

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: P638510

Luminaire Tested: GWS-SA4F-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4F-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25954.4 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

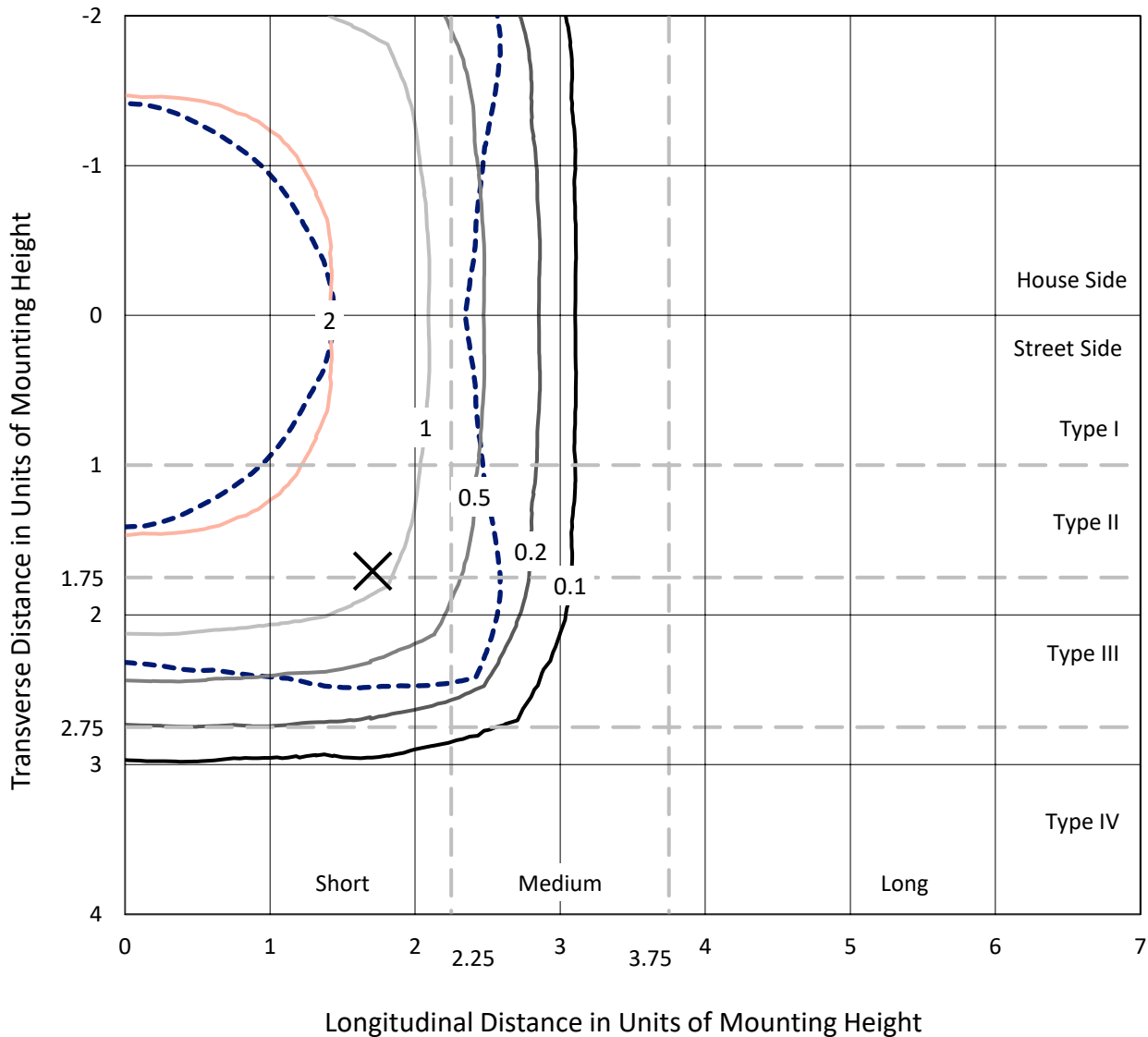
Input Watts (W): 225.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P638510
 CATALOG NUMBER: GWS-SA4F-722-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

