

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: McGRAW-EDISON

Report Number: P991277

Luminaire Tested: **GPC-SA2C-760-U-RBC**

Issue Date: 07/03/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P991277  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 07/03/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GPC-SA2C-760-U-RBC  
Description: GALLEON PEDESTRAIAN COMPANION 1050mA 2xLight Square PACKAGE 70CRI  
5700K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL  
Light Source: (28) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9860 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Luminous Opening: Rectangular (W 1.33' x L: 0.67' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G2

Input Watts (W): 94.9  
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: 24 FT



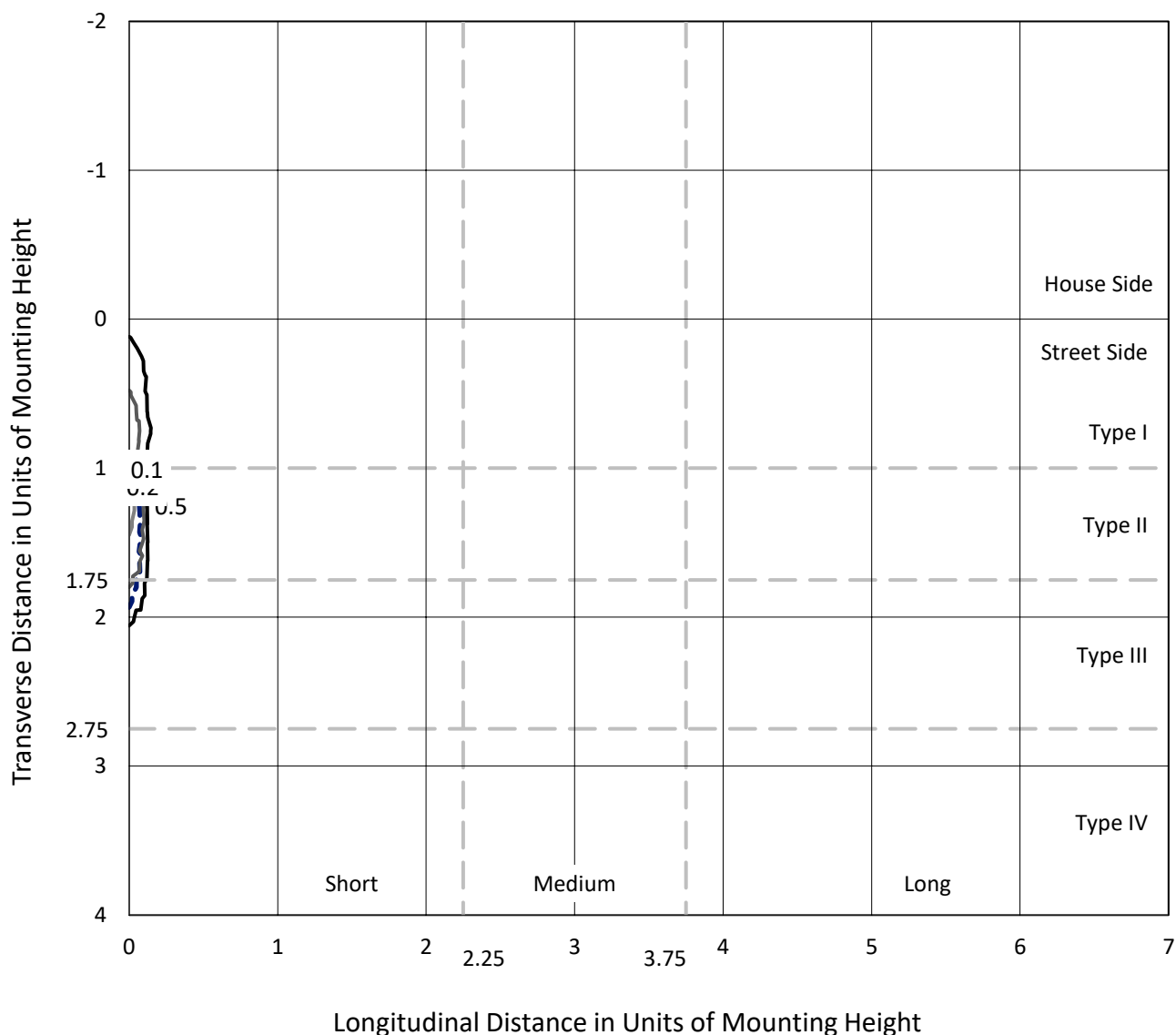
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

