

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: P643323

Luminaire Tested: GWS-SA6E-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT 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: 24094.2 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

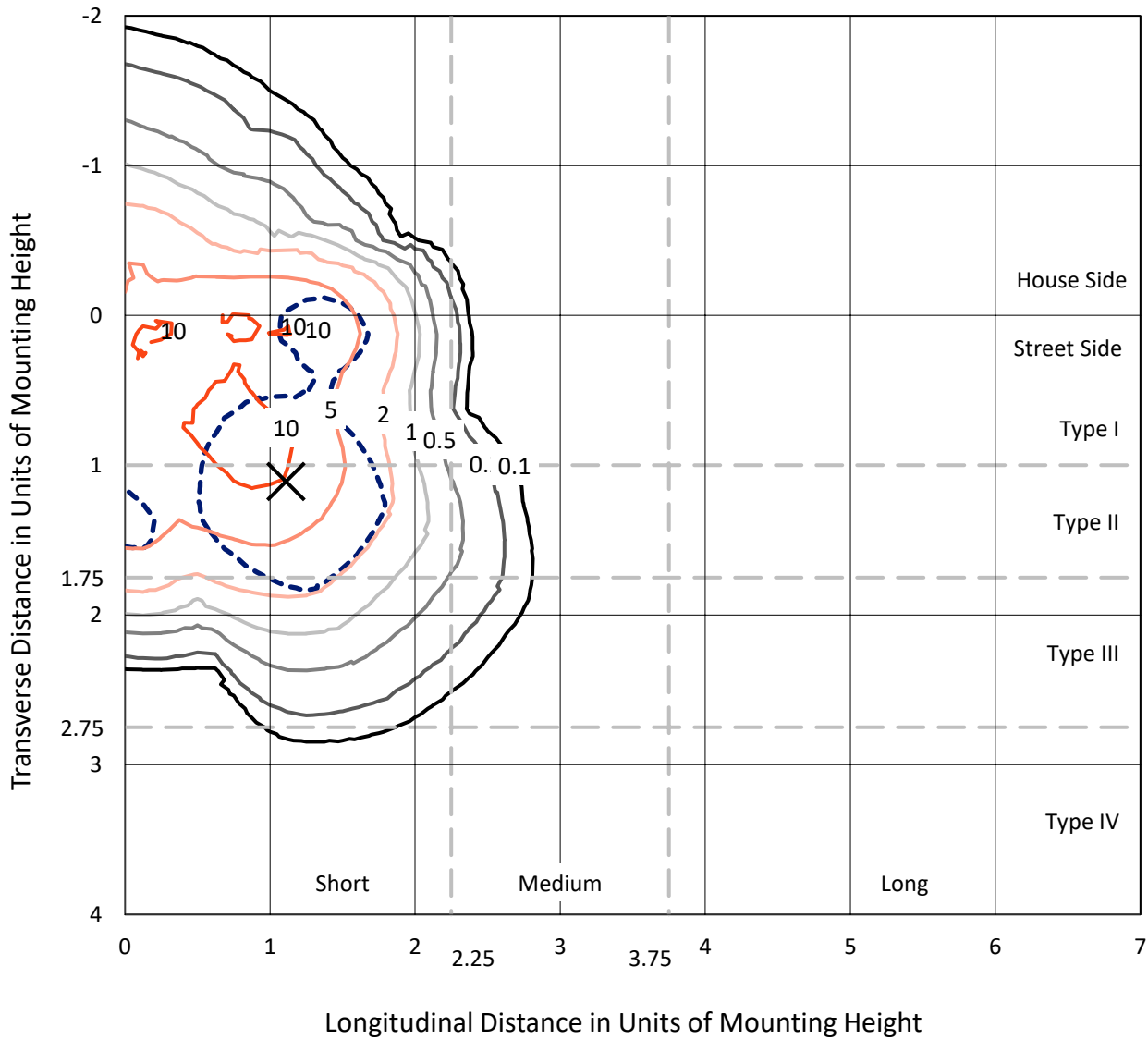
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

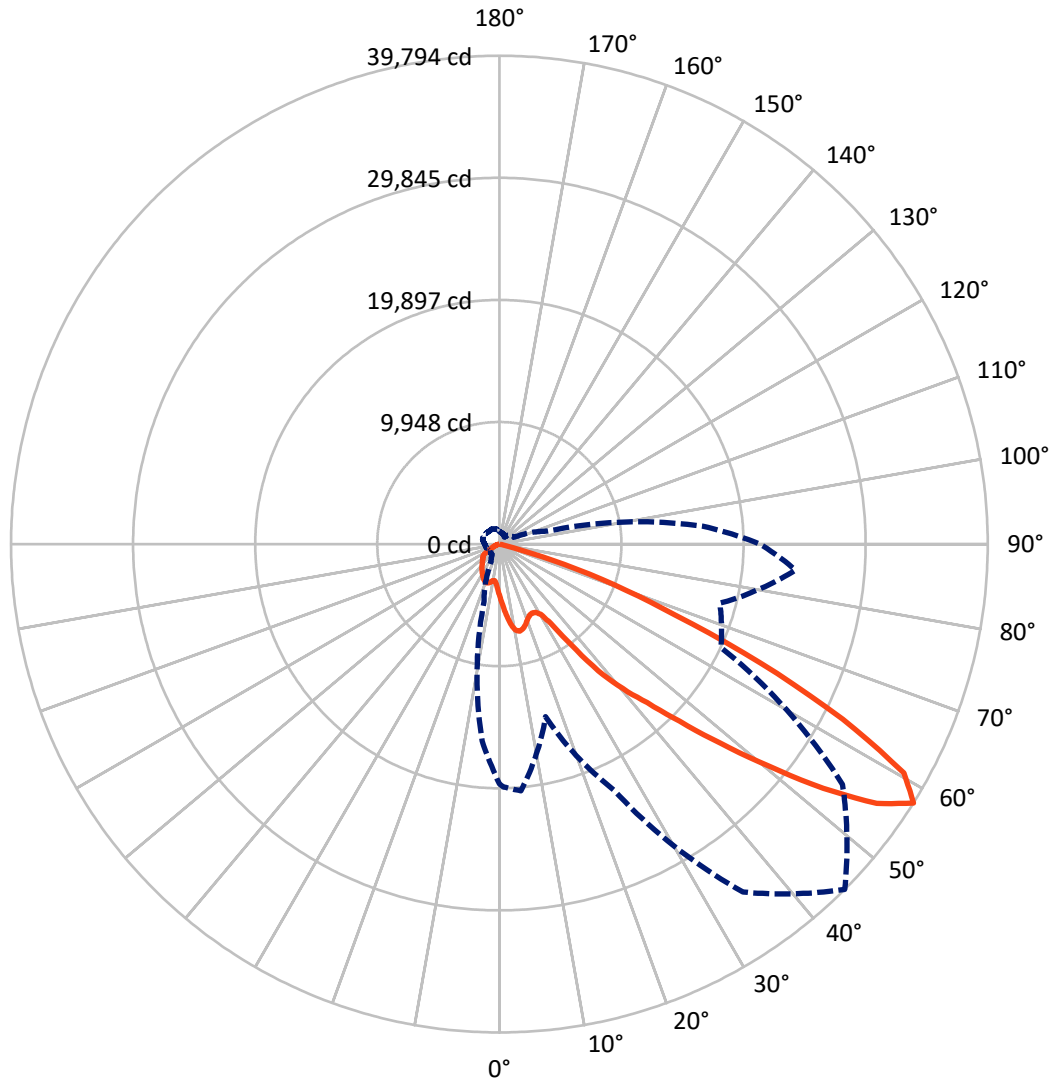
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5395.3 | 0.0 | 5395.3 |
| | % Fixture | 22.4 | 0.0 | 22.4 |
| Street Side | Lumens | 18698.9 | 0.0 | 18698.9 |
| | % Fixture | 77.6 | 0.0 | 77.6 |
| Total | Lumens | 24094.2 | 0.0 | 24094.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 416.6 | 1.7 |
| 10°-20° | 1347.7 | 5.6 |
| 20°-30° | 2189.3 | 9.1 |
| 30°-40° | 3382.7 | 14.0 |
| 40°-50° | 5424.2 | 22.5 |
| 50°-60° | 7413.4 | 30.8 |
| 60°-70° | 3590.5 | 14.9 |
| 70°-80° | 328.8 | 1.4 |
| 80°-90° | 1.0 | 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° | 24094.2 | 100.0 |
| 0°-180° | 24094.2 | 100.0 |

Coefficient of Utilization



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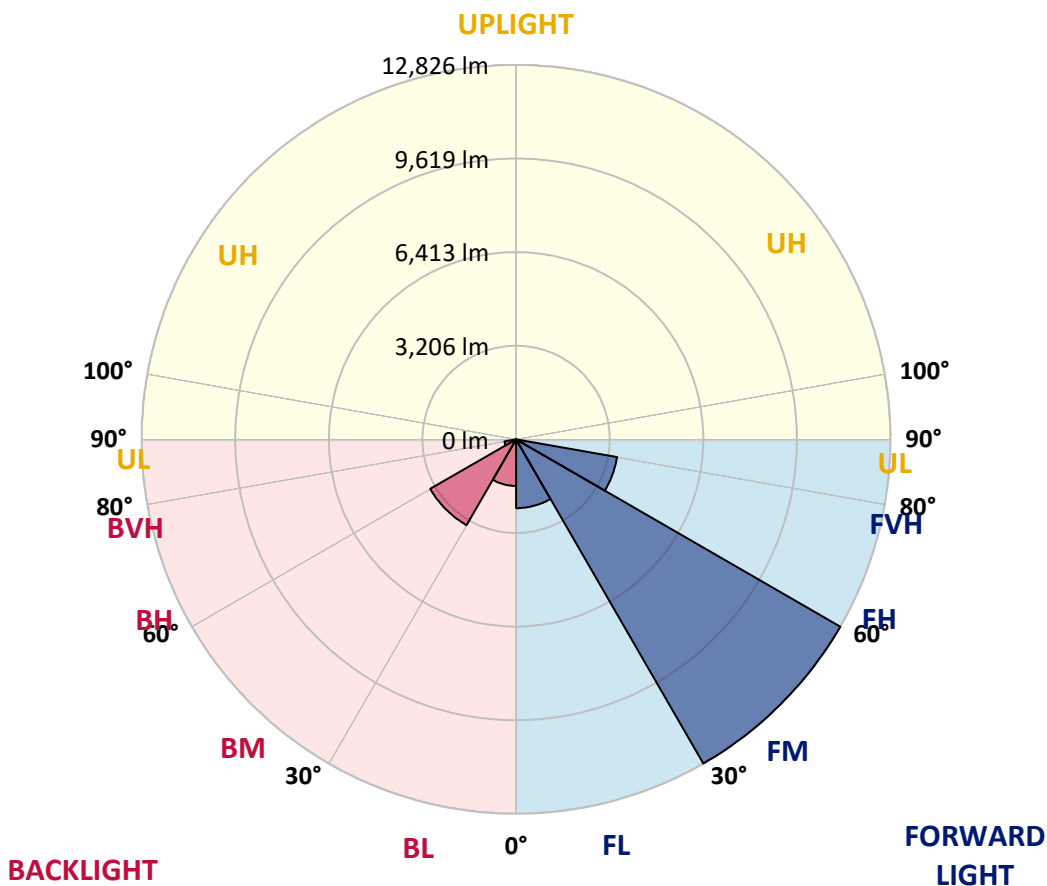
CATALOG NUMBER: GWS-SA6E-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2357.1 | 9.8 | | | |
| FM (30°-60°) | 12825.9 | 53.2 | | | |
| FH (60°-80°) | 3514.9 | 14.6 | | | G2/5000 |
| FVH (80°-90°) | 1.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1596.4 | 6.6 | B3/2500 | | |
| BM (30°-60°) | 3394.5 | 14.1 | B3/5000 | | |
| BH (60°-80°) | 404.4 | 1.7 | 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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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 |
| 2.5° | 4587.7 | 4616.9 | 4665.4 | 4769.0 | 4856.4 | 4914.7 | 4940.6 | 4934.1 | 4898.5 | 4872.6 | 4820.8 |
| 5° | 5079.8 | 5079.8 | 5173.7 | 5410.1 | 5591.4 | 5704.7 | 5763.0 | 5727.4 | 5656.1 | 5542.8 | 5368.0 |
