

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: P636364

Luminaire Tested: GWS-SA3F-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21599.1 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 183.2
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

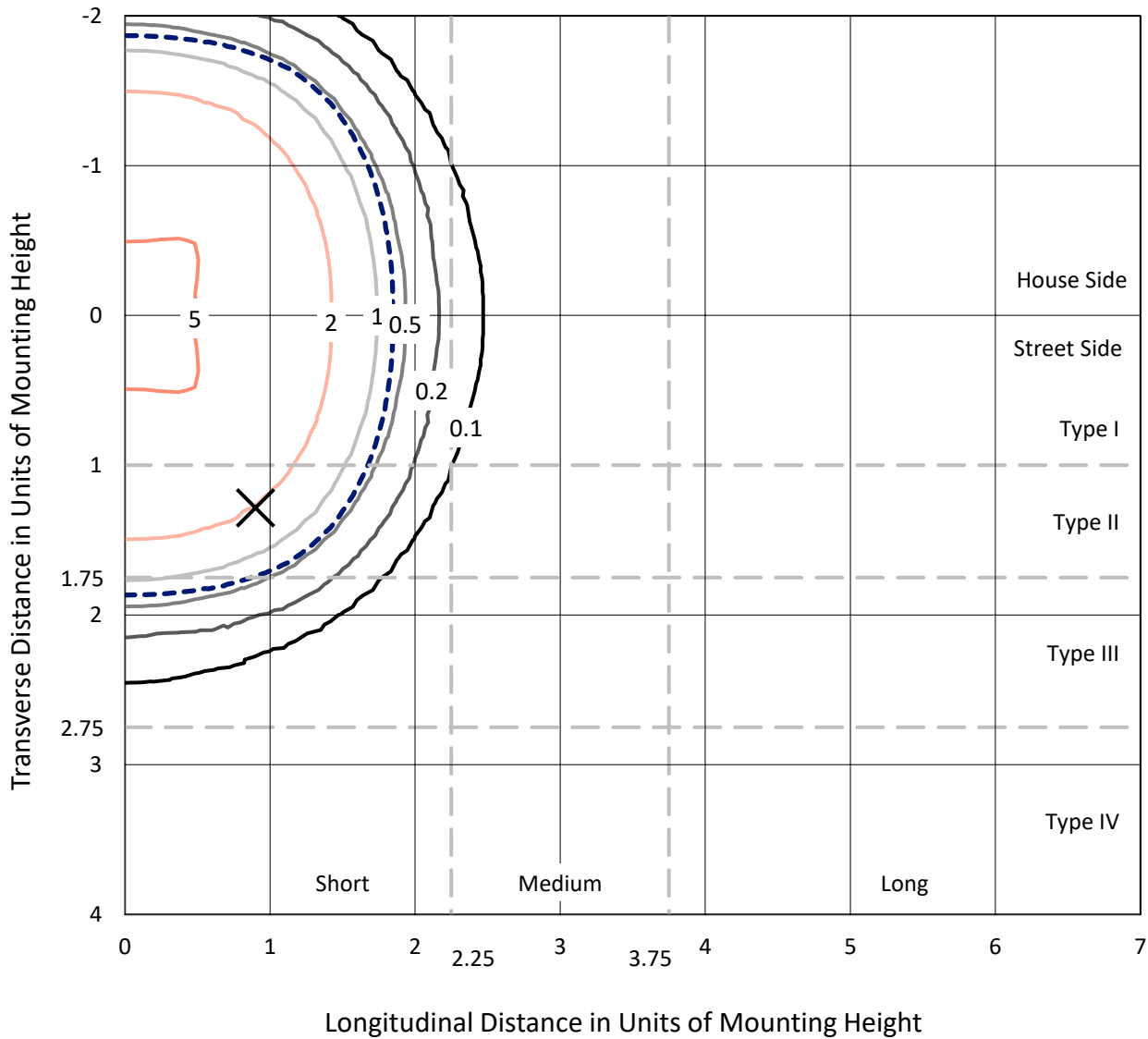


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Iso-Footcandle Lines of Horizontal Illumination

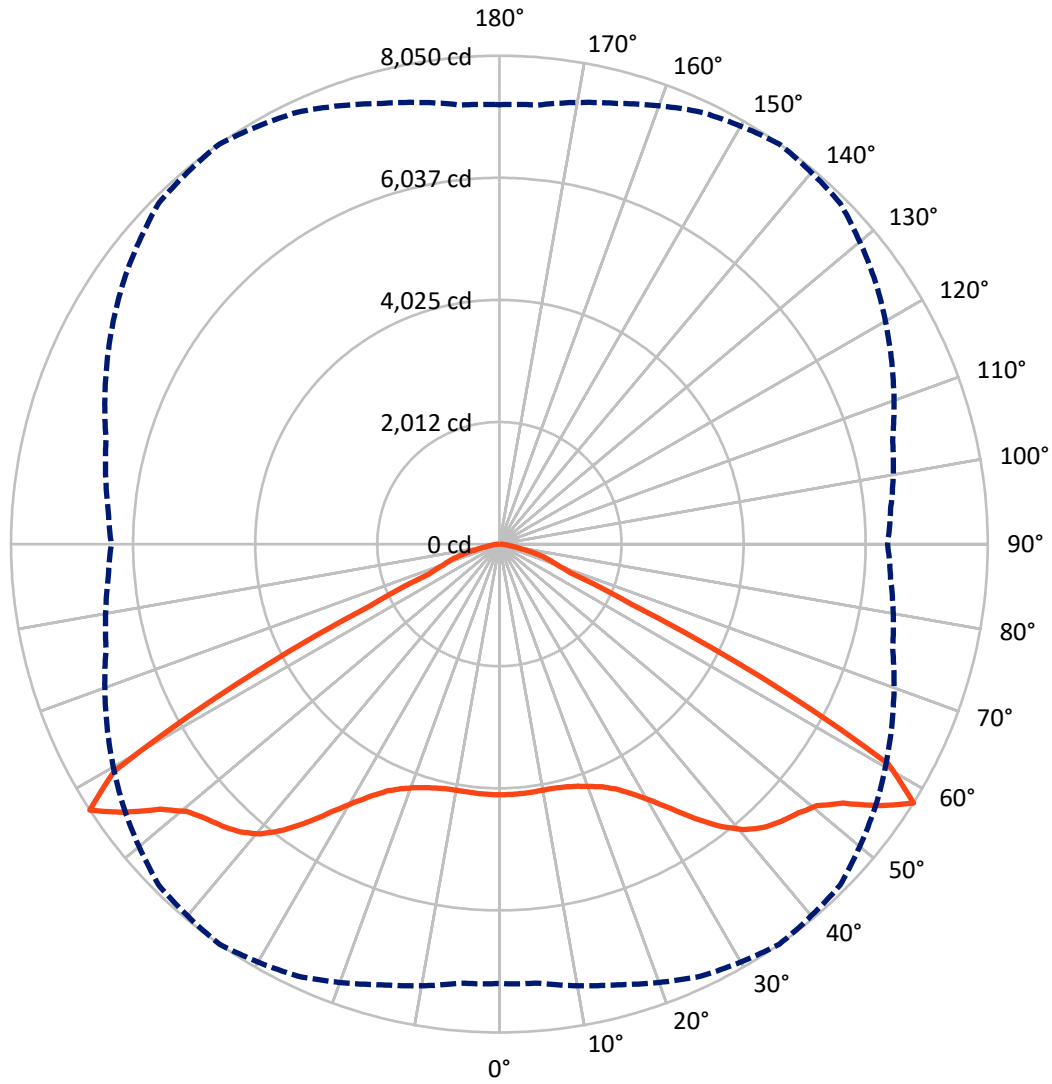
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 10799.6 | 0.0 | 10799.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 10799.6 | 0.0 | 10799.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 21599.1 | 0.0 | 21599.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 393.2 | 1.8 |
| 10°-20° | 1173.0 | 5.4 |
| 20°-30° | 2046.7 | 9.5 |
| 30°-40° | 3356.1 | 15.5 |
| 40°-50° | 4942.7 | 22.9 |
| 50°-60° | 6307.7 | 29.2 |
| 60°-70° | 2658.4 | 12.3 |
| 70°-80° | 635.0 | 2.9 |
| 80°-90° | 86.4 | 0.4 |
| 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° | 21599.1 | 100.0 |
| 0°-180° | 21599.1 | 100.0 |

Coefficient of Utilization