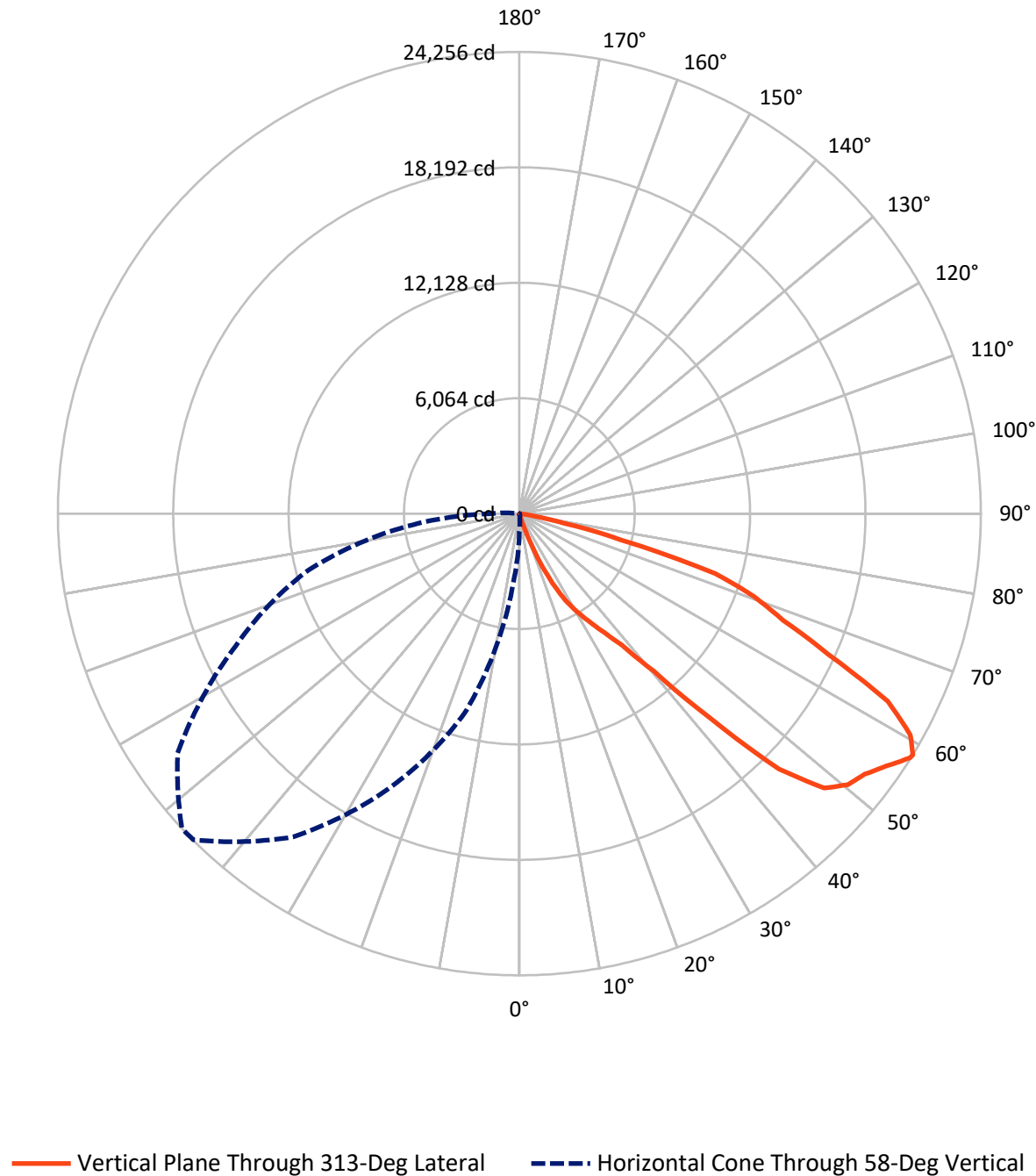


Based on 20 foot mounting height. Maximum calculated value = 0.7 fc

Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 44.1     | 0.0    | 44.1   |
|                    | % Fixture | 0.4      | 0.0    | 0.4    |
| <b>Street Side</b> | Lumens    | 9816.0   | 0.0    | 9816.0 |
|                    | % Fixture | 99.6     | 0.0    | 99.6   |
| <b>Total</b>       | Lumens    | 9860.0   | 0.0    | 9860.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.4    | 0.0       |
| 10°-20°   | 17.1   | 0.2       |
| 20°-30°   | 249.0  | 2.5       |
| 30°-40°   | 715.8  | 7.3       |
| 40°-50°   | 2039.1 | 20.7      |
| 50°-60°   | 3207.5 | 32.5      |
| 60°-70°   | 2735.3 | 27.7      |
| 70°-80°   | 872.5  | 8.8       |
| 80°-90°   | 22.2   | 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°    | 9860.0 | 100.0     |
| 0°-180°   | 9860.0 | 100.0     |

