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: P1501476

Luminaire Tested: GSS-SB2D-760-U-T2LG

Issue Date: 07/20/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501476 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB2D-760-U-T2LG |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 147W 70CRI 5700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE |
| Light Source: | (52) 5700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 20021.4 lumens |
| Efficiency: | N/A |
| Efficacy: | 136.2 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B3 - U0 - G3 |

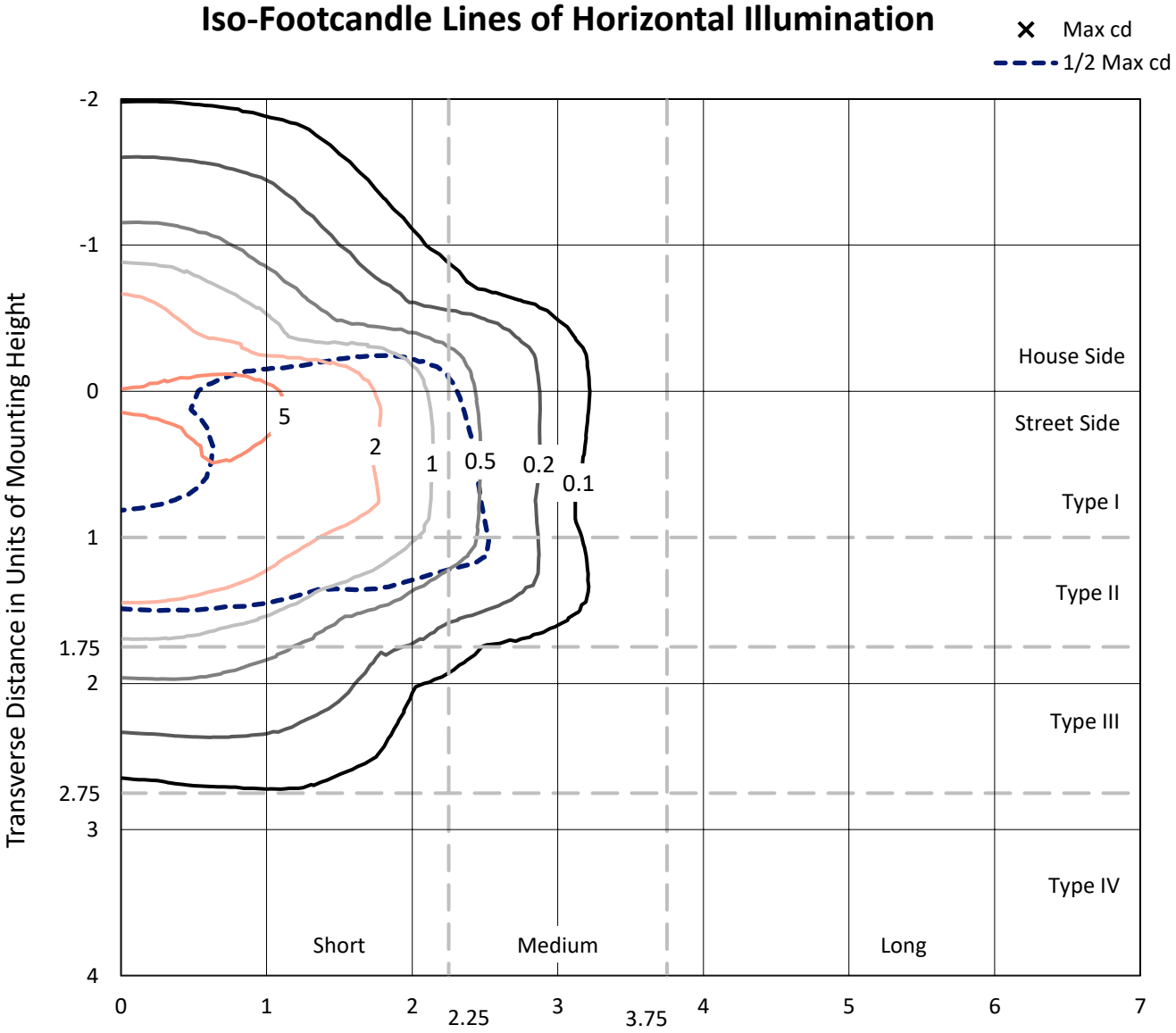
| | |
|---|---|
| Input Watts (W): | 147 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 3.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



