340.0 | 922.4 | 581.3 | 401.2 | 341.1 | 322.0 | 313.8 | 313.8 |
| 15° | 2085.1 | 1989.5 | 1683.9 | 1159.9 | 622.2 | 373.9 | 322.0 | 297.5 | 289.3 | 283.8 | 283.8 |
| 17.5° | 2254.3 | 2128.7 | 1664.8 | 889.7 | 420.3 | 324.8 | 294.7 | 275.6 | 264.7 | 262.0 | 262.0 |
| 20° | 2453.5 | 2284.3 | 1621.1 | 663.2 | 352.1 | 302.9 | 278.4 | 253.8 | 245.6 | 240.2 | 240.2 |
| 22.5° | 2707.3 | 2472.6 | 1536.5 | 515.8 | 333.0 | 289.3 | 262.0 | 234.7 | 226.5 | 221.1 | 221.1 |
| 25° | 3002.0 | 2712.8 | 1424.6 | 464.0 | 330.2 | 278.4 | 245.6 | 218.3 | 210.1 | 207.4 | 204.7 |
| 27.5° | 3351.4 | 2969.3 | 1320.9 | 466.7 | 335.7 | 270.2 | 229.2 | 204.7 | 196.5 | 188.3 | 191.0 |
| 30° | 3763.5 | 3234.0 | 1236.3 | 499.4 | 341.1 | 262.0 | 218.3 | 196.5 | 188.3 | 177.4 | 177.4 |
| 32.5° | 4170.1 | 3545.1 | 1228.1 | 559.5 | 360.2 | 256.5 | 207.4 | 185.6 | 177.4 | 169.2 | 169.2 |
| 35° | 4587.7 | 3829.0 | 1274.5 | 638.6 | 398.5 | 248.4 | 193.8 | 174.7 | 166.5 | 161.0 | 158.3 |
| 37.5° | 4986.1 | 4055.5 | 1318.2 | 687.7 | 376.6 | 212.9 | 177.4 | 161.0 | 152.8 | 141.9 | 141.9 |
| 40° | 5250.8 | 4178.3 | 1326.4 | 649.5 | 311.1 | 191.0 | 161.0 | 144.6 | 133.7 | 128.3 | 125.5 |
| 42.5° | 5444.6 | 4257.4 | 1233.6 | 526.7 | 270.2 | 174.7 | 147.4 | 131.0 | 122.8 | 117.4 | 117.4 |
| 45° | 5523.8 | 4230.1 | 1075.3 | 401.2 | 248.4 | 161.0 | 133.7 | 120.1 | 114.6 | 109.2 | 109.2 |
| 47.5° | 5512.8 | 4104.6 | 914.3 | 322.0 | 226.5 | 147.4 | 125.5 | 114.6 | 109.2 | 103.7 | 101.0 |
| 50° | 5493.7 | 3987.3 | 750.5 | 286.6 | 202.0 | 139.2 | 117.4 | 109.2 | 101.0 | 95.5 | 92.8 |
| 52.5° | 5619.3 | 3949.0 | 622.2 | 262.0 | 188.3 | 133.7 | 114.6 | 103.7 | 95.5 | 90.1 | 90.1 |
| 55° | 5744.8 | 3965.4 | 488.5 | 245.6 | 174.7 | 131.0 | 111.9 | 101.0 | 92.8 | 84.6 | 84.6 |
| 57.5° | 5736.6 | 3894.5 | 371.2 | 229.2 | 163.7 | 128.3 | 109.2 | 98.2 | 84.6 | 79.1 | 79.1 |
| 60° | *5215.4* | *3474.2* | *289.3* | *210.1* | *150.1* | *120.1* | *101.0* | *92.8* | *79.1* | *71.0* | *71.0* |
| 62.5° | 4410.3 | 2731.9 | 237.4 | 185.6 | 133.7 | 109.2 | 92.8 | 84.6 | 71.0 | 57.3 | 57.3 |
| 65° | 3258.6 | 1970.4 | 191.0 | 161.0 | 122.8 | 95.5 | 84.6 | 73.7 | 57.3 | 46.4 | 43.7 |
| 67.5° | 2205.1 | 1211.7 | 152.8 | 133.7 | 109.2 | 81.9 | 71.0 | 62.8 | 51.9 | 38.2 | 35.5 |
| 70° | 1307.3 | 644.1 | 111.9 | 92.8 | 81.9 | 60.0 | 60.0 | 54.6 | 43.7 | 32.7 | 30.0 |
| 72.5° | 622.2 | 223.8 | 81.9 | 68.2 | 62.8 | 43.7 | 46.4 | 46.4 | 35.5 | 24.6 | 21.8 |
| 75° | 316.6 | 109.2 | 54.6 | 49.1 | 40.9 | 32.7 | 38.2 | 35.5 | 24.6 | 16.4 | 16.4 |
| 77.5° | 180.1 | 76.4 | 38.2 | 32.7 | 27.3 | 21.8 | 24.6 | 21.8 | 13.6 | 8.2 | 8.2 |
| 80° | 101.0 | 54.6 | 24.6 | 21.8 | 16.4 | 13.6 | 13.6 | 10.9 | 8.2 | 2.7 | 2.7 |
| 82.5° | 38.2 | 32.7 | 16.4 | 10.9 | 8.2 | 8.2 | 5.5 | 5.5 | 2.7 | 0.0 | 0.0 |
| 85° | 16.4 | 8.2 | 8.2 | 5.5 | 5.5 | 2.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.7 | 2.7 | 2.7 | 2.7 | 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° | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 |
| 2.5° | 1566.5 | 1572.0 | 1577.4 | 1599.3 | 1604.7 | 1621.1 | 1634.7 | 1651.1 | 1653.9 | 1675.7 | 1675.7 |
| 5° | 1350.9 | 1348.2 | 1394.6 | 1462.8 | 1506.5 | 1566.5 | 1612.9 | 1662.0 | 1689.3 | 1724.8 | 1741.2 |
| 7.5° | 895.2 | 963.4 | 1067.1 | 1187.2 | 1342.7 | 1487.4 | 1596.5 | 1692.1 | 1757.6 | 1798.5 | 1814.9 |
| 10° | 444.8 | 483.1 | 592.2 | 788.7 | 1053.4 | 1348.2 | 1580.2 | 1757.6 | 1864.0 | 1910.4 | 1940.4 |
| 12.5° | 313.8 | 322.0 | 341.1 | 447.6 | 701.4 | 1118.9 | 1528.3 | 1828.5 | 1975.9 | 2063.2 | 2101.4 |
| 15° | 281.1 | 286.6 | 294.7 | 324.8 | 433.9 | 835.1 | 1435.5 | 1907.7 | 2150.6 | 2251.5 | 2300.7 |
| 17.5° | 259.3 | 262.0 | 270.2 | 294.7 | 341.1 | 567.7 | 1285.4 | 1992.3 | 2360.7 | 2483.5 | 2576.3 |
| 20° | 240.2 | 240.2 | 248.4 | 278.4 | 316.6 | 436.7 | 1069.8 | 2087.8 | 2628.1 | 2805.5 | 2898.3 |
| 22.5° | 218.3 | 223.8 | 229.2 | 262.0 | 308.4 | 398.5 | 867.9 | 2161.5 | 2925.6 | 3141.2 | 3250.4 |
| 25° | 202.0 | 207.4 | 212.9 | 245.6 | 300.2 | 398.5 | 750.5 | 2207.9 | 3258.6 | 3515.1 | 3665.2 |
| 27.5° | 188.3 | 193.8 | 202.0 | 234.7 | 292.0 | 414.8 | 704.1 | 2221.5 | 3621.5 | 3954.5 | 4156.5 |
| 30° | 177.4 | 182.9 | 191.0 | 226.5 | 297.5 | 433.9 | 720.5 | 2202.4 | 3990.0 | 4407.5 | 4647.7 |
| 32.5° | 166.5 | 171.9 | 180.1 | 218.3 | 297.5 | 458.5 | 775.1 | 2164.2 | 4347.5 | 4860.6 | 5155.3 |
| 35° | 158.3 | 161.0 | 163.7 | 196.5 | 270.2 | 455.8 | 843.3 | 2126.0 | 4707.7 | 5308.1 | 5652.0 |
| 37.5° | 141.9 | 144.6 | 150.1 | 169.2 | 215.6 | 414.8 | 856.9 | 2079.6 | 4991.6 | 5684.8 | 6064.1 |
| 40° | 125.5 | 131.0 | 136.5 | 155.6 | 180.1 | 335.7 | 796.9 | 1981.3 | 5141.7 | 5974.1 | 6435.3 |
| 42.5° | 114.6 | 117.4 | 122.8 | 141.9 | 166.5 | 267.5 | 668.6 | 1809.4 | 5275.4 | 6170.6 | 6705.5 |
| 45° | 106.4 | 109.2 | 114.6 | 128.3 | 155.6 | 232.0 | 526.7 | 1599.3 | 5286.3 | 6233.3 | 6836.5 |
| 47.5° | 98.2 | 101.0 | 103.7 | 117.4 | 150.1 | 207.4 | 403.9 | 1408.2 | 5283.6 | 6315.2 | 6948.4 |
| 50° | 92.8 | 95.5 | 101.0 | 111.9 | 141.9 | 185.6 | 333.0 | 1252.7 | 5398.2 | 6492.6 | 7174.9 |
