

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: P1057696

Luminaire Tested: **GAP-SA1A-760-U-RBC**

Issue Date: 08/07/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1057696  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 08/07/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAP-SA1A-760-U-RBC  
Description: GALLEON PEDESTRAIAN COMPANION 615mA 1xLight Square PACKAGE 70CRI  
5700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL  
Light Source: (14) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3235.4 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

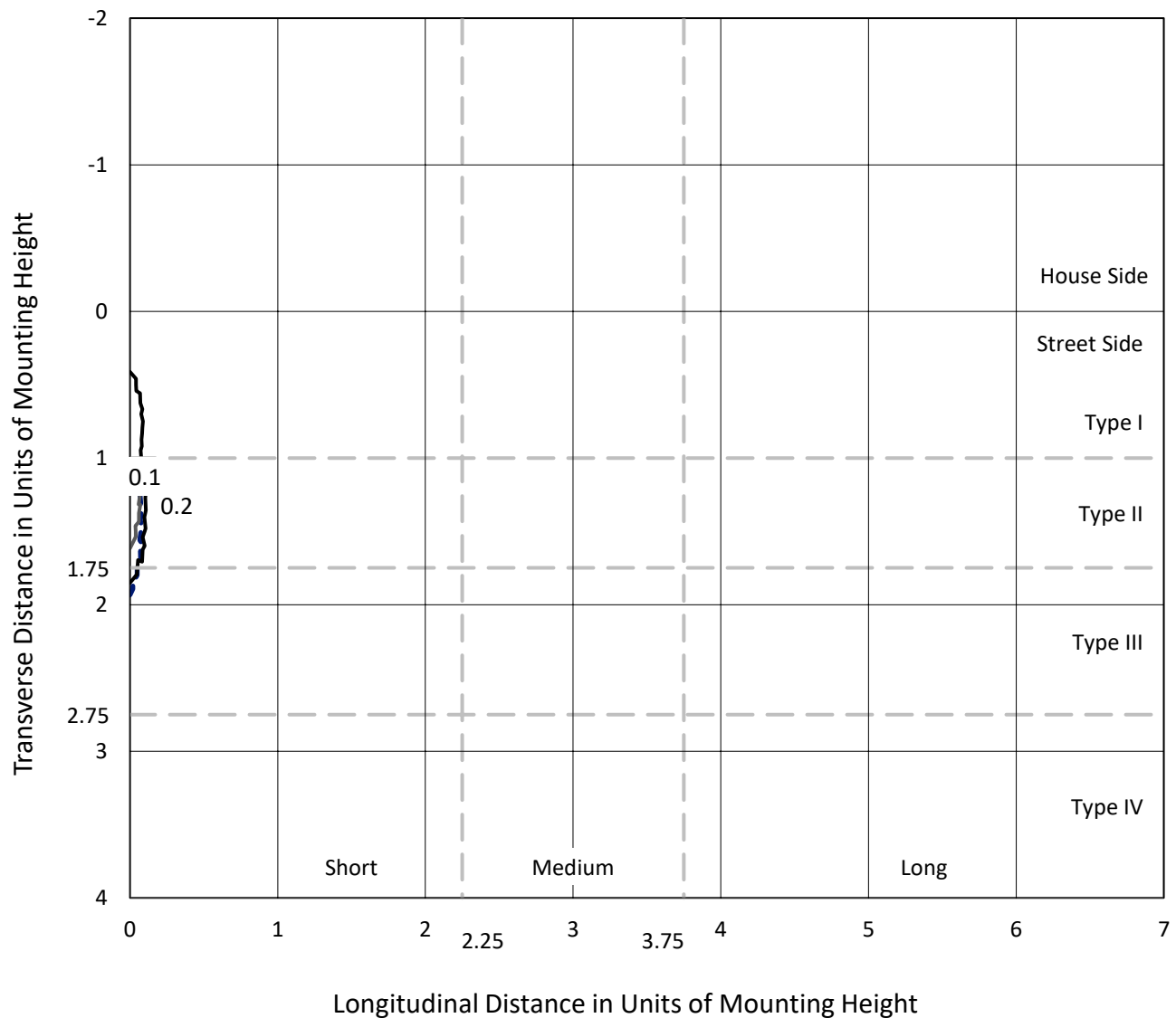


REPORT NUMBER: P1057696

CATALOG NUMBER: GAP-SA1A-760-U-RBC

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

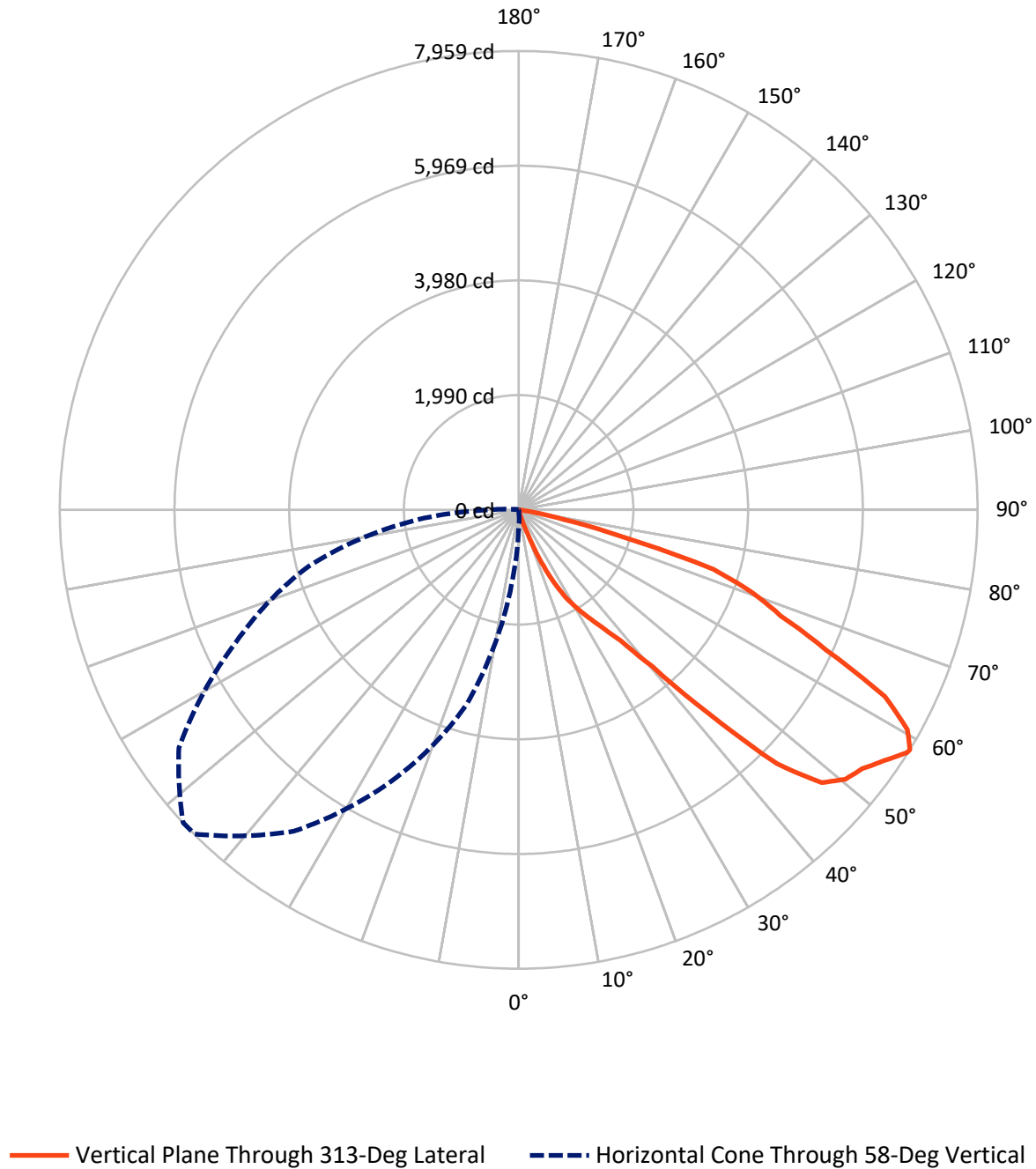


Based on 15 foot mounting height. Maximum calculated value = 0.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P1057696