| 7.5° | 5510.4 | 5526.6 | 5685.3 | 6022.0 | 6297.2 | 6459.1 | 6553.0 | 6533.5 | 6407.3 | 6190.3 | 5840.7 |
| 10° | 5847.2 | 5866.6 | 6077.0 | 6488.2 | 6812.0 | 6977.1 | 7116.3 | 7129.3 | 6990.0 | 6701.9 | 6300.4 |
| 12.5° | 6174.2 | 6193.6 | 6413.7 | 6808.7 | 7093.6 | 7161.6 | 7284.7 | 7333.2 | 7297.6 | 7093.6 | 6676.0 |
| 15° | 6527.1 | 6572.4 | 6760.2 | 7054.8 | 7174.6 | 7093.6 | 7174.6 | 7262.0 | 7381.8 | 7362.4 | 6986.8 |
| 17.5° | 6873.5 | 6905.9 | 7096.9 | 7200.5 | 7067.7 | 6857.3 | 6896.1 | 6999.7 | 7271.7 | 7537.2 | 7294.4 |
| 20° | 7194.0 | 7239.3 | 7398.0 | 7262.0 | 6860.5 | 6533.5 | 6536.8 | 6672.7 | 7087.2 | 7644.0 | 7608.4 |
| 22.5° | 7530.7 | 7598.7 | 7712.0 | 7330.0 | 6669.5 | 6277.8 | 6293.9 | 6417.0 | 6941.5 | 7744.4 | 7964.6 |
| 25° | 7971.0 | 8035.8 | 8110.3 | 7498.3 | 6608.0 | 6151.5 | 6213.0 | 6326.3 | 6941.5 | 7916.0 | 8404.9 |
| 27.5° | 8566.8 | 8612.1 | 8615.3 | 7812.4 | 6714.8 | 6170.9 | 6300.4 | 6429.9 | 7148.7 | 8259.2 | 8994.1 |
| 30° | 9314.6 | 9385.9 | 9292.0 | 8301.3 | 7048.3 | 6429.9 | 6620.9 | 6782.8 | 7595.5 | 8838.7 | 9861.8 |
| 32.5° | 10224.4 | 10324.8 | 10198.5 | 9026.5 | 7744.4 | 7323.5 | 7669.9 | 7763.8 | 8307.7 | 9677.3 | 10846.0 |
| 35° | 11292.8 | 11377.0 | 11241.0 | 10030.2 | 9369.7 | 9447.4 | 10075.5 | 9955.7 | 9738.8 | 10710.1 | 11995.4 |
| 37.5° | 12464.9 | 12542.6 | 12280.3 | 11551.8 | 11772.0 | 12108.7 | 13112.4 | 12701.2 | 12001.9 | 12040.7 | 13241.9 |
| 40° | 13539.8 | 13623.9 | 13212.8 | 13206.3 | 13659.5 | 14274.7 | 15485.6 | 14919.0 | 13967.1 | 13782.6 | 14410.7 |
| 42.5° | 14653.5 | 14711.8 | 14339.4 | 14086.9 | 15116.5 | 16382.4 | 17664.5 | 16900.4 | 15268.6 | 15067.9 | 15874.1 |
| 45° | 16243.2 | 16366.2 | 15702.5 | 14520.8 | 16427.7 | 18807.4 | 20594.5 | 19102.0 | 16155.8 | 15993.9 | 18114.5 |
| 47.5° | 18580.7 | 18671.4 | 17318.1 | 14792.7 | 17648.3 | 21828.1 | 24256.3 | 21957.6 | 16936.0 | 16566.9 | 21177.3 |
