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: P1501503

Luminaire Tested: GSS-SB3C-827-U-T2LG

Issue Date: 07/20/2026

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501503 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3C-827-U-T2LG |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE |
| Light Source: | (78) 2700K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 18037.1 lumens |
| Efficiency: | N/A |
| Efficacy: | 120.2 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B3 - U0 - G3 |

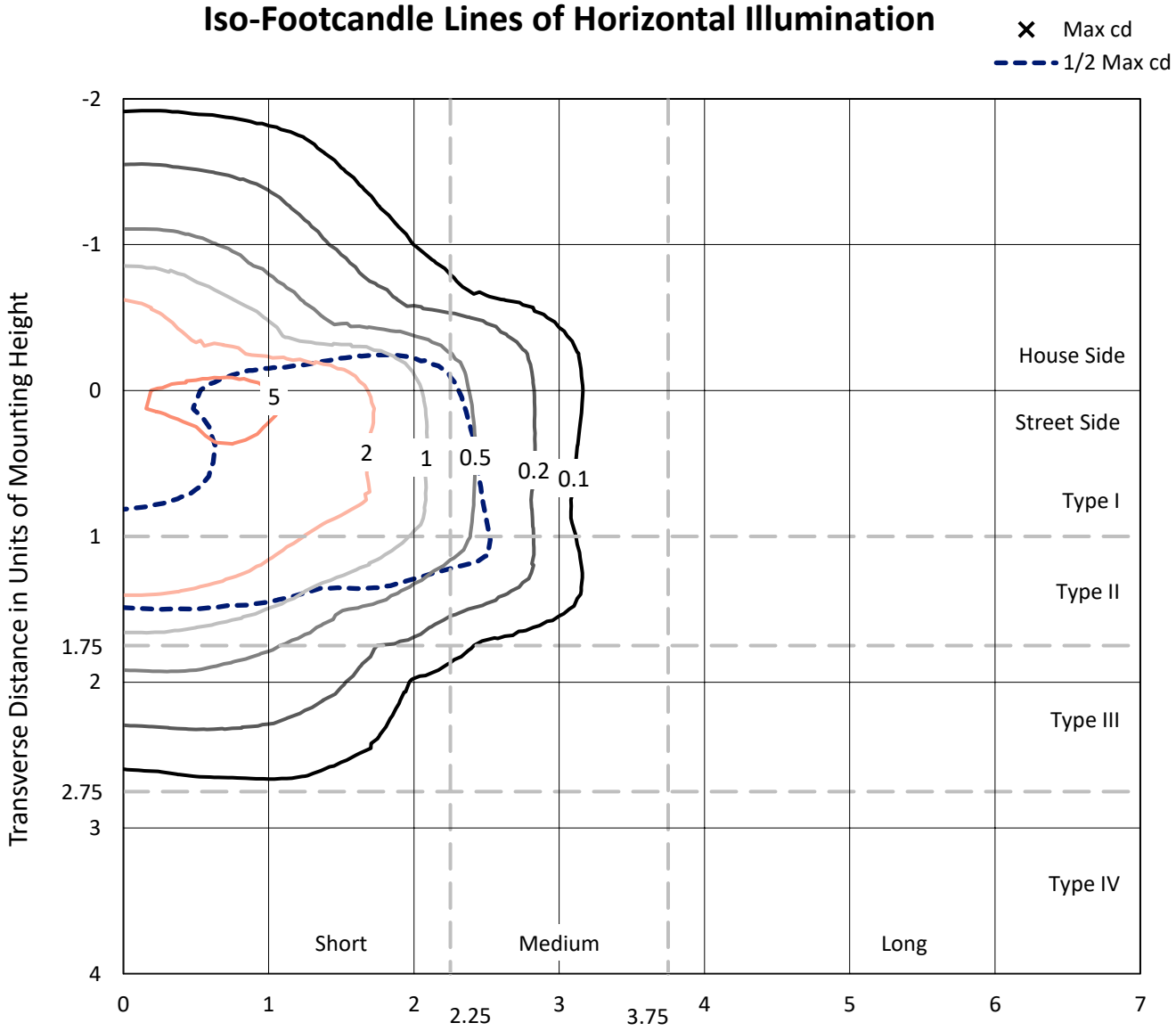
| | |
|---|---|
| Input Watts (W): | 150 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 6.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