CATALOG NUMBER: GAP-SA1A-760-U-RBC

## Luminous Intensity Polar Plot



REPORT NUMBER: P1057696

CATALOG NUMBER: GAP-SA1A-760-U-RBC

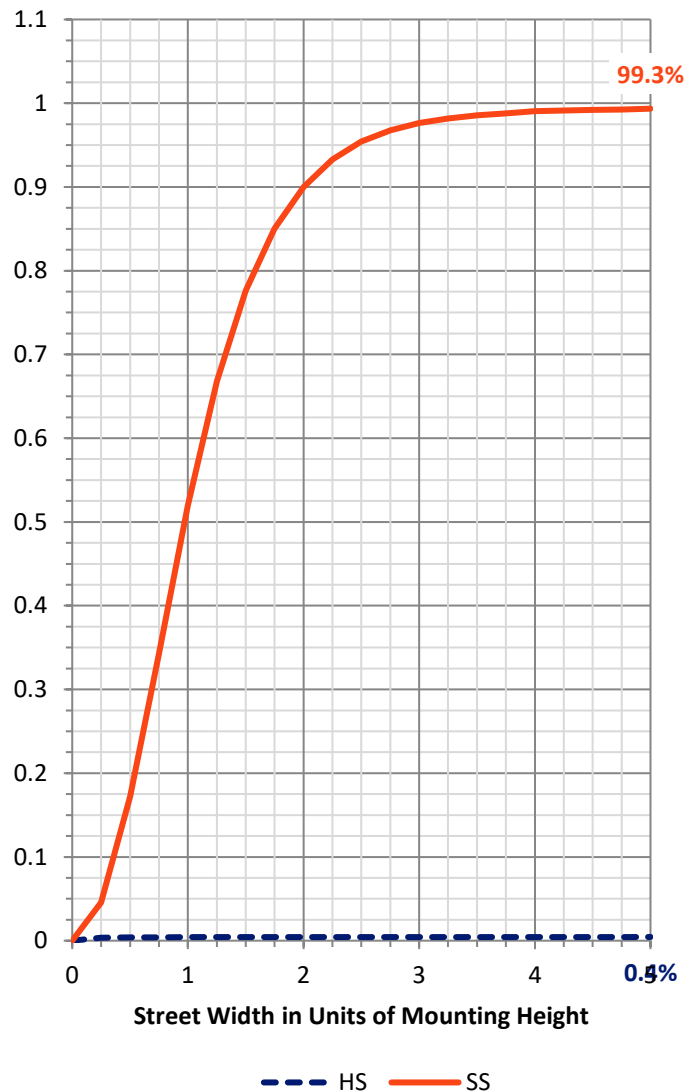
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 14.5     | 0.0    | 14.5   |
|                    | % Fixture | 0.4      | 0.0    | 0.4    |
| <b>Street Side</b> | Lumens    | 3220.9   | 0.0    | 3220.9 |
|                    | % Fixture | 99.6     | 0.0    | 99.6   |
| <b>Total</b>       | Lumens    | 3235.4   | 0.0    | 3235.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.5    | 0.0       |
| 10°-20°   | 5.6    | 0.2       |
| 20°-30°   | 81.7   | 2.5       |
| 30°-40°   | 234.9  | 7.3       |
| 40°-50°   | 669.1  | 20.7      |
| 50°-60°   | 1052.5 | 32.5      |
| 60°-70°   | 897.5  | 27.7      |
| 70°-80°   | 286.3  | 8.8       |
| 80°-90°   | 7.3    | 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°    | 3235.4 | 100.0     |
| 0°-180°   | 3235.4 | 100.0     |



REPORT NUMBER: P1057696

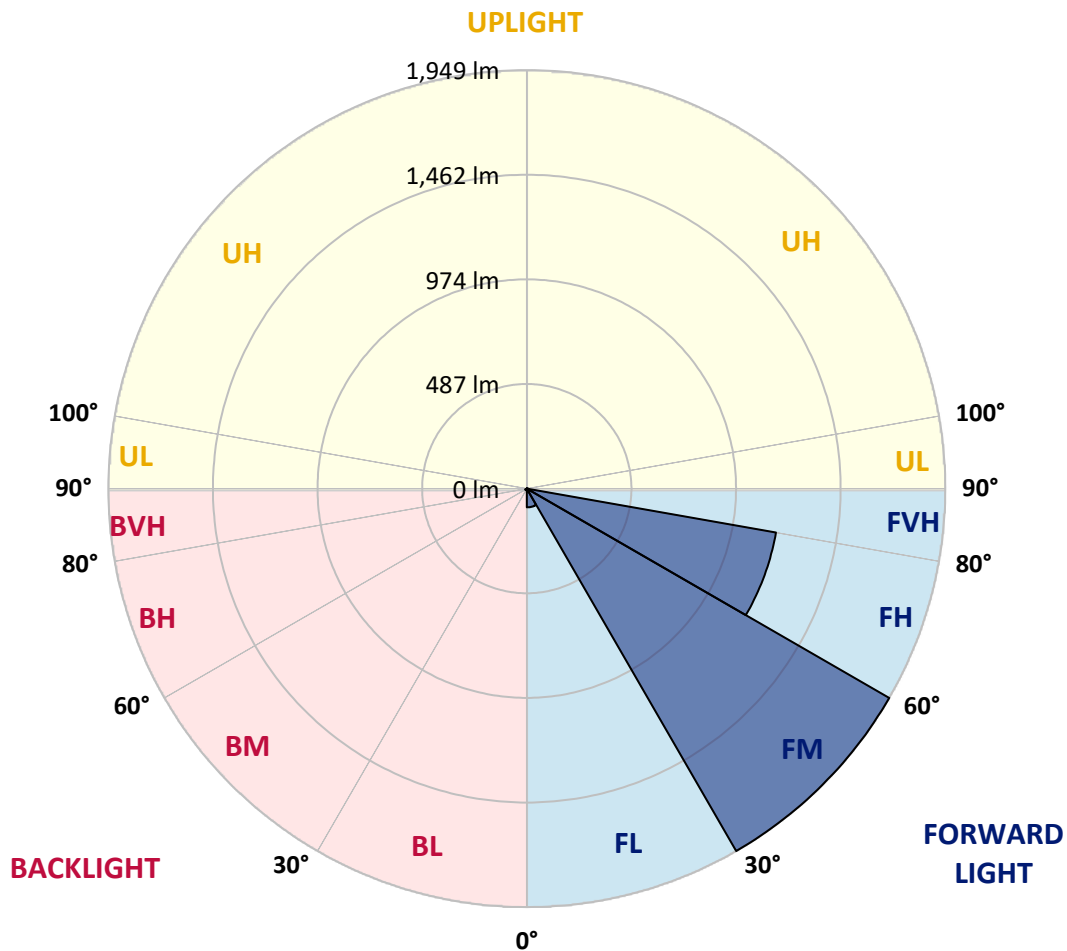
CATALOG NUMBER: GAP-SA1A-760-U-RBC

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 87.2   | 2.7       |                         |      |         |
| FM   | (30°-60°)   | 1948.7 | 60.2      |                         |      |         |
| FH   | (60°-80°)   | 1178.1 | 36.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 6.9    | 0.2       |                         |      | G0/10   |
| BL   | (0°-30°)    | 0.6    | 0.0       | B0/110                  |      |         |
| BM   | (30°-60°)   | 7.7    | 0.2       | B0/220                  |      |         |
| BH   | (60°-80°)   | 5.8    | 0.2       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.4    | 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-G1**

