

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: P1066820

Luminaire Tested: **NVN-SA2D-760-U-LBC**

Issue Date: 08/07/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1066820  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 08/07/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SA2D-760-U-LBC  
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE  
70CRI 5700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL  
Light Source: (28) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10600.3 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G2

Input Watts (W): 107  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.97  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



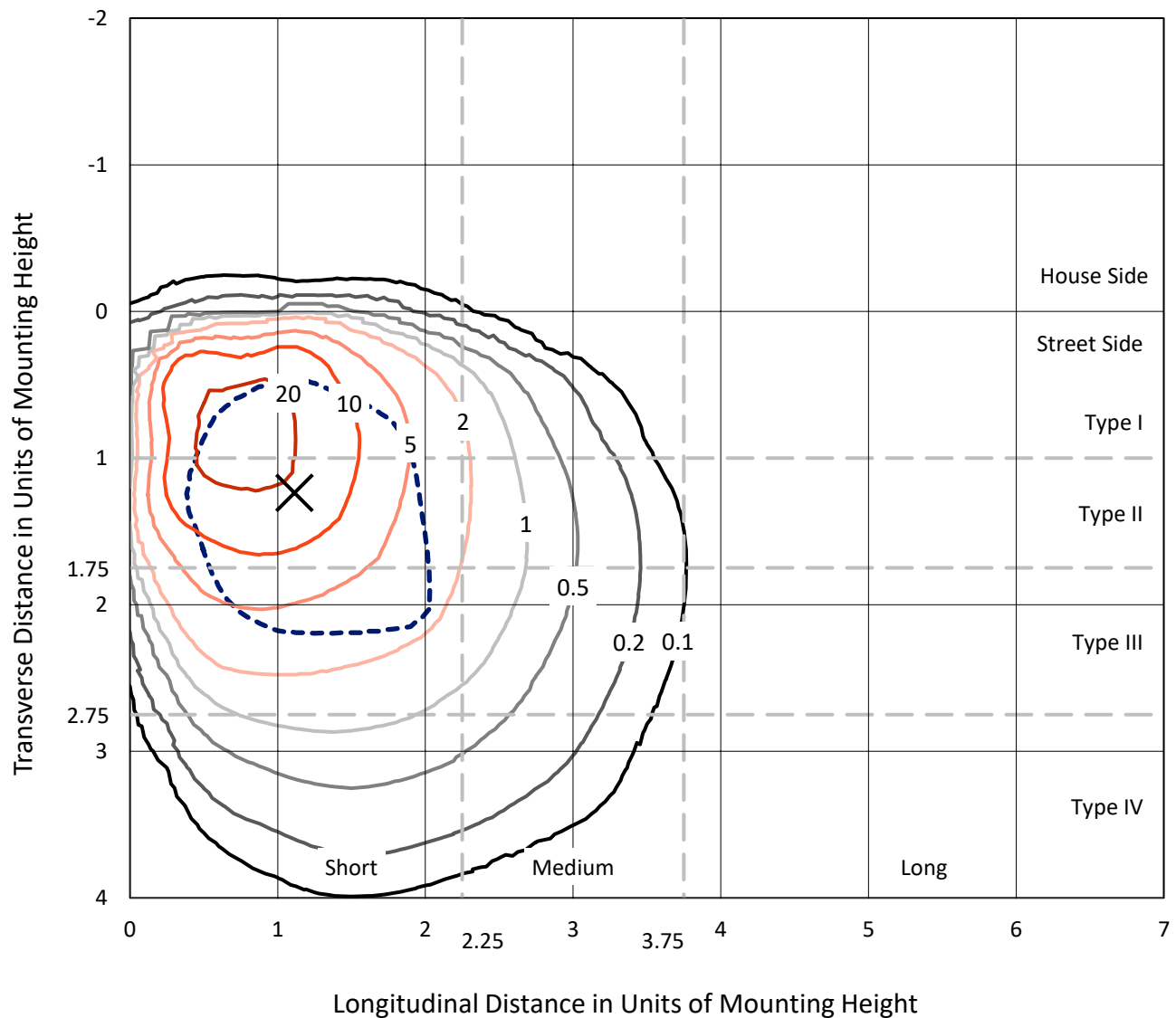
REPORT NUMBER: P1066820

CATALOG NUMBER: NVN-SA2D-760-U-LBC

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

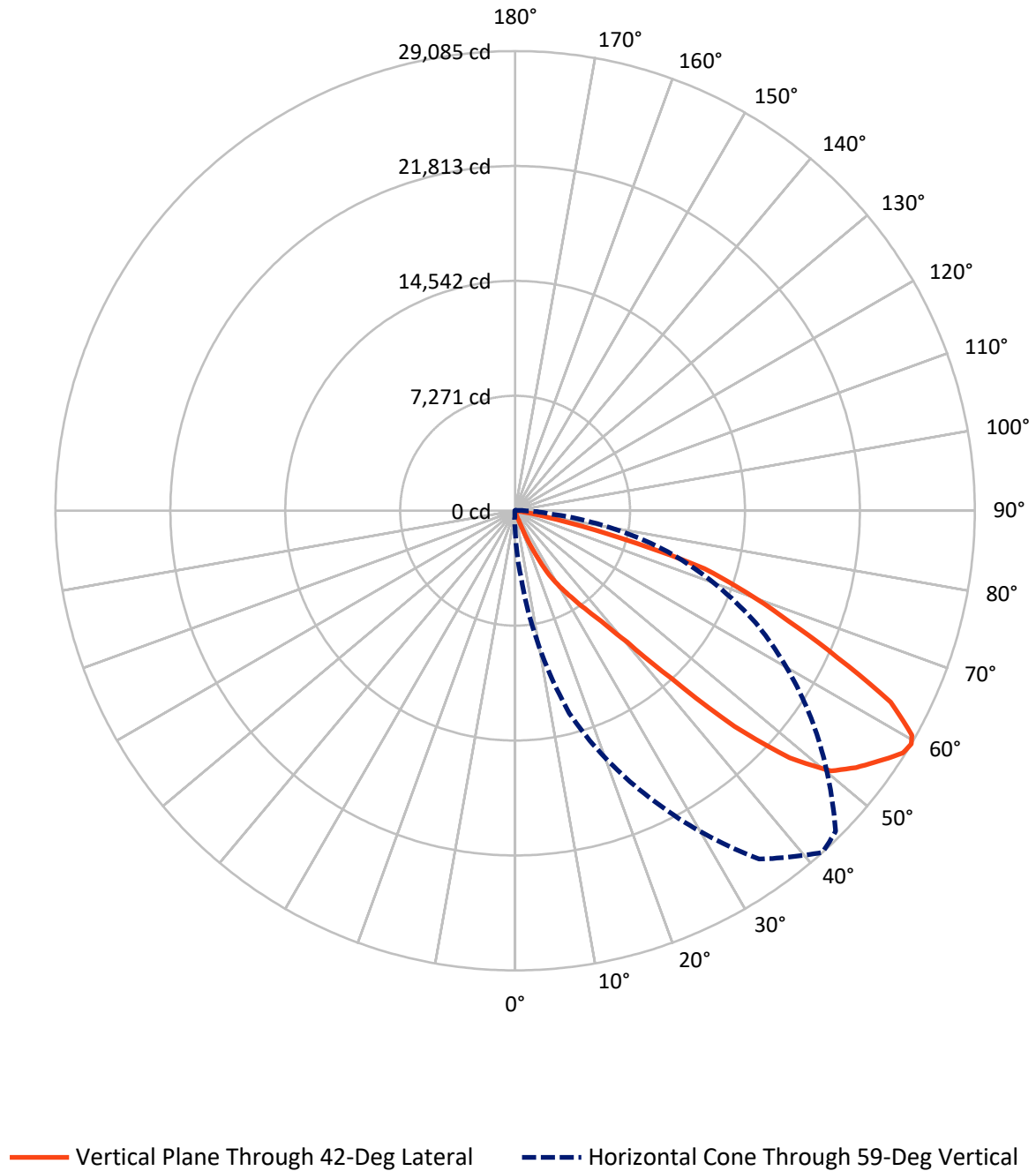


Based on 15 foot mounting height. Maximum calculated value = 31.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P1066820

