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: P1365017

Luminaire Tested: **GSS-SB3C-750-U-SLL**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1365017 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3C-750-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 5000K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (78) 5000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 20895.2 lumens |
| Efficiency: | N/A |
| Efficacy: | 139.3 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G3 |

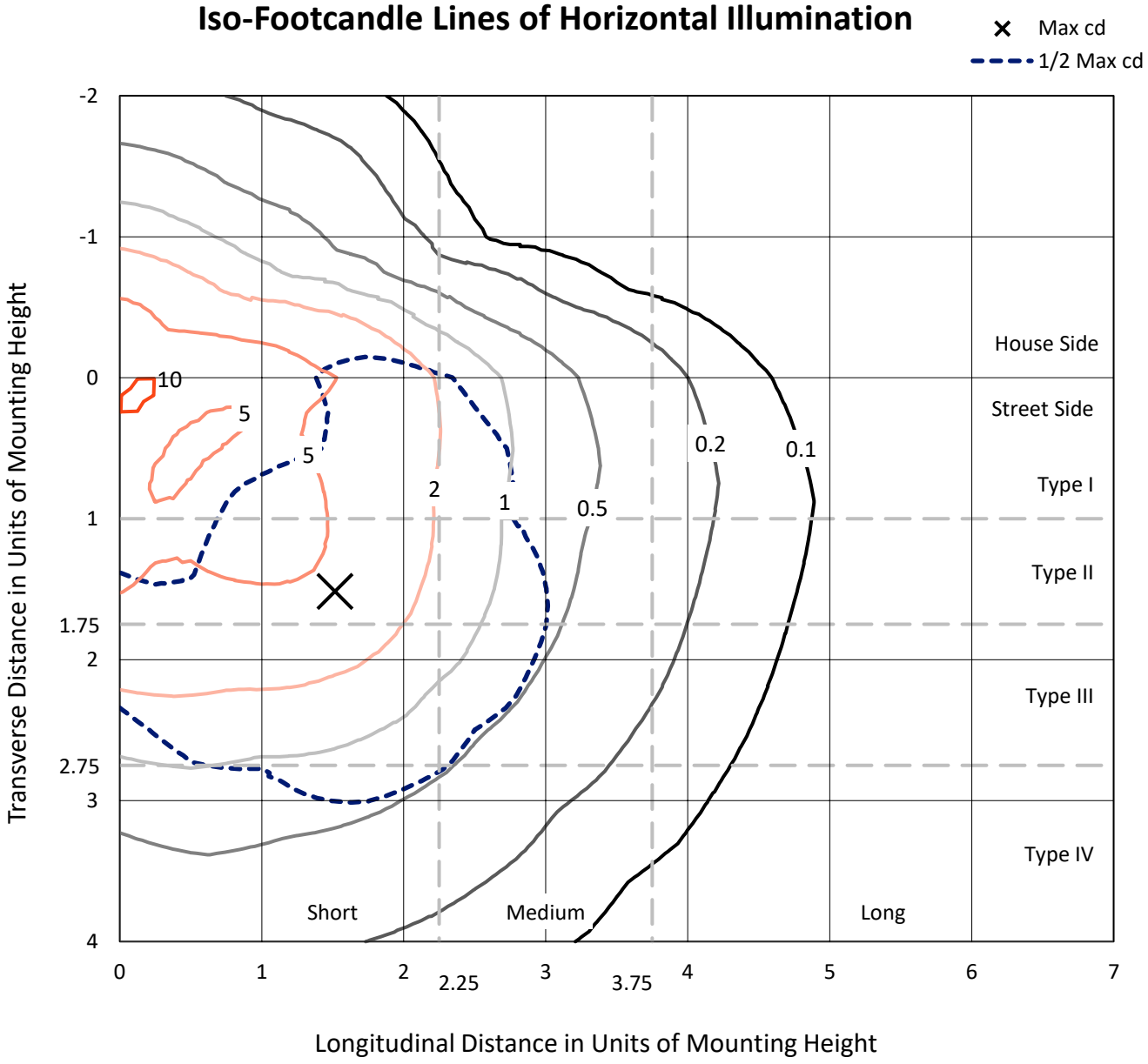
| | |
|---|---|
| Input Watts (W): | 150 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 6.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



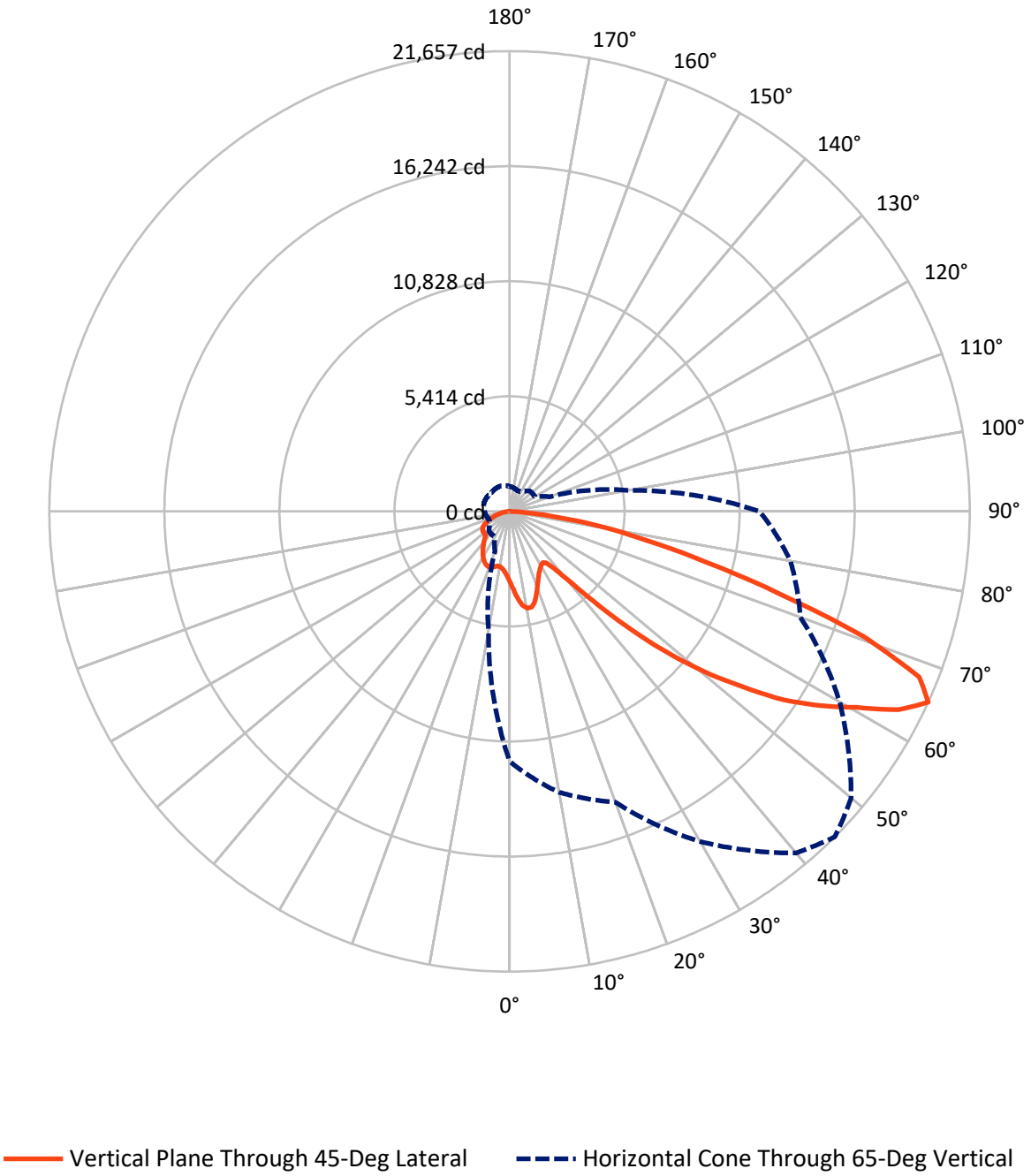

Based on 20 foot mounting height. Maximum calculated value = 11.1 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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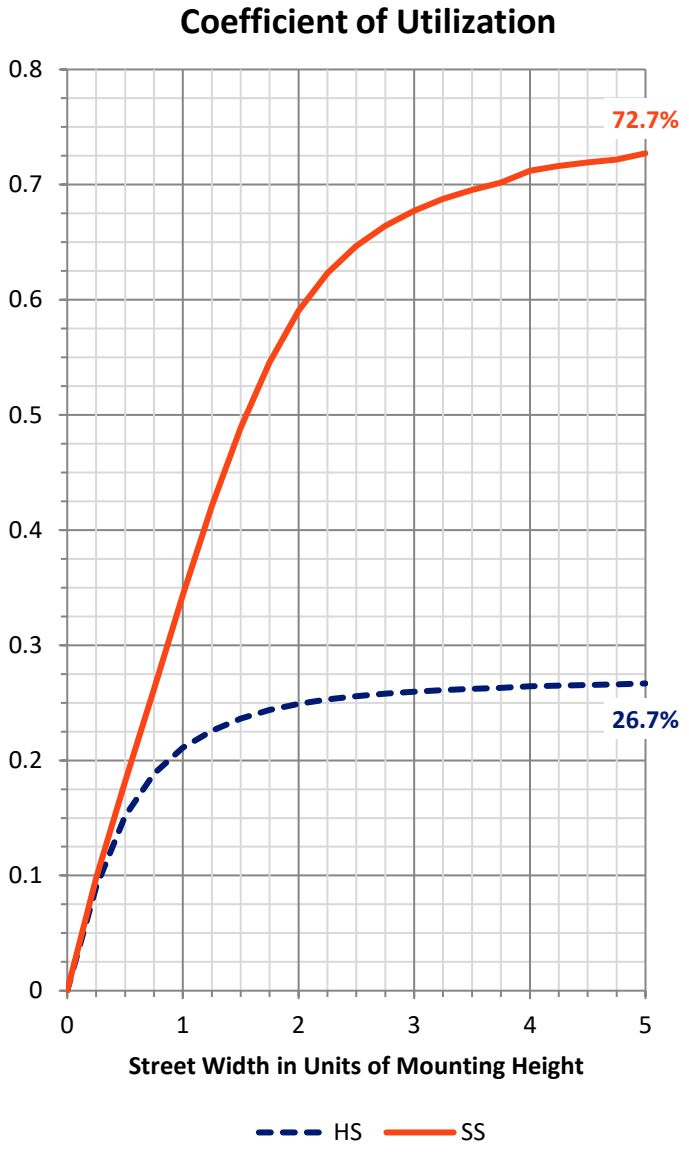
REPORT NUMBER: P1365017
CATALOG NUMBER: GSS-SB3C-750-U-SLL

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 5621.3 | 0.0 | 5621.3 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 15273.9 | 0.0 | 15273.9 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 20895.2 | 0.0 | 20895.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 329.0 | 1.6 |
| 10°-20° | 1008.2 | 4.8 |
| 20°-30° | 1560.3 | 7.5 |
| 30°-40° | 1935.8 | 9.3 |
| 40°-50° | 2830.8 | 13.5 |
| 50°-60° | 4434.1 | 21.2 |
| 60°-70° | 5261.4 | 25.2 |
| 70°-80° | 3068.7 | 14.7 |
| 80°-90° | 466.8 | 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° | 20895.2 | 100.0 |
| 0°-180° | 20895.2 | 100.0 |



