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: P1365123

Luminaire Tested: **GSS-SB6A-835-U-SLL**

Issue Date: 02/18/2026

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

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: | P1365123 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB6A-835-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 80CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (156) 3500K CCT, 80 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

Luminaire Equipment:

| Sample No. | Condition | Description |
|---|---|---|
| a | good | reflector |
| b | good | lens |
| c | good | housing |
| d | good | cord |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 22999.9 lumens |
| Efficiency: | N/A |
| Efficacy: | 135.3 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G4 |

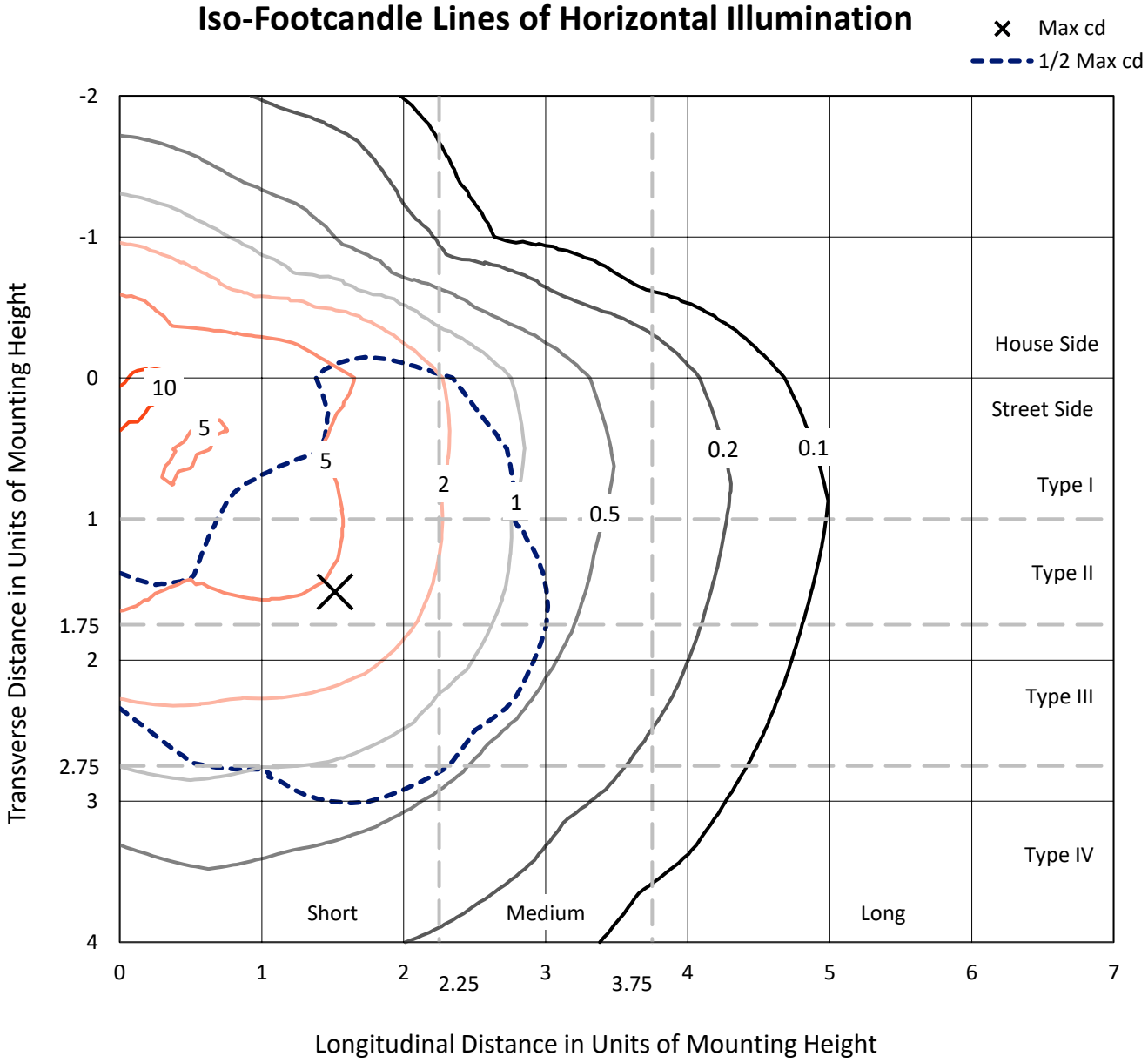
| | |
|---|---|
| Input Watts (W): | 170 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 12.0% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



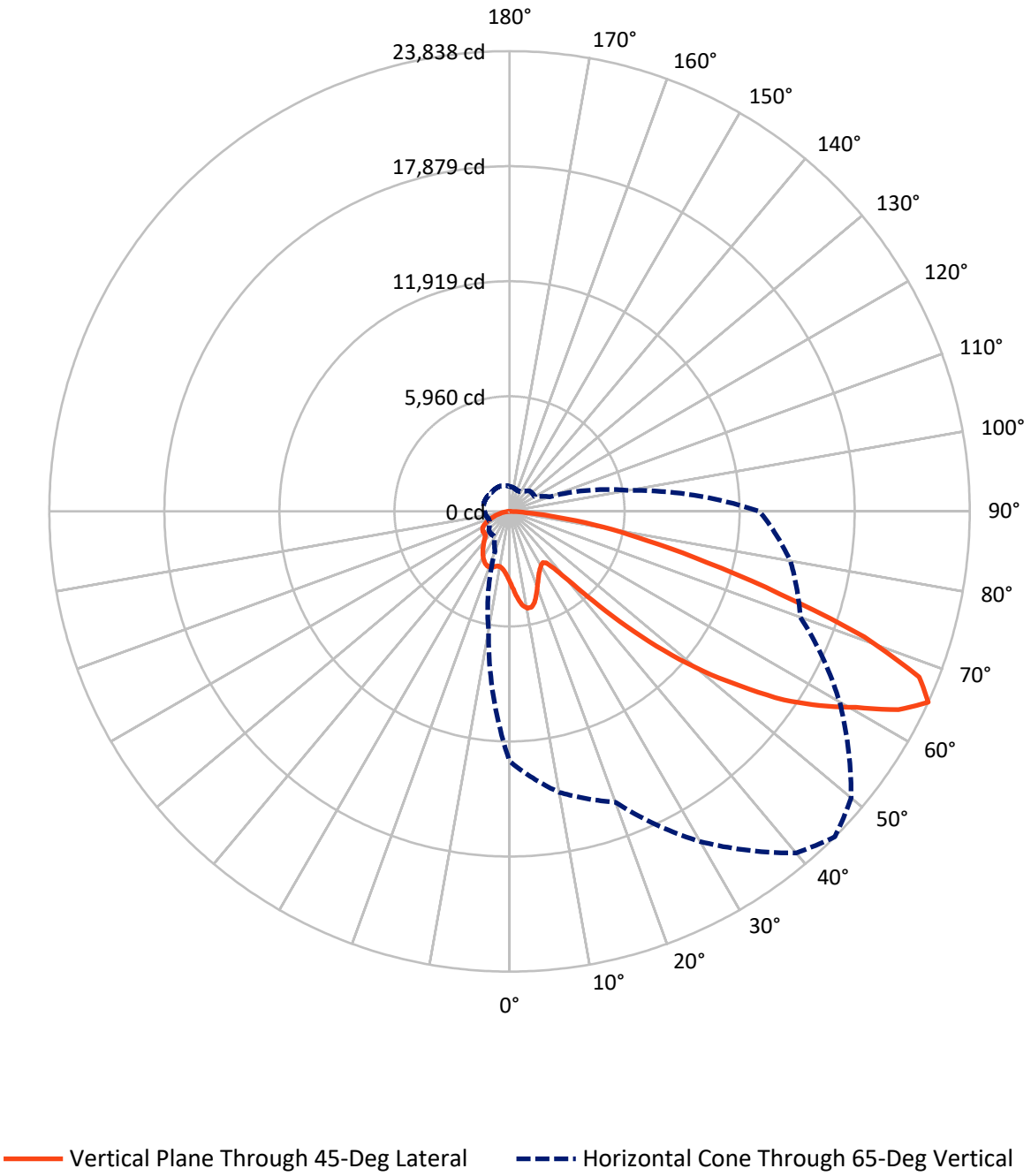

Based on 20 foot mounting height. Maximum calculated value = 12.2 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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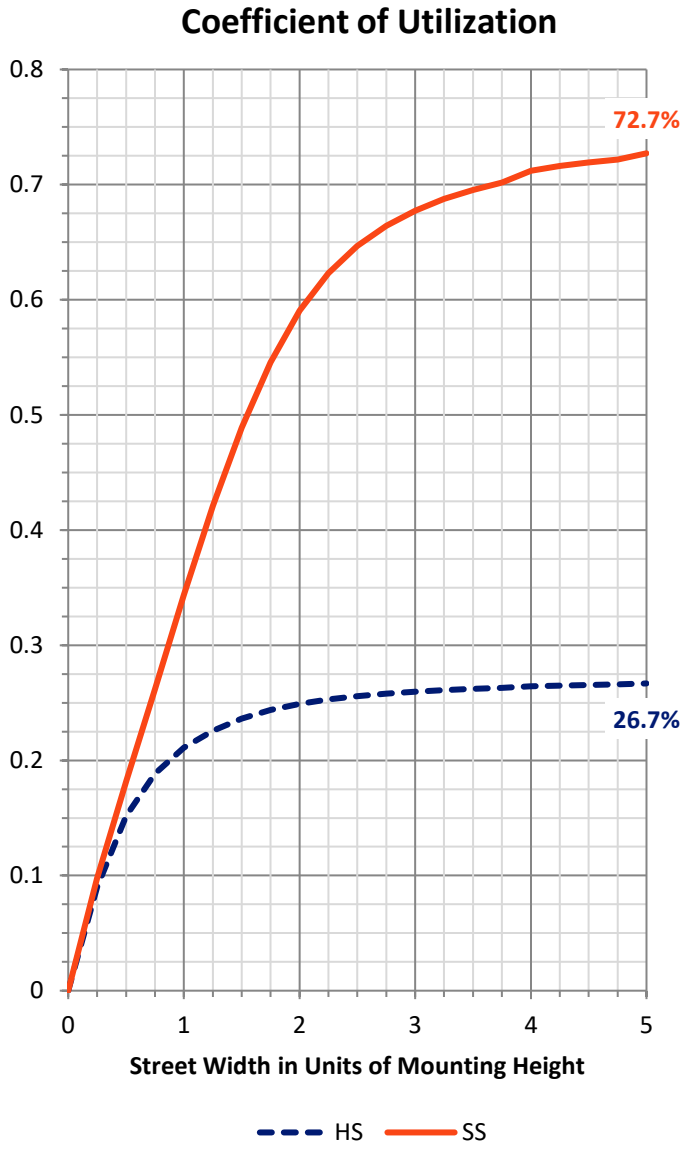
REPORT NUMBER: P1365123
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 6187.5 | 0.0 | 6187.5 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 16812.4 | 0.0 | 16812.4 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 22999.9 | 0.0 | 22999.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 362.1 | 1.6 |
| 10°-20° | 1109.7 | 4.8 |
| 20°-30° | 1717.5 | 7.5 |
| 30°-40° | 2130.8 | 9.3 |
| 40°-50° | 3116.0 | 13.5 |
| 50°-60° | 4880.8 | 21.2 |
| 60°-70° | 5791.4 | 25.2 |
| 70°-80° | 3377.8 | 14.7 |
| 80°-90° | 513.9 | 2.2 |
| 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° | 22999.9 | 100.0 |
| 0°-180° | 22999.9 | 100.0 |



