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: P1365336

Luminaire Tested: **GSS-SB5B-727-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1365336 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5B-727-U-SLL-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD |
| Light Source: | (130) 2700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 19233.4 lumens |
| Efficiency: | N/A |
| Efficacy: | 104.5 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type III - Short |
| BUG Rating: | B3 - U0 - G3 |

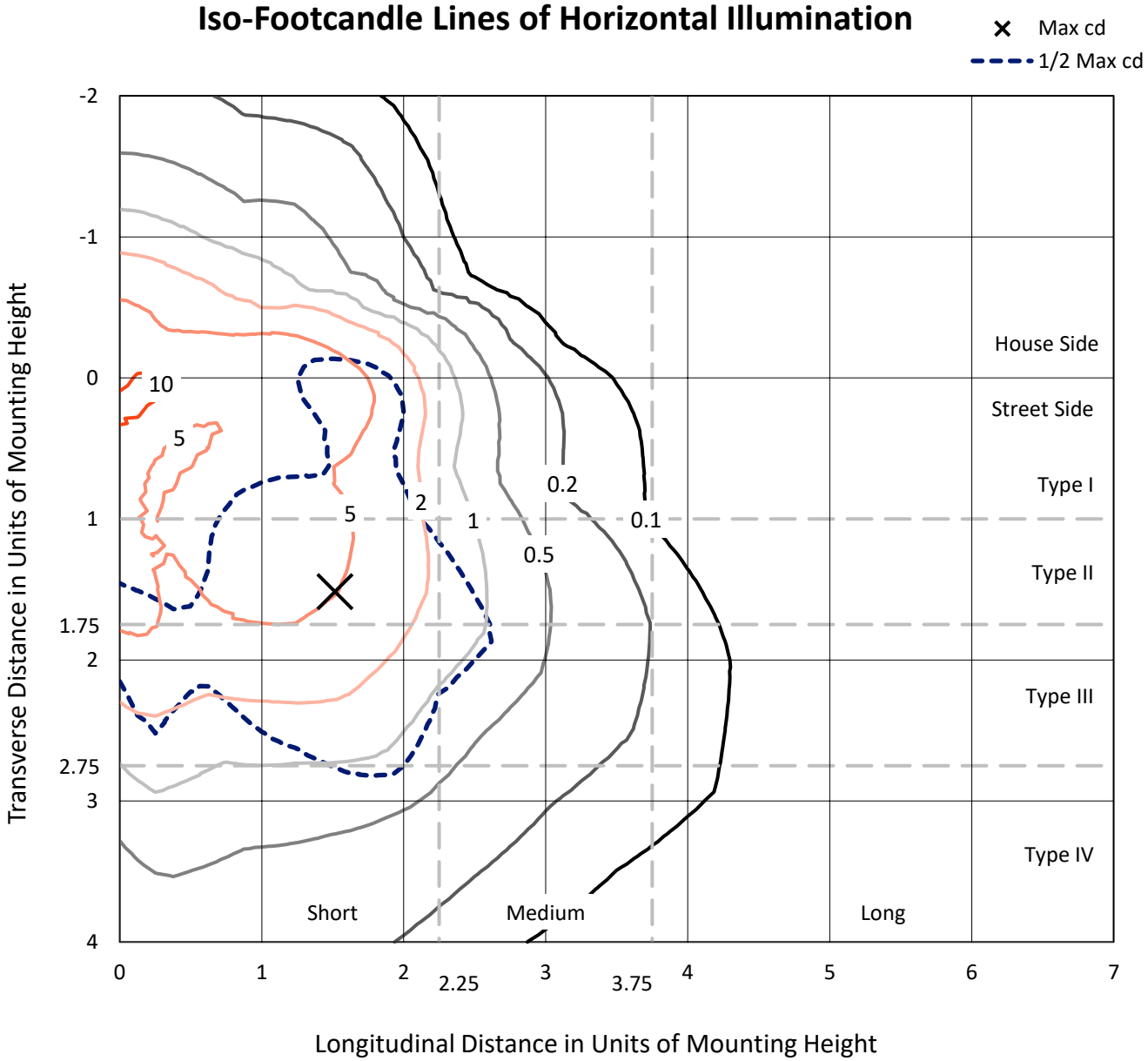
| | |
|---|---|
| Input Watts (W): | 184 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 11.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



