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: P1501990

Luminaire Tested: GSS-SB5B-850-U-T2LG-HSS

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: | P1501990 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5B-850-U-T2LG-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 80CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD |
| Light Source: | (130) 5000K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 21263.1 lumens |
| Efficiency: | N/A |
| Efficacy: | 115.6 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B2 - U0 - G2 |

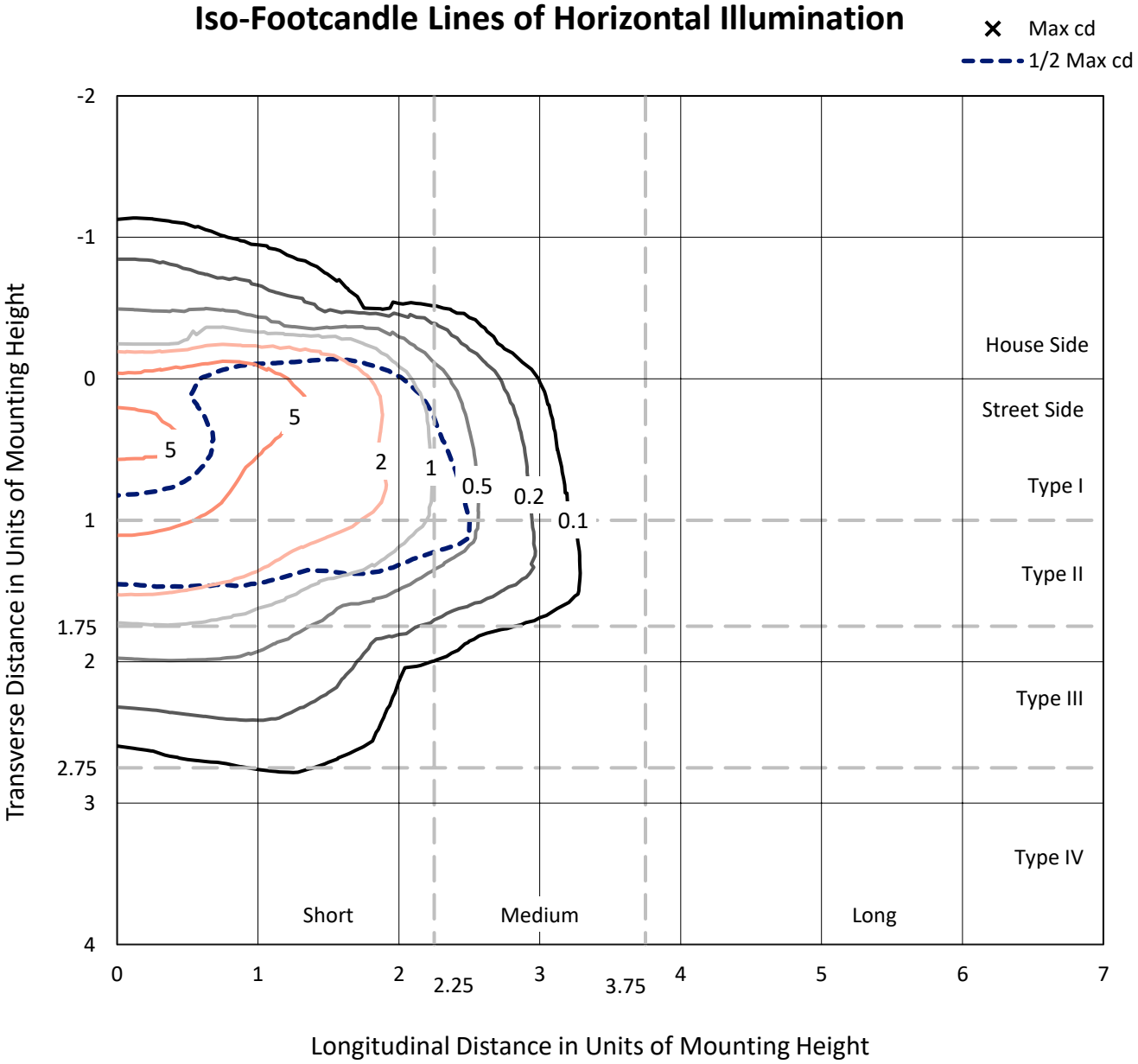
| | |
|---|---|
| Input Watts (W): | 184 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 11.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