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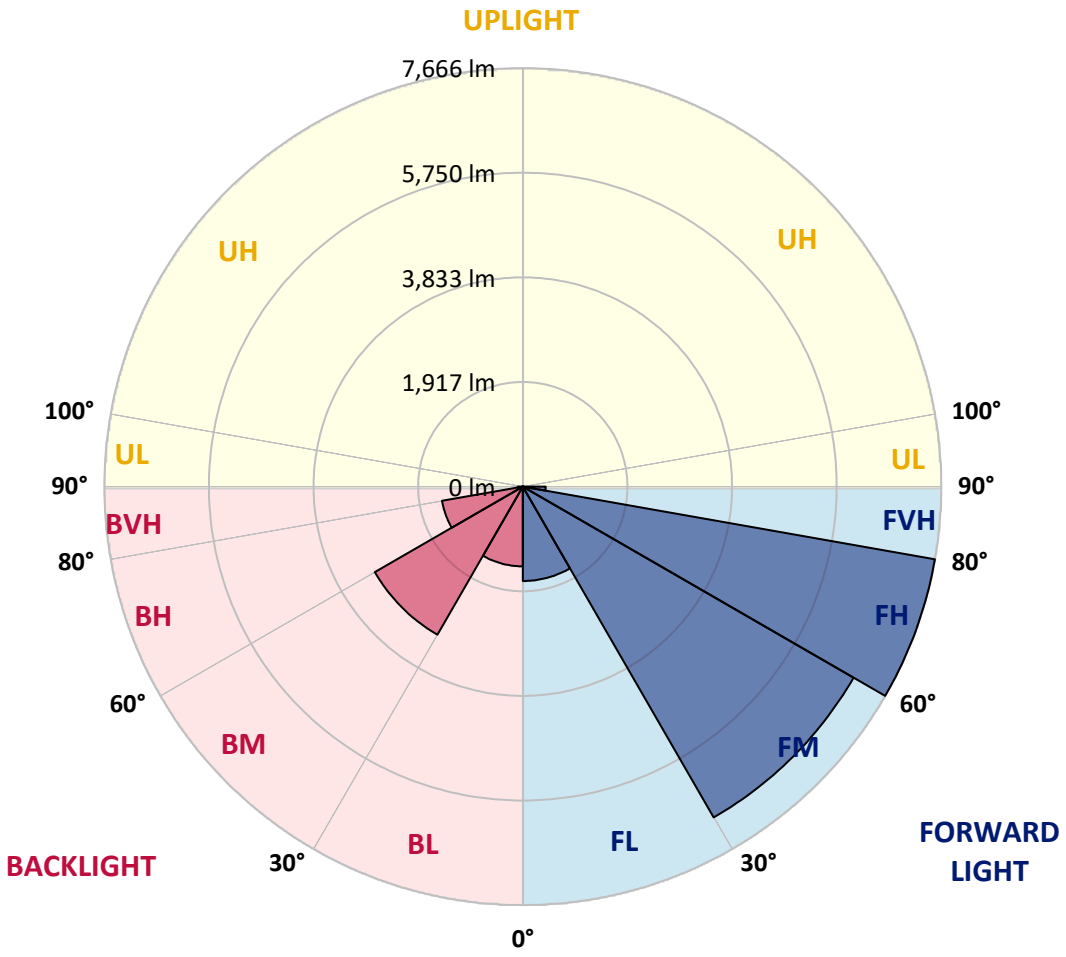
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1728.6 | 7.5 | | | |
| FM | (30°-60°) | 6997.0 | 30.4 | | | |
| FH | (60°-80°) | 7666.5 | 33.3 | | | G4/12000 |
| FVH | (80°-90°) | 420.3 | 1.8 | | | G3/500 |
| BL | (0°-30°) | 1460.7 | 6.4 | B3/2500 | | |
| BM | (30°-60°) | 3130.5 | 13.6 | B3/5000 | | |
| BH | (60°-80°) | 1502.7 | 6.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 93.6 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B3-U0-G4**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | *3667.4* | 3667.4 |
| 2.5° | 3962.7 | 3976.7 | 3990.8 | 4006.0 | 4021.7 | 4030.7 | 4039.7 | 4049.3 | 4058.3 | *4066.7* | 4058.3 |
| 5° | 4232.7 | 4296.2 | 4359.2 | 4402.0 | 4444.7 | 4477.4 | 4510.0 | 4528.5 | 4547.7 | *4550.5* | 4547.7 |
| 7.5° | 4505.5 | 4580.9 | 4656.2 | 4721.5 | 4786.7 | 4828.3 | 4870.0 | 4894.2 | 4918.9 | *4927.3* | 4918.9 |
| 10° | 4677.0 | 4765.3 | 4854.2 | 4917.2 | 4980.8 | 5019.6 | 5057.8 | 5077.0 | 5096.1 | *5101.7* | 5096.1 |
| 12.5° | 4764.2 | 4849.2 | 4934.1 | 4983.0 | 5031.4 | 5056.1 | 5080.3 | 5089.3 | 5097.2 | *5090.5* | 5097.2 |
| 15° | 4806.4 | 4856.5 | 4906.0 | 4926.8 | 4947.0 | 4935.2 | 4922.8 | 4905.4 | 4888.0 | *4876.7* | 4888.0 |
| 17.5° | 4817.7 | 4835.1 | 4853.1 | 4815.4 | 4778.3 | 4710.8 | 4643.3 | 4592.7 | 4542.0 | *4505.5* | 4542.0 |
| 20° | 4854.2 | 4826.1 | 4798.0 | 4697.8 | 4598.3 | 4471.7 | 4345.2 | 4260.2 | 4174.7 | *4123.0* | 4174.7 |
| 22.5° | 4893.6 | 4814.3 | 4735.0 | 4566.8 | 4398.6 | 4225.4 | 4052.7 | 3954.8 | 3857.5 | *3802.4* | 3857.5 |
| 25° | 4955.5 | 4819.3 | 4682.7 | 4455.4 | 4228.7 | 4025.1 | 3822.1 | 3715.8 | 3610.0 | *3549.3* | 3610.0 |
| 27.5° | 5045.5 | 4837.3 | 4629.2 | 4348.0 | 4066.7 | 3846.2 | 3625.2 | 3523.9 | 3422.7 | *3369.3* | 3422.7 |
| 30° | 5172.0 | 4895.8 | 4619.1 | 4282.7 | 3945.8 | 3715.2 | 3484.6 | 3385.6 | 3286.0 | *3228.6* | 3286.0 |
| 32.5° | 5326.7 | 4978.0 | 4629.2 | 4252.4 | 3875.5 | 3640.4 | 3405.8 | 3310.8 | 3216.3 | *3166.8* | 3216.3 |
| 35° | 5588.3 | 5146.7 | 4705.2 | 4287.2 | 3869.9 | 3651.6 | 3434.0 | 3364.2 | 3295.0 | *3268.0* | 3295.0 |
| 37.5° | 5920.1 | 5404.3 | 4888.0 | 4457.7 | 4027.4 | 3878.9 | 3730.4 | 3730.4 | 3730.4 | *3751.8* | 3730.4 |
| 40° | 6409.5 | 5830.1 | 5250.8 | 4843.5 | 4436.9 | 4427.9 | 4420.0 | 4514.5 | 4609.5 | *4651.7* | 4609.5 |
| 42.5° | 7095.7 | 6483.2 | 5871.2 | 5542.7 | 5214.2 | 5411.1 | 5607.9 | 5881.3 | 6154.7 | *6333.5* | 6154.7 |
| 45° | 7947.9 | 7351.6 | 6755.4 | 6525.9 | 6297.0 | 6735.2 | 7172.8 | 7655.9 | 8139.1 | *8482.2* | 8139.1 |
| 47.5° | 8763.5 | 8261.7 | 7759.4 | 7628.4 | 7497.9 | 8226.3 | 8954.7 | 9662.9 | 10371.0 | *10788.4* | 10371.0 |
| 50° | 9708.4 | 9257.3 | 8805.7 | 8780.3 | 8755.0 | 9725.3 | 10695.6 | 11609.6 | 12523.7 | *13032.7* | 12523.7 |
| 52.5° | 10920.6 | 10425.0 | 9928.9 | 9949.2 | 9968.3 | 11120.8 | 12273.4 | 13378.6 | 14483.9 | *15057.6* | 14483.9 |
| 55° | 12369.0 | 11747.4 | 11125.9 | 11122.5 | 11119.1 | 12443.2 | 13768.4 | 15126.3 | 16485.2 | *17251.3* | 16485.2 |
| 57.5° | 13845.5 | 13263.3 | 12681.1 | 12542.8 | 12403.8 | 13788.7 | 15172.9 | 16672.5 | 18172.7 | *18978.1* | 18172.7 |
| 60° | 14953.6 | 14633.0 | 14312.3 | 14090.7 | 13869.7 | 15291.6 | 16714.1 | 18263.2 | 19811.7 | *20615.0* | 19811.7 |
| 62.5° | 14495.2 | 15068.3 | 15641.5 | 15625.2 | 15608.9 | 17143.9 | 18678.9 | 20289.8 | 21901.9 | *22623.0* | 21901.9 |
| 65° | *12948.3* | *13862.4* | *14776.4* | *15405.2* | *16033.5* | *17889.2* | *19744.2* | *21422.7* | *23101.1* | *23838.0* | *23101.1* |
| 67.5° | 11497.1 | 12302.6 | 13108.6 | 13623.3 | 14138.0 | 16228.7 | 18320.0 | 20224.6 | 22129.2 | *22887.4* | 22129.2 |
| 70° | 10107.8 | 10999.9 | 11892.0 | 12259.9 | 12627.7 | 14404.0 | 16179.8 | 17686.7 | 19193.0 | *19490.0* | 19193.0 |
| 72.5° | 8676.3 | 9737.1 | 10798.5 | 10954.3 | 11110.1 | 12402.7 | 13695.3 | 14498.0 | 15300.6 | *14652.6* | 15300.6 |
| 75° | 7104.1 | 8301.1 | 9497.5 | 9601.6 | 9705.6 | 10108.4 | 10511.7 | 10715.8 | 10920.6 | *10552.2* | 10920.6 |
| 77.5° | 4724.8 | 5760.9 | 6797.6 | 7031.0 | 7264.5 | 7532.8 | 7801.6 | 7787.6 | 7773.5 | *7256.0* | 7773.5 |
| 80° | 2773.0 | 3583.6 | 4394.1 | 4424.5 | 4454.9 | 4656.2 | 4857.0 | 5062.3 | 5267.6 | *4938.6* | 5267.6 |
| 82.5° | 1386.5 | 1831.4 | 2276.9 | 2345.5 | 2414.2 | 2537.4 | 2660.5 | 2717.9 | 2775.8 | *2497.4* | 2775.8 |
| 85° | 315.0 | 430.9 | 546.7 | 658.7 | 770.6 | 900.0 | 1029.3 | 1014.7 | 1000.1 | *843.7* | 1000.1 |
| 87.5° | 25.3 | 25.9 | 27.0 | 27.6 | 28.1 | 28.7 | 29.2 | 30.9 | 32.6 | *33.7* | 32.6 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 |
| 2.5° | 4049.3 | 4039.7 | 4030.7 | 4021.7 | 4006.0 | 3990.8 | 3976.7 | 3962.7 | 3926.7 | 3891.2 | 3858.6 |
| 5° | 4528.5 | 4510.0 | 4477.4 | 4444.7 | 4402.0 | 4359.2 | 4296.2 | 4232.7 | 4169.1 | 4106.1 | 4039.7 |
| 7.5° | 4894.2 | 4870.0 | 4828.3 | 4786.7 | 4721.5 | 4656.2 | 4580.9 | 4505.5 | 4398.6 | 4291.7 | 4191.1 |
| 10° | 5077.0 | 5057.8 | 5019.6 | 4980.8 | 4917.2 | 4854.2 | 4765.3 | 4677.0 | 4549.4 | 4421.1 | 4296.2 |
| 12.5° | 5089.3 | 5080.3 | 5056.1 | 5031.4 | 4983.0 | 4934.1 | 4849.2 | 4764.2 | 4637.1 | 4510.0 | 4369.9 |
| 15° | 4905.4 | 4922.8 | 4935.2 | 4947.0 | 4926.8 | 4906.0 | 4856.5 | 4806.4 | 4677.6 | 4549.4 | 4407.0 |
| 17.5° | 4592.7 | 4643.3 | 4710.8 | 4778.3 | 4815.4 | 4853.1 | 4835.1 | 4817.7 | 4697.3 | 4577.5 | 4425.6 |
| 20° | 4260.2 | 4345.2 | 4471.7 | 4598.3 | 4697.8 | 4798.0 | 4826.1 | 4854.2 | 4732.7 | 4611.2 | 4448.1 |
| 22.5° | 3954.8 | 4052.7 | 4225.4 | 4398.6 | 4566.8 | 4735.0 | 4814.3 | 4893.6 | 4782.2 | 4671.4 | 4492.0 |
| 25° | 3715.8 | 3822.1 | 4025.1 | 4228.7 | 4455.4 | 4682.7 | 4819.3 | 4955.5 | 4859.3 | 4763.1 | 4567.4 |
| 27.5° | 3523.9 | 3625.2 | 3846.2 | 4066.7 | 4348.0 | 4629.2 | 4837.3 | 5045.5 | 4971.8 | 4898.1 | 4677.6 |
| 30° | 3385.6 | 3484.6 | 3715.2 | 3945.8 | 4282.7 | 4619.1 | 4895.8 | 5172.0 | 5114.1 | 5056.7 | 4808.1 |
| 32.5° | 3310.8 | 3405.8 | 3640.4 | 3875.5 | 4252.4 | 4629.2 | 4978.0 | 5326.7 | 5290.7 | 5254.7 | 4961.7 |
| 35° | 3364.2 | 3434.0 | 3651.6 | 3869.9 | 4287.2 | 4705.2 | 5146.7 | 5588.3 | 5543.3 | 5498.3 | 5124.8 |
| 37.5° | 3730.4 | 3730.4 | 3878.9 | 4027.4 | 4457.7 | 4888.0 | 5404.3 | 5920.1 | 5866.7 | 5813.2 | 5323.9 |
| 40° | 4514.5 | 4420.0 | 4427.9 | 4436.9 | 4843.5 | 5250.8 | 5830.1 | 6409.5 | 6304.3 | 6198.5 | 5551.7 |
| 42.5° | 5881.3 | 5607.9 | 5411.1 | 5214.2 | 5542.7 | 5871.2 | 6483.2 | 7095.7 | 6873.0 | 6649.7 | 5803.7 |
| 45° | 7655.9 | 7172.8 | 6735.2 | 6297.0 | 6525.9 | 6755.4 | 7351.6 | 7947.9 | 7590.7 | 7233.5 | 6145.7 |
| 47.5° | 9662.9 | 8954.7 | 8226.3 | 7497.9 | 7628.4 | 7759.4 | 8261.7 | 8763.5 | 8311.2 | 7859.0 | 6497.2 |
| 50° | 11609.6 | 10695.6 | 9725.3 | 8755.0 | 8780.3 | 8805.7 | 9257.3 | 9708.4 | 9095.3 | 8482.2 | 6803.8 |
| 52.5° | 13378.6 | 12273.4 | 11120.8 | 9968.3 | 9949.2 | 9928.9 | 10425.0 | 10920.6 | 9946.9 | 8972.7 | 6948.9 |
| 55° | 15126.3 | 13768.4 | 12443.2 | 11119.1 | 11122.5 | 11125.9 | 11747.4 | 12369.0 | 10802.5 | 9235.9 | 6910.6 |
| 57.5° | 16672.5 | 15172.9 | 13788.7 | 12403.8 | 12542.8 | 12681.1 | 13263.3 | 13845.5 | 11520.7 | 9196.6 | 6702.0 |
| 60° | 18263.2 | 16714.1 | 15291.6 | 13869.7 | 14090.7 | 14312.3 | 14633.0 | 14953.6 | 11842.5 | 8730.8 | 6201.9 |
| 62.5° | 20289.8 | 18678.9 | 17143.9 | 15608.9 | 15625.2 | 15641.5 | 15068.3 | 14495.2 | 11128.7 | 7762.2 | 5382.4 |
| 65° | *21422.7* | *19744.2* | *17889.2* | *16033.5* | *15405.2* | *14776.4* | *13862.4* | *12948.3* | *9598.7* | *6249.2* | *4222.0* |
| 67.5° | 20224.6 | 18320.0 | 16228.7 | 14138.0 | 13623.3 | 13108.6 | 12302.6 | 11497.1 | 8243.7 | 4990.3 | 3285.5 |
| 70° | 17686.7 | 16179.8 | 14404.0 | 12627.7 | 12259.9 | 11892.0 | 10999.9 | 10107.8 | 7003.5 | 3899.1 | 2517.7 |
| 72.5° | 14498.0 | 13695.3 | 12402.7 | 11110.1 | 10954.3 | 10798.5 | 9737.1 | 8676.3 | 5815.5 | 2954.2 | 1892.8 |
| 75° | 10715.8 | 10511.7 | 10108.4 | 9705.6 | 9601.6 | 9497.5 | 8301.1 | 7104.1 | 4643.3 | 2182.4 | 1402.8 |
| 77.5° | 7787.6 | 7801.6 | 7532.8 | 7264.5 | 7031.0 | 6797.6 | 5760.9 | 4724.8 | 3046.4 | 1368.0 | 906.7 |
| 80° | 5062.3 | 4857.0 | 4656.2 | 4454.9 | 4424.5 | 4394.1 | 3583.6 | 2773.0 | 1746.5 | 720.0 | 501.2 |