| 50° | 20513.6 | 20575.1 | 18804.1 | 15090.6 | 18946.6 | 25085.1 | 28429.6 | 25344.1 | 17813.4 | 17515.6 | 24036.1 |
| 52.5° | 21938.2 | 22171.3 | 20756.4 | 15702.5 | 20652.8 | 28915.2 | 33049.7 | 29355.6 | 19182.9 | 19348.1 | 26406.1 |
| 55° | 22232.8 | 22550.1 | 22090.3 | 16078.0 | 22155.1 | 32816.6 | 37316.9 | 32946.1 | 20549.2 | 20737.0 | 27202.5 |
| 57.5° | 19539.1 | 19791.6 | 20173.6 | 14562.8 | 22119.5 | 34603.7 | 39793.7 | 34137.5 | 19927.6 | 18596.9 | 24220.7 |
| 60° | 14637.3 | 14812.1 | 15505.0 | 11131.0 | 20342.0 | 33023.8 | 37864.0 | 32110.8 | 17424.9 | 14190.5 | 18454.5 |
| 62.5° | 8680.1 | 8757.8 | 9635.2 | 7210.2 | 16884.2 | 28439.3 | 31401.7 | 27707.6 | 13769.6 | 9544.5 | 11302.6 |
| 65° | 3331.5 | 3299.1 | 3969.3 | 3558.2 | 12416.3 | 22653.7 | 23356.2 | 21122.3 | 9447.4 | 4374.0 | 4309.3 |
| 67.5° | 514.8 | 492.1 | 663.7 | 1052.2 | 8955.3 | 15699.2 | 15411.1 | 15223.3 | 5918.4 | 1019.9 | 890.3 |
| 70° | 116.6 | 116.6 | 142.5 | 310.8 | 5471.6 | 9224.0 | 9871.5 | 9411.8 | 3788.0 | 216.9 | 116.6 |
| 72.5° | 55.0 | 55.0 | 68.0 | 132.7 | 1981.4 | 3801.0 | 4429.1 | 4361.1 | 1230.3 | 71.2 | 42.1 |
| 75° | 19.4 | 22.7 | 22.7 | 29.1 | 119.8 | 197.5 | 453.3 | 323.8 | 77.7 | 0.0 | 0.0 |
| 77.5° | 6.5 | 6.5 | 6.5 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 3.2 | 3.2 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 3.2 | 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 |
| 2.5° | 4707.5 | 4684.8 | 4600.7 | 4487.3 | 4377.3 | 4280.1 | 4179.8 | 4060.0 | 3972.6 | 3872.2 | 3839.8 |
| 5° | 5232.0 | 5089.5 | 4859.7 | 4620.1 | 4399.9 | 4212.2 | 4030.8 | 3836.6 | 3694.1 | 3551.7 | 3503.1 |
| 7.5° | 5675.6 | 5465.1 | 5092.8 | 4733.4 | 4432.3 | 4166.8 | 3904.6 | 3639.1 | 3431.9 | 3263.5 | 3211.7 |
| 10° | 6073.8 | 5831.0 | 5332.4 | 4888.8 | 4510.0 | 4202.4 | 3885.2 | 3551.7 | 3283.0 | 3082.2 | 3033.7 |
| 12.5° | 6417.0 | 6135.3 | 5536.3 | 5005.4 | 4542.4 | 4189.5 | 3881.9 | 3616.4 | 3373.6 | 3143.7 | 3082.2 |