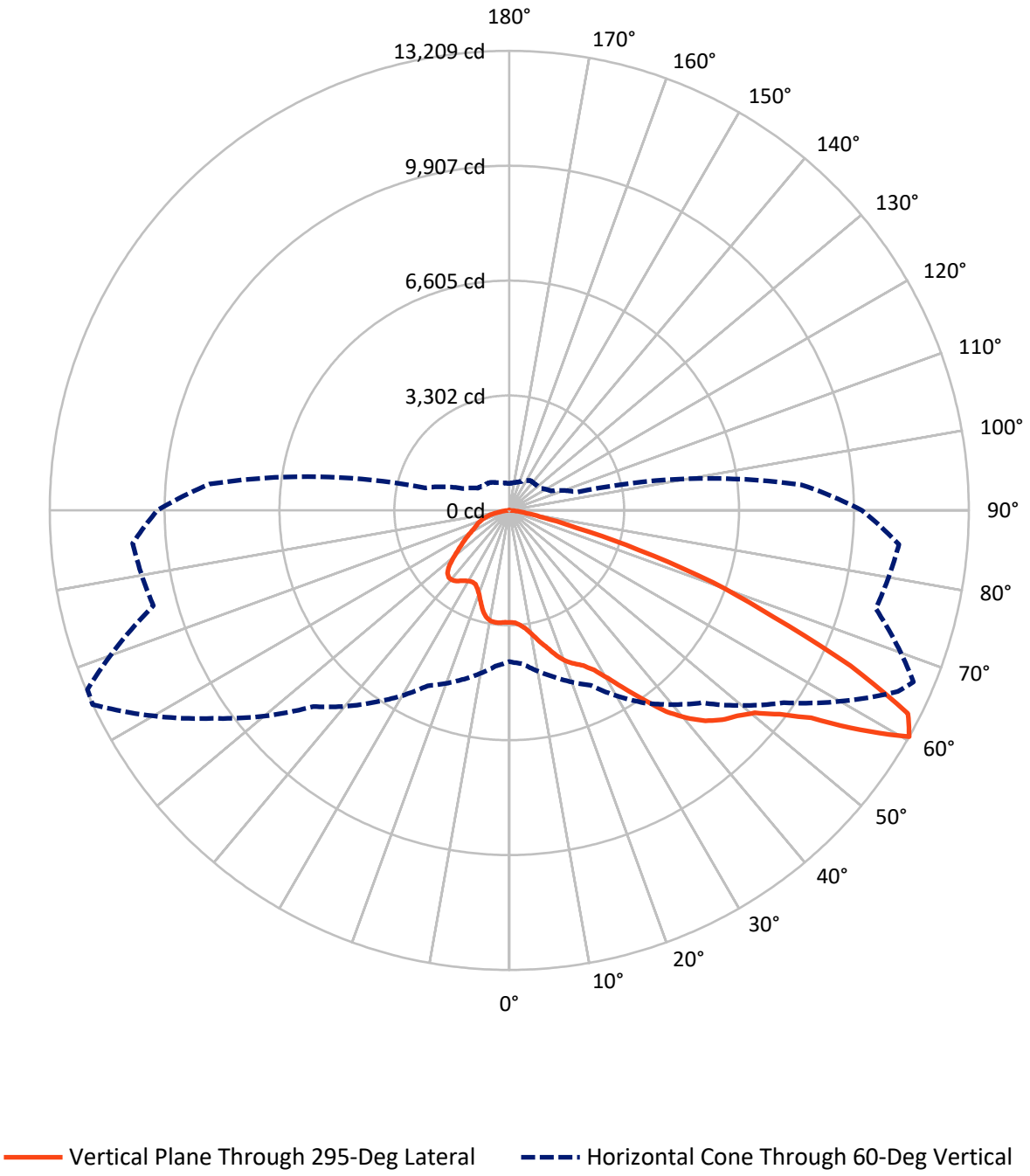

Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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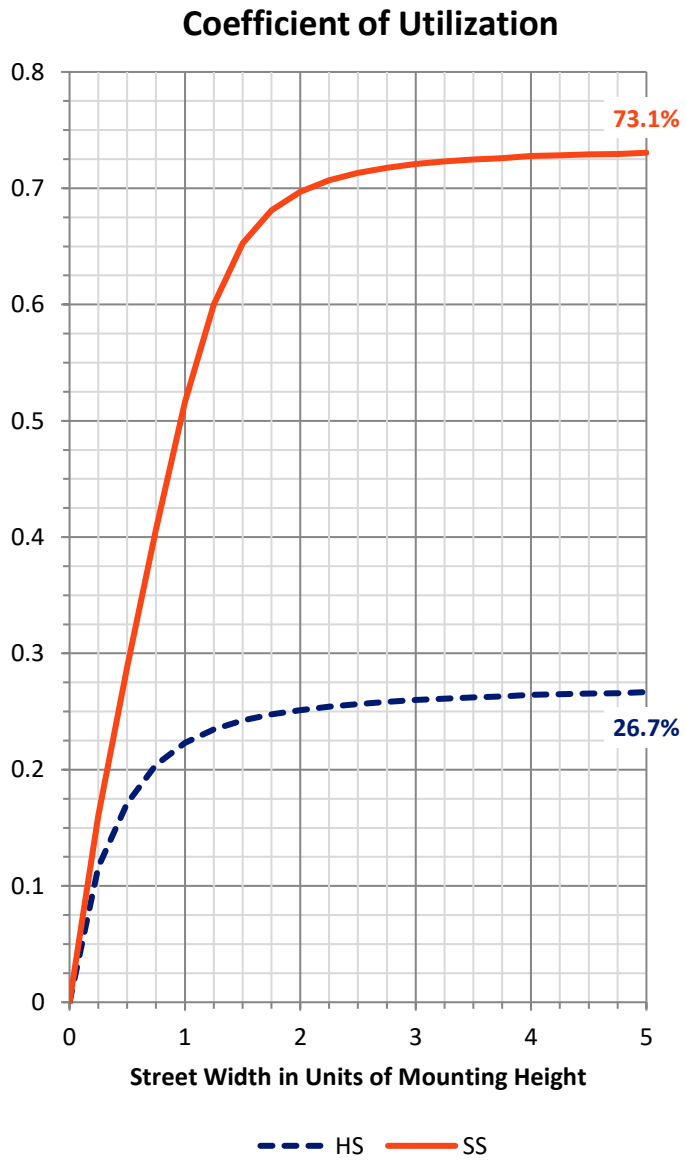
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 5384.0 | 0.0 | 5384.0 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 14637.4 | 0.0 | 14637.4 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 20021.4 | 0.0 | 20021.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 302.9 | 1.5 |
| 10°-20° | 870.7 | 4.3 |
| 20°-30° | 1649.2 | 8.2 |
| 30°-40° | 2907.5 | 14.5 |
| 40°-50° | 4299.9 | 21.5 |
| 50°-60° | 5049.2 | 25.2 |
| 60°-70° | 3658.4 | 18.3 |
| 70°-80° | 1128.2 | 5.6 |
| 80°-90° | 155.3 | 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° | 20021.4 | 100.0 |
| 0°-180° | 20021.4 | 100.0 |



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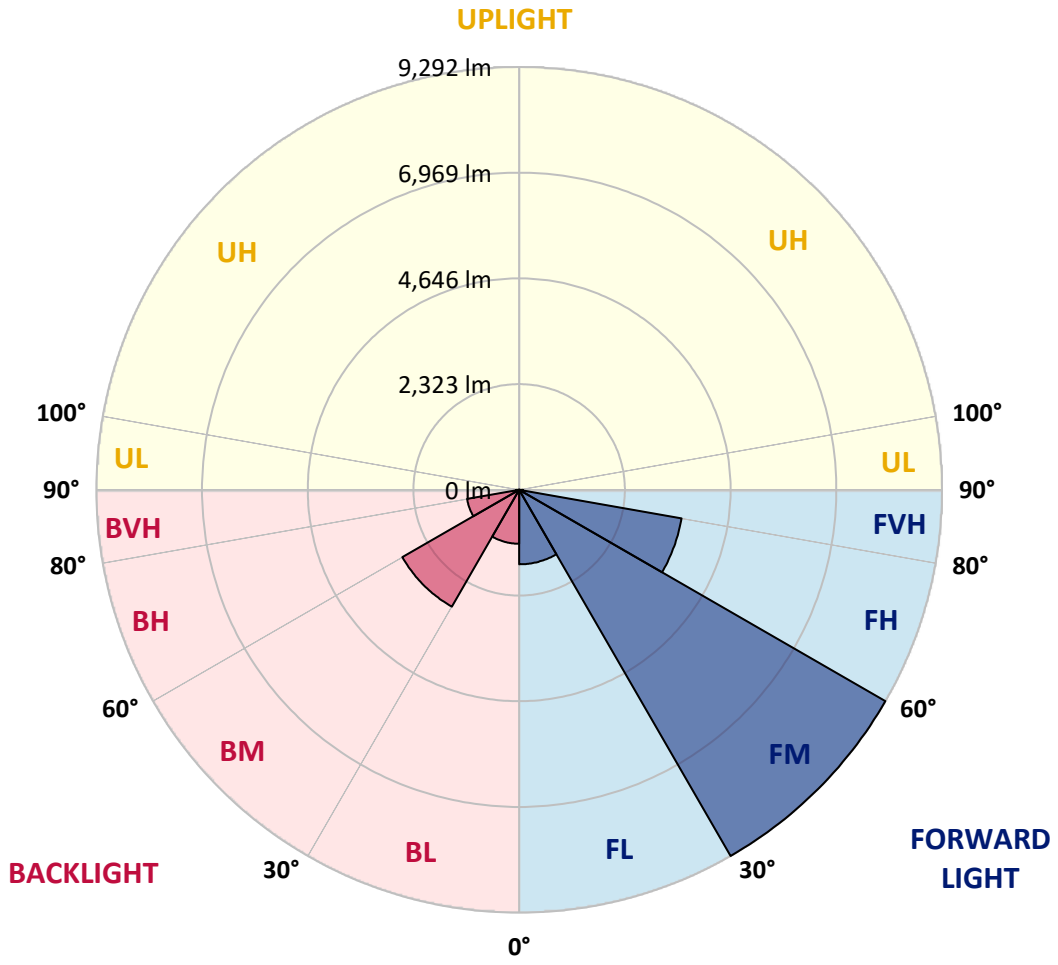
Scaled Data Report