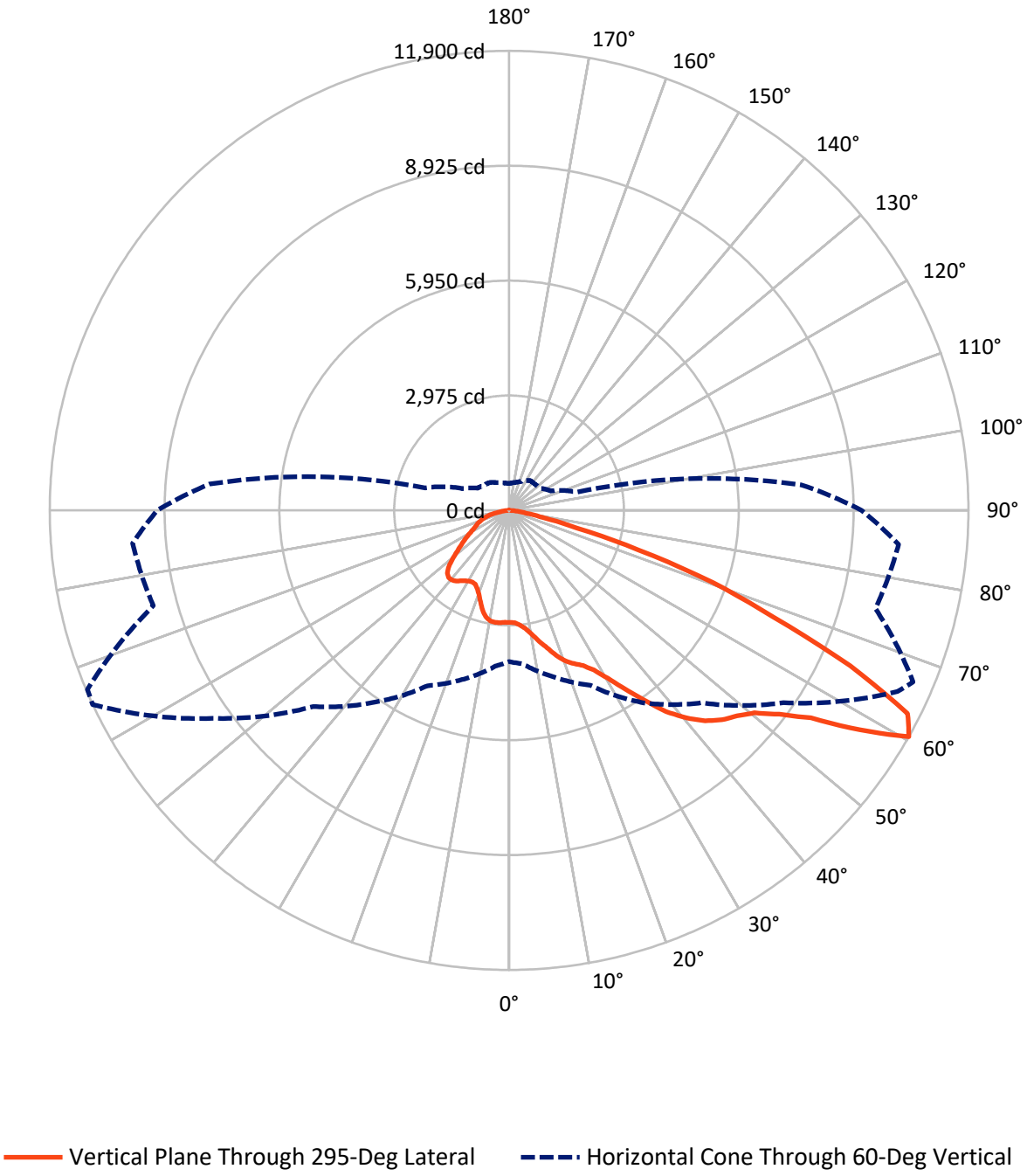

Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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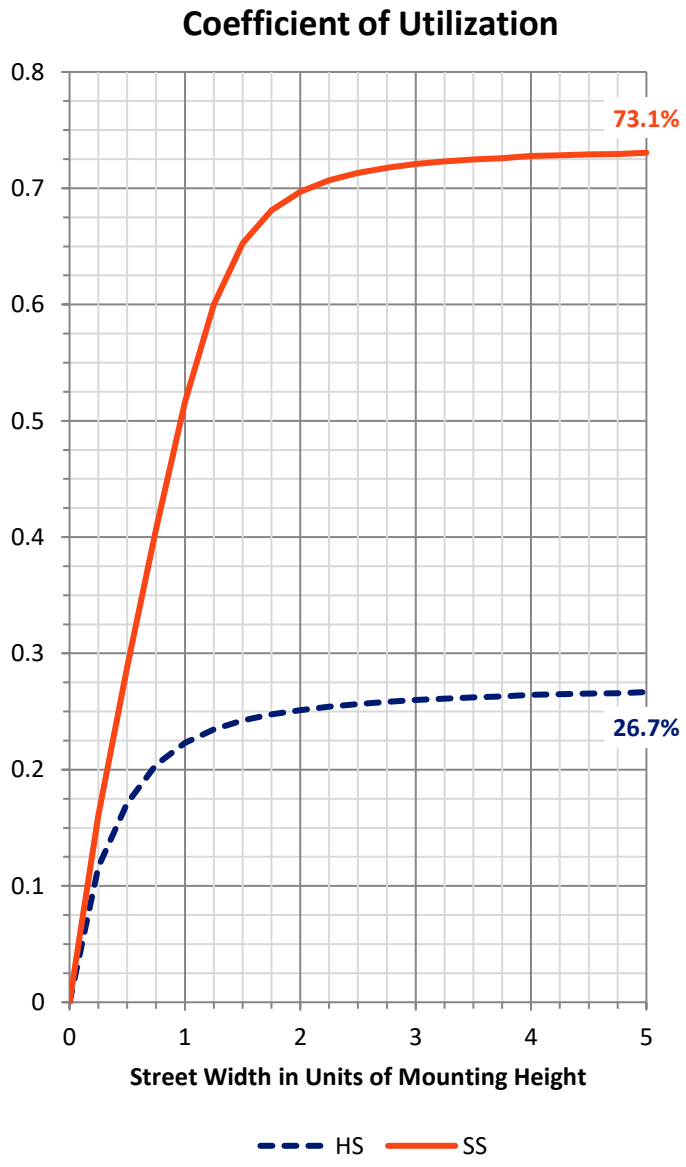
REPORT NUMBER: P1501503
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4850.4 | 0.0 | 4850.4 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 13186.7 | 0.0 | 13186.7 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 18037.1 | 0.0 | 18037.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 272.9 | 1.5 |
| 10°-20° | 784.4 | 4.3 |
| 20°-30° | 1485.8 | 8.2 |
| 30°-40° | 2619.3 | 14.5 |
| 40°-50° | 3873.7 | 21.5 |
| 50°-60° | 4548.8 | 25.2 |
| 60°-70° | 3295.8 | 18.3 |
| 70°-80° | 1016.4 | 5.6 |
| 80°-90° | 139.9 | 0.8 |
| 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° | 18037.1 | 100.0 |
| 0°-180° | 18037.1 | 100.0 |



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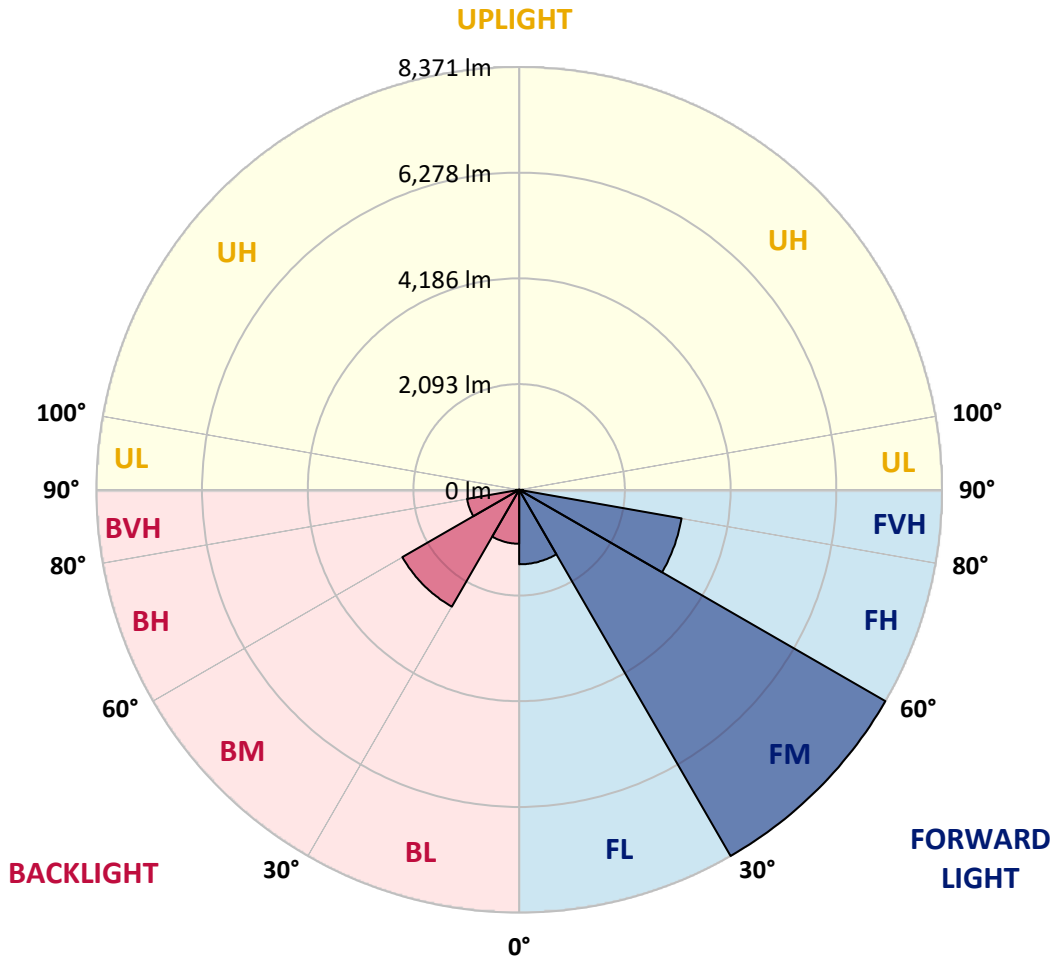
Scaled Data Report