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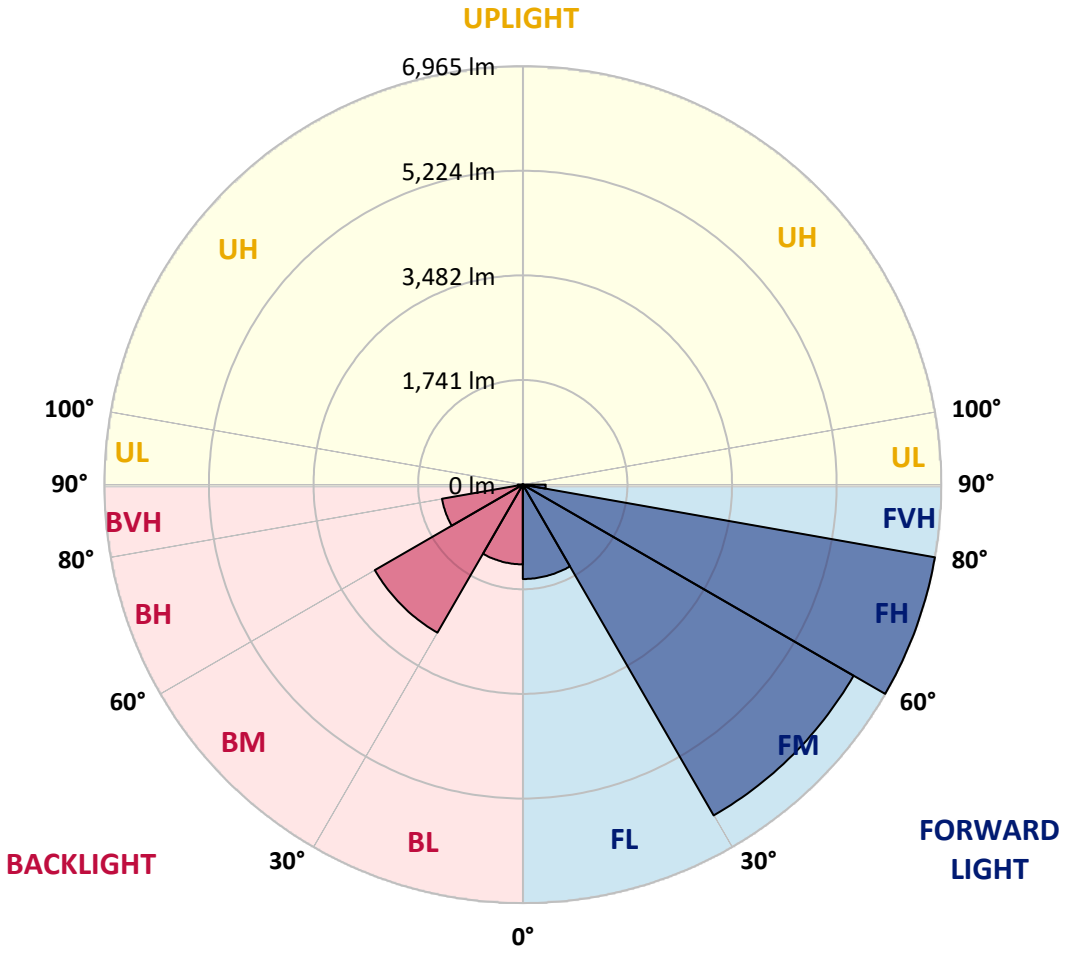
Scaled Data Report

