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: P1365047

Luminaire Tested: **GSS-SB5A-760-U-SLL**

Issue Date: 02/18/2026

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

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1365047 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5A-760-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 5700K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (130) 5700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

Luminaire Equipment:

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

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 21843.6 lumens |
| Efficiency: | N/A |
| Efficacy: | 152.8 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G3 |

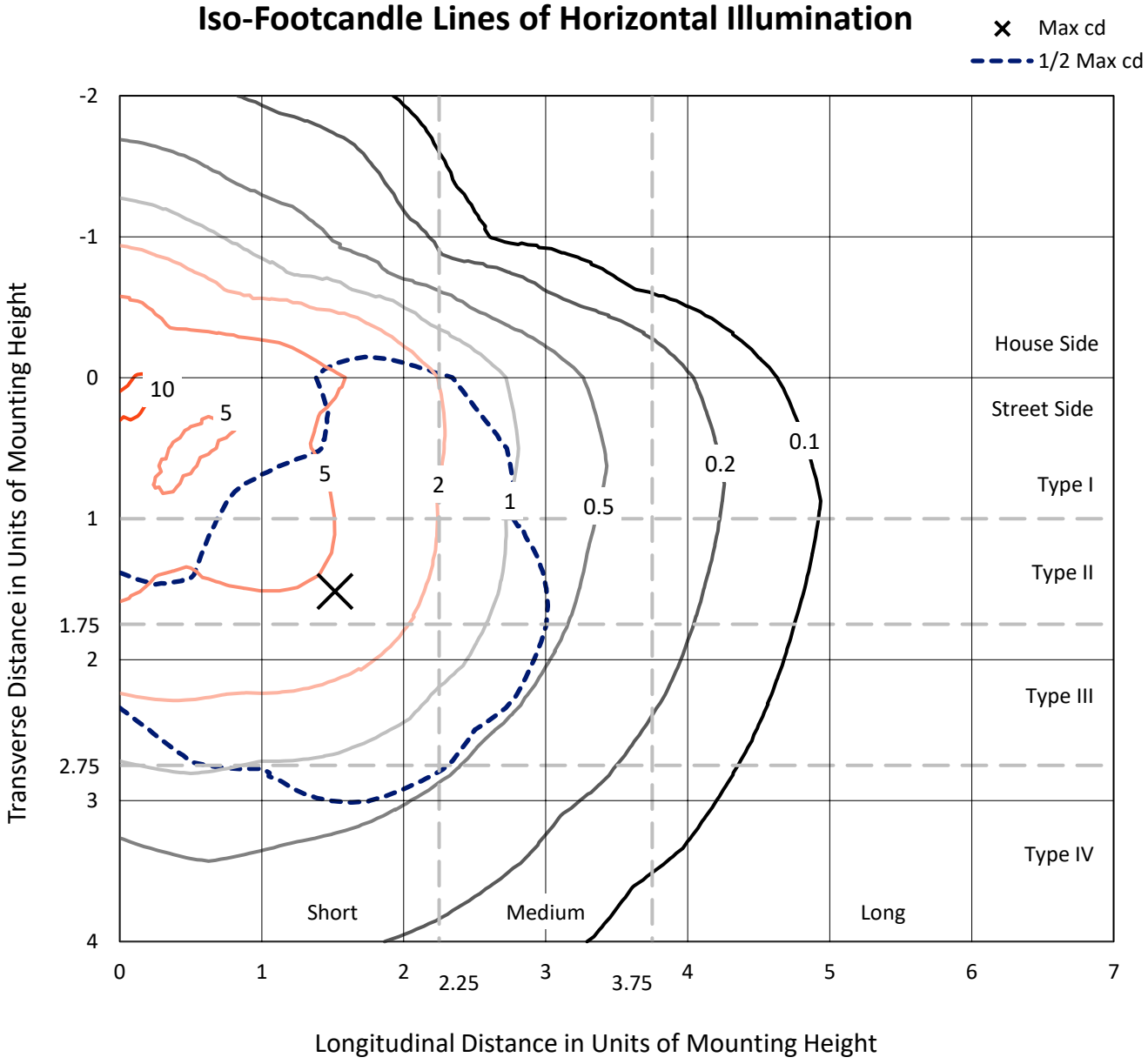
| | |
|---|---|
| Input Watts (W): | 143 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 10.5% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature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

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## Iso-Footcandle Lines of Horizontal Illumination



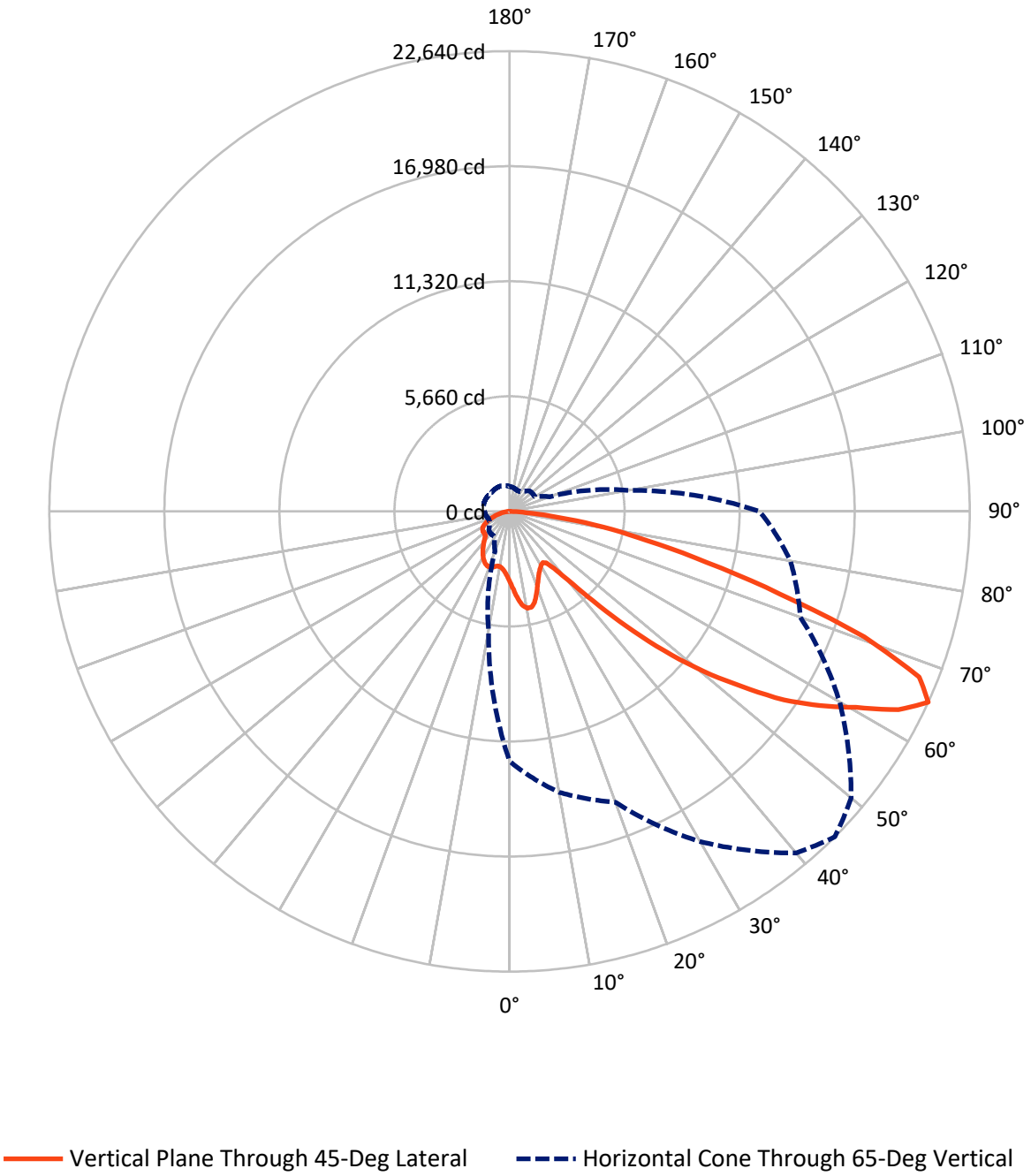

Based on 20 foot mounting height. Maximum calculated value = 11.6 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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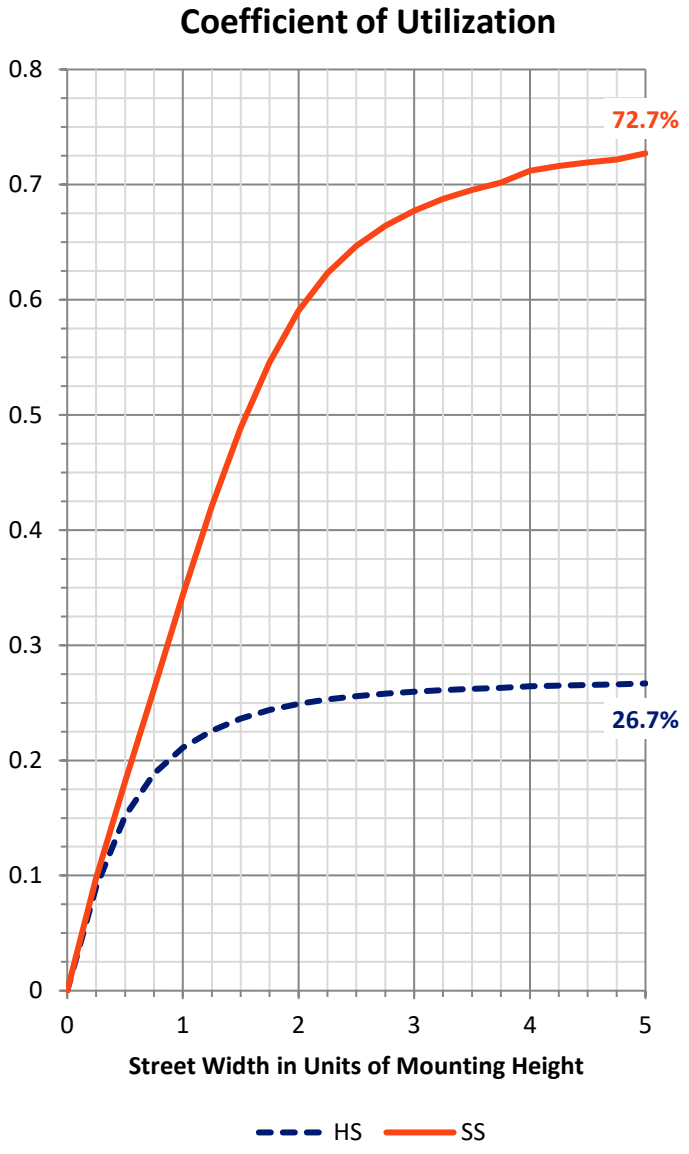
REPORT NUMBER: P1365047
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 5876.4 | 0.0 | 5876.4 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 15967.2 | 0.0 | 15967.2 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 21843.6 | 0.0 | 21843.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 343.9 | 1.6 |
| 10°-20° | 1053.9 | 4.8 |
| 20°-30° | 1631.1 | 7.5 |
| 30°-40° | 2023.7 | 9.3 |
| 40°-50° | 2959.3 | 13.5 |
| 50°-60° | 4635.4 | 21.2 |
| 60°-70° | 5500.2 | 25.2 |
| 70°-80° | 3208.0 | 14.7 |
| 80°-90° | 488.0 | 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° | 21843.6 | 100.0 |
| 0°-180° | 21843.6 | 100.0 |



