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: P1364951

Luminaire Tested: **GSS-SB5A-727-U-SLL**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364951 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5A-727-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (130) 2700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 19156.8 lumens |
| Efficiency: | N/A |
| Efficacy: | 134.0 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G3 |

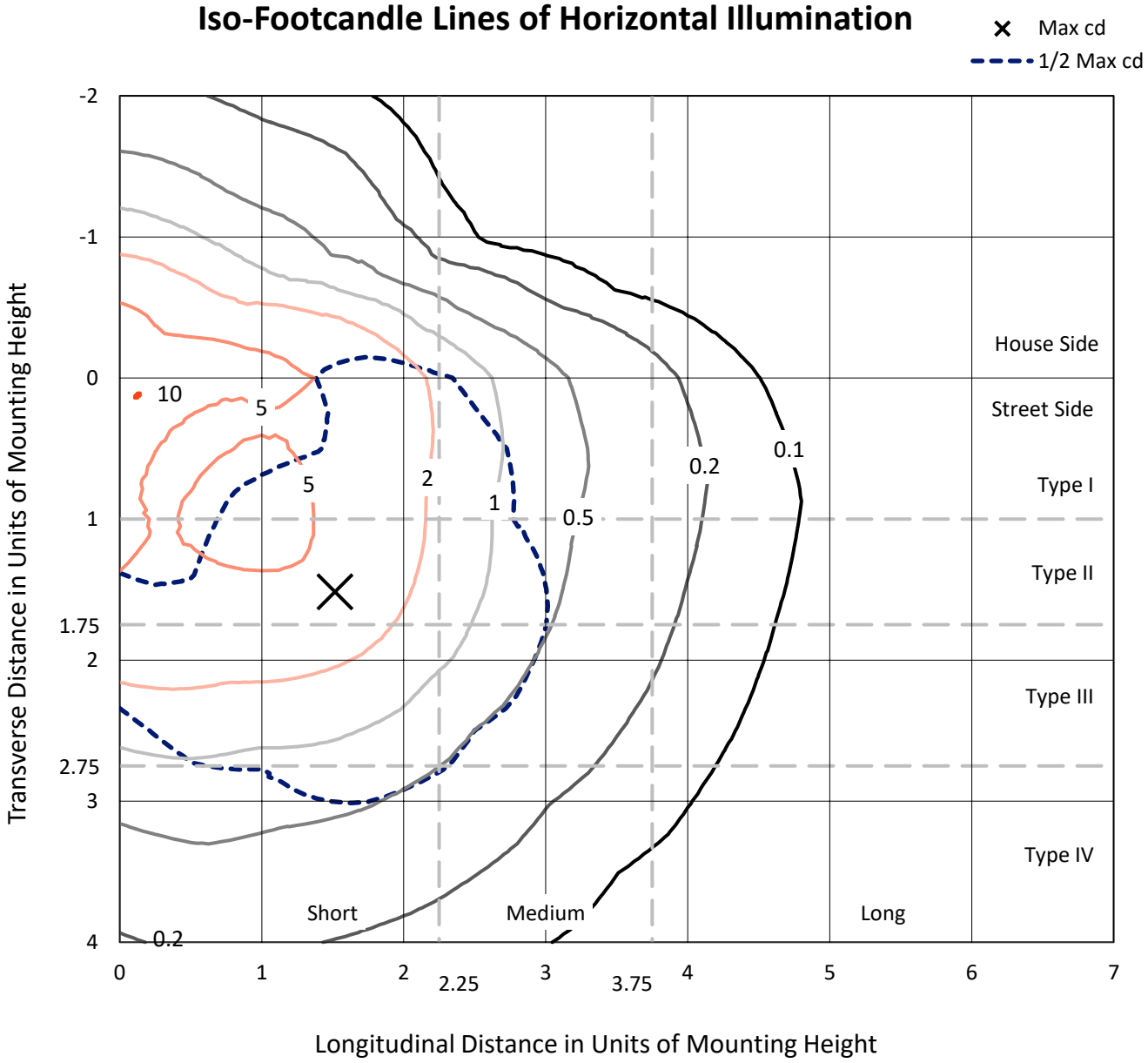
| | |
|---|---|
| Input Watts (W): | 143 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 10.5% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



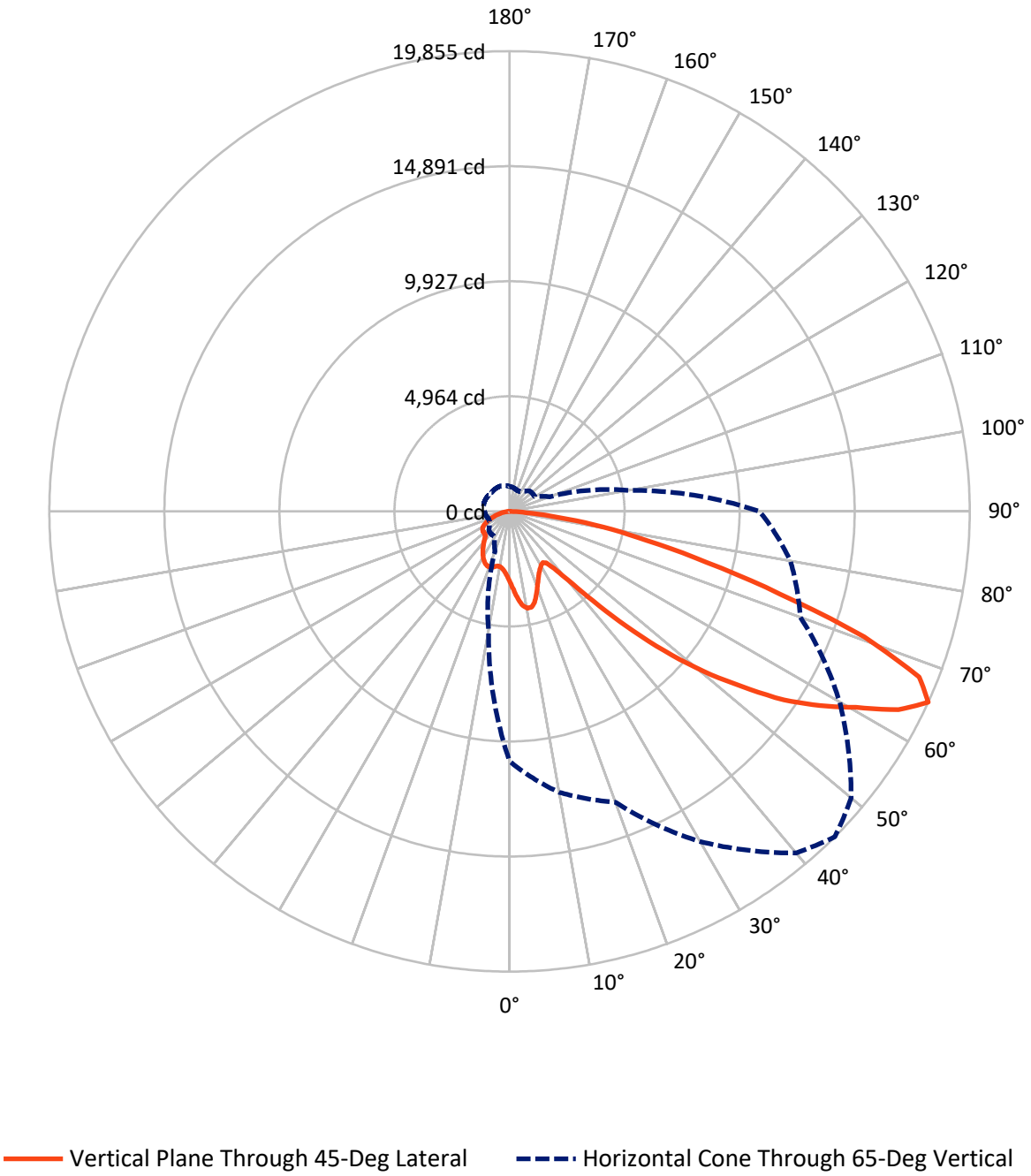

Based on 20 foot mounting height. Maximum calculated value = 10.1 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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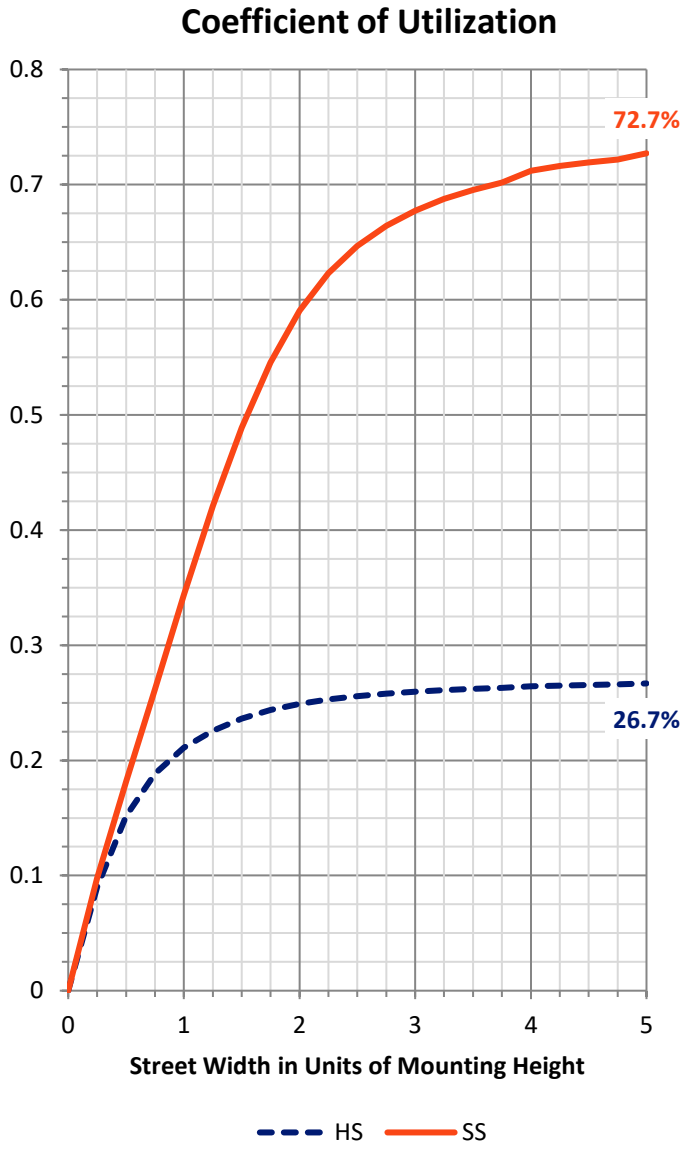
REPORT NUMBER: P1364951
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 5153.6 | 0.0 | 5153.6 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 14003.2 | 0.0 | 14003.2 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 19156.8 | 0.0 | 19156.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 301.6 | 1.6 |
| 10°-20° | 924.3 | 4.8 |
| 20°-30° | 1430.5 | 7.5 |
| 30°-40° | 1774.8 | 9.3 |
| 40°-50° | 2595.3 | 13.5 |
| 50°-60° | 4065.2 | 21.2 |
| 60°-70° | 4823.7 | 25.2 |
| 70°-80° | 2813.4 | 14.7 |
| 80°-90° | 428.0 | 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° | 19156.8 | 100.0 |
| 0°-180° | 19156.8 | 100.0 |