Type III Short





REPORT NUMBER: P1057696

CATALOG NUMBER: GAP-SA1A-760-U-RBC

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°   | 15°  | 25°  | 35°  | 45° | 47° | 55° | 65° | 75° | 85° |
|-------|-------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 0°    | 4.5   | 4.5  | 4.5  | 4.5  | 4.5  | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 2.5°  | 11.7  | 12.3 | 12.9 | 12.3 | 11.0 | 8.4 | 8.4 | 6.5 | 4.5 | 2.6 | 1.9 |
| 5°    | 12.9  | 12.9 | 12.9 | 12.3 | 11.0 | 8.4 | 7.8 | 5.8 | 3.9 | 2.6 | 1.3 |
| 7.5°  | 14.2  | 14.2 | 13.6 | 12.3 | 10.4 | 8.4 | 7.8 | 5.8 | 3.9 | 1.9 | 0.0 |
| 10°   | 15.5  | 15.5 | 14.2 | 12.9 | 10.4 | 7.8 | 7.1 | 5.2 | 3.2 | 1.3 | 0.0 |
| 12.5° | 17.5  | 16.8 | 14.9 | 12.9 | 10.4 | 7.1 | 7.1 | 5.2 | 2.6 | 0.6 | 0.0 |
| 15°   | 20.1  | 18.1 | 15.5 | 12.9 | 9.7  | 7.1 | 6.5 | 4.5 | 1.9 | 0.0 | 0.0 |
| 17.5° | 22.0  | 20.1 | 16.2 | 12.3 | 9.1  | 6.5 | 5.8 | 3.9 | 1.9 | 0.0 | 0.0 |
| 20°   | 24.0  | 20.7 | 16.2 | 12.3 | 9.1  | 5.8 | 5.2 | 3.2 | 0.6 | 0.0 | 0.0 |
| 22.5° | 27.2  | 22.0 | 16.2 | 12.3 | 8.4  | 5.2 | 4.5 | 2.6 | 0.0 | 0.0 | 0.0 |
| 25°   | 33.7  | 23.3 | 16.2 | 11.7 | 7.8  | 4.5 | 3.9 | 1.3 | 0.0 | 0.0 | 0.0 |
| 27.5° | 41.4  | 25.3 | 16.2 | 11.0 | 7.1  | 3.9 | 3.2 | 0.6 | 0.0 | 0.0 | 0.0 |
| 30°   | 49.9  | 27.2 | 16.2 | 11.0 | 6.5  | 3.2 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 58.9  | 29.8 | 16.2 | 10.4 | 5.8  | 2.6 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35°   | 75.8  | 33.7 | 16.2 | 10.4 | 5.2  | 1.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 83.5  | 38.8 | 16.2 | 9.7  | 5.2  | 1.3 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40°   | 86.8  | 37.6 | 15.5 | 9.7  | 4.5  | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 93.9  | 35.0 | 16.2 | 9.1  | 4.5  | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45°   | 114.6 | 35.0 | 17.5 | 9.1  | 3.9  | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 198.8 | 36.3 | 16.8 | 9.1  | 3.9  | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50°   | 327.0 | 42.7 | 16.2 | 9.7  | 4.5  | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 379.4 | 51.8 | 16.2 | 10.4 | 5.8  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55°   | 363.9 | 63.5 | 16.2 | 11.0 | 7.1  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 330.9 | 60.2 | 17.5 | 12.9 | 9.1  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 58°   | 318.6 | 60.2 | 17.5 | 12.9 | 9.1  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60°   | 249.9 | 61.5 | 20.1 | 14.2 | 9.7  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 185.8 | 62.8 | 22.7 | 16.2 | 9.7  | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65°   | 137.9 | 65.4 | 24.0 | 18.8 | 9.1  | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 110.1 | 67.3 | 25.9 | 20.7 | 10.4 | 2.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70°   | 94.5  | 64.7 | 27.8 | 21.4 | 9.7  | 3.9 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 84.2  | 60.9 | 31.7 | 20.7 | 10.4 | 3.9 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75°   | 75.8  | 55.7 | 36.3 | 20.1 | 10.4 | 3.9 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 57.0  | 48.6 | 35.6 | 19.4 | 9.7  | 3.9 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80°   | 28.5  | 32.4 | 31.1 | 17.5 | 7.8  | 3.2 | 2.6 | 0.6 | 0.0 | 0.0 | 0.0 |
| 82.5° | 11.7  | 12.3 | 15.5 | 12.9 | 6.5  | 2.6 | 2.6 | 0.6 | 0.0 | 0.0 | 0.0 |
| 85°   | 1.3   | 2.6  | 4.5  | 5.2  | 4.5  | 2.6 | 2.6 | 0.6 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0   | 0.6  | 2.6  | 3.9  | 3.2  | 1.9 | 1.3 | 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 | 0.0 |



REPORT NUMBER: P1057696

CATALOG NUMBER: GAP-SA1A-760-U-RBC

**CANDELA DISTRIBUTION (continued):**

|       | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-----|-----|------|------|------|------|------|------|------|------|------|
| 0°    | 4.5 | 4.5 | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  |
| 2.5°  | 1.3 | 1.3 | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  | 0.6  |
| 5°    | 0.6 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 7.5°  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 10°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 12.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 15°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 17.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 20°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 22.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 25°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 27.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 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  | 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  | 0.0  |



REPORT NUMBER: P1057696

CATALOG NUMBER: GAP-SA1A-760-U-RBC

**CANDELA DISTRIBUTION (continued):**

|       | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270°  | 275°   |
|-------|------|------|------|------|------|------|------|------|------|-------|--------|
| 0°    | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5  | 4.5   | 4.5    |
| 2.5°  | 0.6  | 1.3  | 1.3  | 1.3  | 1.9  | 1.9  | 2.6  | 3.2  | 3.2  | 3.2   | 3.9    |
| 5°    | 0.0  | 0.0  | 0.6  | 0.6  | 1.3  | 1.9  | 2.6  | 3.9  | 4.5  | 4.5   | 5.2    |
| 7.5°  | 0.0  | 0.0  | 0.0  | 0.6  | 1.3  | 1.9  | 2.6  | 3.9  | 5.2  | 5.8   | 6.5    |
| 10°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.6  | 1.3  | 2.6  | 4.5  | 6.5  | 7.8   | 9.1    |
| 12.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.6  | 2.6  | 5.2  | 7.8  | 9.7   | 11.0   |
| 15°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.6  | 2.6  | 5.2  | 9.7  | 11.7  | 14.2   |
| 17.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.6  | 5.8  | 11.0 | 14.2  | 19.4   |
| 20°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 1.9  | 5.8  | 12.3 | 17.5  | 29.1   |
| 22.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 1.9  | 5.8  | 13.6 | 22.7  | 53.7   |
| 25°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 1.3  | 5.8  | 15.5 | 33.7  | 89.4   |
| 27.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 1.3  | 6.5  | 18.8 | 47.3  | 130.8  |
| 30°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 1.3  | 6.5  | 23.3 | 64.1  | 182.6  |
| 32.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.6  | 6.5  | 27.2 | 80.9  | 248.6  |
| 35°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5.8  | 32.4 | 107.5 | 312.1  |
| 37.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5.8  | 40.1 | 118.5 | 365.8  |
| 40°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5.2  | 38.2 | 128.9 | 427.3  |
| 42.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5.8  | 35.0 | 143.7 | 523.8  |
| 45°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5.8  | 35.0 | 190.4 | 737.5  |
| 47.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5.2  | 42.7 | 296.6 | 1127.3 |
| 50°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.9  | 55.0 | 455.2 | 1605.1 |
| 52.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.2  | 66.7 | 560.1 | 1882.3 |
| 55°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.2  | 80.3 | 560.7 | 1873.2 |
| 57.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.9  | 89.4 | 501.8 | 1690.6 |
| 58°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 4.5  | 88.7 | 485.6 | 1640.1 |
| 60°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.6  | 6.5  | 77.7 | 421.5 | 1431.6 |
| 62.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.6  | 10.4 | 68.0 | 302.4 | 1186.9 |
| 65°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5.2  | 11.7 | 62.2 | 219.5 | 891.0  |
| 67.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 6.5  | 13.6 | 59.6 | 155.4 | 619.7  |
| 70°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.8  | 15.5 | 55.0 | 111.4 | 407.9  |
| 72.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.8  | 19.4 | 51.8 | 87.4  | 246.0  |
| 75°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.8  | 24.6 | 45.3 | 71.2  | 132.1  |
| 77.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.8  | 26.5 | 37.6 | 51.8  | 80.3   |
| 80°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.1  | 24.0 | 27.2 | 22.7  | 27.2   |
| 82.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.9  | 14.2 | 5.8  | 5.8   | 9.1    |
| 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   | 0.0    |