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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°) | 1637.1 | 8.2 | | | |
| FM | (30°-60°) | 9292.0 | 46.4 | | | |
| FH | (60°-80°) | 3624.5 | 18.1 | | | G2/5000 |
| FVH | (80°-90°) | 83.8 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 1185.7 | 5.9 | B3/2500 | | |
| BM | (30°-60°) | 2964.6 | 14.8 | B3/5000 | | |
| BH | (60°-80°) | 1162.1 | 5.8 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 71.5 | 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° | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 |
| 2.5° | 3285.2 | 3294.3 | 3280.7 | 3289.8 | 3289.8 | 3276.1 | 3271.5 | 3253.3 | 3262.4 | 3257.8 | 3253.3 |
| 5° | 3362.8 | 3367.4 | 3358.2 | 3371.9 | 3371.9 | 3376.5 | 3371.9 | 3349.1 | 3349.1 | 3349.1 | 3340.0 |
| 7.5° | 3340.0 | 3340.0 | 3344.5 | 3390.2 | 3435.8 | 3495.1 | 3495.1 | 3486.0 | 3495.1 | 3490.5 | 3449.5 |
| 10° | 3148.3 | 3166.6 | 3207.7 | 3321.7 | 3431.2 | 3559.0 | 3645.7 | 3673.1 | 3673.1 | 3677.6 | 3609.2 |
| 12.5° | 2806.1 | 2819.8 | 2915.6 | 3089.0 | 3317.2 | 3549.9 | 3759.8 | 3896.6 | 3910.3 | 3933.1 | 3841.9 |
| 15° | 2500.4 | 2509.5 | 2578.0 | 2755.9 | 3016.0 | 3426.7 | 3823.6 | 4106.5 | 4152.2 | 4248.0 | 4111.1 |
| 17.5° | 2527.8 | 2523.2 | 2541.5 | 2609.9 | 2797.0 | 3225.9 | 3809.9 | 4352.9 | 4435.1 | 4603.9 | 4485.2 |
| 20° | 2692.1 | 2692.1 | 2705.7 | 2719.4 | 2787.9 | 3079.9 | 3709.6 | 4553.7 | 4713.4 | 5041.9 | 4905.0 |
| 22.5° | 2952.1 | 2952.1 | 2947.6 | 2970.4 | 2970.4 | 3143.8 | 3714.1 | 4704.3 | 4941.5 | 5530.1 | 5397.8 |
| 25° | 3312.6 | 3294.3 | 3294.3 | 3303.5 | 3262.4 | 3385.6 | 3828.2 | 4859.4 | 5169.7 | 6109.6 | 5995.5 |
| 27.5° | 3718.7 | 3732.4 | 3723.3 | 3691.3 | 3636.6 | 3732.4 | 4102.0 | 5101.2 | 5425.2 | 6721.0 | 6675.4 |
| 30° | 4161.3 | 4165.8 | 4175.0 | 4156.7 | 4111.1 | 4179.5 | 4530.9 | 5466.2 | 5762.8 | 7359.8 | 7460.2 |
| 32.5° | 4594.7 | 4658.6 | 4635.8 | 4590.2 | 4608.4 | 4731.6 | 5060.2 | 5959.0 | 6264.7 | 7953.0 | 8308.9 |
| 35° | 5146.8 | 5169.7 | 5260.9 | 5092.1 | 5096.7 | 5306.5 | 5735.5 | 6606.9 | 6903.5 | 8569.0 | 9157.6 |
| 37.5° | 5949.9 | 5991.0 | 5949.9 | 5685.3 | 5644.2 | 5936.2 | 6392.5 | 7245.7 | 7460.2 | 9034.4 | 9946.9 |
| 40° | 6739.3 | 6789.5 | 6857.9 | 6547.6 | 6287.6 | 6529.4 | 7013.0 | 7734.0 | 7957.5 | 9289.9 | 10471.6 |
| 42.5° | 7391.8 | 7473.9 | 7400.9 | 7309.6 | 7072.4 | 7118.0 | 7446.5 | 8112.7 | 8336.3 | 9613.8 | 11000.9 |
| 45° | 7943.9 | 7957.5 | 7989.5 | 7925.6 | 7807.0 | 7765.9 | 7816.1 | 8445.8 | 8692.2 | 9759.9 | 11261.0 |
| 47.5° | 8172.0 | 8231.3 | 8258.7 | 8368.2 | 8491.4 | 8409.3 | 8130.9 | 8600.9 | 8824.5 | 9750.7 | 11343.1 |
| 50° | 8048.8 | 8108.1 | 8254.1 | 8514.2 | 8810.8 | 8956.8 | 8500.5 | 8815.3 | 9066.3 | 9915.0 | 11512.0 |
| 52.5° | 7724.8 | 7788.7 | 8026.0 | 8322.6 | 8819.9 | 9153.0 | 9020.7 | 9262.5 | 9504.3 | 10207.0 | 11794.9 |
| 55° | 6940.0 | 7035.9 | 7368.9 | 7861.7 | 8546.1 | 9048.1 | 9568.2 | 9919.5 | 10184.2 | 10558.3 | 12086.9 |
| 57.5° | 5799.3 | 5899.7 | 6273.9 | 7013.0 | 8039.7 | 8614.6 | 9727.9 | 11151.5 | 11270.1 | 10978.1 | 12114.3 |
| 60° | *4343.8* | *4425.9* | *4955.2* | *5548.4* | *6753.0* | *7820.7* | *9636.7* | *12319.6* | *12620.7* | *10905.1* | *11242.8* |
| 62.5° | 3440.4 | 3540.7 | 4010.7 | 4284.5 | 5146.8 | 6460.9 | 9317.3 | 12643.5 | 12903.6 | 10302.8 | 10029.1 |
| 65° | 2687.5 | 2755.9 | 3194.0 | 3586.4 | 3796.3 | 4412.2 | 7984.9 | 11060.3 | 11293.0 | 9321.8 | 8276.9 |
| 67.5° | 1774.9 | 1879.9 | 2400.0 | 2938.4 | 3048.0 | 2806.1 | 5493.6 | 8509.6 | 8619.1 | 7410.0 | 6223.7 |
| 70° | 1273.0 | 1323.2 | 1711.1 | 2286.0 | 2450.2 | 1879.9 | 2993.2 | 6442.7 | 6474.6 | 4973.5 | 4193.2 |
| 72.5° | 866.9 | 876.1 | 1163.5 | 1752.1 | 1952.9 | 1364.3 | 1647.2 | 4243.4 | 4133.9 | 2454.8 | 2400.0 |
| 75° | 588.6 | 597.7 | 743.7 | 1168.1 | 1382.5 | 949.1 | 1072.3 | 2313.3 | 2222.1 | 1355.2 | 1455.5 |
| 77.5° | 397.0 | 406.1 | 511.0 | 784.8 | 921.7 | 657.0 | 784.8 | 1222.8 | 1200.0 | 898.9 | 780.2 |
| 80° | 301.1 | 314.8 | 378.7 | 501.9 | 643.4 | 383.3 | 447.2 | 579.5 | 588.6 | 479.1 | 397.0 |
| 82.5° | 168.8 | 187.1 | 228.1 | 255.5 | 415.2 | 214.5 | 214.5 | 346.8 | 333.1 | 296.6 | 214.5 |
| 85° | 73.0 | 77.6 | 91.3 | 95.8 | 168.8 | 91.3 | 77.6 | 150.6 | 155.1 | 146.0 | 68.4 |
| 87.5° | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 18.3 | 18.3 | 18.3 | 18.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 |
| 2.5° | 3230.5 | 3257.8 | 3230.5 | 3216.8 | 3216.8 | 3194.0 | 3184.8 | 3184.8 | 3152.9 | 3166.6 | 3157.5 |
| 5° | 3303.5 | 3312.6 | 3280.7 | 3239.6 | 3184.8 | 3139.2 | 3075.3 | 2993.2 | 2943.0 | 2938.4 | 2943.0 |
| 7.5° | 3417.5 | 3422.1 | 3335.4 | 3244.2 | 3107.3 | 2943.0 | 2746.8 | 2587.1 | 2445.7 | 2422.9 | 2450.2 |
| 10° | 3577.2 | 3568.1 | 3440.4 | 3225.9 | 2938.4 | 2591.7 | 2290.5 | 2144.5 | 2062.4 | 2057.8 | 2053.3 |
| 12.5° | 3791.7 | 3732.4 | 3536.2 | 3148.3 | 2646.4 | 2244.9 | 2089.8 | 2080.6 | 2103.5 | 2121.7 | 2126.3 |
| 15° | 4038.1 | 3960.5 | 3613.7 | 2997.8 | 2349.8 | 2117.1 | 2126.3 | 2203.8 | 2231.2 | 2249.5 | 2249.5 |
| 17.5° | 4343.8 | 4243.4 | 3700.4 | 2783.3 | 2199.3 | 2144.5 | 2208.4 | 2281.4 | 2327.0 | 2345.3 | 2340.7 |
| 20° | 4749.9 | 4540.0 | 3768.9 | 2578.0 | 2158.2 | 2190.1 | 2244.9 | 2317.9 | 2363.5 | 2386.3 | 2386.3 |
| 22.5° | 5156.0 | 4895.9 | 3782.6 | 2436.5 | 2158.2 | 2194.7 | 2244.9 | 2317.9 | 2368.1 | 2390.9 | 2386.3 |
| 25° | 5708.1 | 5352.2 | 3787.1 | 2336.2 | 2162.8 | 2171.9 | 2217.5 | 2281.4 | 2354.4 | 2377.2 | 2386.3 |
| 27.5° | 6296.7 | 5854.1 | 3809.9 | 2313.3 | 2144.5 | 2140.0 | 2171.9 | 2231.2 | 2304.2 | 2363.5 | 2368.1 |
| 30° | 7026.7 | 6419.9 | 3819.1 | 2336.2 | 2149.1 | 2089.8 | 2112.6 | 2171.9 | 2249.5 | 2308.8 | 2327.0 |
| 32.5° | 7743.1 | 6944.6 | 3800.8 | 2386.3 | 2158.2 | 2057.8 | 2062.4 | 2098.9 | 2181.0 | 2222.1 | 2254.0 |
| 35° | 8500.5 | 7501.3 | 3768.9 | 2454.8 | 2162.8 | 2044.1 | 2003.1 | 2021.3 | 2076.1 | 2080.6 | 2094.3 |
| 37.5° | 9093.7 | 7916.5 | 3673.1 | 2546.0 | 2171.9 | 1993.9 | 1911.8 | 1898.1 | 1875.3 | 1829.7 | 1838.8 |
| 40° | 9581.9 | 8194.8 | 3513.4 | 2591.7 | 2149.1 | 1934.6 | 1797.7 | 1733.9 | 1647.2 | 1578.7 | 1592.4 |
| 42.5° | 9933.2 | 8381.9 | 3321.7 | 2600.8 | 2112.6 | 1834.2 | 1665.4 | 1555.9 | 1460.1 | 1387.1 | 1391.7 |
| 45° | 10088.4 | 8363.6 | 3116.4 | 2532.4 | 2025.9 | 1711.1 | 1542.2 | 1437.3 | 1332.3 | 1254.8 | 1245.6 |
| 47.5° | 10092.9 | 8185.7 | 2833.5 | 2368.1 | 1879.9 | 1569.6 | 1428.2 | 1314.1 | 1227.4 | 1172.6 | 1168.1 |
| 50° | 10129.4 | 8085.3 | 2568.9 | 2130.8 | 1688.2 | 1419.0 | 1327.8 | 1213.7 | 1163.5 | 1085.9 | 1063.1 |
| 52.5° | 10357.6 | 8249.6 | 2386.3 | 1870.8 | 1510.3 | 1309.5 | 1241.1 | 1140.7 | 1058.6 | 1008.4 | 1003.8 |
| 55° | 10727.2 | 8532.5 | 2286.0 | 1674.6 | 1341.5 | 1204.6 | 1159.0 | 1072.3 | 999.3 | 949.1 | 935.4 |
| 57.5° | 10772.8 | 8678.5 | 2167.3 | 1492.0 | 1204.6 | 1122.5 | 1104.2 | 1008.4 | 903.4 | 866.9 | 853.2 |
| 60° | *10134.0* | *8432.1* | *2021.3* | *1323.2* | *1104.2* | *1058.6* | *1049.4* | *921.7* | *835.0* | *789.4* | *771.1* |
| 62.5° | 9262.5 | 7816.1 | 1797.7 | 1168.1 | 1026.6 | 994.7 | 958.2 | 857.8 | 748.3 | 698.1 | 684.4 |
| 65° | 7569.7 | 6570.4 | 1528.5 | 1063.1 | 949.1 | 912.6 | 903.4 | 766.6 | 693.5 | 666.2 | 661.6 |
| 67.5° | 5735.5 | 5279.2 | 1346.0 | 985.6 | 866.9 | 853.2 | 821.3 | 775.7 | 743.7 | 711.8 | 702.7 |
| 70° | 4056.3 | 3809.9 | 1145.3 | 885.2 | 784.8 | 762.0 | 894.3 | 844.1 | 730.0 | 689.0 | 684.4 |
| 72.5° | 2459.4 | 2390.9 | 990.1 | 793.9 | 675.3 | 711.8 | 825.9 | 762.0 | 657.0 | 606.9 | 588.6 |
| 75° | 1551.4 | 1419.0 | 830.4 | 675.3 | 538.4 | 579.5 | 720.9 | 679.9 | 565.8 | 515.6 | 501.9 |
| 77.5° | 844.1 | 784.8 | 625.1 | 552.1 | 424.3 | 470.0 | 629.7 | 561.2 | 451.7 | 492.8 | 438.0 |
| 80° | 369.6 | 410.7 | 415.2 | 319.4 | 282.9 | 346.8 | 451.7 | 438.0 | 346.8 | 351.3 | 292.0 |
| 82.5° | 177.9 | 232.7 | 269.2 | 219.0 | 159.7 | 205.3 | 301.1 | 251.0 | 232.7 | 219.0 | 209.9 |
| 85° | 54.8 | 86.7 | 118.6 | 104.9 | 73.0 | 86.7 | 141.4 | 136.9 | 164.3 | 141.4 | 132.3 |
| 87.5° | 18.3 | 18.3 | 13.7 | 13.7 | 13.7 | 18.3 | 22.8 | 13.7 | 4.6 | 4.6 | 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° | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 |
| 2.5° | 3152.9 | 3157.5 | 3157.5 | 3162.0 | 3162.0 | 3175.7 | 3194.0 | 3212.2 | 3198.5 | 3216.8 | 3221.3 |
| 5° | 2933.9 | 2956.7 | 2975.0 | 3043.4 | 3098.1 | 3143.8 | 3194.0 | 3239.6 | 3253.3 | 3262.4 | 3285.2 |
| 7.5° | 2418.3 | 2482.2 | 2600.8 | 2755.9 | 2929.3 | 3098.1 | 3212.2 | 3330.9 | 3349.1 | 3371.9 | 3403.9 |
| 10° | 2057.8 | 2085.2 | 2167.3 | 2327.0 | 2637.3 | 2970.4 | 3248.7 | 3435.8 | 3513.4 | 3559.0 | 3590.9 |
| 12.5° | 2117.1 | 2098.9 | 2085.2 | 2108.0 | 2308.8 | 2737.7 | 3225.9 | 3586.4 | 3732.4 | 3782.6 | 3823.6 |
| 15° | 2258.6 | 2240.3 | 2190.1 | 2126.3 | 2149.1 | 2491.3 | 3148.3 | 3727.8 | 3960.5 | 4042.6 | 4129.3 |
| 17.5° | 2340.7 | 2322.5 | 2281.4 | 2213.0 | 2153.6 | 2286.0 | 3002.3 | 3855.6 | 4321.0 | 4421.4 | 4544.6 |
| 20° | 2386.3 | 2368.1 | 2327.0 | 2258.6 | 2190.1 | 2208.4 | 2815.3 | 4015.3 | 4731.6 | 4891.3 | 5073.8 |
| 22.5° | 2395.5 | 2372.7 | 2327.0 | 2258.6 | 2217.5 | 2203.8 | 2637.3 | 4111.1 | 5174.2 | 5420.6 | 5630.5 |
| 25° | 2390.9 | 2349.8 | 2290.5 | 2240.3 | 2217.5 | 2213.0 | 2514.1 | 4165.8 | 5653.3 | 6045.7 | 6283.0 |
| 27.5° | 2359.0 | 2308.8 | 2249.5 | 2213.0 | 2203.8 | 2231.2 | 2459.4 | 4229.7 | 6214.5 | 6716.5 | 7095.2 |
| 30° | 2322.5 | 2249.5 | 2176.5 | 2162.8 | 2185.6 | 2272.3 | 2505.0 | 4252.5 | 6803.1 | 7446.5 | 7834.3 |
| 32.5° | 2226.7 | 2171.9 | 2098.9 | 2094.3 | 2149.1 | 2304.2 | 2609.9 | 4220.6 | 7323.3 | 8176.6 | 8664.8 |
| 35° | 2089.8 | 2057.8 | 2016.8 | 2030.5 | 2117.1 | 2331.6 | 2682.9 | 4120.2 | 7797.8 | 8856.4 | 9426.8 |
| 37.5° | 1847.9 | 1870.8 | 1893.6 | 1925.5 | 2035.0 | 2327.0 | 2714.9 | 3960.5 | 8190.2 | 9399.4 | 10129.4 |
| 40° | 1578.7 | 1656.3 | 1729.3 | 1811.4 | 1957.4 | 2290.5 | 2724.0 | 3764.3 | 8418.4 | 9810.0 | 10754.5 |
| 42.5° | 1409.9 | 1482.9 | 1574.2 | 1692.8 | 1852.5 | 2208.4 | 2714.9 | 3545.3 | 8491.4 | 10092.9 | 11151.5 |
| 45° | 1254.8 | 1341.5 | 1455.5 | 1578.7 | 1761.2 | 2089.8 | 2632.7 | 3308.0 | 8527.9 | 10225.3 | 11320.3 |
| 47.5° | 1172.6 | 1222.8 | 1327.8 | 1451.0 | 1642.6 | 1943.8 | 2473.0 | 3134.7 | 8473.1 | 10252.6 | 11525.7 |
| 50° | 1076.8 | 1145.3 | 1213.7 | 1332.3 | 1519.4 | 1761.2 | 2281.4 | 3034.3 | 8564.4 | 10521.8 | 11849.6 |
| 52.5° | 1003.8 | 1040.3 | 1113.3 | 1222.8 | 1359.7 | 1592.4 | 2098.9 | 2952.1 | 8815.3 | 10795.6 | 12187.3 |
| 55° | 949.1 | 990.1 | 1035.8 | 1127.0 | 1232.0 | 1423.6 | 1911.8 | 2828.9 | 9107.4 | 11087.6 | 12524.9 |
| 57.5° | 862.4 | 889.7 | 953.6 | 1049.4 | 1117.9 | 1259.3 | 1692.8 | 2682.9 | 9084.6 | 10859.5 | 11940.9 |
| 60° | *784.8* | *812.2* | *880.6* | *976.4* | *1017.5* | *1113.3* | *1478.4* | *2495.9* | *8646.5* | *10115.7* | *10864.1* |
| 62.5° | 698.1 | 730.0 | 812.2 | 880.6 | 917.1 | 990.1 | 1254.8 | 2153.6 | 7734.0 | 8997.9 | 9604.7 |
| 65° | 661.6 | 679.9 | 734.6 | 816.7 | 812.2 | 880.6 | 1058.6 | 1692.8 | 6223.7 | 6876.2 | 7428.3 |
| 67.5° | 702.7 | 730.0 | 720.9 | 743.7 | 730.0 | 766.6 | 949.1 | 1359.7 | 4891.3 | 5178.8 | 5498.2 |
| 70° | 693.5 | 757.4 | 789.4 | 743.7 | 638.8 | 679.9 | 821.3 | 1085.9 | 3499.7 | 3472.3 | 3458.6 |
| 72.5° | 606.9 | 670.7 | 762.0 | 807.6 | 625.1 | 565.8 | 711.8 | 939.9 | 2244.9 | 2235.8 | 2021.3 |
| 75° | 515.6 | 561.2 | 670.7 | 730.0 | 538.4 | 456.3 | 611.4 | 798.5 | 1341.5 | 1359.7 | 1213.7 |
| 77.5° | 474.5 | 451.7 | 561.2 | 643.4 | 438.0 | 351.3 | 492.8 | 602.3 | 739.2 | 748.3 | 693.5 |
| 80° | 342.2 | 328.5 | 419.8 | 470.0 | 333.1 | 251.0 | 278.3 | 374.2 | 397.0 | 355.9 | 369.6 |
| 82.5° | 219.0 | 223.6 | 251.0 | 301.1 | 205.3 | 136.9 | 191.6 | 251.0 | 214.5 | 173.4 | 205.3 |
| 85° | 141.4 | 159.7 | 132.3 | 155.1 | 63.9 | 63.9 | 82.1 | 109.5 | 73.0 | 50.2 | 54.8 |
| 87.5° | 0.0 | 0.0 | 9.1 | 18.3 | 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: P1501476
CATALOG NUMBER: GSS-SB2D-760-U-T2LG

