

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: P641700

Luminaire Tested: GWS-SA6B-740-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641700  
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-SA6B-740-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

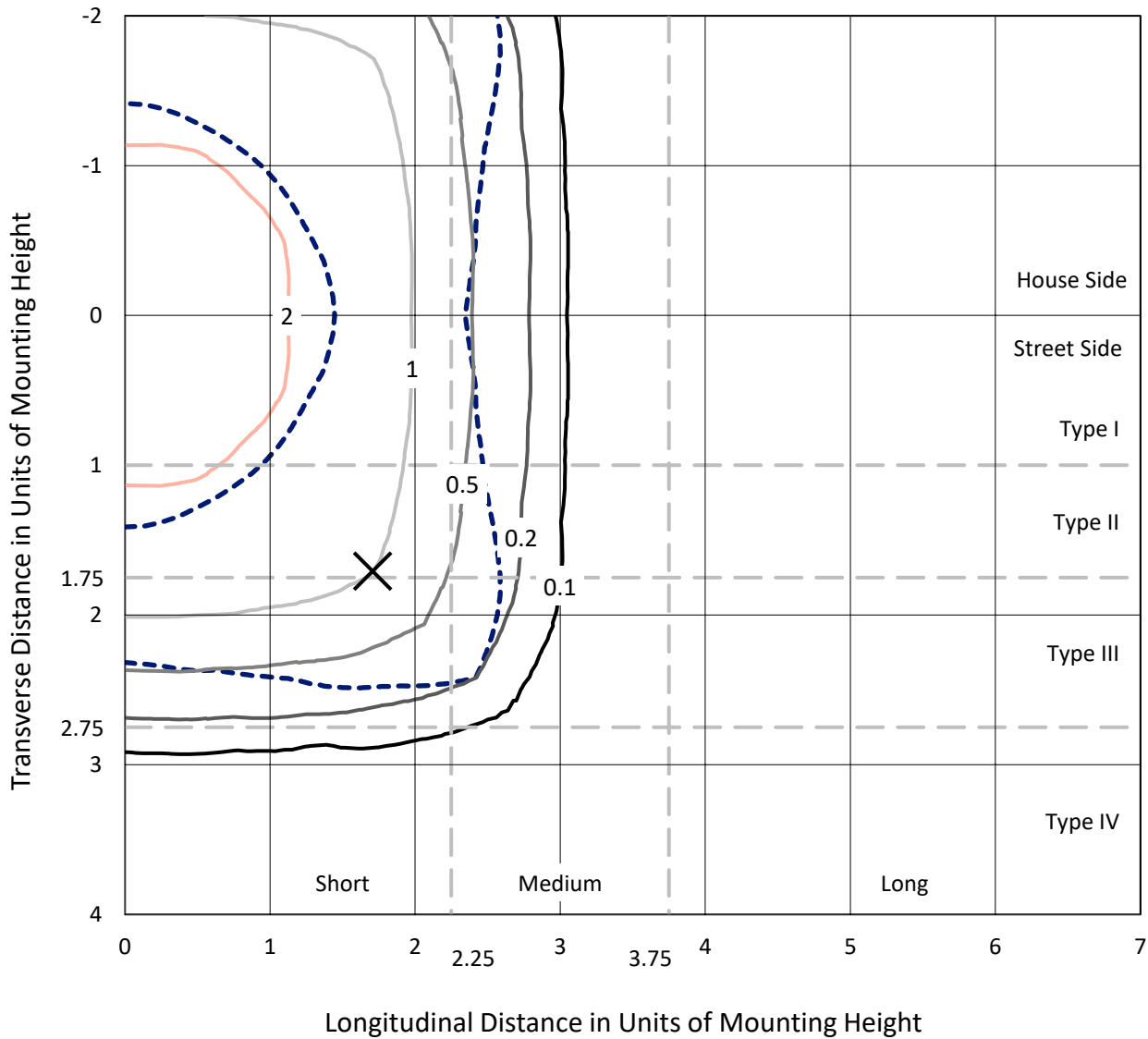
Lumens per Lamp: N/A  
Luminaire Lumens: 21926.1 lumens  
Efficiency: N/A  
Efficacy: 157.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

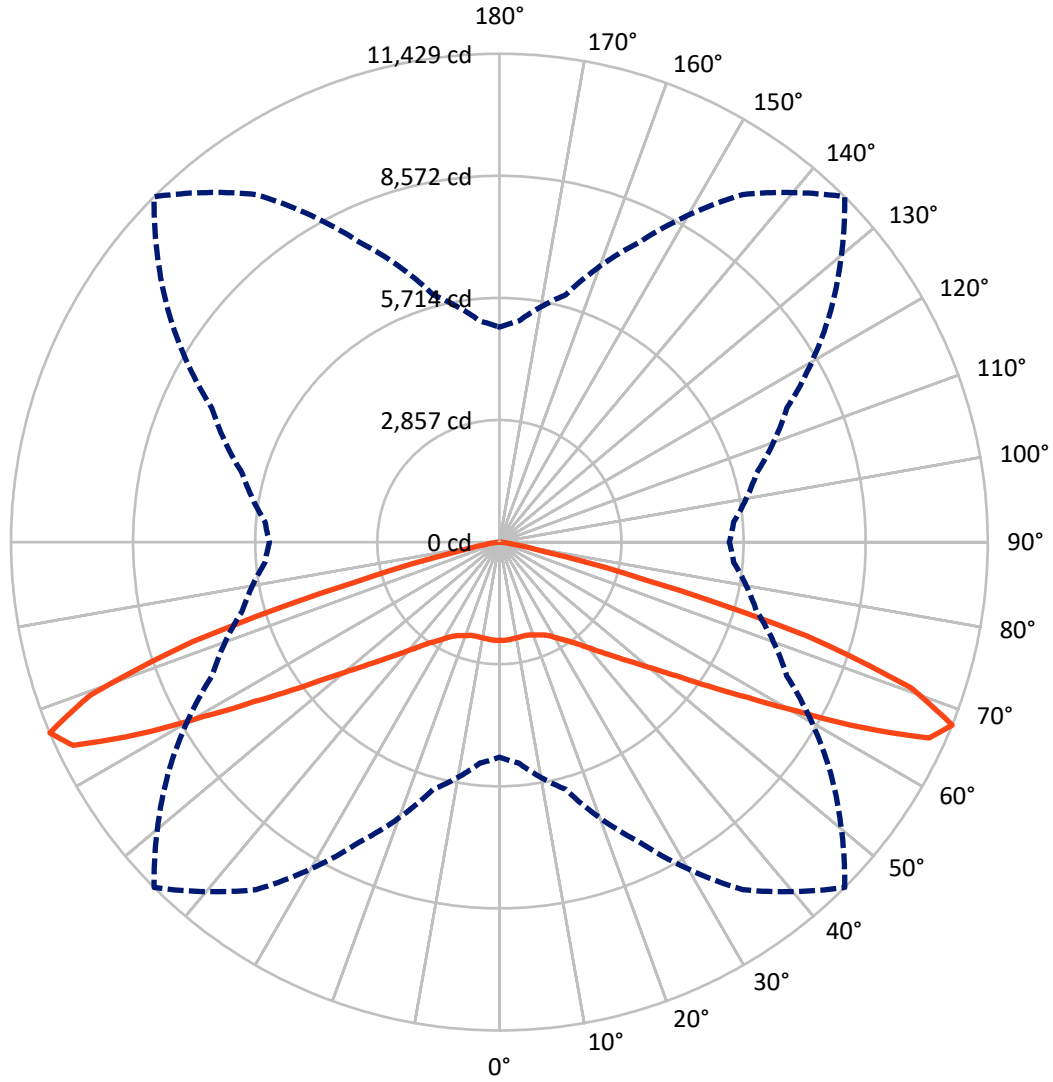
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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
<b>House Side</b>	Lumens	10963.1	0.0	10963.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10963.1	0.0	10963.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21926.1	0.0	21926.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.3	1.0
10°-20°	638.4	2.9
20°-30°	1101.0	5.0
30°-40°	1790.2	8.2
40°-50°	3014.4	13.7
50°-60°	5341.0	24.4
60°-70°	7634.5	34.8
70°-80°	2095.4	9.6
80°-90°	93.9	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°	21926.1	100.0
0°-180°	21926.1	100.0

