Signify Classified - Internal

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: P1364571

Luminaire Tested: **GSS-SB6A-727-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364571 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB6A-727-U-SLR-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD |
| Light Source: | (156) 2700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 18316.7 lumens |
| Efficiency: | N/A |
| Efficacy: | 107.7 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B2 - U0 - G3 |

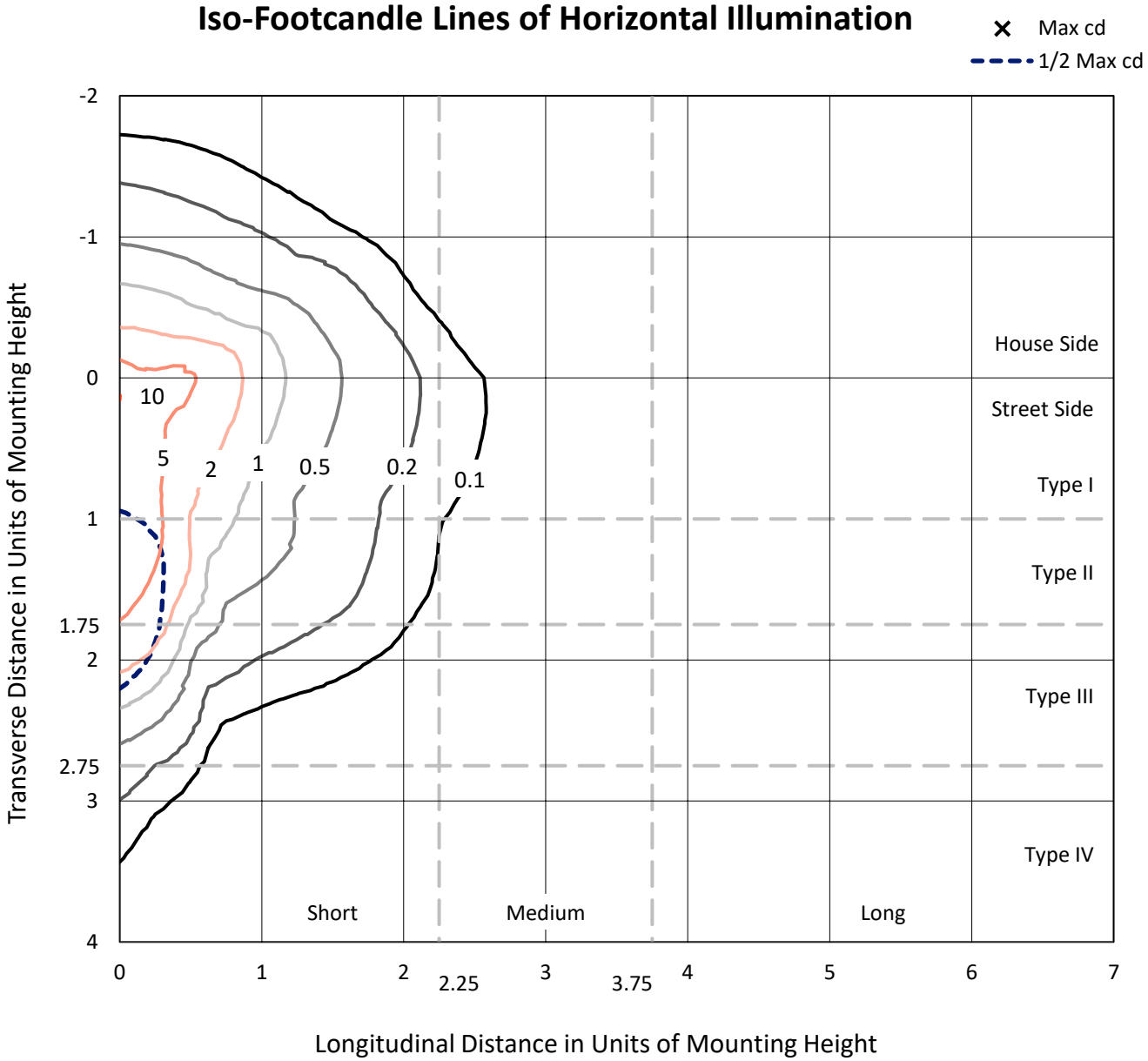
| | |
|---|---|
| Input Watts (W): | 170 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 12.0% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



