

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: P636694

Luminaire Tested: GWS-SA4B-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636694  
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-SA4B-735-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

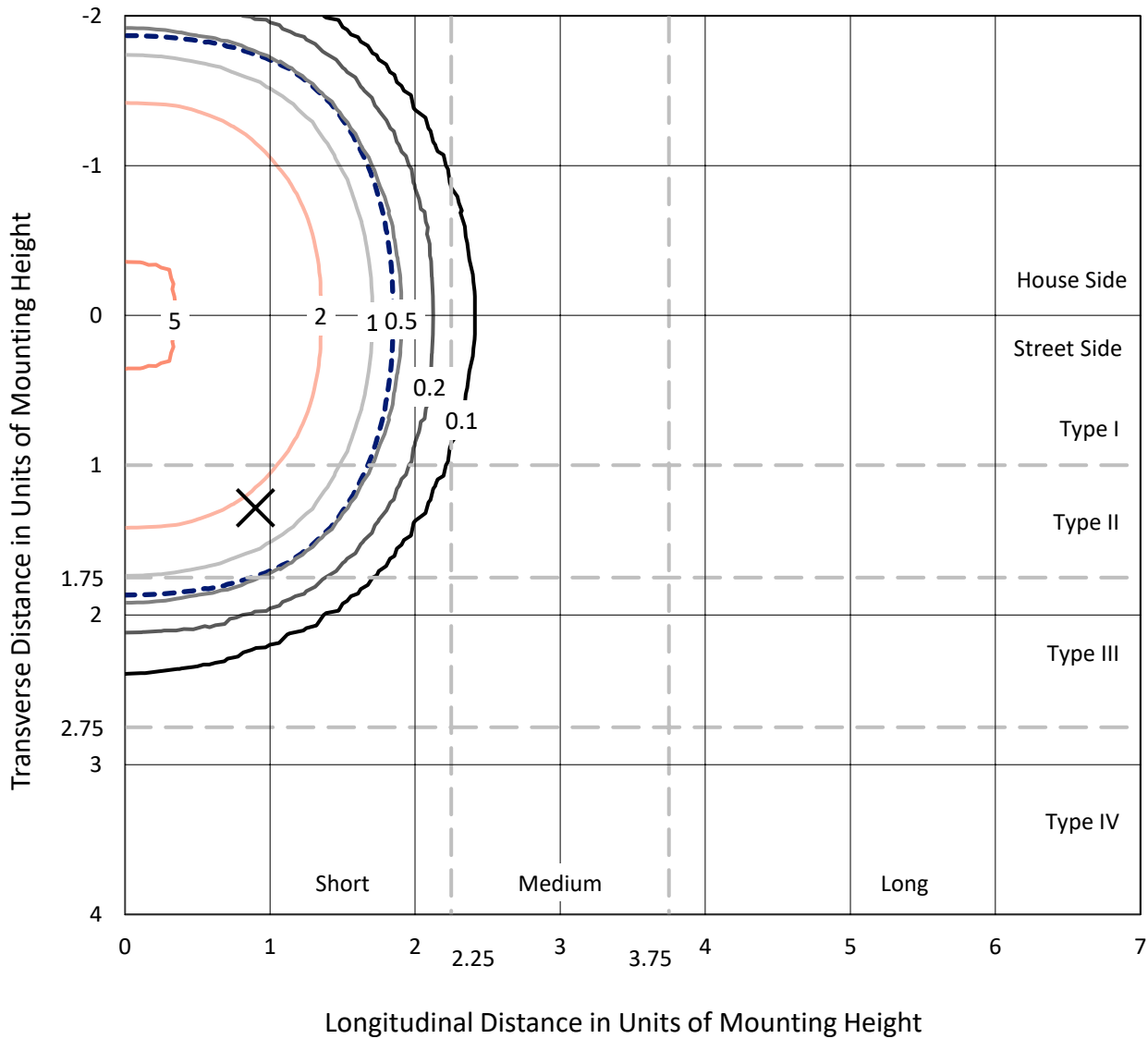
Lumens per Lamp: N/A  
Luminaire Lumens: 12499.8 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

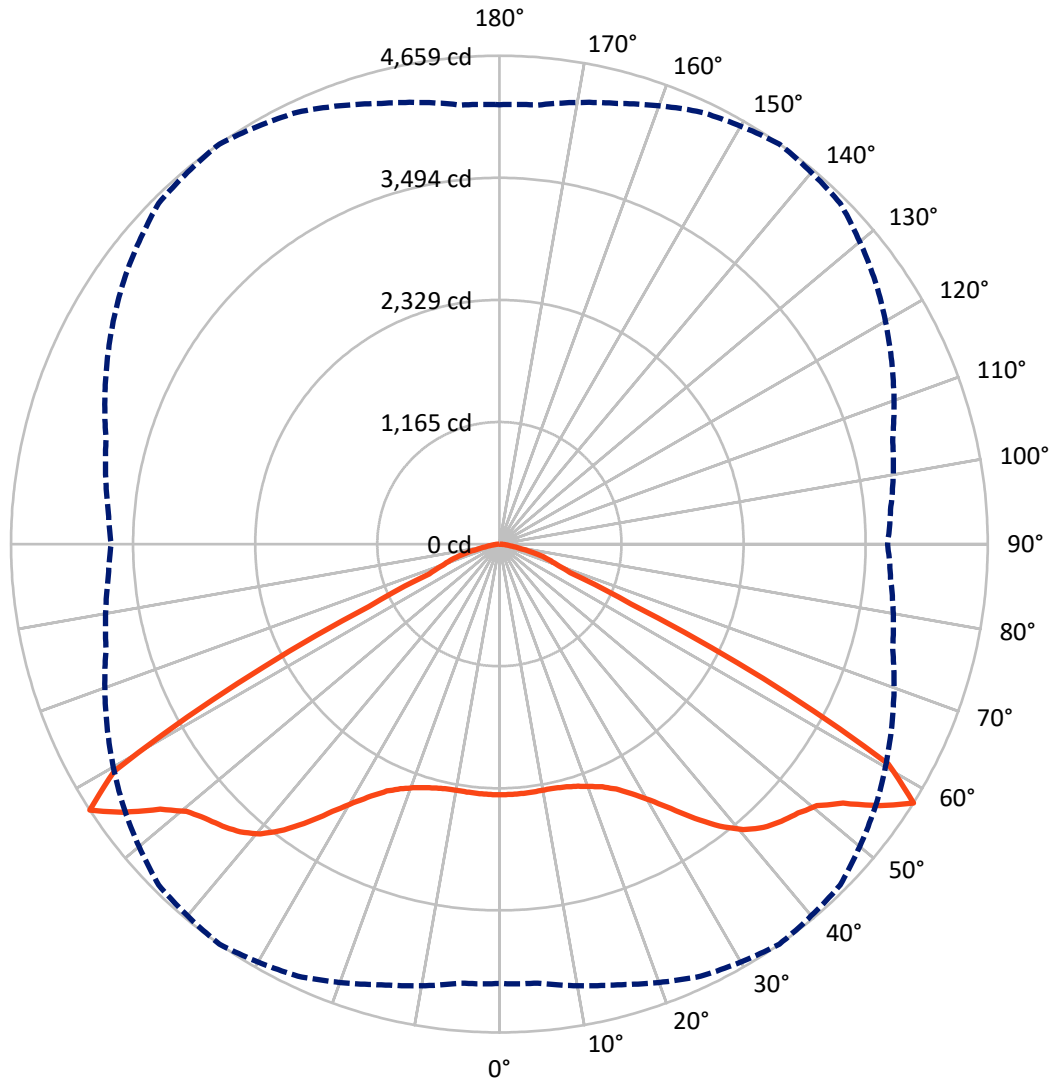
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	6249.9	0.0	6249.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6249.9	0.0	6249.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12499.8	0.0	12499.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.5	1.8
10°-20°	678.8	5.4
20°-30°	1184.4	9.5
30°-40°	1942.2	15.5
40°-50°	2860.4	22.9
50°-60°	3650.4	29.2
60°-70°	1538.4	12.3
70°-80°	367.5	2.9
80°-90°	50.0	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°	12499.8	100.0
0°-180°	12499.8	100.0

**Coefficient of Utilization**



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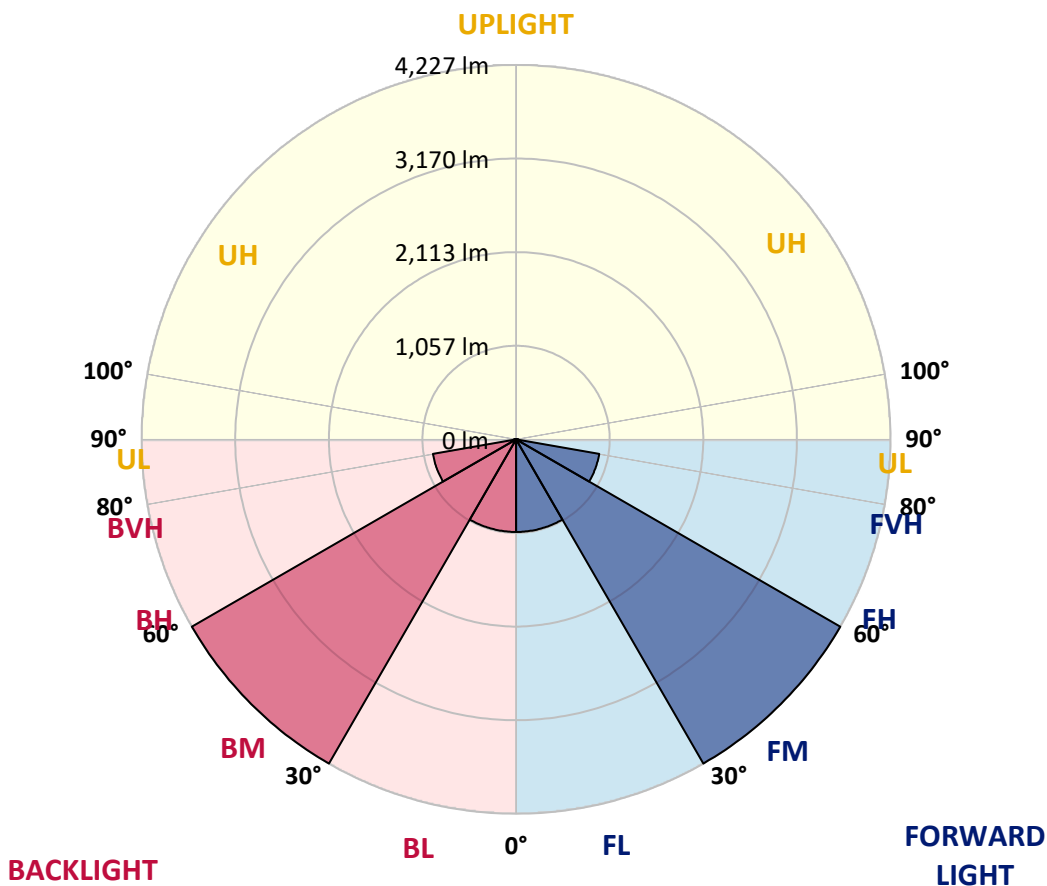
