

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: P642140

Luminaire Tested: GWS-SA6C-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29002.3 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

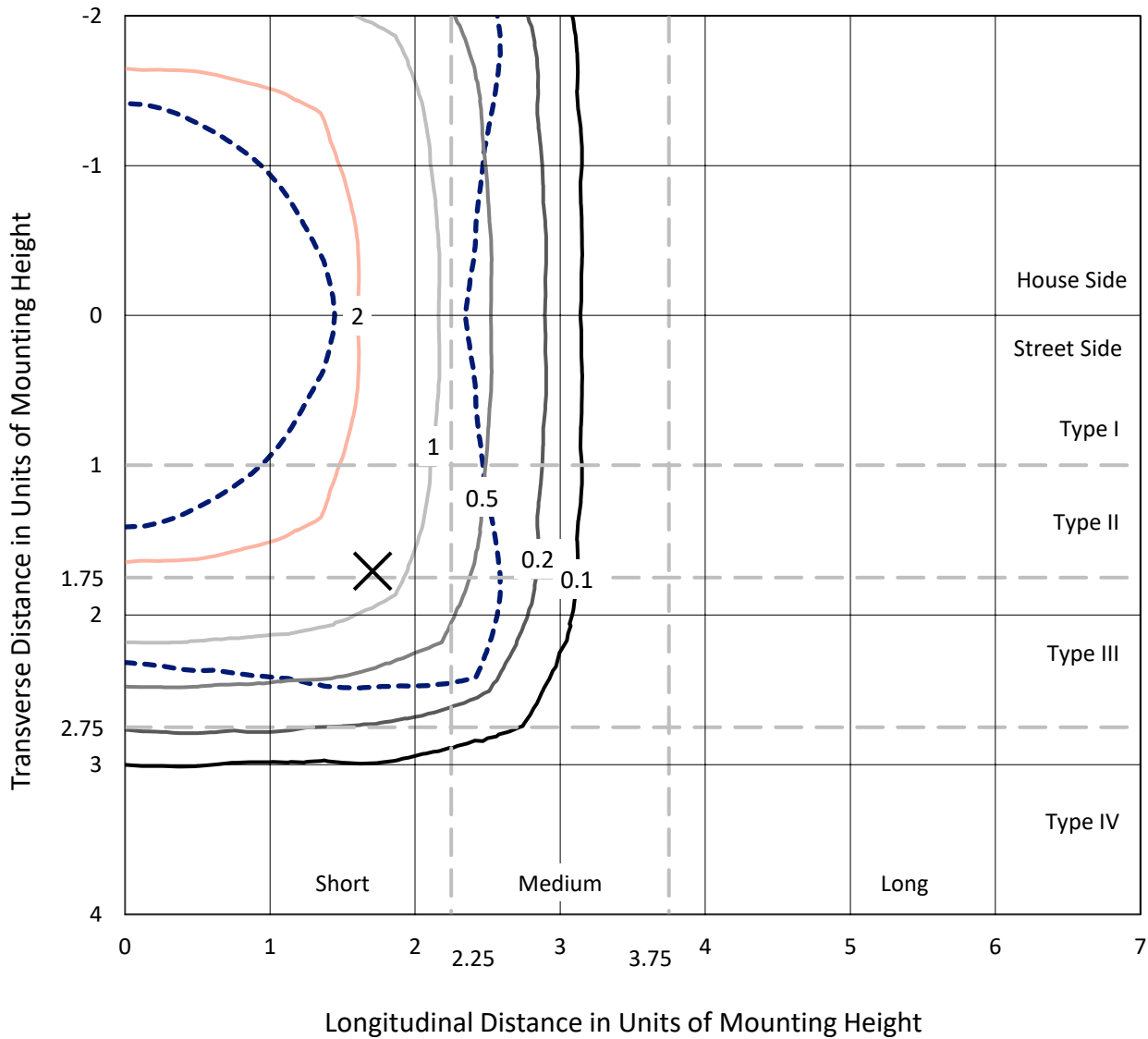
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

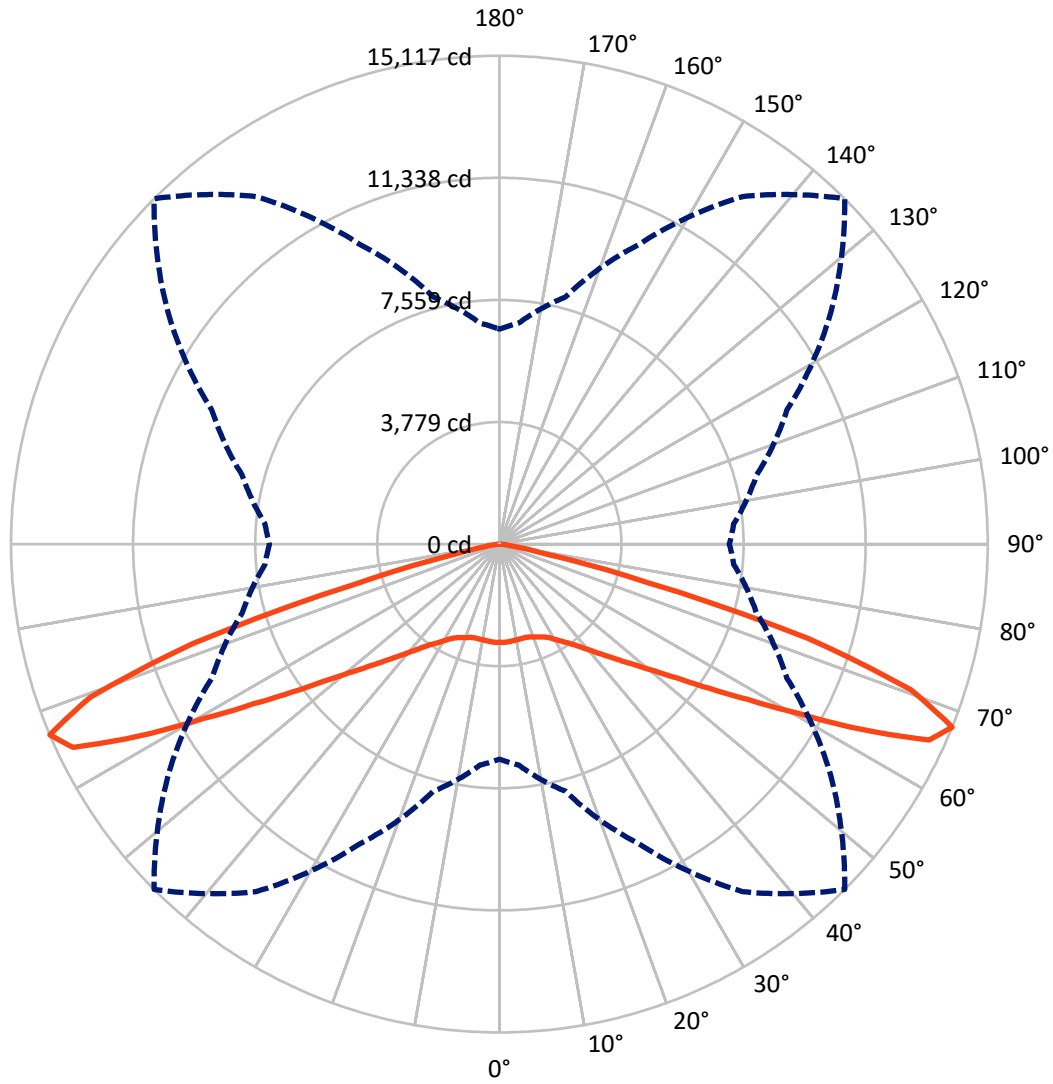
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 14501.1 | 0.0 | 14501.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 14501.1 | 0.0 | 14501.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 29002.3 | 0.0 | 29002.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 287.5 | 1.0 |
| 10°-20° | 844.4 | 2.9 |
| 20°-30° | 1456.3 | 5.0 |
| 30°-40° | 2368.0 | 8.2 |
| 40°-50° | 3987.3 | 13.7 |
| 50°-60° | 7064.7 | 24.4 |
| 60°-70° | 10098.4 | 34.8 |
| 70°-80° | 2771.6 | 9.6 |
| 80°-90° | 124.2 | 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° | 29002.3 | 100.0 |
| 0°-180° | 29002.3 | 100.0 |

Coefficient of Utilization



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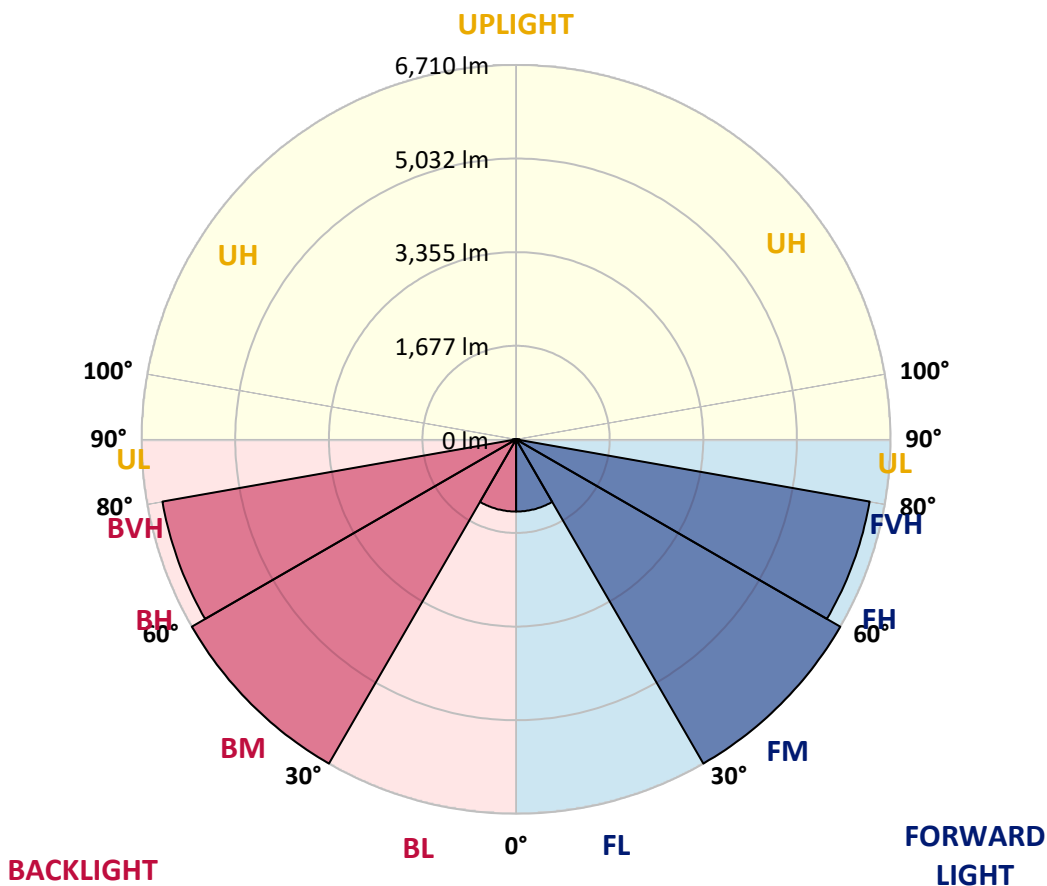