| 82.5° | 2717.9 | 2660.5 | 2537.4 | 2414.2 | 2345.5 | 2276.9 | 1831.4 | 1386.5 | 875.2 | 364.5 | 269.4 |
| 85° | 1014.7 | 1029.3 | 900.0 | 770.6 | 658.7 | 546.7 | 430.9 | 315.0 | 208.1 | 101.2 | 85.5 |
| 87.5° | 30.9 | 29.2 | 28.7 | 28.1 | 27.6 | 27.0 | 25.9 | 25.3 | 24.7 | 23.6 | 23.1 |
| 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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CATALOG NUMBER: GSS-SB6A-835-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 |
| 2.5° | 3826.0 | 3793.4 | 3760.2 | 3728.7 | 3696.6 | 3664.6 | 3636.4 | 3606.1 | 3576.3 | 3552.6 | 3529.6 |
| 5° | 3973.9 | 3909.2 | 3844.6 | 3783.3 | 3722.5 | 3658.9 | 3604.4 | 3550.4 | 3497.5 | 3453.6 | 3409.8 |
| 7.5° | 4090.4 | 4000.4 | 3910.4 | 3829.9 | 3748.9 | 3664.6 | 3598.8 | 3532.9 | 3467.7 | 3410.9 | 3353.5 |
| 10° | 4170.8 | 4060.0 | 3948.6 | 3855.8 | 3763.0 | 3673.0 | 3602.7 | 3533.5 | 3464.9 | 3406.4 | 3347.9 |
| 12.5° | 4229.9 | 4105.6 | 3981.2 | 3878.9 | 3777.1 | 3678.6 | 3610.0 | 3552.6 | 3495.8 | 3454.8 | 3414.3 |
| 15° | 4264.7 | 4130.9 | 3996.4 | 3881.1 | 3765.8 | 3656.1 | 3595.4 | 3558.3 | 3521.1 | 3517.8 | 3514.4 |
| 17.5° | 4273.7 | 4120.7 | 3968.3 | 3833.9 | 3700.0 | 3571.8 | 3520.0 | 3514.9 | 3509.9 | 3565.6 | 3621.3 |
| 20° | 4285.0 | 4105.6 | 3926.1 | 3749.5 | 3572.9 | 3403.0 | 3370.4 | 3402.5 | 3434.0 | 3543.1 | 3651.6 |
| 22.5° | 4313.1 | 4093.7 | 3874.4 | 3652.8 | 3431.1 | 3228.6 | 3197.7 | 3245.0 | 3291.6 | 3434.0 | 3576.3 |
| 25° | 4371.6 | 4092.6 | 3813.6 | 3537.4 | 3261.3 | 3029.0 | 3026.2 | 3077.3 | 3128.5 | 3260.1 | 3391.8 |
| 27.5° | 4457.7 | 4103.3 | 3748.9 | 3419.3 | 3089.1 | 2851.8 | 2865.8 | 2914.8 | 2964.3 | 3062.2 | 3160.0 |
| 30° | 4558.9 | 4126.4 | 3694.4 | 3316.4 | 2939.0 | 2708.3 | 2723.5 | 2761.8 | 2800.0 | 2870.9 | 2941.8 |
| 32.5° | 4668.6 | 4152.2 | 3636.4 | 3226.4 | 2816.9 | 2604.3 | 2604.3 | 2620.6 | 2636.9 | 2683.0 | 2729.2 |
| 35° | 4751.8 | 4146.1 | 3540.8 | 3124.0 | 2706.7 | 2542.4 | 2507.5 | 2494.0 | 2480.5 | 2510.9 | 2541.3 |
| 37.5° | 4834.5 | 4128.6 | 3422.7 | 3010.4 | 2598.7 | 2469.3 | 2402.9 | 2366.9 | 2329.8 | 2344.4 | 2357.9 |
| 40° | 4904.8 | 4089.2 | 3273.6 | 2874.8 | 2476.0 | 2373.7 | 2290.4 | 2236.4 | 2182.4 | 2181.3 | 2179.6 |
| 42.5° | 4956.6 | 4021.2 | 3085.2 | 2713.4 | 2341.0 | 2269.6 | 2166.7 | 2098.1 | 2029.4 | 2022.1 | 2014.8 |
| 45° | 5057.8 | 3974.5 | 2891.2 | 2549.2 | 2207.7 | 2143.1 | 2040.7 | 1969.8 | 1900.1 | 1888.8 | 1877.6 |
| 47.5° | 5135.5 | 3919.9 | 2704.4 | 2386.0 | 2068.8 | 1994.0 | 1898.4 | 1838.2 | 1777.4 | 1770.7 | 1763.4 |
| 50° | 5125.3 | 3827.1 | 2528.4 | 2240.9 | 1952.9 | 1850.6 | 1756.1 | 1706.6 | 1656.5 | 1664.9 | 1673.4 |
| 52.5° | 4924.5 | 3637.0 | 2350.0 | 2110.4 | 1871.9 | 1740.9 | 1639.6 | 1602.5 | 1564.8 | 1591.3 | 1617.1 |
| 55° | 4585.4 | 3385.0 | 2183.6 | 2001.3 | 1817.9 | 1687.4 | 1568.2 | 1526.6 | 1485.0 | 1522.1 | 1559.2 |
| 57.5° | 4207.4 | 3121.2 | 2035.1 | 1909.1 | 1783.1 | 1673.4 | 1527.1 | 1468.6 | 1410.7 | 1447.8 | 1485.0 |
| 60° | 3673.0 | 2787.7 | 1902.3 | 1814.0 | 1725.7 | 1639.6 | 1493.4 | 1420.3 | 1347.1 | 1371.9 | 1396.1 |
| 62.5° | 3002.5 | 2364.7 | 1726.8 | 1677.3 | 1628.4 | 1591.8 | 1452.3 | 1356.7 | 1261.1 | 1264.5 | 1266.7 |
| 65° | *2194.8* | *1858.4* | *1521.5* | *1510.8* | *1500.7* | *1490.6* | *1375.3* | *1272.3* | *1170.0* | *1158.7* | *1147.5* |
| 67.5° | 1580.6 | 1420.8 | 1261.1 | 1290.9 | 1320.7 | 1335.9 | 1257.1 | 1166.6 | 1075.5 | 1052.4 | 1029.3 |
| 70° | 1136.2 | 1080.0 | 1023.7 | 1068.2 | 1112.6 | 1108.1 | 1069.8 | 1015.8 | 961.8 | 947.2 | 932.6 |
| 72.5° | 831.3 | 830.2 | 829.7 | 863.4 | 897.2 | 852.2 | 876.3 | 864.0 | 852.2 | 841.5 | 831.3 |
| 75° | 623.2 | 619.3 | 615.9 | 655.9 | 696.4 | 714.4 | 730.1 | 723.4 | 717.2 | 709.3 | 702.0 |
| 77.5° | 445.5 | 448.9 | 451.1 | 495.0 | 538.9 | 590.6 | 593.4 | 578.8 | 563.6 | 555.7 | 546.7 |
| 80° | 282.4 | 285.7 | 288.0 | 334.1 | 379.7 | 452.8 | 450.0 | 432.0 | 413.4 | 407.2 | 400.5 |
| 82.5° | 174.4 | 174.9 | 175.5 | 198.0 | 220.5 | 261.6 | 272.8 | 272.8 | 272.8 | 268.9 | 264.4 |
| 85° | 70.3 | 73.7 | 77.6 | 92.2 | 106.9 | 129.4 | 136.1 | 137.2 | 137.8 | 131.6 | 124.9 |
| 87.5° | 22.5 | 23.6 | 25.3 | 28.1 | 30.9 | 33.7 | 39.4 | 42.7 | 46.1 | 49.5 | 51.7 |
| 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
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1365123
CATALOG NUMBER: GSS-SB6A-835-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 |
| 2.5° | 3509.3 | 3488.5 | 3464.3 | 3439.6 | 3422.1 | 3404.1 | 3392.3 | 3380.5 | 3374.9 | 3369.3 | 3364.8 |
| 5° | 3373.8 | 3336.6 | 3304.0 | 3270.8 | 3245.0 | 3218.5 | 3197.1 | 3175.2 | 3166.2 | 3156.6 | 3150.5 |
| 7.5° | 3305.1 | 3256.8 | 3216.3 | 3175.2 | 3136.4 | 3098.1 | 3073.4 | 3048.7 | 3034.0 | 3019.4 | 3008.7 |
| 10° | 3296.7 | 3245.5 | 3192.1 | 3138.6 | 3095.9 | 3053.2 | 3016.0 | 2980.0 | 2959.2 | 2939.0 | 2927.7 |
| 12.5° | 3367.0 | 3319.8 | 3256.2 | 3192.1 | 3134.1 | 3076.8 | 3031.2 | 2985.7 | 2959.8 | 2935.0 | 2918.2 |
| 15° | 3498.1 | 3481.8 | 3422.7 | 3363.6 | 3283.8 | 3203.3 | 3138.1 | 3072.3 | 3036.3 | 2999.2 | 2978.3 |
| 17.5° | 3653.3 | 3685.4 | 3644.3 | 3602.7 | 3490.2 | 3377.7 | 3280.4 | 3183.6 | 3130.8 | 3077.9 | 3059.3 |
| 20° | 3738.3 | 3824.9 | 3820.4 | 3816.4 | 3669.6 | 3522.3 | 3394.6 | 3266.9 | 3196.0 | 3126.3 | 3098.1 |
| 22.5° | 3701.1 | 3826.0 | 3858.1 | 3889.6 | 3745.6 | 3601.0 | 3443.5 | 3286.0 | 3202.8 | 3119.0 | 3092.5 |
| 25° | 3526.2 | 3660.6 | 3720.3 | 3779.9 | 3661.2 | 3542.5 | 3389.5 | 3237.1 | 3149.3 | 3061.0 | 3034.0 |
| 27.5° | 3268.0 | 3376.0 | 3443.0 | 3509.9 | 3437.3 | 3364.8 | 3241.0 | 3117.3 | 3039.7 | 2961.5 | 2932.8 |
| 30° | 3014.9 | 3088.0 | 3141.5 | 3194.9 | 3147.1 | 3099.3 | 3010.4 | 2922.1 | 2864.2 | 2806.8 | 2788.8 |
| 32.5° | 2783.7 | 2837.7 | 2867.5 | 2896.8 | 2859.7 | 2822.5 | 2764.0 | 2705.5 | 2669.5 | 2633.5 | 2621.7 |
| 35° | 2585.2 | 2629.6 | 2652.1 | 2674.6 | 2643.7 | 2612.7 | 2560.4 | 2508.7 | 2482.8 | 2456.9 | 2447.4 |
| 37.5° | 2395.6 | 2432.7 | 2464.8 | 2497.4 | 2474.9 | 2452.4 | 2408.0 | 2363.5 | 2333.2 | 2301.7 | 2284.8 |
| 40° | 2215.6 | 2251.1 | 2291.6 | 2331.5 | 2327.5 | 2323.0 | 2280.9 | 2238.7 | 2194.8 | 2151.5 | 2128.4 |
| 42.5° | 2050.2 | 2085.7 | 2128.4 | 2171.2 | 2179.6 | 2188.1 | 2153.2 | 2117.7 | 2067.1 | 2016.5 | 1981.1 |
| 45° | 1907.9 | 1939.4 | 1986.1 | 2033.4 | 2053.1 | 2072.7 | 2041.2 | 2009.2 | 1952.4 | 1895.6 | 1853.4 |
| 47.5° | 1795.4 | 1828.1 | 1879.8 | 1932.1 | 1952.9 | 1974.3 | 1952.9 | 1932.1 | 1883.2 | 1833.7 | 1796.6 |
| 50° | 1708.8 | 1743.7 | 1784.2 | 1825.3 | 1864.1 | 1902.3 | 1898.4 | 1894.4 | 1855.6 | 1816.8 | 1781.9 |
| 52.5° | 1649.2 | 1681.8 | 1724.0 | 1766.2 | 1806.7 | 1847.8 | 1853.9 | 1860.7 | 1832.6 | 1804.4 | 1774.1 |
| 55° | 1598.0 | 1636.8 | 1676.2 | 1715.6 | 1753.8 | 1791.5 | 1799.9 | 1808.4 | 1788.1 | 1767.3 | 1744.8 |
| 57.5° | 1527.1 | 1569.3 | 1608.7 | 1648.1 | 1692.5 | 1736.9 | 1743.7 | 1750.4 | 1729.1 | 1707.1 | 1690.3 |
| 60° | 1439.4 | 1482.1 | 1523.2 | 1563.7 | 1608.7 | 1653.7 | 1662.7 | 1671.7 | 1654.8 | 1637.9 | 1622.2 |
| 62.5° | 1315.6 | 1364.0 | 1397.8 | 1431.5 | 1474.3 | 1517.6 | 1530.5 | 1544.0 | 1536.1 | 1528.8 | 1510.8 |
| 65° | *1193.6* | *1240.3* | *1266.7* | *1293.7* | *1330.8* | *1368.0* | *1380.9* | *1393.8* | *1389.9* | *1386.5* | *1373.6* |
| 67.5° | 1072.1 | 1114.8 | 1136.8 | 1158.7 | 1184.0 | 1209.3 | 1224.0 | 1238.6 | 1231.3 | 1223.4 | 1209.9 |
| 70° | 967.5 | 1002.3 | 1021.5 | 1040.6 | 1060.8 | 1081.1 | 1089.0 | 1096.8 | 1085.6 | 1074.3 | 1044.0 |
| 72.5° | 857.8 | 884.2 | 900.5 | 916.8 | 936.0 | 955.1 | 959.6 | 964.7 | 947.2 | 929.2 | 893.8 |
| 75° | 722.2 | 742.5 | 754.9 | 767.8 | 787.5 | 807.2 | 815.6 | 824.0 | 799.3 | 775.1 | 737.4 |
| 77.5° | 565.3 | 583.9 | 595.7 | 607.5 | 623.8 | 640.1 | 642.4 | 645.7 | 624.4 | 603.0 | 580.5 |
| 80° | 414.0 | 427.5 | 432.0 | 435.9 | 449.4 | 462.4 | 462.4 | 462.4 | 446.6 | 430.3 | 419.0 |
| 82.5° | 261.6 | 258.7 | 253.1 | 247.5 | 261.0 | 274.5 | 279.0 | 284.1 | 276.7 | 270.0 | 257.6 |
| 85° | 117.0 | 108.0 | 106.3 | 104.1 | 103.5 | 102.4 | 106.3 | 109.7 | 108.0 | 106.9 | 102.4 |
| 87.5° | 55.1 | 57.4 | 55.7 | 53.4 | 51.2 | 49.5 | 45.0 | 40.5 | 37.1 | 33.7 | 31.5 |
| 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
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Scaled Data Report