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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°) | 1570.5 | 7.5 | | | |
| FM | (30°-60°) | 6356.7 | 30.4 | | | |
| FH | (60°-80°) | 6964.9 | 33.3 | | | G3/7500 |
| FVH | (80°-90°) | 381.8 | 1.8 | | | G3/500 |
| BL | (0°-30°) | 1327.0 | 6.4 | B3/2500 | | |
| BM | (30°-60°) | 2844.1 | 13.6 | B3/5000 | | |
| BH | (60°-80°) | 1365.2 | 6.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 85.0 | 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° | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | *3331.8* | 3331.8 |
| 2.5° | 3600.1 | 3612.8 | 3625.6 | 3639.4 | 3653.7 | 3661.9 | 3670.1 | 3678.8 | 3686.9 | *3694.6* | 3686.9 |
| 5° | 3845.3 | 3903.1 | 3960.3 | 3999.2 | 4038.0 | 4067.6 | 4097.3 | 4114.1 | 4131.5 | *4134.1* | 4131.5 |
| 7.5° | 4093.2 | 4161.7 | 4230.1 | 4289.4 | 4348.7 | 4386.5 | 4424.3 | 4446.3 | 4468.8 | *4476.4* | 4468.8 |
| 10° | 4249.0 | 4329.3 | 4410.0 | 4467.2 | 4525.0 | 4560.2 | 4595.0 | 4612.4 | 4629.7 | *4634.8* | 4629.7 |
| 12.5° | 4328.2 | 4405.4 | 4482.6 | 4527.0 | 4571.0 | 4593.5 | 4615.4 | 4623.6 | 4630.8 | *4624.6* | 4630.8 |
| 15° | 4366.6 | 4412.0 | 4457.0 | 4475.9 | 4494.3 | 4483.6 | 4472.3 | 4456.5 | 4440.7 | *4430.4* | 4440.7 |
| 17.5° | 4376.8 | 4392.6 | 4409.0 | 4374.7 | 4341.0 | 4279.7 | 4218.4 | 4172.4 | 4126.4 | *4093.2* | 4126.4 |
| 20° | 4410.0 | 4384.5 | 4358.9 | 4267.9 | 4177.5 | 4062.5 | 3947.5 | 3870.4 | 3792.7 | *3745.7* | 3792.7 |
| 22.5° | 4445.8 | 4373.7 | 4301.7 | 4148.9 | 3996.1 | 3838.7 | 3681.8 | 3592.9 | 3504.5 | *3454.4* | 3504.5 |
| 25° | 4502.0 | 4378.3 | 4254.1 | 4047.7 | 3841.8 | 3656.8 | 3472.3 | 3375.7 | 3279.7 | *3224.5* | 3279.7 |
| 27.5° | 4583.7 | 4394.7 | 4205.6 | 3950.1 | 3694.6 | 3494.3 | 3293.4 | 3201.5 | 3109.5 | *3060.9* | 3109.5 |
| 30° | 4698.7 | 4447.8 | 4196.4 | 3890.8 | 3584.7 | 3375.2 | 3165.7 | 3075.8 | 2985.3 | *2933.2* | 2985.3 |
| 32.5° | 4839.3 | 4522.4 | 4205.6 | 3863.2 | 3520.8 | 3307.2 | 3094.2 | 3007.8 | 2921.9 | *2877.0* | 2921.9 |
| 35° | 5076.9 | 4675.7 | 4274.6 | 3894.9 | 3515.7 | 3317.5 | 3119.7 | 3056.3 | 2993.5 | *2969.0* | 2993.5 |
| 37.5° | 5378.4 | 4909.8 | 4440.7 | 4049.7 | 3658.8 | 3523.9 | 3389.0 | 3389.0 | 3389.0 | *3408.4* | 3389.0 |
| 40° | 5822.9 | 5296.6 | 4770.3 | 4400.3 | 4030.8 | 4022.7 | 4015.5 | 4101.4 | 4187.7 | *4226.0* | 4187.7 |
| 42.5° | 6446.4 | 5889.9 | 5333.9 | 5035.5 | 4737.0 | 4915.9 | 5094.8 | 5343.1 | 5591.5 | *5754.0* | 5591.5 |
| 45° | 7220.6 | 6678.9 | 6137.2 | 5928.7 | 5720.7 | 6118.8 | 6516.4 | 6955.3 | 7394.3 | *7706.0* | 7394.3 |
| 47.5° | 7961.5 | 7505.7 | 7049.4 | 6930.3 | 6811.7 | 7473.5 | 8135.3 | 8778.6 | 9422.0 | *9801.1* | 9422.0 |
| 50° | 8820.0 | 8410.2 | 7999.8 | 7976.8 | 7953.8 | 8835.3 | 9716.8 | 10547.2 | 11377.6 | *11840.1* | 11377.6 |
| 52.5° | 9921.2 | 9471.0 | 9020.3 | 9038.7 | 9056.1 | 10103.1 | 11150.2 | 12154.3 | 13158.5 | *13679.7* | 13158.5 |
| 55° | 11237.1 | 10672.4 | 10107.7 | 10104.7 | 10101.6 | 11304.5 | 12508.5 | 13742.0 | 14976.6 | *15672.6* | 14976.6 |
| 57.5° | 12578.5 | 12049.6 | 11520.7 | 11395.0 | 11268.8 | 12526.9 | 13784.5 | 15146.8 | 16509.7 | *17241.4* | 16509.7 |
| 60° | 13585.2 | 13293.9 | 13002.6 | 12801.3 | 12600.4 | 13892.3 | 15184.6 | 16591.9 | 17998.7 | *18728.5* | 17998.7 |
| 62.5° | 13168.7 | 13689.4 | 14210.1 | 14195.3 | 14180.5 | 15575.0 | 16969.6 | 18433.1 | 19897.6 | *20552.8* | 19897.6 |
| 65° | *11763.4* | *12593.8* | *13424.2* | *13995.5* | *14566.3* | *16252.1* | *17937.4* | *19462.3* | *20987.1* | *21656.5* | *20987.1* |
| 67.5° | 10445.0 | 11176.8 | 11909.1 | 12376.6 | 12844.2 | 14743.6 | 16643.5 | 18373.8 | 20104.1 | *20792.9* | 20104.1 |
| 70° | 9182.8 | 9993.3 | 10803.7 | 11137.9 | 11472.1 | 13085.9 | 14699.2 | 16068.2 | 17436.6 | *17706.4* | 17436.6 |
| 72.5° | 7882.3 | 8846.1 | 9810.3 | 9951.9 | 10093.4 | 11267.7 | 12442.0 | 13171.2 | 13900.5 | *13311.8* | 13900.5 |
| 75° | 6454.0 | 7541.5 | 8628.4 | 8722.9 | 8817.5 | 9183.3 | 9549.7 | 9735.2 | 9921.2 | *9586.5* | 9921.2 |
| 77.5° | 4292.5 | 5233.7 | 6175.5 | 6387.6 | 6599.7 | 6843.4 | 7087.7 | 7074.9 | 7062.1 | *6592.0* | 7062.1 |
| 80° | 2519.3 | 3255.6 | 3992.0 | 4019.6 | 4047.2 | 4230.1 | 4412.6 | 4599.1 | 4785.6 | *4486.7* | 4785.6 |
| 82.5° | 1259.6 | 1663.8 | 2068.6 | 2130.9 | 2193.2 | 2305.2 | 2417.1 | 2469.2 | 2521.8 | *2268.9* | 2521.8 |
| 85° | 286.2 | 391.4 | 496.7 | 598.4 | 700.1 | 817.6 | 935.1 | 921.9 | 908.6 | *766.5* | 908.6 |
| 87.5° | 23.0 | 23.5 | 24.5 | 25.0 | 25.6 | 26.1 | 26.6 | 28.1 | 29.6 | *30.7* | 29.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | *0.0* | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 |
| 2.5° | 3678.8 | 3670.1 | 3661.9 | 3653.7 | 3639.4 | 3625.6 | 3612.8 | 3600.1 | 3567.4 | 3535.2 | 3505.5 |
| 5° | 4114.1 | 4097.3 | 4067.6 | 4038.0 | 3999.2 | 3960.3 | 3903.1 | 3845.3 | 3787.6 | 3730.4 | 3670.1 |
| 7.5° | 4446.3 | 4424.3 | 4386.5 | 4348.7 | 4289.4 | 4230.1 | 4161.7 | 4093.2 | 3996.1 | 3899.0 | 3807.5 |
| 10° | 4612.4 | 4595.0 | 4560.2 | 4525.0 | 4467.2 | 4410.0 | 4329.3 | 4249.0 | 4133.0 | 4016.5 | 3903.1 |
| 12.5° | 4623.6 | 4615.4 | 4593.5 | 4571.0 | 4527.0 | 4482.6 | 4405.4 | 4328.2 | 4212.8 | 4097.3 | 3970.0 |
| 15° | 4456.5 | 4472.3 | 4483.6 | 4494.3 | 4475.9 | 4457.0 | 4412.0 | 4366.6 | 4249.5 | 4133.0 | 4003.8 |
| 17.5° | 4172.4 | 4218.4 | 4279.7 | 4341.0 | 4374.7 | 4409.0 | 4392.6 | 4376.8 | 4267.4 | 4158.6 | 4020.6 |
| 20° | 3870.4 | 3947.5 | 4062.5 | 4177.5 | 4267.9 | 4358.9 | 4384.5 | 4410.0 | 4299.6 | 4189.2 | 4041.1 |
| 22.5° | 3592.9 | 3681.8 | 3838.7 | 3996.1 | 4148.9 | 4301.7 | 4373.7 | 4445.8 | 4344.6 | 4243.9 | 4080.9 |
| 25° | 3375.7 | 3472.3 | 3656.8 | 3841.8 | 4047.7 | 4254.1 | 4378.3 | 4502.0 | 4414.6 | 4327.2 | 4149.4 |
| 27.5° | 3201.5 | 3293.4 | 3494.3 | 3694.6 | 3950.1 | 4205.6 | 4394.7 | 4583.7 | 4516.8 | 4449.9 | 4249.5 |
| 30° | 3075.8 | 3165.7 | 3375.2 | 3584.7 | 3890.8 | 4196.4 | 4447.8 | 4698.7 | 4646.1 | 4594.0 | 4368.1 |
| 32.5° | 3007.8 | 3094.2 | 3307.2 | 3520.8 | 3863.2 | 4205.6 | 4522.4 | 4839.3 | 4806.5 | 4773.8 | 4507.6 |
| 35° | 3056.3 | 3119.7 | 3317.5 | 3515.7 | 3894.9 | 4274.6 | 4675.7 | 5076.9 | 5036.0 | 4995.1 | 4655.8 |
| 37.5° | 3389.0 | 3389.0 | 3523.9 | 3658.8 | 4049.7 | 4440.7 | 4909.8 | 5378.4 | 5329.8 | 5281.3 | 4836.7 |
| 40° | 4101.4 | 4015.5 | 4022.7 | 4030.8 | 4400.3 | 4770.3 | 5296.6 | 5822.9 | 5727.4 | 5631.3 | 5043.7 |
| 42.5° | 5343.1 | 5094.8 | 4915.9 | 4737.0 | 5035.5 | 5333.9 | 5889.9 | 6446.4 | 6244.0 | 6041.1 | 5272.6 |
| 45° | 6955.3 | 6516.4 | 6118.8 | 5720.7 | 5928.7 | 6137.2 | 6678.9 | 7220.6 | 6896.1 | 6571.6 | 5583.3 |
| 47.5° | 8778.6 | 8135.3 | 7473.5 | 6811.7 | 6930.3 | 7049.4 | 7505.7 | 7961.5 | 7550.7 | 7139.8 | 5902.7 |
| 50° | 10547.2 | 9716.8 | 8835.3 | 7953.8 | 7976.8 | 7999.8 | 8410.2 | 8820.0 | 8263.0 | 7706.0 | 6181.2 |
| 52.5° | 12154.3 | 11150.2 | 10103.1 | 9056.1 | 9038.7 | 9020.3 | 9471.0 | 9921.2 | 9036.7 | 8151.6 | 6313.0 |
| 55° | 13742.0 | 12508.5 | 11304.5 | 10101.6 | 10104.7 | 10107.7 | 10672.4 | 11237.1 | 9813.9 | 8390.8 | 6278.3 |
| 57.5° | 15146.8 | 13784.5 | 12526.9 | 11268.8 | 11395.0 | 11520.7 | 12049.6 | 12578.5 | 10466.5 | 8355.0 | 6088.7 |
| 60° | 16591.9 | 15184.6 | 13892.3 | 12600.4 | 12801.3 | 13002.6 | 13293.9 | 13585.2 | 10758.8 | 7931.9 | 5634.4 |
| 62.5° | 18433.1 | 16969.6 | 15575.0 | 14180.5 | 14195.3 | 14210.1 | 13689.4 | 13168.7 | 10110.3 | 7051.9 | 4889.8 |
| 65° | *19462.3* | *17937.4* | *16252.1* | *14566.3* | *13995.5* | *13424.2* | *12593.8* | *11763.4* | *8720.4* | *5677.3* | *3835.6* |
| 67.5° | 18373.8 | 16643.5 | 14743.6 | 12844.2 | 12376.6 | 11909.1 | 11176.8 | 10445.0 | 7489.3 | 4533.7 | 2984.8 |
| 70° | 16068.2 | 14699.2 | 13085.9 | 11472.1 | 11137.9 | 10803.7 | 9993.3 | 9182.8 | 6362.6 | 3542.3 | 2287.3 |
| 72.5° | 13171.2 | 12442.0 | 11267.7 | 10093.4 | 9951.9 | 9810.3 | 8846.1 | 7882.3 | 5283.3 | 2683.8 | 1719.5 |
| 75° | 9735.2 | 9549.7 | 9183.3 | 8817.5 | 8722.9 | 8628.4 | 7541.5 | 6454.0 | 4218.4 | 1982.7 | 1274.5 |
| 77.5° | 7074.9 | 7087.7 | 6843.4 | 6599.7 | 6387.6 | 6175.5 | 5233.7 | 4292.5 | 2767.6 | 1242.8 | 823.7 |
| 80° | 4599.1 | 4412.6 | 4230.1 | 4047.2 | 4019.6 | 3992.0 | 3255.6 | 2519.3 | 1586.7 | 654.1 | 455.3 |
| 82.5° | 2469.2 | 2417.1 | 2305.2 | 2193.2 | 2130.9 | 2068.6 | 1663.8 | 1259.6 | 795.1 | 331.1 | 244.8 |
| 85° | 921.9 | 935.1 | 817.6 | 700.1 | 598.4 | 496.7 | 391.4 | 286.2 | 189.1 | 92.0 | 77.7 |
| 87.5° | 28.1 | 26.6 | 26.1 | 25.6 | 25.0 | 24.5 | 23.5 | 23.0 | 22.5 | 21.5 | 21.0 |
| 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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CATALOG NUMBER: GSS-SB3C-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 |
| 2.5° | 3475.9 | 3446.2 | 3416.1 | 3387.5 | 3358.3 | 3329.2 | 3303.7 | 3276.1 | 3249.0 | 3227.5 | 3206.6 |
| 5° | 3610.3 | 3551.5 | 3492.7 | 3437.0 | 3381.9 | 3324.1 | 3274.5 | 3225.5 | 3177.5 | 3137.6 | 3097.7 |
| 7.5° | 3716.1 | 3634.3 | 3552.5 | 3479.5 | 3405.9 | 3329.2 | 3269.4 | 3209.6 | 3150.4 | 3098.8 | 3046.6 |
| 10° | 3789.1 | 3688.5 | 3587.3 | 3503.0 | 3418.6 | 3336.9 | 3273.0 | 3210.2 | 3147.8 | 3094.7 | 3041.5 |
| 12.5° | 3842.8 | 3729.9 | 3616.9 | 3523.9 | 3431.4 | 3342.0 | 3279.7 | 3227.5 | 3175.9 | 3138.6 | 3101.8 |
| 15° | 3874.5 | 3752.8 | 3630.7 | 3526.0 | 3421.2 | 3321.6 | 3266.4 | 3232.6 | 3198.9 | 3195.8 | 3192.8 |
| 17.5° | 3882.6 | 3743.6 | 3605.2 | 3483.0 | 3361.4 | 3244.9 | 3197.9 | 3193.3 | 3188.7 | 3239.3 | 3289.9 |
| 20° | 3892.9 | 3729.9 | 3566.8 | 3406.4 | 3245.9 | 3091.6 | 3062.0 | 3091.1 | 3119.7 | 3218.8 | 3317.5 |
| 22.5° | 3918.4 | 3719.1 | 3519.8 | 3318.5 | 3117.2 | 2933.2 | 2905.1 | 2948.0 | 2990.4 | 3119.7 | 3249.0 |
| 25° | 3971.6 | 3718.1 | 3464.6 | 3213.7 | 2962.8 | 2751.8 | 2749.2 | 2795.7 | 2842.2 | 2961.8 | 3081.4 |
| 27.5° | 4049.7 | 3727.8 | 3405.9 | 3106.4 | 2806.5 | 2590.8 | 2603.6 | 2648.0 | 2693.0 | 2781.9 | 2870.8 |
| 30° | 4141.7 | 3748.8 | 3356.3 | 3012.9 | 2670.0 | 2460.5 | 2474.3 | 2509.1 | 2543.8 | 2608.2 | 2672.6 |
| 32.5° | 4241.4 | 3772.3 | 3303.7 | 2931.1 | 2559.1 | 2366.0 | 2366.0 | 2380.8 | 2395.6 | 2437.5 | 2479.4 |
