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: P1365124

Luminaire Tested: **GSS-SB6B-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: | P1365124 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB6B-835-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 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: | 28976.5 lumens |
| Efficiency: | N/A |
| Efficacy: | 132.3 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G4 |

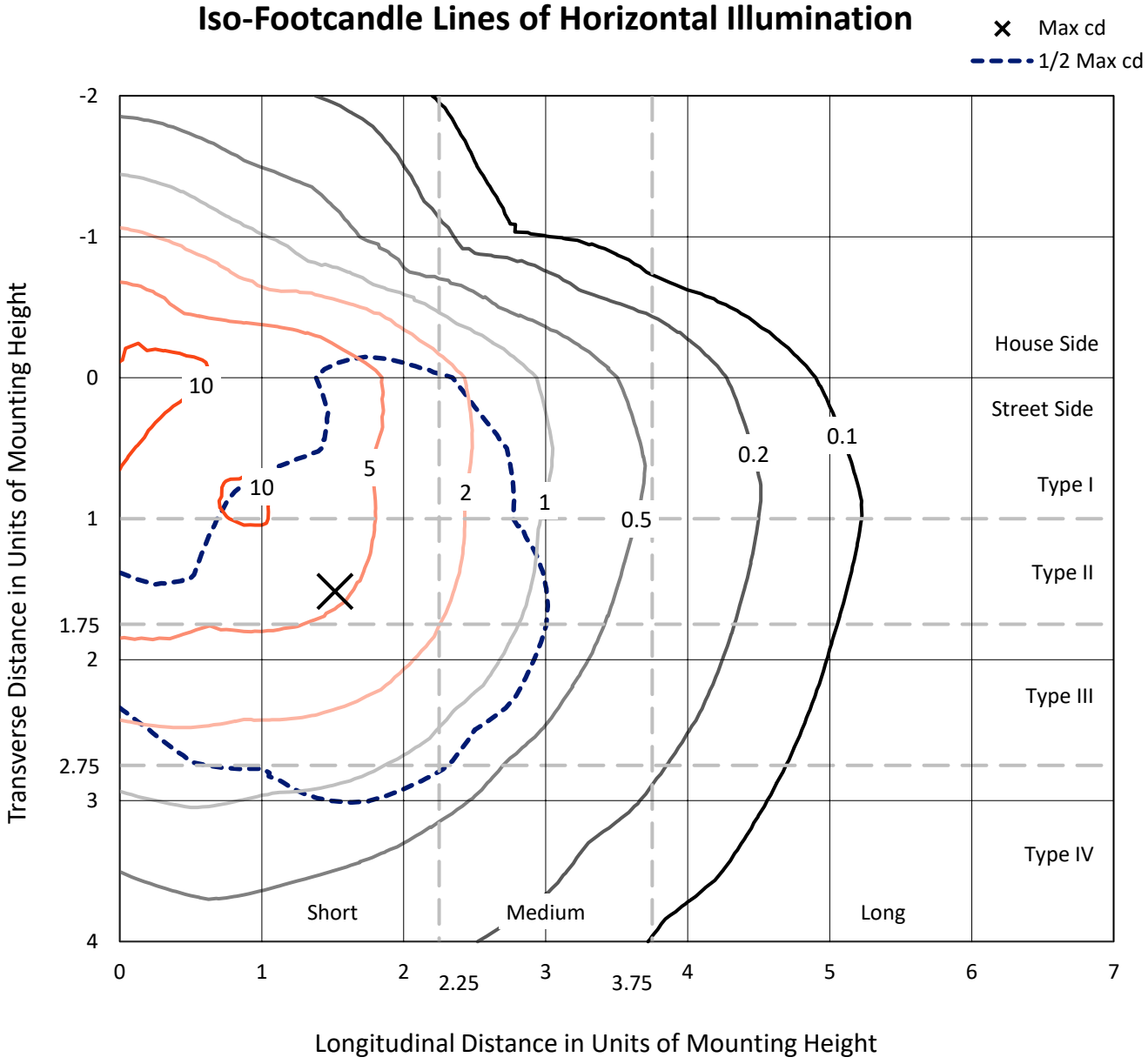
| | |
|---|---|
| Input Watts (W): | 219 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 8.7% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



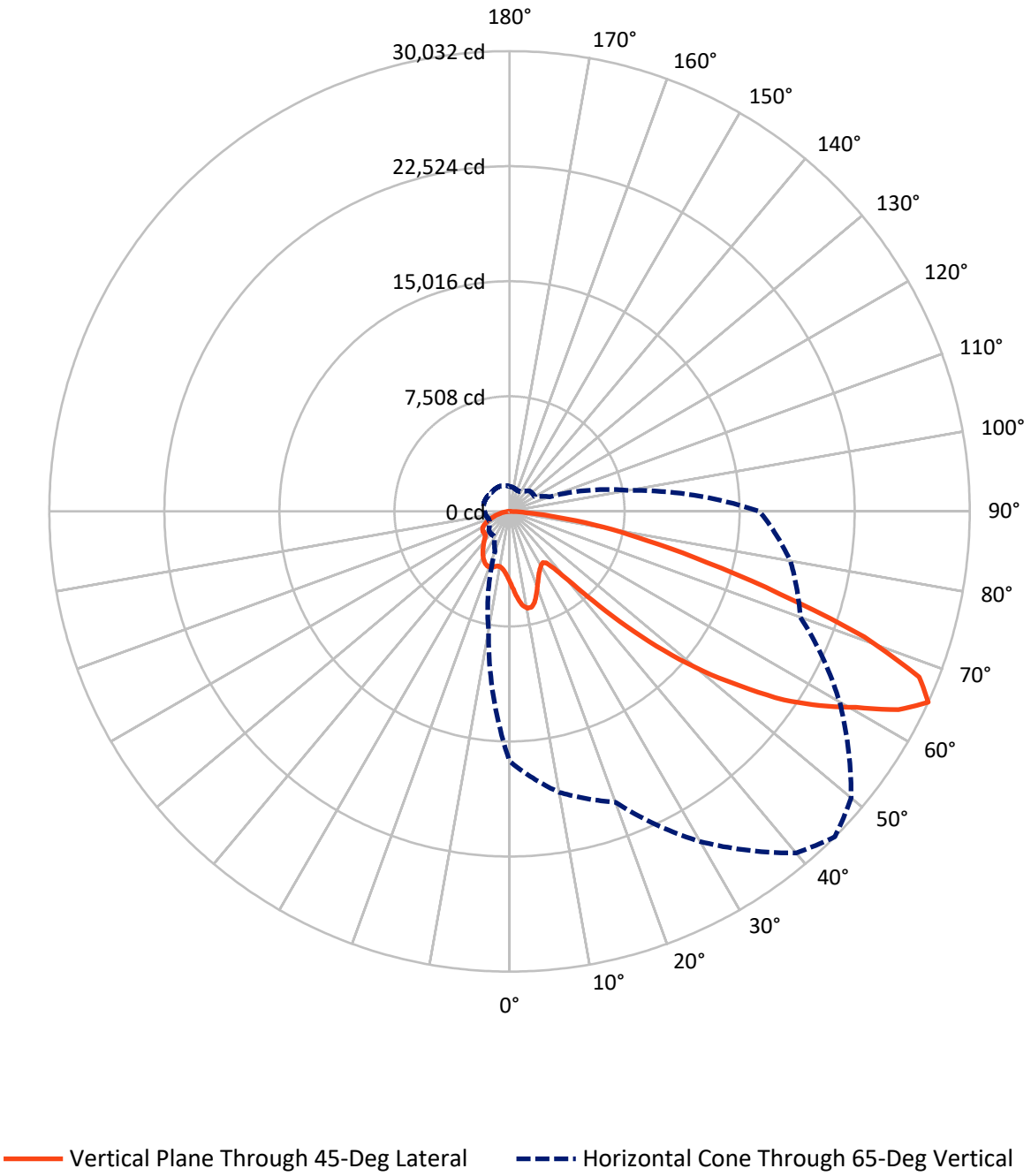

Based on 20 foot mounting height. Maximum calculated value = 15.3 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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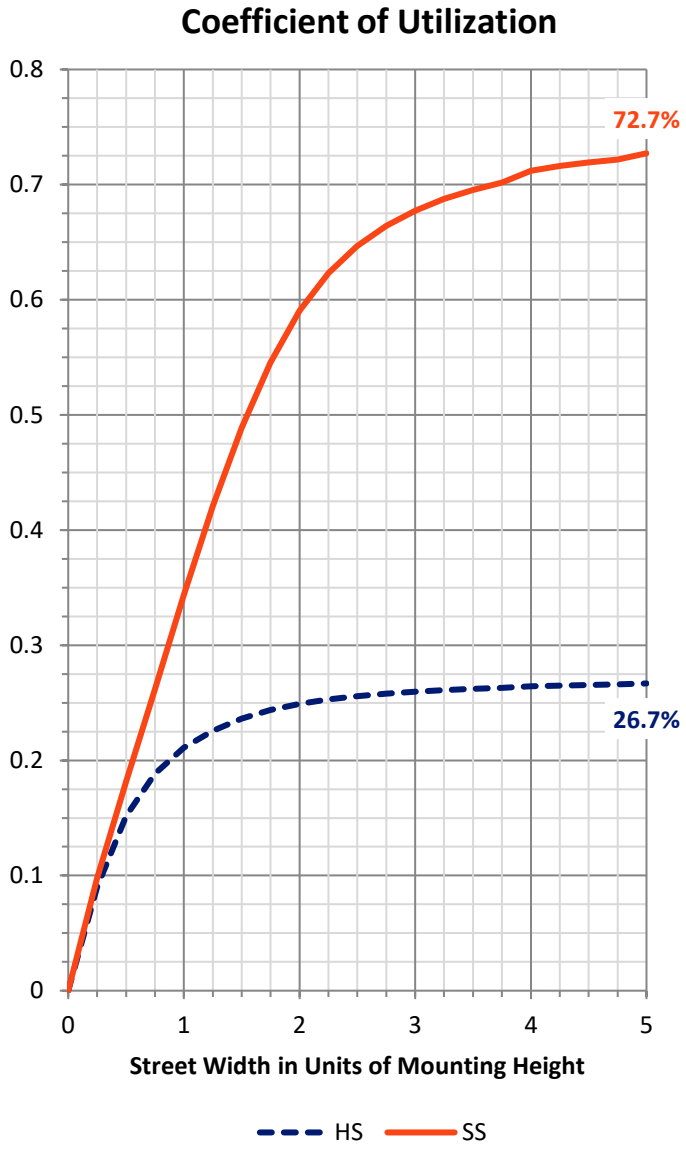
REPORT NUMBER: P1365124
CATALOG NUMBER: GSS-SB6B-835-U-SLL

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 7795.3 | 0.0 | 7795.3 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 21181.2 | 0.0 | 21181.2 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 28976.5 | 0.0 | 28976.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 456.2 | 1.6 |
| 10°-20° | 1398.1 | 4.8 |
| 20°-30° | 2163.8 | 7.5 |
| 30°-40° | 2684.6 | 9.3 |
| 40°-50° | 3925.7 | 13.5 |
| 50°-60° | 6149.1 | 21.2 |
| 60°-70° | 7296.2 | 25.2 |
| 70°-80° | 4255.5 | 14.7 |
| 80°-90° | 647.4 | 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° | 28976.5 | 100.0 |
| 0°-180° | 28976.5 | 100.0 |



