

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641840

Luminaire Tested: GWS-SA6B-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13256.5 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

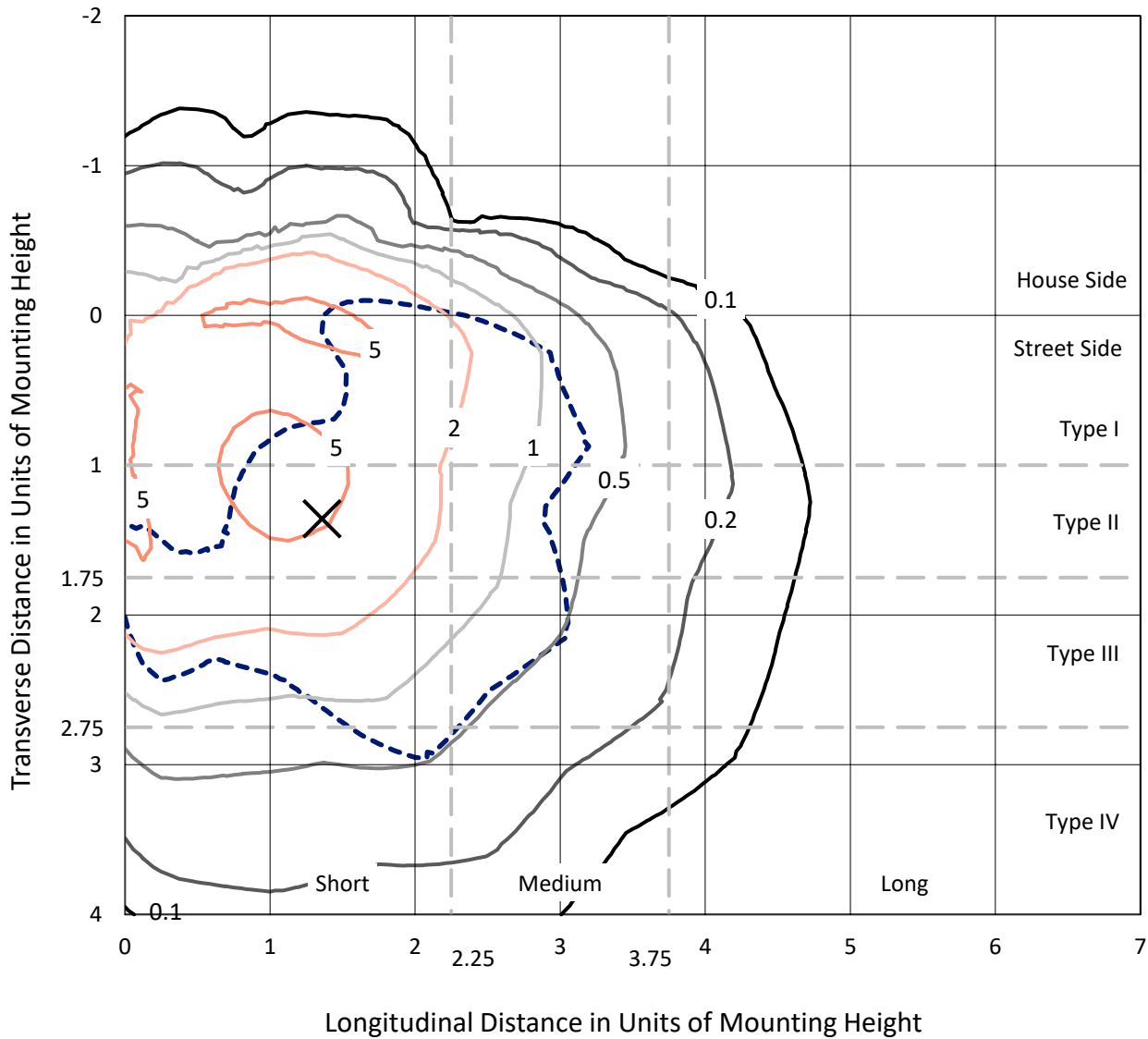
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641840
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Iso-Footcandle Lines of Horizontal Illumination

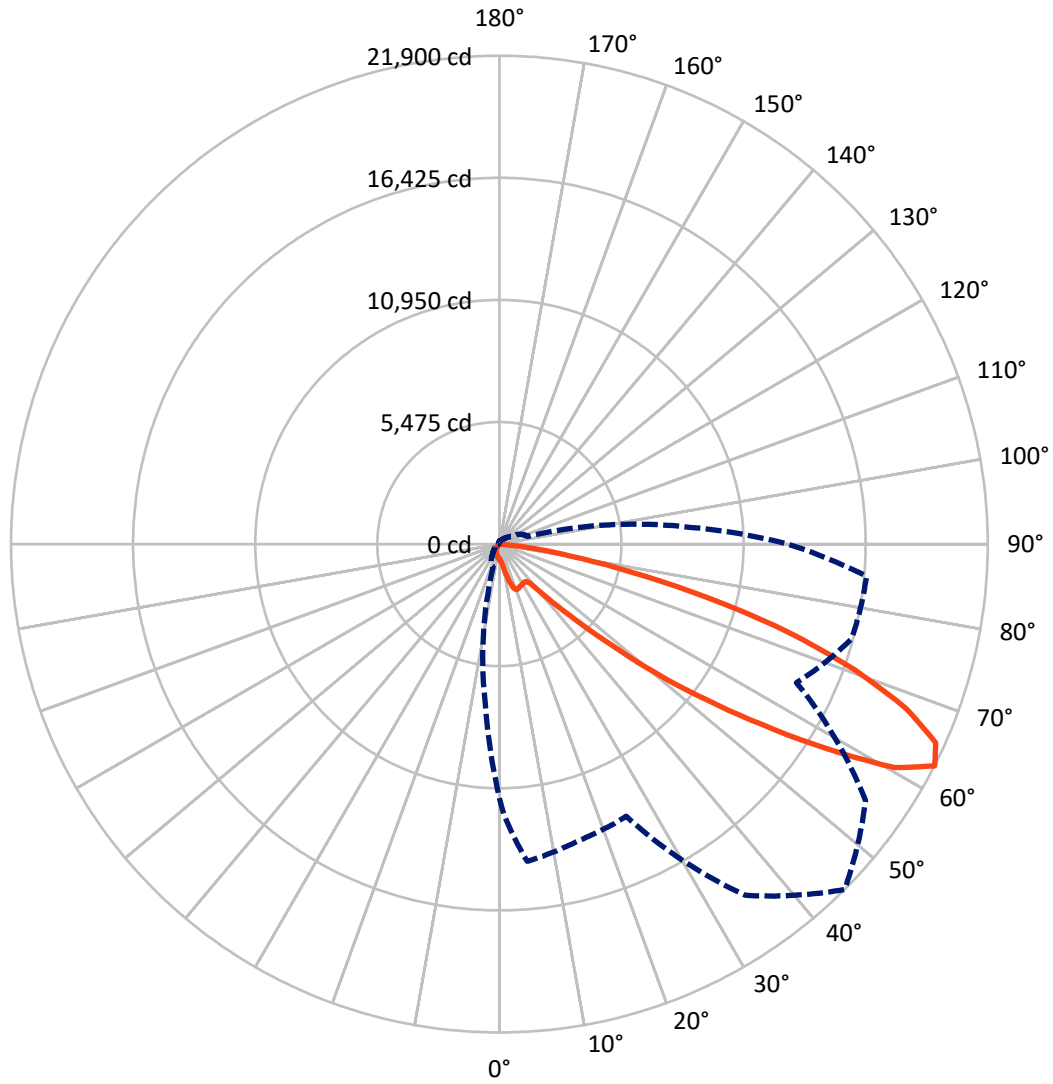
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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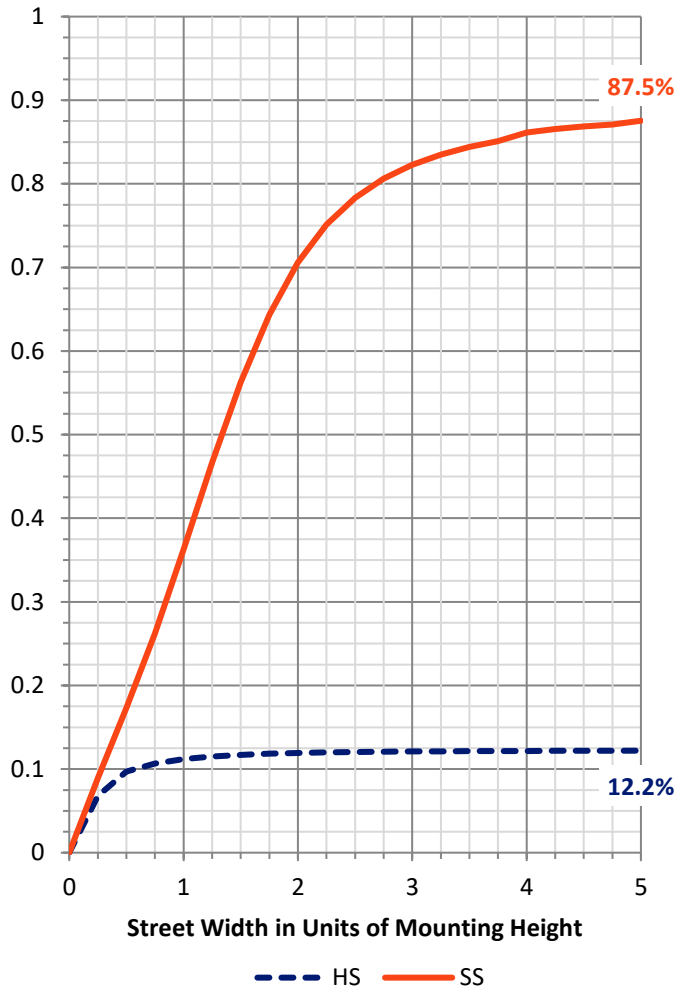
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1635.8 | 0.0 | 1635.8 |
| | % Fixture | 12.3 | 0.0 | 12.3 |
| Street Side | Lumens | 11620.7 | 0.0 | 11620.7 |
| | % Fixture | 87.7 | 0.0 | 87.7 |
| Total | Lumens | 13256.5 | 0.0 | 13256.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 61.1 | 0.5 |
| 10°-20° | 231.1 | 1.7 |
| 20°-30° | 502.4 | 3.8 |
| 30°-40° | 824.6 | 6.2 |
| 40°-50° | 1516.0 | 11.4 |
| 50°-60° | 3255.6 | 24.6 |
| 60°-70° | 4372.8 | 33.0 |
| 70°-80° | 2276.9 | 17.2 |
| 80°-90° | 215.9 | 1.6 |
| 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° | 13256.5 | 100.0 |
| 0°-180° | 13256.5 | 100.0 |