| 15° | 6705.1 | 6394.3 | 5707.9 | 5083.1 | 4493.8 | 4027.6 | 3758.9 | 3716.8 | 3697.4 | 3444.8 | 3325.0 |
| 17.5° | 6986.8 | 6637.1 | 5847.2 | 5118.7 | 4357.8 | 3742.7 | 3548.4 | 3739.5 | 3943.4 | 3778.3 | 3626.1 |
| 20° | 7281.4 | 6883.2 | 5989.6 | 5125.2 | 4131.2 | 3422.2 | 3389.8 | 3690.9 | 3949.9 | 3898.1 | 3755.6 |
| 22.5° | 7627.8 | 7190.8 | 6167.7 | 5121.9 | 3846.3 | 3150.2 | 3273.2 | 3597.0 | 3807.4 | 3804.2 | 3690.9 |
| 25° | 8129.7 | 7579.3 | 6407.3 | 5141.3 | 3535.5 | 2939.8 | 3143.7 | 3438.4 | 3610.0 | 3603.5 | 3509.6 |
| 27.5° | 8667.1 | 8042.3 | 6718.1 | 5189.9 | 3270.0 | 2816.7 | 2991.6 | 3221.4 | 3370.4 | 3363.9 | 3283.0 |
| 30° | 9421.5 | 8576.5 | 7015.9 | 5193.2 | 3079.0 | 2752.0 | 2823.2 | 2981.9 | 3124.3 | 3108.1 | 3046.6 |
| 32.5° | 10337.7 | 9178.7 | 7265.2 | 5008.6 | 2959.2 | 2690.5 | 2648.4 | 2729.3 | 2839.4 | 2816.7 | 2800.5 |
| 35° | 11445.0 | 9894.2 | 7478.9 | 4603.9 | 2774.6 | 2567.4 | 2454.1 | 2470.3 | 2548.0 | 2561.0 | 2554.5 |
| 37.5° | 12707.7 | 10745.7 | 7744.4 | 4069.7 | 2525.3 | 2389.4 | 2237.2 | 2224.2 | 2269.6 | 2311.7 | 2344.0 |
| 40° | 13954.2 | 11704.0 | 8103.8 | 3529.0 | 2298.7 | 2162.7 | 2017.0 | 1984.7 | 2004.1 | 2078.6 | 2146.5 |
| 42.5° | 15356.1 | 12814.5 | 8492.3 | 3066.0 | 2143.3 | 1913.4 | 1774.2 | 1712.7 | 1767.7 | 1887.5 | 1968.5 |
| 45° | 17376.3 | 14371.8 | 8871.1 | 2696.9 | 2078.6 | 1693.3 | 1505.5 | 1499.0 | 1560.5 | 1715.9 | 1806.6 |
| 47.5° | 20212.5 | 16385.6 | 9120.4 | 2408.8 | 2075.3 | 1521.7 | 1298.3 | 1337.1 | 1408.4 | 1560.5 | 1664.1 |
| 50° | 22977.4 | 18907.7 | 8845.2 | 2188.6 | 2007.3 | 1408.4 | 1142.9 | 1220.6 | 1291.8 | 1424.6 | 1531.4 |
| 52.5° | 24644.8 | 20264.3 | 7773.5 | 1981.4 | 1796.9 | 1356.6 | 990.7 | 1126.7 | 1139.6 | 1259.4 | 1372.8 |
| 55° | 24470.0 | 19386.9 | 5954.0 | 1660.9 | 1486.1 | 1282.1 | 832.1 | 1016.6 | 1023.1 | 1113.7 | 1210.9 |
| 57.5° | 21238.8 | 16644.6 | 4089.1 | 1346.9 | 1117.0 | 1058.7 | 686.4 | 858.0 | 919.5 | 974.5 | 1045.8 |