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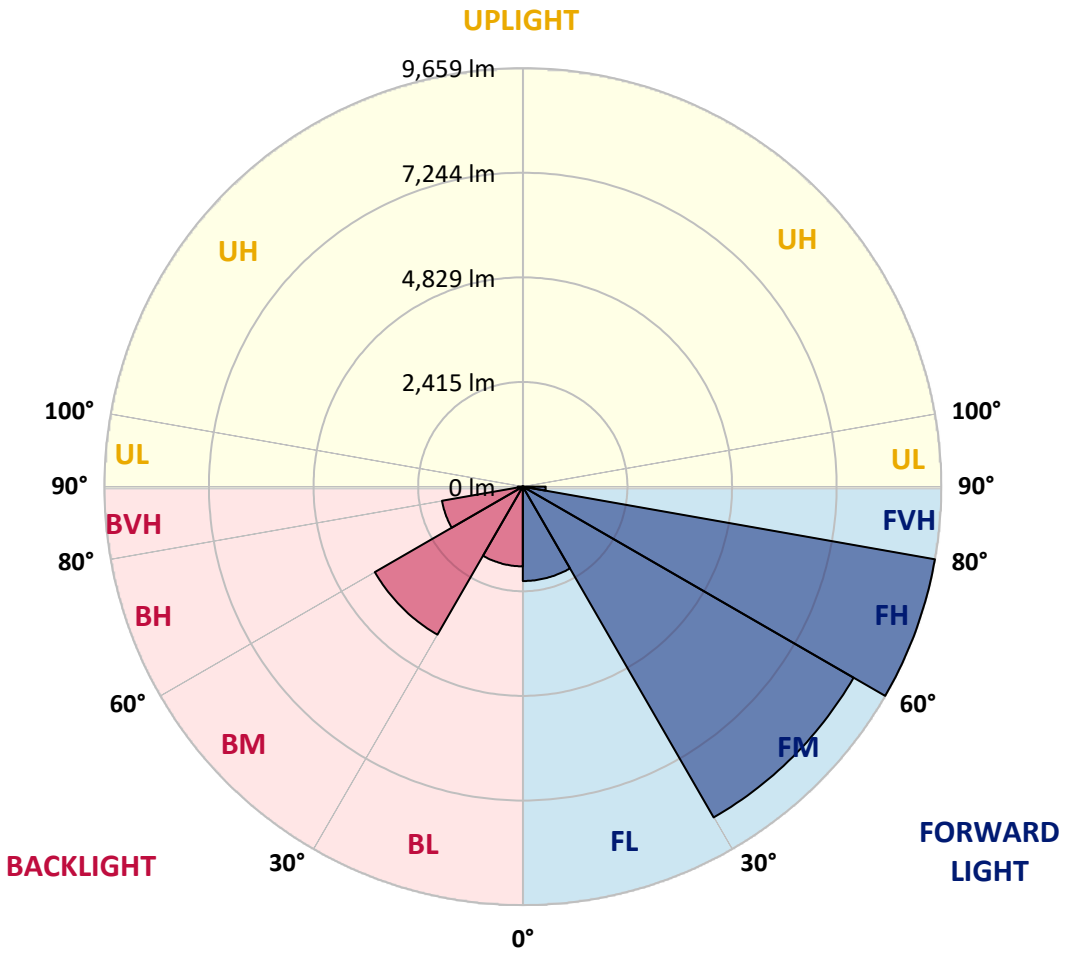
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 2177.8 | 7.5 | | | |
| FM | (30°-60°) | 8815.3 | 30.4 | | | |
| FH | (60°-80°) | 9658.6 | 33.3 | | | G4/12000 |
| FVH | (80°-90°) | 529.5 | 1.8 | | | G4/750 |
| BL | (0°-30°) | 1840.2 | 6.4 | B3/2500 | | |
| BM | (30°-60°) | 3944.0 | 13.6 | B3/5000 | | |
| BH | (60°-80°) | 1893.2 | 6.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 117.9 | 0.4 | | | G2/225 |
| 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° | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | *4620.4* | 4620.4 |
| 2.5° | 4992.4 | 5010.1 | 5027.8 | 5047.0 | 5066.8 | 5078.1 | 5089.5 | 5101.5 | 5112.9 | *5123.5* | 5112.9 |
| 5° | 5332.5 | 5412.6 | 5492.0 | 5545.8 | 5599.7 | 5640.8 | 5681.9 | 5705.3 | 5729.4 | *5732.9* | 5729.4 |
| 7.5° | 5676.2 | 5771.2 | 5866.2 | 5948.4 | 6030.6 | 6083.0 | 6135.4 | 6165.9 | 6197.1 | *6207.7* | 6197.1 |
| 10° | 5892.4 | 6003.6 | 6115.6 | 6195.0 | 6275.0 | 6323.9 | 6372.1 | 6396.2 | 6420.3 | *6427.4* | 6420.3 |
| 12.5° | 6002.2 | 6109.2 | 6216.2 | 6277.9 | 6338.8 | 6370.0 | 6400.5 | 6411.8 | 6421.7 | *6413.2* | 6421.7 |
| 15° | 6055.4 | 6118.4 | 6180.8 | 6207.0 | 6232.5 | 6217.6 | 6202.1 | 6180.1 | 6158.1 | *6143.9* | 6158.1 |
| 17.5° | 6069.5 | 6091.5 | 6114.2 | 6066.7 | 6019.9 | 5934.9 | 5849.9 | 5786.1 | 5722.3 | *5676.2* | 5722.3 |
| 20° | 6115.6 | 6080.2 | 6044.7 | 5918.6 | 5793.2 | 5633.7 | 5474.3 | 5367.3 | 5259.6 | *5194.4* | 5259.6 |
| 22.5° | 6165.2 | 6065.3 | 5965.4 | 5753.5 | 5541.6 | 5323.3 | 5105.8 | 4982.5 | 4859.9 | *4790.4* | 4859.9 |
| 25° | 6243.2 | 6071.7 | 5899.5 | 5613.2 | 5327.6 | 5071.1 | 4815.2 | 4681.3 | 4548.1 | *4471.5* | 4548.1 |
| 27.5° | 6356.5 | 6094.3 | 5832.1 | 5477.8 | 5123.5 | 4845.7 | 4567.2 | 4439.7 | 4312.1 | *4244.8* | 4312.1 |
| 30° | 6516.0 | 6168.0 | 5819.4 | 5395.6 | 4971.1 | 4680.6 | 4390.0 | 4265.3 | 4139.9 | *4067.6* | 4139.9 |
| 32.5° | 6710.9 | 6271.5 | 5832.1 | 5357.3 | 4882.6 | 4586.3 | 4290.8 | 4171.1 | 4052.0 | *3989.7* | 4052.0 |
| 35° | 7040.4 | 6484.1 | 5927.8 | 5401.3 | 4875.5 | 4600.5 | 4326.3 | 4238.4 | 4151.2 | *4117.2* | 4151.2 |
| 37.5° | 7458.5 | 6808.7 | 6158.1 | 5616.0 | 5073.9 | 4886.8 | 4699.7 | 4699.7 | 4699.7 | *4726.7* | 4699.7 |
| 40° | 8075.0 | 7345.1 | 6615.2 | 6102.1 | 5589.8 | 5578.4 | 5568.5 | 5687.6 | 5807.3 | *5860.5* | 5807.3 |
| 42.5° | 8939.5 | 8167.8 | 7396.8 | 6983.0 | 6569.1 | 6817.2 | 7065.2 | 7409.6 | 7754.0 | *7979.3* | 7754.0 |
| 45° | 10013.1 | 9262.0 | 8510.8 | 8221.7 | 7933.3 | 8485.3 | 9036.6 | 9645.4 | 10254.1 | *10686.4* | 10254.1 |
| 47.5° | 11040.7 | 10408.6 | 9775.7 | 9610.6 | 9446.2 | 10363.9 | 11281.6 | 12173.8 | 13066.0 | *13591.8* | 13066.0 |
| 50° | 12231.2 | 11662.9 | 11093.8 | 11061.9 | 11030.0 | 12252.5 | 13474.9 | 14626.4 | 15778.0 | *16419.3* | 15778.0 |
| 52.5° | 13758.3 | 13134.0 | 12509.0 | 12534.5 | 12558.6 | 14010.6 | 15462.6 | 16855.1 | 18247.6 | *18970.4* | 18247.6 |
| 55° | 15583.1 | 14800.0 | 14017.0 | 14012.7 | 14008.5 | 15676.6 | 17346.2 | 19056.9 | 20768.9 | *21734.1* | 20768.9 |
| 57.5° | 17443.3 | 16709.8 | 15976.4 | 15802.1 | 15627.0 | 17371.7 | 19115.7 | 21004.9 | 22894.9 | *23909.6* | 22894.9 |
| 60° | 18839.3 | 18435.4 | 18031.4 | 17752.2 | 17473.7 | 19265.2 | 21057.4 | 23009.0 | 24959.9 | *25971.8* | 24959.9 |
| 62.5° | 18261.8 | 18983.9 | 19706.0 | 19685.4 | 19664.9 | 21598.8 | 23532.6 | 25562.2 | 27593.2 | *28501.7* | 27593.2 |
| 65° | *16313.0* | *17464.5* | *18616.1* | *19408.3* | *20199.9* | *22537.7* | *24874.8* | *26989.4* | *29104.0* | *30032.3* | *29104.0* |
| 67.5° | 14484.7 | 15499.5 | 16514.9 | 17163.4 | 17811.8 | 20445.8 | 23080.5 | 25480.0 | 27879.5 | *28834.7* | 27879.5 |
| 70° | 12734.3 | 13858.2 | 14982.2 | 15445.6 | 15909.1 | 18147.0 | 20384.1 | 22282.6 | 24180.4 | *24554.5* | 24180.4 |
| 72.5° | 10930.8 | 12267.3 | 13604.5 | 13800.8 | 13997.1 | 15625.6 | 17254.1 | 18265.3 | 19276.5 | *18460.2* | 19276.5 |
| 75° | 8950.2 | 10458.2 | 11965.5 | 12096.6 | 12227.7 | 12735.0 | 13243.1 | 13500.4 | 13758.3 | *13294.2* | 13758.3 |
| 77.5° | 5952.6 | 7257.9 | 8564.0 | 8858.0 | 9152.1 | 9490.2 | 9828.9 | 9811.2 | 9793.5 | *9141.5* | 9793.5 |
| 80° | 3493.6 | 4514.8 | 5535.9 | 5574.2 | 5612.5 | 5866.2 | 6119.1 | 6377.8 | 6636.5 | *6221.9* | 6636.5 |
| 82.5° | 1746.8 | 2307.3 | 2868.6 | 2955.0 | 3041.5 | 3196.7 | 3351.9 | 3424.2 | 3497.2 | *3146.4* | 3497.2 |
| 85° | 396.8 | 542.8 | 688.8 | 829.8 | 970.8 | 1133.8 | 1296.8 | 1278.4 | 1260.0 | *1063.0* | 1260.0 |
| 87.5° | 31.9 | 32.6 | 34.0 | 34.7 | 35.4 | 36.1 | 36.8 | 39.0 | 41.1 | *42.5* | 41.1 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 |
| 2.5° | 5101.5 | 5089.5 | 5078.1 | 5066.8 | 5047.0 | 5027.8 | 5010.1 | 4992.4 | 4947.0 | 4902.4 | 4861.3 |
| 5° | 5705.3 | 5681.9 | 5640.8 | 5599.7 | 5545.8 | 5492.0 | 5412.6 | 5332.5 | 5252.5 | 5173.1 | 5089.5 |
| 7.5° | 6165.9 | 6135.4 | 6083.0 | 6030.6 | 5948.4 | 5866.2 | 5771.2 | 5676.2 | 5541.6 | 5407.0 | 5280.1 |
| 10° | 6396.2 | 6372.1 | 6323.9 | 6275.0 | 6195.0 | 6115.6 | 6003.6 | 5892.4 | 5731.5 | 5569.9 | 5412.6 |
| 12.5° | 6411.8 | 6400.5 | 6370.0 | 6338.8 | 6277.9 | 6216.2 | 6109.2 | 6002.2 | 5842.1 | 5681.9 | 5505.5 |
| 15° | 6180.1 | 6202.1 | 6217.6 | 6232.5 | 6207.0 | 6180.8 | 6118.4 | 6055.4 | 5893.1 | 5731.5 | 5552.2 |
| 17.5° | 5786.1 | 5849.9 | 5934.9 | 6019.9 | 6066.7 | 6114.2 | 6091.5 | 6069.5 | 5917.9 | 5766.9 | 5575.6 |
| 20° | 5367.3 | 5474.3 | 5633.7 | 5793.2 | 5918.6 | 6044.7 | 6080.2 | 6115.6 | 5962.5 | 5809.5 | 5604.0 |
| 22.5° | 4982.5 | 5105.8 | 5323.3 | 5541.6 | 5753.5 | 5965.4 | 6065.3 | 6165.2 | 6024.9 | 5885.3 | 5659.2 |
| 25° | 4681.3 | 4815.2 | 5071.1 | 5327.6 | 5613.2 | 5899.5 | 6071.7 | 6243.2 | 6122.0 | 6000.8 | 5754.2 |
| 27.5° | 4439.7 | 4567.2 | 4845.7 | 5123.5 | 5477.8 | 5832.1 | 6094.3 | 6356.5 | 6263.7 | 6170.9 | 5893.1 |
| 30° | 4265.3 | 4390.0 | 4680.6 | 4971.1 | 5395.6 | 5819.4 | 6168.0 | 6516.0 | 6443.0 | 6370.7 | 6057.5 |
| 32.5° | 4171.1 | 4290.8 | 4586.3 | 4882.6 | 5357.3 | 5832.1 | 6271.5 | 6710.9 | 6665.5 | 6620.2 | 6250.9 |
| 35° | 4238.4 | 4326.3 | 4600.5 | 4875.5 | 5401.3 | 5927.8 | 6484.1 | 7040.4 | 6983.7 | 6927.0 | 6456.5 |
| 37.5° | 4699.7 | 4699.7 | 4886.8 | 5073.9 | 5616.0 | 6158.1 | 6808.7 | 7458.5 | 7391.2 | 7323.8 | 6707.3 |
| 40° | 5687.6 | 5568.5 | 5578.4 | 5589.8 | 6102.1 | 6615.2 | 7345.1 | 8075.0 | 7942.5 | 7809.3 | 6994.3 |
| 42.5° | 7409.6 | 7065.2 | 6817.2 | 6569.1 | 6983.0 | 7396.8 | 8167.8 | 8939.5 | 8658.9 | 8377.6 | 7311.8 |
| 45° | 9645.4 | 9036.6 | 8485.3 | 7933.3 | 8221.7 | 8510.8 | 9262.0 | 10013.1 | 9563.2 | 9113.2 | 7742.6 |
| 47.5° | 12173.8 | 11281.6 | 10363.9 | 9446.2 | 9610.6 | 9775.7 | 10408.6 | 11040.7 | 10470.9 | 9901.2 | 8185.5 |
| 50° | 14626.4 | 13474.9 | 12252.5 | 11030.0 | 11061.9 | 11093.8 | 11662.9 | 12231.2 | 11458.8 | 10686.4 | 8571.8 |
| 52.5° | 16855.1 | 15462.6 | 14010.6 | 12558.6 | 12534.5 | 12509.0 | 13134.0 | 13758.3 | 12531.7 | 11304.3 | 8754.6 |
| 55° | 19056.9 | 17346.2 | 15676.6 | 14008.5 | 14012.7 | 14017.0 | 14800.0 | 15583.1 | 13609.5 | 11635.9 | 8706.4 |
| 57.5° | 21004.9 | 19115.7 | 17371.7 | 15627.0 | 15802.1 | 15976.4 | 16709.8 | 17443.3 | 14514.4 | 11586.3 | 8443.5 |
| 60° | 23009.0 | 21057.4 | 19265.2 | 17473.7 | 17752.2 | 18031.4 | 18435.4 | 18839.3 | 14919.8 | 10999.6 | 7813.5 |
| 62.5° | 25562.2 | 23532.6 | 21598.8 | 19664.9 | 19685.4 | 19706.0 | 18983.9 | 18261.8 | 14020.5 | 9779.3 | 6781.0 |
| 65° | *26989.4* | *24874.8* | *22537.7* | *20199.9* | *19408.3* | *18616.1* | *17464.5* | *16313.0* | *12093.0* | *7873.0* | *5319.1* |
| 67.5° | 25480.0 | 23080.5 | 20445.8 | 17811.8 | 17163.4 | 16514.9 | 15499.5 | 14484.7 | 10385.9 | 6287.1 | 4139.2 |
| 70° | 22282.6 | 20384.1 | 18147.0 | 15909.1 | 15445.6 | 14982.2 | 13858.2 | 12734.3 | 8823.3 | 4912.3 | 3171.9 |
| 72.5° | 18265.3 | 17254.1 | 15625.6 | 13997.1 | 13800.8 | 13604.5 | 12267.3 | 10930.8 | 7326.7 | 3721.8 | 2384.6 |
| 75° | 13500.4 | 13243.1 | 12735.0 | 12227.7 | 12096.6 | 11965.5 | 10458.2 | 8950.2 | 5849.9 | 2749.5 | 1767.4 |
| 77.5° | 9811.2 | 9828.9 | 9490.2 | 9152.1 | 8858.0 | 8564.0 | 7257.9 | 5952.6 | 3838.0 | 1723.4 | 1142.3 |
| 80° | 6377.8 | 6119.1 | 5866.2 | 5612.5 | 5574.2 | 5535.9 | 4514.8 | 3493.6 | 2200.3 | 907.1 | 631.4 |
| 82.5° | 3424.2 | 3351.9 | 3196.7 | 3041.5 | 2955.0 | 2868.6 | 2307.3 | 1746.8 | 1102.7 | 459.2 | 339.4 |
| 85° | 1278.4 | 1296.8 | 1133.8 | 970.8 | 829.8 | 688.8 | 542.8 | 396.8 | 262.2 | 127.6 | 107.7 |
| 87.5° | 39.0 | 36.8 | 36.1 | 35.4 | 34.7 | 34.0 | 32.6 | 31.9 | 31.2 | 29.8 | 29.1 |
| 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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Scaled Data Report