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3221.3 | 3221.3 | *3221.3* | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 | 3221.3 |
| 2.5° | 3235.0 | 3230.5 | *3230.5* | 3239.6 | 3262.4 | 3271.5 | 3285.2 | 3280.7 | 3294.3 | 3285.2 |
| 5° | 3298.9 | 3303.5 | *3317.2* | 3321.7 | 3335.4 | 3353.7 | 3358.2 | 3353.7 | 3362.8 | 3362.8 |
| 7.5° | 3426.7 | 3444.9 | *3435.8* | 3458.6 | 3440.4 | 3417.5 | 3381.0 | 3353.7 | 3330.9 | 3340.0 |
| 10° | 3641.1 | 3632.0 | *3627.4* | 3586.4 | 3504.2 | 3385.6 | 3289.8 | 3184.8 | 3166.6 | 3148.3 |
| 12.5° | 3878.4 | 3869.3 | *3869.3* | 3727.8 | 3495.1 | 3248.7 | 3029.7 | 2865.4 | 2810.7 | 2806.1 |
| 15° | 4211.5 | 4152.2 | *4097.4* | 3800.8 | 3335.4 | 2915.6 | 2660.1 | 2532.4 | 2500.4 | 2500.4 |
| 17.5° | 4626.7 | 4471.6 | *4380.3* | 3746.1 | 3075.3 | 2696.6 | 2546.0 | 2514.1 | 2505.0 | 2527.8 |
| 20° | 5142.3 | 4749.9 | *4617.6* | 3622.9 | 2979.5 | 2724.0 | 2651.0 | 2655.6 | 2660.1 | 2692.1 |
| 22.5° | 5708.1 | 5005.4 | *4786.4* | 3622.9 | 3075.3 | 2897.4 | 2860.9 | 2911.1 | 2924.8 | 2952.1 |
| 25° | 6337.7 | 5233.5 | *4937.0* | 3814.5 | 3358.2 | 3225.9 | 3180.3 | 3230.5 | 3267.0 | 3312.6 |
| 27.5° | 7045.0 | 5470.8 | *5197.0* | 4161.3 | 3723.3 | 3641.1 | 3590.9 | 3613.7 | 3663.9 | 3718.7 |
| 30° | 7679.2 | 5867.8 | *5594.0* | 4690.6 | 4220.6 | 4120.2 | 4033.5 | 4070.0 | 4124.8 | 4161.3 |
| 32.5° | 8240.4 | 6351.4 | *6118.7* | 5247.2 | 4791.0 | 4617.6 | 4521.7 | 4512.6 | 4622.1 | 4594.7 |
| 35° | 8756.0 | 6921.8 | *6698.2* | 5881.5 | 5370.4 | 5156.0 | 5028.2 | 5192.5 | 5119.5 | 5146.8 |
| 37.5° | 9162.1 | 7514.9 | *7337.0* | 6488.3 | 5972.7 | 5680.7 | 5603.1 | 5803.9 | 5918.0 | 5949.9 |
| 40° | 9495.2 | 8030.5 | *7843.5* | 7090.6 | 6524.8 | 6310.4 | 6433.6 | 6766.6 | 6753.0 | 6739.3 |
| 42.5° | 9750.7 | 8473.1 | *8267.8* | 7546.9 | 7054.1 | 7095.2 | 7191.0 | 7414.6 | 7469.3 | 7391.8 |
| 45° | 9864.8 | 8751.5 | *8587.2* | 7907.3 | 7656.4 | 7893.7 | 7934.7 | 8030.5 | 7994.0 | 7943.9 |
| 47.5° | 9997.1 | 8997.9 | *8824.5* | 8235.9 | 8308.9 | 8541.6 | 8459.4 | 8381.9 | 8249.6 | 8172.0 |
| 50° | 10220.7 | 9289.9 | *9143.9* | 8715.0 | 8979.6 | 8902.0 | 8582.6 | 8409.3 | 8140.1 | 8048.8 |
| 52.5° | 10645.0 | 9842.0 | *9732.5* | 9472.4 | 9294.4 | 8847.3 | 8459.4 | 8149.2 | 7848.0 | 7724.8 |
| 55° | 11023.7 | 10590.3 | *10526.4* | 10179.6 | 9198.6 | 8559.8 | 8039.7 | 7560.6 | 7045.0 | 6940.0 |
| 57.5° | 11242.8 | 11831.4 | *11904.4* | 10480.8 | 8760.6 | 7907.3 | 7140.8 | 6374.2 | 5886.0 | 5799.3 |
| 60° | *10590.3* | *13172.8* | *13209.3* | *10421.5* | *7971.2* | *6730.1* | *5562.1* | *5019.1* | *4494.4* | *4343.8* |
| 62.5° | 9691.4 | 12894.5 | *12862.6* | 10065.6 | 6346.9 | 4909.6 | 4225.2 | 3969.6 | 3563.6 | 3440.4 |
| 65° | 8331.7 | 10740.9 | *10777.4* | 8696.7 | 4220.6 | 3549.9 | 3549.9 | 3225.9 | 2774.2 | 2687.5 |
| 67.5° | 6789.5 | 8281.5 | *8199.4* | 5639.6 | 2591.7 | 2842.6 | 2979.5 | 2514.1 | 1879.9 | 1774.9 |
| 70° | 4412.2 | 6324.1 | *6210.0* | 3253.3 | 1628.9 | 2368.1 | 2345.3 | 1889.0 | 1346.0 | 1273.0 |
| 72.5° | 1898.1 | 3654.8 | *3887.5* | 1660.9 | 1227.4 | 1907.3 | 1870.8 | 1323.2 | 898.9 | 866.9 |
| 75° | 1145.3 | 1838.8 | *2003.1* | 1058.6 | 894.3 | 1437.3 | 1295.8 | 839.6 | 611.4 | 588.6 |
| 77.5° | 725.5 | 1008.4 | *999.3* | 793.9 | 670.7 | 971.9 | 871.5 | 579.5 | 415.2 | 397.0 |
| 80° | 419.8 | 497.3 | *515.6* | 497.3 | 451.7 | 693.5 | 556.7 | 419.8 | 324.0 | 301.1 |
| 82.5° | 269.2 | 310.3 | *314.8* | 241.8 | 251.0 | 447.2 | 301.1 | 246.4 | 187.1 | 168.8 |
| 85° | 118.6 | 132.3 | *127.8* | 82.1 | 82.1 | 182.5 | 104.9 | 100.4 | 73.0 | 73.0 |
| 87.5° | 4.6 | 9.1 | *4.6* | 4.6 | 4.6 | 18.3 | 9.1 | 13.7 | 13.7 | 13.7 |
| 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: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