| 60° | 15828.8 | 12144.3 | 1822.8 | 1094.3 | 709.0 | 715.5 | 586.0 | 647.5 | 741.4 | 806.2 | 867.7 |
| 62.5° | 9327.6 | 6986.8 | 741.4 | 657.2 | 391.8 | 450.0 | 472.7 | 472.7 | 531.0 | 579.5 | 618.4 |
| 65° | 3525.8 | 2444.4 | 301.1 | 330.2 | 204.0 | 210.4 | 278.4 | 343.2 | 388.5 | 430.6 | 482.4 |
| 67.5° | 618.4 | 427.4 | 155.4 | 123.0 | 119.8 | 106.8 | 142.5 | 223.4 | 249.3 | 281.7 | 304.3 |
| 70° | 103.6 | 87.4 | 64.8 | 61.5 | 55.0 | 58.3 | 93.9 | 158.6 | 174.8 | 184.5 | 194.3 |
| 72.5° | 29.1 | 25.9 | 19.4 | 16.2 | 13.0 | 16.2 | 58.3 | 123.0 | 129.5 | 136.0 | 145.7 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.7 | 87.4 | 93.9 | 97.1 | 106.8 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.4 | 25.9 | 32.4 | 25.9 |
| 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° | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 |
| 2.5° | 3820.4 | 3755.6 | 3720.0 | 3700.6 | 3700.6 | 3674.7 | 3645.6 | 3635.9 | 3677.9 | 3677.9 | 3749.2 |
| 5° | 3441.6 | 3389.8 | 3331.5 | 3295.9 | 3240.9 | 3250.6 | 3218.2 | 3215.0 | 3257.1 | 3276.5 | 3350.9 |
| 7.5° | 3179.3 | 3114.6 | 3079.0 | 3056.3 | 3027.2 | 3014.2 | 2985.1 | 2975.4 | 2998.0 | 3030.4 | 3101.6 |
| 10° | 3004.5 | 2994.8 | 2991.6 | 3007.8 | 3007.8 | 2991.6 | 2965.7 | 2949.5 | 2956.0 | 3017.5 | 3098.4 |
| 12.5° | 3049.8 | 3069.3 | 3075.7 | 3101.6 | 3114.6 | 3101.6 | 3082.2 | 3088.7 | 3130.8 | 3244.1 | 3363.9 |
| 15° | 3247.3 | 3231.2 | 3224.7 | 3237.6 | 3247.3 | 3234.4 | 3227.9 | 3276.5 | 3422.2 | 3584.1 | 3720.0 |
| 17.5° | 3457.8 | 3354.2 | 3308.9 | 3308.9 | 3315.3 | 3308.9 | 3315.3 | 3409.2 | 3645.6 | 3807.4 | 3907.8 |
| 20° | 3564.6 | 3373.6 | 3302.4 | 3286.2 | 3299.1 | 3302.4 | 3325.0 | 3431.9 | 3690.9 | 3804.2 | 3826.9 |
| 22.5° | 3532.2 | 3292.7 | 3211.7 | 3198.8 | 3211.7 | 3224.7 | 3247.3 | 3338.0 | 3580.8 | 3639.1 | 3629.4 |
| 25° | 3370.4 | 3134.0 | 3069.3 | 3069.3 | 3098.4 | 3095.2 | 3104.9 | 3169.6 | 3370.4 | 3406.0 | 3389.8 |