| 35° | 4317.0 | 3766.6 | 3216.8 | 2838.1 | 2459.0 | 2309.8 | 2278.1 | 2265.8 | 2253.5 | 2281.1 | 2308.7 |
| 37.5° | 4392.1 | 3750.8 | 3109.5 | 2734.9 | 2360.9 | 2243.3 | 2183.0 | 2150.3 | 2116.6 | 2129.9 | 2142.1 |
| 40° | 4456.0 | 3715.0 | 2974.1 | 2611.8 | 2249.5 | 2156.5 | 2080.8 | 2031.8 | 1982.7 | 1981.7 | 1980.2 |
| 42.5° | 4503.0 | 3653.2 | 2802.9 | 2465.1 | 2126.8 | 2061.9 | 1968.4 | 1906.1 | 1843.7 | 1837.1 | 1830.4 |
| 45° | 4595.0 | 3610.8 | 2626.6 | 2315.9 | 2005.7 | 1946.9 | 1853.9 | 1789.6 | 1726.2 | 1716.0 | 1705.7 |
| 47.5° | 4665.5 | 3561.2 | 2456.9 | 2167.7 | 1879.5 | 1811.5 | 1724.7 | 1670.0 | 1614.8 | 1608.7 | 1602.0 |
| 50° | 4656.3 | 3476.9 | 2297.0 | 2035.9 | 1774.2 | 1681.2 | 1595.4 | 1550.4 | 1504.9 | 1512.6 | 1520.3 |
| 52.5° | 4473.9 | 3304.2 | 2135.0 | 1917.3 | 1700.6 | 1581.6 | 1489.6 | 1455.9 | 1421.6 | 1445.6 | 1469.1 |
| 55° | 4165.7 | 3075.2 | 1983.7 | 1818.2 | 1651.6 | 1533.0 | 1424.7 | 1386.9 | 1349.1 | 1382.8 | 1416.5 |
| 57.5° | 3822.3 | 2835.6 | 1848.8 | 1734.4 | 1619.9 | 1520.3 | 1387.4 | 1334.2 | 1281.6 | 1315.3 | 1349.1 |
| 60° | 3336.9 | 2532.6 | 1728.2 | 1648.0 | 1567.8 | 1489.6 | 1356.7 | 1290.3 | 1223.9 | 1246.3 | 1268.3 |
| 62.5° | 2727.8 | 2148.3 | 1568.8 | 1523.8 | 1479.4 | 1446.2 | 1319.4 | 1232.6 | 1145.7 | 1148.7 | 1150.8 |
| 65° | *1994.0* | *1688.4* | *1382.3* | *1372.6* | *1363.4* | *1354.2* | *1249.4* | *1155.9* | *1062.9* | *1052.7* | *1042.5* |
| 67.5° | 1435.9 | 1290.8 | 1145.7 | 1172.8 | 1199.8 | 1213.6 | 1142.1 | 1059.8 | 977.0 | 956.1 | 935.1 |
| 70° | 1032.2 | 981.1 | 930.0 | 970.4 | 1010.8 | 1006.7 | 971.9 | 922.9 | 873.8 | 860.5 | 847.3 |
| 72.5° | 755.3 | 754.2 | 753.7 | 784.4 | 815.1 | 774.2 | 796.2 | 784.9 | 774.2 | 764.5 | 755.3 |
| 75° | 566.2 | 562.6 | 559.6 | 595.8 | 632.6 | 649.0 | 663.3 | 657.2 | 651.5 | 644.4 | 637.7 |
| 77.5° | 404.7 | 407.8 | 409.8 | 449.7 | 489.5 | 536.6 | 539.1 | 525.8 | 512.0 | 504.9 | 496.7 |
| 80° | 256.5 | 259.6 | 261.6 | 303.5 | 344.9 | 411.4 | 408.8 | 392.5 | 375.6 | 370.0 | 363.8 |
| 82.5° | 158.4 | 158.9 | 159.4 | 179.9 | 200.3 | 237.6 | 247.8 | 247.8 | 247.8 | 244.3 | 240.2 |
| 85° | 63.9 | 66.9 | 70.5 | 83.8 | 97.1 | 117.5 | 123.7 | 124.7 | 125.2 | 119.6 | 113.4 |
| 87.5° | 20.4 | 21.5 | 23.0 | 25.6 | 28.1 | 30.7 | 35.8 | 38.8 | 41.9 | 45.0 | 47.0 |
| 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: P1365017
CATALOG NUMBER: GSS-SB3C-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 |
| 2.5° | 3188.2 | 3169.3 | 3147.3 | 3124.8 | 3109.0 | 3092.6 | 3081.9 | 3071.2 | 3066.1 | 3060.9 | 3056.9 |
| 5° | 3065.0 | 3031.3 | 3001.7 | 2971.5 | 2948.0 | 2924.0 | 2904.6 | 2884.6 | 2876.5 | 2867.8 | 2862.2 |
| 7.5° | 3002.7 | 2958.7 | 2921.9 | 2884.6 | 2849.4 | 2814.6 | 2792.2 | 2769.7 | 2756.4 | 2743.1 | 2733.4 |
| 10° | 2995.0 | 2948.5 | 2900.0 | 2851.4 | 2812.6 | 2773.8 | 2740.0 | 2707.3 | 2688.4 | 2670.0 | 2659.8 |
| 12.5° | 3058.9 | 3016.0 | 2958.2 | 2900.0 | 2847.3 | 2795.2 | 2753.8 | 2712.4 | 2688.9 | 2666.4 | 2651.1 |
| 15° | 3178.0 | 3163.1 | 3109.5 | 3055.8 | 2983.3 | 2910.2 | 2850.9 | 2791.1 | 2758.4 | 2724.7 | 2705.8 |
| 17.5° | 3319.0 | 3348.1 | 3310.8 | 3273.0 | 3170.8 | 3068.6 | 2980.2 | 2892.3 | 2844.3 | 2796.2 | 2779.4 |
| 20° | 3396.2 | 3474.9 | 3470.8 | 3467.2 | 3333.8 | 3199.9 | 3083.9 | 2967.9 | 2903.6 | 2840.2 | 2814.6 |
| 22.5° | 3362.4 | 3475.9 | 3505.0 | 3533.6 | 3402.8 | 3271.5 | 3128.4 | 2985.3 | 2909.7 | 2833.5 | 2809.5 |
| 25° | 3203.5 | 3325.6 | 3379.8 | 3434.0 | 3326.2 | 3218.3 | 3079.3 | 2940.9 | 2861.1 | 2780.9 | 2756.4 |
| 27.5° | 2969.0 | 3067.1 | 3127.9 | 3188.7 | 3122.8 | 3056.9 | 2944.4 | 2832.0 | 2761.5 | 2690.5 | 2664.4 |
| 30° | 2739.0 | 2805.4 | 2854.0 | 2902.5 | 2859.1 | 2815.7 | 2734.9 | 2654.7 | 2602.1 | 2549.9 | 2533.6 |
| 32.5° | 2529.0 | 2578.0 | 2605.1 | 2631.7 | 2598.0 | 2564.2 | 2511.1 | 2458.0 | 2425.2 | 2392.5 | 2381.8 |
| 35° | 2348.6 | 2389.0 | 2409.4 | 2429.8 | 2401.7 | 2373.6 | 2326.1 | 2279.1 | 2255.6 | 2232.1 | 2223.4 |
| 37.5° | 2176.4 | 2210.1 | 2239.2 | 2268.9 | 2248.4 | 2228.0 | 2187.6 | 2147.3 | 2119.7 | 2091.0 | 2075.7 |
| 40° | 2012.9 | 2045.1 | 2081.8 | 2118.1 | 2114.6 | 2110.5 | 2072.1 | 2033.8 | 1994.0 | 1954.6 | 1933.7 |
| 42.5° | 1862.6 | 1894.8 | 1933.7 | 1972.5 | 1980.2 | 1987.8 | 1956.1 | 1923.9 | 1878.0 | 1832.0 | 1799.8 |
| 45° | 1733.3 | 1762.0 | 1804.4 | 1847.3 | 1865.2 | 1883.1 | 1854.4 | 1825.3 | 1773.7 | 1722.1 | 1683.8 |
| 47.5° | 1631.1 | 1660.8 | 1707.8 | 1755.3 | 1774.2 | 1793.6 | 1774.2 | 1755.3 | 1710.9 | 1665.9 | 1632.2 |
| 50° | 1552.4 | 1584.1 | 1620.9 | 1658.2 | 1693.5 | 1728.2 | 1724.7 | 1721.1 | 1685.8 | 1650.6 | 1618.9 |
| 52.5° | 1498.3 | 1527.9 | 1566.2 | 1604.6 | 1641.4 | 1678.7 | 1684.3 | 1690.4 | 1664.9 | 1639.3 | 1611.7 |
| 55° | 1451.8 | 1487.0 | 1522.8 | 1558.6 | 1593.3 | 1627.6 | 1635.2 | 1642.9 | 1624.5 | 1605.6 | 1585.1 |
| 57.5° | 1387.4 | 1425.7 | 1461.5 | 1497.3 | 1537.6 | 1578.0 | 1584.1 | 1590.3 | 1570.8 | 1550.9 | 1535.6 |
| 60° | 1307.7 | 1346.5 | 1383.8 | 1420.6 | 1461.5 | 1502.4 | 1510.5 | 1518.7 | 1503.4 | 1488.1 | 1473.7 |
| 62.5° | 1195.2 | 1239.2 | 1269.9 | 1300.5 | 1339.4 | 1378.7 | 1390.5 | 1402.7 | 1395.6 | 1388.9 | 1372.6 |
| 65° | *1084.4* | *1126.8* | *1150.8* | *1175.3* | *1209.0* | *1242.8* | *1254.5* | *1266.3* | *1262.7* | *1259.6* | *1247.9* |
| 67.5° | 974.0 | 1012.8 | 1032.7 | 1052.7 | 1075.7 | 1098.7 | 1112.0 | 1125.2 | 1118.6 | 1111.4 | 1099.2 |
| 70° | 878.9 | 910.6 | 928.0 | 945.4 | 963.8 | 982.2 | 989.3 | 996.5 | 986.2 | 976.0 | 948.4 |
| 72.5° | 779.3 | 803.3 | 818.1 | 832.9 | 850.3 | 867.7 | 871.8 | 876.4 | 860.5 | 844.2 | 812.0 |
| 75° | 656.1 | 674.5 | 685.8 | 697.5 | 715.4 | 733.3 | 741.0 | 748.6 | 726.1 | 704.2 | 669.9 |
| 77.5° | 513.6 | 530.4 | 541.2 | 551.9 | 566.7 | 581.5 | 583.6 | 586.6 | 567.2 | 547.8 | 527.4 |
| 80° | 376.1 | 388.4 | 392.5 | 396.0 | 408.3 | 420.0 | 420.0 | 420.0 | 405.7 | 390.9 | 380.7 |
| 82.5° | 237.6 | 235.1 | 230.0 | 224.8 | 237.1 | 249.4 | 253.5 | 258.1 | 251.4 | 245.3 | 234.0 |
| 85° | 106.3 | 98.1 | 96.6 | 94.5 | 94.0 | 93.0 | 96.6 | 99.6 | 98.1 | 97.1 | 93.0 |
| 87.5° | 50.1 | 52.1 | 50.6 | 48.5 | 46.5 | 45.0 | 40.9 | 36.8 | 33.7 | 30.7 | 28.6 |
| 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: P1365017
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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 |
| 2.5° | 3053.3 | 3050.7 | 3053.3 | 3056.9 | 3060.9 | 3066.1 | 3071.2 | 3081.9 | 3092.6 | 3109.0 | 3124.8 |
| 5° | 2856.5 | 2851.4 | 2856.5 | 2862.2 | 2867.8 | 2876.5 | 2884.6 | 2904.6 | 2924.0 | 2948.0 | 2971.5 |
| 7.5° | 2723.7 | 2718.6 | 2723.7 | 2733.4 | 2743.1 | 2756.4 | 2769.7 | 2792.2 | 2814.6 | 2849.4 | 2884.6 |
| 10° | 2649.6 | 2641.9 | 2649.6 | 2659.8 | 2670.0 | 2688.4 | 2707.3 | 2740.0 | 2773.8 | 2812.6 | 2851.4 |
| 12.5° | 2635.8 | 2626.6 | 2635.8 | 2651.1 | 2666.4 | 2688.9 | 2712.4 | 2753.8 | 2795.2 | 2847.3 | 2900.0 |
| 15° | 2686.9 | 2672.6 | 2686.9 | 2705.8 | 2724.7 | 2758.4 | 2791.1 | 2850.9 | 2910.2 | 2983.3 | 3055.8 |
| 17.5° | 2762.0 | 2754.3 | 2762.0 | 2779.4 | 2796.2 | 2844.3 | 2892.3 | 2980.2 | 3068.6 | 3170.8 | 3273.0 |
| 20° | 2789.1 | 2779.9 | 2789.1 | 2814.6 | 2840.2 | 2903.6 | 2967.9 | 3083.9 | 3199.9 | 3333.8 | 3467.2 |
| 22.5° | 2785.0 | 2774.8 | 2785.0 | 2809.5 | 2833.5 | 2909.7 | 2985.3 | 3128.4 | 3271.5 | 3402.8 | 3533.6 |
| 25° | 2731.3 | 2723.7 | 2731.3 | 2756.4 | 2780.9 | 2861.1 | 2940.9 | 3079.3 | 3218.3 | 3326.2 | 3434.0 |
| 27.5° | 2637.8 | 2621.5 | 2637.8 | 2664.4 | 2690.5 | 2761.5 | 2832.0 | 2944.4 | 3056.9 | 3122.8 | 3188.7 |
| 30° | 2516.7 | 2509.1 | 2516.7 | 2533.6 | 2549.9 | 2602.1 | 2654.7 | 2734.9 | 2815.7 | 2859.1 | 2902.5 |
| 32.5° | 2371.1 | 2366.0 | 2371.1 | 2381.8 | 2392.5 | 2425.2 | 2458.0 | 2511.1 | 2564.2 | 2598.0 | 2631.7 |
| 35° | 2215.2 | 2207.6 | 2215.2 | 2223.4 | 2232.1 | 2255.6 | 2279.1 | 2326.1 | 2373.6 | 2401.7 | 2429.8 |
| 37.5° | 2060.4 | 2049.1 | 2060.4 | 2075.7 | 2091.0 | 2119.7 | 2147.3 | 2187.6 | 2228.0 | 2248.4 | 2268.9 |
| 40° | 1912.2 | 1901.0 | 1912.2 | 1933.7 | 1954.6 | 1994.0 | 2033.8 | 2072.1 | 2110.5 | 2114.6 | 2118.1 |
| 42.5° | 1768.1 | 1747.6 | 1768.1 | 1799.8 | 1832.0 | 1878.0 | 1923.9 | 1956.1 | 1987.8 | 1980.2 | 1972.5 |
| 45° | 1645.4 | 1619.9 | 1645.4 | 1683.8 | 1722.1 | 1773.7 | 1825.3 | 1854.4 | 1883.1 | 1865.2 | 1847.3 |
| 47.5° | 1598.4 | 1573.9 | 1598.4 | 1632.2 | 1665.9 | 1710.9 | 1755.3 | 1774.2 | 1793.6 | 1774.2 | 1755.3 |
| 50° | 1586.7 | 1563.7 | 1586.7 | 1618.9 | 1650.6 | 1685.8 | 1721.1 | 1724.7 | 1728.2 | 1693.5 | 1658.2 |
| 52.5° | 1584.1 | 1563.7 | 1584.1 | 1611.7 | 1639.3 | 1664.9 | 1690.4 | 1684.3 | 1678.7 | 1641.4 | 1604.6 |
| 55° | 1564.7 | 1548.4 | 1564.7 | 1585.1 | 1605.6 | 1624.5 | 1642.9 | 1635.2 | 1627.6 | 1593.3 | 1558.6 |
| 57.5° | 1520.3 | 1512.6 | 1520.3 | 1535.6 | 1550.9 | 1570.8 | 1590.3 | 1584.1 | 1578.0 | 1537.6 | 1497.3 |
| 60° | 1458.9 | 1446.2 | 1458.9 | 1473.7 | 1488.1 | 1503.4 | 1518.7 | 1510.5 | 1502.4 | 1461.5 | 1420.6 |
| 62.5° | 1356.7 | 1338.8 | 1356.7 | 1372.6 | 1388.9 | 1395.6 | 1402.7 | 1390.5 | 1378.7 | 1339.4 | 1300.5 |
| 65° | *1236.6* | *1216.2* | *1236.6* | *1247.9* | *1259.6* | *1262.7* | *1266.3* | *1254.5* | *1242.8* | *1209.0* | *1175.3* |
| 67.5° | 1087.4 | 1083.3 | 1087.4 | 1099.2 | 1111.4 | 1118.6 | 1125.2 | 1112.0 | 1098.7 | 1075.7 | 1052.7 |
| 70° | 920.8 | 889.2 | 920.8 | 948.4 | 976.0 | 986.2 | 996.5 | 989.3 | 982.2 | 963.8 | 945.4 |
| 72.5° | 779.3 | 746.1 | 779.3 | 812.0 | 844.2 | 860.5 | 876.4 | 871.8 | 867.7 | 850.3 | 832.9 |
| 75° | 636.2 | 613.2 | 636.2 | 669.9 | 704.2 | 726.1 | 748.6 | 741.0 | 733.3 | 715.4 | 697.5 |
| 77.5° | 506.9 | 495.7 | 506.9 | 527.4 | 547.8 | 567.2 | 586.6 | 583.6 | 581.5 | 566.7 | 551.9 |
| 80° | 370.5 | 362.8 | 370.5 | 380.7 | 390.9 | 405.7 | 420.0 | 420.0 | 420.0 | 408.3 | 396.0 |
| 82.5° | 222.3 | 214.6 | 222.3 | 234.0 | 245.3 | 251.4 | 258.1 | 253.5 | 249.4 | 237.1 | 224.8 |
| 85° | 89.4 | 86.9 | 89.4 | 93.0 | 97.1 | 98.1 | 99.6 | 96.6 | 93.0 | 94.0 | 94.5 |
| 87.5° | 26.6 | 25.6 | 26.6 | 28.6 | 30.7 | 33.7 | 36.8 | 40.9 | 45.0 | 46.5 | 48.5 |
| 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

