

Signify Classified - Internal  
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: STREETWORKS

Report Number: P1065443

Luminaire Tested: **GLAN-SA6C-835-U-LBC**

Issue Date: 08/07/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1065443  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 08/07/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-835-U-LBC  
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE  
80CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL  
Light Source: (84) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27193.6 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G4

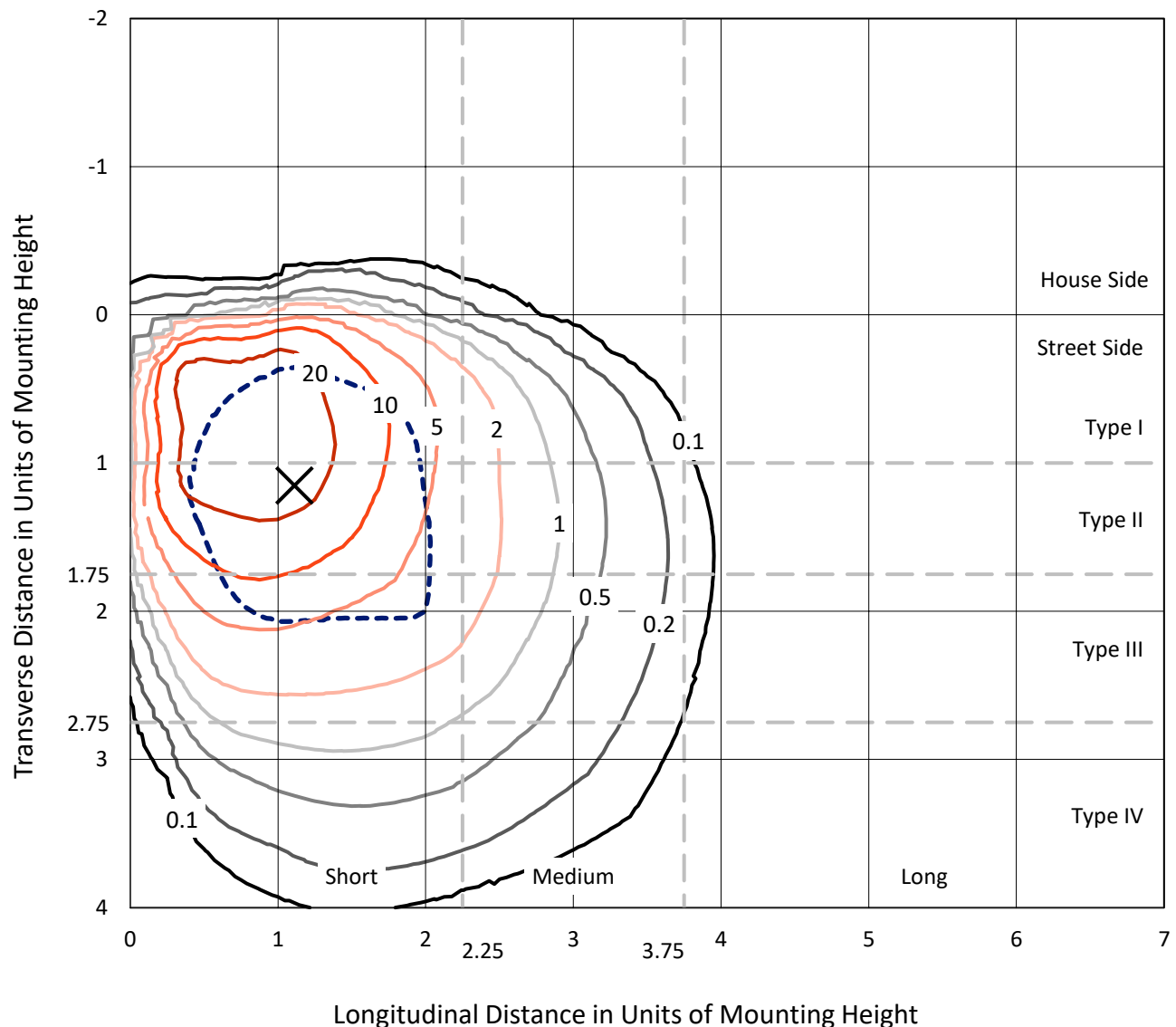
Input Watts (W): 282.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.97  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

REPORT NUMBER: P1065443

CATALOG NUMBER: GLAN-SA6C-835-U-LBC

## Iso-Footcandle Lines of Horizontal Illumination

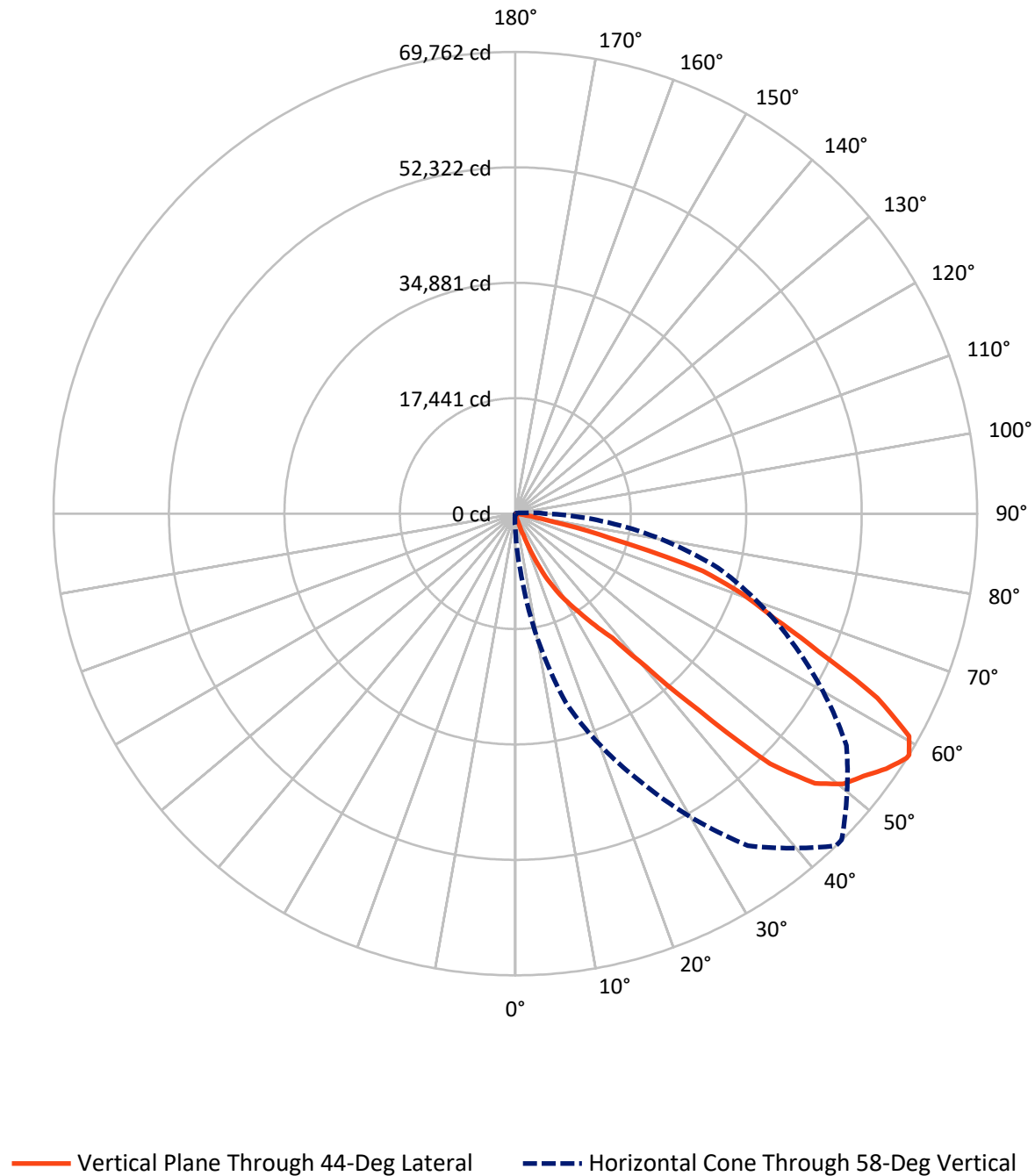
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 47.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P1065443  
CATALOG NUMBER: GLAN-SA6C-835-U-LBC

## Luminous Intensity Polar Plot



REPORT NUMBER: P1065443

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 185.7    | 0.0    | 185.7   |
|                    | % Fixture | 0.7      | 0.0    | 0.7     |
| <b>Street Side</b> | Lumens    | 27007.9  | 0.0    | 27007.9 |
|                    | % Fixture | 99.3     | 0.0    | 99.3    |
| <b>Total</b>       | Lumens    | 27193.6  | 0.0    | 27193.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 10.6    | 0.0       |
| 10°-20°   | 59.6    | 0.2       |
| 20°-30°   | 644.2   | 2.4       |
| 30°-40°   | 1905.2  | 7.0       |
| 40°-50°   | 5678.5  | 20.9      |
| 50°-60°   | 9010.3  | 33.1      |
| 60°-70°   | 7515.7  | 27.6      |
| 70°-80°   | 2318.0  | 8.5       |
| 80°-90°   | 51.5    | 0.2       |
| 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°    | 27193.6 | 100.0     |
| 0°-180°   | 27193.6 | 100.0     |