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1294.1 | 4.5 | | | |
| FM (30°-60°) | 6710.0 | 23.1 | | | |
| FH (60°-80°) | 6435.0 | 22.2 | | | G3/7500 |
| FVH (80°-90°) | 62.1 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1294.1 | 4.5 | B3/2500 | | |
| BM (30°-60°) | 6710.0 | 23.1 | B4/8500 | | |
| BH (60°-80°) | 6435.0 | 22.2 | B5 | | G3/7500 |
| BVH (80°-90°) | 62.1 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0° | 3037.5 | 3037.5 | 3037.5 | 3037.5 | 3037.5 | 3037.5 | 3037.5 | 3037.5 | 3037.5 | 3037.5 | 3037.5 |
| 2.5° | 3017.4 | 3015.4 | 3025.4 | 3031.5 | 3029.4 | 3043.5 | 3041.5 | 3037.5 | 3037.5 | 3031.5 | 3047.5 |
| 5° | 3017.4 | 3015.4 | 3023.4 | 3025.4 | 3021.4 | 3033.5 | 3029.4 | 3025.4 | 3025.4 | 3017.4 | 3031.5 |
| 7.5° | 3001.3 | 3003.4 | 3009.4 | 3013.4 | 3009.4 | 3019.4 | 3013.4 | 3005.4 | 3003.4 | 2995.3 | 3009.4 |
| 10° | 2971.2 | 2973.2 | 2979.3 | 2989.3 | 2991.3 | 3009.4 | 2999.3 | 2985.3 | 2979.3 | 2971.2 | 2985.3 |
| 12.5° | 2953.2 | 2955.2 | 2961.2 | 2973.2 | 2977.3 | 3001.3 | 2991.3 | 2969.2 | 2959.2 | 2951.2 | 2965.2 |