CATALOG NUMBER: NVN-SA2D-760-U-LBC

## Luminous Intensity Polar Plot



REPORT NUMBER: P1066820

CATALOG NUMBER: NVN-SA2D-760-U-LBC

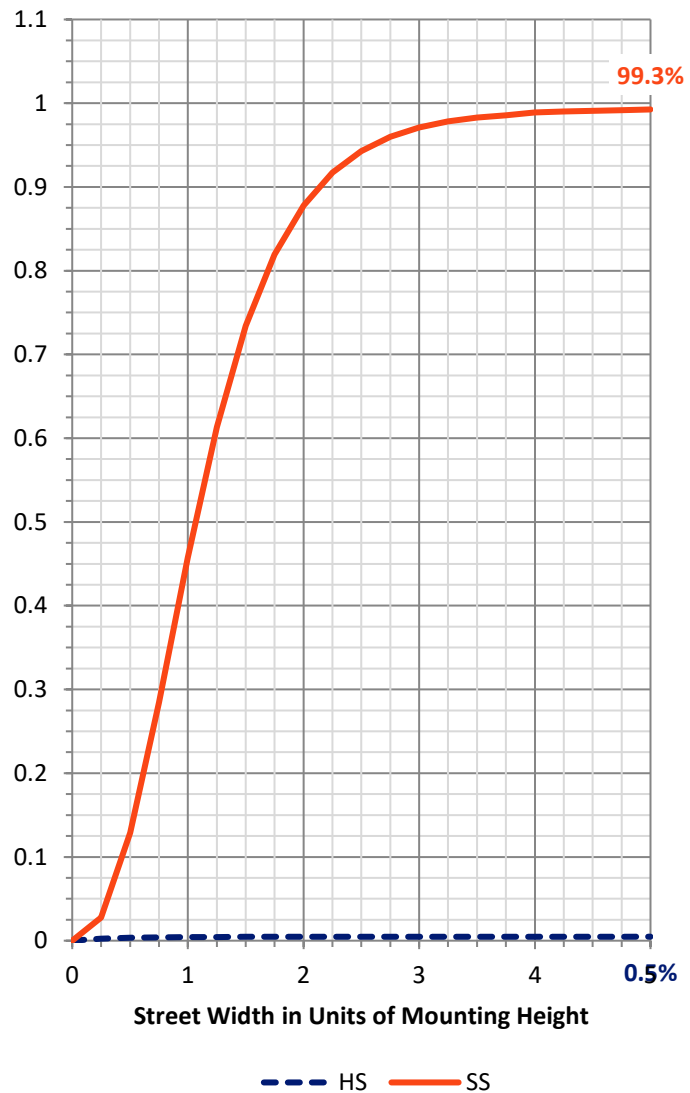
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 51.1     | 0.0    | 51.1    |
|                    | % Fixture | 0.5      | 0.0    | 0.5     |
| <b>Street Side</b> | Lumens    | 10549.2  | 0.0    | 10549.2 |
|                    | % Fixture | 99.5     | 0.0    | 99.5    |
| <b>Total</b>       | Lumens    | 10600.3  | 0.0    | 10600.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 3.1     | 0.0       |
| 10°-20°   | 15.5    | 0.1       |
| 20°-30°   | 197.7   | 1.9       |
| 30°-40°   | 666.6   | 6.3       |
| 40°-50°   | 2013.5  | 19.0      |
| 50°-60°   | 3554.3  | 33.5      |
| 60°-70°   | 3129.6  | 29.5      |
| 70°-80°   | 996.2   | 9.4       |
| 80°-90°   | 23.8    | 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°    | 10600.3 | 100.0     |
| 0°-180°   | 10600.3 | 100.0     |



REPORT NUMBER: P1066820

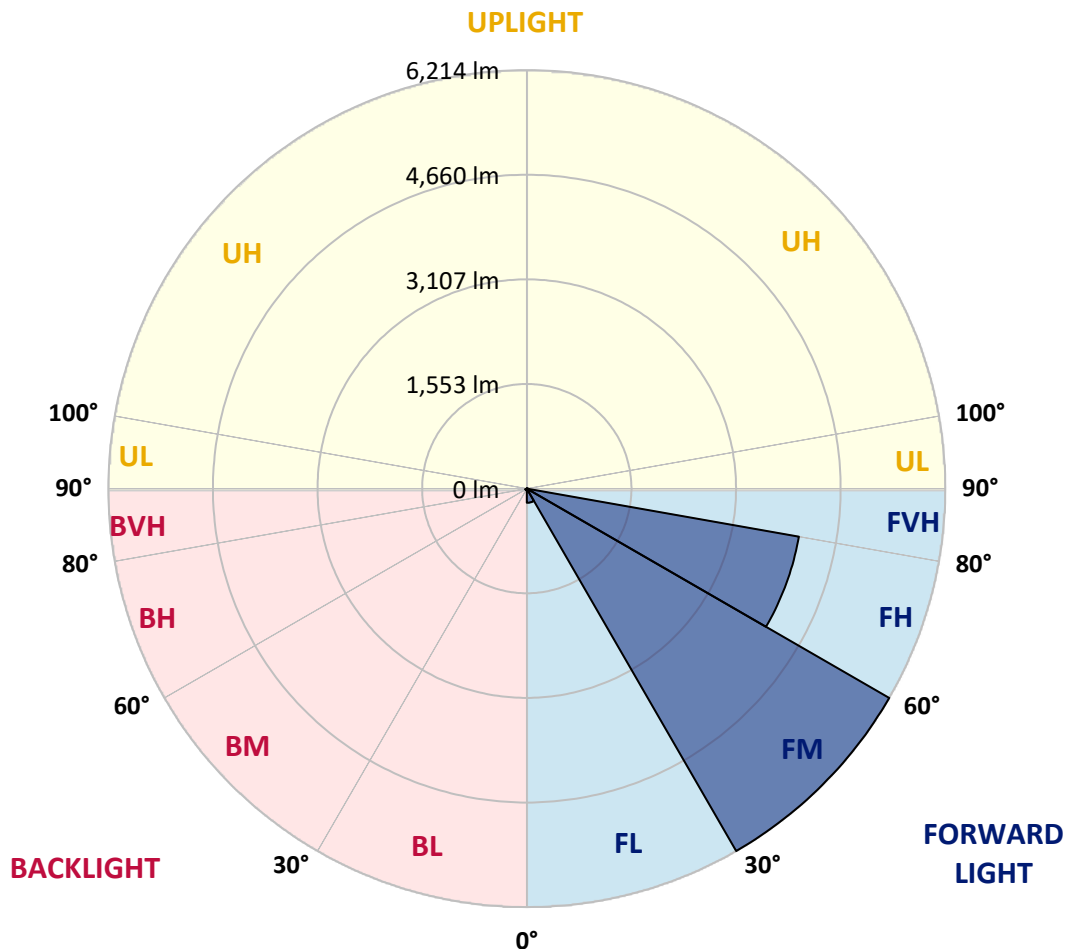
CATALOG NUMBER: NVN-SA2D-760-U-LBC

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 210.6  | 2.0       |                         |      |         |
| FM   | (30°-60°)   | 6213.6 | 58.6      |                         |      |         |
| FH   | (60°-80°)   | 4102.4 | 38.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 22.7   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 5.7    | 0.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 20.9   | 0.2       | B0/220                  |      |         |
| BH   | (60°-80°)   | 23.4   | 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