| 52.5° | 90.1 | 90.1 | 98.2 | 109.2 | 133.7 | 169.2 | 278.4 | 1113.5 | 5458.3 | 6667.3 | 7338.6 |
| 55° | 84.6 | 87.3 | 92.8 | 103.7 | 125.5 | 161.0 | 237.4 | 938.8 | 5485.5 | 6754.6 | 7368.6 |
| 57.5° | 79.1 | 81.9 | 90.1 | 98.2 | 120.1 | 152.8 | 204.7 | 701.4 | 5095.3 | 6298.8 | 6866.5 |
| 60° | *71.0* | *76.4* | *87.3* | *95.5* | *111.9* | *139.2* | *180.1* | *474.9* | *4298.4* | *5474.6* | *5949.5* |
| 62.5° | 57.3 | 68.2 | 79.1 | 84.6 | 101.0 | 117.4 | 152.8 | 316.6 | 3433.2 | 4530.3 | 5070.7 |
| 65° | 43.7 | 57.3 | 65.5 | 73.7 | 84.6 | 98.2 | 128.3 | 215.6 | 2289.7 | 3048.4 | 3657.0 |
| 67.5° | 38.2 | 49.1 | 54.6 | 60.0 | 71.0 | 84.6 | 103.7 | 150.1 | 1389.1 | 1831.2 | 2431.7 |
| 70° | 30.0 | 40.9 | 46.4 | 43.7 | 54.6 | 65.5 | 73.7 | 101.0 | 709.6 | 993.4 | 1383.7 |
| 72.5° | 21.8 | 32.7 | 35.5 | 35.5 | 32.7 | 46.4 | 54.6 | 71.0 | 308.4 | 483.1 | 627.7 |
| 75° | 16.4 | 21.8 | 24.6 | 21.8 | 19.1 | 30.0 | 38.2 | 46.4 | 202.0 | 289.3 | 365.7 |
| 77.5° | 8.2 | 8.2 | 13.6 | 13.6 | 8.2 | 16.4 | 19.1 | 27.3 | 114.6 | 169.2 | 210.1 |
| 80° | 2.7 | 0.0 | 0.0 | 2.7 | 0.0 | 5.5 | 8.2 | 13.6 | 60.0 | 90.1 | 131.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 30.0 | 27.3 | 68.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 16.4 |
| 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: P1501883
CATALOG NUMBER: GSS-SB2C-827-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1670.2 | *1670.2* | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 | 1670.2 |
| 2.5° | 1689.3 | *1689.3* | 1700.2 | 1716.6 | 1724.8 | 1730.3 | 1733.0 | 1738.5 | 1760.3 | 1754.8 |
| 5° | 1760.3 | *1765.7* | 1773.9 | 1790.3 | 1809.4 | 1804.0 | 1804.0 | 1804.0 | 1817.6 | 1806.7 |
| 7.5° | 1853.1 | *1869.5* | 1872.2 | 1891.3 | 1877.6 | 1850.3 | 1834.0 | 1809.4 | 1806.7 | 1806.7 |
| 10° | 2003.2 | *1997.7* | 1997.7 | 1973.2 | 1924.0 | 1844.9 | 1773.9 | 1724.8 | 1697.5 | 1700.2 |
| 12.5° | 2164.2 | *2142.4* | 2145.1 | 2055.0 | 1915.8 | 1741.2 | 1596.5 | 1490.1 | 1481.9 | 1473.7 |
| 15° | 2363.4 | *2306.1* | 2295.2 | 2087.8 | 1793.0 | 1525.6 | 1383.7 | 1299.1 | 1271.8 | 1263.6 |
| 17.5° | 2647.3 | *2502.6* | 2450.8 | 2030.5 | 1632.0 | 1391.9 | 1285.4 | 1247.2 | 1244.5 | 1241.8 |
| 20° | 2947.5 | *2660.9* | 2562.6 | 1945.9 | 1577.4 | 1394.6 | 1315.4 | 1304.5 | 1299.1 | 1301.8 |
| 22.5° | 3296.8 | *2761.9* | 2636.3 | 1959.5 | 1626.6 | 1484.6 | 1421.9 | 1413.7 | 1408.2 | 1413.7 |
| 25° | 3657.0 | *2879.2* | 2723.7 | 2068.7 | 1773.9 | 1651.1 | 1577.4 | 1561.1 | 1577.4 | 1602.0 |
| 27.5° | 4020.0 | *3037.5* | 2895.6 | 2284.3 | 2011.4 | 1877.6 | 1806.7 | 1866.7 | 1891.3 | 1894.0 |
| 30° | 4342.0 | *3258.6* | 3127.6 | 2587.2 | 2281.5 | 2147.8 | 2161.5 | 2237.9 | 2267.9 | 2297.9 |
| 32.5° | 4636.8 | *3553.3* | 3452.3 | 2931.1 | 2630.9 | 2551.7 | 2543.5 | 2600.9 | 2633.6 | 2614.5 |
| 35° | 4934.3 | *3938.1* | 3839.9 | 3305.0 | 3059.3 | 2993.9 | 2925.6 | 3037.5 | 3026.6 | 2996.6 |
| 37.5° | 5215.4 | *4325.7* | 4235.6 | 3706.2 | 3452.3 | 3337.7 | 3326.8 | 3427.8 | 3517.8 | 3512.4 |
| 40° | 5417.3 | *4639.5* | 4530.3 | 4104.6 | 3864.4 | 3766.2 | 3823.5 | 3998.2 | 3976.3 | 3946.3 |
| 42.5° | 5602.9 | *4907.0* | 4808.7 | 4453.9 | 4202.9 | 4246.5 | 4298.4 | 4415.7 | 4402.1 | 4372.1 |
| 45° | 5690.2 | *5136.2* | 5051.6 | 4718.7 | 4595.8 | 4735.0 | 4732.3 | 4776.0 | 4702.3 | 4691.4 |
| 47.5° | 5813.0 | *5300.0* | 5212.6 | 4956.1 | 5065.3 | 5122.6 | 4961.6 | 4915.2 | 4846.9 | 4792.3 |
| 50° | 6039.6 | *5553.8* | 5466.4 | 5316.3 | 5409.1 | 5231.7 | 5035.2 | 4934.3 | 4795.1 | 4699.6 |
| 52.5° | 6304.3 | *5938.6* | 5862.2 | 5802.1 | 5542.9 | 5177.2 | 4926.1 | 4743.2 | 4574.0 | 4492.1 |
| 55° | 6637.2 | *6506.2* | 6451.7 | 6121.4 | 5422.8 | 4953.4 | 4658.6 | 4317.5 | 4085.5 | 4009.1 |
| 57.5° | 6746.4 | *7338.6* | 7319.5 | 6173.3 | 5087.1 | 4546.7 | 4014.5 | 3553.3 | 3313.2 | 3264.0 |
| 60° | *6424.4* | *7990.9* | *7922.7* | *6086.0* | *4478.5* | *3689.8* | *3067.5* | *2595.4* | *2205.1* | *2147.8* |
| 62.5° | 6012.3 | *7491.4* | 7466.9 | 5646.6 | 3411.4 | 2644.5 | 2292.5 | 1850.3 | 1683.9 | 1640.2 |
| 65° | 5149.9 | *6129.6* | 6140.5 | 4530.3 | 2158.7 | 1899.5 | 1883.1 | 1471.0 | 1266.3 | 1233.6 |
| 67.5° | 3965.4 | *4702.3* | 4625.9 | 2849.2 | 1258.1 | 1520.1 | 1503.7 | 1075.3 | 777.8 | 756.0 |
| 70° | 2317.0 | *3501.5* | 3378.7 | 1481.9 | 832.4 | 1269.0 | 1157.1 | 756.0 | 529.5 | 504.9 |
| 72.5° | 1023.4 | *1926.8* | 2068.7 | 652.3 | 586.8 | 1009.8 | 835.1 | 464.0 | 297.5 | 292.0 |
| 75° | 567.7 | *955.2* | 998.9 | 283.8 | 412.1 | 717.8 | 504.9 | 259.3 | 169.2 | 166.5 |
| 77.5° | 341.1 | *423.0* | 412.1 | 182.9 | 308.4 | 458.5 | 305.7 | 147.4 | 106.4 | 101.0 |
| 80° | 191.0 | *193.8* | 163.7 | 133.7 | 182.9 | 256.5 | 171.9 | 92.8 | 49.1 | 49.1 |
| 82.5° | 117.4 | *106.4* | 84.6 | 40.9 | 49.1 | 155.6 | 62.8 | 51.9 | 16.4 | 16.4 |
| 85° | 49.1 | *32.7* | 21.8 | 8.2 | 19.1 | 40.9 | 21.8 | 24.6 | 8.2 | 8.2 |
| 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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

