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: P1365187

Luminaire Tested: **GSS-SB4A-927-U-SLL**

Issue Date: 02/18/2026

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1365187 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB4A-927-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 90CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (104) 2700K CCT, 90 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

Luminaire Equipment:

| Sample No. | Condition | Description |
|---|---|---|
| a | good | reflector |
| b | good | lens |
| c | good | housing |
| d | good | cord |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 10053.6 lumens |
| Efficiency: | N/A |
| Efficacy: | 88.2 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B2 - U0 - G2 |

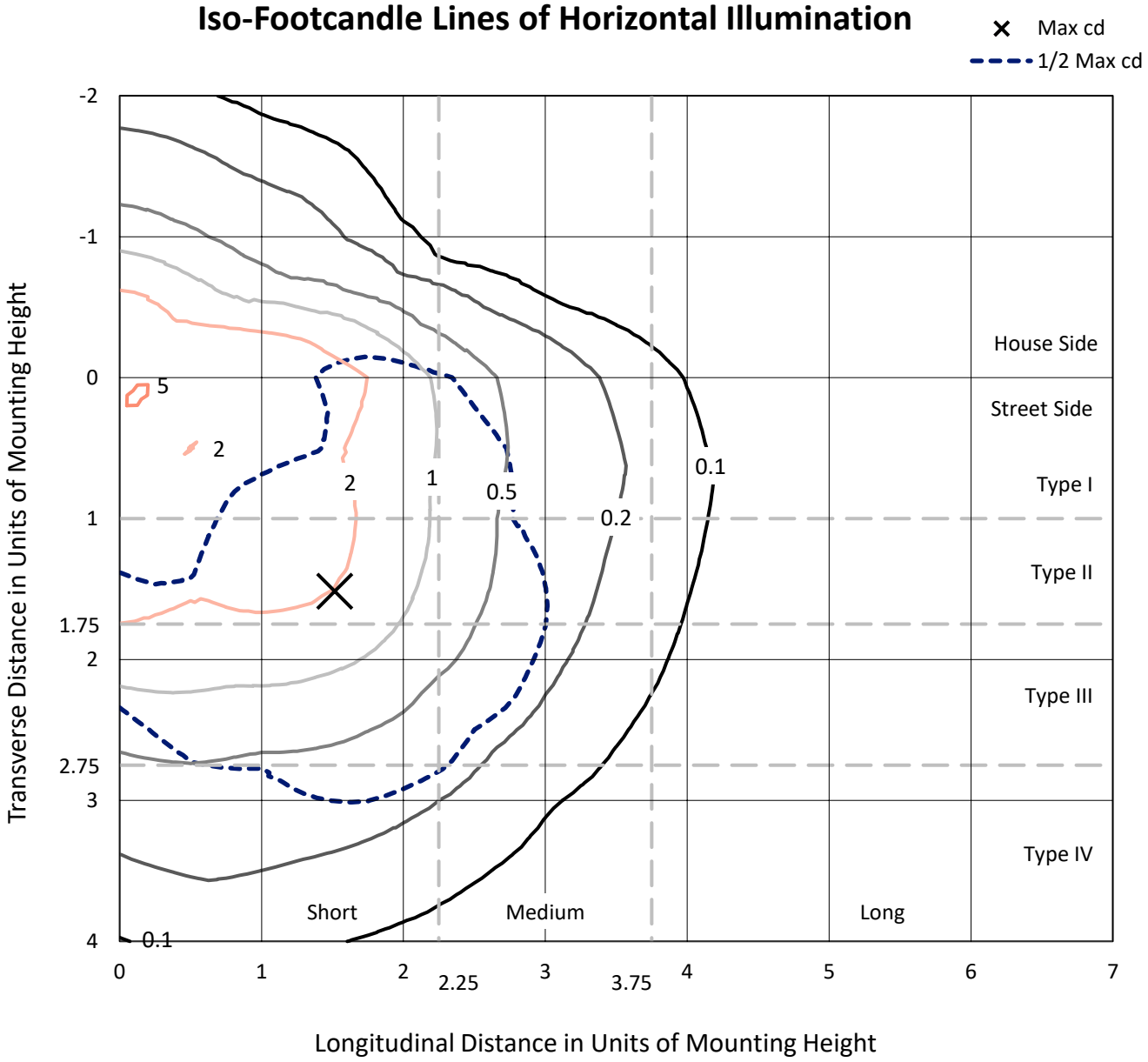
| | |
|---|---|
| Input Watts (W): | 114 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 8.2% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



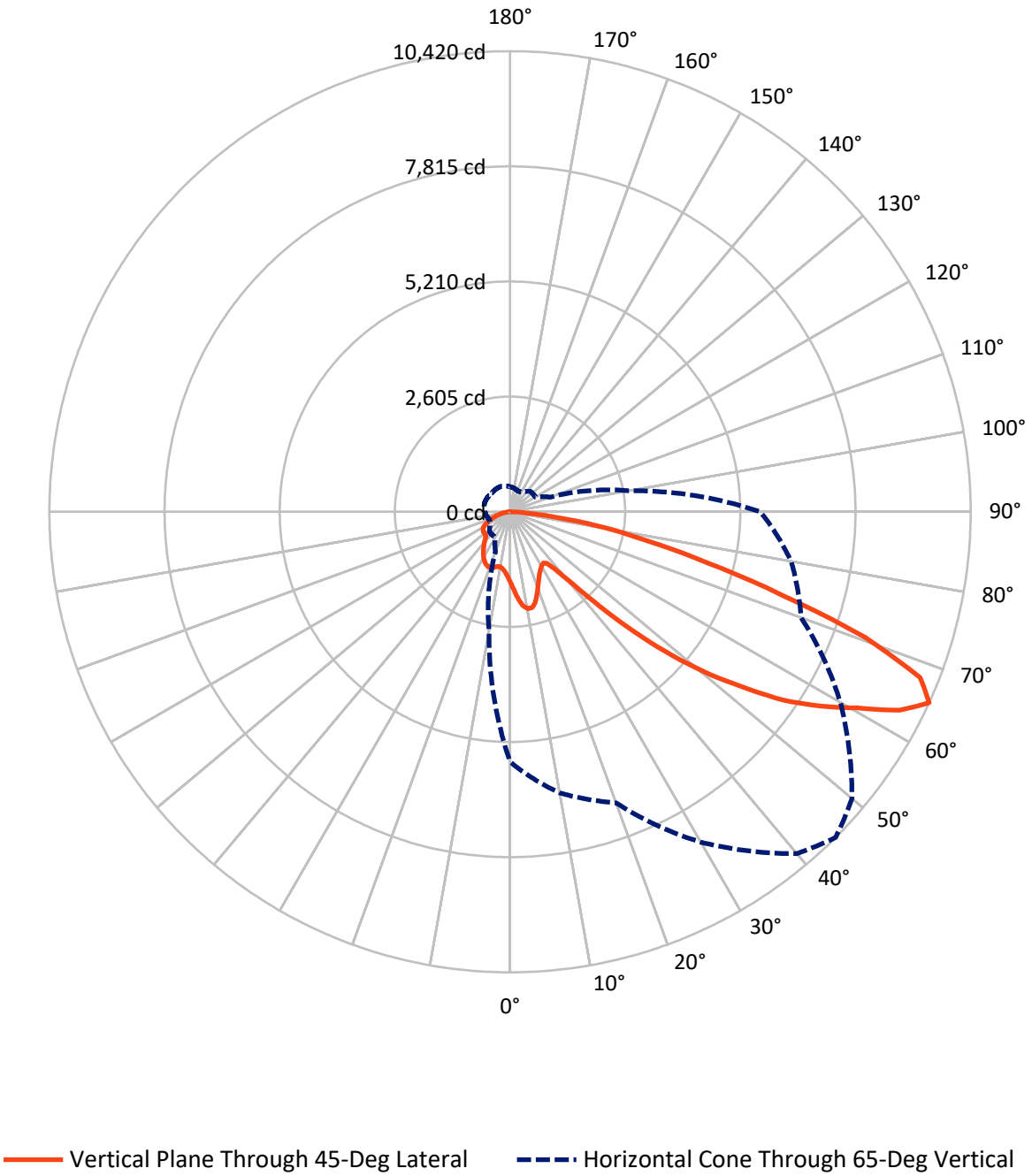

Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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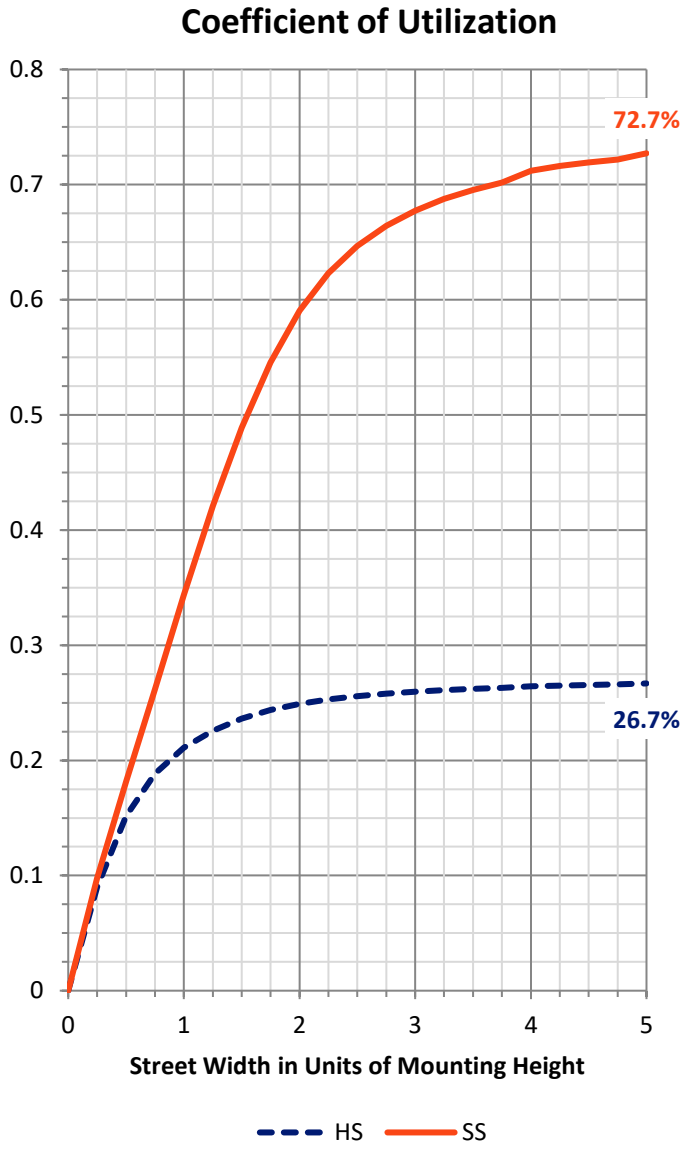
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2704.6 | 0.0 | 2704.6 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 7348.9 | 0.0 | 7348.9 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 10053.6 | 0.0 | 10053.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 158.3 | 1.6 |
| 10°-20° | 485.1 | 4.8 |
| 20°-30° | 750.7 | 7.5 |
| 30°-40° | 931.4 | 9.3 |
| 40°-50° | 1362.0 | 13.5 |
| 50°-60° | 2133.4 | 21.2 |
| 60°-70° | 2531.5 | 25.2 |
| 70°-80° | 1476.5 | 14.7 |
| 80°-90° | 224.6 | 2.2 |
| 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° | 10053.6 | 100.0 |
| 0°-180° | 10053.6 | 100.0 |



