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: P1365000

Luminaire Tested: **GSS-SB5B-735-U-SLL**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1365000 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5B-735-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (130) 3500K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 26006 lumens |
| Efficiency: | N/A |
| Efficacy: | 141.3 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G4 |

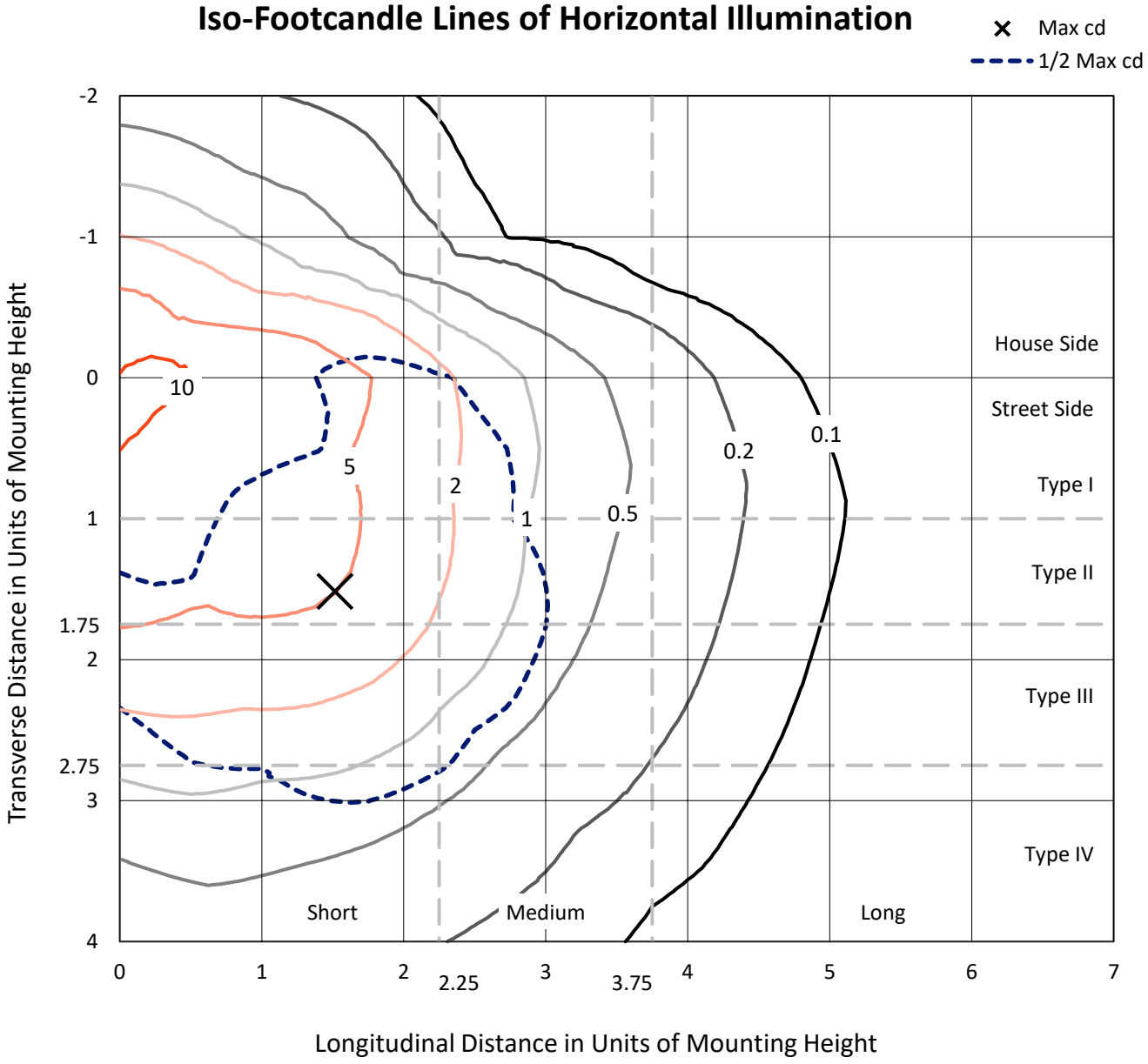
| | |
|---|---|
| Input Watts (W): | 184 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 11.1% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



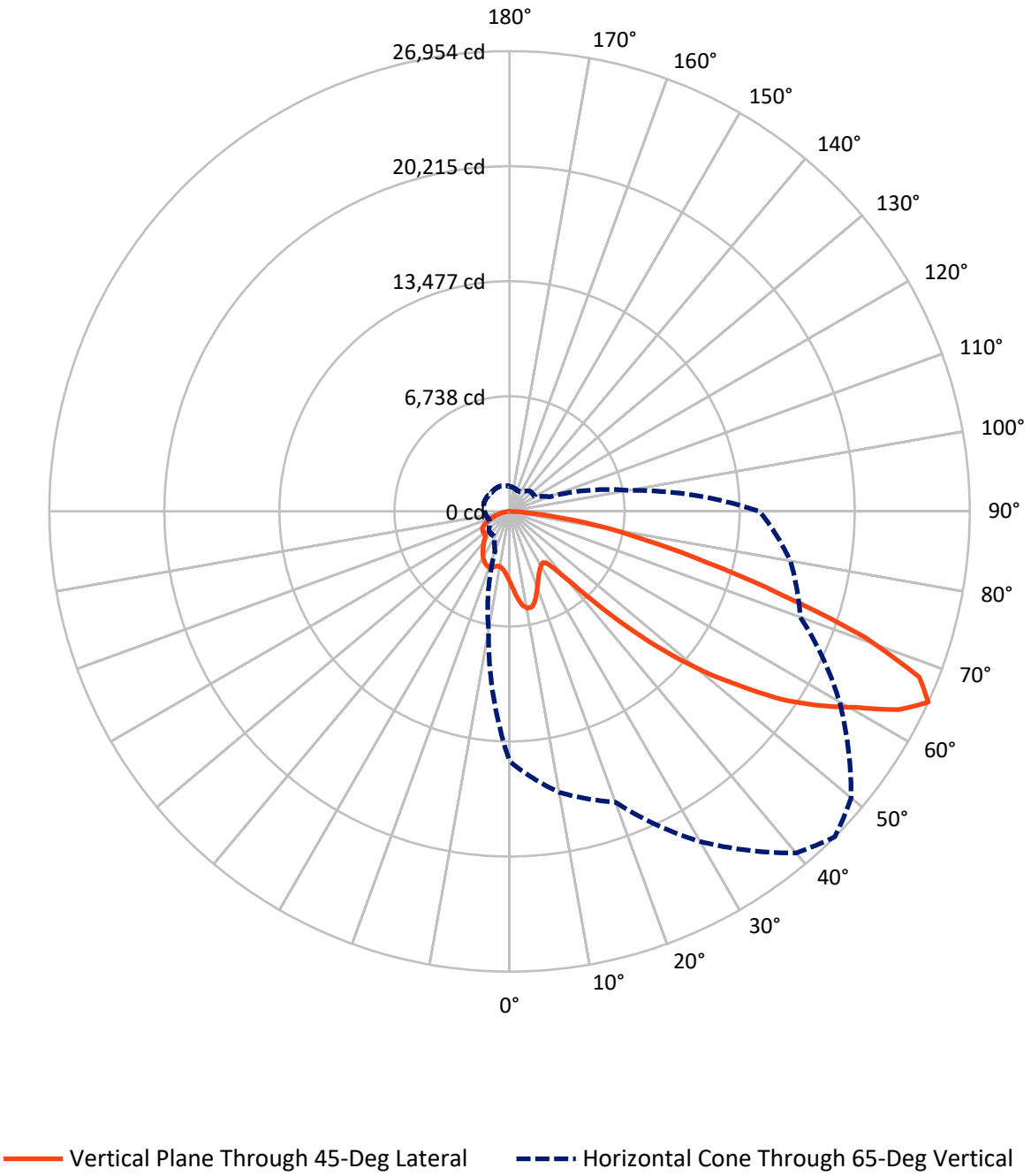

Based on 20 foot mounting height. Maximum calculated value = 13.8 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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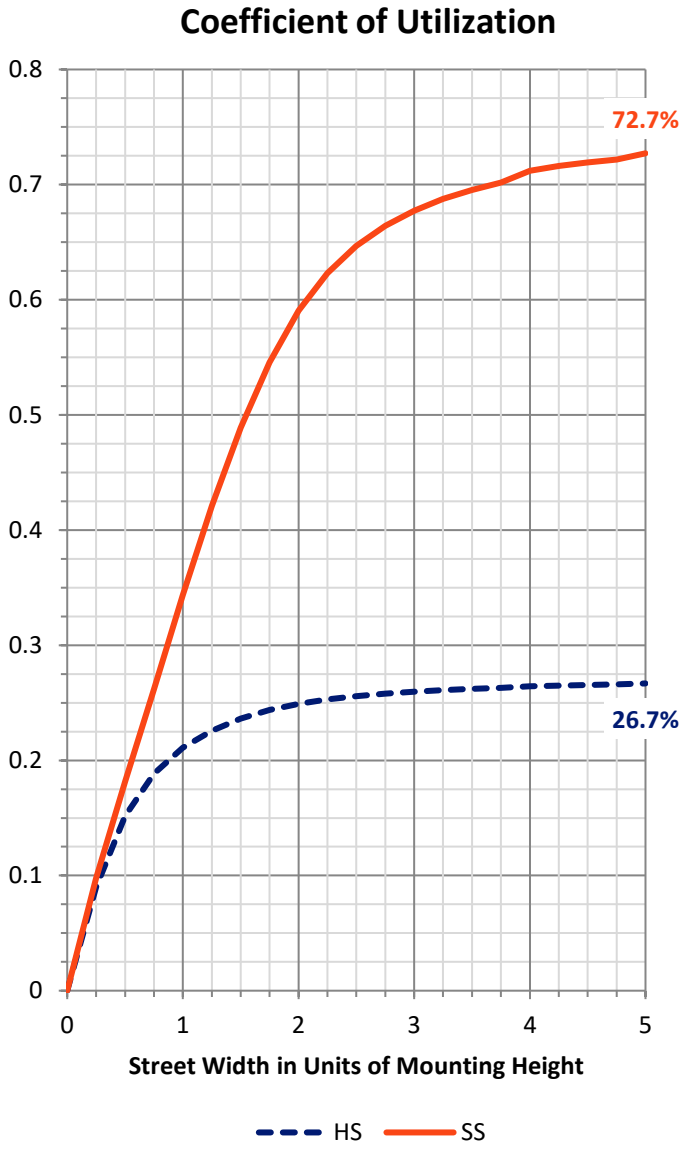
REPORT NUMBER: P1365000
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 6996.2 | 0.0 | 6996.2 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 19009.8 | 0.0 | 19009.8 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 26006.0 | 0.0 | 26006.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 409.5 | 1.6 |
| 10°-20° | 1254.7 | 4.8 |
| 20°-30° | 1941.9 | 7.5 |
| 30°-40° | 2409.3 | 9.3 |
| 40°-50° | 3523.2 | 13.5 |
| 50°-60° | 5518.7 | 21.2 |
| 60°-70° | 6548.3 | 25.2 |
| 70°-80° | 3819.3 | 14.7 |
| 80°-90° | 581.0 | 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° | 26006.0 | 100.0 |
| 0°-180° | 26006.0 | 100.0 |



