

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: P637027

Luminaire Tested: GWS-SA4C-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637027
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-SA4C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12962.4 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

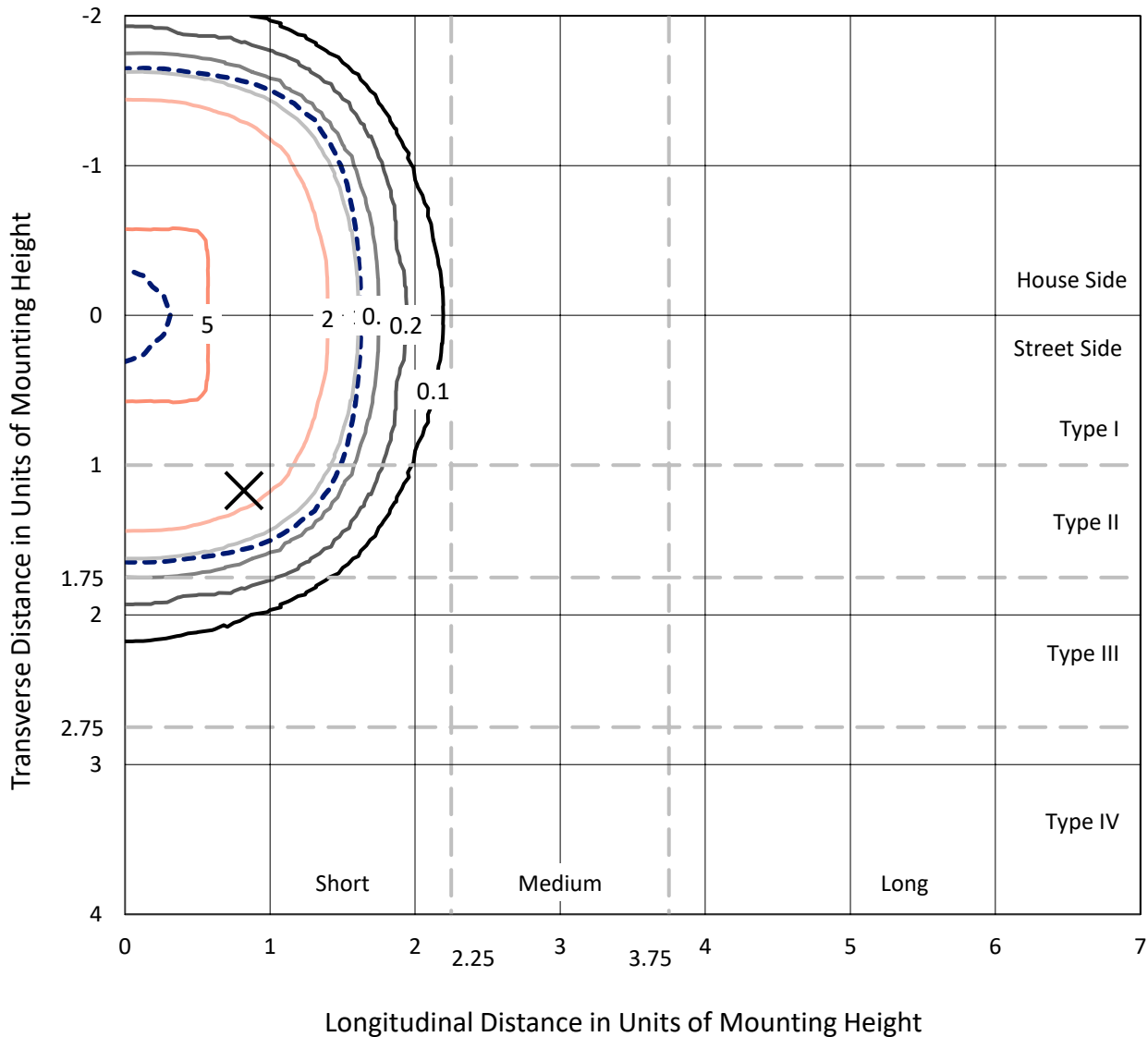
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

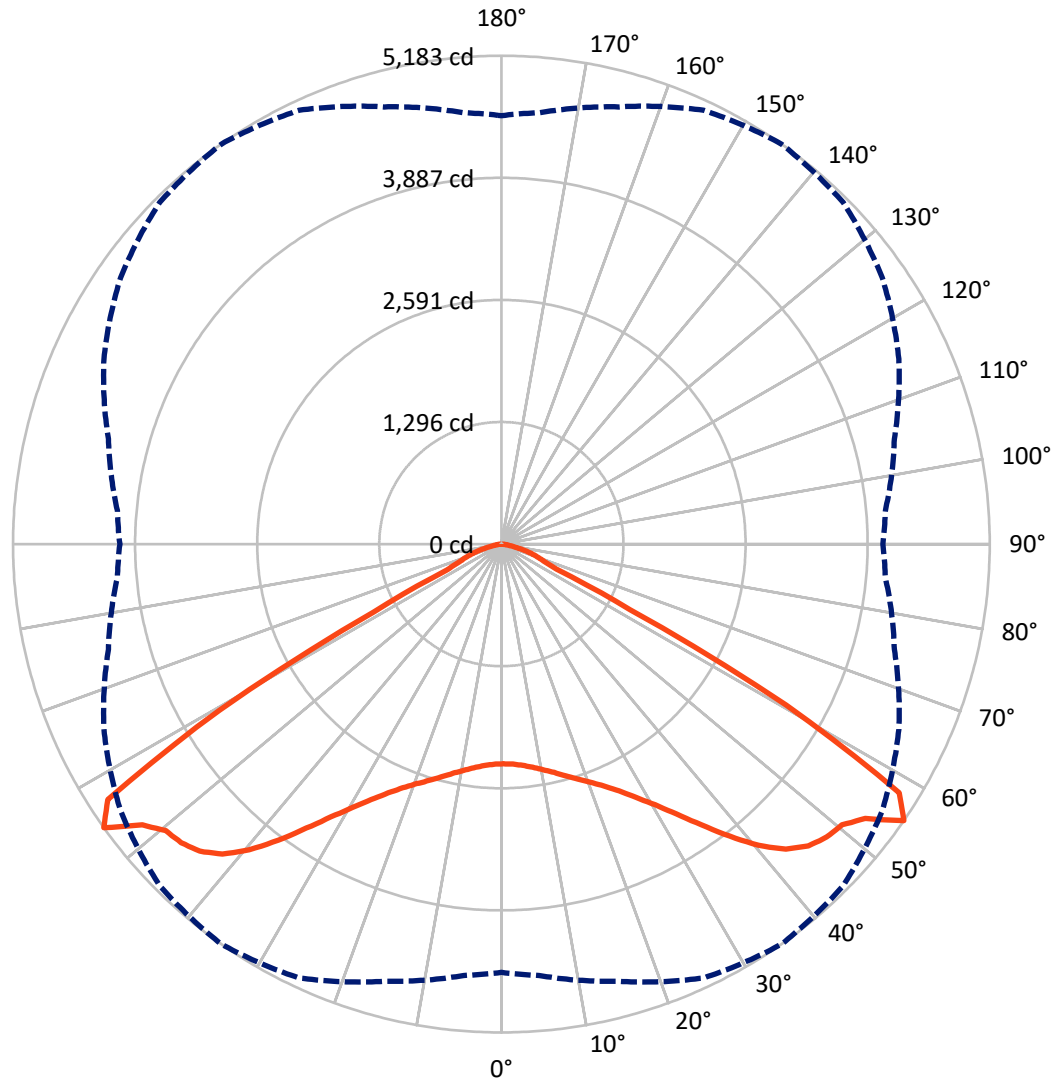
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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
House Side	Lumens	6481.2	0.0	6481.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6481.2	0.0	6481.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12962.4	0.0	12962.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	1.8
10°-20°	724.2	5.6
20°-30°	1340.3	10.3
30°-40°	2242.0	17.3
40°-50°	3416.5	26.4
50°-60°	3827.2	29.5
60°-70°	905.5	7.0
70°-80°	244.1	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°	12962.4	100.0
0°-180°	12962.4	100.0

Coefficient of Utilization