REPORT NUMBER: P1057696

CATALOG NUMBER: GAP-SA1A-760-U-RBC

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 313°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5   |
| 2.5°  | 4.5    | 4.5    | 4.5    | 4.5    | 5.2    | 5.2    | 7.1    | 9.1    | 11.0   | 11.7  |
| 5°    | 5.8    | 6.5    | 7.1    | 7.1    | 7.1    | 7.8    | 9.1    | 10.4   | 12.3   | 12.9  |
| 7.5°  | 8.4    | 9.1    | 10.4   | 10.4   | 10.4   | 11.0   | 11.7   | 12.9   | 14.2   | 14.2  |
| 10°   | 11.0   | 12.9   | 13.6   | 14.2   | 14.9   | 14.9   | 14.9   | 15.5   | 16.2   | 15.5  |
| 12.5° | 14.9   | 17.5   | 20.7   | 21.4   | 21.4   | 21.4   | 20.7   | 19.4   | 18.1   | 17.5  |
| 15°   | 20.7   | 28.5   | 38.8   | 42.7   | 40.8   | 36.3   | 31.7   | 24.6   | 21.4   | 20.1  |
| 17.5° | 38.2   | 77.7   | 141.2  | 156.0  | 152.8  | 131.4  | 77.1   | 37.6   | 25.3   | 22.0  |
| 20°   | 103.0  | 251.2  | 414.4  | 453.9  | 474.6  | 393.0  | 227.3  | 87.4   | 31.1   | 24.0  |
| 22.5° | 222.1  | 521.9  | 808.7  | 911.0  | 917.5  | 738.1  | 442.2  | 177.4  | 44.7   | 27.2  |
| 25°   | 357.4  | 834.6  | 1225.7 | 1324.8 | 1326.7 | 1137.6 | 707.1  | 287.5  | 68.0   | 33.7  |
| 27.5° | 547.8  | 1170.0 | 1607.7 | 1690.0 | 1688.7 | 1497.0 | 1021.7 | 439.0  | 95.2   | 41.4  |
| 30°   | 742.7  | 1431.6 | 1859.6 | 1961.9 | 1971.6 | 1742.4 | 1284.6 | 618.4  | 124.3  | 49.9  |
| 32.5° | 935.6  | 1625.2 | 2089.5 | 2225.4 | 2217.0 | 1959.3 | 1467.9 | 765.3  | 174.2  | 58.9  |
| 35°   | 1087.8 | 1790.3 | 2343.9 | 2511.0 | 2517.5 | 2197.6 | 1630.4 | 907.8  | 216.9  | 75.8  |
| 37.5° | 1217.9 | 2003.3 | 2682.6 | 2875.5 | 2883.9 | 2494.1 | 1800.7 | 1047.6 | 253.8  | 83.5  |
| 40°   | 1378.5 | 2353.0 | 3243.3 | 3570.9 | 3572.2 | 3047.1 | 2106.9 | 1204.3 | 303.7  | 86.8  |
| 42.5° | 1739.2 | 3102.1 | 4338.9 | 4809.6 | 4850.4 | 4194.5 | 2803.0 | 1544.3 | 382.0  | 93.9  |
| 45°   | 2460.5 | 4089.6 | 5736.2 | 6278.1 | 6329.9 | 5622.2 | 3996.3 | 2329.0 | 554.3  | 114.6 |
| 47.5° | 3318.4 | 4948.2 | 6548.1 | 7070.0 | 7104.3 | 6297.5 | 4795.3 | 3236.8 | 943.4  | 198.8 |
| 50°   | 3846.1 | 5266.1 | 6846.6 | 7344.5 | 7350.4 | 6519.6 | 5045.9 | 3708.2 | 1344.2 | 327.0 |
| 52.5° | 4009.9 | 5306.9 | 6858.3 | 7460.4 | 7477.3 | 6493.7 | 5080.2 | 3803.4 | 1511.3 | 379.4 |
| 55°   | 3943.2 | 5282.9 | 6981.3 | 7681.9 | 7700.0 | 6599.3 | 5056.9 | 3699.1 | 1432.9 | 363.9 |
| 57.5° | 3791.1 | 5376.1 | 7183.3 | 7944.8 | 7944.8 | 6794.2 | 5143.0 | 3524.3 | 1241.2 | 330.9 |
| 58°   | 3768.4 | 5399.5 | 7194.3 | 7959.0 | 7953.2 | 6806.5 | 5178.7 | 3499.1 | 1199.2 | 318.6 |
| 60°   | 3737.3 | 5471.3 | 7112.7 | 7748.6 | 7731.7 | 6719.7 | 5243.4 | 3476.4 | 995.2  | 249.9 |
| 62.5° | 3692.0 | 5309.5 | 6518.3 | 7129.6 | 7086.2 | 6111.7 | 5057.6 | 3343.7 | 742.7  | 185.8 |
| 65°   | 3459.6 | 4711.8 | 5433.8 | 5857.2 | 5843.6 | 5027.8 | 4353.1 | 2995.3 | 534.8  | 137.9 |
| 67.5° | 2916.3 | 3688.8 | 4389.4 | 4899.6 | 4902.8 | 4104.5 | 3404.5 | 2393.8 | 363.9  | 110.1 |
| 70°   | 2051.3 | 2720.8 | 3731.5 | 4299.4 | 4325.3 | 3442.7 | 2522.0 | 1595.4 | 240.2  | 94.5  |
| 72.5° | 1225.1 | 2055.1 | 3102.8 | 3534.0 | 3520.4 | 2856.7 | 1871.3 | 951.2  | 146.3  | 84.2  |
| 75°   | 593.8  | 1228.3 | 1568.2 | 1818.8 | 1808.5 | 1429.0 | 997.1  | 466.2  | 106.8  | 75.8  |
| 77.5° | 161.2  | 377.5  | 607.3  | 789.9  | 811.3  | 572.4  | 327.0  | 125.0  | 66.7   | 57.0  |
| 80°   | 54.4   | 116.5  | 198.1  | 269.4  | 276.5  | 247.3  | 123.0  | 44.0   | 29.1   | 28.5  |
| 82.5° | 20.7   | 28.5   | 36.3   | 32.4   | 32.4   | 33.7   | 26.5   | 18.8   | 13.6   | 11.7  |
| 85°   | 0.0    | 0.0    | 0.6    | 1.3    | 1.3    | 1.9    | 1.9    | 1.9    | 1.3    | 1.3   |
| 87.5° | 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   |

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-7

Test Date: 10/10/2024

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

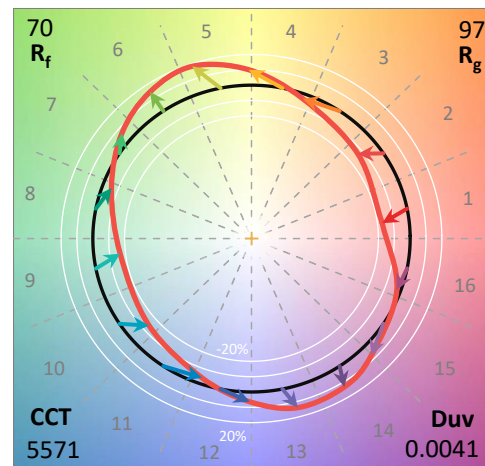
Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

### Test Information

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

### Spectral Parameters

|                           |          |           |      |      |       |
|---------------------------|----------|-----------|------|------|-------|
| CCT (K):                  | 5571     | CRI (Ra): | 69.9 |      |       |
| CIE u':                   | 0.2033   | R1:       | 68.8 | R9:  | -35.4 |
| CIE v':                   | 0.4806   | R2:       | 72.5 | R10: | 36.7  |
| Duv:                      | 0.0041   | R3:       | 76.8 | R11: | 73.9  |
| CIE x:                    | 0.3308   | R4:       | 72.0 | R12: | 47.8  |
| CIE y:                    | 0.3476   | R5:       | 70.9 | R13: | 68.0  |
| CIE z:                    | 0.3216   | R6:       | 65.6 | R14: | 87.0  |
| Peak Wavelength (nm):     | 442      | R7:       | 75.5 | R15: | 59.8  |
| Dominant Wavelength (nm): | 544      | R8:       | 56.8 |      |       |
| Purity:                   | 3.635698 |           |      |      |       |
| Rf:                       | 70.4     |           |      |      |       |
| Rg:                       | 97.1     |           |      |      |       |



### Test Conditions

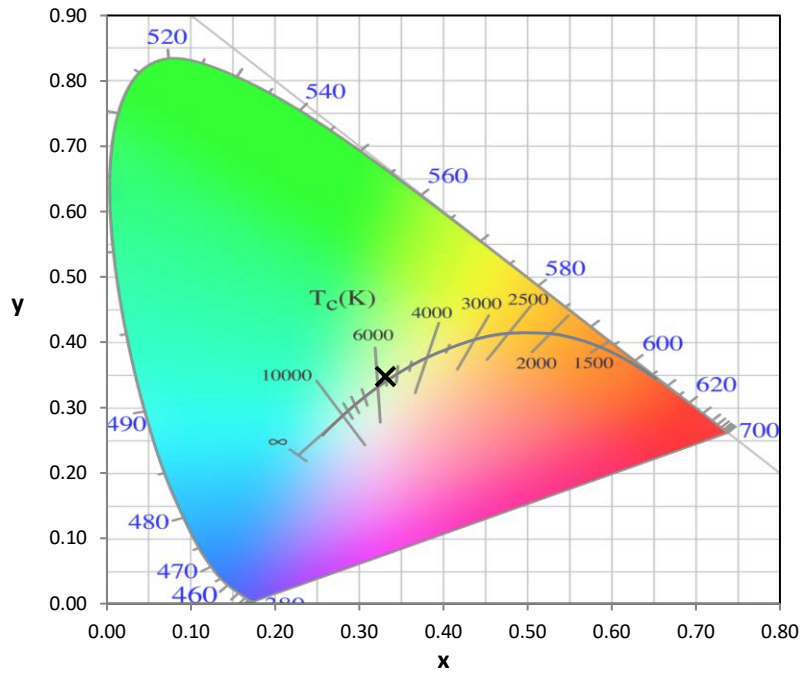
Stabilization Time: 20M  
 Operation Time: 1H 20M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-7