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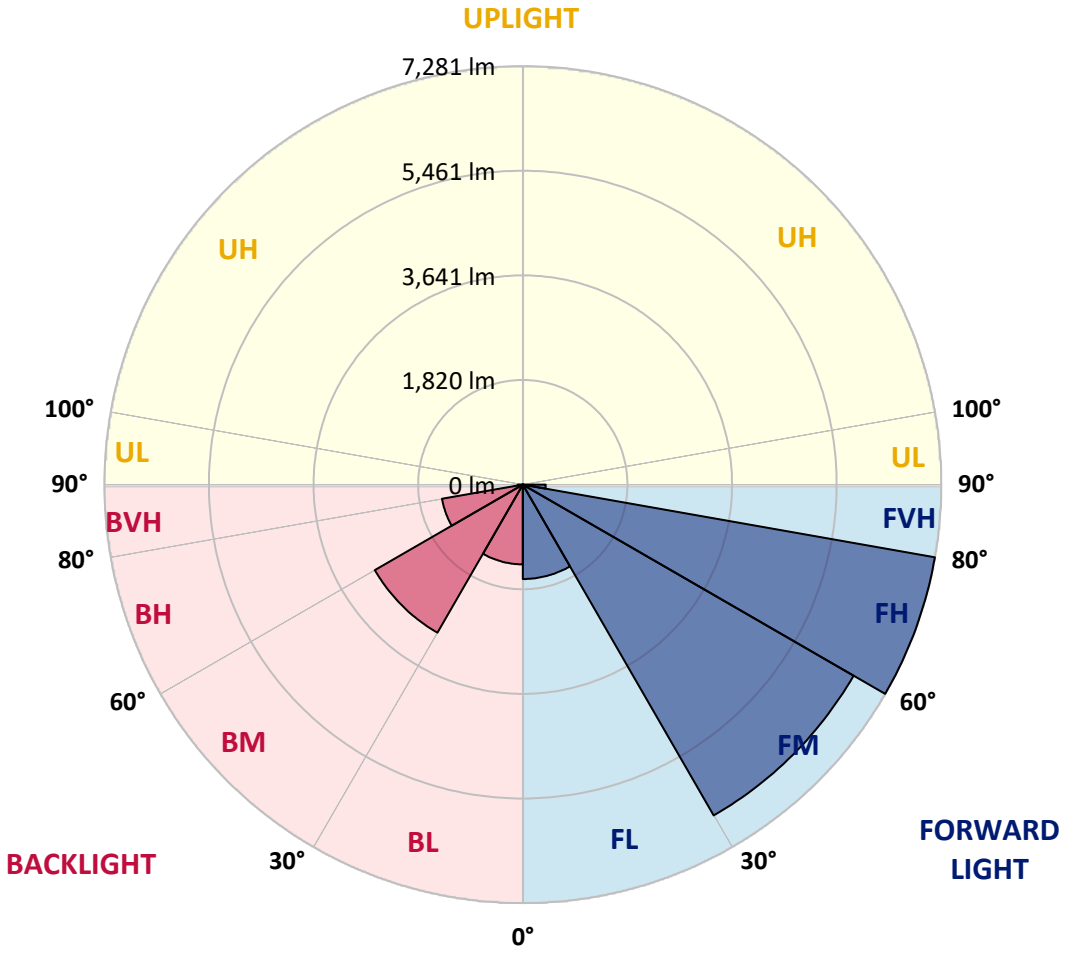
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1641.7 | 7.5 | | | |
| FM | (30°-60°) | 6645.3 | 30.4 | | | |
| FH | (60°-80°) | 7281.0 | 33.3 | | | G3/7500 |
| FVH | (80°-90°) | 399.1 | 1.8 | | | G3/500 |
| BL | (0°-30°) | 1387.2 | 6.4 | B3/2500 | | |
| BM | (30°-60°) | 2973.1 | 13.6 | B3/5000 | | |
| BH | (60°-80°) | 1427.1 | 6.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 88.9 | 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° | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | *3483.0* | 3483.0 |
| 2.5° | 3763.5 | 3776.8 | 3790.2 | 3804.6 | 3819.5 | 3828.1 | 3836.6 | 3845.7 | 3854.3 | *3862.3* | 3854.3 |
| 5° | 4019.9 | 4080.2 | 4140.1 | 4180.7 | 4221.3 | 4252.2 | 4283.2 | 4300.9 | 4319.0 | *4321.7* | 4319.0 |
| 7.5° | 4279.0 | 4350.5 | 4422.1 | 4484.1 | 4546.1 | 4585.6 | 4625.1 | 4648.1 | 4671.6 | *4679.6* | 4671.6 |
| 10° | 4441.9 | 4525.8 | 4610.2 | 4670.0 | 4730.4 | 4767.2 | 4803.5 | 4821.7 | 4839.9 | *4845.2* | 4839.9 |
| 12.5° | 4524.7 | 4605.4 | 4686.0 | 4732.5 | 4778.4 | 4801.9 | 4824.9 | 4833.5 | 4840.9 | *4834.5* | 4840.9 |
| 15° | 4564.8 | 4612.3 | 4659.3 | 4679.1 | 4698.3 | 4687.1 | 4675.3 | 4658.8 | 4642.2 | *4631.5* | 4642.2 |
| 17.5° | 4575.4 | 4592.0 | 4609.1 | 4573.3 | 4538.0 | 4473.9 | 4409.8 | 4361.8 | 4313.7 | *4279.0* | 4313.7 |
| 20° | 4610.2 | 4583.5 | 4556.7 | 4461.7 | 4367.1 | 4246.9 | 4126.7 | 4046.0 | 3964.8 | *3915.7* | 3964.8 |
| 22.5° | 4647.6 | 4572.2 | 4496.9 | 4337.2 | 4177.5 | 4012.9 | 3848.9 | 3756.0 | 3663.6 | *3611.2* | 3663.6 |
| 25° | 4706.3 | 4577.0 | 4447.2 | 4231.4 | 4016.1 | 3822.8 | 3629.9 | 3528.9 | 3428.5 | *3370.8* | 3428.5 |
| 27.5° | 4791.8 | 4594.1 | 4396.5 | 4129.4 | 3862.3 | 3652.9 | 3442.9 | 3346.8 | 3250.6 | *3199.9* | 3250.6 |
| 30° | 4912.0 | 4649.7 | 4386.9 | 4067.4 | 3747.4 | 3528.4 | 3309.4 | 3215.4 | 3120.8 | *3066.3* | 3120.8 |
| 32.5° | 5058.9 | 4727.7 | 4396.5 | 4038.6 | 3680.7 | 3457.4 | 3234.6 | 3144.3 | 3054.6 | *3007.6* | 3054.6 |
| 35° | 5307.3 | 4887.9 | 4468.6 | 4071.7 | 3675.3 | 3468.0 | 3261.3 | 3195.1 | 3129.4 | *3103.7* | 3129.4 |
| 37.5° | 5622.5 | 5132.6 | 4642.2 | 4233.6 | 3824.9 | 3683.9 | 3542.8 | 3542.8 | 3542.8 | *3563.1* | 3542.8 |
| 40° | 6087.2 | 5537.0 | 4986.8 | 4600.0 | 4213.8 | 4205.2 | 4197.8 | 4287.5 | 4377.8 | *4417.9* | 4377.8 |
| 42.5° | 6739.0 | 6157.2 | 5576.0 | 5264.0 | 4952.1 | 5139.0 | 5326.0 | 5585.6 | 5845.2 | *6015.1* | 5845.2 |
| 45° | 7548.3 | 6982.0 | 6415.8 | 6197.8 | 5980.4 | 6396.5 | 6812.1 | 7271.0 | 7729.9 | *8055.8* | 7729.9 |
| 47.5° | 8322.9 | 7846.4 | 7369.3 | 7244.8 | 7120.9 | 7812.7 | 8504.5 | 9177.1 | 9849.6 | *10246.0* | 9849.6 |
| 50° | 9220.3 | 8791.9 | 8362.9 | 8338.9 | 8314.9 | 9236.4 | 10157.9 | 11025.9 | 11894.0 | *12377.5* | 11894.0 |
| 52.5° | 10371.5 | 9900.9 | 9429.7 | 9449.0 | 9467.1 | 10561.7 | 11656.3 | 12706.0 | 13755.7 | *14300.6* | 13755.7 |
| 55° | 11747.1 | 11156.8 | 10566.5 | 10563.3 | 10560.1 | 11817.6 | 13076.2 | 14365.8 | 15656.4 | *16384.0* | 15656.4 |
| 57.5° | 13149.4 | 12596.5 | 12043.6 | 11912.2 | 11780.2 | 13095.4 | 14410.1 | 15834.3 | 17259.0 | *18024.0* | 17259.0 |
| 60° | 14201.8 | 13897.3 | 13592.8 | 13382.3 | 13172.4 | 14522.8 | 15873.8 | 17345.0 | 18815.7 | *19578.5* | 18815.7 |
| 62.5° | 13766.4 | 14310.7 | 14855.1 | 14839.6 | 14824.1 | 16281.9 | 17739.8 | 19269.7 | 20800.8 | *21485.6* | 20800.8 |
| 65° | *12297.3* | *13165.4* | *14033.5* | *14630.7* | *15227.4* | *16989.8* | *18751.6* | *20345.6* | *21939.7* | *22639.5* | *21939.7* |
| 67.5° | 10919.1 | 11684.1 | 12449.6 | 12938.4 | 13427.2 | 15412.8 | 17399.0 | 19207.8 | 21016.6 | *21736.7* | 21016.6 |
| 70° | 9599.6 | 10446.9 | 11294.1 | 11643.5 | 11992.8 | 13679.8 | 15366.3 | 16797.5 | 18228.0 | *18510.1* | 18228.0 |
| 72.5° | 8240.1 | 9247.6 | 10255.6 | 10403.6 | 10551.6 | 11779.2 | 13006.8 | 13769.1 | 14531.4 | *13916.0* | 14531.4 |
| 75° | 6747.0 | 7883.8 | 9020.0 | 9118.8 | 9217.7 | 9600.1 | 9983.2 | 10177.1 | 10371.5 | *10021.6* | 10371.5 |
| 77.5° | 4487.3 | 5471.3 | 6455.8 | 6677.5 | 6899.2 | 7154.0 | 7409.4 | 7396.0 | 7382.7 | *6891.2* | 7382.7 |
| 80° | 2633.6 | 3403.4 | 4173.2 | 4202.0 | 4230.9 | 4422.1 | 4612.8 | 4807.8 | 5002.8 | *4690.3* | 5002.8 |
| 82.5° | 1316.8 | 1739.4 | 2162.5 | 2227.6 | 2292.8 | 2409.8 | 2526.8 | 2581.3 | 2636.3 | *2371.9* | 2636.3 |
| 85° | 299.2 | 409.2 | 519.2 | 625.6 | 731.9 | 854.7 | 977.6 | 963.7 | 949.8 | *801.3* | 949.8 |
| 87.5° | 24.0 | 24.6 | 25.6 | 26.2 | 26.7 | 27.2 | 27.8 | 29.4 | 31.0 | *32.1* | 31.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | *0.0* | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 |
| 2.5° | 3845.7 | 3836.6 | 3828.1 | 3819.5 | 3804.6 | 3790.2 | 3776.8 | 3763.5 | 3729.3 | 3695.6 | 3664.6 |
| 5° | 4300.9 | 4283.2 | 4252.2 | 4221.3 | 4180.7 | 4140.1 | 4080.2 | 4019.9 | 3959.5 | 3899.7 | 3836.6 |
| 7.5° | 4648.1 | 4625.1 | 4585.6 | 4546.1 | 4484.1 | 4422.1 | 4350.5 | 4279.0 | 4177.5 | 4076.0 | 3980.3 |
| 10° | 4821.7 | 4803.5 | 4767.2 | 4730.4 | 4670.0 | 4610.2 | 4525.8 | 4441.9 | 4320.6 | 4198.8 | 4080.2 |
| 12.5° | 4833.5 | 4824.9 | 4801.9 | 4778.4 | 4732.5 | 4686.0 | 4605.4 | 4524.7 | 4404.0 | 4283.2 | 4150.2 |
| 15° | 4658.8 | 4675.3 | 4687.1 | 4698.3 | 4679.1 | 4659.3 | 4612.3 | 4564.8 | 4442.4 | 4320.6 | 4185.5 |
| 17.5° | 4361.8 | 4409.8 | 4473.9 | 4538.0 | 4573.3 | 4609.1 | 4592.0 | 4575.4 | 4461.1 | 4347.3 | 4203.1 |
| 20° | 4046.0 | 4126.7 | 4246.9 | 4367.1 | 4461.7 | 4556.7 | 4583.5 | 4610.2 | 4494.8 | 4379.4 | 4224.5 |
| 22.5° | 3756.0 | 3848.9 | 4012.9 | 4177.5 | 4337.2 | 4496.9 | 4572.2 | 4647.6 | 4541.8 | 4436.5 | 4266.1 |
| 25° | 3528.9 | 3629.9 | 3822.8 | 4016.1 | 4231.4 | 4447.2 | 4577.0 | 4706.3 | 4615.0 | 4523.6 | 4337.7 |
| 27.5° | 3346.8 | 3442.9 | 3652.9 | 3862.3 | 4129.4 | 4396.5 | 4594.1 | 4791.8 | 4721.8 | 4651.8 | 4442.4 |
| 30° | 3215.4 | 3309.4 | 3528.4 | 3747.4 | 4067.4 | 4386.9 | 4649.7 | 4912.0 | 4857.0 | 4802.5 | 4566.4 |
| 32.5° | 3144.3 | 3234.6 | 3457.4 | 3680.7 | 4038.6 | 4396.5 | 4727.7 | 5058.9 | 5024.7 | 4990.5 | 4712.2 |
| 35° | 3195.1 | 3261.3 | 3468.0 | 3675.3 | 4071.7 | 4468.6 | 4887.9 | 5307.3 | 5264.6 | 5221.8 | 4867.1 |
| 37.5° | 3542.8 | 3542.8 | 3683.9 | 3824.9 | 4233.6 | 4642.2 | 5132.6 | 5622.5 | 5571.7 | 5521.0 | 5056.2 |
| 40° | 4287.5 | 4197.8 | 4205.2 | 4213.8 | 4600.0 | 4986.8 | 5537.0 | 6087.2 | 5987.3 | 5886.9 | 5272.6 |
| 42.5° | 5585.6 | 5326.0 | 5139.0 | 4952.1 | 5264.0 | 5576.0 | 6157.2 | 6739.0 | 6527.4 | 6315.3 | 5511.9 |
| 45° | 7271.0 | 6812.1 | 6396.5 | 5980.4 | 6197.8 | 6415.8 | 6982.0 | 7548.3 | 7209.1 | 6869.8 | 5836.7 |
| 47.5° | 9177.1 | 8504.5 | 7812.7 | 7120.9 | 7244.8 | 7369.3 | 7846.4 | 8322.9 | 7893.4 | 7463.9 | 6170.6 |
| 50° | 11025.9 | 10157.9 | 9236.4 | 8314.9 | 8338.9 | 8362.9 | 8791.9 | 9220.3 | 8638.0 | 8055.8 | 6461.7 |
| 52.5° | 12706.0 | 11656.3 | 10561.7 | 9467.1 | 9449.0 | 9429.7 | 9900.9 | 10371.5 | 9446.8 | 8521.6 | 6599.5 |
| 55° | 14365.8 | 13076.2 | 11817.6 | 10560.1 | 10563.3 | 10566.5 | 11156.8 | 11747.1 | 10259.4 | 8771.6 | 6563.2 |
| 57.5° | 15834.3 | 14410.1 | 13095.4 | 11780.2 | 11912.2 | 12043.6 | 12596.5 | 13149.4 | 10941.5 | 8734.2 | 6365.0 |
| 60° | 17345.0 | 15873.8 | 14522.8 | 13172.4 | 13382.3 | 13592.8 | 13897.3 | 14201.8 | 11247.1 | 8291.9 | 5890.1 |
| 62.5° | 19269.7 | 17739.8 | 16281.9 | 14824.1 | 14839.6 | 14855.1 | 14310.7 | 13766.4 | 10569.2 | 7372.0 | 5111.8 |
| 65° | *20345.6* | *18751.6* | *16989.8* | *15227.4* | *14630.7* | *14033.5* | *13165.4* | *12297.3* | *9116.2* | *5935.0* | *4009.7* |
| 67.5° | 19207.8 | 17399.0 | 15412.8 | 13427.2 | 12938.4 | 12449.6 | 11684.1 | 10919.1 | 7829.3 | 4739.4 | 3120.3 |
| 70° | 16797.5 | 15366.3 | 13679.8 | 11992.8 | 11643.5 | 11294.1 | 10446.9 | 9599.6 | 6651.4 | 3703.1 | 2391.1 |
| 72.5° | 13769.1 | 13006.8 | 11779.2 | 10551.6 | 10403.6 | 10255.6 | 9247.6 | 8240.1 | 5523.1 | 2805.6 | 1797.6 |
| 75° | 10177.1 | 9983.2 | 9600.1 | 9217.7 | 9118.8 | 9020.0 | 7883.8 | 6747.0 | 4409.8 | 2072.7 | 1332.3 |
| 77.5° | 7396.0 | 7409.4 | 7154.0 | 6899.2 | 6677.5 | 6455.8 | 5471.3 | 4487.3 | 2893.2 | 1299.2 | 861.1 |
| 80° | 4807.8 | 4612.8 | 4422.1 | 4230.9 | 4202.0 | 4173.2 | 3403.4 | 2633.6 | 1658.7 | 683.8 | 476.0 |
| 82.5° | 2581.3 | 2526.8 | 2409.8 | 2292.8 | 2227.6 | 2162.5 | 1739.4 | 1316.8 | 831.2 | 346.2 | 255.9 |
| 85° | 963.7 | 977.6 | 854.7 | 731.9 | 625.6 | 519.2 | 409.2 | 299.2 | 197.7 | 96.2 | 81.2 |
| 87.5° | 29.4 | 27.8 | 27.2 | 26.7 | 26.2 | 25.6 | 24.6 | 24.0 | 23.5 | 22.4 | 21.9 |
| 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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CATALOG NUMBER: GSS-SB5A-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 |
| 2.5° | 3633.6 | 3602.7 | 3571.1 | 3541.2 | 3510.8 | 3480.3 | 3453.6 | 3424.8 | 3396.5 | 3374.0 | 3352.1 |
| 5° | 3774.1 | 3712.7 | 3651.3 | 3593.0 | 3535.3 | 3475.0 | 3423.2 | 3371.9 | 3321.7 | 3280.0 | 3238.3 |
| 7.5° | 3884.7 | 3799.2 | 3713.8 | 3637.4 | 3560.5 | 3480.3 | 3417.8 | 3355.3 | 3293.4 | 3239.4 | 3184.9 |
| 10° | 3961.1 | 3855.9 | 3750.1 | 3662.0 | 3573.8 | 3488.3 | 3421.6 | 3355.9 | 3290.7 | 3235.1 | 3179.6 |
| 12.5° | 4017.2 | 3899.1 | 3781.1 | 3683.9 | 3587.2 | 3493.7 | 3428.5 | 3374.0 | 3320.1 | 3281.1 | 3242.6 |
| 15° | 4050.3 | 3923.2 | 3795.5 | 3686.0 | 3576.5 | 3472.3 | 3414.6 | 3379.4 | 3344.1 | 3340.9 | 3337.7 |
| 17.5° | 4058.9 | 3913.6 | 3768.8 | 3641.1 | 3514.0 | 3392.2 | 3343.0 | 3338.2 | 3333.4 | 3386.3 | 3439.2 |
| 20° | 4069.6 | 3899.1 | 3728.7 | 3561.0 | 3393.3 | 3231.9 | 3200.9 | 3231.4 | 3261.3 | 3364.9 | 3468.0 |
| 22.5° | 4096.3 | 3887.9 | 3679.6 | 3469.1 | 3258.6 | 3066.3 | 3036.9 | 3081.8 | 3126.2 | 3261.3 | 3396.5 |
| 25° | 4151.8 | 3886.9 | 3621.9 | 3359.6 | 3097.3 | 2876.7 | 2874.0 | 2922.6 | 2971.2 | 3096.2 | 3221.2 |
| 27.5° | 4233.6 | 3897.0 | 3560.5 | 3247.4 | 2933.8 | 2708.4 | 2721.8 | 2768.2 | 2815.2 | 2908.2 | 3001.1 |
| 30° | 4329.7 | 3918.9 | 3508.6 | 3149.7 | 2791.2 | 2572.2 | 2586.6 | 2622.9 | 2659.3 | 2726.6 | 2793.9 |
| 32.5° | 4433.9 | 3943.5 | 3453.6 | 3064.2 | 2675.3 | 2473.4 | 2473.4 | 2488.8 | 2504.3 | 2548.1 | 2591.9 |
| 35° | 4512.9 | 3937.6 | 3362.8 | 2967.0 | 2570.6 | 2414.6 | 2381.5 | 2368.7 | 2355.8 | 2384.7 | 2413.5 |
| 37.5° | 4591.5 | 3921.0 | 3250.6 | 2859.0 | 2468.0 | 2345.1 | 2282.1 | 2247.9 | 2212.7 | 2226.6 | 2239.4 |
| 40° | 4658.2 | 3883.6 | 3109.1 | 2730.3 | 2351.6 | 2254.3 | 2175.3 | 2124.0 | 2072.7 | 2071.6 | 2070.0 |
| 42.5° | 4707.4 | 3819.0 | 2930.1 | 2577.0 | 2223.3 | 2155.5 | 2057.7 | 1992.6 | 1927.4 | 1920.5 | 1913.5 |
| 45° | 4803.5 | 3774.7 | 2745.8 | 2421.0 | 2096.7 | 2035.3 | 1938.1 | 1870.8 | 1804.5 | 1793.9 | 1783.2 |
| 47.5° | 4877.3 | 3722.9 | 2568.4 | 2266.1 | 1964.8 | 1893.7 | 1802.9 | 1745.8 | 1688.1 | 1681.7 | 1674.7 |
| 50° | 4867.6 | 3634.7 | 2401.2 | 2128.3 | 1854.7 | 1757.5 | 1667.8 | 1620.8 | 1573.2 | 1581.2 | 1589.3 |
| 52.5° | 4676.9 | 3454.2 | 2231.9 | 2004.3 | 1777.8 | 1653.4 | 1557.2 | 1521.9 | 1486.2 | 1511.3 | 1535.8 |
| 55° | 4354.8 | 3214.8 | 2073.8 | 1900.7 | 1726.5 | 1602.6 | 1489.4 | 1449.8 | 1410.3 | 1445.6 | 1480.8 |
| 57.5° | 3995.8 | 2964.3 | 1932.7 | 1813.1 | 1693.4 | 1589.3 | 1450.4 | 1394.8 | 1339.8 | 1375.0 | 1410.3 |
| 60° | 3488.3 | 2647.5 | 1806.7 | 1722.8 | 1638.9 | 1557.2 | 1418.3 | 1348.9 | 1279.4 | 1302.9 | 1325.9 |
| 62.5° | 2851.6 | 2245.8 | 1640.0 | 1593.0 | 1546.5 | 1511.8 | 1379.3 | 1288.5 | 1197.7 | 1200.9 | 1203.0 |
| 65° | *2084.5* | *1765.0* | *1445.0* | *1434.9* | *1425.3* | *1415.6* | *1306.1* | *1208.4* | *1111.1* | *1100.5* | *1089.8* |
| 67.5° | 1501.1 | 1349.4 | 1197.7 | 1226.0 | 1254.3 | 1268.7 | 1193.9 | 1107.9 | 1021.4 | 999.5 | 977.6 |
| 70° | 1079.1 | 1025.7 | 972.2 | 1014.4 | 1056.7 | 1052.4 | 1016.1 | 964.8 | 913.5 | 899.6 | 885.7 |
| 72.5° | 789.6 | 788.5 | 787.9 | 820.0 | 852.1 | 809.3 | 832.3 | 820.5 | 809.3 | 799.2 | 789.6 |
| 75° | 591.9 | 588.2 | 585.0 | 622.9 | 661.3 | 678.4 | 693.4 | 687.0 | 681.1 | 673.6 | 666.7 |
| 77.5° | 423.1 | 426.3 | 428.4 | 470.1 | 511.8 | 560.9 | 563.6 | 549.7 | 535.3 | 527.8 | 519.2 |
