

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: P643814

Luminaire Tested: GWS-SA6F-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-760-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26925.1 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

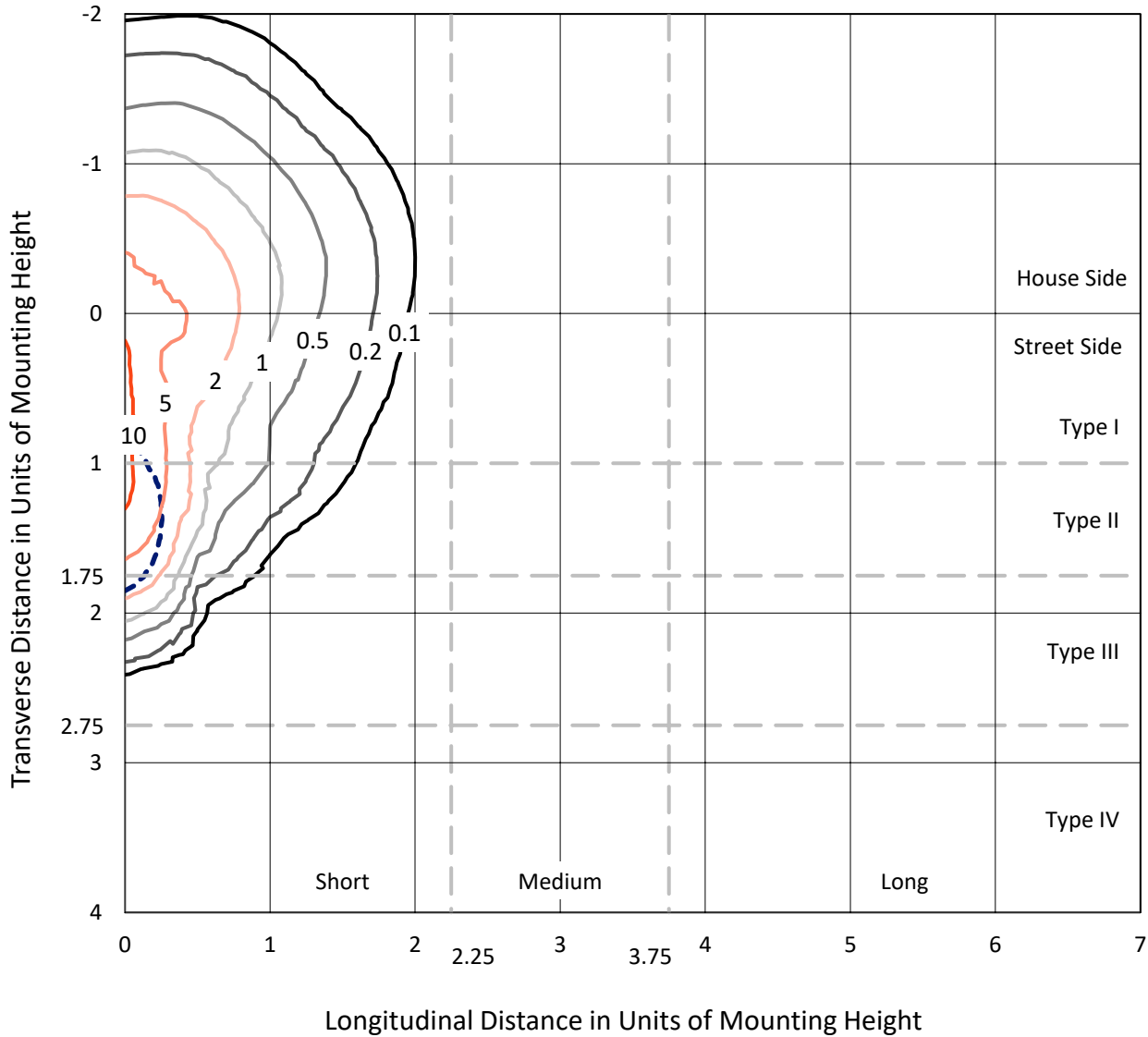
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643814
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Iso-Footcandle Lines of Horizontal Illumination

