

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: P636697

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636697  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4B-735-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

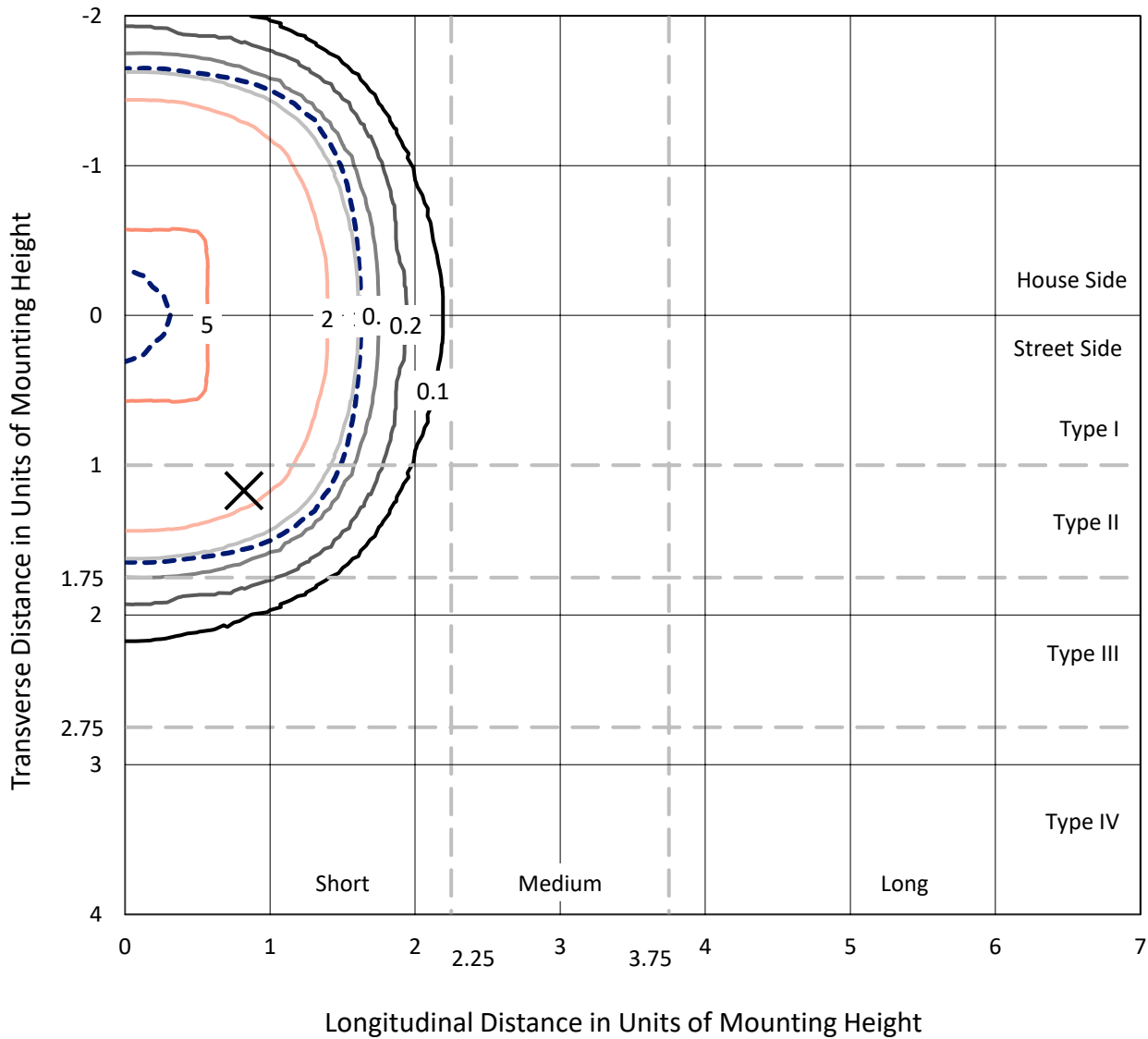
Lumens per Lamp: N/A  
Luminaire Lumens: 12941.9 lumens  
Efficiency: N/A  
Efficacy: 137.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

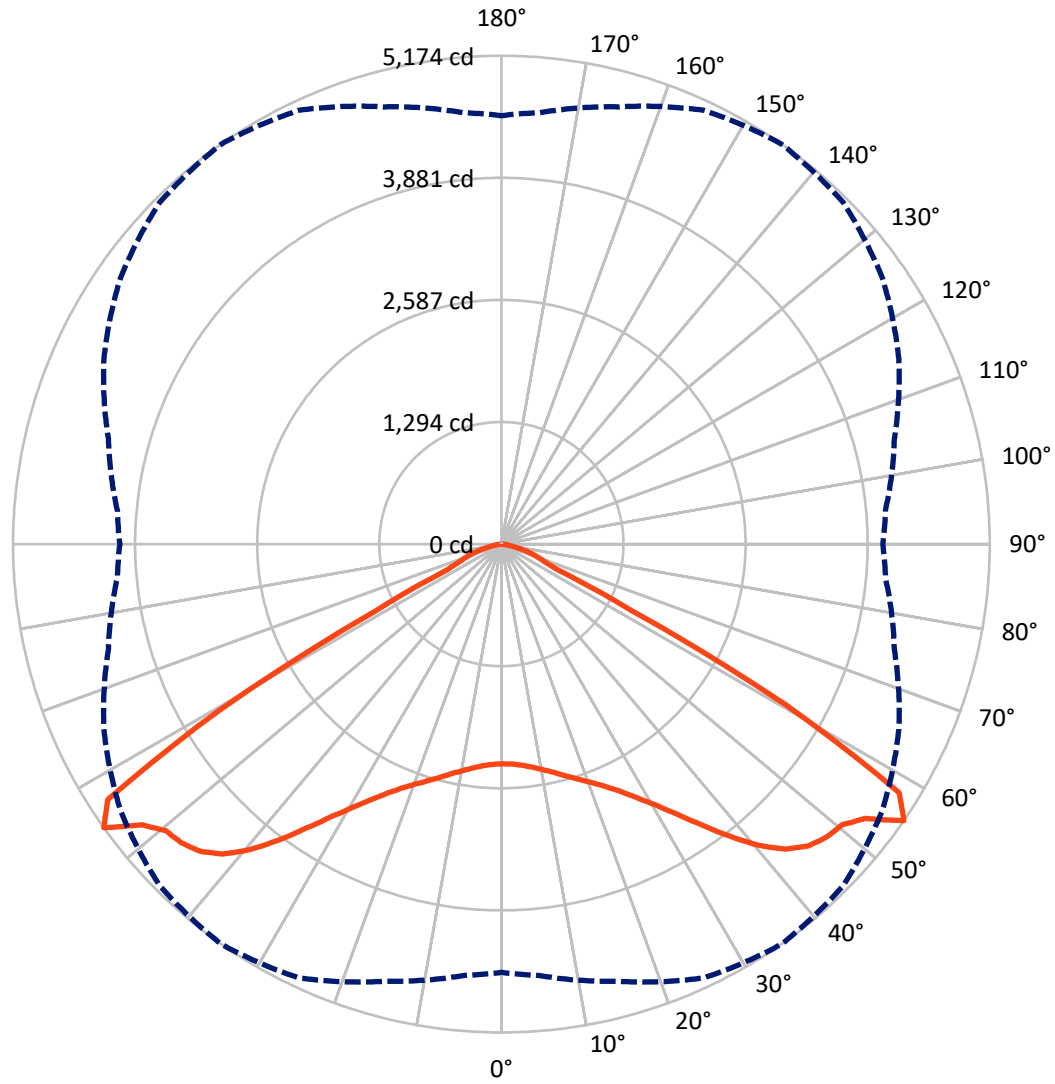
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6470.9	0.0	6470.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6470.9	0.0	6470.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12941.9	0.0	12941.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.1	1.8
10°-20°	723.0	5.6
20°-30°	1338.2	10.3
30°-40°	2238.5	17.3
40°-50°	3411.1	26.4
50°-60°	3821.1	29.5
60°-70°	904.1	7.0
70°-80°	243.7	1.9
80°-90°	35.1	0.3
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°	12941.9	100.0
0°-180°	12941.9	100.0

**Coefficient of Utilization**



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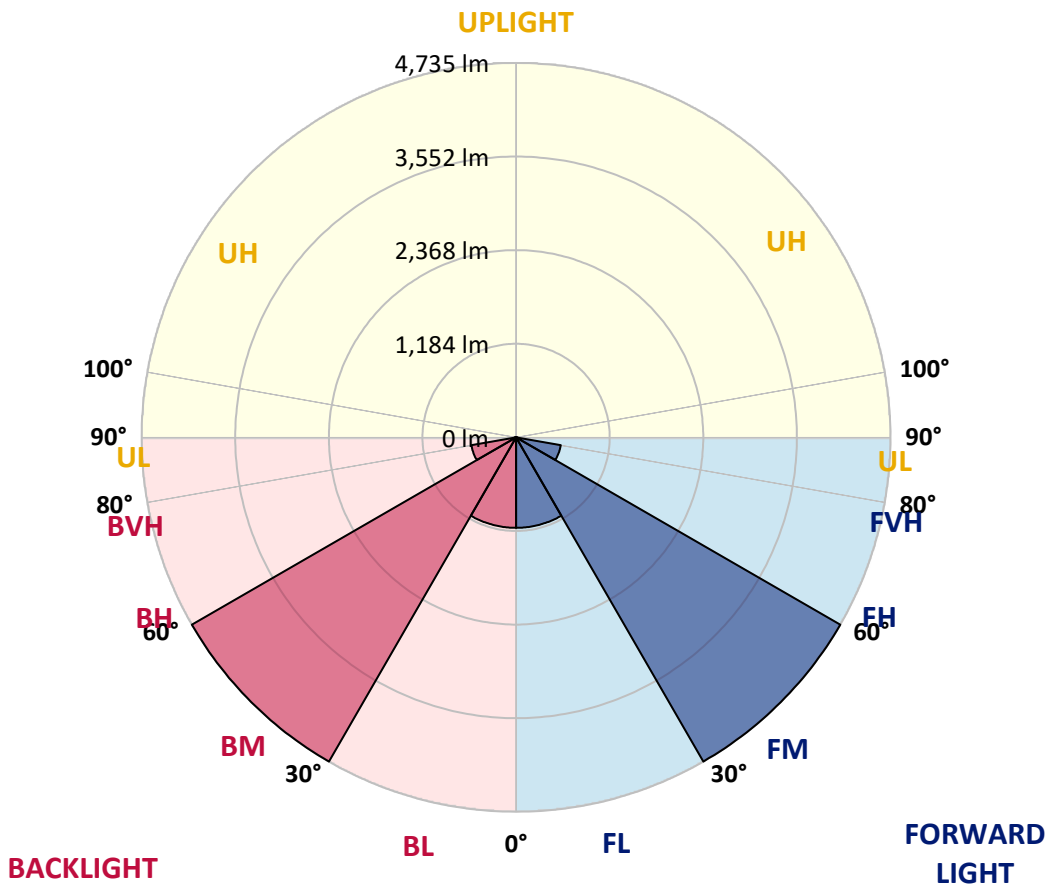