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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°) | 1474.8 | 8.2 | | | |
| FM | (30°-60°) | 8371.1 | 46.4 | | | |
| FH | (60°-80°) | 3265.3 | 18.1 | | | G2/5000 |
| FVH | (80°-90°) | 75.5 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 1068.2 | 5.9 | B3/2500 | | |
| BM | (30°-60°) | 2670.8 | 14.8 | B3/5000 | | |
| BH | (60°-80°) | 1047.0 | 5.8 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 64.4 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B3-U0-G3**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 |
| 2.5° | 2959.6 | 2967.8 | 2955.5 | 2963.7 | 2963.7 | 2951.4 | 2947.3 | 2930.9 | 2939.1 | 2935.0 | 2930.9 |
| 5° | 3029.5 | 3033.6 | 3025.4 | 3037.7 | 3037.7 | 3041.8 | 3037.7 | 3017.2 | 3017.2 | 3017.2 | 3009.0 |
| 7.5° | 3009.0 | 3009.0 | 3013.1 | 3054.2 | 3095.3 | 3148.7 | 3148.7 | 3140.5 | 3148.7 | 3144.6 | 3107.6 |
| 10° | 2836.3 | 2852.8 | 2889.7 | 2992.5 | 3091.2 | 3206.3 | 3284.4 | 3309.0 | 3309.0 | 3313.1 | 3251.5 |
| 12.5° | 2528.0 | 2540.3 | 2626.7 | 2782.9 | 2988.4 | 3198.0 | 3387.1 | 3510.4 | 3522.8 | 3543.3 | 3461.1 |
| 15° | 2252.6 | 2260.8 | 2322.5 | 2482.8 | 2717.1 | 3087.1 | 3444.7 | 3699.5 | 3740.6 | 3827.0 | 3703.6 |
| 17.5° | 2277.3 | 2273.2 | 2289.6 | 2351.3 | 2519.8 | 2906.2 | 3432.3 | 3921.5 | 3995.5 | 4147.6 | 4040.7 |
| 20° | 2425.3 | 2425.3 | 2437.6 | 2449.9 | 2511.6 | 2774.7 | 3341.9 | 4102.4 | 4246.2 | 4542.2 | 4418.9 |
| 22.5° | 2659.6 | 2659.6 | 2655.4 | 2676.0 | 2676.0 | 2832.2 | 3346.0 | 4238.0 | 4451.8 | 4982.0 | 4862.8 |
| 25° | 2984.3 | 2967.8 | 2967.8 | 2976.1 | 2939.1 | 3050.1 | 3448.8 | 4377.8 | 4657.3 | 5504.1 | 5401.3 |
| 27.5° | 3350.1 | 3362.5 | 3354.2 | 3325.5 | 3276.1 | 3362.5 | 3695.4 | 4595.6 | 4887.5 | 6054.9 | 6013.8 |
| 30° | 3748.9 | 3753.0 | 3761.2 | 3744.8 | 3703.6 | 3765.3 | 4081.8 | 4924.5 | 5191.7 | 6630.4 | 6720.8 |
| 32.5° | 4139.4 | 4196.9 | 4176.4 | 4135.3 | 4151.7 | 4262.7 | 4558.6 | 5368.4 | 5643.8 | 7164.8 | 7485.4 |
| 35° | 4636.7 | 4657.3 | 4739.5 | 4587.4 | 4591.5 | 4780.6 | 5167.0 | 5952.1 | 6219.3 | 7719.7 | 8250.0 |
| 37.5° | 5360.2 | 5397.2 | 5360.2 | 5121.8 | 5084.8 | 5347.9 | 5758.9 | 6527.6 | 6720.8 | 8139.0 | 8961.1 |
| 40° | 6071.3 | 6116.6 | 6178.2 | 5898.7 | 5664.4 | 5882.3 | 6318.0 | 6967.5 | 7168.9 | 8369.2 | 9433.8 |
| 42.5° | 6659.2 | 6733.2 | 6667.4 | 6585.2 | 6371.4 | 6412.5 | 6708.5 | 7308.6 | 7510.1 | 8661.0 | 9910.6 |
| 45° | 7156.5 | 7168.9 | 7197.6 | 7140.1 | 7033.2 | 6996.2 | 7041.4 | 7608.7 | 7830.7 | 8792.6 | 10144.9 |
| 47.5° | 7362.1 | 7415.5 | 7440.2 | 7538.8 | 7649.8 | 7575.8 | 7325.1 | 7748.5 | 7949.9 | 8784.3 | 10218.9 |
| 50° | 7251.1 | 7304.5 | 7436.1 | 7670.4 | 7937.6 | 8069.1 | 7658.0 | 7941.7 | 8167.7 | 8932.3 | 10371.0 |
| 52.5° | 6959.2 | 7016.8 | 7230.5 | 7497.7 | 7945.8 | 8245.9 | 8126.6 | 8344.5 | 8562.4 | 9195.4 | 10625.9 |
| 55° | 6252.2 | 6338.5 | 6638.6 | 7082.6 | 7699.1 | 8151.3 | 8619.9 | 8936.4 | 9174.8 | 9511.9 | 10889.0 |
| 57.5° | 5224.6 | 5315.0 | 5652.1 | 6318.0 | 7242.9 | 7760.8 | 8763.8 | 10046.3 | 10153.2 | 9890.1 | 10913.6 |
| 60° | *3913.3* | *3987.3* | *4464.1* | *4998.5* | *6083.7* | *7045.6* | *8681.6* | *11098.6* | *11369.9* | *9824.3* | *10128.5* |
| 62.5° | 3099.4 | 3189.8 | 3613.2 | 3859.8 | 4636.7 | 5820.6 | 8393.8 | 11390.5 | 11624.8 | 9281.7 | 9035.1 |
| 65° | 2421.1 | 2482.8 | 2877.4 | 3230.9 | 3420.0 | 3974.9 | 7193.5 | 9964.1 | 10173.7 | 8397.9 | 7456.6 |
| 67.5° | 1599.0 | 1693.6 | 2162.2 | 2647.2 | 2745.9 | 2528.0 | 4949.2 | 7666.3 | 7764.9 | 6675.6 | 5606.8 |
| 70° | 1146.9 | 1192.1 | 1541.5 | 2059.4 | 2207.4 | 1693.6 | 2696.5 | 5804.2 | 5832.9 | 4480.5 | 3777.6 |
| 72.5° | 781.0 | 789.2 | 1048.2 | 1578.5 | 1759.3 | 1229.1 | 1483.9 | 3822.9 | 3724.2 | 2211.5 | 2162.2 |
| 75° | 530.3 | 538.5 | 670.0 | 1052.3 | 1245.5 | 855.0 | 966.0 | 2084.1 | 2001.9 | 1220.8 | 1311.3 |
| 77.5° | 357.6 | 365.8 | 460.4 | 707.0 | 830.3 | 591.9 | 707.0 | 1101.6 | 1081.1 | 809.8 | 702.9 |
| 80° | 271.3 | 283.6 | 341.2 | 452.2 | 579.6 | 345.3 | 402.8 | 522.0 | 530.3 | 431.6 | 357.6 |
| 82.5° | 152.1 | 168.5 | 205.5 | 230.2 | 374.1 | 193.2 | 193.2 | 312.4 | 300.1 | 267.2 | 193.2 |
| 85° | 65.8 | 69.9 | 82.2 | 86.3 | 152.1 | 82.2 | 69.9 | 135.6 | 139.8 | 131.5 | 61.7 |
| 87.5° | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 16.4 | 16.4 | 16.4 | 16.4 |
| 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° | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 |
| 2.5° | 2910.3 | 2935.0 | 2910.3 | 2898.0 | 2898.0 | 2877.4 | 2869.2 | 2869.2 | 2840.4 | 2852.8 | 2844.5 |
| 5° | 2976.1 | 2984.3 | 2955.5 | 2918.5 | 2869.2 | 2828.1 | 2770.5 | 2696.5 | 2651.3 | 2647.2 | 2651.3 |
| 7.5° | 3078.8 | 3082.9 | 3004.8 | 2922.6 | 2799.3 | 2651.3 | 2474.6 | 2330.7 | 2203.3 | 2182.7 | 2207.4 |
| 10° | 3222.7 | 3214.5 | 3099.4 | 2906.2 | 2647.2 | 2334.8 | 2063.5 | 1932.0 | 1858.0 | 1853.9 | 1849.8 |
| 12.5° | 3415.9 | 3362.5 | 3185.7 | 2836.3 | 2384.1 | 2022.4 | 1882.7 | 1874.4 | 1895.0 | 1911.4 | 1915.5 |
| 15° | 3637.9 | 3568.0 | 3255.6 | 2700.7 | 2117.0 | 1907.3 | 1915.5 | 1985.4 | 2010.1 | 2026.5 | 2026.5 |
| 17.5° | 3913.3 | 3822.9 | 3333.7 | 2507.5 | 1981.3 | 1932.0 | 1989.5 | 2055.3 | 2096.4 | 2112.8 | 2108.7 |
| 20° | 4279.1 | 4090.0 | 3395.4 | 2322.5 | 1944.3 | 1973.1 | 2022.4 | 2088.2 | 2129.3 | 2149.8 | 2149.8 |
| 22.5° | 4645.0 | 4410.7 | 3407.7 | 2195.1 | 1944.3 | 1977.2 | 2022.4 | 2088.2 | 2133.4 | 2154.0 | 2149.8 |
| 25° | 5142.4 | 4821.7 | 3411.8 | 2104.6 | 1948.4 | 1956.6 | 1997.7 | 2055.3 | 2121.1 | 2141.6 | 2149.8 |
| 27.5° | 5672.6 | 5273.9 | 3432.3 | 2084.1 | 1932.0 | 1927.9 | 1956.6 | 2010.1 | 2075.8 | 2129.3 | 2133.4 |
| 30° | 6330.3 | 5783.6 | 3440.6 | 2104.6 | 1936.1 | 1882.7 | 1903.2 | 1956.6 | 2026.5 | 2080.0 | 2096.4 |
| 32.5° | 6975.7 | 6256.3 | 3424.1 | 2149.8 | 1944.3 | 1853.9 | 1858.0 | 1890.9 | 1964.9 | 2001.9 | 2030.6 |
| 35° | 7658.0 | 6757.8 | 3395.4 | 2211.5 | 1948.4 | 1841.5 | 1804.6 | 1821.0 | 1870.3 | 1874.4 | 1886.8 |