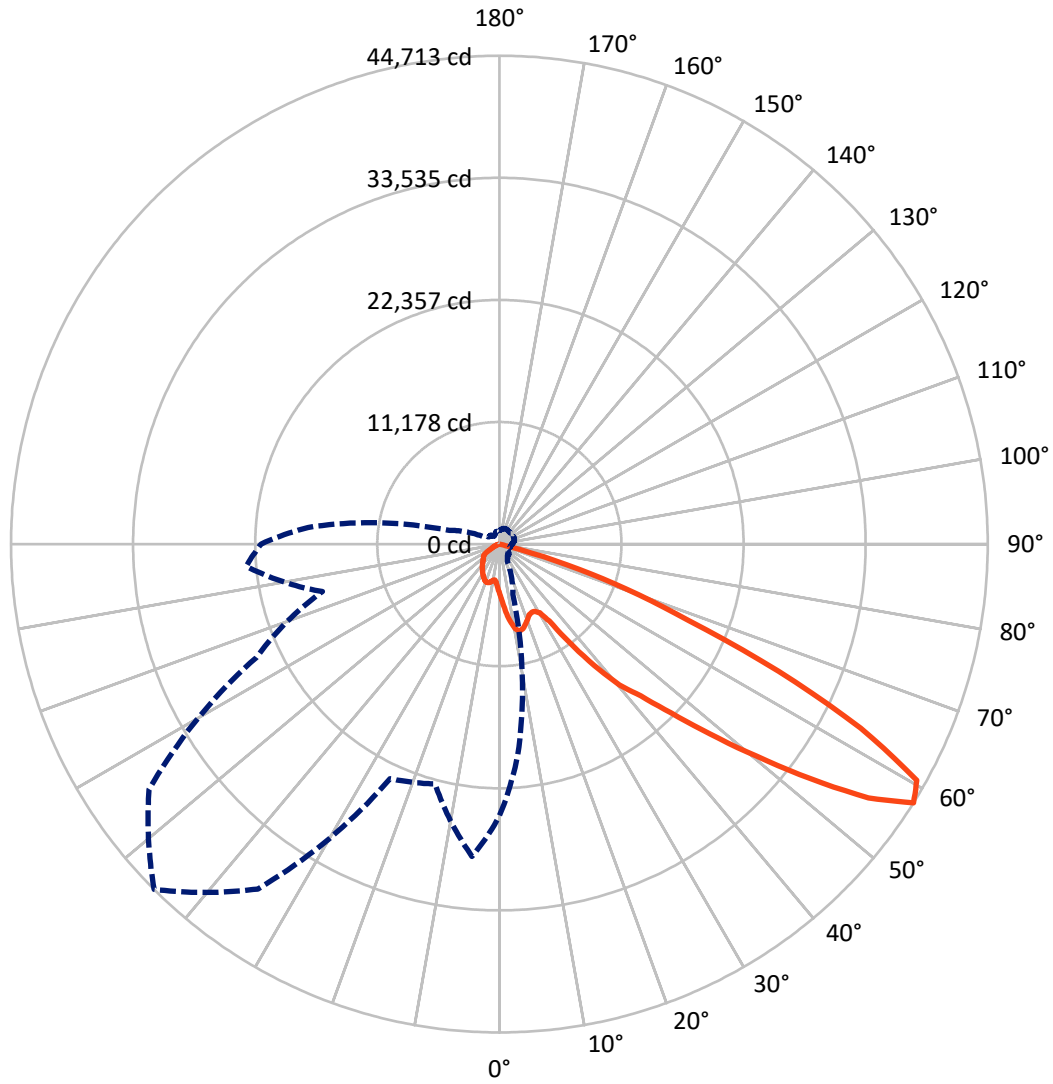
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Short - N/A

REPORT NUMBER: P643814
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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P643814
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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5800.6 | 0.0 | 5800.6 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 21124.5 | 0.0 | 21124.5 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 26925.1 | 0.0 | 26925.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 452.2 | 1.7 |
| 10°-20° | 1487.9 | 5.5 |
| 20°-30° | 2414.7 | 9.0 |
| 30°-40° | 3706.0 | 13.8 |
| 40°-50° | 5918.7 | 22.0 |
| 50°-60° | 8287.3 | 30.8 |
| 60°-70° | 4249.1 | 15.8 |
| 70°-80° | 409.1 | 1.5 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 26925.1 | 100.0 |
| 0°-180° | 26925.1 | 100.0 |