| 27.5° | 3166.4 | 2943.0 | 2888.0 | 2920.3 | 2946.2 | 2939.8 | 2943.0 | 2998.0 | 3147.0 | 3156.7 | 3140.5 |
| 30° | 2959.2 | 2764.9 | 2713.1 | 2752.0 | 2787.6 | 2781.1 | 2784.4 | 2839.4 | 2933.3 | 2923.6 | 2900.9 |
| 32.5° | 2748.7 | 2606.3 | 2567.4 | 2590.1 | 2645.1 | 2638.7 | 2651.6 | 2709.9 | 2745.5 | 2703.4 | 2677.5 |
| 35° | 2554.5 | 2480.0 | 2450.9 | 2463.8 | 2505.9 | 2515.6 | 2538.3 | 2577.1 | 2577.1 | 2525.3 | 2480.0 |
| 37.5° | 2373.2 | 2363.5 | 2344.0 | 2327.9 | 2366.7 | 2395.8 | 2428.2 | 2473.5 | 2408.8 | 2334.3 | 2292.2 |
| 40° | 2204.8 | 2246.9 | 2221.0 | 2178.9 | 2201.6 | 2243.7 | 2308.4 | 2344.0 | 2266.3 | 2191.9 | 2120.6 |
| 42.5° | 2049.4 | 2120.6 | 2110.9 | 2059.1 | 2078.6 | 2117.4 | 2191.9 | 2221.0 | 2130.4 | 2046.2 | 1978.2 |
| 45° | 1900.5 | 2000.9 | 2007.3 | 1942.6 | 1962.0 | 2000.9 | 2088.3 | 2098.0 | 1981.4 | 1890.8 | 1842.2 |
| 47.5° | 1771.0 | 1881.1 | 1884.3 | 1835.7 | 1842.2 | 1897.2 | 1978.2 | 1981.4 | 1848.7 | 1764.5 | 1703.0 |
| 50° | 1648.0 | 1774.2 | 1783.9 | 1741.8 | 1748.3 | 1813.1 | 1881.1 | 1868.1 | 1725.7 | 1638.2 | 1583.2 |
| 52.5° | 1499.0 | 1670.6 | 1693.3 | 1673.9 | 1699.8 | 1751.6 | 1793.6 | 1748.3 | 1583.2 | 1495.8 | 1447.2 |
| 55° | 1337.1 | 1560.5 | 1609.1 | 1596.1 | 1625.3 | 1667.4 | 1677.1 | 1648.0 | 1440.7 | 1353.3 | 1308.0 |
| 57.5° | 1149.4 | 1285.3 | 1369.5 | 1343.6 | 1366.3 | 1408.4 | 1437.5 | 1414.8 | 1259.4 | 1191.4 | 1152.6 |
| 60° | 951.9 | 1042.5 | 1061.9 | 1019.9 | 1000.4 | 1074.9 | 1142.9 | 1113.7 | 981.0 | 938.9 | 893.6 |
| 62.5° | 696.1 | 799.7 | 812.6 | 757.6 | 734.9 | 815.9 | 874.2 | 845.0 | 699.3 | 654.0 | 618.4 |
| 65° | 556.9 | 654.0 | 679.9 | 628.1 | 615.1 | 676.7 | 712.3 | 641.0 | 537.4 | 488.9 | 450.0 |
| 67.5° | 365.9 | 443.6 | 511.5 | 508.3 | 482.4 | 501.8 | 475.9 | 417.7 | 343.2 | 317.3 | 291.4 |
| 70° | 226.6 | 272.0 | 314.0 | 330.2 | 327.0 | 320.5 | 284.9 | 242.8 | 220.2 | 210.4 | 197.5 |