| 15° | 2949.1 | 2951.2 | 2959.2 | 2971.2 | 2977.3 | 3001.3 | 2991.3 | 2965.2 | 2951.2 | 2941.1 | 2953.2 |
| 17.5° | 2949.1 | 2953.2 | 2965.2 | 2983.3 | 2995.3 | 3019.4 | 3007.4 | 2977.3 | 2957.2 | 2939.1 | 2951.2 |
| 20° | 2951.2 | 2957.2 | 2975.2 | 3001.3 | 3031.5 | 3065.6 | 3049.5 | 3009.4 | 2981.3 | 2959.2 | 2967.2 |
| 22.5° | 2969.2 | 2979.3 | 3001.3 | 3035.5 | 3079.6 | 3119.8 | 3105.7 | 3051.5 | 3011.4 | 2981.3 | 2989.3 |
| 25° | 3031.5 | 3035.5 | 3063.6 | 3107.7 | 3149.9 | 3184.0 | 3170.0 | 3119.8 | 3069.6 | 3033.5 | 3043.5 |
| 27.5° | 3141.9 | 3151.9 | 3176.0 | 3222.2 | 3258.3 | 3276.4 | 3274.4 | 3240.2 | 3190.1 | 3157.9 | 3166.0 |
| 30° | 3274.4 | 3284.4 | 3316.5 | 3368.7 | 3404.9 | 3424.9 | 3418.9 | 3392.8 | 3346.6 | 3302.5 | 3310.5 |
| 32.5° | 3429.0 | 3433.0 | 3471.1 | 3529.3 | 3567.5 | 3597.6 | 3577.5 | 3549.4 | 3491.2 | 3439.0 | 3443.0 |
| 35° | 3625.7 | 3631.7 | 3671.9 | 3726.1 | 3756.2 | 3780.3 | 3776.3 | 3748.2 | 3685.9 | 3629.7 | 3643.8 |
| 37.5° | 3872.6 | 3876.7 | 3912.8 | 3981.0 | 4005.1 | 4023.2 | 4027.2 | 4013.2 | 3948.9 | 3876.7 | 3890.7 |