REPORT NUMBER: P1065443

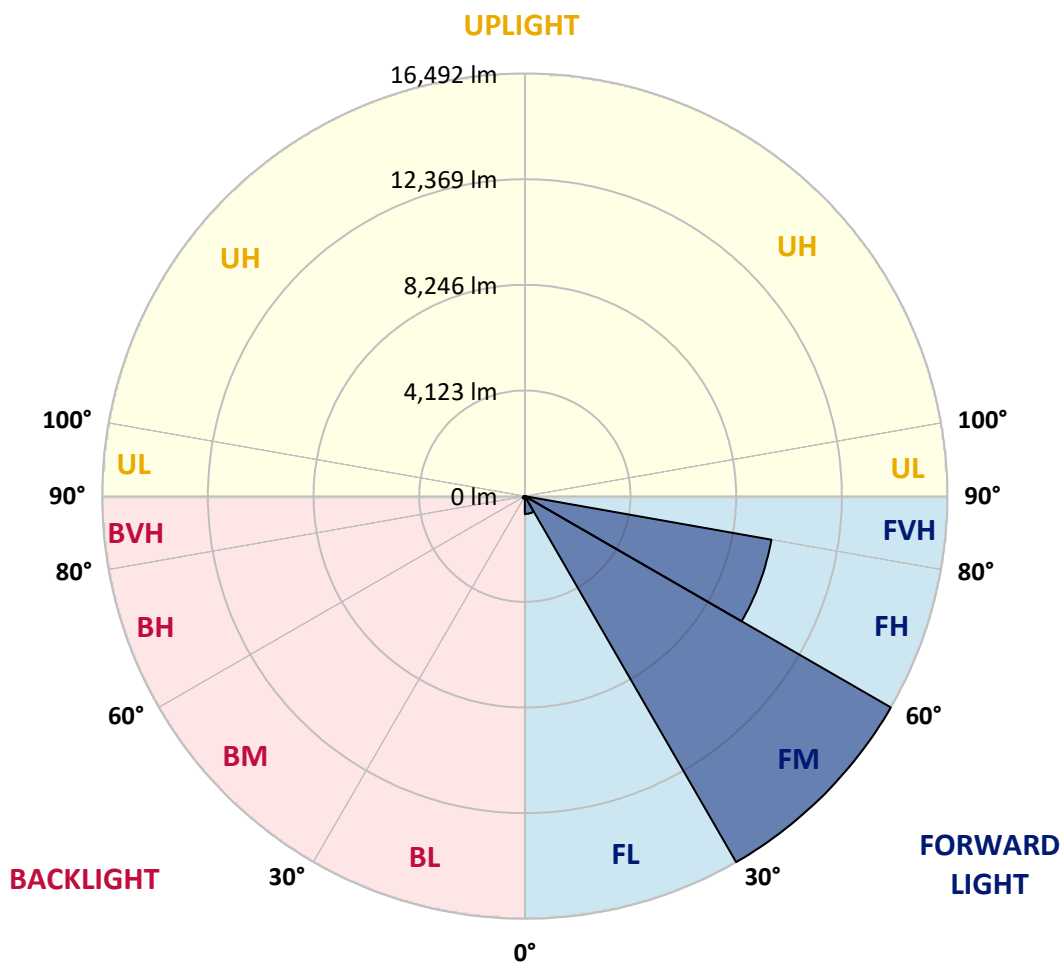
CATALOG NUMBER: GLAN-SA6C-835-U-LBC

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 696.3   | 2.6       |                         |      |          |
| FM   | (30°-60°)   | 16492.3 | 60.6      |                         |      |          |
| FH   | (60°-80°)   | 9770.3  | 35.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 49.0    | 0.2       |                         |      | G1/100   |
| BL   | (0°-30°)    | 18.2    | 0.1       | B0/110                  |      |          |
| BM   | (30°-60°)   | 101.6   | 0.4       | B0/220                  |      |          |
| BH   | (60°-80°)   | 63.4    | 0.2       | B0/110                  |      | G0/110   |
| BVH  | (80°-90°)   | 2.5     | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B0-U0-G4**

Type III Short



REPORT NUMBER: P1065443

CATALOG NUMBER: GLAN-SA6C-835-U-LBC

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°     | 25°     | 35°     | 44°     | 45°     | 55°     | 65°     | 75°     |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 119.1  | 119.1  | 119.1   | 119.1   | 119.1   | 119.1   | 119.1   | 119.1   | 119.1   | 119.1   |
| 2.5°  | 154.1  | 154.1  | 147.9   | 139.7   | 131.5   | 123.3   | 121.2   | 117.1   | 115.0   | 113.0   |
| 5°    | 160.2  | 160.2  | 158.2   | 152.0   | 143.8   | 137.6   | 137.6   | 131.5   | 127.4   | 123.3   |
| 7.5°  | 164.3  | 166.4  | 170.5   | 168.4   | 164.3   | 158.2   | 158.2   | 154.1   | 147.9   | 137.6   |
| 10°   | 170.5  | 176.7  | 184.9   | 189.0   | 191.0   | 191.0   | 189.0   | 186.9   | 176.7   | 162.3   |
| 12.5° | 176.7  | 189.0  | 209.5   | 230.1   | 242.4   | 258.8   | 256.8   | 252.7   | 226.0   | 195.2   |
| 15°   | 189.0  | 207.5  | 250.6   | 310.2   | 402.6   | 460.2   | 482.7   | 462.2   | 373.9   | 262.9   |
| 17.5° | 203.4  | 234.2  | 363.6   | 649.1   | 1064.1  | 1261.3  | 1380.5  | 1283.9  | 850.5   | 499.2   |
| 20°   | 217.7  | 285.5  | 675.8   | 1682.4  | 2760.9  | 3405.9  | 3584.7  | 3305.3  | 2122.0  | 951.1   |
| 22.5° | 242.4  | 400.6  | 1370.2  | 3477.8  | 5949.1  | 6916.6  | 7099.5  | 6205.9  | 4007.8  | 1877.6  |
| 25°   | 293.8  | 581.4  | 2362.4  | 5667.7  | 8878.4  | 10511.6 | 10435.6 | 9264.6  | 6501.7  | 2999.2  |
| 27.5° | 367.7  | 846.3  | 3572.3  | 8052.6  | 11684.5 | 13124.6 | 13297.1 | 11848.9 | 8666.9  | 4410.5  |
| 30°   | 474.5  | 1173.0 | 4870.6  | 9963.1  | 13933.9 | 15491.1 | 15519.8 | 14022.3 | 10604.0 | 5649.2  |
| 32.5° | 577.2  | 1481.1 | 6006.6  | 11809.8 | 16150.5 | 17857.5 | 17984.9 | 16142.3 | 12050.2 | 6939.2  |
| 35°   | 655.3  | 1682.4 | 7157.0  | 13432.7 | 18385.5 | 20737.6 | 20729.4 | 18541.6 | 13763.4 | 8091.7  |
| 37.5° | 661.5  | 1883.7 | 8198.5  | 15092.5 | 21216.2 | 23849.8 | 24110.7 | 21699.0 | 15834.1 | 9517.3  |
| 40°   | 647.1  | 2109.7 | 9517.3  | 17680.9 | 26316.9 | 30357.6 | 30587.7 | 27547.4 | 19987.8 | 11957.8 |
| 42.5° | 663.5  | 2502.1 | 11657.8 | 22461.1 | 34786.6 | 40589.8 | 41033.5 | 37837.1 | 27623.4 | 16937.2 |
| 45°   | 749.8  | 3239.5 | 16142.3 | 30458.3 | 46859.4 | 53934.2 | 53786.3 | 49182.7 | 36508.0 | 24517.4 |
| 47.5° | 1035.3 | 5045.2 | 22789.8 | 38241.8 | 54575.1 | 60875.5 | 61002.8 | 55376.3 | 41692.9 | 30345.3 |
| 50°   | 1592.0 | 7719.8 | 28375.3 | 42356.5 | 57892.7 | 64213.6 | 64094.5 | 57592.8 | 43663.0 | 33215.1 |
| 52.5° | 2070.7 | 9654.9 | 31177.3 | 43800.6 | 58317.9 | 65863.2 | 65855.0 | 58176.2 | 43969.0 | 33461.6 |
| 55°   | 2189.8 | 9800.8 | 31199.9 | 43878.7 | 59271.1 | 68022.2 | 68293.3 | 59612.1 | 44365.5 | 32385.2 |
| 57.5° | 2142.6 | 8677.1 | 29897.5 | 44330.6 | 60967.9 | 69692.3 | 69706.7 | 61002.8 | 45372.1 | 31725.7 |
| 58°   | 2101.5 | 8500.5 | 29634.5 | 44587.4 | 61259.6 | 69762.1 | 69727.2 | 61066.5 | 46191.7 | 31701.1 |
| 60°   | 1871.4 | 7380.9 | 28609.5 | 45242.7 | 60826.2 | 68328.3 | 68001.6 | 59675.8 | 46070.5 | 31448.4 |
| 62.5° | 1470.8 | 5758.0 | 27600.8 | 44484.7 | 56179.5 | 61387.0 | 61522.6 | 52833.1 | 41999.0 | 29975.5 |
| 65°   | 1170.9 | 4291.3 | 25497.3 | 39020.4 | 46261.6 | 50411.2 | 50916.5 | 42962.5 | 35055.7 | 25382.2 |
| 67.5° | 932.6  | 3101.9 | 21388.8 | 31066.3 | 36606.6 | 42073.0 | 42440.7 | 36070.5 | 27159.2 | 19447.5 |
| 70°   | 758.0  | 2097.4 | 14763.9 | 22719.9 | 30193.3 | 36339.6 | 36362.2 | 29965.3 | 20271.3 | 12742.5 |
| 72.5° | 671.7  | 1452.4 | 8570.3  | 16569.5 | 24482.5 | 29611.9 | 29014.1 | 24316.1 | 15579.4 | 7547.3  |
| 75°   | 581.4  | 963.4  | 4203.0  | 10129.5 | 14844.0 | 14944.6 | 15172.6 | 11279.9 | 7787.6  | 3588.8  |
| 77.5° | 478.6  | 684.1  | 1655.7  | 2767.1  | 4451.5  | 5698.5  | 5910.1  | 4478.3  | 2590.4  | 883.3   |
| 80°   | 328.7  | 324.6  | 445.8   | 848.4   | 1273.6  | 1596.1  | 1489.3  | 1152.4  | 677.9   | 339.0   |
| 82.5° | 141.7  | 154.1  | 201.3   | 242.4   | 197.2   | 191.0   | 182.8   | 117.1   | 90.4    | 69.8    |
| 85°   | 45.2   | 41.1   | 43.1    | 43.1    | 34.9    | 26.7    | 26.7    | 12.3    | 0.0     | 0.0     |
| 87.5° | 22.6   | 18.5   | 18.5    | 16.4    | 10.3    | 4.1     | 2.1     | 0.0     | 0.0     | 0.0     |
| 90°   | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P1065443