REPORT NUMBER: P1365124
CATALOG NUMBER: GSS-SB6B-835-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 |
| 2.5° | 4820.2 | 4779.1 | 4737.3 | 4697.6 | 4657.2 | 4616.8 | 4581.4 | 4543.1 | 4505.6 | 4475.8 | 4446.7 |
| 5° | 5006.6 | 4925.1 | 4843.6 | 4766.3 | 4689.8 | 4609.7 | 4541.0 | 4473.0 | 4406.3 | 4351.1 | 4295.8 |
| 7.5° | 5153.3 | 5039.9 | 4926.5 | 4825.2 | 4723.1 | 4616.8 | 4533.9 | 4451.0 | 4368.8 | 4297.2 | 4224.9 |
| 10° | 5254.6 | 5115.0 | 4974.7 | 4857.8 | 4740.8 | 4627.4 | 4538.9 | 4451.7 | 4365.2 | 4291.5 | 4217.8 |
| 12.5° | 5329.0 | 5172.4 | 5015.8 | 4886.8 | 4758.5 | 4634.5 | 4548.1 | 4475.8 | 4404.2 | 4352.5 | 4301.5 |
| 15° | 5372.9 | 5204.3 | 5034.9 | 4889.6 | 4744.4 | 4606.2 | 4529.7 | 4482.9 | 4436.1 | 4431.9 | 4427.6 |
| 17.5° | 5384.3 | 5191.5 | 4999.5 | 4830.1 | 4661.5 | 4499.9 | 4434.7 | 4428.3 | 4421.9 | 4492.1 | 4562.3 |
| 20° | 5398.4 | 5172.4 | 4946.3 | 4723.8 | 4501.3 | 4287.3 | 4246.2 | 4286.6 | 4326.3 | 4463.7 | 4600.5 |
| 22.5° | 5433.9 | 5157.5 | 4881.1 | 4601.9 | 4322.7 | 4067.6 | 4028.6 | 4088.2 | 4147.0 | 4326.3 | 4505.6 |
| 25° | 5507.6 | 5156.1 | 4804.6 | 4456.7 | 4108.7 | 3816.0 | 3812.5 | 3877.0 | 3941.5 | 4107.3 | 4273.1 |
| 27.5° | 5616.0 | 5169.6 | 4723.1 | 4307.8 | 3891.9 | 3592.8 | 3610.5 | 3672.2 | 3734.6 | 3857.9 | 3981.2 |
| 30° | 5743.6 | 5198.6 | 4654.4 | 4178.2 | 3702.7 | 3412.1 | 3431.3 | 3479.4 | 3527.6 | 3616.9 | 3706.2 |
| 32.5° | 5881.7 | 5231.2 | 4581.4 | 4064.8 | 3548.9 | 3281.0 | 3281.0 | 3301.6 | 3322.1 | 3380.2 | 3438.3 |
| 35° | 5986.6 | 5223.4 | 4460.9 | 3935.8 | 3410.0 | 3203.1 | 3159.1 | 3142.1 | 3125.1 | 3163.4 | 3201.7 |
| 37.5° | 6090.8 | 5201.4 | 4312.1 | 3792.7 | 3273.9 | 3110.9 | 3027.3 | 2982.0 | 2935.2 | 2953.6 | 2970.6 |
| 40° | 6179.4 | 5151.8 | 4124.3 | 3621.9 | 3119.5 | 2990.5 | 2885.6 | 2817.6 | 2749.5 | 2748.1 | 2746.0 |
| 42.5° | 6244.6 | 5066.1 | 3886.9 | 3418.5 | 2949.4 | 2859.4 | 2729.7 | 2643.2 | 2556.8 | 2547.6 | 2538.4 |
| 45° | 6372.1 | 5007.3 | 3642.4 | 3211.6 | 2781.4 | 2699.9 | 2571.0 | 2481.7 | 2393.8 | 2379.6 | 2365.5 |
| 47.5° | 6469.9 | 4938.5 | 3407.2 | 3006.1 | 2606.4 | 2512.1 | 2391.7 | 2315.8 | 2239.3 | 2230.8 | 2221.6 |
| 50° | 6457.2 | 4821.6 | 3185.4 | 2823.2 | 2460.4 | 2331.4 | 2212.4 | 2150.0 | 2087.0 | 2097.6 | 2108.2 |
| 52.5° | 6204.2 | 4582.1 | 2960.7 | 2658.8 | 2358.4 | 2193.3 | 2065.7 | 2018.9 | 1971.4 | 2004.8 | 2037.4 |
| 55° | 5776.9 | 4264.6 | 2751.0 | 2521.4 | 2290.3 | 2125.9 | 1975.7 | 1923.3 | 1870.8 | 1917.6 | 1964.4 |
| 57.5° | 5300.7 | 3932.3 | 2563.9 | 2405.1 | 2246.4 | 2108.2 | 1924.0 | 1850.3 | 1777.3 | 1824.0 | 1870.8 |
| 60° | 4627.4 | 3512.0 | 2396.6 | 2285.4 | 2174.1 | 2065.7 | 1881.4 | 1789.3 | 1697.2 | 1728.4 | 1758.9 |
| 62.5° | 3782.7 | 2979.1 | 2175.5 | 2113.2 | 2051.5 | 2005.5 | 1829.7 | 1709.2 | 1588.8 | 1593.0 | 1595.9 |
| 65° | *2765.1* | *2341.4* | *1916.9* | *1903.4* | *1890.7* | *1877.9* | *1732.6* | *1603.0* | *1474.0* | *1459.8* | *1445.6* |
| 67.5° | 1991.3 | 1790.0 | 1588.8 | 1626.3 | 1663.9 | 1683.0 | 1583.8 | 1469.7 | 1354.9 | 1325.9 | 1296.8 |
| 70° | 1431.5 | 1360.6 | 1289.7 | 1345.7 | 1401.7 | 1396.0 | 1347.8 | 1279.8 | 1211.8 | 1193.4 | 1174.9 |
| 72.5° | 1047.4 | 1046.0 | 1045.2 | 1087.8 | 1130.3 | 1073.6 | 1104.1 | 1088.5 | 1073.6 | 1060.1 | 1047.4 |
| 75° | 785.2 | 780.2 | 776.0 | 826.3 | 877.3 | 900.0 | 919.8 | 911.3 | 903.5 | 893.6 | 884.4 |
| 77.5° | 561.2 | 565.5 | 568.3 | 623.6 | 678.9 | 744.1 | 747.6 | 729.2 | 710.1 | 700.1 | 688.8 |
| 80° | 355.7 | 360.0 | 362.8 | 420.9 | 478.3 | 570.5 | 566.9 | 544.2 | 520.9 | 513.1 | 504.6 |
| 82.5° | 219.7 | 220.4 | 221.1 | 249.4 | 277.8 | 329.5 | 343.7 | 343.7 | 343.7 | 338.7 | 333.1 |
| 85° | 88.6 | 92.8 | 97.8 | 116.2 | 134.6 | 163.0 | 171.5 | 172.9 | 173.6 | 165.8 | 157.3 |
| 87.5° | 28.3 | 29.8 | 31.9 | 35.4 | 39.0 | 42.5 | 49.6 | 53.9 | 58.1 | 62.4 | 65.2 |
| 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: P1365124
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**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 |
| 2.5° | 4421.2 | 4395.0 | 4364.5 | 4333.4 | 4311.4 | 4288.7 | 4273.8 | 4259.0 | 4251.9 | 4244.8 | 4239.1 |
| 5° | 4250.4 | 4203.7 | 4162.6 | 4120.8 | 4088.2 | 4054.9 | 4027.9 | 4000.3 | 3989.0 | 3976.9 | 3969.1 |
| 7.5° | 4164.0 | 4103.0 | 4052.0 | 4000.3 | 3951.4 | 3903.2 | 3872.0 | 3840.9 | 3822.4 | 3804.0 | 3790.5 |
| 10° | 4153.4 | 4088.9 | 4021.6 | 3954.2 | 3900.4 | 3846.5 | 3799.7 | 3754.4 | 3728.2 | 3702.7 | 3688.5 |
| 12.5° | 4241.9 | 4182.4 | 4102.3 | 4021.6 | 3948.6 | 3876.3 | 3818.9 | 3761.5 | 3728.9 | 3697.7 | 3676.4 |
| 15° | 4407.1 | 4386.5 | 4312.1 | 4237.7 | 4137.1 | 4035.7 | 3953.5 | 3870.6 | 3825.3 | 3778.5 | 3752.3 |
| 17.5° | 4602.6 | 4643.0 | 4591.3 | 4538.9 | 4397.1 | 4255.4 | 4132.8 | 4010.9 | 3944.3 | 3877.7 | 3854.3 |
| 20° | 4709.6 | 4818.8 | 4813.1 | 4808.1 | 4623.2 | 4437.5 | 4276.7 | 4115.8 | 4026.5 | 3938.6 | 3903.2 |
| 22.5° | 4662.9 | 4820.2 | 4860.6 | 4900.3 | 4718.9 | 4536.7 | 4338.3 | 4139.9 | 4035.0 | 3929.4 | 3896.1 |
| 25° | 4442.5 | 4611.9 | 4687.0 | 4762.1 | 4612.6 | 4463.0 | 4270.3 | 4078.2 | 3967.7 | 3856.4 | 3822.4 |
| 27.5° | 4117.2 | 4253.3 | 4337.6 | 4421.9 | 4330.5 | 4239.1 | 4083.2 | 3927.3 | 3829.5 | 3731.0 | 3694.9 |
| 30° | 3798.3 | 3890.5 | 3957.8 | 4025.1 | 3964.9 | 3904.6 | 3792.7 | 3681.4 | 3608.4 | 3536.1 | 3513.5 |
| 32.5° | 3507.1 | 3575.1 | 3612.7 | 3649.5 | 3602.7 | 3556.0 | 3482.3 | 3408.6 | 3363.2 | 3317.9 | 3303.0 |
| 35° | 3256.9 | 3312.9 | 3341.3 | 3369.6 | 3330.6 | 3291.7 | 3225.7 | 3160.6 | 3128.0 | 3095.4 | 3083.3 |
| 37.5° | 3018.1 | 3064.9 | 3105.3 | 3146.4 | 3118.0 | 3089.7 | 3033.7 | 2977.7 | 2939.5 | 2899.8 | 2878.5 |
| 40° | 2791.3 | 2836.0 | 2887.0 | 2937.3 | 2932.4 | 2926.7 | 2873.6 | 2820.4 | 2765.1 | 2710.6 | 2681.5 |
| 42.5° | 2583.0 | 2627.7 | 2681.5 | 2735.4 | 2746.0 | 2756.6 | 2712.7 | 2668.0 | 2604.3 | 2540.5 | 2495.8 |
| 45° | 2403.7 | 2443.4 | 2502.2 | 2561.7 | 2586.6 | 2611.4 | 2571.7 | 2531.3 | 2459.7 | 2388.1 | 2335.0 |
| 47.5° | 2262.0 | 2303.1 | 2368.3 | 2434.2 | 2460.4 | 2487.3 | 2460.4 | 2434.2 | 2372.5 | 2310.2 | 2263.4 |
| 50° | 2152.9 | 2196.8 | 2247.8 | 2299.5 | 2348.4 | 2396.6 | 2391.7 | 2386.7 | 2337.8 | 2288.9 | 2245.0 |
| 52.5° | 2077.7 | 2118.8 | 2172.0 | 2225.1 | 2276.2 | 2327.9 | 2335.7 | 2344.2 | 2308.8 | 2273.3 | 2235.1 |
| 55° | 2013.3 | 2062.2 | 2111.8 | 2161.4 | 2209.6 | 2257.0 | 2267.7 | 2278.3 | 2252.8 | 2226.6 | 2198.2 |
| 57.5° | 1924.0 | 1977.1 | 2026.7 | 2076.3 | 2132.3 | 2188.3 | 2196.8 | 2205.3 | 2178.4 | 2150.7 | 2129.5 |
| 60° | 1813.4 | 1867.3 | 1919.0 | 1970.0 | 2026.7 | 2083.4 | 2094.8 | 2106.1 | 2084.8 | 2063.6 | 2043.7 |
| 62.5° | 1657.5 | 1718.5 | 1761.0 | 1803.5 | 1857.4 | 1911.9 | 1928.2 | 1945.2 | 1935.3 | 1926.1 | 1903.4 |
| 65° | *1503.7* | *1562.6* | *1595.9* | *1629.9* | *1676.7* | *1723.4* | *1739.7* | *1756.0* | *1751.1* | *1746.8* | *1730.5* |
| 67.5° | 1350.7 | 1404.5 | 1432.2 | 1459.8 | 1491.7 | 1523.6 | 1542.0 | 1560.4 | 1551.2 | 1541.3 | 1524.3 |
| 70° | 1218.9 | 1262.8 | 1286.9 | 1311.0 | 1336.5 | 1362.0 | 1371.9 | 1381.9 | 1367.7 | 1353.5 | 1315.2 |
| 72.5° | 1080.7 | 1114.0 | 1134.5 | 1155.1 | 1179.2 | 1203.3 | 1208.9 | 1215.3 | 1193.4 | 1170.7 | 1126.0 |
| 75° | 909.9 | 935.4 | 951.0 | 967.3 | 992.1 | 1016.9 | 1027.5 | 1038.2 | 1007.0 | 976.5 | 929.0 |
| 77.5° | 712.2 | 735.6 | 750.5 | 765.3 | 785.9 | 806.4 | 809.3 | 813.5 | 786.6 | 759.7 | 731.3 |
| 80° | 521.6 | 538.6 | 544.2 | 549.2 | 566.2 | 582.5 | 582.5 | 582.5 | 562.7 | 542.1 | 527.9 |
| 82.5° | 329.5 | 326.0 | 318.9 | 311.8 | 328.8 | 345.8 | 351.5 | 357.9 | 348.7 | 340.1 | 324.6 |
| 85° | 147.4 | 136.1 | 133.9 | 131.1 | 130.4 | 129.0 | 133.9 | 138.2 | 136.1 | 134.6 | 129.0 |
| 87.5° | 69.4 | 72.3 | 70.2 | 67.3 | 64.5 | 62.4 | 56.7 | 51.0 | 46.8 | 42.5 | 39.7 |
| 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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Scaled Data Report