| 40° | 4179.8 | 4181.8 | 4222.0 | 4282.2 | 4308.3 | 4320.3 | 4322.3 | 4324.3 | 4258.1 | 4203.9 | 4199.9 |
| 42.5° | 4537.1 | 4547.2 | 4603.4 | 4661.6 | 4673.7 | 4667.6 | 4687.7 | 4707.8 | 4643.5 | 4569.3 | 4575.3 |
| 45° | 4964.8 | 4970.8 | 5047.1 | 5111.3 | 5089.2 | 5069.2 | 5107.3 | 5147.5 | 5089.2 | 4992.9 | 4964.8 |
| 47.5° | 5470.7 | 5482.7 | 5565.0 | 5629.3 | 5593.1 | 5557.0 | 5619.2 | 5661.4 | 5567.0 | 5464.7 | 5438.6 |
| 50° | 6042.8 | 6050.9 | 6167.3 | 6247.6 | 6205.5 | 6139.2 | 6217.5 | 6261.7 | 6135.2 | 6008.7 | 5952.5 |
| 52.5° | 6719.4 | 6703.3 | 6857.9 | 6998.5 | 6972.4 | 6886.0 | 6950.3 | 6958.3 | 6769.6 | 6590.9 | 6534.7 |
| 55° | 7544.5 | 7528.5 | 7683.0 | 7837.6 | 7901.9 | 7879.8 | 7849.7 | 7801.5 | 7522.4 | 7331.7 | 7279.5 |
| 57.5° | 8506.1 | 8456.0 | 8672.8 | 8881.6 | 9022.1 | 9062.3 | 8933.8 | 8821.3 | 8600.5 | 8365.6 | 8305.4 |
| 60° | 9399.5 | 9397.5 | 9740.8 | 10102.2 | 10487.6 | 10648.2 | 10323.0 | 10017.9 | 9522.0 | 9094.4 | 9008.0 |
| 62.5° | 9650.5 | 9692.6 | 10254.8 | 11150.1 | 12101.7 | 12669.9 | 11812.6 | 10802.8 | 9845.2 | 9200.8 | 9086.3 |