REPORT NUMBER: P1066820

CATALOG NUMBER: NVN-SA2D-760-U-LBC

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°     | 25°     | 35°     | 42°     | 45°     | 55°     | 65°     | 75°     | 85°    |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 29.9   | 29.9   | 29.9    | 29.9    | 29.9    | 29.9    | 29.9    | 29.9    | 29.9    | 29.9    | 29.9   |
| 2.5°  | 46.5   | 46.5   | 43.2    | 39.9    | 36.6    | 33.2    | 33.2    | 33.2    | 29.9    | 29.9    | 26.6   |
| 5°    | 53.2   | 53.2   | 49.9    | 46.5    | 46.5    | 43.2    | 43.2    | 39.9    | 36.6    | 36.6    | 33.2   |
| 7.5°  | 56.5   | 56.5   | 56.5    | 56.5    | 53.2    | 53.2    | 53.2    | 49.9    | 46.5    | 43.2    | 39.9   |
| 10°   | 59.8   | 63.1   | 66.5    | 66.5    | 66.5    | 66.5    | 66.5    | 63.1    | 56.5    | 53.2    | 46.5   |
| 12.5° | 66.5   | 69.8   | 76.4    | 83.1    | 83.1    | 86.4    | 83.1    | 79.8    | 73.1    | 63.1    | 53.2   |
| 15°   | 73.1   | 79.8   | 89.7    | 103.0   | 116.3   | 119.6   | 119.6   | 109.7   | 96.4    | 76.4    | 63.1   |
| 17.5° | 83.1   | 93.1   | 119.6   | 162.9   | 209.4   | 245.9   | 245.9   | 219.4   | 152.9   | 99.7    | 73.1   |
| 20°   | 89.7   | 109.7  | 192.8   | 392.2   | 598.2   | 751.1   | 721.2   | 638.1   | 342.3   | 156.2   | 79.8   |
| 22.5° | 99.7   | 139.6  | 408.8   | 1030.3  | 1595.3  | 1874.5  | 1808.0  | 1372.6  | 767.7   | 279.2   | 96.4   |
| 25°   | 113.0  | 202.7  | 810.9   | 1931.0  | 2964.6  | 3267.1  | 3223.9  | 2562.5  | 1399.2  | 468.6   | 123.0  |
| 27.5° | 139.6  | 299.1  | 1299.5  | 2928.1  | 4373.8  | 4633.0  | 4616.4  | 3752.3  | 2236.8  | 754.4   | 159.5  |
| 30°   | 176.1  | 435.4  | 1927.7  | 3978.3  | 5307.7  | 5570.3  | 5487.2  | 4623.1  | 3017.8  | 1153.3  | 206.1  |
| 32.5° | 219.4  | 608.2  | 2496.0  | 4752.7  | 6168.5  | 6514.2  | 6414.5  | 5380.8  | 3645.9  | 1492.3  | 305.8  |
| 35°   | 285.8  | 777.7  | 3057.7  | 5437.3  | 7162.3  | 7601.0  | 7434.8  | 6161.9  | 4187.7  | 1874.5  | 368.9  |
| 37.5° | 319.1  | 877.4  | 3572.8  | 6181.8  | 8279.0  | 8877.2  | 8750.9  | 7149.0  | 4739.4  | 2363.1  | 452.0  |
| 40°   | 322.4  | 997.1  | 4107.9  | 7152.3  | 9857.7  | 10924.5 | 10698.5 | 8844.0  | 5766.4  | 2991.2  | 581.6  |
| 42.5° | 332.4  | 1176.5 | 4802.5  | 8807.4  | 12958.6 | 14490.7 | 14234.8 | 11961.5 | 8096.2  | 4250.8  | 824.2  |
| 45°   | 378.9  | 1515.5 | 6218.4  | 11901.7 | 17216.0 | 19462.8 | 19167.0 | 16305.4 | 11350.0 | 6620.5  | 1405.9 |
| 47.5° | 541.7  | 2280.0 | 8701.1  | 15241.8 | 21569.9 | 23361.3 | 23288.2 | 19728.7 | 14298.0 | 9050.1  | 2383.0 |
| 50°   | 870.8  | 3499.7 | 11526.1 | 18050.3 | 24341.8 | 25880.6 | 25697.8 | 21157.8 | 15979.7 | 10708.5 | 3054.4 |
| 52.5° | 1163.2 | 4666.3 | 13300.9 | 19083.9 | 25169.3 | 27003.9 | 26781.2 | 21679.6 | 16421.7 | 11197.1 | 3240.5 |
| 55°   | 1236.4 | 5088.4 | 13829.3 | 19402.9 | 25717.7 | 27954.5 | 27632.1 | 22028.6 | 16478.2 | 10848.1 | 2931.4 |
| 57.5° | 1199.8 | 4689.5 | 13487.0 | 19715.4 | 26482.1 | 28931.6 | 28502.8 | 22709.9 | 16667.7 | 10256.5 | 2439.5 |
| 59°   | 1136.7 | 4197.7 | 13274.3 | 19964.6 | 26904.2 | 29084.5 | 28682.3 | 22859.4 | 16793.9 | 9987.3  | 2140.4 |
| 60°   | 1063.5 | 3865.3 | 13108.1 | 20127.5 | 26877.6 | 28845.2 | 28429.7 | 22789.6 | 16843.8 | 9754.6  | 1997.5 |
| 62.5° | 820.9  | 3084.3 | 12868.8 | 20011.2 | 25199.2 | 26661.6 | 26425.6 | 21081.3 | 16112.6 | 9010.2  | 1575.4 |
| 65°   | 638.1  | 2359.7 | 11991.4 | 17847.5 | 21443.6 | 22427.4 | 22354.3 | 17850.8 | 13560.1 | 7767.2  | 1136.7 |
| 67.5° | 505.2  | 1721.6 | 10140.2 | 14454.2 | 17252.6 | 18651.8 | 18598.6 | 14490.7 | 10293.1 | 5935.9  | 817.6  |
| 70°   | 412.1  | 1226.4 | 6952.9  | 10898.0 | 13799.4 | 15560.9 | 15484.5 | 11662.4 | 7627.6  | 3765.6  | 594.9  |
| 72.5° | 349.0  | 784.4  | 4217.6  | 8215.8  | 11516.1 | 12523.2 | 12300.5 | 9409.0  | 5547.0  | 2050.6  | 471.9  |
| 75°   | 295.8  | 481.9  | 2090.5  | 5121.6  | 6859.8  | 6853.2  | 6630.5  | 4982.0  | 2977.9  | 1003.7  | 375.6  |
| 77.5° | 239.3  | 339.0  | 820.9   | 1405.9  | 2163.6  | 2678.8  | 2635.6  | 1764.8  | 890.7   | 292.5   | 232.6  |
| 80°   | 156.2  | 159.5  | 219.4   | 385.5   | 594.9   | 658.1   | 747.8   | 538.4   | 259.2   | 139.6   | 96.4   |
| 82.5° | 69.8   | 76.4   | 99.7    | 126.3   | 126.3   | 116.3   | 103.0   | 76.4    | 56.5    | 46.5    | 23.3   |
| 85°   | 16.6   | 23.3   | 16.6    | 19.9    | 16.6    | 13.3    | 13.3    | 6.6     | 0.0     | 0.0     | 0.0    |
| 87.5° | 3.3    | 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: P1066820