Coefficient of Utilization

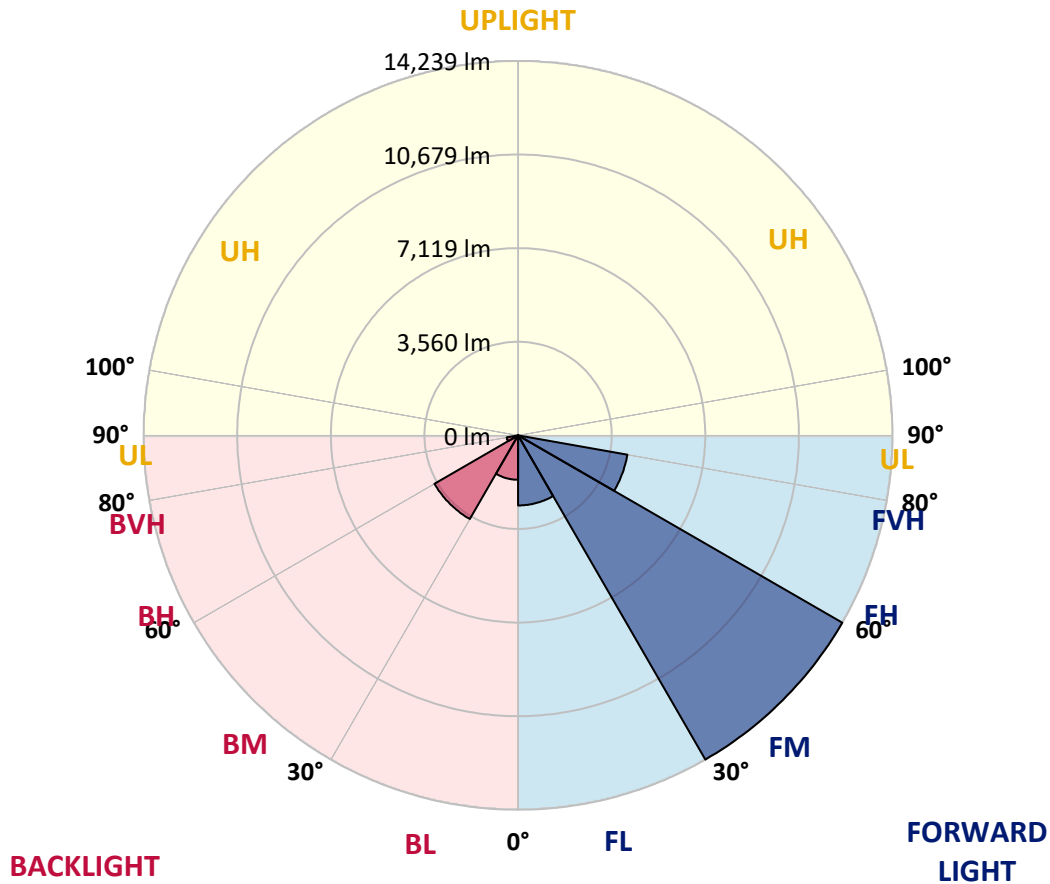


REPORT NUMBER: P643814
 CATALOG NUMBER: GWS-SA6F-760-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2665.8 | 9.9 | | | |
| FM (30°-60°) | 14238.6 | 52.9 | | | |
| FH (60°-80°) | 4220.1 | 15.7 | | | G2/5000 |
| FVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1689.0 | 6.3 | B3/2500 | | |
| BM (30°-60°) | 3673.4 | 13.6 | B3/5000 | | |
| BH (60°-80°) | 438.1 | 1.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2
 Type III Short