Coefficient of Utilization



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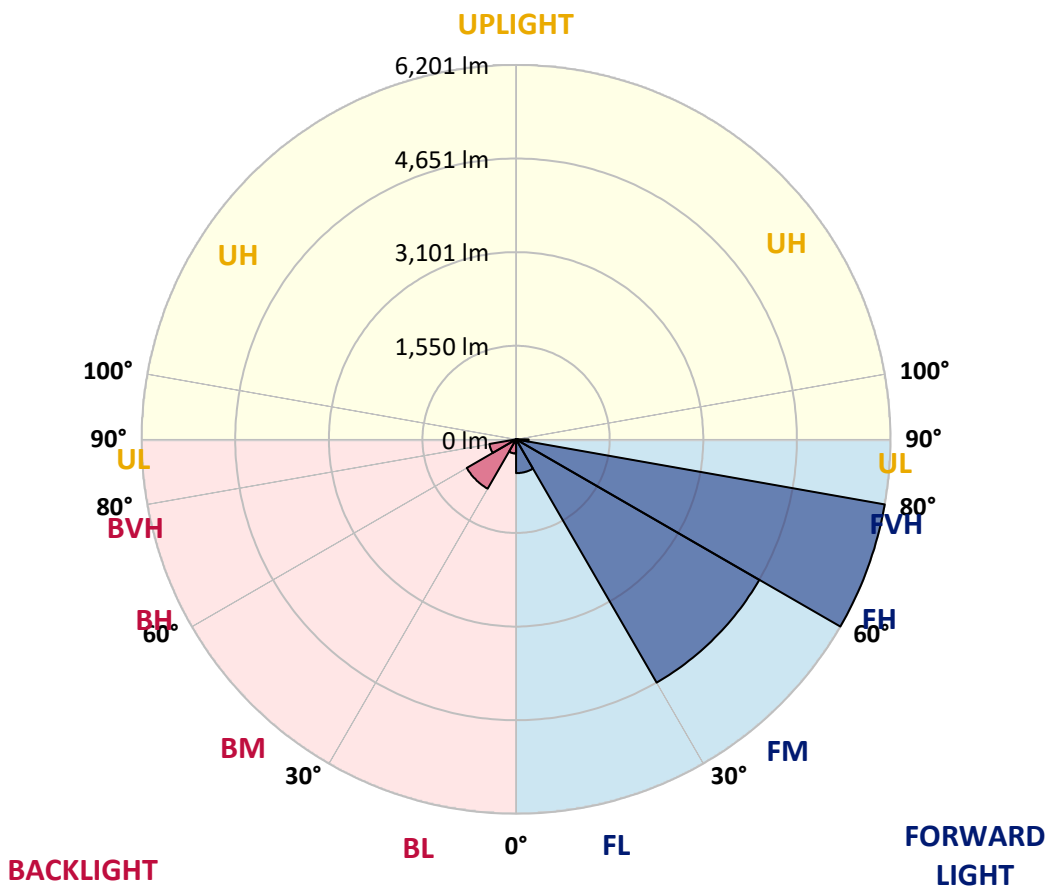
CATALOG NUMBER: GWS-SA6B-760-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 560.0 | 4.2 | | | |
| FM (30°-60°) | 4652.9 | 35.1 | | | |
| FH (60°-80°) | 6201.5 | 46.8 | | | G3/7500 |
| FVH (80°-90°) | 206.3 | 1.6 | | | G2/225 |
| BL (0°-30°) | 234.6 | 1.8 | B1/500 | | |
| BM (30°-60°) | 943.3 | 7.1 | B1/1000 | | |
| BH (60°-80°) | 448.2 | 3.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 9.6 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3