CATALOG NUMBER: NVN-SA2D-760-U-LBC

**CANDELA DISTRIBUTION (continued):**

|       | 90°   | 95°   | 105°  | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 0°    | 29.9  | 29.9  | 29.9  | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 2.5°  | 26.6  | 26.6  | 26.6  | 23.3 | 23.3 | 23.3 | 19.9 | 19.9 | 19.9 | 16.6 | 16.6 |
| 5°    | 33.2  | 29.9  | 26.6  | 26.6 | 23.3 | 23.3 | 19.9 | 16.6 | 16.6 | 16.6 | 13.3 |
| 7.5°  | 36.6  | 33.2  | 29.9  | 26.6 | 23.3 | 19.9 | 19.9 | 16.6 | 13.3 | 13.3 | 13.3 |
| 10°   | 43.2  | 39.9  | 33.2  | 26.6 | 23.3 | 19.9 | 16.6 | 16.6 | 13.3 | 10.0 | 10.0 |
| 12.5° | 49.9  | 43.2  | 36.6  | 29.9 | 23.3 | 19.9 | 16.6 | 16.6 | 13.3 | 10.0 | 6.6  |
| 15°   | 56.5  | 49.9  | 39.9  | 29.9 | 23.3 | 19.9 | 16.6 | 16.6 | 10.0 | 6.6  | 3.3  |
| 17.5° | 63.1  | 53.2  | 39.9  | 33.2 | 23.3 | 19.9 | 16.6 | 13.3 | 6.6  | 3.3  | 0.0  |
| 20°   | 66.5  | 56.5  | 43.2  | 33.2 | 23.3 | 19.9 | 16.6 | 10.0 | 3.3  | 0.0  | 0.0  |
| 22.5° | 73.1  | 63.1  | 46.5  | 33.2 | 23.3 | 16.6 | 10.0 | 3.3  | 0.0  | 0.0  | 0.0  |
| 25°   | 86.4  | 66.5  | 46.5  | 33.2 | 23.3 | 16.6 | 6.6  | 0.0  | 0.0  | 0.0  | 0.0  |
| 27.5° | 96.4  | 73.1  | 46.5  | 33.2 | 23.3 | 13.3 | 3.3  | 0.0  | 0.0  | 0.0  | 0.0  |
| 30°   | 113.0 | 79.8  | 49.9  | 33.2 | 23.3 | 10.0 | 3.3  | 0.0  | 0.0  | 0.0  | 0.0  |
| 32.5° | 139.6 | 86.4  | 49.9  | 33.2 | 19.9 | 10.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 35°   | 169.5 | 99.7  | 49.9  | 33.2 | 19.9 | 10.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 37.5° | 172.8 | 106.4 | 49.9  | 33.2 | 19.9 | 6.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 40°   | 179.5 | 99.7  | 53.2  | 33.2 | 19.9 | 6.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 42.5° | 206.1 | 93.1  | 56.5  | 33.2 | 19.9 | 6.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 45°   | 305.8 | 96.4  | 56.5  | 36.6 | 19.9 | 10.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 47.5° | 531.8 | 99.7  | 53.2  | 36.6 | 19.9 | 10.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 50°   | 681.3 | 116.3 | 53.2  | 39.9 | 23.3 | 6.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 52.5° | 724.5 | 136.3 | 53.2  | 43.2 | 29.9 | 3.3  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 55°   | 704.6 | 159.5 | 56.5  | 46.5 | 36.6 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 57.5° | 651.4 | 172.8 | 59.8  | 49.9 | 39.9 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 59°   | 594.9 | 182.8 | 69.8  | 53.2 | 39.9 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 60°   | 548.4 | 192.8 | 73.1  | 56.5 | 39.9 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 62.5° | 442.0 | 206.1 | 79.8  | 66.5 | 33.2 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 65°   | 385.5 | 216.0 | 83.1  | 73.1 | 29.9 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 67.5° | 352.3 | 222.7 | 89.7  | 76.4 | 26.6 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 70°   | 325.7 | 219.4 | 96.4  | 73.1 | 23.3 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 72.5° | 295.8 | 209.4 | 116.3 | 66.5 | 19.9 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 75°   | 265.9 | 189.4 | 126.3 | 59.8 | 13.3 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 77.5° | 192.8 | 159.5 | 116.3 | 53.2 | 6.6  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 80°   | 83.1  | 86.4  | 83.1  | 39.9 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 82.5° | 16.6  | 19.9  | 16.6  | 10.0 | 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: P1066820

CATALOG NUMBER: NVN-SA2D-760-U-LBC

**CANDELA DISTRIBUTION (continued):**

|       | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 2.5°  | 16.6 | 16.6 | 16.6 | 16.6 | 19.9 | 19.9 | 26.6 | 33.2 | 39.9 | 43.2 | 43.2 |
| 5°    | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 16.6 | 19.9 | 26.6 | 36.6 | 39.9 | 39.9 |
| 7.5°  | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 16.6 | 23.3 | 33.2 | 36.6 | 39.9 |
| 10°   | 10.0 | 6.6  | 6.6  | 3.3  | 3.3  | 6.6  | 10.0 | 19.9 | 29.9 | 33.2 | 36.6 |
| 12.5° | 6.6  | 3.3  | 3.3  | 0.0  | 0.0  | 3.3  | 6.6  | 16.6 | 26.6 | 29.9 | 33.2 |
| 15°   | 3.3  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 13.3 | 23.3 | 26.6 | 33.2 |
| 17.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10.0 | 19.9 | 26.6 | 29.9 |
| 20°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 6.6  | 16.6 | 23.3 | 26.6 |
| 22.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 13.3 | 19.9 | 23.3 |
| 25°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 10.0 | 13.3 | 16.6 |
| 27.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 6.6  | 10.0 | 13.3 |
| 30°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 6.6  | 10.0 | 13.3 |
| 32.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  | 10.0 |
| 35°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  | 10.0 |
| 37.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  | 6.6  |
| 40°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  |
| 42.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  |
| 45°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  |
| 47.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  |
| 50°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  |
| 52.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 3.3  |
| 55°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 3.3  |
| 57.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  |
| 59°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  |
| 60°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  |
| 62.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  |
| 65°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  |
| 67.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  |
| 70°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  |
| 72.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  |
| 75°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 3.3  |
| 77.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  |
| 80°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 6.6  |
| 82.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 3.3  |
| 85°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 3.3  |
| 87.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 3.3  | 3.3  |
| 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: P1066820