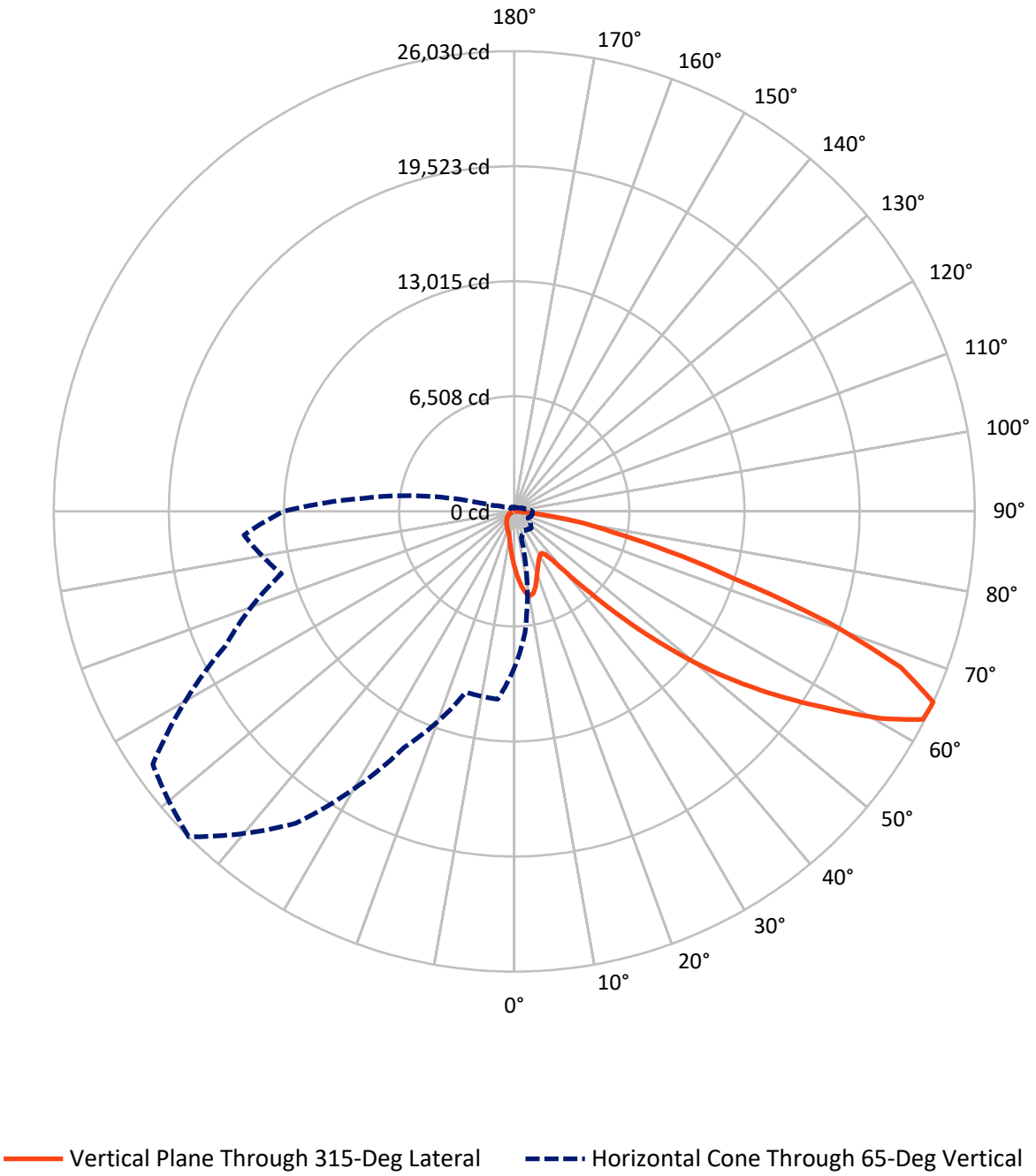

Based on 20 foot mounting height. Maximum calculated value = 10 fc
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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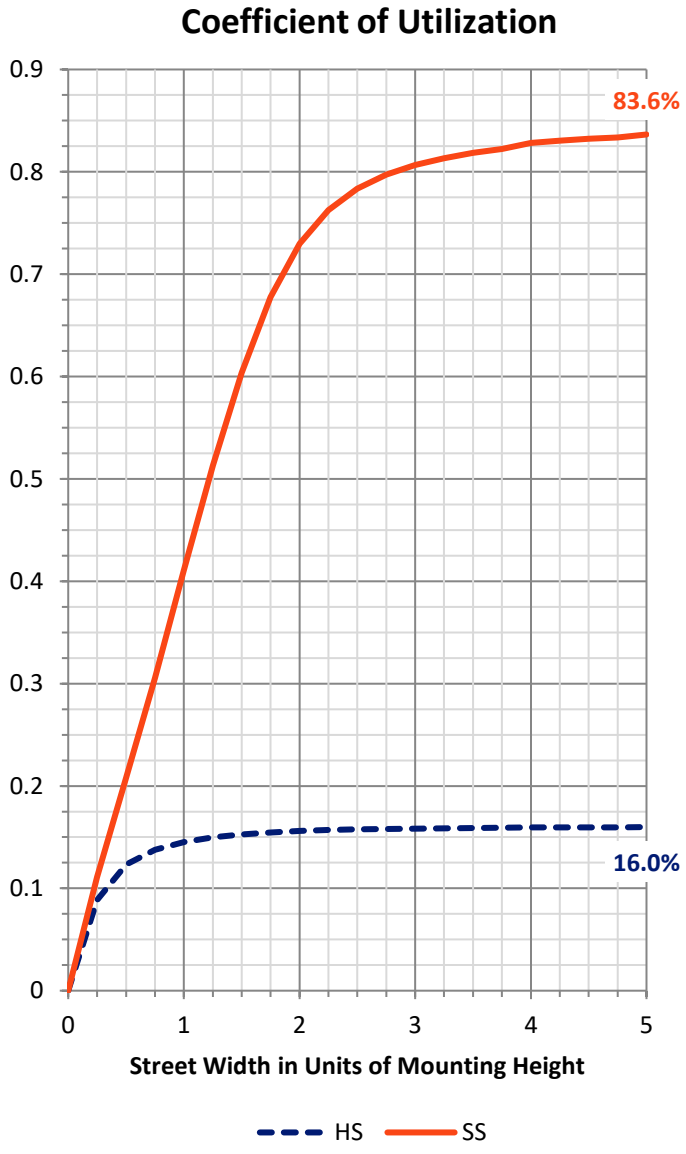
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2961.0 | 0.0 | 2961.0 |
| | % Fixture | 16.2 | 0.0 | 16.2 |
| **Street Side** | Lumens | 15355.8 | 0.0 | 15355.8 |
| | % Fixture | 83.8 | 0.0 | 83.8 |
| **Total** | Lumens | 18316.7 | 0.0 | 18316.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 304.3 | 1.7 |
| 10°-20° | 841.6 | 4.6 |
| 20°-30° | 1205.5 | 6.6 |
| 30°-40° | 1512.0 | 8.3 |
| 40°-50° | 2483.8 | 13.6 |
| 50°-60° | 4482.1 | 24.5 |
| 60°-70° | 4974.3 | 27.2 |
| 70°-80° | 2247.4 | 12.3 |
| 80°-90° | 265.7 | 1.5 |
| 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° | 18316.7 | 100.0 |
| 0°-180° | 18316.7 | 100.0 |