REPORT NUMBER: P1365124
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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 |
| 2.5° | 4234.1 | 4230.6 | 4234.1 | 4239.1 | 4244.8 | 4251.9 | 4259.0 | 4273.8 | 4288.7 | 4311.4 | 4333.4 |
| 5° | 3961.3 | 3954.2 | 3961.3 | 3969.1 | 3976.9 | 3989.0 | 4000.3 | 4027.9 | 4054.9 | 4088.2 | 4120.8 |
| 7.5° | 3777.1 | 3770.0 | 3777.1 | 3790.5 | 3804.0 | 3822.4 | 3840.9 | 3872.0 | 3903.2 | 3951.4 | 4000.3 |
| 10° | 3674.3 | 3663.7 | 3674.3 | 3688.5 | 3702.7 | 3728.2 | 3754.4 | 3799.7 | 3846.5 | 3900.4 | 3954.2 |
| 12.5° | 3655.2 | 3642.4 | 3655.2 | 3676.4 | 3697.7 | 3728.9 | 3761.5 | 3818.9 | 3876.3 | 3948.6 | 4021.6 |
| 15° | 3726.1 | 3706.2 | 3726.1 | 3752.3 | 3778.5 | 3825.3 | 3870.6 | 3953.5 | 4035.7 | 4137.1 | 4237.7 |
| 17.5° | 3830.2 | 3819.6 | 3830.2 | 3854.3 | 3877.7 | 3944.3 | 4010.9 | 4132.8 | 4255.4 | 4397.1 | 4538.9 |
| 20° | 3867.8 | 3855.0 | 3867.8 | 3903.2 | 3938.6 | 4026.5 | 4115.8 | 4276.7 | 4437.5 | 4623.2 | 4808.1 |
| 22.5° | 3862.1 | 3847.9 | 3862.1 | 3896.1 | 3929.4 | 4035.0 | 4139.9 | 4338.3 | 4536.7 | 4718.9 | 4900.3 |
| 25° | 3787.7 | 3777.1 | 3787.7 | 3822.4 | 3856.4 | 3967.7 | 4078.2 | 4270.3 | 4463.0 | 4612.6 | 4762.1 |
| 27.5° | 3658.0 | 3635.3 | 3658.0 | 3694.9 | 3731.0 | 3829.5 | 3927.3 | 4083.2 | 4239.1 | 4330.5 | 4421.9 |
| 30° | 3490.1 | 3479.4 | 3490.1 | 3513.5 | 3536.1 | 3608.4 | 3681.4 | 3792.7 | 3904.6 | 3964.9 | 4025.1 |
| 32.5° | 3288.1 | 3281.0 | 3288.1 | 3303.0 | 3317.9 | 3363.2 | 3408.6 | 3482.3 | 3556.0 | 3602.7 | 3649.5 |
| 35° | 3072.0 | 3061.3 | 3072.0 | 3083.3 | 3095.4 | 3128.0 | 3160.6 | 3225.7 | 3291.7 | 3330.6 | 3369.6 |
| 37.5° | 2857.3 | 2841.7 | 2857.3 | 2878.5 | 2899.8 | 2939.5 | 2977.7 | 3033.7 | 3089.7 | 3118.0 | 3146.4 |
| 40° | 2651.7 | 2636.2 | 2651.7 | 2681.5 | 2710.6 | 2765.1 | 2820.4 | 2873.6 | 2926.7 | 2932.4 | 2937.3 |
| 42.5° | 2451.9 | 2423.6 | 2451.9 | 2495.8 | 2540.5 | 2604.3 | 2668.0 | 2712.7 | 2756.6 | 2746.0 | 2735.4 |
| 45° | 2281.8 | 2246.4 | 2281.8 | 2335.0 | 2388.1 | 2459.7 | 2531.3 | 2571.7 | 2611.4 | 2586.6 | 2561.7 |
| 47.5° | 2216.6 | 2182.6 | 2216.6 | 2263.4 | 2310.2 | 2372.5 | 2434.2 | 2460.4 | 2487.3 | 2460.4 | 2434.2 |
| 50° | 2200.3 | 2168.5 | 2200.3 | 2245.0 | 2288.9 | 2337.8 | 2386.7 | 2391.7 | 2396.6 | 2348.4 | 2299.5 |
| 52.5° | 2196.8 | 2168.5 | 2196.8 | 2235.1 | 2273.3 | 2308.8 | 2344.2 | 2335.7 | 2327.9 | 2276.2 | 2225.1 |
| 55° | 2169.9 | 2147.2 | 2169.9 | 2198.2 | 2226.6 | 2252.8 | 2278.3 | 2267.7 | 2257.0 | 2209.6 | 2161.4 |
| 57.5° | 2108.2 | 2097.6 | 2108.2 | 2129.5 | 2150.7 | 2178.4 | 2205.3 | 2196.8 | 2188.3 | 2132.3 | 2076.3 |
| 60° | 2023.2 | 2005.5 | 2023.2 | 2043.7 | 2063.6 | 2084.8 | 2106.1 | 2094.8 | 2083.4 | 2026.7 | 1970.0 |
| 62.5° | 1881.4 | 1856.6 | 1881.4 | 1903.4 | 1926.1 | 1935.3 | 1945.2 | 1928.2 | 1911.9 | 1857.4 | 1803.5 |
| 65° | *1714.9* | *1686.6* | *1714.9* | *1730.5* | *1746.8* | *1751.1* | *1756.0* | *1739.7* | *1723.4* | *1676.7* | *1629.9* |
| 67.5° | 1508.0 | 1502.3 | 1508.0 | 1524.3 | 1541.3 | 1551.2 | 1560.4 | 1542.0 | 1523.6 | 1491.7 | 1459.8 |
| 70° | 1277.0 | 1233.0 | 1277.0 | 1315.2 | 1353.5 | 1367.7 | 1381.9 | 1371.9 | 1362.0 | 1336.5 | 1311.0 |
| 72.5° | 1080.7 | 1034.6 | 1080.7 | 1126.0 | 1170.7 | 1193.4 | 1215.3 | 1208.9 | 1203.3 | 1179.2 | 1155.1 |
| 75° | 882.3 | 850.4 | 882.3 | 929.0 | 976.5 | 1007.0 | 1038.2 | 1027.5 | 1016.9 | 992.1 | 967.3 |
| 77.5° | 703.0 | 687.4 | 703.0 | 731.3 | 759.7 | 786.6 | 813.5 | 809.3 | 806.4 | 785.9 | 765.3 |
| 80° | 513.8 | 503.1 | 513.8 | 527.9 | 542.1 | 562.7 | 582.5 | 582.5 | 582.5 | 566.2 | 549.2 |
| 82.5° | 308.3 | 297.6 | 308.3 | 324.6 | 340.1 | 348.7 | 357.9 | 351.5 | 345.8 | 328.8 | 311.8 |
| 85° | 124.0 | 120.5 | 124.0 | 129.0 | 134.6 | 136.1 | 138.2 | 133.9 | 129.0 | 130.4 | 131.1 |
| 87.5° | 36.8 | 35.4 | 36.8 | 39.7 | 42.5 | 46.8 | 51.0 | 56.7 | 62.4 | 64.5 | 67.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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Scaled Data Report