CATALOG NUMBER: GLAN-SA6C-835-U-LBC

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|---------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 119.1   | 0°    | 119.1  | 119.1  | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 |
| 110.9   | 2.5°  | 108.9  | 108.9  | 104.8 | 100.7 | 98.6  | 94.5  | 92.4  | 90.4  | 88.3  | 86.3  |
| 119.1   | 5°    | 115.0  | 113.0  | 106.8 | 100.7 | 94.5  | 88.3  | 84.2  | 80.1  | 76.0  | 74.0  |
| 131.5   | 7.5°  | 125.3  | 121.2  | 108.9 | 98.6  | 90.4  | 82.2  | 78.1  | 71.9  | 67.8  | 61.6  |
| 145.9   | 10°   | 137.6  | 129.4  | 113.0 | 100.7 | 88.3  | 78.1  | 71.9  | 65.7  | 59.6  | 51.4  |
| 166.4   | 12.5° | 154.1  | 139.7  | 119.1 | 98.6  | 84.2  | 71.9  | 65.7  | 57.5  | 51.4  | 45.2  |
| 193.1   | 15°   | 168.4  | 150.0  | 121.2 | 98.6  | 80.1  | 65.7  | 57.5  | 49.3  | 43.1  | 34.9  |
| 242.4   | 17.5° | 189.0  | 158.2  | 119.1 | 92.4  | 74.0  | 57.5  | 49.3  | 43.1  | 32.9  | 20.5  |
| 359.5   | 20°   | 223.9  | 164.3  | 115.0 | 86.3  | 63.7  | 47.2  | 37.0  | 28.8  | 14.4  | 4.1   |
| 540.3   | 22.5° | 279.4  | 180.8  | 110.9 | 78.1  | 55.5  | 37.0  | 24.7  | 10.3  | 0.0   | 0.0   |
| 821.7   | 25°   | 386.2  | 209.5  | 110.9 | 74.0  | 49.3  | 26.7  | 8.2   | 0.0   | 0.0   | 0.0   |
| 1166.8  | 27.5° | 513.6  | 248.6  | 110.9 | 63.7  | 39.0  | 14.4  | 0.0   | 0.0   | 0.0   | 0.0   |
| 1590.0  | 30°   | 643.0  | 291.7  | 110.9 | 55.5  | 30.8  | 2.1   | 0.0   | 0.0   | 0.0   | 0.0   |
| 1957.7  | 32.5° | 766.2  | 328.7  | 113.0 | 47.2  | 20.5  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2467.1  | 35°   | 891.5  | 334.8  | 110.9 | 41.1  | 12.3  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 3091.6  | 37.5° | 1051.8 | 322.5  | 104.8 | 37.0  | 6.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 4067.4  | 40°   | 1294.2 | 328.7  | 98.6  | 34.9  | 2.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5807.3  | 42.5° | 1742.0 | 355.4  | 90.4  | 34.9  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 9250.3  | 45°   | 3011.5 | 476.6  | 82.2  | 37.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 13886.7 | 47.5° | 4981.5 | 856.6  | 80.1  | 37.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 16727.7 | 50°   | 6357.9 | 1078.5 | 84.2  | 39.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 17083.1 | 52.5° | 6347.6 | 1201.7 | 88.3  | 41.1  | 8.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 15745.8 | 55°   | 5643.0 | 1224.3 | 94.5  | 45.2  | 26.7  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 13531.3 | 57.5° | 4716.5 | 1117.5 | 108.9 | 55.5  | 49.3  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 13184.1 | 58°   | 4552.2 | 1068.2 | 113.0 | 57.5  | 53.4  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 11436.0 | 60°   | 3730.5 | 871.0  | 143.8 | 71.9  | 71.9  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 9375.6  | 62.5° | 2576.0 | 760.1  | 164.3 | 92.4  | 74.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 6912.5  | 65°   | 1822.1 | 686.1  | 178.7 | 98.6  | 59.6  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 4911.7  | 67.5° | 1362.0 | 632.7  | 197.2 | 100.7 | 30.8  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 3081.4  | 70°   | 1043.6 | 593.7  | 242.4 | 106.8 | 8.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 1836.5  | 72.5° | 850.5  | 548.5  | 293.8 | 110.9 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 1101.1  | 75°   | 704.6  | 495.1  | 283.5 | 121.2 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 587.5   | 77.5° | 468.4  | 384.1  | 258.8 | 121.2 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 209.5   | 80°   | 164.3  | 152.0  | 201.3 | 106.8 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 43.1    | 82.5° | 24.7   | 20.5   | 28.8  | 37.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0     | 85°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0     | 87.5° | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0     | 90°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

REPORT NUMBER: P1065443

CATALOG NUMBER: GLAN-SA6C-835-U-LBC

**CANDELA DISTRIBUTION (continued):**

| 180°  |       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 119.1 | 0°    | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 |
| 84.2  | 2.5°  | 84.2  | 84.2  | 82.2  | 84.2  | 84.2  | 88.3  | 98.6  | 113.0 | 129.4 | 135.6 |
| 71.9  | 5°    | 69.8  | 67.8  | 65.7  | 65.7  | 65.7  | 71.9  | 80.1  | 96.5  | 115.0 | 123.3 |
| 59.6  | 7.5°  | 57.5  | 55.5  | 53.4  | 51.4  | 51.4  | 55.5  | 65.7  | 84.2  | 102.7 | 110.9 |
| 49.3  | 10°   | 47.2  | 43.1  | 41.1  | 39.0  | 39.0  | 43.1  | 53.4  | 71.9  | 92.4  | 100.7 |
| 41.1  | 12.5° | 39.0  | 32.9  | 28.8  | 26.7  | 24.7  | 30.8  | 41.1  | 57.5  | 80.1  | 90.4  |
| 30.8  | 15°   | 26.7  | 20.5  | 14.4  | 12.3  | 10.3  | 16.4  | 26.7  | 45.2  | 67.8  | 80.1  |
| 16.4  | 17.5° | 14.4  | 6.2   | 2.1   | 0.0   | 0.0   | 4.1   | 12.3  | 32.9  | 55.5  | 65.7  |
| 0.0   | 20°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 16.4  | 41.1  | 51.4  |
| 0.0   | 22.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.1   | 24.7  | 34.9  |
| 0.0   | 25°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 10.3  | 18.5  |
| 0.0   | 27.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 4.1   |
| 0.0   | 30°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 32.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 35°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 37.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 40°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 42.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 45°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 47.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 50°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 52.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 55°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 57.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 58°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0   | 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 6.2   |
| 0.0   | 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 8.2   | 16.4  |
| 0.0   | 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