| 80° | 268.2 | 271.4 | 273.5 | 317.3 | 360.6 | 430.0 | 427.4 | 410.3 | 392.6 | 386.8 | 380.4 |
| 82.5° | 165.6 | 166.1 | 166.7 | 188.0 | 209.4 | 248.4 | 259.1 | 259.1 | 259.1 | 255.3 | 251.1 |
| 85° | 66.8 | 70.0 | 73.7 | 87.6 | 101.5 | 122.9 | 129.3 | 130.3 | 130.9 | 125.0 | 118.6 |
| 87.5° | 21.4 | 22.4 | 24.0 | 26.7 | 29.4 | 32.1 | 37.4 | 40.6 | 43.8 | 47.0 | 49.1 |
| 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: P1365047
CATALOG NUMBER: GSS-SB5A-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 |
| 2.5° | 3332.9 | 3313.1 | 3290.2 | 3266.6 | 3250.1 | 3233.0 | 3221.8 | 3210.6 | 3205.2 | 3199.9 | 3195.6 |
| 5° | 3204.1 | 3168.9 | 3137.9 | 3106.4 | 3081.8 | 3056.7 | 3036.4 | 3015.6 | 3007.0 | 2997.9 | 2992.1 |
| 7.5° | 3139.0 | 3093.0 | 3054.6 | 3015.6 | 2978.7 | 2942.4 | 2918.9 | 2895.4 | 2881.5 | 2867.6 | 2857.4 |
| 10° | 3131.0 | 3082.3 | 3031.6 | 2980.8 | 2940.2 | 2899.6 | 2864.4 | 2830.2 | 2810.4 | 2791.2 | 2780.5 |
| 12.5° | 3197.7 | 3152.9 | 3092.5 | 3031.6 | 2976.6 | 2922.1 | 2878.8 | 2835.5 | 2811.0 | 2787.5 | 2771.4 |
| 15° | 3322.2 | 3306.7 | 3250.6 | 3194.5 | 3118.7 | 3042.3 | 2980.3 | 2917.8 | 2883.6 | 2848.4 | 2828.6 |
| 17.5° | 3469.6 | 3500.1 | 3461.1 | 3421.6 | 3314.7 | 3207.9 | 3115.5 | 3023.6 | 2973.4 | 2923.2 | 2905.5 |
| 20° | 3550.3 | 3632.6 | 3628.3 | 3624.6 | 3485.1 | 3345.2 | 3223.9 | 3102.6 | 3035.3 | 2969.1 | 2942.4 |
| 22.5° | 3515.0 | 3633.6 | 3664.1 | 3694.0 | 3557.3 | 3420.0 | 3270.4 | 3120.8 | 3041.7 | 2962.2 | 2937.0 |
| 25° | 3348.9 | 3476.6 | 3533.2 | 3589.8 | 3477.1 | 3364.4 | 3219.1 | 3074.3 | 2991.0 | 2907.1 | 2881.5 |
| 27.5° | 3103.7 | 3206.3 | 3269.9 | 3333.4 | 3264.5 | 3195.6 | 3078.1 | 2960.5 | 2886.8 | 2812.6 | 2785.3 |
| 30° | 2863.3 | 2932.8 | 2983.5 | 3034.3 | 2988.9 | 2943.5 | 2859.0 | 2775.2 | 2720.2 | 2665.7 | 2648.6 |
| 32.5° | 2643.8 | 2695.0 | 2723.4 | 2751.1 | 2715.9 | 2680.6 | 2625.1 | 2569.5 | 2535.3 | 2501.1 | 2489.9 |
| 35° | 2455.2 | 2497.4 | 2518.8 | 2540.1 | 2510.8 | 2481.4 | 2431.7 | 2382.5 | 2358.0 | 2333.4 | 2324.3 |
| 37.5° | 2275.2 | 2310.4 | 2340.9 | 2371.9 | 2350.5 | 2329.1 | 2286.9 | 2244.7 | 2215.9 | 2186.0 | 2169.9 |
| 40° | 2104.2 | 2137.9 | 2176.3 | 2214.3 | 2210.5 | 2206.3 | 2166.2 | 2126.1 | 2084.5 | 2043.3 | 2021.4 |
| 42.5° | 1947.2 | 1980.8 | 2021.4 | 2062.0 | 2070.0 | 2078.0 | 2044.9 | 2011.3 | 1963.2 | 1915.1 | 1881.5 |
| 45° | 1812.0 | 1841.9 | 1886.3 | 1931.1 | 1949.8 | 1968.5 | 1938.6 | 1908.2 | 1854.2 | 1800.3 | 1760.2 |
| 47.5° | 1705.2 | 1736.2 | 1785.3 | 1835.0 | 1854.7 | 1875.0 | 1854.7 | 1835.0 | 1788.5 | 1741.5 | 1706.2 |
| 50° | 1622.9 | 1656.0 | 1694.5 | 1733.5 | 1770.3 | 1806.7 | 1802.9 | 1799.2 | 1762.3 | 1725.5 | 1692.4 |
| 52.5° | 1566.3 | 1597.3 | 1637.3 | 1677.4 | 1715.9 | 1754.9 | 1760.7 | 1767.1 | 1740.4 | 1713.7 | 1684.9 |
| 55° | 1517.7 | 1554.5 | 1591.9 | 1629.3 | 1665.6 | 1701.4 | 1709.4 | 1717.5 | 1698.2 | 1678.5 | 1657.1 |
| 57.5° | 1450.4 | 1490.4 | 1527.8 | 1565.2 | 1607.4 | 1649.6 | 1656.0 | 1662.4 | 1642.1 | 1621.3 | 1605.3 |
| 60° | 1367.0 | 1407.6 | 1446.6 | 1485.1 | 1527.8 | 1570.6 | 1579.1 | 1587.6 | 1571.6 | 1555.6 | 1540.6 |
| 62.5° | 1249.5 | 1295.4 | 1327.5 | 1359.5 | 1400.1 | 1441.3 | 1453.6 | 1466.4 | 1458.9 | 1452.0 | 1434.9 |
| 65° | *1133.6* | *1177.9* | *1203.0* | *1228.7* | *1263.9* | *1299.2* | *1311.5* | *1323.8* | *1320.0* | *1316.8* | *1304.5* |
| 67.5° | 1018.2 | 1058.8 | 1079.6 | 1100.5 | 1124.5 | 1148.5 | 1162.4 | 1176.3 | 1169.4 | 1161.9 | 1149.1 |
| 70° | 918.8 | 951.9 | 970.1 | 988.3 | 1007.5 | 1026.7 | 1034.2 | 1041.7 | 1031.0 | 1020.3 | 991.5 |
| 72.5° | 814.7 | 839.8 | 855.3 | 870.7 | 888.9 | 907.1 | 911.3 | 916.2 | 899.6 | 882.5 | 848.8 |
| 75° | 685.9 | 705.1 | 716.9 | 729.2 | 747.9 | 766.6 | 774.6 | 782.6 | 759.1 | 736.1 | 700.3 |
| 77.5° | 536.9 | 554.5 | 565.7 | 576.9 | 592.4 | 607.9 | 610.1 | 613.3 | 593.0 | 572.7 | 551.3 |
| 80° | 393.2 | 406.0 | 410.3 | 414.0 | 426.8 | 439.1 | 439.1 | 439.1 | 424.2 | 408.7 | 398.0 |
| 82.5° | 248.4 | 245.7 | 240.4 | 235.0 | 247.9 | 260.7 | 265.0 | 269.8 | 262.8 | 256.4 | 244.7 |
| 85° | 111.1 | 102.6 | 101.0 | 98.8 | 98.3 | 97.2 | 101.0 | 104.2 | 102.6 | 101.5 | 97.2 |
| 87.5° | 52.4 | 54.5 | 52.9 | 50.7 | 48.6 | 47.0 | 42.7 | 38.5 | 35.3 | 32.1 | 29.9 |
| 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: P1365047
CATALOG NUMBER: GSS-SB5A-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 |
| 2.5° | 3191.9 | 3189.2 | 3191.9 | 3195.6 | 3199.9 | 3205.2 | 3210.6 | 3221.8 | 3233.0 | 3250.1 | 3266.6 |
| 5° | 2986.2 | 2980.8 | 2986.2 | 2992.1 | 2997.9 | 3007.0 | 3015.6 | 3036.4 | 3056.7 | 3081.8 | 3106.4 |
| 7.5° | 2847.3 | 2842.0 | 2847.3 | 2857.4 | 2867.6 | 2881.5 | 2895.4 | 2918.9 | 2942.4 | 2978.7 | 3015.6 |
| 10° | 2769.8 | 2761.8 | 2769.8 | 2780.5 | 2791.2 | 2810.4 | 2830.2 | 2864.4 | 2899.6 | 2940.2 | 2980.8 |
| 12.5° | 2755.4 | 2745.8 | 2755.4 | 2771.4 | 2787.5 | 2811.0 | 2835.5 | 2878.8 | 2922.1 | 2976.6 | 3031.6 |
| 15° | 2808.8 | 2793.9 | 2808.8 | 2828.6 | 2848.4 | 2883.6 | 2917.8 | 2980.3 | 3042.3 | 3118.7 | 3194.5 |
| 17.5° | 2887.4 | 2879.3 | 2887.4 | 2905.5 | 2923.2 | 2973.4 | 3023.6 | 3115.5 | 3207.9 | 3314.7 | 3421.6 |
| 20° | 2915.7 | 2906.1 | 2915.7 | 2942.4 | 2969.1 | 3035.3 | 3102.6 | 3223.9 | 3345.2 | 3485.1 | 3624.6 |
| 22.5° | 2911.4 | 2900.7 | 2911.4 | 2937.0 | 2962.2 | 3041.7 | 3120.8 | 3270.4 | 3420.0 | 3557.3 | 3694.0 |
| 25° | 2855.3 | 2847.3 | 2855.3 | 2881.5 | 2907.1 | 2991.0 | 3074.3 | 3219.1 | 3364.4 | 3477.1 | 3589.8 |
| 27.5° | 2757.6 | 2740.5 | 2757.6 | 2785.3 | 2812.6 | 2886.8 | 2960.5 | 3078.1 | 3195.6 | 3264.5 | 3333.4 |
| 30° | 2630.9 | 2622.9 | 2630.9 | 2648.6 | 2665.7 | 2720.2 | 2775.2 | 2859.0 | 2943.5 | 2988.9 | 3034.3 |
| 32.5° | 2478.7 | 2473.4 | 2478.7 | 2489.9 | 2501.1 | 2535.3 | 2569.5 | 2625.1 | 2680.6 | 2715.9 | 2751.1 |
| 35° | 2315.8 | 2307.8 | 2315.8 | 2324.3 | 2333.4 | 2358.0 | 2382.5 | 2431.7 | 2481.4 | 2510.8 | 2540.1 |
| 37.5° | 2153.9 | 2142.2 | 2153.9 | 2169.9 | 2186.0 | 2215.9 | 2244.7 | 2286.9 | 2329.1 | 2350.5 | 2371.9 |
| 40° | 1999.0 | 1987.2 | 1999.0 | 2021.4 | 2043.3 | 2084.5 | 2126.1 | 2166.2 | 2206.3 | 2210.5 | 2214.3 |
| 42.5° | 1848.3 | 1827.0 | 1848.3 | 1881.5 | 1915.1 | 1963.2 | 2011.3 | 2044.9 | 2078.0 | 2070.0 | 2062.0 |
| 45° | 1720.1 | 1693.4 | 1720.1 | 1760.2 | 1800.3 | 1854.2 | 1908.2 | 1938.6 | 1968.5 | 1949.8 | 1931.1 |
| 47.5° | 1671.0 | 1645.3 | 1671.0 | 1706.2 | 1741.5 | 1788.5 | 1835.0 | 1854.7 | 1875.0 | 1854.7 | 1835.0 |
| 50° | 1658.7 | 1634.7 | 1658.7 | 1692.4 | 1725.5 | 1762.3 | 1799.2 | 1802.9 | 1806.7 | 1770.3 | 1733.5 |
| 52.5° | 1656.0 | 1634.7 | 1656.0 | 1684.9 | 1713.7 | 1740.4 | 1767.1 | 1760.7 | 1754.9 | 1715.9 | 1677.4 |
| 55° | 1635.7 | 1618.6 | 1635.7 | 1657.1 | 1678.5 | 1698.2 | 1717.5 | 1709.4 | 1701.4 | 1665.6 | 1629.3 |
| 57.5° | 1589.3 | 1581.2 | 1589.3 | 1605.3 | 1621.3 | 1642.1 | 1662.4 | 1656.0 | 1649.6 | 1607.4 | 1565.2 |
| 60° | 1525.1 | 1511.8 | 1525.1 | 1540.6 | 1555.6 | 1571.6 | 1587.6 | 1579.1 | 1570.6 | 1527.8 | 1485.1 |
| 62.5° | 1418.3 | 1399.6 | 1418.3 | 1434.9 | 1452.0 | 1458.9 | 1466.4 | 1453.6 | 1441.3 | 1400.1 | 1359.5 |
| 65° | *1292.8* | *1271.4* | *1292.8* | *1304.5* | *1316.8* | *1320.0* | *1323.8* | *1311.5* | *1299.2* | *1263.9* | *1228.7* |
| 67.5° | 1136.8 | 1132.5 | 1136.8 | 1149.1 | 1161.9 | 1169.4 | 1176.3 | 1162.4 | 1148.5 | 1124.5 | 1100.5 |
| 70° | 962.6 | 929.5 | 962.6 | 991.5 | 1020.3 | 1031.0 | 1041.7 | 1034.2 | 1026.7 | 1007.5 | 988.3 |
| 72.5° | 814.7 | 779.9 | 814.7 | 848.8 | 882.5 | 899.6 | 916.2 | 911.3 | 907.1 | 888.9 | 870.7 |
| 75° | 665.1 | 641.0 | 665.1 | 700.3 | 736.1 | 759.1 | 782.6 | 774.6 | 766.6 | 747.9 | 729.2 |
| 77.5° | 529.9 | 518.2 | 529.9 | 551.3 | 572.7 | 593.0 | 613.3 | 610.1 | 607.9 | 592.4 | 576.9 |
| 80° | 387.3 | 379.3 | 387.3 | 398.0 | 408.7 | 424.2 | 439.1 | 439.1 | 439.1 | 426.8 | 414.0 |
| 82.5° | 232.4 | 224.4 | 232.4 | 244.7 | 256.4 | 262.8 | 269.8 | 265.0 | 260.7 | 247.9 | 235.0 |
| 85° | 93.5 | 90.8 | 93.5 | 97.2 | 101.5 | 102.6 | 104.2 | 101.0 | 97.2 | 98.3 | 98.8 |
| 87.5° | 27.8 | 26.7 | 27.8 | 29.9 | 32.1 | 35.3 | 38.5 | 42.7 | 47.0 | 48.6 | 50.7 |
| 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° | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 |
| 2.5° | 3290.2 | 3313.1 | 3332.9 | 3352.1 | 3374.0 | 3396.5 | 3424.8 | 3453.6 | 3480.3 | 3510.8 | 3541.2 |
| 5° | 3137.9 | 3168.9 | 3204.1 | 3238.3 | 3280.0 | 3321.7 | 3371.9 | 3423.2 | 3475.0 | 3535.3 | 3593.0 |
| 7.5° | 3054.6 | 3093.0 | 3139.0 | 3184.9 | 3239.4 | 3293.4 | 3355.3 | 3417.8 | 3480.3 | 3560.5 | 3637.4 |
| 10° | 3031.6 | 3082.3 | 3131.0 | 3179.6 | 3235.1 | 3290.7 | 3355.9 | 3421.6 | 3488.3 | 3573.8 | 3662.0 |
| 12.5° | 3092.5 | 3152.9 | 3197.7 | 3242.6 | 3281.1 | 3320.1 | 3374.0 | 3428.5 | 3493.7 | 3587.2 | 3683.9 |
| 15° | 3250.6 | 3306.7 | 3322.2 | 3337.7 | 3340.9 | 3344.1 | 3379.4 | 3414.6 | 3472.3 | 3576.5 | 3686.0 |
| 17.5° | 3461.1 | 3500.1 | 3469.6 | 3439.2 | 3386.3 | 3333.4 | 3338.2 | 3343.0 | 3392.2 | 3514.0 | 3641.1 |
| 20° | 3628.3 | 3632.6 | 3550.3 | 3468.0 | 3364.9 | 3261.3 | 3231.4 | 3200.9 | 3231.9 | 3393.3 | 3561.0 |
| 22.5° | 3664.1 | 3633.6 | 3515.0 | 3396.5 | 3261.3 | 3126.2 | 3081.8 | 3036.9 | 3066.3 | 3258.6 | 3469.1 |
| 25° | 3533.2 | 3476.6 | 3348.9 | 3221.2 | 3096.2 | 2971.2 | 2922.6 | 2874.0 | 2876.7 | 3097.3 | 3359.6 |
| 27.5° | 3269.9 | 3206.3 | 3103.7 | 3001.1 | 2908.2 | 2815.2 | 2768.2 | 2721.8 | 2708.4 | 2933.8 | 3247.4 |
| 30° | 2983.5 | 2932.8 | 2863.3 | 2793.9 | 2726.6 | 2659.3 | 2622.9 | 2586.6 | 2572.2 | 2791.2 | 3149.7 |
| 32.5° | 2723.4 | 2695.0 | 2643.8 | 2591.9 | 2548.1 | 2504.3 | 2488.8 | 2473.4 | 2473.4 | 2675.3 | 3064.2 |
| 35° | 2518.8 | 2497.4 | 2455.2 | 2413.5 | 2384.7 | 2355.8 | 2368.7 | 2381.5 | 2414.6 | 2570.6 | 2967.0 |
| 37.5° | 2340.9 | 2310.4 | 2275.2 | 2239.4 | 2226.6 | 2212.7 | 2247.9 | 2282.1 | 2345.1 | 2468.0 | 2859.0 |
| 40° | 2176.3 | 2137.9 | 2104.2 | 2070.0 | 2071.6 | 2072.7 | 2124.0 | 2175.3 | 2254.3 | 2351.6 | 2730.3 |
| 42.5° | 2021.4 | 1980.8 | 1947.2 | 1913.5 | 1920.5 | 1927.4 | 1992.6 | 2057.7 | 2155.5 | 2223.3 | 2577.0 |
| 45° | 1886.3 | 1841.9 | 1812.0 | 1783.2 | 1793.9 | 1804.5 | 1870.8 | 1938.1 | 2035.3 | 2096.7 | 2421.0 |
| 47.5° | 1785.3 | 1736.2 | 1705.2 | 1674.7 | 1681.7 | 1688.1 | 1745.8 | 1802.9 | 1893.7 | 1964.8 | 2266.1 |
| 50° | 1694.5 | 1656.0 | 1622.9 | 1589.3 | 1581.2 | 1573.2 | 1620.8 | 1667.8 | 1757.5 | 1854.7 | 2128.3 |
| 52.5° | 1637.3 | 1597.3 | 1566.3 | 1535.8 | 1511.3 | 1486.2 | 1521.9 | 1557.2 | 1653.4 | 1777.8 | 2004.3 |
| 55° | 1591.9 | 1554.5 | 1517.7 | 1480.8 | 1445.6 | 1410.3 | 1449.8 | 1489.4 | 1602.6 | 1726.5 | 1900.7 |
| 57.5° | 1527.8 | 1490.4 | 1450.4 | 1410.3 | 1375.0 | 1339.8 | 1394.8 | 1450.4 | 1589.3 | 1693.4 | 1813.1 |
| 60° | 1446.6 | 1407.6 | 1367.0 | 1325.9 | 1302.9 | 1279.4 | 1348.9 | 1418.3 | 1557.2 | 1638.9 | 1722.8 |
| 62.5° | 1327.5 | 1295.4 | 1249.5 | 1203.0 | 1200.9 | 1197.7 | 1288.5 | 1379.3 | 1511.8 | 1546.5 | 1593.0 |
| 65° | *1203.0* | *1177.9* | *1133.6* | *1089.8* | *1100.5* | *1111.1* | *1208.4* | *1306.1* | *1415.6* | *1425.3* | *1434.9* |
| 67.5° | 1079.6 | 1058.8 | 1018.2 | 977.6 | 999.5 | 1021.4 | 1107.9 | 1193.9 | 1268.7 | 1254.3 | 1226.0 |
| 70° | 970.1 | 951.9 | 918.8 | 885.7 | 899.6 | 913.5 | 964.8 | 1016.1 | 1052.4 | 1056.7 | 1014.4 |
| 72.5° | 855.3 | 839.8 | 814.7 | 789.6 | 799.2 | 809.3 | 820.5 | 832.3 | 809.3 | 852.1 | 820.0 |
| 75° | 716.9 | 705.1 | 685.9 | 666.7 | 673.6 | 681.1 | 687.0 | 693.4 | 678.4 | 661.3 | 622.9 |
| 77.5° | 565.7 | 554.5 | 536.9 | 519.2 | 527.8 | 535.3 | 549.7 | 563.6 | 560.9 | 511.8 | 470.1 |
| 80° | 410.3 | 406.0 | 393.2 | 380.4 | 386.8 | 392.6 | 410.3 | 427.4 | 430.0 | 360.6 | 317.3 |
| 82.5° | 240.4 | 245.7 | 248.4 | 251.1 | 255.3 | 259.1 | 259.1 | 259.1 | 248.4 | 209.4 | 188.0 |
| 85° | 101.0 | 102.6 | 111.1 | 118.6 | 125.0 | 130.9 | 130.3 | 129.3 | 122.9 | 101.5 | 87.6 |
| 87.5° | 52.9 | 54.5 | 52.4 | 49.1 | 47.0 | 43.8 | 40.6 | 37.4 | 32.1 | 29.4 | 26.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report