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CATALOG NUMBER: GWS-SA6F-760-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 |
| 2.5° | 5082.5 | 5071.7 | 5035.7 | 4913.3 | 4837.7 | 4719.0 | 4632.6 | 4521.0 | 4398.6 | 4323.0 | 4247.4 |
| 5° | 5622.4 | 5593.6 | 5496.4 | 5215.7 | 4999.7 | 4765.7 | 4578.6 | 4373.4 | 4153.8 | 4009.9 | 3876.7 |
| 7.5° | 6140.8 | 6097.6 | 5968.0 | 5492.8 | 5165.3 | 4830.5 | 4564.2 | 4265.4 | 3955.9 | 3739.9 | 3574.3 |
| 10° | 6648.3 | 6551.1 | 6345.9 | 5762.8 | 5320.1 | 4916.9 | 4603.8 | 4261.8 | 3898.3 | 3624.7 | 3441.1 |
| 12.5° | 7065.8 | 6993.8 | 6713.1 | 6018.4 | 5449.7 | 4934.9 | 4549.8 | 4233.0 | 3988.3 | 3804.7 | 3635.5 |
| 15° | 7425.8 | 7346.6 | 7080.2 | 6248.7 | 5561.2 | 4862.9 | 4323.0 | 4045.8 | 4085.4 | 4157.4 | 4013.5 |
| 17.5° | 7756.9 | 7674.1 | 7386.2 | 6439.5 | 5604.4 | 4686.6 | 4006.3 | 3873.1 | 4092.6 | 4362.6 | 4308.6 |
| 20° | 8098.9 | 8005.3 | 7652.6 | 6594.3 | 5590.0 | 4409.4 | 3685.9 | 3725.5 | 4035.0 | 4344.6 | 4373.4 |
| 22.5° | 8498.4 | 8401.2 | 7990.9 | 6792.3 | 5579.2 | 4078.2 | 3408.7 | 3595.9 | 3927.1 | 4189.8 | 4240.2 |
| 25° | 9027.6 | 8912.4 | 8462.4 | 7083.8 | 5608.0 | 3775.9 | 3210.8 | 3469.9 | 3743.5 | 3981.1 | 4009.9 |
| 27.5° | 9725.9 | 9578.3 | 9006.0 | 7443.8 | 5669.2 | 3538.3 | 3124.4 | 3297.1 | 3509.5 | 3721.9 | 3747.1 |
| 30° | 10636.5 | 10449.4 | 9628.7 | 7756.9 | 5640.4 | 3372.7 | 3066.8 | 3124.4 | 3250.4 | 3423.1 | 3426.7 |
| 32.5° | 11702.0 | 11446.4 | 10327.0 | 8026.9 | 5392.1 | 3250.4 | 2987.6 | 2948.0 | 2976.8 | 3110.0 | 3135.2 |
| 35° | 12954.6 | 12623.5 | 11097.3 | 8282.5 | 4938.5 | 3012.8 | 2843.6 | 2710.4 | 2699.6 | 2764.4 | 2825.6 |
| 37.5° | 14390.8 | 13994.9 | 12069.1 | 8610.0 | 4402.2 | 2764.4 | 2631.2 | 2498.1 | 2440.5 | 2472.9 | 2566.4 |
| 40° | 15715.4 | 15276.3 | 13084.2 | 9006.0 | 3855.1 | 2541.3 | 2382.9 | 2246.1 | 2177.7 | 2188.5 | 2303.7 |
| 42.5° | 17270.4 | 16816.9 | 14326.0 | 9524.3 | 3401.5 | 2390.1 | 2123.7 | 1983.3 | 1893.3 | 1943.7 | 2076.9 |
| 45° | 19631.7 | 19117.0 | 16136.6 | 9974.2 | 3041.6 | 2354.1 | 1896.9 | 1699.0 | 1655.8 | 1742.2 | 1900.5 |
| 47.5° | 22856.9 | 22227.0 | 18623.8 | 10247.8 | 2735.6 | 2386.5 | 1738.6 | 1468.6 | 1479.4 | 1576.6 | 1735.0 |
| 50° | 26056.8 | 25376.5 | 21499.9 | 9887.8 | 2483.7 | 2321.7 | 1659.4 | 1288.6 | 1357.0 | 1443.4 | 1587.4 |
| 52.5° | 28256.1 | 27370.7 | 22900.1 | 8847.6 | 2253.3 | 2076.9 | 1652.2 | 1119.4 | 1249.0 | 1277.8 | 1400.2 |
| 55° | 28342.5 | 27251.9 | 22183.8 | 6975.8 | 1940.1 | 1753.0 | 1576.6 | 979.1 | 1130.2 | 1141.0 | 1245.4 |
| 57.5° | 24843.8 | 23857.5 | 19386.9 | 4790.9 | 1724.2 | 1285.0 | 1256.2 | 856.7 | 928.7 | 1018.7 | 1083.5 |
| 60° | 18901.0 | 18062.3 | 14498.8 | 2195.7 | 1310.2 | 817.1 | 860.3 | 737.9 | 694.7 | 827.9 | 892.7 |
| 62.5° | 11576.0 | 11039.7 | 8696.4 | 971.9 | 835.1 | 435.5 | 521.9 | 586.7 | 521.9 | 572.3 | 626.3 |
| 65° | 4596.6 | 4359.0 | 3300.7 | 413.9 | 342.0 | 219.6 | 237.6 | 342.0 | 367.1 | 403.1 | 453.5 |
| 67.5° | 799.1 | 755.9 | 554.3 | 183.6 | 140.4 | 133.2 | 115.2 | 158.4 | 223.2 | 248.4 | 288.0 |
| 70° | 104.4 | 100.8 | 90.0 | 75.6 | 72.0 | 64.8 | 50.4 | 100.8 | 151.2 | 158.4 | 183.6 |
| 72.5° | 25.2 | 21.6 | 21.6 | 18.0 | 21.6 | 7.2 | 7.2 | 54.0 | 108.0 | 111.6 | 129.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.0 | 68.4 | 75.6 | 90.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 |