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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 |
| 2.5° | 4364.5 | 4395.0 | 4421.2 | 4446.7 | 4475.8 | 4505.6 | 4543.1 | 4581.4 | 4616.8 | 4657.2 | 4697.6 |
| 5° | 4162.6 | 4203.7 | 4250.4 | 4295.8 | 4351.1 | 4406.3 | 4473.0 | 4541.0 | 4609.7 | 4689.8 | 4766.3 |
| 7.5° | 4052.0 | 4103.0 | 4164.0 | 4224.9 | 4297.2 | 4368.8 | 4451.0 | 4533.9 | 4616.8 | 4723.1 | 4825.2 |
| 10° | 4021.6 | 4088.9 | 4153.4 | 4217.8 | 4291.5 | 4365.2 | 4451.7 | 4538.9 | 4627.4 | 4740.8 | 4857.8 |
| 12.5° | 4102.3 | 4182.4 | 4241.9 | 4301.5 | 4352.5 | 4404.2 | 4475.8 | 4548.1 | 4634.5 | 4758.5 | 4886.8 |
| 15° | 4312.1 | 4386.5 | 4407.1 | 4427.6 | 4431.9 | 4436.1 | 4482.9 | 4529.7 | 4606.2 | 4744.4 | 4889.6 |
| 17.5° | 4591.3 | 4643.0 | 4602.6 | 4562.3 | 4492.1 | 4421.9 | 4428.3 | 4434.7 | 4499.9 | 4661.5 | 4830.1 |
| 20° | 4813.1 | 4818.8 | 4709.6 | 4600.5 | 4463.7 | 4326.3 | 4286.6 | 4246.2 | 4287.3 | 4501.3 | 4723.8 |
| 22.5° | 4860.6 | 4820.2 | 4662.9 | 4505.6 | 4326.3 | 4147.0 | 4088.2 | 4028.6 | 4067.6 | 4322.7 | 4601.9 |
| 25° | 4687.0 | 4611.9 | 4442.5 | 4273.1 | 4107.3 | 3941.5 | 3877.0 | 3812.5 | 3816.0 | 4108.7 | 4456.7 |
| 27.5° | 4337.6 | 4253.3 | 4117.2 | 3981.2 | 3857.9 | 3734.6 | 3672.2 | 3610.5 | 3592.8 | 3891.9 | 4307.8 |
| 30° | 3957.8 | 3890.5 | 3798.3 | 3706.2 | 3616.9 | 3527.6 | 3479.4 | 3431.3 | 3412.1 | 3702.7 | 4178.2 |
| 32.5° | 3612.7 | 3575.1 | 3507.1 | 3438.3 | 3380.2 | 3322.1 | 3301.6 | 3281.0 | 3281.0 | 3548.9 | 4064.8 |
| 35° | 3341.3 | 3312.9 | 3256.9 | 3201.7 | 3163.4 | 3125.1 | 3142.1 | 3159.1 | 3203.1 | 3410.0 | 3935.8 |
| 37.5° | 3105.3 | 3064.9 | 3018.1 | 2970.6 | 2953.6 | 2935.2 | 2982.0 | 3027.3 | 3110.9 | 3273.9 | 3792.7 |
| 40° | 2887.0 | 2836.0 | 2791.3 | 2746.0 | 2748.1 | 2749.5 | 2817.6 | 2885.6 | 2990.5 | 3119.5 | 3621.9 |
| 42.5° | 2681.5 | 2627.7 | 2583.0 | 2538.4 | 2547.6 | 2556.8 | 2643.2 | 2729.7 | 2859.4 | 2949.4 | 3418.5 |
| 45° | 2502.2 | 2443.4 | 2403.7 | 2365.5 | 2379.6 | 2393.8 | 2481.7 | 2571.0 | 2699.9 | 2781.4 | 3211.6 |
| 47.5° | 2368.3 | 2303.1 | 2262.0 | 2221.6 | 2230.8 | 2239.3 | 2315.8 | 2391.7 | 2512.1 | 2606.4 | 3006.1 |
| 50° | 2247.8 | 2196.8 | 2152.9 | 2108.2 | 2097.6 | 2087.0 | 2150.0 | 2212.4 | 2331.4 | 2460.4 | 2823.2 |
| 52.5° | 2172.0 | 2118.8 | 2077.7 | 2037.4 | 2004.8 | 1971.4 | 2018.9 | 2065.7 | 2193.3 | 2358.4 | 2658.8 |
| 55° | 2111.8 | 2062.2 | 2013.3 | 1964.4 | 1917.6 | 1870.8 | 1923.3 | 1975.7 | 2125.9 | 2290.3 | 2521.4 |
| 57.5° | 2026.7 | 1977.1 | 1924.0 | 1870.8 | 1824.0 | 1777.3 | 1850.3 | 1924.0 | 2108.2 | 2246.4 | 2405.1 |
| 60° | 1919.0 | 1867.3 | 1813.4 | 1758.9 | 1728.4 | 1697.2 | 1789.3 | 1881.4 | 2065.7 | 2174.1 | 2285.4 |
| 62.5° | 1761.0 | 1718.5 | 1657.5 | 1595.9 | 1593.0 | 1588.8 | 1709.2 | 1829.7 | 2005.5 | 2051.5 | 2113.2 |
| 65° | *1595.9* | *1562.6* | *1503.7* | *1445.6* | *1459.8* | *1474.0* | *1603.0* | *1732.6* | *1877.9* | *1890.7* | *1903.4* |
| 67.5° | 1432.2 | 1404.5 | 1350.7 | 1296.8 | 1325.9 | 1354.9 | 1469.7 | 1583.8 | 1683.0 | 1663.9 | 1626.3 |
| 70° | 1286.9 | 1262.8 | 1218.9 | 1174.9 | 1193.4 | 1211.8 | 1279.8 | 1347.8 | 1396.0 | 1401.7 | 1345.7 |
| 72.5° | 1134.5 | 1114.0 | 1080.7 | 1047.4 | 1060.1 | 1073.6 | 1088.5 | 1104.1 | 1073.6 | 1130.3 | 1087.8 |
| 75° | 951.0 | 935.4 | 909.9 | 884.4 | 893.6 | 903.5 | 911.3 | 919.8 | 900.0 | 877.3 | 826.3 |
| 77.5° | 750.5 | 735.6 | 712.2 | 688.8 | 700.1 | 710.1 | 729.2 | 747.6 | 744.1 | 678.9 | 623.6 |
| 80° | 544.2 | 538.6 | 521.6 | 504.6 | 513.1 | 520.9 | 544.2 | 566.9 | 570.5 | 478.3 | 420.9 |
| 82.5° | 318.9 | 326.0 | 329.5 | 333.1 | 338.7 | 343.7 | 343.7 | 343.7 | 329.5 | 277.8 | 249.4 |
| 85° | 133.9 | 136.1 | 147.4 | 157.3 | 165.8 | 173.6 | 172.9 | 171.5 | 163.0 | 134.6 | 116.2 |
| 87.5° | 70.2 | 72.3 | 69.4 | 65.2 | 62.4 | 58.1 | 53.9 | 49.6 | 42.5 | 39.0 | 35.4 |
| 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: P1365124
CATALOG NUMBER: GSS-SB6B-835-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 | 4620.4 |
| 2.5° | 4737.3 | 4779.1 | 4820.2 | 4861.3 | 4902.4 | 4947.0 | 4992.4 |
| 5° | 4843.6 | 4925.1 | 5006.6 | 5089.5 | 5173.1 | 5252.5 | 5332.5 |
| 7.5° | 4926.5 | 5039.9 | 5153.3 | 5280.1 | 5407.0 | 5541.6 | 5676.2 |
| 10° | 4974.7 | 5115.0 | 5254.6 | 5412.6 | 5569.9 | 5731.5 | 5892.4 |
| 12.5° | 5015.8 | 5172.4 | 5329.0 | 5505.5 | 5681.9 | 5842.1 | 6002.2 |
| 15° | 5034.9 | 5204.3 | 5372.9 | 5552.2 | 5731.5 | 5893.1 | 6055.4 |
| 17.5° | 4999.5 | 5191.5 | 5384.3 | 5575.6 | 5766.9 | 5917.9 | 6069.5 |
| 20° | 4946.3 | 5172.4 | 5398.4 | 5604.0 | 5809.5 | 5962.5 | 6115.6 |
| 22.5° | 4881.1 | 5157.5 | 5433.9 | 5659.2 | 5885.3 | 6024.9 | 6165.2 |
| 25° | 4804.6 | 5156.1 | 5507.6 | 5754.2 | 6000.8 | 6122.0 | 6243.2 |
| 27.5° | 4723.1 | 5169.6 | 5616.0 | 5893.1 | 6170.9 | 6263.7 | 6356.5 |
| 30° | 4654.4 | 5198.6 | 5743.6 | 6057.5 | 6370.7 | 6443.0 | 6516.0 |
| 32.5° | 4581.4 | 5231.2 | 5881.7 | 6250.9 | 6620.2 | 6665.5 | 6710.9 |
| 35° | 4460.9 | 5223.4 | 5986.6 | 6456.5 | 6927.0 | 6983.7 | 7040.4 |
| 37.5° | 4312.1 | 5201.4 | 6090.8 | 6707.3 | 7323.8 | 7391.2 | 7458.5 |
| 40° | 4124.3 | 5151.8 | 6179.4 | 6994.3 | 7809.3 | 7942.5 | 8075.0 |
| 42.5° | 3886.9 | 5066.1 | 6244.6 | 7311.8 | 8377.6 | 8658.9 | 8939.5 |
| 45° | 3642.4 | 5007.3 | 6372.1 | 7742.6 | 9113.2 | 9563.2 | 10013.1 |
| 47.5° | 3407.2 | 4938.5 | 6469.9 | 8185.5 | 9901.2 | 10470.9 | 11040.7 |
| 50° | 3185.4 | 4821.6 | 6457.2 | 8571.8 | 10686.4 | 11458.8 | 12231.2 |
| 52.5° | 2960.7 | 4582.1 | 6204.2 | 8754.6 | 11304.3 | 12531.7 | 13758.3 |
| 55° | 2751.0 | 4264.6 | 5776.9 | 8706.4 | 11635.9 | 13609.5 | 15583.1 |
| 57.5° | 2563.9 | 3932.3 | 5300.7 | 8443.5 | 11586.3 | 14514.4 | 17443.3 |
| 60° | 2396.6 | 3512.0 | 4627.4 | 7813.5 | 10999.6 | 14919.8 | 18839.3 |
| 62.5° | 2175.5 | 2979.1 | 3782.7 | 6781.0 | 9779.3 | 14020.5 | 18261.8 |
| 65° | *1916.9* | *2341.4* | *2765.1* | *5319.1* | *7873.0* | *12093.0* | *16313.0* |
| 67.5° | 1588.8 | 1790.0 | 1991.3 | 4139.2 | 6287.1 | 10385.9 | 14484.7 |
| 70° | 1289.7 | 1360.6 | 1431.5 | 3171.9 | 4912.3 | 8823.3 | 12734.3 |
| 72.5° | 1045.2 | 1046.0 | 1047.4 | 2384.6 | 3721.8 | 7326.7 | 10930.8 |
| 75° | 776.0 | 780.2 | 785.2 | 1767.4 | 2749.5 | 5849.9 | 8950.2 |
| 77.5° | 568.3 | 565.5 | 561.2 | 1142.3 | 1723.4 | 3838.0 | 5952.6 |
| 80° | 362.8 | 360.0 | 355.7 | 631.4 | 907.1 | 2200.3 | 3493.6 |
| 82.5° | 221.1 | 220.4 | 219.7 | 339.4 | 459.2 | 1102.7 | 1746.8 |
| 85° | 97.8 | 92.8 | 88.6 | 107.7 | 127.6 | 262.2 | 396.8 |
| 87.5° | 31.9 | 29.8 | 28.3 | 29.1 | 29.8 | 31.2 | 31.9 |
| 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