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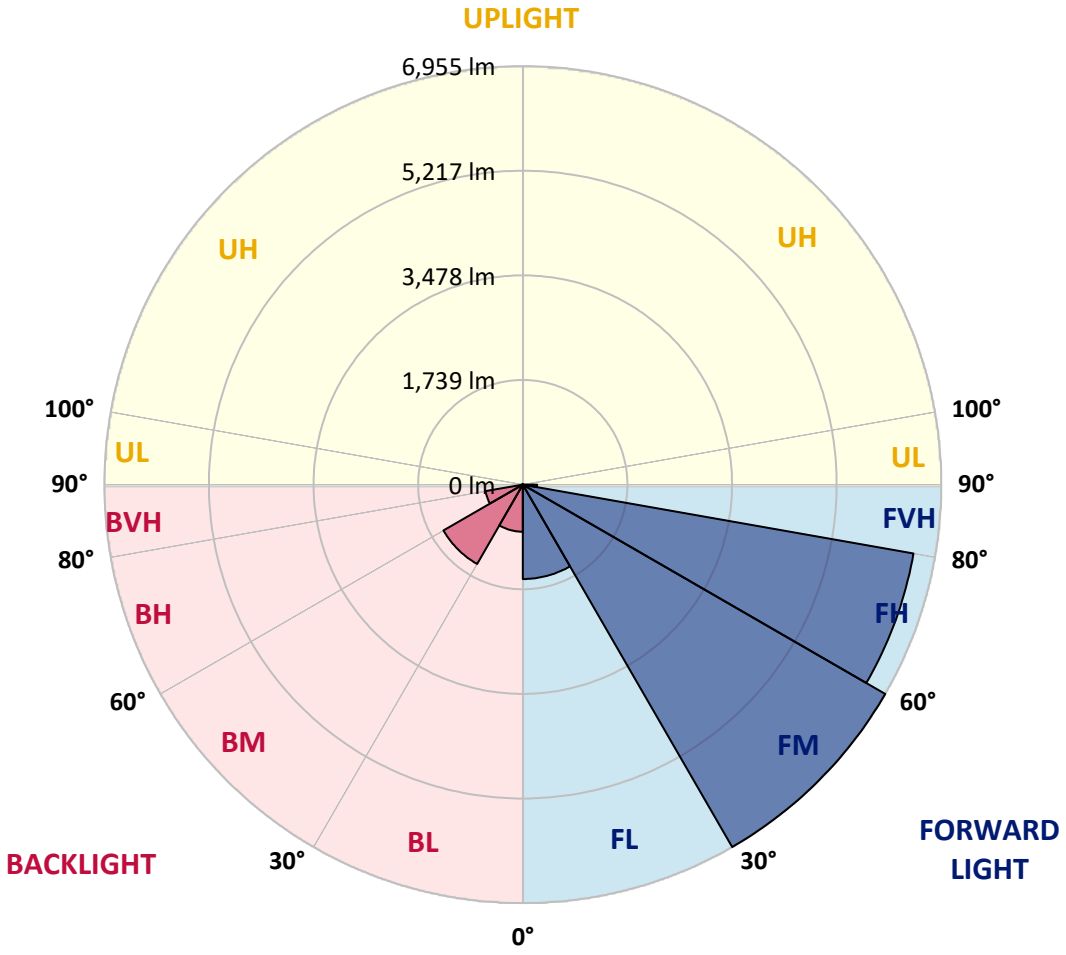
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1569.0 | 8.6 | | | |
| FM | (30°-60°) | 6955.4 | 38.0 | | | |
| FH | (60°-80°) | 6592.8 | 36.0 | | | G3/7500 |
| FVH | (80°-90°) | 238.5 | 1.3 | | | G3/500 |
| BL | (0°-30°) | 782.4 | 4.3 | B2/1000 | | |
| BM | (30°-60°) | 1522.5 | 8.3 | B2/2500 | | |
| BH | (60°-80°) | 628.8 | 3.4 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 27.2 | 0.1 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G3**
Type III Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 |
| 2.5° | 3571.5 | 3568.2 | 3554.7 | 3470.3 | 3385.9 | 3312.8 | 3239.7 | 3166.6 | 3065.3 | 2986.6 | 2919.1 |
| 5° | 3909.0 | 3891.0 | 3819.0 | 3689.7 | 3549.1 | 3425.3 | 3284.7 | 3149.7 | 2997.9 | 2874.1 | 2744.7 |
| 7.5° | 4139.6 | 4121.6 | 4049.6 | 3835.9 | 3622.2 | 3470.3 | 3318.4 | 3177.8 | 3009.1 | 2846.0 | 2660.4 |
| 10° | 4246.5 | 4226.2 | 4145.2 | 3914.6 | 3667.2 | 3481.6 | 3329.7 | 3200.3 | 3059.7 | 2896.6 | 2666.0 |
| 12.5° | 4319.6 | 4294.9 | 4195.9 | 3931.5 | 3678.4 | 3492.8 | 3335.3 | 3211.6 | 3110.3 | 3014.7 | 2789.7 |
| 15° | 4364.6 | 4342.1 | 4252.1 | 3976.5 | 3684.0 | 3475.9 | 3290.3 | 3172.2 | 3138.5 | 3155.3 | 3048.5 |
| 17.5° | 4432.1 | 4410.7 | 4325.2 | 4032.8 | 3717.8 | 3447.8 | 3194.7 | 3065.3 | 3138.5 | 3290.3 | 3324.1 |
| 20° | 4522.1 | 4499.6 | 4409.6 | 4105.9 | 3745.9 | 3363.4 | 3014.7 | 2891.0 | 3076.6 | 3329.7 | 3504.1 |
| 22.5° | 4623.3 | 4605.3 | 4533.3 | 4190.2 | 3774.0 | 3239.7 | 2778.5 | 2722.3 | 2947.2 | 3217.2 | 3442.2 |
| 25° | 4747.1 | 4730.2 | 4662.7 | 4308.4 | 3802.2 | 3071.0 | 2576.0 | 2587.3 | 2778.5 | 2992.2 | 3222.8 |
| 27.5° | 4915.8 | 4900.1 | 4837.1 | 4454.6 | 3835.9 | 2896.6 | 2412.9 | 2469.1 | 2609.8 | 2756.0 | 2896.6 |
| 30° | 5101.4 | 5089.0 | 5039.5 | 4629.0 | 3903.4 | 2733.5 | 2317.3 | 2351.0 | 2446.7 | 2564.8 | 2649.1 |
| 32.5° | 5354.5 | 5334.3 | 5253.3 | 4792.1 | 3897.8 | 2609.8 | 2272.3 | 2238.5 | 2266.7 | 2362.3 | 2446.7 |
| 35° | 5669.5 | 5653.7 | 5590.7 | 4960.8 | 3796.5 | 2497.3 | 2249.8 | 2131.7 | 2114.8 | 2171.1 | 2255.4 |
| 37.5° | 6130.7 | 6117.2 | 6063.2 | 5236.4 | 3639.0 | 2356.7 | 2193.6 | 2019.2 | 1962.9 | 2002.3 | 2058.6 |
| 40° | 6822.5 | 6787.6 | 6648.1 | 5551.4 | 3464.7 | 2216.0 | 2092.3 | 1884.2 | 1805.5 | 1833.6 | 1895.5 |
| 42.5° | 7761.8 | 7695.4 | 7429.9 | 5973.2 | 3228.5 | 2081.1 | 1940.4 | 1749.2 | 1664.8 | 1681.7 | 1738.0 |
| 45° | 8965.4 | 8865.3 | 8464.9 | 6552.5 | 2981.0 | 1974.2 | 1783.0 | 1608.6 | 1518.6 | 1535.5 | 1597.4 |
| 47.5° | 10371.6 | 10234.3 | 9685.4 | 7160.0 | 2716.6 | 1912.3 | 1659.2 | 1468.0 | 1400.5 | 1439.9 | 1501.7 |
| 50° | 12030.8 | 11892.4 | 11339.0 | 7548.1 | 2502.9 | 1873.0 | 1563.6 | 1338.6 | 1310.5 | 1361.1 | 1411.7 |
| 52.5° | 13841.9 | 13645.0 | 12857.6 | 7300.6 | 2328.5 | 1839.2 | 1529.9 | 1248.6 | 1259.9 | 1299.3 | 1349.9 |
| 55° | 15602.3 | 15164.7 | 13414.4 | 6479.4 | 2103.6 | 1799.8 | 1552.4 | 1181.1 | 1209.3 | 1259.9 | 1299.3 |
| 57.5° | 16749.7 | 15989.3 | 12947.6 | 5219.5 | 1867.3 | 1754.8 | 1569.2 | 1147.4 | 1169.9 | 1226.1 | 1271.1 |
| 60° | 15748.6 | 14983.6 | 11923.9 | 3909.0 | 1664.8 | 1659.2 | 1541.1 | 1136.1 | 1102.4 | 1181.1 | 1220.5 |
| 62.5° | 12902.6 | 12272.6 | 9752.9 | 2497.3 | 1473.6 | 1479.2 | 1479.2 | 1130.5 | 989.9 | 1091.2 | 1124.9 |
| 65° | *8864.2* | *8470.5* | *6895.6* | *1546.7* | *1203.6* | *1259.9* | *1344.3* | *1096.8* | *871.8* | *989.9* | *1023.7* |
| 67.5° | 5827.0 | 5537.9 | 4381.5 | 956.2 | 928.0 | 1034.9 | 1164.3 | 1029.3 | 781.8 | 888.7 | 911.2 |
| 70° | 3161.0 | 2941.6 | 2064.2 | 629.9 | 607.4 | 809.9 | 916.8 | 871.8 | 703.1 | 793.1 | 815.6 |
| 72.5° | 2086.7 | 1906.7 | 1186.8 | 444.3 | 444.3 | 635.6 | 641.2 | 714.3 | 629.9 | 703.1 | 725.6 |
| 75° | 1569.2 | 1408.4 | 764.9 | 309.3 | 343.1 | 405.0 | 500.6 | 511.8 | 528.7 | 596.2 | 624.3 |
| 77.5° | 719.9 | 632.2 | 281.2 | 185.6 | 253.1 | 281.2 | 382.5 | 326.2 | 393.7 | 444.3 | 455.6 |
| 80° | 416.2 | 364.5 | 157.5 | 123.7 | 163.1 | 180.0 | 315.0 | 191.2 | 236.2 | 315.0 | 331.8 |
| 82.5° | 174.4 | 155.2 | 78.7 | 84.4 | 101.2 | 106.9 | 174.4 | 135.0 | 151.9 | 208.1 | 202.5 |
| 85° | 50.6 | 50.6 | 50.6 | 56.2 | 61.9 | 61.9 | 101.2 | 95.6 | 90.0 | 95.6 | 95.6 |
| 87.5° | 33.7 | 33.7 | 33.7 | 33.7 | 39.4 | 39.4 | 45.0 | 50.6 | 56.2 | 56.2 | 56.2 |
| 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° | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 |
| 2.5° | 2891.0 | 2851.6 | 2801.0 | 2727.9 | 2716.6 | 2677.3 | 2649.1 | 2677.3 | 2705.4 | 2756.0 | 2761.6 |
| 5° | 2677.3 | 2615.4 | 2497.3 | 2407.3 | 2306.0 | 2255.4 | 2249.8 | 2238.5 | 2272.3 | 2345.4 | 2390.4 |
| 7.5° | 2559.1 | 2457.9 | 2244.2 | 2086.7 | 1946.1 | 1895.5 | 1856.1 | 1889.8 | 1884.2 | 1979.8 | 2019.2 |
| 10° | 2531.0 | 2373.5 | 2075.4 | 1839.2 | 1664.8 | 1597.4 | 1558.0 | 1552.4 | 1563.6 | 1619.9 | 1659.2 |
| 12.5° | 2632.3 | 2429.8 | 2007.9 | 1659.2 | 1456.7 | 1383.6 | 1338.6 | 1299.3 | 1299.3 | 1310.5 | 1361.1 |
| 15° | 2857.2 | 2615.4 | 2047.3 | 1574.9 | 1355.5 | 1259.9 | 1186.8 | 1136.1 | 1096.8 | 1102.4 | 1108.0 |
| 17.5° | 3172.2 | 2885.4 | 2148.6 | 1546.7 | 1293.6 | 1192.4 | 1102.4 | 1051.8 | 1006.8 | 995.5 | 995.5 |
| 20° | 3419.7 | 3144.1 | 2227.3 | 1524.2 | 1243.0 | 1113.6 | 1034.9 | 989.9 | 950.5 | 933.7 | 933.7 |
| 22.5° | 3447.8 | 3251.0 | 2294.8 | 1496.1 | 1181.1 | 1034.9 | 961.8 | 922.4 | 894.3 | 888.7 | 888.7 |
| 25° | 3262.2 | 3166.6 | 2272.3 | 1462.4 | 1119.3 | 961.8 | 905.5 | 871.8 | 843.7 | 838.0 | 843.7 |
| 27.5° | 2952.9 | 2902.2 | 2193.6 | 1417.4 | 1068.7 | 905.5 | 854.9 | 826.8 | 798.7 | 793.1 | 798.7 |
| 30° | 2677.3 | 2621.0 | 2058.6 | 1344.3 | 1029.3 | 860.5 | 804.3 | 776.2 | 748.1 | 748.1 | 753.7 |
| 32.5° | 2452.3 | 2396.0 | 1923.6 | 1259.9 | 978.7 | 809.9 | 759.3 | 731.2 | 703.1 | 703.1 | 714.3 |
| 35° | 2249.8 | 2204.8 | 1816.7 | 1175.5 | 928.0 | 764.9 | 708.7 | 686.2 | 663.7 | 658.1 | 669.3 |
| 37.5° | 2075.4 | 2052.9 | 1721.1 | 1085.5 | 877.4 | 719.9 | 669.3 | 646.8 | 618.7 | 613.1 | 624.3 |
| 40° | 1906.7 | 1895.5 | 1614.2 | 1006.8 | 815.6 | 674.9 | 624.3 | 601.8 | 568.1 | 568.1 | 579.3 |
| 42.5° | 1749.2 | 1743.6 | 1518.6 | 956.2 | 759.3 | 629.9 | 573.7 | 551.2 | 523.1 | 523.1 | 534.3 |
| 45° | 1625.5 | 1619.9 | 1428.6 | 928.0 | 703.1 | 579.3 | 528.7 | 500.6 | 478.1 | 483.7 | 495.0 |
| 47.5° | 1513.0 | 1501.7 | 1333.0 | 933.7 | 674.9 | 545.6 | 478.1 | 450.0 | 433.1 | 444.3 | 461.2 |
| 50° | 1423.0 | 1411.7 | 1265.5 | 939.3 | 629.9 | 500.6 | 438.7 | 410.6 | 399.3 | 416.2 | 433.1 |
| 52.5° | 1366.8 | 1355.5 | 1198.0 | 905.5 | 573.7 | 466.8 | 399.3 | 382.5 | 382.5 | 399.3 | 410.6 |
| 55° | 1310.5 | 1299.3 | 1085.5 | 832.4 | 511.8 | 433.1 | 371.2 | 360.0 | 360.0 | 376.8 | 388.1 |
| 57.5° | 1276.8 | 1254.3 | 967.4 | 748.1 | 461.2 | 393.7 | 343.1 | 343.1 | 343.1 | 348.7 | 354.3 |
| 60° | 1226.1 | 1169.9 | 843.7 | 641.2 | 421.8 | 354.3 | 320.6 | 315.0 | 315.0 | 309.3 | 315.0 |
| 62.5° | 1119.3 | 1023.7 | 708.7 | 545.6 | 376.8 | 320.6 | 292.5 | 286.8 | 270.0 | 253.1 | 258.7 |
| 65° | *1012.4* | *866.2* | *562.4* | *455.6* | *326.2* | *275.6* | *258.7* | *253.1* | *225.0* | *202.5* | *208.1* |
| 67.5° | 877.4 | 691.8 | 421.8 | 382.5 | 281.2 | 236.2 | 219.4 | 219.4 | 202.5 | 185.6 | 185.6 |
| 70° | 781.8 | 540.0 | 354.3 | 286.8 | 225.0 | 185.6 | 185.6 | 196.9 | 180.0 | 157.5 | 157.5 |
| 72.5° | 691.8 | 438.7 | 286.8 | 230.6 | 174.4 | 146.2 | 157.5 | 163.1 | 146.2 | 129.4 | 129.4 |
| 75° | 590.6 | 343.1 | 225.0 | 180.0 | 129.4 | 112.5 | 118.1 | 129.4 | 118.1 | 101.2 | 106.9 |
| 77.5° | 427.5 | 236.2 | 151.9 | 118.1 | 95.6 | 84.4 | 90.0 | 90.0 | 84.4 | 78.7 | 78.7 |
| 80° | 298.1 | 157.5 | 101.2 | 78.7 | 67.5 | 61.9 | 61.9 | 56.2 | 56.2 | 61.9 | 61.9 |