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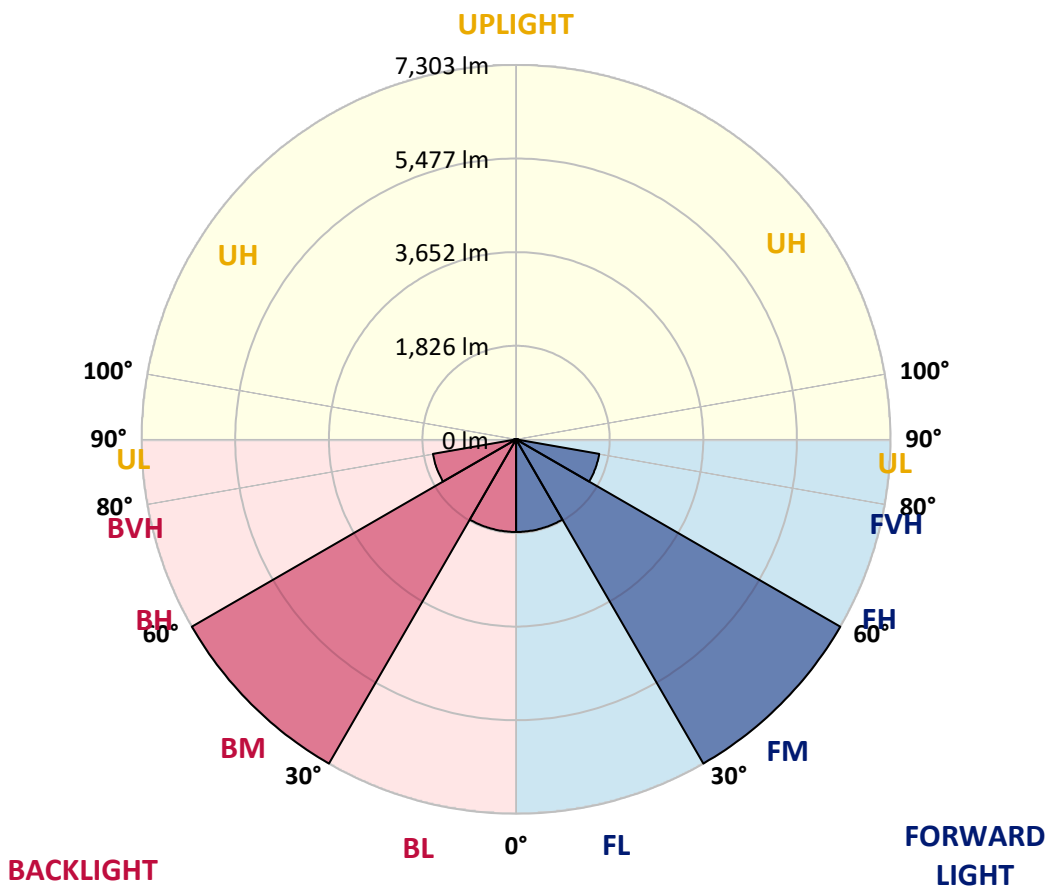
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1806.4 | 8.4 | | | |
| FM (30°-60°) | 7303.2 | 33.8 | | | |
| FH (60°-80°) | 1646.7 | 7.6 | | | G1/1800 |
| FVH (80°-90°) | 43.2 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1806.4 | 8.4 | B3/2500 | | |
| BM (30°-60°) | 7303.2 | 33.8 | B4/8500 | | |
| BH (60°-80°) | 1646.7 | 7.6 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 43.2 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4132.7 | 4132.7 | 4132.7 | 4132.7 | 4132.7 | 4132.7 | 4132.7 | 4132.7 | 4132.7 | 4132.7 | 4132.7 |
| 2.5° | 4108.0 | 4108.0 | 4116.8 | 4125.7 | 4129.2 | 4145.1 | 4143.4 | 4138.0 | 4134.5 | 4123.9 | 4138.0 |
| 5° | 4116.8 | 4116.8 | 4123.9 | 4129.2 | 4127.4 | 4139.8 | 4134.5 | 4125.7 | 4120.4 | 4109.8 | 4125.7 |
| 7.5° | 4115.1 | 4115.1 | 4120.4 | 4125.7 | 4122.1 | 4132.7 | 4123.9 | 4111.5 | 4102.7 | 4092.1 | 4106.2 |
| 10° | 4092.1 | 4095.6 | 4100.9 | 4113.3 | 4118.6 | 4134.5 | 4122.1 | 4102.7 | 4088.5 | 4076.2 | 4090.3 |