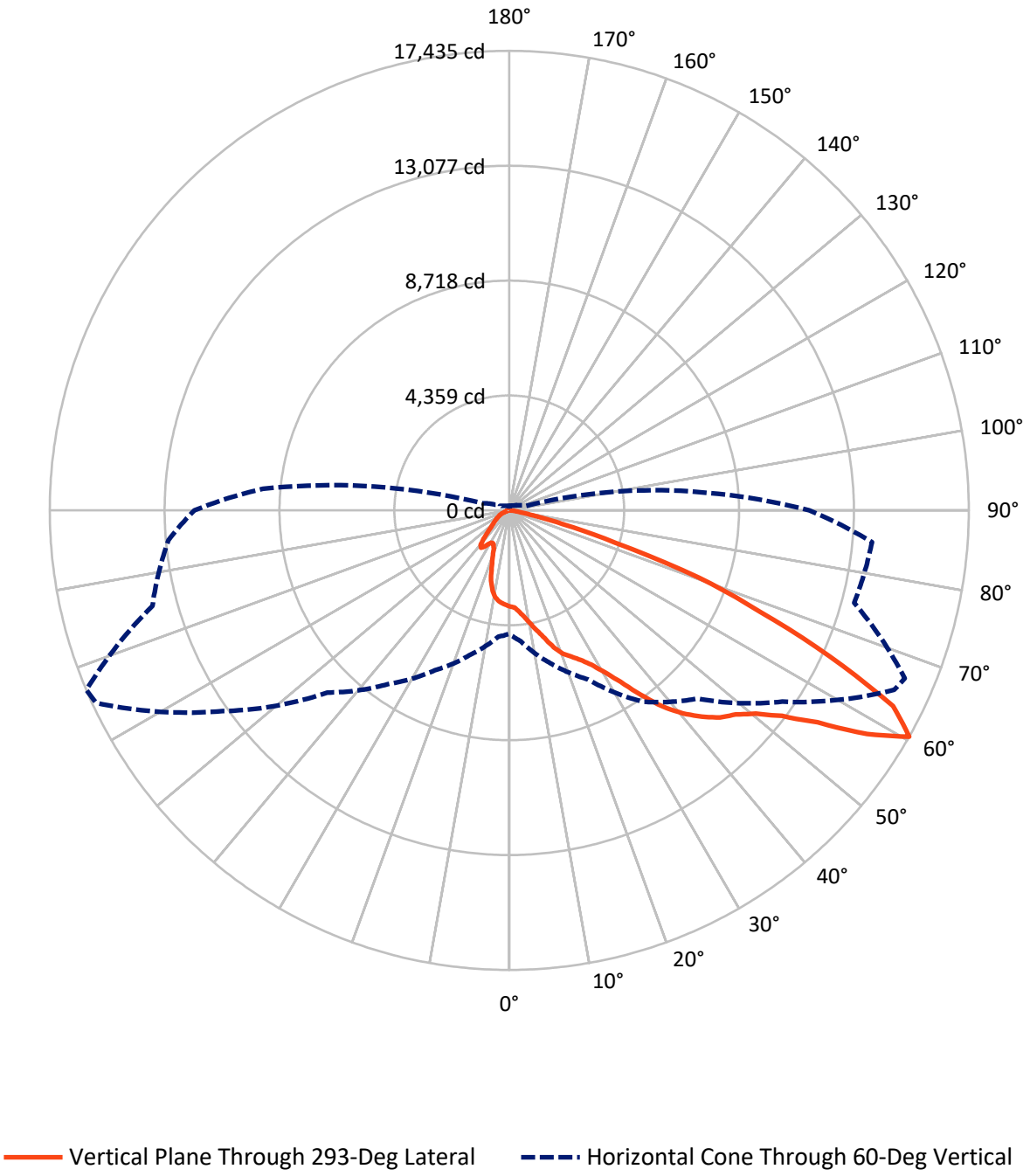

Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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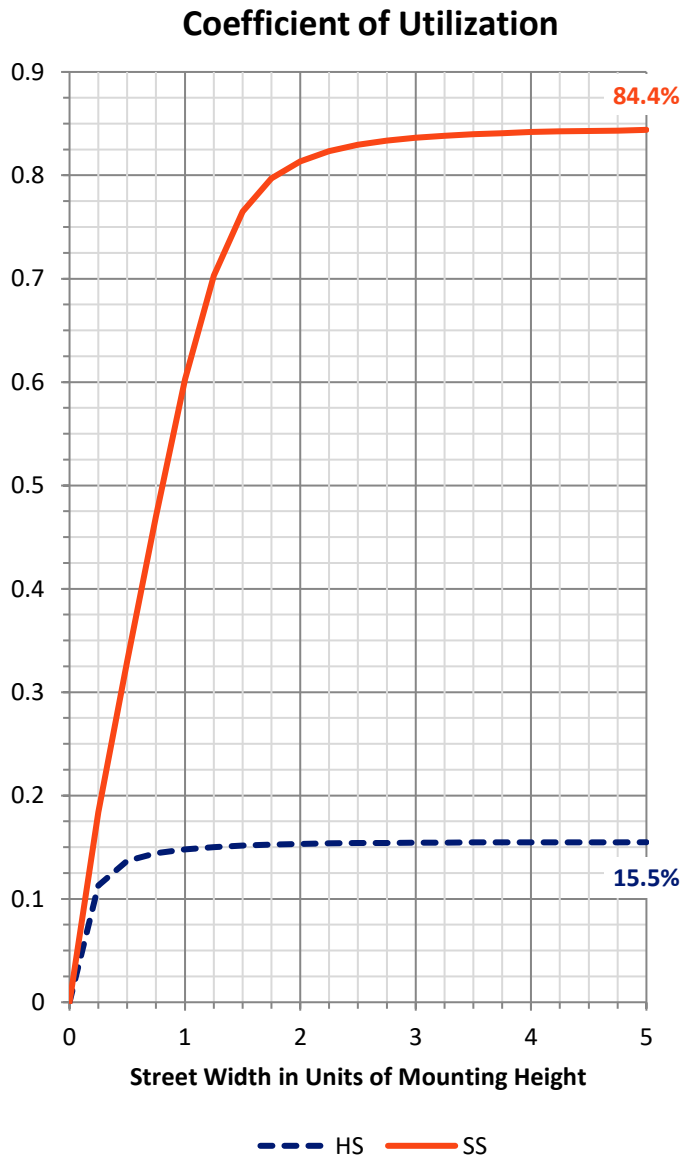
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 3317.6 | 0.0 | 3317.6 |
| | % Fixture | 15.6 | 0.0 | 15.6 |
| **Street Side** | Lumens | 17945.5 | 0.0 | 17945.5 |
| | % Fixture | 84.4 | 0.0 | 84.4 |
| **Total** | Lumens | 21263.1 | 0.0 | 21263.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 329.9 | 1.6 |
| 10°-20° | 831.1 | 3.9 |
| 20°-30° | 1551.5 | 7.3 |
| 30°-40° | 3076.7 | 14.5 |
| 40°-50° | 4905.4 | 23.1 |
| 50°-60° | 5860.7 | 27.6 |
| 60°-70° | 3842.0 | 18.1 |
| 70°-80° | 804.9 | 3.8 |
| 80°-90° | 60.9 | 0.3 |
| 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° | 21263.1 | 100.0 |
| 0°-180° | 21263.1 | 100.0 |



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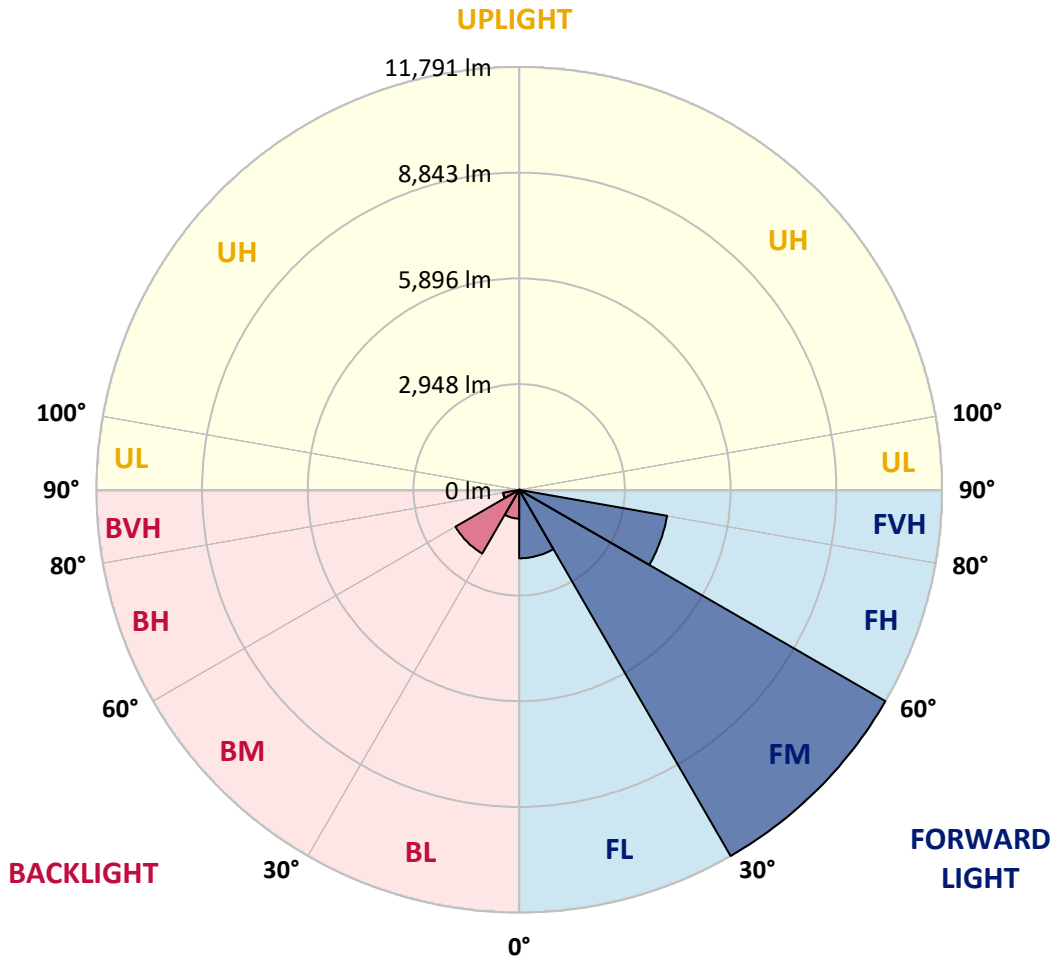
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1909.9 | 9.0 | | | |
| FM | (30°-60°) | 11791.2 | 55.5 | | | |
| FH | (60°-80°) | 4188.7 | 19.7 | | | G2/5000 |
| FVH | (80°-90°) | 55.8 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 802.6 | 3.8 | B2/1000 | | |
| BM | (30°-60°) | 2051.6 | 9.6 | B2/2500 | | |
| BH | (60°-80°) | 458.3 | 2.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 5.1 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