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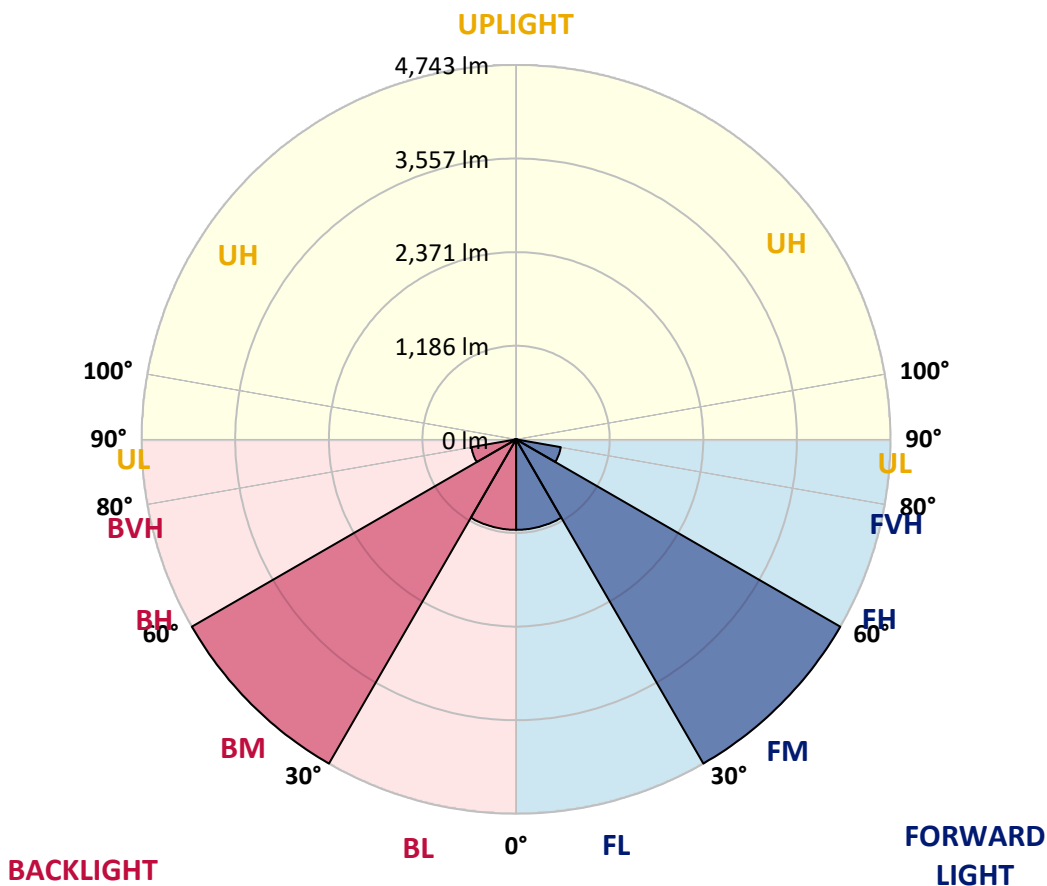
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1146.0	8.8			
FM (30°-60°)	4742.8	36.6			
FH (60°-80°)	574.8	4.4			G0/660
FVH (80°-90°)	17.6	0.1			G1/100
BL (0°-30°)	1146.0	8.8	B3/2500		
BM (30°-60°)	4742.8	36.6	B3/5000		
BH (60°-80°)	574.8	4.4	B2/1000		G0/660
BVH (80°-90°)	17.6	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°	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0	2332.0
2.5°	2326.8	2326.8	2330.9	2336.1	2337.1	2347.3	2345.3	2341.2	2339.1	2335.0	2344.3
5°	2352.5	2353.5	2356.6	2359.6	2357.6	2365.8	2362.7	2357.6	2354.5	2349.4	2358.6
7.5°	2386.3	2386.3	2389.4	2393.5	2391.4	2403.7	2397.6	2390.4	2385.3	2379.1	2387.3
10°	2417.0	2419.1	2422.2	2430.4	2434.5	2447.8	2443.7	2433.4	2425.2	2418.1	2427.3
12.5°	2463.2	2465.2	2468.3	2479.6	2486.8	2500.1	2493.9	2479.6	2467.3	2457.0	2467.3
15°	2522.6	2520.6	2528.8	2543.1	2552.4	2564.7	2557.5	2532.9	2516.5	2503.2	2513.4
17.5°	2583.1	2582.1	2590.3	2608.7	2622.1	2638.5	2626.2	2597.5	2580.0	2563.6	2573.9