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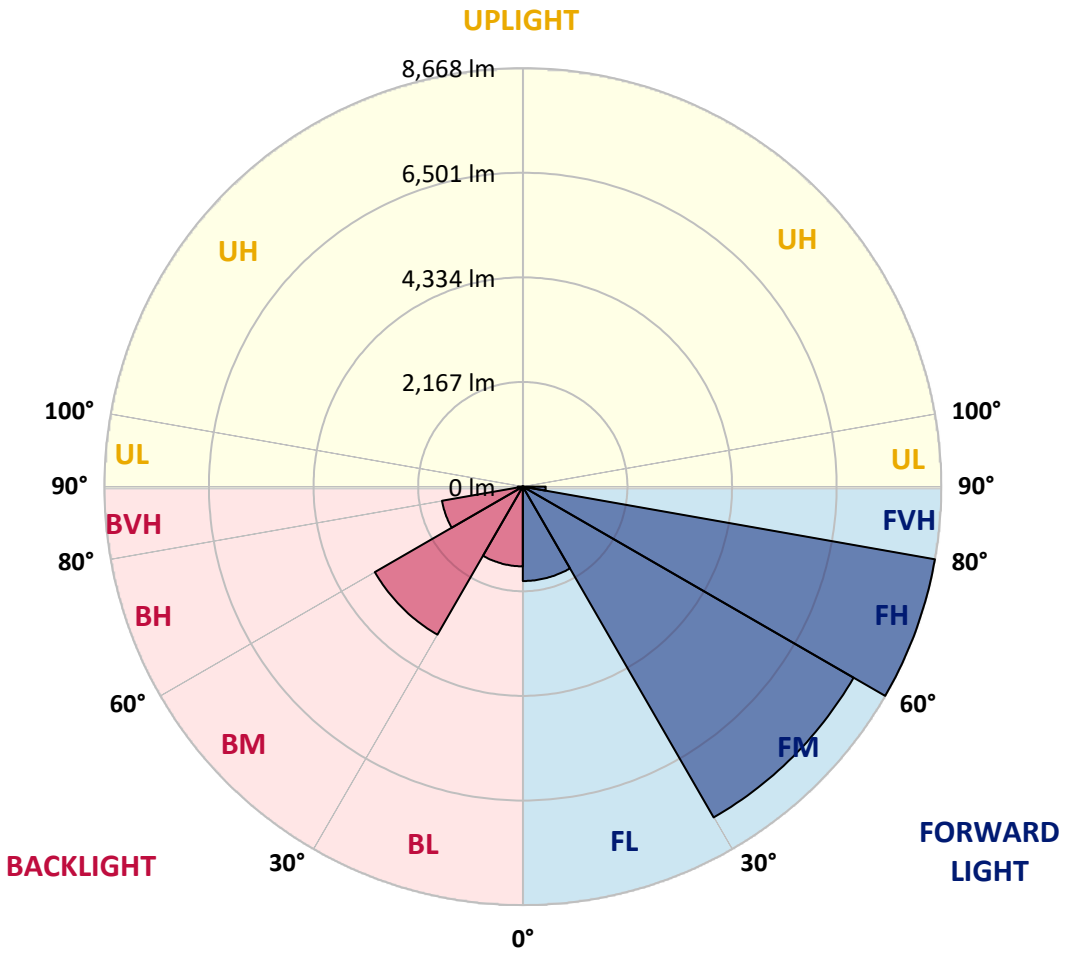
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1954.6 | 7.5 | | | |
| FM | (30°-60°) | 7911.6 | 30.4 | | | |
| FH | (60°-80°) | 8668.5 | 33.3 | | | G4/12000 |
| FVH | (80°-90°) | 475.2 | 1.8 | | | G3/500 |
| BL | (0°-30°) | 1651.6 | 6.4 | B3/2500 | | |
| BM | (30°-60°) | 3539.7 | 13.6 | B3/5000 | | |
| BH | (60°-80°) | 1699.1 | 6.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 105.8 | 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° | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | *4146.7* | 4146.7 |
| 2.5° | 4480.6 | 4496.5 | 4512.4 | 4529.6 | 4547.4 | 4557.6 | 4567.7 | 4578.5 | 4588.7 | *4598.3* | 4588.7 |
| 5° | 4785.9 | 4857.7 | 4929.0 | 4977.3 | 5025.6 | 5062.5 | 5099.4 | 5120.4 | 5142.0 | *5145.2* | 5142.0 |
| 7.5° | 5094.3 | 5179.6 | 5264.8 | 5338.6 | 5412.3 | 5459.4 | 5506.5 | 5533.8 | 5561.8 | *5571.3* | 5561.8 |
| 10° | 5288.3 | 5388.2 | 5488.7 | 5559.9 | 5631.8 | 5675.6 | 5718.9 | 5740.5 | 5762.1 | *5768.5* | 5762.1 |
| 12.5° | 5386.9 | 5482.9 | 5579.0 | 5634.3 | 5689.0 | 5717.0 | 5744.3 | 5754.5 | 5763.4 | *5755.8* | 5763.4 |
| 15° | 5434.6 | 5491.2 | 5547.2 | 5570.7 | 5593.6 | 5580.2 | 5566.2 | 5546.5 | 5526.8 | *5514.1* | 5526.8 |
| 17.5° | 5447.3 | 5467.0 | 5487.4 | 5444.8 | 5402.8 | 5326.5 | 5250.2 | 5192.9 | 5135.7 | *5094.3* | 5135.7 |
| 20° | 5488.7 | 5456.9 | 5425.1 | 5311.8 | 5199.3 | 5056.2 | 4913.1 | 4817.0 | 4720.4 | *4661.9* | 4720.4 |
| 22.5° | 5533.2 | 5443.5 | 5353.8 | 5163.7 | 4973.5 | 4777.6 | 4582.4 | 4471.7 | 4361.7 | *4299.3* | 4361.7 |
| 25° | 5603.1 | 5449.2 | 5294.7 | 5037.7 | 4781.4 | 4551.2 | 4321.6 | 4201.4 | 4081.8 | *4013.1* | 4081.8 |
| 27.5° | 5704.9 | 5469.6 | 5234.3 | 4916.3 | 4598.3 | 4348.9 | 4099.0 | 3984.5 | 3870.0 | *3809.6* | 3870.0 |
| 30° | 5848.0 | 5535.7 | 5222.8 | 4842.5 | 4461.5 | 4200.8 | 3940.0 | 3828.1 | 3715.5 | *3650.6* | 3715.5 |
| 32.5° | 6022.9 | 5628.6 | 5234.3 | 4808.1 | 4382.0 | 4116.2 | 3851.0 | 3743.5 | 3636.6 | *3580.7* | 3636.6 |
| 35° | 6318.6 | 5819.4 | 5320.1 | 4847.6 | 4375.7 | 4128.9 | 3882.8 | 3803.9 | 3725.7 | *3695.1* | 3725.7 |
| 37.5° | 6693.9 | 6110.7 | 5526.8 | 5040.3 | 4553.7 | 4385.8 | 4217.9 | 4217.9 | 4217.9 | *4242.1* | 4217.9 |
| 40° | 7247.2 | 6592.1 | 5937.0 | 5476.6 | 5016.7 | 5006.6 | 4997.7 | 5104.5 | 5212.0 | *5259.7* | 5212.0 |
| 42.5° | 8023.1 | 7330.5 | 6638.5 | 6267.1 | 5895.7 | 6118.3 | 6340.9 | 6650.0 | 6959.1 | *7161.3* | 6959.1 |
| 45° | 8986.6 | 8312.5 | 7638.3 | 7378.8 | 7120.0 | 7615.4 | 8110.2 | 8656.6 | 9202.9 | *9590.8* | 9202.9 |
| 47.5° | 9908.8 | 9341.5 | 8773.6 | 8625.4 | 8477.8 | 9301.5 | 10125.1 | 10925.8 | 11726.5 | *12198.4* | 11726.5 |
| 50° | 10977.3 | 10467.2 | 9956.5 | 9927.9 | 9899.3 | 10996.4 | 12093.5 | 13127.0 | 14160.5 | *14736.1* | 14160.5 |
| 52.5° | 12347.9 | 11787.6 | 11226.6 | 11249.5 | 11271.1 | 12574.3 | 13877.5 | 15127.2 | 16376.9 | *17025.6* | 16376.9 |
| 55° | 13985.6 | 13282.8 | 12580.0 | 12576.2 | 12572.4 | 14069.5 | 15567.9 | 17103.2 | 18639.8 | *19506.0* | 18639.8 |
| 57.5° | 15655.1 | 14996.8 | 14338.6 | 14182.1 | 14025.0 | 15590.8 | 17156.0 | 18851.6 | 20547.8 | *21458.5* | 20547.8 |
| 60° | 16908.0 | 16545.5 | 16182.9 | 15932.4 | 15682.4 | 17290.2 | 18898.7 | 20650.2 | 22401.1 | *23309.3* | 22401.1 |
| 62.5° | 16389.6 | 17037.7 | 17685.8 | 17667.4 | 17648.9 | 19384.6 | 21120.2 | 22941.7 | 24764.5 | *25579.8* | 24764.5 |
| 65° | *14640.7* | *15674.1* | *16707.6* | *17418.7* | *18129.1* | *20227.3* | *22324.8* | *24222.6* | *26120.4* | *26953.6* | *26120.4* |
| 67.5° | 12999.8 | 13910.5 | 14821.9 | 15403.8 | 15985.8 | 18349.8 | 20714.4 | 22867.9 | 25021.4 | *25878.7* | 25021.4 |
| 70° | 11428.9 | 12437.6 | 13446.2 | 13862.2 | 14278.1 | 16286.6 | 18294.5 | 19998.3 | 21701.5 | *22037.3* | 21701.5 |
| 72.5° | 9810.3 | 11009.7 | 12209.9 | 12386.0 | 12562.2 | 14023.7 | 15485.3 | 16392.8 | 17300.4 | *16567.7* | 17300.4 |
| 75° | 8032.6 | 9386.0 | 10738.8 | 10856.5 | 10974.1 | 11429.5 | 11885.5 | 12116.4 | 12347.9 | *11931.3* | 12347.9 |
| 77.5° | 5342.4 | 6513.9 | 7686.0 | 7950.0 | 8213.9 | 8517.3 | 8821.3 | 8805.4 | 8789.5 | *8204.4* | 8789.5 |
| 80° | 3135.5 | 4051.9 | 4968.4 | 5002.8 | 5037.1 | 5264.8 | 5491.8 | 5724.0 | 5956.1 | *5584.1* | 5956.1 |
| 82.5° | 1567.7 | 2070.8 | 2574.5 | 2652.1 | 2729.7 | 2869.0 | 3008.3 | 3073.1 | 3138.6 | *2823.8* | 3138.6 |
| 85° | 356.2 | 487.2 | 618.2 | 744.8 | 871.3 | 1017.6 | 1163.9 | 1147.3 | 1130.8 | *954.0* | 1130.8 |
| 87.5° | 28.6 | 29.3 | 30.5 | 31.2 | 31.8 | 32.4 | 33.1 | 35.0 | 36.9 | *38.2* | 36.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | *0.0* | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 |
| 2.5° | 4578.5 | 4567.7 | 4557.6 | 4547.4 | 4529.6 | 4512.4 | 4496.5 | 4480.6 | 4439.9 | 4399.8 | 4362.9 |
| 5° | 5120.4 | 5099.4 | 5062.5 | 5025.6 | 4977.3 | 4929.0 | 4857.7 | 4785.9 | 4714.0 | 4642.8 | 4567.7 |
| 7.5° | 5533.8 | 5506.5 | 5459.4 | 5412.3 | 5338.6 | 5264.8 | 5179.6 | 5094.3 | 4973.5 | 4852.7 | 4738.8 |
| 10° | 5740.5 | 5718.9 | 5675.6 | 5631.8 | 5559.9 | 5488.7 | 5388.2 | 5288.3 | 5143.9 | 4998.9 | 4857.7 |
| 12.5° | 5754.5 | 5744.3 | 5717.0 | 5689.0 | 5634.3 | 5579.0 | 5482.9 | 5386.9 | 5243.2 | 5099.4 | 4941.1 |
| 15° | 5546.5 | 5566.2 | 5580.2 | 5593.6 | 5570.7 | 5547.2 | 5491.2 | 5434.6 | 5289.0 | 5143.9 | 4983.0 |
| 17.5° | 5192.9 | 5250.2 | 5326.5 | 5402.8 | 5444.8 | 5487.4 | 5467.0 | 5447.3 | 5311.2 | 5175.7 | 5004.0 |
| 20° | 4817.0 | 4913.1 | 5056.2 | 5199.3 | 5311.8 | 5425.1 | 5456.9 | 5488.7 | 5351.3 | 5213.9 | 5029.5 |
| 22.5° | 4471.7 | 4582.4 | 4777.6 | 4973.5 | 5163.7 | 5353.8 | 5443.5 | 5533.2 | 5407.2 | 5282.0 | 5079.1 |
| 25° | 4201.4 | 4321.6 | 4551.2 | 4781.4 | 5037.7 | 5294.7 | 5449.2 | 5603.1 | 5494.4 | 5385.6 | 5164.3 |
| 27.5° | 3984.5 | 4099.0 | 4348.9 | 4598.3 | 4916.3 | 5234.3 | 5469.6 | 5704.9 | 5621.6 | 5538.3 | 5289.0 |
| 30° | 3828.1 | 3940.0 | 4200.8 | 4461.5 | 4842.5 | 5222.8 | 5535.7 | 5848.0 | 5782.5 | 5717.6 | 5436.5 |
| 32.5° | 3743.5 | 3851.0 | 4116.2 | 4382.0 | 4808.1 | 5234.3 | 5628.6 | 6022.9 | 5982.2 | 5941.5 | 5610.1 |
| 35° | 3803.9 | 3882.8 | 4128.9 | 4375.7 | 4847.6 | 5320.1 | 5819.4 | 6318.6 | 6267.8 | 6216.9 | 5794.6 |