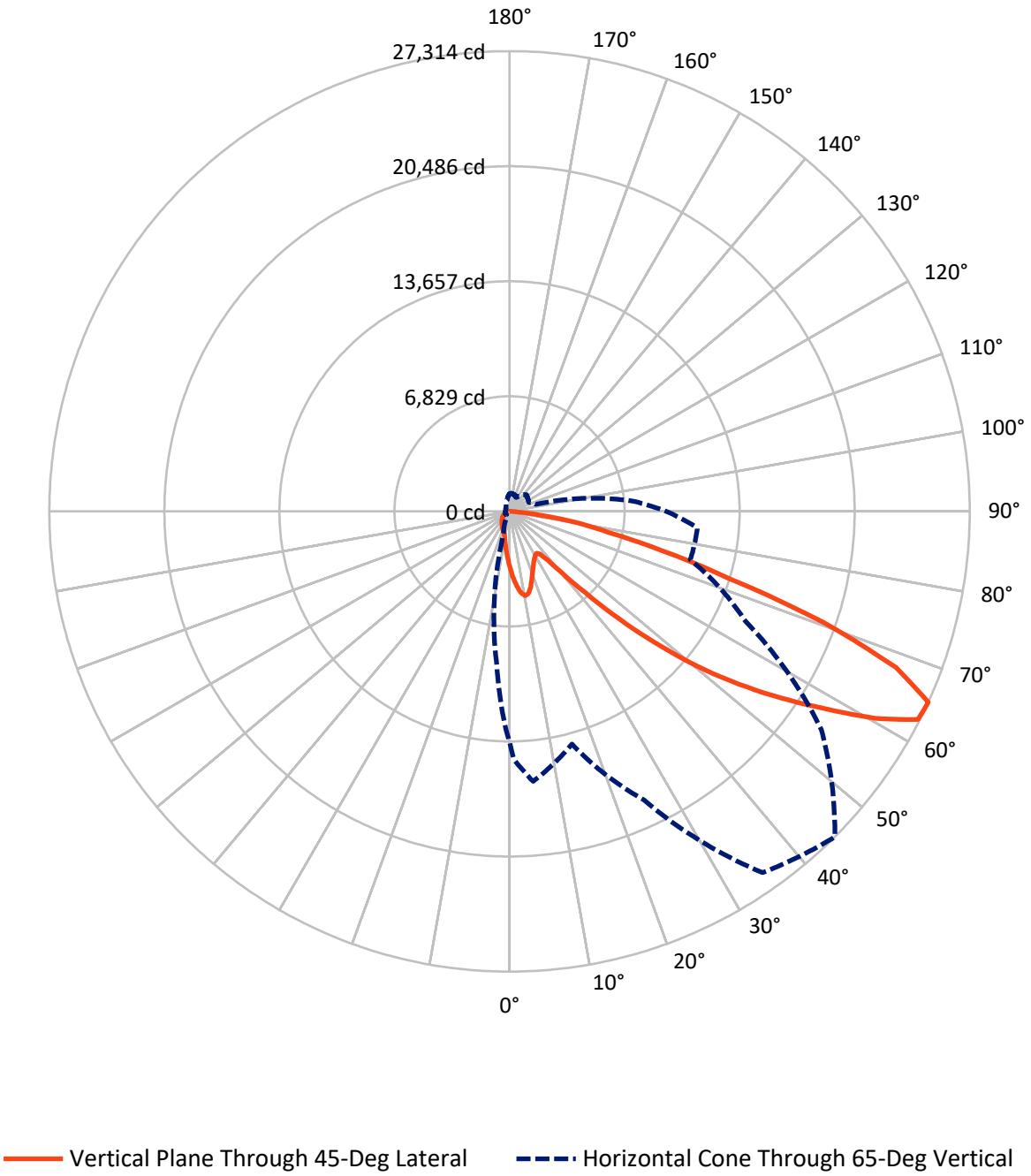

Based on 20 foot mounting height. Maximum calculated value = 12.1 fc
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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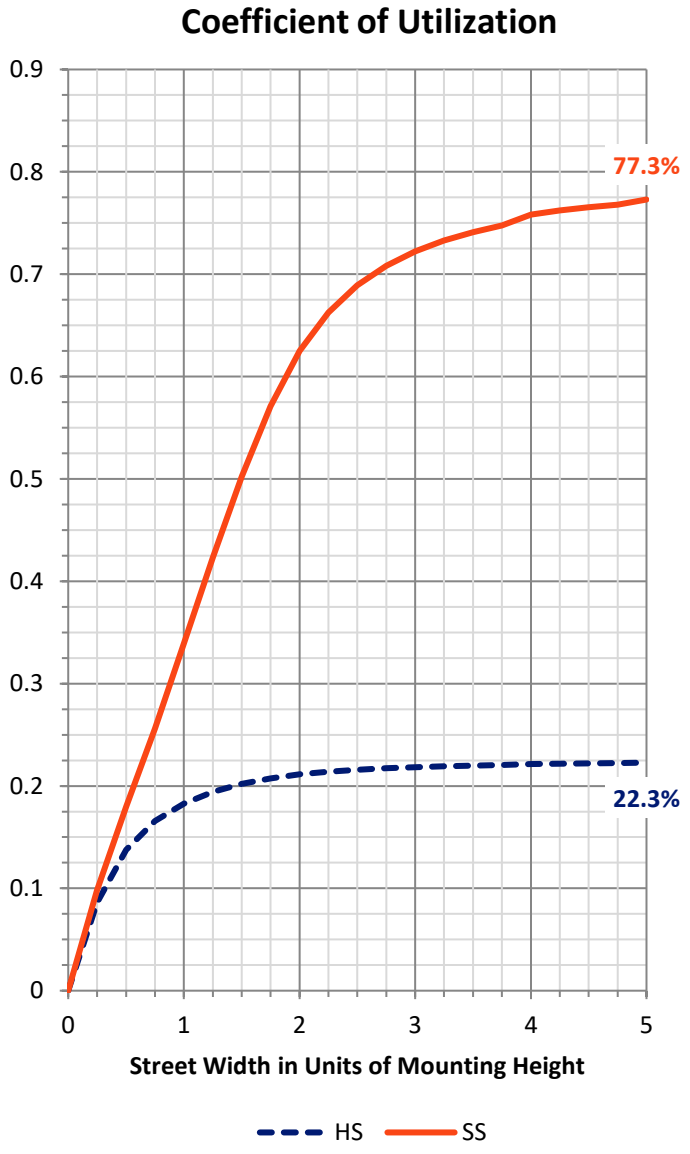
REPORT NUMBER: P1365336
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4326.5 | 0.0 | 4326.5 |
| | % Fixture | 22.5 | 0.0 | 22.5 |
| **Street Side** | Lumens | 14906.9 | 0.0 | 14906.9 |
| | % Fixture | 77.5 | 0.0 | 77.5 |
| **Total** | Lumens | 19233.4 | 0.0 | 19233.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 319.4 | 1.7 |
| 10°-20° | 883.2 | 4.6 |
| 20°-30° | 1265.0 | 6.6 |
| 30°-40° | 1586.8 | 8.3 |
| 40°-50° | 2606.6 | 13.6 |
| 50°-60° | 4706.3 | 24.5 |
| 60°-70° | 5224.8 | 27.2 |
| 70°-80° | 2361.7 | 12.3 |
| 80°-90° | 279.5 | 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° | 19233.4 | 100.0 |
| 0°-180° | 19233.4 | 100.0 |



