

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: P637470

Luminaire Tested: GWS-SA4C-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637470  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4C-830-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

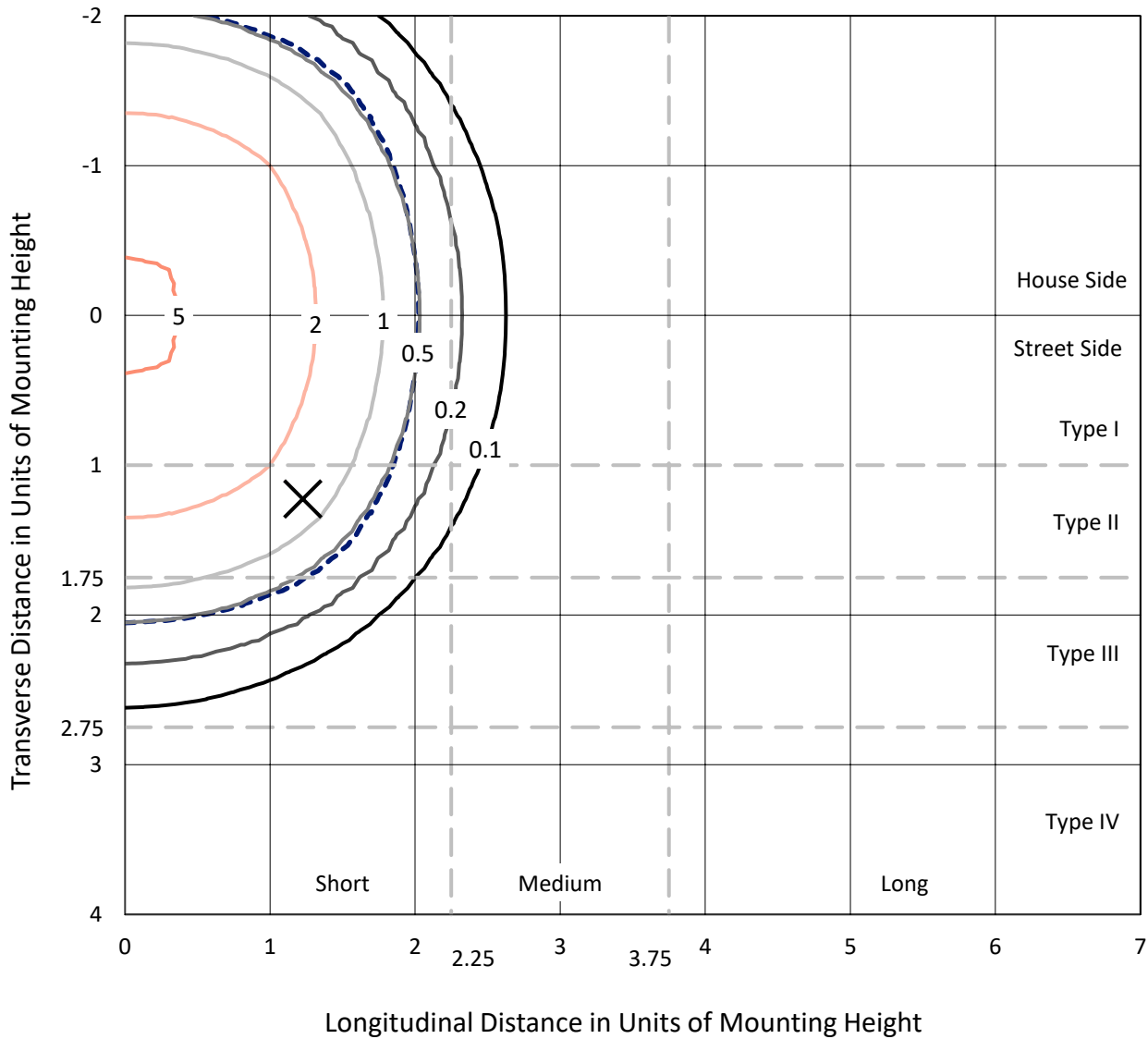
Lumens per Lamp: N/A  
Luminaire Lumens: 13023.2 lumens  
Efficiency: N/A  
Efficacy: 101.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