Type IV Short





REPORT NUMBER: P641840

CATALOG NUMBER: GWS-SA6B-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 |
| 2.5° | 702.8 | 705.9 | 709.0 | 719.7 | 727.3 | 733.5 | 735.0 | 730.4 | 719.7 | 709.0 | 693.7 |
| 5° | 681.4 | 684.5 | 695.2 | 724.3 | 753.4 | 776.3 | 784.0 | 779.4 | 753.4 | 719.7 | 684.5 |
| 7.5° | 679.9 | 686.0 | 712.0 | 773.3 | 836.1 | 883.5 | 895.8 | 885.1 | 836.1 | 768.7 | 696.7 |
| 10° | 735.0 | 745.7 | 784.0 | 894.2 | 1009.1 | 1093.3 | 1127.0 | 1081.1 | 1003.0 | 880.5 | 762.6 |
| 12.5° | 878.9 | 897.3 | 970.8 | 1131.6 | 1309.2 | 1421.0 | 1466.9 | 1410.3 | 1287.8 | 1110.2 | 923.3 |
| 15° | 1105.6 | 1133.1 | 1243.4 | 1483.8 | 1693.6 | 1793.1 | 1808.4 | 1776.2 | 1633.8 | 1437.8 | 1186.7 |
| 17.5° | 1425.6 | 1465.4 | 1636.9 | 1881.9 | 2033.5 | 2068.7 | 2064.1 | 2030.4 | 1926.3 | 1791.6 | 1554.2 |
| 20° | 1808.4 | 1855.9 | 2024.3 | 2226.4 | 2241.7 | 2200.4 | 2177.4 | 2157.5 | 2122.3 | 2099.3 | 1914.1 |
| 22.5° | 2194.3 | 2252.5 | 2428.6 | 2479.1 | 2341.3 | 2221.8 | 2165.2 | 2180.5 | 2232.6 | 2345.9 | 2270.8 |
| 25° | 2578.6 | 2633.7 | 2799.1 | 2662.8 | 2387.2 | 2188.1 | 2116.2 | 2152.9 | 2277.0 | 2522.0 | 2618.4 |
| 27.5° | 3027.3 | 3068.6 | 3166.6 | 2788.4 | 2394.9 | 2160.6 | 2090.2 | 2146.8 | 2298.4 | 2632.2 | 2999.7 |
| 30° | 3494.3 | 3518.8 | 3471.3 | 2822.1 | 2368.8 | 2119.2 | 2064.1 | 2146.8 | 2335.1 | 2705.7 | 3286.1 |
| 32.5° | 3837.3 | 3841.9 | 3687.2 | 2825.1 | 2355.1 | 2085.6 | 2039.6 | 2137.6 | 2370.4 | 2767.0 | 3563.2 |
| 35° | 4191.0 | 4168.1 | 3894.0 | 2871.1 | 2391.8 | 2097.8 | 2058.0 | 2163.7 | 2425.5 | 2838.9 | 3806.7 |
| 37.5° | 4549.3 | 4508.0 | 4125.2 | 2946.1 | 2486.7 | 2231.0 | 2206.5 | 2296.9 | 2514.3 | 2938.5 | 4074.6 |
| 40° | 4916.8 | 4860.2 | 4365.6 | 3059.4 | 2698.1 | 2684.3 | 2768.5 | 2757.8 | 2757.8 | 3065.6 | 4350.3 |
| 42.5° | 5365.5 | 5299.6 | 4720.8 | 3379.5 | 3191.1 | 3498.9 | 3728.6 | 3586.2 | 3322.8 | 3358.0 | 4708.6 |
| 45° | 5958.1 | 5901.4 | 5336.4 | 3992.0 | 3964.4 | 4671.8 | 4981.1 | 4699.4 | 4044.0 | 4033.3 | 5307.3 |
| 47.5° | 6905.9 | 6895.2 | 6317.9 | 4702.5 | 4910.7 | 6164.8 | 6762.0 | 6219.9 | 4866.3 | 4748.4 | 6440.4 |
| 50° | 8238.1 | 8205.9 | 7541.4 | 5535.5 | 6036.2 | 8014.5 | 9080.3 | 8176.9 | 5860.1 | 5582.9 | 7957.9 |
| 52.5° | 9738.7 | 9772.4 | 9254.8 | 6445.0 | 7232.1 | 10072.5 | 11556.3 | 10418.6 | 6939.6 | 6644.1 | 9867.3 |
| 55° | 11152.1 | 11345.0 | 11208.7 | 7509.2 | 8400.4 | 12344.9 | 14275.8 | 12877.8 | 8276.4 | 8032.9 | 12008.0 |
| 57.5° | 12257.6 | 12801.2 | 13756.7 | 9055.8 | 9773.9 | 15003.1 | 17312.3 | 15543.7 | 9836.7 | 10288.4 | 14922.0 |
| 60° | 12318.9 | 13038.6 | 15257.3 | 12291.3 | 11541.0 | 17283.2 | 20344.1 | 18148.3 | 12289.8 | 14118.1 | 17205.1 |
| 62.5° | 11395.5 | 12167.3 | 14280.4 | 13761.3 | 13465.8 | 19223.3 | 21899.9 | 20047.1 | 14703.0 | 16361.4 | 16528.3 |
| 65° | 10339.0 | 11118.4 | 13190.1 | 12093.8 | 13242.2 | 19140.6 | 21504.8 | 20091.5 | 14922.0 | 14836.2 | 15317.0 |
| 67.5° | 8741.9 | 9441.7 | 11317.4 | 10704.9 | 12205.6 | 18217.2 | 19679.6 | 18825.1 | 13747.5 | 13876.1 | 14090.5 |
| 70° | 6380.7 | 7054.4 | 8795.5 | 8826.1 | 10659.0 | 16552.8 | 16909.5 | 16791.6 | 12660.3 | 12796.6 | 12184.1 |
| 72.5° | 4609.0 | 5177.1 | 6679.3 | 7238.2 | 8509.1 | 13880.7 | 13634.2 | 14089.0 | 10862.7 | 11397.1 | 9786.2 |
| 75° | 3313.6 | 3739.3 | 4900.0 | 6296.5 | 6745.1 | 10308.3 | 9760.2 | 10911.7 | 8715.9 | 9813.8 | 7357.6 |
| 77.5° | 1344.4 | 1494.5 | 1927.8 | 4241.6 | 4433.0 | 6935.0 | 5974.9 | 7925.7 | 6213.8 | 6448.1 | 3566.3 |
| 80° | 55.1 | 61.2 | 79.6 | 2189.7 | 3039.5 | 3901.6 | 3197.2 | 4237.0 | 4103.7 | 2597.0 | 842.2 |
| 82.5° | 6.1 | 6.1 | 13.8 | 630.9 | 1330.7 | 2152.9 | 1506.7 | 2440.8 | 2077.9 | 1101.0 | 382.8 |
| 85° | 1.5 | 1.5 | 3.1 | 72.0 | 312.4 | 344.5 | 203.7 | 748.8 | 966.2 | 450.2 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 13.8 | 15.3 | 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° | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 |
| 2.5° | 693.7 | 686.0 | 676.8 | 667.6 | 663.0 | 650.8 | 646.2 | 643.1 | 640.1 | 641.6 | 641.6 |
| 5° | 670.7 | 653.8 | 633.9 | 614.0 | 603.3 | 591.1 | 584.9 | 581.9 | 583.4 | 589.5 | 589.5 |
| 7.5° | 667.6 | 635.5 | 592.6 | 566.6 | 554.3 | 545.1 | 539.0 | 535.9 | 537.5 | 545.1 | 548.2 |
| 10° | 718.2 | 661.5 | 584.9 | 540.5 | 526.7 | 517.6 | 511.4 | 506.8 | 503.8 | 509.9 | 511.4 |
| 12.5° | 826.9 | 748.8 | 621.7 | 537.5 | 513.0 | 500.7 | 496.1 | 486.9 | 482.3 | 485.4 | 486.9 |
| 15° | 1052.0 | 917.2 | 695.2 | 549.7 | 500.7 | 486.9 | 479.3 | 471.6 | 464.0 | 462.4 | 464.0 |
| 17.5° | 1346.0 | 1153.0 | 807.0 | 578.8 | 491.5 | 474.7 | 464.0 | 453.2 | 442.5 | 441.0 | 439.5 |
| 20° | 1710.4 | 1442.4 | 963.2 | 624.7 | 483.9 | 464.0 | 448.7 | 433.3 | 419.6 | 415.0 | 415.0 |
| 22.5° | 2042.7 | 1791.6 | 1163.7 | 681.4 | 473.2 | 448.7 | 430.3 | 411.9 | 396.6 | 388.9 | 387.4 |
| 25° | 2448.5 | 2162.1 | 1404.2 | 747.2 | 457.8 | 428.7 | 408.8 | 390.5 | 375.2 | 366.0 | 362.9 |
| 27.5° | 2857.3 | 2552.6 | 1676.7 | 833.0 | 439.5 | 408.8 | 390.5 | 373.6 | 356.8 | 346.1 | 343.0 |
| 30° | 3253.9 | 2973.7 | 1983.0 | 940.2 | 425.7 | 388.9 | 373.6 | 356.8 | 341.5 | 324.6 | 320.0 |
| 32.5° | 3679.6 | 3404.0 | 2326.0 | 1059.6 | 415.0 | 375.2 | 358.3 | 343.0 | 323.1 | 307.8 | 300.1 |
| 35° | 4090.0 | 3848.0 | 2704.2 | 1176.0 | 404.2 | 362.9 | 344.5 | 329.2 | 307.8 | 290.9 | 280.2 |
| 37.5° | 4503.4 | 4299.7 | 3099.2 | 1246.4 | 388.9 | 346.1 | 329.2 | 317.0 | 292.5 | 272.6 | 260.3 |