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1045.4	8.4			
FM (30°-60°)	4226.5	33.8			
FH (60°-80°)	953.0	7.6			G1/1800
FVH (80°-90°)	25.0	0.2			G1/100
BL (0°-30°)	1045.4	8.4	B3/2500		
BM (30°-60°)	4226.5	33.8	B3/5000		
BH (60°-80°)	953.0	7.6	B2/1000		G1/1800
BVH (80°-90°)	25.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7	2391.7
2.5°	2377.4	2377.4	2382.5	2387.6	2389.6	2398.9	2397.8	2394.8	2392.7	2386.6	2394.8
5°	2382.5	2382.5	2386.6	2389.6	2388.6	2395.8	2392.7	2387.6	2384.5	2378.4	2387.6
7.5°	2381.5	2381.5	2384.5	2387.6	2385.6	2391.7	2386.6	2379.4	2374.3	2368.2	2376.3
10°	2368.2	2370.2	2373.3	2380.4	2383.5	2392.7	2385.6	2374.3	2366.1	2358.9	2367.1
12.5°	2366.1	2368.2	2372.2	2381.5	2386.6	2399.9	2390.7	2372.2	2360.0	2350.8	2358.9
15°	2375.3	2377.4	2383.5	2394.8	2403.0	2417.3	2404.0	2378.4	2361.0	2348.7	2355.9
17.5°	2386.6	2389.6	2398.9	2415.2	2428.5	2443.9	2427.5	2396.8	2372.2	2355.9	2362.0
20°	2398.9	2403.0	2417.3	2441.8	2466.4	2485.8	2465.4	2424.4	2394.8	2373.3	2379.4