REPORT NUMBER: P1365047
CATALOG NUMBER: GSS-SB5A-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 | 3483.0 |
| 2.5° | 3571.1 | 3602.7 | 3633.6 | 3664.6 | 3695.6 | 3729.3 | 3763.5 |
| 5° | 3651.3 | 3712.7 | 3774.1 | 3836.6 | 3899.7 | 3959.5 | 4019.9 |
| 7.5° | 3713.8 | 3799.2 | 3884.7 | 3980.3 | 4076.0 | 4177.5 | 4279.0 |
| 10° | 3750.1 | 3855.9 | 3961.1 | 4080.2 | 4198.8 | 4320.6 | 4441.9 |
| 12.5° | 3781.1 | 3899.1 | 4017.2 | 4150.2 | 4283.2 | 4404.0 | 4524.7 |
| 15° | 3795.5 | 3923.2 | 4050.3 | 4185.5 | 4320.6 | 4442.4 | 4564.8 |
| 17.5° | 3768.8 | 3913.6 | 4058.9 | 4203.1 | 4347.3 | 4461.1 | 4575.4 |
| 20° | 3728.7 | 3899.1 | 4069.6 | 4224.5 | 4379.4 | 4494.8 | 4610.2 |
| 22.5° | 3679.6 | 3887.9 | 4096.3 | 4266.1 | 4436.5 | 4541.8 | 4647.6 |
| 25° | 3621.9 | 3886.9 | 4151.8 | 4337.7 | 4523.6 | 4615.0 | 4706.3 |
| 27.5° | 3560.5 | 3897.0 | 4233.6 | 4442.4 | 4651.8 | 4721.8 | 4791.8 |
| 30° | 3508.6 | 3918.9 | 4329.7 | 4566.4 | 4802.5 | 4857.0 | 4912.0 |
| 32.5° | 3453.6 | 3943.5 | 4433.9 | 4712.2 | 4990.5 | 5024.7 | 5058.9 |
| 35° | 3362.8 | 3937.6 | 4512.9 | 4867.1 | 5221.8 | 5264.6 | 5307.3 |
| 37.5° | 3250.6 | 3921.0 | 4591.5 | 5056.2 | 5521.0 | 5571.7 | 5622.5 |
| 40° | 3109.1 | 3883.6 | 4658.2 | 5272.6 | 5886.9 | 5987.3 | 6087.2 |
| 42.5° | 2930.1 | 3819.0 | 4707.4 | 5511.9 | 6315.3 | 6527.4 | 6739.0 |
| 45° | 2745.8 | 3774.7 | 4803.5 | 5836.7 | 6869.8 | 7209.1 | 7548.3 |
| 47.5° | 2568.4 | 3722.9 | 4877.3 | 6170.6 | 7463.9 | 7893.4 | 8322.9 |
| 50° | 2401.2 | 3634.7 | 4867.6 | 6461.7 | 8055.8 | 8638.0 | 9220.3 |
| 52.5° | 2231.9 | 3454.2 | 4676.9 | 6599.5 | 8521.6 | 9446.8 | 10371.5 |
| 55° | 2073.8 | 3214.8 | 4354.8 | 6563.2 | 8771.6 | 10259.4 | 11747.1 |
| 57.5° | 1932.7 | 2964.3 | 3995.8 | 6365.0 | 8734.2 | 10941.5 | 13149.4 |
| 60° | 1806.7 | 2647.5 | 3488.3 | 5890.1 | 8291.9 | 11247.1 | 14201.8 |
| 62.5° | 1640.0 | 2245.8 | 2851.6 | 5111.8 | 7372.0 | 10569.2 | 13766.4 |
| 65° | *1445.0* | *1765.0* | *2084.5* | *4009.7* | *5935.0* | *9116.2* | *12297.3* |
| 67.5° | 1197.7 | 1349.4 | 1501.1 | 3120.3 | 4739.4 | 7829.3 | 10919.1 |
| 70° | 972.2 | 1025.7 | 1079.1 | 2391.1 | 3703.1 | 6651.4 | 9599.6 |
| 72.5° | 787.9 | 788.5 | 789.6 | 1797.6 | 2805.6 | 5523.1 | 8240.1 |
| 75° | 585.0 | 588.2 | 591.9 | 1332.3 | 2072.7 | 4409.8 | 6747.0 |
| 77.5° | 428.4 | 426.3 | 423.1 | 861.1 | 1299.2 | 2893.2 | 4487.3 |
| 80° | 273.5 | 271.4 | 268.2 | 476.0 | 683.8 | 1658.7 | 2633.6 |
| 82.5° | 166.7 | 166.1 | 165.6 | 255.9 | 346.2 | 831.2 | 1316.8 |
| 85° | 73.7 | 70.0 | 66.8 | 81.2 | 96.2 | 197.7 | 299.2 |
| 87.5° | 24.0 | 22.4 | 21.4 | 21.9 | 22.4 | 23.5 | 24.0 |
| 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: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