| 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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CATALOG NUMBER: GWS-SA6F-760-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 |
| 2.5° | 4186.2 | 4114.2 | 4089.0 | 4053.0 | 4006.3 | 4020.6 | 3955.9 | 3934.3 | 3966.7 | 4009.9 | 3999.1 |
| 5° | 3804.7 | 3725.5 | 3671.5 | 3588.7 | 3574.3 | 3541.9 | 3520.3 | 3491.5 | 3527.5 | 3577.9 | 3588.7 |
| 7.5° | 3502.3 | 3433.9 | 3379.9 | 3354.7 | 3336.7 | 3322.3 | 3279.2 | 3257.6 | 3257.6 | 3279.2 | 3297.1 |
| 10° | 3372.7 | 3322.3 | 3311.5 | 3318.7 | 3347.5 | 3343.9 | 3304.3 | 3275.6 | 3239.6 | 3221.6 | 3243.2 |
| 12.5° | 3552.7 | 3469.9 | 3455.5 | 3459.1 | 3495.1 | 3491.5 | 3448.3 | 3412.3 | 3405.1 | 3412.3 | 3480.7 |
| 15° | 3858.7 | 3732.7 | 3639.1 | 3621.1 | 3639.1 | 3631.9 | 3599.5 | 3577.9 | 3588.7 | 3693.1 | 3808.3 |
| 17.5° | 4132.2 | 3937.9 | 3768.7 | 3703.9 | 3700.3 | 3689.5 | 3657.1 | 3649.9 | 3703.9 | 3898.3 | 4067.4 |
| 20° | 4211.4 | 4020.6 | 3779.5 | 3696.7 | 3678.7 | 3667.9 | 3631.9 | 3642.7 | 3711.1 | 3945.1 | 4089.0 |
| 22.5° | 4107.0 | 3923.5 | 3671.5 | 3588.7 | 3574.3 | 3570.7 | 3534.7 | 3549.1 | 3606.7 | 3811.9 | 3930.7 |
| 25° | 3909.1 | 3754.3 | 3491.5 | 3419.5 | 3419.5 | 3412.3 | 3379.9 | 3387.1 | 3423.1 | 3603.1 | 3718.3 |
| 27.5° | 3667.9 | 3520.3 | 3300.7 | 3228.8 | 3239.6 | 3250.4 | 3210.8 | 3200.0 | 3228.8 | 3397.9 | 3466.3 |
| 30° | 3390.7 | 3286.3 | 3113.6 | 3048.8 | 3045.2 | 3088.4 | 3034.4 | 3020.0 | 3059.6 | 3192.8 | 3207.2 |
| 32.5° | 3120.8 | 3070.4 | 2948.0 | 2897.6 | 2901.2 | 2908.4 | 2879.6 | 2879.6 | 2915.6 | 2987.6 | 2984.0 |
| 35° | 2858.0 | 2825.6 | 2804.0 | 2768.0 | 2764.4 | 2750.0 | 2750.0 | 2757.2 | 2796.8 | 2822.0 | 2775.2 |
| 37.5° | 2606.0 | 2638.4 | 2663.6 | 2627.6 | 2598.8 | 2598.8 | 2598.8 | 2631.2 | 2667.2 | 2656.4 | 2577.2 |
| 40° | 2382.9 | 2451.3 | 2530.5 | 2490.9 | 2422.5 | 2418.9 | 2433.3 | 2487.3 | 2541.3 | 2476.5 | 2404.5 |
| 42.5° | 2192.1 | 2278.5 | 2390.1 | 2368.5 | 2292.9 | 2282.1 | 2292.9 | 2361.3 | 2404.5 | 2321.7 | 2242.5 |
| 45° | 2004.9 | 2112.9 | 2246.1 | 2246.1 | 2163.3 | 2152.5 | 2156.1 | 2246.1 | 2271.3 | 2174.1 | 2073.3 |
| 47.5° | 1846.5 | 1965.3 | 2105.7 | 2105.7 | 2037.3 | 2015.7 | 2033.7 | 2127.3 | 2145.3 | 2008.5 | 1914.9 |
| 50° | 1695.4 | 1825.0 | 1979.7 | 1968.9 | 1922.1 | 1904.1 | 1936.5 | 2037.3 | 2015.7 | 1864.5 | 1767.4 |
| 52.5° | 1504.6 | 1641.4 | 1853.7 | 1864.5 | 1839.3 | 1842.9 | 1882.5 | 1947.3 | 1886.1 | 1702.6 | 1619.8 |
| 55° | 1331.8 | 1472.2 | 1684.6 | 1742.2 | 1742.2 | 1738.6 | 1756.6 | 1807.0 | 1756.6 | 1537.0 | 1436.2 |
| 57.5° | 1144.6 | 1263.4 | 1439.8 | 1454.2 | 1465.0 | 1425.4 | 1450.6 | 1519.0 | 1493.8 | 1306.6 | 1249.0 |
| 60° | 939.5 | 1040.3 | 1141.0 | 1151.8 | 1105.0 | 1022.3 | 1069.1 | 1148.2 | 1166.2 | 1025.9 | 961.1 |
| 62.5° | 665.9 | 763.1 | 881.9 | 881.9 | 835.1 | 752.3 | 813.5 | 881.9 | 856.7 | 712.7 | 673.1 |
| 65° | 496.7 | 586.7 | 676.7 | 716.3 | 676.7 | 619.1 | 665.9 | 716.3 | 676.7 | 557.9 | 500.3 |
| 67.5° | 320.4 | 381.5 | 435.5 | 467.9 | 475.1 | 467.9 | 489.5 | 475.1 | 428.3 | 349.2 | 316.8 |
| 70° | 194.4 | 226.8 | 255.6 | 284.4 | 306.0 | 316.8 | 327.6 | 295.2 | 248.4 | 205.2 | 194.4 |
| 72.5° | 140.4 | 169.2 | 194.4 | 216.0 | 241.2 | 248.4 | 248.4 | 226.8 | 183.6 | 144.0 | 133.2 |
| 75° | 97.2 | 122.4 | 144.0 | 158.4 | 180.0 | 187.2 | 187.2 | 169.2 | 136.8 | 104.4 | 93.6 |
| 77.5° | 3.6 | 25.2 | 25.2 | 21.6 | 28.8 | 36.0 | 36.0 | 43.2 | 39.6 | 28.8 | 25.2 |