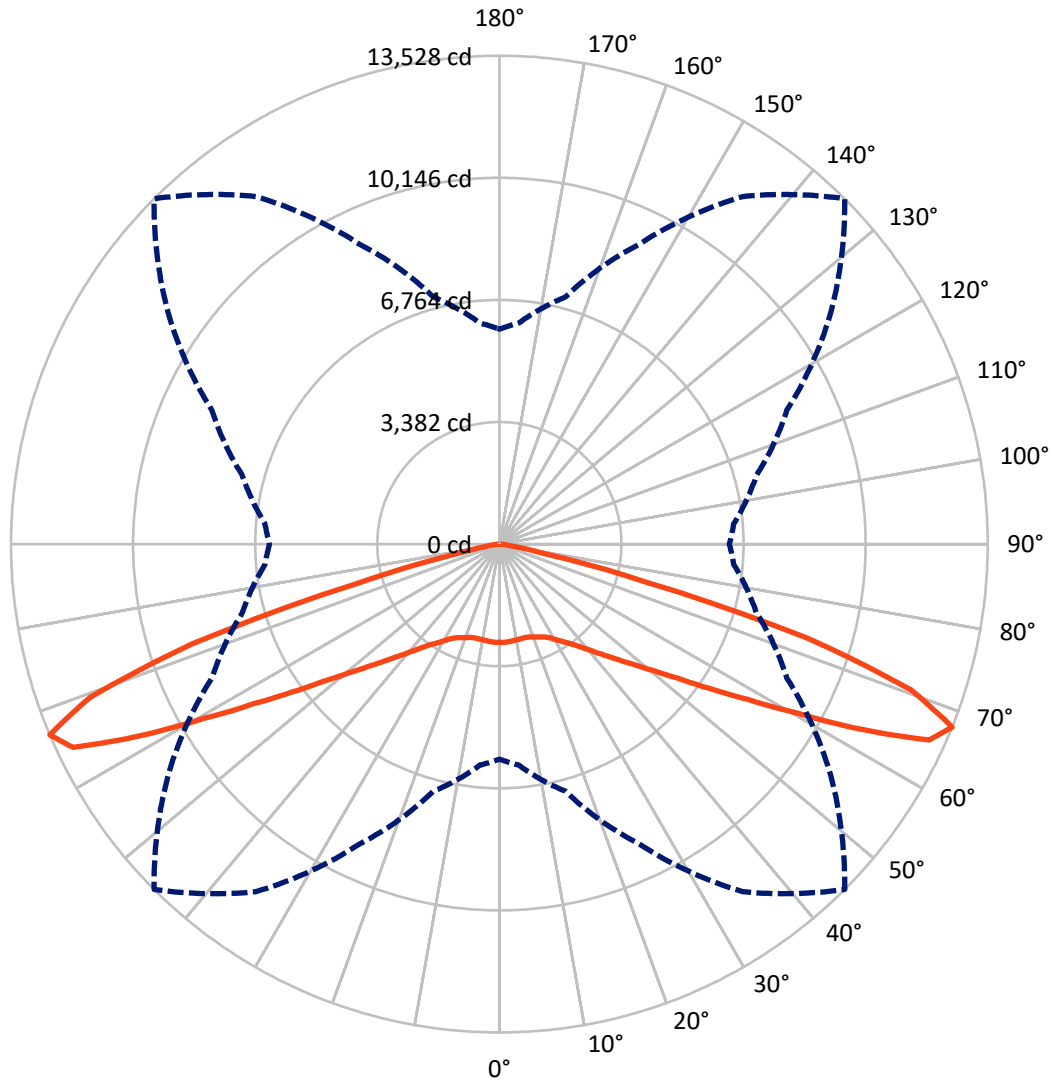
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

REPORT NUMBER: P638510
CATALOG NUMBER: GWS-SA4F-722-U-5MQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P638510

CATALOG NUMBER: GWS-SA4F-722-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12977.2	0.0	12977.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12977.2	0.0	12977.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	25954.4	0.0	25954.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	1.0
10°-20°	755.6	2.9
20°-30°	1303.3	5.0
30°-40°	2119.2	8.2
40°-50°	3568.2	13.7
50°-60°	6322.2	24.4
60°-70°	9037.2	34.8
70°-80°	2480.3	9.6
80°-90°	111.1	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°	25954.4	100.0
0°-180°	25954.4	100.0