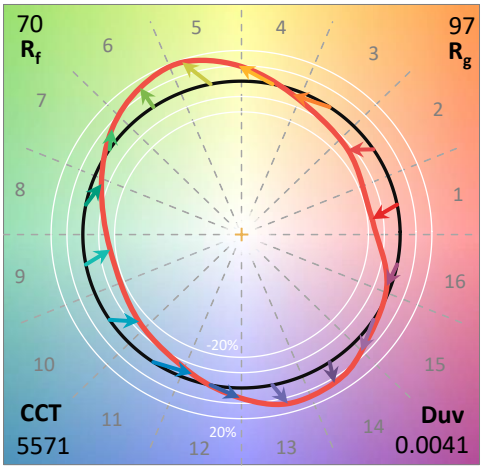
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-7 |
| 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-757-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 5571 |
| CIE u': | 0.2033 |
| CIE v': | 0.4806 |
| Duv: | 0.0041 |
| CIE x: | 0.3308 |
| CIE y: | 0.3476 |
| CIE z: | 0.3216 |
| Peak Wavelength (nm): | 442 |
| Dominant Wavelength (nm): | 544 |
| Purity: | 3.635698 |
| Rf: | 70.4 |
| Rg: | 97.1 |

| | | | | | |
|---|---|---|---|---|---|
| CRI (Ra): | 69.9 | | | | |
| R1: | 68.8 | R9: | -35.4 | | |
| R2: | 72.5 | R10: | 36.7 | | |
| R3: | 76.8 | R11: | 73.9 | | |
| R4: | 72.0 | R12: | 47.8 | | |
| R5: | 70.9 | R13: | 68.0 | | |
| R6: | 65.6 | R14: | 87.0 | | |
| R7: | 75.5 | R15: | 59.8 | | |
| R8: | 56.8 | | | | |