| 40° | 4941.3 | 4766.8 | 3526.5 | 1217.3 | 375.2 | 327.7 | 318.5 | 304.7 | 277.2 | 254.2 | 238.9 |
| 42.5° | 5422.1 | 5212.4 | 3961.3 | 1105.6 | 362.9 | 312.4 | 303.2 | 289.4 | 263.4 | 235.8 | 215.9 |
| 45° | 6027.0 | 5700.8 | 4318.1 | 937.1 | 369.0 | 297.1 | 278.7 | 275.6 | 251.1 | 215.9 | 191.4 |
| 47.5° | 7066.7 | 6451.1 | 4595.3 | 828.4 | 410.4 | 280.2 | 258.8 | 266.4 | 240.4 | 196.0 | 168.4 |
| 50° | 8657.7 | 7694.5 | 4854.0 | 820.7 | 473.2 | 272.6 | 240.4 | 260.3 | 229.7 | 176.1 | 148.5 |
| 52.5° | 10173.6 | 8957.8 | 5019.4 | 888.1 | 528.3 | 292.5 | 222.0 | 252.7 | 222.0 | 162.3 | 134.7 |
| 55° | 11623.7 | 9686.7 | 4723.9 | 937.1 | 580.3 | 352.2 | 208.2 | 240.4 | 212.8 | 154.7 | 130.2 |
| 57.5° | 13187.1 | 10011.3 | 3719.4 | 1036.7 | 617.1 | 402.7 | 211.3 | 222.0 | 200.6 | 150.1 | 128.6 |
| 60° | 13654.1 | 9596.3 | 2244.8 | 1166.8 | 597.2 | 418.0 | 234.3 | 197.5 | 183.7 | 140.9 | 124.0 |
| 62.5° | 12928.3 | 8611.7 | 1324.5 | 1062.7 | 580.3 | 395.1 | 268.0 | 182.2 | 166.9 | 128.6 | 114.8 |
| 65° | 11842.7 | 7274.9 | 863.6 | 897.3 | 615.6 | 352.2 | 284.8 | 174.6 | 151.6 | 116.4 | 101.1 |
| 67.5° | 10602.3 | 5860.1 | 604.8 | 529.8 | 568.1 | 317.0 | 240.4 | 173.0 | 136.3 | 98.0 | 82.7 |
| 70° | 8930.2 | 4388.5 | 425.7 | 350.7 | 473.2 | 281.7 | 186.8 | 168.4 | 119.4 | 79.6 | 64.3 |
| 72.5° | 6899.8 | 2747.1 | 317.0 | 226.6 | 336.9 | 229.7 | 148.5 | 142.4 | 96.5 | 65.8 | 49.0 |
| 75° | 5088.3 | 1566.5 | 223.6 | 163.8 | 222.0 | 174.6 | 110.2 | 101.1 | 82.7 | 62.8 | 44.4 |
| 77.5° | 2656.7 | 784.0 | 139.3 | 125.6 | 127.1 | 108.7 | 79.6 | 73.5 | 76.6 | 62.8 | 41.3 |
| 80° | 509.9 | 156.2 | 84.2 | 91.9 | 68.9 | 68.9 | 58.2 | 61.2 | 67.4 | 50.5 | 35.2 |
| 82.5° | 212.8 | 33.7 | 45.9 | 52.1 | 42.9 | 47.5 | 47.5 | 49.0 | 47.5 | 36.7 | 26.0 |
| 85° | 0.0 | 0.0 | 19.9 | 21.4 | 29.1 | 29.1 | 24.5 | 24.5 | 24.5 | 21.4 | 15.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 4.6 | 9.2 | 10.7 | 12.2 | 9.2 | 6.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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 CATALOG NUMBER: GWS-SA6B-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 |
| 2.5° | 640.1 | 637.0 | 641.6 | 644.7 | 647.7 | 647.7 | 644.7 | 641.6 | 637.0 | 641.6 | 637.0 |
| 5° | 591.1 | 595.7 | 603.3 | 606.4 | 609.4 | 603.3 | 600.2 | 591.1 | 583.4 | 584.9 | 581.9 |
| 7.5° | 552.8 | 557.4 | 566.6 | 572.7 | 572.7 | 569.6 | 560.4 | 551.2 | 539.0 | 539.0 | 537.5 |
| 10° | 517.6 | 523.7 | 534.4 | 542.1 | 545.1 | 542.1 | 532.9 | 520.6 | 509.9 | 509.9 | 505.3 |
| 12.5° | 488.5 | 496.1 | 508.4 | 519.1 | 522.2 | 519.1 | 509.9 | 497.7 | 485.4 | 485.4 | 482.3 |
| 15° | 464.0 | 473.2 | 486.9 | 499.2 | 503.8 | 499.2 | 488.5 | 473.2 | 460.9 | 462.4 | 457.8 |
| 17.5° | 441.0 | 448.7 | 467.0 | 480.8 | 485.4 | 480.8 | 467.0 | 447.1 | 434.9 | 437.9 | 434.9 |
| 20° | 415.0 | 424.2 | 442.5 | 457.8 | 462.4 | 457.8 | 442.5 | 421.1 | 408.8 | 408.8 | 410.4 |
| 22.5° | 387.4 | 396.6 | 415.0 | 425.7 | 431.8 | 427.2 | 411.9 | 392.0 | 379.7 | 379.7 | 381.3 |
| 25° | 362.9 | 367.5 | 381.3 | 392.0 | 393.5 | 388.9 | 376.7 | 361.4 | 352.2 | 356.8 | 358.3 |
| 27.5° | 339.9 | 339.9 | 346.1 | 352.2 | 350.7 | 346.1 | 341.5 | 329.2 | 327.7 | 332.3 | 336.9 |
| 30° | 315.4 | 307.8 | 304.7 | 300.1 | 298.6 | 297.1 | 301.7 | 301.7 | 304.7 | 310.8 | 315.4 |
| 32.5° | 294.0 | 278.7 | 264.9 | 251.1 | 243.5 | 249.6 | 261.8 | 272.6 | 283.3 | 292.5 | 297.1 |
| 35° | 269.5 | 245.0 | 222.0 | 203.7 | 191.4 | 200.6 | 220.5 | 240.4 | 258.8 | 271.0 | 278.7 |
| 37.5° | 245.0 | 209.8 | 182.2 | 159.2 | 150.1 | 157.7 | 179.2 | 206.7 | 234.3 | 249.6 | 260.3 |
| 40° | 219.0 | 174.6 | 142.4 | 124.0 | 114.8 | 122.5 | 143.9 | 171.5 | 208.2 | 228.2 | 241.9 |
| 42.5° | 192.9 | 143.9 | 114.8 | 96.5 | 91.9 | 96.5 | 113.3 | 140.9 | 180.7 | 205.2 | 223.6 |
| 45° | 166.9 | 119.4 | 91.9 | 78.1 | 73.5 | 78.1 | 91.9 | 114.8 | 154.7 | 182.2 | 203.7 |
| 47.5° | 143.9 | 101.1 | 76.6 | 64.3 | 61.2 | 65.8 | 76.6 | 96.5 | 130.2 | 157.7 | 182.2 |
| 50° | 125.6 | 88.8 | 65.8 | 55.1 | 52.1 | 56.7 | 65.8 | 81.2 | 110.2 | 134.7 | 160.8 |
| 52.5° | 113.3 | 82.7 | 58.2 | 47.5 | 45.9 | 49.0 | 56.7 | 68.9 | 93.4 | 114.8 | 139.3 |
| 55° | 110.2 | 82.7 | 53.6 | 42.9 | 41.3 | 44.4 | 50.5 | 59.7 | 81.2 | 99.5 | 121.0 |
| 57.5° | 113.3 | 88.8 | 50.5 | 36.7 | 35.2 | 38.3 | 44.4 | 52.1 | 70.4 | 85.7 | 105.7 |
| 60° | 113.3 | 90.3 | 44.4 | 29.1 | 27.6 | 30.6 | 36.7 | 45.9 | 62.8 | 75.0 | 91.9 |
| 62.5° | 102.6 | 82.7 | 36.7 | 23.0 | 19.9 | 23.0 | 30.6 | 38.3 | 55.1 | 67.4 | 81.2 |
| 65° | 88.8 | 70.4 | 30.6 | 16.8 | 13.8 | 16.8 | 24.5 | 32.2 | 47.5 | 58.2 | 73.5 |
| 67.5° | 72.0 | 53.6 | 23.0 | 12.2 | 9.2 | 12.2 | 18.4 | 26.0 | 39.8 | 50.5 | 65.8 |
| 70° | 53.6 | 38.3 | 18.4 | 10.7 | 9.2 | 10.7 | 16.8 | 24.5 | 35.2 | 45.9 | 61.2 |
| 72.5° | 39.8 | 26.0 | 15.3 | 10.7 | 7.7 | 10.7 | 15.3 | 23.0 | 33.7 | 44.4 | 58.2 |
| 75° | 33.7 | 21.4 | 13.8 | 9.2 | 7.7 | 9.2 | 13.8 | 21.4 | 30.6 | 41.3 | 55.1 |
| 77.5° | 32.2 | 19.9 | 12.2 | 7.7 | 6.1 | 7.7 | 12.2 | 18.4 | 27.6 | 38.3 | 53.6 |
| 80° | 27.6 | 16.8 | 10.7 | 6.1 | 4.6 | 6.1 | 10.7 | 15.3 | 21.4 | 29.1 | 41.3 |
| 82.5° | 21.4 | 13.8 | 7.7 | 3.1 | 1.5 | 3.1 | 7.7 | 9.2 | 13.8 | 16.8 | 24.5 |
| 85° | 13.8 | 7.7 | 3.1 | 0.0 | 0.0 | 0.0 | 3.1 | 6.1 | 6.1 | 7.7 | 12.2 |
| 87.5° | 6.1 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 4.6 |
| 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: P641840