CATALOG NUMBER: NVN-SA2D-760-U-LBC

**CANDELA DISTRIBUTION (continued):**

|       | 285° | 295° | 305° | 315° | 318° | 325° | 335° | 345°  | 355°  | 360°   |
|-------|------|------|------|------|------|------|------|-------|-------|--------|
| 0°    | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9  | 29.9  | 29.9   |
| 2.5°  | 46.5 | 46.5 | 43.2 | 39.9 | 39.9 | 39.9 | 43.2 | 46.5  | 46.5  | 46.5   |
| 5°    | 43.2 | 43.2 | 39.9 | 39.9 | 39.9 | 39.9 | 43.2 | 49.9  | 53.2  | 53.2   |
| 7.5°  | 43.2 | 43.2 | 39.9 | 39.9 | 39.9 | 39.9 | 43.2 | 49.9  | 53.2  | 56.5   |
| 10°   | 39.9 | 39.9 | 39.9 | 39.9 | 36.6 | 39.9 | 43.2 | 49.9  | 59.8  | 59.8   |
| 12.5° | 39.9 | 39.9 | 39.9 | 39.9 | 36.6 | 39.9 | 46.5 | 53.2  | 63.1  | 66.5   |
| 15°   | 39.9 | 39.9 | 39.9 | 36.6 | 36.6 | 39.9 | 46.5 | 56.5  | 66.5  | 73.1   |
| 17.5° | 36.6 | 39.9 | 39.9 | 36.6 | 36.6 | 39.9 | 46.5 | 56.5  | 73.1  | 83.1   |
| 20°   | 33.2 | 36.6 | 39.9 | 36.6 | 36.6 | 36.6 | 46.5 | 56.5  | 76.4  | 89.7   |
| 22.5° | 29.9 | 33.2 | 36.6 | 36.6 | 33.2 | 36.6 | 46.5 | 59.8  | 83.1  | 99.7   |
| 25°   | 26.6 | 29.9 | 29.9 | 33.2 | 33.2 | 36.6 | 46.5 | 59.8  | 86.4  | 113.0  |
| 27.5° | 19.9 | 23.3 | 26.6 | 29.9 | 29.9 | 36.6 | 46.5 | 63.1  | 93.1  | 139.6  |
| 30°   | 16.6 | 19.9 | 23.3 | 26.6 | 29.9 | 36.6 | 46.5 | 63.1  | 99.7  | 176.1  |
| 32.5° | 16.6 | 19.9 | 23.3 | 26.6 | 29.9 | 33.2 | 46.5 | 66.5  | 109.7 | 219.4  |
| 35°   | 13.3 | 16.6 | 19.9 | 26.6 | 26.6 | 33.2 | 46.5 | 66.5  | 119.6 | 285.8  |
| 37.5° | 13.3 | 16.6 | 19.9 | 26.6 | 26.6 | 33.2 | 46.5 | 66.5  | 146.2 | 319.1  |
| 40°   | 10.0 | 13.3 | 16.6 | 26.6 | 26.6 | 33.2 | 49.9 | 69.8  | 149.6 | 322.4  |
| 42.5° | 10.0 | 13.3 | 16.6 | 23.3 | 26.6 | 33.2 | 49.9 | 69.8  | 139.6 | 332.4  |
| 45°   | 10.0 | 13.3 | 16.6 | 26.6 | 29.9 | 36.6 | 49.9 | 73.1  | 136.3 | 378.9  |
| 47.5° | 10.0 | 13.3 | 16.6 | 26.6 | 33.2 | 36.6 | 49.9 | 73.1  | 139.6 | 541.7  |
| 50°   | 10.0 | 13.3 | 16.6 | 26.6 | 36.6 | 36.6 | 49.9 | 73.1  | 152.9 | 870.8  |
| 52.5° | 6.6  | 10.0 | 13.3 | 23.3 | 29.9 | 39.9 | 53.2 | 69.8  | 162.9 | 1163.2 |
| 55°   | 6.6  | 6.6  | 10.0 | 19.9 | 26.6 | 43.2 | 56.5 | 69.8  | 189.4 | 1236.4 |
| 57.5° | 6.6  | 6.6  | 10.0 | 16.6 | 23.3 | 46.5 | 59.8 | 69.8  | 219.4 | 1199.8 |
| 59°   | 6.6  | 6.6  | 6.6  | 16.6 | 19.9 | 46.5 | 59.8 | 73.1  | 222.7 | 1136.7 |
| 60°   | 6.6  | 6.6  | 6.6  | 13.3 | 19.9 | 46.5 | 63.1 | 76.4  | 226.0 | 1063.5 |
| 62.5° | 3.3  | 3.3  | 3.3  | 13.3 | 16.6 | 46.5 | 69.8 | 93.1  | 232.6 | 820.9  |
| 65°   | 6.6  | 6.6  | 3.3  | 10.0 | 16.6 | 39.9 | 79.8 | 99.7  | 236.0 | 638.1  |
| 67.5° | 6.6  | 6.6  | 6.6  | 13.3 | 16.6 | 39.9 | 83.1 | 103.0 | 236.0 | 505.2  |
| 70°   | 6.6  | 6.6  | 6.6  | 13.3 | 19.9 | 39.9 | 83.1 | 106.4 | 232.6 | 412.1  |
| 72.5° | 6.6  | 6.6  | 6.6  | 13.3 | 19.9 | 36.6 | 76.4 | 109.7 | 222.7 | 349.0  |
| 75°   | 6.6  | 6.6  | 6.6  | 10.0 | 16.6 | 33.2 | 73.1 | 119.6 | 202.7 | 295.8  |
| 77.5° | 6.6  | 6.6  | 6.6  | 6.6  | 13.3 | 26.6 | 66.5 | 132.9 | 179.5 | 239.3  |
| 80°   | 10.0 | 6.6  | 6.6  | 6.6  | 10.0 | 23.3 | 63.1 | 129.6 | 149.6 | 156.2  |
| 82.5° | 10.0 | 6.6  | 6.6  | 3.3  | 6.6  | 16.6 | 49.9 | 99.7  | 76.4  | 69.8   |
| 85°   | 6.6  | 6.6  | 6.6  | 3.3  | 3.3  | 10.0 | 23.3 | 29.9  | 23.3  | 16.6   |
| 87.5° | 6.6  | 6.6  | 6.6  | 3.3  | 3.3  | 3.3  | 3.3  | 3.3   | 3.3   | 3.3    |
| 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

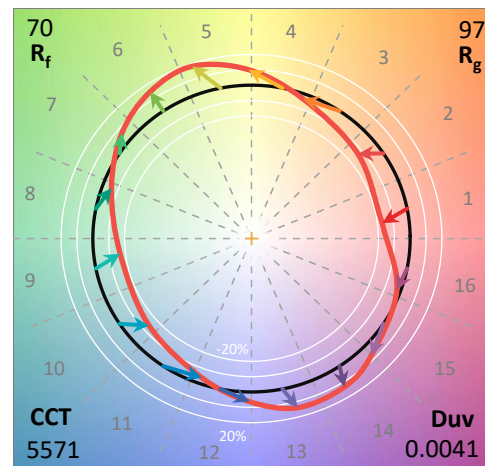
Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

### 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

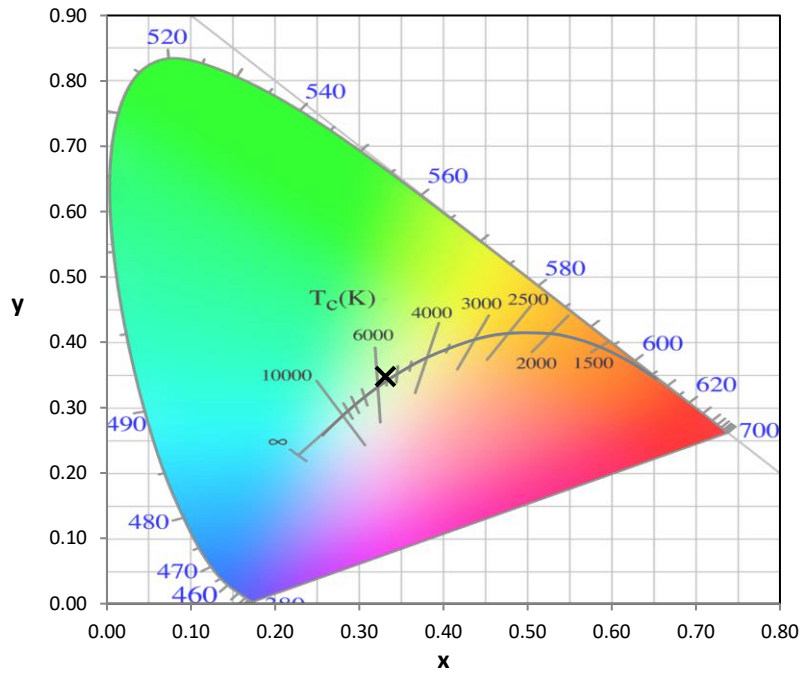
Stabilization Time: 20M  
 Operation Time: 1H 20M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-7