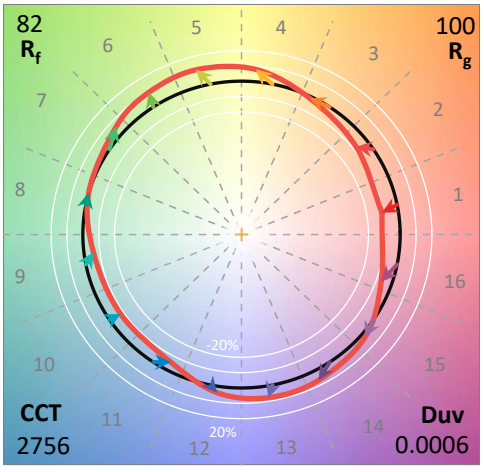
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-8 |
| 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-827-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2756 |
| CIE u': | 0.2599 |
| CIE v': | 0.5271 |
| Duv: | 0.0006 |
| CIE x: | 0.4563 |
| CIE y: | 0.4112 |
| CIE z: | 0.1325 |
| Peak Wavelength (nm): | 609 |
| Dominant Wavelength (nm): | 583 |
| Purity: | 60.41121 |
| Rf: | 82.2 |
| Rg: | 99.9 |

| | |
|---|---|
| CRI (Ra): | 82.9 |
| R1: | 81.6 |
| R2: | 88.8 |
| R3: | 96.0 |
| R4: | 83.4 |
| R5: | 81.4 |
| R6: | 87.0 |
| R7: | 84.0 |
| R8: | 60.8 |
| R9: | 10.8 |
| R10: | 74.8 |
| R11: | 84.3 |
| R12: | 72.1 |
| R13: | 82.9 |
| R14: | 97.3 |
| R15: | 73.7 |