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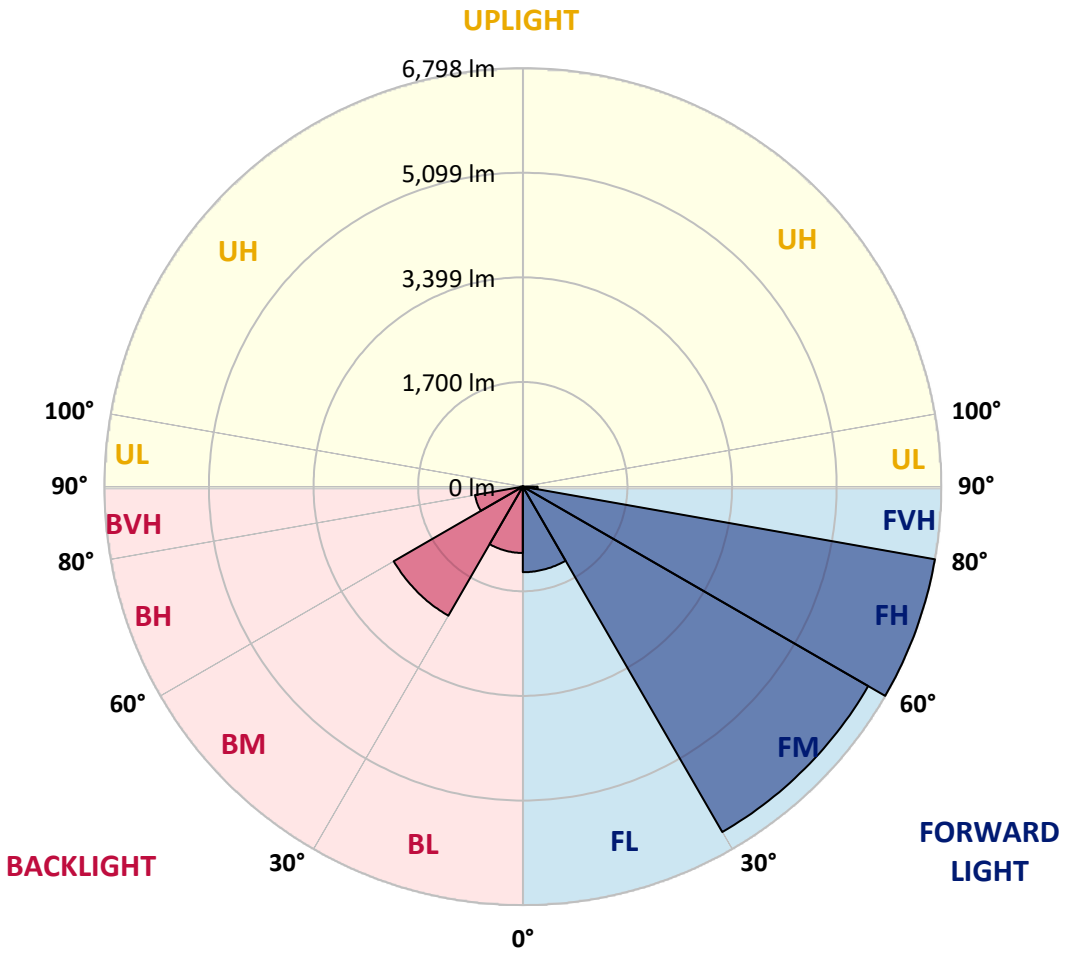
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1389.4 | 7.2 | | | |
| FM | (30°-60°) | 6479.1 | 33.7 | | | |
| FH | (60°-80°) | 6798.4 | 35.3 | | | G3/7500 |
| FVH | (80°-90°) | 240.0 | 1.2 | | | G3/500 |
| BL | (0°-30°) | 1078.2 | 5.6 | B3/2500 | | |
| BM | (30°-60°) | 2420.8 | 12.6 | B2/2500 | | |
| BH | (60°-80°) | 788.1 | 4.1 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 39.5 | 0.2 | | | 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 III Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 |
| 2.5° | 3659.2 | 3706.4 | 3700.5 | 3765.5 | 3824.5 | 3865.8 | 3901.2 | 3889.4 | 3859.9 | 3800.9 | 3759.6 |
| 5° | 4042.9 | 4078.3 | 4137.3 | 4261.2 | 4355.7 | 4438.3 | 4426.5 | 4438.3 | 4349.8 | 4261.2 | 4155.0 |
| 7.5° | 4373.4 | 4414.7 | 4497.3 | 4674.4 | 4792.4 | 4892.7 | 4880.9 | 4845.5 | 4745.2 | 4597.6 | 4438.3 |
| 10° | 4579.9 | 4609.4 | 4698.0 | 4898.6 | 5034.4 | 5117.0 | 5087.5 | 5028.5 | 4898.6 | 4751.1 | 4562.2 |
| 12.5° | 4668.5 | 4703.9 | 4780.6 | 4940.0 | 5028.5 | 5010.8 | 4999.0 | 4987.2 | 4922.2 | 4810.1 | 4639.0 |
| 15° | 4680.3 | 4703.9 | 4762.9 | 4833.7 | 4798.3 | 4698.0 | 4674.4 | 4762.9 | 4845.5 | 4821.9 | 4680.3 |
| 17.5° | 4680.3 | 4715.7 | 4727.5 | 4656.7 | 4473.7 | 4290.7 | 4267.1 | 4414.7 | 4644.9 | 4827.8 | 4745.2 |
| 20° | 4698.0 | 4715.7 | 4692.1 | 4461.9 | 4119.6 | 3918.9 | 3877.6 | 4060.6 | 4402.9 | 4762.9 | 4810.1 |
| 22.5° | 4721.6 | 4739.3 | 4639.0 | 4231.7 | 3830.4 | 3617.9 | 3594.3 | 3730.0 | 4131.4 | 4668.5 | 4880.9 |
| 25° | 4768.8 | 4757.0 | 4603.5 | 4031.0 | 3576.6 | 3375.9 | 3340.5 | 3517.6 | 3907.1 | 4574.0 | 4999.0 |
| 27.5° | 4827.8 | 4774.7 | 4556.3 | 3865.8 | 3393.6 | 3181.2 | 3157.6 | 3328.7 | 3718.2 | 4456.0 | 5099.3 |
| 30° | 4904.5 | 4851.4 | 4550.4 | 3736.0 | 3257.9 | 3045.4 | 3015.9 | 3204.8 | 3588.4 | 4373.4 | 5241.0 |
| 32.5° | 5010.8 | 4934.1 | 4556.3 | 3635.6 | 3181.2 | 2980.5 | 2962.8 | 3163.5 | 3535.3 | 4326.1 | 5388.5 |
| 35° | 5152.4 | 5040.3 | 4579.9 | 3600.2 | 3204.8 | 3069.0 | 3110.3 | 3263.8 | 3588.4 | 4361.6 | 5630.5 |
| 37.5° | 5329.5 | 5223.2 | 4698.0 | 3676.9 | 3464.5 | 3558.9 | 3665.1 | 3724.1 | 3842.2 | 4526.8 | 6020.0 |
| 40° | 5624.6 | 5477.0 | 4875.0 | 3924.8 | 4160.9 | 4603.5 | 4810.1 | 4786.5 | 4515.0 | 4904.5 | 6568.9 |
| 42.5° | 6037.7 | 5902.0 | 5235.1 | 4556.3 | 5323.6 | 6262.0 | 6610.2 | 6409.5 | 5589.2 | 5506.5 | 7471.9 |
| 45° | 6669.2 | 6445.0 | 5719.0 | 5494.7 | 6728.3 | 8268.7 | 9053.6 | 8363.1 | 6952.5 | 6456.8 | 8758.5 |
| 47.5° | 7477.8 | 7253.5 | 6474.5 | 6433.2 | 8298.2 | 10747.5 | 11680.0 | 10322.6 | 8304.1 | 7702.1 | 10298.9 |
| 50° | 8776.2 | 8528.4 | 7584.0 | 7389.3 | 10033.4 | 13220.4 | 14465.7 | 12276.1 | 9679.2 | 9024.1 | 12199.4 |
| 52.5° | 10558.6 | 10393.4 | 9342.8 | 8374.9 | 11585.6 | 15947.1 | 17021.3 | 14318.2 | 10741.6 | 10535.0 | 14271.0 |
| 55° | 13043.4 | 12884.0 | 11632.8 | 9472.7 | 13055.2 | 18679.8 | 19547.3 | 16177.3 | 11668.2 | 12305.6 | 16437.0 |
| 57.5° | 15858.6 | 16124.2 | 14766.7 | 10936.4 | 14601.5 | 20881.2 | 22091.1 | 17865.3 | 12919.4 | 14672.3 | 18845.0 |
| 60° | 17694.1 | 18532.2 | 18361.0 | 13491.9 | 17003.6 | 23619.7 | 24935.8 | 20125.7 | 14749.0 | 16413.4 | 18791.9 |
| 62.5° | 16100.6 | 16938.7 | 18248.9 | 16454.7 | 19317.2 | 26098.5 | 27208.1 | 22504.2 | 16566.8 | 15026.4 | 15781.9 |
| 65° | 13663.1 | 14707.7 | 16088.8 | 14294.6 | 18909.9 | 26175.3 | 27314.3 | 22592.8 | 15457.3 | 11107.5 | 11190.1 |
| 67.5° | 11774.4 | 12701.1 | 14400.8 | 12164.0 | 16761.6 | 23838.1 | 24735.2 | 20155.2 | 12777.8 | 7365.7 | 7300.7 |
| 70° | 9826.8 | 10676.7 | 12825.0 | 10830.1 | 14684.1 | 20544.8 | 19771.6 | 16944.6 | 10800.6 | 4892.7 | 4054.7 |
| 72.5° | 8374.9 | 9159.9 | 11396.7 | 9732.4 | 11650.5 | 16649.5 | 13627.7 | 14058.5 | 8788.0 | 3110.3 | 2762.1 |
| 75° | 6928.9 | 7649.0 | 9691.0 | 8811.7 | 9637.9 | 10387.5 | 9419.6 | 9986.1 | 7241.7 | 2638.2 | 2130.6 |
| 77.5° | 4863.2 | 5311.8 | 6799.1 | 7011.5 | 7501.4 | 6149.9 | 5972.8 | 6993.8 | 5152.4 | 1310.2 | 897.1 |
| 80° | 2396.2 | 2673.6 | 3547.1 | 4172.7 | 3547.1 | 3488.1 | 3977.9 | 4656.7 | 2673.6 | 802.7 | 495.8 |
| 82.5° | 1074.2 | 1274.8 | 1634.8 | 2526.0 | 1280.7 | 1392.9 | 1758.8 | 2478.8 | 1215.8 | 478.1 | 212.5 |
| 85° | 171.2 | 188.9 | 318.7 | 424.9 | 348.2 | 537.1 | 513.5 | 484.0 | 259.7 | 129.8 | 59.0 |
| 87.5° | 5.9 | 5.9 | 5.9 | 11.8 | 17.7 | 23.6 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 |
| 2.5° | 3747.8 | 3730.0 | 3641.5 | 3553.0 | 3476.3 | 3399.5 | 3322.8 | 3216.6 | 3133.9 | 3063.1 | 3033.6 |
| 5° | 4101.9 | 4007.4 | 3871.7 | 3724.1 | 3594.3 | 3446.8 | 3305.1 | 3145.8 | 3015.9 | 2880.2 | 2809.3 |
| 7.5° | 4343.9 | 4249.4 | 4025.1 | 3800.9 | 3641.5 | 3482.2 | 3334.6 | 3157.6 | 2986.4 | 2791.6 | 2685.4 |
| 10° | 4456.0 | 4349.8 | 4107.8 | 3848.1 | 3653.3 | 3494.0 | 3358.2 | 3210.7 | 3039.5 | 2797.5 | 2655.9 |
| 12.5° | 4532.7 | 4402.9 | 4125.5 | 3859.9 | 3665.1 | 3499.9 | 3370.0 | 3263.8 | 3163.5 | 2927.4 | 2762.1 |
| 15° | 4579.9 | 4461.9 | 4172.7 | 3865.8 | 3647.4 | 3452.7 | 3328.7 | 3293.3 | 3311.0 | 3198.9 | 2998.2 |