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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 |
| 2.5° | 3360.8 | 3358.0 | 3360.8 | 3364.8 | 3369.3 | 3374.9 | 3380.5 | 3392.3 | 3404.1 | 3422.1 | 3439.6 |
| 5° | 3144.3 | 3138.6 | 3144.3 | 3150.5 | 3156.6 | 3166.2 | 3175.2 | 3197.1 | 3218.5 | 3245.0 | 3270.8 |
| 7.5° | 2998.0 | 2992.4 | 2998.0 | 3008.7 | 3019.4 | 3034.0 | 3048.7 | 3073.4 | 3098.1 | 3136.4 | 3175.2 |
| 10° | 2916.5 | 2908.0 | 2916.5 | 2927.7 | 2939.0 | 2959.2 | 2980.0 | 3016.0 | 3053.2 | 3095.9 | 3138.6 |
| 12.5° | 2901.3 | 2891.2 | 2901.3 | 2918.2 | 2935.0 | 2959.8 | 2985.7 | 3031.2 | 3076.8 | 3134.1 | 3192.1 |
| 15° | 2957.5 | 2941.8 | 2957.5 | 2978.3 | 2999.2 | 3036.3 | 3072.3 | 3138.1 | 3203.3 | 3283.8 | 3363.6 |
| 17.5° | 3040.2 | 3031.8 | 3040.2 | 3059.3 | 3077.9 | 3130.8 | 3183.6 | 3280.4 | 3377.7 | 3490.2 | 3602.7 |
| 20° | 3070.0 | 3059.9 | 3070.0 | 3098.1 | 3126.3 | 3196.0 | 3266.9 | 3394.6 | 3522.3 | 3669.6 | 3816.4 |
| 22.5° | 3065.5 | 3054.3 | 3065.5 | 3092.5 | 3119.0 | 3202.8 | 3286.0 | 3443.5 | 3601.0 | 3745.6 | 3889.6 |
| 25° | 3006.5 | 2998.0 | 3006.5 | 3034.0 | 3061.0 | 3149.3 | 3237.1 | 3389.5 | 3542.5 | 3661.2 | 3779.9 |
| 27.5° | 2903.5 | 2885.5 | 2903.5 | 2932.8 | 2961.5 | 3039.7 | 3117.3 | 3241.0 | 3364.8 | 3437.3 | 3509.9 |
| 30° | 2770.2 | 2761.8 | 2770.2 | 2788.8 | 2806.8 | 2864.2 | 2922.1 | 3010.4 | 3099.3 | 3147.1 | 3194.9 |
| 32.5° | 2609.9 | 2604.3 | 2609.9 | 2621.7 | 2633.5 | 2669.5 | 2705.5 | 2764.0 | 2822.5 | 2859.7 | 2896.8 |
| 35° | 2438.4 | 2429.9 | 2438.4 | 2447.4 | 2456.9 | 2482.8 | 2508.7 | 2560.4 | 2612.7 | 2643.7 | 2674.6 |
| 37.5° | 2267.9 | 2255.6 | 2267.9 | 2284.8 | 2301.7 | 2333.2 | 2363.5 | 2408.0 | 2452.4 | 2474.9 | 2497.4 |
| 40° | 2104.8 | 2092.4 | 2104.8 | 2128.4 | 2151.5 | 2194.8 | 2238.7 | 2280.9 | 2323.0 | 2327.5 | 2331.5 |
| 42.5° | 1946.2 | 1923.7 | 1946.2 | 1981.1 | 2016.5 | 2067.1 | 2117.7 | 2153.2 | 2188.1 | 2179.6 | 2171.2 |
| 45° | 1811.2 | 1783.1 | 1811.2 | 1853.4 | 1895.6 | 1952.4 | 2009.2 | 2041.2 | 2072.7 | 2053.1 | 2033.4 |
| 47.5° | 1759.4 | 1732.4 | 1759.4 | 1796.6 | 1833.7 | 1883.2 | 1932.1 | 1952.9 | 1974.3 | 1952.9 | 1932.1 |
| 50° | 1746.5 | 1721.2 | 1746.5 | 1781.9 | 1816.8 | 1855.6 | 1894.4 | 1898.4 | 1902.3 | 1864.1 | 1825.3 |
| 52.5° | 1743.7 | 1721.2 | 1743.7 | 1774.1 | 1804.4 | 1832.6 | 1860.7 | 1853.9 | 1847.8 | 1806.7 | 1766.2 |
| 55° | 1722.3 | 1704.3 | 1722.3 | 1744.8 | 1767.3 | 1788.1 | 1808.4 | 1799.9 | 1791.5 | 1753.8 | 1715.6 |
| 57.5° | 1673.4 | 1664.9 | 1673.4 | 1690.3 | 1707.1 | 1729.1 | 1750.4 | 1743.7 | 1736.9 | 1692.5 | 1648.1 |
| 60° | 1605.9 | 1591.8 | 1605.9 | 1622.2 | 1637.9 | 1654.8 | 1671.7 | 1662.7 | 1653.7 | 1608.7 | 1563.7 |
| 62.5° | 1493.4 | 1473.7 | 1493.4 | 1510.8 | 1528.8 | 1536.1 | 1544.0 | 1530.5 | 1517.6 | 1474.3 | 1431.5 |
| 65° | *1361.2* | *1338.7* | *1361.2* | *1373.6* | *1386.5* | *1389.9* | *1393.8* | *1380.9* | *1368.0* | *1330.8* | *1293.7* |
| 67.5° | 1197.0 | 1192.5 | 1197.0 | 1209.9 | 1223.4 | 1231.3 | 1238.6 | 1224.0 | 1209.3 | 1184.0 | 1158.7 |
| 70° | 1013.6 | 978.7 | 1013.6 | 1044.0 | 1074.3 | 1085.6 | 1096.8 | 1089.0 | 1081.1 | 1060.8 | 1040.6 |
| 72.5° | 857.8 | 821.2 | 857.8 | 893.8 | 929.2 | 947.2 | 964.7 | 959.6 | 955.1 | 936.0 | 916.8 |
| 75° | 700.3 | 675.0 | 700.3 | 737.4 | 775.1 | 799.3 | 824.0 | 815.6 | 807.2 | 787.5 | 767.8 |
| 77.5° | 558.0 | 545.6 | 558.0 | 580.5 | 603.0 | 624.4 | 645.7 | 642.4 | 640.1 | 623.8 | 607.5 |
| 80° | 407.8 | 399.4 | 407.8 | 419.0 | 430.3 | 446.6 | 462.4 | 462.4 | 462.4 | 449.4 | 435.9 |
| 82.5° | 244.7 | 236.2 | 244.7 | 257.6 | 270.0 | 276.7 | 284.1 | 279.0 | 274.5 | 261.0 | 247.5 |
| 85° | 98.4 | 95.6 | 98.4 | 102.4 | 106.9 | 108.0 | 109.7 | 106.3 | 102.4 | 103.5 | 104.1 |
| 87.5° | 29.2 | 28.1 | 29.2 | 31.5 | 33.7 | 37.1 | 40.5 | 45.0 | 49.5 | 51.2 | 53.4 |
| 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):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 |
| 2.5° | 3464.3 | 3488.5 | 3509.3 | 3529.6 | 3552.6 | 3576.3 | 3606.1 | 3636.4 | 3664.6 | 3696.6 | 3728.7 |
| 5° | 3304.0 | 3336.6 | 3373.8 | 3409.8 | 3453.6 | 3497.5 | 3550.4 | 3604.4 | 3658.9 | 3722.5 | 3783.3 |
| 7.5° | 3216.3 | 3256.8 | 3305.1 | 3353.5 | 3410.9 | 3467.7 | 3532.9 | 3598.8 | 3664.6 | 3748.9 | 3829.9 |
| 10° | 3192.1 | 3245.5 | 3296.7 | 3347.9 | 3406.4 | 3464.9 | 3533.5 | 3602.7 | 3673.0 | 3763.0 | 3855.8 |
| 12.5° | 3256.2 | 3319.8 | 3367.0 | 3414.3 | 3454.8 | 3495.8 | 3552.6 | 3610.0 | 3678.6 | 3777.1 | 3878.9 |
| 15° | 3422.7 | 3481.8 | 3498.1 | 3514.4 | 3517.8 | 3521.1 | 3558.3 | 3595.4 | 3656.1 | 3765.8 | 3881.1 |
| 17.5° | 3644.3 | 3685.4 | 3653.3 | 3621.3 | 3565.6 | 3509.9 | 3514.9 | 3520.0 | 3571.8 | 3700.0 | 3833.9 |
| 20° | 3820.4 | 3824.9 | 3738.3 | 3651.6 | 3543.1 | 3434.0 | 3402.5 | 3370.4 | 3403.0 | 3572.9 | 3749.5 |
| 22.5° | 3858.1 | 3826.0 | 3701.1 | 3576.3 | 3434.0 | 3291.6 | 3245.0 | 3197.7 | 3228.6 | 3431.1 | 3652.8 |
| 25° | 3720.3 | 3660.6 | 3526.2 | 3391.8 | 3260.1 | 3128.5 | 3077.3 | 3026.2 | 3029.0 | 3261.3 | 3537.4 |
| 27.5° | 3443.0 | 3376.0 | 3268.0 | 3160.0 | 3062.2 | 2964.3 | 2914.8 | 2865.8 | 2851.8 | 3089.1 | 3419.3 |
| 30° | 3141.5 | 3088.0 | 3014.9 | 2941.8 | 2870.9 | 2800.0 | 2761.8 | 2723.5 | 2708.3 | 2939.0 | 3316.4 |
| 32.5° | 2867.5 | 2837.7 | 2783.7 | 2729.2 | 2683.0 | 2636.9 | 2620.6 | 2604.3 | 2604.3 | 2816.9 | 3226.4 |
| 35° | 2652.1 | 2629.6 | 2585.2 | 2541.3 | 2510.9 | 2480.5 | 2494.0 | 2507.5 | 2542.4 | 2706.7 | 3124.0 |
| 37.5° | 2464.8 | 2432.7 | 2395.6 | 2357.9 | 2344.4 | 2329.8 | 2366.9 | 2402.9 | 2469.3 | 2598.7 | 3010.4 |
| 40° | 2291.6 | 2251.1 | 2215.6 | 2179.6 | 2181.3 | 2182.4 | 2236.4 | 2290.4 | 2373.7 | 2476.0 | 2874.8 |
| 42.5° | 2128.4 | 2085.7 | 2050.2 | 2014.8 | 2022.1 | 2029.4 | 2098.1 | 2166.7 | 2269.6 | 2341.0 | 2713.4 |
| 45° | 1986.1 | 1939.4 | 1907.9 | 1877.6 | 1888.8 | 1900.1 | 1969.8 | 2040.7 | 2143.1 | 2207.7 | 2549.2 |
| 47.5° | 1879.8 | 1828.1 | 1795.4 | 1763.4 | 1770.7 | 1777.4 | 1838.2 | 1898.4 | 1994.0 | 2068.8 | 2386.0 |
| 50° | 1784.2 | 1743.7 | 1708.8 | 1673.4 | 1664.9 | 1656.5 | 1706.6 | 1756.1 | 1850.6 | 1952.9 | 2240.9 |
| 52.5° | 1724.0 | 1681.8 | 1649.2 | 1617.1 | 1591.3 | 1564.8 | 1602.5 | 1639.6 | 1740.9 | 1871.9 | 2110.4 |
| 55° | 1676.2 | 1636.8 | 1598.0 | 1559.2 | 1522.1 | 1485.0 | 1526.6 | 1568.2 | 1687.4 | 1817.9 | 2001.3 |
| 57.5° | 1608.7 | 1569.3 | 1527.1 | 1485.0 | 1447.8 | 1410.7 | 1468.6 | 1527.1 | 1673.4 | 1783.1 | 1909.1 |
| 60° | 1523.2 | 1482.1 | 1439.4 | 1396.1 | 1371.9 | 1347.1 | 1420.3 | 1493.4 | 1639.6 | 1725.7 | 1814.0 |
| 62.5° | 1397.8 | 1364.0 | 1315.6 | 1266.7 | 1264.5 | 1261.1 | 1356.7 | 1452.3 | 1591.8 | 1628.4 | 1677.3 |
| 65° | *1266.7* | *1240.3* | *1193.6* | *1147.5* | *1158.7* | *1170.0* | *1272.3* | *1375.3* | *1490.6* | *1500.7* | *1510.8* |
| 67.5° | 1136.8 | 1114.8 | 1072.1 | 1029.3 | 1052.4 | 1075.5 | 1166.6 | 1257.1 | 1335.9 | 1320.7 | 1290.9 |
| 70° | 1021.5 | 1002.3 | 967.5 | 932.6 | 947.2 | 961.8 | 1015.8 | 1069.8 | 1108.1 | 1112.6 | 1068.2 |
| 72.5° | 900.5 | 884.2 | 857.8 | 831.3 | 841.5 | 852.2 | 864.0 | 876.3 | 852.2 | 897.2 | 863.4 |
| 75° | 754.9 | 742.5 | 722.2 | 702.0 | 709.3 | 717.2 | 723.4 | 730.1 | 714.4 | 696.4 | 655.9 |
| 77.5° | 595.7 | 583.9 | 565.3 | 546.7 | 555.7 | 563.6 | 578.8 | 593.4 | 590.6 | 538.9 | 495.0 |
| 80° | 432.0 | 427.5 | 414.0 | 400.5 | 407.2 | 413.4 | 432.0 | 450.0 | 452.8 | 379.7 | 334.1 |
| 82.5° | 253.1 | 258.7 | 261.6 | 264.4 | 268.9 | 272.8 | 272.8 | 272.8 | 261.6 | 220.5 | 198.0 |
| 85° | 106.3 | 108.0 | 117.0 | 124.9 | 131.6 | 137.8 | 137.2 | 136.1 | 129.4 | 106.9 | 92.2 |
| 87.5° | 55.7 | 57.4 | 55.1 | 51.7 | 49.5 | 46.1 | 42.7 | 39.4 | 33.7 | 30.9 | 28.1 |
| 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: P1365123
CATALOG NUMBER: GSS-SB6A-835-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 | 3667.4 |
| 2.5° | 3760.2 | 3793.4 | 3826.0 | 3858.6 | 3891.2 | 3926.7 | 3962.7 |
| 5° | 3844.6 | 3909.2 | 3973.9 | 4039.7 | 4106.1 | 4169.1 | 4232.7 |
| 7.5° | 3910.4 | 4000.4 | 4090.4 | 4191.1 | 4291.7 | 4398.6 | 4505.5 |
| 10° | 3948.6 | 4060.0 | 4170.8 | 4296.2 | 4421.1 | 4549.4 | 4677.0 |
| 12.5° | 3981.2 | 4105.6 | 4229.9 | 4369.9 | 4510.0 | 4637.1 | 4764.2 |
| 15° | 3996.4 | 4130.9 | 4264.7 | 4407.0 | 4549.4 | 4677.6 | 4806.4 |
| 17.5° | 3968.3 | 4120.7 | 4273.7 | 4425.6 | 4577.5 | 4697.3 | 4817.7 |
| 20° | 3926.1 | 4105.6 | 4285.0 | 4448.1 | 4611.2 | 4732.7 | 4854.2 |
| 22.5° | 3874.4 | 4093.7 | 4313.1 | 4492.0 | 4671.4 | 4782.2 | 4893.6 |
| 25° | 3813.6 | 4092.6 | 4371.6 | 4567.4 | 4763.1 | 4859.3 | 4955.5 |
| 27.5° | 3748.9 | 4103.3 | 4457.7 | 4677.6 | 4898.1 | 4971.8 | 5045.5 |
| 30° | 3694.4 | 4126.4 | 4558.9 | 4808.1 | 5056.7 | 5114.1 | 5172.0 |
| 32.5° | 3636.4 | 4152.2 | 4668.6 | 4961.7 | 5254.7 | 5290.7 | 5326.7 |
| 35° | 3540.8 | 4146.1 | 4751.8 | 5124.8 | 5498.3 | 5543.3 | 5588.3 |
| 37.5° | 3422.7 | 4128.6 | 4834.5 | 5323.9 | 5813.2 | 5866.7 | 5920.1 |
| 40° | 3273.6 | 4089.2 | 4904.8 | 5551.7 | 6198.5 | 6304.3 | 6409.5 |
| 42.5° | 3085.2 | 4021.2 | 4956.6 | 5803.7 | 6649.7 | 6873.0 | 7095.7 |
| 45° | 2891.2 | 3974.5 | 5057.8 | 6145.7 | 7233.5 | 7590.7 | 7947.9 |
| 47.5° | 2704.4 | 3919.9 | 5135.5 | 6497.2 | 7859.0 | 8311.2 | 8763.5 |
| 50° | 2528.4 | 3827.1 | 5125.3 | 6803.8 | 8482.2 | 9095.3 | 9708.4 |
| 52.5° | 2350.0 | 3637.0 | 4924.5 | 6948.9 | 8972.7 | 9946.9 | 10920.6 |
| 55° | 2183.6 | 3385.0 | 4585.4 | 6910.6 | 9235.9 | 10802.5 | 12369.0 |
| 57.5° | 2035.1 | 3121.2 | 4207.4 | 6702.0 | 9196.6 | 11520.7 | 13845.5 |
| 60° | 1902.3 | 2787.7 | 3673.0 | 6201.9 | 8730.8 | 11842.5 | 14953.6 |
| 62.5° | 1726.8 | 2364.7 | 3002.5 | 5382.4 | 7762.2 | 11128.7 | 14495.2 |
| 65° | *1521.5* | *1858.4* | *2194.8* | *4222.0* | *6249.2* | *9598.7* | *12948.3* |
| 67.5° | 1261.1 | 1420.8 | 1580.6 | 3285.5 | 4990.3 | 8243.7 | 11497.1 |
| 70° | 1023.7 | 1080.0 | 1136.2 | 2517.7 | 3899.1 | 7003.5 | 10107.8 |
| 72.5° | 829.7 | 830.2 | 831.3 | 1892.8 | 2954.2 | 5815.5 | 8676.3 |
| 75° | 615.9 | 619.3 | 623.2 | 1402.8 | 2182.4 | 4643.3 | 7104.1 |
| 77.5° | 451.1 | 448.9 | 445.5 | 906.7 | 1368.0 | 3046.4 | 4724.8 |
| 80° | 288.0 | 285.7 | 282.4 | 501.2 | 720.0 | 1746.5 | 2773.0 |
| 82.5° | 175.5 | 174.9 | 174.4 | 269.4 | 364.5 | 875.2 | 1386.5 |
| 85° | 77.6 | 73.7 | 70.3 | 85.5 | 101.2 | 208.1 | 315.0 |
| 87.5° | 25.3 | 23.6 | 22.5 | 23.1 | 23.6 | 24.7 | 25.3 |
| 90° | 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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