| 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° | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 |
| 2.5° | 4020.6 | 4150.2 | 4186.2 | 4319.4 | 4438.2 | 4557.0 | 4701.0 | 4787.3 | 4916.9 | 5006.9 | 5057.3 |
| 5° | 3624.7 | 3732.7 | 3862.3 | 4060.2 | 4265.4 | 4492.2 | 4765.7 | 5003.3 | 5302.1 | 5521.6 | 5593.6 |
| 7.5° | 3336.7 | 3477.1 | 3628.3 | 3876.7 | 4157.4 | 4459.8 | 4844.9 | 5233.7 | 5690.8 | 5989.6 | 6180.4 |
| 10° | 3282.8 | 3426.7 | 3628.3 | 3873.1 | 4168.2 | 4513.8 | 4985.3 | 5489.2 | 6061.6 | 6425.1 | 6641.1 |
| 12.5° | 3541.9 | 3696.7 | 3783.1 | 3894.7 | 4117.8 | 4503.0 | 5107.7 | 5748.4 | 6421.5 | 6817.5 | 7047.8 |
| 15° | 3923.5 | 4060.2 | 3919.9 | 3779.5 | 3923.5 | 4387.8 | 5176.1 | 5964.4 | 6738.3 | 7195.4 | 7433.0 |
| 17.5° | 4186.2 | 4197.0 | 3891.1 | 3592.3 | 3631.9 | 4179.0 | 5201.3 | 6180.4 | 7076.6 | 7555.4 | 7803.7 |
| 20° | 4161.0 | 4074.6 | 3765.1 | 3433.9 | 3311.5 | 3909.1 | 5172.5 | 6371.1 | 7418.6 | 7918.9 | 8163.7 |
| 22.5° | 3966.7 | 3865.9 | 3603.1 | 3279.2 | 3041.6 | 3588.7 | 5122.1 | 6543.9 | 7731.7 | 8300.5 | 8530.8 |
| 25° | 3732.7 | 3624.7 | 3408.7 | 3124.4 | 2868.8 | 3279.2 | 5082.5 | 6781.5 | 8127.7 | 8797.2 | 8977.2 |
| 27.5° | 3459.1 | 3365.5 | 3182.0 | 2976.8 | 2796.8 | 3045.2 | 5071.7 | 7094.6 | 8606.4 | 9401.9 | 9527.9 |
| 30° | 3192.8 | 3106.4 | 2962.4 | 2843.6 | 2768.0 | 2908.4 | 5035.7 | 7429.4 | 9178.7 | 10096.6 | 10233.4 |
| 32.5° | 2937.2 | 2850.8 | 2760.8 | 2742.8 | 2746.4 | 2858.0 | 4913.3 | 7760.5 | 9859.0 | 11104.5 | 11205.3 |
| 35° | 2717.6 | 2616.8 | 2580.8 | 2624.0 | 2703.2 | 2771.6 | 4567.8 | 8034.1 | 10589.7 | 12202.3 | 12285.1 |
| 37.5° | 2508.9 | 2408.1 | 2404.5 | 2508.9 | 2595.2 | 2638.4 | 4161.0 | 8304.1 | 11576.0 | 13318.2 | 13422.6 |
| 40° | 2318.1 | 2217.3 | 2253.3 | 2379.3 | 2447.7 | 2469.3 | 3667.9 | 8714.4 | 12619.9 | 14495.2 | 14437.6 |
| 42.5° | 2156.1 | 2051.7 | 2073.3 | 2235.3 | 2296.5 | 2354.1 | 3214.4 | 9056.4 | 13624.1 | 15611.1 | 15593.1 |
| 45° | 1997.7 | 1918.5 | 1904.1 | 2080.5 | 2134.5 | 2364.9 | 2883.2 | 9319.1 | 14916.4 | 17032.9 | 17061.7 |
| 47.5° | 1842.9 | 1781.8 | 1785.4 | 1860.9 | 1994.1 | 2418.9 | 2602.4 | 9491.9 | 16791.7 | 19286.2 | 18785.8 |
| 50° | 1702.6 | 1655.8 | 1695.4 | 1609.0 | 1904.1 | 2350.5 | 2361.3 | 9455.9 | 18886.6 | 21445.9 | 20441.6 |
| 52.5° | 1547.8 | 1537.0 | 1555.0 | 1346.2 | 1760.2 | 2073.3 | 2134.5 | 8977.2 | 19869.3 | 22921.7 | 22349.3 |
| 55° | 1389.4 | 1385.8 | 1241.8 | 1076.3 | 1472.2 | 1655.8 | 1828.5 | 7490.6 | 19836.9 | 23706.4 | 24401.1 |
| 57.5° | 1202.2 | 1173.4 | 943.1 | 878.3 | 1144.6 | 1151.8 | 1666.6 | 4906.1 | 17580.0 | 21827.4 | 23267.2 |
| 60° | 910.7 | 889.1 | 691.1 | 712.7 | 799.1 | 737.9 | 1328.2 | 2444.1 | 13138.2 | 17004.1 | 18627.4 |
| 62.5° | 629.9 | 601.1 | 514.7 | 550.7 | 514.7 | 421.1 | 813.5 | 1209.4 | 7958.5 | 10737.3 | 12209.5 |
| 65° | 460.7 | 428.3 | 352.8 | 302.4 | 241.2 | 241.2 | 309.6 | 464.3 | 3081.2 | 4564.2 | 5503.6 |
| 67.5° | 284.4 | 270.0 | 208.8 | 151.2 | 147.6 | 158.4 | 162.0 | 230.4 | 496.7 | 791.9 | 968.3 |
| 70° | 183.6 | 169.2 | 140.4 | 97.2 | 90.0 | 93.6 | 97.2 | 108.0 | 126.0 | 136.8 | 165.6 |
| 72.5° | 126.0 | 118.8 | 100.8 | 54.0 | 43.2 | 46.8 | 50.4 | 50.4 | 61.2 | 57.6 | 68.4 |
| 75° | 90.0 | 82.8 | 72.0 | 25.2 | 14.4 | 18.0 | 21.6 | 18.0 | 21.6 | 14.4 | 18.0 |
| 77.5° | 25.2 | 25.2 | 18.0 | 3.6 | 0.0 | 3.6 | 7.2 | 7.2 | 3.6 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 3.6 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P643814