CATALOG NUMBER: GWS-SA6B-760-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|---------|---------|
| 0° | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 | 689.1 |
| 2.5° | 646.2 | 647.7 | 650.8 | 655.4 | 666.1 | 675.3 | 684.5 | 696.7 | 702.8 | 702.8 |
| 5° | 584.9 | 586.5 | 588.0 | 594.1 | 609.4 | 621.7 | 641.6 | 666.1 | 678.3 | 681.4 |
| 7.5° | 537.5 | 540.5 | 543.6 | 548.2 | 563.5 | 580.3 | 606.4 | 652.3 | 675.3 | 679.9 |
| 10° | 509.9 | 514.5 | 520.6 | 529.8 | 543.6 | 562.0 | 606.4 | 689.1 | 727.3 | 735.0 |
| 12.5° | 488.5 | 496.1 | 502.2 | 513.0 | 529.8 | 558.9 | 647.7 | 793.2 | 860.6 | 878.9 |
| 15° | 467.0 | 476.2 | 485.4 | 496.1 | 514.5 | 569.6 | 727.3 | 980.0 | 1091.8 | 1105.6 |
| 17.5° | 445.6 | 456.3 | 468.6 | 480.8 | 503.8 | 595.7 | 852.9 | 1238.8 | 1395.0 | 1425.6 |
| 20° | 421.1 | 434.9 | 451.7 | 467.0 | 493.1 | 637.0 | 1027.5 | 1546.6 | 1742.6 | 1808.4 |
| 22.5° | 395.1 | 411.9 | 431.8 | 451.7 | 480.8 | 687.5 | 1238.8 | 1877.3 | 2151.4 | 2194.3 |
| 25° | 373.6 | 390.5 | 408.8 | 428.7 | 460.9 | 748.8 | 1494.5 | 2287.7 | 2537.3 | 2578.6 |
| 27.5° | 353.7 | 370.6 | 387.4 | 405.8 | 441.0 | 828.4 | 1802.3 | 2724.1 | 2984.4 | 3027.3 |
| 30° | 332.3 | 352.2 | 369.0 | 387.4 | 422.6 | 926.4 | 2157.5 | 3208.0 | 3454.5 | 3494.3 |
| 32.5° | 313.9 | 333.8 | 350.7 | 369.0 | 408.8 | 1033.6 | 2531.1 | 3636.7 | 3837.3 | 3837.3 |
| 35° | 298.6 | 320.0 | 332.3 | 356.8 | 398.1 | 1102.5 | 2884.9 | 4045.6 | 4197.1 | 4191.0 |
| 37.5° | 281.7 | 307.8 | 317.0 | 333.8 | 384.3 | 1110.2 | 3217.1 | 4477.4 | 4589.1 | 4549.3 |
| 40° | 264.9 | 292.5 | 306.2 | 315.4 | 369.0 | 1047.4 | 3581.6 | 4874.0 | 4968.9 | 4916.8 |
| 42.5° | 249.6 | 271.0 | 290.9 | 301.7 | 359.8 | 937.1 | 3874.1 | 5298.1 | 5411.4 | 5365.5 |
| 45° | 234.3 | 252.7 | 264.9 | 284.8 | 366.0 | 860.6 | 4125.2 | 5792.7 | 5991.8 | 5958.1 |
| 47.5° | 219.0 | 234.3 | 241.9 | 272.6 | 407.3 | 825.3 | 4278.3 | 6558.3 | 6933.5 | 6905.9 |
| 50° | 202.1 | 220.5 | 220.5 | 269.5 | 468.6 | 837.6 | 4411.5 | 7666.9 | 8247.3 | 8238.1 |
| 52.5° | 185.3 | 205.2 | 202.1 | 292.5 | 516.0 | 894.2 | 4563.1 | 8645.4 | 9654.5 | 9738.7 |
| 55° | 168.4 | 186.8 | 189.9 | 338.4 | 543.6 | 943.2 | 3976.6 | 9057.3 | 10856.5 | 11152.1 |
| 57.5° | 150.1 | 160.8 | 197.5 | 373.6 | 534.4 | 1085.7 | 2724.1 | 9132.3 | 11623.7 | 12257.6 |
| 60° | 130.2 | 139.3 | 223.6 | 366.0 | 505.3 | 1003.0 | 1715.0 | 8458.6 | 11515.0 | 12318.9 |
| 62.5° | 113.3 | 128.6 | 235.8 | 323.1 | 514.5 | 869.7 | 1093.3 | 7209.1 | 10478.3 | 11395.5 |
| 65° | 99.5 | 124.0 | 214.4 | 292.5 | 520.6 | 589.5 | 738.1 | 5864.7 | 9466.2 | 10339.0 |
| 67.5° | 88.8 | 137.8 | 176.1 | 260.3 | 447.1 | 415.0 | 506.8 | 4557.0 | 7959.4 | 8741.9 |
| 70° | 81.2 | 140.9 | 143.9 | 223.6 | 346.1 | 266.4 | 333.8 | 3067.1 | 5486.5 | 6380.7 |
| 72.5° | 73.5 | 104.1 | 108.7 | 179.2 | 223.6 | 162.3 | 215.9 | 1754.8 | 3999.6 | 4609.0 |
| 75° | 70.4 | 70.4 | 75.0 | 116.4 | 124.0 | 117.9 | 139.3 | 1047.4 | 2868.0 | 3313.6 |
| 77.5° | 65.8 | 53.6 | 47.5 | 75.0 | 67.4 | 84.2 | 82.7 | 465.5 | 1243.4 | 1344.4 |
| 80° | 52.1 | 38.3 | 32.2 | 47.5 | 45.9 | 56.7 | 49.0 | 38.3 | 56.7 | 55.1 |
| 82.5° | 32.2 | 24.5 | 23.0 | 29.1 | 26.0 | 29.1 | 23.0 | 6.1 | 6.1 | 6.1 |
| 85° | 15.3 | 13.8 | 12.2 | 12.2 | 13.8 | 12.2 | 9.2 | 3.1 | 1.5 | 1.5 |
| 87.5° | 7.7 | 7.7 | 6.1 | 4.6 | 6.1 | 6.1 | 4.6 | 1.5 | 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 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2008: Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-9-R4

Test Date: 10/23/2019

Luminaire Tested: SA1C-760-U-5WQ

Data in this report applies to families of products SA1C-760-U-5WQ .