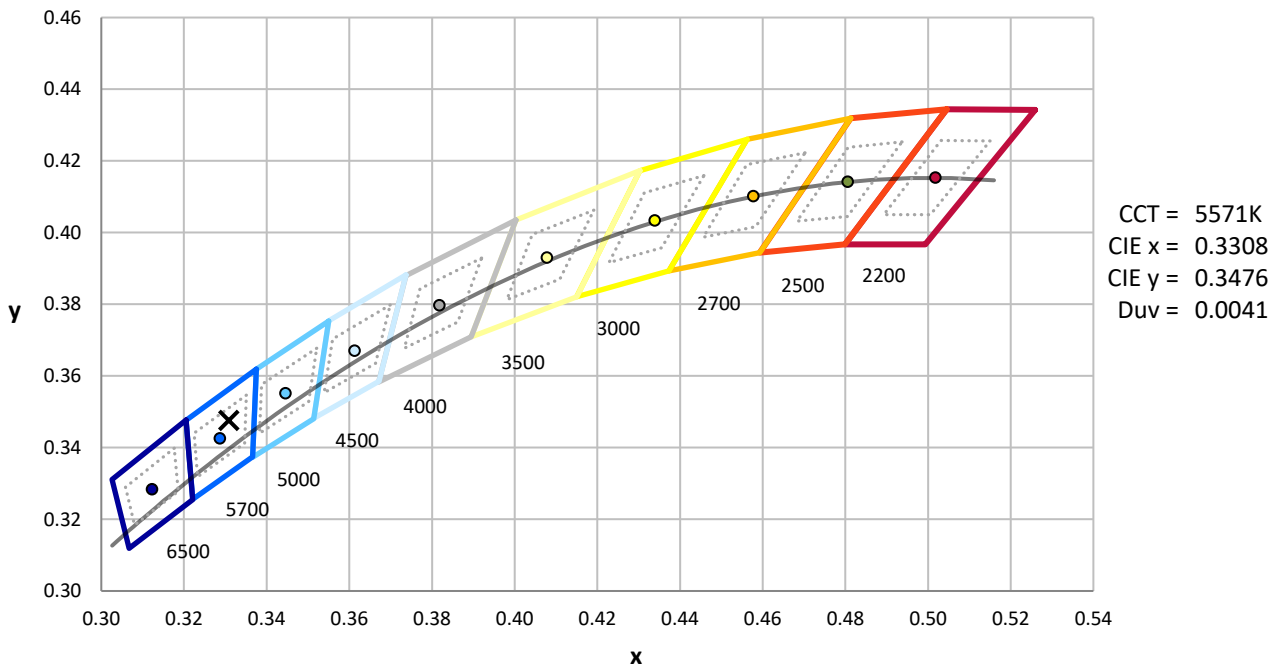
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| 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**



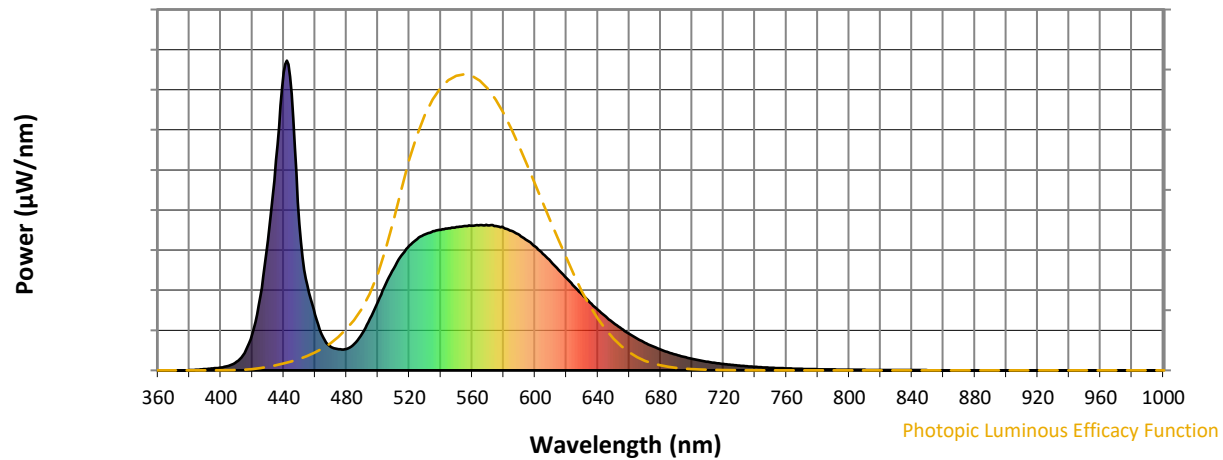
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

### Photopic Flux vs. Wavelength

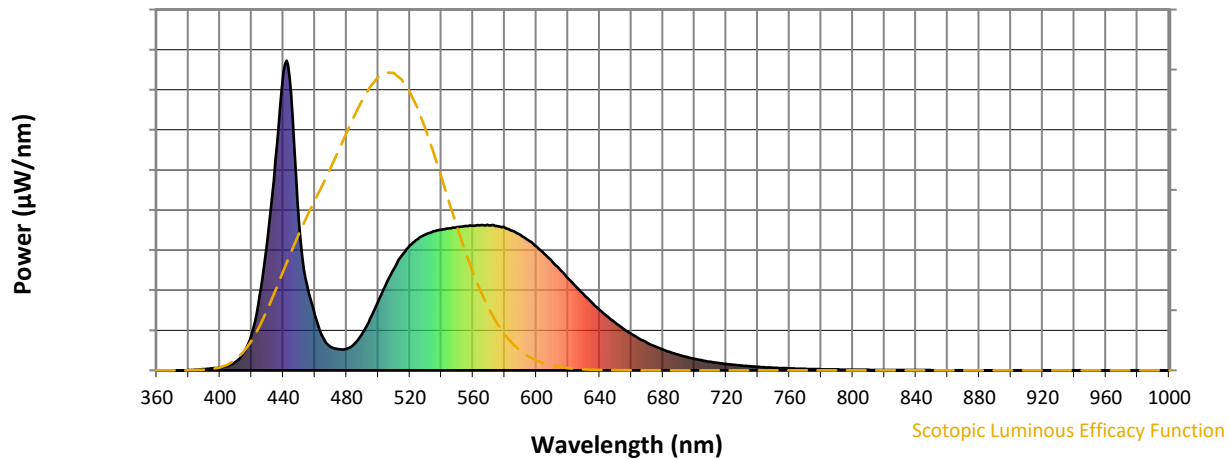


### Photopic Lumens: NR

| 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

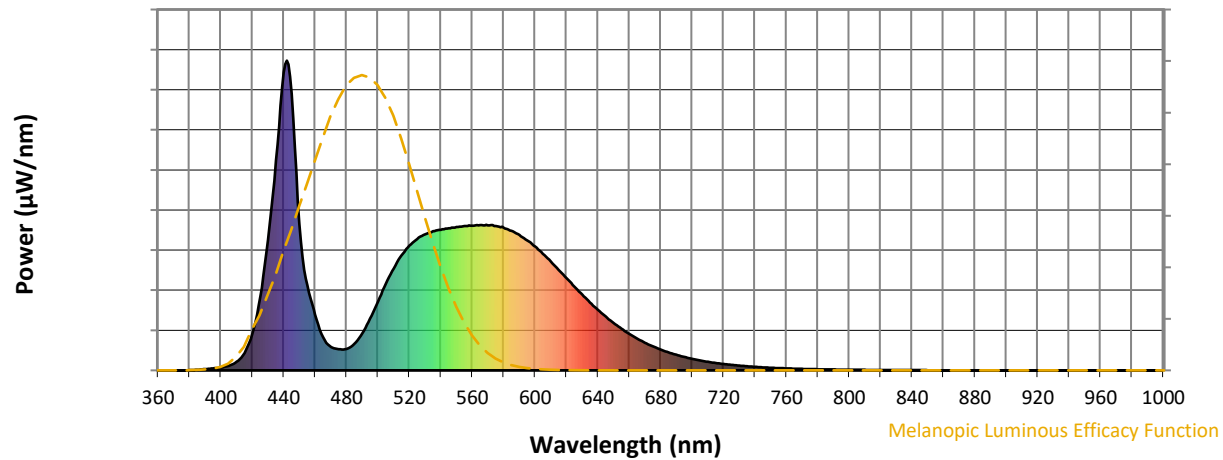
S/P: 1.84

| 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

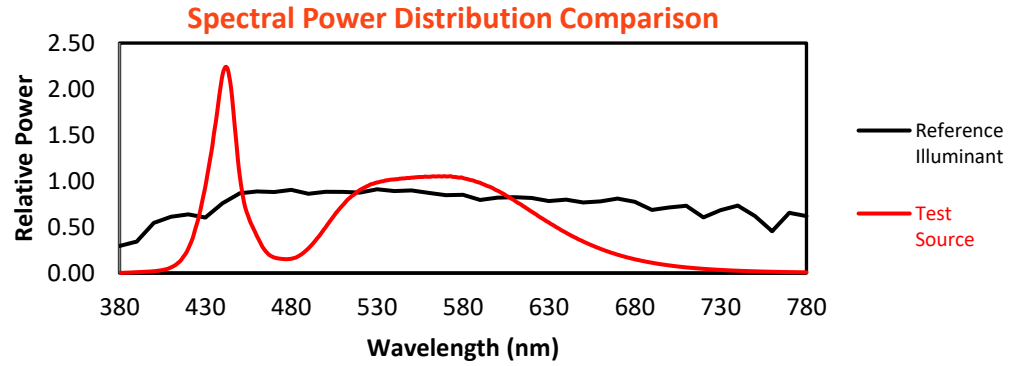
| $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<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