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



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 |
| 2.5° | 3828.9 | 3817.0 | 3799.1 | 3805.1 | 3799.1 | 3775.3 | 3739.6 | 3709.8 | 3733.6 | 3697.9 | 3674.1 |
| 5° | 3942.0 | 3942.0 | 3930.1 | 3930.1 | 3936.1 | 3924.2 | 3900.3 | 3858.6 | 3864.6 | 3834.8 | 3757.4 |
| 7.5° | 3942.0 | 3924.2 | 3953.9 | 3983.7 | 4037.3 | 4067.1 | 4079.0 | 4055.2 | 4067.1 | 4007.5 | 3906.3 |
| 10° | 3709.8 | 3697.9 | 3775.3 | 3888.4 | 4043.2 | 4180.2 | 4269.5 | 4275.5 | 4293.3 | 4233.8 | 4114.7 |
| 12.5° | 3215.5 | 3191.7 | 3346.5 | 3560.9 | 3876.5 | 4192.1 | 4442.2 | 4537.5 | 4579.2 | 4555.4 | 4388.6 |
| 15° | 2757.0 | 2786.8 | 2894.0 | 3126.2 | 3549.0 | 4031.3 | 4537.5 | 4853.1 | 4912.6 | 4942.4 | 4745.9 |
| 17.5° | 2709.4 | 2715.3 | 2751.1 | 2864.2 | 3185.8 | 3769.3 | 4549.4 | 5180.6 | 5264.0 | 5395.0 | 5127.0 |
| 20° | 2840.4 | 2828.5 | 2864.2 | 2899.9 | 3054.8 | 3537.1 | 4436.3 | 5496.2 | 5657.0 | 5936.8 | 5645.1 |
| 22.5° | 3084.5 | 3084.5 | 3102.4 | 3126.2 | 3203.6 | 3519.2 | 4388.6 | 5788.0 | 6061.9 | 6633.5 | 6294.1 |
| 25° | 3495.4 | 3447.8 | 3459.7 | 3429.9 | 3495.4 | 3733.6 | 4495.8 | 6020.2 | 6395.4 | 7407.7 | 7068.2 |
| 27.5° | 4132.6 | 4150.4 | 4043.2 | 3882.5 | 3918.2 | 4120.7 | 4757.8 | 6282.2 | 6740.7 | 8211.5 | 7854.3 |
| 30° | 5013.9 | 4984.1 | 4918.6 | 4603.0 | 4460.1 | 4638.7 | 5240.1 | 6711.0 | 7205.2 | 9229.8 | 8902.3 |
| 32.5° | 5704.6 | 5788.0 | 5674.8 | 5454.5 | 5234.2 | 5287.8 | 5919.0 | 7401.7 | 7770.9 | 10164.7 | 9986.0 |
| 35° | 6538.3 | 6538.3 | 6562.1 | 6252.4 | 6103.6 | 6091.7 | 6770.5 | 8152.0 | 8521.2 | 11010.3 | 11135.3 |
| 37.5° | 7663.7 | 7586.3 | 7455.3 | 7109.9 | 6996.8 | 7145.6 | 7568.4 | 8926.1 | 9325.1 | 11695.0 | 12028.5 |
| 40° | 8610.5 | 8664.1 | 8646.2 | 8146.0 | 7925.7 | 8086.5 | 8461.6 | 9587.1 | 9896.7 | 12135.7 | 12749.0 |
| 42.5° | 9539.4 | 9569.2 | 9491.8 | 9253.6 | 8932.1 | 8944.0 | 9253.6 | 10087.3 | 10402.9 | 12558.5 | 13427.9 |
| 45° | 10236.1 | 10230.2 | 10176.6 | 10117.0 | 9926.5 | 9730.0 | 9783.6 | 10641.1 | 10915.0 | 12695.4 | 13797.1 |
| 47.5° | 10456.5 | 10504.1 | 10551.7 | 10718.5 | 10849.5 | 10539.8 | 10265.9 | 10938.8 | 11188.9 | 12671.6 | 13934.0 |
| 50° | 10254.0 | 10355.2 | 10587.5 | 10837.6 | 11284.2 | 11260.3 | 10670.8 | 11260.3 | 11504.5 | 12802.6 | 14094.8 |
| 52.5° | 9801.4 | 9902.7 | 10212.3 | 10664.9 | 11337.8 | 11671.2 | 11421.1 | 11802.2 | 12088.1 | 13136.1 | 14428.3 |
| 55° | 8747.5 | 8789.1 | 9426.3 | 10021.8 | 11069.8 | 11492.6 | 12225.0 | 12719.3 | 12957.4 | 13541.0 | 14868.9 |
| 57.5° | 7121.8 | 7223.1 | 7848.3 | 8818.9 | 10319.5 | 11022.2 | 12683.5 | 14285.3 | 14279.4 | 13928.1 | 14964.2 |
| 60° | *4686.4* | *4984.1* | *6002.3* | *7074.2* | *8866.6* | *10099.2* | *12653.8* | *16119.4* | *16304.0* | *13547.0* | *13814.9* |
| 62.5° | 3578.8 | 3703.8 | 4281.4 | 5174.6 | 6562.1 | 8372.3 | 12457.2 | 16667.2 | 16810.1 | 12522.7 | 12094.0 |
| 65° | 2691.5 | 2846.3 | 3400.1 | 4198.1 | 4632.8 | 5674.8 | 11171.0 | 14487.8 | 14684.3 | 11177.0 | 9402.5 |
| 67.5° | 1649.5 | 1774.5 | 2512.9 | 3447.8 | 3507.3 | 3525.2 | 7538.7 | 10974.5 | 11046.0 | 9015.4 | 6329.9 |
| 70° | 1101.6 | 1226.7 | 1738.8 | 2649.8 | 2792.8 | 2030.6 | 4138.5 | 8306.8 | 8300.9 | 6169.1 | 3846.7 |
| 72.5° | 637.2 | 696.7 | 1101.6 | 1953.1 | 2197.3 | 1292.2 | 2066.3 | 5281.8 | 5049.6 | 2899.9 | 1798.3 |
| 75° | 363.2 | 404.9 | 607.4 | 1256.4 | 1542.3 | 821.7 | 815.8 | 2828.5 | 2501.0 | 1494.6 | 982.5 |
| 77.5° | 220.3 | 238.2 | 333.5 | 821.7 | 928.9 | 553.8 | 452.6 | 1316.0 | 1268.4 | 875.3 | 518.1 |
| 80° | 107.2 | 125.0 | 202.5 | 482.3 | 595.5 | 297.7 | 273.9 | 518.1 | 553.8 | 482.3 | 273.9 |
| 82.5° | 35.7 | 47.6 | 113.1 | 184.6 | 387.1 | 119.1 | 113.1 | 285.8 | 303.7 | 285.8 | 131.0 |
| 85° | 17.9 | 23.8 | 53.6 | 59.5 | 148.9 | 59.5 | 41.7 | 125.0 | 154.8 | 95.3 | 53.6 |
| 87.5° | 0.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 11.9 | 11.9 | 11.9 | 11.9 |
| 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° | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 |
| 2.5° | 3656.2 | 3644.3 | 3620.5 | 3578.8 | 3572.8 | 3543.1 | 3495.4 | 3465.6 | 3441.8 | 3459.7 | 3465.6 |
| 5° | 3721.7 | 3691.9 | 3620.5 | 3507.3 | 3388.2 | 3269.1 | 3156.0 | 3025.0 | 2935.7 | 2923.8 | 2899.9 |
| 7.5° | 3840.8 | 3781.2 | 3626.4 | 3406.1 | 3102.4 | 2816.6 | 2483.1 | 2161.6 | 2000.8 | 1977.0 | 1923.4 |
| 10° | 4031.3 | 3930.1 | 3674.1 | 3227.5 | 2643.9 | 2048.4 | 1542.3 | 1196.9 | 1000.4 | 964.7 | 976.6 |
| 12.5° | 4257.6 | 4114.7 | 3680.0 | 2923.8 | 2012.7 | 1268.4 | 875.3 | 744.3 | 702.7 | 684.8 | 684.8 |
| 15° | 4549.4 | 4341.0 | 3674.1 | 2530.8 | 1357.7 | 815.8 | 702.7 | 649.1 | 631.2 | 619.3 | 619.3 |
| 17.5° | 4918.6 | 4644.7 | 3632.4 | 1941.2 | 917.0 | 708.6 | 643.1 | 601.4 | 577.6 | 571.7 | 571.7 |
| 20° | 5353.3 | 4984.1 | 3537.1 | 1447.0 | 768.2 | 661.0 | 607.4 | 553.8 | 535.9 | 524.0 | 524.0 |
| 22.5° | 5907.1 | 5395.0 | 3352.5 | 1125.4 | 726.5 | 631.2 | 571.7 | 512.1 | 494.2 | 482.3 | 482.3 |
| 25° | 6550.2 | 5919.0 | 3108.4 | 1012.3 | 720.5 | 607.4 | 535.9 | 476.4 | 458.5 | 452.6 | 446.6 |
| 27.5° | 7312.4 | 6478.7 | 2882.1 | 1018.3 | 732.4 | 589.5 | 500.2 | 446.6 | 428.7 | 410.9 | 416.8 |
| 30° | 8211.5 | 7056.3 | 2697.5 | 1089.7 | 744.3 | 571.7 | 476.4 | 428.7 | 410.9 | 387.1 | 387.1 |
| 32.5° | 9098.8 | 7735.2 | 2679.6 | 1220.7 | 786.0 | 559.7 | 452.6 | 404.9 | 387.1 | 369.2 | 369.2 |
| 35° | 10009.9 | 8354.5 | 2780.8 | 1393.4 | 869.4 | 541.9 | 422.8 | 381.1 | 363.2 | 351.3 | 345.4 |
| 37.5° | 10879.2 | 8848.7 | 2876.1 | 1500.6 | 821.7 | 464.5 | 387.1 | 351.3 | 333.5 | 309.6 | 309.6 |
| 40° | 11456.9 | 9116.7 | 2894.0 | 1417.2 | 678.8 | 416.8 | 351.3 | 315.6 | 291.8 | 279.9 | 273.9 |
| 42.5° | 11879.6 | 9289.3 | 2691.5 | 1149.3 | 589.5 | 381.1 | 321.6 | 285.8 | 268.0 | 256.1 | 256.1 |
| 45° | 12052.3 | 9229.8 | 2346.2 | 875.3 | 541.9 | 351.3 | 291.8 | 262.0 | 250.1 | 238.2 | 238.2 |
| 47.5° | 12028.5 | 8955.9 | 1994.8 | 702.7 | 494.2 | 321.6 | 273.9 | 250.1 | 238.2 | 226.3 | 220.3 |
| 50° | 11986.8 | 8699.8 | 1637.5 | 625.2 | 440.6 | 303.7 | 256.1 | 238.2 | 220.3 | 208.4 | 202.5 |
| 52.5° | 12260.7 | 8616.5 | 1357.7 | 571.7 | 410.9 | 291.8 | 250.1 | 226.3 | 208.4 | 196.5 | 196.5 |
| 55° | 12534.7 | 8652.2 | 1065.9 | 535.9 | 381.1 | 285.8 | 244.1 | 220.3 | 202.5 | 184.6 | 184.6 |
| 57.5° | 12516.8 | 8497.4 | 809.8 | 500.2 | 357.3 | 279.9 | 238.2 | 214.4 | 184.6 | 172.7 | 172.7 |
| 60° | *11379.4* | *7580.3* | *631.2* | *458.5* | *327.5* | *262.0* | *220.3* | *202.5* | *172.7* | *154.8* | *154.8* |
| 62.5° | 9622.8 | 5960.7 | 518.1 | 404.9 | 291.8 | 238.2 | 202.5 | 184.6 | 154.8 | 125.0 | 125.0 |
| 65° | 7109.9 | 4299.3 | 416.8 | 351.3 | 268.0 | 208.4 | 184.6 | 160.8 | 125.0 | 101.2 | 95.3 |
| 67.5° | 4811.4 | 2643.9 | 333.5 | 291.8 | 238.2 | 178.6 | 154.8 | 137.0 | 113.1 | 83.4 | 77.4 |
| 70° | 2852.3 | 1405.3 | 244.1 | 202.5 | 178.6 | 131.0 | 131.0 | 119.1 | 95.3 | 71.5 | 65.5 |
| 72.5° | 1357.7 | 488.3 | 178.6 | 148.9 | 137.0 | 95.3 | 101.2 | 101.2 | 77.4 | 53.6 | 47.6 |
| 75° | 690.7 | 238.2 | 119.1 | 107.2 | 89.3 | 71.5 | 83.4 | 77.4 | 53.6 | 35.7 | 35.7 |
| 77.5° | 393.0 | 166.7 | 83.4 | 71.5 | 59.5 | 47.6 | 53.6 | 47.6 | 29.8 | 17.9 | 17.9 |
| 80° | 220.3 | 119.1 | 53.6 | 47.6 | 35.7 | 29.8 | 29.8 | 23.8 | 17.9 | 6.0 | 6.0 |
| 82.5° | 83.4 | 71.5 | 35.7 | 23.8 | 17.9 | 17.9 | 11.9 | 11.9 | 6.0 | 0.0 | 0.0 |
| 85° | 35.7 | 17.9 | 17.9 | 11.9 | 11.9 | 6.0 | 6.0 | 6.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 6.0 | 6.0 | 6.0 | 6.0 | 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 |