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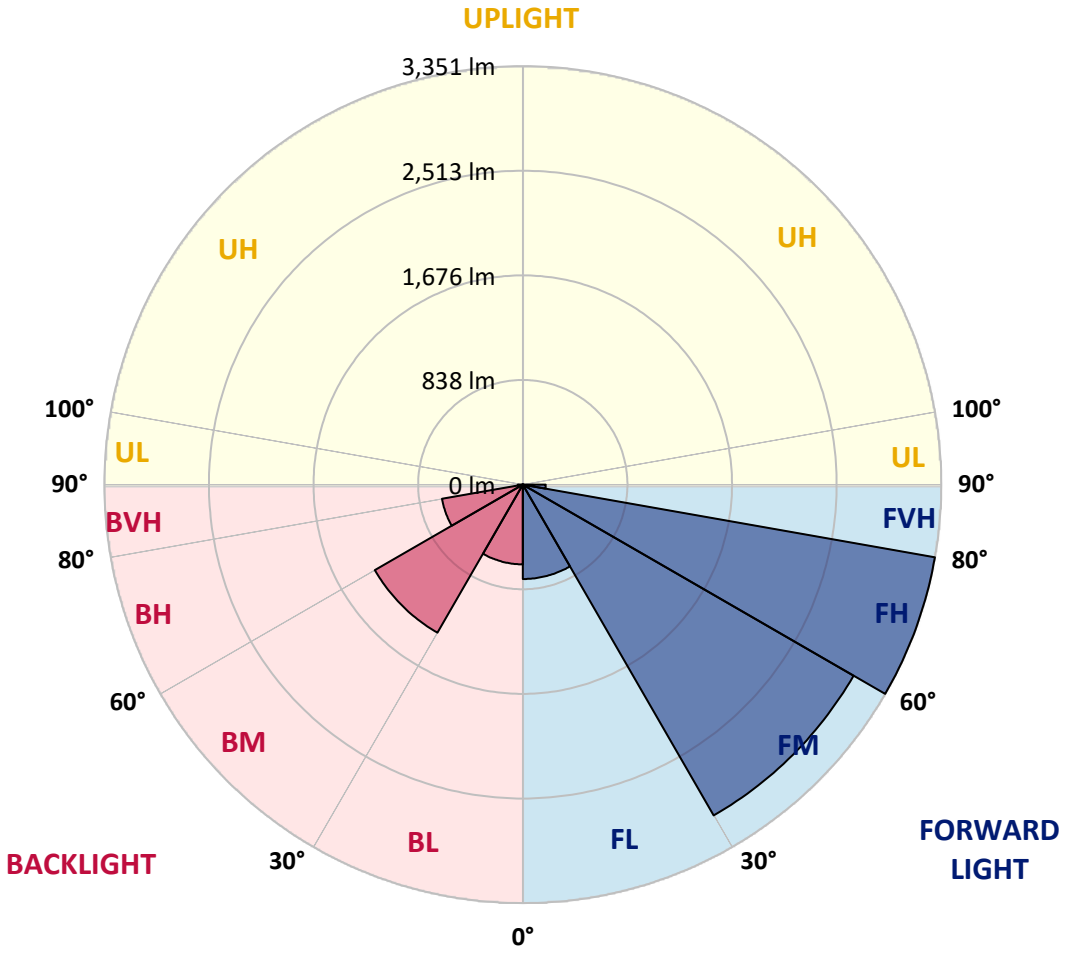
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 755.6 | 7.5 | | | |
| FM | (30°-60°) | 3058.5 | 30.4 | | | |
| FH | (60°-80°) | 3351.1 | 33.3 | | | G2/5000 |
| FVH | (80°-90°) | 183.7 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 638.5 | 6.4 | B2/1000 | | |
| BM | (30°-60°) | 1368.4 | 13.6 | B2/2500 | | |
| BH | (60°-80°) | 656.8 | 6.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 40.9 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | *1603.1* | 1603.1 |
| 2.5° | 1732.1 | 1738.3 | 1744.4 | 1751.1 | 1758.0 | 1761.9 | 1765.8 | 1770.0 | 1773.9 | *1777.6* | 1773.9 |
| 5° | 1850.2 | 1877.9 | 1905.5 | 1924.2 | 1942.8 | 1957.1 | 1971.4 | 1979.5 | 1987.8 | *1989.1* | 1987.8 |
| 7.5° | 1969.4 | 2002.3 | 2035.3 | 2063.8 | 2092.3 | 2110.5 | 2128.7 | 2139.3 | 2150.1 | *2153.8* | 2150.1 |
| 10° | 2044.4 | 2083.0 | 2121.8 | 2149.4 | 2177.2 | 2194.1 | 2210.8 | 2219.2 | 2227.6 | *2230.0* | 2227.6 |
| 12.5° | 2082.5 | 2119.6 | 2156.8 | 2178.1 | 2199.3 | 2210.1 | 2220.7 | 2224.6 | 2228.1 | *2225.1* | 2228.1 |
| 15° | 2100.9 | 2122.8 | 2144.5 | 2153.6 | 2162.4 | 2157.2 | 2151.8 | 2144.2 | 2136.6 | *2131.7* | 2136.6 |
| 17.5° | 2105.9 | 2113.5 | 2121.3 | 2104.9 | 2088.6 | 2059.1 | 2029.6 | 2007.5 | 1985.4 | *1969.4* | 1985.4 |
| 20° | 2121.8 | 2109.5 | 2097.3 | 2053.5 | 2010.0 | 1954.6 | 1899.3 | 1862.2 | 1824.8 | *1802.2* | 1824.8 |
| 22.5° | 2139.0 | 2104.4 | 2069.7 | 1996.2 | 1922.7 | 1847.0 | 1771.5 | 1728.7 | 1686.2 | *1662.1* | 1686.2 |
| 25° | 2166.1 | 2106.6 | 2046.8 | 1947.5 | 1848.4 | 1759.4 | 1670.7 | 1624.2 | 1578.0 | *1551.4* | 1578.0 |
| 27.5° | 2205.4 | 2114.5 | 2023.5 | 1900.6 | 1777.6 | 1681.2 | 1584.6 | 1540.4 | 1496.1 | *1472.7* | 1496.1 |
| 30° | 2260.8 | 2140.0 | 2019.1 | 1872.0 | 1724.8 | 1624.0 | 1523.1 | 1479.9 | 1436.4 | *1411.3* | 1436.4 |
| 32.5° | 2328.4 | 2175.9 | 2023.5 | 1858.8 | 1694.0 | 1591.3 | 1488.7 | 1447.2 | 1405.9 | *1384.2* | 1405.9 |
| 35° | 2442.7 | 2249.7 | 2056.7 | 1874.0 | 1691.6 | 1596.2 | 1501.0 | 1470.5 | 1440.3 | *1428.5* | 1440.3 |
| 37.5° | 2587.8 | 2362.3 | 2136.6 | 1948.5 | 1760.4 | 1695.5 | 1630.6 | 1630.6 | 1630.6 | *1639.9* | 1630.6 |
| 40° | 2801.7 | 2548.4 | 2295.2 | 2117.2 | 1939.4 | 1935.5 | 1932.0 | 1973.3 | 2014.9 | *2033.3* | 2014.9 |
| 42.5° | 3101.6 | 2833.9 | 2566.4 | 2422.8 | 2279.2 | 2365.2 | 2451.3 | 2570.8 | 2690.3 | *2768.5* | 2690.3 |
| 45° | 3474.1 | 3213.5 | 2952.9 | 2852.6 | 2752.5 | 2944.0 | 3135.3 | 3346.5 | 3557.7 | *3707.7* | 3557.7 |
| 47.5° | 3830.6 | 3611.3 | 3391.7 | 3334.5 | 3277.4 | 3595.8 | 3914.2 | 4223.8 | 4533.3 | *4715.7* | 4533.3 |
| 50° | 4243.7 | 4046.5 | 3849.1 | 3838.0 | 3826.9 | 4251.0 | 4675.2 | 5074.7 | 5474.2 | *5696.8* | 5474.2 |
| 52.5° | 4773.5 | 4556.9 | 4340.1 | 4348.9 | 4357.3 | 4861.0 | 5364.8 | 5848.0 | 6331.1 | *6581.9* | 6331.1 |
| 55° | 5406.6 | 5134.9 | 4863.3 | 4861.8 | 4860.3 | 5439.1 | 6018.3 | 6611.9 | 7205.9 | *7540.8* | 7205.9 |
| 57.5° | 6052.0 | 5797.6 | 5543.1 | 5482.6 | 5421.9 | 6027.2 | 6632.3 | 7287.8 | 7943.5 | *8295.6* | 7943.5 |
| 60° | 6536.4 | 6396.2 | 6256.1 | 6159.2 | 6062.6 | 6684.2 | 7306.0 | 7983.1 | 8659.9 | *9011.0* | 8659.9 |
| 62.5° | 6336.0 | 6586.5 | 6837.1 | 6830.0 | 6822.8 | 7493.8 | 8164.8 | 8868.9 | 9573.6 | *9888.8* | 9573.6 |
| 65° | *5659.9* | *6059.4* | *6458.9* | *6733.8* | *7008.5* | *7819.6* | *8630.4* | *9364.1* | *10097.8* | *10419.9* | *10097.8* |
| 67.5° | 5025.5 | 5377.6 | 5729.9 | 5954.9 | 6179.9 | 7093.8 | 8007.9 | 8840.4 | 9672.9 | *10004.4* | 9672.9 |
| 70° | 4418.2 | 4808.2 | 5198.1 | 5358.9 | 5519.7 | 6296.2 | 7072.4 | 7731.1 | 8389.5 | *8519.3* | 8389.5 |
| 72.5° | 3792.5 | 4256.2 | 4720.2 | 4788.3 | 4856.4 | 5421.4 | 5986.4 | 6337.2 | 6688.1 | *6404.8* | 6688.1 |
| 75° | 3105.3 | 3628.5 | 4151.5 | 4197.0 | 4242.4 | 4418.5 | 4594.8 | 4684.0 | 4773.5 | *4612.5* | 4773.5 |
| 77.5° | 2065.3 | 2518.2 | 2971.3 | 3073.3 | 3175.4 | 3292.7 | 3410.2 | 3404.0 | 3397.9 | *3171.7* | 3397.9 |
| 80° | 1212.1 | 1566.4 | 1920.7 | 1934.0 | 1947.3 | 2035.3 | 2123.1 | 2212.8 | 2302.5 | *2158.7* | 2302.5 |
| 82.5° | 606.1 | 800.5 | 995.3 | 1025.3 | 1055.3 | 1109.1 | 1163.0 | 1188.0 | 1213.4 | *1091.7* | 1213.4 |
| 85° | 137.7 | 188.3 | 239.0 | 287.9 | 336.8 | 393.4 | 449.9 | 443.5 | 437.2 | *368.8* | 437.2 |
| 87.5° | 11.1 | 11.3 | 11.8 | 12.0 | 12.3 | 12.5 | 12.8 | 13.5 | 14.3 | *14.8* | 14.3 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 |
| 2.5° | 1770.0 | 1765.8 | 1761.9 | 1758.0 | 1751.1 | 1744.4 | 1738.3 | 1732.1 | 1716.4 | 1700.9 | 1686.7 |
| 5° | 1979.5 | 1971.4 | 1957.1 | 1942.8 | 1924.2 | 1905.5 | 1877.9 | 1850.2 | 1822.4 | 1794.8 | 1765.8 |
| 7.5° | 2139.3 | 2128.7 | 2110.5 | 2092.3 | 2063.8 | 2035.3 | 2002.3 | 1969.4 | 1922.7 | 1876.0 | 1832.0 |
| 10° | 2219.2 | 2210.8 | 2194.1 | 2177.2 | 2149.4 | 2121.8 | 2083.0 | 2044.4 | 1988.6 | 1932.5 | 1877.9 |
| 12.5° | 2224.6 | 2220.7 | 2210.1 | 2199.3 | 2178.1 | 2156.8 | 2119.6 | 2082.5 | 2026.9 | 1971.4 | 1910.1 |
| 15° | 2144.2 | 2151.8 | 2157.2 | 2162.4 | 2153.6 | 2144.5 | 2122.8 | 2100.9 | 2044.6 | 1988.6 | 1926.4 |
| 17.5° | 2007.5 | 2029.6 | 2059.1 | 2088.6 | 2104.9 | 2121.3 | 2113.5 | 2105.9 | 2053.2 | 2000.9 | 1934.5 |
| 20° | 1862.2 | 1899.3 | 1954.6 | 2010.0 | 2053.5 | 2097.3 | 2109.5 | 2121.8 | 2068.7 | 2015.6 | 1944.3 |
| 22.5° | 1728.7 | 1771.5 | 1847.0 | 1922.7 | 1996.2 | 2069.7 | 2104.4 | 2139.0 | 2090.4 | 2041.9 | 1963.5 |
| 25° | 1624.2 | 1670.7 | 1759.4 | 1848.4 | 1947.5 | 2046.8 | 2106.6 | 2166.1 | 2124.0 | 2082.0 | 1996.4 |
| 27.5° | 1540.4 | 1584.6 | 1681.2 | 1777.6 | 1900.6 | 2023.5 | 2114.5 | 2205.4 | 2173.2 | 2141.0 | 2044.6 |
| 30° | 1479.9 | 1523.1 | 1624.0 | 1724.8 | 1872.0 | 2019.1 | 2140.0 | 2260.8 | 2235.4 | 2210.3 | 2101.7 |
| 32.5° | 1447.2 | 1488.7 | 1591.3 | 1694.0 | 1858.8 | 2023.5 | 2175.9 | 2328.4 | 2312.6 | 2296.9 | 2168.8 |
| 35° | 1470.5 | 1501.0 | 1596.2 | 1691.6 | 1874.0 | 2056.7 | 2249.7 | 2442.7 | 2423.0 | 2403.4 | 2240.1 |
| 37.5° | 1630.6 | 1630.6 | 1695.5 | 1760.4 | 1948.5 | 2136.6 | 2362.3 | 2587.8 | 2564.4 | 2541.0 | 2327.1 |
| 40° | 1973.3 | 1932.0 | 1935.5 | 1939.4 | 2117.2 | 2295.2 | 2548.4 | 2801.7 | 2755.7 | 2709.5 | 2426.7 |
| 42.5° | 2570.8 | 2451.3 | 2365.2 | 2279.2 | 2422.8 | 2566.4 | 2833.9 | 3101.6 | 3004.3 | 2906.6 | 2536.9 |
| 45° | 3346.5 | 3135.3 | 2944.0 | 2752.5 | 2852.6 | 2952.9 | 3213.5 | 3474.1 | 3318.0 | 3161.9 | 2686.3 |
| 47.5° | 4223.8 | 3914.2 | 3595.8 | 3277.4 | 3334.5 | 3391.7 | 3611.3 | 3830.6 | 3632.9 | 3435.3 | 2840.0 |
| 50° | 5074.7 | 4675.2 | 4251.0 | 3826.9 | 3838.0 | 3849.1 | 4046.5 | 4243.7 | 3975.7 | 3707.7 | 2974.0 |
| 52.5° | 5848.0 | 5364.8 | 4861.0 | 4357.3 | 4348.9 | 4340.1 | 4556.9 | 4773.5 | 4347.9 | 3922.1 | 3037.4 |
| 55° | 6611.9 | 6018.3 | 5439.1 | 4860.3 | 4861.8 | 4863.3 | 5134.9 | 5406.6 | 4721.9 | 4037.1 | 3020.7 |
| 57.5° | 7287.8 | 6632.3 | 6027.2 | 5421.9 | 5482.6 | 5543.1 | 5797.6 | 6052.0 | 5035.9 | 4019.9 | 2929.5 |
| 60° | 7983.1 | 7306.0 | 6684.2 | 6062.6 | 6159.2 | 6256.1 | 6396.2 | 6536.4 | 5176.5 | 3816.4 | 2710.9 |
| 62.5° | 8868.9 | 8164.8 | 7493.8 | 6822.8 | 6830.0 | 6837.1 | 6586.5 | 6336.0 | 4864.5 | 3393.0 | 2352.7 |
| 65° | *9364.1* | *8630.4* | *7819.6* | *7008.5* | *6733.8* | *6458.9* | *6059.4* | *5659.9* | *4195.7* | *2731.6* | *1845.5* |
| 67.5° | 8840.4 | 8007.9 | 7093.8 | 6179.9 | 5954.9 | 5729.9 | 5377.6 | 5025.5 | 3603.4 | 2181.3 | 1436.1 |
| 70° | 7731.1 | 7072.4 | 6296.2 | 5519.7 | 5358.9 | 5198.1 | 4808.2 | 4418.2 | 3061.3 | 1704.4 | 1100.5 |
| 72.5° | 6337.2 | 5986.4 | 5421.4 | 4856.4 | 4788.3 | 4720.2 | 4256.2 | 3792.5 | 2542.0 | 1291.3 | 827.3 |
| 75° | 4684.0 | 4594.8 | 4418.5 | 4242.4 | 4197.0 | 4151.5 | 3628.5 | 3105.3 | 2029.6 | 954.0 | 613.2 |
| 77.5° | 3404.0 | 3410.2 | 3292.7 | 3175.4 | 3073.3 | 2971.3 | 2518.2 | 2065.3 | 1331.6 | 597.9 | 396.3 |
| 80° | 2212.8 | 2123.1 | 2035.3 | 1947.3 | 1934.0 | 1920.7 | 1566.4 | 1212.1 | 763.4 | 314.7 | 219.1 |
| 82.5° | 1188.0 | 1163.0 | 1109.1 | 1055.3 | 1025.3 | 995.3 | 800.5 | 606.1 | 382.6 | 159.3 | 117.8 |
| 85° | 443.5 | 449.9 | 393.4 | 336.8 | 287.9 | 239.0 | 188.3 | 137.7 | 91.0 | 44.3 | 37.4 |
| 87.5° | 13.5 | 12.8 | 12.5 | 12.3 | 12.0 | 11.8 | 11.3 | 11.1 | 10.8 | 10.3 | 10.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CATALOG NUMBER: GSS-SB4A-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 |
| 2.5° | 1672.4 | 1658.1 | 1643.6 | 1629.9 | 1615.8 | 1601.8 | 1589.5 | 1576.3 | 1563.2 | 1552.9 | 1542.8 |
| 5° | 1737.1 | 1708.8 | 1680.5 | 1653.7 | 1627.2 | 1599.4 | 1575.5 | 1551.9 | 1528.8 | 1509.6 | 1490.4 |
| 7.5° | 1787.9 | 1748.6 | 1709.3 | 1674.1 | 1638.7 | 1601.8 | 1573.1 | 1544.3 | 1515.8 | 1490.9 | 1465.9 |
| 10° | 1823.1 | 1774.7 | 1726.0 | 1685.4 | 1644.9 | 1605.5 | 1574.8 | 1544.5 | 1514.5 | 1489.0 | 1463.4 |
| 12.5° | 1848.9 | 1794.6 | 1740.3 | 1695.5 | 1651.0 | 1608.0 | 1578.0 | 1552.9 | 1528.1 | 1510.1 | 1492.4 |
| 15° | 1864.2 | 1805.7 | 1746.9 | 1696.5 | 1646.1 | 1598.1 | 1571.6 | 1555.4 | 1539.1 | 1537.7 | 1536.2 |
| 17.5° | 1868.1 | 1801.2 | 1734.6 | 1675.8 | 1617.3 | 1561.3 | 1538.6 | 1536.4 | 1534.2 | 1558.6 | 1582.9 |
| 20° | 1873.0 | 1794.6 | 1716.2 | 1639.0 | 1561.8 | 1487.5 | 1473.2 | 1487.3 | 1501.0 | 1548.7 | 1596.2 |
| 22.5° | 1885.3 | 1789.4 | 1693.5 | 1596.7 | 1499.8 | 1411.3 | 1397.8 | 1418.4 | 1438.8 | 1501.0 | 1563.2 |
| 25° | 1910.9 | 1788.9 | 1667.0 | 1546.3 | 1425.5 | 1324.0 | 1322.8 | 1345.1 | 1367.5 | 1425.0 | 1482.6 |
| 27.5° | 1948.5 | 1793.6 | 1638.7 | 1494.6 | 1350.3 | 1246.5 | 1252.7 | 1274.1 | 1295.7 | 1338.5 | 1381.3 |
| 30° | 1992.8 | 1803.7 | 1614.9 | 1449.6 | 1284.7 | 1183.9 | 1190.5 | 1207.2 | 1223.9 | 1254.9 | 1285.9 |
| 32.5° | 2040.7 | 1815.0 | 1589.5 | 1410.3 | 1231.3 | 1138.4 | 1138.4 | 1145.5 | 1152.6 | 1172.8 | 1192.9 |
| 35° | 2077.1 | 1812.3 | 1547.7 | 1365.5 | 1183.1 | 1111.3 | 1096.1 | 1090.2 | 1084.3 | 1097.6 | 1110.8 |
| 37.5° | 2113.2 | 1804.7 | 1496.1 | 1315.9 | 1135.9 | 1079.4 | 1050.3 | 1034.6 | 1018.4 | 1024.8 | 1030.7 |
| 40° | 2144.0 | 1787.5 | 1430.9 | 1256.6 | 1082.3 | 1037.6 | 1001.2 | 977.6 | 954.0 | 953.5 | 952.7 |
| 42.5° | 2166.6 | 1757.7 | 1348.6 | 1186.1 | 1023.3 | 992.1 | 947.1 | 917.1 | 887.1 | 883.9 | 880.7 |
| 45° | 2210.8 | 1737.3 | 1263.8 | 1114.3 | 965.0 | 936.8 | 892.0 | 861.0 | 830.5 | 825.6 | 820.7 |
| 47.5° | 2244.8 | 1713.5 | 1182.1 | 1043.0 | 904.3 | 871.6 | 829.8 | 803.5 | 776.9 | 774.0 | 770.8 |
| 50° | 2240.3 | 1672.9 | 1105.2 | 979.5 | 853.7 | 808.9 | 767.6 | 746.0 | 724.1 | 727.8 | 731.5 |
| 52.5° | 2152.6 | 1589.8 | 1027.2 | 922.5 | 818.2 | 761.0 | 716.7 | 700.5 | 684.0 | 695.6 | 706.9 |
| 55° | 2004.3 | 1479.6 | 954.5 | 874.8 | 794.6 | 737.6 | 685.5 | 667.3 | 649.1 | 665.3 | 681.5 |
| 57.5° | 1839.1 | 1364.3 | 889.5 | 834.5 | 779.4 | 731.5 | 667.5 | 642.0 | 616.6 | 632.9 | 649.1 |
| 60° | 1605.5 | 1218.5 | 831.5 | 792.9 | 754.3 | 716.7 | 652.8 | 620.8 | 588.9 | 599.7 | 610.2 |
| 62.5° | 1312.4 | 1033.6 | 754.8 | 733.2 | 711.8 | 695.8 | 634.8 | 593.0 | 551.2 | 552.7 | 553.7 |
| 65° | *959.4* | *812.3* | *665.1* | *660.4* | *656.0* | *651.5* | *601.1* | *556.2* | *511.4* | *506.5* | *501.6* |
| 67.5° | 690.9 | 621.1 | 551.2 | 564.3 | 577.3 | 583.9 | 549.5 | 509.9 | 470.1 | 460.0 | 449.9 |
| 70° | 496.7 | 472.1 | 447.5 | 466.9 | 486.3 | 484.4 | 467.6 | 444.0 | 420.4 | 414.0 | 407.6 |
| 72.5° | 363.4 | 362.9 | 362.7 | 377.4 | 392.2 | 372.5 | 383.1 | 377.7 | 372.5 | 367.8 | 363.4 |
| 75° | 272.4 | 270.7 | 269.2 | 286.7 | 304.4 | 312.3 | 319.1 | 316.2 | 313.5 | 310.0 | 306.8 |
| 77.5° | 194.7 | 196.2 | 197.2 | 216.4 | 235.5 | 258.2 | 259.4 | 253.0 | 246.4 | 242.9 | 239.0 |
| 80° | 123.4 | 124.9 | 125.9 | 146.0 | 166.0 | 197.9 | 196.7 | 188.8 | 180.7 | 178.0 | 175.1 |
| 82.5° | 76.2 | 76.5 | 76.7 | 86.5 | 96.4 | 114.3 | 119.2 | 119.2 | 119.2 | 117.5 | 115.6 |
| 85° | 30.7 | 32.2 | 33.9 | 40.3 | 46.7 | 56.5 | 59.5 | 60.0 | 60.2 | 57.5 | 54.6 |
| 87.5° | 9.8 | 10.3 | 11.1 | 12.3 | 13.5 | 14.8 | 17.2 | 18.7 | 20.2 | 21.6 | 22.6 |
| 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: P1365187
CATALOG NUMBER: GSS-SB4A-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 |
| 2.5° | 1534.0 | 1524.9 | 1514.3 | 1503.5 | 1495.9 | 1488.0 | 1482.8 | 1477.7 | 1475.2 | 1472.7 | 1470.8 |
| 5° | 1474.7 | 1458.5 | 1444.2 | 1429.7 | 1418.4 | 1406.9 | 1397.5 | 1387.9 | 1384.0 | 1379.8 | 1377.1 |
| 7.5° | 1444.7 | 1423.6 | 1405.9 | 1387.9 | 1371.0 | 1354.2 | 1343.4 | 1332.6 | 1326.2 | 1319.8 | 1315.1 |
| 10° | 1441.0 | 1418.7 | 1395.3 | 1371.9 | 1353.3 | 1334.6 | 1318.3 | 1302.6 | 1293.5 | 1284.7 | 1279.7 |
| 12.5° | 1471.8 | 1451.1 | 1423.3 | 1395.3 | 1370.0 | 1344.9 | 1325.0 | 1305.1 | 1293.8 | 1282.9 | 1275.6 |
| 15° | 1529.1 | 1521.9 | 1496.1 | 1470.3 | 1435.4 | 1400.2 | 1371.7 | 1342.9 | 1327.2 | 1311.0 | 1301.9 |
| 17.5° | 1596.9 | 1610.9 | 1593.0 | 1574.8 | 1525.6 | 1476.4 | 1433.9 | 1391.6 | 1368.5 | 1345.4 | 1337.3 |
| 20° | 1634.0 | 1671.9 | 1669.9 | 1668.2 | 1604.0 | 1539.6 | 1483.8 | 1428.0 | 1397.0 | 1366.5 | 1354.2 |
| 22.5° | 1617.8 | 1672.4 | 1686.4 | 1700.2 | 1637.2 | 1574.0 | 1505.2 | 1436.4 | 1400.0 | 1363.3 | 1351.8 |
| 25° | 1541.3 | 1600.1 | 1626.2 | 1652.2 | 1600.4 | 1548.5 | 1481.6 | 1415.0 | 1376.6 | 1338.0 | 1326.2 |
| 27.5° | 1428.5 | 1475.7 | 1505.0 | 1534.2 | 1502.5 | 1470.8 | 1416.7 | 1362.6 | 1328.7 | 1294.5 | 1282.0 |
| 30° | 1317.9 | 1349.8 | 1373.2 | 1396.5 | 1375.6 | 1354.7 | 1315.9 | 1277.3 | 1252.0 | 1226.9 | 1219.0 |
| 32.5° | 1216.8 | 1240.4 | 1253.4 | 1266.2 | 1250.0 | 1233.8 | 1208.2 | 1182.6 | 1166.9 | 1151.2 | 1146.0 |
| 35° | 1130.0 | 1149.4 | 1159.3 | 1169.1 | 1155.6 | 1142.1 | 1119.2 | 1096.6 | 1085.3 | 1073.9 | 1069.8 |
| 37.5° | 1047.1 | 1063.4 | 1077.4 | 1091.7 | 1081.8 | 1072.0 | 1052.6 | 1033.1 | 1019.9 | 1006.1 | 998.7 |
| 40° | 968.5 | 984.0 | 1001.7 | 1019.1 | 1017.4 | 1015.4 | 997.0 | 978.6 | 959.4 | 940.4 | 930.4 |
| 42.5° | 896.2 | 911.7 | 930.4 | 949.0 | 952.7 | 956.4 | 941.2 | 925.7 | 903.6 | 881.4 | 865.9 |
| 45° | 834.0 | 847.8 | 868.2 | 888.8 | 897.4 | 906.0 | 892.3 | 878.2 | 853.4 | 828.6 | 810.1 |
| 47.5° | 784.8 | 799.1 | 821.7 | 844.6 | 853.7 | 863.0 | 853.7 | 844.6 | 823.2 | 801.5 | 785.3 |
| 50° | 746.9 | 762.2 | 779.9 | 797.8 | 814.8 | 831.5 | 829.8 | 828.1 | 811.1 | 794.2 | 778.9 |
| 52.5° | 720.9 | 735.1 | 753.6 | 772.0 | 789.7 | 807.7 | 810.4 | 813.3 | 801.0 | 788.7 | 775.5 |
| 55° | 698.5 | 715.5 | 732.7 | 749.9 | 766.6 | 783.1 | 786.8 | 790.5 | 781.6 | 772.5 | 762.7 |
| 57.5° | 667.5 | 686.0 | 703.2 | 720.4 | 739.8 | 759.2 | 762.2 | 765.1 | 755.8 | 746.2 | 738.8 |
| 60° | 629.2 | 647.9 | 665.8 | 683.5 | 703.2 | 722.9 | 726.8 | 730.7 | 723.3 | 716.0 | 709.1 |
| 62.5° | 575.1 | 596.2 | 611.0 | 625.7 | 644.4 | 663.4 | 669.0 | 674.9 | 671.5 | 668.3 | 660.4 |
| 65° | *521.7* | *542.1* | *553.7* | *565.5* | *581.7* | *597.9* | *603.6* | *609.3* | *607.5* | *606.1* | *600.4* |
| 67.5° | 468.6 | 487.3 | 496.9 | 506.5 | 517.6 | 528.6 | 535.0 | 541.4 | 538.2 | 534.8 | 528.9 |
| 70° | 422.9 | 438.1 | 446.5 | 454.9 | 463.7 | 472.6 | 476.0 | 479.4 | 474.5 | 469.6 | 456.3 |
| 72.5° | 374.9 | 386.5 | 393.6 | 400.8 | 409.1 | 417.5 | 419.5 | 421.7 | 414.0 | 406.2 | 390.7 |
| 75° | 315.7 | 324.5 | 330.0 | 335.6 | 344.2 | 352.8 | 356.5 | 360.2 | 349.4 | 338.8 | 322.3 |
| 77.5° | 247.1 | 255.2 | 260.4 | 265.5 | 272.7 | 279.8 | 280.8 | 282.3 | 272.9 | 263.6 | 253.7 |
| 80° | 181.0 | 186.9 | 188.8 | 190.5 | 196.4 | 202.1 | 202.1 | 202.1 | 195.2 | 188.1 | 183.2 |
| 82.5° | 114.3 | 113.1 | 110.6 | 108.2 | 114.1 | 120.0 | 122.0 | 124.2 | 121.0 | 118.0 | 112.6 |
| 85° | 51.1 | 47.2 | 46.5 | 45.5 | 45.2 | 44.7 | 46.5 | 47.9 | 47.2 | 46.7 | 44.7 |
| 87.5° | 24.1 | 25.1 | 24.3 | 23.4 | 22.4 | 21.6 | 19.7 | 17.7 | 16.2 | 14.8 | 13.8 |
| 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
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Scaled Data Report