**Coefficient of Utilization**



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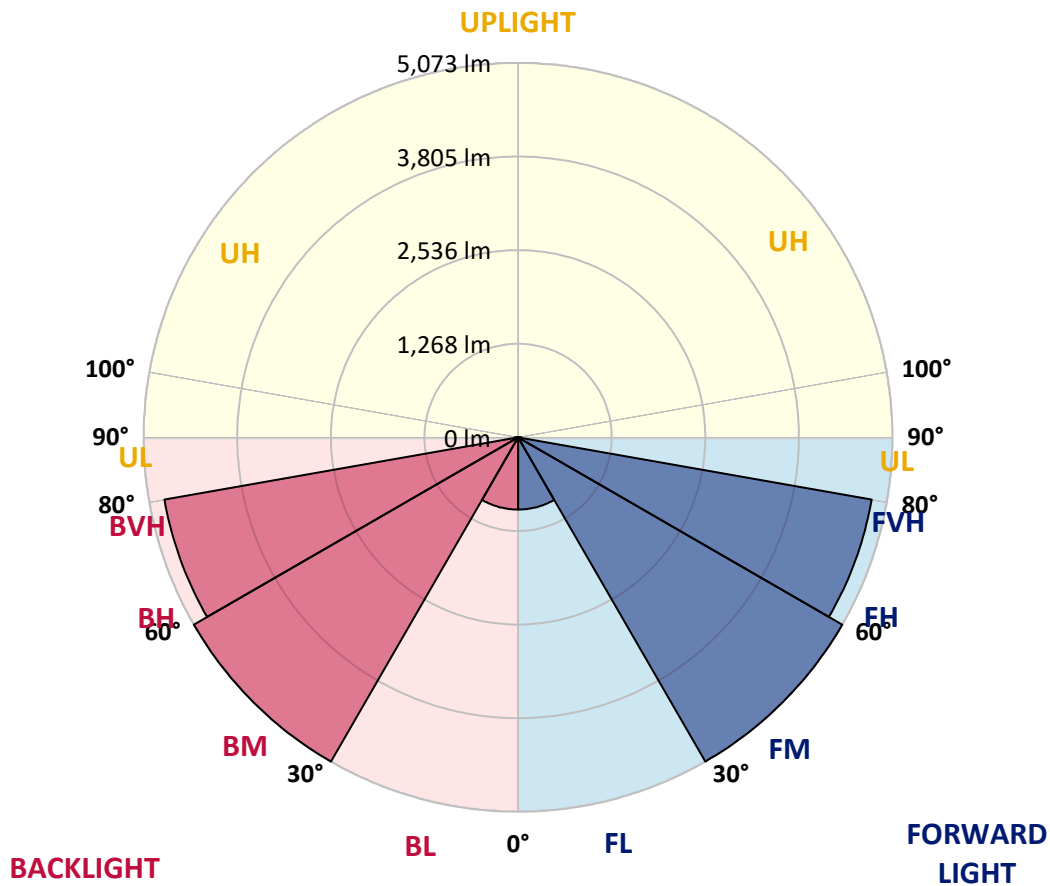
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	978.3	4.5			
FM (30°-60°)	5072.8	23.1			
FH (60°-80°)	4865.0	22.2			G2/5000
FVH (80°-90°)	46.9	0.2			G1/100
BL (0°-30°)	978.3	4.5	B2/1000		
BM (30°-60°)	5072.8	23.1	B4/8500		
BH (60°-80°)	4865.0	22.2	B4/5000		G2/5000
BVH (80°-90°)	46.9	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2296.4	2296.4	2296.4	2296.4	2296.4	2296.4	2296.4	2296.4	2296.4	2296.4	2296.4
2.5°	2281.2	2279.7	2287.3	2291.8	2290.3	2300.9	2299.4	2296.4	2296.4	2291.8	2304.0
5°	2281.2	2279.7	2285.7	2287.3	2284.2	2293.3	2290.3	2287.3	2287.3	2281.2	2291.8
7.5°	2269.1	2270.6	2275.1	2278.2	2275.1	2282.7	2278.2	2272.1	2270.6	2264.5	2275.1
10°	2246.3	2247.8	2252.4	2259.9	2261.5	2275.1	2267.5	2256.9	2252.4	2246.3	2256.9
12.5°	2232.6	2234.1	2238.7	2247.8	2250.8	2269.1	2261.5	2244.8	2237.2	2231.1	2241.7
15°	2229.6	2231.1	2237.2	2246.3	2250.8	2269.1	2261.5	2241.7	2231.1	2223.5	2232.6
17.5°	2229.6	2232.6	2241.7	2255.4	2264.5	2282.7	2273.6	2250.8	2235.7	2222.0	2231.1