| 12.5° | 4088.5 | 4092.1 | 4099.1 | 4115.1 | 4123.9 | 4146.9 | 4131.0 | 4099.1 | 4077.9 | 4062.0 | 4076.2 |
| 15° | 4104.4 | 4108.0 | 4118.6 | 4138.0 | 4152.2 | 4177.0 | 4154.0 | 4109.8 | 4079.7 | 4058.5 | 4070.8 |
| 17.5° | 4123.9 | 4129.2 | 4145.1 | 4173.4 | 4196.4 | 4222.9 | 4194.6 | 4141.6 | 4099.1 | 4070.8 | 4081.5 |
| 20° | 4145.1 | 4152.2 | 4177.0 | 4219.4 | 4261.8 | 4295.4 | 4260.1 | 4189.3 | 4138.0 | 4100.9 | 4111.5 |
| 22.5° | 4182.3 | 4191.1 | 4222.9 | 4283.1 | 4346.7 | 4396.2 | 4352.0 | 4256.5 | 4189.3 | 4141.6 | 4150.4 |
| 25° | 4258.3 | 4268.9 | 4309.6 | 4382.1 | 4472.3 | 4532.4 | 4470.5 | 4362.6 | 4268.9 | 4210.6 | 4219.4 |
| 27.5° | 4392.7 | 4398.0 | 4451.1 | 4546.5 | 4658.0 | 4726.9 | 4652.6 | 4525.3 | 4421.0 | 4353.8 | 4360.9 |
| 30° | 4569.5 | 4585.4 | 4638.5 | 4764.1 | 4896.7 | 4988.6 | 4891.4 | 4741.1 | 4620.8 | 4539.5 | 4546.5 |
| 32.5° | 4785.3 | 4795.9 | 4875.5 | 5006.3 | 5197.3 | 5303.4 | 5170.8 | 4992.2 | 4847.2 | 4748.1 | 4755.2 |
| 35° | 5068.2 | 5077.1 | 5153.1 | 5319.3 | 5551.0 | 5650.0 | 5497.9 | 5292.8 | 5124.8 | 5031.1 | 5057.6 |