20°	2648.7	2651.8	2660.0	2677.4	2696.9	2718.4	2708.2	2677.4	2657.9	2639.5	2647.7
22.5°	2729.7	2730.7	2739.9	2762.5	2788.1	2808.6	2802.5	2764.5	2739.9	2720.5	2730.7
25°	2827.1	2826.0	2838.3	2865.0	2900.9	2921.4	2908.0	2866.0	2839.4	2816.8	2825.0
27.5°	2938.8	2937.8	2956.2	2991.1	3042.3	3071.0	3043.3	2991.1	2954.2	2922.4	2929.6
30°	3079.2	3076.2	3096.7	3143.8	3210.4	3258.6	3217.6	3144.8	3096.7	3062.8	3070.0
32.5°	3235.0	3239.1	3264.8	3328.3	3412.4	3474.9	3413.4	3332.4	3267.8	3218.6	3226.8
35°	3406.2	3406.2	3458.5	3537.4	3657.3	3740.4	3645.0	3528.2	3442.1	3374.4	3376.5
37.5°	3596.9	3598.9	3667.6	3776.3	3933.1	4030.5	3901.3	3756.8	3652.2	3579.4	3575.3
40°	3829.6	3835.7	3906.4	4027.4	4203.7	4292.9	4154.5	4013.0	3906.4	3820.3	3812.1
42.5°	4092.0	4094.0	4168.8	4277.5	4426.1	4479.4	4370.8	4254.9	4167.8	4089.9	4081.7
45°	4342.1	4337.0	4401.5	4482.5	4568.6	4573.7	4513.3	4466.1	4390.3	4323.6	4311.3
47.5°	4536.8	4532.7	4591.2	4635.2	4645.5	4595.3	4614.7	4621.9	4533.8	4443.6	4420.0
50°	4655.7	4663.9	4719.3	4743.9	4683.4	4601.4	4675.2	4656.8	4530.7	4412.8	4374.9