| 17.5° | 4650.8 | 4538.6 | 4231.7 | 3901.2 | 3617.9 | 3352.3 | 3216.6 | 3293.3 | 3452.7 | 3488.1 | 3328.7 |
| 20° | 4745.2 | 4627.1 | 4308.4 | 3930.7 | 3529.4 | 3163.5 | 3033.6 | 3228.4 | 3494.0 | 3676.9 | 3588.4 |
| 22.5° | 4851.4 | 4757.0 | 4397.0 | 3960.2 | 3399.5 | 2915.6 | 2856.6 | 3092.6 | 3375.9 | 3612.0 | 3617.9 |
| 25° | 4981.3 | 4892.7 | 4520.9 | 3989.7 | 3222.5 | 2703.1 | 2714.9 | 2915.6 | 3139.9 | 3381.8 | 3423.1 |
| 27.5° | 5158.3 | 5075.7 | 4674.4 | 4025.1 | 3039.5 | 2531.9 | 2591.0 | 2738.5 | 2892.0 | 3039.5 | 3098.5 |
| 30° | 5353.1 | 5288.2 | 4857.3 | 4096.0 | 2868.4 | 2431.6 | 2467.0 | 2567.4 | 2691.3 | 2779.8 | 2809.3 |
| 32.5° | 5618.7 | 5512.4 | 5028.5 | 4090.1 | 2738.5 | 2384.4 | 2349.0 | 2378.5 | 2478.8 | 2567.4 | 2573.3 |
| 35° | 5949.2 | 5866.6 | 5205.5 | 3983.8 | 2620.5 | 2360.8 | 2236.8 | 2219.1 | 2278.2 | 2366.7 | 2360.8 |
| 37.5° | 6433.2 | 6362.3 | 5494.7 | 3818.6 | 2472.9 | 2301.8 | 2118.8 | 2059.8 | 2101.1 | 2160.1 | 2177.8 |
| 40° | 7159.1 | 6976.1 | 5825.3 | 3635.6 | 2325.4 | 2195.5 | 1977.2 | 1894.5 | 1924.0 | 1989.0 | 2000.8 |
| 42.5° | 8144.7 | 7796.5 | 6267.9 | 3387.7 | 2183.7 | 2036.2 | 1835.5 | 1747.0 | 1764.7 | 1823.7 | 1835.5 |
| 45° | 9407.8 | 8882.5 | 6875.8 | 3128.0 | 2071.6 | 1870.9 | 1688.0 | 1593.5 | 1611.2 | 1676.2 | 1705.7 |
| 47.5° | 10883.2 | 10163.2 | 7513.2 | 2850.7 | 2006.7 | 1741.1 | 1540.4 | 1469.6 | 1510.9 | 1575.8 | 1587.6 |
| 50° | 12624.3 | 11898.4 | 7920.5 | 2626.4 | 1965.4 | 1640.7 | 1404.7 | 1375.2 | 1428.3 | 1481.4 | 1493.2 |
| 52.5° | 14524.8 | 13491.9 | 7660.8 | 2443.4 | 1929.9 | 1605.3 | 1310.2 | 1322.0 | 1363.4 | 1416.5 | 1434.2 |
| 55° | 16372.1 | 14076.2 | 6799.1 | 2207.3 | 1888.6 | 1628.9 | 1239.4 | 1268.9 | 1322.0 | 1363.4 | 1375.2 |
| 57.5° | 17576.1 | 13586.3 | 5477.0 | 1959.5 | 1841.4 | 1646.7 | 1204.0 | 1227.6 | 1286.6 | 1333.8 | 1339.7 |
| 60° | 16525.5 | 12512.2 | 4101.9 | 1747.0 | 1741.1 | 1617.1 | 1192.2 | 1156.8 | 1239.4 | 1280.7 | 1286.6 |
| 62.5° | 13539.1 | 10234.0 | 2620.5 | 1546.3 | 1552.2 | 1552.2 | 1186.3 | 1038.7 | 1145.0 | 1180.4 | 1174.5 |
| 65° | *9301.5* | *7235.8* | *1623.0* | *1263.0* | *1322.0* | *1410.6* | *1150.9* | *914.8* | *1038.7* | *1074.2* | *1062.4* |
| 67.5° | 6114.4 | 4597.6 | 1003.3 | 973.8 | 1086.0 | 1221.7 | 1080.1 | 820.4 | 932.5 | 956.1 | 920.7 |
| 70° | 3316.9 | 2166.0 | 661.0 | 637.4 | 849.9 | 962.0 | 914.8 | 737.7 | 832.2 | 855.8 | 820.4 |
| 72.5° | 2189.6 | 1245.3 | 466.3 | 466.3 | 666.9 | 672.8 | 749.6 | 661.0 | 737.7 | 761.4 | 725.9 |
| 75° | 1646.7 | 802.7 | 324.6 | 360.0 | 424.9 | 525.3 | 537.1 | 554.8 | 625.6 | 655.1 | 619.7 |
| 77.5° | 755.5 | 295.1 | 194.8 | 265.6 | 295.1 | 401.3 | 342.3 | 413.1 | 466.3 | 478.1 | 448.6 |
| 80° | 436.7 | 165.3 | 129.8 | 171.2 | 188.9 | 330.5 | 200.7 | 247.9 | 330.5 | 348.2 | 312.8 |
| 82.5° | 183.0 | 82.6 | 88.5 | 106.2 | 112.1 | 183.0 | 141.6 | 159.4 | 218.4 | 212.5 | 188.9 |
| 85° | 53.1 | 53.1 | 59.0 | 64.9 | 64.9 | 106.2 | 100.3 | 94.4 | 100.3 | 100.3 | 82.6 |
| 87.5° | 35.4 | 35.4 | 35.4 | 41.3 | 41.3 | 47.2 | 53.1 | 59.0 | 59.0 | 59.0 | 53.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 |
| 2.5° | 2992.3 | 2939.2 | 2862.5 | 2850.7 | 2809.3 | 2779.8 | 2809.3 | 2838.9 | 2892.0 | 2897.9 | 2921.5 |
| 5° | 2744.4 | 2620.5 | 2526.0 | 2419.8 | 2366.7 | 2360.8 | 2349.0 | 2384.4 | 2461.1 | 2508.3 | 2543.8 |
| 7.5° | 2579.2 | 2354.9 | 2189.6 | 2042.1 | 1989.0 | 1947.7 | 1983.1 | 1977.2 | 2077.5 | 2118.8 | 2154.2 |
| 10° | 2490.6 | 2177.8 | 1929.9 | 1747.0 | 1676.2 | 1634.8 | 1628.9 | 1640.7 | 1699.8 | 1741.1 | 1782.4 |
| 12.5° | 2549.7 | 2107.0 | 1741.1 | 1528.6 | 1451.9 | 1404.7 | 1363.4 | 1363.4 | 1375.2 | 1428.3 | 1446.0 |
| 15° | 2744.4 | 2148.3 | 1652.6 | 1422.4 | 1322.0 | 1245.3 | 1192.2 | 1150.9 | 1156.8 | 1162.7 | 1180.4 |
| 17.5° | 3027.7 | 2254.6 | 1623.0 | 1357.5 | 1251.2 | 1156.8 | 1103.7 | 1056.5 | 1044.6 | 1044.6 | 1038.7 |
| 20° | 3299.2 | 2337.2 | 1599.4 | 1304.3 | 1168.6 | 1086.0 | 1038.7 | 997.4 | 979.7 | 979.7 | 979.7 |
| 22.5° | 3411.3 | 2408.0 | 1569.9 | 1239.4 | 1086.0 | 1009.2 | 967.9 | 938.4 | 932.5 | 932.5 | 926.6 |
| 25° | 3322.8 | 2384.4 | 1534.5 | 1174.5 | 1009.2 | 950.2 | 914.8 | 885.3 | 879.4 | 885.3 | 879.4 |
| 27.5° | 3045.4 | 2301.8 | 1487.3 | 1121.4 | 950.2 | 897.1 | 867.6 | 838.1 | 832.2 | 838.1 | 838.1 |
| 30° | 2750.3 | 2160.1 | 1410.6 | 1080.1 | 903.0 | 844.0 | 814.5 | 785.0 | 785.0 | 790.9 | 796.8 |
| 32.5° | 2514.2 | 2018.5 | 1322.0 | 1026.9 | 849.9 | 796.8 | 767.3 | 737.7 | 737.7 | 749.6 | 749.6 |
| 35° | 2313.6 | 1906.3 | 1233.5 | 973.8 | 802.7 | 743.6 | 720.0 | 696.4 | 690.5 | 702.3 | 708.2 |
| 37.5° | 2154.2 | 1806.0 | 1139.1 | 920.7 | 755.5 | 702.3 | 678.7 | 649.2 | 643.3 | 655.1 | 666.9 |
| 40° | 1989.0 | 1693.9 | 1056.5 | 855.8 | 708.2 | 655.1 | 631.5 | 596.1 | 596.1 | 607.9 | 619.7 |
| 42.5° | 1829.6 | 1593.5 | 1003.3 | 796.8 | 661.0 | 602.0 | 578.4 | 548.9 | 548.9 | 560.7 | 572.5 |
| 45° | 1699.8 | 1499.1 | 973.8 | 737.7 | 607.9 | 554.8 | 525.3 | 501.7 | 507.6 | 519.4 | 531.2 |
| 47.5° | 1575.8 | 1398.8 | 979.7 | 708.2 | 572.5 | 501.7 | 472.2 | 454.5 | 466.3 | 484.0 | 495.8 |