| 72.5° | 174.8 | 220.2 | 252.5 | 262.2 | 265.5 | 255.8 | 226.6 | 187.8 | 165.1 | 152.2 | 142.5 |
| 75° | 129.5 | 165.1 | 191.0 | 204.0 | 210.4 | 204.0 | 174.8 | 148.9 | 126.3 | 116.6 | 106.8 |
| 77.5° | 45.3 | 55.0 | 68.0 | 74.5 | 71.2 | 68.0 | 61.5 | 61.5 | 48.6 | 45.3 | 38.9 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P643323

CATALOG NUMBER: GWS-SA6E-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 | 4234.8 |
| 2.5° | 3830.1 | 3888.4 | 3995.2 | 4092.4 | 4196.0 | 4302.8 | 4419.4 | 4539.2 | 4594.2 | 4587.7 |
| 5° | 3464.3 | 3590.5 | 3765.4 | 3956.4 | 4170.1 | 4399.9 | 4655.7 | 4918.0 | 5031.3 | 5079.8 |
| 7.5° | 3234.4 | 3412.5 | 3642.3 | 3885.2 | 4166.8 | 4493.8 | 4879.1 | 5290.3 | 5455.4 | 5510.4 |
| 10° | 3263.5 | 3470.7 | 3661.8 | 3898.1 | 4199.2 | 4623.3 | 5102.5 | 5591.4 | 5785.6 | 5847.2 |
| 12.5° | 3499.9 | 3545.2 | 3597.0 | 3791.3 | 4170.1 | 4720.5 | 5306.5 | 5889.2 | 6112.6 | 6174.2 |
| 15° | 3713.6 | 3503.1 | 3406.0 | 3584.1 | 4066.5 | 4788.4 | 5513.7 | 6209.8 | 6455.8 | 6527.1 |
| 17.5° | 3723.3 | 3406.0 | 3189.1 | 3328.3 | 3898.1 | 4817.6 | 5717.6 | 6536.8 | 6805.5 | 6873.5 |
| 20° | 3603.5 | 3299.1 | 3020.7 | 3023.9 | 3668.2 | 4811.1 | 5886.0 | 6831.4 | 7132.5 | 7194.0 |
| 22.5° | 3428.6 | 3172.9 | 2884.7 | 2784.4 | 3422.2 | 4798.2 | 6070.5 | 7145.4 | 7472.4 | 7530.7 |
| 25° | 3234.4 | 3011.0 | 2755.2 | 2603.1 | 3176.1 | 4811.1 | 6329.6 | 7556.6 | 7916.0 | 7971.0 |
| 27.5° | 3023.9 | 2832.9 | 2654.9 | 2531.8 | 2968.9 | 4859.7 | 6640.4 | 8081.1 | 8508.5 | 8566.8 |
| 30° | 2803.8 | 2661.3 | 2590.1 | 2515.6 | 2839.4 | 4872.6 | 6977.1 | 8693.0 | 9233.7 | 9314.6 |
| 32.5° | 2586.9 | 2509.2 | 2512.4 | 2525.3 | 2716.4 | 4782.0 | 7284.7 | 9372.9 | 10094.9 | 10224.4 |
| 35° | 2386.1 | 2363.5 | 2428.2 | 2493.0 | 2538.3 | 4548.9 | 7553.4 | 10175.9 | 11160.1 | 11292.8 |
| 37.5° | 2214.5 | 2234.0 | 2314.9 | 2379.7 | 2344.0 | 4218.6 | 7909.5 | 11179.5 | 12351.5 | 12464.9 |