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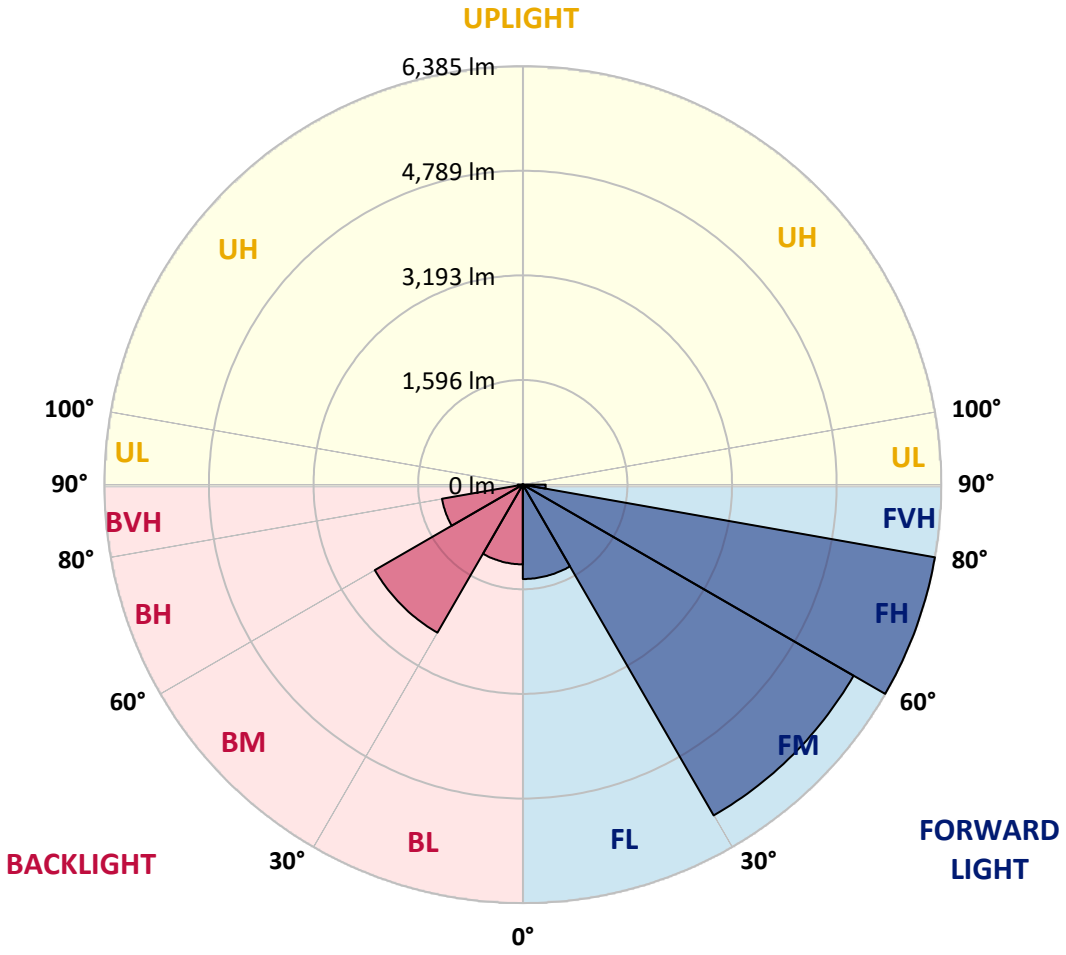
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1439.8 | 7.5 | | | |
| FM | (30°-60°) | 5827.9 | 30.4 | | | |
| FH | (60°-80°) | 6385.5 | 33.3 | | | G3/7500 |
| FVH | (80°-90°) | 350.1 | 1.8 | | | G3/500 |
| BL | (0°-30°) | 1216.6 | 6.4 | B3/2500 | | |
| BM | (30°-60°) | 2607.4 | 13.6 | B3/5000 | | |
| BH | (60°-80°) | 1251.6 | 6.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 78.0 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B3-U0-G3**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | *3054.6* | 3054.6 |
| 2.5° | 3300.5 | 3312.3 | 3324.0 | 3336.6 | 3349.7 | 3357.2 | 3364.7 | 3372.7 | 3380.2 | *3387.2* | 3380.2 |
| 5° | 3525.4 | 3578.4 | 3630.8 | 3666.4 | 3702.0 | 3729.2 | 3756.4 | 3771.9 | 3787.8 | *3790.1* | 3787.8 |
| 7.5° | 3752.6 | 3815.4 | 3878.2 | 3932.5 | 3986.9 | 4021.6 | 4056.2 | 4076.4 | 4097.0 | *4104.0* | 4097.0 |
| 10° | 3895.5 | 3969.1 | 4043.1 | 4095.6 | 4148.5 | 4180.9 | 4212.7 | 4228.6 | 4244.6 | *4249.3* | 4244.6 |
| 12.5° | 3968.2 | 4038.9 | 4109.6 | 4150.4 | 4190.7 | 4211.3 | 4231.4 | 4238.9 | 4245.5 | *4239.9* | 4245.5 |
| 15° | 4003.3 | 4045.0 | 4086.2 | 4103.6 | 4120.4 | 4110.6 | 4100.3 | 4085.7 | 4071.2 | *4061.9* | 4071.2 |
| 17.5° | 4012.7 | 4027.2 | 4042.2 | 4010.8 | 3979.9 | 3923.6 | 3867.4 | 3825.3 | 3783.1 | *3752.6* | 3783.1 |
| 20° | 4043.1 | 4019.7 | 3996.3 | 3912.9 | 3829.9 | 3724.5 | 3619.1 | 3548.4 | 3477.2 | *3434.1* | 3477.2 |
| 22.5° | 4075.9 | 4009.9 | 3943.8 | 3803.7 | 3663.6 | 3519.3 | 3375.5 | 3294.0 | 3212.9 | *3167.0* | 3212.9 |
| 25° | 4127.4 | 4014.1 | 3900.2 | 3711.0 | 3522.1 | 3352.6 | 3183.4 | 3094.9 | 3006.8 | *2956.2* | 3006.8 |
| 27.5° | 4202.4 | 4029.1 | 3855.7 | 3621.5 | 3387.2 | 3203.6 | 3019.5 | 2935.1 | 2850.8 | *2806.3* | 2850.8 |
| 30° | 4307.8 | 4077.8 | 3847.3 | 3567.1 | 3286.5 | 3094.4 | 2902.3 | 2819.9 | 2736.9 | *2689.2* | 2736.9 |
| 32.5° | 4436.7 | 4146.2 | 3855.7 | 3541.8 | 3227.9 | 3032.1 | 2836.7 | 2757.6 | 2678.9 | *2637.6* | 2678.9 |
| 35° | 4654.5 | 4286.7 | 3919.0 | 3570.9 | 3223.2 | 3041.5 | 2860.2 | 2802.1 | 2744.4 | *2722.0* | 2744.4 |
| 37.5° | 4930.9 | 4501.3 | 4071.2 | 3712.8 | 3354.4 | 3230.7 | 3107.1 | 3107.1 | 3107.1 | *3124.9* | 3107.1 |
| 40° | 5338.5 | 4856.0 | 4373.4 | 4034.2 | 3695.5 | 3688.0 | 3681.4 | 3760.1 | 3839.3 | *3874.5* | 3839.3 |
| 42.5° | 5910.1 | 5399.9 | 4890.2 | 4616.6 | 4343.0 | 4506.9 | 4670.9 | 4898.6 | 5126.3 | *5275.3* | 5126.3 |
| 45° | 6619.8 | 6123.2 | 5626.6 | 5435.5 | 5244.8 | 5609.8 | 5974.3 | 6376.7 | 6779.1 | *7064.9* | 6779.1 |
| 47.5° | 7299.2 | 6881.3 | 6462.9 | 6353.7 | 6245.0 | 6851.7 | 7458.4 | 8048.3 | 8638.1 | *8985.7* | 8638.1 |
| 50° | 8086.2 | 7710.5 | 7334.3 | 7313.2 | 7292.1 | 8100.3 | 8908.4 | 9669.7 | 10431.0 | *10855.0* | 10431.0 |
| 52.5° | 9095.8 | 8683.1 | 8269.9 | 8286.7 | 8302.7 | 9262.6 | 10222.6 | 11143.2 | 12063.8 | *12541.6* | 12063.8 |
| 55° | 10302.2 | 9784.5 | 9266.8 | 9264.0 | 9261.2 | 10364.1 | 11467.8 | 12598.8 | 13730.7 | *14368.7* | 13730.7 |
| 57.5° | 11532.0 | 11047.1 | 10562.2 | 10447.0 | 10331.3 | 11484.7 | 12637.7 | 13886.7 | 15136.1 | *15807.0* | 15136.1 |
| 60° | 12454.9 | 12187.9 | 11920.9 | 11736.3 | 11552.2 | 12736.5 | 13921.3 | 15211.6 | 16501.3 | *17170.4* | 16501.3 |
| 62.5° | 12073.1 | 12550.5 | 13027.9 | 13014.3 | 13000.7 | 14279.3 | 15557.8 | 16899.6 | 18242.3 | *18842.9* | 18242.3 |
| 65° | *10784.8* | *11546.1* | *12307.4* | *12831.1* | *13354.5* | *14900.0* | *16445.1* | *17843.1* | *19241.1* | *19854.8* | *19241.1* |
| 67.5° | 9576.0 | 10246.9 | 10918.3 | 11347.0 | 11775.6 | 13517.0 | 15258.9 | 16845.2 | 18431.5 | *19063.1* | 18431.5 |
| 70° | 8418.9 | 9161.9 | 9904.9 | 10211.3 | 10517.7 | 11997.2 | 13476.3 | 14731.4 | 15986.0 | *16233.4* | 15986.0 |
| 72.5° | 7226.5 | 8110.1 | 8994.2 | 9123.9 | 9253.7 | 10330.3 | 11406.9 | 12075.5 | 12744.0 | *12204.3* | 12744.0 |
| 75° | 5917.1 | 6914.1 | 7910.5 | 7997.2 | 8083.9 | 8419.3 | 8755.2 | 8925.3 | 9095.8 | *8789.0* | 9095.8 |
| 77.5° | 3935.4 | 4798.3 | 5661.8 | 5856.2 | 6050.6 | 6274.1 | 6498.0 | 6486.3 | 6474.6 | *6043.6* | 6474.6 |
| 80° | 2309.7 | 2984.8 | 3659.9 | 3685.2 | 3710.5 | 3878.2 | 4045.5 | 4216.5 | 4387.5 | *4113.4* | 4387.5 |
| 82.5° | 1154.8 | 1525.4 | 1896.5 | 1953.6 | 2010.8 | 2113.4 | 2216.0 | 2263.8 | 2312.0 | *2080.1* | 2312.0 |
| 85° | 262.4 | 358.9 | 455.4 | 548.6 | 641.8 | 749.6 | 857.3 | 845.2 | 833.0 | *702.7* | 833.0 |
| 87.5° | 21.1 | 21.6 | 22.5 | 23.0 | 23.4 | 23.9 | 24.4 | 25.8 | 27.2 | *28.1* | 27.2 |
| 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° | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 |
| 2.5° | 3372.7 | 3364.7 | 3357.2 | 3349.7 | 3336.6 | 3324.0 | 3312.3 | 3300.5 | 3270.6 | 3241.1 | 3213.9 |
| 5° | 3771.9 | 3756.4 | 3729.2 | 3702.0 | 3666.4 | 3630.8 | 3578.4 | 3525.4 | 3472.5 | 3420.0 | 3364.7 |
| 7.5° | 4076.4 | 4056.2 | 4021.6 | 3986.9 | 3932.5 | 3878.2 | 3815.4 | 3752.6 | 3663.6 | 3574.6 | 3490.8 |
| 10° | 4228.6 | 4212.7 | 4180.9 | 4148.5 | 4095.6 | 4043.1 | 3969.1 | 3895.5 | 3789.2 | 3682.4 | 3578.4 |
| 12.5° | 4238.9 | 4231.4 | 4211.3 | 4190.7 | 4150.4 | 4109.6 | 4038.9 | 3968.2 | 3862.3 | 3756.4 | 3639.7 |
| 15° | 4085.7 | 4100.3 | 4110.6 | 4120.4 | 4103.6 | 4086.2 | 4045.0 | 4003.3 | 3896.0 | 3789.2 | 3670.7 |
| 17.5° | 3825.3 | 3867.4 | 3923.6 | 3979.9 | 4010.8 | 4042.2 | 4027.2 | 4012.7 | 3912.4 | 3812.6 | 3686.1 |
| 20° | 3548.4 | 3619.1 | 3724.5 | 3829.9 | 3912.9 | 3996.3 | 4019.7 | 4043.1 | 3941.9 | 3840.7 | 3704.9 |
| 22.5° | 3294.0 | 3375.5 | 3519.3 | 3663.6 | 3803.7 | 3943.8 | 4009.9 | 4075.9 | 3983.1 | 3890.9 | 3741.4 |
| 25° | 3094.9 | 3183.4 | 3352.6 | 3522.1 | 3711.0 | 3900.2 | 4014.1 | 4127.4 | 4047.3 | 3967.2 | 3804.2 |
| 27.5° | 2935.1 | 3019.5 | 3203.6 | 3387.2 | 3621.5 | 3855.7 | 4029.1 | 4202.4 | 4141.0 | 4079.7 | 3896.0 |
| 30° | 2819.9 | 2902.3 | 3094.4 | 3286.5 | 3567.1 | 3847.3 | 4077.8 | 4307.8 | 4259.6 | 4211.8 | 4004.7 |
| 32.5° | 2757.6 | 2836.7 | 3032.1 | 3227.9 | 3541.8 | 3855.7 | 4146.2 | 4436.7 | 4406.7 | 4376.7 | 4132.6 |
| 35° | 2802.1 | 2860.2 | 3041.5 | 3223.2 | 3570.9 | 3919.0 | 4286.7 | 4654.5 | 4617.0 | 4579.5 | 4268.5 |
| 37.5° | 3107.1 | 3107.1 | 3230.7 | 3354.4 | 3712.8 | 4071.2 | 4501.3 | 4930.9 | 4886.4 | 4841.9 | 4434.3 |
| 40° | 3760.1 | 3681.4 | 3688.0 | 3695.5 | 4034.2 | 4373.4 | 4856.0 | 5338.5 | 5250.9 | 5162.8 | 4624.0 |
| 42.5° | 4898.6 | 4670.9 | 4506.9 | 4343.0 | 4616.6 | 4890.2 | 5399.9 | 5910.1 | 5724.5 | 5538.6 | 4833.9 |
| 45° | 6376.7 | 5974.3 | 5609.8 | 5244.8 | 5435.5 | 5626.6 | 6123.2 | 6619.8 | 6322.3 | 6024.8 | 5118.8 |
| 47.5° | 8048.3 | 7458.4 | 6851.7 | 6245.0 | 6353.7 | 6462.9 | 6881.3 | 7299.2 | 6922.5 | 6545.8 | 5411.6 |
| 50° | 9669.7 | 8908.4 | 8100.3 | 7292.1 | 7313.2 | 7334.3 | 7710.5 | 8086.2 | 7575.6 | 7064.9 | 5666.9 |
| 52.5° | 11143.2 | 10222.6 | 9262.6 | 8302.7 | 8286.7 | 8269.9 | 8683.1 | 9095.8 | 8284.9 | 7473.4 | 5787.8 |
| 55° | 12598.8 | 11467.8 | 10364.1 | 9261.2 | 9264.0 | 9266.8 | 9784.5 | 10302.2 | 8997.5 | 7692.7 | 5755.9 |
| 57.5° | 13886.7 | 12637.7 | 11484.7 | 10331.3 | 10447.0 | 10562.2 | 11047.1 | 11532.0 | 9595.7 | 7659.9 | 5582.1 |
| 60° | 15211.6 | 13921.3 | 12736.5 | 11552.2 | 11736.3 | 11920.9 | 12187.9 | 12454.9 | 9863.7 | 7272.0 | 5165.6 |
| 62.5° | 16899.6 | 15557.8 | 14279.3 | 13000.7 | 13014.3 | 13027.9 | 12550.5 | 12073.1 | 9269.2 | 6465.2 | 4483.0 |
| 65° | *17843.1* | *16445.1* | *14900.0* | *13354.5* | *12831.1* | *12307.4* | *11546.1* | *10784.8* | *7994.9* | *5205.0* | *3516.5* |
| 67.5° | 16845.2 | 15258.9 | 13517.0 | 11775.6 | 11347.0 | 10918.3 | 10246.9 | 9576.0 | 6866.3 | 4156.5 | 2736.5 |
| 70° | 14731.4 | 13476.3 | 11997.2 | 10517.7 | 10211.3 | 9904.9 | 9161.9 | 8418.9 | 5833.2 | 3247.6 | 2097.0 |
| 72.5° | 12075.5 | 11406.9 | 10330.3 | 9253.7 | 9123.9 | 8994.2 | 8110.1 | 7226.5 | 4843.8 | 2460.5 | 1576.5 |
| 75° | 8925.3 | 8755.2 | 8419.3 | 8083.9 | 7997.2 | 7910.5 | 6914.1 | 5917.1 | 3867.4 | 1817.8 | 1168.4 |
| 77.5° | 6486.3 | 6498.0 | 6274.1 | 6050.6 | 5856.2 | 5661.8 | 4798.3 | 3935.4 | 2537.4 | 1139.4 | 755.2 |
| 80° | 4216.5 | 4045.5 | 3878.2 | 3710.5 | 3685.2 | 3659.9 | 2984.8 | 2309.7 | 1454.7 | 599.7 | 417.4 |
| 82.5° | 2263.8 | 2216.0 | 2113.4 | 2010.8 | 1953.6 | 1896.5 | 1525.4 | 1154.8 | 729.0 | 303.6 | 224.4 |
| 85° | 845.2 | 857.3 | 749.6 | 641.8 | 548.6 | 455.4 | 358.9 | 262.4 | 173.3 | 84.3 | 71.2 |
| 87.5° | 25.8 | 24.4 | 23.9 | 23.4 | 23.0 | 22.5 | 21.6 | 21.1 | 20.6 | 19.7 | 19.2 |
| 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-SB5A-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 |
| 2.5° | 3186.7 | 3159.5 | 3131.9 | 3105.7 | 3079.0 | 3052.2 | 3028.8 | 3003.5 | 2978.7 | 2959.0 | 2939.8 |
| 5° | 3309.9 | 3256.0 | 3202.2 | 3151.1 | 3100.5 | 3047.6 | 3002.1 | 2957.1 | 2913.1 | 2876.6 | 2840.0 |
| 7.5° | 3406.9 | 3331.9 | 3257.0 | 3190.0 | 3122.5 | 3052.2 | 2997.4 | 2942.6 | 2888.3 | 2841.0 | 2793.2 |
| 10° | 3473.9 | 3381.6 | 3288.8 | 3211.5 | 3134.2 | 3059.3 | 3000.7 | 2943.1 | 2885.9 | 2837.2 | 2788.5 |
| 12.5° | 3523.1 | 3419.5 | 3316.0 | 3230.7 | 3145.9 | 3064.0 | 3006.8 | 2959.0 | 2911.7 | 2877.5 | 2843.8 |
| 15° | 3552.1 | 3440.6 | 3328.7 | 3232.6 | 3136.6 | 3045.2 | 2994.6 | 2963.7 | 2932.8 | 2930.0 | 2927.2 |
| 17.5° | 3559.6 | 3432.2 | 3305.2 | 3193.3 | 3081.8 | 2974.9 | 2931.8 | 2927.6 | 2923.4 | 2969.8 | 3016.2 |
| 20° | 3569.0 | 3419.5 | 3270.1 | 3123.0 | 2975.9 | 2834.4 | 2807.2 | 2833.9 | 2860.2 | 2951.1 | 3041.5 |
| 22.5° | 3592.4 | 3409.7 | 3227.0 | 3042.4 | 2857.8 | 2689.2 | 2663.4 | 2702.7 | 2741.6 | 2860.2 | 2978.7 |
| 25° | 3641.1 | 3408.8 | 3176.4 | 2946.4 | 2716.3 | 2522.8 | 2520.5 | 2563.1 | 2605.8 | 2715.4 | 2825.0 |
| 27.5° | 3712.8 | 3417.7 | 3122.5 | 2848.0 | 2573.0 | 2375.3 | 2387.0 | 2427.7 | 2469.0 | 2550.5 | 2632.0 |
| 30° | 3797.2 | 3436.9 | 3077.1 | 2762.2 | 2447.9 | 2255.8 | 2268.5 | 2300.3 | 2332.2 | 2391.2 | 2450.2 |
| 32.5° | 3888.5 | 3458.4 | 3028.8 | 2687.3 | 2346.2 | 2169.1 | 2169.1 | 2182.7 | 2196.3 | 2234.7 | 2273.1 |