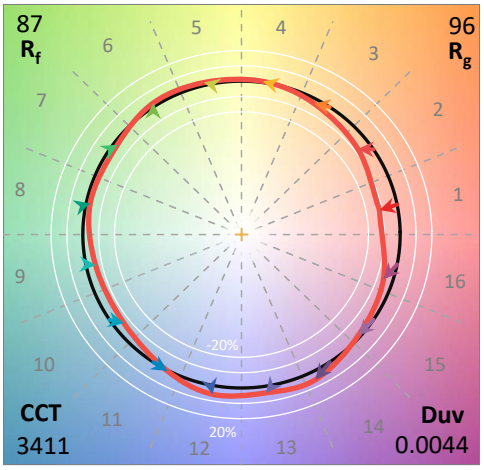
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-10 |
| 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-835-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 3411 |
| CIE u': | 0.2360 |
| CIE v': | 0.5189 |
| Duv: | 0.0044 |
| CIE x: | 0.4154 |
| CIE y: | 0.4059 |
| CIE z: | 0.1787 |
| Peak Wavelength (nm): | 601 |
| Dominant Wavelength (nm): | 579 |
| Purity: | 46.51914 |
| Rf: | 86.6 |
| Rg: | 95.9 |

| | |
|---|---|
| CRI (Ra): | 83.5 |
| R1: | 81.1 |
| R2: | 88.9 |
| R3: | 97.2 |
| R4: | 83.8 |
| R5: | 81.7 |
| R6: | 86.9 |
| R7: | 86.1 |
| R8: | 62.2 |
| R9: | 6.3 |
| R10: | 75.4 |
| R11: | 84.1 |
| R12: | 69.7 |
| R13: | 82.8 |
| R14: | 98.5 |
| R15: | 72.6 |