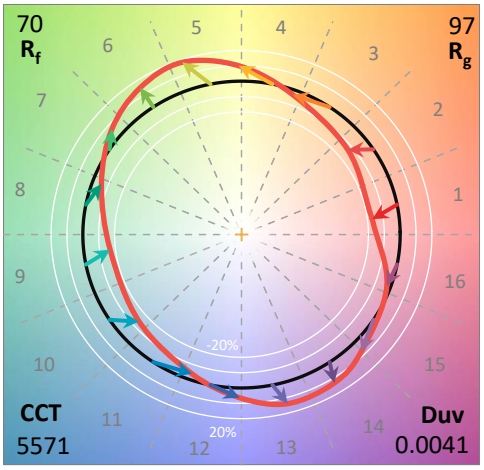
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-7 |
| 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-757-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 5571 |
| CIE u': | 0.2033 |
| CIE v': | 0.4806 |
| Duv: | 0.0041 |
| CIE x: | 0.3308 |
| CIE y: | 0.3476 |
| CIE z: | 0.3216 |
| Peak Wavelength (nm): | 442 |
| Dominant Wavelength (nm): | 544 |
| Purity: | 3.635698 |
| Rf: | 70.4 |
| Rg: | 97.1 |

| | |
|---|---|
| CRI (Ra): | 69.9 |
| R1: | 68.8 |
| R2: | 72.5 |
| R3: | 76.8 |
| R4: | 72.0 |
| R5: | 70.9 |
| R6: | 65.6 |
| R7: | 75.5 |
| R8: | 56.8 |
| R9: | -35.4 |
| R10: | 36.7 |
| R11: | 73.9 |
| R12: | 47.8 |
| R13: | 68.0 |
| R14: | 87.0 |
| R15: | 59.8 |




## Test Conditions

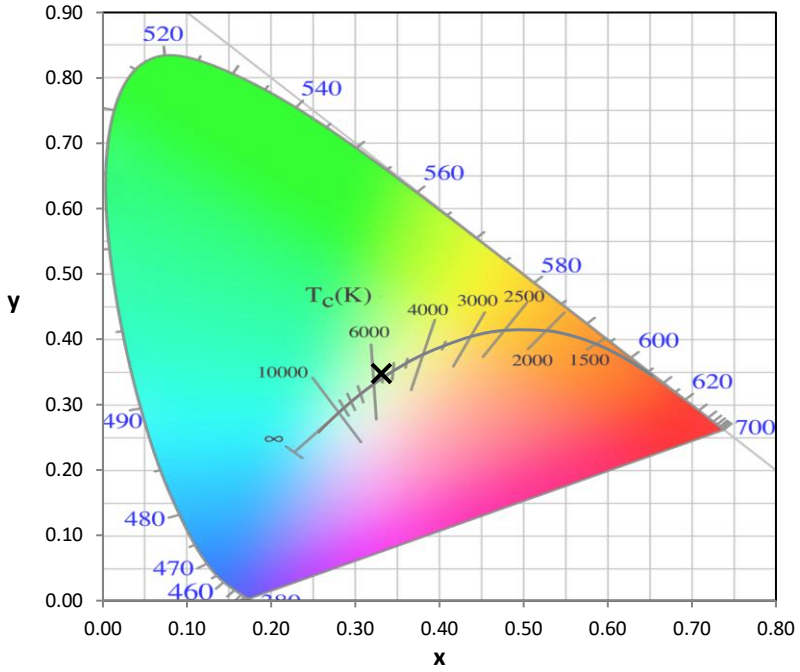
| | |
|---|---|
| Stabilization Time: | 20M |
| Operation Time: | 1H 20M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-7

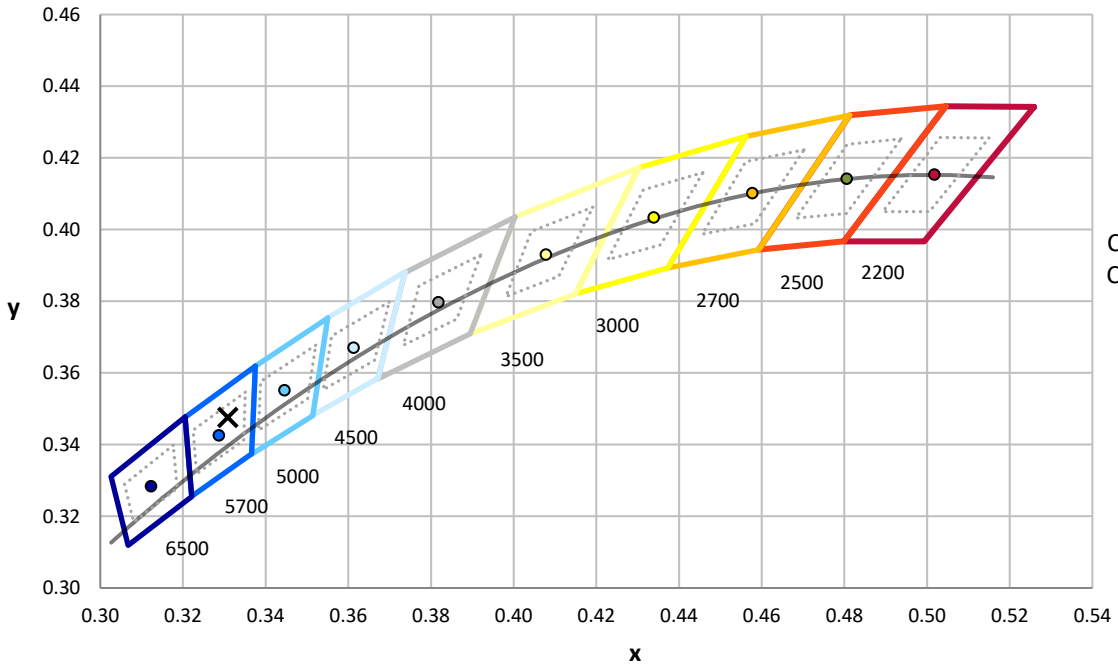
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-7