| 82.5° | 180.0 | 112.5 | 73.1 | 61.9 | 50.6 | 39.4 | 39.4 | 45.0 | 45.0 | 50.6 | 50.6 |
| 85° | 78.7 | 67.5 | 50.6 | 45.0 | 33.7 | 28.1 | 33.7 | 33.7 | 39.4 | 45.0 | 45.0 |
| 87.5° | 50.6 | 50.6 | 39.4 | 33.7 | 28.1 | 22.5 | 22.5 | 28.1 | 28.1 | 33.7 | 39.4 |
| 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):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 |
| 2.5° | 2784.1 | 2840.4 | 2907.9 | 3003.5 | 3087.8 | 3189.1 | 3290.3 | 3385.9 | 3475.9 | 3487.2 | 3526.6 |
| 5° | 2424.2 | 2531.0 | 2666.0 | 2823.5 | 3014.7 | 3217.2 | 3414.1 | 3622.2 | 3790.9 | 3852.8 | 3942.8 |
| 7.5° | 2052.9 | 2187.9 | 2384.8 | 2626.6 | 2896.6 | 3200.3 | 3504.1 | 3796.5 | 4049.6 | 4167.7 | 4285.9 |
| 10° | 1698.6 | 1828.0 | 2069.8 | 2362.3 | 2711.0 | 3121.6 | 3526.6 | 3920.3 | 4229.6 | 4364.6 | 4477.1 |
| 12.5° | 1378.0 | 1507.4 | 1704.2 | 2041.7 | 2463.5 | 2958.5 | 3492.8 | 3965.3 | 4308.4 | 4449.0 | 4555.8 |
| 15° | 1124.9 | 1231.8 | 1417.4 | 1732.3 | 2176.7 | 2733.5 | 3374.7 | 3931.5 | 4325.2 | 4460.2 | 4539.0 |
| 17.5° | 989.9 | 1018.0 | 1136.1 | 1423.0 | 1906.7 | 2531.0 | 3222.8 | 3886.5 | 4336.5 | 4460.2 | 4505.2 |
| 20° | 933.7 | 933.7 | 956.2 | 1108.0 | 1580.5 | 2317.3 | 3110.3 | 3858.4 | 4353.4 | 4477.1 | 4471.5 |
| 22.5° | 883.0 | 894.3 | 894.3 | 928.0 | 1203.6 | 2019.2 | 2992.2 | 3847.1 | 4404.0 | 4499.6 | 4420.8 |
| 25° | 838.0 | 854.9 | 854.9 | 866.2 | 944.9 | 1664.8 | 2846.0 | 3869.6 | 4494.0 | 4544.6 | 4387.1 |
| 27.5° | 798.7 | 815.6 | 815.6 | 826.8 | 843.7 | 1237.4 | 2604.1 | 3875.3 | 4595.2 | 4600.8 | 4342.1 |
| 30° | 759.3 | 776.2 | 787.4 | 787.4 | 798.7 | 911.2 | 2300.4 | 3841.5 | 4707.7 | 4673.9 | 4336.5 |
| 32.5° | 714.3 | 736.8 | 742.4 | 753.7 | 759.3 | 793.1 | 1906.7 | 3785.3 | 4848.3 | 4775.2 | 4342.1 |
| 35° | 674.9 | 703.1 | 708.7 | 708.7 | 719.9 | 753.7 | 1524.2 | 3723.4 | 5039.5 | 4910.2 | 4364.6 |
| 37.5° | 635.6 | 658.1 | 663.7 | 669.3 | 680.6 | 714.3 | 1209.3 | 3633.4 | 5202.7 | 5078.9 | 4477.1 |
| 40° | 590.6 | 618.7 | 624.3 | 629.9 | 641.2 | 674.9 | 1040.5 | 3520.9 | 5450.1 | 5360.1 | 4645.8 |
| 42.5° | 545.6 | 573.7 | 584.9 | 590.6 | 596.2 | 641.2 | 950.5 | 3442.2 | 5849.5 | 5753.9 | 4988.9 |
| 45° | 506.2 | 534.3 | 545.6 | 545.6 | 556.8 | 618.7 | 871.8 | 3616.5 | 6400.7 | 6355.7 | 5450.1 |
| 47.5° | 472.5 | 500.6 | 506.2 | 506.2 | 511.8 | 584.9 | 804.3 | 4083.4 | 7244.3 | 7126.2 | 6170.1 |
| 50° | 444.3 | 466.8 | 478.1 | 466.8 | 472.5 | 556.8 | 843.7 | 4853.9 | 8324.2 | 8363.6 | 7227.5 |
| 52.5° | 421.8 | 444.3 | 450.0 | 427.5 | 427.5 | 517.5 | 894.3 | 5483.9 | 9702.2 | 10062.2 | 8903.6 |
| 55° | 393.7 | 416.2 | 421.8 | 393.7 | 393.7 | 455.6 | 776.2 | 5523.2 | 11271.5 | 12430.1 | 11085.9 |
| 57.5° | 365.6 | 388.1 | 388.1 | 365.6 | 360.0 | 393.7 | 629.9 | 4898.9 | 12486.4 | 15113.0 | 14072.5 |
| 60° | 331.8 | 354.3 | 348.7 | 337.5 | 326.2 | 360.0 | 579.3 | 3734.7 | 12323.3 | 16862.2 | 17497.8 |
| 62.5° | 270.0 | 303.7 | 315.0 | 309.3 | 286.8 | 326.2 | 540.0 | 2435.4 | 10664.0 | 15343.6 | 17390.9 |
| 65° | *225.0* | *253.1* | *270.0* | *270.0* | *253.1* | *360.0* | *472.5* | *1282.4* | *8538.0* | *13020.7* | *15332.4* |
| 67.5° | 196.9 | 225.0 | 236.2 | 230.6 | 219.4 | 320.6 | 298.1 | 618.7 | 6546.9 | 11220.9 | 13723.7 |
| 70° | 174.4 | 196.9 | 208.1 | 191.2 | 180.0 | 258.7 | 213.7 | 365.6 | 4381.5 | 9364.8 | 12222.0 |
| 72.5° | 140.6 | 163.1 | 174.4 | 157.5 | 140.6 | 191.2 | 163.1 | 241.9 | 2851.6 | 7981.1 | 10860.9 |
| 75° | 112.5 | 135.0 | 140.6 | 129.4 | 112.5 | 140.6 | 129.4 | 168.7 | 1861.7 | 6603.1 | 9235.4 |
| 77.5° | 84.4 | 95.6 | 106.9 | 101.2 | 84.4 | 101.2 | 90.0 | 118.1 | 1063.0 | 4634.6 | 6479.4 |
| 80° | 67.5 | 73.1 | 73.1 | 73.1 | 67.5 | 61.9 | 61.9 | 78.7 | 478.1 | 2283.5 | 3380.3 |
| 82.5° | 56.2 | 61.9 | 61.9 | 56.2 | 50.6 | 45.0 | 39.4 | 45.0 | 140.6 | 1023.7 | 1558.0 |
| 85° | 50.6 | 56.2 | 45.0 | 39.4 | 33.7 | 28.1 | 16.9 | 16.9 | 39.4 | 163.1 | 303.7 |
| 87.5° | 39.4 | 33.7 | 28.1 | 22.5 | 11.2 | 5.6 | 5.6 | 0.0 | 5.6 | 5.6 | 5.6 |
| 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: P1364571
CATALOG NUMBER: GSS-SB6A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 | 3166.6 |
| 2.5° | 3588.4 | 3644.7 | 3684.0 | 3717.8 | 3706.5 | 3678.4 | 3622.2 | 3582.8 | 3573.8 | 3571.5 |
| 5° | 4060.9 | 4150.9 | 4229.6 | 4218.4 | 4229.6 | 4145.2 | 4060.9 | 3959.6 | 3919.1 | 3909.0 |
| 7.5° | 4454.6 | 4567.1 | 4662.7 | 4651.5 | 4617.7 | 4522.1 | 4381.5 | 4229.6 | 4157.6 | 4139.6 |
| 10° | 4668.3 | 4797.7 | 4876.4 | 4848.3 | 4792.1 | 4668.3 | 4527.7 | 4347.7 | 4266.7 | 4246.5 |
| 12.5° | 4707.7 | 4792.1 | 4775.2 | 4763.9 | 4752.7 | 4690.8 | 4584.0 | 4420.8 | 4339.9 | 4319.6 |
| 15° | 4606.5 | 4572.7 | 4477.1 | 4454.6 | 4539.0 | 4617.7 | 4595.2 | 4460.2 | 4383.7 | 4364.6 |
| 17.5° | 4437.7 | 4263.4 | 4089.0 | 4066.5 | 4207.1 | 4426.5 | 4600.8 | 4522.1 | 4450.1 | 4432.1 |
| 20° | 4252.1 | 3925.9 | 3734.7 | 3695.3 | 3869.6 | 4195.9 | 4539.0 | 4584.0 | 4534.5 | 4522.1 |
| 22.5° | 4032.8 | 3650.3 | 3447.8 | 3425.3 | 3554.7 | 3937.1 | 4449.0 | 4651.5 | 4629.0 | 4623.3 |
| 25° | 3841.5 | 3408.4 | 3217.2 | 3183.5 | 3352.2 | 3723.4 | 4359.0 | 4763.9 | 4750.4 | 4747.1 |
| 27.5° | 3684.0 | 3234.1 | 3031.6 | 3009.1 | 3172.2 | 3543.4 | 4246.5 | 4859.6 | 4904.6 | 4915.8 |
| 30° | 3560.3 | 3104.7 | 2902.2 | 2874.1 | 3054.1 | 3419.7 | 4167.7 | 4994.5 | 5080.0 | 5101.4 |
| 32.5° | 3464.7 | 3031.6 | 2840.4 | 2823.5 | 3014.7 | 3369.1 | 4122.7 | 5135.2 | 5310.6 | 5354.5 |
| 35° | 3430.9 | 3054.1 | 2924.7 | 2964.1 | 3110.3 | 3419.7 | 4156.5 | 5365.8 | 5608.7 | 5669.5 |
| 37.5° | 3504.1 | 3301.6 | 3391.6 | 3492.8 | 3549.1 | 3661.5 | 4314.0 | 5737.0 | 6051.9 | 6130.7 |
| 40° | 3740.3 | 3965.3 | 4387.1 | 4584.0 | 4561.5 | 4302.7 | 4673.9 | 6260.1 | 6710.0 | 6822.5 |
| 42.5° | 4342.1 | 5073.3 | 5967.6 | 6299.4 | 6108.2 | 5326.4 | 5247.6 | 7120.6 | 7633.6 | 7761.8 |
| 45° | 5236.4 | 6411.9 | 7879.9 | 8628.0 | 7969.9 | 6625.6 | 6153.2 | 8346.7 | 8841.7 | 8965.4 |
| 47.5° | 6130.7 | 7908.0 | 10242.2 | 11130.9 | 9837.2 | 7913.7 | 7340.0 | 9814.7 | 10260.2 | 10371.6 |
| 50° | 7041.9 | 9561.6 | 12598.9 | 13785.6 | 11698.9 | 9224.2 | 8599.8 | 11625.8 | 11949.8 | 12030.8 |
| 52.5° | 7981.1 | 11040.9 | 15197.4 | 16221.0 | 13645.0 | 10236.6 | 10039.7 | 13600.0 | 13793.5 | 13841.9 |
| 55° | 9027.3 | 12441.4 | 17801.5 | 18628.3 | 15416.7 | 11119.6 | 11727.1 | 15664.2 | 15614.7 | 15602.3 |
| 57.5° | 10422.2 | 13915.0 | 19899.4 | 21052.5 | 17025.3 | 12312.0 | 13982.5 | 17959.0 | 16991.6 | 16749.7 |
| 60° | 12857.6 | 16204.1 | 22509.2 | 23763.5 | 19179.5 | 14055.6 | 15641.7 | 17908.4 | 16180.5 | 15748.6 |
| 62.5° | 15681.1 | 18408.9 | 24871.5 | 25928.9 | 21446.2 | 15787.9 | 14319.9 | 15039.9 | 13330.0 | 12902.6 |
| 65° | 13622.5 | 18020.9 | 24944.6 | 26030.1 | 21530.5 | 14730.5 | 10585.3 | 10664.0 | 9224.2 | 8864.2 |
| 67.5° | 11592.1 | 15973.5 | 22717.3 | 23572.2 | 19207.6 | 12177.0 | 7019.4 | 6957.5 | 6053.1 | 5827.0 |
| 70° | 10320.9 | 13993.7 | 19578.8 | 18842.0 | 16147.9 | 10292.8 | 4662.7 | 3864.0 | 3301.6 | 3161.0 |
| 72.5° | 9274.8 | 11102.7 | 15866.7 | 12986.9 | 13397.5 | 8374.9 | 2964.1 | 2632.3 | 2195.8 | 2086.7 |
| 75° | 8397.4 | 9184.8 | 9899.1 | 8976.7 | 9516.6 | 6901.2 | 2514.1 | 2030.4 | 1661.5 | 1569.2 |
| 77.5° | 6681.9 | 7148.7 | 5860.7 | 5692.0 | 6665.0 | 4910.2 | 1248.6 | 854.9 | 746.9 | 719.9 |
| 80° | 3976.5 | 3380.3 | 3324.1 | 3790.9 | 4437.7 | 2547.9 | 764.9 | 472.5 | 427.5 | 416.2 |
| 82.5° | 2407.3 | 1220.5 | 1327.4 | 1676.1 | 2362.3 | 1158.6 | 455.6 | 202.5 | 180.0 | 174.4 |
| 85° | 405.0 | 331.8 | 511.8 | 489.3 | 461.2 | 247.5 | 123.7 | 56.2 | 51.7 | 50.6 |
| 87.5° | 11.2 | 16.9 | 22.5 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 32.6 | 33.7 |
| 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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