**Coefficient of Utilization**



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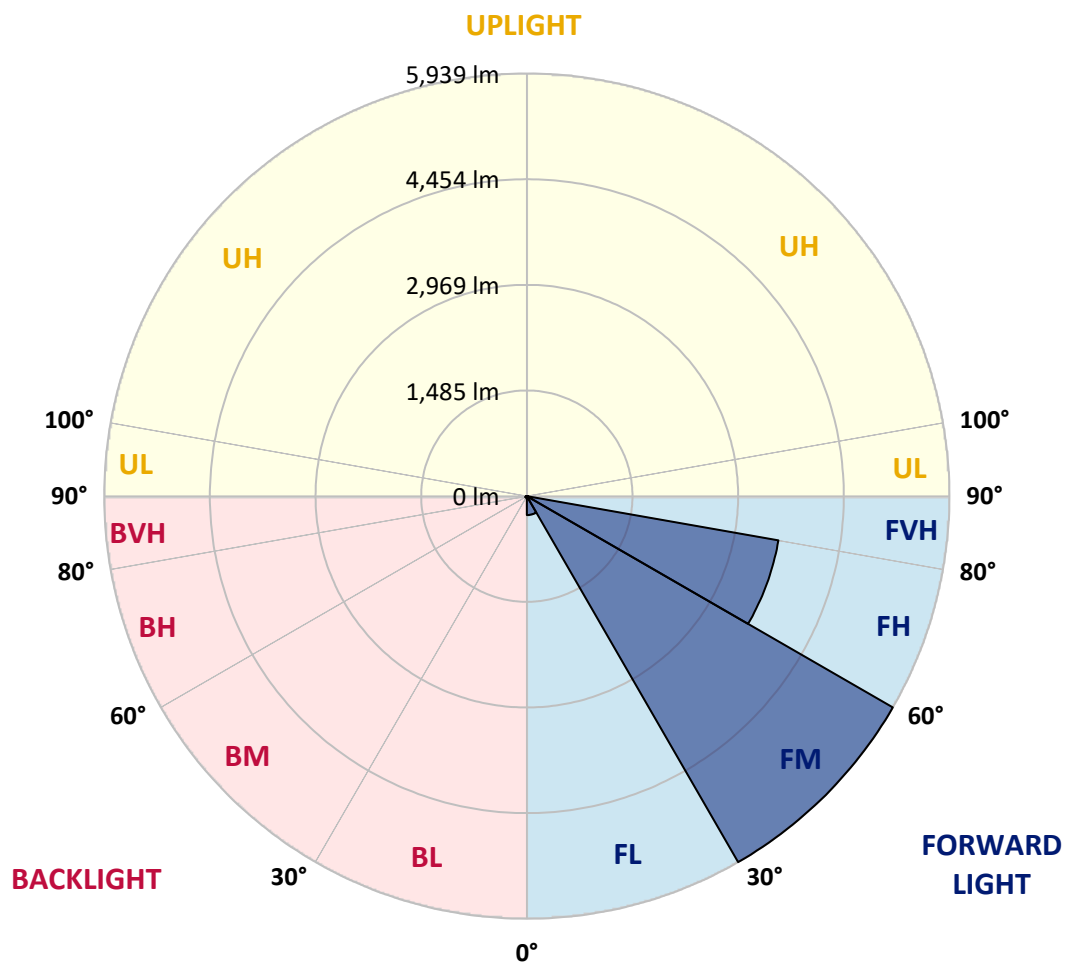
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 265.8  | 2.7       |                         |      |         |
| FM   | (30°-60°)   | 5938.9 | 60.2      |                         |      |         |
| FH   | (60°-80°)   | 3590.3 | 36.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 21.0   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1.8    | 0.0       | B0/110                  |      |         |
| BM   | (30°-60°)   | 23.6   | 0.2       | B0/220                  |      |         |
| BH   | (60°-80°)   | 17.5   | 0.2       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.2    | 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-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°    | 15°   | 25°  | 35°  | 45°  | 47°  | 55°  | 65°  | 75°  | 85°  |
|-------|--------|-------|-------|------|------|------|------|------|------|------|------|
| 0°    | 13.8   | 13.8  | 13.8  | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 |
| 2.5°  | 35.5   | 37.5  | 39.5  | 37.5 | 33.5 | 25.7 | 25.7 | 19.7 | 13.8 | 7.9  | 5.9  |
| 5°    | 39.5   | 39.5  | 39.5  | 37.5 | 33.5 | 25.7 | 23.7 | 17.8 | 11.8 | 7.9  | 3.9  |
| 7.5°  | 43.4   | 43.4  | 41.4  | 37.5 | 31.6 | 25.7 | 23.7 | 17.8 | 11.8 | 5.9  | 0.0  |
| 10°   | 47.4   | 47.4  | 43.4  | 39.5 | 31.6 | 23.7 | 21.7 | 15.8 | 9.9  | 3.9  | 0.0  |
| 12.5° | 53.3   | 51.3  | 45.4  | 39.5 | 31.6 | 21.7 | 21.7 | 15.8 | 7.9  | 2.0  | 0.0  |
| 15°   | 61.2   | 55.3  | 47.4  | 39.5 | 29.6 | 21.7 | 19.7 | 13.8 | 5.9  | 0.0  | 0.0  |
| 17.5° | 67.1   | 61.2  | 49.3  | 37.5 | 27.6 | 19.7 | 17.8 | 11.8 | 5.9  | 0.0  | 0.0  |
| 20°   | 73.0   | 63.1  | 49.3  | 37.5 | 27.6 | 17.8 | 15.8 | 9.9  | 2.0  | 0.0  | 0.0  |
| 22.5° | 82.9   | 67.1  | 49.3  | 37.5 | 25.7 | 15.8 | 13.8 | 7.9  | 0.0  | 0.0  | 0.0  |
| 25°   | 102.6  | 71.0  | 49.3  | 35.5 | 23.7 | 13.8 | 11.8 | 3.9  | 0.0  | 0.0  | 0.0  |
| 27.5° | 126.3  | 77.0  | 49.3  | 33.5 | 21.7 | 11.8 | 9.9  | 2.0  | 0.0  | 0.0  | 0.0  |
| 30°   | 151.9  | 82.9  | 49.3  | 33.5 | 19.7 | 9.9  | 7.9  | 0.0  | 0.0  | 0.0  | 0.0  |
| 32.5° | 179.6  | 90.8  | 49.3  | 31.6 | 17.8 | 7.9  | 5.9  | 0.0  | 0.0  | 0.0  | 0.0  |
| 35°   | 230.9  | 102.6 | 49.3  | 31.6 | 15.8 | 5.9  | 3.9  | 0.0  | 0.0  | 0.0  | 0.0  |
| 37.5° | 254.6  | 118.4 | 49.3  | 29.6 | 15.8 | 3.9  | 2.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 40°   | 264.4  | 114.5 | 47.4  | 29.6 | 13.8 | 2.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 42.5° | 286.1  | 106.6 | 49.3  | 27.6 | 13.8 | 2.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 45°   | 349.3  | 106.6 | 53.3  | 27.6 | 11.8 | 3.9  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 47.5° | 605.8  | 110.5 | 51.3  | 27.6 | 11.8 | 3.9  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 50°   | 996.5  | 130.2 | 49.3  | 29.6 | 13.8 | 2.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 52.5° | 1156.4 | 157.9 | 49.3  | 31.6 | 17.8 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 55°   | 1109.0 | 193.4 | 49.3  | 33.5 | 21.7 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 57.5° | 1008.4 | 183.5 | 53.3  | 39.5 | 27.6 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 58°   | 970.9  | 183.5 | 53.3  | 39.5 | 27.6 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 60°   | 761.7  | 187.5 | 61.2  | 43.4 | 29.6 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 62.5° | 566.3  | 191.4 | 69.1  | 49.3 | 29.6 | 2.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 65°   | 420.3  | 199.3 | 73.0  | 57.2 | 27.6 | 3.9  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 67.5° | 335.5  | 205.2 | 78.9  | 63.1 | 31.6 | 7.9  | 2.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 70°   | 288.1  | 197.3 | 84.9  | 65.1 | 29.6 | 11.8 | 5.9  | 0.0  | 0.0  | 0.0  | 0.0  |
| 72.5° | 256.5  | 185.5 | 96.7  | 63.1 | 31.6 | 11.8 | 5.9  | 0.0  | 0.0  | 0.0  | 0.0  |
| 75°   | 230.9  | 169.7 | 110.5 | 61.2 | 31.6 | 11.8 | 7.9  | 0.0  | 0.0  | 0.0  | 0.0  |
| 77.5° | 173.7  | 148.0 | 108.5 | 59.2 | 29.6 | 11.8 | 7.9  | 0.0  | 0.0  | 0.0  | 0.0  |
| 80°   | 86.8   | 98.7  | 94.7  | 53.3 | 23.7 | 9.9  | 7.9  | 2.0  | 0.0  | 0.0  | 0.0  |
| 82.5° | 35.5   | 37.5  | 47.4  | 39.5 | 19.7 | 7.9  | 7.9  | 2.0  | 0.0  | 0.0  | 0.0  |
| 85°   | 3.9    | 7.9   | 13.8  | 15.8 | 13.8 | 7.9  | 7.9  | 2.0  | 0.0  | 0.0  | 0.0  |
| 87.5° | 0.0    | 2.0   | 7.9   | 11.8 | 9.9  | 5.9  | 3.9  | 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  |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 |
| 2.5°  | 3.9  | 3.9  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  |
| 5°    | 2.0  | 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  |