REPORT NUMBER: P1365187
CATALOG NUMBER: GSS-SB4A-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 |
| 2.5° | 1469.1 | 1467.8 | 1469.1 | 1470.8 | 1472.7 | 1475.2 | 1477.7 | 1482.8 | 1488.0 | 1495.9 | 1503.5 |
| 5° | 1374.4 | 1371.9 | 1374.4 | 1377.1 | 1379.8 | 1384.0 | 1387.9 | 1397.5 | 1406.9 | 1418.4 | 1429.7 |
| 7.5° | 1310.5 | 1308.0 | 1310.5 | 1315.1 | 1319.8 | 1326.2 | 1332.6 | 1343.4 | 1354.2 | 1371.0 | 1387.9 |
| 10° | 1274.8 | 1271.1 | 1274.8 | 1279.7 | 1284.7 | 1293.5 | 1302.6 | 1318.3 | 1334.6 | 1353.3 | 1371.9 |
| 12.5° | 1268.2 | 1263.8 | 1268.2 | 1275.6 | 1282.9 | 1293.8 | 1305.1 | 1325.0 | 1344.9 | 1370.0 | 1395.3 |
| 15° | 1292.8 | 1285.9 | 1292.8 | 1301.9 | 1311.0 | 1327.2 | 1342.9 | 1371.7 | 1400.2 | 1435.4 | 1470.3 |
| 17.5° | 1328.9 | 1325.2 | 1328.9 | 1337.3 | 1345.4 | 1368.5 | 1391.6 | 1433.9 | 1476.4 | 1525.6 | 1574.8 |
| 20° | 1341.9 | 1337.5 | 1341.9 | 1354.2 | 1366.5 | 1397.0 | 1428.0 | 1483.8 | 1539.6 | 1604.0 | 1668.2 |
| 22.5° | 1340.0 | 1335.1 | 1340.0 | 1351.8 | 1363.3 | 1400.0 | 1436.4 | 1505.2 | 1574.0 | 1637.2 | 1700.2 |
| 25° | 1314.2 | 1310.5 | 1314.2 | 1326.2 | 1338.0 | 1376.6 | 1415.0 | 1481.6 | 1548.5 | 1600.4 | 1652.2 |
| 27.5° | 1269.2 | 1261.3 | 1269.2 | 1282.0 | 1294.5 | 1328.7 | 1362.6 | 1416.7 | 1470.8 | 1502.5 | 1534.2 |
| 30° | 1210.9 | 1207.2 | 1210.9 | 1219.0 | 1226.9 | 1252.0 | 1277.3 | 1315.9 | 1354.7 | 1375.6 | 1396.5 |
| 32.5° | 1140.8 | 1138.4 | 1140.8 | 1146.0 | 1151.2 | 1166.9 | 1182.6 | 1208.2 | 1233.8 | 1250.0 | 1266.2 |
| 35° | 1065.8 | 1062.1 | 1065.8 | 1069.8 | 1073.9 | 1085.3 | 1096.6 | 1119.2 | 1142.1 | 1155.6 | 1169.1 |
| 37.5° | 991.3 | 985.9 | 991.3 | 998.7 | 1006.1 | 1019.9 | 1033.1 | 1052.6 | 1072.0 | 1081.8 | 1091.7 |
| 40° | 920.0 | 914.6 | 920.0 | 930.4 | 940.4 | 959.4 | 978.6 | 997.0 | 1015.4 | 1017.4 | 1019.1 |
| 42.5° | 850.7 | 840.9 | 850.7 | 865.9 | 881.4 | 903.6 | 925.7 | 941.2 | 956.4 | 952.7 | 949.0 |
| 45° | 791.7 | 779.4 | 791.7 | 810.1 | 828.6 | 853.4 | 878.2 | 892.3 | 906.0 | 897.4 | 888.8 |
| 47.5° | 769.1 | 757.3 | 769.1 | 785.3 | 801.5 | 823.2 | 844.6 | 853.7 | 863.0 | 853.7 | 844.6 |
| 50° | 763.4 | 752.4 | 763.4 | 778.9 | 794.2 | 811.1 | 828.1 | 829.8 | 831.5 | 814.8 | 797.8 |
| 52.5° | 762.2 | 752.4 | 762.2 | 775.5 | 788.7 | 801.0 | 813.3 | 810.4 | 807.7 | 789.7 | 772.0 |
| 55° | 752.8 | 745.0 | 752.8 | 762.7 | 772.5 | 781.6 | 790.5 | 786.8 | 783.1 | 766.6 | 749.9 |
| 57.5° | 731.5 | 727.8 | 731.5 | 738.8 | 746.2 | 755.8 | 765.1 | 762.2 | 759.2 | 739.8 | 720.4 |
| 60° | 702.0 | 695.8 | 702.0 | 709.1 | 716.0 | 723.3 | 730.7 | 726.8 | 722.9 | 703.2 | 683.5 |
| 62.5° | 652.8 | 644.2 | 652.8 | 660.4 | 668.3 | 671.5 | 674.9 | 669.0 | 663.4 | 644.4 | 625.7 |
| 65° | *595.0* | *585.2* | *595.0* | *600.4* | *606.1* | *607.5* | *609.3* | *603.6* | *597.9* | *581.7* | *565.5* |
| 67.5° | 523.2 | 521.2 | 523.2 | 528.9 | 534.8 | 538.2 | 541.4 | 535.0 | 528.6 | 517.6 | 506.5 |
| 70° | 443.1 | 427.8 | 443.1 | 456.3 | 469.6 | 474.5 | 479.4 | 476.0 | 472.6 | 463.7 | 454.9 |
| 72.5° | 374.9 | 359.0 | 374.9 | 390.7 | 406.2 | 414.0 | 421.7 | 419.5 | 417.5 | 409.1 | 400.8 |
| 75° | 306.1 | 295.0 | 306.1 | 322.3 | 338.8 | 349.4 | 360.2 | 356.5 | 352.8 | 344.2 | 335.6 |
| 77.5° | 243.9 | 238.5 | 243.9 | 253.7 | 263.6 | 272.9 | 282.3 | 280.8 | 279.8 | 272.7 | 265.5 |
| 80° | 178.3 | 174.6 | 178.3 | 183.2 | 188.1 | 195.2 | 202.1 | 202.1 | 202.1 | 196.4 | 190.5 |
| 82.5° | 107.0 | 103.3 | 107.0 | 112.6 | 118.0 | 121.0 | 124.2 | 122.0 | 120.0 | 114.1 | 108.2 |
| 85° | 43.0 | 41.8 | 43.0 | 44.7 | 46.7 | 47.2 | 47.9 | 46.5 | 44.7 | 45.2 | 45.5 |
| 87.5° | 12.8 | 12.3 | 12.8 | 13.8 | 14.8 | 16.2 | 17.7 | 19.7 | 21.6 | 22.4 | 23.4 |
| 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
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Scaled Data Report