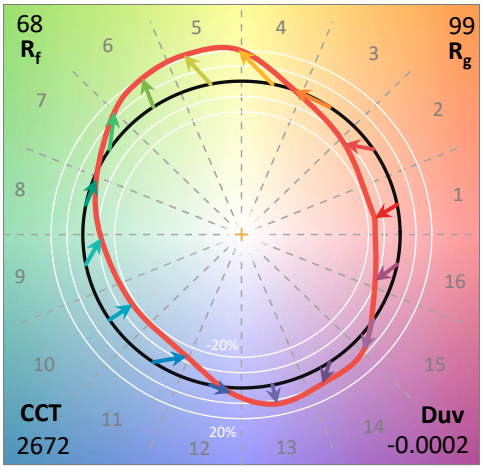
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-3 |
| 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-727-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2672 |
| CIE u': | 0.2638 |
| CIE v': | 0.5276 |
| Duv: | -0.0002 |
| CIE x: | 0.4619 |
| CIE y: | 0.4106 |
| CIE z: | 0.1275 |
| Peak Wavelength (nm): | 601 |
| Dominant Wavelength (nm): | 584 |
| Purity: | 61.88407 |
| Rf: | 67.9 |
| Rg: | 98.6 |

| | |
|---|---|
| CRI (Ra): | 71.1 |
| R1: | 68.3 |
| R2: | 79.8 |
| R3: | 91.2 |
| R4: | 69.4 |
| R5: | 66.5 |
| R6: | 72.6 |
| R7: | 77.0 |
| R8: | 44.1 |
| R9: | -27.8 |
| R10: | 54.4 |
| R11: | 65.8 |
| R12: | 45.6 |
| R13: | 69.8 |
| R14: | 94.5 |
| R15: | 60.1 |




## Test Conditions

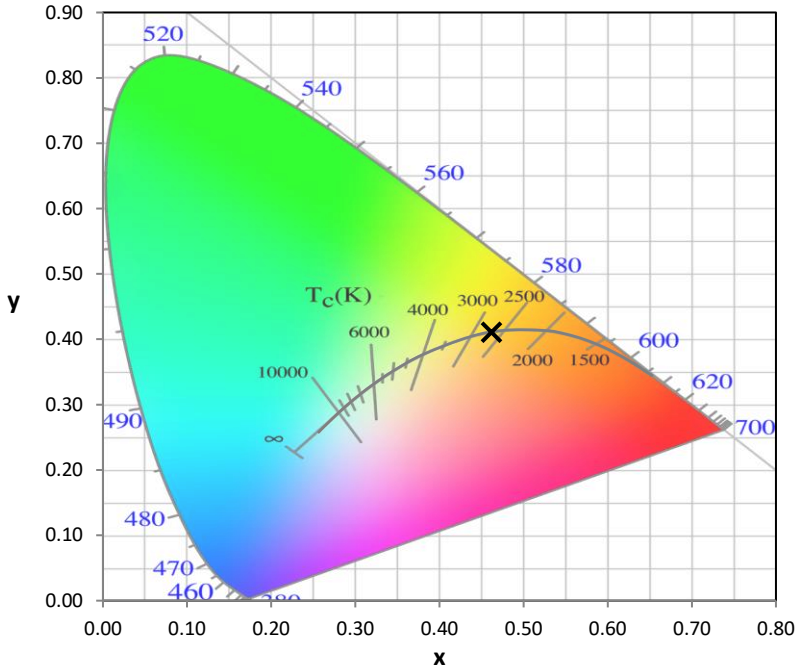
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-3