52.5°	4727.5	4739.8	4836.1	4898.7	4836.1	4758.2	4768.5	4659.8	4478.4	4322.6	4273.4
55°	4546.1	4595.3	4803.3	5080.1	5182.6	5128.3	4933.5	4653.7	4317.5	4090.9	4048.9
57.5°	3369.3	3447.2	3755.8	4355.4	4978.6	5176.5	4607.6	3901.3	3391.9	3100.8	3076.2
60°	1720.0	1807.1	2054.2	2670.2	3471.8	3750.6	3209.4	2498.0	1985.5	1749.7	1723.1
62.5°	702.2	716.5	797.5	1035.3	1534.5	1770.2	1555.0	1091.7	820.0	755.5	756.5
65°	552.5	555.6	551.5	565.8	642.7	713.4	659.1	579.1	564.8	572.0	566.8
67.5°	481.8	482.8	479.7	479.7	482.8	479.7	485.9	488.9	491.0	499.2	494.1
70°	402.8	403.9	403.9	405.9	404.9	399.8	409.0	413.1	414.1	419.2	416.2
72.5°	311.6	314.7	316.7	317.8	316.7	313.7	318.8	326.0	324.9	330.1	324.9
75°	211.2	215.3	217.3	221.4	220.4	220.4	226.5	229.6	226.5	230.6	226.5
77.5°	119.9	123.0	129.2	133.3	137.4	140.4	144.5	146.6	145.6	147.6	145.6
80°	69.7	70.7	75.9	77.9	83.0	88.2	92.3	94.3	95.3	96.4	95.3
82.5°	40.0	41.0	43.1	45.1	49.2	53.3	57.4	60.5	60.5	61.5	60.5
85°	19.5	19.5	20.5	21.5	23.6	26.7	29.7	32.8	33.8	33.8	33.8
87.5°	3.1	3.1	4.1	4.1	5.1	6.2	8.2	10.3	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)