| 37.5° | 5406.0 | 5421.9 | 5476.7 | 5641.2 | 5899.4 | 5996.6 | 5821.6 | 5630.6 | 5455.5 | 5368.8 | 5388.3 |
| 40° | 5768.5 | 5766.7 | 5810.9 | 5956.0 | 6191.2 | 6251.3 | 6093.9 | 5941.8 | 5791.5 | 5734.9 | 5766.7 |
| 42.5° | 6079.7 | 6070.9 | 6102.7 | 6223.0 | 6385.7 | 6391.0 | 6286.6 | 6201.8 | 6095.7 | 6056.8 | 6086.8 |
| 45° | 6297.3 | 6300.8 | 6348.5 | 6431.7 | 6514.8 | 6470.6 | 6438.7 | 6424.6 | 6341.5 | 6288.4 | 6293.7 |
| 47.5° | 6468.8 | 6482.9 | 6559.0 | 6615.6 | 6626.2 | 6551.9 | 6596.1 | 6617.3 | 6548.4 | 6467.0 | 6444.0 |
| 50° | 6620.9 | 6643.9 | 6742.9 | 6803.0 | 6780.0 | 6686.3 | 6773.0 | 6804.8 | 6652.7 | 6497.1 | 6451.1 |
| 52.5° | 6896.7 | 6923.3 | 7043.5 | 7121.3 | 7094.8 | 7001.1 | 7082.4 | 6969.2 | 6712.8 | 6521.8 | 6463.5 |
| 55° | 7337.1 | 7349.5 | 7496.2 | 7623.6 | 7611.2 | 7496.2 | 7430.8 | 7179.7 | 6868.4 | 6670.4 | 6615.6 |
| 57.5° | 7243.3 | 7264.6 | 7519.2 | 7858.8 | 8049.7 | 7945.4 | 7561.7 | 7133.7 | 6711.1 | 6472.3 | 6398.1 |
| 60° | 5699.5 | 5750.8 | 6067.4 | 6665.1 | 7365.4 | 7363.6 | 6650.9 | 5986.0 | 5476.7 | 5160.2 | 5128.3 |