| 50° | 1481.4 | 1327.9 | 985.6 | 661.0 | 525.3 | 460.4 | 430.8 | 419.0 | 436.7 | 454.5 | 466.3 |
| 52.5° | 1422.4 | 1257.1 | 950.2 | 602.0 | 489.9 | 419.0 | 401.3 | 401.3 | 419.0 | 430.8 | 442.6 |
| 55° | 1363.4 | 1139.1 | 873.5 | 537.1 | 454.5 | 389.5 | 377.7 | 377.7 | 395.4 | 407.2 | 413.1 |
| 57.5° | 1316.1 | 1015.1 | 785.0 | 484.0 | 413.1 | 360.0 | 360.0 | 360.0 | 365.9 | 371.8 | 383.6 |
| 60° | 1227.6 | 885.3 | 672.8 | 442.6 | 371.8 | 336.4 | 330.5 | 330.5 | 324.6 | 330.5 | 348.2 |
| 62.5° | 1074.2 | 743.6 | 572.5 | 395.4 | 336.4 | 306.9 | 301.0 | 283.3 | 265.6 | 271.5 | 283.3 |
| 65° | *908.9* | *590.2* | *478.1* | *342.3* | *289.2* | *271.5* | *265.6* | *236.1* | *212.5* | *218.4* | *236.1* |
| 67.5° | 725.9 | 442.6 | 401.3 | 295.1 | 247.9 | 230.2 | 230.2 | 212.5 | 194.8 | 194.8 | 206.6 |
| 70° | 566.6 | 371.8 | 301.0 | 236.1 | 194.8 | 194.8 | 206.6 | 188.9 | 165.3 | 165.3 | 183.0 |
| 72.5° | 460.4 | 301.0 | 242.0 | 183.0 | 153.5 | 165.3 | 171.2 | 153.5 | 135.7 | 135.7 | 147.5 |
| 75° | 360.0 | 236.1 | 188.9 | 135.7 | 118.0 | 123.9 | 135.7 | 123.9 | 106.2 | 112.1 | 118.0 |
| 77.5° | 247.9 | 159.4 | 123.9 | 100.3 | 88.5 | 94.4 | 94.4 | 88.5 | 82.6 | 82.6 | 88.5 |
| 80° | 165.3 | 106.2 | 82.6 | 70.8 | 64.9 | 64.9 | 59.0 | 59.0 | 64.9 | 64.9 | 70.8 |
| 82.5° | 118.0 | 76.7 | 64.9 | 53.1 | 41.3 | 41.3 | 47.2 | 47.2 | 53.1 | 53.1 | 59.0 |
| 85° | 70.8 | 53.1 | 47.2 | 35.4 | 29.5 | 35.4 | 35.4 | 41.3 | 47.2 | 47.2 | 53.1 |
| 87.5° | 53.1 | 41.3 | 35.4 | 29.5 | 23.6 | 23.6 | 29.5 | 29.5 | 35.4 | 41.3 | 41.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1365336
CATALOG NUMBER: GSS-SB5B-727-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 | 3322.8 |
| 2.5° | 2980.5 | 3051.3 | 3151.7 | 3240.2 | 3346.4 | 3452.7 | 3553.0 | 3647.4 | 3653.3 | 3659.2 |
| 5° | 2655.9 | 2797.5 | 2962.8 | 3163.5 | 3375.9 | 3582.5 | 3800.9 | 3977.9 | 4019.2 | 4042.9 |
| 7.5° | 2295.9 | 2502.4 | 2756.2 | 3039.5 | 3358.2 | 3676.9 | 3983.8 | 4249.4 | 4349.8 | 4373.4 |
| 10° | 1918.1 | 2171.9 | 2478.8 | 2844.8 | 3275.6 | 3700.5 | 4113.7 | 4438.3 | 4556.3 | 4579.9 |
| 12.5° | 1581.7 | 1788.3 | 2142.4 | 2585.1 | 3104.4 | 3665.1 | 4160.9 | 4520.9 | 4639.0 | 4668.5 |
| 15° | 1292.5 | 1487.3 | 1817.8 | 2284.1 | 2868.4 | 3541.2 | 4125.5 | 4538.6 | 4656.7 | 4680.3 |
| 17.5° | 1068.3 | 1192.2 | 1493.2 | 2000.8 | 2655.9 | 3381.8 | 4078.3 | 4550.4 | 4662.6 | 4680.3 |
| 20° | 979.7 | 1003.3 | 1162.7 | 1658.5 | 2431.6 | 3263.8 | 4048.8 | 4568.1 | 4680.3 | 4698.0 |
| 22.5° | 938.4 | 938.4 | 973.8 | 1263.0 | 2118.8 | 3139.9 | 4037.0 | 4621.2 | 4703.9 | 4721.6 |
| 25° | 897.1 | 897.1 | 908.9 | 991.5 | 1747.0 | 2986.4 | 4060.6 | 4715.7 | 4768.8 | 4768.8 |
| 27.5° | 855.8 | 855.8 | 867.6 | 885.3 | 1298.4 | 2732.6 | 4066.5 | 4821.9 | 4845.5 | 4827.8 |
| 30° | 814.5 | 826.3 | 826.3 | 838.1 | 956.1 | 2413.9 | 4031.0 | 4940.0 | 4940.0 | 4904.5 |
| 32.5° | 773.2 | 779.1 | 790.9 | 796.8 | 832.2 | 2000.8 | 3972.0 | 5087.5 | 5058.0 | 5010.8 |
| 35° | 737.7 | 743.6 | 743.6 | 755.5 | 790.9 | 1599.4 | 3907.1 | 5288.2 | 5205.5 | 5152.4 |
| 37.5° | 690.5 | 696.4 | 702.3 | 714.1 | 749.6 | 1268.9 | 3812.7 | 5459.3 | 5400.3 | 5329.5 |
| 40° | 649.2 | 655.1 | 661.0 | 672.8 | 708.2 | 1091.9 | 3694.6 | 5719.0 | 5707.2 | 5624.6 |
| 42.5° | 602.0 | 613.8 | 619.7 | 625.6 | 672.8 | 997.4 | 3612.0 | 6138.1 | 6138.1 | 6037.7 |
| 45° | 560.7 | 572.5 | 572.5 | 584.3 | 649.2 | 914.8 | 3795.0 | 6716.4 | 6763.7 | 6669.2 |
| 47.5° | 525.3 | 531.2 | 531.2 | 537.1 | 613.8 | 844.0 | 4284.8 | 7601.7 | 7542.7 | 7477.8 |
| 50° | 489.9 | 501.7 | 489.9 | 495.8 | 584.3 | 885.3 | 5093.4 | 8734.9 | 8888.4 | 8776.2 |
| 52.5° | 466.3 | 472.2 | 448.6 | 448.6 | 543.0 | 938.4 | 5754.4 | 10180.9 | 10694.4 | 10558.6 |
| 55° | 436.7 | 442.6 | 413.1 | 413.1 | 478.1 | 814.5 | 5795.7 | 11827.6 | 12954.8 | 13043.4 |
| 57.5° | 407.2 | 407.2 | 383.6 | 377.7 | 413.1 | 661.0 | 5140.6 | 13102.4 | 15657.9 | 15858.6 |
| 60° | 371.8 | 365.9 | 354.1 | 342.3 | 377.7 | 607.9 | 3918.9 | 12931.2 | 16997.7 | 17694.1 |
| 62.5° | 318.7 | 330.5 | 324.6 | 301.0 | 342.3 | 566.6 | 2555.6 | 11190.1 | 15486.8 | 16100.6 |
| 65° | *265.6* | *283.3* | *283.3* | *265.6* | *377.7* | *495.8* | *1345.7* | *8959.2* | *12925.3* | *13663.1* |
| 67.5° | 236.1 | 247.9 | 242.0 | 230.2 | 336.4 | 312.8 | 649.2 | 6869.9 | 11066.2 | 11774.4 |
| 70° | 206.6 | 218.4 | 200.7 | 188.9 | 271.5 | 224.3 | 383.6 | 4597.6 | 9136.3 | 9826.8 |
| 72.5° | 171.2 | 183.0 | 165.3 | 147.5 | 200.7 | 171.2 | 253.8 | 2992.3 | 7607.6 | 8374.9 |
| 75° | 141.6 | 147.5 | 135.7 | 118.0 | 147.5 | 135.7 | 177.1 | 1953.6 | 6362.3 | 6928.9 |
| 77.5° | 100.3 | 112.1 | 106.2 | 88.5 | 106.2 | 94.4 | 123.9 | 1115.5 | 4438.3 | 4863.2 |
| 80° | 76.7 | 76.7 | 76.7 | 70.8 | 64.9 | 64.9 | 82.6 | 501.7 | 2154.2 | 2396.2 |
| 82.5° | 64.9 | 64.9 | 59.0 | 53.1 | 47.2 | 41.3 | 47.2 | 147.5 | 1015.1 | 1074.2 |
| 85° | 59.0 | 47.2 | 41.3 | 35.4 | 29.5 | 17.7 | 17.7 | 41.3 | 206.6 | 171.2 |
| 87.5° | 35.4 | 29.5 | 23.6 | 11.8 | 5.9 | 5.9 | 0.0 | 5.9 | 5.9 | 5.9 |
| 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