Coefficient of Utilization



REPORT NUMBER: P638510

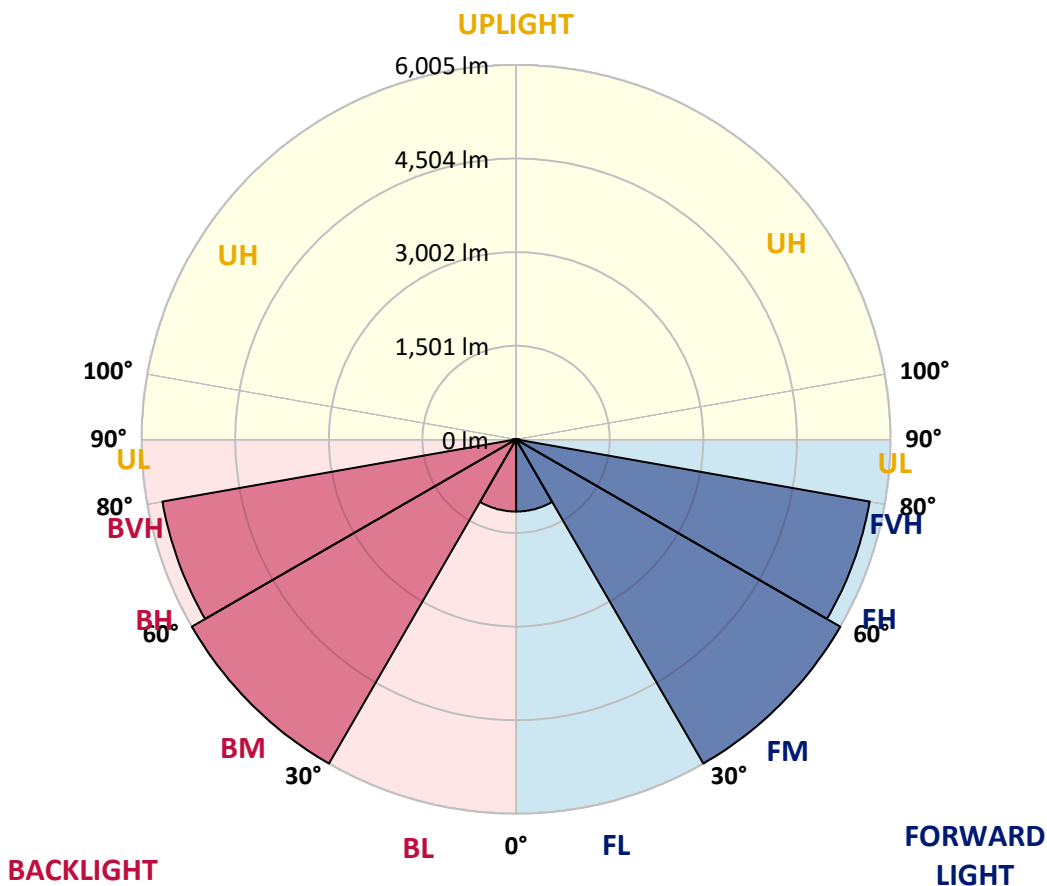
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1158.1	4.5			
FM (30°-60°)	6004.8	23.1			
FH (60°-80°)	5758.7	22.2			G3/7500
FVH (80°-90°)	55.6	0.2			G1/100
BL (0°-30°)	1158.1	4.5	B3/2500		
BM (30°-60°)	6004.8	23.1	B4/8500		
BH (60°-80°)	5758.7	22.2	B5		G3/7500
BVH (80°-90°)	55.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3
2.5°	2700.3	2698.5	2707.5	2712.9	2711.1	2723.7	2721.9	2718.3	2718.3	2712.9	2727.2
5°	2700.3	2698.5	2705.7	2707.5	2703.9	2714.7	2711.1	2707.5	2707.5	2700.3	2712.9
7.5°	2685.9	2687.7	2693.1	2696.7	2693.1	2702.1	2696.7	2689.5	2687.7	2680.5	2693.1
10°	2659.0	2660.8	2666.2	2675.1	2676.9	2693.1	2684.1	2671.6	2666.2	2659.0	2671.6
12.5°	2642.8	2644.6	2650.0	2660.8	2664.4	2685.9	2676.9	2657.2	2648.2	2641.0	2653.6
15°	2639.2	2641.0	2648.2	2659.0	2664.4	2685.9	2676.9	2653.6	2641.0	2632.0	2642.8
17.5°	2639.2	2642.8	2653.6	2669.8	2680.5	2702.1	2691.3	2664.4	2646.4	2630.2	2641.0
20°	2641.0	2646.4	2662.6	2685.9	2712.9	2743.4	2729.0	2693.1	2668.0	2648.2	2655.4
22.5°	2657.2	2666.2	2685.9	2716.5	2756.0	2791.9	2779.4	2730.8	2694.9	2668.0	2675.1
25°	2712.9	2716.5	2741.6	2781.1	2818.9	2849.4	2836.8	2791.9	2747.0	2714.7	2723.7
27.5°	2811.7	2820.7	2842.2	2883.6	2915.9	2932.1	2930.3	2899.7	2854.8	2826.1	2833.2
30°	2930.3	2939.2	2968.0	3014.7	3047.0	3065.0	3059.6	3036.3	2994.9	2955.4	2962.6
32.5°	3068.6	3072.2	3106.3	3158.4	3192.6	3219.5	3201.6	3176.4	3124.3	3077.6	3081.2
35°	3244.7	3250.1	3286.0	3334.5	3361.5	3383.0	3379.4	3354.3	3298.6	3248.3	3260.8
37.5°	3465.7	3469.2	3501.6	3562.7	3584.2	3600.4	3604.0	3591.4	3533.9	3469.2	3481.8
