

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: P636749

Luminaire Tested: GWS-SA4B-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636749  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

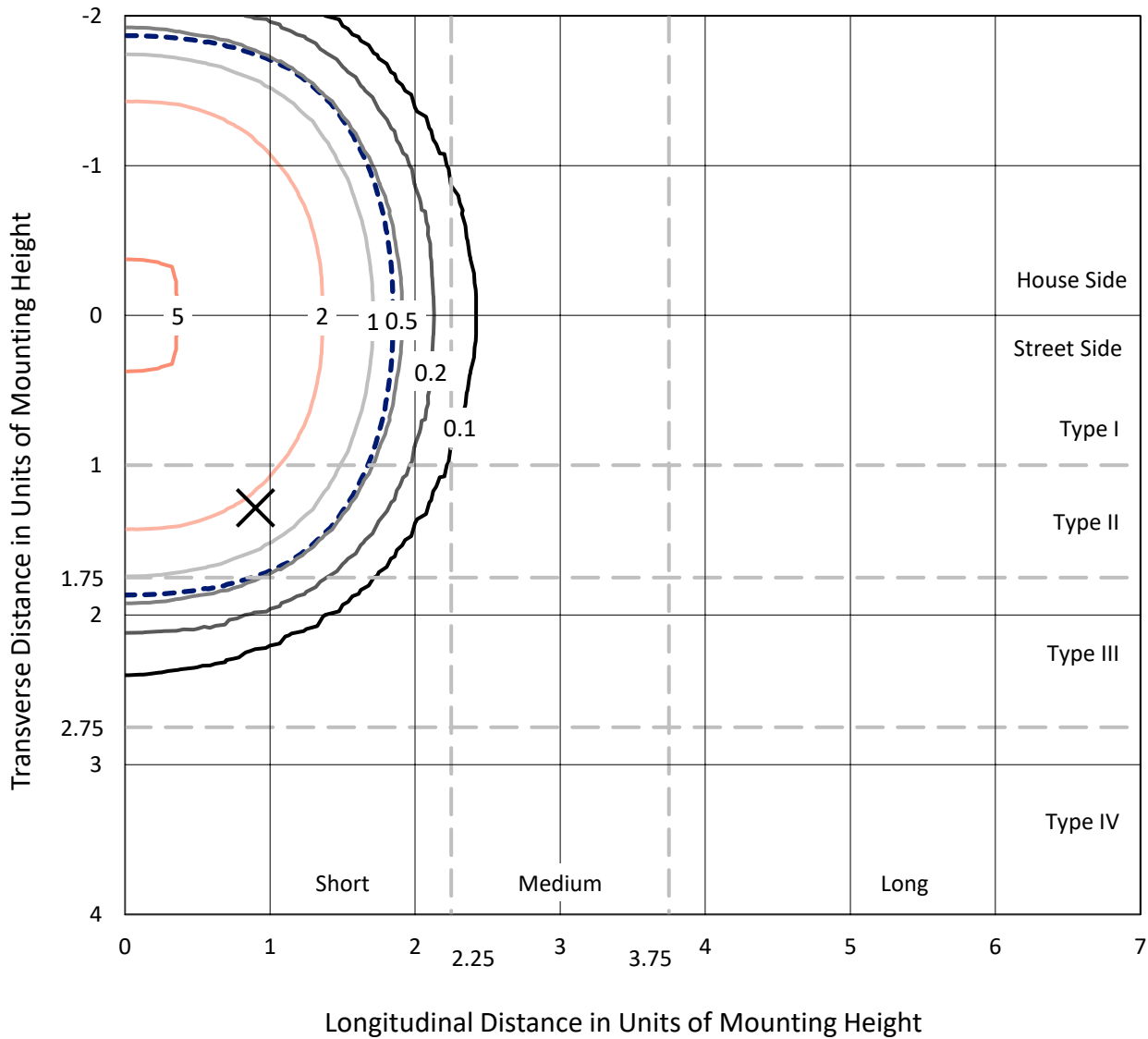
Lumens per Lamp: N/A  
Luminaire Lumens: 12673.5 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

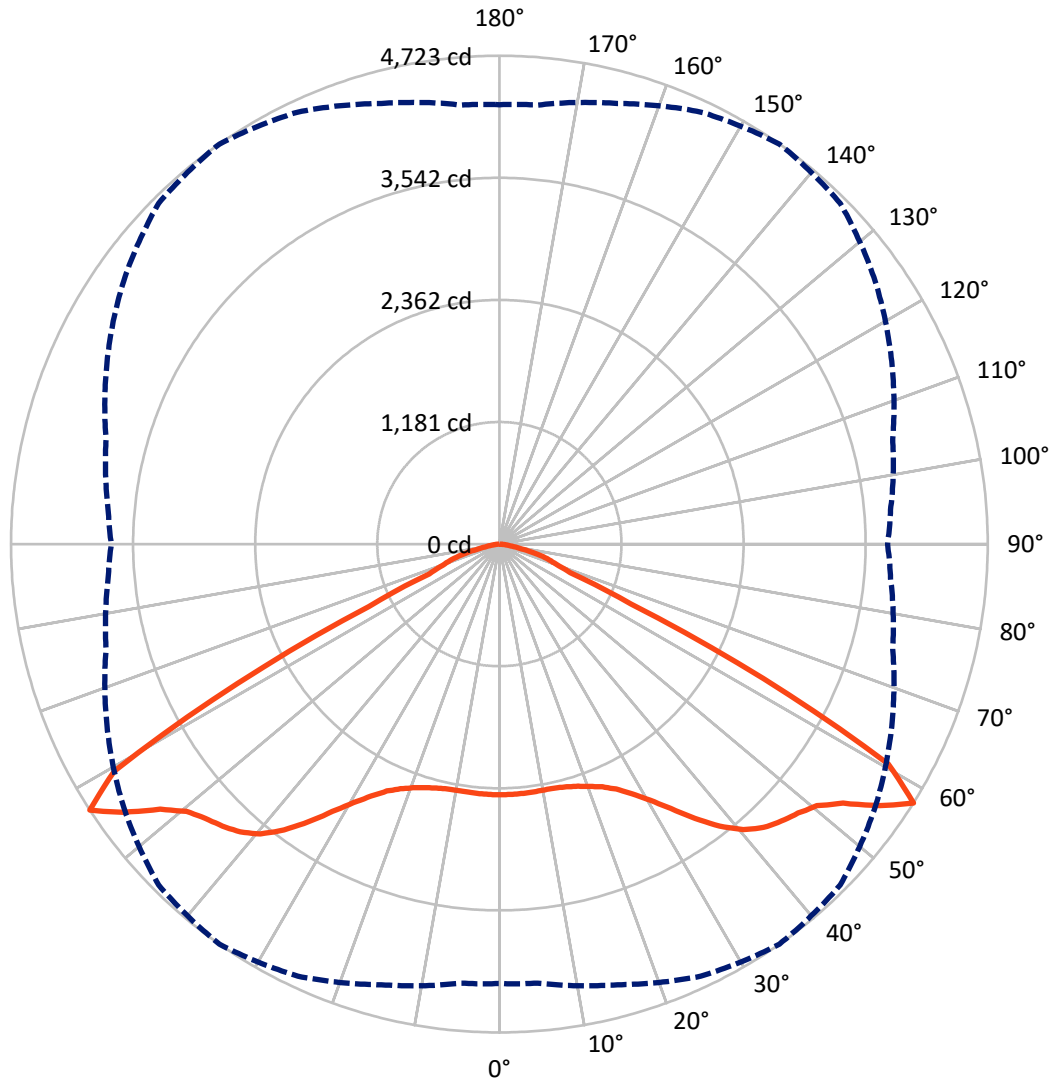
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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	6336.8	0.0	6336.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6336.8	0.0	6336.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12673.5	0.0	12673.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.7	1.8
10°-20°	688.3	5.4
20°-30°	1200.9	9.5
30°-40°	1969.2	15.5
40°-50°	2900.2	22.9
50°-60°	3701.1	29.2
60°-70°	1559.8	12.3
70°-80°	372.6	2.9
80°-90°	50.7	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°	12673.5	100.0
0°-180°	12673.5	100.0

**Coefficient of Utilization**



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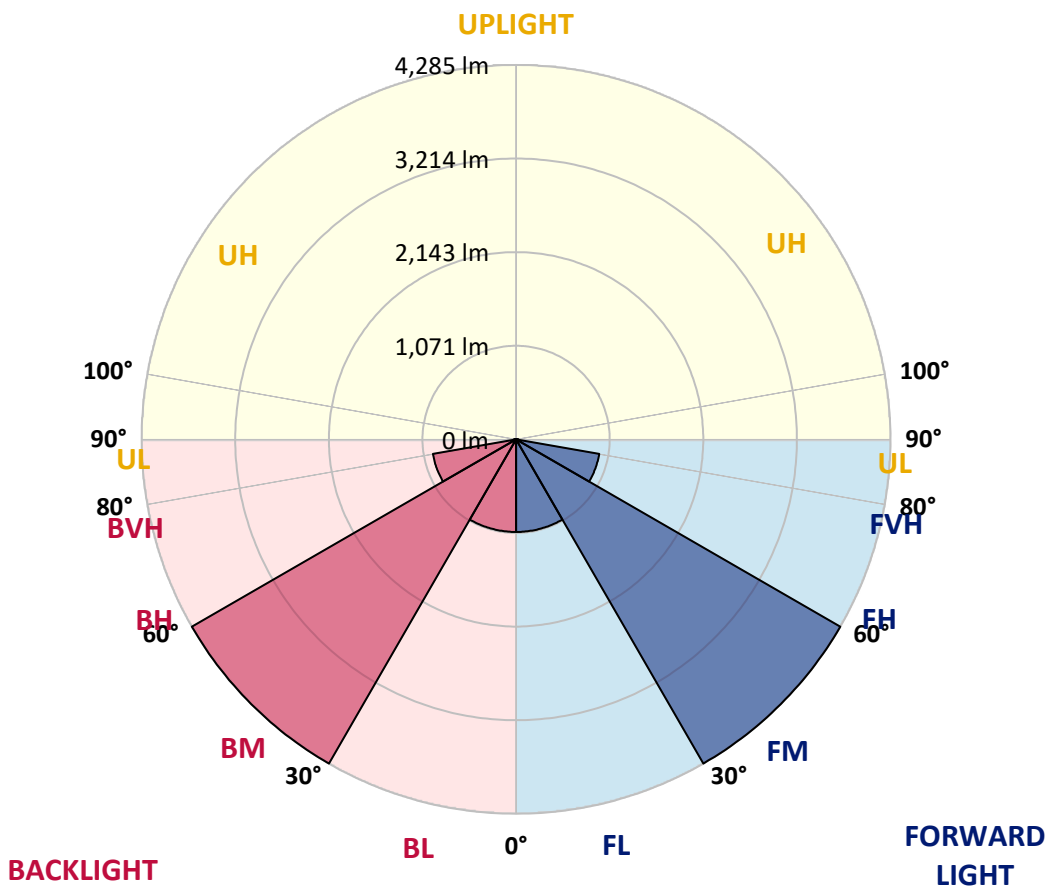