## Test Conditions

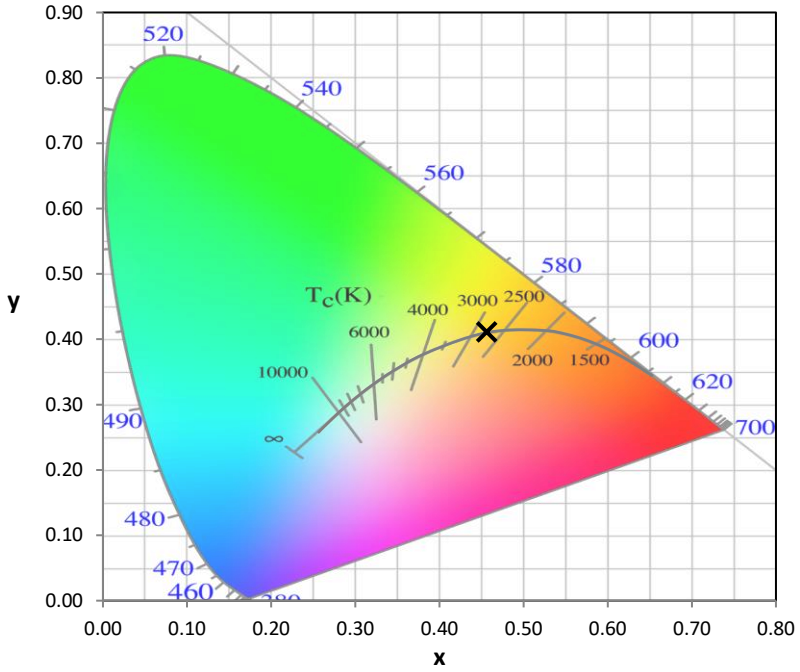
| | |
|---|---|
| Stabilization Time: | 29M |
| Operation Time: | 1H 29M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-8

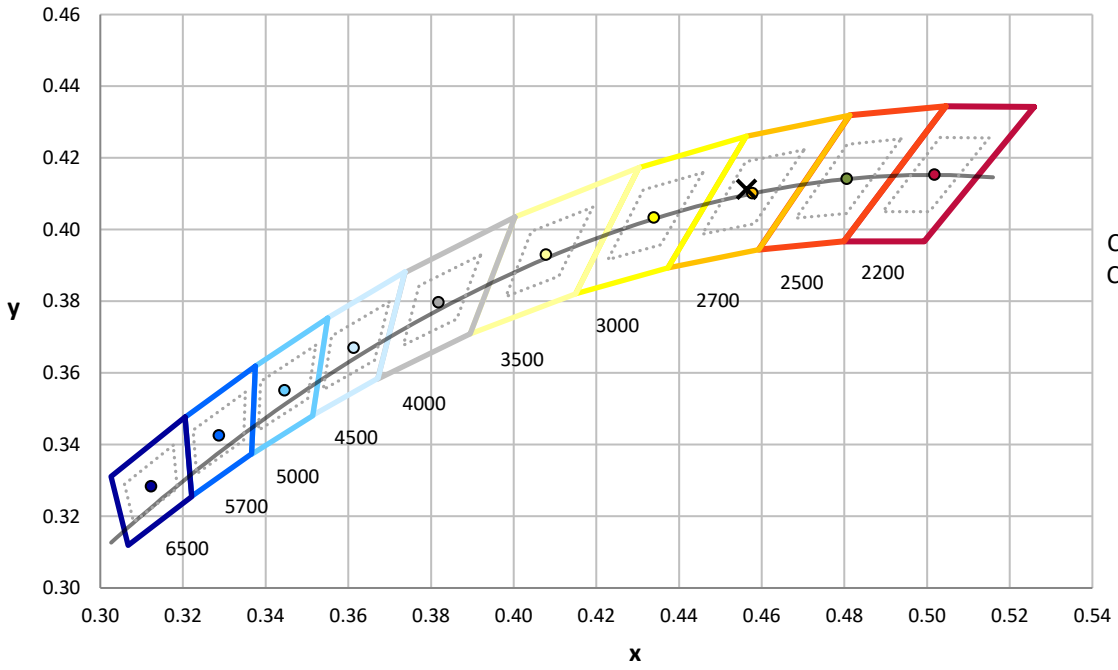
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