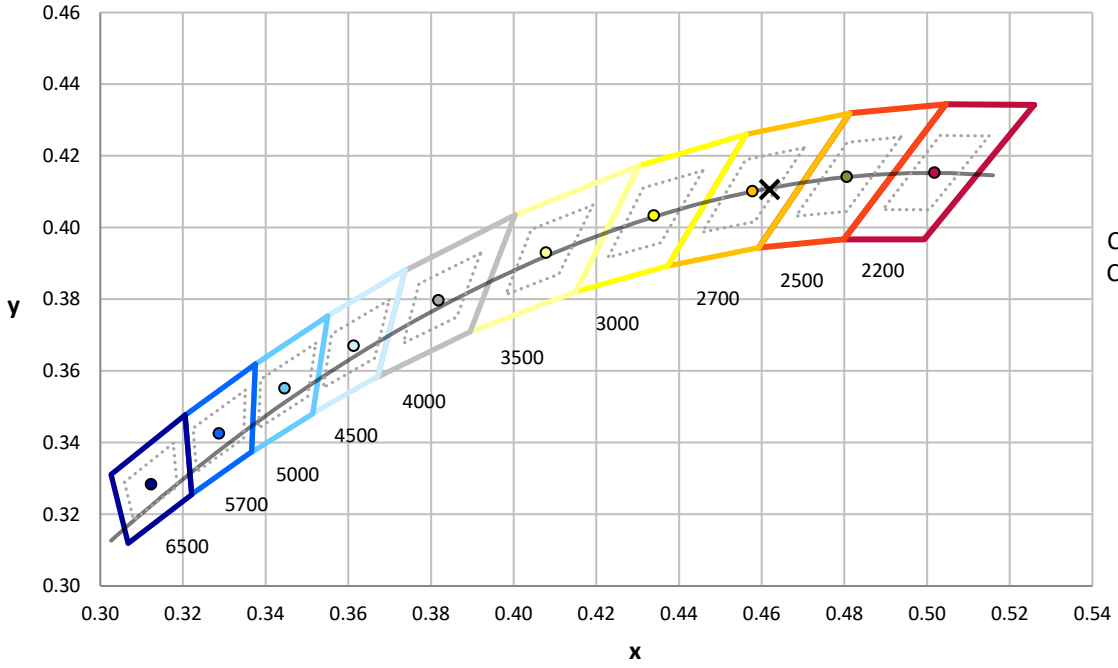
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-3

## CIE 1931 Chromaticity Diagram




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

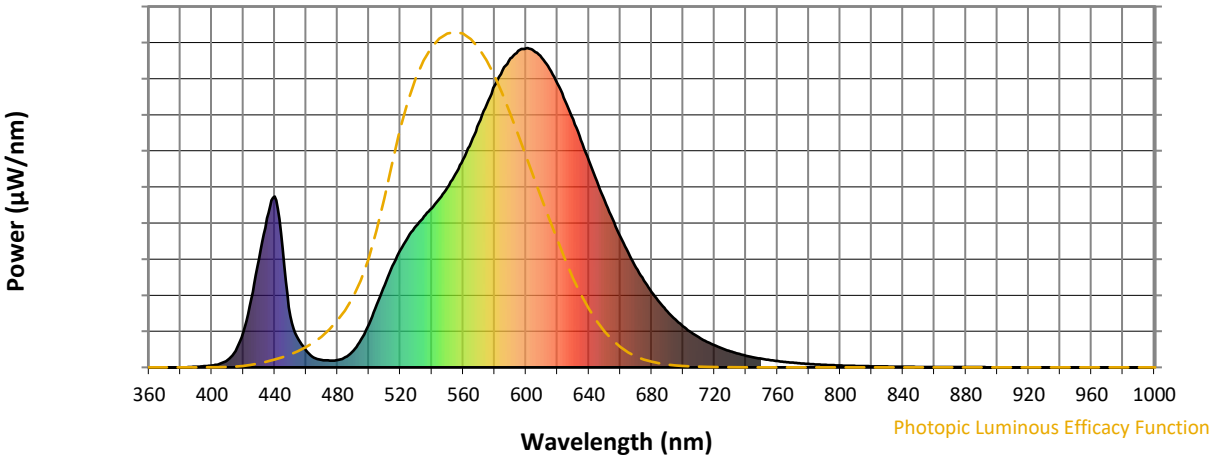



CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

## Photopic Flux vs. Wavelength

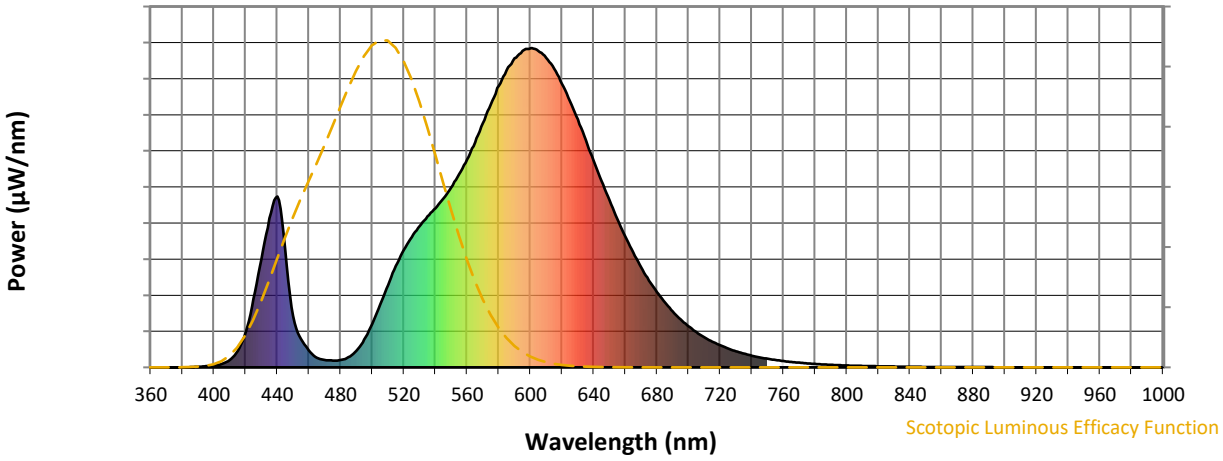



## Photopic Lumens: NR

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Scotopic Flux vs. Wavelength

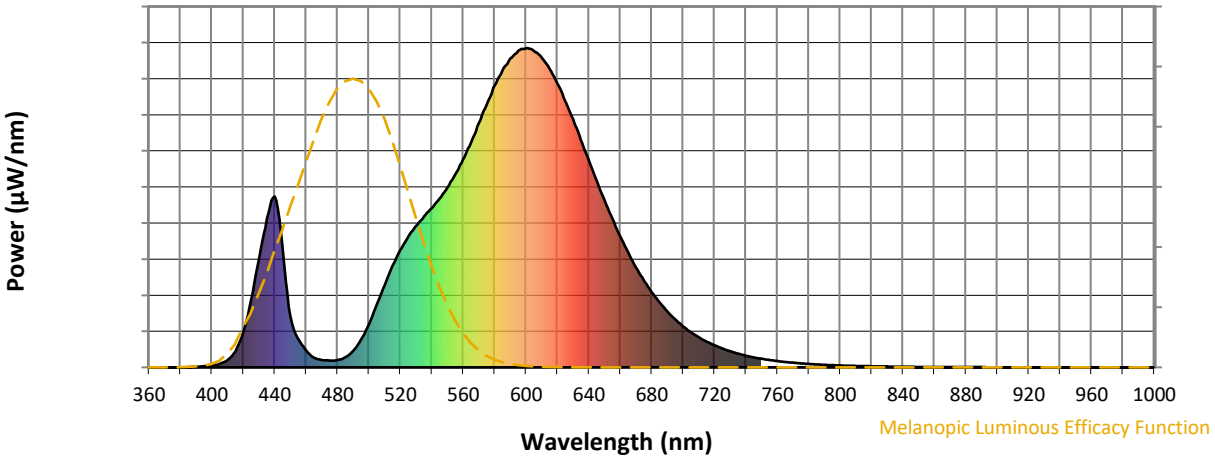



**Scotopic Lumens: NR** **S/P: 1.02**

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 1.71**

| 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 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