REPORT NUMBER: P1065443

CATALOG NUMBER: GLAN-SA6C-835-U-LBC

**CANDELA DISTRIBUTION (continued):**

| 275°  |       | 285°  | 295°  | 305°  | 315°  | 316°  | 325°  | 335°  | 345°  | 355°  | 360°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 119.1 | 0°    | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1  |
| 141.7 | 2.5°  | 145.9 | 143.8 | 139.7 | 135.6 | 135.6 | 135.6 | 141.7 | 147.9 | 154.1 | 154.1  |
| 127.4 | 5°    | 135.6 | 135.6 | 133.5 | 129.4 | 129.4 | 131.5 | 139.7 | 150.0 | 158.2 | 160.2  |
| 117.1 | 7.5°  | 125.3 | 129.4 | 125.3 | 123.3 | 125.3 | 127.4 | 135.6 | 147.9 | 160.2 | 164.3  |
| 108.9 | 10°   | 119.1 | 121.2 | 121.2 | 119.1 | 119.1 | 123.3 | 131.5 | 147.9 | 164.3 | 170.5  |
| 98.6  | 12.5° | 110.9 | 115.0 | 113.0 | 113.0 | 113.0 | 117.1 | 127.4 | 145.9 | 168.4 | 176.7  |
| 88.3  | 15°   | 102.7 | 108.9 | 108.9 | 106.8 | 106.8 | 108.9 | 123.3 | 143.8 | 174.6 | 189.0  |
| 76.0  | 17.5° | 94.5  | 100.7 | 102.7 | 98.6  | 98.6  | 102.7 | 117.1 | 143.8 | 178.7 | 203.4  |
| 61.6  | 20°   | 78.1  | 88.3  | 94.5  | 88.3  | 88.3  | 92.4  | 106.8 | 135.6 | 180.8 | 217.7  |
| 45.2  | 22.5° | 61.6  | 71.9  | 80.1  | 78.1  | 78.1  | 80.1  | 98.6  | 129.4 | 182.8 | 242.4  |
| 26.7  | 25°   | 45.2  | 55.5  | 61.6  | 65.7  | 65.7  | 71.9  | 90.4  | 125.3 | 191.0 | 293.8  |
| 12.3  | 27.5° | 26.7  | 39.0  | 47.2  | 51.4  | 53.4  | 61.6  | 84.2  | 121.2 | 205.4 | 367.7  |
| 0.0   | 30°   | 12.3  | 22.6  | 32.9  | 41.1  | 41.1  | 55.5  | 78.1  | 117.1 | 223.9 | 474.5  |
| 0.0   | 32.5° | 0.0   | 10.3  | 16.4  | 28.8  | 30.8  | 45.2  | 71.9  | 113.0 | 250.6 | 577.2  |
| 0.0   | 35°   | 0.0   | 0.0   | 8.2   | 22.6  | 22.6  | 37.0  | 65.7  | 108.9 | 291.7 | 655.3  |
| 0.0   | 37.5° | 0.0   | 0.0   | 0.0   | 16.4  | 18.5  | 32.9  | 63.7  | 106.8 | 299.9 | 661.5  |
| 0.0   | 40°   | 0.0   | 0.0   | 0.0   | 12.3  | 14.4  | 30.8  | 63.7  | 108.9 | 271.2 | 647.1  |
| 0.0   | 42.5° | 0.0   | 0.0   | 0.0   | 8.2   | 10.3  | 30.8  | 63.7  | 113.0 | 244.5 | 663.5  |
| 0.0   | 45°   | 0.0   | 0.0   | 0.0   | 6.2   | 8.2   | 32.9  | 61.6  | 110.9 | 230.1 | 749.8  |
| 0.0   | 47.5° | 0.0   | 0.0   | 0.0   | 8.2   | 12.3  | 32.9  | 59.6  | 108.9 | 232.1 | 1035.3 |
| 0.0   | 50°   | 0.0   | 0.0   | 0.0   | 10.3  | 14.4  | 32.9  | 61.6  | 104.8 | 254.7 | 1592.0 |
| 0.0   | 52.5° | 0.0   | 0.0   | 0.0   | 8.2   | 12.3  | 37.0  | 67.8  | 102.7 | 277.3 | 2070.7 |
| 0.0   | 55°   | 0.0   | 0.0   | 0.0   | 2.1   | 6.2   | 47.2  | 74.0  | 102.7 | 312.2 | 2189.8 |
| 0.0   | 57.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 53.4  | 84.2  | 108.9 | 369.8 | 2142.6 |
| 0.0   | 58°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 53.4  | 86.3  | 108.9 | 373.9 | 2101.5 |
| 0.0   | 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 53.4  | 94.5  | 121.2 | 402.6 | 1871.4 |
| 0.0   | 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 45.2  | 113.0 | 152.0 | 419.1 | 1470.8 |
| 0.0   | 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 37.0  | 133.5 | 166.4 | 431.4 | 1170.9 |
| 0.0   | 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 34.9  | 137.6 | 168.4 | 437.6 | 932.6  |
| 0.0   | 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 37.0  | 135.6 | 180.8 | 458.1 | 758.0  |
| 0.0   | 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 41.1  | 123.3 | 199.3 | 458.1 | 671.7  |
| 0.0   | 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 43.1  | 115.0 | 223.9 | 417.0 | 581.4  |
| 0.0   | 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 41.1  | 113.0 | 260.9 | 371.8 | 478.6  |
| 0.0   | 80°   | 4.1   | 6.2   | 6.2   | 4.1   | 4.1   | 34.9  | 110.9 | 265.0 | 316.4 | 328.7  |
| 2.1   | 82.5° | 12.3  | 16.4  | 14.4  | 10.3  | 10.3  | 30.8  | 98.6  | 221.9 | 164.3 | 141.7  |
| 12.3  | 85°   | 22.6  | 26.7  | 26.7  | 22.6  | 22.6  | 28.8  | 61.6  | 80.1  | 55.5  | 45.2   |
| 22.6  | 87.5° | 30.8  | 34.9  | 34.9  | 30.8  | 30.8  | 28.8  | 26.7  | 24.7  | 22.6  | 22.6   |
| 0.0   | 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    |

(END OF RI



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

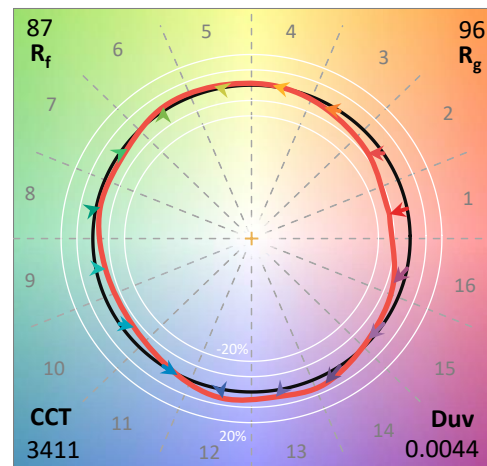
### Test Information

Test Method: LM-79-2019  
 Report Number: SP1-2407-184-10  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 10/15/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: McGraw-Edison  
 Catalog Number: **GSS-SB1A-835-U-5WQ**  
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

### Spectral Parameters

CCT (K): 3411  
 CIE  $u'$ : 0.2360  
 CIE  $v'$ : 0.5189  
 Duv: 0.0044  
 CIE x: 0.4154  
 CIE y: 0.4059  
 CIE z: 0.1787  
 Peak Wavelength (nm): 601  
 Dominant Wavelength (nm): 579  
 Purity: 46.51914  
 R<sub>f</sub>: 86.6  
 R<sub>g</sub>: 95.9

CRI (Ra): 83.5  
 R1: 81.1  
 R2: 88.9  
 R3: 97.2  
 R4: 83.8  
 R5: 81.7  
 R6: 86.9  
 R7: 86.1  
 R8: 62.2  
 R9: 6.3  
 R10: 75.4  
 R11: 84.1  
 R12: 69.7  
 R13: 82.8  
 R14: 98.5  
 R15: 72.6



### Test Conditions

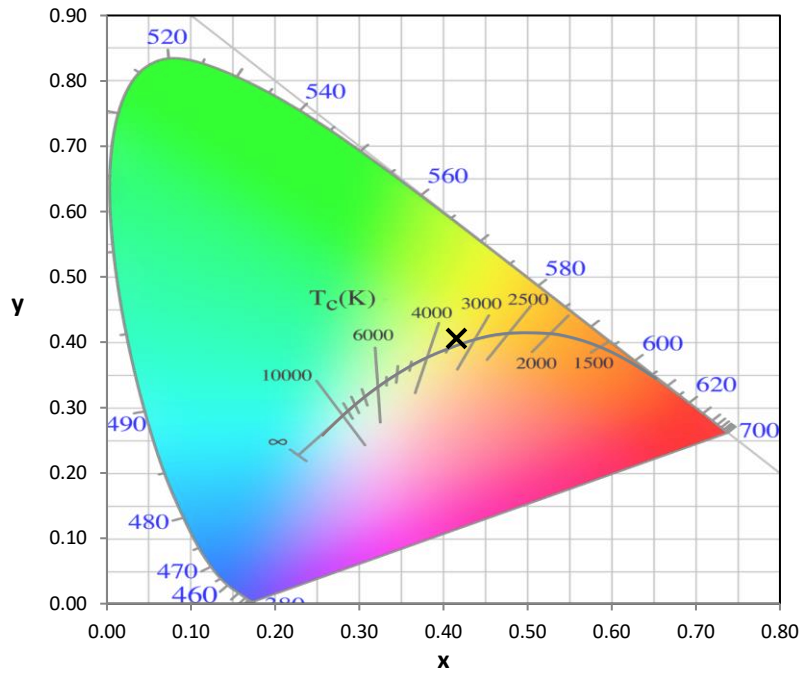
Stabilization Time: 35M  
 Operation Time: 1H 35M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

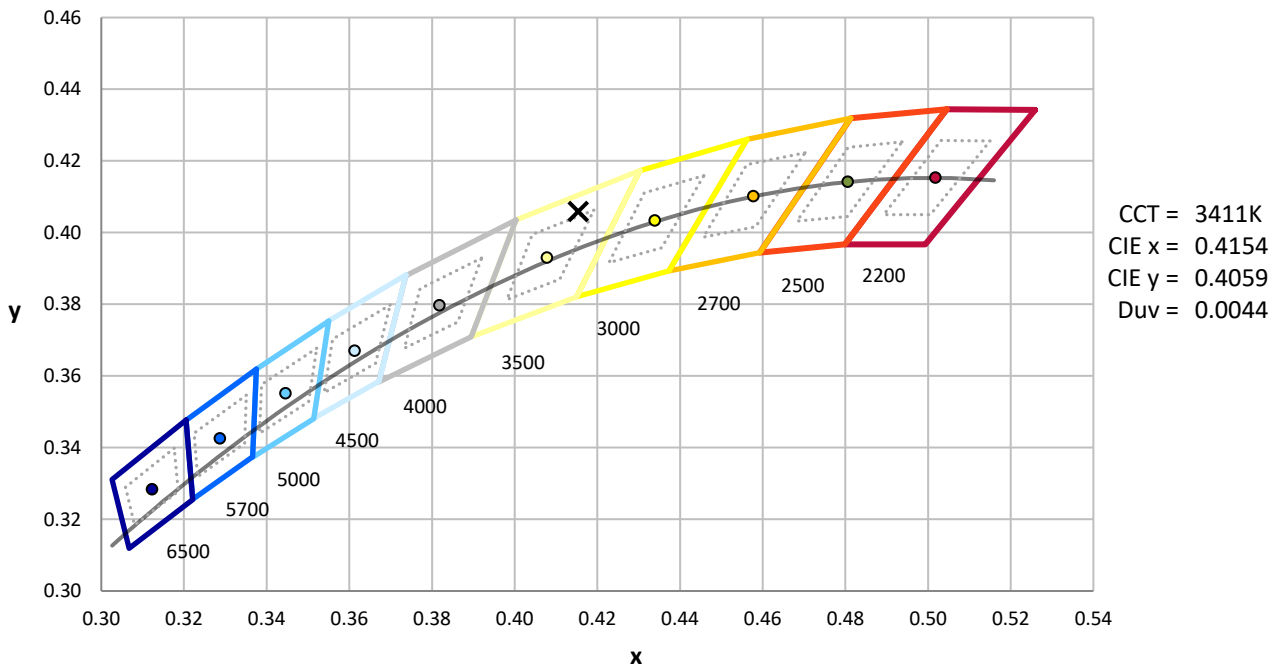
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date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