REPORT NUMBER: P1365017
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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 |
| 2.5° | 3147.3 | 3169.3 | 3188.2 | 3206.6 | 3227.5 | 3249.0 | 3276.1 | 3303.7 | 3329.2 | 3358.3 | 3387.5 |
| 5° | 3001.7 | 3031.3 | 3065.0 | 3097.7 | 3137.6 | 3177.5 | 3225.5 | 3274.5 | 3324.1 | 3381.9 | 3437.0 |
| 7.5° | 2921.9 | 2958.7 | 3002.7 | 3046.6 | 3098.8 | 3150.4 | 3209.6 | 3269.4 | 3329.2 | 3405.9 | 3479.5 |
| 10° | 2900.0 | 2948.5 | 2995.0 | 3041.5 | 3094.7 | 3147.8 | 3210.2 | 3273.0 | 3336.9 | 3418.6 | 3503.0 |
| 12.5° | 2958.2 | 3016.0 | 3058.9 | 3101.8 | 3138.6 | 3175.9 | 3227.5 | 3279.7 | 3342.0 | 3431.4 | 3523.9 |
| 15° | 3109.5 | 3163.1 | 3178.0 | 3192.8 | 3195.8 | 3198.9 | 3232.6 | 3266.4 | 3321.6 | 3421.2 | 3526.0 |
| 17.5° | 3310.8 | 3348.1 | 3319.0 | 3289.9 | 3239.3 | 3188.7 | 3193.3 | 3197.9 | 3244.9 | 3361.4 | 3483.0 |
| 20° | 3470.8 | 3474.9 | 3396.2 | 3317.5 | 3218.8 | 3119.7 | 3091.1 | 3062.0 | 3091.6 | 3245.9 | 3406.4 |
| 22.5° | 3505.0 | 3475.9 | 3362.4 | 3249.0 | 3119.7 | 2990.4 | 2948.0 | 2905.1 | 2933.2 | 3117.2 | 3318.5 |
| 25° | 3379.8 | 3325.6 | 3203.5 | 3081.4 | 2961.8 | 2842.2 | 2795.7 | 2749.2 | 2751.8 | 2962.8 | 3213.7 |
| 27.5° | 3127.9 | 3067.1 | 2969.0 | 2870.8 | 2781.9 | 2693.0 | 2648.0 | 2603.6 | 2590.8 | 2806.5 | 3106.4 |
| 30° | 2854.0 | 2805.4 | 2739.0 | 2672.6 | 2608.2 | 2543.8 | 2509.1 | 2474.3 | 2460.5 | 2670.0 | 3012.9 |
| 32.5° | 2605.1 | 2578.0 | 2529.0 | 2479.4 | 2437.5 | 2395.6 | 2380.8 | 2366.0 | 2366.0 | 2559.1 | 2931.1 |
| 35° | 2409.4 | 2389.0 | 2348.6 | 2308.7 | 2281.1 | 2253.5 | 2265.8 | 2278.1 | 2309.8 | 2459.0 | 2838.1 |
| 37.5° | 2239.2 | 2210.1 | 2176.4 | 2142.1 | 2129.9 | 2116.6 | 2150.3 | 2183.0 | 2243.3 | 2360.9 | 2734.9 |
| 40° | 2081.8 | 2045.1 | 2012.9 | 1980.2 | 1981.7 | 1982.7 | 2031.8 | 2080.8 | 2156.5 | 2249.5 | 2611.8 |
| 42.5° | 1933.7 | 1894.8 | 1862.6 | 1830.4 | 1837.1 | 1843.7 | 1906.1 | 1968.4 | 2061.9 | 2126.8 | 2465.1 |
| 45° | 1804.4 | 1762.0 | 1733.3 | 1705.7 | 1716.0 | 1726.2 | 1789.6 | 1853.9 | 1946.9 | 2005.7 | 2315.9 |
| 47.5° | 1707.8 | 1660.8 | 1631.1 | 1602.0 | 1608.7 | 1614.8 | 1670.0 | 1724.7 | 1811.5 | 1879.5 | 2167.7 |
| 50° | 1620.9 | 1584.1 | 1552.4 | 1520.3 | 1512.6 | 1504.9 | 1550.4 | 1595.4 | 1681.2 | 1774.2 | 2035.9 |
| 52.5° | 1566.2 | 1527.9 | 1498.3 | 1469.1 | 1445.6 | 1421.6 | 1455.9 | 1489.6 | 1581.6 | 1700.6 | 1917.3 |
| 55° | 1522.8 | 1487.0 | 1451.8 | 1416.5 | 1382.8 | 1349.1 | 1386.9 | 1424.7 | 1533.0 | 1651.6 | 1818.2 |
| 57.5° | 1461.5 | 1425.7 | 1387.4 | 1349.1 | 1315.3 | 1281.6 | 1334.2 | 1387.4 | 1520.3 | 1619.9 | 1734.4 |
| 60° | 1383.8 | 1346.5 | 1307.7 | 1268.3 | 1246.3 | 1223.9 | 1290.3 | 1356.7 | 1489.6 | 1567.8 | 1648.0 |
| 62.5° | 1269.9 | 1239.2 | 1195.2 | 1150.8 | 1148.7 | 1145.7 | 1232.6 | 1319.4 | 1446.2 | 1479.4 | 1523.8 |
| 65° | *1150.8* | *1126.8* | *1084.4* | *1042.5* | *1052.7* | *1062.9* | *1155.9* | *1249.4* | *1354.2* | *1363.4* | *1372.6* |
| 67.5° | 1032.7 | 1012.8 | 974.0 | 935.1 | 956.1 | 977.0 | 1059.8 | 1142.1 | 1213.6 | 1199.8 | 1172.8 |
| 70° | 928.0 | 910.6 | 878.9 | 847.3 | 860.5 | 873.8 | 922.9 | 971.9 | 1006.7 | 1010.8 | 970.4 |
| 72.5° | 818.1 | 803.3 | 779.3 | 755.3 | 764.5 | 774.2 | 784.9 | 796.2 | 774.2 | 815.1 | 784.4 |
| 75° | 685.8 | 674.5 | 656.1 | 637.7 | 644.4 | 651.5 | 657.2 | 663.3 | 649.0 | 632.6 | 595.8 |
| 77.5° | 541.2 | 530.4 | 513.6 | 496.7 | 504.9 | 512.0 | 525.8 | 539.1 | 536.6 | 489.5 | 449.7 |
| 80° | 392.5 | 388.4 | 376.1 | 363.8 | 370.0 | 375.6 | 392.5 | 408.8 | 411.4 | 344.9 | 303.5 |
| 82.5° | 230.0 | 235.1 | 237.6 | 240.2 | 244.3 | 247.8 | 247.8 | 247.8 | 237.6 | 200.3 | 179.9 |
| 85° | 96.6 | 98.1 | 106.3 | 113.4 | 119.6 | 125.2 | 124.7 | 123.7 | 117.5 | 97.1 | 83.8 |
| 87.5° | 50.6 | 52.1 | 50.1 | 47.0 | 45.0 | 41.9 | 38.8 | 35.8 | 30.7 | 28.1 | 25.6 |
| 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: P1365017
CATALOG NUMBER: GSS-SB3C-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 | 3331.8 |
| 2.5° | 3416.1 | 3446.2 | 3475.9 | 3505.5 | 3535.2 | 3567.4 | 3600.1 |
| 5° | 3492.7 | 3551.5 | 3610.3 | 3670.1 | 3730.4 | 3787.6 | 3845.3 |
| 7.5° | 3552.5 | 3634.3 | 3716.1 | 3807.5 | 3899.0 | 3996.1 | 4093.2 |
| 10° | 3587.3 | 3688.5 | 3789.1 | 3903.1 | 4016.5 | 4133.0 | 4249.0 |
| 12.5° | 3616.9 | 3729.9 | 3842.8 | 3970.0 | 4097.3 | 4212.8 | 4328.2 |
| 15° | 3630.7 | 3752.8 | 3874.5 | 4003.8 | 4133.0 | 4249.5 | 4366.6 |
| 17.5° | 3605.2 | 3743.6 | 3882.6 | 4020.6 | 4158.6 | 4267.4 | 4376.8 |
| 20° | 3566.8 | 3729.9 | 3892.9 | 4041.1 | 4189.2 | 4299.6 | 4410.0 |
| 22.5° | 3519.8 | 3719.1 | 3918.4 | 4080.9 | 4243.9 | 4344.6 | 4445.8 |
| 25° | 3464.6 | 3718.1 | 3971.6 | 4149.4 | 4327.2 | 4414.6 | 4502.0 |
| 27.5° | 3405.9 | 3727.8 | 4049.7 | 4249.5 | 4449.9 | 4516.8 | 4583.7 |
| 30° | 3356.3 | 3748.8 | 4141.7 | 4368.1 | 4594.0 | 4646.1 | 4698.7 |
| 32.5° | 3303.7 | 3772.3 | 4241.4 | 4507.6 | 4773.8 | 4806.5 | 4839.3 |
| 35° | 3216.8 | 3766.6 | 4317.0 | 4655.8 | 4995.1 | 5036.0 | 5076.9 |
| 37.5° | 3109.5 | 3750.8 | 4392.1 | 4836.7 | 5281.3 | 5329.8 | 5378.4 |
| 40° | 2974.1 | 3715.0 | 4456.0 | 5043.7 | 5631.3 | 5727.4 | 5822.9 |
| 42.5° | 2802.9 | 3653.2 | 4503.0 | 5272.6 | 6041.1 | 6244.0 | 6446.4 |
| 45° | 2626.6 | 3610.8 | 4595.0 | 5583.3 | 6571.6 | 6896.1 | 7220.6 |
| 47.5° | 2456.9 | 3561.2 | 4665.5 | 5902.7 | 7139.8 | 7550.7 | 7961.5 |
| 50° | 2297.0 | 3476.9 | 4656.3 | 6181.2 | 7706.0 | 8263.0 | 8820.0 |
| 52.5° | 2135.0 | 3304.2 | 4473.9 | 6313.0 | 8151.6 | 9036.7 | 9921.2 |
| 55° | 1983.7 | 3075.2 | 4165.7 | 6278.3 | 8390.8 | 9813.9 | 11237.1 |
| 57.5° | 1848.8 | 2835.6 | 3822.3 | 6088.7 | 8355.0 | 10466.5 | 12578.5 |
| 60° | 1728.2 | 2532.6 | 3336.9 | 5634.4 | 7931.9 | 10758.8 | 13585.2 |
| 62.5° | 1568.8 | 2148.3 | 2727.8 | 4889.8 | 7051.9 | 10110.3 | 13168.7 |
| 65° | *1382.3* | *1688.4* | *1994.0* | *3835.6* | *5677.3* | *8720.4* | *11763.4* |
| 67.5° | 1145.7 | 1290.8 | 1435.9 | 2984.8 | 4533.7 | 7489.3 | 10445.0 |
| 70° | 930.0 | 981.1 | 1032.2 | 2287.3 | 3542.3 | 6362.6 | 9182.8 |
| 72.5° | 753.7 | 754.2 | 755.3 | 1719.5 | 2683.8 | 5283.3 | 7882.3 |
| 75° | 559.6 | 562.6 | 566.2 | 1274.5 | 1982.7 | 4218.4 | 6454.0 |
| 77.5° | 409.8 | 407.8 | 404.7 | 823.7 | 1242.8 | 2767.6 | 4292.5 |
| 80° | 261.6 | 259.6 | 256.5 | 455.3 | 654.1 | 1586.7 | 2519.3 |
| 82.5° | 159.4 | 158.9 | 158.4 | 244.8 | 331.1 | 795.1 | 1259.6 |
| 85° | 70.5 | 66.9 | 63.9 | 77.7 | 92.0 | 189.1 | 286.2 |
| 87.5° | 23.0 | 21.5 | 20.4 | 21.0 | 21.5 | 22.5 | 23.0 |
| 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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