## CIE 1931 Chromaticity Diagram




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

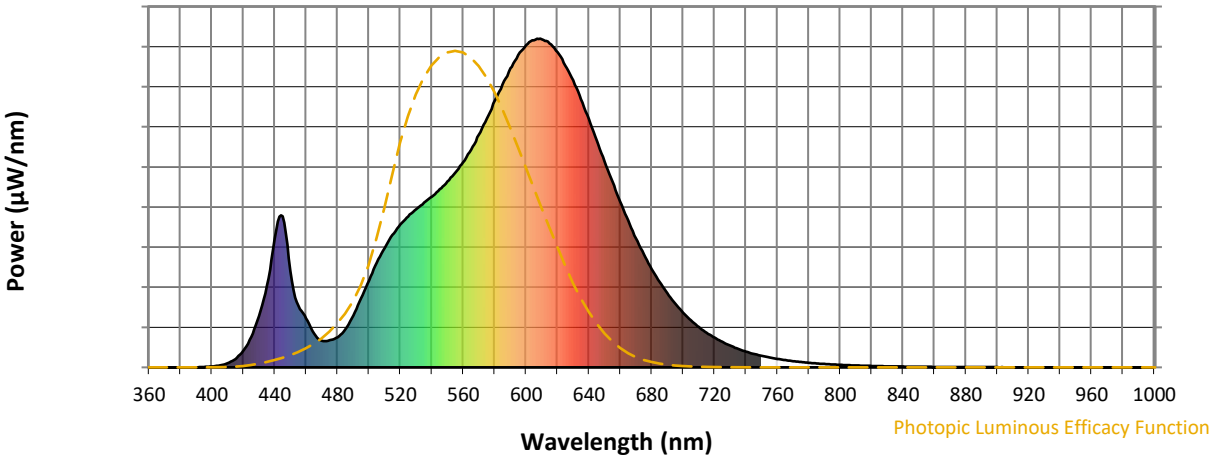



CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

## Photopic Flux vs. Wavelength

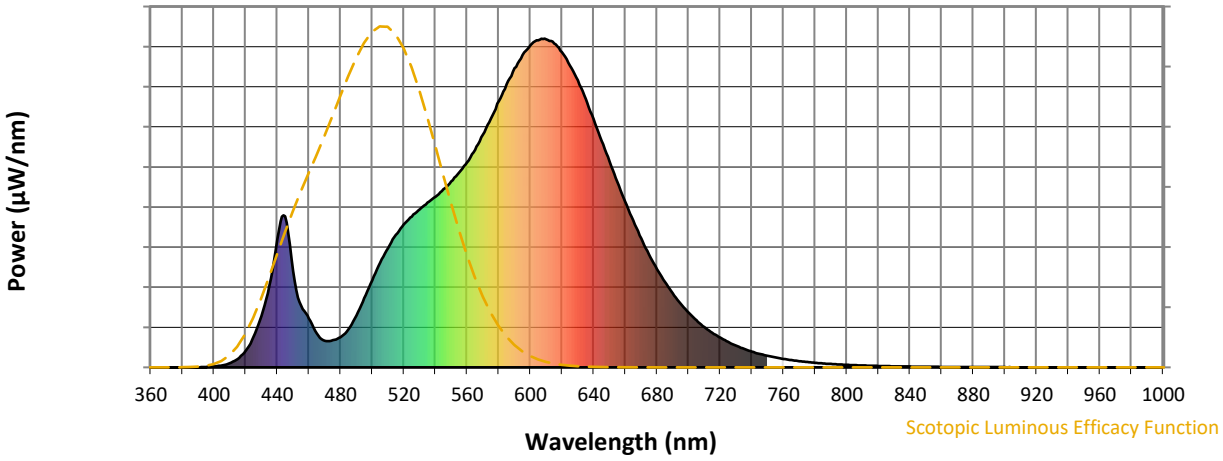



## Photopic Lumens: NR

| 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 | 158 | NR | 620 | 959 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 211 | NR | 625 | 918 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 264 | NR | 630 | 873 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 318 | NR | 635 | 816 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 755 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 403 | NR | 645 | 689 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 435 | NR | 650 | 626 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 459 | NR | 655 | 564 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 481 | NR | 660 | 503 | NR | 790 | 10 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 501 | NR | 665 | 447 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 13 | NR | 540 | 519 | NR | 670 | 392 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 26 | NR | 545 | 542 | NR | 675 | 343 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 51 | NR | 550 | 565 | NR | 680 | 299 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 93 | NR | 555 | 593 | NR | 685 | 260 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 624 | NR | 690 | 225 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 250 | NR | 565 | 662 | NR | 695 | 194 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 391 | NR | 570 | 707 | NR | 700 | 166 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 460 | NR | 575 | 756 | NR | 705 | 143 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 293 | NR | 580 | 810 | NR | 710 | 122 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 188 | NR | 585 | 860 | NR | 715 | 105 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 149 | NR | 590 | 910 | NR | 720 | 90 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 950 | NR | 725 | 77 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 80 | NR | 600 | 980 | NR | 730 | 66 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 82 | NR | 605 | 995 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 92 | NR | 610 | 998 | NR | 740 | 48 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 116 | NR | 615 | 985 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-8

## Scotopic Flux vs. Wavelength

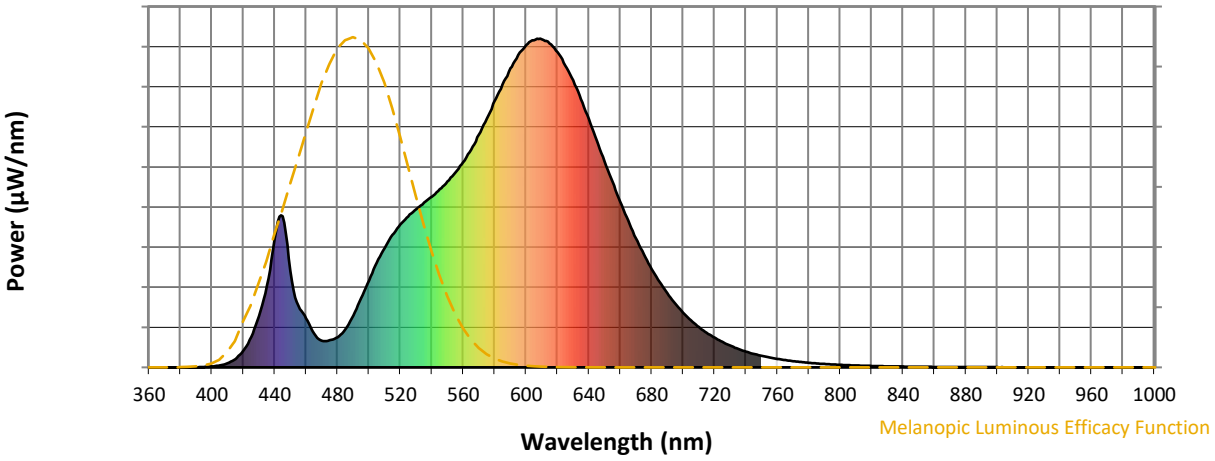



**Scotopic Lumens: NR** **S/P: 1.2**

| 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 | 158 | NR | 620 | 959 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 211 | NR | 625 | 918 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 264 | NR | 630 | 873 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 318 | NR | 635 | 816 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 755 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 403 | NR | 645 | 689 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 435 | NR | 650 | 626 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 459 | NR | 655 | 564 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 481 | NR | 660 | 503 | NR | 790 | 10 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 501 | NR | 665 | 447 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 13 | NR | 540 | 519 | NR | 670 | 392 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 26 | NR | 545 | 542 | NR | 675 | 343 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 51 | NR | 550 | 565 | NR | 680 | 299 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 93 | NR | 555 | 593 | NR | 685 | 260 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 624 | NR | 690 | 225 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 250 | NR | 565 | 662 | NR | 695 | 194 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 391 | NR | 570 | 707 | NR | 700 | 166 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 460 | NR | 575 | 756 | NR | 705 | 143 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 293 | NR | 580 | 810 | NR | 710 | 122 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 188 | NR | 585 | 860 | NR | 715 | 105 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 149 | NR | 590 | 910 | NR | 720 | 90 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 950 | NR | 725 | 77 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 80 | NR | 600 | 980 | NR | 730 | 66 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 82 | NR | 605 | 995 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 92 | NR | 610 | 998 | NR | 740 | 48 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 116 | NR | 615 | 985 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-8