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**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 |
| 2.5° | 3418.0 | 3429.9 | 3441.8 | 3489.5 | 3501.4 | 3537.1 | 3566.9 | 3602.6 | 3608.6 | 3656.2 | 3656.2 |
| 5° | 2947.6 | 2941.6 | 3042.9 | 3191.7 | 3287.0 | 3418.0 | 3519.2 | 3626.4 | 3686.0 | 3763.4 | 3799.1 |
| 7.5° | 1953.1 | 2102.0 | 2328.3 | 2590.3 | 2929.7 | 3245.3 | 3483.5 | 3691.9 | 3834.8 | 3924.2 | 3959.9 |
| 10° | 970.6 | 1054.0 | 1292.2 | 1720.9 | 2298.5 | 2941.6 | 3447.8 | 3834.8 | 4067.1 | 4168.3 | 4233.8 |
| 12.5° | 684.8 | 702.7 | 744.3 | 976.6 | 1530.4 | 2441.4 | 3334.6 | 3989.7 | 4311.2 | 4501.8 | 4585.1 |
| 15° | 613.3 | 625.2 | 643.1 | 708.6 | 946.8 | 1822.1 | 3132.2 | 4162.3 | 4692.3 | 4912.6 | 5019.8 |
| 17.5° | 565.7 | 571.7 | 589.5 | 643.1 | 744.3 | 1238.6 | 2804.7 | 4346.9 | 5150.8 | 5418.8 | 5621.2 |
| 20° | 524.0 | 524.0 | 541.9 | 607.4 | 690.7 | 952.8 | 2334.2 | 4555.4 | 5734.4 | 6121.4 | 6323.9 |
| 22.5° | 476.4 | 488.3 | 500.2 | 571.7 | 672.9 | 869.4 | 1893.6 | 4716.1 | 6383.4 | 6853.9 | 7092.1 |
| 25° | 440.6 | 452.6 | 464.5 | 535.9 | 655.0 | 869.4 | 1637.5 | 4817.4 | 7109.9 | 7669.7 | 7997.2 |
| 27.5° | 410.9 | 422.8 | 440.6 | 512.1 | 637.2 | 905.1 | 1536.3 | 4847.1 | 7901.9 | 8628.4 | 9069.0 |
| 30° | 387.1 | 399.0 | 416.8 | 494.2 | 649.1 | 946.8 | 1572.0 | 4805.4 | 8705.8 | 9616.9 | 10140.9 |
| 32.5° | 363.2 | 375.1 | 393.0 | 476.4 | 649.1 | 1000.4 | 1691.1 | 4722.1 | 9485.8 | 10605.3 | 11248.4 |
| 35° | 345.4 | 351.3 | 357.3 | 428.7 | 589.5 | 994.4 | 1840.0 | 4638.7 | 10271.9 | 11581.9 | 12332.2 |
| 37.5° | 309.6 | 315.6 | 327.5 | 369.2 | 470.4 | 905.1 | 1869.8 | 4537.5 | 10891.2 | 12403.7 | 13231.4 |
| 40° | 273.9 | 285.8 | 297.7 | 339.4 | 393.0 | 732.4 | 1738.8 | 4323.1 | 11218.7 | 13034.9 | 14041.2 |
| 42.5° | 250.1 | 256.1 | 268.0 | 309.6 | 363.2 | 583.6 | 1458.9 | 3948.0 | 11510.4 | 13463.6 | 14630.7 |
| 45° | 232.2 | 238.2 | 250.1 | 279.9 | 339.4 | 506.2 | 1149.3 | 3489.5 | 11534.3 | 13600.5 | 14916.5 |
| 47.5° | 214.4 | 220.3 | 226.3 | 256.1 | 327.5 | 452.6 | 881.3 | 3072.6 | 11528.3 | 13779.2 | 15160.7 |
| 50° | 202.5 | 208.4 | 220.3 | 244.1 | 309.6 | 404.9 | 726.5 | 2733.2 | 11778.4 | 14166.2 | 15654.9 |
| 52.5° | 196.5 | 196.5 | 214.4 | 238.2 | 291.8 | 369.2 | 607.4 | 2429.5 | 11909.4 | 14547.3 | 16012.2 |
| 55° | 184.6 | 190.6 | 202.5 | 226.3 | 273.9 | 351.3 | 518.1 | 2048.4 | 11969.0 | 14737.9 | 16077.7 |
| 57.5° | 172.7 | 178.6 | 196.5 | 214.4 | 262.0 | 333.5 | 446.6 | 1530.4 | 11117.4 | 13743.5 | 14982.0 |
| 60° | *154.8* | *166.7* | *190.6* | *208.4* | *244.1* | *303.7* | *393.0* | *1036.1* | *9378.7* | *11945.1* | *12981.3* |
| 62.5° | 125.0 | 148.9 | 172.7 | 184.6 | 220.3 | 256.1 | 333.5 | 690.7 | 7491.0 | 9884.8 | 11063.8 |
| 65° | 95.3 | 125.0 | 142.9 | 160.8 | 184.6 | 214.4 | 279.9 | 470.4 | 4996.0 | 6651.4 | 7979.3 |
| 67.5° | 83.4 | 107.2 | 119.1 | 131.0 | 154.8 | 184.6 | 226.3 | 327.5 | 3030.9 | 3995.6 | 5305.6 |
| 70° | 65.5 | 89.3 | 101.2 | 95.3 | 119.1 | 142.9 | 160.8 | 220.3 | 1548.2 | 2167.5 | 3019.0 |
| 72.5° | 47.6 | 71.5 | 77.4 | 77.4 | 71.5 | 101.2 | 119.1 | 154.8 | 672.9 | 1054.0 | 1369.6 |
| 75° | 35.7 | 47.6 | 53.6 | 47.6 | 41.7 | 65.5 | 83.4 | 101.2 | 440.6 | 631.2 | 797.9 |
| 77.5° | 17.9 | 17.9 | 29.8 | 29.8 | 17.9 | 35.7 | 41.7 | 59.5 | 250.1 | 369.2 | 458.5 |
| 80° | 6.0 | 0.0 | 0.0 | 6.0 | 0.0 | 11.9 | 17.9 | 29.8 | 131.0 | 196.5 | 285.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 65.5 | 59.5 | 148.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 35.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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: P1501990
CATALOG NUMBER: GSS-SB5B-850-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 | 3644.3 |
| 2.5° | 3686.0 | 3686.0 | 3709.8 | 3745.5 | 3763.4 | 3775.3 | 3781.2 | 3793.1 | 3840.8 | 3828.9 |
| 5° | 3840.8 | 3852.7 | 3870.6 | 3906.3 | 3948.0 | 3936.1 | 3936.1 | 3936.1 | 3965.8 | 3942.0 |
| 7.5° | 4043.2 | 4079.0 | 4084.9 | 4126.6 | 4096.8 | 4037.3 | 4001.6 | 3948.0 | 3942.0 | 3942.0 |
| 10° | 4370.8 | 4358.8 | 4358.8 | 4305.3 | 4198.1 | 4025.4 | 3870.6 | 3763.4 | 3703.8 | 3709.8 |
| 12.5° | 4722.1 | 4674.4 | 4680.4 | 4483.9 | 4180.2 | 3799.1 | 3483.5 | 3251.3 | 3233.4 | 3215.5 |
| 15° | 5156.8 | 5031.7 | 5007.9 | 4555.4 | 3912.2 | 3328.7 | 3019.0 | 2834.4 | 2774.9 | 2757.0 |
| 17.5° | 5776.1 | 5460.5 | 5347.3 | 4430.3 | 3560.9 | 3036.9 | 2804.7 | 2721.3 | 2715.3 | 2709.4 |
| 20° | 6431.1 | 5805.8 | 5591.5 | 4245.7 | 3441.8 | 3042.9 | 2870.2 | 2846.3 | 2834.4 | 2840.4 |
| 22.5° | 7193.3 | 6026.2 | 5752.2 | 4275.5 | 3549.0 | 3239.4 | 3102.4 | 3084.5 | 3072.6 | 3084.5 |
| 25° | 7979.3 | 6282.2 | 5942.8 | 4513.7 | 3870.6 | 3602.6 | 3441.8 | 3406.1 | 3441.8 | 3495.4 |
| 27.5° | 8771.3 | 6627.6 | 6317.9 | 4984.1 | 4388.6 | 4096.8 | 3942.0 | 4073.0 | 4126.6 | 4132.6 |
| 30° | 9473.9 | 7109.9 | 6824.1 | 5645.1 | 4978.1 | 4686.4 | 4716.1 | 4882.9 | 4948.4 | 5013.9 |
| 32.5° | 10117.0 | 7753.0 | 7532.7 | 6395.4 | 5740.3 | 5567.7 | 5549.8 | 5674.8 | 5746.3 | 5704.6 |
| 35° | 10766.1 | 8592.6 | 8378.3 | 7211.1 | 6675.2 | 6532.3 | 6383.4 | 6627.6 | 6603.8 | 6538.3 |
| 37.5° | 11379.4 | 9438.2 | 9241.7 | 8086.5 | 7532.7 | 7282.6 | 7258.8 | 7479.1 | 7675.6 | 7663.7 |
| 40° | 11820.1 | 10123.0 | 9884.8 | 8955.9 | 8431.9 | 8217.5 | 8342.5 | 8723.6 | 8676.0 | 8610.5 |
| 42.5° | 12225.0 | 10706.6 | 10492.2 | 9718.1 | 9170.2 | 9265.5 | 9378.7 | 9634.7 | 9604.9 | 9539.4 |
| 45° | 12415.6 | 11206.8 | 11022.2 | 10295.7 | 10027.7 | 10331.4 | 10325.5 | 10420.7 | 10260.0 | 10236.1 |
| 47.5° | 12683.5 | 11564.0 | 11373.5 | 10813.7 | 11051.9 | 11177.0 | 10825.7 | 10724.4 | 10575.6 | 10456.5 |
| 50° | 13177.8 | 12117.8 | 11927.3 | 11599.8 | 11802.2 | 11415.2 | 10986.4 | 10766.1 | 10462.4 | 10254.0 |
| 52.5° | 13755.4 | 12957.4 | 12790.7 | 12659.7 | 12094.0 | 11296.1 | 10748.2 | 10349.3 | 9980.1 | 9801.4 |
| 55° | 14481.8 | 14196.0 | 14076.9 | 13356.4 | 11832.0 | 10807.8 | 10164.7 | 9420.3 | 8914.2 | 8747.5 |
| 57.5° | 14720.0 | 16012.2 | 15970.5 | 13469.5 | 11099.6 | 9920.5 | 8759.4 | 7753.0 | 7229.0 | 7121.8 |
| 60° | 14017.4 | 17435.4 | 17286.5 | 13279.0 | 9771.7 | 8050.8 | 6693.1 | 5662.9 | 4811.4 | 4686.4 |
| 62.5° | 13118.2 | 16345.7 | 16292.1 | 12320.3 | 7443.4 | 5770.1 | 5002.0 | 4037.3 | 3674.1 | 3578.8 |
| 65° | 11236.5 | 13374.3 | 13398.1 | 9884.8 | 4710.2 | 4144.5 | 4108.7 | 3209.6 | 2763.0 | 2691.5 |
| 67.5° | 8652.2 | 10260.0 | 10093.2 | 6216.7 | 2745.1 | 3316.8 | 3281.0 | 2346.2 | 1697.1 | 1649.5 |
| 70° | 5055.5 | 7639.9 | 7371.9 | 3233.4 | 1816.2 | 2768.9 | 2524.8 | 1649.5 | 1155.2 | 1101.6 |
| 72.5° | 2233.0 | 4204.0 | 4513.7 | 1423.2 | 1280.3 | 2203.2 | 1822.1 | 1012.3 | 649.1 | 637.2 |
| 75° | 1238.6 | 2084.1 | 2179.4 | 619.3 | 899.2 | 1566.1 | 1101.6 | 565.7 | 369.2 | 363.2 |
| 77.5° | 744.3 | 923.0 | 899.2 | 399.0 | 672.9 | 1000.4 | 666.9 | 321.6 | 232.2 | 220.3 |
| 80° | 416.8 | 422.8 | 357.3 | 291.8 | 399.0 | 559.7 | 375.1 | 202.5 | 107.2 | 107.2 |
| 82.5° | 256.1 | 232.2 | 184.6 | 89.3 | 107.2 | 339.4 | 137.0 | 113.1 | 35.7 | 35.7 |
| 85° | 107.2 | 71.5 | 47.6 | 17.9 | 41.7 | 89.3 | 47.6 | 53.6 | 17.9 | 17.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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 |