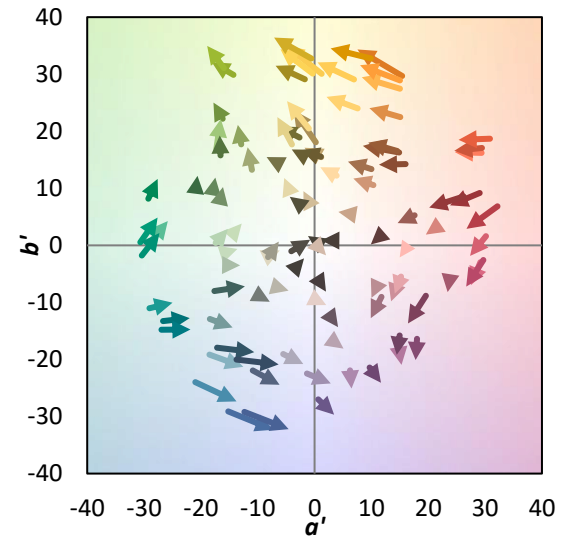
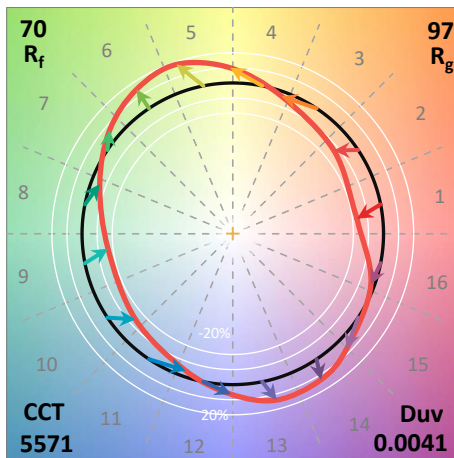
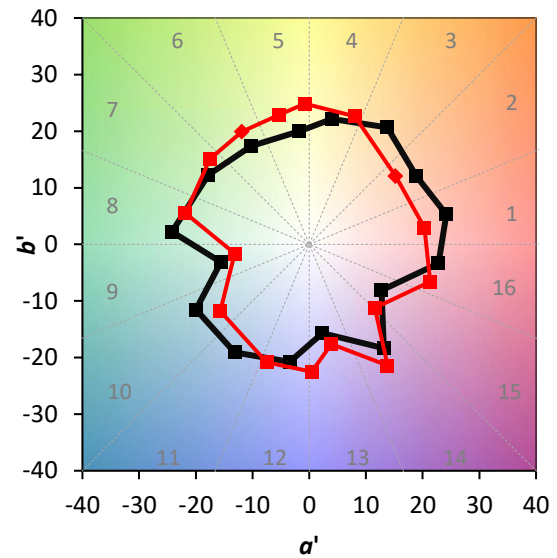
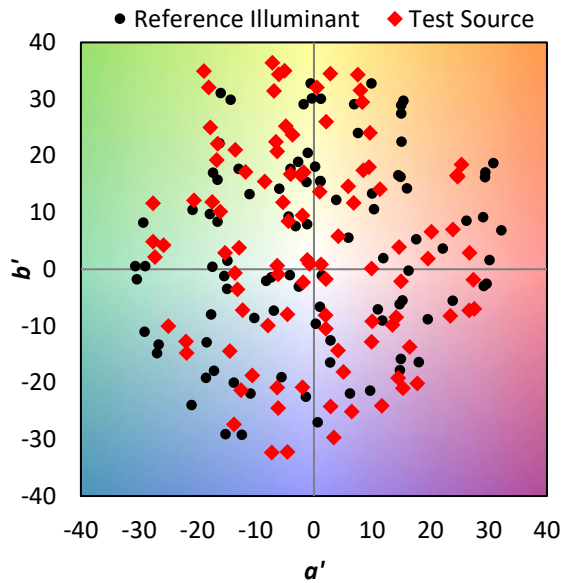
TM-30-18