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1144.1	8.8			
FM (30°-60°)	4735.3	36.6			
FH (60°-80°)	573.9	4.4			G0/660
FVH (80°-90°)	17.5	0.1			G1/100
BL (0°-30°)	1144.1	8.8	B3/2500		
BM (30°-60°)	4735.3	36.6	B3/5000		
BH (60°-80°)	573.9	4.4	B2/1000		G0/660
BVH (80°-90°)	17.5	0.1			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°	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3	2328.3
2.5°	2323.2	2323.2	2327.3	2332.4	2333.4	2343.6	2341.6	2337.5	2335.4	2331.4	2340.6
5°	2348.8	2349.8	2352.8	2355.9	2353.9	2362.1	2359.0	2353.9	2350.8	2345.7	2354.9
7.5°	2382.5	2382.5	2385.6	2389.7	2387.6	2399.9	2393.8	2386.6	2381.5	2375.4	2383.5
10°	2413.2	2415.3	2418.3	2426.5	2430.6	2443.9	2439.8	2429.6	2421.4	2414.2	2423.5
12.5°	2459.3	2461.3	2464.4	2475.7	2482.8	2496.1	2490.0	2475.7	2463.4	2453.1	2463.4
15°	2518.6	2516.6	2524.8	2539.1	2548.3	2560.6	2553.4	2528.9	2512.5	2499.2	2509.4
17.5°	2579.0	2578.0	2586.2	2604.6	2617.9	2634.3	2622.0	2593.3	2576.0	2559.6	2569.8
20°	2644.5	2647.6	2655.8	2673.2	2692.6	2714.1	2703.9	2673.2	2653.7	2635.3	2643.5