CATALOG NUMBER: GWS-SA6F-760-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 | 4575.0 |
| 2.5° | 5186.9 | 5269.7 | 5302.1 | 5255.3 | 5294.9 | 5230.1 | 5204.9 | 5107.7 | 5100.5 | 5082.5 |
| 5° | 5885.2 | 6072.4 | 6184.0 | 6252.3 | 6173.2 | 6086.8 | 5957.2 | 5734.0 | 5665.6 | 5622.4 |
| 7.5° | 6572.7 | 6864.3 | 7055.0 | 7145.0 | 7123.4 | 6947.0 | 6713.1 | 6338.7 | 6205.6 | 6140.8 |
| 10° | 7170.2 | 7526.6 | 7756.9 | 7868.5 | 7821.7 | 7666.9 | 7332.2 | 6864.3 | 6687.9 | 6648.3 |
| 12.5° | 7587.8 | 7915.3 | 8073.7 | 8170.9 | 8174.5 | 8113.3 | 7796.5 | 7325.0 | 7116.2 | 7065.8 |
| 15° | 7850.5 | 7990.9 | 7994.5 | 8052.1 | 8152.9 | 8289.7 | 8142.1 | 7724.5 | 7501.4 | 7425.8 |
| 17.5° | 8016.1 | 7861.3 | 7702.9 | 7717.3 | 7882.9 | 8246.5 | 8397.6 | 8077.3 | 7839.7 | 7756.9 |
| 20° | 8134.9 | 7645.4 | 7350.2 | 7353.8 | 7523.0 | 8073.7 | 8574.0 | 8419.2 | 8174.5 | 8098.9 |
| 22.5° | 8210.5 | 7454.6 | 7033.4 | 7022.6 | 7202.6 | 7868.5 | 8736.0 | 8826.0 | 8584.8 | 8498.4 |
| 25° | 8365.3 | 7364.6 | 6842.7 | 6903.9 | 7062.2 | 7803.7 | 8955.6 | 9365.9 | 9142.7 | 9027.6 |
| 27.5° | 8642.4 | 7454.6 | 6824.7 | 6965.0 | 7145.0 | 7994.5 | 9337.1 | 10085.8 | 9855.5 | 9725.9 |
| 30° | 9121.2 | 7792.9 | 7101.8 | 7296.2 | 7512.2 | 8494.8 | 9977.8 | 11090.1 | 10758.9 | 10636.5 |
| 32.5° | 9891.4 | 8494.8 | 7958.5 | 8376.1 | 8584.8 | 9315.5 | 10938.9 | 12216.7 | 11946.8 | 11702.0 |
| 35° | 10953.3 | 10096.6 | 10035.4 | 11007.3 | 10956.9 | 10870.5 | 12119.5 | 13598.9 | 13192.2 | 12954.6 |
| 37.5° | 12414.7 | 12673.9 | 13127.4 | 14092.1 | 14059.7 | 13401.0 | 13670.9 | 14905.6 | 14696.8 | 14390.8 |
| 40° | 14239.6 | 14790.4 | 15560.7 | 16942.9 | 16510.9 | 15683.1 | 15575.1 | 16244.6 | 16075.4 | 15715.4 |
| 42.5° | 15315.9 | 16266.2 | 17734.8 | 18976.6 | 18631.0 | 17184.0 | 17061.7 | 18033.5 | 17662.8 | 17270.4 |
| 45° | 15816.2 | 17468.4 | 20348.0 | 22029.0 | 20981.5 | 18181.1 | 18134.3 | 20366.0 | 20157.2 | 19631.7 |
| 47.5° | 16046.6 | 18681.4 | 23407.6 | 25952.4 | 23994.3 | 19055.8 | 18886.6 | 23749.5 | 23476.0 | 22856.9 |
| 50° | 16302.2 | 20355.2 | 27093.5 | 30498.6 | 27633.4 | 20045.7 | 20168.0 | 26902.7 | 26787.5 | 26056.8 |
| 52.5° | 16863.7 | 22126.2 | 31632.5 | 35696.3 | 32046.4 | 21597.0 | 22367.3 | 29875.9 | 29098.4 | 28256.1 |
| 55° | 17706.0 | 24055.5 | 36355.0 | 41005.6 | 36549.4 | 23681.2 | 24746.6 | 31456.1 | 29274.8 | 28342.5 |
| 57.5° | 16773.7 | 24537.8 | 39151.8 | 44713.1 | 38547.1 | 23688.4 | 22734.5 | 28716.9 | 25747.3 | 24843.8 |
| 60° | 13311.0 | 22828.1 | 38075.6 | 43910.4 | 36844.6 | 21035.5 | 17407.2 | 22421.3 | 19505.7 | 18901.0 |
| 62.5° | 8998.8 | 19145.8 | 33518.6 | 37136.1 | 31535.3 | 16546.9 | 11313.3 | 14581.6 | 12076.3 | 11576.0 |
| 65° | 4931.3 | 14282.8 | 27082.7 | 28094.2 | 24681.8 | 11558.0 | 5820.4 | 6327.9 | 4819.7 | 4596.6 |
| 67.5° | 1360.6 | 9941.8 | 19926.9 | 18638.2 | 17317.2 | 7526.6 | 1504.6 | 1130.2 | 806.3 | 799.1 |
| 70° | 342.0 | 6576.3 | 11939.6 | 12306.7 | 10618.5 | 4819.7 | 288.0 | 136.8 | 108.0 | 104.4 |
| 72.5° | 144.0 | 2829.2 | 5665.6 | 6511.5 | 5435.3 | 2231.7 | 104.4 | 39.6 | 32.4 | 25.2 |
| 75° | 18.0 | 226.8 | 482.3 | 730.7 | 500.3 | 241.2 | 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 |
| 80° | 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 |
| 85° | 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 |
| 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
 CIE u': 0.2052
 CIE v': 0.4804
 Duv: 0.0025
 CIE x: 0.3330
 CIE y: 0.3466
 CIE z: 0.3204
 Peak Wavelength (nm): 442
 Dominant Wavelength (nm): 554
 Purity: 4.1