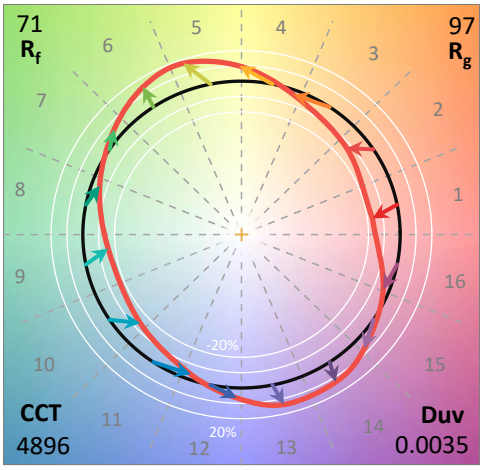
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-6 |
| 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-750-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 4896 |
| CIE u': | 0.2101 |
| CIE v': | 0.4901 |
| Duv: | 0.0035 |
| CIE x: | 0.3489 |
| CIE y: | 0.3618 |
| CIE z: | 0.2893 |
| Peak Wavelength (nm): | 443 |
| Dominant Wavelength (nm): | 570 |
| Purity: | 13.25435 |
| Rf: | 70.7 |
| Rg: | 96.8 |

| | |
|---|---|
| CRI (Ra): | 70.2 |
| R1: | 68.1 |
| R2: | 73.9 |
| R3: | 79.4 |
| R4: | 72.1 |
| R5: | 69.2 |
| R6: | 65.7 |
| R7: | 78.1 |
| R8: | 55.3 |
| R9: | -35.1 |
| R10: | 39.3 |
| R11: | 71.1 |
| R12: | 43.8 |
| R13: | 68.1 |
| R14: | 88.4 |
| R15: | 59.7 |



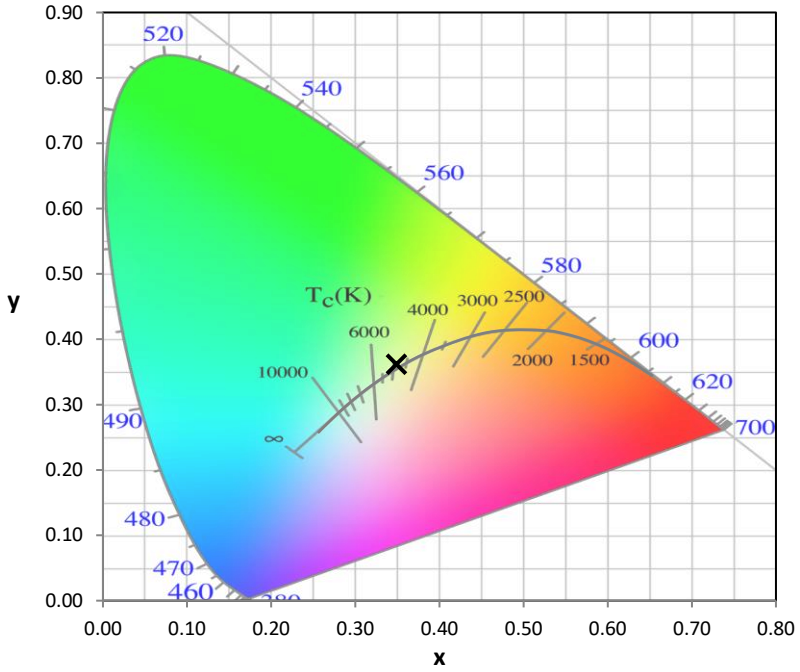

## Test Conditions

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

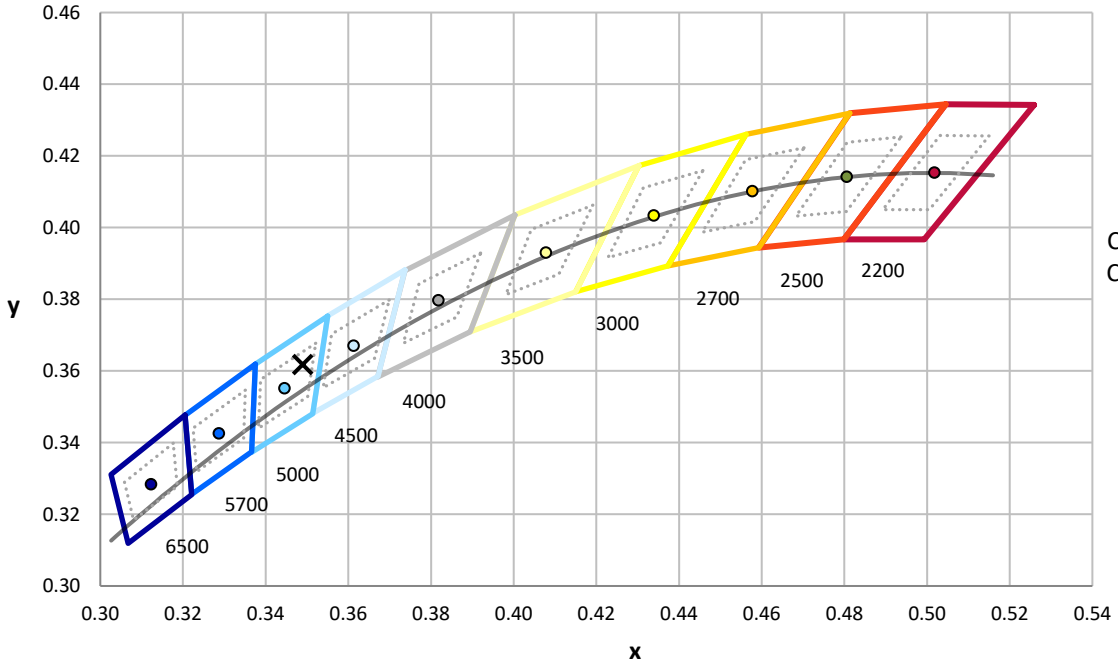
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