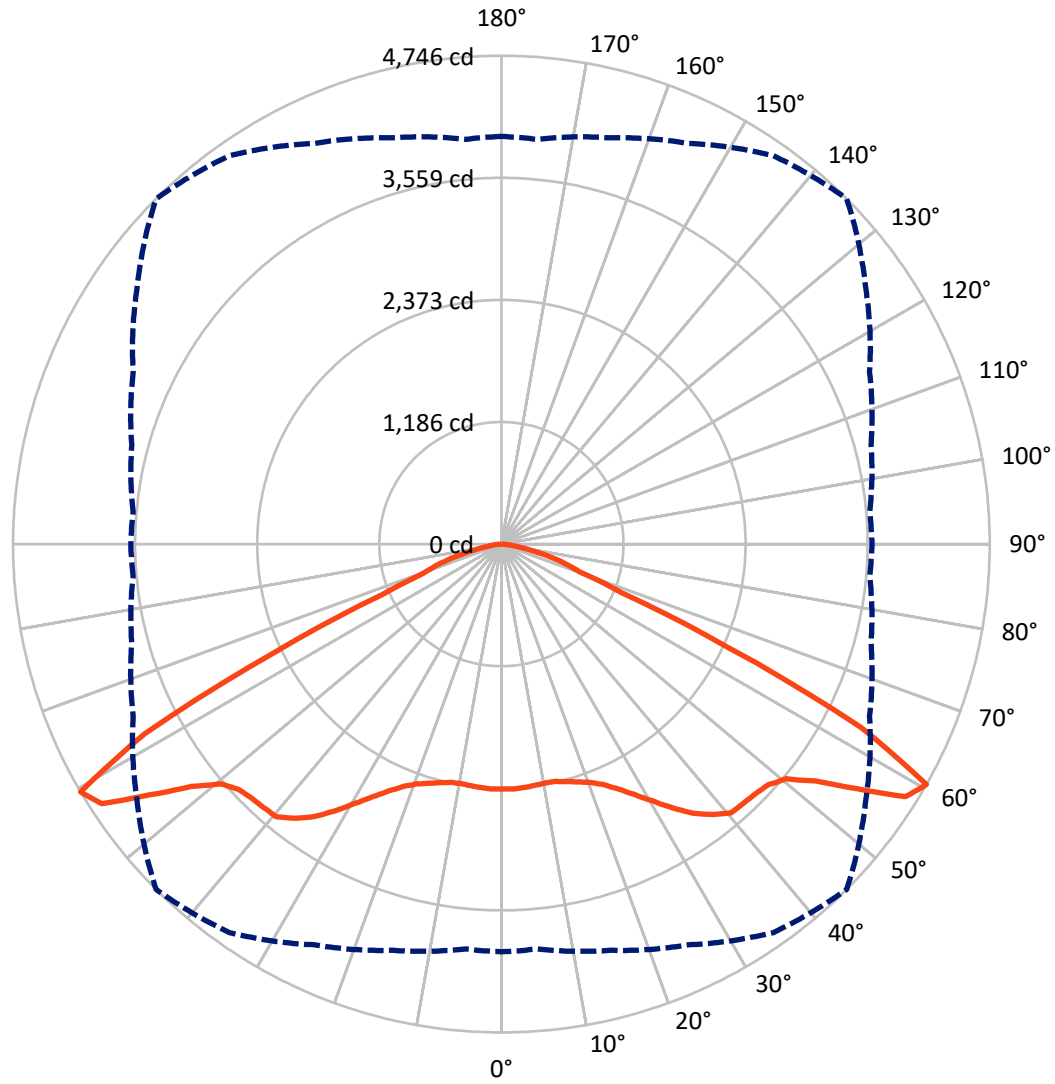
✕ Max cd  
 - - - 1/2 Max cd



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 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6511.6	0.0	6511.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6511.6	0.0	6511.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13023.2	0.0	13023.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.7	1.7
10°-20°	678.9	5.2
20°-30°	1201.1	9.2
30°-40°	1933.8	14.8
40°-50°	2657.9	20.4
50°-60°	3541.9	27.2
60°-70°	2207.5	17.0
70°-80°	507.6	3.9
80°-90°	68.9	0.5
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°	13023.2	100.0
0°-180°	13023.2	100.0