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.16**

| 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 | 158 | NR | 620 | 959 | NR | 750 | 35 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 211 | NR | 625 | 918 | NR | 755 | 30 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 264 | NR | 630 | 873 | NR | 760 | 26 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 318 | NR | 635 | 816 | NR | 765 | 22 | NR | 895 | 1 | NR |
| 380 | 0 | NR | 510 | 363 | NR | 640 | 755 | NR | 770 | 19 | NR | 900 | 1 | NR |
| 385 | 0 | NR | 515 | 403 | NR | 645 | 689 | NR | 775 | 16 | NR | 905 | 1 | NR |
| 390 | 0 | NR | 520 | 435 | NR | 650 | 626 | NR | 780 | 14 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 459 | NR | 655 | 564 | NR | 785 | 12 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 481 | NR | 660 | 503 | NR | 790 | 10 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 501 | NR | 665 | 447 | NR | 795 | 9 | NR | 925 | 0 | NR |
| 410 | 13 | NR | 540 | 519 | NR | 670 | 392 | NR | 800 | 8 | NR | 930 | 0 | NR |
| 415 | 26 | NR | 545 | 542 | NR | 675 | 343 | NR | 805 | 7 | NR | 935 | 0 | NR |
| 420 | 51 | NR | 550 | 565 | NR | 680 | 299 | NR | 810 | 6 | NR | 940 | 0 | NR |
| 425 | 93 | NR | 555 | 593 | NR | 685 | 260 | NR | 815 | 5 | NR | 945 | 0 | NR |
| 430 | 156 | NR | 560 | 624 | NR | 690 | 225 | NR | 820 | 4 | NR | 950 | 0 | NR |
| 435 | 250 | NR | 565 | 662 | NR | 695 | 194 | NR | 825 | 4 | NR | 955 | 0 | NR |
| 440 | 391 | NR | 570 | 707 | NR | 700 | 166 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 460 | NR | 575 | 756 | NR | 705 | 143 | NR | 835 | 3 | NR | 965 | 0 | NR |
| 450 | 293 | NR | 580 | 810 | NR | 710 | 122 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 188 | NR | 585 | 860 | NR | 715 | 105 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 149 | NR | 590 | 910 | NR | 720 | 90 | NR | 850 | 2 | NR | 980 | 0 | NR |
| 465 | 103 | NR | 595 | 950 | NR | 725 | 77 | NR | 855 | 2 | NR | 985 | 0 | NR |
| 470 | 80 | NR | 600 | 980 | NR | 730 | 66 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 82 | NR | 605 | 995 | NR | 735 | 56 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 92 | NR | 610 | 998 | NR | 740 | 48 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 116 | NR | 615 | 985 | NR | 745 | 41 | NR | 875 | 1 | NR | | | |

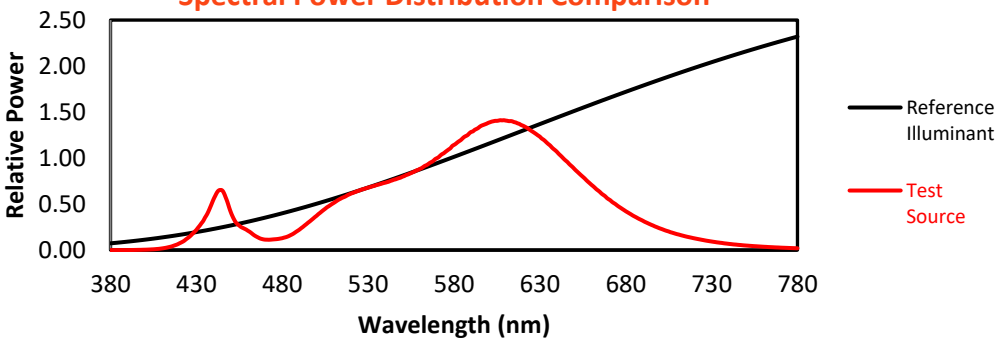
REPORT NUMBER: SP1-2407-184-8

# TM-30-18

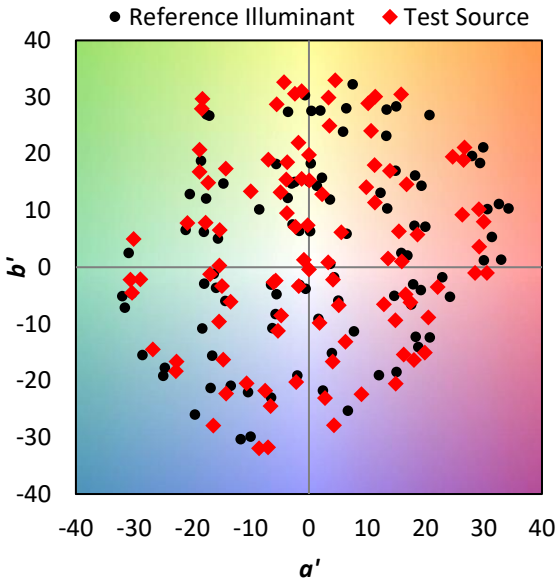
## Summary

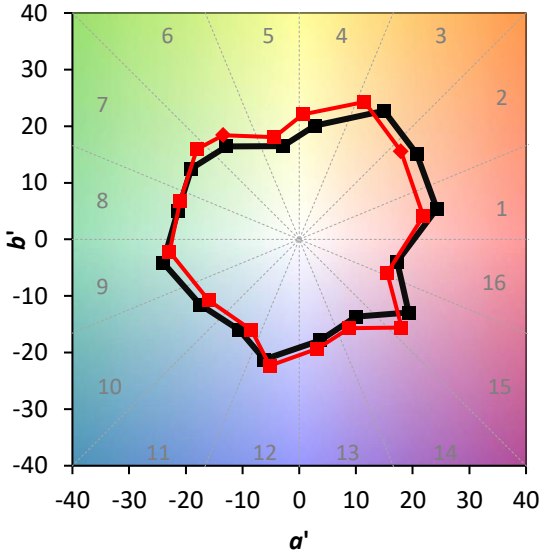
$R_f$ = 82.2
$R_g$ = 99.9
CIE $R_a$ = 82.9
$R_9$ = 10.8

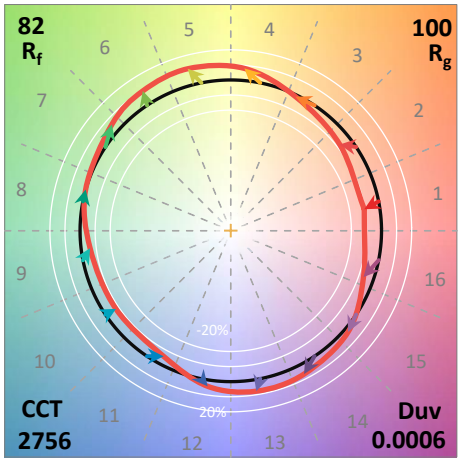
## Spectral Power Distribution Comparison