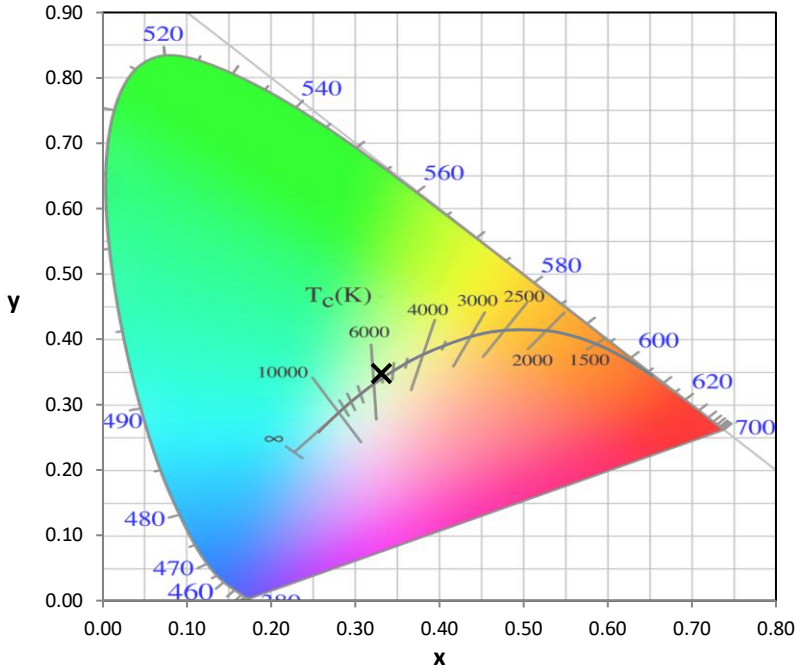

## Test Conditions

| | |
|---|---|
| Stabilization Time: | 20M |
| Operation Time: | 1H 20M |
| Sphere Temperature (°C): | 25.2 |

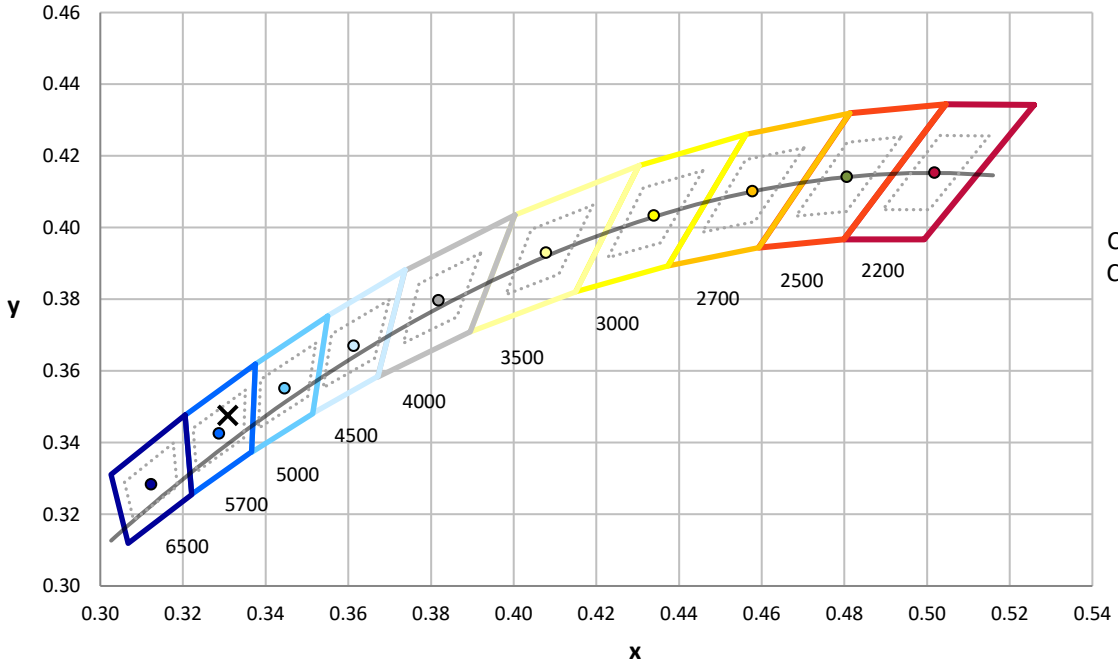
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-7

## CIE 1931 Chromaticity Diagram




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

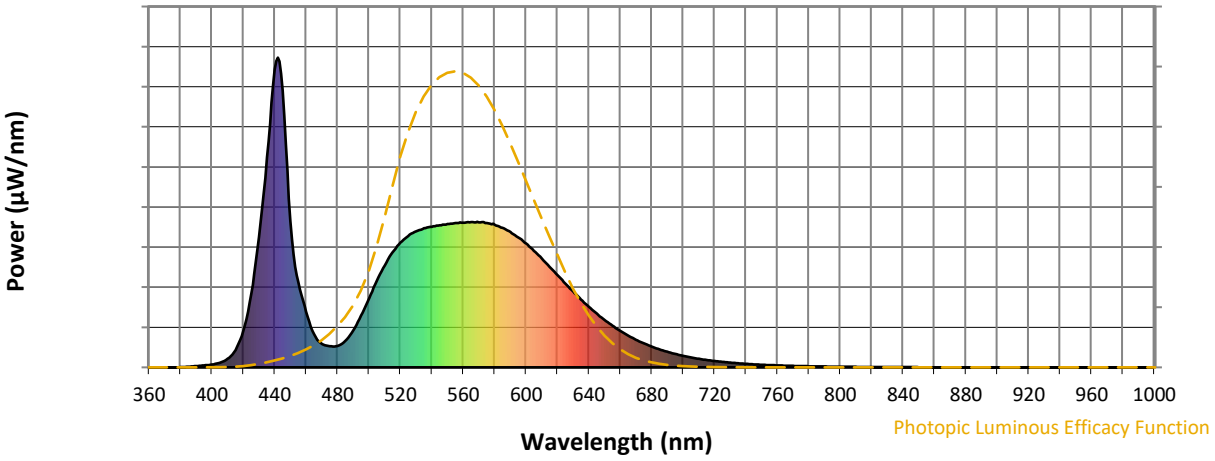



CCT = 5571K
CIE x = 0.3308
CIE y = 0.3476
Duv = 0.0041

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

## Photopic Flux vs. Wavelength

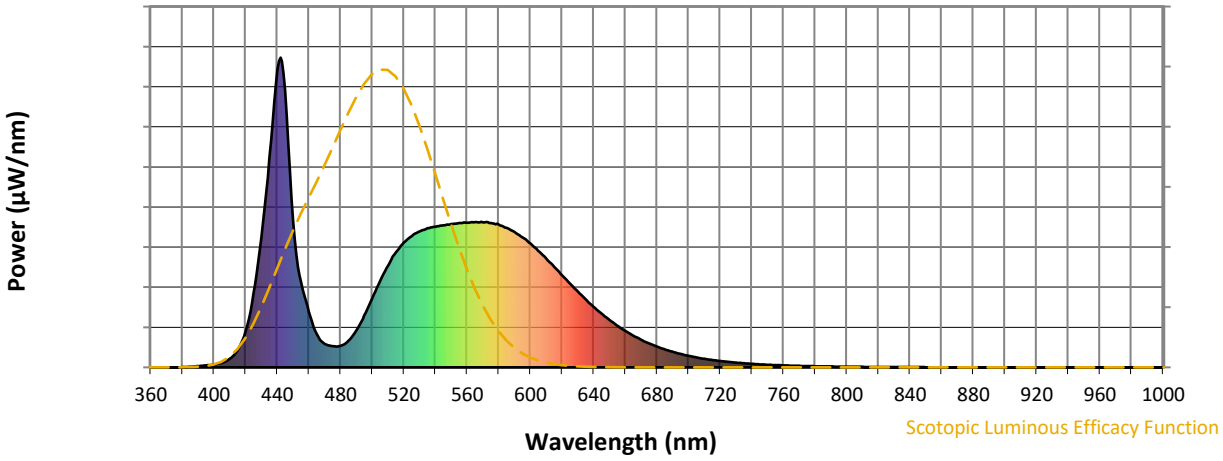



## Photopic Lumens: NR

| 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 | 120 | NR | 620 | 298 | NR | 750 | 9 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 167 | NR | 625 | 270 | NR | 755 | 7 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 222 | NR | 630 | 245 | NR | 760 | 6 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 279 | NR | 635 | 219 | NR | 765 | 6 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 329 | NR | 640 | 196 | NR | 770 | 5 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 371 | NR | 645 | 173 | NR | 775 | 4 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 403 | NR | 650 | 153 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 424 | NR | 655 | 135 | NR | 785 | 3 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 439 | NR | 660 | 117 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 449 | NR | 665 | 103 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 28 | NR | 540 | 454 | NR | 670 | 89 | NR | 800 | 2 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 459 | NR | 675 | 77 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 118 | NR | 550 | 463 | NR | 680 | 67 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 237 | NR | 555 | 466 | NR | 685 | 58 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 420 | NR | 560 | 467 | NR | 690 | 50 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 677 | NR | 565 | 469 | NR | 695 | 43 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 962 | NR | 570 | 469 | NR | 700 | 37 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 894 | NR | 575 | 466 | NR | 705 | 32 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 472 | NR | 580 | 461 | NR | 710 | 28 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 275 | NR | 585 | 450 | NR | 715 | 24 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 180 | NR | 590 | 437 | NR | 720 | 21 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 420 | NR | 725 | 18 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 76 | NR | 600 | 400 | NR | 730 | 15 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 68 | NR | 605 | 376 | NR | 735 | 13 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 69 | NR | 610 | 352 | NR | 740 | 11 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 86 | NR | 615 | 325 | NR | 745 | 10 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-7