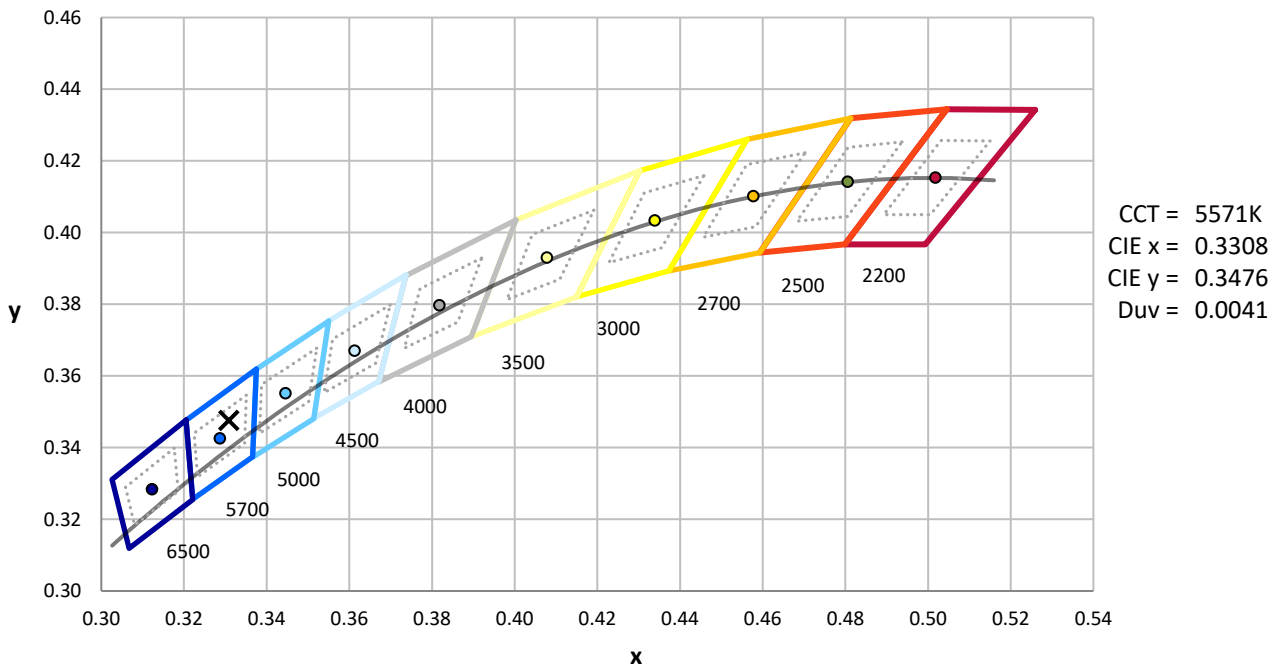
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date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

REPORT NUMBER: SP1-2407-184-7

**CIE 1931 Chromaticity Diagram**



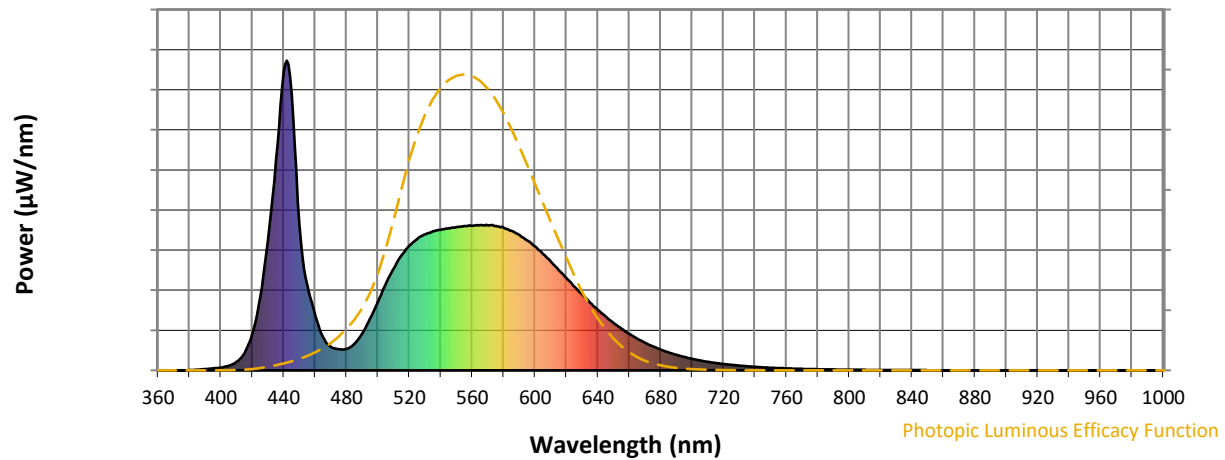
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