REPORT NUMBER: SP1-2407-184-10

**CIE 1931 Chromaticity Diagram**



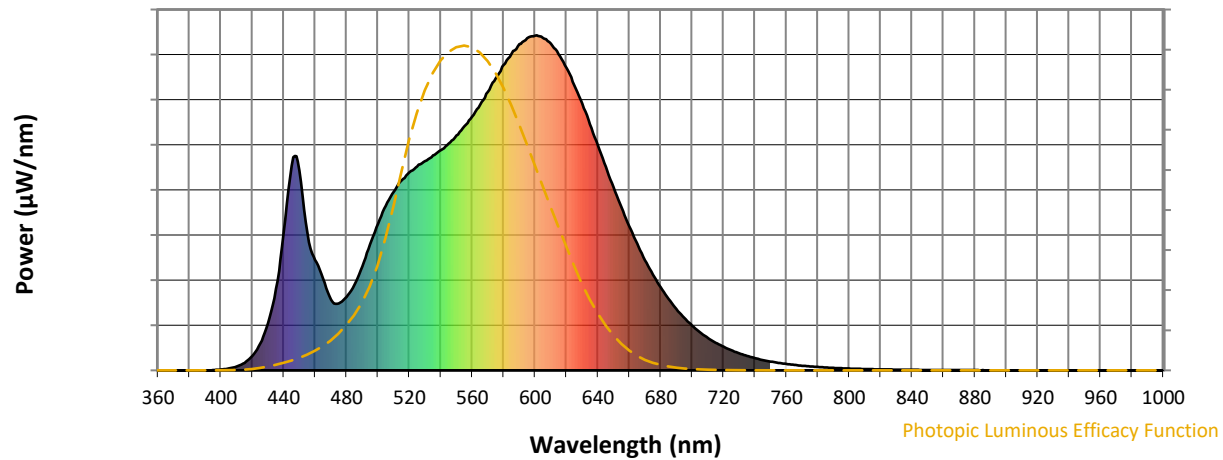
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

### Photopic Flux vs. Wavelength

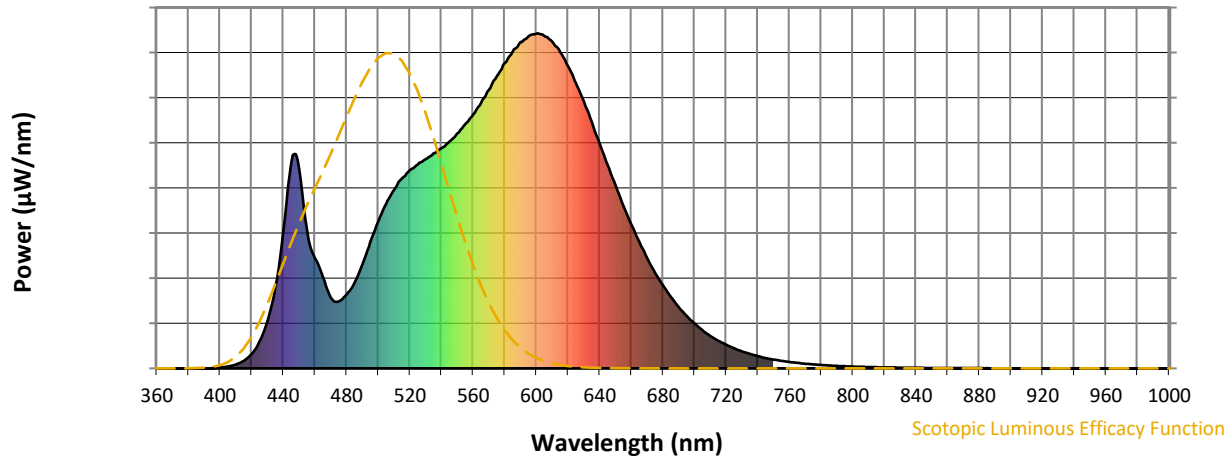


### Photopic Lumens: NR

| $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360               | 0                                    | NR                             | 490               | 311                                  | NR                             | 620               | 903                                  | NR                             | 750               | 26                                   | NR                             | 880               | 1                                    | NR                             |
| 365               | 0                                    | NR                             | 495               | 376                                  | NR                             | 625               | 851                                  | NR                             | 755               | 22                                   | NR                             | 885               | 1                                    | NR                             |
| 370               | 0                                    | NR                             | 500               | 438                                  | NR                             | 630               | 797                                  | NR                             | 760               | 19                                   | NR                             | 890               | 0                                    | NR                             |
| 375               | 0                                    | NR                             | 505               | 491                                  | NR                             | 635               | 735                                  | NR                             | 765               | 16                                   | NR                             | 895               | 0                                    | NR                             |
| 380               | 0                                    | NR                             | 510               | 533                                  | NR                             | 640               | 672                                  | NR                             | 770               | 14                                   | NR                             | 900               | 0                                    | NR                             |
| 385               | 0                                    | NR                             | 515               | 566                                  | NR                             | 645               | 607                                  | NR                             | 775               | 12                                   | NR                             | 905               | 0                                    | NR                             |
| 390               | 0                                    | NR                             | 520               | 592                                  | NR                             | 650               | 546                                  | NR                             | 780               | 10                                   | NR                             | 910               | 0                                    | NR                             |
| 395               | 1                                    | NR                             | 525               | 608                                  | NR                             | 655               | 487                                  | NR                             | 785               | 9                                    | NR                             | 915               | 0                                    | NR                             |
| 400               | 3                                    | NR                             | 530               | 625                                  | NR                             | 660               | 429                                  | NR                             | 790               | 7                                    | NR                             | 920               | 0                                    | NR                             |
| 405               | 6                                    | NR                             | 535               | 642                                  | NR                             | 665               | 378                                  | NR                             | 795               | 6                                    | NR                             | 925               | 0                                    | NR                             |
| 410               | 12                                   | NR                             | 540               | 657                                  | NR                             | 670               | 329                                  | NR                             | 800               | 5                                    | NR                             | 930               | 0                                    | NR                             |
| 415               | 22                                   | NR                             | 545               | 677                                  | NR                             | 675               | 286                                  | NR                             | 805               | 5                                    | NR                             | 935               | 0                                    | NR                             |
| 420               | 43                                   | NR                             | 550               | 701                                  | NR                             | 680               | 248                                  | NR                             | 810               | 4                                    | NR                             | 940               | 0                                    | NR                             |
| 425               | 80                                   | NR                             | 555               | 728                                  | NR                             | 685               | 213                                  | NR                             | 815               | 3                                    | NR                             | 945               | 0                                    | NR                             |
| 430               | 140                                  | NR                             | 560               | 757                                  | NR                             | 690               | 184                                  | NR                             | 820               | 3                                    | NR                             | 950               | 0                                    | NR                             |
| 435               | 243                                  | NR                             | 565               | 793                                  | NR                             | 695               | 156                                  | NR                             | 825               | 3                                    | NR                             | 955               | 0                                    | NR                             |
| 440               | 412                                  | NR                             | 570               | 831                                  | NR                             | 700               | 134                                  | NR                             | 830               | 2                                    | NR                             | 960               | 0                                    | NR                             |
| 445               | 610                                  | NR                             | 575               | 872                                  | NR                             | 705               | 114                                  | NR                             | 835               | 2                                    | NR                             | 965               | 0                                    | NR                             |
| 450               | 597                                  | NR                             | 580               | 911                                  | NR                             | 710               | 97                                   | NR                             | 840               | 2                                    | NR                             | 970               | 0                                    | NR                             |
| 455               | 412                                  | NR                             | 585               | 944                                  | NR                             | 715               | 83                                   | NR                             | 845               | 1                                    | NR                             | 975               | 0                                    | NR                             |
| 460               | 330                                  | NR                             | 590               | 974                                  | NR                             | 720               | 70                                   | NR                             | 850               | 1                                    | NR                             | 980               | 0                                    | NR                             |
| 465               | 274                                  | NR                             | 595               | 992                                  | NR                             | 725               | 60                                   | NR                             | 855               | 1                                    | NR                             | 985               | 0                                    | NR                             |
| 470               | 211                                  | NR                             | 600               | 999                                  | NR                             | 730               | 51                                   | NR                             | 860               | 1                                    | NR                             | 990               | 0                                    | NR                             |
| 475               | 200                                  | NR                             | 605               | 992                                  | NR                             | 735               | 43                                   | NR                             | 865               | 1                                    | NR                             | 995               | 0                                    | NR                             |
| 480               | 220                                  | NR                             | 610               | 975                                  | NR                             | 740               | 36                                   | NR                             | 870               | 1                                    | NR                             | 1000              | 0                                    | NR                             |
| 485               | 255                                  | NR                             | 615               | 944                                  | NR                             | 745               | 31                                   | NR                             | 875               | 1                                    | NR                             |                   |                                      |                                |