20°	2231.1	2235.7	2249.3	2269.1	2291.8	2317.6	2305.5	2275.1	2253.9	2237.2	2243.3
22.5°	2244.8	2252.4	2269.1	2294.9	2328.2	2358.6	2348.0	2307.0	2276.6	2253.9	2259.9
25°	2291.8	2294.9	2316.1	2349.5	2381.4	2407.2	2396.5	2358.6	2320.7	2293.3	2300.9
27.5°	2375.3	2382.9	2401.1	2436.0	2463.3	2477.0	2475.5	2449.7	2411.7	2387.4	2393.5
30°	2475.5	2483.1	2507.3	2546.8	2574.1	2589.3	2584.7	2565.0	2530.1	2496.7	2502.8
32.5°	2592.3	2595.4	2624.2	2668.2	2697.1	2719.8	2704.7	2683.4	2639.4	2599.9	2603.0
35°	2741.1	2745.6	2776.0	2817.0	2839.7	2857.9	2854.9	2833.7	2786.6	2744.1	2754.7
37.5°	2927.8	2930.8	2958.1	3009.7	3027.9	3041.6	3044.6	3034.0	2985.4	2930.8	2941.4
40°	3160.0	3161.5	3191.9	3237.4	3257.1	3266.2	3267.7	3269.3	3219.2	3178.2	3175.2
42.5°	3430.1	3437.7	3480.2	3524.2	3533.3	3528.8	3544.0	3559.1	3510.6	3454.4	3459.0
45°	3753.4	3758.0	3815.7	3864.2	3847.5	3832.3	3861.2	3891.5	3847.5	3774.7	3753.4
47.5°	4135.9	4145.0	4207.2	4255.8	4228.5	4201.2	4248.2	4280.1	4208.8	4131.3	4111.6
50°	4568.5	4574.5	4662.6	4723.3	4691.4	4641.3	4700.5	4733.9	4638.3	4542.7	4500.2
52.5°	5079.9	5067.8	5184.7	5290.9	5271.2	5205.9	5254.5	5260.6	5117.9	4982.8	4940.3