Test Information

Test Method: LM-79-2008
 Report Number: SP1-1908-441-9-R4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/28/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGRAW-EDISON
 Catalog Number: **SA1C-760-U-5WQ**
 Description: McGRAW EDISON ROADWAY AND AREA LUMINAIRE

THIS IS A REVISION OF SP1-1908-441-4-R3. TO UPDATE THE CATALOG INFORMATION.TESTED IN SITU. ROADWAY AND AREA LUMINAIRE. (1) 70 CRI, 5000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

Spectral Parameters

| | | | | | |
|---------------------------|--------|-----------|------|------|-------|
| CCT (K): | 5474 | CRI (Ra): | 71.7 | R9: | -27.1 |
| CIE u': | 0.2052 | R1: | 70.6 | R10: | 40.8 |
| CIE v': | 0.4804 | R2: | 74.6 | R11: | 74.6 |
| Duv: | 0.0025 | R3: | 78.3 | R12: | 50.4 |
| CIE x: | 0.3330 | R4: | 73.8 | R13: | 70.0 |
| CIE y: | 0.3466 | R5: | 72.4 | R14: | 87.8 |
| CIE z: | 0.3204 | R6: | 67.5 | | |
| Peak Wavelength (nm): | 442 | R7: | 77.5 | | |
| Dominant Wavelength (nm): | 554 | R8: | 58.9 | | |
| Purity: | 4.1 | | | | |
| Rf: | 72.1 | | | | |
| Rg: | 97.2 | | | | |



Test Conditions

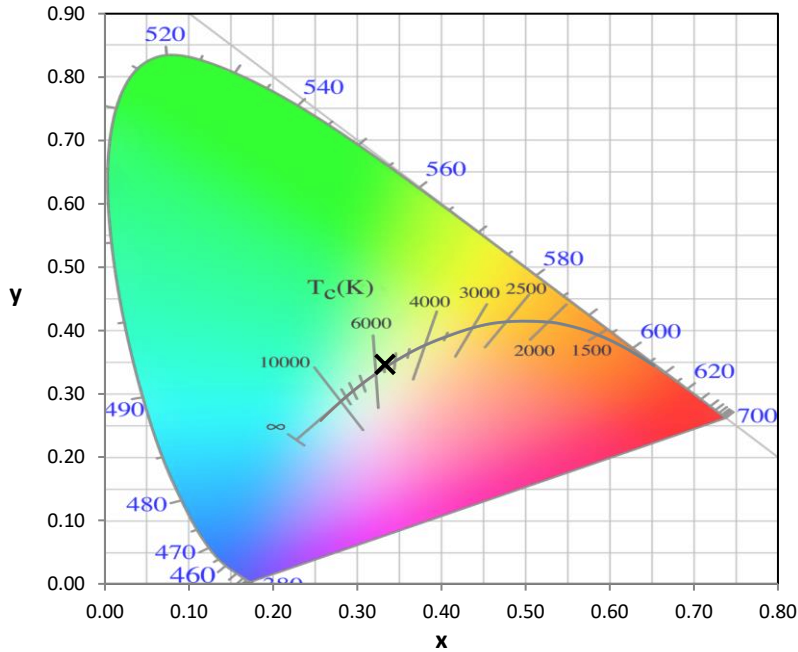
Stabilization Time: 240M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 24.6/31%
 Sphere Temperature (°C): 25.9

REPORT NUMBER: SP1-1908-441-9-R4

| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/28/2019 | 12/28/2019 |
| Power Meter | IN0071 | 12/5/2018 | 12/5/2019 |
| AC Power Source | IN0063 | 12/5/2018 | 12/5/2019 |
| DC Power Source | IN0208 | 12/5/2018 | 12/5/2019 |
| Sphere Thermometer | IN0085 | 12/5/2018 | 12/5/2019 |
| Room Thermometer | IN0046 | 12/5/2018 | 12/5/2019 |

REPORT NUMBER: SP1-1908-441-9-R4

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: SP1-1908-441-9-R4

Photopic Flux vs. Wavelength



#####

| λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360 | 3540 | NR | 490 | 33363 | NR | 620 | 80193 | NR | 750 | 4663 | NR | 880 | 4678 | NR |
| 365 | 2862 | NR | 495 | 44177 | NR | 625 | 73091 | NR | 755 | 4147 | NR | 885 | 4128 | NR |
| 370 | 2865 | NR | 500 | 57019 | NR | 630 | 66269 | NR | 760 | 4040 | NR | 890 | 4504 | NR |
| 375 | 3254 | NR | 505 | 70030 | NR | 635 | 60012 | NR | 765 | 3474 | NR | 895 | 4371 | NR |
| 380 | 3076 | NR | 510 | 81972 | NR | 640 | 53914 | NR | 770 | 3469 | NR | 900 | 4082 | NR |
| 385 | 2904 | NR | 515 | 92590 | NR | 645 | 48385 | NR | 775 | 3181 | NR | 905 | 2982 | NR |
| 390 | 2689 | NR | 520 | 100305 | NR | 650 | 43219 | NR | 780 | 2969 | NR | 910 | 4351 | NR |
| 395 | 2619 | NR | 525 | 107452 | NR | 655 | 38562 | NR | 785 | 3132 | NR | 915 | 3365 | NR |
| 400 | 2679 | NR | 530 | 111373 | NR | 660 | 34110 | NR | 790 | 2507 | NR | 920 | 3430 | NR |
| 405 | 3515 | NR | 535 | 114505 | NR | 665 | 30085 | NR | 795 | 2968 | NR | 925 | 4264 | NR |
| 410 | 6934 | NR | 540 | 116408 | NR | 670 | 26205 | NR | 800 | 2758 | NR | 930 | 4095 | NR |
| 415 | 14943 | NR | 545 | 118700 | NR | 675 | 22906 | NR | 805 | 2872 | NR | 935 | 5048 | NR |
| 420 | 31939 | NR | 550 | 119209 | NR | 680 | 20058 | NR | 810 | 3094 | NR | 940 | 4074 | NR |
| 425 | 64701 | NR | 555 | 120742 | NR | 685 | 17413 | NR | 815 | 3222 | NR | 945 | 4949 | NR |
| 430 | 110939 | NR | 560 | 121594 | NR | 690 | 15447 | NR | 820 | 3238 | NR | 950 | 4387 | NR |
| 435 | 164597 | NR | 565 | 121913 | NR | 695 | 13398 | NR | 825 | 3524 | NR | 955 | 4978 | NR |
| 440 | 207696 | NR | 570 | 122147 | NR | 700 | 11777 | NR | 830 | 2921 | NR | 960 | 4706 | NR |
| 445 | 201830 | NR | 575 | 121605 | NR | 705 | 10412 | NR | 835 | 3595 | NR | 965 | 5083 | NR |
| 450 | 145410 | NR | 580 | 120248 | NR | 710 | 9544 | NR | 840 | 3016 | NR | 970 | 4522 | NR |
| 455 | 89594 | NR | 585 | 117717 | NR | 715 | 8940 | NR | 845 | 4032 | NR | 975 | 4740 | NR |
| 460 | 58321 | NR | 590 | 114359 | NR | 720 | 7897 | NR | 850 | 3579 | NR | 980 | 6122 | NR |
| 465 | 39318 | NR | 595 | 109974 | NR | 725 | 7045 | NR | 855 | 4571 | NR | 985 | 6450 | NR |
| 470 | 27693 | NR | 600 | 105269 | NR | 730 | 6483 | NR | 860 | 4485 | NR | 990 | 4875 | NR |
| 475 | 23081 | NR | 605 | 99453 | NR | 735 | 5838 | NR | 865 | 3978 | NR | 995 | 4764 | NR |
| 480 | 23002 | NR | 610 | 92921 | NR | 740 | 5261 | NR | 870 | 4298 | NR | 1000 | 3640 | NR |
| 485 | 26201 | NR | 615 | 86989 | NR | 745 | 4760 | NR | 875 | 4356 | NR | | | |

REPORT NUMBER: SP1-1908-441-9-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 13759.3 S/P: 1.85