**Coefficient of Utilization**



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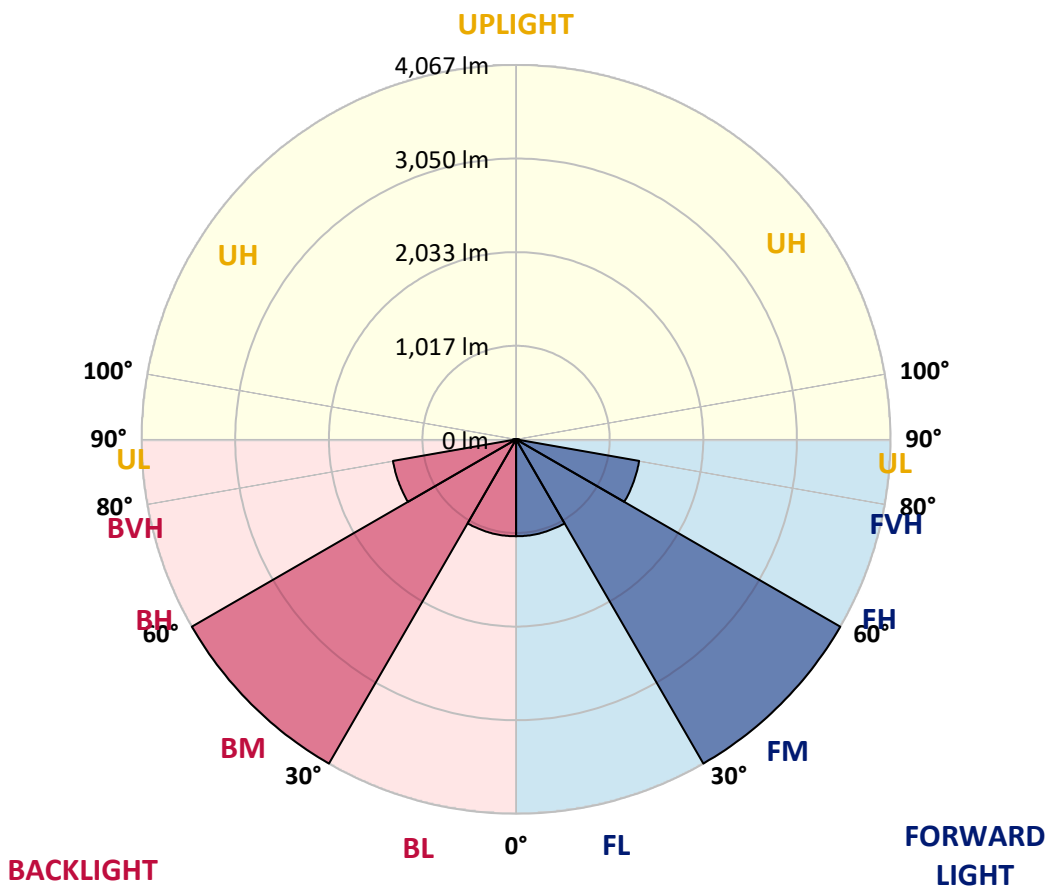
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1052.8	8.1			
FM (30°-60°)	4066.8	31.2			
FH (60°-80°)	1357.6	10.4			G1/1800
FVH (80°-90°)	34.4	0.3			G1/100
BL (0°-30°)	1052.8	8.1	B3/2500		
BM (30°-60°)	4066.8	31.2	B3/5000		
BH (60°-80°)	1357.6	10.4	B3/2500		G1/1800
BVH (80°-90°)	34.4	0.3			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°	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0
2.5°	2363.4	2365.6	2370.0	2373.3	2377.8	2382.2	2384.4	2380.0	2377.8	2368.9	2378.9
5°	2365.6	2367.8	2371.1	2371.1	2372.2	2375.5	2375.5	2370.0	2364.5	2354.5	2365.6
7.5°	2362.3	2364.5	2365.6	2364.5	2365.6	2366.7	2364.5	2357.9	2352.3	2343.5	2352.3
10°	2356.8	2359.0	2361.2	2359.0	2356.8	2360.1	2360.1	2355.7	2352.3	2343.5	2353.4
12.5°	2368.9	2372.2	2373.3	2367.8	2365.6	2366.7	2366.7	2362.3	2362.3	2354.5	2365.6
15°	2397.7	2399.9	2396.6	2389.9	2391.0	2394.3	2386.6	2375.5	2373.3	2370.0	2378.9
17.5°	2419.8	2422.0	2418.7	2414.2	2422.0	2429.7	2415.3	2394.3	2387.7	2385.5	2395.4
20°	2444.1	2447.4	2443.0	2448.5	2464.0	2472.8	2455.1	2426.4	2413.1	2409.8	2422.0
22.5°	2483.9	2488.3	2488.3	2500.5	2523.7	2538.0	2515.9	2477.2	2457.4	2451.8	2464.0
25°	2546.9	2550.2	2553.5	2577.8	2615.4	2635.3	2599.9	2546.9	2519.3	2510.4	2517.0
27.5°	2634.2	2639.7	2645.3	2680.6	2727.1	2755.8	2705.0	2638.6	2604.4	2586.7	2599.9
30°	2738.1	2745.9	2759.1	2798.9	2864.1	2896.2	2831.0	2750.3	2711.6	2692.8	2710.5
32.5°	2879.6	2880.7	2890.7	2934.9	3021.1	3057.6	2975.8	2886.3	2846.5	2824.4	2834.3
35°	3047.6	3048.8	3033.3	3078.6	3171.5	3212.4	3116.2	3025.5	2992.4	2985.7	3011.2