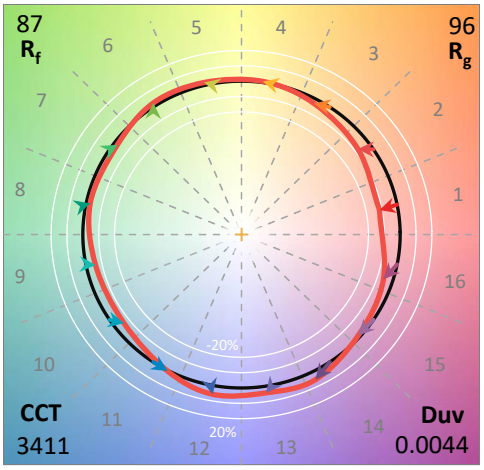
## Test Information

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

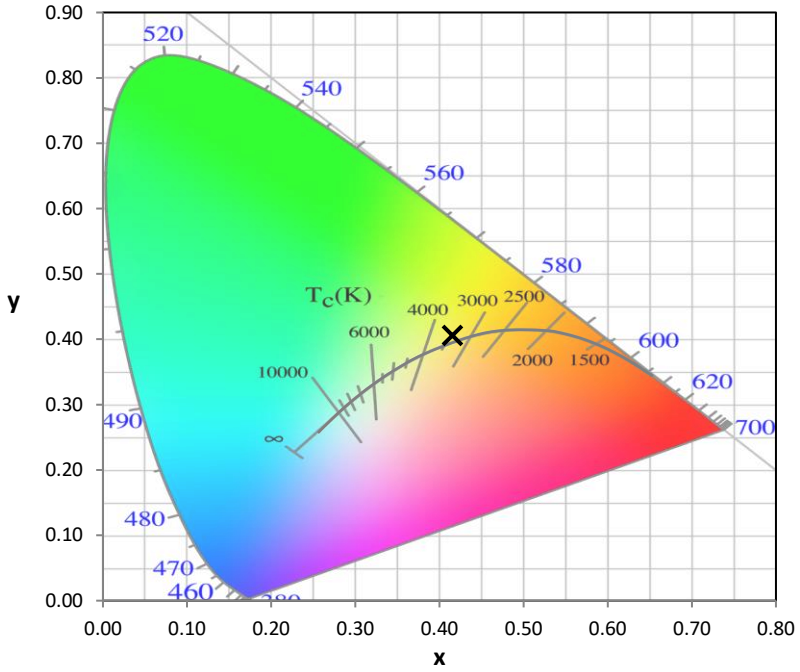
| | |
|---|---|
| Stabilization Time: | 35M |
| Operation Time: | 1H 35M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-10

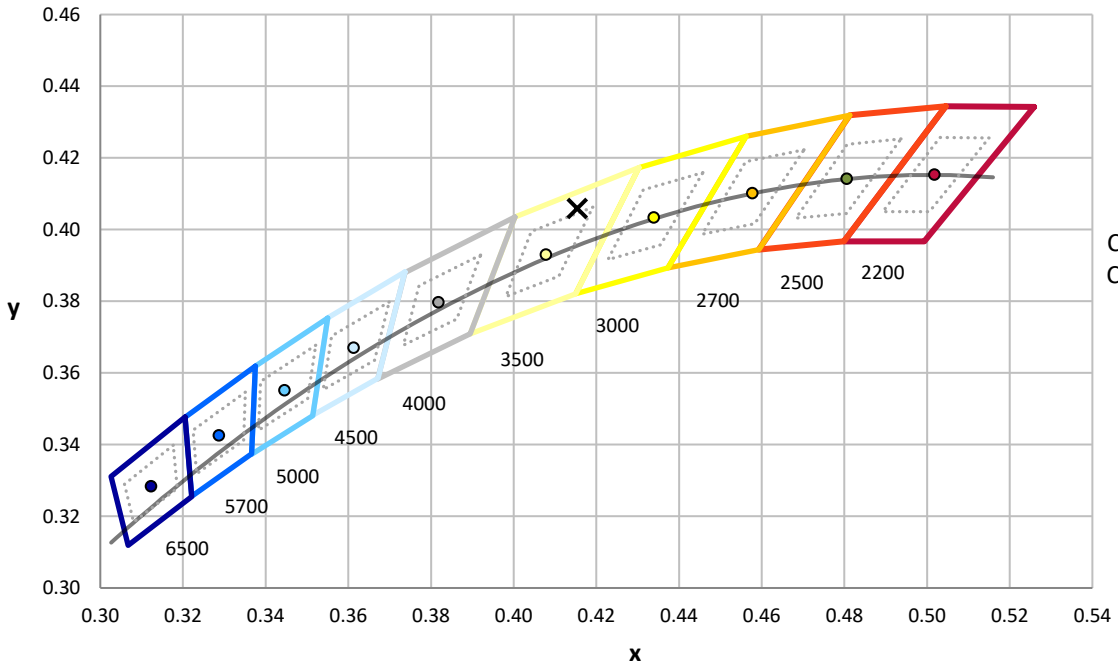
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