| 37.5° | 4217.9 | 4217.9 | 4385.8 | 4553.7 | 5040.3 | 5526.8 | 6110.7 | 6693.9 | 6633.4 | 6573.0 | 6019.7 |
| 40° | 5104.5 | 4997.7 | 5006.6 | 5016.7 | 5476.6 | 5937.0 | 6592.1 | 7247.2 | 7128.3 | 7008.7 | 6277.3 |
| 42.5° | 6650.0 | 6340.9 | 6118.3 | 5895.7 | 6267.1 | 6638.5 | 7330.5 | 8023.1 | 7771.2 | 7518.8 | 6562.2 |
| 45° | 8656.6 | 8110.2 | 7615.4 | 7120.0 | 7378.8 | 7638.3 | 8312.5 | 8986.6 | 8582.8 | 8178.9 | 6948.9 |
| 47.5° | 10925.8 | 10125.1 | 9301.5 | 8477.8 | 8625.4 | 8773.6 | 9341.5 | 9908.8 | 9397.5 | 8886.2 | 7346.4 |
| 50° | 13127.0 | 12093.5 | 10996.4 | 9899.3 | 9927.9 | 9956.5 | 10467.2 | 10977.3 | 10284.1 | 9590.8 | 7693.0 |
| 52.5° | 15127.2 | 13877.5 | 12574.3 | 11271.1 | 11249.5 | 11226.6 | 11787.6 | 12347.9 | 11247.0 | 10145.4 | 7857.1 |
| 55° | 17103.2 | 15567.9 | 14069.5 | 12572.4 | 12576.2 | 12580.0 | 13282.8 | 13985.6 | 12214.3 | 10443.1 | 7813.9 |
| 57.5° | 18851.6 | 17156.0 | 15590.8 | 14025.0 | 14182.1 | 14338.6 | 14996.8 | 15655.1 | 13026.5 | 10398.6 | 7577.9 |
| 60° | 20650.2 | 18898.7 | 17290.2 | 15682.4 | 15932.4 | 16182.9 | 16545.5 | 16908.0 | 13390.3 | 9871.9 | 7012.5 |
| 62.5° | 22941.7 | 21120.2 | 19384.6 | 17648.9 | 17667.4 | 17685.8 | 17037.7 | 16389.6 | 12583.2 | 8776.8 | 6085.9 |
| 65° | *24222.6* | *22324.8* | *20227.3* | *18129.1* | *17418.7* | *16707.6* | *15674.1* | *14640.7* | *10853.3* | *7065.9* | *4773.8* |
| 67.5° | 22867.9 | 20714.4 | 18349.8 | 15985.8 | 15403.8 | 14821.9 | 13910.5 | 12999.8 | 9321.2 | 5642.6 | 3714.9 |
| 70° | 19998.3 | 18294.5 | 16286.6 | 14278.1 | 13862.2 | 13446.2 | 12437.6 | 11428.9 | 7918.8 | 4408.7 | 2846.7 |
| 72.5° | 16392.8 | 15485.3 | 14023.7 | 12562.2 | 12386.0 | 12209.9 | 11009.7 | 9810.3 | 6575.6 | 3340.3 | 2140.1 |
| 75° | 12116.4 | 11885.5 | 11429.5 | 10974.1 | 10856.5 | 10738.8 | 9386.0 | 8032.6 | 5250.2 | 2467.7 | 1586.2 |
| 77.5° | 8805.4 | 8821.3 | 8517.3 | 8213.9 | 7950.0 | 7686.0 | 6513.9 | 5342.4 | 3444.6 | 1546.7 | 1025.2 |
| 80° | 5724.0 | 5491.8 | 5264.8 | 5037.1 | 5002.8 | 4968.4 | 4051.9 | 3135.5 | 1974.8 | 814.1 | 566.7 |
| 82.5° | 3073.1 | 3008.3 | 2869.0 | 2729.7 | 2652.1 | 2574.5 | 2070.8 | 1567.7 | 989.6 | 412.1 | 304.6 |
| 85° | 1147.3 | 1163.9 | 1017.6 | 871.3 | 744.8 | 618.2 | 487.2 | 356.2 | 235.3 | 114.5 | 96.7 |
| 87.5° | 35.0 | 33.1 | 32.4 | 31.8 | 31.2 | 30.5 | 29.3 | 28.6 | 28.0 | 26.7 | 26.1 |
| 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-SB5B-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 |
| 2.5° | 4326.1 | 4289.2 | 4251.6 | 4216.0 | 4179.8 | 4143.5 | 4111.7 | 4077.4 | 4043.7 | 4017.0 | 3990.9 |
| 5° | 4493.3 | 4420.2 | 4347.0 | 4277.7 | 4209.0 | 4137.2 | 4075.5 | 4014.4 | 3954.6 | 3905.0 | 3855.4 |
| 7.5° | 4625.0 | 4523.2 | 4421.5 | 4330.5 | 4238.9 | 4143.5 | 4069.1 | 3994.7 | 3920.9 | 3856.7 | 3791.8 |
| 10° | 4715.9 | 4590.6 | 4464.7 | 4359.8 | 4254.8 | 4153.1 | 4073.6 | 3995.3 | 3917.7 | 3851.6 | 3785.5 |
| 12.5° | 4782.7 | 4642.1 | 4501.6 | 4385.8 | 4270.7 | 4159.4 | 4081.8 | 4017.0 | 3952.7 | 3906.3 | 3860.5 |
| 15° | 4822.1 | 4670.8 | 4518.8 | 4388.4 | 4258.0 | 4134.0 | 4065.3 | 4023.3 | 3981.3 | 3977.5 | 3973.7 |
| 17.5° | 4832.3 | 4659.3 | 4487.0 | 4335.0 | 4183.6 | 4038.6 | 3980.1 | 3974.3 | 3968.6 | 4031.6 | 4094.5 |
| 20° | 4845.0 | 4642.1 | 4439.3 | 4239.6 | 4039.9 | 3847.8 | 3810.9 | 3847.1 | 3882.8 | 4006.1 | 4128.9 |
| 22.5° | 4876.8 | 4628.8 | 4380.7 | 4130.2 | 3879.6 | 3650.6 | 3615.6 | 3669.1 | 3721.9 | 3882.8 | 4043.7 |
| 25° | 4943.0 | 4627.5 | 4312.1 | 3999.8 | 3687.5 | 3424.8 | 3421.7 | 3479.5 | 3537.4 | 3686.2 | 3835.1 |
| 27.5° | 5040.3 | 4639.6 | 4238.9 | 3866.2 | 3492.9 | 3224.5 | 3240.4 | 3295.7 | 3351.7 | 3462.4 | 3573.0 |
| 30° | 5154.8 | 4665.7 | 4177.2 | 3749.8 | 3323.1 | 3062.3 | 3079.5 | 3122.7 | 3166.0 | 3246.1 | 3326.3 |
| 32.5° | 5278.8 | 4694.9 | 4111.7 | 3648.1 | 3185.1 | 2944.7 | 2944.7 | 2963.1 | 2981.6 | 3033.7 | 3085.9 |
| 35° | 5372.9 | 4687.9 | 4003.6 | 3532.3 | 3060.4 | 2874.7 | 2835.3 | 2820.0 | 2804.7 | 2839.1 | 2873.4 |
| 37.5° | 5466.4 | 4668.2 | 3870.0 | 3403.9 | 2938.3 | 2792.0 | 2717.0 | 2676.3 | 2634.3 | 2650.8 | 2666.1 |
| 40° | 5545.9 | 4623.7 | 3701.5 | 3250.6 | 2799.7 | 2683.9 | 2589.8 | 2528.7 | 2467.7 | 2466.4 | 2464.5 |
| 42.5° | 5604.4 | 4546.7 | 3488.4 | 3068.0 | 2647.0 | 2566.2 | 2449.9 | 2372.3 | 2294.7 | 2286.4 | 2278.1 |
| 45° | 5718.9 | 4494.0 | 3269.0 | 2882.3 | 2496.3 | 2423.1 | 2307.4 | 2227.3 | 2148.4 | 2135.7 | 2123.0 |
| 47.5° | 5806.7 | 4432.3 | 3057.9 | 2697.9 | 2339.2 | 2254.6 | 2146.5 | 2078.4 | 2009.8 | 2002.1 | 1993.9 |
| 50° | 5795.2 | 4327.3 | 2858.8 | 2533.8 | 2208.2 | 2092.4 | 1985.6 | 1929.6 | 1873.0 | 1882.6 | 1892.1 |
| 52.5° | 5568.2 | 4112.4 | 2657.2 | 2386.3 | 2116.6 | 1968.4 | 1853.9 | 1812.0 | 1769.3 | 1799.2 | 1828.5 |
| 55° | 5184.6 | 3827.4 | 2468.9 | 2262.9 | 2055.5 | 1908.0 | 1773.2 | 1726.1 | 1679.0 | 1721.0 | 1763.0 |
| 57.5° | 4757.3 | 3529.1 | 2301.0 | 2158.6 | 2016.1 | 1892.1 | 1726.7 | 1660.6 | 1595.1 | 1637.1 | 1679.0 |
| 60° | 4153.1 | 3152.0 | 2150.9 | 2051.1 | 1951.2 | 1853.9 | 1688.6 | 1605.9 | 1523.2 | 1551.2 | 1578.5 |
| 62.5° | 3395.0 | 2673.7 | 1952.5 | 1896.5 | 1841.2 | 1799.9 | 1642.1 | 1534.0 | 1425.9 | 1429.7 | 1432.3 |
| 65° | *2481.7* | *2101.3* | *1720.4* | *1708.3* | *1696.8* | *1685.4* | *1555.0* | *1438.6* | *1322.9* | *1310.2* | *1297.4* |
| 67.5° | 1787.2 | 1606.5 | 1425.9 | 1459.6 | 1493.3 | 1510.5 | 1421.5 | 1319.1 | 1216.0 | 1190.0 | 1163.9 |
| 70° | 1284.7 | 1221.1 | 1157.5 | 1207.8 | 1258.0 | 1252.9 | 1209.7 | 1148.6 | 1087.6 | 1071.0 | 1054.5 |
| 72.5° | 940.0 | 938.7 | 938.1 | 976.3 | 1014.4 | 963.5 | 990.9 | 976.9 | 963.5 | 951.5 | 940.0 |
| 75° | 704.7 | 700.2 | 696.4 | 741.6 | 787.4 | 807.7 | 825.5 | 817.9 | 810.9 | 802.0 | 793.7 |
| 77.5° | 503.7 | 507.5 | 510.1 | 559.7 | 609.3 | 667.8 | 671.0 | 654.4 | 637.3 | 628.4 | 618.2 |
| 80° | 319.3 | 323.1 | 325.6 | 377.8 | 429.3 | 512.0 | 508.8 | 488.4 | 467.5 | 460.5 | 452.8 |
| 82.5° | 197.2 | 197.8 | 198.4 | 223.9 | 249.3 | 295.7 | 308.5 | 308.5 | 308.5 | 304.0 | 298.9 |
| 85° | 79.5 | 83.3 | 87.8 | 104.3 | 120.8 | 146.3 | 153.9 | 155.2 | 155.8 | 148.8 | 141.2 |
| 87.5° | 25.4 | 26.7 | 28.6 | 31.8 | 35.0 | 38.2 | 44.5 | 48.3 | 52.2 | 56.0 | 58.5 |
| 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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Peachtree City, GA 30269