## Test Conditions

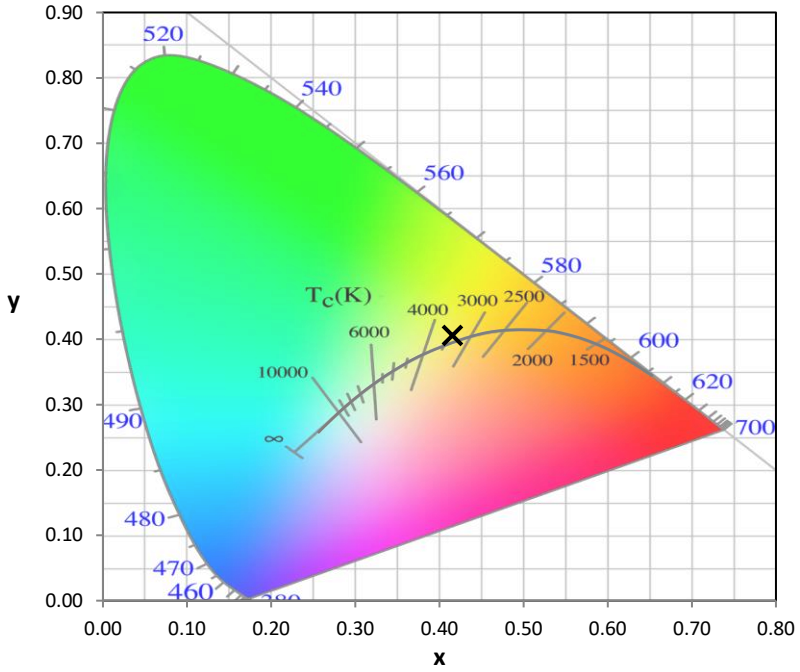
| | |
|---|---|
| Stabilization Time: | 35M |
| Operation Time: | 1H 35M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-10

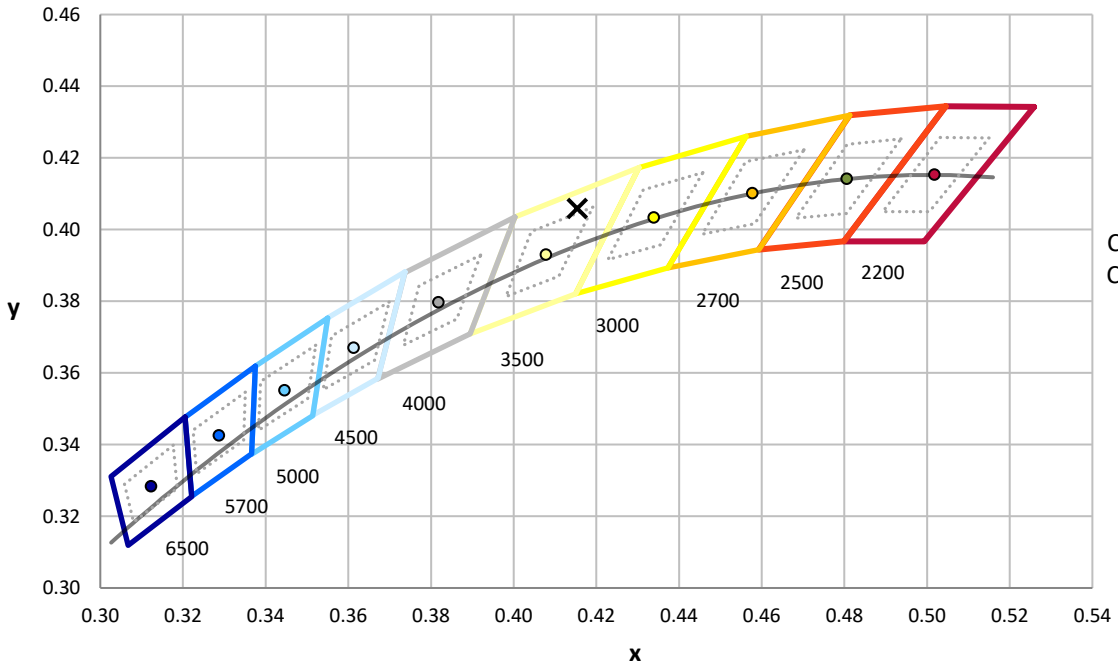
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

## CIE 1931 Chromaticity Diagram




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

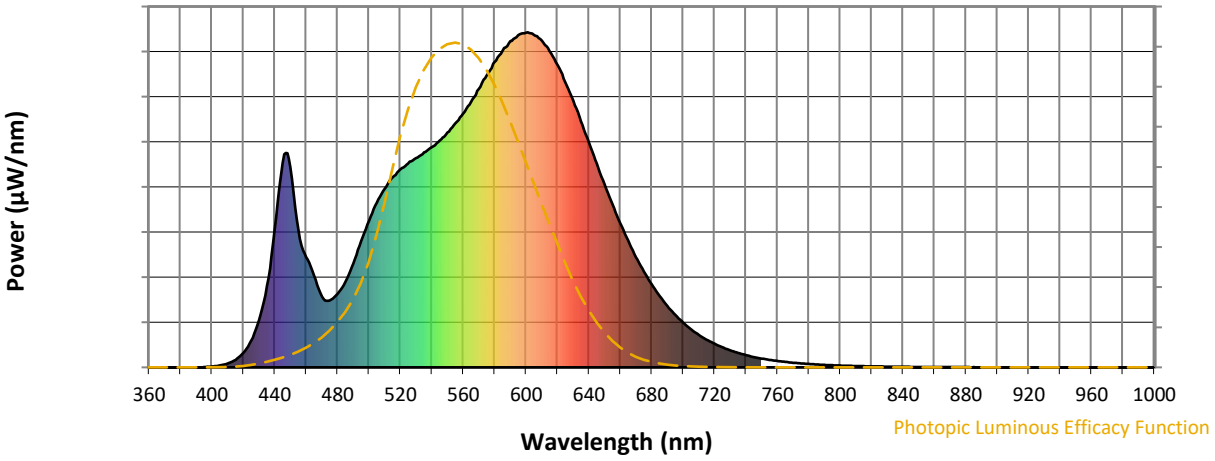



CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

## Photopic Flux vs. Wavelength

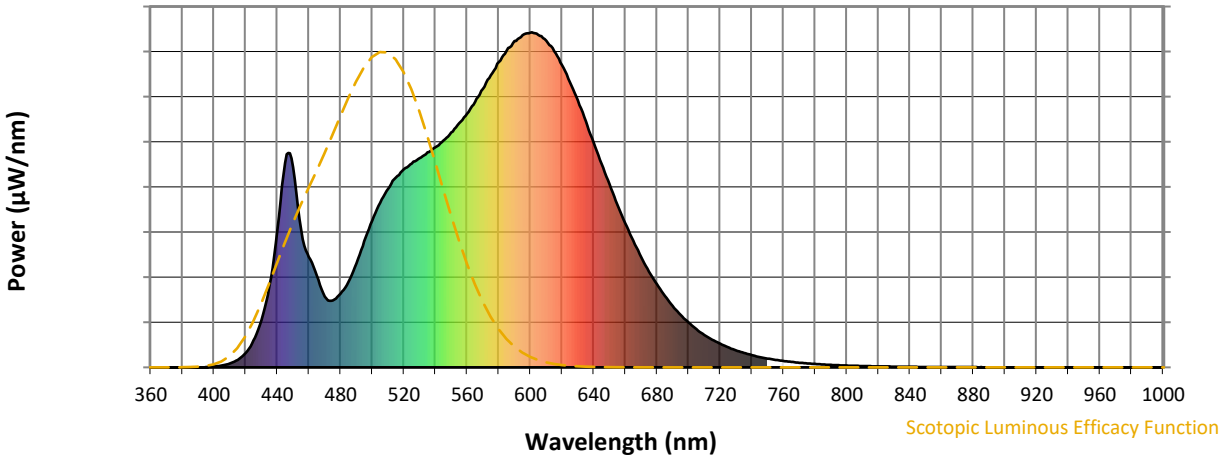



## Photopic Lumens: NR

| 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 | 311 | NR | 620 | 903 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 376 | NR | 625 | 851 | NR | 755 | 22 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 438 | NR | 630 | 797 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 491 | NR | 635 | 735 | NR | 765 | 16 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 533 | NR | 640 | 672 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 566 | NR | 645 | 607 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 592 | NR | 650 | 546 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 608 | NR | 655 | 487 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 625 | NR | 660 | 429 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 642 | NR | 665 | 378 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 657 | NR | 670 | 329 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 677 | NR | 675 | 286 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 43 | NR | 550 | 701 | NR | 680 | 248 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 80 | NR | 555 | 728 | NR | 685 | 213 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 140 | NR | 560 | 757 | NR | 690 | 184 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 243 | NR | 565 | 793 | NR | 695 | 156 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 412 | NR | 570 | 831 | NR | 700 | 134 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 610 | NR | 575 | 872 | NR | 705 | 114 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 597 | NR | 580 | 911 | NR | 710 | 97 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 412 | NR | 585 | 944 | NR | 715 | 83 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 330 | NR | 590 | 974 | NR | 720 | 70 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 274 | NR | 595 | 992 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 211 | NR | 600 | 999 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 200 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 220 | NR | 610 | 975 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 255 | NR | 615 | 944 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-10