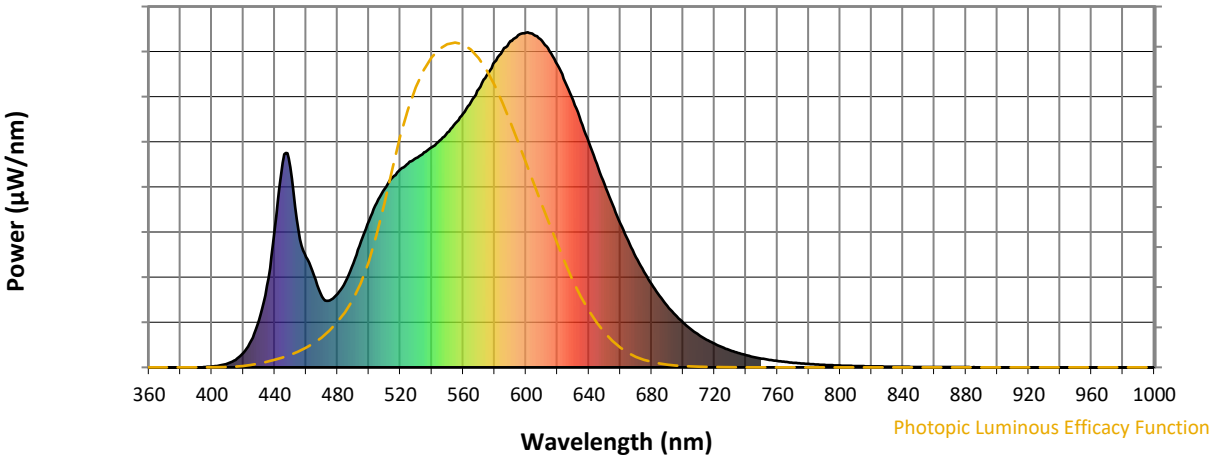



CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

## Photopic Flux vs. Wavelength

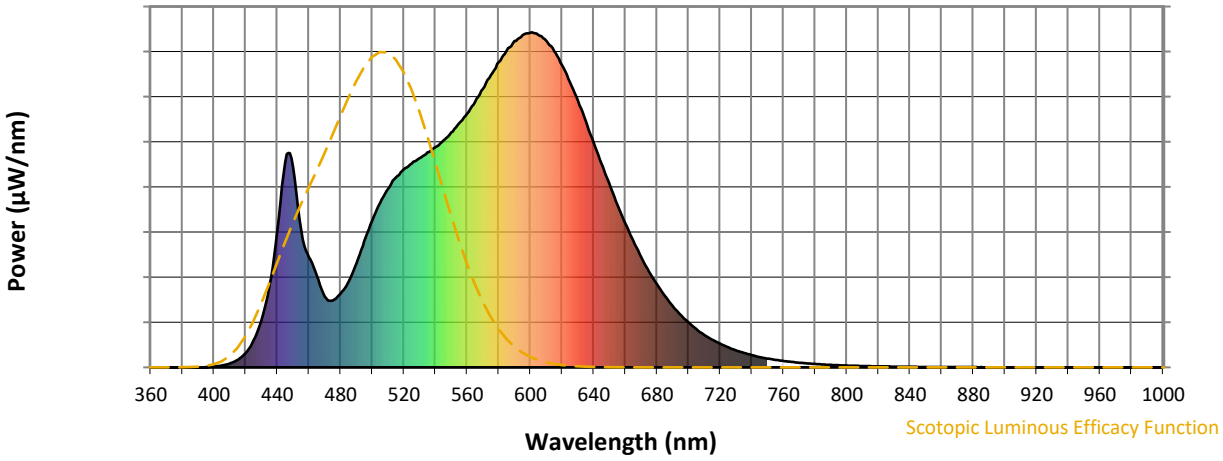



## Photopic Lumens: NR

| 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

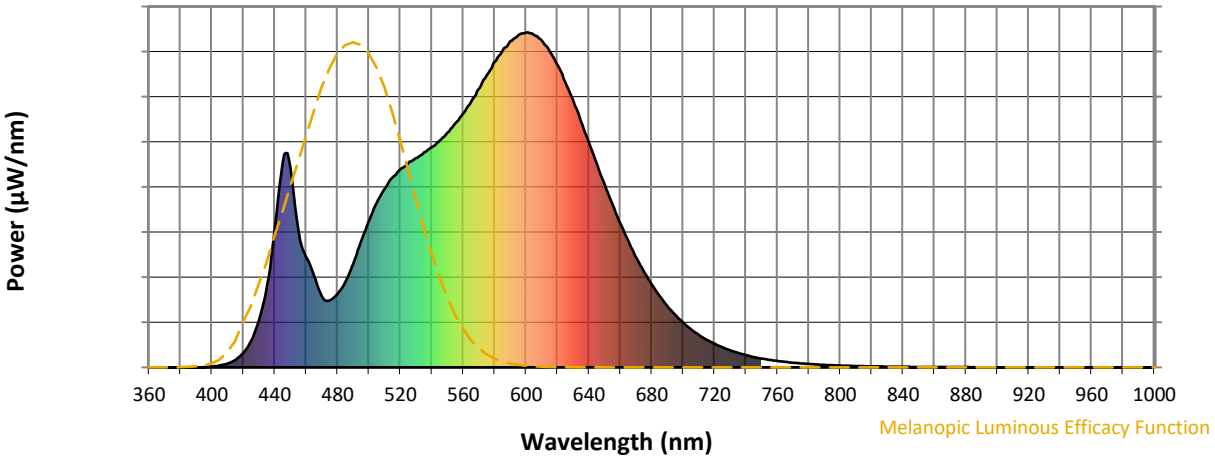



**Scotopic Lumens: NR** **S/P: 1.48**

| 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 | | | |

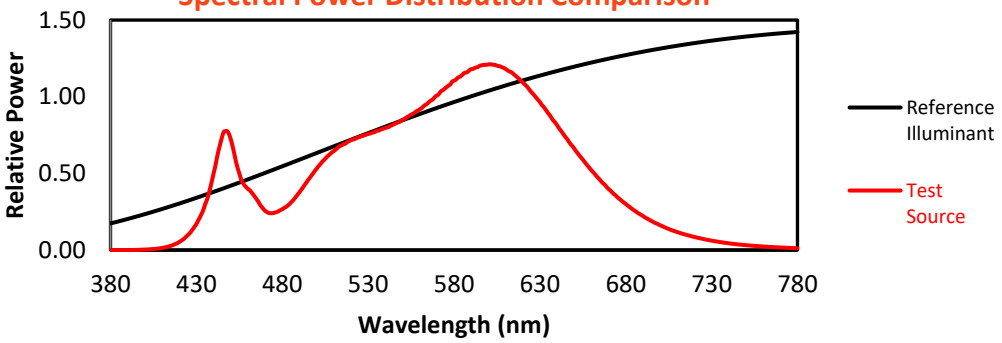
REPORT NUMBER: SP1-2407-184-10

# TM-30-18

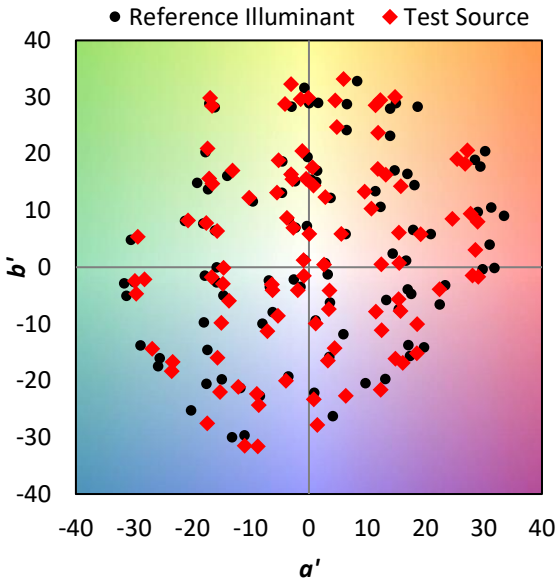
## Summary

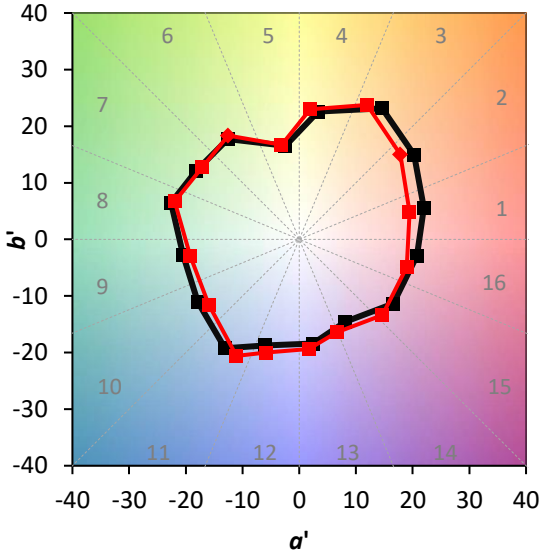
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$R_g$ = 95.9
CIE $R_a$ = 83.5
$R_9$ = 6.3

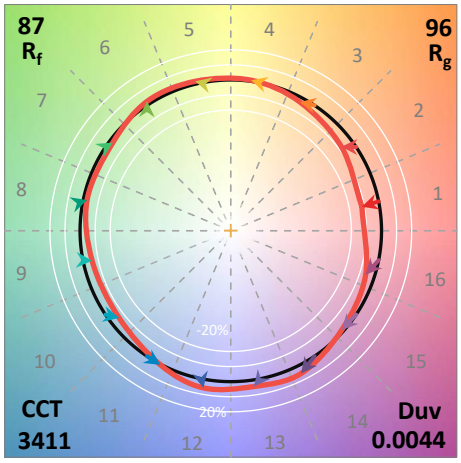
## Spectral Power Distribution Comparison