## CIE 1931 Chromaticity Diagram




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

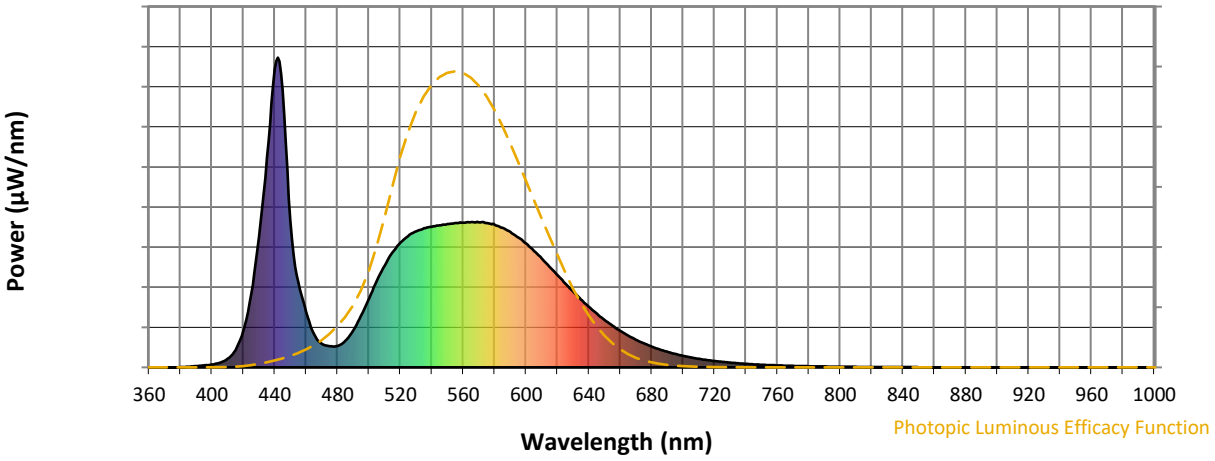



CCT = 5571K
CIE x = 0.3308
CIE y = 0.3476
Duv = 0.0041

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

## Photopic Flux vs. Wavelength

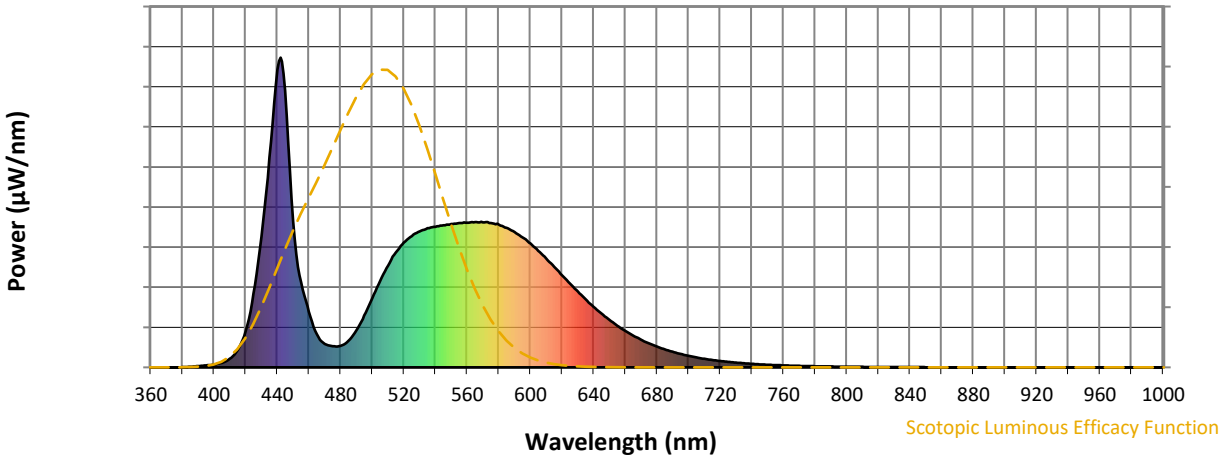



## Photopic Lumens: NR

| 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 | 120 | NR | 620 | 298 | NR | 750 | 9 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 167 | NR | 625 | 270 | NR | 755 | 7 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 222 | NR | 630 | 245 | NR | 760 | 6 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 279 | NR | 635 | 219 | NR | 765 | 6 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 329 | NR | 640 | 196 | NR | 770 | 5 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 371 | NR | 645 | 173 | NR | 775 | 4 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 403 | NR | 650 | 153 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 424 | NR | 655 | 135 | NR | 785 | 3 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 439 | NR | 660 | 117 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 449 | NR | 665 | 103 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 28 | NR | 540 | 454 | NR | 670 | 89 | NR | 800 | 2 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 459 | NR | 675 | 77 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 118 | NR | 550 | 463 | NR | 680 | 67 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 237 | NR | 555 | 466 | NR | 685 | 58 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 420 | NR | 560 | 467 | NR | 690 | 50 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 677 | NR | 565 | 469 | NR | 695 | 43 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 962 | NR | 570 | 469 | NR | 700 | 37 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 894 | NR | 575 | 466 | NR | 705 | 32 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 472 | NR | 580 | 461 | NR | 710 | 28 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 275 | NR | 585 | 450 | NR | 715 | 24 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 180 | NR | 590 | 437 | NR | 720 | 21 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 420 | NR | 725 | 18 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 76 | NR | 600 | 400 | NR | 730 | 15 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 68 | NR | 605 | 376 | NR | 735 | 13 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 69 | NR | 610 | 352 | NR | 740 | 11 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 86 | NR | 615 | 325 | NR | 745 | 10 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-7

## Scotopic Flux vs. Wavelength

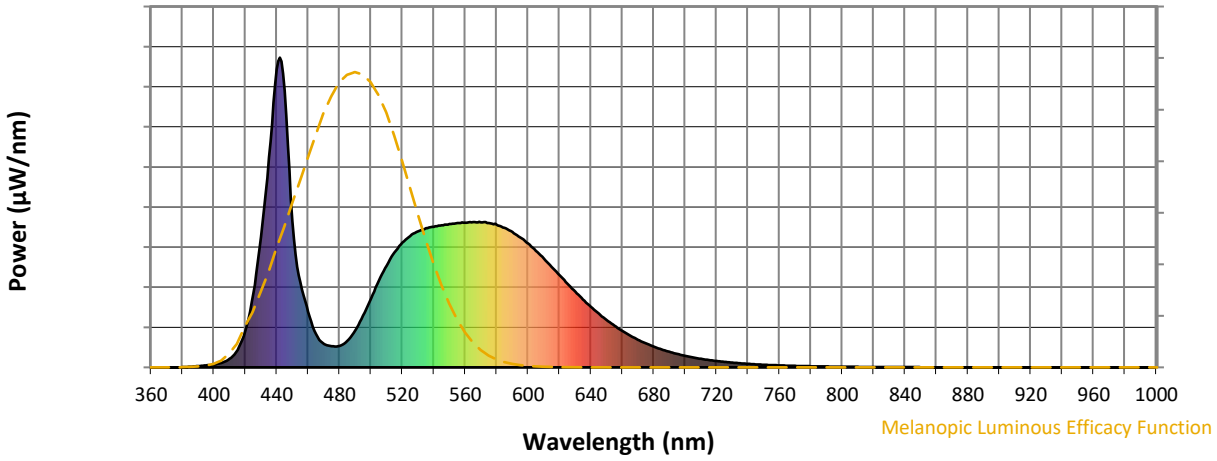



**Scotopic Lumens: NR** **S/P: 1.84**

| 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 | 120 | NR | 620 | 298 | NR | 750 | 9 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 167 | NR | 625 | 270 | NR | 755 | 7 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 222 | NR | 630 | 245 | NR | 760 | 6 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 279 | NR | 635 | 219 | NR | 765 | 6 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 329 | NR | 640 | 196 | NR | 770 | 5 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 371 | NR | 645 | 173 | NR | 775 | 4 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 403 | NR | 650 | 153 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 424 | NR | 655 | 135 | NR | 785 | 3 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 439 | NR | 660 | 117 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 449 | NR | 665 | 103 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 28 | NR | 540 | 454 | NR | 670 | 89 | NR | 800 | 2 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 459 | NR | 675 | 77 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 118 | NR | 550 | 463 | NR | 680 | 67 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 237 | NR | 555 | 466 | NR | 685 | 58 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 420 | NR | 560 | 467 | NR | 690 | 50 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 677 | NR | 565 | 469 | NR | 695 | 43 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 962 | NR | 570 | 469 | NR | 700 | 37 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 894 | NR | 575 | 466 | NR | 705 | 32 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 472 | NR | 580 | 461 | NR | 710 | 28 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 275 | NR | 585 | 450 | NR | 715 | 24 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 180 | NR | 590 | 437 | NR | 720 | 21 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 420 | NR | 725 | 18 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 76 | NR | 600 | 400 | NR | 730 | 15 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 68 | NR | 605 | 376 | NR | 735 | 13 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 69 | NR | 610 | 352 | NR | 740 | 11 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 86 | NR | 615 | 325 | NR | 745 | 10 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-7