| 35° | 3957.8 | 3453.3 | 2949.2 | 2602.0 | 2254.4 | 2117.6 | 2088.6 | 2077.3 | 2066.1 | 2091.4 | 2116.7 |
| 37.5° | 4026.7 | 3438.8 | 2850.8 | 2507.4 | 2164.4 | 2056.7 | 2001.4 | 1971.4 | 1940.5 | 1952.7 | 1963.9 |
| 40° | 4085.3 | 3406.0 | 2726.6 | 2394.5 | 2062.3 | 1977.1 | 1907.7 | 1862.7 | 1817.8 | 1816.8 | 1815.4 |
| 42.5° | 4128.4 | 3349.3 | 2569.7 | 2260.0 | 1949.9 | 1890.4 | 1804.6 | 1747.5 | 1690.3 | 1684.2 | 1678.2 |
| 45° | 4212.7 | 3310.4 | 2408.1 | 2123.2 | 1838.8 | 1785.0 | 1699.7 | 1640.7 | 1582.6 | 1573.2 | 1563.8 |
| 47.5° | 4277.4 | 3264.9 | 2252.5 | 1987.4 | 1723.1 | 1660.8 | 1581.2 | 1531.0 | 1480.4 | 1474.8 | 1468.7 |
| 50° | 4268.9 | 3187.6 | 2105.9 | 1866.5 | 1626.6 | 1541.3 | 1462.6 | 1421.4 | 1379.7 | 1386.7 | 1393.8 |
| 52.5° | 4101.7 | 3029.3 | 1957.4 | 1757.8 | 1559.2 | 1450.0 | 1365.7 | 1334.7 | 1303.4 | 1325.4 | 1346.9 |
| 55° | 3819.2 | 2819.4 | 1818.7 | 1666.9 | 1514.2 | 1405.5 | 1306.2 | 1271.5 | 1236.8 | 1267.7 | 1298.7 |
| 57.5° | 3504.3 | 2599.7 | 1695.0 | 1590.1 | 1485.1 | 1393.8 | 1272.0 | 1223.2 | 1175.0 | 1205.9 | 1236.8 |
| 60° | 3059.3 | 2321.9 | 1584.5 | 1510.9 | 1437.3 | 1365.7 | 1243.9 | 1183.0 | 1122.0 | 1142.7 | 1162.8 |
| 62.5° | 2500.8 | 1969.6 | 1438.3 | 1397.1 | 1356.3 | 1325.8 | 1209.7 | 1130.0 | 1050.4 | 1053.2 | 1055.1 |
| 65° | *1828.1* | *1547.9* | *1267.3* | *1258.4* | *1249.9* | *1241.5* | *1145.5* | *1059.7* | *974.5* | *965.1* | *955.7* |
| 67.5° | 1316.5 | 1183.4 | 1050.4 | 1075.2 | 1100.0 | 1112.7 | 1047.1 | 971.7 | 895.8 | 876.6 | 857.3 |
| 70° | 946.4 | 899.5 | 852.7 | 889.7 | 926.7 | 922.9 | 891.1 | 846.1 | 801.1 | 788.9 | 776.8 |
| 72.5° | 692.4 | 691.5 | 691.0 | 719.1 | 747.2 | 709.8 | 729.9 | 719.6 | 709.8 | 700.9 | 692.4 |
| 75° | 519.1 | 515.8 | 513.0 | 546.3 | 580.0 | 595.0 | 608.1 | 602.5 | 597.3 | 590.8 | 584.7 |
| 77.5° | 371.0 | 373.9 | 375.7 | 412.3 | 448.8 | 491.9 | 494.3 | 482.1 | 469.4 | 462.9 | 455.4 |
| 80° | 235.2 | 238.0 | 239.9 | 278.3 | 316.2 | 377.1 | 374.8 | 359.8 | 344.3 | 339.2 | 333.6 |
| 82.5° | 145.2 | 145.7 | 146.2 | 164.9 | 183.7 | 217.9 | 227.2 | 227.2 | 227.2 | 223.9 | 220.2 |
| 85° | 58.6 | 61.4 | 64.7 | 76.8 | 89.0 | 107.8 | 113.4 | 114.3 | 114.8 | 109.6 | 104.0 |
| 87.5° | 18.7 | 19.7 | 21.1 | 23.4 | 25.8 | 28.1 | 32.8 | 35.6 | 38.4 | 41.2 | 43.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1364951
CATALOG NUMBER: GSS-SB5A-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 |
| 2.5° | 2922.9 | 2905.6 | 2885.5 | 2864.8 | 2850.3 | 2835.3 | 2825.5 | 2815.7 | 2811.0 | 2806.3 | 2802.5 |
| 5° | 2810.0 | 2779.1 | 2751.9 | 2724.3 | 2702.7 | 2680.7 | 2662.9 | 2644.7 | 2637.2 | 2629.2 | 2624.0 |
| 7.5° | 2752.9 | 2712.6 | 2678.9 | 2644.7 | 2612.3 | 2580.5 | 2559.9 | 2539.2 | 2527.1 | 2514.9 | 2506.0 |
| 10° | 2745.9 | 2703.2 | 2658.7 | 2614.2 | 2578.6 | 2543.0 | 2512.1 | 2482.1 | 2464.8 | 2447.9 | 2438.5 |
| 12.5° | 2804.4 | 2765.1 | 2712.1 | 2658.7 | 2610.5 | 2562.7 | 2524.7 | 2486.8 | 2465.2 | 2444.6 | 2430.6 |
| 15° | 2913.6 | 2900.0 | 2850.8 | 2801.6 | 2735.1 | 2668.1 | 2613.7 | 2558.9 | 2528.9 | 2498.0 | 2480.7 |
| 17.5° | 3042.9 | 3069.6 | 3035.4 | 3000.7 | 2907.0 | 2813.3 | 2732.3 | 2651.7 | 2607.6 | 2563.6 | 2548.1 |
| 20° | 3113.6 | 3185.8 | 3182.0 | 3178.7 | 3056.5 | 2933.7 | 2827.4 | 2721.0 | 2662.0 | 2603.9 | 2580.5 |
| 22.5° | 3082.7 | 3186.7 | 3213.4 | 3239.6 | 3119.7 | 2999.3 | 2868.1 | 2736.9 | 2667.6 | 2597.8 | 2575.8 |
| 25° | 2937.0 | 3049.0 | 3098.6 | 3148.3 | 3049.4 | 2950.6 | 2823.2 | 2696.2 | 2623.1 | 2549.6 | 2527.1 |
| 27.5° | 2722.0 | 2811.9 | 2867.7 | 2923.4 | 2863.0 | 2802.5 | 2699.5 | 2596.4 | 2531.7 | 2466.6 | 2442.7 |
| 30° | 2511.1 | 2572.0 | 2616.5 | 2661.1 | 2621.2 | 2581.4 | 2507.4 | 2433.8 | 2385.6 | 2337.8 | 2322.8 |
| 32.5° | 2318.6 | 2363.6 | 2388.4 | 2412.8 | 2381.8 | 2350.9 | 2302.2 | 2253.5 | 2223.5 | 2193.5 | 2183.7 |
| 35° | 2153.2 | 2190.2 | 2209.0 | 2227.7 | 2201.9 | 2176.2 | 2132.6 | 2089.5 | 2067.9 | 2046.4 | 2038.4 |
| 37.5° | 1995.3 | 2026.2 | 2052.9 | 2080.1 | 2061.4 | 2042.6 | 2005.6 | 1968.6 | 1943.3 | 1917.1 | 1903.0 |
| 40° | 1845.4 | 1874.9 | 1908.6 | 1941.9 | 1938.6 | 1934.9 | 1899.7 | 1864.6 | 1828.1 | 1792.0 | 1772.8 |
| 42.5° | 1707.7 | 1737.2 | 1772.8 | 1808.4 | 1815.4 | 1822.4 | 1793.4 | 1763.9 | 1721.7 | 1679.6 | 1650.0 |
| 45° | 1589.1 | 1615.4 | 1654.3 | 1693.6 | 1710.0 | 1726.4 | 1700.2 | 1673.5 | 1626.1 | 1578.8 | 1543.7 |
| 47.5° | 1495.4 | 1522.6 | 1565.7 | 1609.3 | 1626.6 | 1644.4 | 1626.6 | 1609.3 | 1568.5 | 1527.3 | 1496.4 |
| 50° | 1423.3 | 1452.3 | 1486.1 | 1520.3 | 1552.6 | 1584.5 | 1581.2 | 1577.9 | 1545.6 | 1513.2 | 1484.2 |
| 52.5° | 1373.6 | 1400.8 | 1435.9 | 1471.1 | 1504.8 | 1539.0 | 1544.2 | 1549.8 | 1526.4 | 1502.9 | 1477.6 |
| 55° | 1331.0 | 1363.3 | 1396.1 | 1428.9 | 1460.8 | 1492.2 | 1499.2 | 1506.2 | 1489.3 | 1472.0 | 1453.3 |
| 57.5° | 1272.0 | 1307.1 | 1339.9 | 1372.7 | 1409.7 | 1446.7 | 1452.3 | 1458.0 | 1440.2 | 1421.9 | 1407.8 |
| 60° | 1198.9 | 1234.5 | 1268.7 | 1302.4 | 1339.9 | 1377.4 | 1384.9 | 1392.4 | 1378.3 | 1364.3 | 1351.1 |
| 62.5° | 1095.8 | 1136.1 | 1164.2 | 1192.3 | 1227.9 | 1264.0 | 1274.8 | 1286.0 | 1279.5 | 1273.4 | 1258.4 |
| 65° | *994.1* | *1033.0* | *1055.1* | *1077.5* | *1108.5* | *1139.4* | *1150.2* | *1160.9* | *1157.7* | *1154.8* | *1144.1* |
| 67.5° | 893.0 | 928.6 | 946.8 | 965.1 | 986.2 | 1007.3 | 1019.4 | 1031.6 | 1025.5 | 1019.0 | 1007.7 |
| 70° | 805.8 | 834.9 | 850.8 | 866.7 | 883.6 | 900.4 | 907.0 | 913.6 | 904.2 | 894.8 | 869.5 |
| 72.5° | 714.5 | 736.5 | 750.1 | 763.6 | 779.6 | 795.5 | 799.3 | 803.5 | 788.9 | 774.0 | 744.4 |
| 75° | 601.5 | 618.4 | 628.7 | 639.5 | 655.9 | 672.3 | 679.3 | 686.3 | 665.7 | 645.6 | 614.2 |
| 77.5° | 470.8 | 486.3 | 496.1 | 506.0 | 519.6 | 533.1 | 535.0 | 537.8 | 520.0 | 502.2 | 483.5 |
| 80° | 344.8 | 356.1 | 359.8 | 363.1 | 374.3 | 385.1 | 385.1 | 385.1 | 372.0 | 358.4 | 349.0 |
| 82.5° | 217.9 | 215.5 | 210.8 | 206.1 | 217.4 | 228.6 | 232.4 | 236.6 | 230.5 | 224.9 | 214.6 |
| 85° | 97.4 | 90.0 | 88.5 | 86.7 | 86.2 | 85.3 | 88.5 | 91.4 | 90.0 | 89.0 | 85.3 |
| 87.5° | 45.9 | 47.8 | 46.4 | 44.5 | 42.6 | 41.2 | 37.5 | 33.7 | 30.9 | 28.1 | 26.2 |
| 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: P1364951
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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 |
| 2.5° | 2799.3 | 2796.9 | 2799.3 | 2802.5 | 2806.3 | 2811.0 | 2815.7 | 2825.5 | 2835.3 | 2850.3 | 2864.8 |
| 5° | 2618.9 | 2614.2 | 2618.9 | 2624.0 | 2629.2 | 2637.2 | 2644.7 | 2662.9 | 2680.7 | 2702.7 | 2724.3 |
| 7.5° | 2497.1 | 2492.4 | 2497.1 | 2506.0 | 2514.9 | 2527.1 | 2539.2 | 2559.9 | 2580.5 | 2612.3 | 2644.7 |
| 10° | 2429.1 | 2422.1 | 2429.1 | 2438.5 | 2447.9 | 2464.8 | 2482.1 | 2512.1 | 2543.0 | 2578.6 | 2614.2 |
| 12.5° | 2416.5 | 2408.1 | 2416.5 | 2430.6 | 2444.6 | 2465.2 | 2486.8 | 2524.7 | 2562.7 | 2610.5 | 2658.7 |
| 15° | 2463.3 | 2450.2 | 2463.3 | 2480.7 | 2498.0 | 2528.9 | 2558.9 | 2613.7 | 2668.1 | 2735.1 | 2801.6 |
| 17.5° | 2532.2 | 2525.2 | 2532.2 | 2548.1 | 2563.6 | 2607.6 | 2651.7 | 2732.3 | 2813.3 | 2907.0 | 3000.7 |
| 20° | 2557.0 | 2548.6 | 2557.0 | 2580.5 | 2603.9 | 2662.0 | 2721.0 | 2827.4 | 2933.7 | 3056.5 | 3178.7 |
| 22.5° | 2553.3 | 2543.9 | 2553.3 | 2575.8 | 2597.8 | 2667.6 | 2736.9 | 2868.1 | 2999.3 | 3119.7 | 3239.6 |
| 25° | 2504.1 | 2497.1 | 2504.1 | 2527.1 | 2549.6 | 2623.1 | 2696.2 | 2823.2 | 2950.6 | 3049.4 | 3148.3 |
| 27.5° | 2418.4 | 2403.4 | 2418.4 | 2442.7 | 2466.6 | 2531.7 | 2596.4 | 2699.5 | 2802.5 | 2863.0 | 2923.4 |
| 30° | 2307.3 | 2300.3 | 2307.3 | 2322.8 | 2337.8 | 2385.6 | 2433.8 | 2507.4 | 2581.4 | 2621.2 | 2661.1 |
| 32.5° | 2173.8 | 2169.1 | 2173.8 | 2183.7 | 2193.5 | 2223.5 | 2253.5 | 2302.2 | 2350.9 | 2381.8 | 2412.8 |
| 35° | 2030.9 | 2023.9 | 2030.9 | 2038.4 | 2046.4 | 2067.9 | 2089.5 | 2132.6 | 2176.2 | 2201.9 | 2227.7 |
| 37.5° | 1889.0 | 1878.7 | 1889.0 | 1903.0 | 1917.1 | 1943.3 | 1968.6 | 2005.6 | 2042.6 | 2061.4 | 2080.1 |
| 40° | 1753.1 | 1742.8 | 1753.1 | 1772.8 | 1792.0 | 1828.1 | 1864.6 | 1899.7 | 1934.9 | 1938.6 | 1941.9 |
| 42.5° | 1621.0 | 1602.3 | 1621.0 | 1650.0 | 1679.6 | 1721.7 | 1763.9 | 1793.4 | 1822.4 | 1815.4 | 1808.4 |
| 45° | 1508.6 | 1485.1 | 1508.6 | 1543.7 | 1578.8 | 1626.1 | 1673.5 | 1700.2 | 1726.4 | 1710.0 | 1693.6 |
| 47.5° | 1465.5 | 1443.0 | 1465.5 | 1496.4 | 1527.3 | 1568.5 | 1609.3 | 1626.6 | 1644.4 | 1626.6 | 1609.3 |
| 50° | 1454.7 | 1433.6 | 1454.7 | 1484.2 | 1513.2 | 1545.6 | 1577.9 | 1581.2 | 1584.5 | 1552.6 | 1520.3 |
| 52.5° | 1452.3 | 1433.6 | 1452.3 | 1477.6 | 1502.9 | 1526.4 | 1549.8 | 1544.2 | 1539.0 | 1504.8 | 1471.1 |
| 55° | 1434.5 | 1419.5 | 1434.5 | 1453.3 | 1472.0 | 1489.3 | 1506.2 | 1499.2 | 1492.2 | 1460.8 | 1428.9 |
| 57.5° | 1393.8 | 1386.7 | 1393.8 | 1407.8 | 1421.9 | 1440.2 | 1458.0 | 1452.3 | 1446.7 | 1409.7 | 1372.7 |
| 60° | 1337.6 | 1325.8 | 1337.6 | 1351.1 | 1364.3 | 1378.3 | 1392.4 | 1384.9 | 1377.4 | 1339.9 | 1302.4 |
| 62.5° | 1243.9 | 1227.5 | 1243.9 | 1258.4 | 1273.4 | 1279.5 | 1286.0 | 1274.8 | 1264.0 | 1227.9 | 1192.3 |
| 65° | *1133.8* | *1115.0* | *1133.8* | *1144.1* | *1154.8* | *1157.7* | *1160.9* | *1150.2* | *1139.4* | *1108.5* | *1077.5* |
| 67.5° | 997.0 | 993.2 | 997.0 | 1007.7 | 1019.0 | 1025.5 | 1031.6 | 1019.4 | 1007.3 | 986.2 | 965.1 |
| 70° | 844.2 | 815.2 | 844.2 | 869.5 | 894.8 | 904.2 | 913.6 | 907.0 | 900.4 | 883.6 | 866.7 |
| 72.5° | 714.5 | 684.0 | 714.5 | 744.4 | 774.0 | 788.9 | 803.5 | 799.3 | 795.5 | 779.6 | 763.6 |
| 75° | 583.3 | 562.2 | 583.3 | 614.2 | 645.6 | 665.7 | 686.3 | 679.3 | 672.3 | 655.9 | 639.5 |
| 77.5° | 464.7 | 454.4 | 464.7 | 483.5 | 502.2 | 520.0 | 537.8 | 535.0 | 533.1 | 519.6 | 506.0 |
| 80° | 339.7 | 332.6 | 339.7 | 349.0 | 358.4 | 372.0 | 385.1 | 385.1 | 385.1 | 374.3 | 363.1 |
| 82.5° | 203.8 | 196.8 | 203.8 | 214.6 | 224.9 | 230.5 | 236.6 | 232.4 | 228.6 | 217.4 | 206.1 |
| 85° | 82.0 | 79.6 | 82.0 | 85.3 | 89.0 | 90.0 | 91.4 | 88.5 | 85.3 | 86.2 | 86.7 |
| 87.5° | 24.4 | 23.4 | 24.4 | 26.2 | 28.1 | 30.9 | 33.7 | 37.5 | 41.2 | 42.6 | 44.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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Scaled Data Report