### Photopic Flux vs. Wavelength

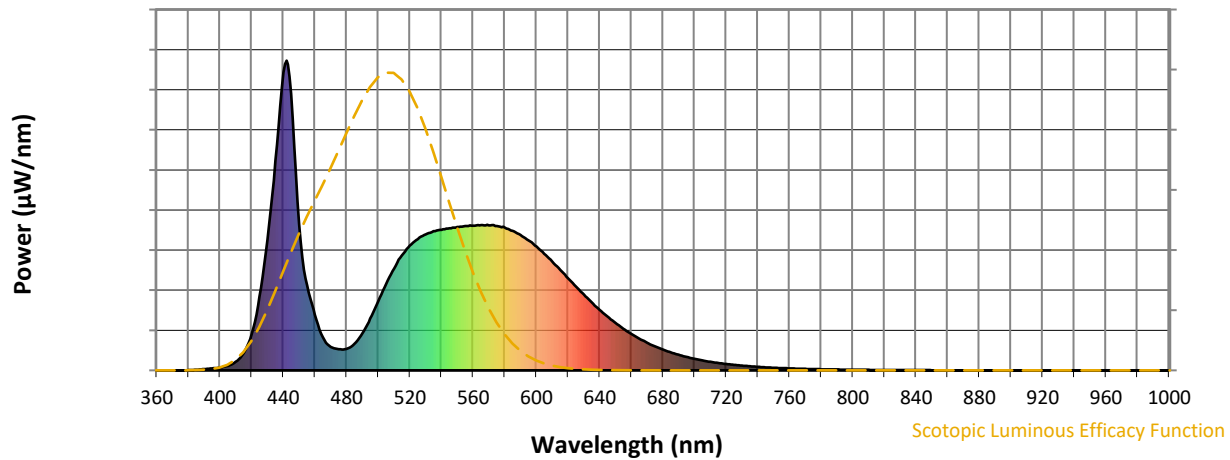


### Photopic Lumens: NR

| λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>^</sup> /nm | Lumens<br>(φ/nm) |
|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|
| 360       | 0                           | NR               | 490       | 120                         | NR               | 620       | 298                         | NR               | 750       | 9                           | NR               | 880       | 0                           | NR               |
| 365       | 0                           | NR               | 495       | 167                         | NR               | 625       | 270                         | NR               | 755       | 7                           | NR               | 885       | 0                           | NR               |
| 370       | 0                           | NR               | 500       | 222                         | NR               | 630       | 245                         | NR               | 760       | 6                           | NR               | 890       | 0                           | NR               |
| 375       | 0                           | NR               | 505       | 279                         | NR               | 635       | 219                         | NR               | 765       | 6                           | NR               | 895       | 0                           | NR               |
| 380       | 1                           | NR               | 510       | 329                         | NR               | 640       | 196                         | NR               | 770       | 5                           | NR               | 900       | 0                           | NR               |
| 385       | 2                           | NR               | 515       | 371                         | NR               | 645       | 173                         | NR               | 775       | 4                           | NR               | 905       | 0                           | NR               |
| 390       | 4                           | NR               | 520       | 403                         | NR               | 650       | 153                         | NR               | 780       | 4                           | NR               | 910       | 0                           | NR               |
| 395       | 6                           | NR               | 525       | 424                         | NR               | 655       | 135                         | NR               | 785       | 3                           | NR               | 915       | 0                           | NR               |
| 400       | 9                           | NR               | 530       | 439                         | NR               | 660       | 117                         | NR               | 790       | 3                           | NR               | 920       | 0                           | NR               |
| 405       | 14                          | NR               | 535       | 449                         | NR               | 665       | 103                         | NR               | 795       | 2                           | NR               | 925       | 0                           | NR               |
| 410       | 28                          | NR               | 540       | 454                         | NR               | 670       | 89                          | NR               | 800       | 2                           | NR               | 930       | 0                           | NR               |
| 415       | 55                          | NR               | 545       | 459                         | NR               | 675       | 77                          | NR               | 805       | 2                           | NR               | 935       | 0                           | NR               |
| 420       | 118                         | NR               | 550       | 463                         | NR               | 680       | 67                          | NR               | 810       | 2                           | NR               | 940       | 0                           | NR               |
| 425       | 237                         | NR               | 555       | 466                         | NR               | 685       | 58                          | NR               | 815       | 1                           | NR               | 945       | 0                           | NR               |
| 430       | 420                         | NR               | 560       | 467                         | NR               | 690       | 50                          | NR               | 820       | 1                           | NR               | 950       | 0                           | NR               |
| 435       | 677                         | NR               | 565       | 469                         | NR               | 695       | 43                          | NR               | 825       | 1                           | NR               | 955       | 0                           | NR               |
| 440       | 962                         | NR               | 570       | 469                         | NR               | 700       | 37                          | NR               | 830       | 1                           | NR               | 960       | 0                           | NR               |
| 445       | 894                         | NR               | 575       | 466                         | NR               | 705       | 32                          | NR               | 835       | 1                           | NR               | 965       | 0                           | NR               |
| 450       | 472                         | NR               | 580       | 461                         | NR               | 710       | 28                          | NR               | 840       | 1                           | NR               | 970       | 0                           | NR               |
| 455       | 275                         | NR               | 585       | 450                         | NR               | 715       | 24                          | NR               | 845       | 1                           | NR               | 975       | 0                           | NR               |
| 460       | 180                         | NR               | 590       | 437                         | NR               | 720       | 21                          | NR               | 850       | 1                           | NR               | 980       | 0                           | NR               |
| 465       | 107                         | NR               | 595       | 420                         | NR               | 725       | 18                          | NR               | 855       | 0                           | NR               | 985       | 0                           | NR               |
| 470       | 76                          | NR               | 600       | 400                         | NR               | 730       | 15                          | NR               | 860       | 0                           | NR               | 990       | 0                           | NR               |
| 475       | 68                          | NR               | 605       | 376                         | NR               | 735       | 13                          | NR               | 865       | 0                           | NR               | 995       | 0                           | NR               |
| 480       | 69                          | NR               | 610       | 352                         | NR               | 740       | 11                          | NR               | 870       | 0                           | NR               | 1000      | 0                           | NR               |
| 485       | 86                          | NR               | 615       | 325                         | NR               | 745       | 10                          | NR               | 875       | 0                           | NR               |           |                             |                  |

REPORT NUMBER: SP1-2407-184-7

### Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

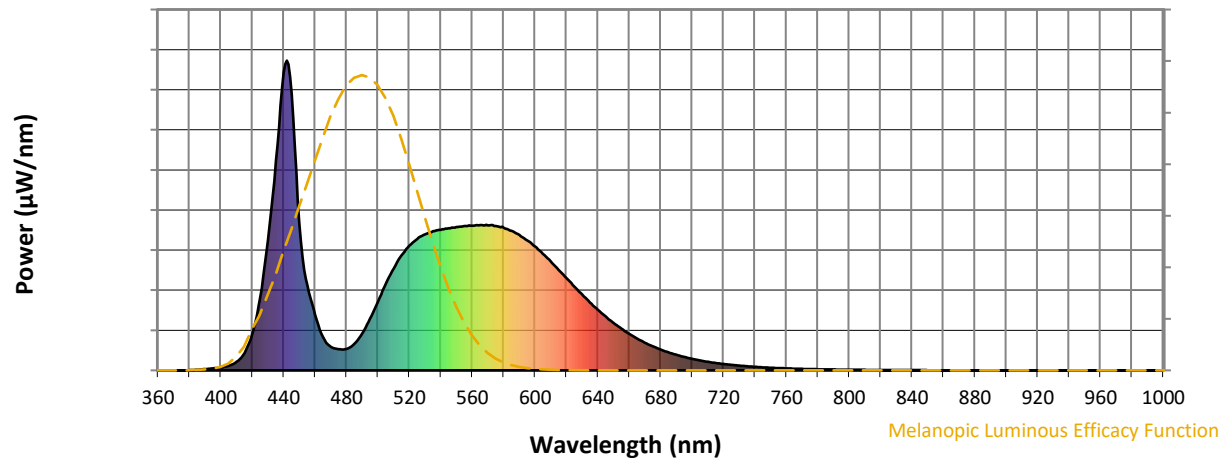
S/P: 1.84

| λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360    | 0                        | NR            | 490    | 120                      | NR            | 620    | 298                      | NR            | 750    | 9                        | NR            | 880    | 0                        | NR            |
| 365    | 0                        | NR            | 495    | 167                      | NR            | 625    | 270                      | NR            | 755    | 7                        | NR            | 885    | 0                        | NR            |
| 370    | 0                        | NR            | 500    | 222                      | NR            | 630    | 245                      | NR            | 760    | 6                        | NR            | 890    | 0                        | NR            |
| 375    | 0                        | NR            | 505    | 279                      | NR            | 635    | 219                      | NR            | 765    | 6                        | NR            | 895    | 0                        | NR            |
| 380    | 1                        | NR            | 510    | 329                      | NR            | 640    | 196                      | NR            | 770    | 5                        | NR            | 900    | 0                        | NR            |
| 385    | 2                        | NR            | 515    | 371                      | NR            | 645    | 173                      | NR            | 775    | 4                        | NR            | 905    | 0                        | NR            |
| 390    | 4                        | NR            | 520    | 403                      | NR            | 650    | 153                      | NR            | 780    | 4                        | NR            | 910    | 0                        | NR            |
| 395    | 6                        | NR            | 525    | 424                      | NR            | 655    | 135                      | NR            | 785    | 3                        | NR            | 915    | 0                        | NR            |
| 400    | 9                        | NR            | 530    | 439                      | NR            | 660    | 117                      | NR            | 790    | 3                        | NR            | 920    | 0                        | NR            |
| 405    | 14                       | NR            | 535    | 449                      | NR            | 665    | 103                      | NR            | 795    | 2                        | NR            | 925    | 0                        | NR            |
| 410    | 28                       | NR            | 540    | 454                      | NR            | 670    | 89                       | NR            | 800    | 2                        | NR            | 930    | 0                        | NR            |
| 415    | 55                       | NR            | 545    | 459                      | NR            | 675    | 77                       | NR            | 805    | 2                        | NR            | 935    | 0                        | NR            |
| 420    | 118                      | NR            | 550    | 463                      | NR            | 680    | 67                       | NR            | 810    | 2                        | NR            | 940    | 0                        | NR            |
| 425    | 237                      | NR            | 555    | 466                      | NR            | 685    | 58                       | NR            | 815    | 1                        | NR            | 945    | 0                        | NR            |
| 430    | 420                      | NR            | 560    | 467                      | NR            | 690    | 50                       | NR            | 820    | 1                        | NR            | 950    | 0                        | NR            |
| 435    | 677                      | NR            | 565    | 469                      | NR            | 695    | 43                       | NR            | 825    | 1                        | NR            | 955    | 0                        | NR            |
| 440    | 962                      | NR            | 570    | 469                      | NR            | 700    | 37                       | NR            | 830    | 1                        | NR            | 960    | 0                        | NR            |
| 445    | 894                      | NR            | 575    | 466                      | NR            | 705    | 32                       | NR            | 835    | 1                        | NR            | 965    | 0                        | NR            |
| 450    | 472                      | NR            | 580    | 461                      | NR            | 710    | 28                       | NR            | 840    | 1                        | NR            | 970    | 0                        | NR            |
| 455    | 275                      | NR            | 585    | 450                      | NR            | 715    | 24                       | NR            | 845    | 1                        | NR            | 975    | 0                        | NR            |
| 460    | 180                      | NR            | 590    | 437                      | NR            | 720    | 21                       | NR            | 850    | 1                        | NR            | 980    | 0                        | NR            |
| 465    | 107                      | NR            | 595    | 420                      | NR            | 725    | 18                       | NR            | 855    | 0                        | NR            | 985    | 0                        | NR            |
| 470    | 76                       | NR            | 600    | 400                      | NR            | 730    | 15                       | NR            | 860    | 0                        | NR            | 990    | 0                        | NR            |
| 475    | 68                       | NR            | 605    | 376                      | NR            | 735    | 13                       | NR            | 865    | 0                        | NR            | 995    | 0                        | NR            |
| 480    | 69                       | NR            | 610    | 352                      | NR            | 740    | 11                       | NR            | 870    | 0                        | NR            | 1000   | 0                        | NR            |
| 485    | 86                       | NR            | 615    | 325                      | NR            | 745    | 10                       | NR            | 875    | 0                        | NR            |        |                          |               |