| 37.5° | 8192.4 | 7131.9 | 3309.0 | 2293.7 | 1956.6 | 1796.3 | 1722.3 | 1710.0 | 1689.5 | 1648.3 | 1656.6 |
| 40° | 8632.2 | 7382.6 | 3165.2 | 2334.8 | 1936.1 | 1742.9 | 1619.6 | 1562.0 | 1483.9 | 1422.3 | 1434.6 |
| 42.5° | 8948.8 | 7551.2 | 2992.5 | 2343.0 | 1903.2 | 1652.5 | 1500.4 | 1401.7 | 1315.4 | 1249.6 | 1253.7 |
| 45° | 9088.5 | 7534.7 | 2807.5 | 2281.4 | 1825.1 | 1541.5 | 1389.4 | 1294.8 | 1200.3 | 1130.4 | 1122.2 |
| 47.5° | 9092.6 | 7374.4 | 2552.7 | 2133.4 | 1693.6 | 1414.0 | 1286.6 | 1183.9 | 1105.7 | 1056.4 | 1052.3 |
| 50° | 9125.5 | 7284.0 | 2314.3 | 1919.6 | 1520.9 | 1278.4 | 1196.2 | 1093.4 | 1048.2 | 978.3 | 957.8 |
| 52.5° | 9331.0 | 7432.0 | 2149.8 | 1685.3 | 1360.6 | 1179.7 | 1118.1 | 1027.6 | 953.7 | 908.4 | 904.3 |
| 55° | 9664.0 | 7686.8 | 2059.4 | 1508.6 | 1208.5 | 1085.2 | 1044.1 | 966.0 | 900.2 | 855.0 | 842.7 |
| 57.5° | 9705.1 | 7818.3 | 1952.5 | 1344.2 | 1085.2 | 1011.2 | 994.8 | 908.4 | 813.9 | 781.0 | 768.7 |
| 60° | *9129.6* | *7596.4* | *1821.0* | *1192.1* | *994.8* | *953.7* | *945.4* | *830.3* | *752.2* | *711.1* | *694.7* |
| 62.5° | 8344.5 | 7041.4 | 1619.6 | 1052.3 | 924.9 | 896.1 | 863.2 | 772.8 | 674.1 | 628.9 | 616.6 |
| 65° | 6819.5 | 5919.3 | 1377.0 | 957.8 | 855.0 | 822.1 | 813.9 | 690.6 | 624.8 | 600.1 | 596.0 |
| 67.5° | 5167.0 | 4756.0 | 1212.6 | 887.9 | 781.0 | 768.7 | 739.9 | 698.8 | 670.0 | 641.3 | 633.0 |
| 70° | 3654.3 | 3432.3 | 1031.8 | 797.5 | 707.0 | 686.5 | 805.7 | 760.5 | 657.7 | 620.7 | 616.6 |
| 72.5° | 2215.6 | 2154.0 | 892.0 | 715.2 | 608.4 | 641.3 | 744.0 | 686.5 | 591.9 | 546.7 | 530.3 |
| 75° | 1397.6 | 1278.4 | 748.1 | 608.4 | 485.1 | 522.0 | 649.5 | 612.5 | 509.7 | 464.5 | 452.2 |
| 77.5° | 760.5 | 707.0 | 563.2 | 497.4 | 382.3 | 423.4 | 567.3 | 505.6 | 406.9 | 443.9 | 394.6 |
| 80° | 333.0 | 370.0 | 374.1 | 287.7 | 254.9 | 312.4 | 406.9 | 394.6 | 312.4 | 316.5 | 263.1 |
| 82.5° | 160.3 | 209.6 | 242.5 | 197.3 | 143.9 | 185.0 | 271.3 | 226.1 | 209.6 | 197.3 | 189.1 |
| 85° | 49.3 | 78.1 | 106.9 | 94.5 | 65.8 | 78.1 | 127.4 | 123.3 | 148.0 | 127.4 | 119.2 |
| 87.5° | 16.4 | 16.4 | 12.3 | 12.3 | 12.3 | 16.4 | 20.6 | 12.3 | 4.1 | 4.1 | 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° | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 |
| 2.5° | 2840.4 | 2844.5 | 2844.5 | 2848.6 | 2848.6 | 2861.0 | 2877.4 | 2893.9 | 2881.5 | 2898.0 | 2902.1 |
| 5° | 2643.1 | 2663.7 | 2680.1 | 2741.8 | 2791.1 | 2832.2 | 2877.4 | 2918.5 | 2930.9 | 2939.1 | 2959.6 |
| 7.5° | 2178.6 | 2236.2 | 2343.0 | 2482.8 | 2639.0 | 2791.1 | 2893.9 | 3000.7 | 3017.2 | 3037.7 | 3066.5 |
| 10° | 1853.9 | 1878.5 | 1952.5 | 2096.4 | 2375.9 | 2676.0 | 2926.7 | 3095.3 | 3165.2 | 3206.3 | 3235.0 |
| 12.5° | 1907.3 | 1890.9 | 1878.5 | 1899.1 | 2080.0 | 2466.4 | 2906.2 | 3230.9 | 3362.5 | 3407.7 | 3444.7 |
| 15° | 2034.7 | 2018.3 | 1973.1 | 1915.5 | 1936.1 | 2244.4 | 2836.3 | 3358.4 | 3568.0 | 3642.0 | 3720.1 |
| 17.5° | 2108.7 | 2092.3 | 2055.3 | 1993.6 | 1940.2 | 2059.4 | 2704.8 | 3473.5 | 3892.7 | 3983.2 | 4094.2 |
| 20° | 2149.8 | 2133.4 | 2096.4 | 2034.7 | 1973.1 | 1989.5 | 2536.2 | 3617.3 | 4262.7 | 4406.6 | 4571.0 |
| 22.5° | 2158.1 | 2137.5 | 2096.4 | 2034.7 | 1997.7 | 1985.4 | 2375.9 | 3703.6 | 4661.4 | 4883.4 | 5072.5 |
| 25° | 2154.0 | 2117.0 | 2063.5 | 2018.3 | 1997.7 | 1993.6 | 2264.9 | 3753.0 | 5093.0 | 5446.5 | 5660.3 |
| 27.5° | 2125.2 | 2080.0 | 2026.5 | 1993.6 | 1985.4 | 2010.1 | 2215.6 | 3810.5 | 5598.6 | 6050.8 | 6392.0 |
| 30° | 2092.3 | 2026.5 | 1960.8 | 1948.4 | 1969.0 | 2047.1 | 2256.7 | 3831.1 | 6128.9 | 6708.5 | 7057.9 |
| 32.5° | 2006.0 | 1956.6 | 1890.9 | 1886.8 | 1936.1 | 2075.8 | 2351.3 | 3802.3 | 6597.5 | 7366.2 | 7806.0 |
| 35° | 1882.7 | 1853.9 | 1816.9 | 1829.2 | 1907.3 | 2100.5 | 2417.0 | 3711.9 | 7025.0 | 7978.7 | 8492.5 |
| 37.5° | 1664.8 | 1685.3 | 1705.9 | 1734.7 | 1833.3 | 2096.4 | 2445.8 | 3568.0 | 7378.5 | 8467.8 | 9125.5 |
| 40° | 1422.3 | 1492.1 | 1557.9 | 1631.9 | 1763.4 | 2063.5 | 2454.0 | 3391.2 | 7584.0 | 8837.8 | 9688.7 |
| 42.5° | 1270.2 | 1335.9 | 1418.2 | 1525.0 | 1668.9 | 1989.5 | 2445.8 | 3193.9 | 7649.8 | 9092.6 | 10046.3 |
| 45° | 1130.4 | 1208.5 | 1311.3 | 1422.3 | 1586.7 | 1882.7 | 2371.8 | 2980.2 | 7682.7 | 9211.8 | 10198.4 |
| 47.5° | 1056.4 | 1101.6 | 1196.2 | 1307.2 | 1479.8 | 1751.1 | 2227.9 | 2824.0 | 7633.4 | 9236.5 | 10383.4 |
| 50° | 970.1 | 1031.8 | 1093.4 | 1200.3 | 1368.8 | 1586.7 | 2055.3 | 2733.5 | 7715.6 | 9479.0 | 10675.2 |
| 52.5° | 904.3 | 937.2 | 1003.0 | 1101.6 | 1225.0 | 1434.6 | 1890.9 | 2659.6 | 7941.7 | 9725.7 | 10979.4 |
| 55° | 855.0 | 892.0 | 933.1 | 1015.3 | 1109.9 | 1282.5 | 1722.3 | 2548.6 | 8204.7 | 9988.7 | 11283.6 |
| 57.5° | 776.9 | 801.6 | 859.1 | 945.4 | 1007.1 | 1134.5 | 1525.0 | 2417.0 | 8184.2 | 9783.2 | 10757.4 |
| 60° | *707.0* | *731.7* | *793.3* | *879.7* | *916.7* | *1003.0* | *1331.8* | *2248.5* | *7789.6* | *9113.2* | *9787.3* |
| 62.5° | 628.9 | 657.7 | 731.7 | 793.3 | 826.2 | 892.0 | 1130.4 | 1940.2 | 6967.5 | 8106.1 | 8652.8 |
| 65° | 596.0 | 612.5 | 661.8 | 735.8 | 731.7 | 793.3 | 953.7 | 1525.0 | 5606.8 | 6194.7 | 6692.0 |
| 67.5° | 633.0 | 657.7 | 649.5 | 670.0 | 657.7 | 690.6 | 855.0 | 1225.0 | 4406.6 | 4665.5 | 4953.3 |
| 70° | 624.8 | 682.4 | 711.1 | 670.0 | 575.5 | 612.5 | 739.9 | 978.3 | 3152.8 | 3128.2 | 3115.8 |
| 72.5° | 546.7 | 604.3 | 686.5 | 727.6 | 563.2 | 509.7 | 641.3 | 846.8 | 2022.4 | 2014.2 | 1821.0 |
| 75° | 464.5 | 505.6 | 604.3 | 657.7 | 485.1 | 411.1 | 550.8 | 719.4 | 1208.5 | 1225.0 | 1093.4 |
| 77.5° | 427.5 | 406.9 | 505.6 | 579.6 | 394.6 | 316.5 | 443.9 | 542.6 | 665.9 | 674.1 | 624.8 |
| 80° | 308.3 | 296.0 | 378.2 | 423.4 | 300.1 | 226.1 | 250.7 | 337.1 | 357.6 | 320.6 | 333.0 |
| 82.5° | 197.3 | 201.4 | 226.1 | 271.3 | 185.0 | 123.3 | 172.6 | 226.1 | 193.2 | 156.2 | 185.0 |
| 85° | 127.4 | 143.9 | 119.2 | 139.8 | 57.5 | 57.5 | 74.0 | 98.7 | 65.8 | 45.2 | 49.3 |
| 87.5° | 0.0 | 0.0 | 8.2 | 16.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1501503
CATALOG NUMBER: GSS-SB3C-827-U-T2LG