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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 |
| 2.5° | 2885.5 | 2905.6 | 2922.9 | 2939.8 | 2959.0 | 2978.7 | 3003.5 | 3028.8 | 3052.2 | 3079.0 | 3105.7 |
| 5° | 2751.9 | 2779.1 | 2810.0 | 2840.0 | 2876.6 | 2913.1 | 2957.1 | 3002.1 | 3047.6 | 3100.5 | 3151.1 |
| 7.5° | 2678.9 | 2712.6 | 2752.9 | 2793.2 | 2841.0 | 2888.3 | 2942.6 | 2997.4 | 3052.2 | 3122.5 | 3190.0 |
| 10° | 2658.7 | 2703.2 | 2745.9 | 2788.5 | 2837.2 | 2885.9 | 2943.1 | 3000.7 | 3059.3 | 3134.2 | 3211.5 |
| 12.5° | 2712.1 | 2765.1 | 2804.4 | 2843.8 | 2877.5 | 2911.7 | 2959.0 | 3006.8 | 3064.0 | 3145.9 | 3230.7 |
| 15° | 2850.8 | 2900.0 | 2913.6 | 2927.2 | 2930.0 | 2932.8 | 2963.7 | 2994.6 | 3045.2 | 3136.6 | 3232.6 |
| 17.5° | 3035.4 | 3069.6 | 3042.9 | 3016.2 | 2969.8 | 2923.4 | 2927.6 | 2931.8 | 2974.9 | 3081.8 | 3193.3 |
| 20° | 3182.0 | 3185.8 | 3113.6 | 3041.5 | 2951.1 | 2860.2 | 2833.9 | 2807.2 | 2834.4 | 2975.9 | 3123.0 |
| 22.5° | 3213.4 | 3186.7 | 3082.7 | 2978.7 | 2860.2 | 2741.6 | 2702.7 | 2663.4 | 2689.2 | 2857.8 | 3042.4 |
| 25° | 3098.6 | 3049.0 | 2937.0 | 2825.0 | 2715.4 | 2605.8 | 2563.1 | 2520.5 | 2522.8 | 2716.3 | 2946.4 |
| 27.5° | 2867.7 | 2811.9 | 2722.0 | 2632.0 | 2550.5 | 2469.0 | 2427.7 | 2387.0 | 2375.3 | 2573.0 | 2848.0 |
| 30° | 2616.5 | 2572.0 | 2511.1 | 2450.2 | 2391.2 | 2332.2 | 2300.3 | 2268.5 | 2255.8 | 2447.9 | 2762.2 |
| 32.5° | 2388.4 | 2363.6 | 2318.6 | 2273.1 | 2234.7 | 2196.3 | 2182.7 | 2169.1 | 2169.1 | 2346.2 | 2687.3 |
| 35° | 2209.0 | 2190.2 | 2153.2 | 2116.7 | 2091.4 | 2066.1 | 2077.3 | 2088.6 | 2117.6 | 2254.4 | 2602.0 |
| 37.5° | 2052.9 | 2026.2 | 1995.3 | 1963.9 | 1952.7 | 1940.5 | 1971.4 | 2001.4 | 2056.7 | 2164.4 | 2507.4 |
| 40° | 1908.6 | 1874.9 | 1845.4 | 1815.4 | 1816.8 | 1817.8 | 1862.7 | 1907.7 | 1977.1 | 2062.3 | 2394.5 |
| 42.5° | 1772.8 | 1737.2 | 1707.7 | 1678.2 | 1684.2 | 1690.3 | 1747.5 | 1804.6 | 1890.4 | 1949.9 | 2260.0 |
| 45° | 1654.3 | 1615.4 | 1589.1 | 1563.8 | 1573.2 | 1582.6 | 1640.7 | 1699.7 | 1785.0 | 1838.8 | 2123.2 |
| 47.5° | 1565.7 | 1522.6 | 1495.4 | 1468.7 | 1474.8 | 1480.4 | 1531.0 | 1581.2 | 1660.8 | 1723.1 | 1987.4 |
| 50° | 1486.1 | 1452.3 | 1423.3 | 1393.8 | 1386.7 | 1379.7 | 1421.4 | 1462.6 | 1541.3 | 1626.6 | 1866.5 |
| 52.5° | 1435.9 | 1400.8 | 1373.6 | 1346.9 | 1325.4 | 1303.4 | 1334.7 | 1365.7 | 1450.0 | 1559.2 | 1757.8 |
| 55° | 1396.1 | 1363.3 | 1331.0 | 1298.7 | 1267.7 | 1236.8 | 1271.5 | 1306.2 | 1405.5 | 1514.2 | 1666.9 |
| 57.5° | 1339.9 | 1307.1 | 1272.0 | 1236.8 | 1205.9 | 1175.0 | 1223.2 | 1272.0 | 1393.8 | 1485.1 | 1590.1 |
| 60° | 1268.7 | 1234.5 | 1198.9 | 1162.8 | 1142.7 | 1122.0 | 1183.0 | 1243.9 | 1365.7 | 1437.3 | 1510.9 |
| 62.5° | 1164.2 | 1136.1 | 1095.8 | 1055.1 | 1053.2 | 1050.4 | 1130.0 | 1209.7 | 1325.8 | 1356.3 | 1397.1 |
| 65° | *1055.1* | *1033.0* | *994.1* | *955.7* | *965.1* | *974.5* | *1059.7* | *1145.5* | *1241.5* | *1249.9* | *1258.4* |
| 67.5° | 946.8 | 928.6 | 893.0 | 857.3 | 876.6 | 895.8 | 971.7 | 1047.1 | 1112.7 | 1100.0 | 1075.2 |
| 70° | 850.8 | 834.9 | 805.8 | 776.8 | 788.9 | 801.1 | 846.1 | 891.1 | 922.9 | 926.7 | 889.7 |
| 72.5° | 750.1 | 736.5 | 714.5 | 692.4 | 700.9 | 709.8 | 719.6 | 729.9 | 709.8 | 747.2 | 719.1 |
| 75° | 628.7 | 618.4 | 601.5 | 584.7 | 590.8 | 597.3 | 602.5 | 608.1 | 595.0 | 580.0 | 546.3 |
| 77.5° | 496.1 | 486.3 | 470.8 | 455.4 | 462.9 | 469.4 | 482.1 | 494.3 | 491.9 | 448.8 | 412.3 |
| 80° | 359.8 | 356.1 | 344.8 | 333.6 | 339.2 | 344.3 | 359.8 | 374.8 | 377.1 | 316.2 | 278.3 |
| 82.5° | 210.8 | 215.5 | 217.9 | 220.2 | 223.9 | 227.2 | 227.2 | 227.2 | 217.9 | 183.7 | 164.9 |
| 85° | 88.5 | 90.0 | 97.4 | 104.0 | 109.6 | 114.8 | 114.3 | 113.4 | 107.8 | 89.0 | 76.8 |
| 87.5° | 46.4 | 47.8 | 45.9 | 43.1 | 41.2 | 38.4 | 35.6 | 32.8 | 28.1 | 25.8 | 23.4 |
| 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: P1364951
CATALOG NUMBER: GSS-SB5A-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 | 3054.6 |
| 2.5° | 3131.9 | 3159.5 | 3186.7 | 3213.9 | 3241.1 | 3270.6 | 3300.5 |
| 5° | 3202.2 | 3256.0 | 3309.9 | 3364.7 | 3420.0 | 3472.5 | 3525.4 |
| 7.5° | 3257.0 | 3331.9 | 3406.9 | 3490.8 | 3574.6 | 3663.6 | 3752.6 |
| 10° | 3288.8 | 3381.6 | 3473.9 | 3578.4 | 3682.4 | 3789.2 | 3895.5 |
| 12.5° | 3316.0 | 3419.5 | 3523.1 | 3639.7 | 3756.4 | 3862.3 | 3968.2 |
| 15° | 3328.7 | 3440.6 | 3552.1 | 3670.7 | 3789.2 | 3896.0 | 4003.3 |
| 17.5° | 3305.2 | 3432.2 | 3559.6 | 3686.1 | 3812.6 | 3912.4 | 4012.7 |
| 20° | 3270.1 | 3419.5 | 3569.0 | 3704.9 | 3840.7 | 3941.9 | 4043.1 |
| 22.5° | 3227.0 | 3409.7 | 3592.4 | 3741.4 | 3890.9 | 3983.1 | 4075.9 |
| 25° | 3176.4 | 3408.8 | 3641.1 | 3804.2 | 3967.2 | 4047.3 | 4127.4 |
| 27.5° | 3122.5 | 3417.7 | 3712.8 | 3896.0 | 4079.7 | 4141.0 | 4202.4 |
| 30° | 3077.1 | 3436.9 | 3797.2 | 4004.7 | 4211.8 | 4259.6 | 4307.8 |
| 32.5° | 3028.8 | 3458.4 | 3888.5 | 4132.6 | 4376.7 | 4406.7 | 4436.7 |
| 35° | 2949.2 | 3453.3 | 3957.8 | 4268.5 | 4579.5 | 4617.0 | 4654.5 |
| 37.5° | 2850.8 | 3438.8 | 4026.7 | 4434.3 | 4841.9 | 4886.4 | 4930.9 |
| 40° | 2726.6 | 3406.0 | 4085.3 | 4624.0 | 5162.8 | 5250.9 | 5338.5 |
| 42.5° | 2569.7 | 3349.3 | 4128.4 | 4833.9 | 5538.6 | 5724.5 | 5910.1 |
| 45° | 2408.1 | 3310.4 | 4212.7 | 5118.8 | 6024.8 | 6322.3 | 6619.8 |
| 47.5° | 2252.5 | 3264.9 | 4277.4 | 5411.6 | 6545.8 | 6922.5 | 7299.2 |
| 50° | 2105.9 | 3187.6 | 4268.9 | 5666.9 | 7064.9 | 7575.6 | 8086.2 |
| 52.5° | 1957.4 | 3029.3 | 4101.7 | 5787.8 | 7473.4 | 8284.9 | 9095.8 |
| 55° | 1818.7 | 2819.4 | 3819.2 | 5755.9 | 7692.7 | 8997.5 | 10302.2 |
| 57.5° | 1695.0 | 2599.7 | 3504.3 | 5582.1 | 7659.9 | 9595.7 | 11532.0 |
| 60° | 1584.5 | 2321.9 | 3059.3 | 5165.6 | 7272.0 | 9863.7 | 12454.9 |
| 62.5° | 1438.3 | 1969.6 | 2500.8 | 4483.0 | 6465.2 | 9269.2 | 12073.1 |
| 65° | *1267.3* | *1547.9* | *1828.1* | *3516.5* | *5205.0* | *7994.9* | *10784.8* |
| 67.5° | 1050.4 | 1183.4 | 1316.5 | 2736.5 | 4156.5 | 6866.3 | 9576.0 |
| 70° | 852.7 | 899.5 | 946.4 | 2097.0 | 3247.6 | 5833.2 | 8418.9 |
| 72.5° | 691.0 | 691.5 | 692.4 | 1576.5 | 2460.5 | 4843.8 | 7226.5 |
| 75° | 513.0 | 515.8 | 519.1 | 1168.4 | 1817.8 | 3867.4 | 5917.1 |
| 77.5° | 375.7 | 373.9 | 371.0 | 755.2 | 1139.4 | 2537.4 | 3935.4 |
| 80° | 239.9 | 238.0 | 235.2 | 417.4 | 599.7 | 1454.7 | 2309.7 |
| 82.5° | 146.2 | 145.7 | 145.2 | 224.4 | 303.6 | 729.0 | 1154.8 |
| 85° | 64.7 | 61.4 | 58.6 | 71.2 | 84.3 | 173.3 | 262.4 |
| 87.5° | 21.1 | 19.7 | 18.7 | 19.2 | 19.7 | 20.6 | 21.1 |
| 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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