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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 |
| 2.5° | 1514.3 | 1524.9 | 1534.0 | 1542.8 | 1552.9 | 1563.2 | 1576.3 | 1589.5 | 1601.8 | 1615.8 | 1629.9 |
| 5° | 1444.2 | 1458.5 | 1474.7 | 1490.4 | 1509.6 | 1528.8 | 1551.9 | 1575.5 | 1599.4 | 1627.2 | 1653.7 |
| 7.5° | 1405.9 | 1423.6 | 1444.7 | 1465.9 | 1490.9 | 1515.8 | 1544.3 | 1573.1 | 1601.8 | 1638.7 | 1674.1 |
| 10° | 1395.3 | 1418.7 | 1441.0 | 1463.4 | 1489.0 | 1514.5 | 1544.5 | 1574.8 | 1605.5 | 1644.9 | 1685.4 |
| 12.5° | 1423.3 | 1451.1 | 1471.8 | 1492.4 | 1510.1 | 1528.1 | 1552.9 | 1578.0 | 1608.0 | 1651.0 | 1695.5 |
| 15° | 1496.1 | 1521.9 | 1529.1 | 1536.2 | 1537.7 | 1539.1 | 1555.4 | 1571.6 | 1598.1 | 1646.1 | 1696.5 |
| 17.5° | 1593.0 | 1610.9 | 1596.9 | 1582.9 | 1558.6 | 1534.2 | 1536.4 | 1538.6 | 1561.3 | 1617.3 | 1675.8 |
| 20° | 1669.9 | 1671.9 | 1634.0 | 1596.2 | 1548.7 | 1501.0 | 1487.3 | 1473.2 | 1487.5 | 1561.8 | 1639.0 |
| 22.5° | 1686.4 | 1672.4 | 1617.8 | 1563.2 | 1501.0 | 1438.8 | 1418.4 | 1397.8 | 1411.3 | 1499.8 | 1596.7 |
| 25° | 1626.2 | 1600.1 | 1541.3 | 1482.6 | 1425.0 | 1367.5 | 1345.1 | 1322.8 | 1324.0 | 1425.5 | 1546.3 |
| 27.5° | 1505.0 | 1475.7 | 1428.5 | 1381.3 | 1338.5 | 1295.7 | 1274.1 | 1252.7 | 1246.5 | 1350.3 | 1494.6 |
| 30° | 1373.2 | 1349.8 | 1317.9 | 1285.9 | 1254.9 | 1223.9 | 1207.2 | 1190.5 | 1183.9 | 1284.7 | 1449.6 |
| 32.5° | 1253.4 | 1240.4 | 1216.8 | 1192.9 | 1172.8 | 1152.6 | 1145.5 | 1138.4 | 1138.4 | 1231.3 | 1410.3 |
| 35° | 1159.3 | 1149.4 | 1130.0 | 1110.8 | 1097.6 | 1084.3 | 1090.2 | 1096.1 | 1111.3 | 1183.1 | 1365.5 |
| 37.5° | 1077.4 | 1063.4 | 1047.1 | 1030.7 | 1024.8 | 1018.4 | 1034.6 | 1050.3 | 1079.4 | 1135.9 | 1315.9 |
| 40° | 1001.7 | 984.0 | 968.5 | 952.7 | 953.5 | 954.0 | 977.6 | 1001.2 | 1037.6 | 1082.3 | 1256.6 |
| 42.5° | 930.4 | 911.7 | 896.2 | 880.7 | 883.9 | 887.1 | 917.1 | 947.1 | 992.1 | 1023.3 | 1186.1 |
| 45° | 868.2 | 847.8 | 834.0 | 820.7 | 825.6 | 830.5 | 861.0 | 892.0 | 936.8 | 965.0 | 1114.3 |
| 47.5° | 821.7 | 799.1 | 784.8 | 770.8 | 774.0 | 776.9 | 803.5 | 829.8 | 871.6 | 904.3 | 1043.0 |
| 50° | 779.9 | 762.2 | 746.9 | 731.5 | 727.8 | 724.1 | 746.0 | 767.6 | 808.9 | 853.7 | 979.5 |
| 52.5° | 753.6 | 735.1 | 720.9 | 706.9 | 695.6 | 684.0 | 700.5 | 716.7 | 761.0 | 818.2 | 922.5 |
| 55° | 732.7 | 715.5 | 698.5 | 681.5 | 665.3 | 649.1 | 667.3 | 685.5 | 737.6 | 794.6 | 874.8 |
| 57.5° | 703.2 | 686.0 | 667.5 | 649.1 | 632.9 | 616.6 | 642.0 | 667.5 | 731.5 | 779.4 | 834.5 |
| 60° | 665.8 | 647.9 | 629.2 | 610.2 | 599.7 | 588.9 | 620.8 | 652.8 | 716.7 | 754.3 | 792.9 |
| 62.5° | 611.0 | 596.2 | 575.1 | 553.7 | 552.7 | 551.2 | 593.0 | 634.8 | 695.8 | 711.8 | 733.2 |
| 65° | *553.7* | *542.1* | *521.7* | *501.6* | *506.5* | *511.4* | *556.2* | *601.1* | *651.5* | *656.0* | *660.4* |
| 67.5° | 496.9 | 487.3 | 468.6 | 449.9 | 460.0 | 470.1 | 509.9 | 549.5 | 583.9 | 577.3 | 564.3 |
| 70° | 446.5 | 438.1 | 422.9 | 407.6 | 414.0 | 420.4 | 444.0 | 467.6 | 484.4 | 486.3 | 466.9 |
| 72.5° | 393.6 | 386.5 | 374.9 | 363.4 | 367.8 | 372.5 | 377.7 | 383.1 | 372.5 | 392.2 | 377.4 |
| 75° | 330.0 | 324.5 | 315.7 | 306.8 | 310.0 | 313.5 | 316.2 | 319.1 | 312.3 | 304.4 | 286.7 |
| 77.5° | 260.4 | 255.2 | 247.1 | 239.0 | 242.9 | 246.4 | 253.0 | 259.4 | 258.2 | 235.5 | 216.4 |
| 80° | 188.8 | 186.9 | 181.0 | 175.1 | 178.0 | 180.7 | 188.8 | 196.7 | 197.9 | 166.0 | 146.0 |
| 82.5° | 110.6 | 113.1 | 114.3 | 115.6 | 117.5 | 119.2 | 119.2 | 119.2 | 114.3 | 96.4 | 86.5 |
| 85° | 46.5 | 47.2 | 51.1 | 54.6 | 57.5 | 60.2 | 60.0 | 59.5 | 56.5 | 46.7 | 40.3 |
| 87.5° | 24.3 | 25.1 | 24.1 | 22.6 | 21.6 | 20.2 | 18.7 | 17.2 | 14.8 | 13.5 | 12.3 |
| 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: P1365187
CATALOG NUMBER: GSS-SB4A-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 | 1603.1 |
| 2.5° | 1643.6 | 1658.1 | 1672.4 | 1686.7 | 1700.9 | 1716.4 | 1732.1 |
| 5° | 1680.5 | 1708.8 | 1737.1 | 1765.8 | 1794.8 | 1822.4 | 1850.2 |
| 7.5° | 1709.3 | 1748.6 | 1787.9 | 1832.0 | 1876.0 | 1922.7 | 1969.4 |
| 10° | 1726.0 | 1774.7 | 1823.1 | 1877.9 | 1932.5 | 1988.6 | 2044.4 |
| 12.5° | 1740.3 | 1794.6 | 1848.9 | 1910.1 | 1971.4 | 2026.9 | 2082.5 |
| 15° | 1746.9 | 1805.7 | 1864.2 | 1926.4 | 1988.6 | 2044.6 | 2100.9 |
| 17.5° | 1734.6 | 1801.2 | 1868.1 | 1934.5 | 2000.9 | 2053.2 | 2105.9 |
| 20° | 1716.2 | 1794.6 | 1873.0 | 1944.3 | 2015.6 | 2068.7 | 2121.8 |
| 22.5° | 1693.5 | 1789.4 | 1885.3 | 1963.5 | 2041.9 | 2090.4 | 2139.0 |
| 25° | 1667.0 | 1788.9 | 1910.9 | 1996.4 | 2082.0 | 2124.0 | 2166.1 |
| 27.5° | 1638.7 | 1793.6 | 1948.5 | 2044.6 | 2141.0 | 2173.2 | 2205.4 |
| 30° | 1614.9 | 1803.7 | 1992.8 | 2101.7 | 2210.3 | 2235.4 | 2260.8 |
| 32.5° | 1589.5 | 1815.0 | 2040.7 | 2168.8 | 2296.9 | 2312.6 | 2328.4 |
| 35° | 1547.7 | 1812.3 | 2077.1 | 2240.1 | 2403.4 | 2423.0 | 2442.7 |
| 37.5° | 1496.1 | 1804.7 | 2113.2 | 2327.1 | 2541.0 | 2564.4 | 2587.8 |
| 40° | 1430.9 | 1787.5 | 2144.0 | 2426.7 | 2709.5 | 2755.7 | 2801.7 |
| 42.5° | 1348.6 | 1757.7 | 2166.6 | 2536.9 | 2906.6 | 3004.3 | 3101.6 |
| 45° | 1263.8 | 1737.3 | 2210.8 | 2686.3 | 3161.9 | 3318.0 | 3474.1 |
| 47.5° | 1182.1 | 1713.5 | 2244.8 | 2840.0 | 3435.3 | 3632.9 | 3830.6 |
| 50° | 1105.2 | 1672.9 | 2240.3 | 2974.0 | 3707.7 | 3975.7 | 4243.7 |
| 52.5° | 1027.2 | 1589.8 | 2152.6 | 3037.4 | 3922.1 | 4347.9 | 4773.5 |
| 55° | 954.5 | 1479.6 | 2004.3 | 3020.7 | 4037.1 | 4721.9 | 5406.6 |
| 57.5° | 889.5 | 1364.3 | 1839.1 | 2929.5 | 4019.9 | 5035.9 | 6052.0 |
| 60° | 831.5 | 1218.5 | 1605.5 | 2710.9 | 3816.4 | 5176.5 | 6536.4 |
| 62.5° | 754.8 | 1033.6 | 1312.4 | 2352.7 | 3393.0 | 4864.5 | 6336.0 |
| 65° | *665.1* | *812.3* | *959.4* | *1845.5* | *2731.6* | *4195.7* | *5659.9* |
| 67.5° | 551.2 | 621.1 | 690.9 | 1436.1 | 2181.3 | 3603.4 | 5025.5 |
| 70° | 447.5 | 472.1 | 496.7 | 1100.5 | 1704.4 | 3061.3 | 4418.2 |
| 72.5° | 362.7 | 362.9 | 363.4 | 827.3 | 1291.3 | 2542.0 | 3792.5 |
| 75° | 269.2 | 270.7 | 272.4 | 613.2 | 954.0 | 2029.6 | 3105.3 |
| 77.5° | 197.2 | 196.2 | 194.7 | 396.3 | 597.9 | 1331.6 | 2065.3 |
| 80° | 125.9 | 124.9 | 123.4 | 219.1 | 314.7 | 763.4 | 1212.1 |
| 82.5° | 76.7 | 76.5 | 76.2 | 117.8 | 159.3 | 382.6 | 606.1 |
| 85° | 33.9 | 32.2 | 30.7 | 37.4 | 44.3 | 91.0 | 137.7 |
| 87.5° | 11.1 | 10.3 | 9.8 | 10.1 | 10.3 | 10.8 | 11.1 |
| 90° | 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-79-08: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