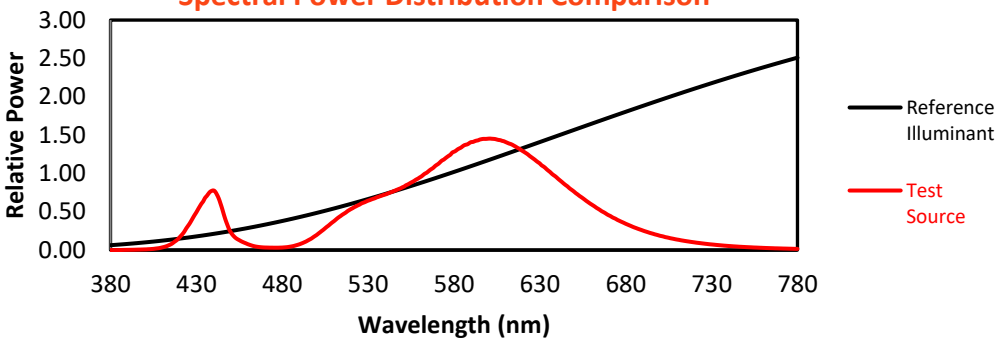
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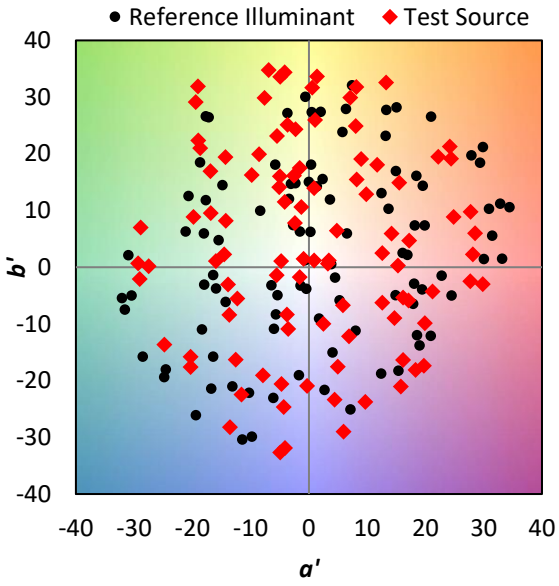
## Summary

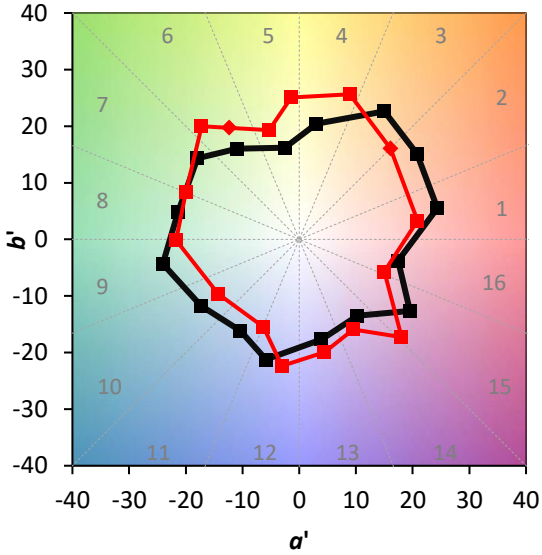
$R_f$ = 67.9
$R_g$ = 98.6
CIE $R_a$ = 71.1
$R_9$ = -27.8

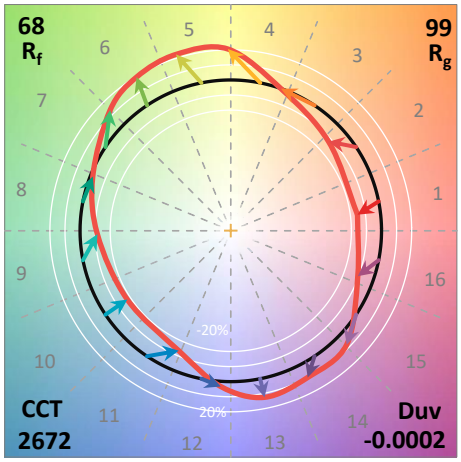
## Spectral Power Distribution Comparison

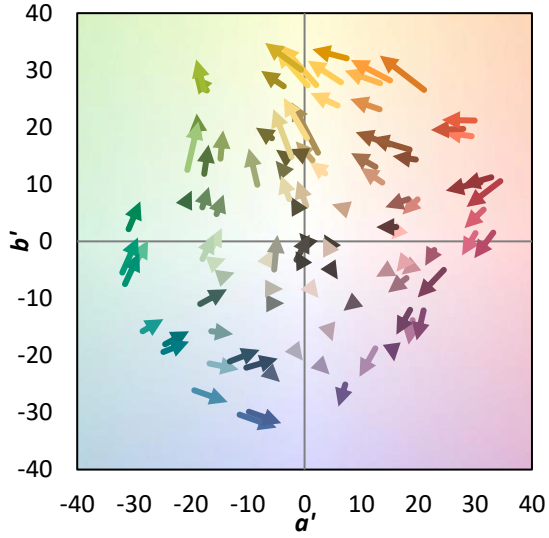



## Color Vector Graphics



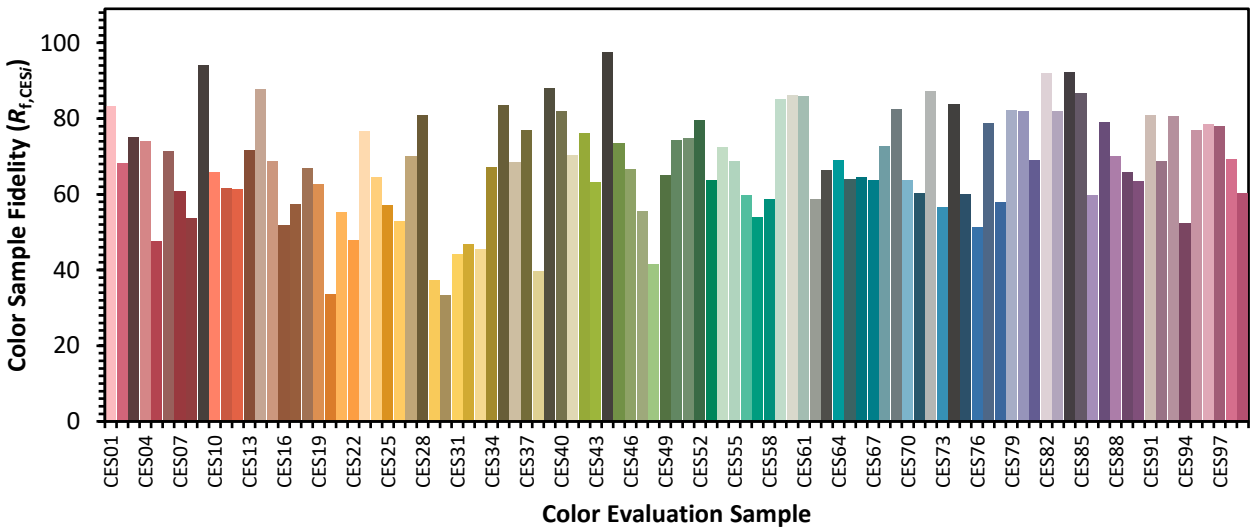



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**Individual Sample Fidelity Index ($R_{f,i}$)**