22.5°	2725.4	2726.4	2735.6	2758.1	2783.7	2804.2	2798.0	2760.2	2735.6	2716.2	2726.4
25°	2822.6	2821.6	2833.9	2860.5	2896.3	2916.7	2903.4	2861.5	2834.9	2812.4	2820.5
27.5°	2934.1	2933.1	2951.5	2986.3	3037.5	3066.2	3038.5	2986.3	2949.5	2917.8	2924.9
30°	3074.4	3071.3	3091.8	3138.8	3205.4	3253.5	3212.5	3139.9	3091.8	3058.0	3065.1
32.5°	3229.9	3234.0	3259.6	3323.0	3407.0	3469.4	3408.0	3327.1	3262.7	3213.5	3221.7
35°	3400.8	3400.8	3453.0	3531.8	3651.6	3734.5	3639.3	3522.6	3436.6	3369.1	3371.1
37.5°	3591.2	3593.2	3661.8	3770.3	3926.9	4024.1	3895.1	3750.8	3646.4	3573.8	3569.7
40°	3823.5	3829.6	3900.3	4021.0	4197.0	4286.1	4147.9	4006.7	3900.3	3814.3	3806.1
42.5°	4085.5	4087.5	4162.3	4270.7	4419.1	4472.3	4363.9	4248.2	4161.2	4083.4	4075.3
45°	4335.2	4330.1	4394.6	4475.4	4561.4	4566.5	4506.1	4459.0	4383.3	4316.8	4304.5
47.5°	4529.7	4525.6	4583.9	4627.9	4638.1	4588.0	4607.4	4614.6	4526.6	4436.5	4413.0
50°	4648.4	4656.6	4711.8	4736.4	4676.0	4594.1	4667.8	4649.4	4523.5	4405.8	4368.0
52.5°	4720.0	4732.3	4828.5	4890.9	4828.5	4750.7	4761.0	4652.5	4471.3	4315.8	4266.6