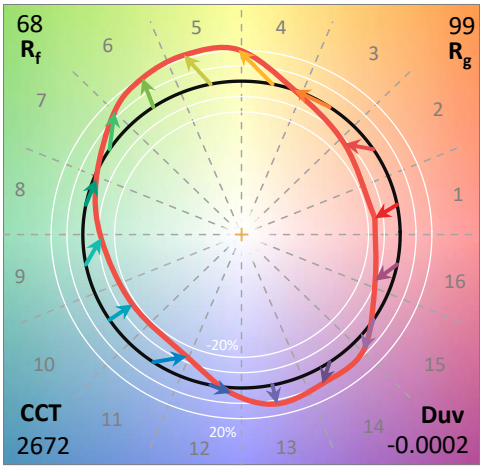
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-3 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/15/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGraw-Edison |
| Catalog Number: | **GSS-SB1A-727-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2672 |
| CIE u': | 0.2638 |
| CIE v': | 0.5276 |
| Duv: | -0.0002 |
| CIE x: | 0.4619 |
| CIE y: | 0.4106 |
| CIE z: | 0.1275 |
| Peak Wavelength (nm): | 601 |
| Dominant Wavelength (nm): | 584 |
| Purity: | 61.88407 |
| Rf: | 67.9 |
| Rg: | 98.6 |