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**CANDELA DISTRIBUTION (continued):**

|       | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265°  | 270°   | 275°   |
|-------|------|------|------|------|------|------|------|------|-------|--------|--------|
| 0°    | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8  | 13.8   | 13.8   |
| 2.5°  | 2.0  | 3.9  | 3.9  | 3.9  | 5.9  | 5.9  | 7.9  | 9.9  | 9.9   | 9.9    | 11.8   |
| 5°    | 0.0  | 0.0  | 2.0  | 2.0  | 3.9  | 5.9  | 7.9  | 11.8 | 13.8  | 13.8   | 15.8   |
| 7.5°  | 0.0  | 0.0  | 0.0  | 2.0  | 3.9  | 5.9  | 7.9  | 11.8 | 15.8  | 17.8   | 19.7   |
| 10°   | 0.0  | 0.0  | 0.0  | 0.0  | 2.0  | 3.9  | 7.9  | 13.8 | 19.7  | 23.7   | 27.6   |
| 12.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.0  | 7.9  | 15.8 | 23.7  | 29.6   | 33.5   |
| 15°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.0  | 7.9  | 15.8 | 29.6  | 35.5   | 43.4   |
| 17.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.9  | 17.8 | 33.5  | 43.4   | 59.2   |
| 20°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5.9  | 17.8 | 37.5  | 53.3   | 88.8   |
| 22.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 5.9  | 17.8 | 41.4  | 69.1   | 163.8  |
| 25°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.9  | 17.8 | 47.4  | 102.6  | 272.3  |
| 27.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.9  | 19.7 | 57.2  | 144.1  | 398.6  |
| 30°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.9  | 19.7 | 71.0  | 195.4  | 556.5  |
| 32.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.0  | 19.7 | 82.9  | 246.7  | 757.7  |
| 35°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.8 | 98.7  | 327.6  | 951.1  |
| 37.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.8 | 122.3 | 361.1  | 1114.9 |
| 40°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15.8 | 116.4 | 392.7  | 1302.4 |
| 42.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.8 | 106.6 | 438.1  | 1596.4 |
| 45°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 17.8 | 106.6 | 580.2  | 2247.6 |
| 47.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15.8 | 130.2 | 903.8  | 3435.5 |
| 50°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 11.8 | 167.7 | 1387.2 | 4891.8 |
| 52.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 9.9  | 203.2 | 1706.9 | 5736.4 |
| 55°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 9.9  | 244.7 | 1708.9 | 5708.8 |
| 57.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 11.8 | 272.3 | 1529.3 | 5152.3 |
| 58°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 13.8 | 270.3 | 1480.0 | 4998.4 |
| 60°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 2.0  | 19.7 | 236.8 | 1284.6 | 4363.0 |
| 62.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 7.9  | 31.6 | 207.2 | 921.5  | 3617.1 |
| 65°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15.8 | 35.5 | 189.4 | 668.9  | 2715.3 |
| 67.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 19.7 | 41.4 | 181.5 | 473.6  | 1888.4 |
| 70°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 23.7 | 47.4 | 167.7 | 339.4  | 1243.2 |
| 72.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 23.7 | 59.2 | 157.9 | 266.4  | 749.9  |
| 75°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 23.7 | 75.0 | 138.1 | 217.1  | 402.6  |
| 77.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 23.7 | 80.9 | 114.5 | 157.9  | 244.7  |
| 80°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 21.7 | 73.0 | 82.9  | 69.1   | 82.9   |
| 82.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 11.8 | 43.4 | 17.8  | 17.8   | 27.6   |
| 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: P991277