REPORT NUMBER: SP1-2407-184-7

### Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.71

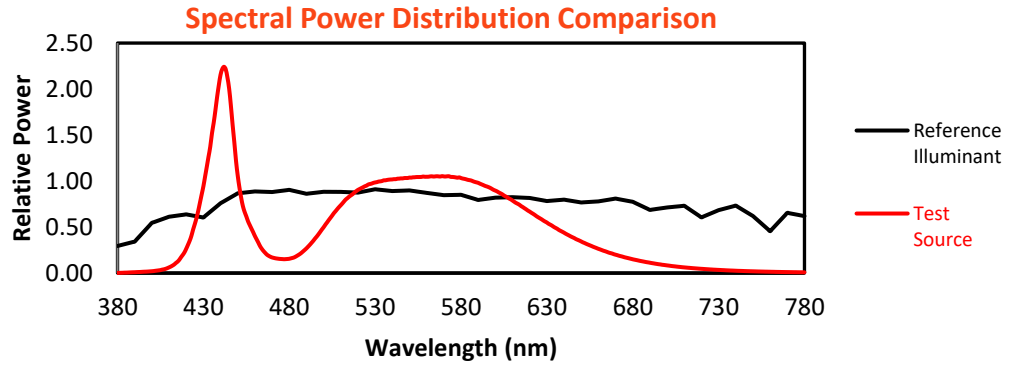
| $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power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

REPORT NUMBER: SP1-2407-184-7

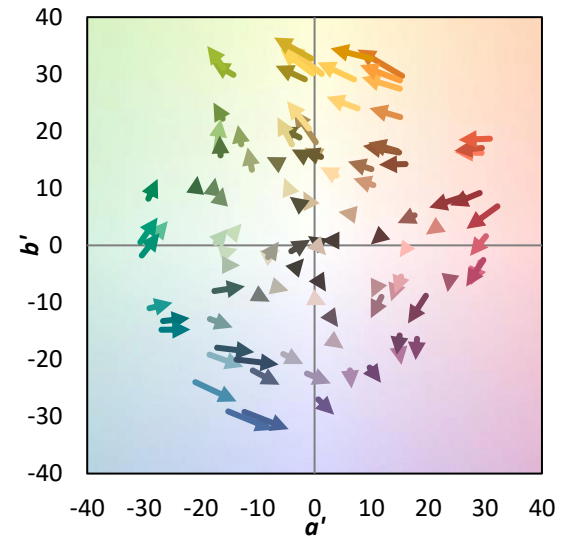
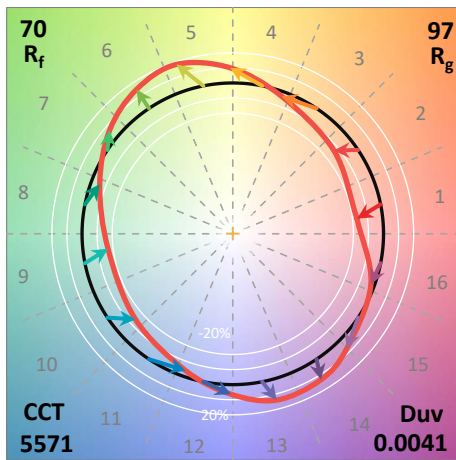
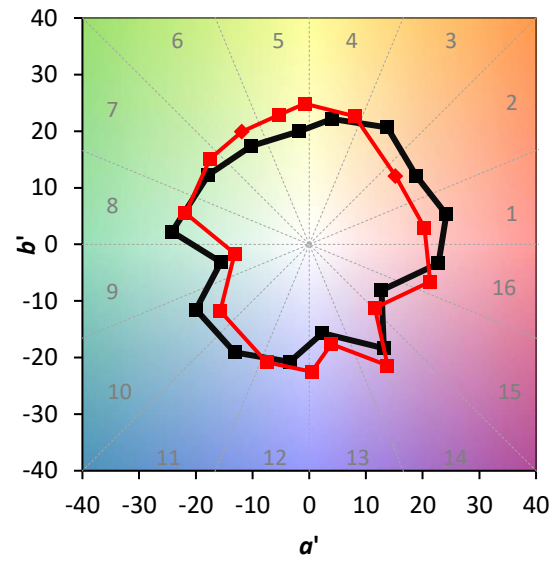
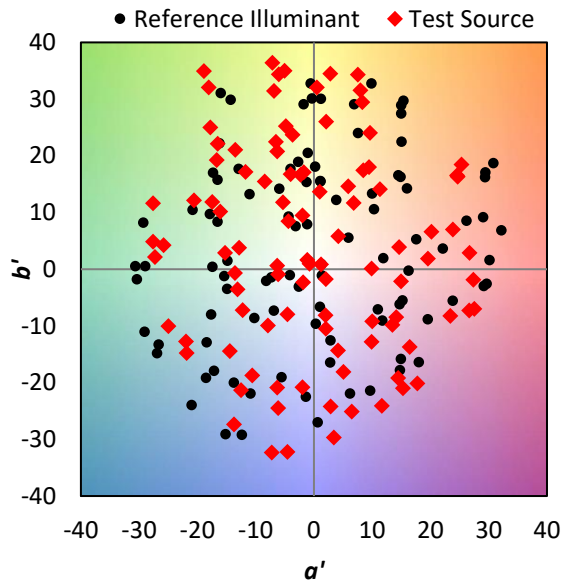
TM-30-18