55°	5703.7	5691.6	5808.5	5925.3	5973.9	5957.2	5934.4	5898.0	5687.1	5542.9	5503.4
57.5°	6430.8	6392.8	6556.7	6714.6	6820.8	6851.2	6754.0	6669.0	6502.1	6324.5	6279.0
60°	7106.2	7104.6	7364.2	7637.4	7928.8	8050.2	7804.3	7573.6	7198.7	6875.5	6810.2
62.5°	7295.9	7327.8	7752.7	8429.6	9149.1	9578.6	8930.5	8167.1	7443.1	6955.9	6869.4
65°	6828.4	6907.3	7511.4	8579.9	10000.5	11050.8	9587.7	8180.7	7171.4	6564.3	6473.3
67.5°	5032.9	5190.7	5990.6	7742.1	9927.7	11428.7	9470.8	7423.4	6228.9	5506.4	5380.5
70°	2483.1	2633.3	3267.7	5093.6	8168.6	10216.1	8194.4	5594.5	4207.2	3512.1	3396.7
72.5°	913.7	974.4	1223.3	2179.5	4507.8	7546.3	5603.6	3125.1	2038.4	1622.5	1545.1
75°	447.7	458.4	496.3	731.6	1663.5	3551.6	2633.3	1199.0	749.8	652.6	631.4
77.5°	285.3	289.9	308.1	349.1	534.3	1118.6	798.3	473.5	367.3	352.1	352.1
80°	159.4	163.9	188.2	217.0	250.4	384.0	286.9	283.8	241.3	211.0	206.4
82.5°	75.9	83.5	119.9	118.4	132.0	192.8	168.5	153.3	154.8	116.9	110.8
85°	34.9	34.9	47.1	56.2	59.2	65.3	77.4	88.0	86.5	59.2	63.7
87.5°	16.7	16.7	16.7	15.2	13.7	12.1	16.7	27.3	39.5	27.3	25.8
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)