Scaled Data Report

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**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 |
| 2.5° | 3968.0 | 3944.5 | 3917.1 | 3889.1 | 3869.4 | 3849.1 | 3835.7 | 3822.3 | 3816.0 | 3809.6 | 3804.5 |
| 5° | 3814.7 | 3772.7 | 3735.8 | 3698.3 | 3669.1 | 3639.2 | 3615.0 | 3590.2 | 3580.0 | 3569.2 | 3562.2 |
| 7.5° | 3737.1 | 3682.4 | 3636.6 | 3590.2 | 3546.3 | 3503.1 | 3475.1 | 3447.1 | 3430.6 | 3414.0 | 3401.9 |
| 10° | 3727.6 | 3669.7 | 3609.3 | 3548.9 | 3500.5 | 3452.2 | 3410.2 | 3369.5 | 3346.0 | 3323.1 | 3310.4 |
| 12.5° | 3807.1 | 3753.7 | 3681.8 | 3609.3 | 3543.8 | 3478.9 | 3427.4 | 3375.9 | 3346.6 | 3318.6 | 3299.6 |
| 15° | 3955.3 | 3936.8 | 3870.0 | 3803.3 | 3713.0 | 3622.0 | 3548.2 | 3473.8 | 3433.1 | 3391.1 | 3367.6 |
| 17.5° | 4130.8 | 4167.1 | 4120.6 | 4073.6 | 3946.4 | 3819.2 | 3709.1 | 3599.7 | 3540.0 | 3480.2 | 3459.2 |
| 20° | 4226.8 | 4324.8 | 4319.7 | 4315.2 | 4149.2 | 3982.6 | 3838.2 | 3693.9 | 3613.7 | 3534.9 | 3503.1 |
| 22.5° | 4184.9 | 4326.1 | 4362.3 | 4397.9 | 4235.1 | 4071.7 | 3893.6 | 3715.5 | 3621.4 | 3526.6 | 3496.7 |
| 25° | 3987.1 | 4139.1 | 4206.5 | 4273.9 | 4139.7 | 4005.5 | 3832.5 | 3660.2 | 3560.9 | 3461.1 | 3430.6 |
| 27.5° | 3695.1 | 3817.3 | 3892.9 | 3968.6 | 3886.6 | 3804.5 | 3664.6 | 3524.7 | 3436.9 | 3348.5 | 3316.1 |
| 30° | 3408.9 | 3491.6 | 3552.0 | 3612.5 | 3558.4 | 3504.3 | 3403.9 | 3304.0 | 3238.5 | 3173.6 | 3153.3 |
| 32.5° | 3147.5 | 3208.6 | 3242.3 | 3275.4 | 3233.4 | 3191.4 | 3125.3 | 3059.1 | 3018.4 | 2977.7 | 2964.4 |
| 35° | 2923.0 | 2973.3 | 2998.7 | 3024.2 | 2989.2 | 2954.2 | 2895.1 | 2836.5 | 2807.3 | 2778.0 | 2767.2 |
| 37.5° | 2708.7 | 2750.7 | 2786.9 | 2823.8 | 2798.4 | 2772.9 | 2722.7 | 2672.5 | 2638.1 | 2602.5 | 2583.4 |
| 40° | 2505.2 | 2545.3 | 2591.1 | 2636.2 | 2631.8 | 2626.7 | 2579.0 | 2531.3 | 2481.7 | 2432.7 | 2406.6 |
| 42.5° | 2318.2 | 2358.3 | 2406.6 | 2454.9 | 2464.5 | 2474.0 | 2434.6 | 2394.5 | 2337.3 | 2280.0 | 2240.0 |
| 45° | 2157.3 | 2192.9 | 2245.7 | 2299.1 | 2321.4 | 2343.6 | 2308.0 | 2271.8 | 2207.5 | 2143.3 | 2095.6 |
| 47.5° | 2030.1 | 2067.0 | 2125.5 | 2184.6 | 2208.2 | 2232.3 | 2208.2 | 2184.6 | 2129.3 | 2073.4 | 2031.4 |
| 50° | 1932.2 | 1971.6 | 2017.4 | 2063.8 | 2107.7 | 2150.9 | 2146.5 | 2142.0 | 2098.2 | 2054.3 | 2014.8 |
| 52.5° | 1864.7 | 1901.6 | 1949.3 | 1997.0 | 2042.8 | 2089.3 | 2096.2 | 2103.9 | 2072.1 | 2040.3 | 2005.9 |
| 55° | 1806.9 | 1850.8 | 1895.3 | 1939.8 | 1983.0 | 2025.7 | 2035.2 | 2044.7 | 2021.8 | 1998.3 | 1972.9 |
| 57.5° | 1726.7 | 1774.4 | 1819.0 | 1863.5 | 1913.7 | 1964.0 | 1971.6 | 1979.2 | 1955.1 | 1930.3 | 1911.2 |
| 60° | 1627.5 | 1675.9 | 1722.3 | 1768.1 | 1819.0 | 1869.8 | 1880.0 | 1890.2 | 1871.1 | 1852.0 | 1834.2 |
| 62.5° | 1487.6 | 1542.3 | 1580.5 | 1618.6 | 1666.9 | 1715.9 | 1730.5 | 1745.8 | 1736.9 | 1728.6 | 1708.3 |
| 65° | *1349.6* | *1402.4* | *1432.3* | *1462.8* | *1504.8* | *1546.7* | *1561.4* | *1576.0* | *1571.5* | *1567.7* | *1553.1* |
| 67.5° | 1212.2 | 1260.5 | 1285.4 | 1310.2 | 1338.8 | 1367.4 | 1383.9 | 1400.5 | 1392.2 | 1383.3 | 1368.0 |
| 70° | 1093.9 | 1133.3 | 1155.0 | 1176.6 | 1199.5 | 1222.4 | 1231.3 | 1240.2 | 1227.5 | 1214.8 | 1180.4 |
| 72.5° | 969.9 | 999.8 | 1018.2 | 1036.7 | 1058.3 | 1079.9 | 1085.0 | 1090.7 | 1071.0 | 1050.7 | 1010.6 |
| 75° | 816.6 | 839.5 | 853.5 | 868.1 | 890.4 | 912.7 | 922.2 | 931.7 | 903.8 | 876.4 | 833.8 |
| 77.5° | 639.2 | 660.2 | 673.5 | 686.9 | 705.3 | 723.8 | 726.3 | 730.1 | 706.0 | 681.8 | 656.3 |
| 80° | 468.1 | 483.4 | 488.4 | 492.9 | 508.2 | 522.8 | 522.8 | 522.8 | 505.0 | 486.5 | 473.8 |
| 82.5° | 295.7 | 292.6 | 286.2 | 279.8 | 295.1 | 310.4 | 315.5 | 321.2 | 312.9 | 305.3 | 291.3 |
| 85° | 132.3 | 122.1 | 120.2 | 117.7 | 117.0 | 115.8 | 120.2 | 124.0 | 122.1 | 120.8 | 115.8 |
| 87.5° | 62.3 | 64.9 | 63.0 | 60.4 | 57.9 | 56.0 | 50.9 | 45.8 | 42.0 | 38.2 | 35.6 |
| 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):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 |
| 2.5° | 3800.1 | 3796.9 | 3800.1 | 3804.5 | 3809.6 | 3816.0 | 3822.3 | 3835.7 | 3849.1 | 3869.4 | 3889.1 |
| 5° | 3555.2 | 3548.9 | 3555.2 | 3562.2 | 3569.2 | 3580.0 | 3590.2 | 3615.0 | 3639.2 | 3669.1 | 3698.3 |
| 7.5° | 3389.9 | 3383.5 | 3389.9 | 3401.9 | 3414.0 | 3430.6 | 3447.1 | 3475.1 | 3503.1 | 3546.3 | 3590.2 |
| 10° | 3297.6 | 3288.1 | 3297.6 | 3310.4 | 3323.1 | 3346.0 | 3369.5 | 3410.2 | 3452.2 | 3500.5 | 3548.9 |
| 12.5° | 3280.5 | 3269.0 | 3280.5 | 3299.6 | 3318.6 | 3346.6 | 3375.9 | 3427.4 | 3478.9 | 3543.8 | 3609.3 |
| 15° | 3344.1 | 3326.3 | 3344.1 | 3367.6 | 3391.1 | 3433.1 | 3473.8 | 3548.2 | 3622.0 | 3713.0 | 3803.3 |
| 17.5° | 3437.6 | 3428.0 | 3437.6 | 3459.2 | 3480.2 | 3540.0 | 3599.7 | 3709.1 | 3819.2 | 3946.4 | 4073.6 |
| 20° | 3471.3 | 3459.8 | 3471.3 | 3503.1 | 3534.9 | 3613.7 | 3693.9 | 3838.2 | 3982.6 | 4149.2 | 4315.2 |
| 22.5° | 3466.2 | 3453.5 | 3466.2 | 3496.7 | 3526.6 | 3621.4 | 3715.5 | 3893.6 | 4071.7 | 4235.1 | 4397.9 |
| 25° | 3399.4 | 3389.9 | 3399.4 | 3430.6 | 3461.1 | 3560.9 | 3660.2 | 3832.5 | 4005.5 | 4139.7 | 4273.9 |
| 27.5° | 3283.0 | 3262.7 | 3283.0 | 3316.1 | 3348.5 | 3436.9 | 3524.7 | 3664.6 | 3804.5 | 3886.6 | 3968.6 |
| 30° | 3132.3 | 3122.7 | 3132.3 | 3153.3 | 3173.6 | 3238.5 | 3304.0 | 3403.9 | 3504.3 | 3558.4 | 3612.5 |
| 32.5° | 2951.0 | 2944.7 | 2951.0 | 2964.4 | 2977.7 | 3018.4 | 3059.1 | 3125.3 | 3191.4 | 3233.4 | 3275.4 |
| 35° | 2757.0 | 2747.5 | 2757.0 | 2767.2 | 2778.0 | 2807.3 | 2836.5 | 2895.1 | 2954.2 | 2989.2 | 3024.2 |
| 37.5° | 2564.3 | 2550.3 | 2564.3 | 2583.4 | 2602.5 | 2638.1 | 2672.5 | 2722.7 | 2772.9 | 2798.4 | 2823.8 |
| 40° | 2379.9 | 2365.9 | 2379.9 | 2406.6 | 2432.7 | 2481.7 | 2531.3 | 2579.0 | 2626.7 | 2631.8 | 2636.2 |
| 42.5° | 2200.5 | 2175.1 | 2200.5 | 2240.0 | 2280.0 | 2337.3 | 2394.5 | 2434.6 | 2474.0 | 2464.5 | 2454.9 |
| 45° | 2047.9 | 2016.1 | 2047.9 | 2095.6 | 2143.3 | 2207.5 | 2271.8 | 2308.0 | 2343.6 | 2321.4 | 2299.1 |
| 47.5° | 1989.4 | 1958.9 | 1989.4 | 2031.4 | 2073.4 | 2129.3 | 2184.6 | 2208.2 | 2232.3 | 2208.2 | 2184.6 |
| 50° | 1974.8 | 1946.2 | 1974.8 | 2014.8 | 2054.3 | 2098.2 | 2142.0 | 2146.5 | 2150.9 | 2107.7 | 2063.8 |
| 52.5° | 1971.6 | 1946.2 | 1971.6 | 2005.9 | 2040.3 | 2072.1 | 2103.9 | 2096.2 | 2089.3 | 2042.8 | 1997.0 |
| 55° | 1947.4 | 1927.1 | 1947.4 | 1972.9 | 1998.3 | 2021.8 | 2044.7 | 2035.2 | 2025.7 | 1983.0 | 1939.8 |
| 57.5° | 1892.1 | 1882.6 | 1892.1 | 1911.2 | 1930.3 | 1955.1 | 1979.2 | 1971.6 | 1964.0 | 1913.7 | 1863.5 |
| 60° | 1815.8 | 1799.9 | 1815.8 | 1834.2 | 1852.0 | 1871.1 | 1890.2 | 1880.0 | 1869.8 | 1819.0 | 1768.1 |
| 62.5° | 1688.6 | 1666.3 | 1688.6 | 1708.3 | 1728.6 | 1736.9 | 1745.8 | 1730.5 | 1715.9 | 1666.9 | 1618.6 |
| 65° | *1539.1* | *1513.7* | *1539.1* | *1553.1* | *1567.7* | *1571.5* | *1576.0* | *1561.4* | *1546.7* | *1504.8* | *1462.8* |
| 67.5° | 1353.4 | 1348.3 | 1353.4 | 1368.0 | 1383.3 | 1392.2 | 1400.5 | 1383.9 | 1367.4 | 1338.8 | 1310.2 |
| 70° | 1146.1 | 1106.6 | 1146.1 | 1180.4 | 1214.8 | 1227.5 | 1240.2 | 1231.3 | 1222.4 | 1199.5 | 1176.6 |
| 72.5° | 969.9 | 928.6 | 969.9 | 1010.6 | 1050.7 | 1071.0 | 1090.7 | 1085.0 | 1079.9 | 1058.3 | 1036.7 |