| 40° | 2049.4 | 2098.0 | 2191.9 | 2221.0 | 2195.1 | 3833.3 | 8336.9 | 12147.6 | 13384.3 | 13539.8 |
| 42.5° | 1897.2 | 1932.9 | 2065.6 | 2072.1 | 2153.0 | 3441.6 | 8748.1 | 13190.1 | 14572.6 | 14653.5 |
| 45° | 1774.2 | 1767.7 | 1903.7 | 1945.8 | 2208.1 | 3007.8 | 9149.5 | 14579.0 | 16126.6 | 16243.2 |
| 47.5° | 1654.4 | 1648.0 | 1680.3 | 1871.3 | 2230.7 | 2606.3 | 9547.8 | 16612.3 | 18380.0 | 18580.7 |
| 50° | 1541.1 | 1550.8 | 1450.5 | 1835.7 | 2107.7 | 2298.7 | 9729.1 | 18493.3 | 20429.4 | 20513.6 |
| 52.5° | 1440.7 | 1405.1 | 1230.3 | 1719.2 | 1845.4 | 2007.3 | 9214.3 | 19348.1 | 21698.6 | 21938.2 |
| 55° | 1298.3 | 1100.8 | 1013.4 | 1395.4 | 1456.9 | 1751.6 | 7546.9 | 18852.7 | 21808.6 | 22232.8 |
| 57.5° | 1110.5 | 864.4 | 861.2 | 1029.6 | 1029.6 | 1625.3 | 4833.8 | 16107.2 | 18794.4 | 19539.1 |
| 60° | 854.7 | 670.2 | 712.3 | 715.5 | 660.5 | 1185.0 | 2713.1 | 11668.4 | 13895.9 | 14637.3 |
| 62.5° | 608.7 | 511.5 | 537.4 | 427.4 | 378.8 | 592.5 | 1301.5 | 6718.1 | 8576.5 | 8680.1 |
| 65° | 407.9 | 346.4 | 281.7 | 236.3 | 233.1 | 252.5 | 537.4 | 2428.2 | 2952.7 | 3331.5 |
| 67.5° | 268.7 | 210.4 | 148.9 | 148.9 | 168.4 | 168.4 | 204.0 | 401.5 | 563.3 | 514.8 |
| 70° | 174.8 | 145.7 | 93.9 | 90.7 | 110.1 | 110.1 | 103.6 | 110.1 | 116.6 | 116.6 |
| 72.5° | 129.5 | 110.1 | 55.0 | 48.6 | 61.5 | 64.8 | 58.3 | 55.0 | 55.0 | 55.0 |
| 75° | 97.1 | 77.7 | 32.4 | 22.7 | 29.1 | 38.9 | 32.4 | 22.7 | 22.7 | 19.4 |
| 77.5° | 38.9 | 29.1 | 13.0 | 9.7 | 16.2 | 22.7 | 19.4 | 9.7 | 6.5 | 6.5 |
| 80° | 3.2 | 6.5 | 6.5 | 6.5 | 9.7 | 13.0 | 16.2 | 6.5 | 3.2 | 3.2 |
| 82.5° | 0.0 | 3.2 | 3.2 | 3.2 | 6.5 | 9.7 | 13.0 | 6.5 | 3.2 | 3.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 9.7 | 6.5 | 3.2 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 9.7 | 6.5 | 3.2 | 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 (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

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)