CATALOG NUMBER: GPC-SA2C-760-U-RBC

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 313°    | 315°    | 325°    | 335°    | 345°    | 355°   | 360°   |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0°    | 13.8    | 13.8    | 13.8    | 13.8    | 13.8    | 13.8    | 13.8    | 13.8    | 13.8   | 13.8   |
| 2.5°  | 13.8    | 13.8    | 13.8    | 13.8    | 15.8    | 15.8    | 21.7    | 27.6    | 33.5   | 35.5   |
| 5°    | 17.8    | 19.7    | 21.7    | 21.7    | 21.7    | 23.7    | 27.6    | 31.6    | 37.5   | 39.5   |
| 7.5°  | 25.7    | 27.6    | 31.6    | 31.6    | 31.6    | 33.5    | 35.5    | 39.5    | 43.4   | 43.4   |
| 10°   | 33.5    | 39.5    | 41.4    | 43.4    | 45.4    | 45.4    | 45.4    | 47.4    | 49.3   | 47.4   |
| 12.5° | 45.4    | 53.3    | 63.1    | 65.1    | 65.1    | 65.1    | 63.1    | 59.2    | 55.3   | 53.3   |
| 15°   | 63.1    | 86.8    | 118.4   | 130.2   | 124.3   | 110.5   | 96.7    | 75.0    | 65.1   | 61.2   |
| 17.5° | 116.4   | 236.8   | 430.2   | 475.6   | 465.7   | 400.6   | 234.8   | 114.5   | 77.0   | 67.1   |
| 20°   | 313.8   | 765.6   | 1262.9  | 1383.3  | 1446.4  | 1197.8  | 692.6   | 266.4   | 94.7   | 73.0   |
| 22.5° | 676.8   | 1590.5  | 2464.7  | 2776.4  | 2796.2  | 2249.6  | 1347.8  | 540.7   | 136.2  | 82.9   |
| 25°   | 1089.3  | 2543.6  | 3735.5  | 4037.4  | 4043.3  | 3467.1  | 2154.8  | 876.1   | 207.2  | 102.6  |
| 27.5° | 1669.4  | 3565.8  | 4899.7  | 5150.3  | 5146.4  | 4562.3  | 3113.9  | 1337.9  | 290.1  | 126.3  |
| 30°   | 2263.4  | 4363.0  | 5667.3  | 5979.1  | 6008.7  | 5310.2  | 3915.0  | 1884.5  | 378.9  | 151.9  |
| 32.5° | 2851.4  | 4953.0  | 6367.8  | 6782.2  | 6756.6  | 5971.2  | 4473.5  | 2332.4  | 530.8  | 179.6  |
| 35°   | 3315.1  | 5456.2  | 7143.3  | 7652.5  | 7672.2  | 6697.4  | 4968.8  | 2766.6  | 661.1  | 230.9  |
| 37.5° | 3711.8  | 6105.4  | 8175.4  | 8763.4  | 8789.1  | 7601.2  | 5487.7  | 3192.8  | 773.5  | 254.6  |
| 40°   | 4201.2  | 7171.0  | 9884.3  | 10882.7 | 10886.7 | 9286.3  | 6421.1  | 3670.3  | 925.5  | 264.4  |
| 42.5° | 5300.3  | 9454.1  | 13223.1 | 14657.7 | 14782.0 | 12783.0 | 8542.4  | 4706.3  | 1164.2 | 286.1  |
| 45°   | 7498.5  | 12463.4 | 17481.5 | 19133.1 | 19291.0 | 17134.2 | 12179.2 | 7098.0  | 1689.1 | 349.3  |
| 47.5° | 10113.2 | 15080.0 | 19956.0 | 21546.5 | 21651.0 | 19192.3 | 14614.3 | 9864.5  | 2875.1 | 605.8  |
| 50°   | 11721.4 | 16048.8 | 20865.7 | 22383.1 | 22400.9 | 19869.2 | 15377.9 | 11301.1 | 4096.6 | 996.5  |
| 52.5° | 12220.6 | 16173.2 | 20901.2 | 22736.4 | 22787.7 | 19790.2 | 15482.5 | 11591.2 | 4605.7 | 1156.4 |
| 55°   | 12017.4 | 16100.2 | 21276.1 | 23411.2 | 23466.5 | 20111.9 | 15411.5 | 11273.5 | 4366.9 | 1109.0 |
| 57.5° | 11553.7 | 16384.3 | 21891.8 | 24212.4 | 24212.4 | 20705.8 | 15673.9 | 10740.7 | 3782.8 | 1008.4 |
| 58°   | 11484.6 | 16455.3 | 21925.3 | 24255.8 | 24238.0 | 20743.3 | 15782.5 | 10663.7 | 3654.6 | 970.9  |
| 60°   | 11389.9 | 16674.4 | 21676.7 | 23614.5 | 23563.2 | 20478.9 | 15979.8 | 10594.6 | 3033.0 | 761.7  |
| 62.5° | 11251.8 | 16181.1 | 19865.2 | 21728.0 | 21595.8 | 18626.0 | 15413.4 | 10190.1 | 2263.4 | 566.3  |
| 65°   | 10543.3 | 14359.7 | 16559.9 | 17850.5 | 17809.0 | 15322.7 | 13266.5 | 9128.5  | 1629.9 | 420.3  |
| 67.5° | 8887.7  | 11241.9 | 13377.0 | 14932.0 | 14941.8 | 12508.7 | 10375.6 | 7295.3  | 1109.0 | 335.5  |
| 70°   | 6251.4  | 8291.8  | 11372.1 | 13102.7 | 13181.6 | 10492.0 | 7686.0  | 4862.2  | 732.1  | 288.1  |
| 72.5° | 3733.5  | 6263.3  | 9456.1  | 10770.3 | 10728.8 | 8706.2  | 5702.8  | 2898.8  | 446.0  | 256.5  |
| 75°   | 1809.5  | 3743.4  | 4779.3  | 5543.0  | 5511.4  | 4355.1  | 3038.9  | 1420.8  | 325.6  | 230.9  |
| 77.5° | 491.4   | 1150.4  | 1851.0  | 2407.4  | 2472.5  | 1744.4  | 996.5   | 380.8   | 203.2  | 173.7  |
| 80°   | 165.8   | 355.2   | 603.8   | 820.9   | 842.6   | 753.8   | 374.9   | 134.2   | 88.8   | 86.8   |
| 82.5° | 63.1    | 86.8    | 110.5   | 98.7    | 98.7    | 102.6   | 80.9    | 57.2    | 41.4   | 35.5   |
| 85°   | 0.0     | 0.0     | 2.0     | 3.9     | 3.9     | 5.9     | 5.9     | 5.9     | 3.9    | 3.9    |
| 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           |