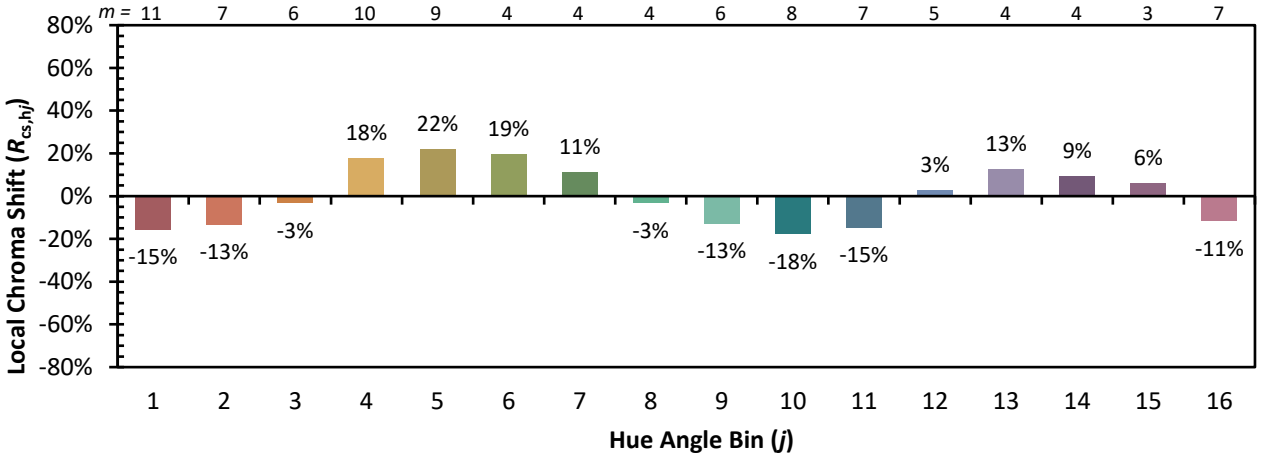
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 53 | CES51 = 75 | CES76 = 51 |
| CES02 = 63 | CES27 = 70 | CES52 = 80 | CES77 = 79 |
| CES03 = 31 | CES28 = 81 | CES53 = 64 | CES78 = 58 |
| CES04 = 71 | CES29 = 37 | CES54 = 73 | CES79 = 82 |
| CES05 = 50 | CES30 = 33 | CES55 = 69 | CES80 = 82 |
| CES06 = 52 | CES31 = 44 | CES56 = 60 | CES81 = 69 |
| CES07 = 42 | CES32 = 47 | CES57 = 54 | CES82 = 92 |
| CES08 = 41 | CES33 = 45 | CES58 = 59 | CES83 = 82 |
| CES09 = 29 | CES34 = 67 | CES59 = 85 | CES84 = 92 |
| CES10 = 77 | CES35 = 84 | CES60 = 86 | CES85 = 87 |
| CES11 = 60 | CES36 = 68 | CES61 = 86 | CES86 = 60 |
| CES12 = 66 | CES37 = 77 | CES62 = 59 | CES87 = 79 |
| CES13 = 44 | CES38 = 40 | CES63 = 66 | CES88 = 70 |
| CES14 = 74 | CES39 = 88 | CES64 = 69 | CES89 = 66 |
| CES15 = 72 | CES40 = 82 | CES65 = 64 | CES90 = 64 |
| CES16 = 48 | CES41 = 70 | CES66 = 65 | CES91 = 81 |
| CES17 = 51 | CES42 = 76 | CES67 = 64 | CES92 = 69 |
| CES18 = 57 | CES43 = 63 | CES68 = 73 | CES93 = 81 |
| CES19 = 73 | CES44 = 97 | CES69 = 83 | CES94 = 53 |
| CES20 = 67 | CES45 = 74 | CES70 = 64 | CES95 = 77 |
| CES21 = 88 | CES46 = 67 | CES71 = 60 | CES96 = 79 |
| CES22 = 80 | CES47 = 55 | CES72 = 87 | CES97 = 78 |
| CES23 = 92 | CES48 = 42 | CES73 = 57 | CES98 = 69 |
| CES24 = 92 | CES49 = 65 | CES74 = 84 | CES99 = 60 |
| CES25 = 73 | CES50 = 74 | CES75 = 60 | |

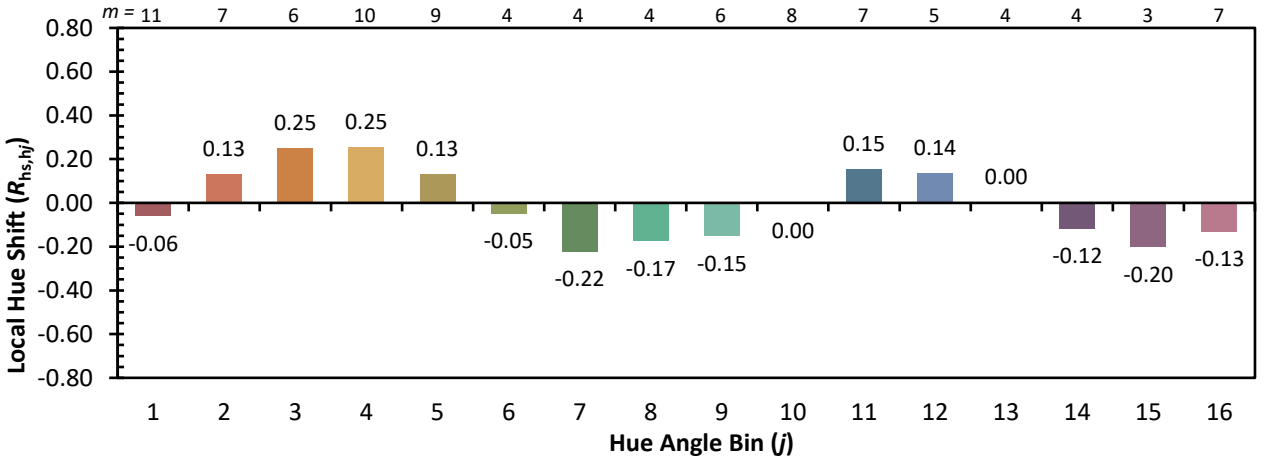


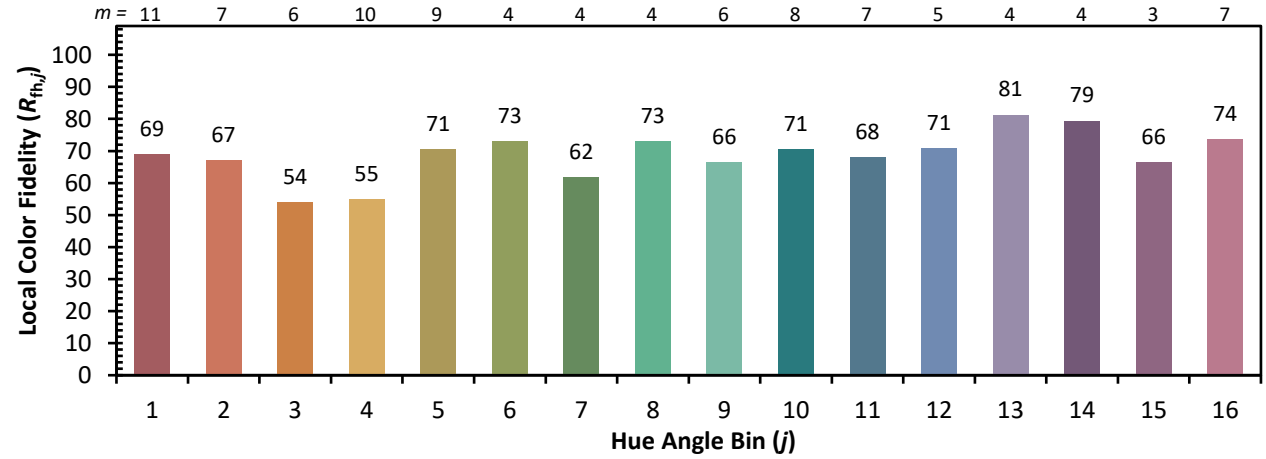
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## Color Rendition by Hue-Angle Bin



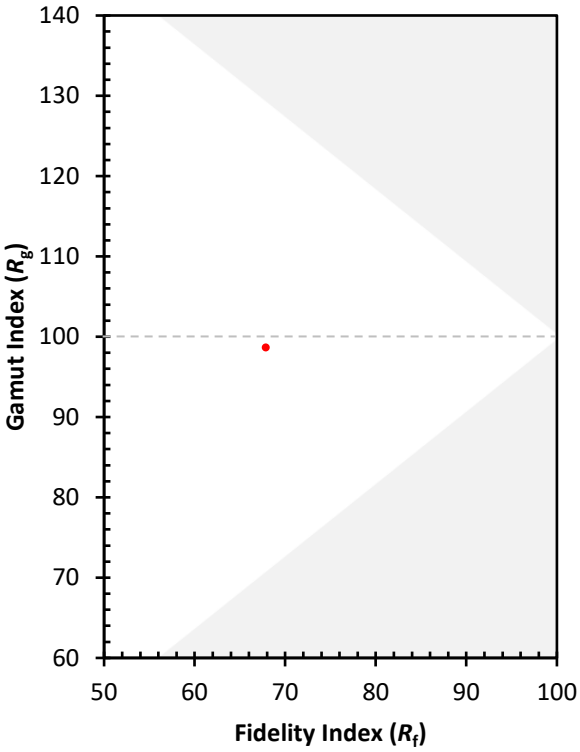



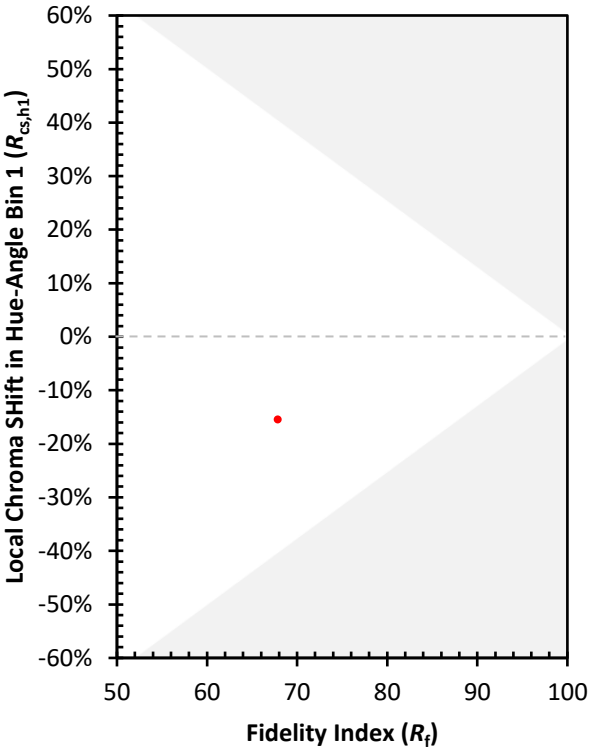



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## Measure Comparisons




(END OF REPORT)