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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

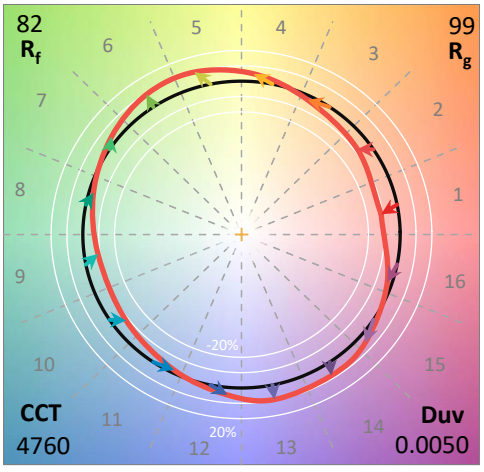
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-12 |
| 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-850-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 4760 |
| CIE u': | 0.2107 |
| CIE v': | 0.4939 |
| Duv: | 0.0050 |
| CIE x: | 0.3537 |
| CIE y: | 0.3685 |
| CIE z: | 0.2779 |
| Peak Wavelength (nm): | 443 |
| Dominant Wavelength (nm): | 571 |
| Purity: | 16.69598 |
| Rf: | 82 |
| Rg: | 99.4 |

| | |
|---|---|
| CRI (Ra): | 81.1 |
| R1: | 79.8 |
| R2: | 83.5 |
| R3: | 87.9 |
| R4: | 83.1 |
| R5: | 80.5 |
| R6: | 79.1 |
| R7: | 86.1 |
| R8: | 69.0 |
| R9: | 8.7 |
| R10: | 62.4 |
| R11: | 83.8 |
| R12: | 63.0 |
| R13: | 79.9 |
| R14: | 93.3 |
| R15: | 72.7 |




## Test Conditions

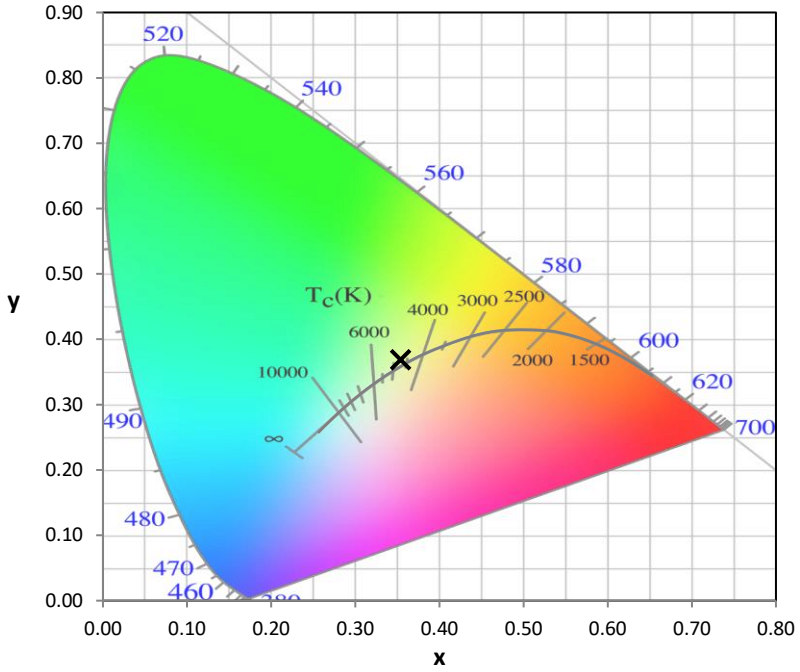
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-12