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1059.9	8.4			
FM (30°-60°)	4285.3	33.8			
FH (60°-80°)	966.2	7.6			G1/1800
FVH (80°-90°)	25.4	0.2			G1/100
BL (0°-30°)	1059.9	8.4	B3/2500		
BM (30°-60°)	4285.3	33.8	B3/5000		
BH (60°-80°)	966.2	7.6	B2/1000		G1/1800
BVH (80°-90°)	25.4	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°	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9
2.5°	2410.4	2410.4	2415.6	2420.8	2422.9	2432.2	2431.2	2428.0	2426.0	2419.7	2428.0
5°	2415.6	2415.6	2419.7	2422.9	2421.8	2429.1	2426.0	2420.8	2417.7	2411.4	2420.8
7.5°	2414.6	2414.6	2417.7	2420.8	2418.7	2424.9	2419.7	2412.5	2407.3	2401.1	2409.4
10°	2401.1	2403.1	2406.3	2413.5	2416.6	2426.0	2418.7	2407.3	2399.0	2391.7	2400.0
12.5°	2399.0	2401.1	2405.2	2414.6	2419.7	2433.2	2423.9	2405.2	2392.8	2383.4	2391.7
15°	2408.3	2410.4	2416.6	2428.0	2436.3	2450.9	2437.4	2411.4	2393.8	2381.3	2388.6
17.5°	2419.7	2422.9	2432.2	2448.8	2462.3	2477.8	2461.2	2430.1	2405.2	2388.6	2394.8
20°	2432.2	2436.3	2450.9	2475.8	2500.7	2520.4	2499.6	2458.1	2428.0	2406.3	2412.5