| | |
|---|---|
| CRI (Ra): | 71.1 |
| R1: | 68.3 |
| R2: | 79.8 |
| R3: | 91.2 |
| R4: | 69.4 |
| R5: | 66.5 |
| R6: | 72.6 |
| R7: | 77.0 |
| R8: | 44.1 |
| R9: | -27.8 |
| R10: | 54.4 |
| R11: | 65.8 |
| R12: | 45.6 |
| R13: | 69.8 |
| R14: | 94.5 |
| R15: | 60.1 |



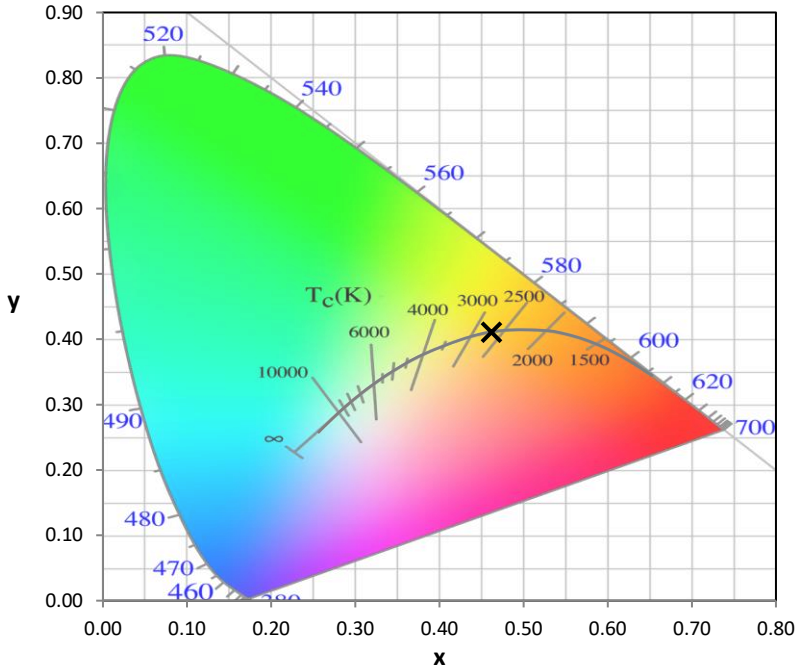

## Test Conditions

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

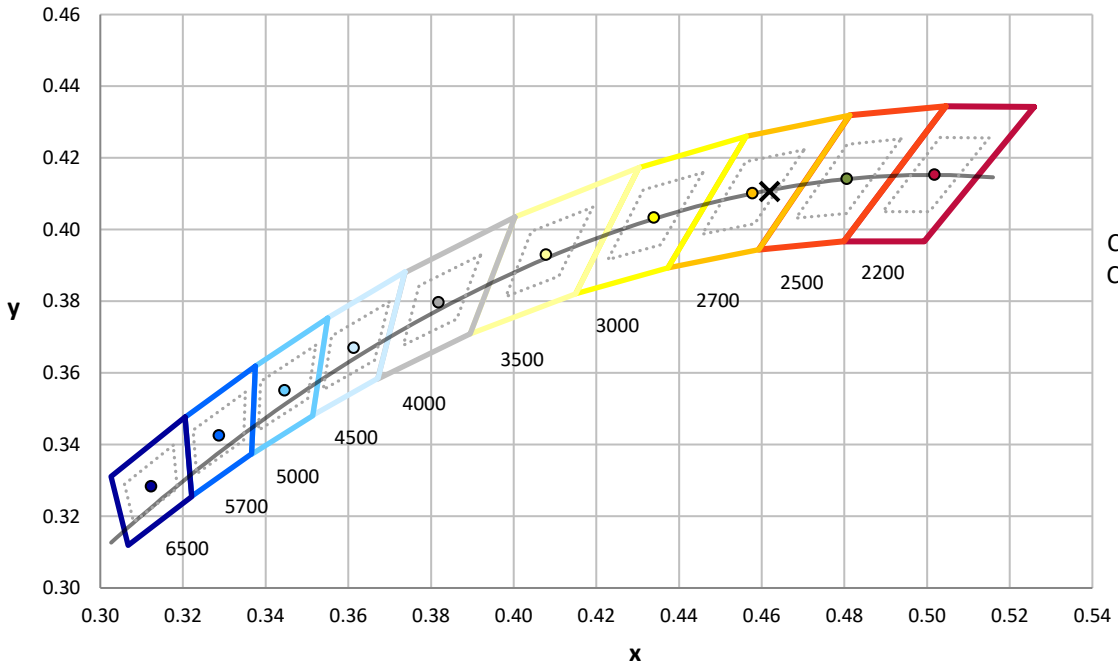
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC Power Source | IN0208 | 10/24/2023 | 10/24/2024 |
| Sphere Thermometer | IN0085 | 10/24/2023 | 10/24/2024 |
| Room Thermometer | IN0046 | 10/24/2023 | 10/24/2024 |