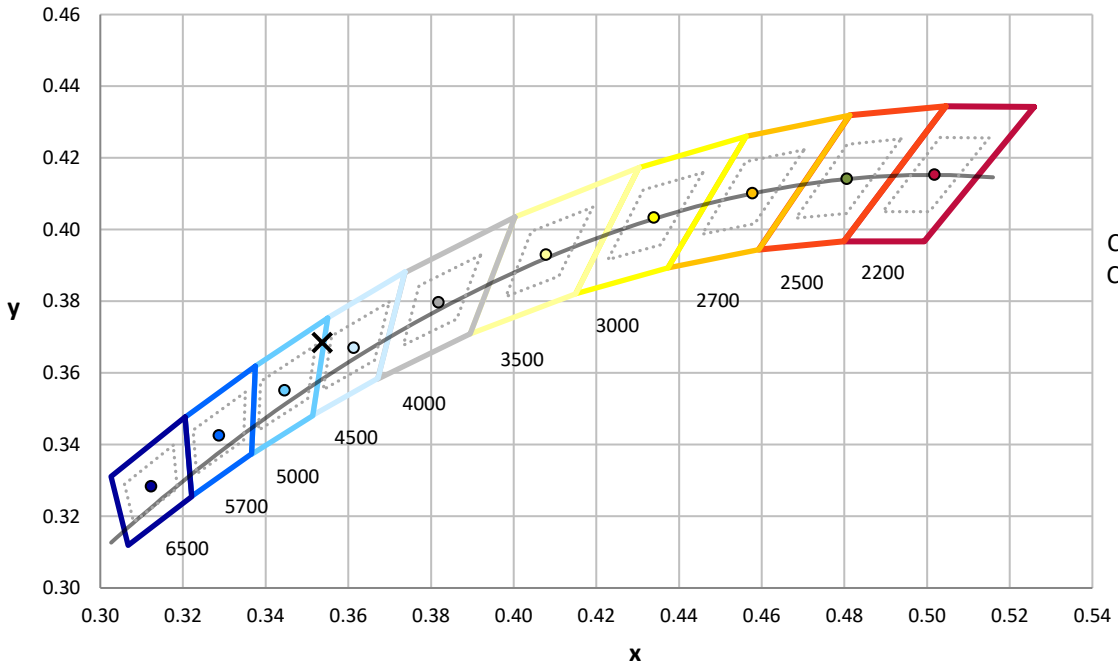
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

## CIE 1931 Chromaticity Diagram




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

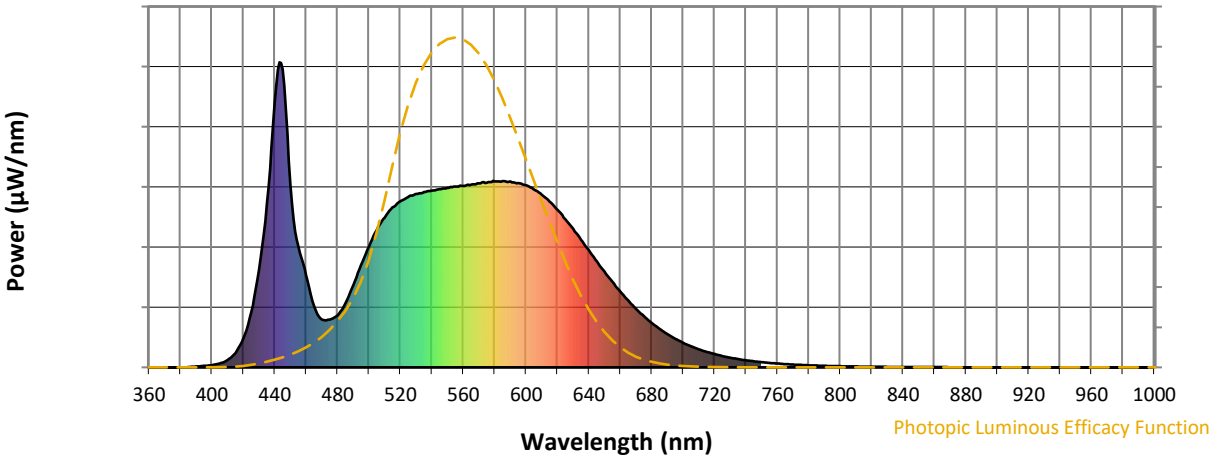



CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

## Photopic Flux vs. Wavelength

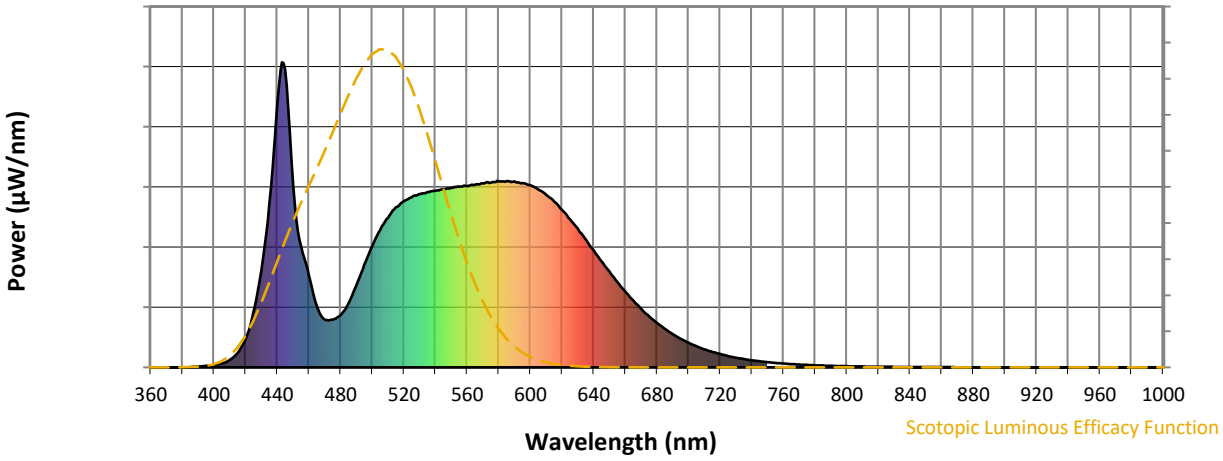



## Photopic Lumens: NR

| 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 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Scotopic Flux vs. Wavelength

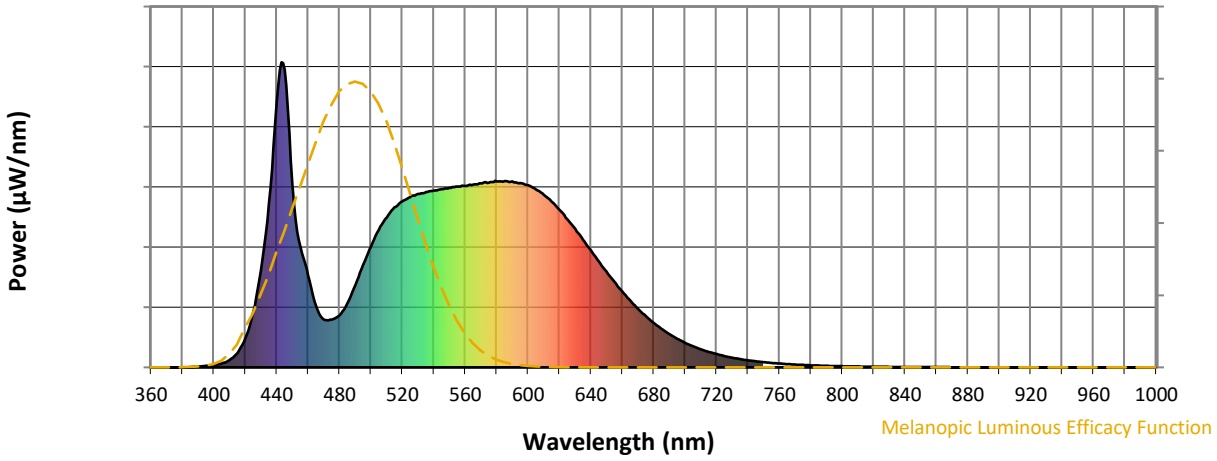



**Scotopic Lumens: NR** **S/P: 1.83**

| 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 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-12

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.74**

| 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 | 270 | NR | 620 | 517 | NR | 750 | 17 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 335 | NR | 625 | 486 | NR | 755 | 15 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 397 | NR | 630 | 454 | NR | 760 | 12 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 451 | NR | 635 | 419 | NR | 765 | 11 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 492 | NR | 640 | 384 | NR | 770 | 9 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 524 | NR | 645 | 347 | NR | 775 | 8 | NR | 905 | 0 | NR |
| 390 | 3 | NR | 520 | 545 | NR | 650 | 313 | NR | 780 | 7 | NR | 910 | 0 | NR |
| 395 | 5 | NR | 525 | 558 | NR | 655 | 280 | NR | 785 | 6 | NR | 915 | 0 | NR |
| 400 | 7 | NR | 530 | 568 | NR | 660 | 248 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 13 | NR | 535 | 575 | NR | 665 | 219 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 24 | NR | 540 | 579 | NR | 670 | 192 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 47 | NR | 545 | 585 | NR | 675 | 167 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 95 | NR | 550 | 588 | NR | 680 | 146 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 181 | NR | 555 | 593 | NR | 685 | 126 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 319 | NR | 560 | 595 | NR | 690 | 109 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 539 | NR | 565 | 600 | NR | 695 | 94 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 868 | NR | 570 | 603 | NR | 700 | 80 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 977 | NR | 575 | 606 | NR | 705 | 69 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 601 | NR | 580 | 609 | NR | 710 | 59 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 397 | NR | 585 | 611 | NR | 715 | 51 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 302 | NR | 590 | 610 | NR | 720 | 44 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 201 | NR | 595 | 604 | NR | 725 | 37 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 157 | NR | 600 | 596 | NR | 730 | 32 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 157 | NR | 605 | 583 | NR | 735 | 27 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 171 | NR | 610 | 566 | NR | 740 | 23 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 210 | NR | 615 | 543 | NR | 745 | 20 | NR | 875 | 0 | NR | | | |