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.71**

| 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 | 120 | NR | 620 | 298 | NR | 750 | 9 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 167 | NR | 625 | 270 | NR | 755 | 7 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 222 | NR | 630 | 245 | NR | 760 | 6 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 279 | NR | 635 | 219 | NR | 765 | 6 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 329 | NR | 640 | 196 | NR | 770 | 5 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 371 | NR | 645 | 173 | NR | 775 | 4 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 403 | NR | 650 | 153 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 424 | NR | 655 | 135 | NR | 785 | 3 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 439 | NR | 660 | 117 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 449 | NR | 665 | 103 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 28 | NR | 540 | 454 | NR | 670 | 89 | NR | 800 | 2 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 459 | NR | 675 | 77 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 118 | NR | 550 | 463 | NR | 680 | 67 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 237 | NR | 555 | 466 | NR | 685 | 58 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 420 | NR | 560 | 467 | NR | 690 | 50 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 677 | NR | 565 | 469 | NR | 695 | 43 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 962 | NR | 570 | 469 | NR | 700 | 37 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 894 | NR | 575 | 466 | NR | 705 | 32 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 472 | NR | 580 | 461 | NR | 710 | 28 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 275 | NR | 585 | 450 | NR | 715 | 24 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 180 | NR | 590 | 437 | NR | 720 | 21 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 420 | NR | 725 | 18 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 76 | NR | 600 | 400 | NR | 730 | 15 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 68 | NR | 605 | 376 | NR | 735 | 13 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 69 | NR | 610 | 352 | NR | 740 | 11 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 86 | NR | 615 | 325 | NR | 745 | 10 | NR | 875 | 0 | NR | | | |

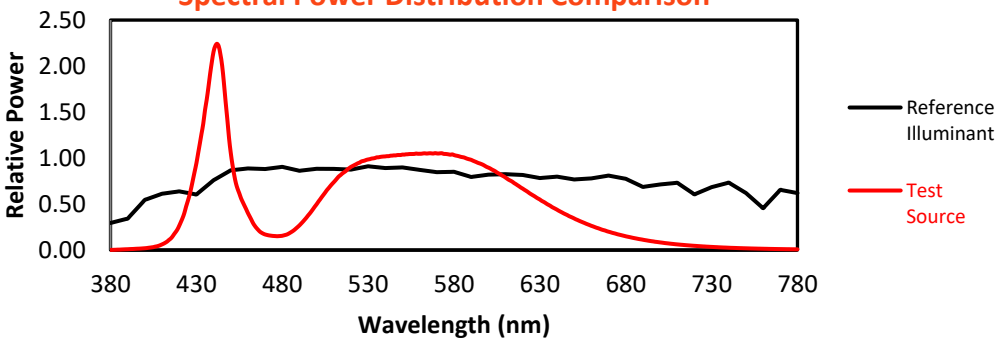
REPORT NUMBER: SP1-2407-184-7

# TM-30-18

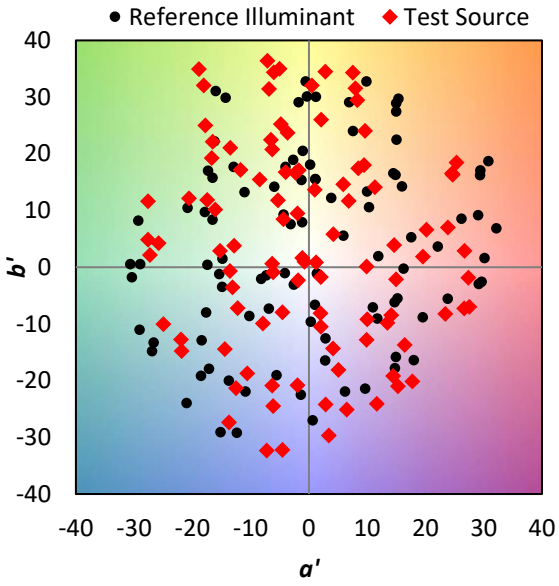
## Summary

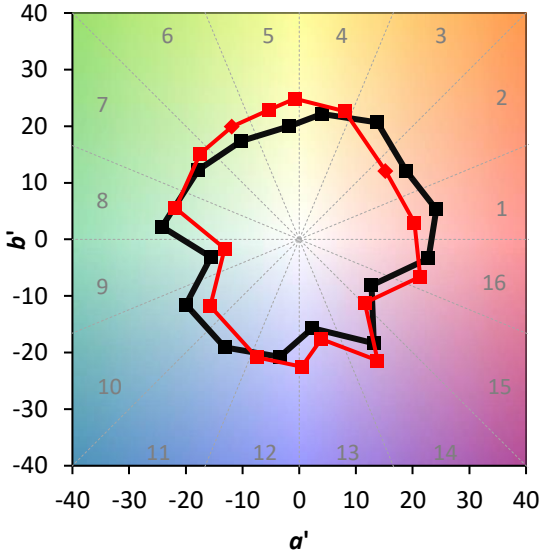
$R_f$ = 70.4
$R_g$ = 97.1
CIE $R_a$ = 69.9
$R_9$ = -35.4

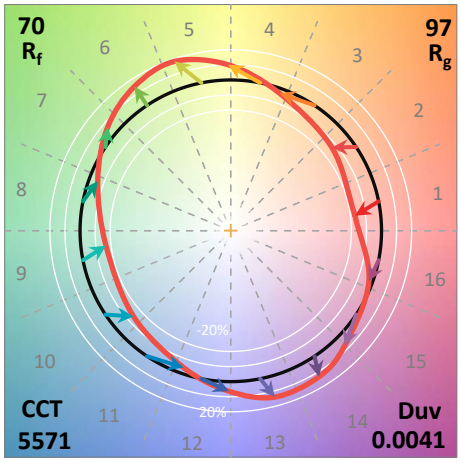
## Spectral Power Distribution Comparison