REPORT NUMBER: SP1-2407-184-3

## CIE 1931 Chromaticity Diagram




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

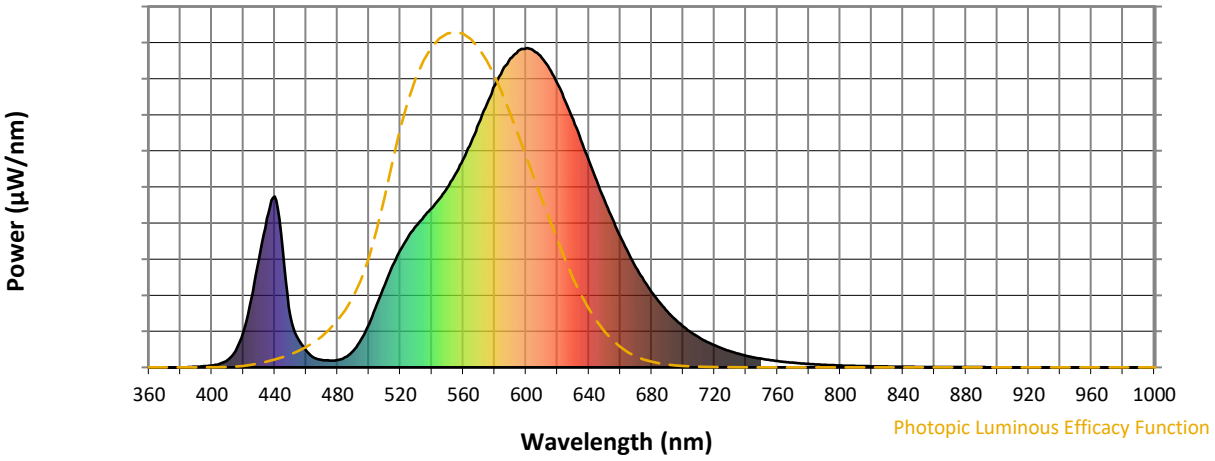



CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

## Photopic Flux vs. Wavelength

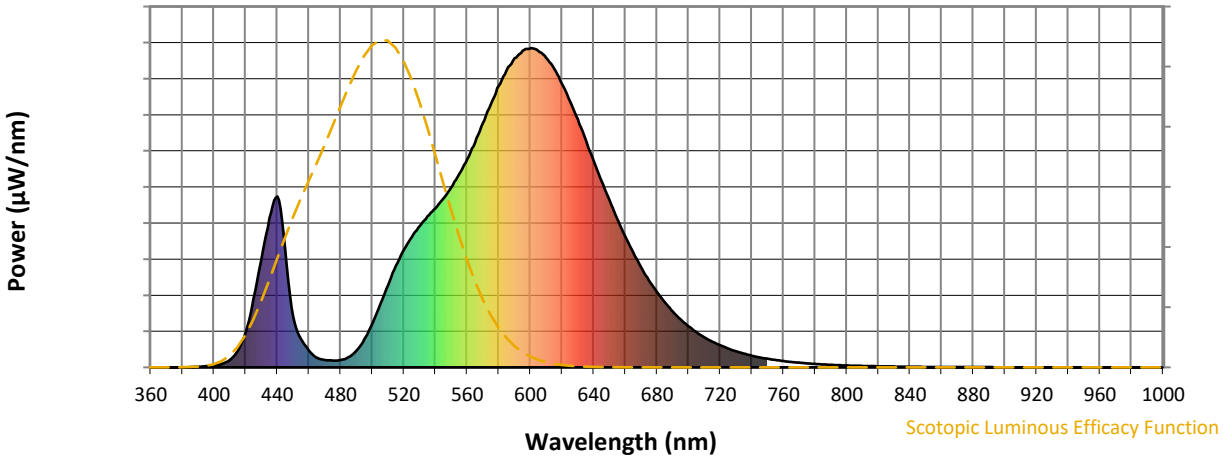



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Scotopic Flux vs. Wavelength

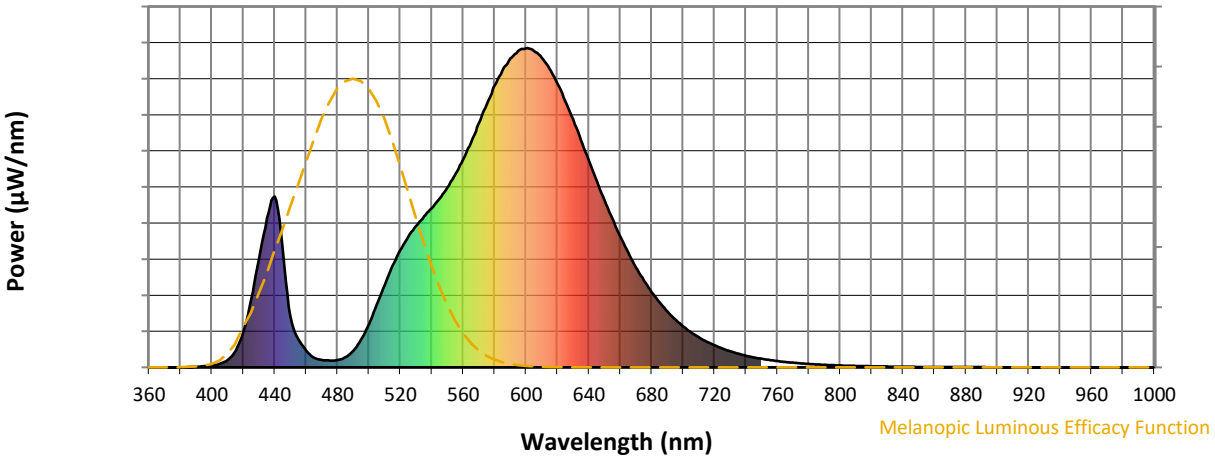



**Scotopic Lumens: NR** **S/P: 1.02**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 1.71**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

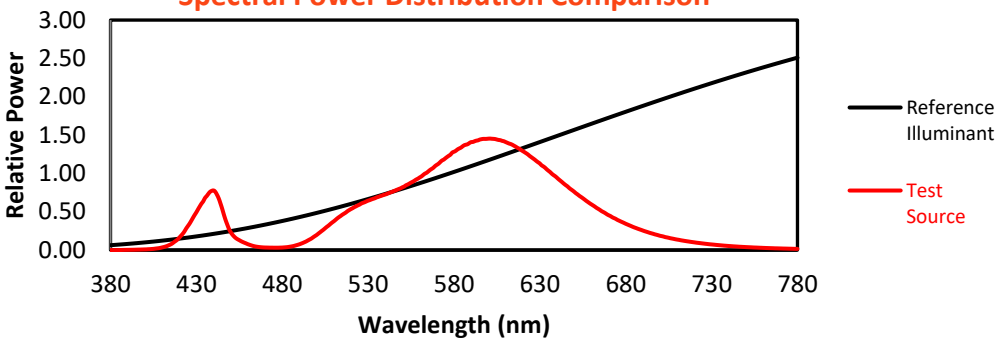
REPORT NUMBER: SP1-2407-184-3

# TM-30-18

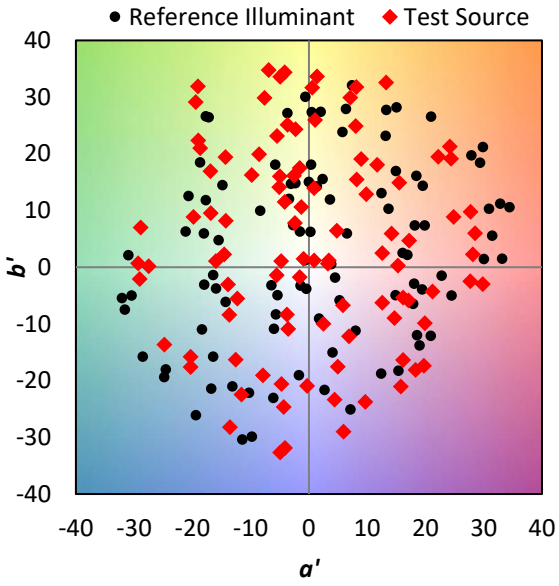
## Summary

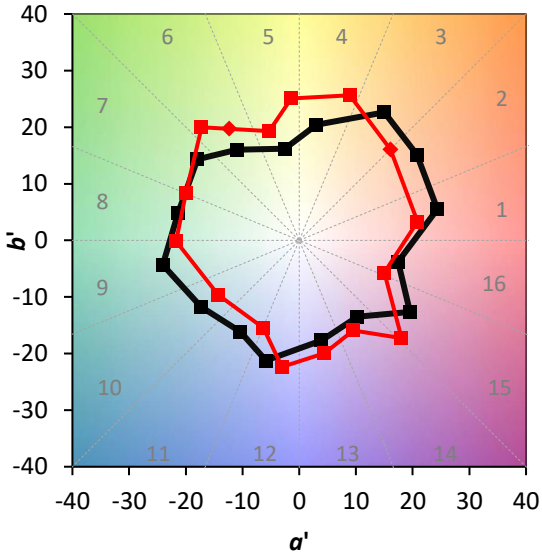
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$R_g$ = 98.6
CIE $R_a$ = 71.1
$R_9$ = -27.8

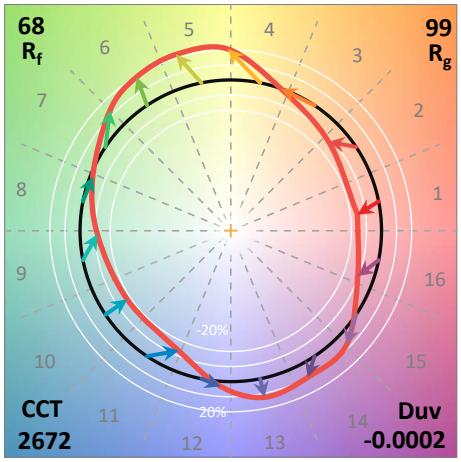
## Spectral Power Distribution Comparison

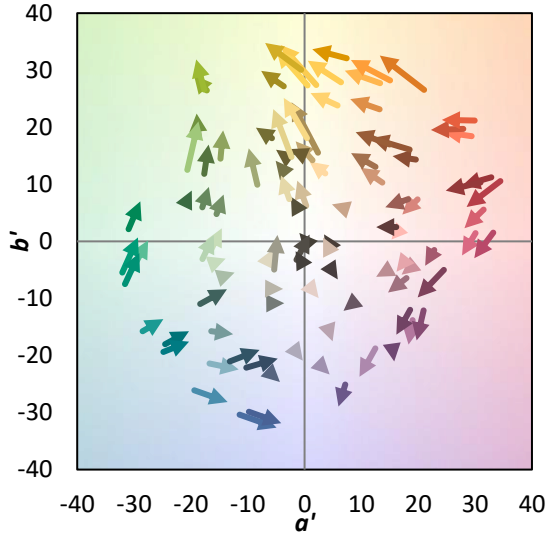



## Color Vector Graphics



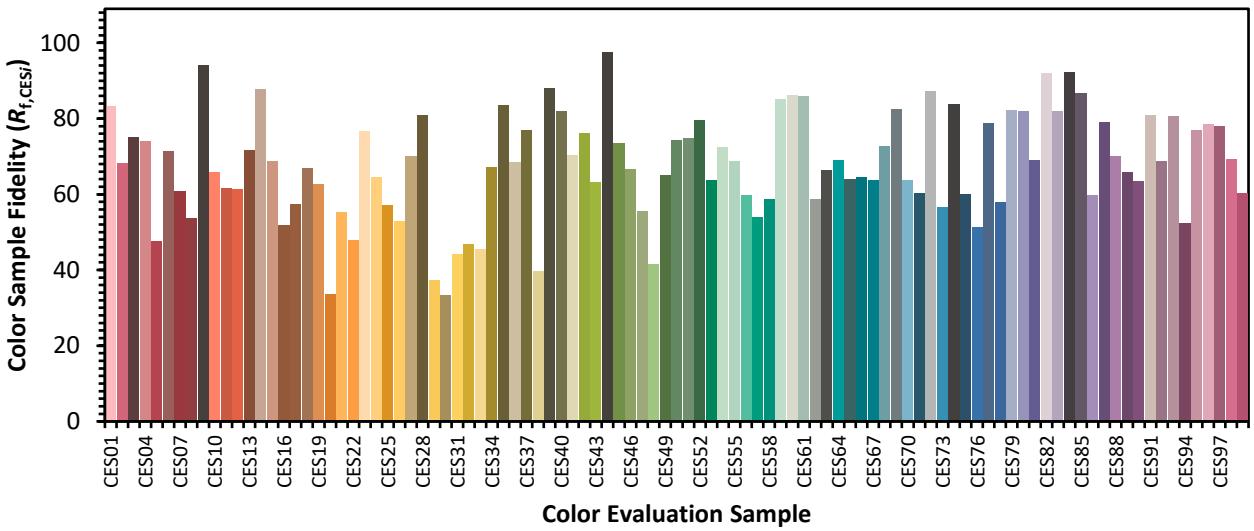



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**Individual Sample Fidelity Index ($R_{f,i}$)**