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2902.1 | 2902.1 | *2902.1* | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 | 2902.1 |
| 2.5° | 2914.4 | 2910.3 | *2910.3* | 2918.5 | 2939.1 | 2947.3 | 2959.6 | 2955.5 | 2967.8 | 2959.6 |
| 5° | 2972.0 | 2976.1 | *2988.4* | 2992.5 | 3004.8 | 3021.3 | 3025.4 | 3021.3 | 3029.5 | 3029.5 |
| 7.5° | 3087.1 | 3103.5 | *3095.3* | 3115.8 | 3099.4 | 3078.8 | 3046.0 | 3021.3 | 3000.7 | 3009.0 |
| 10° | 3280.3 | 3272.0 | *3267.9* | 3230.9 | 3156.9 | 3050.1 | 2963.7 | 2869.2 | 2852.8 | 2836.3 |
| 12.5° | 3494.0 | 3485.8 | *3485.8* | 3358.4 | 3148.7 | 2926.7 | 2729.4 | 2581.5 | 2532.1 | 2528.0 |
| 15° | 3794.1 | 3740.6 | *3691.3* | 3424.1 | 3004.8 | 2626.7 | 2396.5 | 2281.4 | 2252.6 | 2252.6 |
| 17.5° | 4168.1 | 4028.4 | *3946.2* | 3374.8 | 2770.5 | 2429.4 | 2293.7 | 2264.9 | 2256.7 | 2277.3 |
| 20° | 4632.6 | 4279.1 | *4159.9* | 3263.8 | 2684.2 | 2454.0 | 2388.3 | 2392.4 | 2396.5 | 2425.3 |
| 22.5° | 5142.4 | 4509.3 | *4312.0* | 3263.8 | 2770.5 | 2610.2 | 2577.3 | 2622.6 | 2634.9 | 2659.6 |
| 25° | 5709.6 | 4714.9 | *4447.7* | 3436.5 | 3025.4 | 2906.2 | 2865.1 | 2910.3 | 2943.2 | 2984.3 |
| 27.5° | 6346.8 | 4928.6 | *4682.0* | 3748.9 | 3354.2 | 3280.3 | 3235.0 | 3255.6 | 3300.8 | 3350.1 |
| 30° | 6918.1 | 5286.2 | *5039.6* | 4225.7 | 3802.3 | 3711.9 | 3633.8 | 3666.6 | 3716.0 | 3748.9 |
| 32.5° | 7423.7 | 5721.9 | *5512.3* | 4727.2 | 4316.1 | 4159.9 | 4073.6 | 4065.4 | 4164.0 | 4139.4 |
| 35° | 7888.2 | 6235.8 | *6034.4* | 5298.6 | 4838.2 | 4645.0 | 4529.9 | 4677.9 | 4612.1 | 4636.7 |
| 37.5° | 8254.1 | 6770.1 | *6609.8* | 5845.3 | 5380.8 | 5117.7 | 5047.8 | 5228.7 | 5331.4 | 5360.2 |
| 40° | 8554.1 | 7234.6 | *7066.1* | 6387.9 | 5878.1 | 5685.0 | 5795.9 | 6096.0 | 6083.7 | 6071.3 |
| 42.5° | 8784.3 | 7633.4 | *7448.4* | 6798.9 | 6355.0 | 6392.0 | 6478.3 | 6679.7 | 6729.0 | 6659.2 |
| 45° | 8887.1 | 7884.1 | *7736.1* | 7123.7 | 6897.6 | 7111.3 | 7148.3 | 7234.6 | 7201.8 | 7156.5 |
| 47.5° | 9006.3 | 8106.1 | *7949.9* | 7419.6 | 7485.4 | 7695.0 | 7621.0 | 7551.2 | 7432.0 | 7362.1 |
| 50° | 9207.7 | 8369.2 | *8237.6* | 7851.2 | 8089.6 | 8019.8 | 7732.0 | 7575.8 | 7333.3 | 7251.1 |
| 52.5° | 9590.0 | 8866.6 | *8767.9* | 8533.6 | 8373.3 | 7970.4 | 7621.0 | 7341.5 | 7070.2 | 6959.2 |
| 55° | 9931.2 | 9540.7 | *9483.1* | 9170.7 | 8287.0 | 7711.5 | 7242.9 | 6811.3 | 6346.8 | 6252.2 |
| 57.5° | 10128.5 | 10658.8 | *10724.5* | 9442.0 | 7892.3 | 7123.7 | 6433.1 | 5742.5 | 5302.7 | 5224.6 |
| 60° | *9540.7* | *11867.3* | *11900.2* | *9388.6* | *7181.2* | *6063.1* | *5010.8* | *4521.7* | *4048.9* | *3913.3* |
| 62.5° | 8730.9 | 11616.5 | *11587.8* | 9068.0 | 5717.8 | 4423.0 | 3806.4 | 3576.2 | 3210.4 | 3099.4 |
| 65° | 7505.9 | 9676.3 | *9709.2* | 7834.8 | 3802.3 | 3198.0 | 3198.0 | 2906.2 | 2499.2 | 2421.1 |
| 67.5° | 6116.6 | 7460.7 | *7386.7* | 5080.7 | 2334.8 | 2560.9 | 2684.2 | 2264.9 | 1693.6 | 1599.0 |
| 70° | 3974.9 | 5697.3 | *5594.5* | 2930.9 | 1467.5 | 2133.4 | 2112.8 | 1701.8 | 1212.6 | 1146.9 |
| 72.5° | 1710.0 | 3292.6 | *3502.2* | 1496.3 | 1105.7 | 1718.2 | 1685.3 | 1192.1 | 809.8 | 781.0 |
| 75° | 1031.8 | 1656.6 | *1804.6* | 953.7 | 805.7 | 1294.8 | 1167.4 | 756.3 | 550.8 | 530.3 |
| 77.5° | 653.6 | 908.4 | *900.2* | 715.2 | 604.3 | 875.6 | 785.1 | 522.0 | 374.1 | 357.6 |
| 80° | 378.2 | 448.1 | *464.5* | 448.1 | 406.9 | 624.8 | 501.5 | 378.2 | 291.9 | 271.3 |
| 82.5° | 242.5 | 279.5 | *283.6* | 217.9 | 226.1 | 402.8 | 271.3 | 222.0 | 168.5 | 152.1 |
| 85° | 106.9 | 119.2 | *115.1* | 74.0 | 74.0 | 164.4 | 94.5 | 90.4 | 65.8 | 65.8 |
| 87.5° | 4.1 | 8.2 | *4.1* | 4.1 | 4.1 | 16.4 | 8.2 | 12.3 | 12.3 | 12.3 |
| 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