| 75° | 791.8 | 763.2 | 791.8 | 833.8 | 876.4 | 903.8 | 931.7 | 922.2 | 912.7 | 890.4 | 868.1 |
| 77.5° | 630.9 | 616.9 | 630.9 | 656.3 | 681.8 | 706.0 | 730.1 | 726.3 | 723.8 | 705.3 | 686.9 |
| 80° | 461.1 | 451.6 | 461.1 | 473.8 | 486.5 | 505.0 | 522.8 | 522.8 | 522.8 | 508.2 | 492.9 |
| 82.5° | 276.7 | 267.1 | 276.7 | 291.3 | 305.3 | 312.9 | 321.2 | 315.5 | 310.4 | 295.1 | 279.8 |
| 85° | 111.3 | 108.1 | 111.3 | 115.8 | 120.8 | 122.1 | 124.0 | 120.2 | 115.8 | 117.0 | 117.7 |
| 87.5° | 33.1 | 31.8 | 33.1 | 35.6 | 38.2 | 42.0 | 45.8 | 50.9 | 56.0 | 57.9 | 60.4 |
| 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° | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 |
| 2.5° | 3917.1 | 3944.5 | 3968.0 | 3990.9 | 4017.0 | 4043.7 | 4077.4 | 4111.7 | 4143.5 | 4179.8 | 4216.0 |
| 5° | 3735.8 | 3772.7 | 3814.7 | 3855.4 | 3905.0 | 3954.6 | 4014.4 | 4075.5 | 4137.2 | 4209.0 | 4277.7 |
| 7.5° | 3636.6 | 3682.4 | 3737.1 | 3791.8 | 3856.7 | 3920.9 | 3994.7 | 4069.1 | 4143.5 | 4238.9 | 4330.5 |
| 10° | 3609.3 | 3669.7 | 3727.6 | 3785.5 | 3851.6 | 3917.7 | 3995.3 | 4073.6 | 4153.1 | 4254.8 | 4359.8 |
| 12.5° | 3681.8 | 3753.7 | 3807.1 | 3860.5 | 3906.3 | 3952.7 | 4017.0 | 4081.8 | 4159.4 | 4270.7 | 4385.8 |
| 15° | 3870.0 | 3936.8 | 3955.3 | 3973.7 | 3977.5 | 3981.3 | 4023.3 | 4065.3 | 4134.0 | 4258.0 | 4388.4 |
| 17.5° | 4120.6 | 4167.1 | 4130.8 | 4094.5 | 4031.6 | 3968.6 | 3974.3 | 3980.1 | 4038.6 | 4183.6 | 4335.0 |
| 20° | 4319.7 | 4324.8 | 4226.8 | 4128.9 | 4006.1 | 3882.8 | 3847.1 | 3810.9 | 3847.8 | 4039.9 | 4239.6 |
| 22.5° | 4362.3 | 4326.1 | 4184.9 | 4043.7 | 3882.8 | 3721.9 | 3669.1 | 3615.6 | 3650.6 | 3879.6 | 4130.2 |
| 25° | 4206.5 | 4139.1 | 3987.1 | 3835.1 | 3686.2 | 3537.4 | 3479.5 | 3421.7 | 3424.8 | 3687.5 | 3999.8 |
| 27.5° | 3892.9 | 3817.3 | 3695.1 | 3573.0 | 3462.4 | 3351.7 | 3295.7 | 3240.4 | 3224.5 | 3492.9 | 3866.2 |
| 30° | 3552.0 | 3491.6 | 3408.9 | 3326.3 | 3246.1 | 3166.0 | 3122.7 | 3079.5 | 3062.3 | 3323.1 | 3749.8 |
| 32.5° | 3242.3 | 3208.6 | 3147.5 | 3085.9 | 3033.7 | 2981.6 | 2963.1 | 2944.7 | 2944.7 | 3185.1 | 3648.1 |
| 35° | 2998.7 | 2973.3 | 2923.0 | 2873.4 | 2839.1 | 2804.7 | 2820.0 | 2835.3 | 2874.7 | 3060.4 | 3532.3 |
| 37.5° | 2786.9 | 2750.7 | 2708.7 | 2666.1 | 2650.8 | 2634.3 | 2676.3 | 2717.0 | 2792.0 | 2938.3 | 3403.9 |
| 40° | 2591.1 | 2545.3 | 2505.2 | 2464.5 | 2466.4 | 2467.7 | 2528.7 | 2589.8 | 2683.9 | 2799.7 | 3250.6 |
| 42.5° | 2406.6 | 2358.3 | 2318.2 | 2278.1 | 2286.4 | 2294.7 | 2372.3 | 2449.9 | 2566.2 | 2647.0 | 3068.0 |
| 45° | 2245.7 | 2192.9 | 2157.3 | 2123.0 | 2135.7 | 2148.4 | 2227.3 | 2307.4 | 2423.1 | 2496.3 | 2882.3 |
| 47.5° | 2125.5 | 2067.0 | 2030.1 | 1993.9 | 2002.1 | 2009.8 | 2078.4 | 2146.5 | 2254.6 | 2339.2 | 2697.9 |
| 50° | 2017.4 | 1971.6 | 1932.2 | 1892.1 | 1882.6 | 1873.0 | 1929.6 | 1985.6 | 2092.4 | 2208.2 | 2533.8 |
| 52.5° | 1949.3 | 1901.6 | 1864.7 | 1828.5 | 1799.2 | 1769.3 | 1812.0 | 1853.9 | 1968.4 | 2116.6 | 2386.3 |
| 55° | 1895.3 | 1850.8 | 1806.9 | 1763.0 | 1721.0 | 1679.0 | 1726.1 | 1773.2 | 1908.0 | 2055.5 | 2262.9 |
| 57.5° | 1819.0 | 1774.4 | 1726.7 | 1679.0 | 1637.1 | 1595.1 | 1660.6 | 1726.7 | 1892.1 | 2016.1 | 2158.6 |
| 60° | 1722.3 | 1675.9 | 1627.5 | 1578.5 | 1551.2 | 1523.2 | 1605.9 | 1688.6 | 1853.9 | 1951.2 | 2051.1 |
| 62.5° | 1580.5 | 1542.3 | 1487.6 | 1432.3 | 1429.7 | 1425.9 | 1534.0 | 1642.1 | 1799.9 | 1841.2 | 1896.5 |
| 65° | *1432.3* | *1402.4* | *1349.6* | *1297.4* | *1310.2* | *1322.9* | *1438.6* | *1555.0* | *1685.4* | *1696.8* | *1708.3* |
| 67.5° | 1285.4 | 1260.5 | 1212.2 | 1163.9 | 1190.0 | 1216.0 | 1319.1 | 1421.5 | 1510.5 | 1493.3 | 1459.6 |
| 70° | 1155.0 | 1133.3 | 1093.9 | 1054.5 | 1071.0 | 1087.6 | 1148.6 | 1209.7 | 1252.9 | 1258.0 | 1207.8 |
| 72.5° | 1018.2 | 999.8 | 969.9 | 940.0 | 951.5 | 963.5 | 976.9 | 990.9 | 963.5 | 1014.4 | 976.3 |
| 75° | 853.5 | 839.5 | 816.6 | 793.7 | 802.0 | 810.9 | 817.9 | 825.5 | 807.7 | 787.4 | 741.6 |
| 77.5° | 673.5 | 660.2 | 639.2 | 618.2 | 628.4 | 637.3 | 654.4 | 671.0 | 667.8 | 609.3 | 559.7 |
| 80° | 488.4 | 483.4 | 468.1 | 452.8 | 460.5 | 467.5 | 488.4 | 508.8 | 512.0 | 429.3 | 377.8 |
| 82.5° | 286.2 | 292.6 | 295.7 | 298.9 | 304.0 | 308.5 | 308.5 | 308.5 | 295.7 | 249.3 | 223.9 |
| 85° | 120.2 | 122.1 | 132.3 | 141.2 | 148.8 | 155.8 | 155.2 | 153.9 | 146.3 | 120.8 | 104.3 |
| 87.5° | 63.0 | 64.9 | 62.3 | 58.5 | 56.0 | 52.2 | 48.3 | 44.5 | 38.2 | 35.0 | 31.8 |
| 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: P1365000
CATALOG NUMBER: GSS-SB5B-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 | 4146.7 |
| 2.5° | 4251.6 | 4289.2 | 4326.1 | 4362.9 | 4399.8 | 4439.9 | 4480.6 |
| 5° | 4347.0 | 4420.2 | 4493.3 | 4567.7 | 4642.8 | 4714.0 | 4785.9 |
| 7.5° | 4421.5 | 4523.2 | 4625.0 | 4738.8 | 4852.7 | 4973.5 | 5094.3 |
| 10° | 4464.7 | 4590.6 | 4715.9 | 4857.7 | 4998.9 | 5143.9 | 5288.3 |
| 12.5° | 4501.6 | 4642.1 | 4782.7 | 4941.1 | 5099.4 | 5243.2 | 5386.9 |
| 15° | 4518.8 | 4670.8 | 4822.1 | 4983.0 | 5143.9 | 5289.0 | 5434.6 |
| 17.5° | 4487.0 | 4659.3 | 4832.3 | 5004.0 | 5175.7 | 5311.2 | 5447.3 |
| 20° | 4439.3 | 4642.1 | 4845.0 | 5029.5 | 5213.9 | 5351.3 | 5488.7 |
| 22.5° | 4380.7 | 4628.8 | 4876.8 | 5079.1 | 5282.0 | 5407.2 | 5533.2 |
| 25° | 4312.1 | 4627.5 | 4943.0 | 5164.3 | 5385.6 | 5494.4 | 5603.1 |
| 27.5° | 4238.9 | 4639.6 | 5040.3 | 5289.0 | 5538.3 | 5621.6 | 5704.9 |
| 30° | 4177.2 | 4665.7 | 5154.8 | 5436.5 | 5717.6 | 5782.5 | 5848.0 |
| 32.5° | 4111.7 | 4694.9 | 5278.8 | 5610.1 | 5941.5 | 5982.2 | 6022.9 |
| 35° | 4003.6 | 4687.9 | 5372.9 | 5794.6 | 6216.9 | 6267.8 | 6318.6 |
| 37.5° | 3870.0 | 4668.2 | 5466.4 | 6019.7 | 6573.0 | 6633.4 | 6693.9 |
| 40° | 3701.5 | 4623.7 | 5545.9 | 6277.3 | 7008.7 | 7128.3 | 7247.2 |
| 42.5° | 3488.4 | 4546.7 | 5604.4 | 6562.2 | 7518.8 | 7771.2 | 8023.1 |
| 45° | 3269.0 | 4494.0 | 5718.9 | 6948.9 | 8178.9 | 8582.8 | 8986.6 |
| 47.5° | 3057.9 | 4432.3 | 5806.7 | 7346.4 | 8886.2 | 9397.5 | 9908.8 |
| 50° | 2858.8 | 4327.3 | 5795.2 | 7693.0 | 9590.8 | 10284.1 | 10977.3 |
| 52.5° | 2657.2 | 4112.4 | 5568.2 | 7857.1 | 10145.4 | 11247.0 | 12347.9 |
| 55° | 2468.9 | 3827.4 | 5184.6 | 7813.9 | 10443.1 | 12214.3 | 13985.6 |
| 57.5° | 2301.0 | 3529.1 | 4757.3 | 7577.9 | 10398.6 | 13026.5 | 15655.1 |
| 60° | 2150.9 | 3152.0 | 4153.1 | 7012.5 | 9871.9 | 13390.3 | 16908.0 |
| 62.5° | 1952.5 | 2673.7 | 3395.0 | 6085.9 | 8776.8 | 12583.2 | 16389.6 |
| 65° | *1720.4* | *2101.3* | *2481.7* | *4773.8* | *7065.9* | *10853.3* | *14640.7* |
| 67.5° | 1425.9 | 1606.5 | 1787.2 | 3714.9 | 5642.6 | 9321.2 | 12999.8 |
| 70° | 1157.5 | 1221.1 | 1284.7 | 2846.7 | 4408.7 | 7918.8 | 11428.9 |
| 72.5° | 938.1 | 938.7 | 940.0 | 2140.1 | 3340.3 | 6575.6 | 9810.3 |
| 75° | 696.4 | 700.2 | 704.7 | 1586.2 | 2467.7 | 5250.2 | 8032.6 |
| 77.5° | 510.1 | 507.5 | 503.7 | 1025.2 | 1546.7 | 3444.6 | 5342.4 |
| 80° | 325.6 | 323.1 | 319.3 | 566.7 | 814.1 | 1974.8 | 3135.5 |
| 82.5° | 198.4 | 197.8 | 197.2 | 304.6 | 412.1 | 989.6 | 1567.7 |
| 85° | 87.8 | 83.3 | 79.5 | 96.7 | 114.5 | 235.3 | 356.2 |
| 87.5° | 28.6 | 26.7 | 25.4 | 26.1 | 26.7 | 28.0 | 28.6 |
| 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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