37.5°	3220.1	3210.1	3194.7	3214.6	3308.5	3335.1	3233.4	3156.0	3141.6	3153.8	3191.4
40°	3342.8	3326.2	3295.3	3309.6	3404.7	3435.6	3327.3	3254.4	3249.9	3279.8	3325.1
42.5°	3422.4	3404.7	3368.2	3368.2	3433.4	3446.7	3362.7	3324.0	3333.9	3368.2	3411.3
45°	3461.1	3451.1	3430.1	3419.1	3455.5	3461.1	3397.0	3381.5	3400.3	3416.9	3450.0
47.5°	3490.9	3490.9	3484.3	3473.2	3489.8	3493.1	3445.6	3441.2	3465.5	3465.5	3487.6
50°	3544.0	3549.5	3558.3	3556.1	3573.8	3584.9	3549.5	3542.9	3552.8	3520.8	3531.8
52.5°	3683.3	3697.6	3723.1	3743.0	3788.3	3822.5	3759.5	3706.5	3654.5	3583.8	3586.0
55°	3933.1	3939.7	3989.5	4048.1	4124.3	4194.0	4064.6	3899.9	3787.2	3704.3	3705.4
57.5°	4144.2	4154.2	4227.1	4349.8	4521.2	4629.5	4343.2	4067.9	3908.8	3807.1	3810.4
60°	3961.8	3948.6	4086.7	4296.8	4607.4	4745.6	4323.3	3947.5	3718.6	3592.6	3601.5
62.5°	3065.3	3039.9	3193.6	3413.5	3786.1	3924.2	3535.1	3174.8	2958.1	2859.7	2845.4
65°	1866.0	1842.7	1953.3	2088.1	2340.2	2427.5	2249.5	2058.3	1869.3	1809.6	1793.0
67.5°	1015.9	1012.6	1042.4	1108.7	1219.3	1260.2	1225.9	1135.3	1086.6	1044.6	1044.6
70°	805.9	799.2	793.7	794.8	804.7	810.3	811.4	807.0	812.5	813.6	809.2
72.5°	667.7	665.5	654.4	655.5	651.1	648.9	656.6	661.0	669.9	671.0	671.0
75°	484.2	478.6	484.2	485.3	480.9	480.9	486.4	485.3	489.7	491.9	479.8
77.5°	275.2	275.2	283.0	291.8	298.5	298.5	304.0	304.0	309.5	308.4	306.2
80°	151.4	151.4	155.9	161.4	168.0	174.7	180.2	181.3	184.6	183.5	180.2
82.5°	86.2	87.3	89.5	92.9	99.5	105.0	110.5	111.6	115.0	115.0	111.6
85°	40.9	39.8	40.9	43.1	46.4	50.8	56.4	59.7	61.9	61.9	59.7
87.5°	7.7	8.8	7.7	8.8	9.9	13.3	15.5	17.7	21.0	22.1	19.9
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)