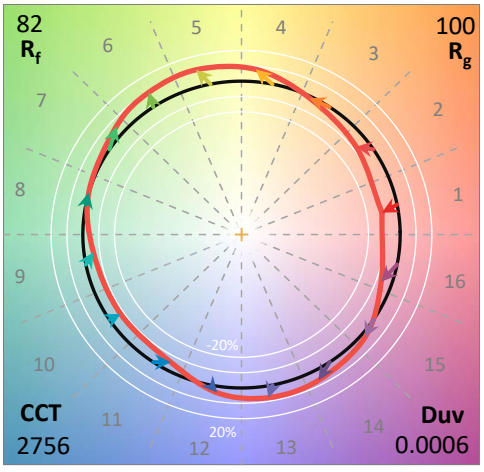
## Test Information

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

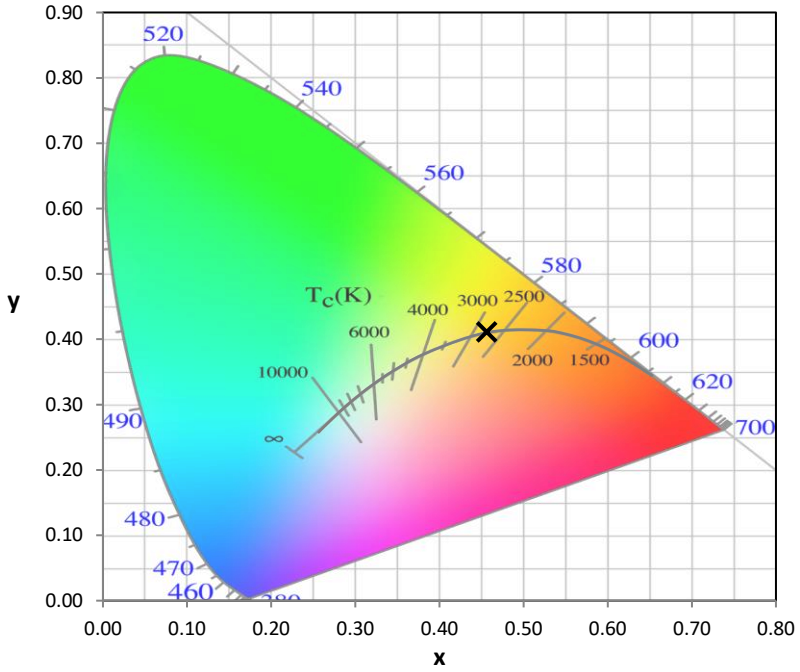
| | |
|---|---|
| Stabilization Time: | 29M |
| Operation Time: | 1H 29M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-8

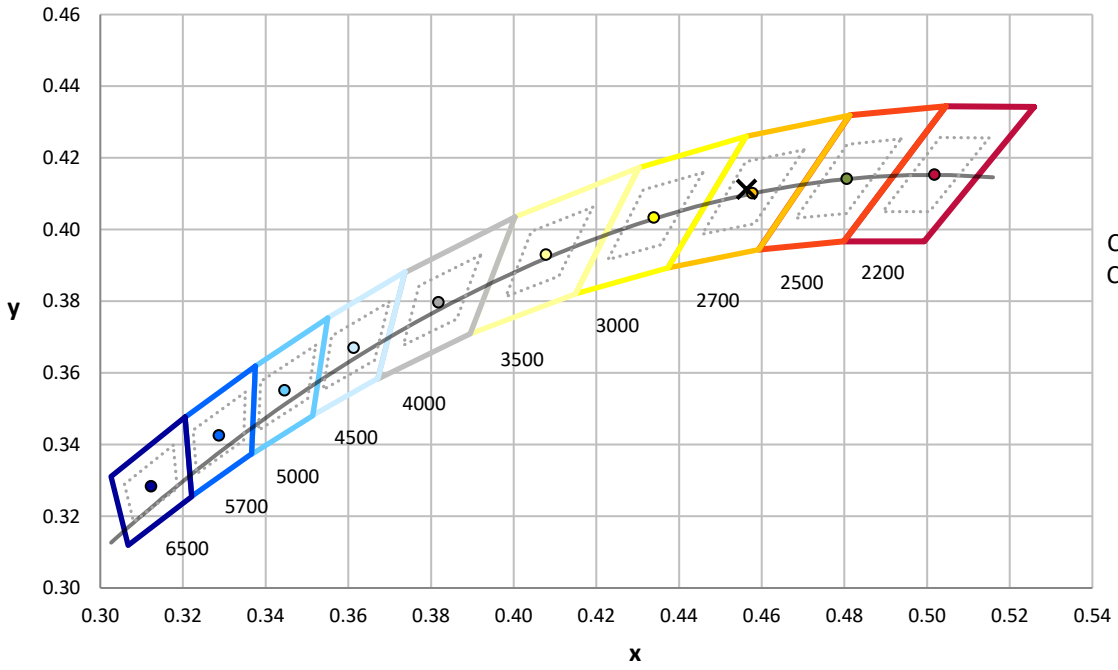
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