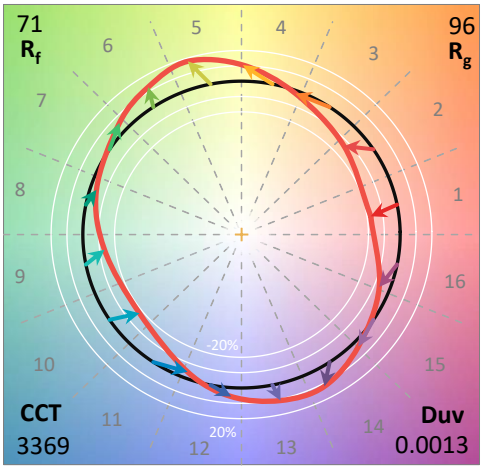
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-5 |
| 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-735-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 3369 |
| CIE u': | 0.2386 |
| CIE v': | 0.5156 |
| Duv: | 0.0013 |
| CIE x: | 0.4143 |
| CIE y: | 0.3980 |
| CIE z: | 0.1877 |
| Peak Wavelength (nm): | 590 |
| Dominant Wavelength (nm): | 580 |
| Purity: | 43.80166 |
| Rf: | 71.4 |
| Rg: | 96 |

| | |
|---|---|
| CRI (Ra): | 70.1 |
| R1: | 66.6 |
| R2: | 77.6 |
| R3: | 88.5 |
| R4: | 69.5 |
| R5: | 66.4 |
| R6: | 69.6 |
| R7: | 77.5 |
| R8: | 44.9 |
| R9: | -40.2 |
| R10: | 49.1 |
| R11: | 66.3 |
| R12: | 45.7 |
| R13: | 68.0 |
| R14: | 93.4 |
| R15: | 57.6 |




## Test Conditions

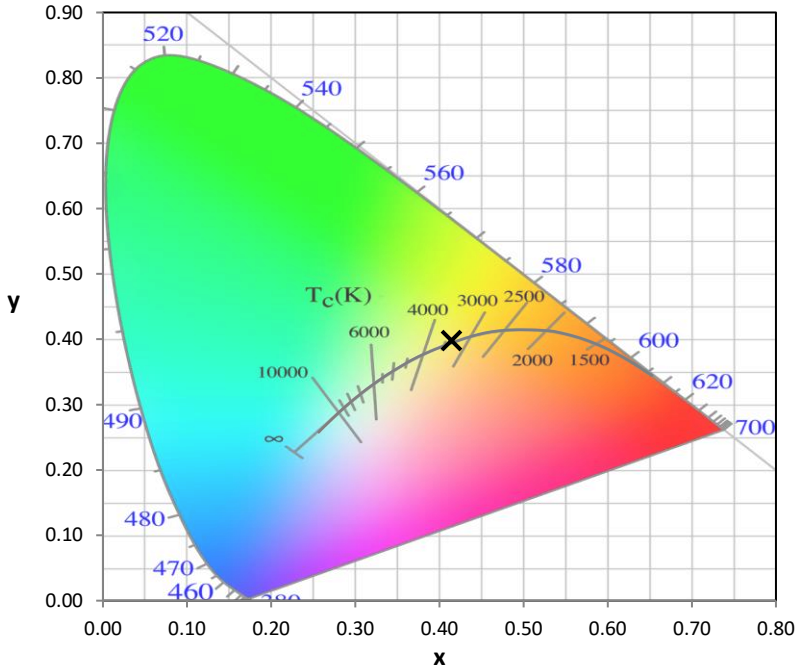
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-5

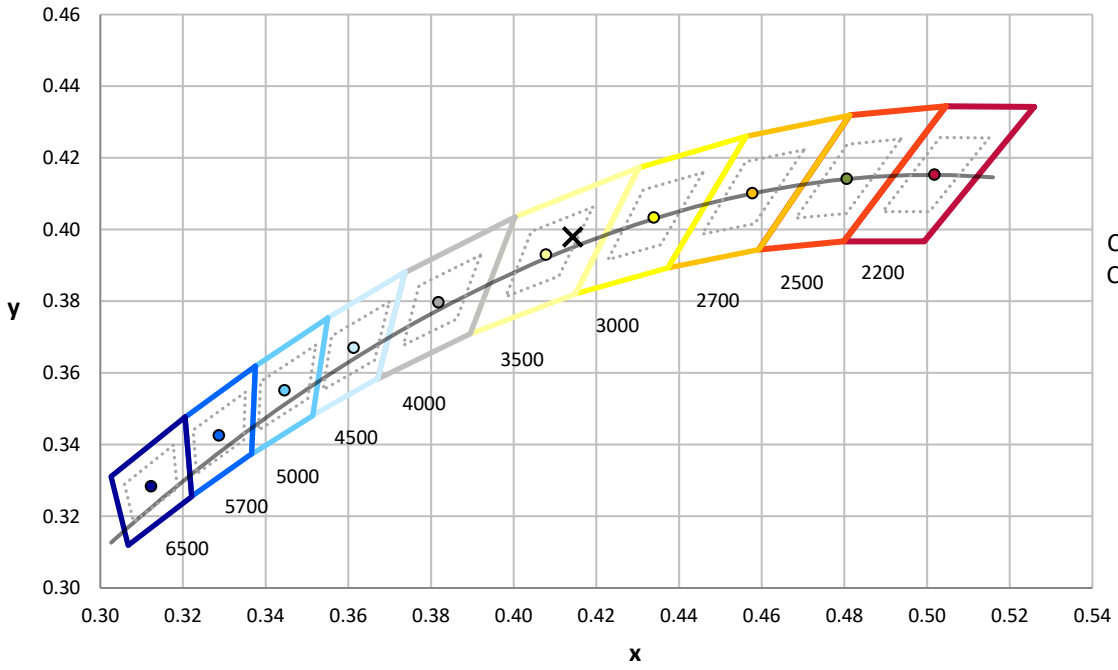
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-5

## CIE 1931 Chromaticity Diagram




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

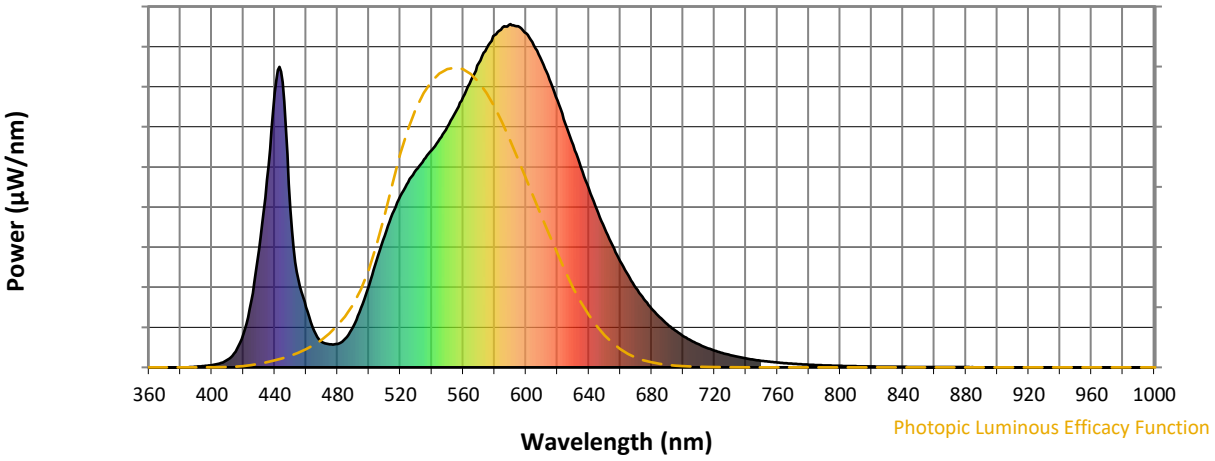



CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

## Photopic Flux vs. Wavelength

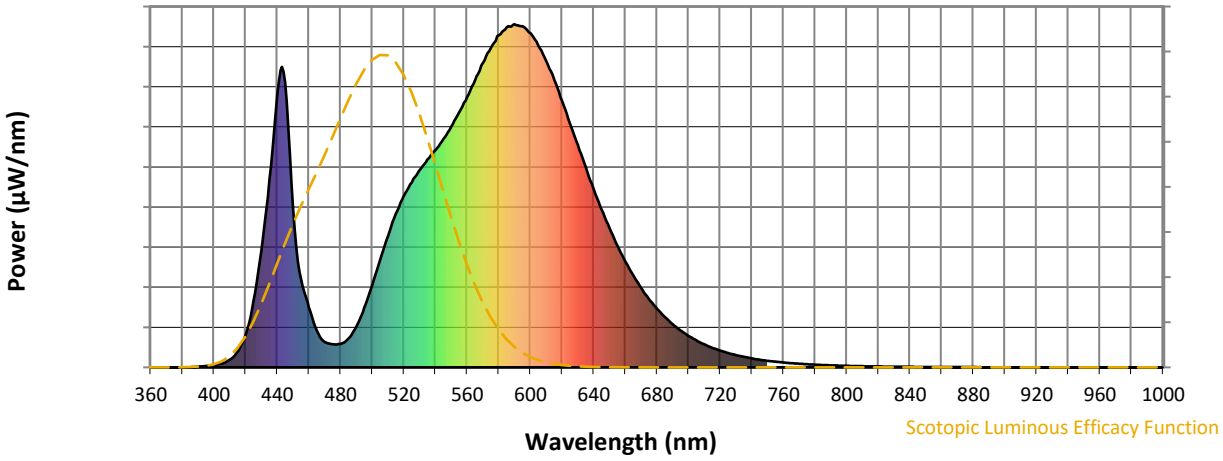



## Photopic Lumens: NR

| 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 | 119 | NR | 620 | 778 | NR | 750 | 19 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 173 | NR | 625 | 711 | NR | 755 | 16 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 239 | NR | 630 | 648 | NR | 760 | 14 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 313 | NR | 635 | 582 | NR | 765 | 12 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 383 | NR | 640 | 520 | NR | 770 | 11 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 448 | NR | 645 | 460 | NR | 775 | 9 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 500 | NR | 650 | 406 | NR | 780 | 8 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 539 | NR | 655 | 355 | NR | 785 | 7 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 575 | NR | 660 | 309 | NR | 790 | 6 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 606 | NR | 665 | 269 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 22 | NR | 540 | 633 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 45 | NR | 545 | 666 | NR | 675 | 199 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 96 | NR | 550 | 701 | NR | 680 | 171 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 193 | NR | 555 | 743 | NR | 685 | 147 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 341 | NR | 560 | 788 | NR | 690 | 126 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 547 | NR | 565 | 837 | NR | 695 | 107 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 799 | NR | 570 | 887 | NR | 700 | 92 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 831 | NR | 575 | 931 | NR | 705 | 78 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 461 | NR | 580 | 967 | NR | 710 | 67 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 256 | NR | 585 | 990 | NR | 715 | 57 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 176 | NR | 590 | 1000 | NR | 720 | 49 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 994 | NR | 725 | 42 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 74 | NR | 600 | 973 | NR | 730 | 36 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 67 | NR | 605 | 938 | NR | 735 | 31 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 68 | NR | 610 | 892 | NR | 740 | 26 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 84 | NR | 615 | 838 | NR | 745 | 22 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-5