REPORT NUMBER: SP1-2407-184-10

### Scotopic Flux vs. Wavelength



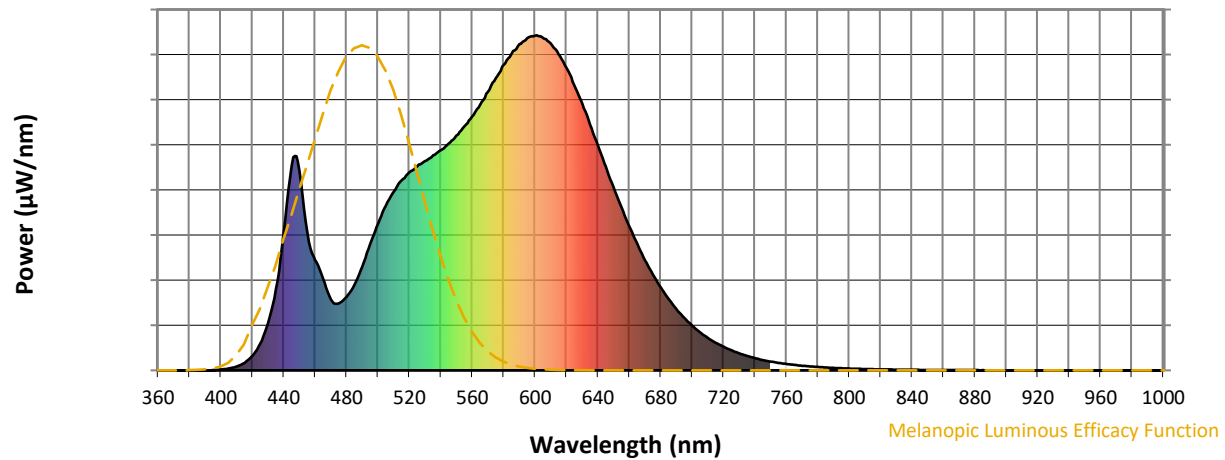
Scotopic Lumens: NR

S/P: 1.48

| $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360               | 0                                    | NR                             | 490               | 311                                  | NR                             | 620               | 903                                  | NR                             | 750               | 26                                   | NR                             | 880               | 1                                    | NR                             |
| 365               | 0                                    | NR                             | 495               | 376                                  | NR                             | 625               | 851                                  | NR                             | 755               | 22                                   | NR                             | 885               | 1                                    | NR                             |
| 370               | 0                                    | NR                             | 500               | 438                                  | NR                             | 630               | 797                                  | NR                             | 760               | 19                                   | NR                             | 890               | 0                                    | NR                             |
| 375               | 0                                    | NR                             | 505               | 491                                  | NR                             | 635               | 735                                  | NR                             | 765               | 16                                   | NR                             | 895               | 0                                    | NR                             |
| 380               | 0                                    | NR                             | 510               | 533                                  | NR                             | 640               | 672                                  | NR                             | 770               | 14                                   | NR                             | 900               | 0                                    | NR                             |
| 385               | 0                                    | NR                             | 515               | 566                                  | NR                             | 645               | 607                                  | NR                             | 775               | 12                                   | NR                             | 905               | 0                                    | NR                             |
| 390               | 0                                    | NR                             | 520               | 592                                  | NR                             | 650               | 546                                  | NR                             | 780               | 10                                   | NR                             | 910               | 0                                    | NR                             |
| 395               | 1                                    | NR                             | 525               | 608                                  | NR                             | 655               | 487                                  | NR                             | 785               | 9                                    | NR                             | 915               | 0                                    | NR                             |
| 400               | 3                                    | NR                             | 530               | 625                                  | NR                             | 660               | 429                                  | NR                             | 790               | 7                                    | NR                             | 920               | 0                                    | NR                             |
| 405               | 6                                    | NR                             | 535               | 642                                  | NR                             | 665               | 378                                  | NR                             | 795               | 6                                    | NR                             | 925               | 0                                    | NR                             |
| 410               | 12                                   | NR                             | 540               | 657                                  | NR                             | 670               | 329                                  | NR                             | 800               | 5                                    | NR                             | 930               | 0                                    | NR                             |
| 415               | 22                                   | NR                             | 545               | 677                                  | NR                             | 675               | 286                                  | NR                             | 805               | 5                                    | NR                             | 935               | 0                                    | NR                             |
| 420               | 43                                   | NR                             | 550               | 701                                  | NR                             | 680               | 248                                  | NR                             | 810               | 4                                    | NR                             | 940               | 0                                    | NR                             |
| 425               | 80                                   | NR                             | 555               | 728                                  | NR                             | 685               | 213                                  | NR                             | 815               | 3                                    | NR                             | 945               | 0                                    | NR                             |
| 430               | 140                                  | NR                             | 560               | 757                                  | NR                             | 690               | 184                                  | NR                             | 820               | 3                                    | NR                             | 950               | 0                                    | NR                             |
| 435               | 243                                  | NR                             | 565               | 793                                  | NR                             | 695               | 156                                  | NR                             | 825               | 3                                    | NR                             | 955               | 0                                    | NR                             |
| 440               | 412                                  | NR                             | 570               | 831                                  | NR                             | 700               | 134                                  | NR                             | 830               | 2                                    | NR                             | 960               | 0                                    | NR                             |
| 445               | 610                                  | NR                             | 575               | 872                                  | NR                             | 705               | 114                                  | NR                             | 835               | 2                                    | NR                             | 965               | 0                                    | NR                             |
| 450               | 597                                  | NR                             | 580               | 911                                  | NR                             | 710               | 97                                   | NR                             | 840               | 2                                    | NR                             | 970               | 0                                    | NR                             |
| 455               | 412                                  | NR                             | 585               | 944                                  | NR                             | 715               | 83                                   | NR                             | 845               | 1                                    | NR                             | 975               | 0                                    | NR                             |
| 460               | 330                                  | NR                             | 590               | 974                                  | NR                             | 720               | 70                                   | NR                             | 850               | 1                                    | NR                             | 980               | 0                                    | NR                             |
| 465               | 274                                  | NR                             | 595               | 992                                  | NR                             | 725               | 60                                   | NR                             | 855               | 1                                    | NR                             | 985               | 0                                    | NR                             |
| 470               | 211                                  | NR                             | 600               | 999                                  | NR                             | 730               | 51                                   | NR                             | 860               | 1                                    | NR                             | 990               | 0                                    | NR                             |
| 475               | 200                                  | NR                             | 605               | 992                                  | NR                             | 735               | 43                                   | NR                             | 865               | 1                                    | NR                             | 995               | 0                                    | NR                             |
| 480               | 220                                  | NR                             | 610               | 975                                  | NR                             | 740               | 36                                   | NR                             | 870               | 1                                    | NR                             | 1000              | 0                                    | NR                             |
| 485               | 255                                  | NR                             | 615               | 944                                  | NR                             | 745               | 31                                   | NR                             | 875               | 1                                    | NR                             |                   |                                      |                                |

REPORT NUMBER: SP1-2407-184-10

### Melanopic Flux vs. Wavelength


**Melanopic Lumens: NR**
**M/P: 2.88**

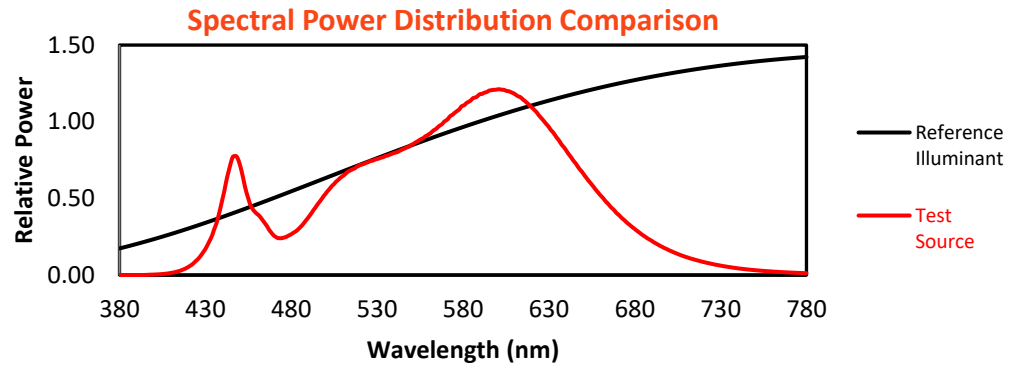
| $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360               | 0                                    | NR                             | 490               | 311                                  | NR                             | 620               | 903                                  | NR                             | 750               | 26                                   | NR                             | 880               | 1                                    | NR                             |
| 365               | 0                                    | NR                             | 495               | 376                                  | NR                             | 625               | 851                                  | NR                             | 755               | 22                                   | NR                             | 885               | 1                                    | NR                             |
| 370               | 0                                    | NR                             | 500               | 438                                  | NR                             | 630               | 797                                  | NR                             | 760               | 19                                   | NR                             | 890               | 0                                    | NR                             |
| 375               | 0                                    | NR                             | 505               | 491                                  | NR                             | 635               | 735                                  | NR                             | 765               | 16                                   | NR                             | 895               | 0                                    | NR                             |
| 380               | 0                                    | NR                             | 510               | 533                                  | NR                             | 640               | 672                                  | NR                             | 770               | 14                                   | NR                             | 900               | 0                                    | NR                             |
| 385               | 0                                    | NR                             | 515               | 566                                  | NR                             | 645               | 607                                  | NR                             | 775               | 12                                   | NR                             | 905               | 0                                    | NR                             |
| 390               | 0                                    | NR                             | 520               | 592                                  | NR                             | 650               | 546                                  | NR                             | 780               | 10                                   | NR                             | 910               | 0                                    | NR                             |
| 395               | 1                                    | NR                             | 525               | 608                                  | NR                             | 655               | 487                                  | NR                             | 785               | 9                                    | NR                             | 915               | 0                                    | NR                             |
| 400               | 3                                    | NR                             | 530               | 625                                  | NR                             | 660               | 429                                  | NR                             | 790               | 7                                    | NR                             | 920               | 0                                    | NR                             |
| 405               | 6                                    | NR                             | 535               | 642                                  | NR                             | 665               | 378                                  | NR                             | 795               | 6                                    | NR                             | 925               | 0                                    | NR                             |
| 410               | 12                                   | NR                             | 540               | 657                                  | NR                             | 670               | 329                                  | NR                             | 800               | 5                                    | NR                             | 930               | 0                                    | NR                             |
| 415               | 22                                   | NR                             | 545               | 677                                  | NR                             | 675               | 286                                  | NR                             | 805               | 5                                    | NR                             | 935               | 0                                    | NR                             |
| 420               | 43                                   | NR                             | 550               | 701                                  | NR                             | 680               | 248                                  | NR                             | 810               | 4                                    | NR                             | 940               | 0                                    | NR                             |
| 425               | 80                                   | NR                             | 555               | 728                                  | NR                             | 685               | 213                                  | NR                             | 815               | 3                                    | NR                             | 945               | 0                                    | NR                             |
| 430               | 140                                  | NR                             | 560               | 757                                  | NR                             | 690               | 184                                  | NR                             | 820               | 3                                    | NR                             | 950               | 0                                    | NR                             |
| 435               | 243                                  | NR                             | 565               | 793                                  | NR                             | 695               | 156                                  | NR                             | 825               | 3                                    | NR                             | 955               | 0                                    | NR                             |
| 440               | 412                                  | NR                             | 570               | 831                                  | NR                             | 700               | 134                                  | NR                             | 830               | 2                                    | NR                             | 960               | 0                                    | NR                             |
| 445               | 610                                  | NR                             | 575               | 872                                  | NR                             | 705               | 114                                  | NR                             | 835               | 2                                    | NR                             | 965               | 0                                    | NR                             |
| 450               | 597                                  | NR                             | 580               | 911                                  | NR                             | 710               | 97                                   | NR                             | 840               | 2                                    | NR                             | 970               | 0                                    | NR                             |
| 455               | 412                                  | NR                             | 585               | 944                                  | NR                             | 715               | 83                                   | NR                             | 845               | 1                                    | NR                             | 975               | 0                                    | NR                             |
| 460               | 330                                  | NR                             | 590               | 974                                  | NR                             | 720               | 70                                   | NR                             | 850               | 1                                    | NR                             | 980               | 0                                    | NR                             |
| 465               | 274                                  | NR                             | 595               | 992                                  | NR                             | 725               | 60                                   | NR                             | 855               | 1                                    | NR                             | 985               | 0                                    | NR                             |
| 470               | 211                                  | NR                             | 600               | 999                                  | NR                             | 730               | 51                                   | NR                             | 860               | 1                                    | NR                             | 990               | 0                                    | NR                             |
| 475               | 200                                  | NR                             | 605               | 992                                  | NR                             | 735               | 43                                   | NR                             | 865               | 1                                    | NR                             | 995               | 0                                    | NR                             |
| 480               | 220                                  | NR                             | 610               | 975                                  | NR                             | 740               | 36                                   | NR                             | 870               | 1                                    | NR                             | 1000              | 0                                    | NR                             |
| 485               | 255                                  | NR                             | 615               | 944                                  | NR                             | 745               | 31                                   | NR                             | 875               | 1                                    | NR                             |                   |                                      |                                |