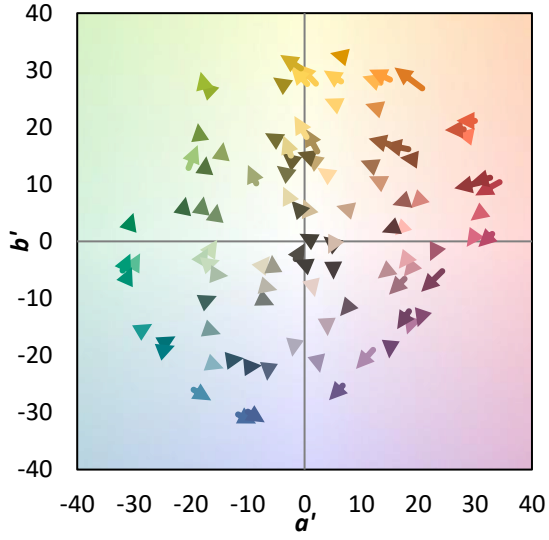



## Color Vector Graphics



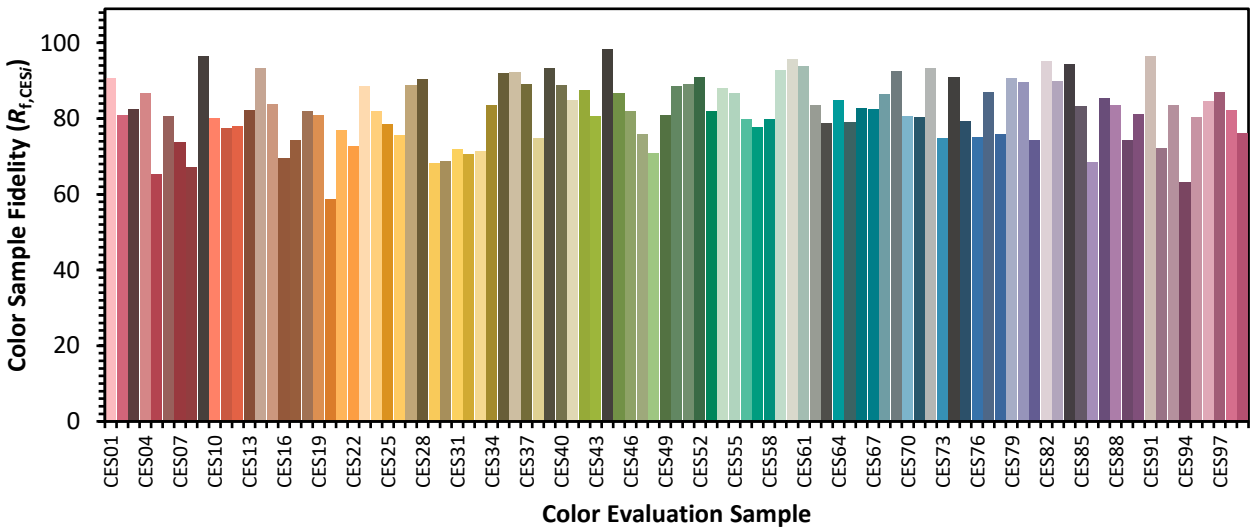



REPORT NUMBER: SP1-2407-184-8

# TM-30-18

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

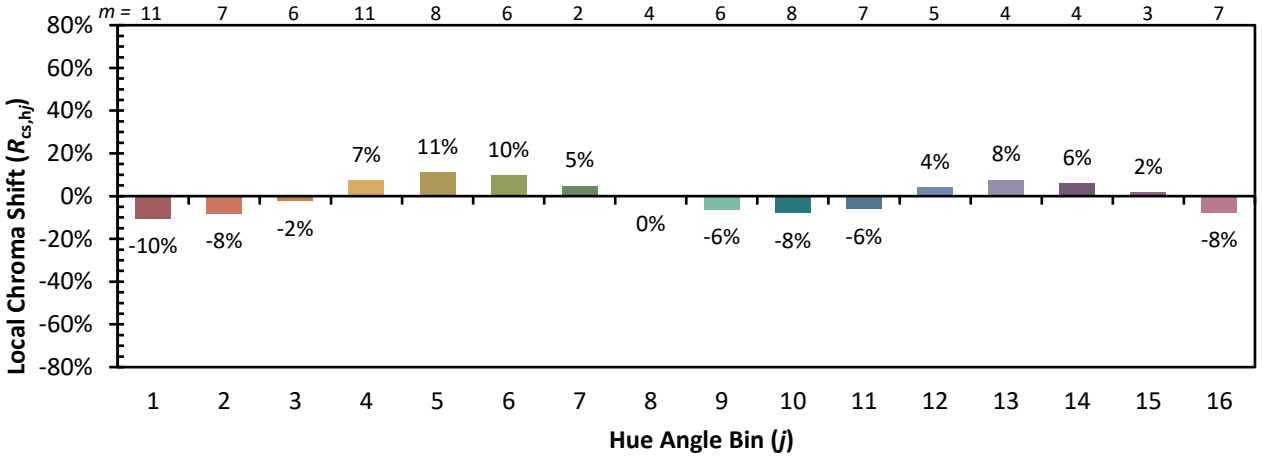
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 76 | CES51 = 89 | CES76 = 75 |
| CES02 = 63 | CES27 = 89 | CES52 = 91 | CES77 = 87 |
| CES03 = 31 | CES28 = 90 | CES53 = 82 | CES78 = 76 |
| CES04 = 71 | CES29 = 68 | CES54 = 88 | CES79 = 91 |
| CES05 = 50 | CES30 = 69 | CES55 = 87 | CES80 = 90 |
| CES06 = 52 | CES31 = 72 | CES56 = 80 | CES81 = 74 |
| CES07 = 43 | CES32 = 71 | CES57 = 78 | CES82 = 95 |
| CES08 = 42 | CES33 = 71 | CES58 = 80 | CES83 = 90 |
| CES09 = 29 | CES34 = 84 | CES59 = 93 | CES84 = 94 |
| CES10 = 77 | CES35 = 92 | CES60 = 96 | CES85 = 83 |
| CES11 = 59 | CES36 = 92 | CES61 = 94 | CES86 = 69 |
| CES12 = 66 | CES37 = 89 | CES62 = 84 | CES87 = 85 |
| CES13 = 44 | CES38 = 75 | CES63 = 79 | CES88 = 84 |
| CES14 = 74 | CES39 = 93 | CES64 = 85 | CES89 = 74 |
| CES15 = 72 | CES40 = 89 | CES65 = 79 | CES90 = 81 |
| CES16 = 48 | CES41 = 85 | CES66 = 83 | CES91 = 96 |
| CES17 = 50 | CES42 = 88 | CES67 = 82 | CES92 = 72 |
| CES18 = 57 | CES43 = 81 | CES68 = 86 | CES93 = 84 |
| CES19 = 73 | CES44 = 98 | CES69 = 92 | CES94 = 63 |
| CES20 = 67 | CES45 = 87 | CES70 = 81 | CES95 = 80 |
| CES21 = 87 | CES46 = 82 | CES71 = 81 | CES96 = 85 |
| CES22 = 79 | CES47 = 76 | CES72 = 93 | CES97 = 87 |
| CES23 = 92 | CES48 = 71 | CES73 = 75 | CES98 = 82 |
| CES24 = 91 | CES49 = 81 | CES74 = 91 | CES99 = 76 |
| CES25 = 72 | CES50 = 88 | CES75 = 79 | |