## Scotopic Flux vs. Wavelength

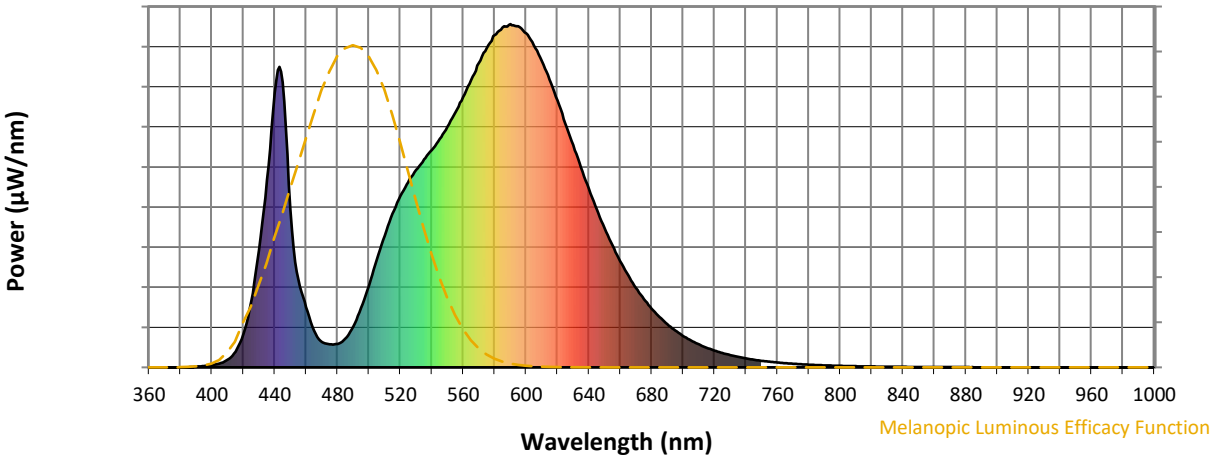



**Scotopic Lumens: NR** **S/P: 1.29**

| 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 | 119 | NR | 620 | 778 | NR | 750 | 19 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 173 | NR | 625 | 711 | NR | 755 | 16 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 239 | NR | 630 | 648 | NR | 760 | 14 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 313 | NR | 635 | 582 | NR | 765 | 12 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 383 | NR | 640 | 520 | NR | 770 | 11 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 448 | NR | 645 | 460 | NR | 775 | 9 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 500 | NR | 650 | 406 | NR | 780 | 8 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 539 | NR | 655 | 355 | NR | 785 | 7 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 575 | NR | 660 | 309 | NR | 790 | 6 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 606 | NR | 665 | 269 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 22 | NR | 540 | 633 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 45 | NR | 545 | 666 | NR | 675 | 199 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 96 | NR | 550 | 701 | NR | 680 | 171 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 193 | NR | 555 | 743 | NR | 685 | 147 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 341 | NR | 560 | 788 | NR | 690 | 126 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 547 | NR | 565 | 837 | NR | 695 | 107 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 799 | NR | 570 | 887 | NR | 700 | 92 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 831 | NR | 575 | 931 | NR | 705 | 78 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 461 | NR | 580 | 967 | NR | 710 | 67 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 256 | NR | 585 | 990 | NR | 715 | 57 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 176 | NR | 590 | 1000 | NR | 720 | 49 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 994 | NR | 725 | 42 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 74 | NR | 600 | 973 | NR | 730 | 36 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 67 | NR | 605 | 938 | NR | 735 | 31 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 68 | NR | 610 | 892 | NR | 740 | 26 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 84 | NR | 615 | 838 | NR | 745 | 22 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-5

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.36**

| 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 | 119 | NR | 620 | 778 | NR | 750 | 19 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 173 | NR | 625 | 711 | NR | 755 | 16 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 239 | NR | 630 | 648 | NR | 760 | 14 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 313 | NR | 635 | 582 | NR | 765 | 12 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 383 | NR | 640 | 520 | NR | 770 | 11 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 448 | NR | 645 | 460 | NR | 775 | 9 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 500 | NR | 650 | 406 | NR | 780 | 8 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 539 | NR | 655 | 355 | NR | 785 | 7 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 575 | NR | 660 | 309 | NR | 790 | 6 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 606 | NR | 665 | 269 | NR | 795 | 5 | NR | 925 | 0 | NR |
| 410 | 22 | NR | 540 | 633 | NR | 670 | 231 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 45 | NR | 545 | 666 | NR | 675 | 199 | NR | 805 | 4 | NR | 935 | 0 | NR |
| 420 | 96 | NR | 550 | 701 | NR | 680 | 171 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 193 | NR | 555 | 743 | NR | 685 | 147 | NR | 815 | 3 | NR | 945 | 0 | NR |
| 430 | 341 | NR | 560 | 788 | NR | 690 | 126 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 547 | NR | 565 | 837 | NR | 695 | 107 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 799 | NR | 570 | 887 | NR | 700 | 92 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 831 | NR | 575 | 931 | NR | 705 | 78 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 461 | NR | 580 | 967 | NR | 710 | 67 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 256 | NR | 585 | 990 | NR | 715 | 57 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 176 | NR | 590 | 1000 | NR | 720 | 49 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 994 | NR | 725 | 42 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 74 | NR | 600 | 973 | NR | 730 | 36 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 67 | NR | 605 | 938 | NR | 735 | 31 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 68 | NR | 610 | 892 | NR | 740 | 26 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 84 | NR | 615 | 838 | NR | 745 | 22 | NR | 875 | 1 | NR | | | |

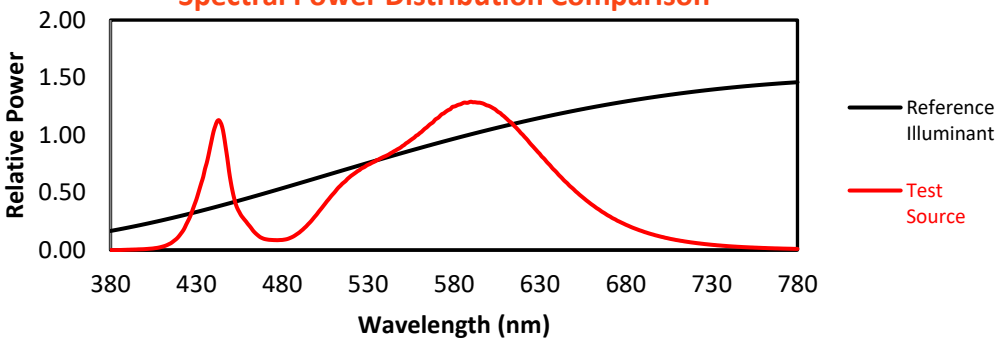
REPORT NUMBER: SP1-2407-184-5

# TM-30-18

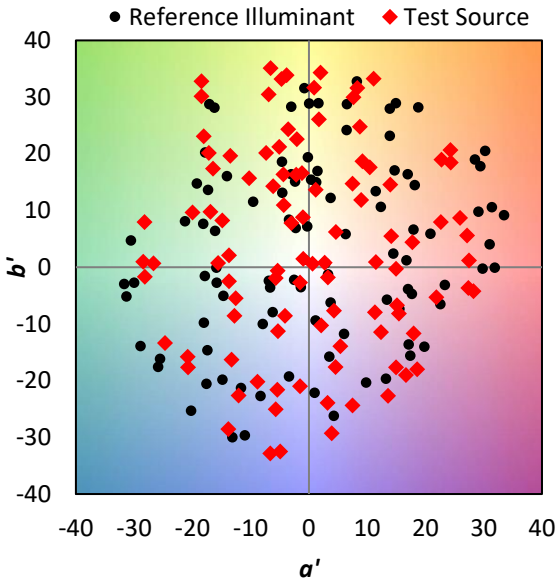
## Summary

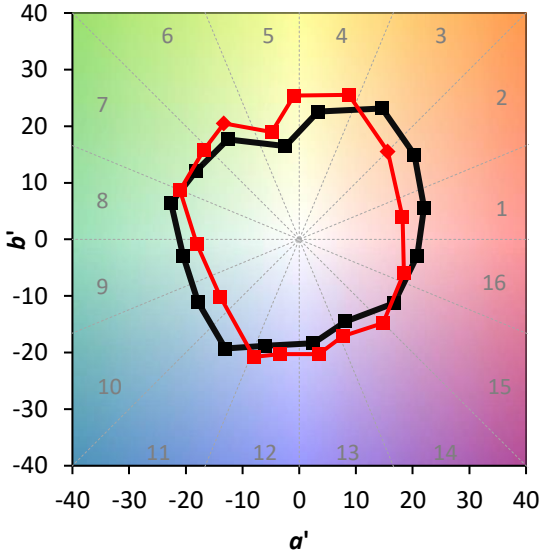
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$R_g$ = 96
CIE $R_a$ = 70.1
$R_9$ = -40.2

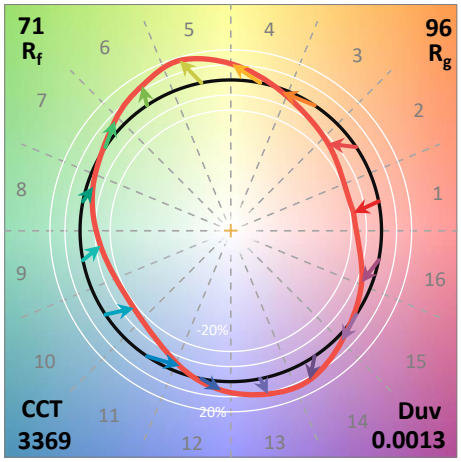
## Spectral Power Distribution Comparison

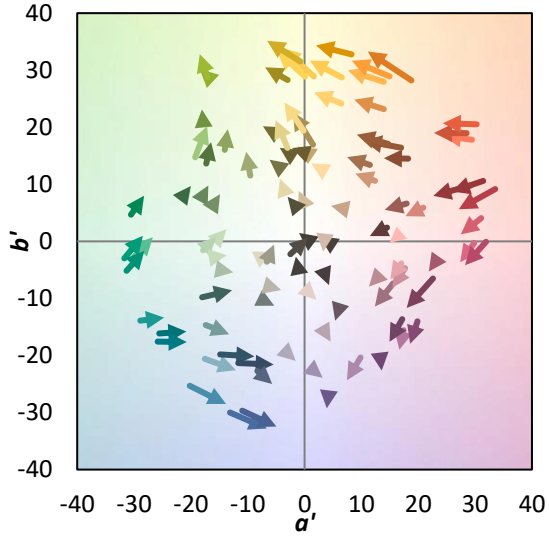



## Color Vector Graphics



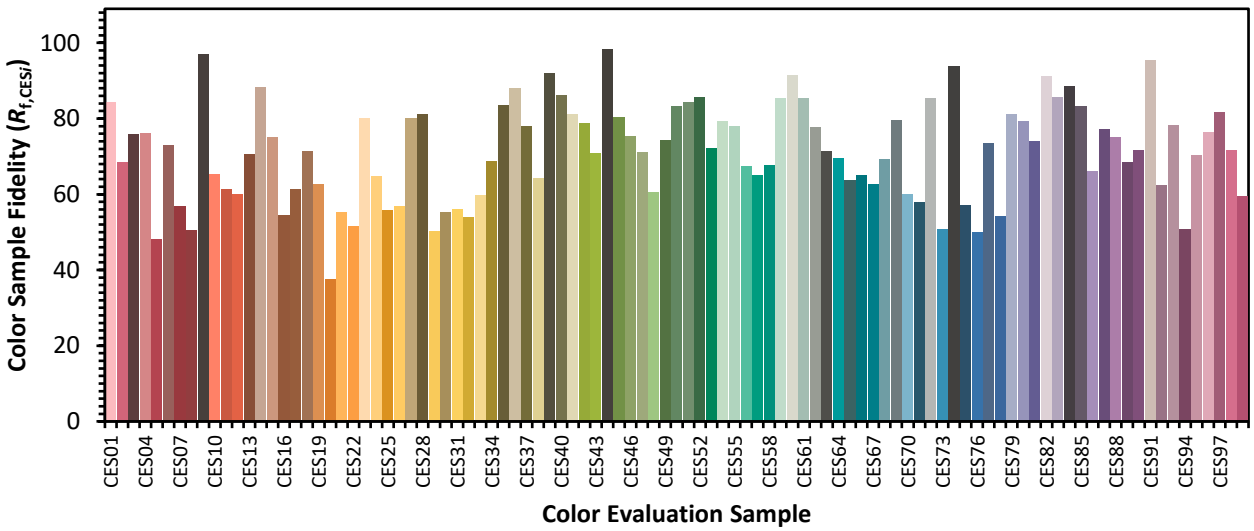



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**Individual Sample Fidelity Index ($R_{f,i}$)**