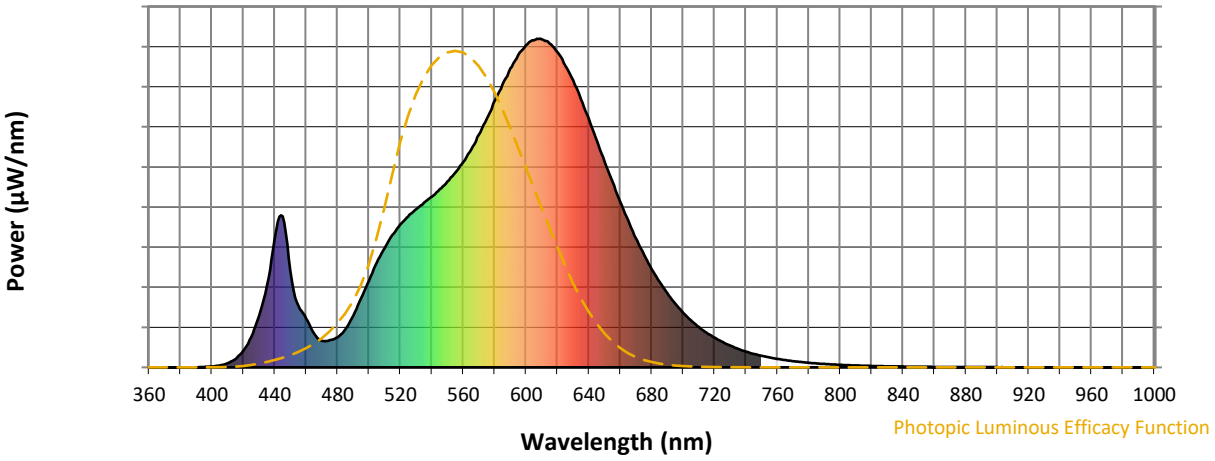



CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

## Photopic Flux vs. Wavelength

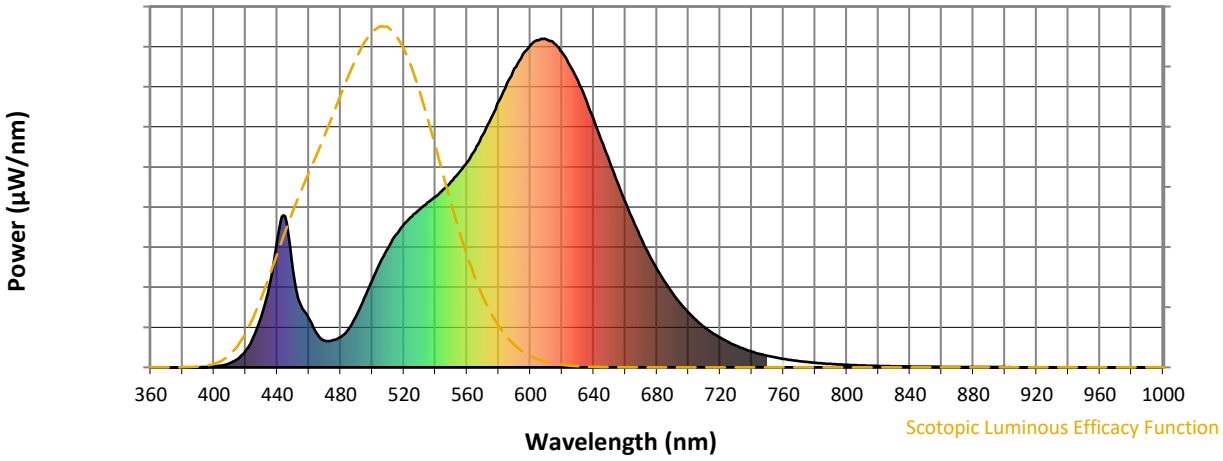



## Photopic Lumens: NR

| 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

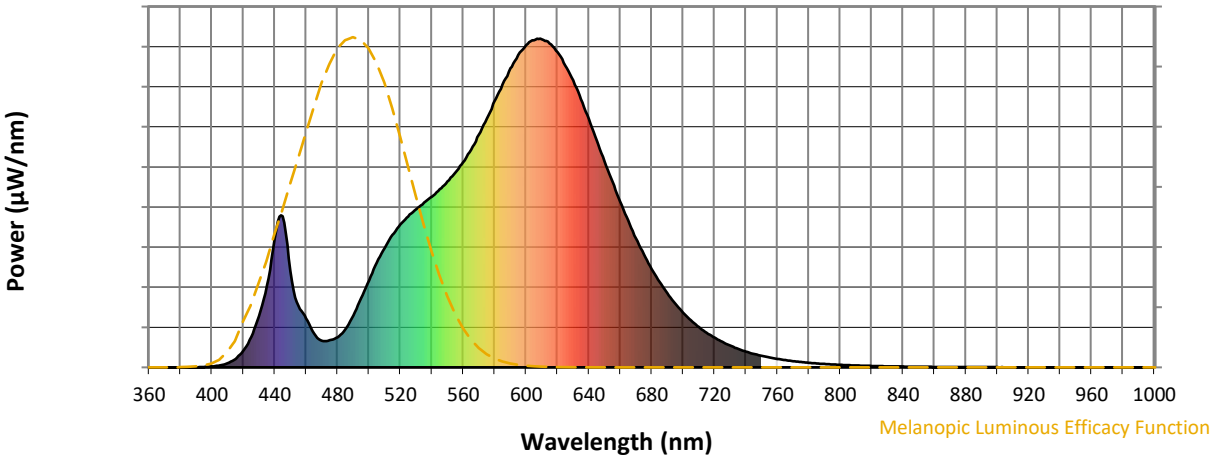



**Scotopic Lumens: NR** **S/P: 1.2**

| 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 | | | |

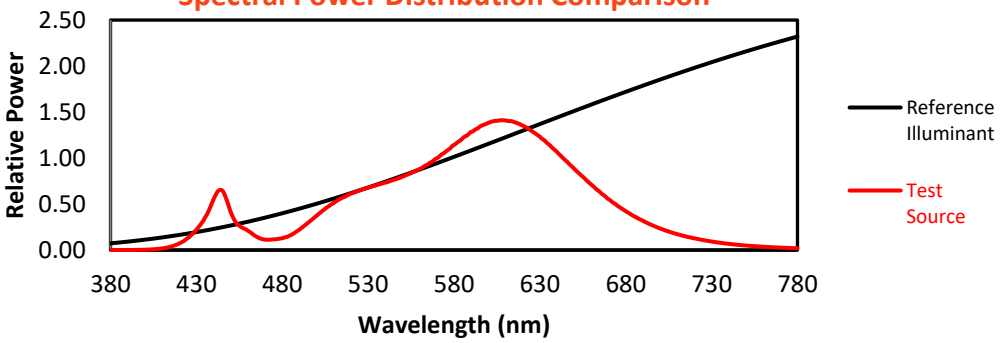
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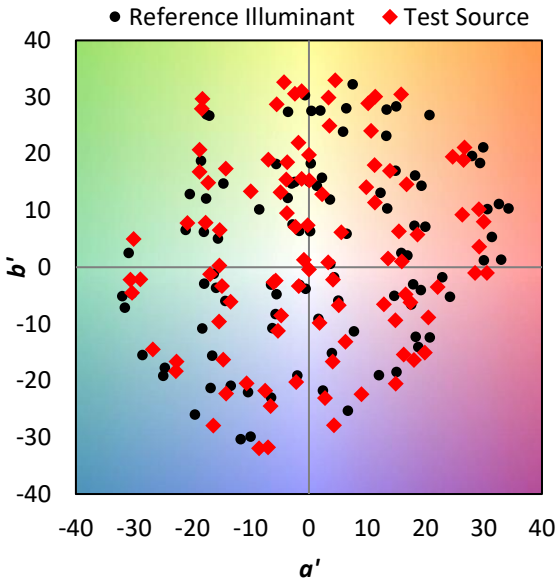
## Summary

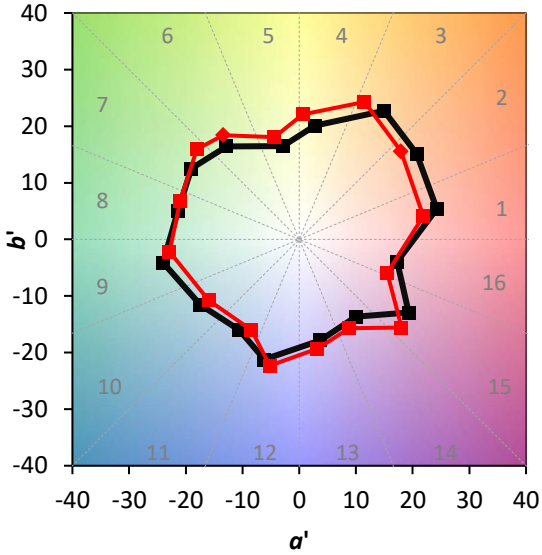
$R_f$ = 82.2
$R_g$ = 99.9
CIE $R_a$ = 82.9
$R_9$ = 10.8

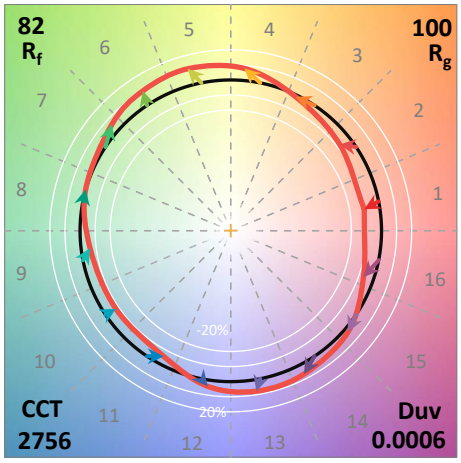
## Spectral Power Distribution Comparison

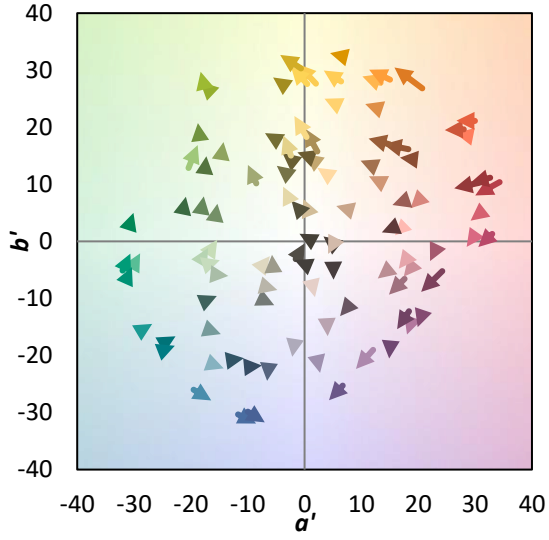



## Color Vector Graphics



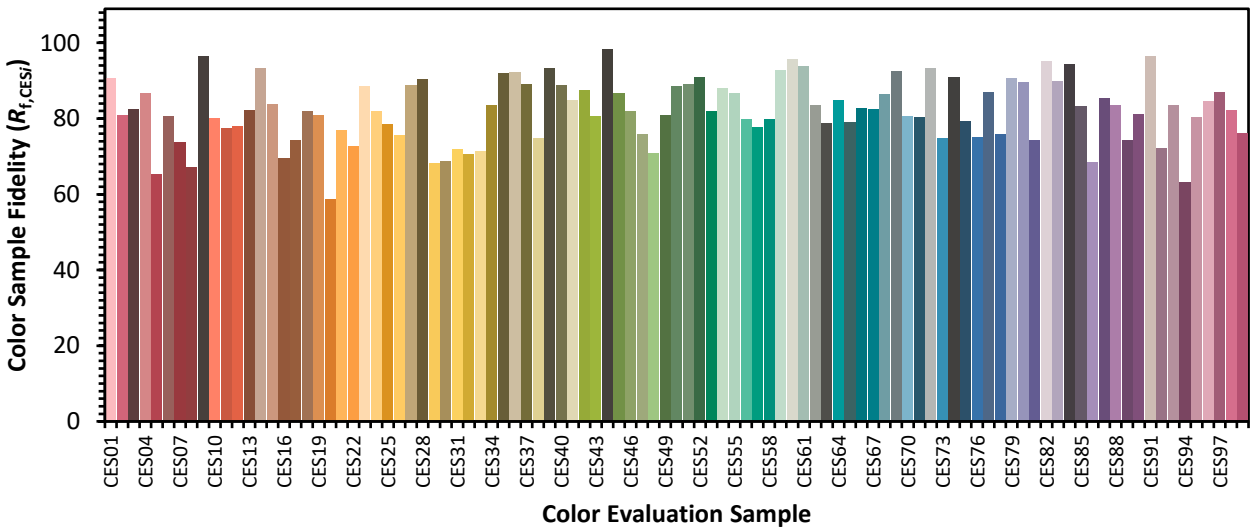



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**Individual Sample Fidelity Index ($R_{f,i}$)**