## CIE 1931 Chromaticity Diagram




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

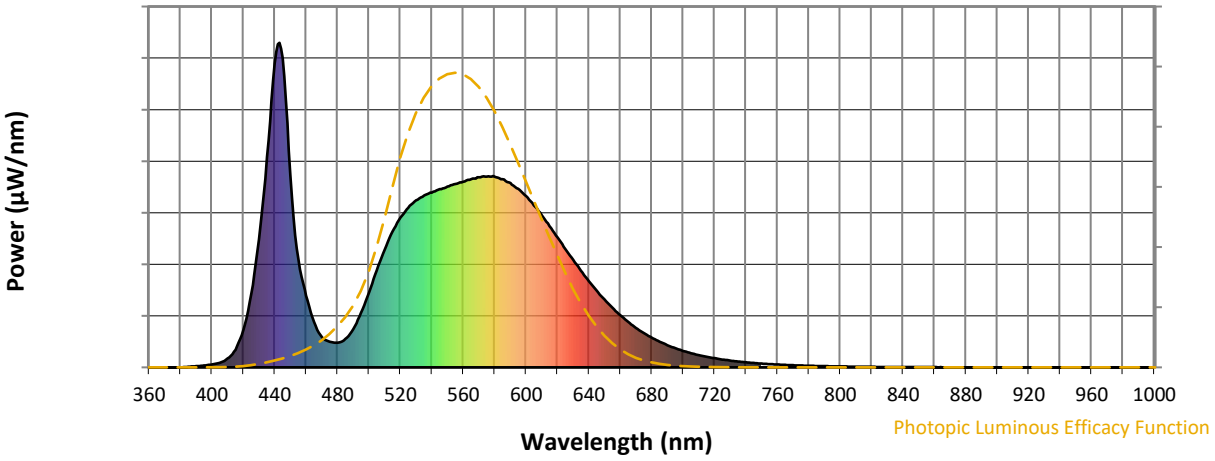



CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

## Photopic Flux vs. Wavelength

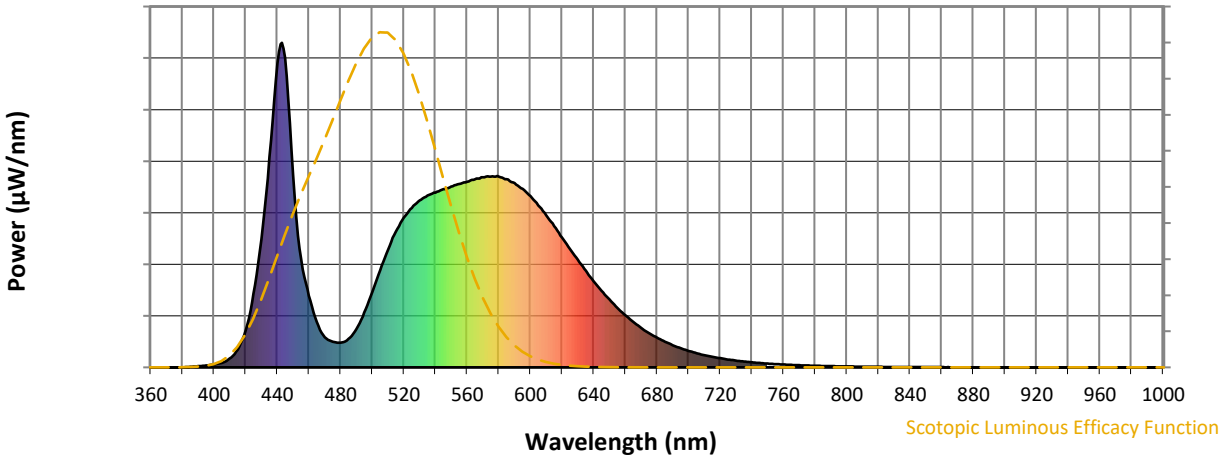



## Photopic Lumens: NR

| 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 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-6

## Scotopic Flux vs. Wavelength

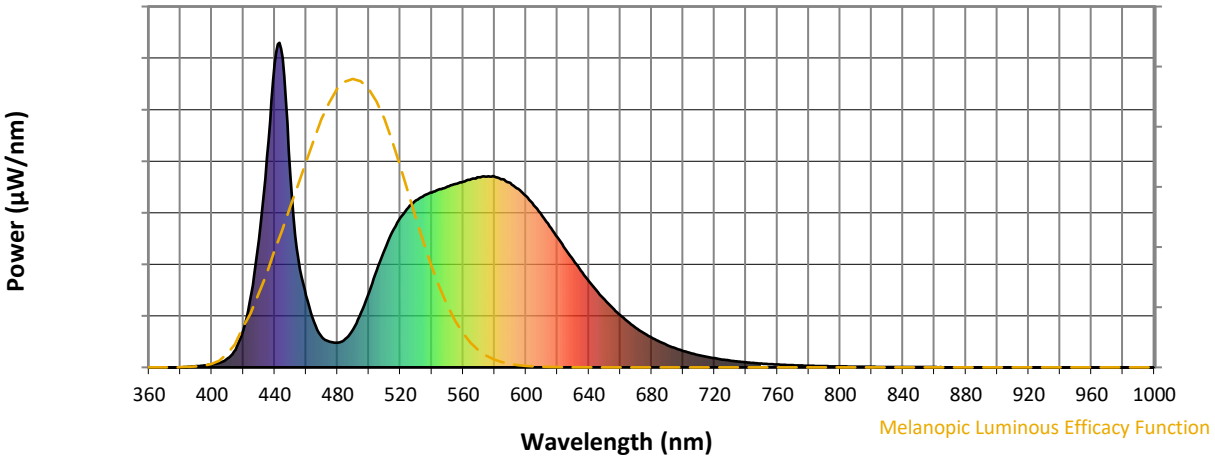



**Scotopic Lumens: NR** **S/P: 1.7**

| 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 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-6

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.37**

| 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 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

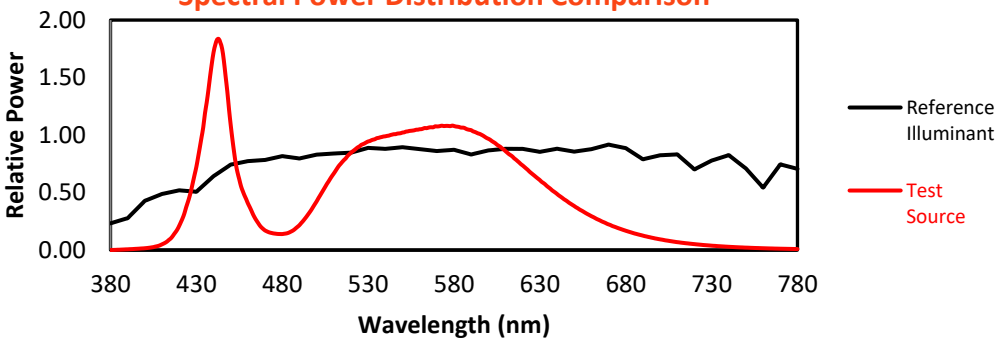
REPORT NUMBER: SP1-2407-184-6

# TM-30-18

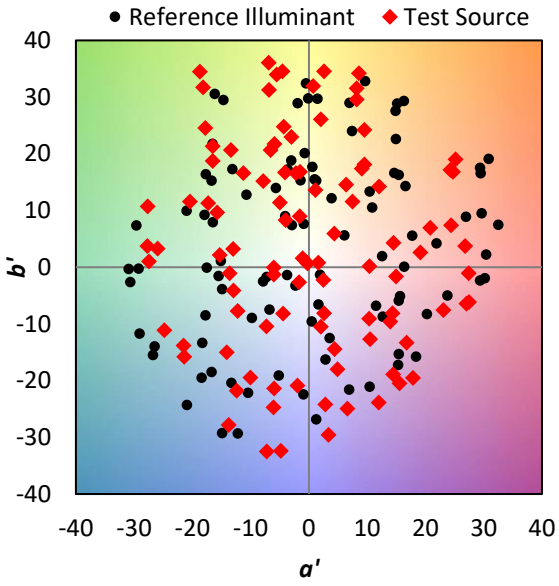
## Summary

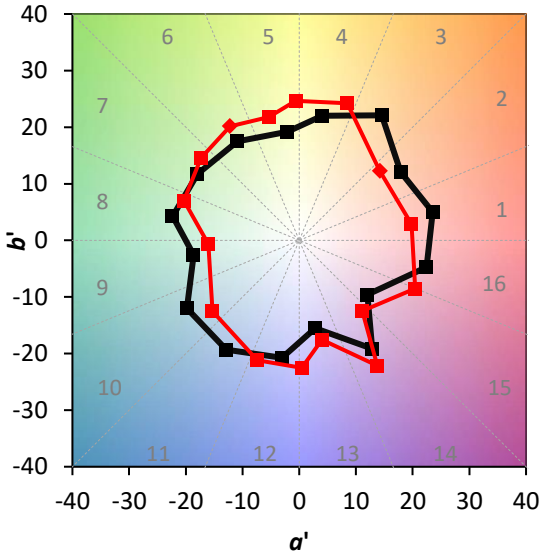
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$R_g$ = 96.8
CIE $R_a$ = 70.2
$R_9$ = -35.1

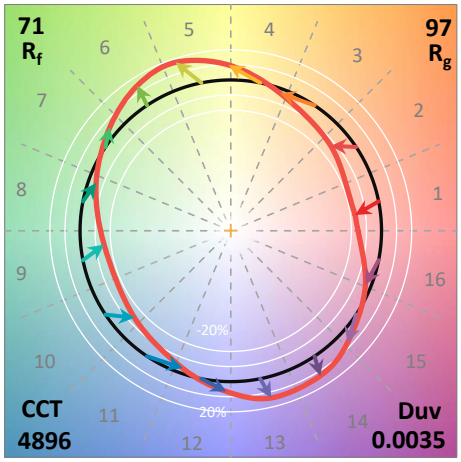
## Spectral Power Distribution Comparison

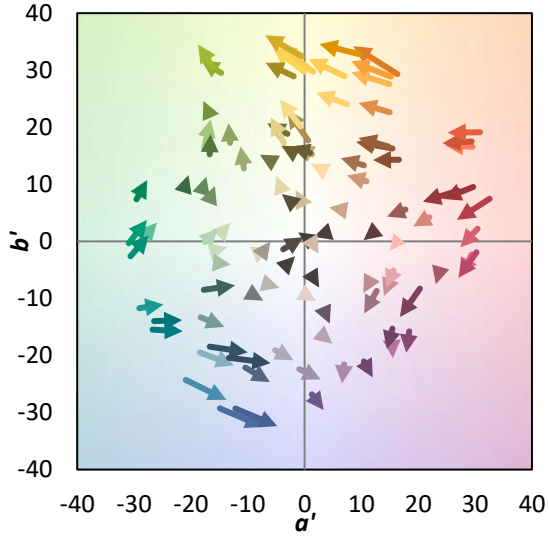



## Color Vector Graphics



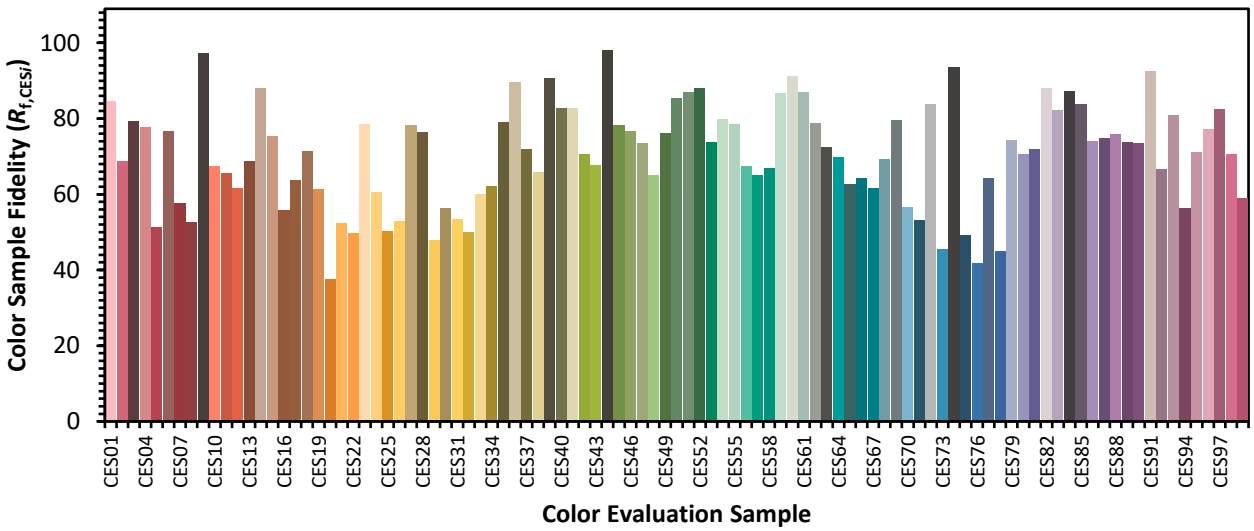



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**Individual Sample Fidelity Index ($R_{f,i}$)**