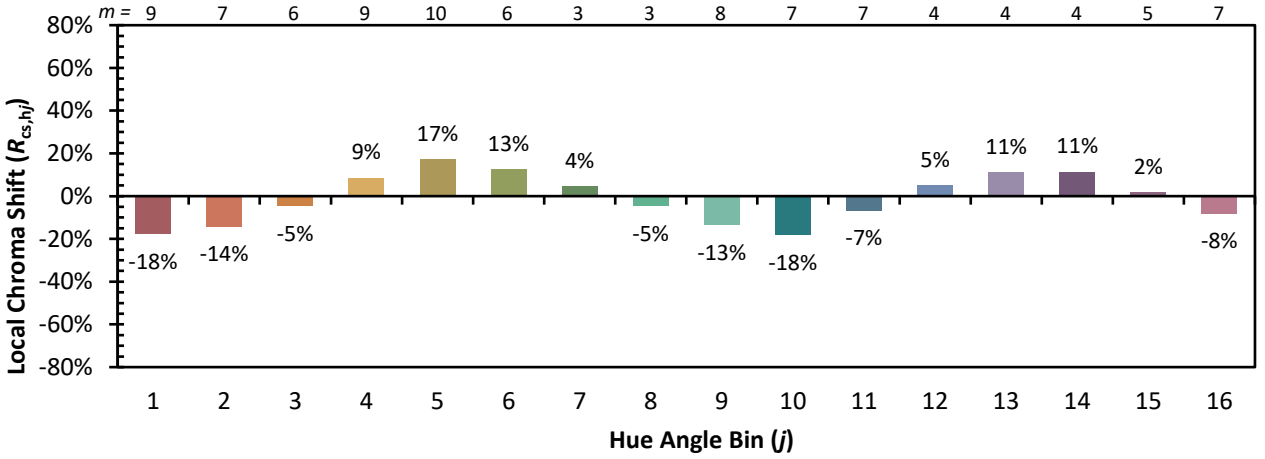
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 57 | CES51 = 84 | CES76 = 50 |
| CES02 = 62 | CES27 = 80 | CES52 = 86 | CES77 = 74 |
| CES03 = 31 | CES28 = 81 | CES53 = 72 | CES78 = 54 |
| CES04 = 70 | CES29 = 50 | CES54 = 79 | CES79 = 81 |
| CES05 = 48 | CES30 = 55 | CES55 = 78 | CES80 = 79 |
| CES06 = 51 | CES31 = 56 | CES56 = 67 | CES81 = 74 |
| CES07 = 40 | CES32 = 54 | CES57 = 65 | CES82 = 91 |
| CES08 = 39 | CES33 = 60 | CES58 = 68 | CES83 = 86 |
| CES09 = 29 | CES34 = 69 | CES59 = 85 | CES84 = 89 |
| CES10 = 75 | CES35 = 83 | CES60 = 91 | CES85 = 83 |
| CES11 = 58 | CES36 = 88 | CES61 = 85 | CES86 = 66 |
| CES12 = 64 | CES37 = 78 | CES62 = 78 | CES87 = 77 |
| CES13 = 43 | CES38 = 64 | CES63 = 71 | CES88 = 75 |
| CES14 = 74 | CES39 = 92 | CES64 = 70 | CES89 = 68 |
| CES15 = 71 | CES40 = 86 | CES65 = 64 | CES90 = 72 |
| CES16 = 47 | CES41 = 81 | CES66 = 65 | CES91 = 95 |
| CES17 = 50 | CES42 = 79 | CES67 = 63 | CES92 = 62 |
| CES18 = 56 | CES43 = 71 | CES68 = 69 | CES93 = 78 |
| CES19 = 72 | CES44 = 98 | CES69 = 80 | CES94 = 51 |
| CES20 = 65 | CES45 = 80 | CES70 = 60 | CES95 = 70 |
| CES21 = 87 | CES46 = 75 | CES71 = 58 | CES96 = 76 |
| CES22 = 79 | CES47 = 71 | CES72 = 85 | CES97 = 82 |
| CES23 = 92 | CES48 = 61 | CES73 = 51 | CES98 = 72 |
| CES24 = 91 | CES49 = 74 | CES74 = 94 | CES99 = 60 |
| CES25 = 72 | CES50 = 83 | CES75 = 57 | |

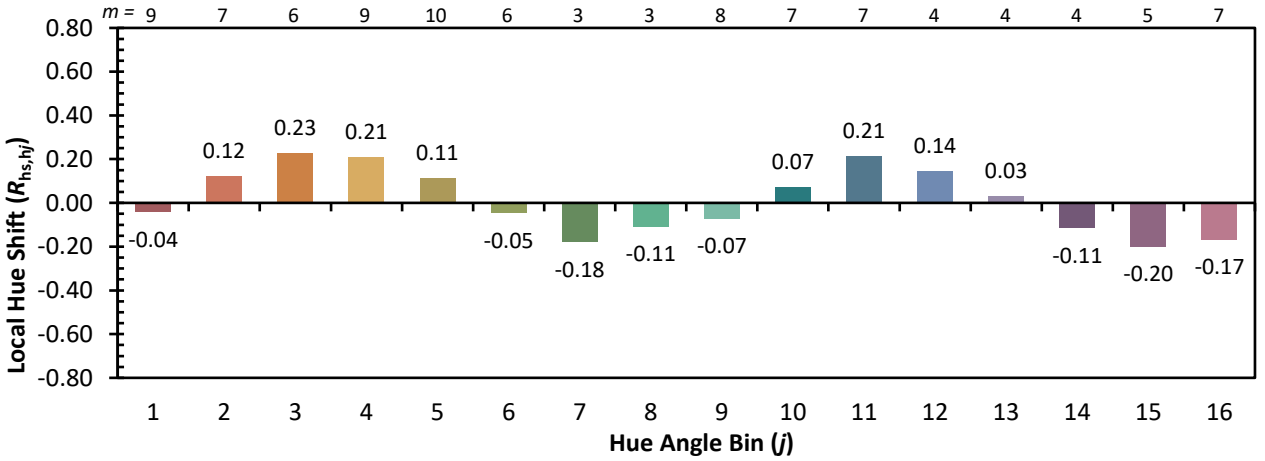


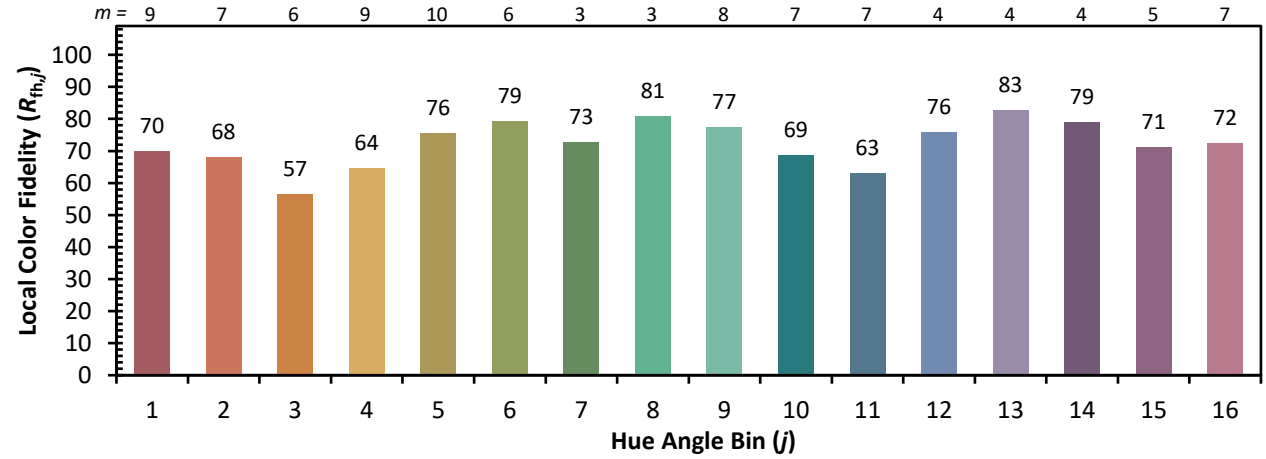
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## Color Rendition by Hue-Angle Bin



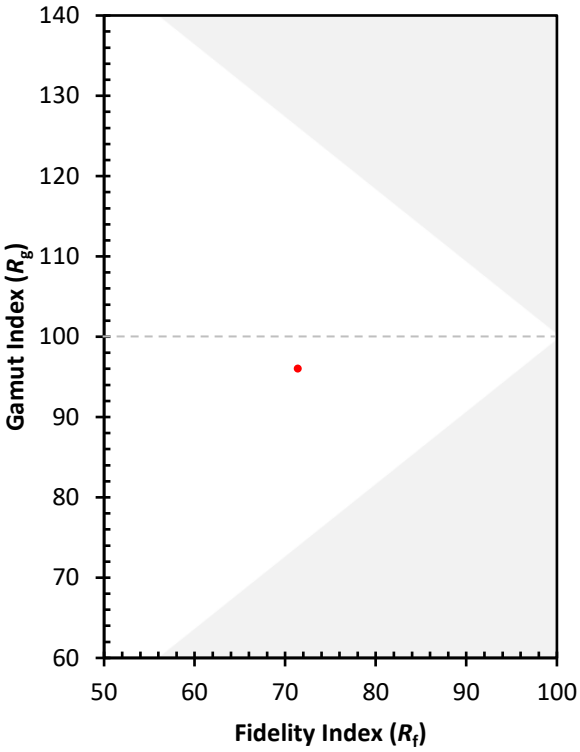



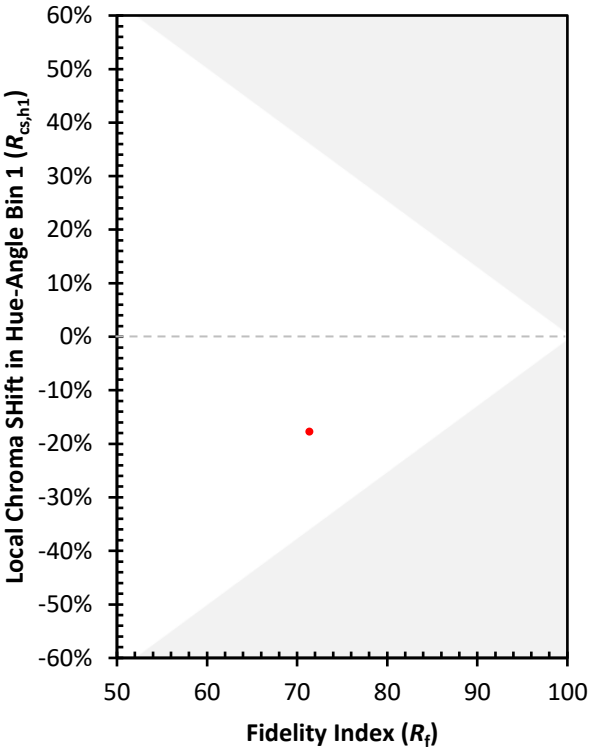



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## Measure Comparisons




(END OF REPORT)