| | | | |
|-----------|------|------|-------|
| CRI (Ra): | 71.7 | | |
| R1: | 70.6 | R9: | -27.1 |
| R2: | 74.6 | R10: | 40.8 |
| R3: | 78.3 | R11: | 74.6 |
| R4: | 73.8 | R12: | 50.4 |
| R5: | 72.4 | R13: | 70.0 |
| R6: | 67.5 | R14: | 87.8 |
| R7: | 77.5 | | |
| R8: | 58.9 | | |

Rf: 72.1
 Rg: 97.2



Test Conditions

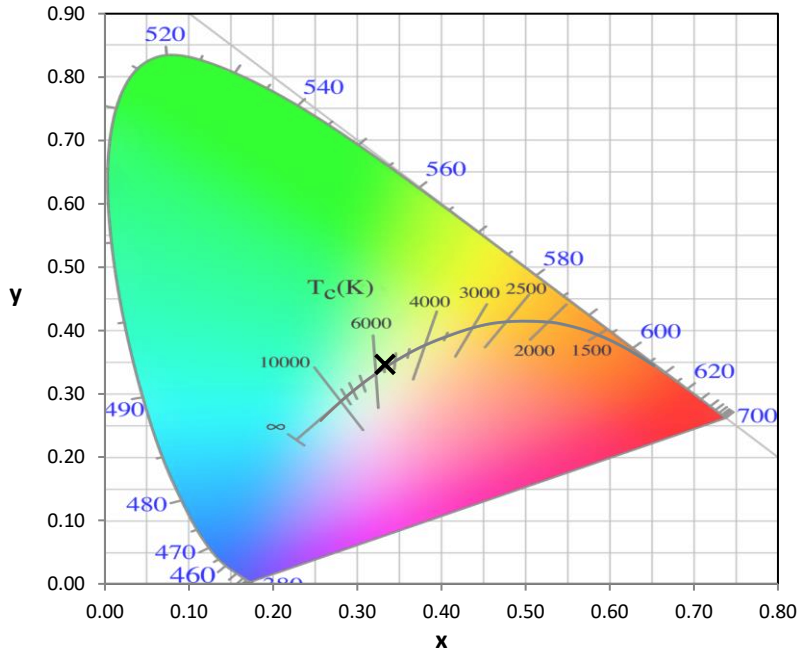
Stabilization Time: 240M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 24.6/31%
 Sphere Temperature (°C): 25.9

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

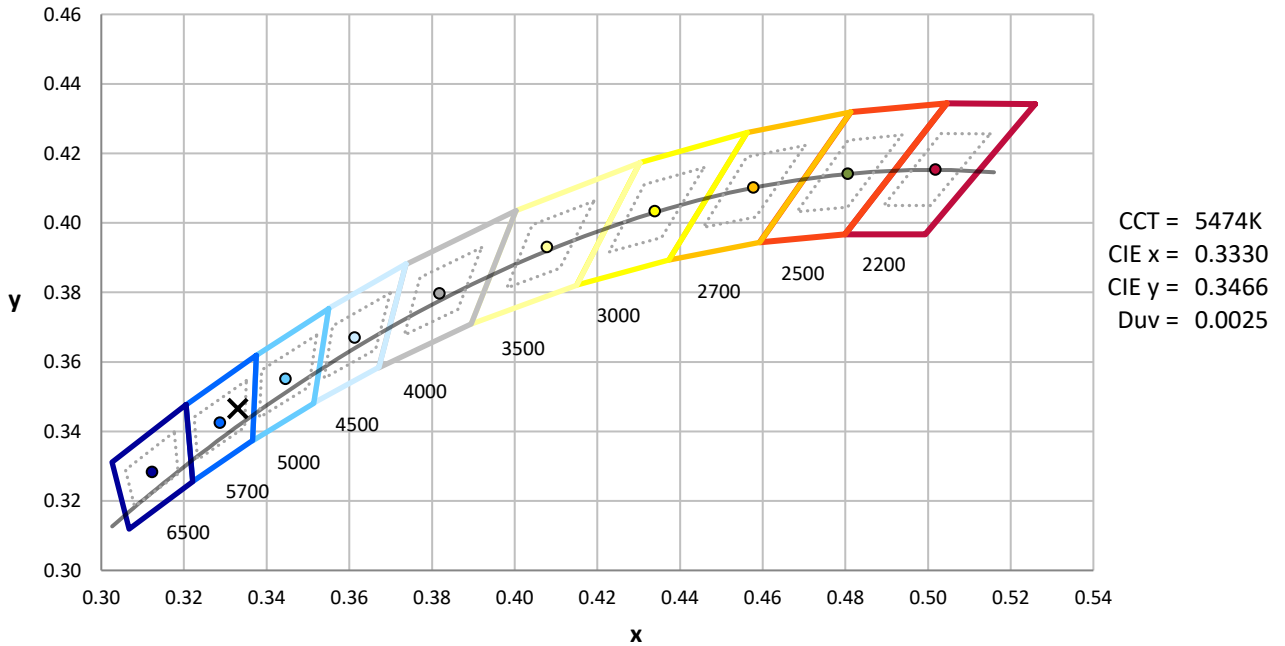
| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/28/2019 | 12/28/2019 |
| Power Meter | IN0071 | 12/5/2018 | 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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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)