| 65° | 9032.1 | 9136.5 | 9935.6 | 11348.9 | 13228.0 | 14617.2 | 12681.9 | 10820.9 | 9485.9 | 8682.8 | 8562.4 |
| 67.5° | 6657.2 | 6865.9 | 7923.9 | 10240.7 | 13131.6 | 15117.1 | 12527.3 | 9819.1 | 8239.1 | 7283.5 | 7116.9 |
| 70° | 3284.4 | 3483.2 | 4322.3 | 6737.5 | 10804.8 | 13513.1 | 10839.0 | 7400.0 | 5565.0 | 4645.6 | 4493.0 |
| 72.5° | 1208.6 | 1288.9 | 1618.1 | 2882.9 | 5962.5 | 9981.7 | 7412.0 | 4133.6 | 2696.2 | 2146.1 | 2043.7 |
| 75° | 592.2 | 606.3 | 656.5 | 967.7 | 2200.3 | 4697.8 | 3483.2 | 1586.0 | 991.7 | 863.3 | 835.2 |
| 77.5° | 377.4 | 383.4 | 407.5 | 461.7 | 706.7 | 1479.6 | 1056.0 | 626.4 | 485.8 | 465.8 | 465.8 |
| 80° | 210.8 | 216.8 | 248.9 | 287.1 | 331.3 | 507.9 | 379.4 | 375.4 | 319.2 | 279.1 | 273.0 |
| 82.5° | 100.4 | 110.4 | 158.6 | 156.6 | 174.7 | 255.0 | 222.8 | 202.8 | 204.8 | 154.6 | 146.6 |
| 85° | 46.2 | 46.2 | 62.2 | 74.3 | 78.3 | 86.3 | 102.4 | 116.4 | 114.4 | 78.3 | 84.3 |
| 87.5° | 22.1 | 22.1 | 22.1 | 20.1 | 18.1 | 16.1 | 22.1 | 36.1 | 52.2 | 36.1 | 34.1 |
| 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)