## Scotopic Flux vs. Wavelength

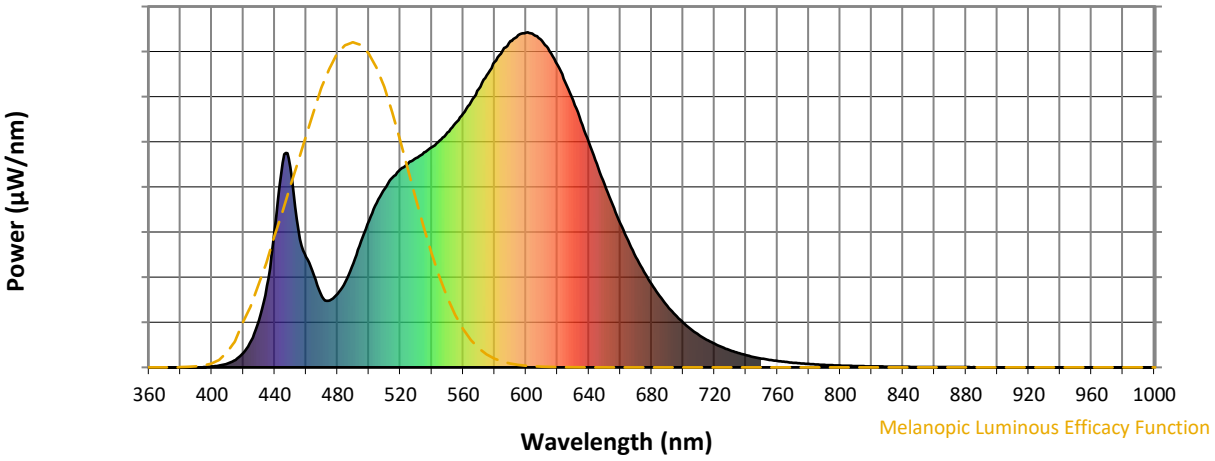



**Scotopic Lumens: NR** **S/P: 1.48**

| 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 | 311 | NR | 620 | 903 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 376 | NR | 625 | 851 | NR | 755 | 22 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 438 | NR | 630 | 797 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 491 | NR | 635 | 735 | NR | 765 | 16 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 533 | NR | 640 | 672 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 566 | NR | 645 | 607 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 592 | NR | 650 | 546 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 608 | NR | 655 | 487 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 625 | NR | 660 | 429 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 642 | NR | 665 | 378 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 657 | NR | 670 | 329 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 677 | NR | 675 | 286 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 43 | NR | 550 | 701 | NR | 680 | 248 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 80 | NR | 555 | 728 | NR | 685 | 213 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 140 | NR | 560 | 757 | NR | 690 | 184 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 243 | NR | 565 | 793 | NR | 695 | 156 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 412 | NR | 570 | 831 | NR | 700 | 134 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 610 | NR | 575 | 872 | NR | 705 | 114 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 597 | NR | 580 | 911 | NR | 710 | 97 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 412 | NR | 585 | 944 | NR | 715 | 83 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 330 | NR | 590 | 974 | NR | 720 | 70 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 274 | NR | 595 | 992 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 211 | NR | 600 | 999 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 200 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 220 | NR | 610 | 975 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 255 | NR | 615 | 944 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-10

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.88**

| 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 | 311 | NR | 620 | 903 | NR | 750 | 26 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 376 | NR | 625 | 851 | NR | 755 | 22 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 438 | NR | 630 | 797 | NR | 760 | 19 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 491 | NR | 635 | 735 | NR | 765 | 16 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 533 | NR | 640 | 672 | NR | 770 | 14 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 566 | NR | 645 | 607 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 0 | NR | 520 | 592 | NR | 650 | 546 | NR | 780 | 10 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 608 | NR | 655 | 487 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 3 | NR | 530 | 625 | NR | 660 | 429 | NR | 790 | 7 | NR | 920 | 0 | NR |
| 405 | 6 | NR | 535 | 642 | NR | 665 | 378 | NR | 795 | 6 | NR | 925 | 0 | NR |
| 410 | 12 | NR | 540 | 657 | NR | 670 | 329 | NR | 800 | 5 | NR | 930 | 0 | NR |
| 415 | 22 | NR | 545 | 677 | NR | 675 | 286 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 43 | NR | 550 | 701 | NR | 680 | 248 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 80 | NR | 555 | 728 | NR | 685 | 213 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 140 | NR | 560 | 757 | NR | 690 | 184 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 243 | NR | 565 | 793 | NR | 695 | 156 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 412 | NR | 570 | 831 | NR | 700 | 134 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 610 | NR | 575 | 872 | NR | 705 | 114 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 597 | NR | 580 | 911 | NR | 710 | 97 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 412 | NR | 585 | 944 | NR | 715 | 83 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 330 | NR | 590 | 974 | NR | 720 | 70 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 274 | NR | 595 | 992 | NR | 725 | 60 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 211 | NR | 600 | 999 | NR | 730 | 51 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 200 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 220 | NR | 610 | 975 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 255 | NR | 615 | 944 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

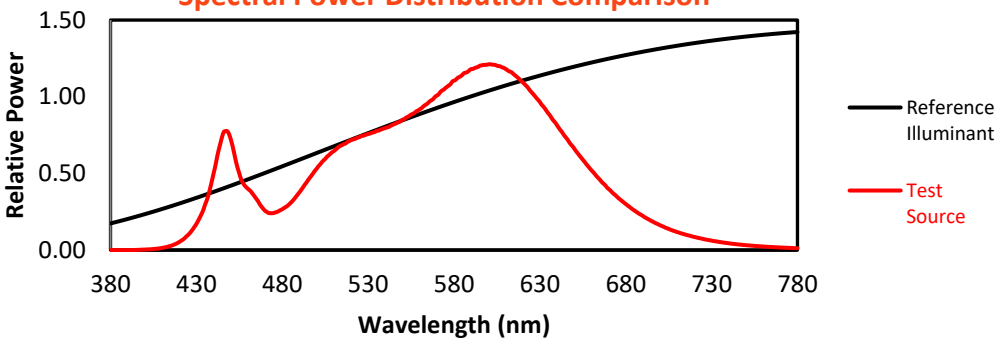
REPORT NUMBER: SP1-2407-184-10

# TM-30-18

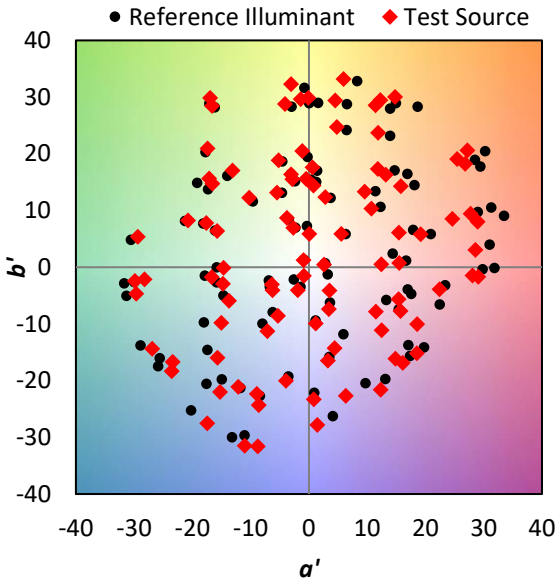
## Summary

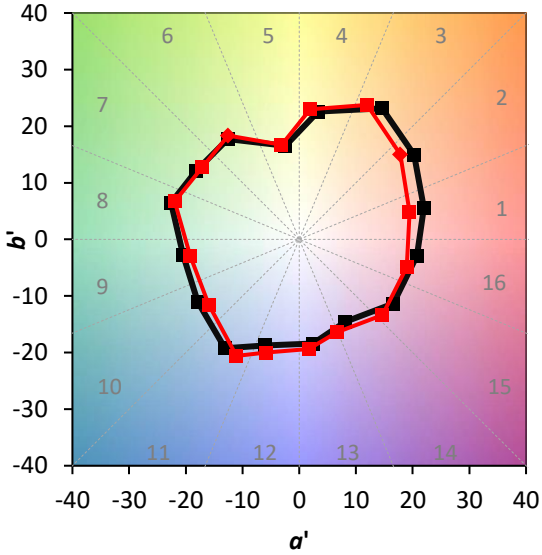
$R_f$ = 86.6
$R_g$ = 95.9
CIE $R_a$ = 83.5
$R_9$ = 6.3

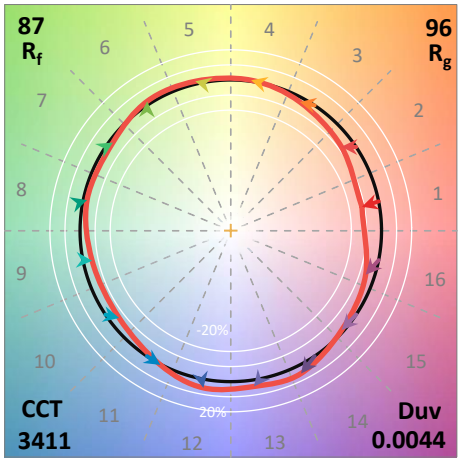
## Spectral Power Distribution Comparison

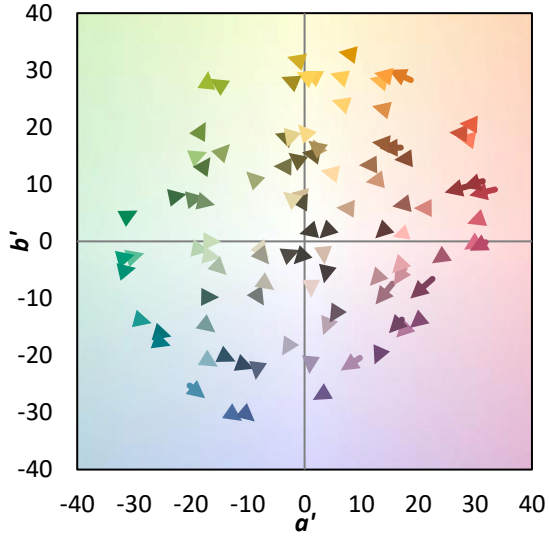



## Color Vector Graphics



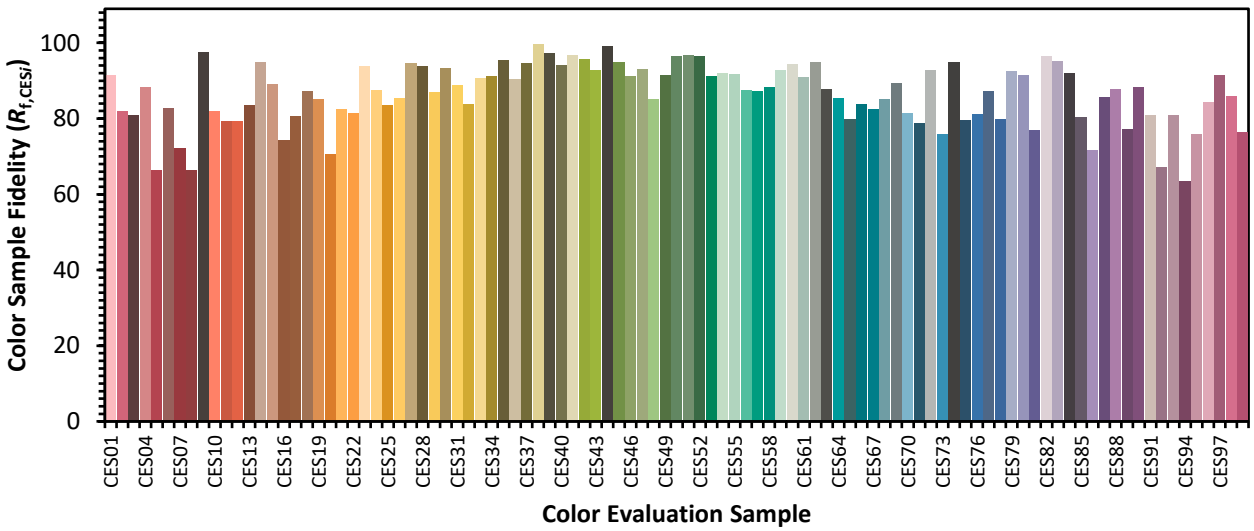



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**Individual Sample Fidelity Index ($R_{f,i}$)**