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**CIE 1931 Chromaticity Diagram**



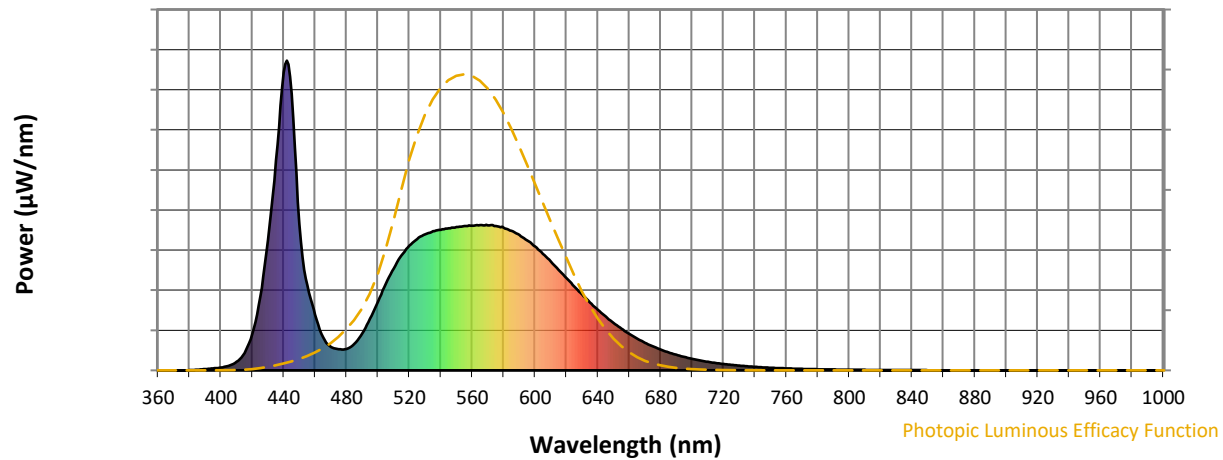
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

### Photopic Flux vs. Wavelength



### Photopic Lumens: NR

| λ (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

### Scotopic Flux vs. Wavelength



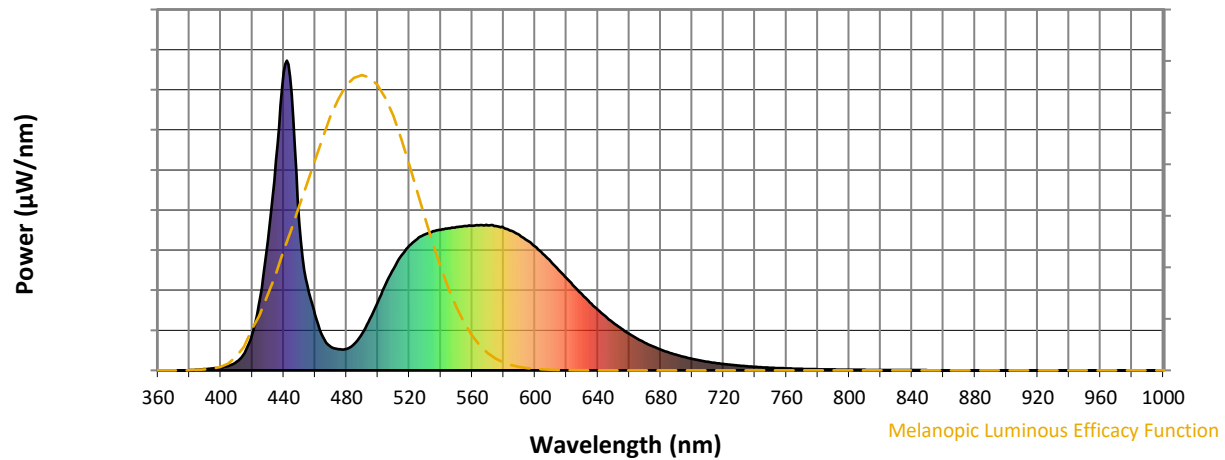
Scotopic Lumens: NR

S/P: 1.84

| λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</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

### 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                             |                   |                                      |                                |

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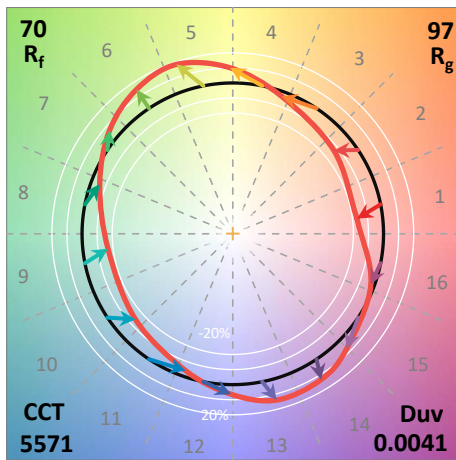
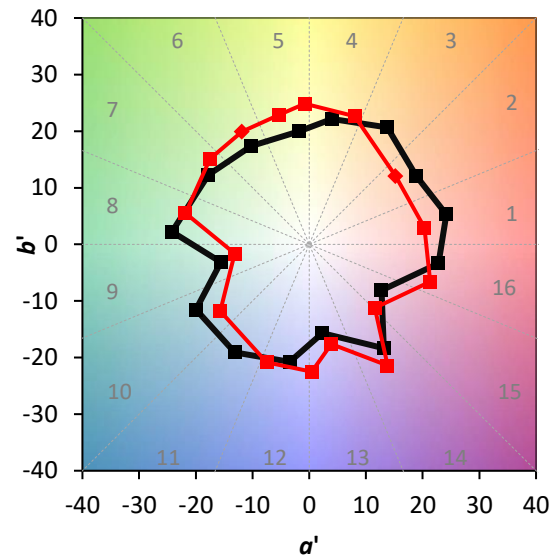
TM-30-18