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 3540 | NR | 490 | 33363 | NR | 620 | 80193 | NR | 750 | 4663 | NR | 880 | 4678 | NR |
| 365 | 2862 | NR | 495 | 44177 | NR | 625 | 73091 | NR | 755 | 4147 | NR | 885 | 4128 | NR |
| 370 | 2865 | NR | 500 | 57019 | NR | 630 | 66269 | NR | 760 | 4040 | NR | 890 | 4504 | NR |
| 375 | 3254 | NR | 505 | 70030 | NR | 635 | 60012 | NR | 765 | 3474 | NR | 895 | 4371 | NR |
| 380 | 3076 | NR | 510 | 81972 | NR | 640 | 53914 | NR | 770 | 3469 | NR | 900 | 4082 | NR |
| 385 | 2904 | NR | 515 | 92590 | NR | 645 | 48385 | NR | 775 | 3181 | NR | 905 | 2982 | NR |
| 390 | 2689 | NR | 520 | 100305 | NR | 650 | 43219 | NR | 780 | 2969 | NR | 910 | 4351 | NR |
| 395 | 2619 | NR | 525 | 107452 | NR | 655 | 38562 | NR | 785 | 3132 | NR | 915 | 3365 | NR |
| 400 | 2679 | NR | 530 | 111373 | NR | 660 | 34110 | NR | 790 | 2507 | NR | 920 | 3430 | NR |
| 405 | 3515 | NR | 535 | 114505 | NR | 665 | 30085 | NR | 795 | 2968 | NR | 925 | 4264 | NR |
| 410 | 6934 | NR | 540 | 116408 | NR | 670 | 26205 | NR | 800 | 2758 | NR | 930 | 4095 | NR |
| 415 | 14943 | NR | 545 | 118700 | NR | 675 | 22906 | NR | 805 | 2872 | NR | 935 | 5048 | NR |
| 420 | 31939 | NR | 550 | 119209 | NR | 680 | 20058 | NR | 810 | 3094 | NR | 940 | 4074 | NR |
| 425 | 64701 | NR | 555 | 120742 | NR | 685 | 17413 | NR | 815 | 3222 | NR | 945 | 4949 | NR |
| 430 | 110939 | NR | 560 | 121594 | NR | 690 | 15447 | NR | 820 | 3238 | NR | 950 | 4387 | NR |
| 435 | 164597 | NR | 565 | 121913 | NR | 695 | 13398 | NR | 825 | 3524 | NR | 955 | 4978 | NR |
| 440 | 207696 | NR | 570 | 122147 | NR | 700 | 11777 | NR | 830 | 2921 | NR | 960 | 4706 | NR |
| 445 | 201830 | NR | 575 | 121605 | NR | 705 | 10412 | NR | 835 | 3595 | NR | 965 | 5083 | NR |
| 450 | 145410 | NR | 580 | 120248 | NR | 710 | 9544 | NR | 840 | 3016 | NR | 970 | 4522 | NR |
| 455 | 89594 | NR | 585 | 117717 | NR | 715 | 8940 | NR | 845 | 4032 | NR | 975 | 4740 | NR |
| 460 | 58321 | NR | 590 | 114359 | NR | 720 | 7897 | NR | 850 | 3579 | NR | 980 | 6122 | NR |
| 465 | 39318 | NR | 595 | 109974 | NR | 725 | 7045 | NR | 855 | 4571 | NR | 985 | 6450 | NR |
| 470 | 27693 | NR | 600 | 105269 | NR | 730 | 6483 | NR | 860 | 4485 | NR | 990 | 4875 | NR |
| 475 | 23081 | NR | 605 | 99453 | NR | 735 | 5838 | NR | 865 | 3978 | NR | 995 | 4764 | NR |
| 480 | 23002 | NR | 610 | 92921 | NR | 740 | 5261 | NR | 870 | 4298 | NR | 1000 | 3640 | NR |
| 485 | 26201 | NR | 615 | 86989 | NR | 745 | 4760 | NR | 875 | 4356 | NR | | | |

REPORT NUMBER: SP1-1908-441-9-R4

Melanopic Flux vs. Wavelength



Melanopic Lumens: 5527.6 M/P: 0.74

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 3540 | NR | 490 | 33363 | NR | 620 | 80193 | NR | 750 | 4663 | NR | 880 | 4678 | NR |
| 365 | 2862 | NR | 495 | 44177 | NR | 625 | 73091 | NR | 755 | 4147 | NR | 885 | 4128 | NR |
| 370 | 2865 | NR | 500 | 57019 | NR | 630 | 66269 | NR | 760 | 4040 | NR | 890 | 4504 | NR |
| 375 | 3254 | NR | 505 | 70030 | NR | 635 | 60012 | NR | 765 | 3474 | NR | 895 | 4371 | NR |
| 380 | 3076 | NR | 510 | 81972 | NR | 640 | 53914 | NR | 770 | 3469 | NR | 900 | 4082 | NR |
| 385 | 2904 | NR | 515 | 92590 | NR | 645 | 48385 | NR | 775 | 3181 | NR | 905 | 2982 | NR |
| 390 | 2689 | NR | 520 | 100305 | NR | 650 | 43219 | NR | 780 | 2969 | NR | 910 | 4351 | NR |
| 395 | 2619 | NR | 525 | 107452 | NR | 655 | 38562 | NR | 785 | 3132 | NR | 915 | 3365 | NR |
| 400 | 2679 | NR | 530 | 111373 | NR | 660 | 34110 | NR | 790 | 2507 | NR | 920 | 3430 | NR |
| 405 | 3515 | NR | 535 | 114505 | NR | 665 | 30085 | NR | 795 | 2968 | NR | 925 | 4264 | NR |
| 410 | 6934 | NR | 540 | 116408 | NR | 670 | 26205 | NR | 800 | 2758 | NR | 930 | 4095 | NR |
| 415 | 14943 | NR | 545 | 118700 | NR | 675 | 22906 | NR | 805 | 2872 | NR | 935 | 5048 | NR |
| 420 | 31939 | NR | 550 | 119209 | NR | 680 | 20058 | NR | 810 | 3094 | NR | 940 | 4074 | NR |
| 425 | 64701 | NR | 555 | 120742 | NR | 685 | 17413 | NR | 815 | 3222 | NR | 945 | 4949 | NR |
| 430 | 110939 | NR | 560 | 121594 | NR | 690 | 15447 | NR | 820 | 3238 | NR | 950 | 4387 | NR |
| 435 | 164597 | NR | 565 | 121913 | NR | 695 | 13398 | NR | 825 | 3524 | NR | 955 | 4978 | NR |
| 440 | 207696 | NR | 570 | 122147 | NR | 700 | 11777 | NR | 830 | 2921 | NR | 960 | 4706 | NR |
| 445 | 201830 | NR | 575 | 121605 | NR | 705 | 10412 | NR | 835 | 3595 | NR | 965 | 5083 | NR |
| 450 | 145410 | NR | 580 | 120248 | NR | 710 | 9544 | NR | 840 | 3016 | NR | 970 | 4522 | NR |
| 455 | 89594 | NR | 585 | 117717 | NR | 715 | 8940 | NR | 845 | 4032 | NR | 975 | 4740 | NR |
| 460 | 58321 | NR | 590 | 114359 | NR | 720 | 7897 | NR | 850 | 3579 | NR | 980 | 6122 | NR |
| 465 | 39318 | NR | 595 | 109974 | NR | 725 | 7045 | NR | 855 | 4571 | NR | 985 | 6450 | NR |
| 470 | 27693 | NR | 600 | 105269 | NR | 730 | 6483 | NR | 860 | 4485 | NR | 990 | 4875 | NR |
| 475 | 23081 | NR | 605 | 99453 | NR | 735 | 5838 | NR | 865 | 3978 | NR | 995 | 4764 | NR |
| 480 | 23002 | NR | 610 | 92921 | NR | 740 | 5261 | NR | 870 | 4298 | NR | 1000 | 3640 | NR |
| 485 | 26201 | NR | 615 | 86989 | NR | 745 | 4760 | NR | 875 | 4356 | NR | | | |