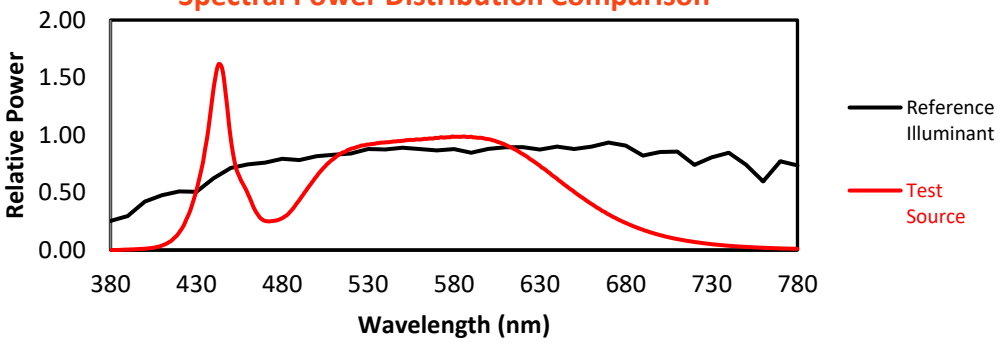
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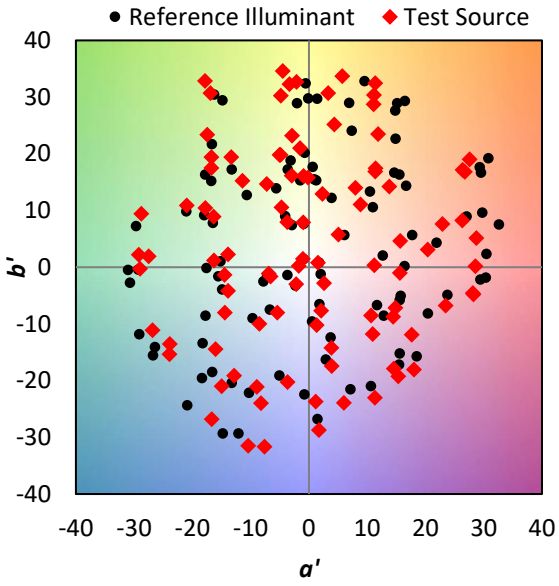
## Summary

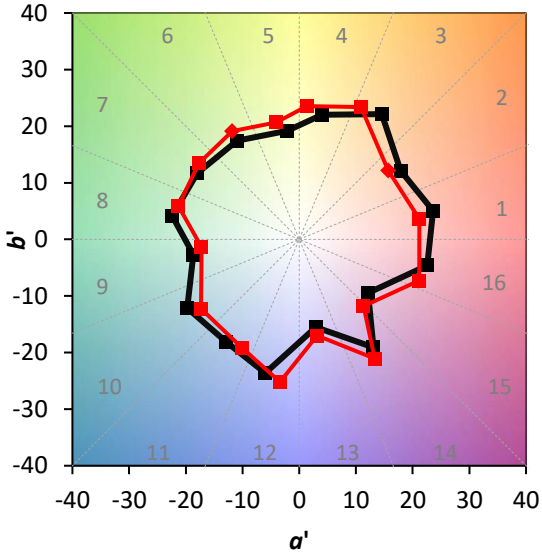
$R_f$ = 82
$R_g$ = 99.4
CIE $R_a$ = 81.1
$R_9$ = 8.7

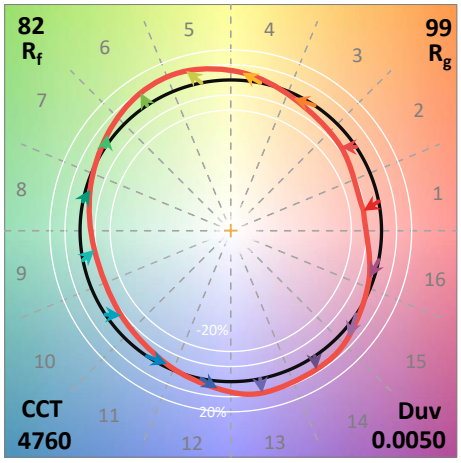
## Spectral Power Distribution Comparison

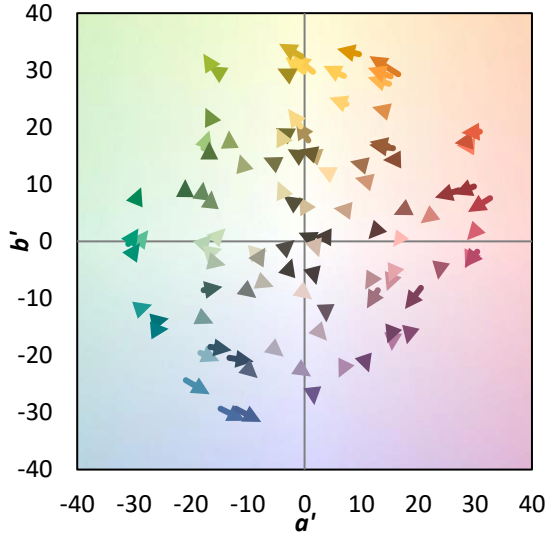



## Color Vector Graphics



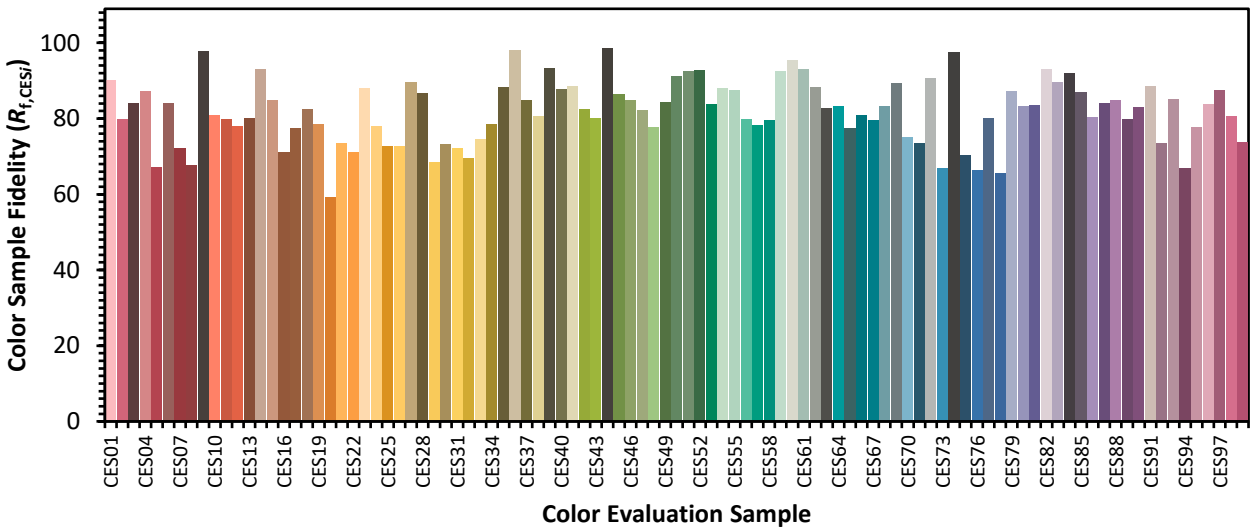



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## Individual Sample Fidelity Index ($R_{f,i}$)