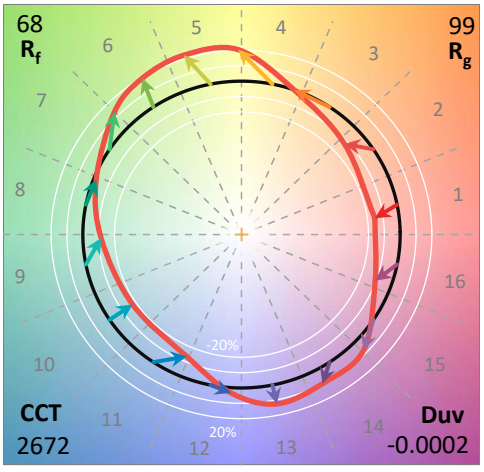
## Test Information

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

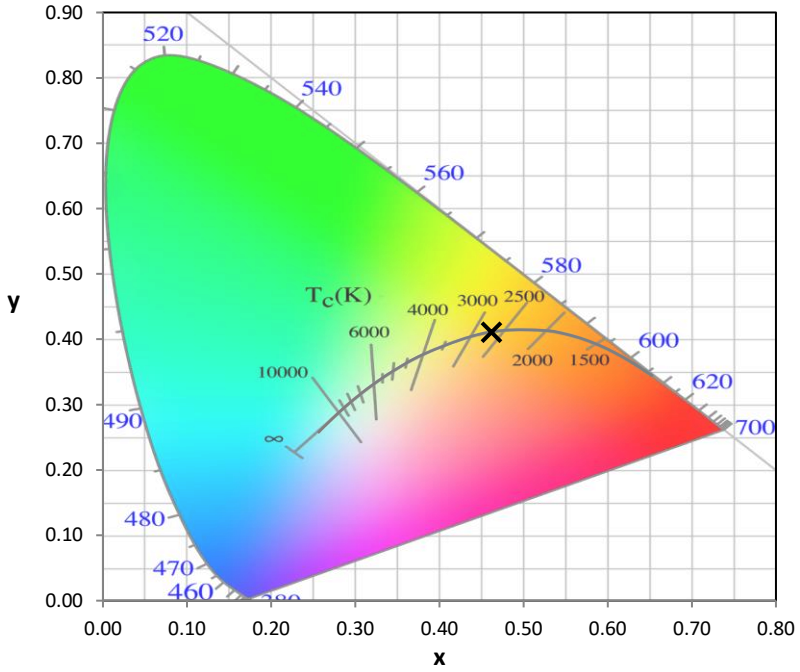
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-3

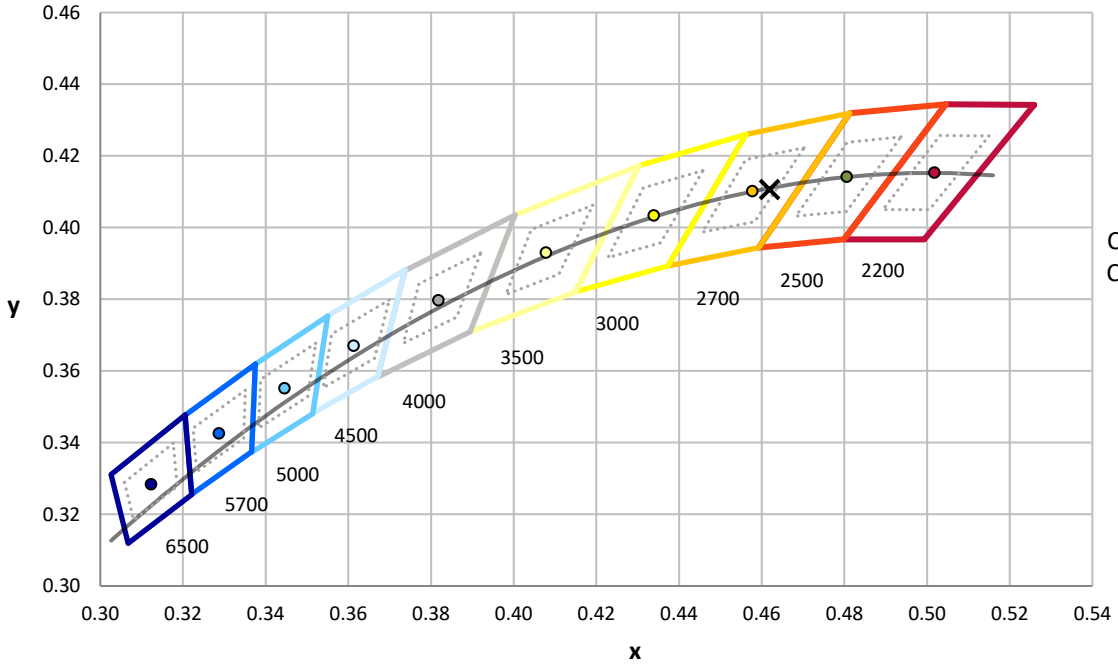
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