REPORT NUMBER: SP1-1908-441-9-R4

TM-30-18

Summary

$R_f = 72.1$
 $R_g = 97.2$
 CIE $R_a = 71.7$
 $R_g = -27.1$



Color Vector Graphics



REPORT NUMBER: SP1-1908-441-9-R4

TM-30-18

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

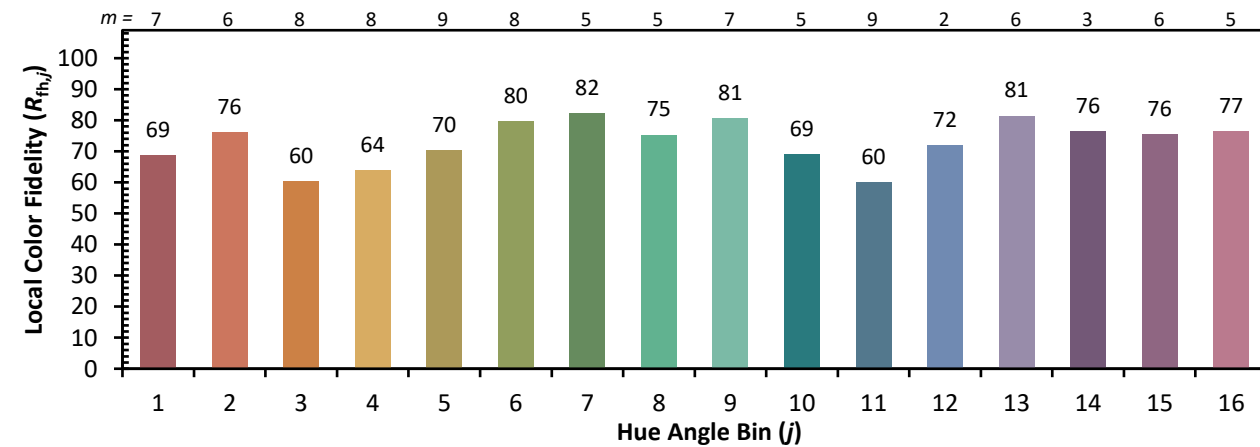
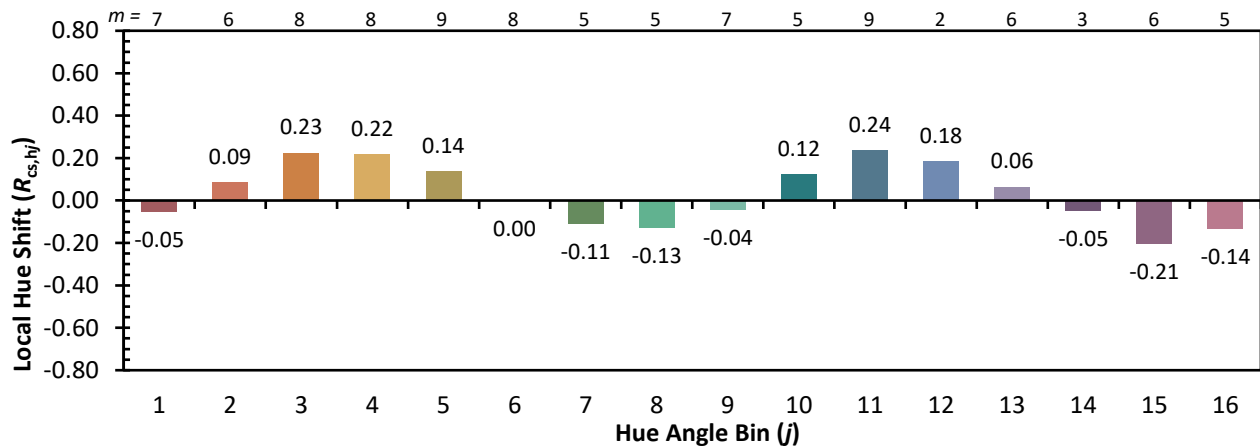
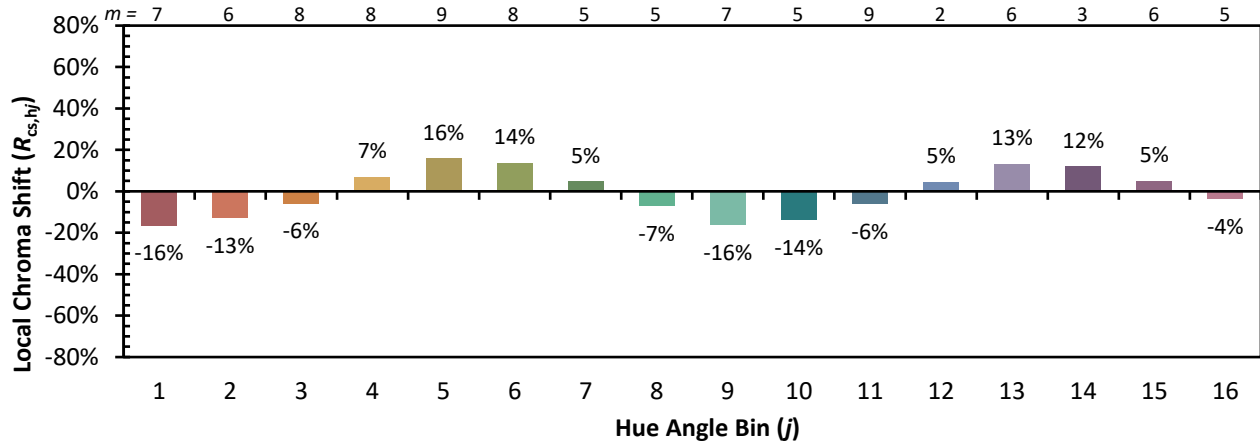
| | | | |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 54 | CES51 = 88 | CES76 = 43 |
| CES02 = 59 | CES27 = 79 | CES52 = 90 | CES77 = 64 |
| CES03 = 30 | CES28 = 77 | CES53 = 77 | CES78 = 46 |
| CES04 = 69 | CES29 = 50 | CES54 = 81 | CES79 = 74 |
| CES05 = 46 | CES30 = 59 | CES55 = 80 | CES80 = 70 |
| CES06 = 50 | CES31 = 55 | CES56 = 70 | CES81 = 71 |
| CES07 = 38 | CES32 = 52 | CES57 = 68 | CES82 = 88 |
| CES08 = 38 | CES33 = 63 | CES58 = 70 | CES83 = 82 |
| CES09 = 29 | CES34 = 63 | CES59 = 88 | CES84 = 87 |
| CES10 = 72 | CES35 = 79 | CES60 = 92 | CES85 = 84 |
| CES11 = 55 | CES36 = 90 | CES61 = 88 | CES86 = 76 |
| CES12 = 61 | CES37 = 72 | CES62 = 81 | CES87 = 75 |
| CES13 = 41 | CES38 = 68 | CES63 = 75 | CES88 = 77 |
| CES14 = 74 | CES39 = 91 | CES64 = 72 | CES89 = 76 |
| CES15 = 70 | CES40 = 83 | CES65 = 65 | CES90 = 76 |
| CES16 = 46 | CES41 = 84 | CES66 = 66 | CES91 = 92 |
| CES17 = 48 | CES42 = 70 | CES67 = 64 | CES92 = 70 |
| CES18 = 55 | CES43 = 69 | CES68 = 71 | CES93 = 83 |
| CES19 = 70 | CES44 = 98 | CES69 = 80 | CES94 = 60 |
| CES20 = 64 | CES45 = 79 | CES70 = 58 | CES95 = 73 |
| CES21 = 85 | CES46 = 78 | CES71 = 55 | CES96 = 79 |
| CES22 = 77 | CES47 = 76 | CES72 = 84 | CES97 = 84 |
| CES23 = 91 | CES48 = 68 | CES73 = 47 | CES98 = 73 |
| CES24 = 90 | CES49 = 78 | CES74 = 94 | CES99 = 62 |
| CES25 = 71 | CES50 = 87 | CES75 = 51 | |



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Measure Comparisons



(END OF REPORT)