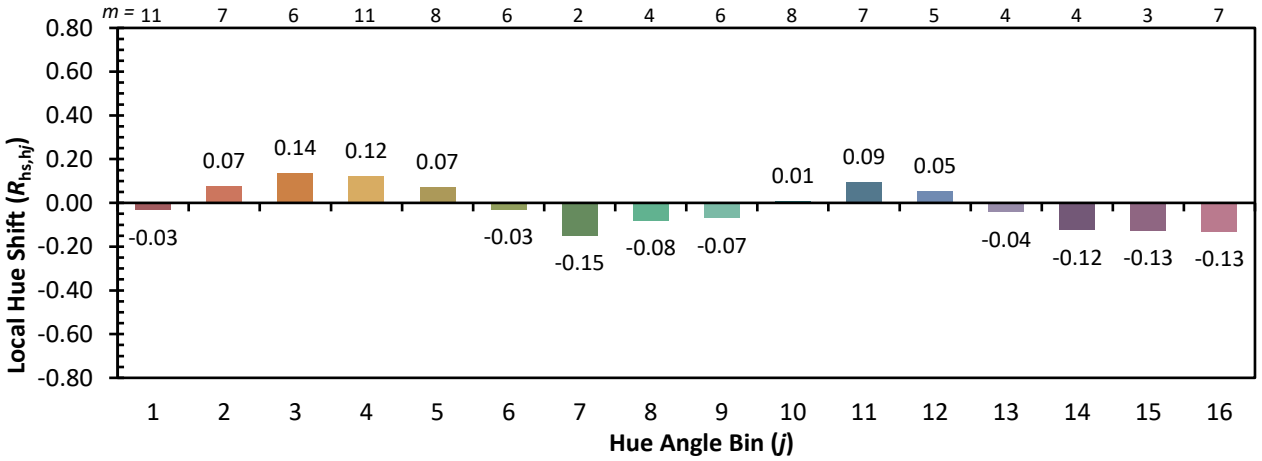


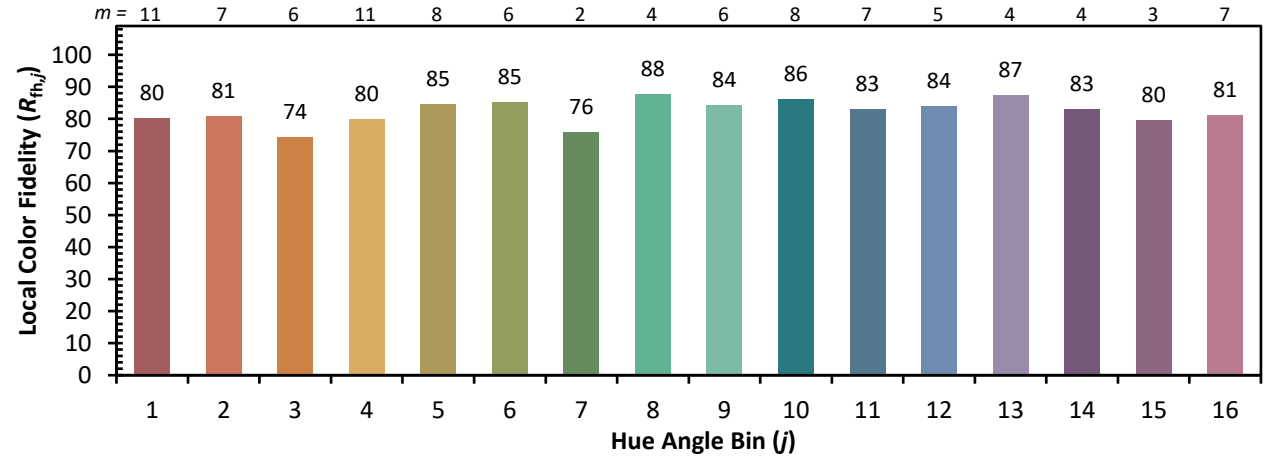
REPORT NUMBER: SP1-2407-184-8

**TM-30-18**

## Color Rendition by Hue-Angle Bin



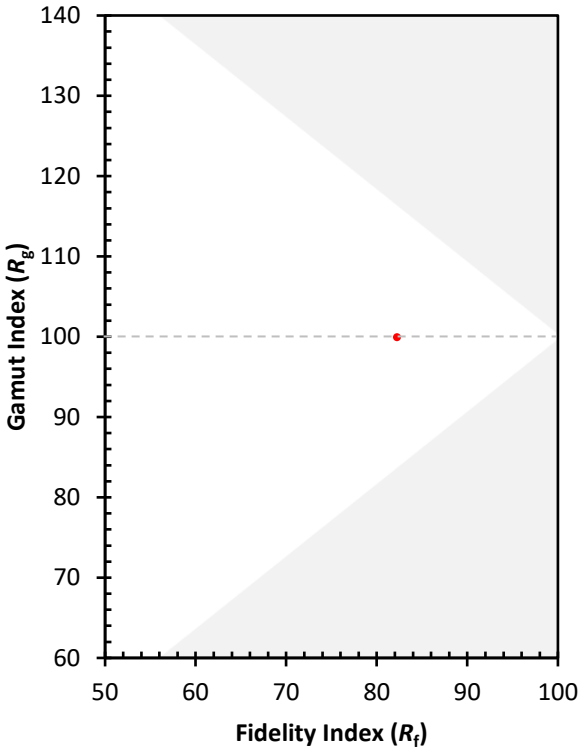



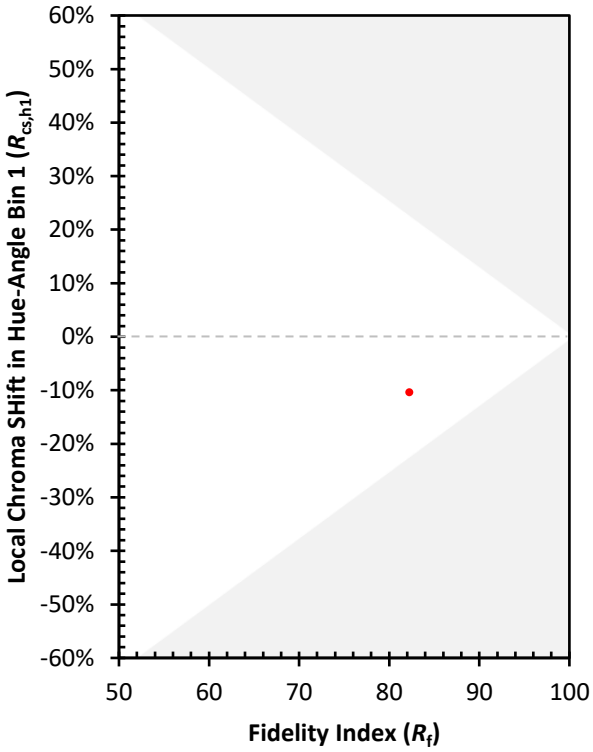



REPORT NUMBER: SP1-2407-184-8

# TM-30-18

## Measure Comparisons




(END OF REPORT)