55°	4538.9	4588.0	4795.8	5072.1	5174.4	5120.2	4925.7	4646.3	4310.6	4084.5	4042.5
57.5°	3364.0	3441.8	3749.8	4348.5	4970.8	5168.3	4600.3	3895.1	3386.5	3095.8	3071.3
60°	1717.3	1804.3	2050.9	2666.0	3466.3	3744.7	3204.3	2494.1	1982.4	1747.0	1720.4
62.5°	701.0	715.4	796.2	1033.7	1532.1	1767.4	1552.5	1089.9	818.7	754.3	755.3
65°	551.6	554.7	550.6	564.9	641.7	712.3	658.1	578.2	563.9	571.1	566.0
67.5°	481.0	482.0	479.0	479.0	482.0	479.0	485.1	488.2	490.2	498.4	493.3
70°	402.2	403.2	403.2	405.3	404.3	399.1	408.3	412.4	413.5	418.6	415.5
72.5°	311.1	314.2	316.2	317.3	316.2	313.2	318.3	325.4	324.4	329.5	324.4
75°	210.8	214.9	217.0	221.1	220.0	220.0	226.2	229.2	226.2	230.3	226.2
77.5°	119.7	122.8	129.0	133.0	137.1	140.2	144.3	146.3	145.3	147.4	145.3
80°	69.6	70.6	75.7	77.8	82.9	88.0	92.1	94.2	95.2	96.2	95.2
82.5°	39.9	40.9	43.0	45.0	49.1	53.2	57.3	60.4	60.4	61.4	60.4
85°	19.4	19.4	20.5	21.5	23.5	26.6	29.7	32.7	33.8	33.8	33.8
87.5°	3.1	3.1	4.1	4.1	5.1	6.1	8.2	10.2	11.3	11.3	11.3
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)