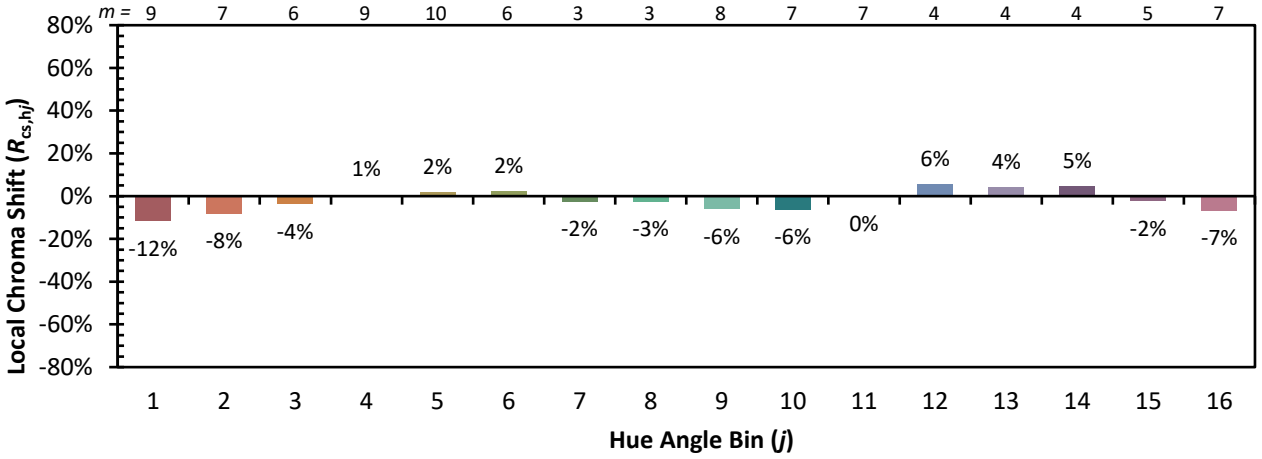
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 85 | CES51 = 97 | CES76 = 81 |
| CES02 = 62 | CES27 = 95 | CES52 = 96 | CES77 = 87 |
| CES03 = 31 | CES28 = 94 | CES53 = 91 | CES78 = 80 |
| CES04 = 70 | CES29 = 87 | CES54 = 92 | CES79 = 93 |
| CES05 = 49 | CES30 = 93 | CES55 = 92 | CES80 = 91 |
| CES06 = 51 | CES31 = 89 | CES56 = 88 | CES81 = 77 |
| CES07 = 41 | CES32 = 84 | CES57 = 87 | CES82 = 96 |
| CES08 = 40 | CES33 = 91 | CES58 = 88 | CES83 = 95 |
| CES09 = 29 | CES34 = 91 | CES59 = 93 | CES84 = 92 |
| CES10 = 75 | CES35 = 95 | CES60 = 94 | CES85 = 80 |
| CES11 = 58 | CES36 = 90 | CES61 = 91 | CES86 = 72 |
| CES12 = 64 | CES37 = 95 | CES62 = 95 | CES87 = 86 |
| CES13 = 43 | CES38 = 100 | CES63 = 88 | CES88 = 88 |
| CES14 = 74 | CES39 = 97 | CES64 = 85 | CES89 = 77 |
| CES15 = 71 | CES40 = 94 | CES65 = 80 | CES90 = 88 |
| CES16 = 47 | CES41 = 97 | CES66 = 84 | CES91 = 81 |
| CES17 = 49 | CES42 = 96 | CES67 = 82 | CES92 = 67 |
| CES18 = 56 | CES43 = 93 | CES68 = 85 | CES93 = 81 |
| CES19 = 72 | CES44 = 99 | CES69 = 89 | CES94 = 63 |
| CES20 = 66 | CES45 = 95 | CES70 = 81 | CES95 = 76 |
| CES21 = 86 | CES46 = 91 | CES71 = 79 | CES96 = 84 |
| CES22 = 78 | CES47 = 93 | CES72 = 93 | CES97 = 92 |
| CES23 = 91 | CES48 = 85 | CES73 = 76 | CES98 = 86 |
| CES24 = 90 | CES49 = 92 | CES74 = 95 | CES99 = 77 |
| CES25 = 72 | CES50 = 96 | CES75 = 80 | |

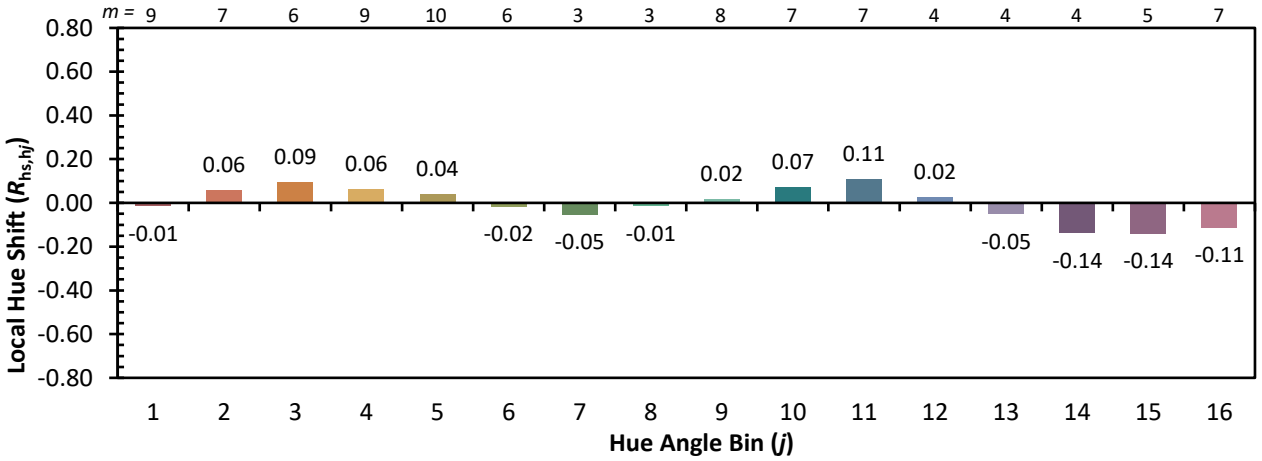


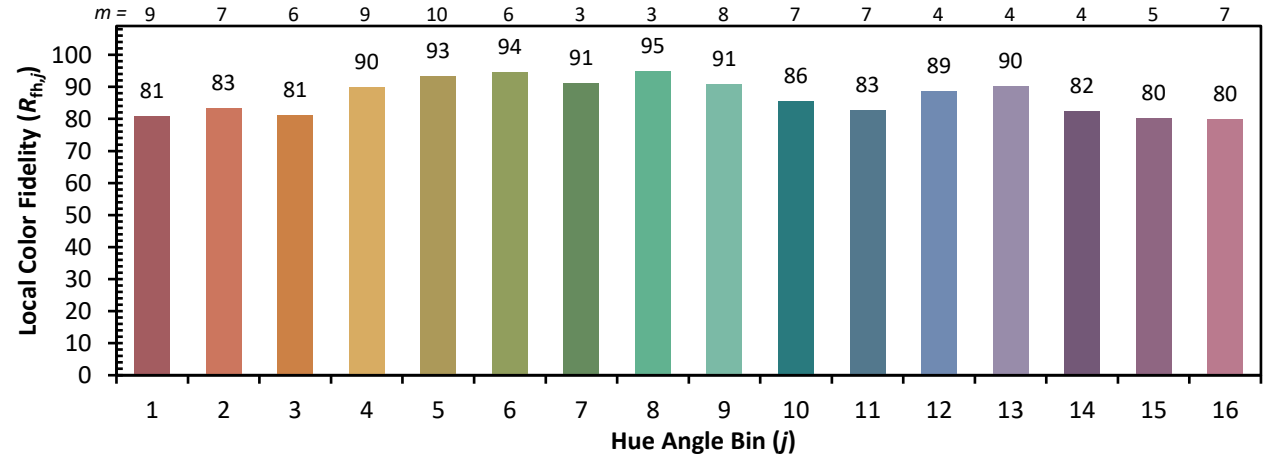
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## Color Rendition by Hue-Angle Bin



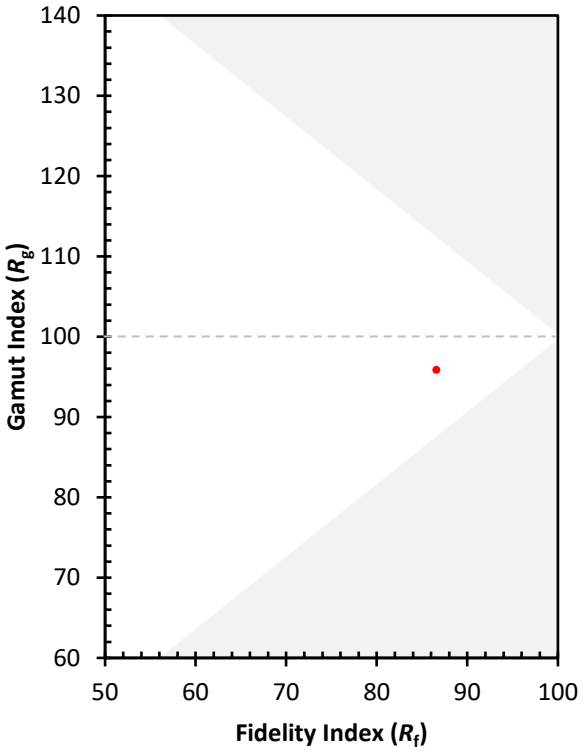



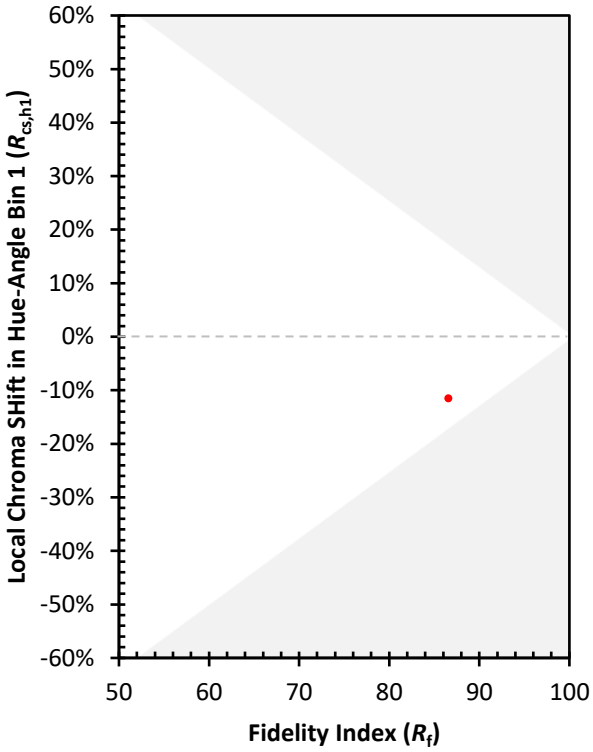



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## Measure Comparisons




(END OF REPORT)