McGRAW-EDISON

Report Number: SP1-2106-271-1

Luminaire Tested: GFLD-SA1-A-927-U-WR-X-BK

Test Date: 06/16/2021

Report Generated By FNC07603 / LDUCLS01DT446
Version: v6.09

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

## Test Information

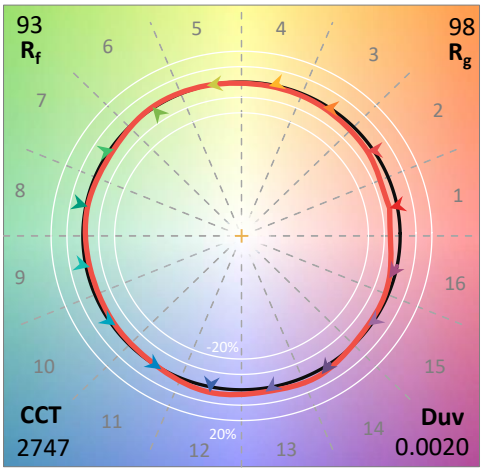
| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | SP1-2106-271-1 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 |
| Measurement Geometry: | 4π |
| Issue Date: | 06/16/2021 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | **GFLD-SA1-A-927-U-WR-X-BK** |
| Description: | MCGRAW EDISON |

N6, BLACK

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 2747 | CRI (Ra): | 92.5 | | |
| CIE u': | 0.2598 | R1: | 92.3 | R9: | 58.3 |
| CIE v': | 0.5293 | R2: | 95.5 | R10: | 88.5 |
| Duv: | 0.0020 | R3: | 97.5 | R11: | 93.7 |
| CIE x: | 0.4594 | R4: | 93.1 | R12: | 84.9 |
| CIE y: | 0.4160 | R5: | 91.8 | R13: | 93.0 |
| CIE z: | 0.1246 | R6: | 95.1 | R14: | 97.8 |
| Peak Wavelength (nm): | 624 | R7: | 92.9 | | |
| Dominant Wavelength (nm): | 583 | R8: | 81.7 | | |
| Purity: | 63 | | | | |

| | |
|---|---|
| Rf: | 93.1 |
| Rg: | 98.2 |




## Test Conditions

| | |
|---|---|
| Stabilization Time: | 198M |
| Operation Time: | 12H |
| Room Temperature (°C) / RH%: | 24.3/43% |
| Sphere Temperature (°C): | 24.2 |

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

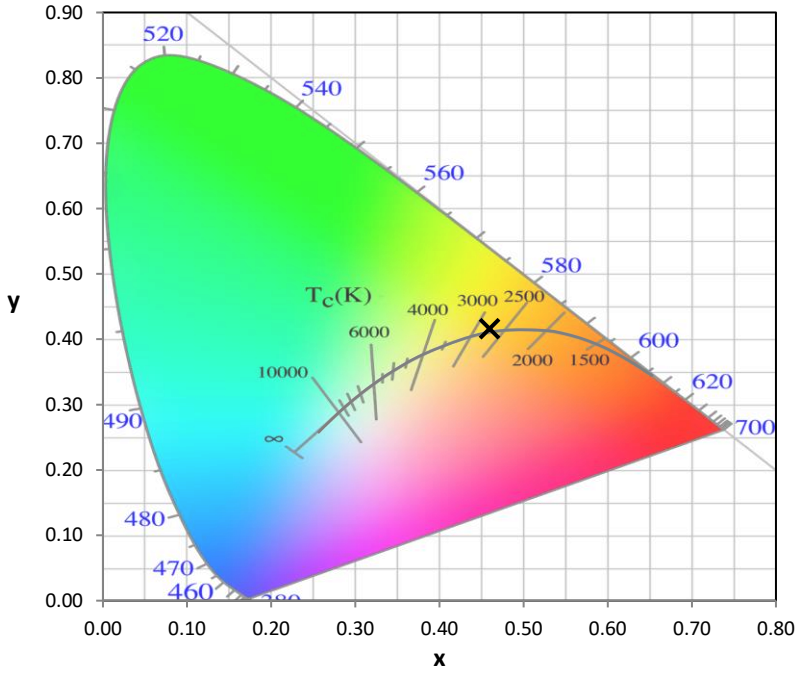
REPORT NUMBER: SP1-2106-271-1

| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | 76INCH SPHERE IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | XITRON 2801 IN0071 | 12/1/2020 | 12/1/2021 |
| AC Power Source | CHROMA 61603 IN0063 | 12/1/2020 | 12/1/2021 |
| DC Power Source | AGILENT E3634A IN0208 | 12/1/2020 | 12/1/2021 |
| Sphere Thermometer | ONSET IN0085 | 12/1/2020 | 12/1/2021 |
| Room Thermometer | ONSET IN0046 | 12/1/2020 | 12/1/2021 |