REPORT NUMBER: SP1-2407-184-10

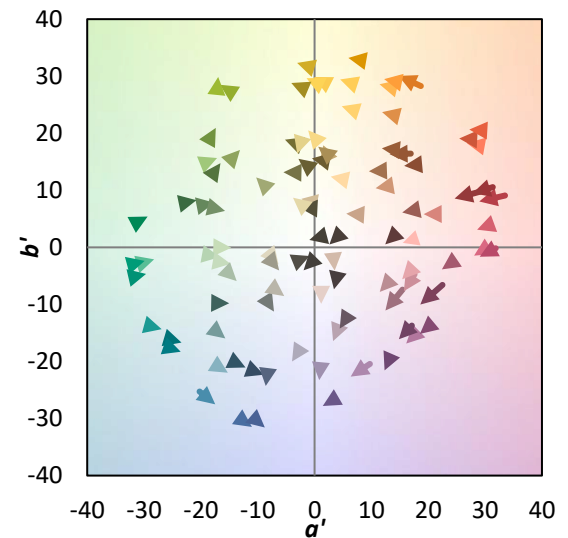
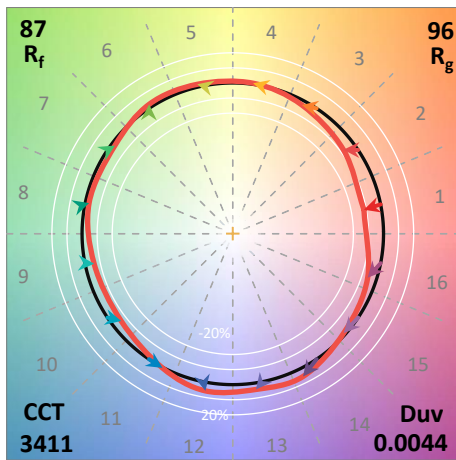
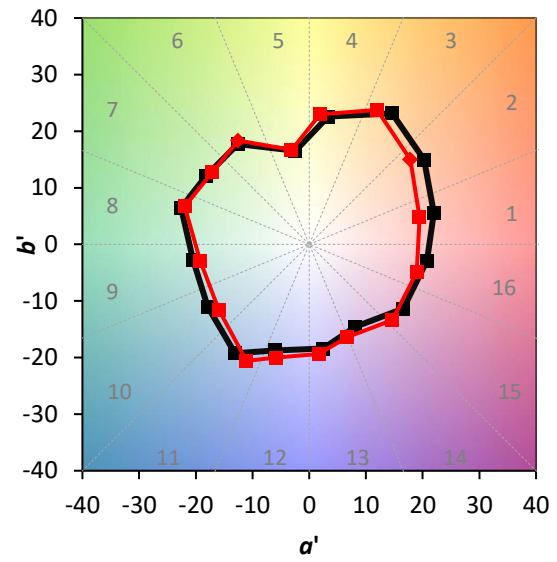
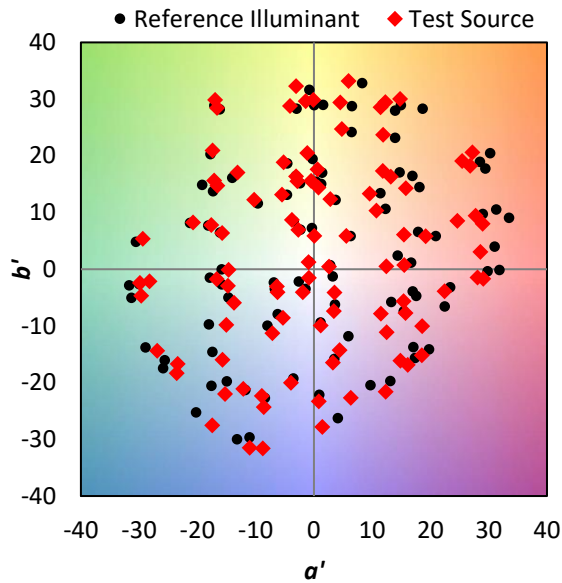
TM-30-18