22.5°	2420.3	2425.5	2443.9	2478.7	2515.5	2544.2	2518.6	2463.3	2424.4	2396.8	2401.9
25°	2464.4	2470.5	2494.0	2536.0	2588.2	2623.0	2587.2	2524.7	2470.5	2436.7	2441.8
27.5°	2542.1	2545.2	2575.9	2631.2	2695.6	2735.6	2692.6	2618.9	2558.5	2519.6	2523.7
30°	2644.5	2653.7	2684.4	2757.0	2833.8	2887.0	2830.7	2743.7	2674.2	2627.1	2631.2
32.5°	2769.3	2775.5	2821.5	2897.3	3007.8	3069.2	2992.4	2889.1	2805.1	2747.8	2751.9
35°	2933.1	2938.2	2982.2	3078.4	3212.5	3269.8	3181.8	3063.0	2965.8	2911.6	2926.9
37.5°	3128.5	3137.8	3169.5	3264.7	3414.1	3470.4	3369.0	3258.5	3157.2	3107.1	3118.3
40°	3338.3	3337.3	3362.9	3446.8	3582.9	3617.7	3526.6	3438.6	3351.6	3318.9	3337.3
42.5°	3518.5	3513.3	3531.8	3601.4	3695.5	3698.6	3638.2	3589.1	3527.7	3505.2	3522.6
45°	3644.3	3646.4	3674.0	3722.1	3770.2	3744.6	3726.2	3718.0	3669.9	3639.2	3642.3
47.5°	3743.6	3751.8	3795.8	3828.6	3834.7	3791.7	3817.3	3829.6	3789.7	3742.6	3729.3
50°	3831.6	3844.9	3902.2	3937.0	3923.7	3869.5	3919.6	3938.1	3850.0	3760.0	3733.4
52.5°	3991.3	4006.6	4076.2	4121.2	4105.9	4051.7	4098.7	4033.2	3884.8	3774.3	3740.5