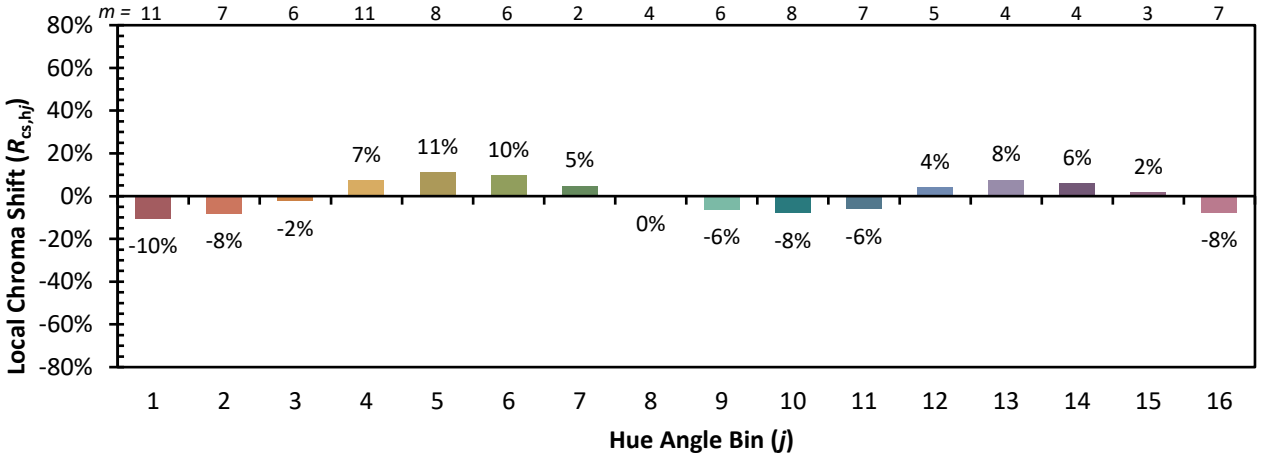
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 76 | CES51 = 89 | CES76 = 75 |
| CES02 = 63 | CES27 = 89 | CES52 = 91 | CES77 = 87 |
| CES03 = 31 | CES28 = 90 | CES53 = 82 | CES78 = 76 |
| CES04 = 71 | CES29 = 68 | CES54 = 88 | CES79 = 91 |
| CES05 = 50 | CES30 = 69 | CES55 = 87 | CES80 = 90 |
| CES06 = 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 | |

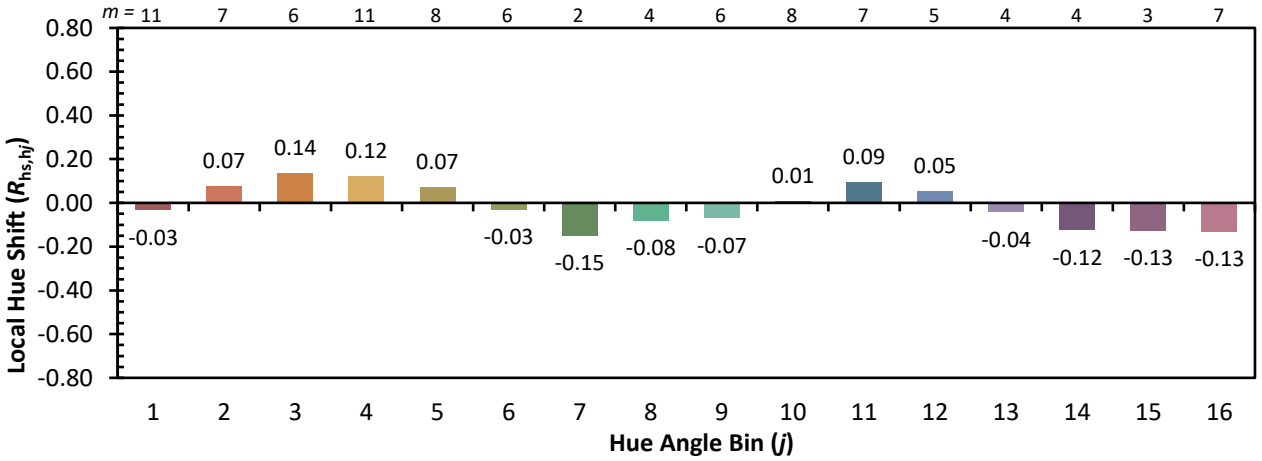


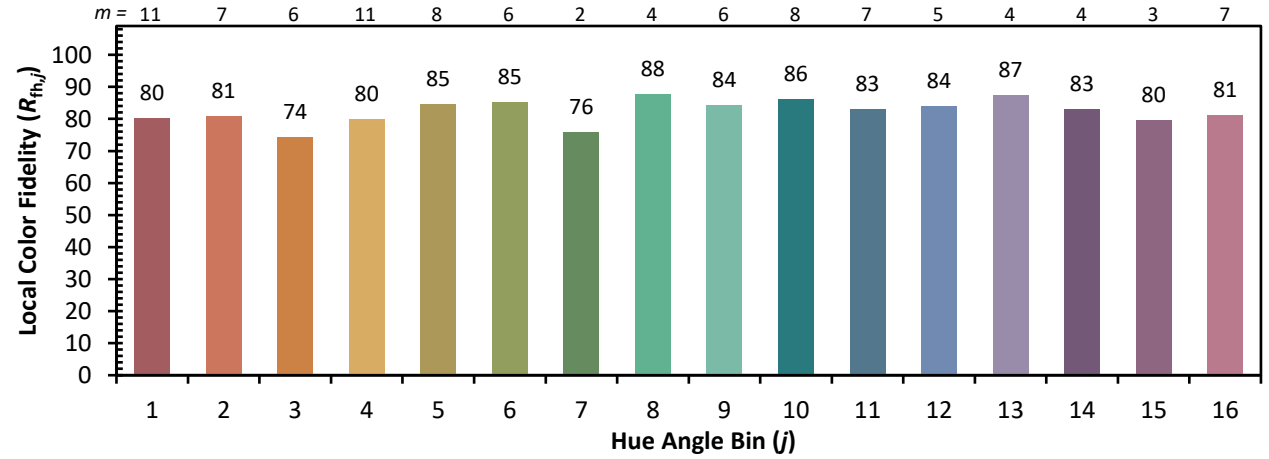
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## Color Rendition by Hue-Angle Bin



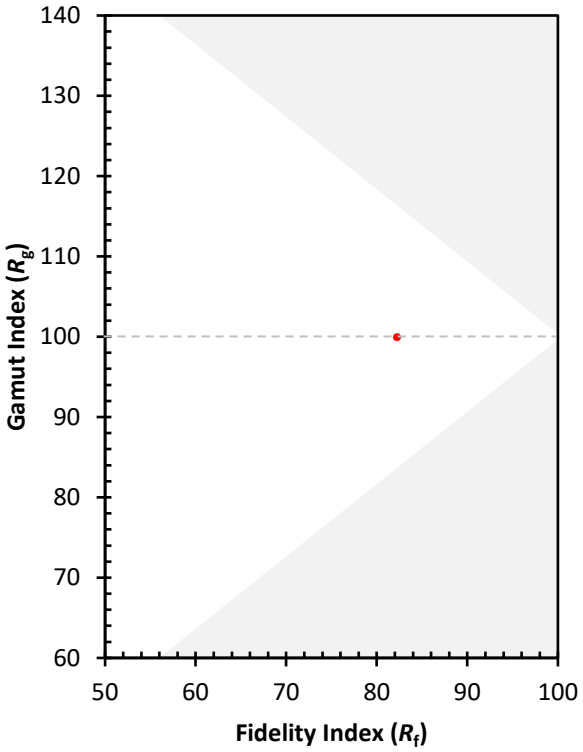



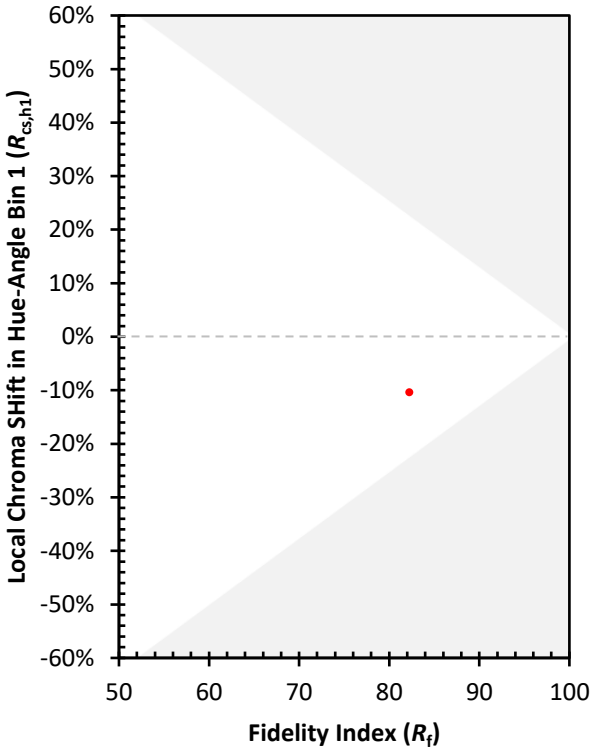



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## Measure Comparisons




(END OF REPORT)