## Scotopic Flux vs. Wavelength

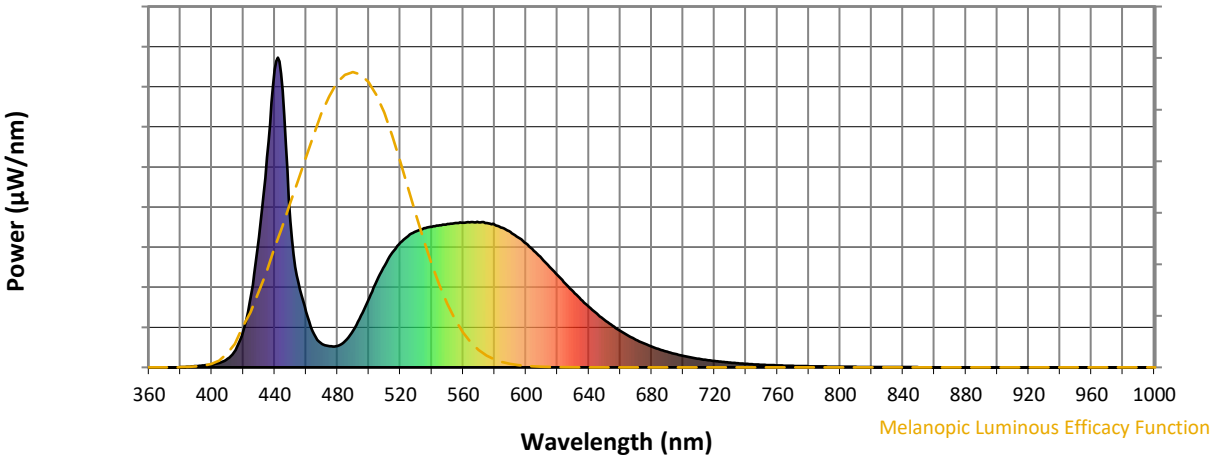



**Scotopic Lumens: NR** **S/P: 1.84**

| 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 | 120 | NR | 620 | 298 | NR | 750 | 9 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 167 | NR | 625 | 270 | NR | 755 | 7 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 222 | NR | 630 | 245 | NR | 760 | 6 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 279 | NR | 635 | 219 | NR | 765 | 6 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 329 | NR | 640 | 196 | NR | 770 | 5 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 371 | NR | 645 | 173 | NR | 775 | 4 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 403 | NR | 650 | 153 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 424 | NR | 655 | 135 | NR | 785 | 3 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 439 | NR | 660 | 117 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 449 | NR | 665 | 103 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 28 | NR | 540 | 454 | NR | 670 | 89 | NR | 800 | 2 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 459 | NR | 675 | 77 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 118 | NR | 550 | 463 | NR | 680 | 67 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 237 | NR | 555 | 466 | NR | 685 | 58 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 420 | NR | 560 | 467 | NR | 690 | 50 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 677 | NR | 565 | 469 | NR | 695 | 43 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 962 | NR | 570 | 469 | NR | 700 | 37 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 894 | NR | 575 | 466 | NR | 705 | 32 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 472 | NR | 580 | 461 | NR | 710 | 28 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 275 | NR | 585 | 450 | NR | 715 | 24 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 180 | NR | 590 | 437 | NR | 720 | 21 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 420 | NR | 725 | 18 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 76 | NR | 600 | 400 | NR | 730 | 15 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 68 | NR | 605 | 376 | NR | 735 | 13 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 69 | NR | 610 | 352 | NR | 740 | 11 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 86 | NR | 615 | 325 | NR | 745 | 10 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-7

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.71**

| 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 | 120 | NR | 620 | 298 | NR | 750 | 9 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 167 | NR | 625 | 270 | NR | 755 | 7 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 222 | NR | 630 | 245 | NR | 760 | 6 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 279 | NR | 635 | 219 | NR | 765 | 6 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 329 | NR | 640 | 196 | NR | 770 | 5 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 371 | NR | 645 | 173 | NR | 775 | 4 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 403 | NR | 650 | 153 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 424 | NR | 655 | 135 | NR | 785 | 3 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 439 | NR | 660 | 117 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 449 | NR | 665 | 103 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 28 | NR | 540 | 454 | NR | 670 | 89 | NR | 800 | 2 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 459 | NR | 675 | 77 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 118 | NR | 550 | 463 | NR | 680 | 67 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 237 | NR | 555 | 466 | NR | 685 | 58 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 420 | NR | 560 | 467 | NR | 690 | 50 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 677 | NR | 565 | 469 | NR | 695 | 43 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 962 | NR | 570 | 469 | NR | 700 | 37 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 894 | NR | 575 | 466 | NR | 705 | 32 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 472 | NR | 580 | 461 | NR | 710 | 28 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 275 | NR | 585 | 450 | NR | 715 | 24 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 180 | NR | 590 | 437 | NR | 720 | 21 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 420 | NR | 725 | 18 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 76 | NR | 600 | 400 | NR | 730 | 15 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 68 | NR | 605 | 376 | NR | 735 | 13 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 69 | NR | 610 | 352 | NR | 740 | 11 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 86 | NR | 615 | 325 | NR | 745 | 10 | NR | 875 | 0 | NR | | | |

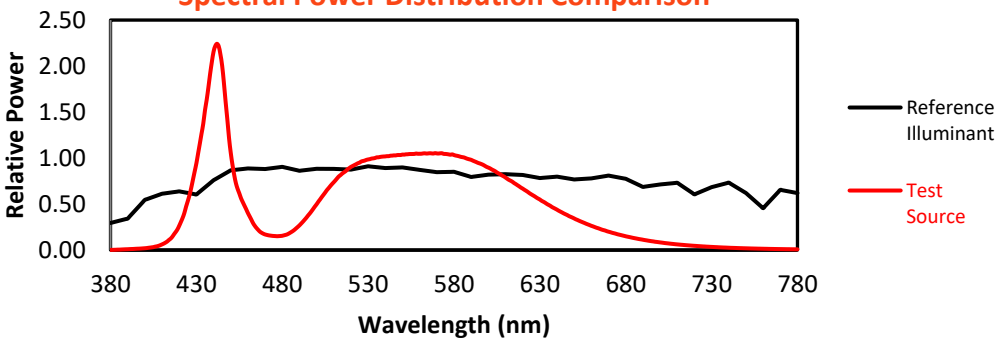
REPORT NUMBER: SP1-2407-184-7

# TM-30-18

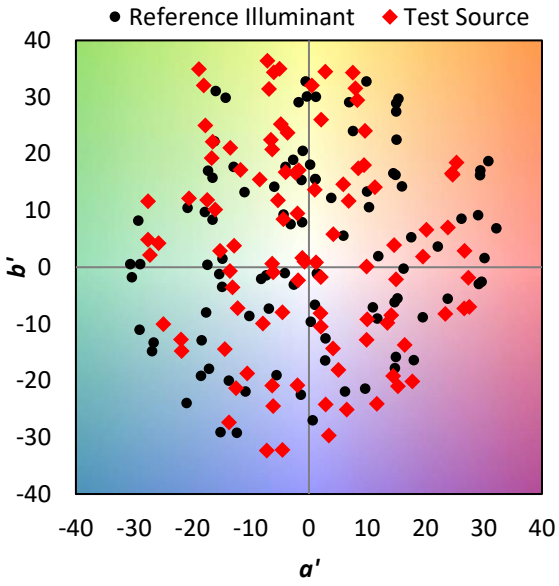
## Summary

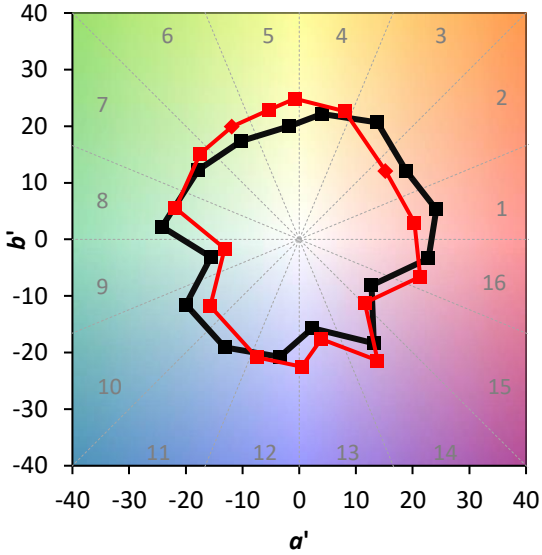
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$R_g$ = 97.1
CIE $R_a$ = 69.9
$R_9$ = -35.4

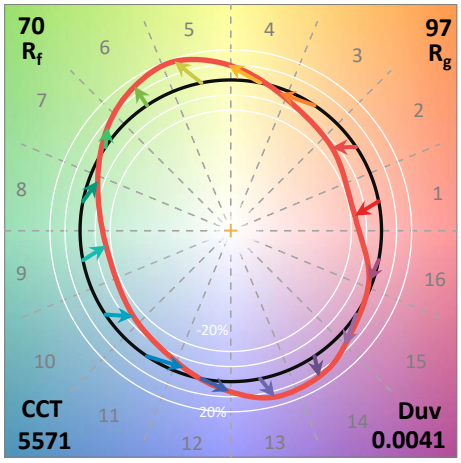
## Spectral Power Distribution Comparison

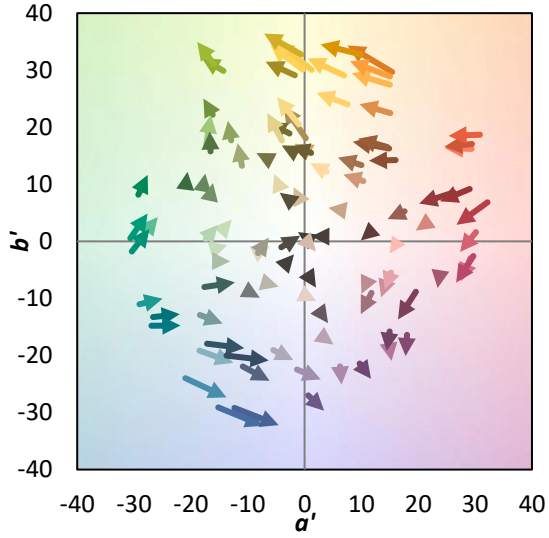



## Color Vector Graphics



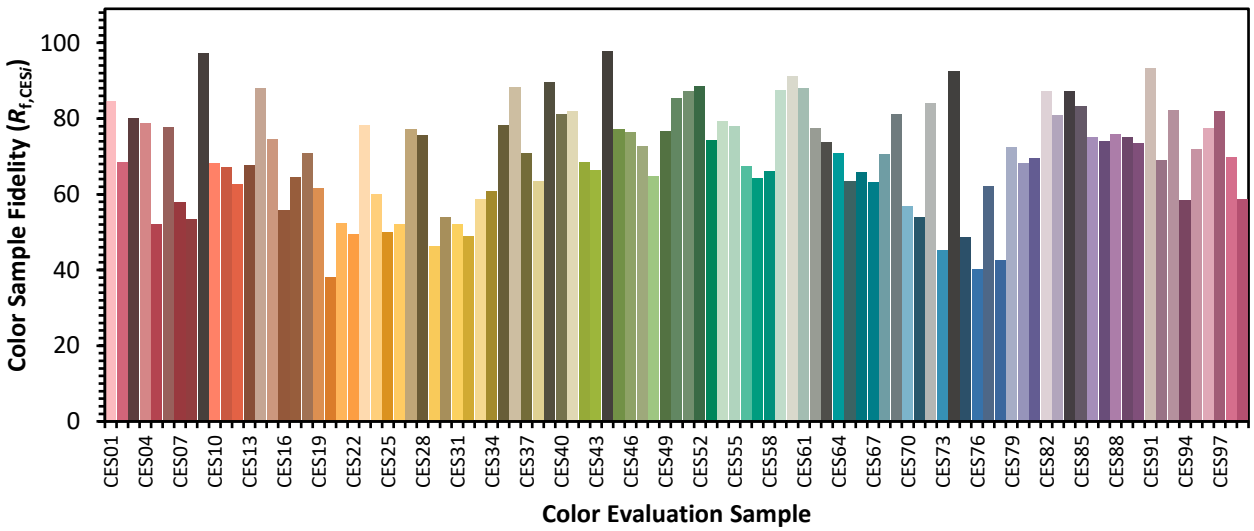



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**Individual Sample Fidelity Index ($R_{f,i}$)**