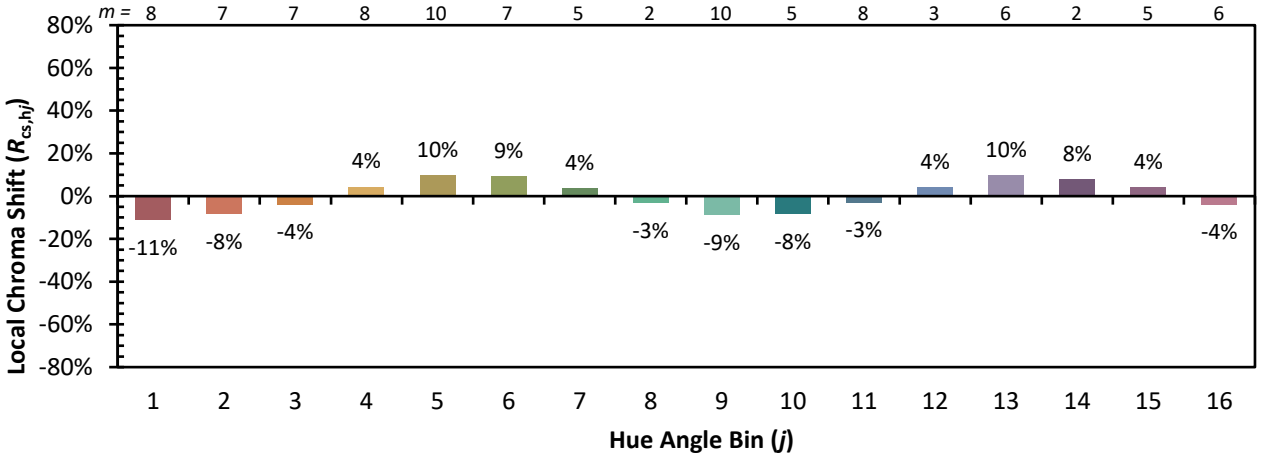
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 73 | CES51 = 92 | CES76 = 66 |
| CES02 = 60 | CES27 = 90 | CES52 = 93 | CES77 = 80 |
| CES03 = 30 | CES28 = 87 | CES53 = 84 | CES78 = 65 |
| CES04 = 69 | CES29 = 69 | CES54 = 88 | CES79 = 87 |
| CES05 = 47 | CES30 = 73 | CES55 = 88 | CES80 = 83 |
| CES06 = 50 | CES31 = 72 | CES56 = 80 | CES81 = 84 |
| CES07 = 40 | CES32 = 69 | CES57 = 78 | CES82 = 93 |
| CES08 = 39 | CES33 = 75 | CES58 = 80 | CES83 = 90 |
| CES09 = 29 | CES34 = 78 | CES59 = 93 | CES84 = 92 |
| CES10 = 73 | CES35 = 88 | CES60 = 95 | CES85 = 87 |
| CES11 = 56 | CES36 = 98 | CES61 = 93 | CES86 = 80 |
| CES12 = 62 | CES37 = 85 | CES62 = 88 | CES87 = 84 |
| CES13 = 42 | CES38 = 81 | CES63 = 83 | CES88 = 85 |
| CES14 = 74 | CES39 = 93 | CES64 = 83 | CES89 = 80 |
| CES15 = 71 | CES40 = 88 | CES65 = 77 | CES90 = 83 |
| CES16 = 46 | CES41 = 89 | CES66 = 81 | CES91 = 89 |
| CES17 = 48 | CES42 = 82 | CES67 = 80 | CES92 = 73 |
| CES18 = 55 | CES43 = 80 | CES68 = 83 | CES93 = 85 |
| CES19 = 70 | CES44 = 99 | CES69 = 89 | CES94 = 67 |
| CES20 = 64 | CES45 = 87 | CES70 = 75 | CES95 = 78 |
| CES21 = 85 | CES46 = 85 | CES71 = 73 | CES96 = 84 |
| CES22 = 77 | CES47 = 82 | CES72 = 91 | CES97 = 87 |
| CES23 = 91 | CES48 = 78 | CES73 = 67 | CES98 = 81 |
| CES24 = 90 | CES49 = 84 | CES74 = 98 | CES99 = 74 |
| CES25 = 71 | CES50 = 91 | CES75 = 70 | |

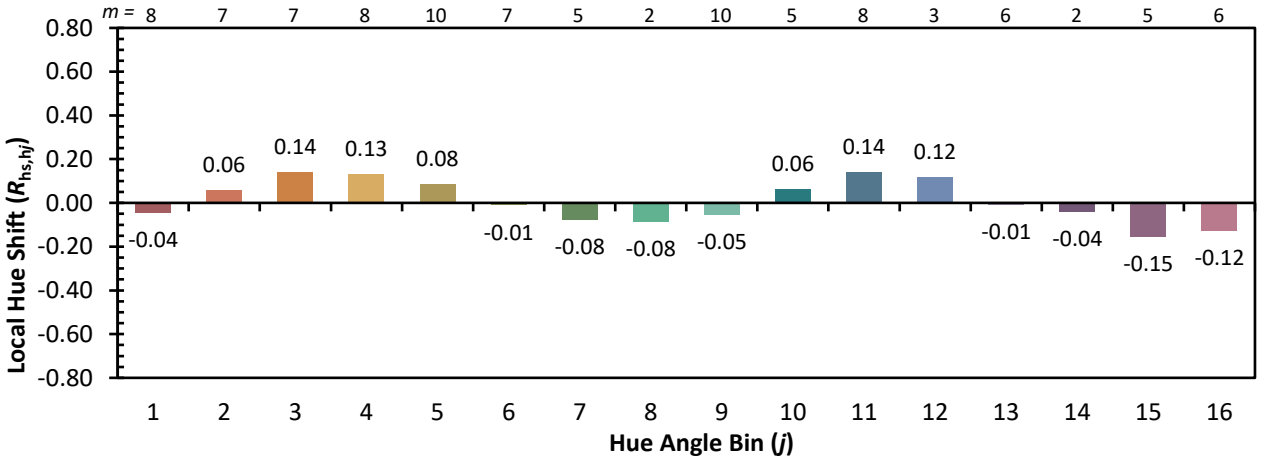


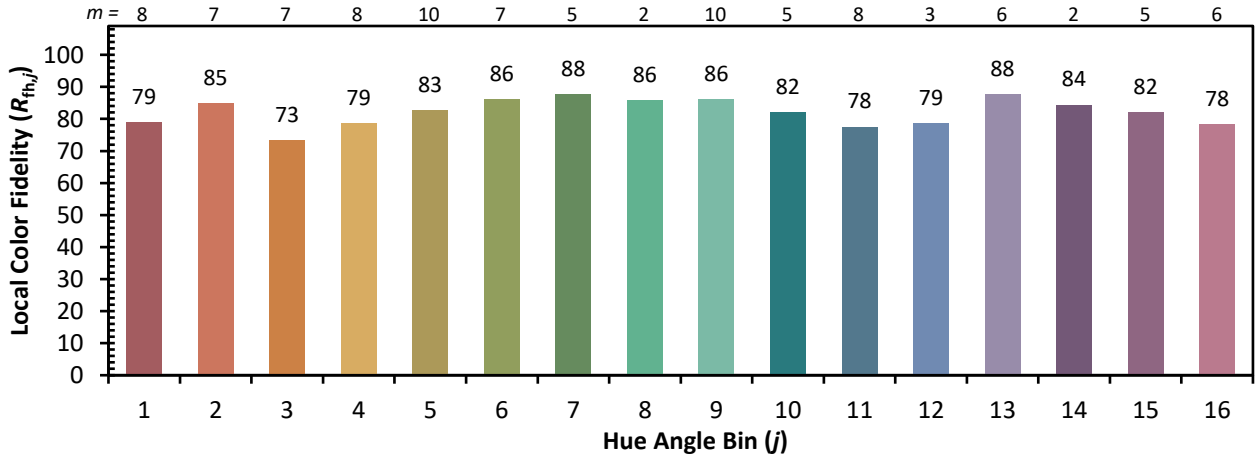
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## Color Rendition by Hue-Angle Bin



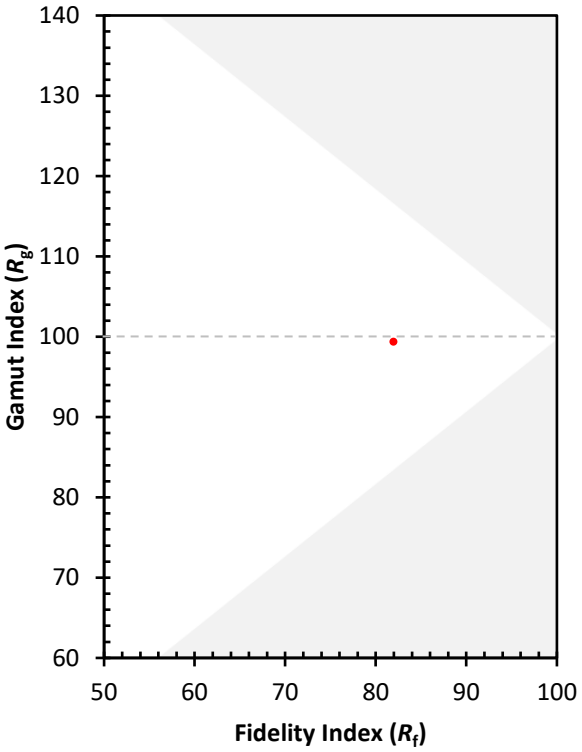



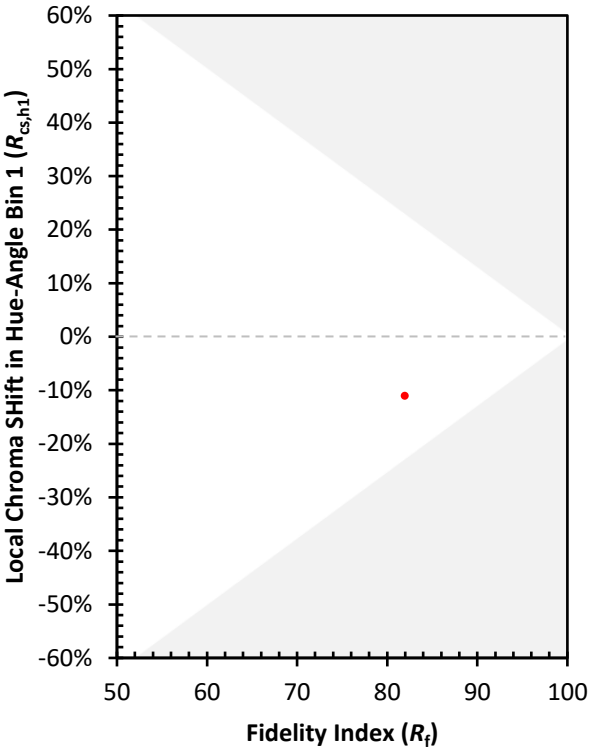



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## Measure Comparisons




(END OF REPORT)