### Summary

$R_f = 70.4$   
 $R_g = 97.1$   
 $CIE\ R_a = 69.9$   
 $R_g = -35.4$

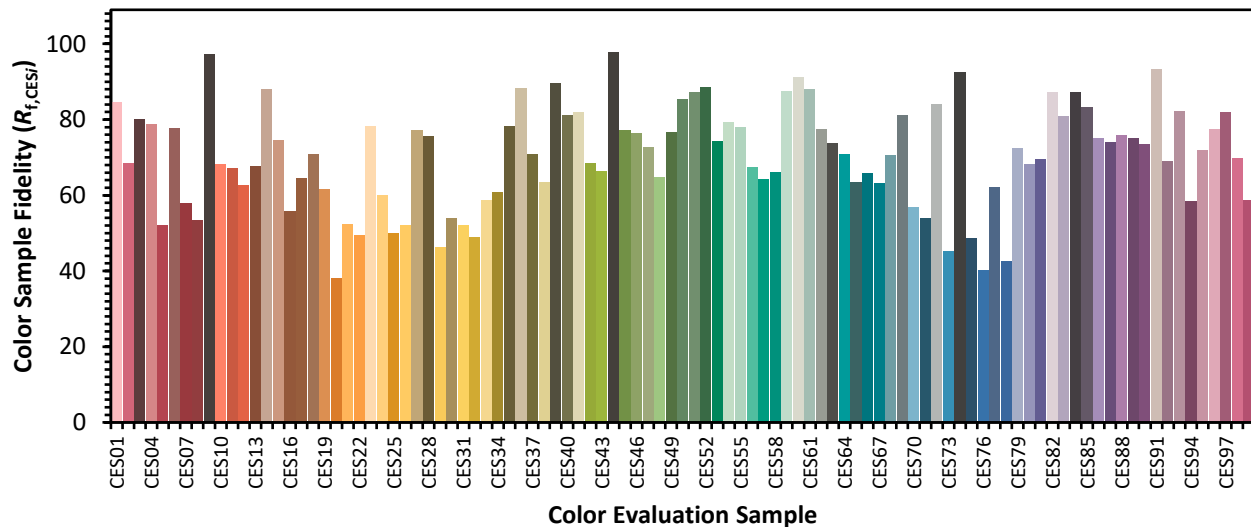


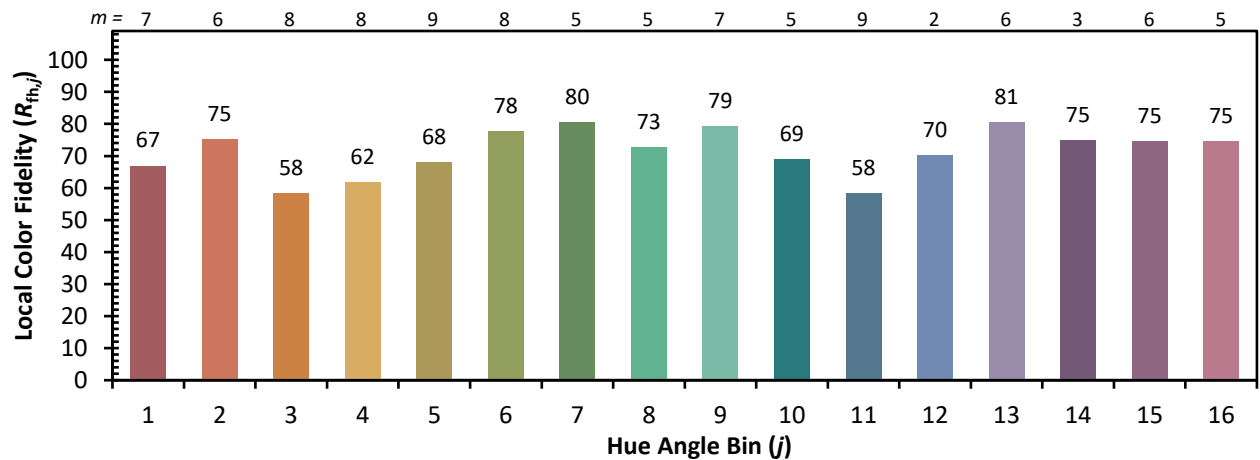
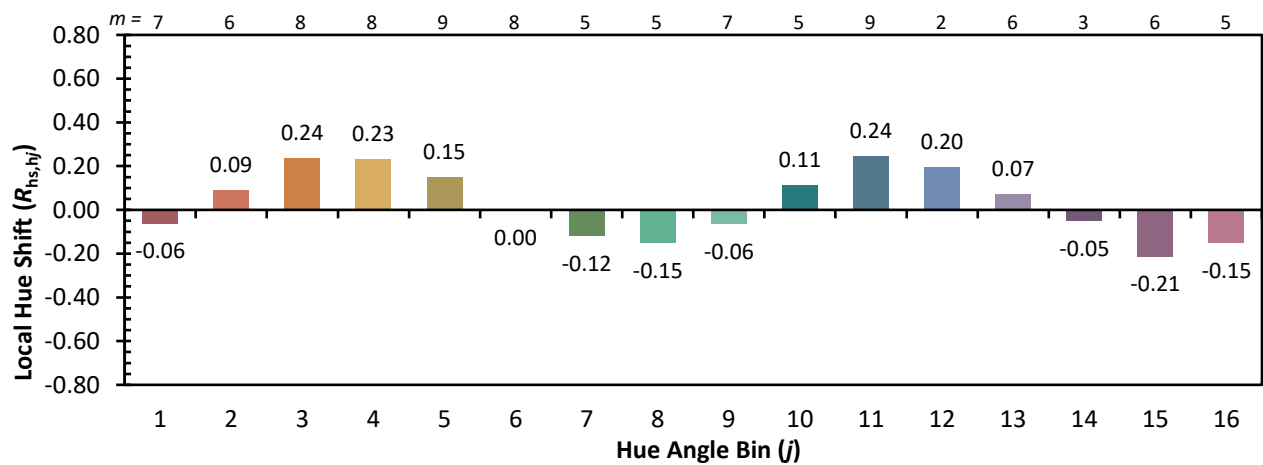
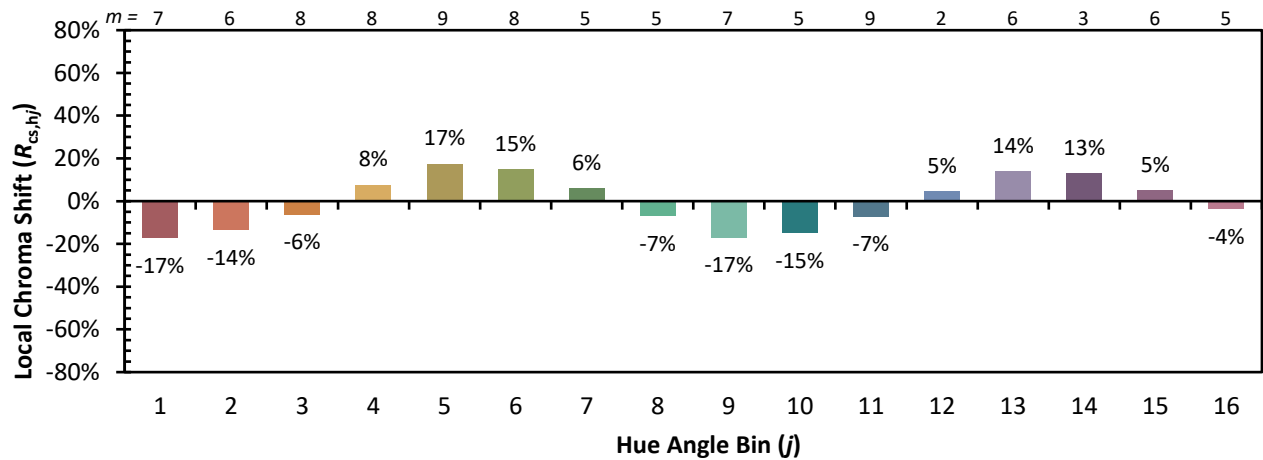
### Color Vector Graphics



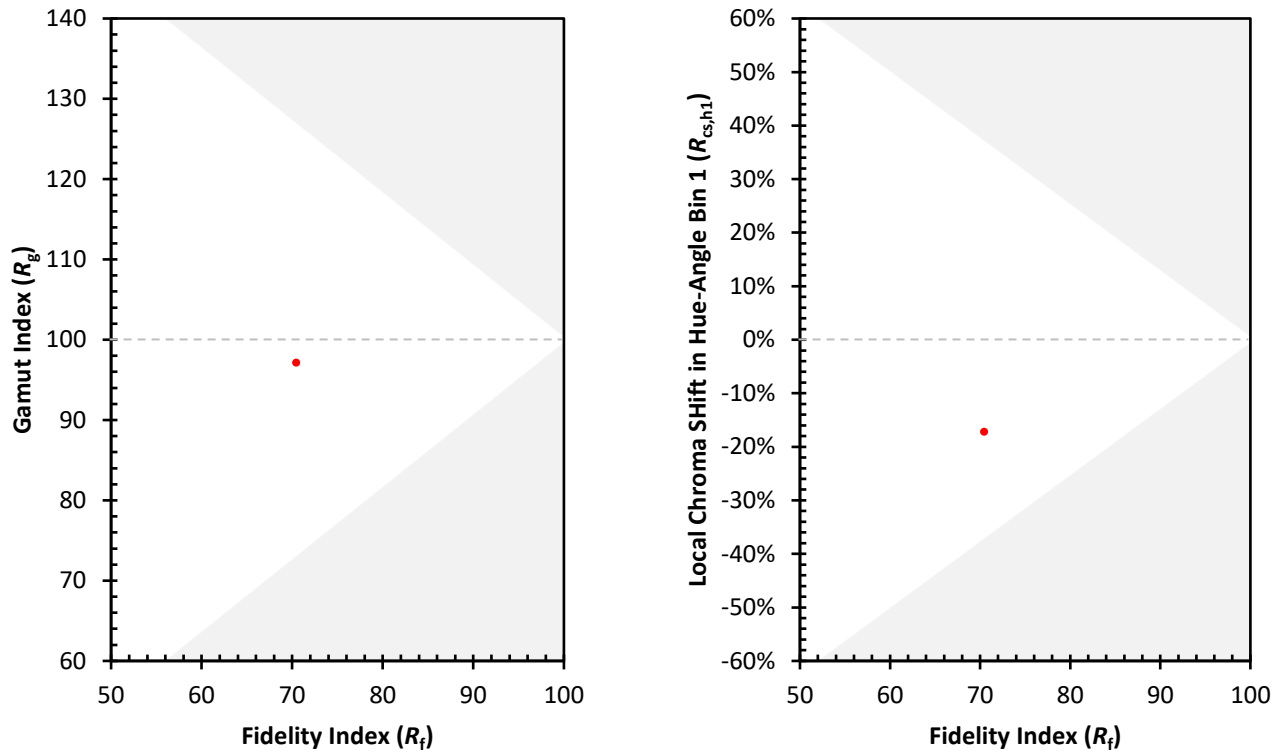
**Individual Sample Fidelity Index ( $R_{f,i}$ )**

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



**Color Rendition by Hue-Angle Bin**


**Measure Comparisons**



(END OF REPORT)