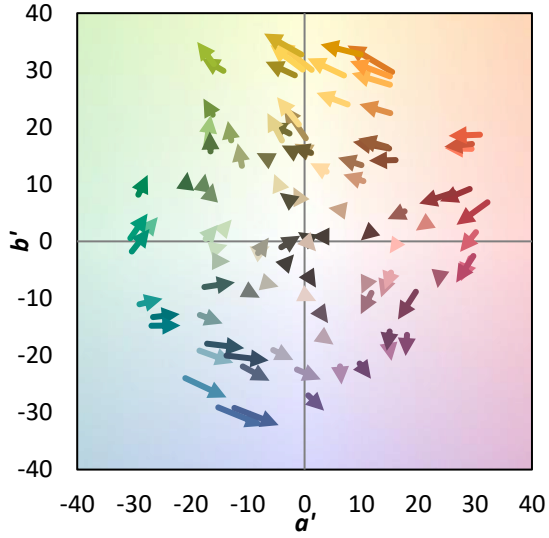



## Color Vector Graphics



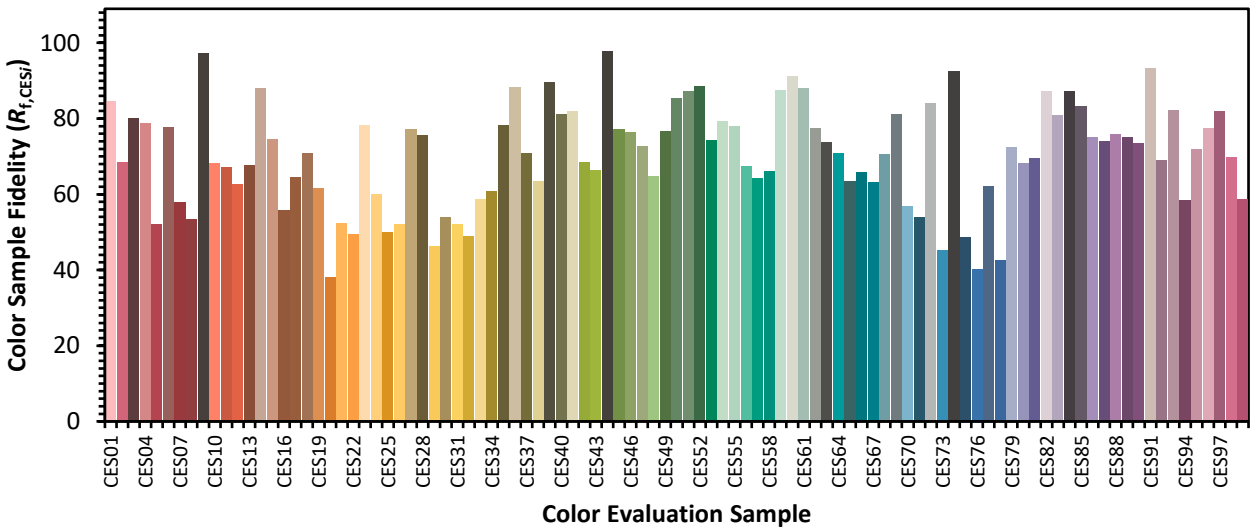



REPORT NUMBER: SP1-2407-184-7

# TM-30-18

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

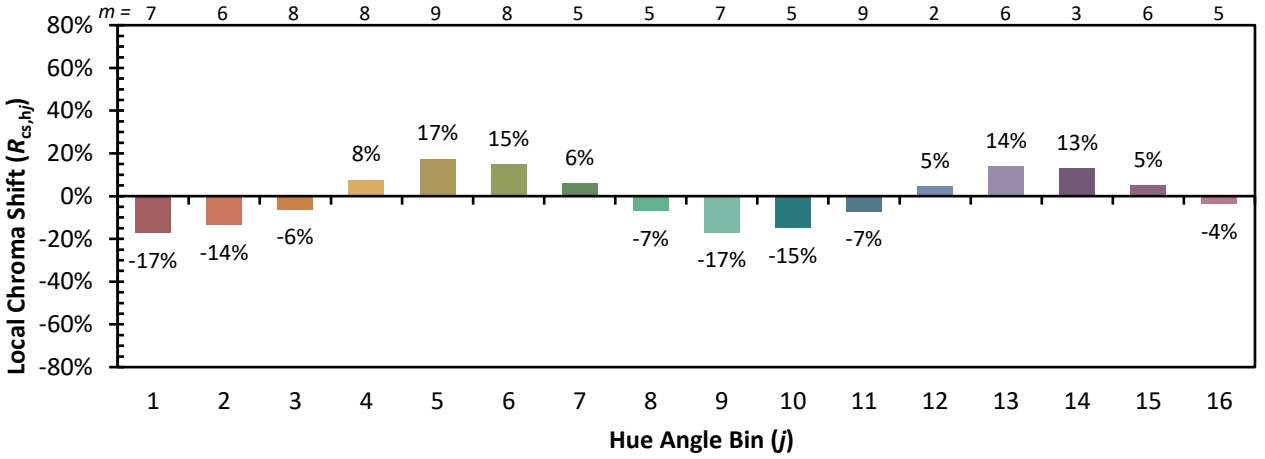
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 52 | CES51 = 87 | CES76 = 40 |
| CES02 = 59 | CES27 = 77 | CES52 = 88 | CES77 = 62 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 43 |
| CES04 = 68 | CES29 = 46 | CES54 = 79 | CES79 = 72 |
| CES05 = 45 | CES30 = 54 | CES55 = 78 | CES80 = 68 |
| CES06 = 49 | CES31 = 52 | CES56 = 67 | CES81 = 70 |
| CES07 = 38 | CES32 = 49 | CES57 = 64 | CES82 = 87 |
| CES08 = 37 | CES33 = 59 | CES58 = 66 | CES83 = 81 |
| CES09 = 29 | CES34 = 61 | CES59 = 87 | CES84 = 87 |
| CES10 = 72 | CES35 = 78 | CES60 = 91 | CES85 = 83 |
| CES11 = 55 | CES36 = 88 | CES61 = 88 | CES86 = 75 |
| CES12 = 61 | CES37 = 71 | CES62 = 77 | CES87 = 74 |
| CES13 = 41 | CES38 = 64 | CES63 = 74 | CES88 = 76 |
| CES14 = 74 | CES39 = 90 | CES64 = 71 | CES89 = 75 |
| CES15 = 70 | CES40 = 81 | CES65 = 63 | CES90 = 73 |
| CES16 = 46 | CES41 = 82 | CES66 = 66 | CES91 = 93 |
| CES17 = 48 | CES42 = 69 | CES67 = 63 | CES92 = 69 |
| CES18 = 55 | CES43 = 67 | CES68 = 71 | CES93 = 82 |
| CES19 = 70 | CES44 = 98 | CES69 = 81 | CES94 = 58 |
| CES20 = 63 | CES45 = 77 | CES70 = 57 | CES95 = 72 |
| CES21 = 85 | CES46 = 76 | CES71 = 54 | CES96 = 78 |
| CES22 = 77 | CES47 = 73 | CES72 = 84 | CES97 = 82 |
| CES23 = 91 | CES48 = 65 | CES73 = 45 | CES98 = 70 |
| CES24 = 90 | CES49 = 77 | CES74 = 92 | CES99 = 59 |
| CES25 = 71 | CES50 = 85 | CES75 = 49 | |

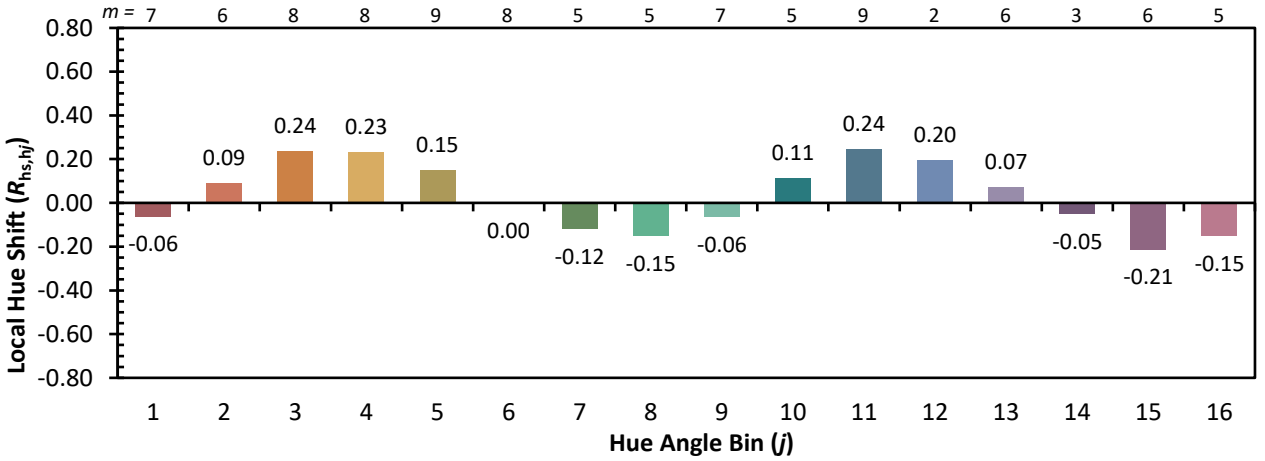


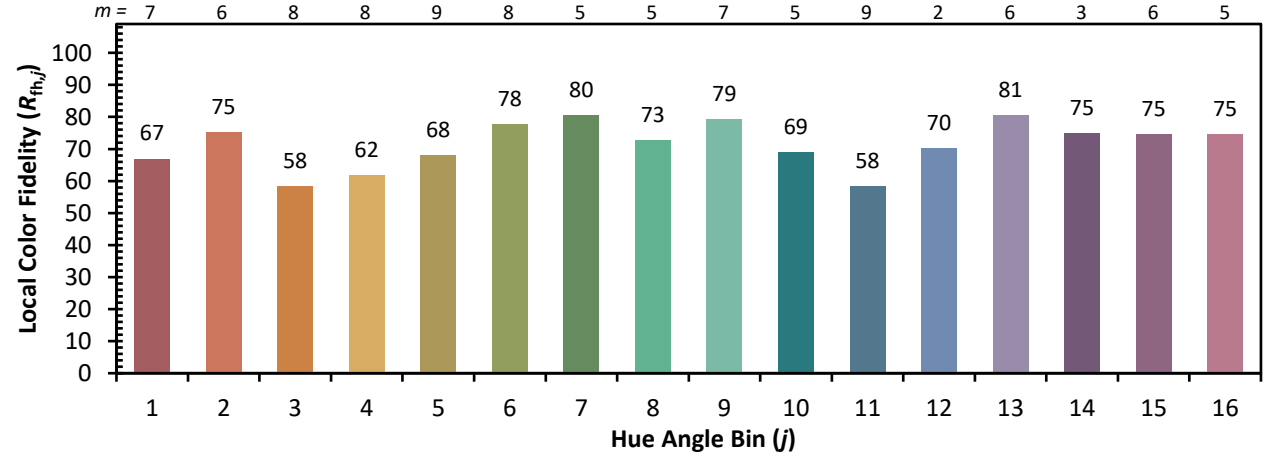
REPORT NUMBER: SP1-2407-184-7

**TM-30-18**

## Color Rendition by Hue-Angle Bin



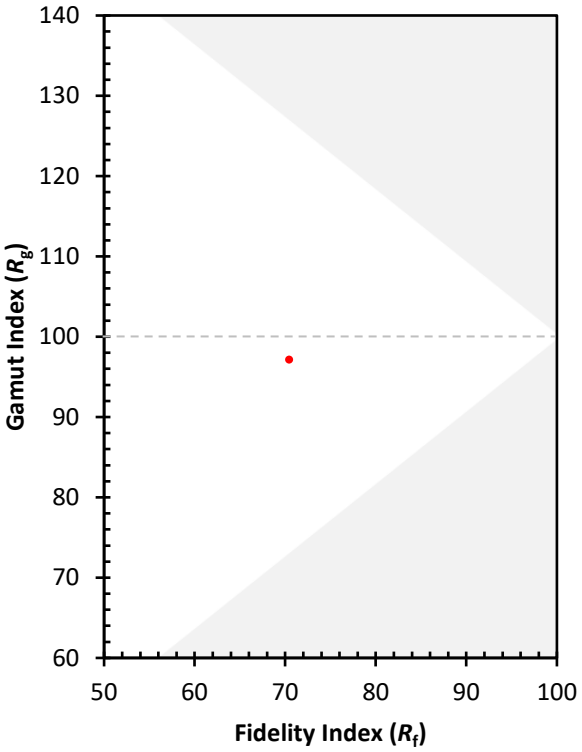



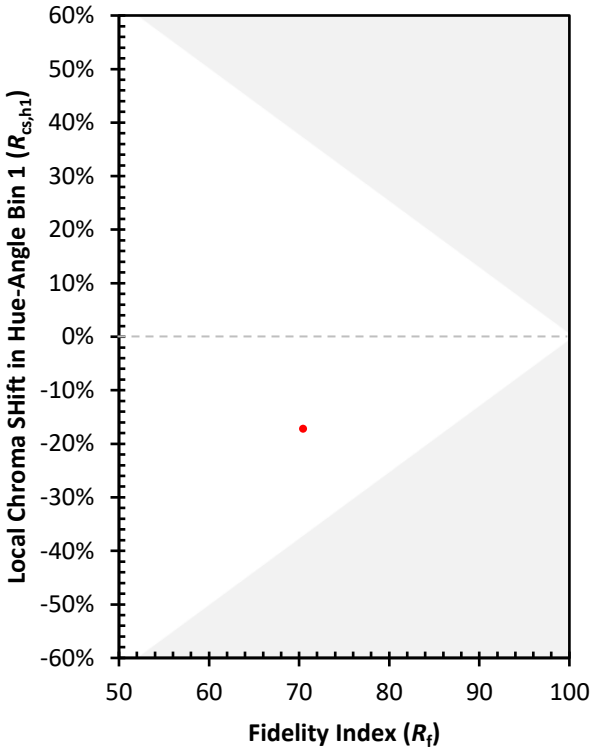



REPORT NUMBER: SP1-2407-184-7

# TM-30-18

## Measure Comparisons




(END OF REPORT)