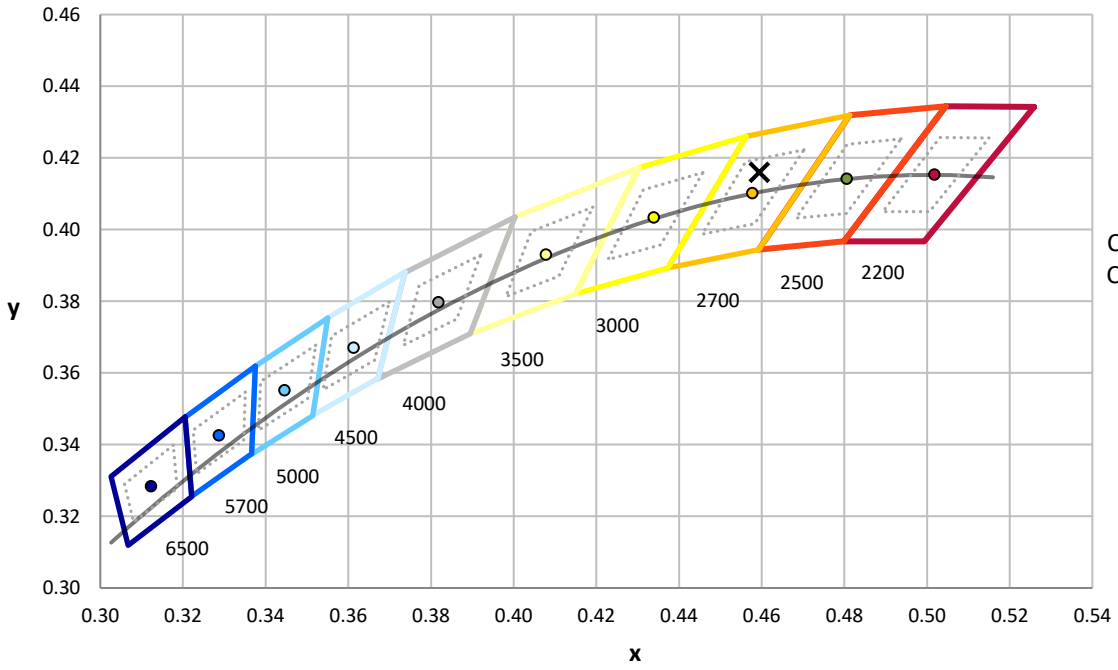
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2106-271-1

## CIE 1931 Chromaticity Diagram




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



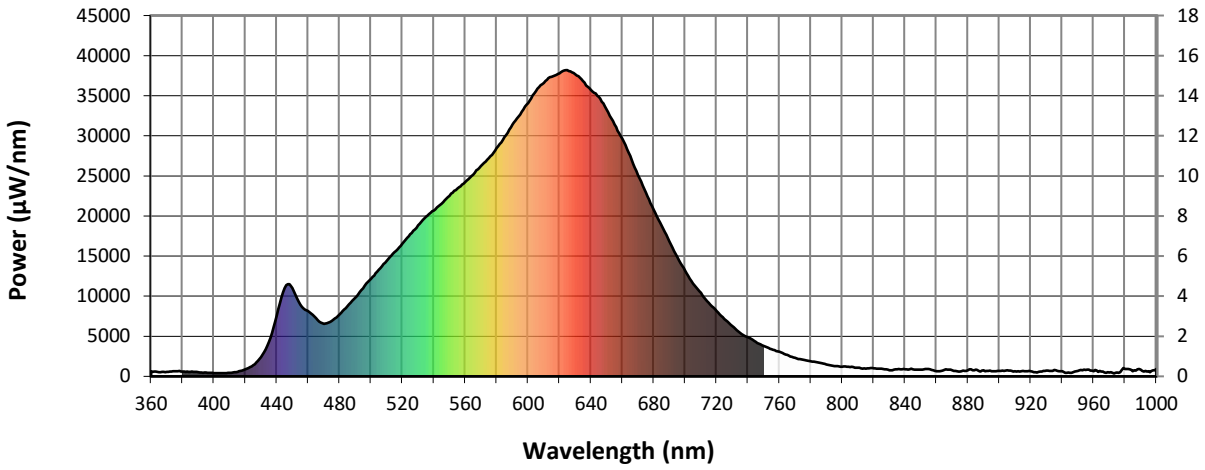

CCT = 2747K
CIE x = 0.4594
CIE y = 0.4160
Duv = 0.0020

Point lies inside the ANSI 2700K 4-step quadrangle

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

REPORT NUMBER: SP1-2106-271-1

## Photopic Flux vs. Wavelength



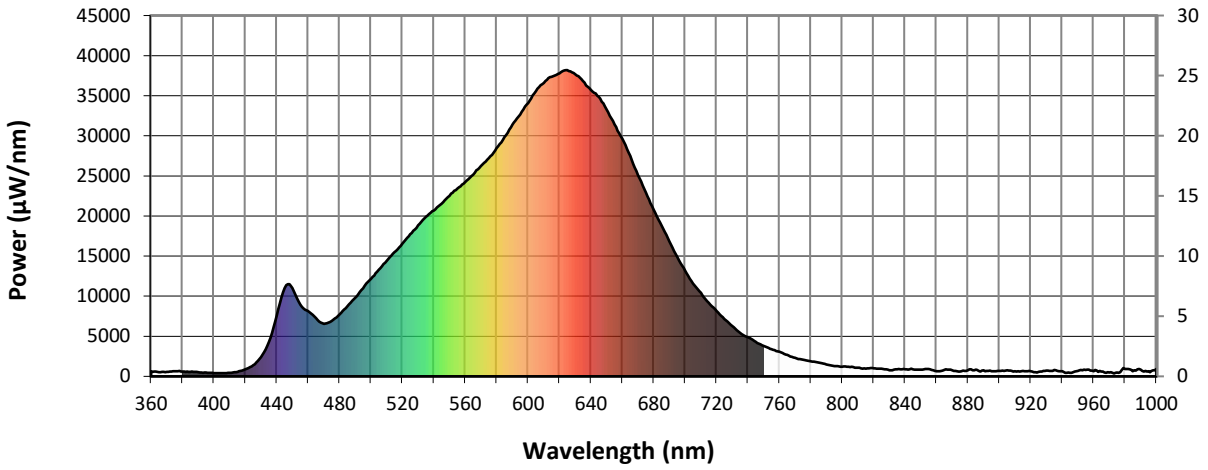

######

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 649 | NR | 490 | 9819 | NR | 620 | 37806 | NR | 750 | 3792 | NR | 880 | 778 | NR |
| 365 | 535 | NR | 495 | 10995 | NR | 625 | 38173 | NR | 755 | 3383 | NR | 885 | 829 | NR |
| 370 | 546 | NR | 500 | 12186 | NR | 630 | 37677 | NR | 760 | 3071 | NR | 890 | 745 | NR |
| 375 | 624 | NR | 505 | 13274 | NR | 635 | 36852 | NR | 765 | 2656 | NR | 895 | 648 | NR |
| 380 | 611 | NR | 510 | 14396 | NR | 640 | 35711 | NR | 770 | 2297 | NR | 900 | 661 | NR |
| 385 | 569 | NR | 515 | 15467 | NR | 645 | 34820 | NR | 775 | 2076 | NR | 905 | 740 | NR |
| 390 | 512 | NR | 520 | 16543 | NR | 650 | 33278 | NR | 780 | 1860 | NR | 910 | 635 | NR |
| 395 | 465 | NR | 525 | 17716 | NR | 655 | 31397 | NR | 785 | 1717 | NR | 915 | 683 | NR |
| 400 | 418 | NR | 530 | 18837 | NR | 660 | 29663 | NR | 790 | 1494 | NR | 920 | 620 | NR |
| 405 | 411 | NR | 535 | 19916 | NR | 665 | 27479 | NR | 795 | 1276 | NR | 925 | 580 | NR |
| 410 | 439 | NR | 540 | 20679 | NR | 670 | 25115 | NR | 800 | 1183 | NR | 930 | 717 | NR |
| 415 | 565 | NR | 545 | 21563 | NR | 675 | 22916 | NR | 805 | 1161 | NR | 935 | 780 | NR |
| 420 | 866 | NR | 550 | 22521 | NR | 680 | 20799 | NR | 810 | 1065 | NR | 940 | 630 | NR |
| 425 | 1393 | NR | 555 | 23411 | NR | 685 | 18810 | NR | 815 | 970 | NR | 945 | 433 | NR |
| 430 | 2399 | NR | 560 | 24238 | NR | 690 | 16831 | NR | 820 | 1013 | NR | 950 | 676 | NR |
| 435 | 4305 | NR | 565 | 25148 | NR | 695 | 14867 | NR | 825 | 970 | NR | 955 | 802 | NR |
| 440 | 7544 | NR | 570 | 26216 | NR | 700 | 13210 | NR | 830 | 769 | NR | 960 | 645 | NR |
| 445 | 11003 | NR | 575 | 27219 | NR | 705 | 11593 | NR | 835 | 894 | NR | 965 | 620 | NR |
| 450 | 11015 | NR | 580 | 28466 | NR | 710 | 10403 | NR | 840 | 893 | NR | 970 | 474 | NR |
| 455 | 8956 | NR | 585 | 29834 | NR | 715 | 9162 | NR | 845 | 864 | NR | 975 | 478 | NR |
| 460 | 8133 | NR | 590 | 31413 | NR | 720 | 8146 | NR | 850 | 828 | NR | 980 | 905 | NR |
| 465 | 7252 | NR | 595 | 32655 | NR | 725 | 7155 | NR | 855 | 921 | NR | 985 | 639 | NR |
| 470 | 6556 | NR | 600 | 34084 | NR | 730 | 6272 | NR | 860 | 633 | NR | 990 | 838 | NR |
| 475 | 6915 | NR | 605 | 35555 | NR | 735 | 5418 | NR | 865 | 816 | NR | 995 | 621 | NR |
| 480 | 7734 | NR | 610 | 36593 | NR | 740 | 4870 | NR | 870 | 767 | NR | 1000 | 903 | NR |
| 485 | 8748 | NR | 615 | 37350 | NR | 745 | 4295 | NR | 875 | 601 | NR | | | |