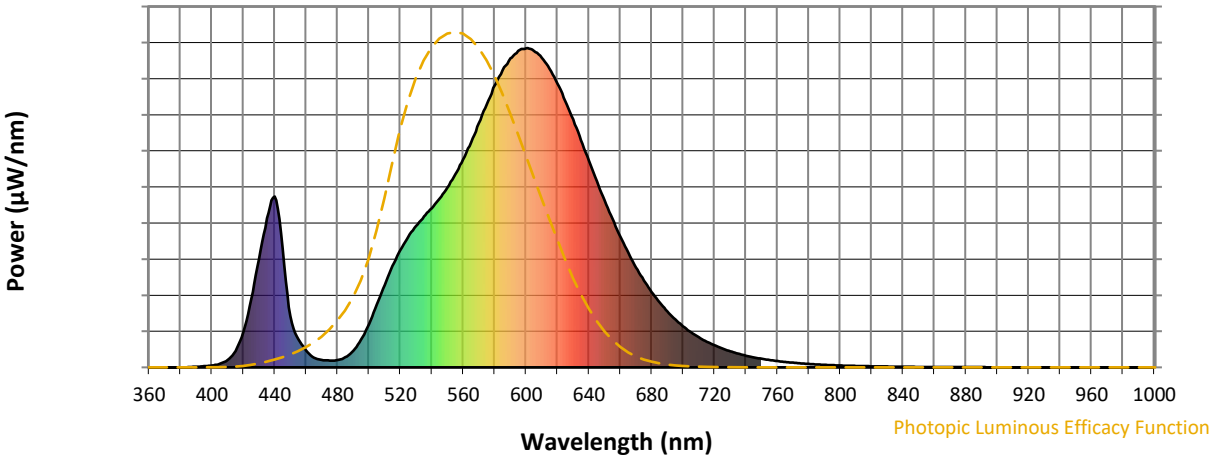



CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

## Photopic Flux vs. Wavelength

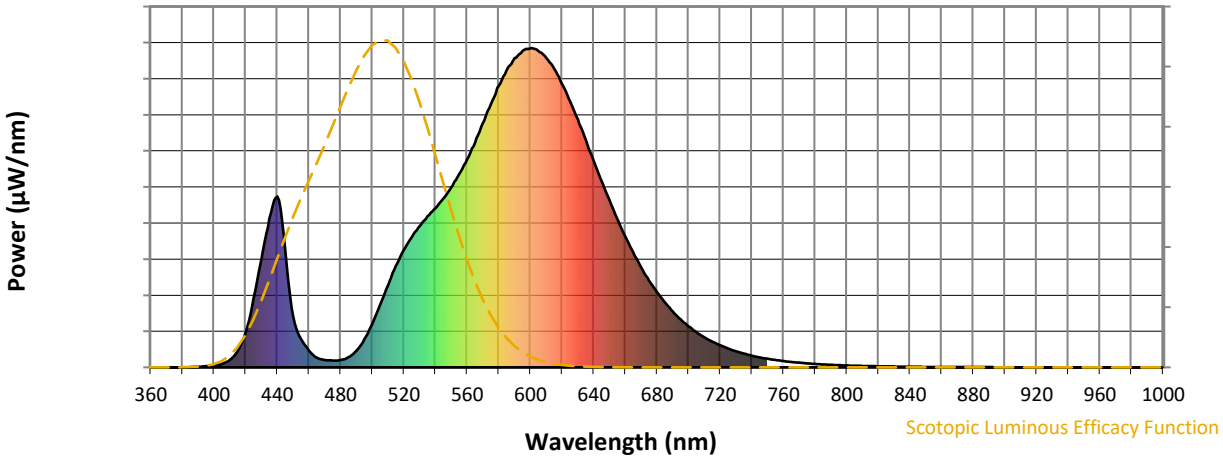



## Photopic Lumens: NR

| 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

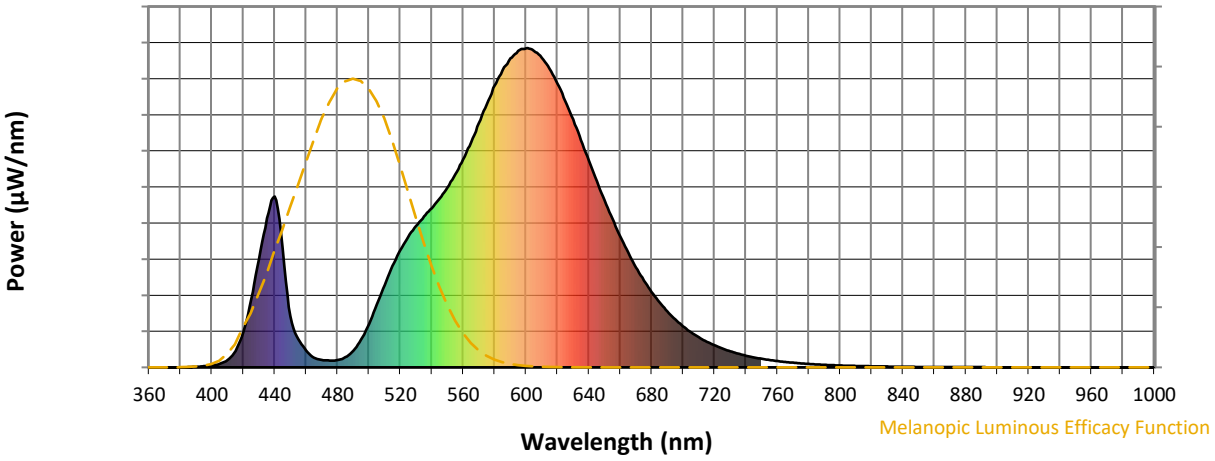



**Scotopic Lumens: NR** **S/P: 1.02**

| 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 | | | |

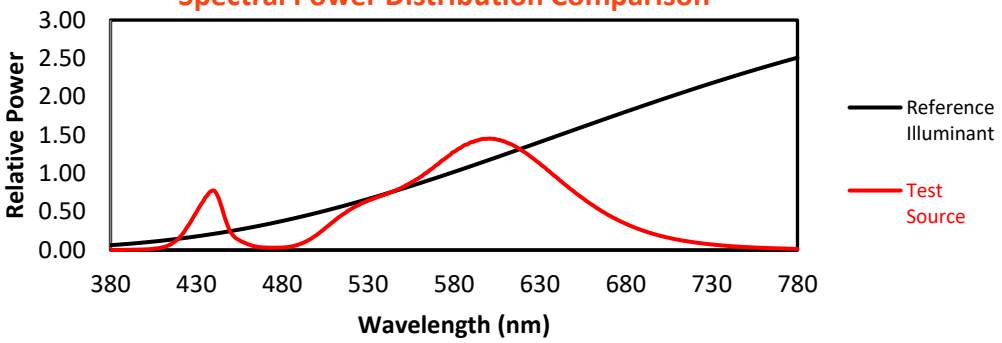
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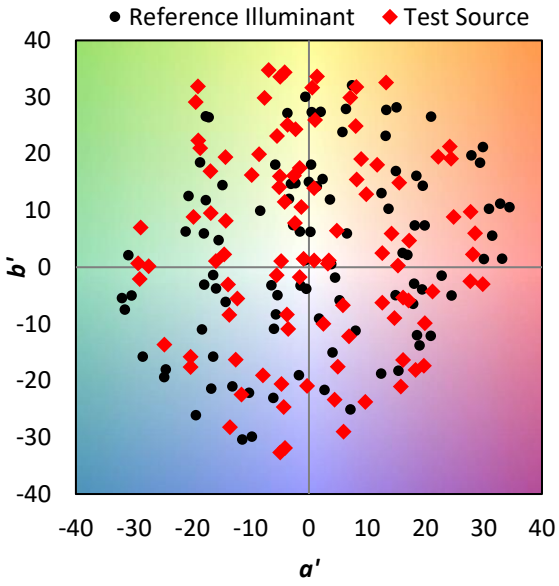
## Summary

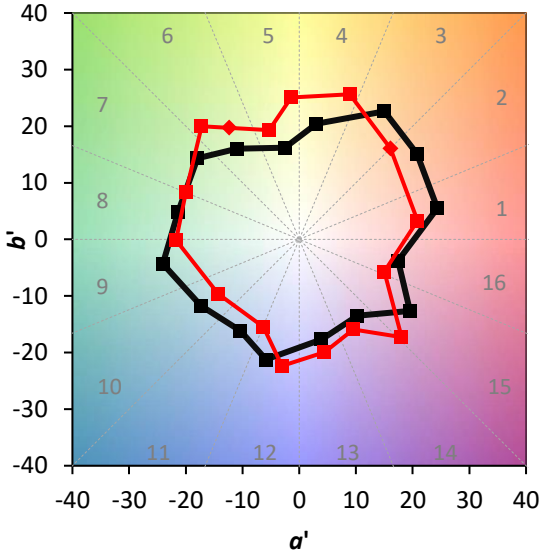
$R_f$ = 67.9
$R_g$ = 98.6
CIE $R_a$ = 71.1
$R_9$ = -27.8

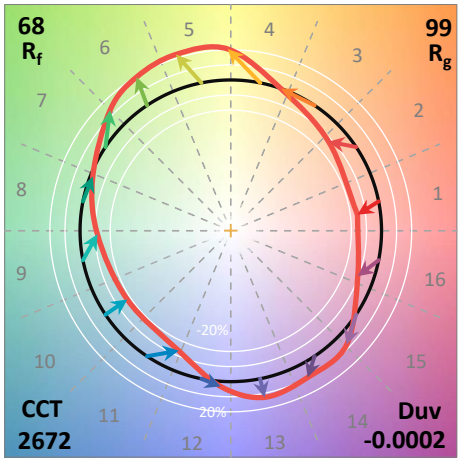
## Spectral Power Distribution Comparison

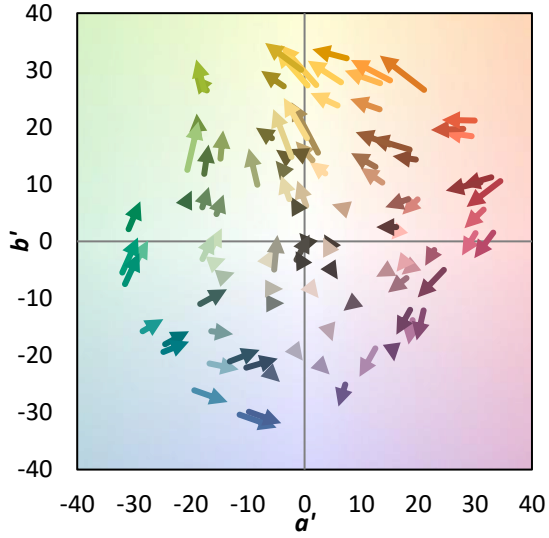



## Color Vector Graphics



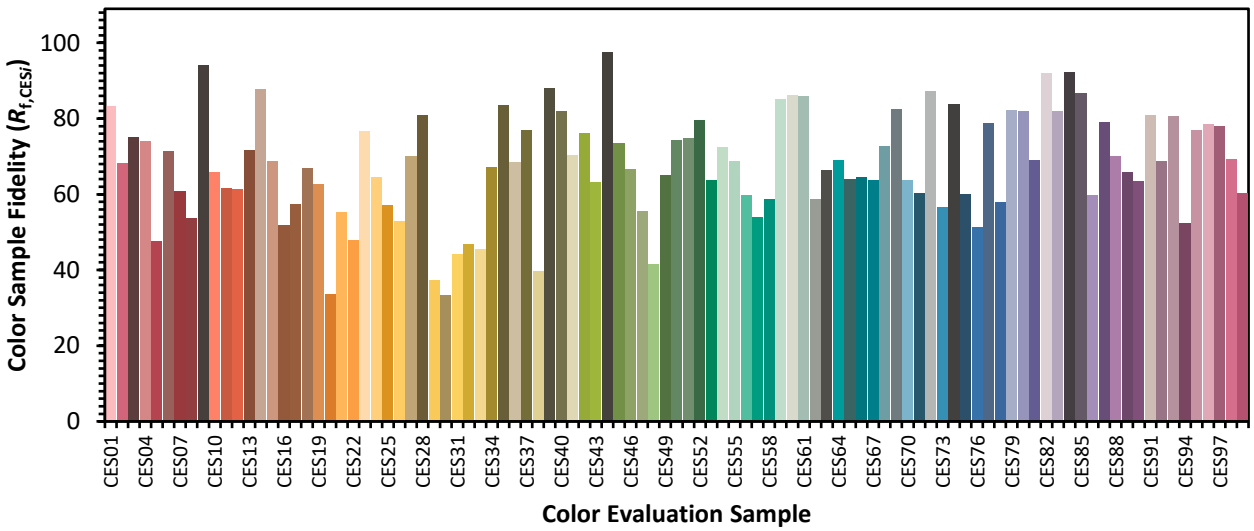



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**Individual Sample Fidelity Index ($R_{f,i}$)**