22.5°	2454.0	2459.2	2477.8	2513.1	2550.5	2579.5	2553.6	2497.6	2458.1	2430.1	2435.3
25°	2498.6	2504.8	2528.7	2571.2	2624.2	2659.4	2623.1	2559.8	2504.8	2470.6	2475.8
27.5°	2577.5	2580.6	2611.7	2667.7	2733.1	2773.6	2730.0	2655.3	2594.1	2554.6	2558.8
30°	2681.2	2690.6	2721.7	2795.4	2873.2	2927.1	2870.1	2781.9	2711.3	2663.6	2667.7
32.5°	2807.8	2814.0	2860.7	2937.5	3049.6	3111.8	3034.0	2929.2	2844.1	2786.0	2790.2
35°	2973.8	2979.0	3023.6	3121.2	3257.1	3315.2	3226.0	3105.6	3007.0	2952.0	2967.6
37.5°	3172.0	3181.4	3213.5	3310.0	3461.5	3518.6	3415.9	3303.8	3201.1	3150.2	3161.6
40°	3384.7	3383.7	3409.6	3494.7	3632.7	3668.0	3575.7	3486.4	3398.2	3365.0	3383.7
42.5°	3567.4	3562.2	3580.8	3651.4	3746.9	3750.0	3688.8	3639.0	3576.7	3553.9	3571.5
45°	3695.0	3697.1	3725.1	3773.8	3822.6	3796.7	3778.0	3769.7	3720.9	3689.8	3692.9
47.5°	3795.6	3803.9	3848.6	3881.8	3888.0	3844.4	3870.3	3882.8	3842.3	3794.6	3781.1
50°	3884.9	3898.4	3956.5	3991.7	3978.3	3923.3	3974.1	3992.8	3903.5	3812.2	3785.3
52.5°	4046.7	4062.3	4132.9	4178.5	4163.0	4108.0	4155.7	4089.3	3938.8	3826.8	3792.5