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

REPORT NUMBER: SP1-2106-271-1

## Scotopic Flux vs. Wavelength



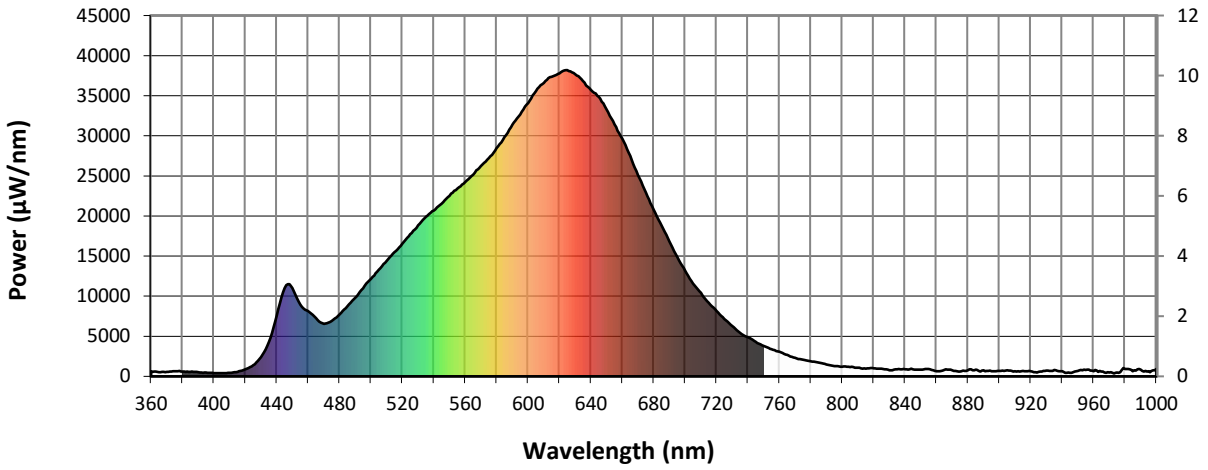

**Scotopic Lumens: 2290.1** **S/P: 1.28**

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 649 | NR | 490 | 9819 | NR | 620 | 37806 | NR | 750 | 3792 | NR | 880 | 778 | NR |
| 365 | 535 | NR | 495 | 10995 | NR | 625 | 38173 | NR | 755 | 3383 | NR | 885 | 829 | NR |
| 370 | 546 | NR | 500 | 12186 | NR | 630 | 37677 | NR | 760 | 3071 | NR | 890 | 745 | NR |
| 375 | 624 | NR | 505 | 13274 | NR | 635 | 36852 | NR | 765 | 2656 | NR | 895 | 648 | NR |
| 380 | 611 | NR | 510 | 14396 | NR | 640 | 35711 | NR | 770 | 2297 | NR | 900 | 661 | NR |
| 385 | 569 | NR | 515 | 15467 | NR | 645 | 34820 | NR | 775 | 2076 | NR | 905 | 740 | NR |
| 390 | 512 | NR | 520 | 16543 | NR | 650 | 33278 | NR | 780 | 1860 | NR | 910 | 635 | NR |
| 395 | 465 | NR | 525 | 17716 | NR | 655 | 31397 | NR | 785 | 1717 | NR | 915 | 683 | NR |
| 400 | 418 | NR | 530 | 18837 | NR | 660 | 29663 | NR | 790 | 1494 | NR | 920 | 620 | NR |
| 405 | 411 | NR | 535 | 19916 | NR | 665 | 27479 | NR | 795 | 1276 | NR | 925 | 580 | NR |
| 410 | 439 | NR | 540 | 20679 | NR | 670 | 25115 | NR | 800 | 1183 | NR | 930 | 717 | NR |
| 415 | 565 | NR | 545 | 21563 | NR | 675 | 22916 | NR | 805 | 1161 | NR | 935 | 780 | NR |
| 420 | 866 | NR | 550 | 22521 | NR | 680 | 20799 | NR | 810 | 1065 | NR | 940 | 630 | NR |
| 425 | 1393 | NR | 555 | 23411 | NR | 685 | 18810 | NR | 815 | 970 | NR | 945 | 433 | NR |
| 430 | 2399 | NR | 560 | 24238 | NR | 690 | 16831 | NR | 820 | 1013 | NR | 950 | 676 | NR |
| 435 | 4305 | NR | 565 | 25148 | NR | 695 | 14867 | NR | 825 | 970 | NR | 955 | 802 | NR |
| 440 | 7544 | NR | 570 | 26216 | NR | 700 | 13210 | NR | 830 | 769 | NR | 960 | 645 | NR |
| 445 | 11003 | NR | 575 | 27219 | NR | 705 | 11593 | NR | 835 | 894 | NR | 965 | 620 | NR |
| 450 | 11015 | NR | 580 | 28466 | NR | 710 | 10403 | NR | 840 | 893 | NR | 970 | 474 | NR |
| 455 | 8956 | NR | 585 | 29834 | NR | 715 | 9162 | NR | 845 | 864 | NR | 975 | 478 | NR |
| 460 | 8133 | NR | 590 | 31413 | NR | 720 | 8146 | NR | 850 | 828 | NR | 980 | 905 | NR |
| 465 | 7252 | NR | 595 | 32655 | NR | 725 | 7155 | NR | 855 | 921 | NR | 985 | 639 | NR |
| 470 | 6556 | NR | 600 | 34084 | NR | 730 | 6272 | NR | 860 | 633 | NR | 990 | 838 | NR |
| 475 | 6915 | NR | 605 | 35555 | NR | 735 | 5418 | NR | 865 | 816 | NR | 995 | 621 | NR |
| 480 | 7734 | NR | 610 | 36593 | NR | 740 | 4870 | NR | 870 | 767 | NR | 1000 | 903 | NR |
| 485 | 8748 | NR | 615 | 37350 | NR | 745 | 4295 | NR | 875 | 601 | NR | | | |

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

REPORT NUMBER: SP1-2106-271-1

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: 849.3** **S/P: 0.48**

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 649 | NR | 490 | 9819 | NR | 620 | 37806 | NR | 750 | 3792 | NR | 880 | 778 | NR |
| 365 | 535 | NR | 495 | 10995 | NR | 625 | 38173 | NR | 755 | 3383 | NR | 885 | 829 | NR |
| 370 | 546 | NR | 500 | 12186 | NR | 630 | 37677 | NR | 760 | 3071 | NR | 890 | 745 | NR |
| 375 | 624 | NR | 505 | 13274 | NR | 635 | 36852 | NR | 765 | 2656 | NR | 895 | 648 | NR |
| 380 | 611 | NR | 510 | 14396 | NR | 640 | 35711 | NR | 770 | 2297 | NR | 900 | 661 | NR |
| 385 | 569 | NR | 515 | 15467 | NR | 645 | 34820 | NR | 775 | 2076 | NR | 905 | 740 | NR |
| 390 | 512 | NR | 520 | 16543 | NR | 650 | 33278 | NR | 780 | 1860 | NR | 910 | 635 | NR |
| 395 | 465 | NR | 525 | 17716 | NR | 655 | 31397 | NR | 785 | 1717 | NR | 915 | 683 | NR |
| 400 | 418 | NR | 530 | 18837 | NR | 660 | 29663 | NR | 790 | 1494 | NR | 920 | 620 | NR |
| 405 | 411 | NR | 535 | 19916 | NR | 665 | 27479 | NR | 795 | 1276 | NR | 925 | 580 | NR |
| 410 | 439 | NR | 540 | 20679 | NR | 670 | 25115 | NR | 800 | 1183 | NR | 930 | 717 | NR |
| 415 | 565 | NR | 545 | 21563 | NR | 675 | 22916 | NR | 805 | 1161 | NR | 935 | 780 | NR |
| 420 | 866 | NR | 550 | 22521 | NR | 680 | 20799 | NR | 810 | 1065 | NR | 940 | 630 | NR |
| 425 | 1393 | NR | 555 | 23411 | NR | 685 | 18810 | NR | 815 | 970 | NR | 945 | 433 | NR |
| 430 | 2399 | NR | 560 | 24238 | NR | 690 | 16831 | NR | 820 | 1013 | NR | 950 | 676 | NR |
| 435 | 4305 | NR | 565 | 25148 | NR | 695 | 14867 | NR | 825 | 970 | NR | 955 | 802 | NR |
| 440 | 7544 | NR | 570 | 26216 | NR | 700 | 13210 | NR | 830 | 769 | NR | 960 | 645 | NR |
| 445 | 11003 | NR | 575 | 27219 | NR | 705 | 11593 | NR | 835 | 894 | NR | 965 | 620 | NR |
| 450 | 11015 | NR | 580 | 28466 | NR | 710 | 10403 | NR | 840 | 893 | NR | 970 | 474 | NR |
| 455 | 8956 | NR | 585 | 29834 | NR | 715 | 9162 | NR | 845 | 864 | NR | 975 | 478 | NR |
| 460 | 8133 | NR | 590 | 31413 | NR | 720 | 8146 | NR | 850 | 828 | NR | 980 | 905 | NR |
| 465 | 7252 | NR | 595 | 32655 | NR | 725 | 7155 | NR | 855 | 921 | NR | 985 | 639 | NR |
| 470 | 6556 | NR | 600 | 34084 | NR | 730 | 6272 | NR | 860 | 633 | NR | 990 | 838 | NR |
| 475 | 6915 | NR | 605 | 35555 | NR | 735 | 5418 | NR | 865 | 816 | NR | 995 | 621 | NR |
| 480 | 7734 | NR | 610 | 36593 | NR | 740 | 4870 | NR | 870 | 767 | NR | 1000 | 903 | NR |
| 485 | 8748 | NR | 615 | 37350 | NR | 745 | 4295 | NR | 875 | 601 | NR | | | |

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

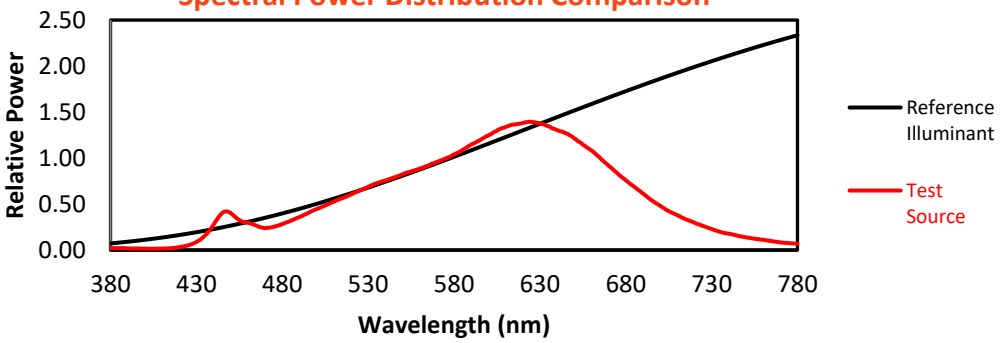
REPORT NUMBER: SP1-2106-271-1

# TM-30-18

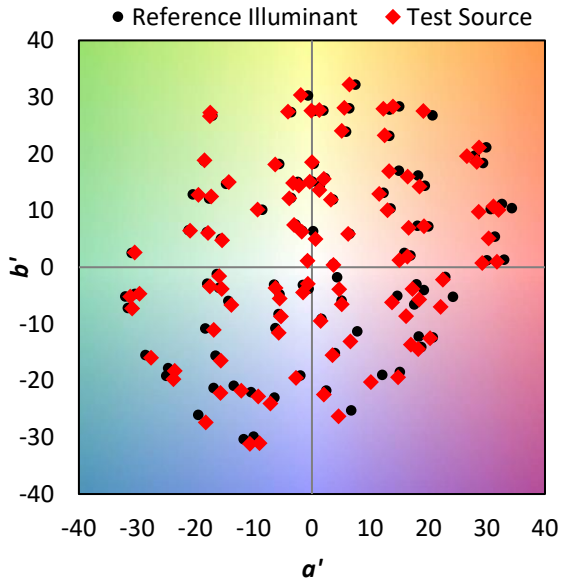
## Summary

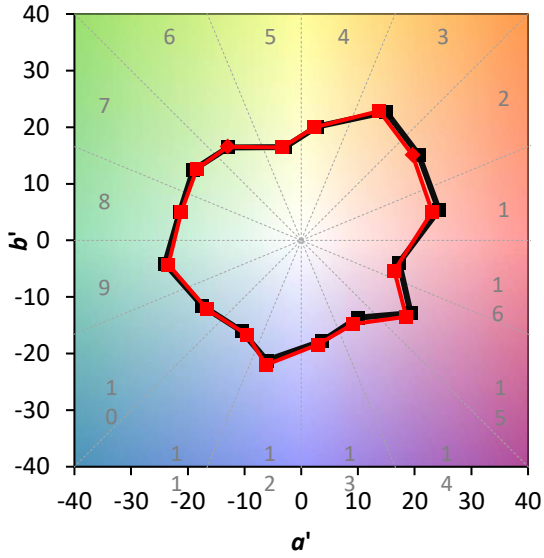
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$R_g$ = 98.2
CIE $R_a$ = 92.5
$R_9$ = 58.3

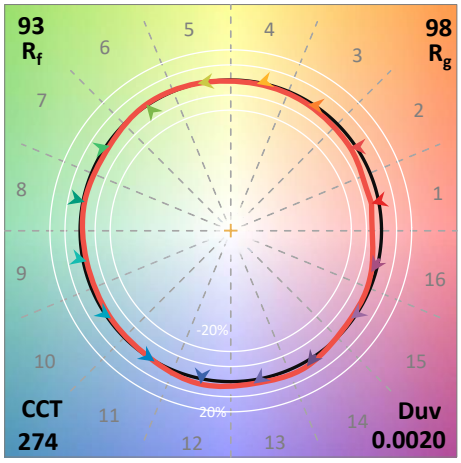
## Spectral Power Distribution Comparison