40°	3740.5	3742.3	3778.3	3832.2	3855.5	3866.3	3868.1	3869.9	3810.6	3762.1	3758.5
42.5°	4060.3	4069.3	4119.6	4171.7	4182.5	4177.1	4195.1	4213.0	4155.6	4089.1	4094.5
45°	4443.0	4448.4	4516.7	4574.2	4554.4	4536.4	4570.6	4606.5	4554.4	4468.2	4443.0
47.5°	4895.8	4906.5	4980.2	5037.7	5005.3	4973.0	5028.7	5066.4	4982.0	4890.4	4867.0
50°	5407.8	5415.0	5519.2	5591.0	5553.3	5494.0	5564.1	5603.6	5490.4	5377.2	5326.9
52.5°	6013.2	5998.9	6137.2	6263.0	6239.6	6162.4	6219.9	6227.0	6058.2	5898.3	5848.0
55°	6751.6	6737.3	6875.6	7014.0	7071.4	7051.7	7024.7	6981.6	6731.9	6561.2	6514.5
57.5°	7612.2	7567.3	7761.3	7948.2	8074.0	8109.9	7994.9	7894.3	7696.7	7486.5	7432.6
60°	8411.7	8409.9	8717.1	9040.5	9385.5	9529.2	9238.2	8965.1	8521.3	8138.6	8061.4
62.5°	8636.3	8674.0	9177.1	9978.4	10829.9	11338.4	10571.2	9667.5	8810.6	8233.8	8131.4
65°	8082.9	8176.4	8891.4	10156.2	11837.8	13081.1	11349.2	9683.7	8489.0	7770.3	7662.5
67.5°	5957.5	6144.4	7091.2	9164.5	11751.6	13528.4	11210.8	8787.2	7373.3	6518.1	6369.0
70°	2939.2	3117.1	3868.1	6029.4	9669.3	12093.0	9699.9	6622.3	4980.2	4157.3	4020.8
72.5°	1081.6	1153.4	1448.1	2579.9	5335.9	8932.7	6633.1	3699.2	2412.8	1920.6	1828.9
75°	530.0	542.6	587.5	866.0	1969.1	4204.1	3117.1	1419.3	887.5	772.5	747.4
77.5°	337.8	343.2	364.7	413.2	632.4	1324.1	945.0	560.5	434.8	416.8	416.8
80°	188.6	194.0	222.8	256.9	296.4	454.5	339.6	336.0	285.7	249.7	244.3
82.5°	89.8	98.8	141.9	140.1	156.3	228.2	199.4	181.5	183.3	138.3	131.2
85°	41.3	41.3	55.7	66.5	70.1	77.3	91.6	104.2	102.4	70.1	75.5
87.5°	19.8	19.8	19.8	18.0	16.2	14.4	19.8	32.3	46.7	32.3	30.5
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)