55°	4305.1	4312.4	4398.5	4473.2	4465.9	4398.5	4360.1	4212.8	4030.1	3913.9	3881.8
57.5°	4250.1	4262.6	4412.0	4611.2	4723.3	4662.0	4436.9	4185.8	3937.8	3797.7	3754.1
60°	3344.3	3374.4	3560.1	3910.8	4321.7	4320.7	3902.5	3512.4	3213.5	3027.8	3009.1
62.5°	1952.8	1973.6	2142.7	2497.6	2865.9	2888.7	2595.1	2327.4	2065.9	1940.4	1880.2
65°	924.5	923.5	990.9	1150.7	1399.8	1419.5	1331.3	1185.0	1030.4	987.8	976.4
67.5°	682.8	682.8	677.6	689.0	736.7	747.1	736.7	712.8	698.3	707.7	701.4
70°	592.5	593.5	587.3	584.2	584.2	581.1	585.2	594.6	600.8	613.2	607.0
72.5°	480.4	481.5	481.5	482.5	483.5	479.4	485.6	490.8	491.8	496.0	491.8
75°	341.4	343.5	349.7	354.9	359.0	359.0	361.1	362.1	358.0	363.2	354.9
77.5°	187.8	189.9	201.3	210.6	220.0	221.0	224.1	226.2	224.1	228.3	222.1
80°	103.8	105.8	111.0	115.2	122.4	128.7	132.8	134.9	134.9	138.0	134.9
82.5°	59.1	61.2	64.3	66.4	72.6	77.8	82.0	85.1	85.1	86.1	84.0
85°	28.0	28.0	30.1	32.2	35.3	37.4	42.5	45.7	45.7	47.7	45.7
87.5°	4.2	5.2	6.2	6.2	8.3	10.4	12.5	13.5	15.6	16.6	16.6
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)