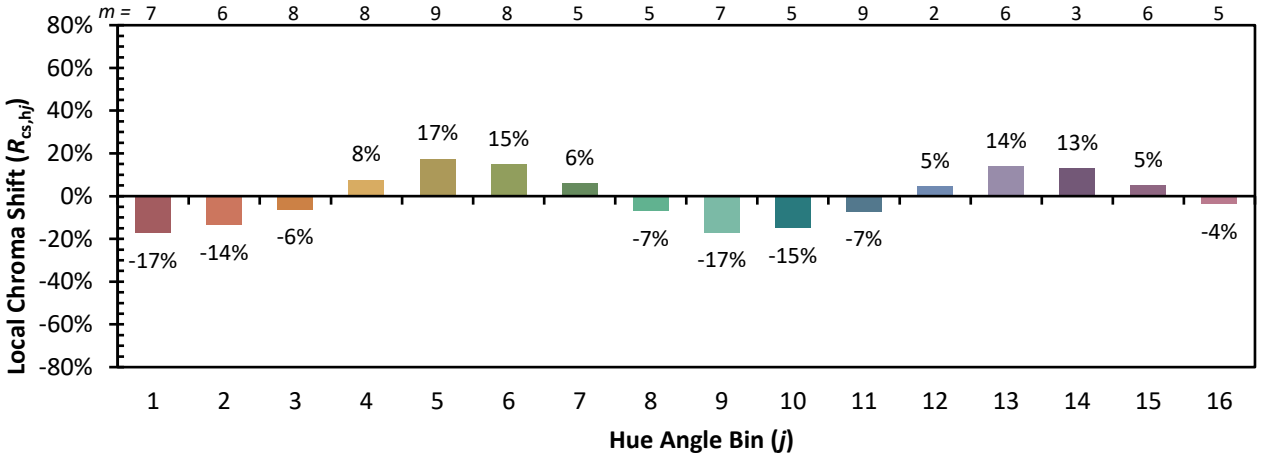
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 52 | CES51 = 87 | CES76 = 40 |
| CES02 = 59 | CES27 = 77 | CES52 = 88 | CES77 = 62 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 43 |
| CES04 = 68 | CES29 = 46 | CES54 = 79 | CES79 = 72 |
| CES05 = 45 | CES30 = 54 | CES55 = 78 | CES80 = 68 |
| CES06 = 49 | CES31 = 52 | CES56 = 67 | CES81 = 70 |
| CES07 = 38 | CES32 = 49 | CES57 = 64 | CES82 = 87 |
| CES08 = 37 | CES33 = 59 | CES58 = 66 | CES83 = 81 |
| CES09 = 29 | CES34 = 61 | CES59 = 87 | CES84 = 87 |
| CES10 = 72 | CES35 = 78 | CES60 = 91 | CES85 = 83 |
| CES11 = 55 | CES36 = 88 | CES61 = 88 | CES86 = 75 |
| CES12 = 61 | CES37 = 71 | CES62 = 77 | CES87 = 74 |
| CES13 = 41 | CES38 = 64 | CES63 = 74 | CES88 = 76 |
| CES14 = 74 | CES39 = 90 | CES64 = 71 | CES89 = 75 |
| CES15 = 70 | CES40 = 81 | CES65 = 63 | CES90 = 73 |
| CES16 = 46 | CES41 = 82 | CES66 = 66 | CES91 = 93 |
| CES17 = 48 | CES42 = 69 | CES67 = 63 | CES92 = 69 |
| CES18 = 55 | CES43 = 67 | CES68 = 71 | CES93 = 82 |
| CES19 = 70 | CES44 = 98 | CES69 = 81 | CES94 = 58 |
| CES20 = 63 | CES45 = 77 | CES70 = 57 | CES95 = 72 |
| CES21 = 85 | CES46 = 76 | CES71 = 54 | CES96 = 78 |
| CES22 = 77 | CES47 = 73 | CES72 = 84 | CES97 = 82 |
| CES23 = 91 | CES48 = 65 | CES73 = 45 | CES98 = 70 |
| CES24 = 90 | CES49 = 77 | CES74 = 92 | CES99 = 59 |
| CES25 = 71 | CES50 = 85 | CES75 = 49 | |

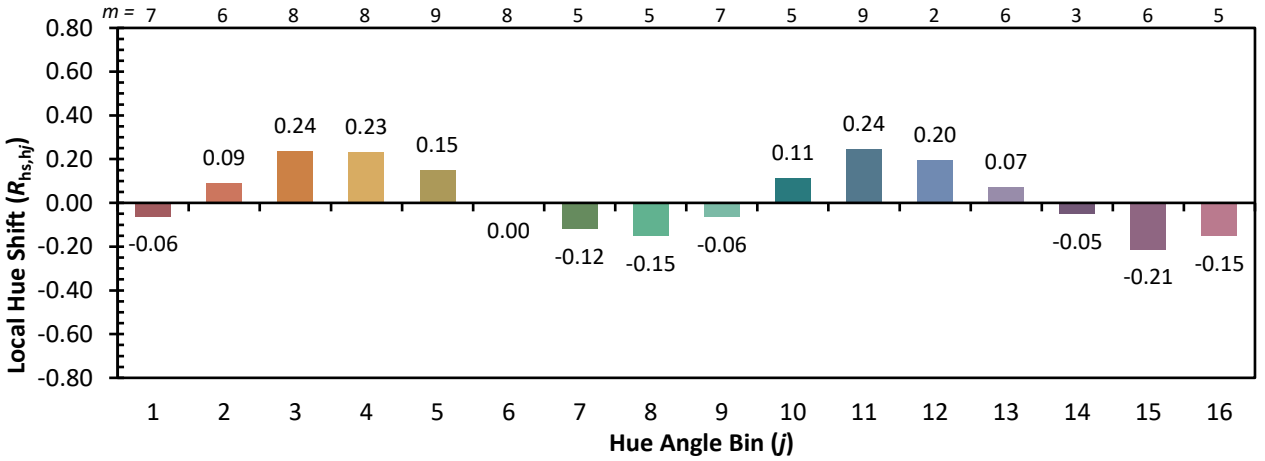


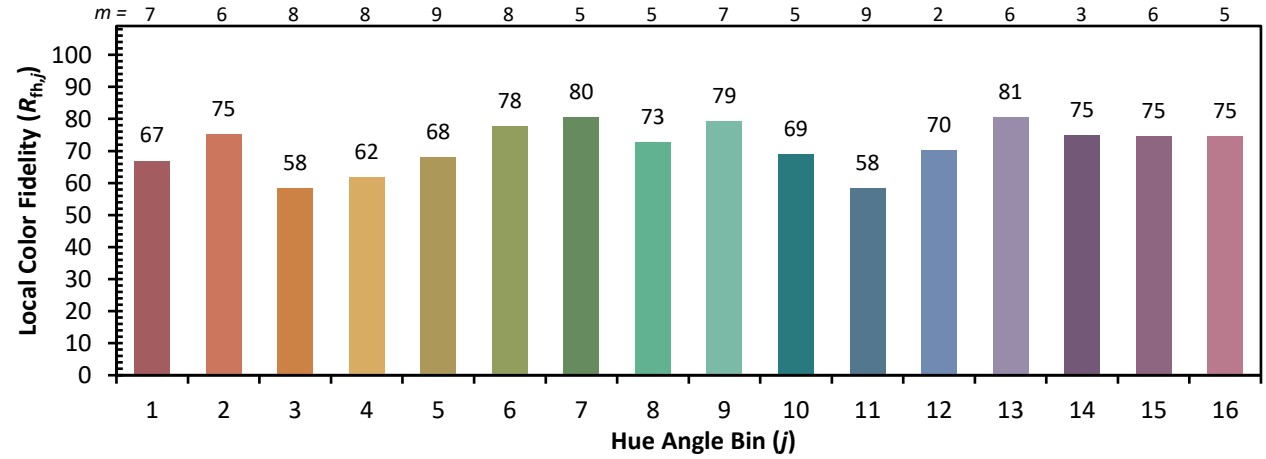
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## Color Rendition by Hue-Angle Bin



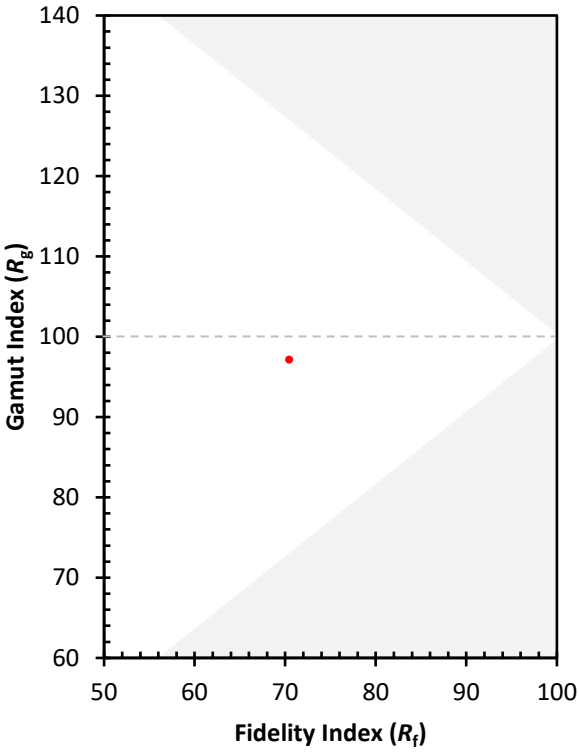



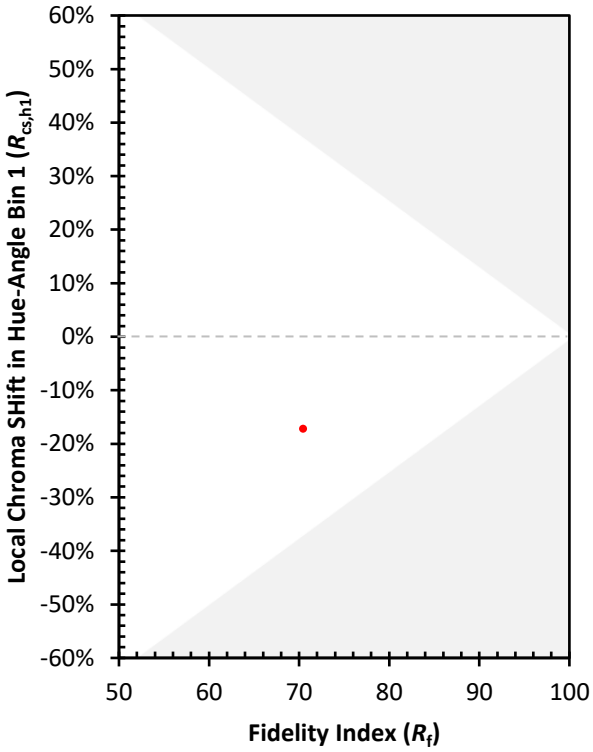



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## Measure Comparisons




(END OF REPORT)