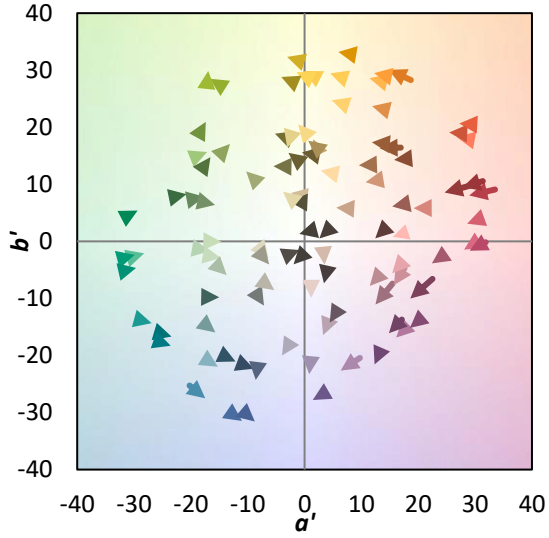



## Color Vector Graphics



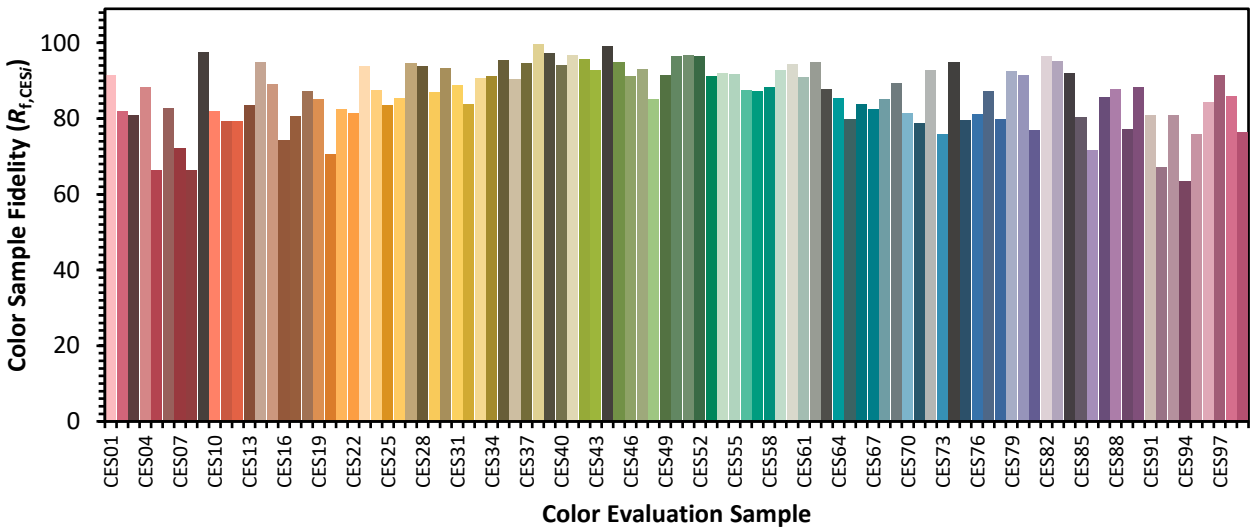



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**Individual Sample Fidelity Index ($R_{f,i}$)**

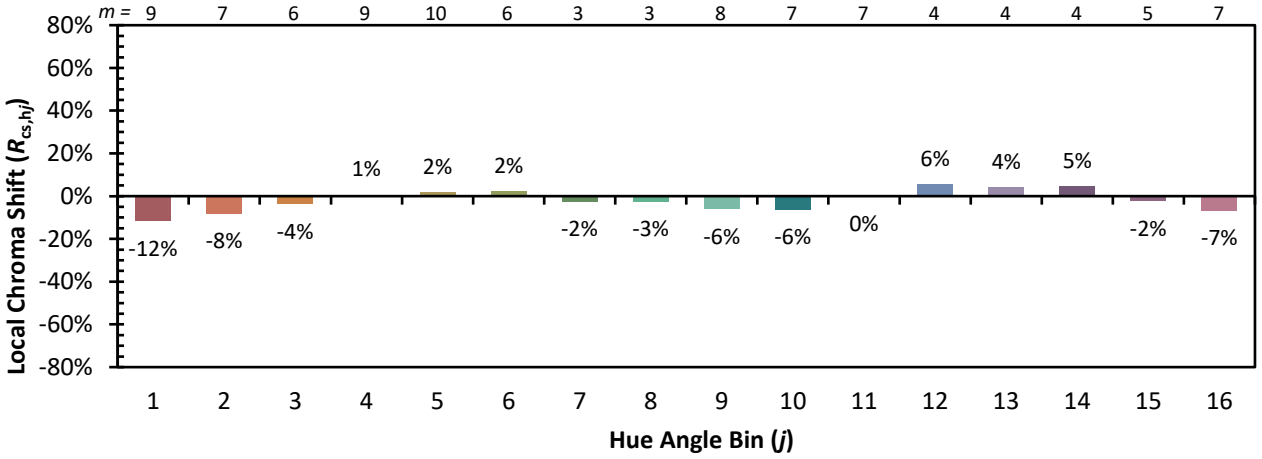
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 85 | CES51 = 97 | CES76 = 81 |
| CES02 = 62 | CES27 = 95 | CES52 = 96 | CES77 = 87 |
| CES03 = 31 | CES28 = 94 | CES53 = 91 | CES78 = 80 |
| CES04 = 70 | CES29 = 87 | CES54 = 92 | CES79 = 93 |
| CES05 = 49 | CES30 = 93 | CES55 = 92 | CES80 = 91 |
| CES06 = 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 | |

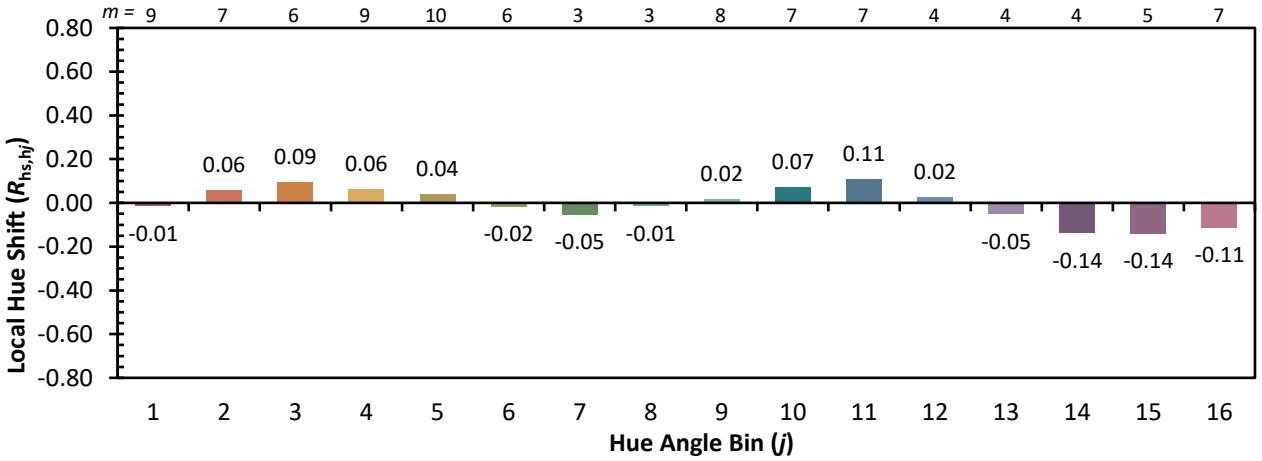


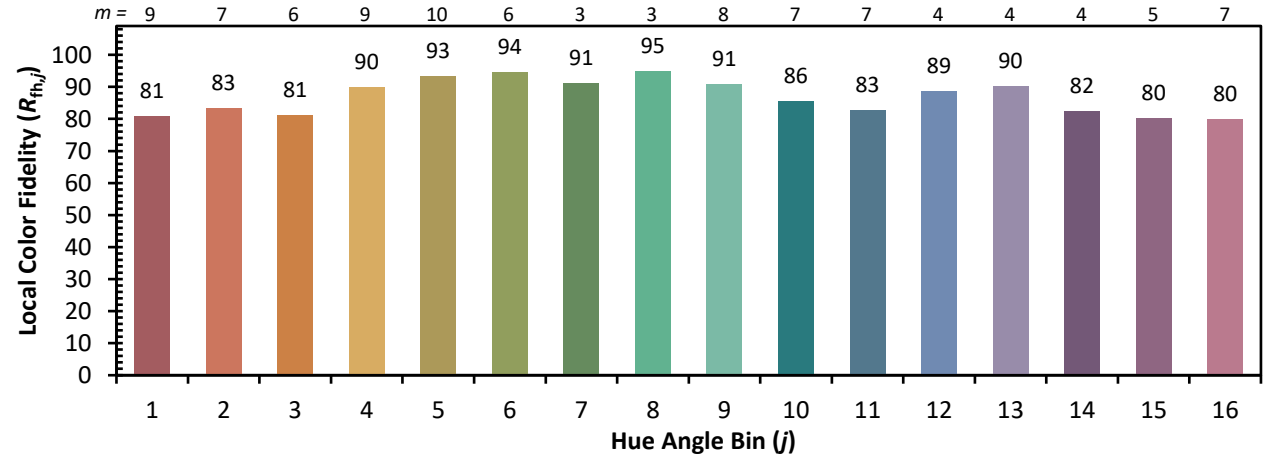
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## Color Rendition by Hue-Angle Bin



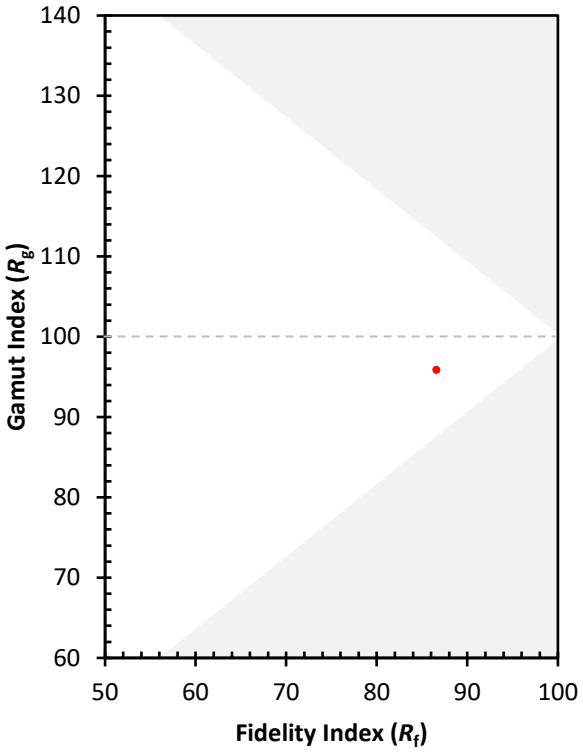



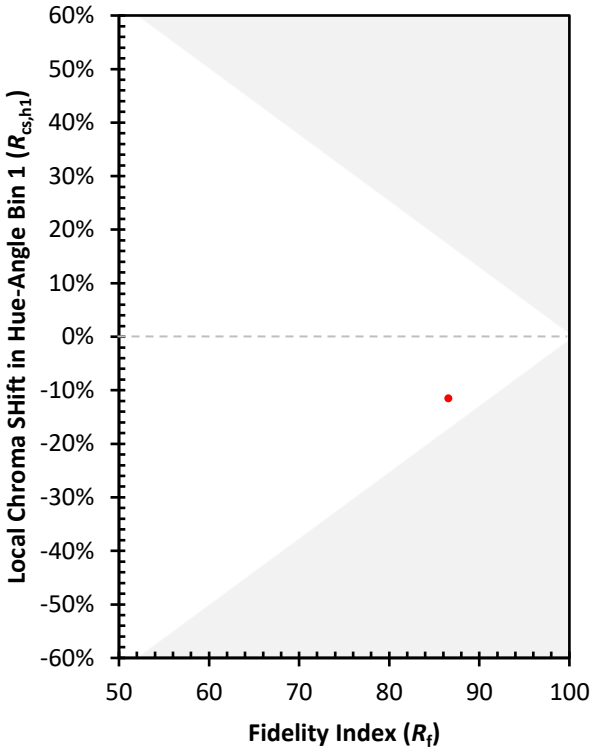



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## Measure Comparisons




(END OF REPORT)