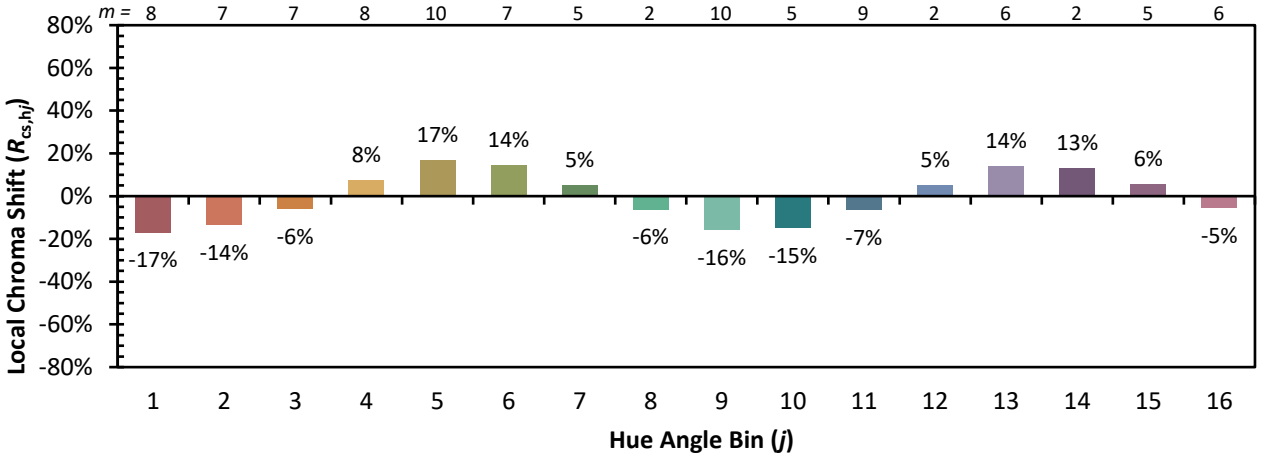
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 53 | CES51 = 87 | CES76 = 42 |
| CES02 = 59 | CES27 = 78 | CES52 = 88 | CES77 = 64 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 45 |
| CES04 = 69 | CES29 = 48 | CES54 = 80 | CES79 = 74 |
| CES05 = 46 | CES30 = 56 | CES55 = 79 | CES80 = 71 |
| CES06 = 50 | CES31 = 54 | CES56 = 68 | CES81 = 72 |
| CES07 = 39 | CES32 = 50 | CES57 = 65 | CES82 = 88 |
| CES08 = 38 | CES33 = 60 | CES58 = 67 | CES83 = 82 |
| CES09 = 29 | CES34 = 62 | CES59 = 87 | CES84 = 87 |
| CES10 = 72 | CES35 = 79 | CES60 = 91 | CES85 = 84 |
| CES11 = 56 | CES36 = 90 | CES61 = 87 | CES86 = 74 |
| CES12 = 61 | CES37 = 72 | CES62 = 79 | CES87 = 75 |
| CES13 = 41 | CES38 = 66 | CES63 = 72 | CES88 = 76 |
| CES14 = 74 | CES39 = 91 | CES64 = 70 | CES89 = 74 |
| CES15 = 70 | CES40 = 83 | CES65 = 63 | CES90 = 73 |
| CES16 = 46 | CES41 = 83 | CES66 = 64 | CES91 = 92 |
| CES17 = 49 | CES42 = 70 | CES67 = 62 | CES92 = 67 |
| CES18 = 55 | CES43 = 68 | CES68 = 69 | CES93 = 81 |
| CES19 = 71 | CES44 = 98 | CES69 = 80 | CES94 = 56 |
| CES20 = 64 | CES45 = 78 | CES70 = 56 | CES95 = 71 |
| CES21 = 85 | CES46 = 77 | CES71 = 53 | CES96 = 77 |
| CES22 = 77 | CES47 = 73 | CES72 = 84 | CES97 = 82 |
| CES23 = 91 | CES48 = 65 | CES73 = 46 | CES98 = 71 |
| CES24 = 90 | CES49 = 76 | CES74 = 94 | CES99 = 59 |
| CES25 = 71 | CES50 = 85 | CES75 = 49 | |

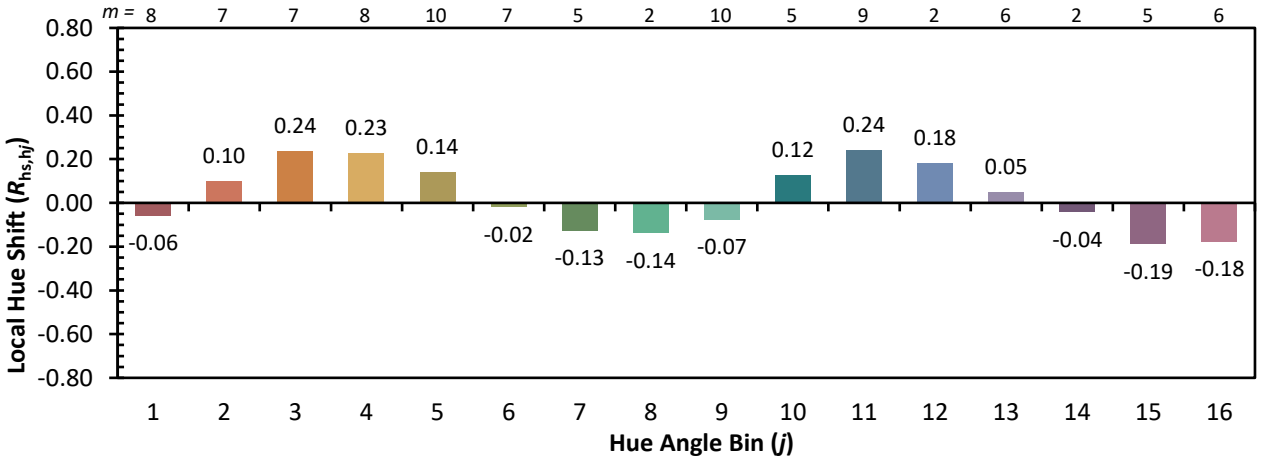


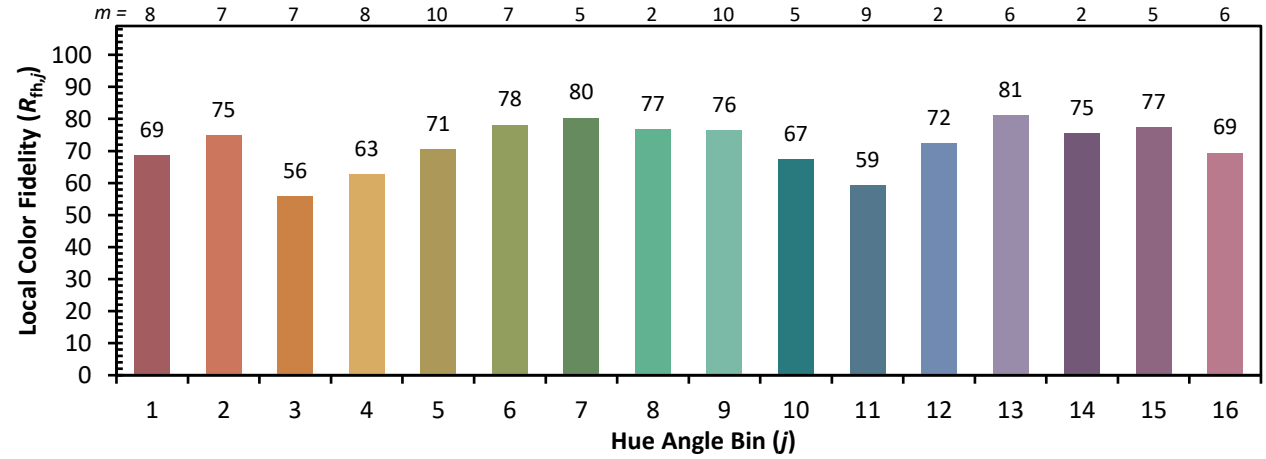
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## Color Rendition by Hue-Angle Bin



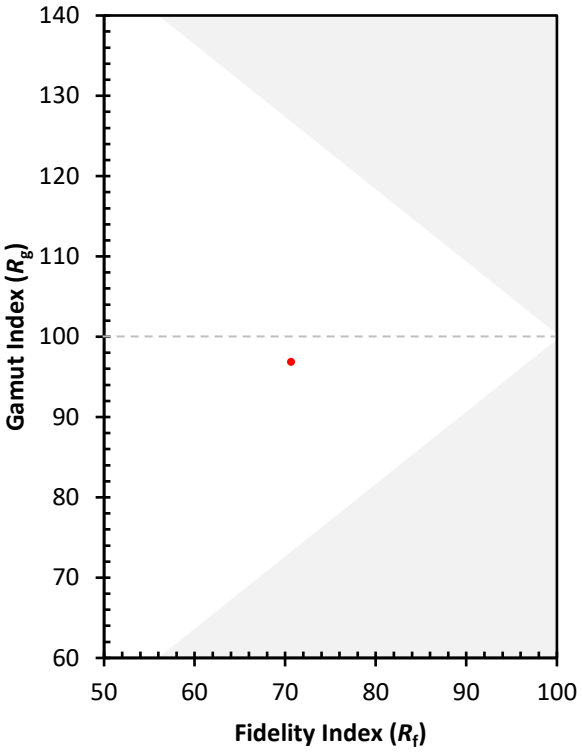



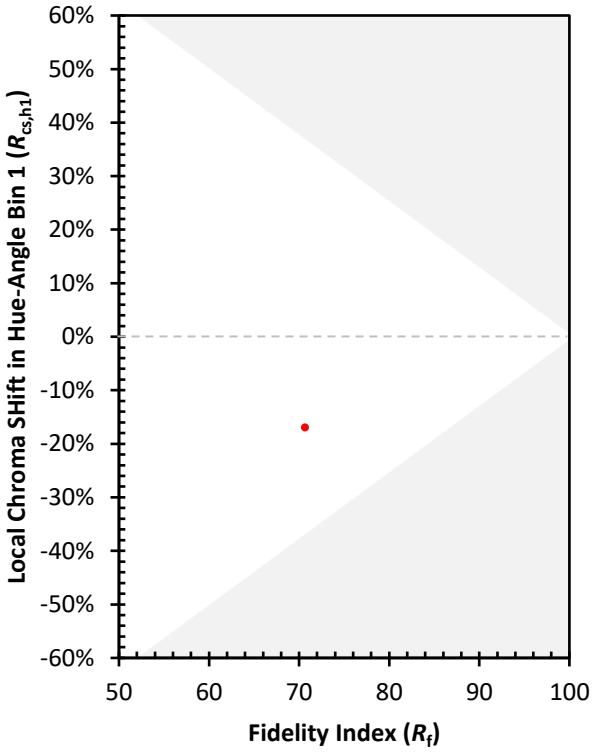



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## Measure Comparisons




(END OF REPORT)