| 62.5° | 3328.1 | 3363.5 | 3651.7 | 4256.5 | 4884.3 | 4923.2 | 4422.8 | 3966.5 | 3520.9 | 3306.9 | 3204.3 |
| 65° | 1575.6 | 1573.9 | 1688.8 | 1961.2 | 2385.6 | 2419.2 | 2268.9 | 2019.5 | 1756.0 | 1683.5 | 1664.1 |
| 67.5° | 1163.6 | 1163.6 | 1154.8 | 1174.2 | 1255.6 | 1273.2 | 1255.6 | 1214.9 | 1190.1 | 1206.0 | 1195.4 |
| 70° | 1009.8 | 1011.5 | 1000.9 | 995.6 | 995.6 | 990.3 | 997.4 | 1013.3 | 1023.9 | 1045.1 | 1034.5 |
| 72.5° | 818.8 | 820.5 | 820.5 | 822.3 | 824.1 | 817.0 | 827.6 | 836.5 | 838.2 | 845.3 | 838.2 |
| 75° | 581.8 | 585.3 | 595.9 | 604.8 | 611.9 | 611.9 | 615.4 | 617.2 | 610.1 | 618.9 | 604.8 |
| 77.5° | 320.1 | 323.6 | 343.1 | 359.0 | 374.9 | 376.7 | 382.0 | 385.5 | 382.0 | 389.0 | 378.4 |
| 80° | 176.8 | 180.4 | 189.2 | 196.3 | 208.7 | 219.3 | 226.4 | 229.9 | 229.9 | 235.2 | 229.9 |
| 82.5° | 100.8 | 104.3 | 109.6 | 113.2 | 123.8 | 132.6 | 139.7 | 145.0 | 145.0 | 146.8 | 143.2 |
| 85° | 47.7 | 47.7 | 51.3 | 54.8 | 60.1 | 63.7 | 72.5 | 77.8 | 77.8 | 81.3 | 77.8 |
| 87.5° | 7.1 | 8.8 | 10.6 | 10.6 | 14.1 | 17.7 | 21.2 | 23.0 | 26.5 | 28.3 | 28.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)