### Summary

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

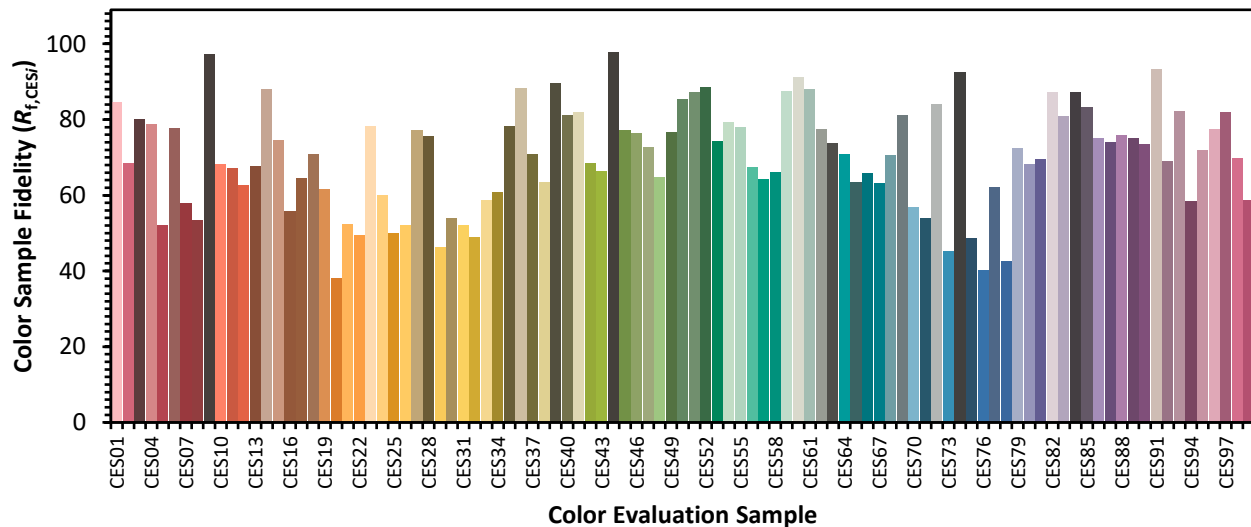


### Color Vector Graphics

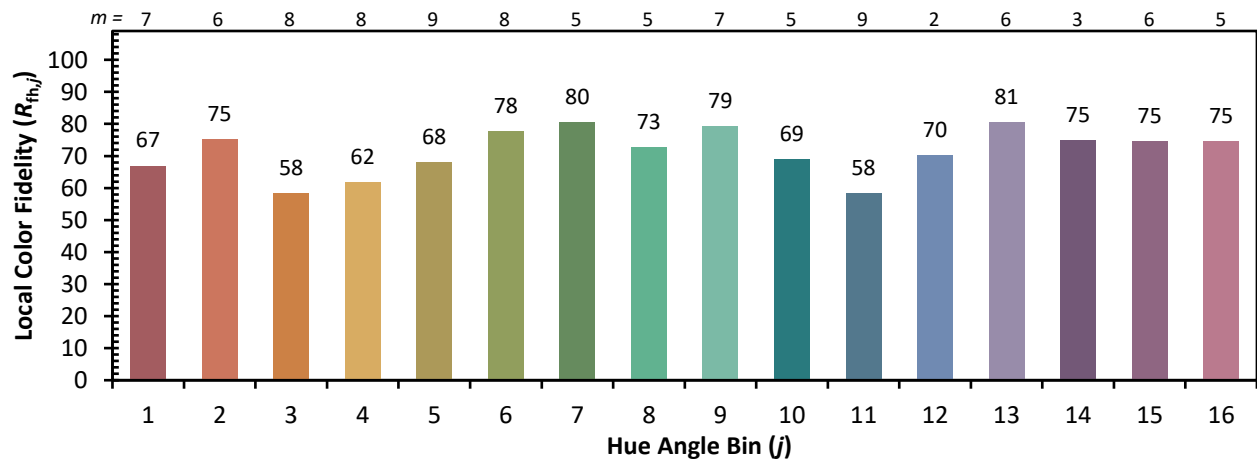
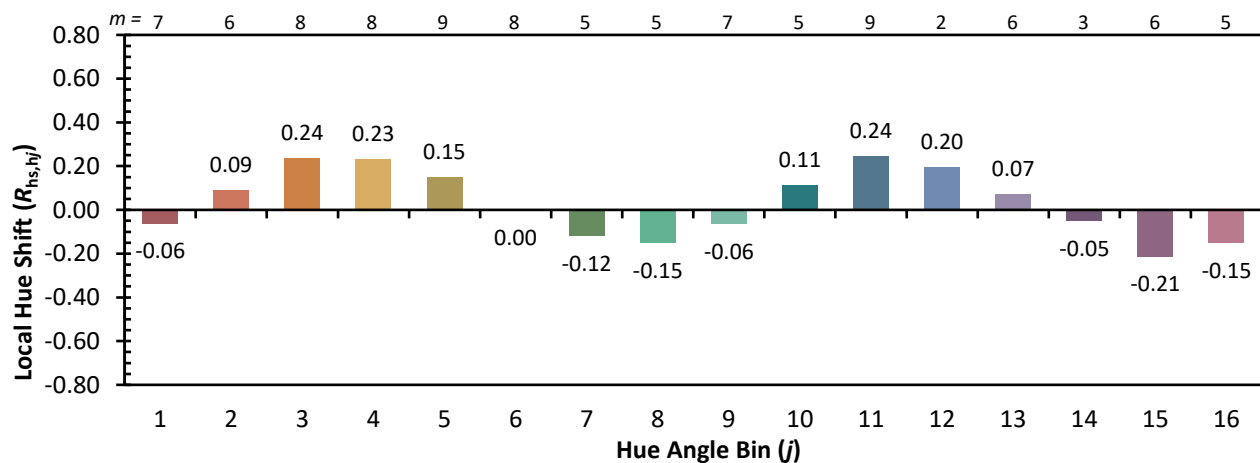
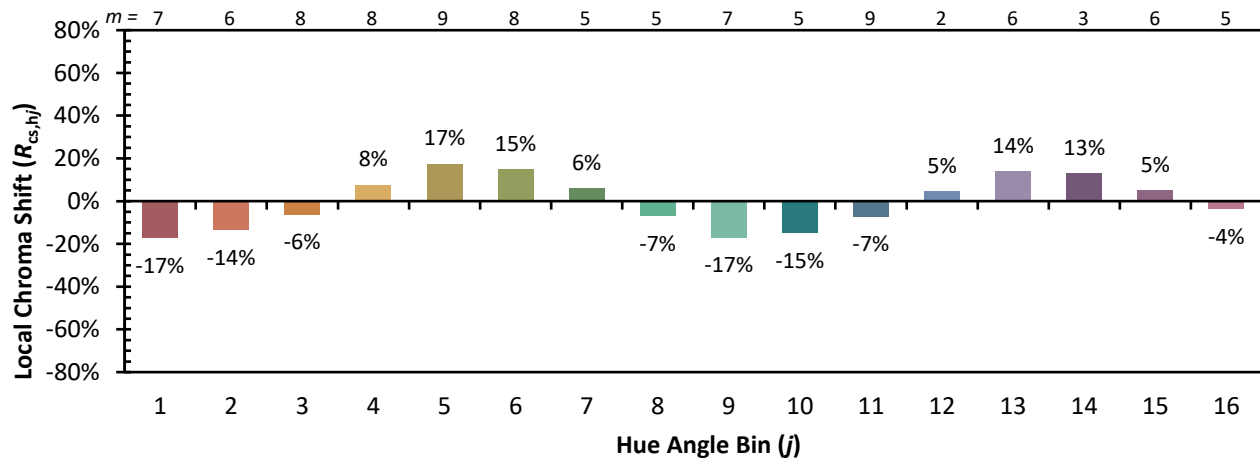