55°	4246.1	4253.3	4338.2	4411.9	4404.7	4338.2	4300.3	4155.0	3974.9	3860.3	3828.6
57.5°	4191.9	4204.1	4351.5	4548.0	4658.5	4598.2	4376.1	4128.4	3883.8	3745.7	3702.7
60°	3298.4	3328.1	3511.3	3857.2	4262.5	4261.5	3849.0	3464.2	3169.5	2986.3	2967.9
62.5°	1926.0	1946.5	2113.3	2463.3	2826.6	2849.2	2559.5	2295.5	2037.6	1913.8	1854.4
65°	911.9	910.8	977.4	1135.0	1380.6	1400.0	1313.0	1168.7	1016.2	974.3	963.0
67.5°	673.4	673.4	668.3	679.5	726.6	736.9	726.6	703.1	688.8	698.0	691.8
70°	584.4	585.4	579.2	576.2	576.2	573.1	577.2	586.4	592.6	604.8	598.7
72.5°	473.8	474.9	474.9	475.9	476.9	472.8	479.0	484.1	485.1	489.2	485.1
75°	336.7	338.7	344.9	350.0	354.1	354.1	356.1	357.2	353.1	358.2	350.0
77.5°	185.2	187.3	198.5	207.8	217.0	218.0	221.1	223.1	221.1	225.1	219.0
80°	102.3	104.4	109.5	113.6	120.8	126.9	131.0	133.0	133.0	136.1	133.0
82.5°	58.3	60.4	63.5	65.5	71.6	76.8	80.8	83.9	83.9	84.9	82.9
85°	27.6	27.6	29.7	31.7	34.8	36.8	42.0	45.0	45.0	47.1	45.0
87.5°	4.1	5.1	6.1	6.1	8.2	10.2	12.3	13.3	15.4	16.4	16.4
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)