### Summary

$R_f = 86.6$   
 $R_g = 95.9$   
 $CIE R_a = 83.5$   
 $R_9 = 6.3$

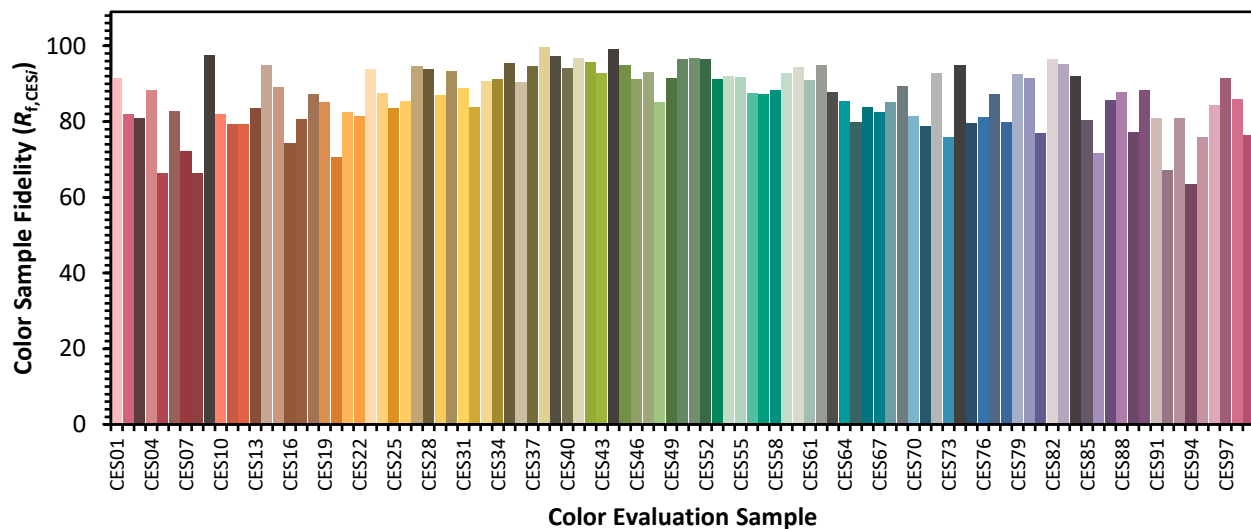


### Color Vector Graphics

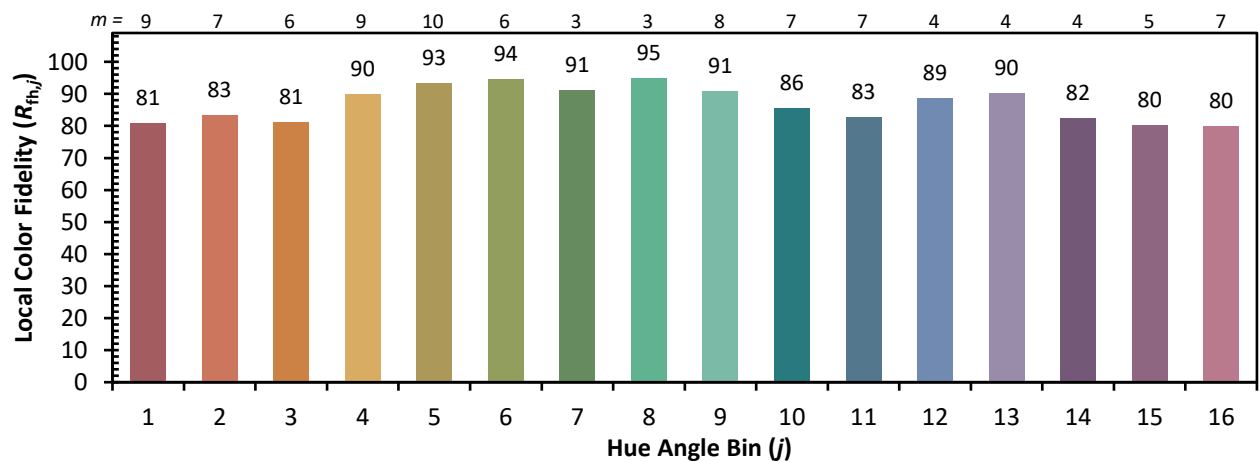
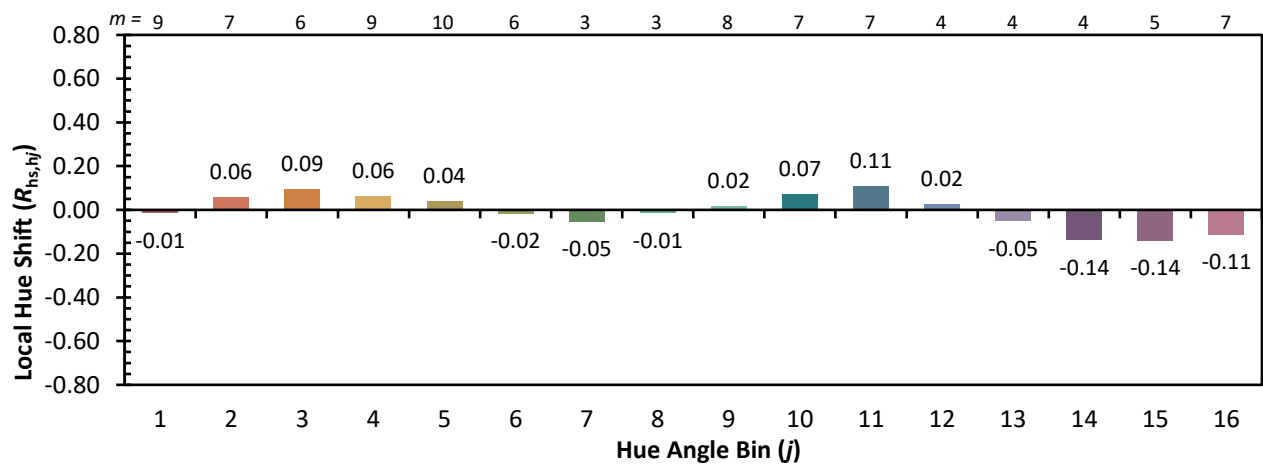
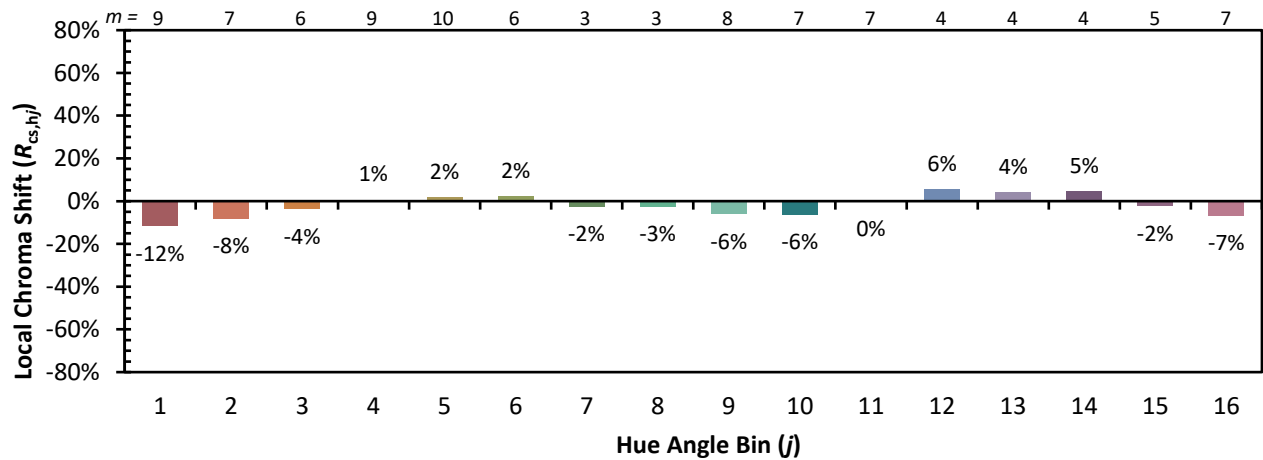


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

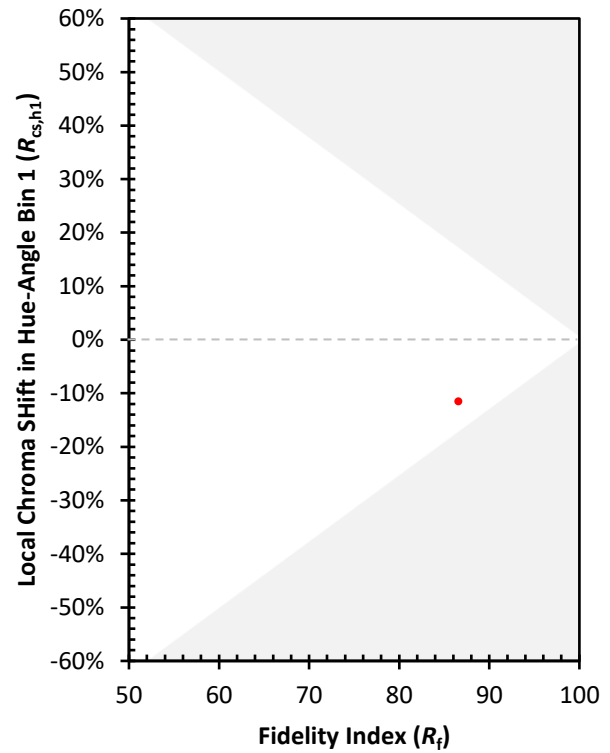
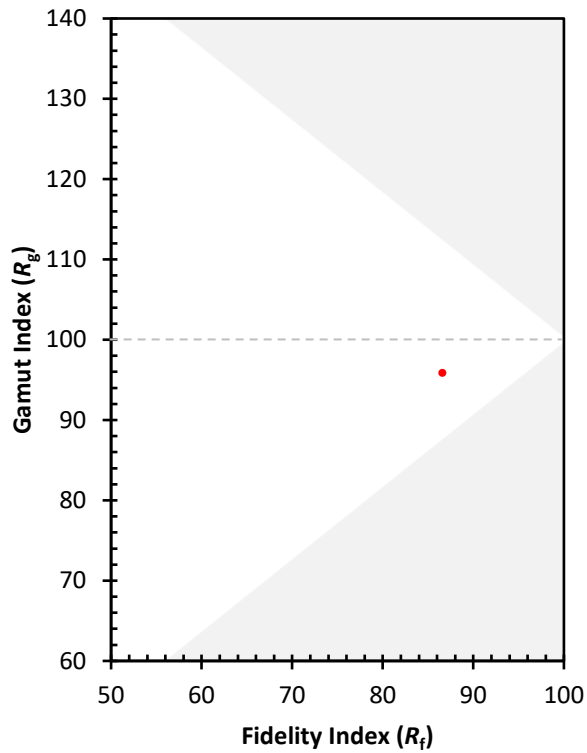
|            |             |            |            |
|------------|-------------|------------|------------|
| CES01 = 86 | CES26 = 85  | CES51 = 97 | CES76 = 81 |
| CES02 = 62 | CES27 = 95  | CES52 = 96 | CES77 = 87 |
| CES03 = 31 | CES28 = 94  | CES53 = 91 | CES78 = 80 |
| CES04 = 70 | CES29 = 87  | CES54 = 92 | CES79 = 93 |
| CES05 = 49 | CES30 = 93  | CES55 = 92 | CES80 = 91 |
| CES06 = 51 | CES31 = 89  | CES56 = 88 | CES81 = 77 |
| CES07 = 41 | CES32 = 84  | CES57 = 87 | CES82 = 96 |
| CES08 = 40 | CES33 = 91  | CES58 = 88 | CES83 = 95 |
| CES09 = 29 | CES34 = 91  | CES59 = 93 | CES84 = 92 |
| CES10 = 75 | CES35 = 95  | CES60 = 94 | CES85 = 80 |
| CES11 = 58 | CES36 = 90  | CES61 = 91 | CES86 = 72 |
| CES12 = 64 | CES37 = 95  | CES62 = 95 | CES87 = 86 |
| CES13 = 43 | CES38 = 100 | CES63 = 88 | CES88 = 88 |
| CES14 = 74 | CES39 = 97  | CES64 = 85 | CES89 = 77 |
| CES15 = 71 | CES40 = 94  | CES65 = 80 | CES90 = 88 |
| CES16 = 47 | CES41 = 97  | CES66 = 84 | CES91 = 81 |
| CES17 = 49 | CES42 = 96  | CES67 = 82 | CES92 = 67 |
| CES18 = 56 | CES43 = 93  | CES68 = 85 | CES93 = 81 |
| CES19 = 72 | CES44 = 99  | CES69 = 89 | CES94 = 63 |
| CES20 = 66 | CES45 = 95  | CES70 = 81 | CES95 = 76 |
| CES21 = 86 | CES46 = 91  | CES71 = 79 | CES96 = 84 |
| CES22 = 78 | CES47 = 93  | CES72 = 93 | CES97 = 92 |
| CES23 = 91 | CES48 = 85  | CES73 = 76 | CES98 = 86 |
| CES24 = 90 | CES49 = 92  | CES74 = 95 | CES99 = 77 |
| CES25 = 72 | CES50 = 96  | CES75 = 80 |            |



Color Rendition by Hue-Angle Bin



**Measure Comparisons**



(END OF REPORT)