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

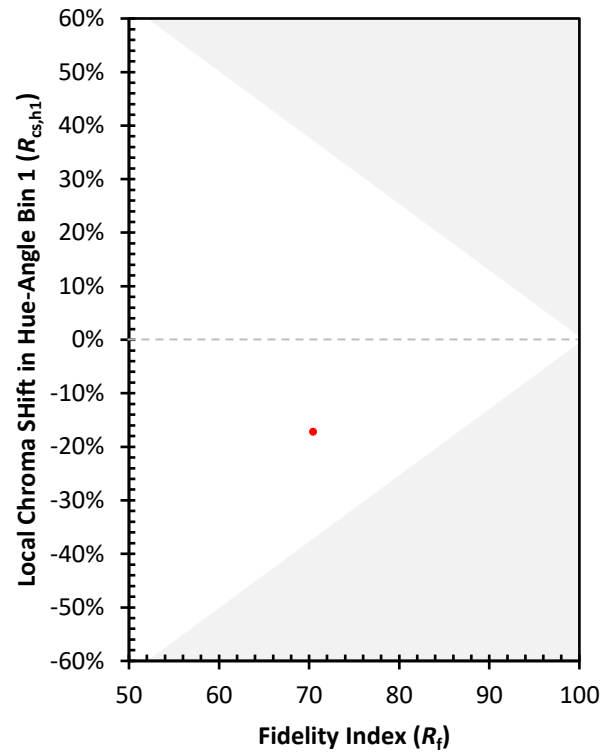
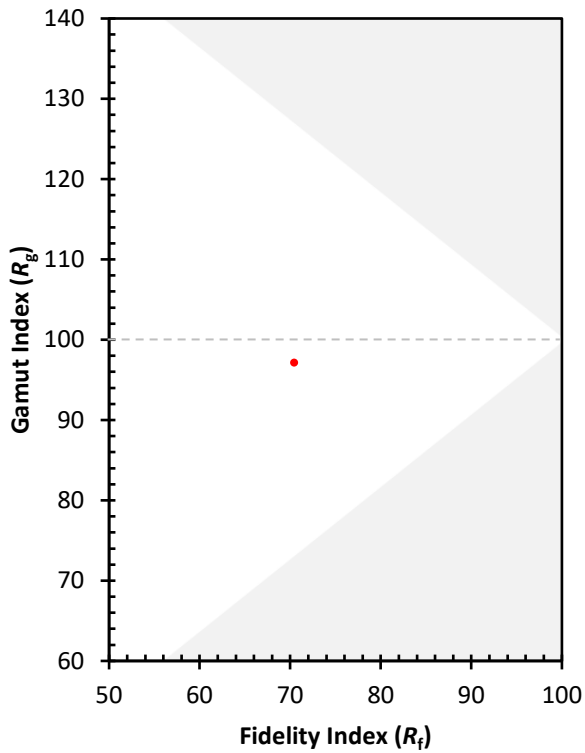
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 52 | CES51 = 87 | CES76 = 40 |
| CES02 = 59 | CES27 = 77 | CES52 = 88 | CES77 = 62 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 43 |
| CES04 = 68 | CES29 = 46 | CES54 = 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)