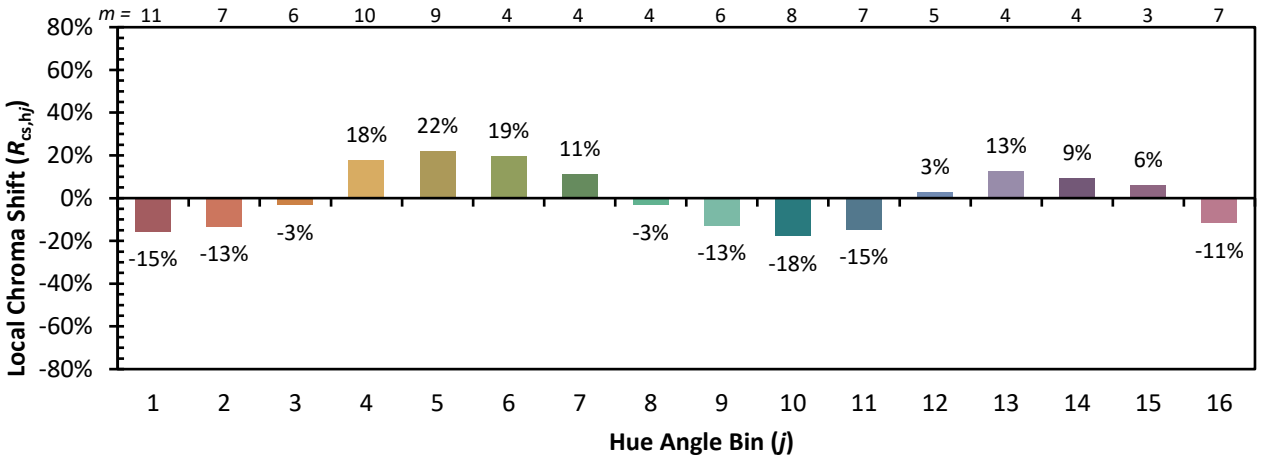
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 53 | CES51 = 75 | CES76 = 51 |
| CES02 = 63 | CES27 = 70 | CES52 = 80 | CES77 = 79 |
| CES03 = 31 | CES28 = 81 | CES53 = 64 | CES78 = 58 |
| CES04 = 71 | CES29 = 37 | CES54 = 73 | CES79 = 82 |
| CES05 = 50 | CES30 = 33 | CES55 = 69 | CES80 = 82 |
| CES06 = 52 | CES31 = 44 | CES56 = 60 | CES81 = 69 |
| CES07 = 42 | CES32 = 47 | CES57 = 54 | CES82 = 92 |
| CES08 = 41 | CES33 = 45 | CES58 = 59 | CES83 = 82 |
| CES09 = 29 | CES34 = 67 | CES59 = 85 | CES84 = 92 |
| CES10 = 77 | CES35 = 84 | CES60 = 86 | CES85 = 87 |
| CES11 = 60 | CES36 = 68 | CES61 = 86 | CES86 = 60 |
| CES12 = 66 | CES37 = 77 | CES62 = 59 | CES87 = 79 |
| CES13 = 44 | CES38 = 40 | CES63 = 66 | CES88 = 70 |
| CES14 = 74 | CES39 = 88 | CES64 = 69 | CES89 = 66 |
| CES15 = 72 | CES40 = 82 | CES65 = 64 | CES90 = 64 |
| CES16 = 48 | CES41 = 70 | CES66 = 65 | CES91 = 81 |
| CES17 = 51 | CES42 = 76 | CES67 = 64 | CES92 = 69 |
| CES18 = 57 | CES43 = 63 | CES68 = 73 | CES93 = 81 |
| CES19 = 73 | CES44 = 97 | CES69 = 83 | CES94 = 53 |
| CES20 = 67 | CES45 = 74 | CES70 = 64 | CES95 = 77 |
| CES21 = 88 | CES46 = 67 | CES71 = 60 | CES96 = 79 |
| CES22 = 80 | CES47 = 55 | CES72 = 87 | CES97 = 78 |
| CES23 = 92 | CES48 = 42 | CES73 = 57 | CES98 = 69 |
| CES24 = 92 | CES49 = 65 | CES74 = 84 | CES99 = 60 |
| CES25 = 73 | CES50 = 74 | CES75 = 60 | |

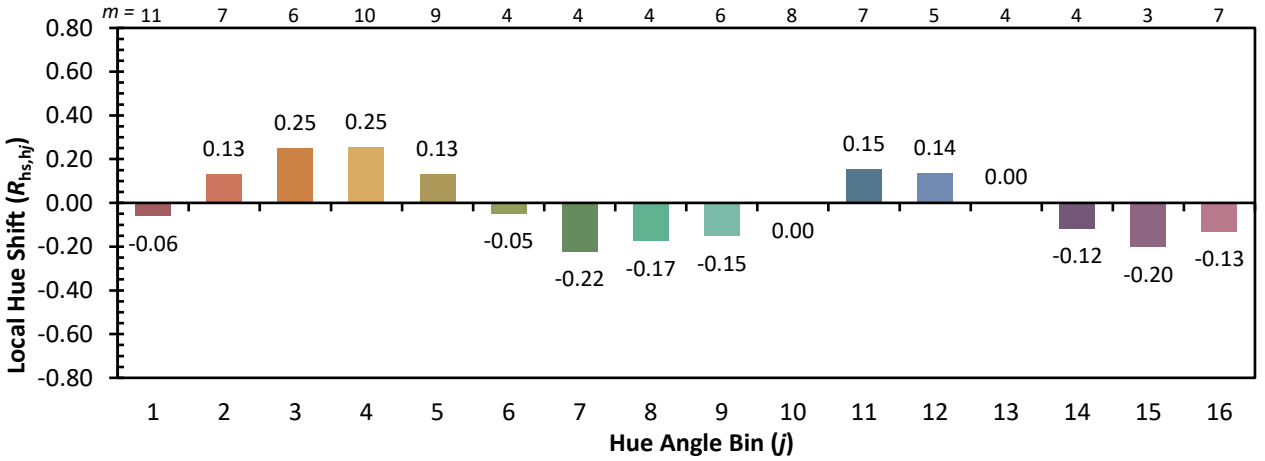


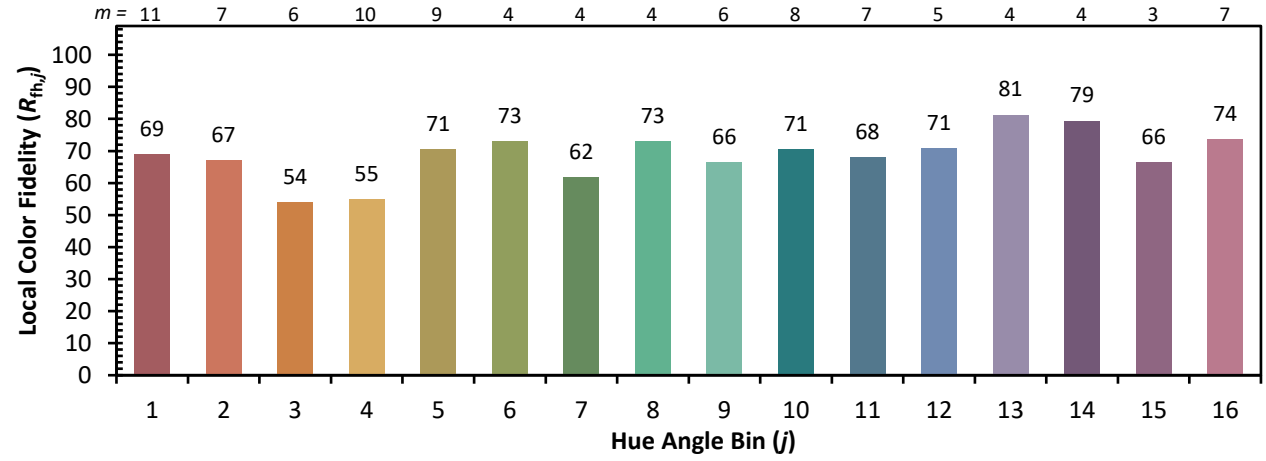
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## Color Rendition by Hue-Angle Bin



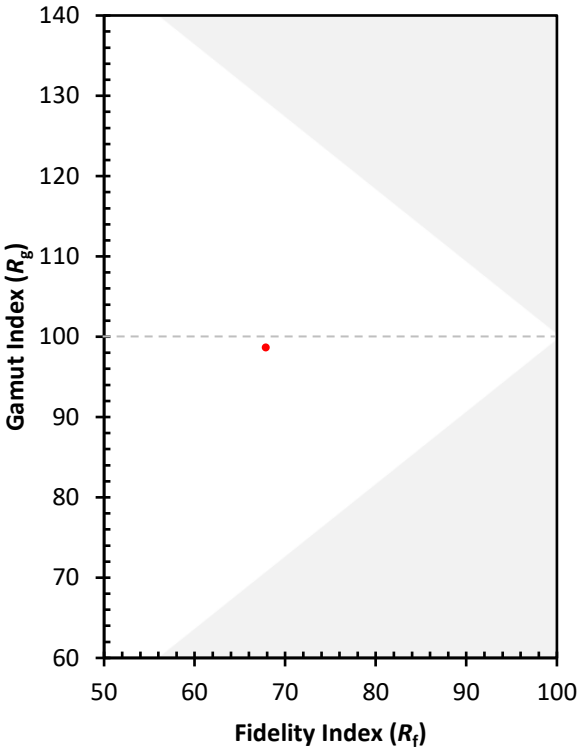



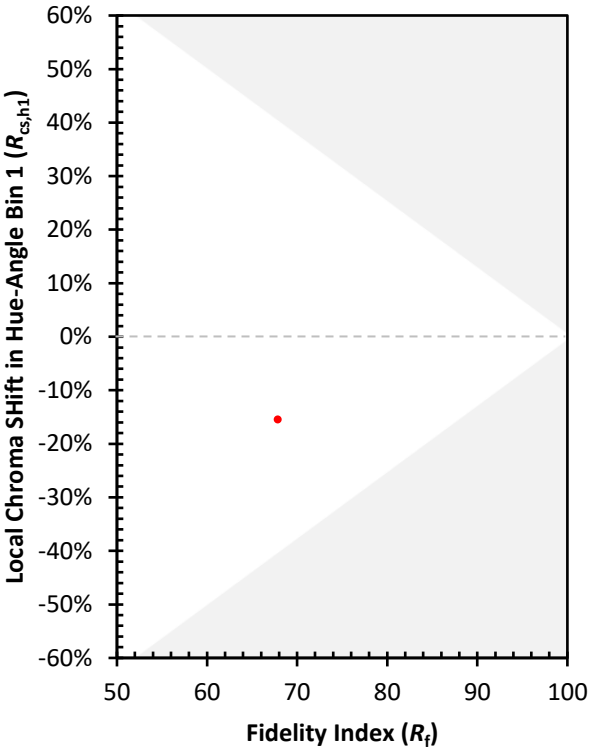



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### Measure Comparisons




(END OF REPORT)