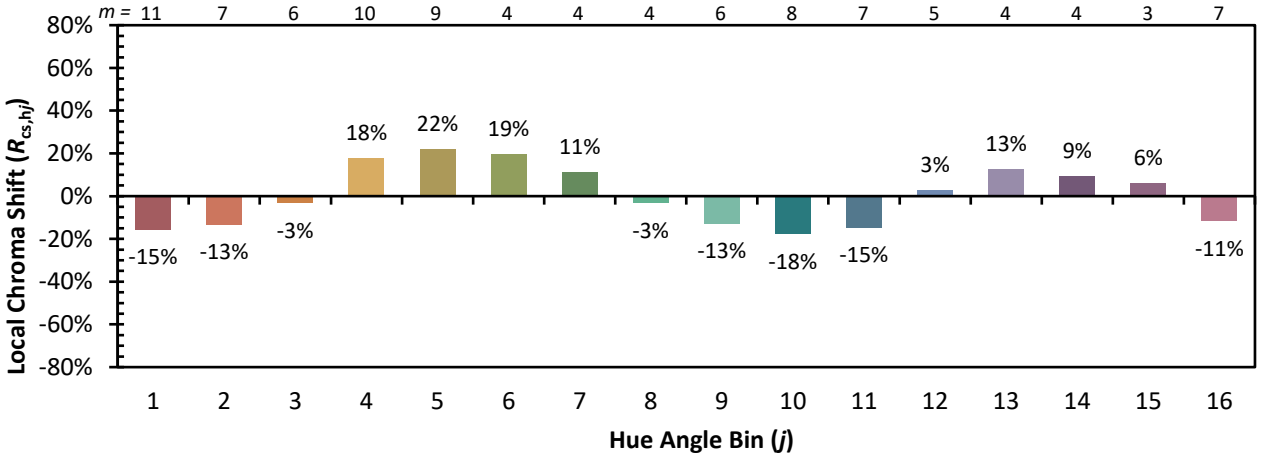
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 53 | CES51 = 75 | CES76 = 51 |
| CES02 = 63 | CES27 = 70 | CES52 = 80 | CES77 = 79 |
| CES03 = 31 | CES28 = 81 | CES53 = 64 | CES78 = 58 |
| CES04 = 71 | CES29 = 37 | CES54 = 73 | CES79 = 82 |
| CES05 = 50 | CES30 = 33 | CES55 = 69 | CES80 = 82 |
| CES06 = 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 | |

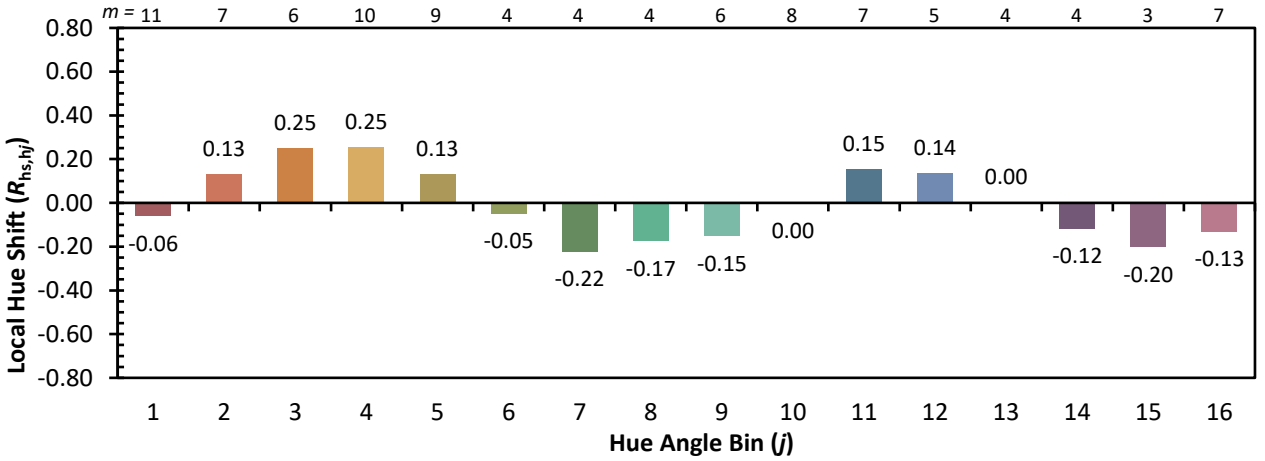


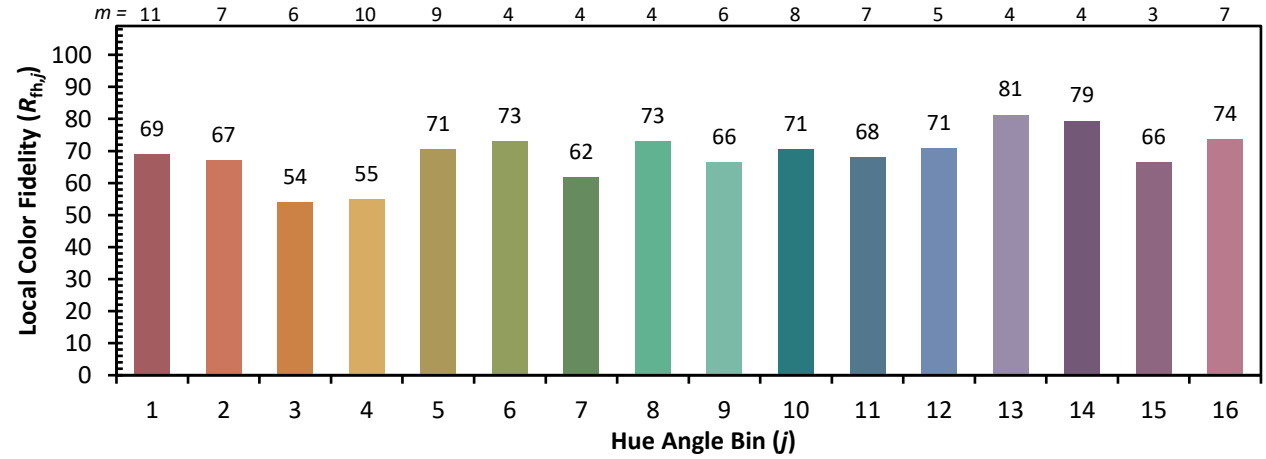
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## Color Rendition by Hue-Angle Bin



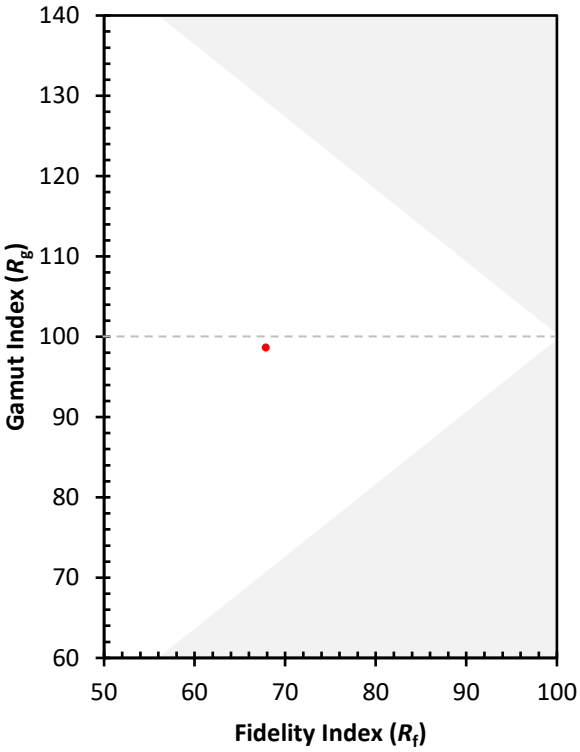



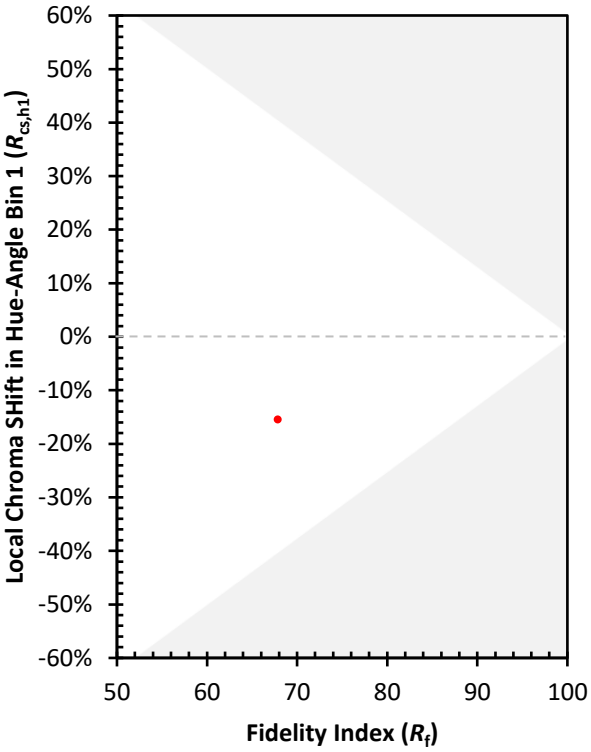



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## Measure Comparisons




(END OF REPORT)