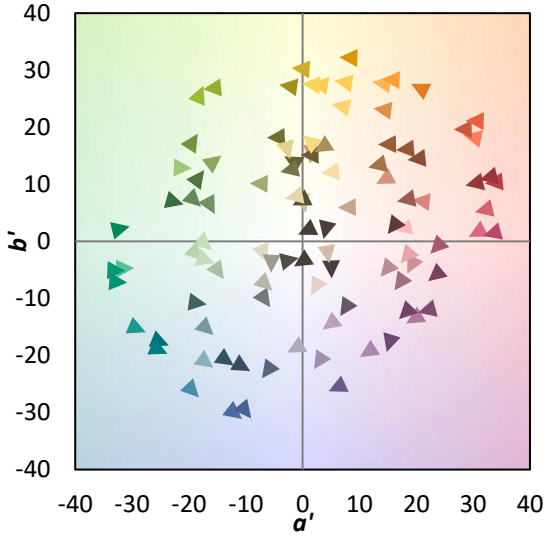



## Color Vector Graphics



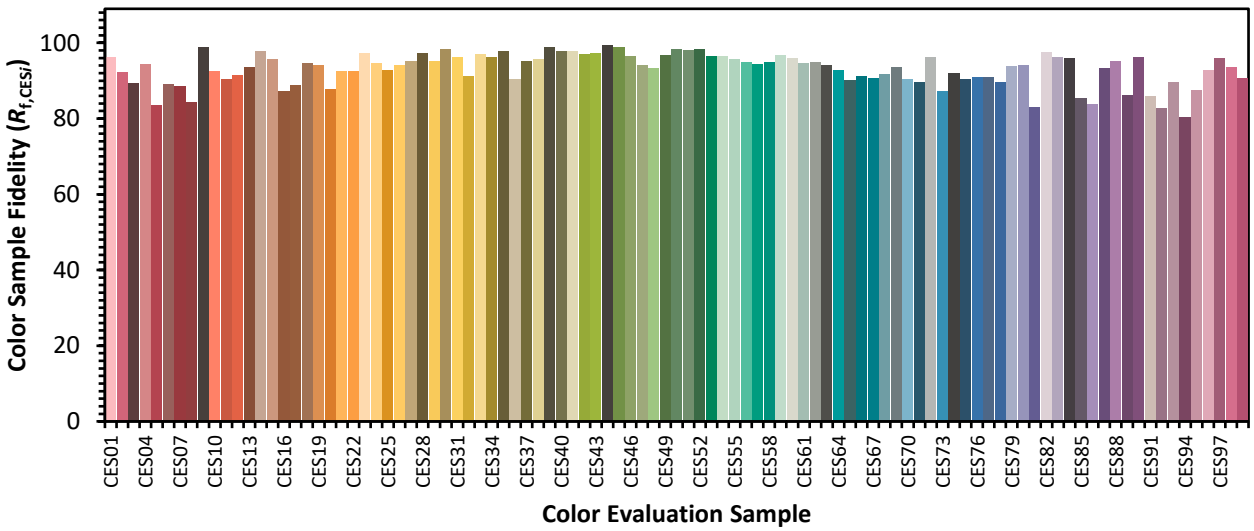
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Peachtree City, GA 30269

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

| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 94 | CES51 = 98 | CES76 = 91 |
| CES02 = 64 | CES27 = 95 | CES52 = 98 | CES77 = 91 |
| CES03 = 32 | CES28 = 97 | CES53 = 96 | CES78 = 90 |
| CES04 = 70 | CES29 = 95 | CES54 = 96 | CES79 = 94 |
| CES05 = 51 | CES30 = 98 | CES55 = 96 | CES80 = 94 |
| CES06 = 52 | CES31 = 96 | CES56 = 95 | CES81 = 83 |
| CES07 = 44 | CES32 = 91 | CES57 = 94 | CES82 = 97 |
| CES08 = 43 | CES33 = 97 | CES58 = 95 | CES83 = 96 |
| CES09 = 29 | CES34 = 96 | CES59 = 97 | CES84 = 96 |
| CES10 = 76 | CES35 = 98 | CES60 = 96 | CES85 = 85 |
| CES11 = 59 | CES36 = 91 | CES61 = 95 | CES86 = 84 |
| CES12 = 66 | CES37 = 95 | CES62 = 95 | CES87 = 93 |
| CES13 = 44 | CES38 = 96 | CES63 = 94 | CES88 = 95 |
| CES14 = 74 | CES39 = 99 | CES64 = 93 | CES89 = 86 |
| CES15 = 72 | CES40 = 98 | CES65 = 90 | CES90 = 96 |
| CES16 = 48 | CES41 = 98 | CES66 = 91 | CES91 = 86 |
| CES17 = 50 | CES42 = 97 | CES67 = 91 | CES92 = 83 |
| CES18 = 57 | CES43 = 97 | CES68 = 92 | CES93 = 90 |
| CES19 = 72 | CES44 = 99 | CES69 = 94 | CES94 = 80 |
| CES20 = 68 | CES45 = 99 | CES70 = 90 | CES95 = 87 |
| CES21 = 87 | CES46 = 96 | CES71 = 90 | CES96 = 93 |
| CES22 = 79 | CES47 = 94 | CES72 = 96 | CES97 = 96 |
| CES23 = 92 | CES48 = 93 | CES73 = 87 | CES98 = 94 |
| CES24 = 91 | CES49 = 97 | CES74 = 92 | CES99 = 91 |
| CES25 = 72 | CES50 = 98 | CES75 = 90 | |

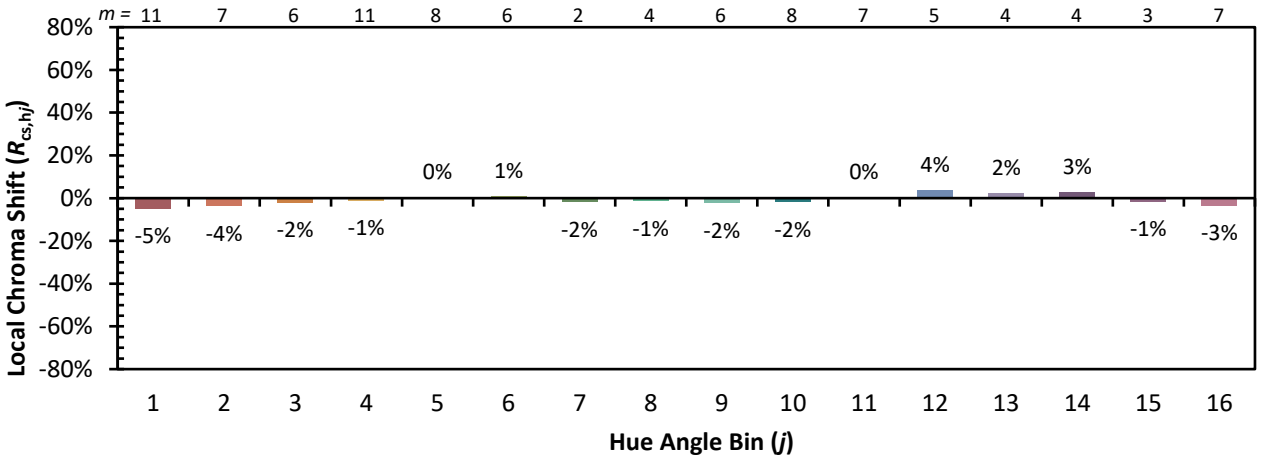


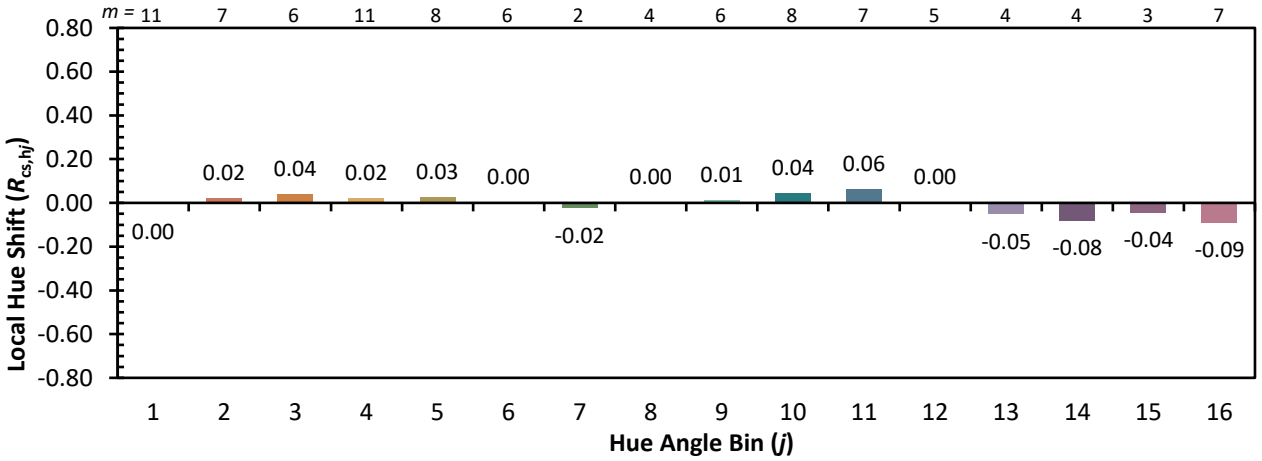
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Peachtree City, GA 30269

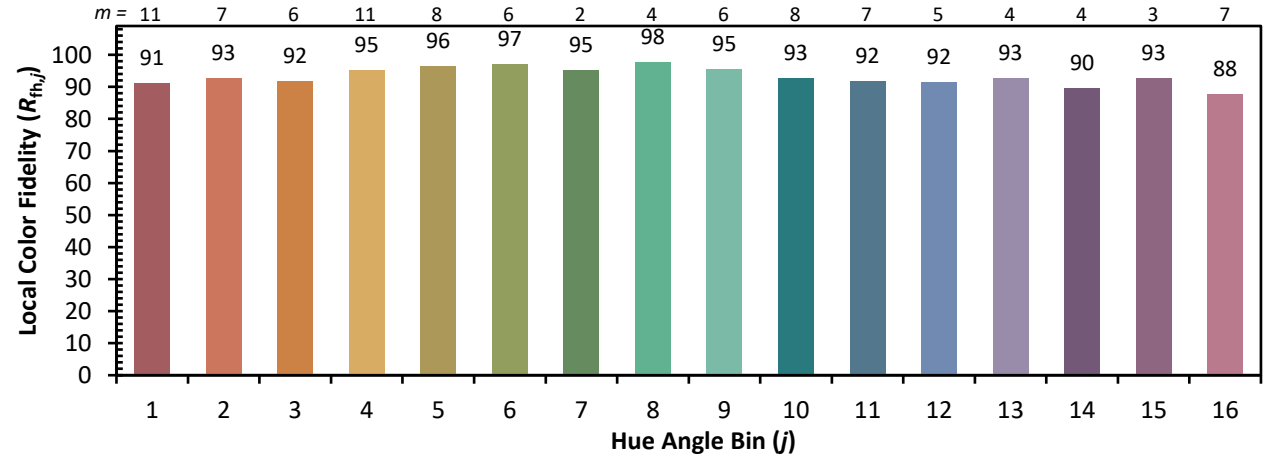
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## Color Rendition by Hue-Angle Bin



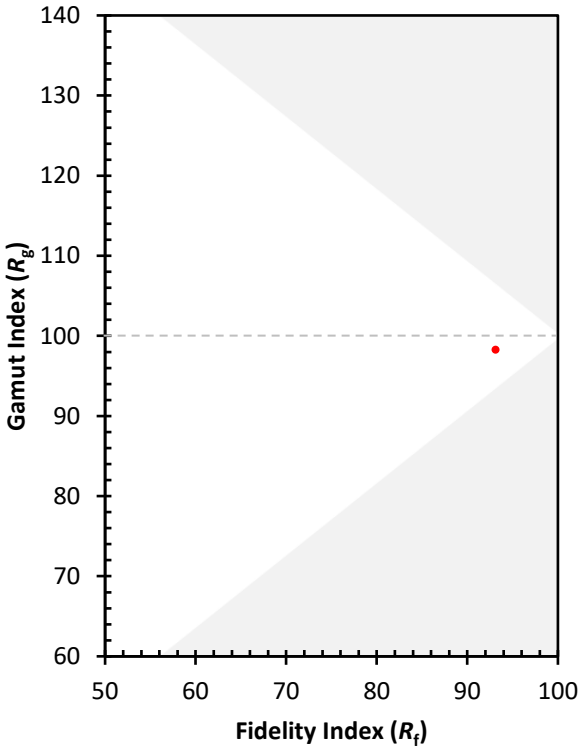



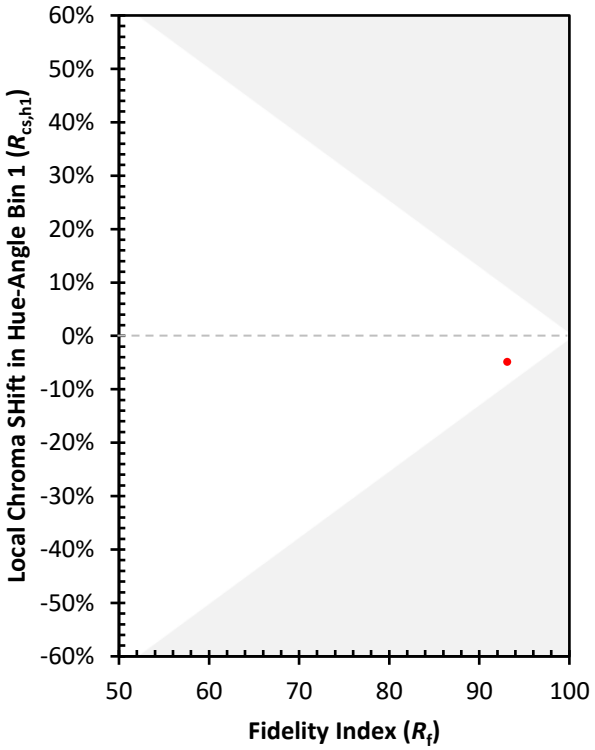
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### Measure Comparisons




(END OF REPORT)