### Summary

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

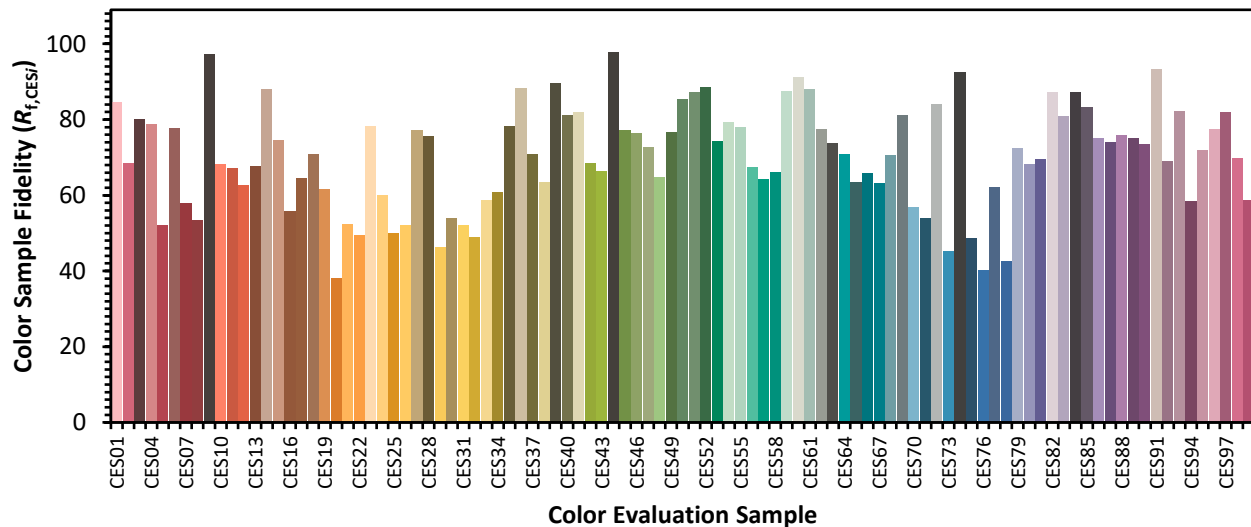


### Color Vector Graphics

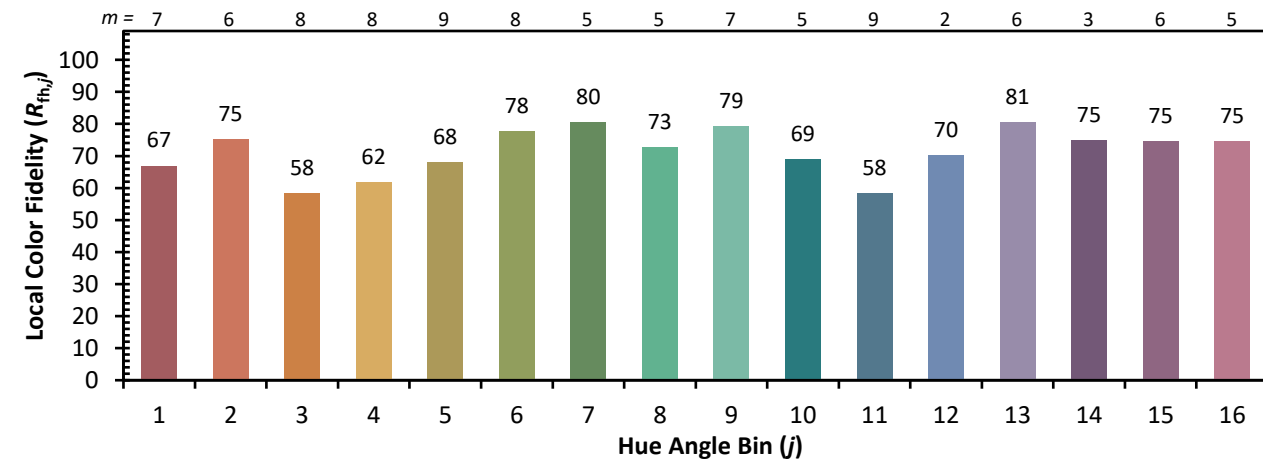
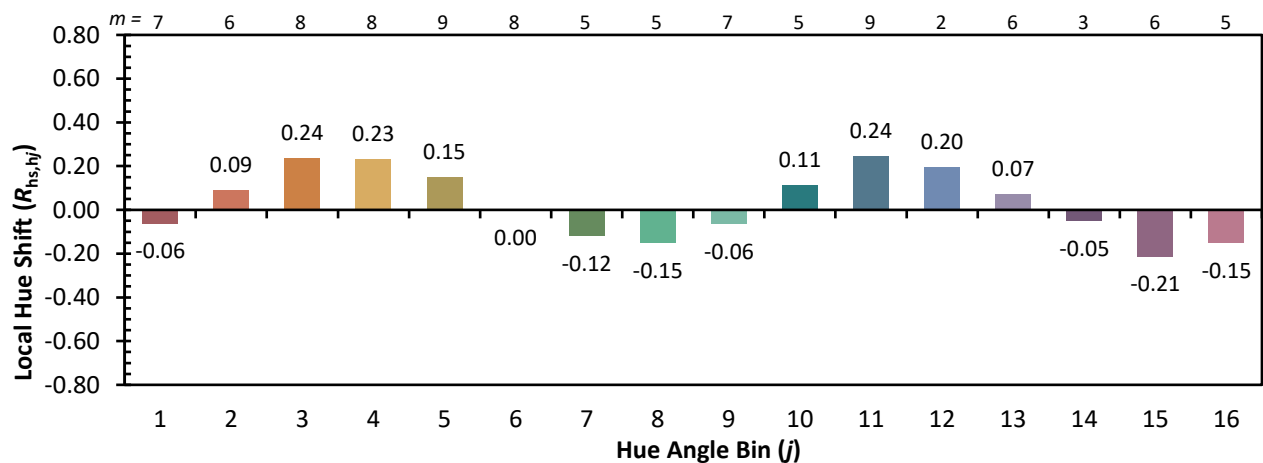
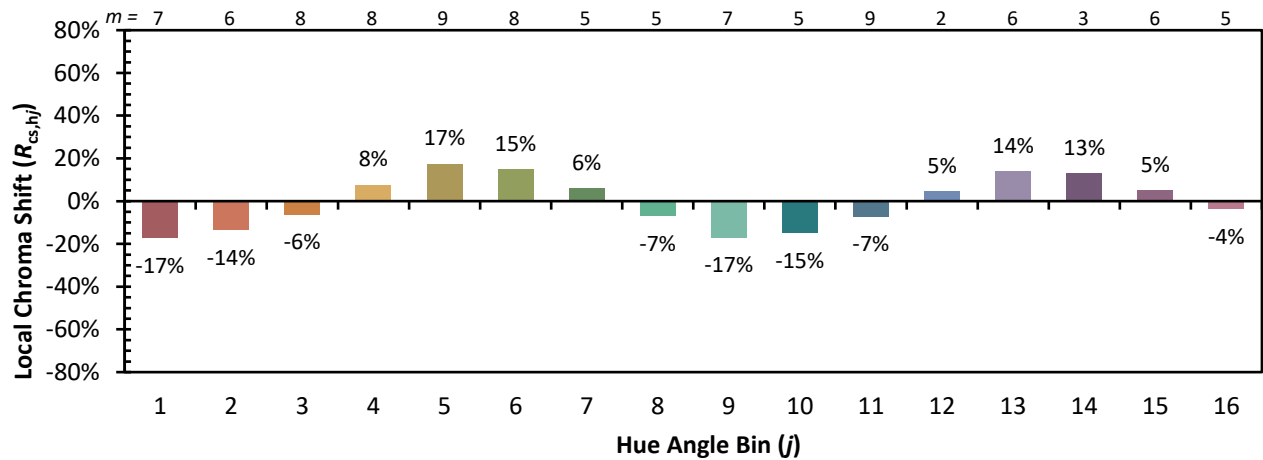


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

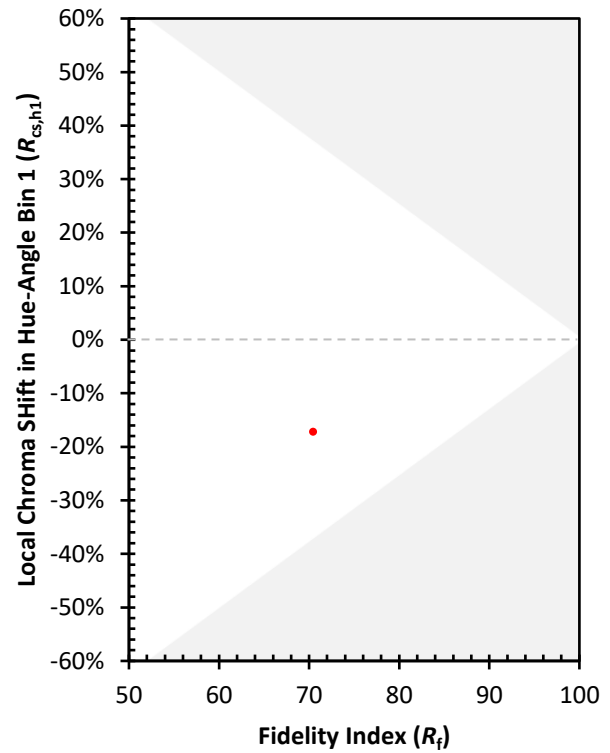
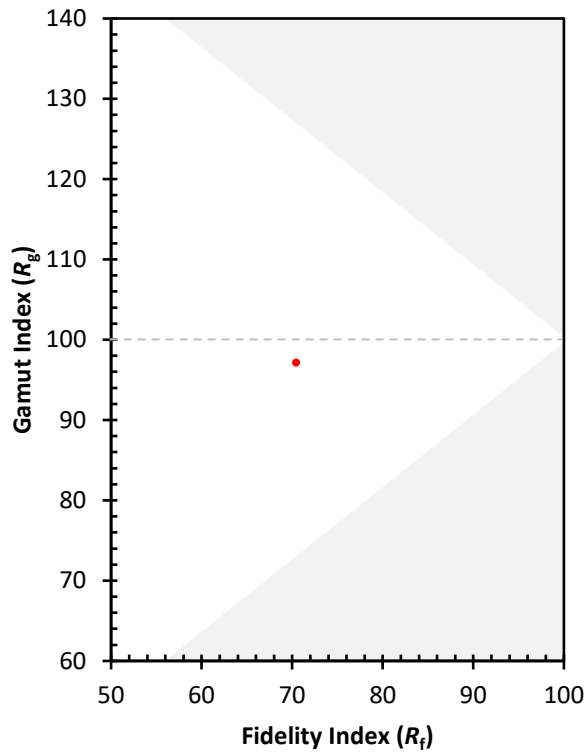
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 52 | CES51 = 87 | CES76 = 40 |
| CES02 = 59 | CES27 = 77 | CES52 = 88 | CES77 = 62 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 43 |
| CES04 = 68 | CES29 = 46 | CES54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