

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: P636255

Luminaire Tested: GWS-SA3F-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636255
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-SA3F-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25320.8 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

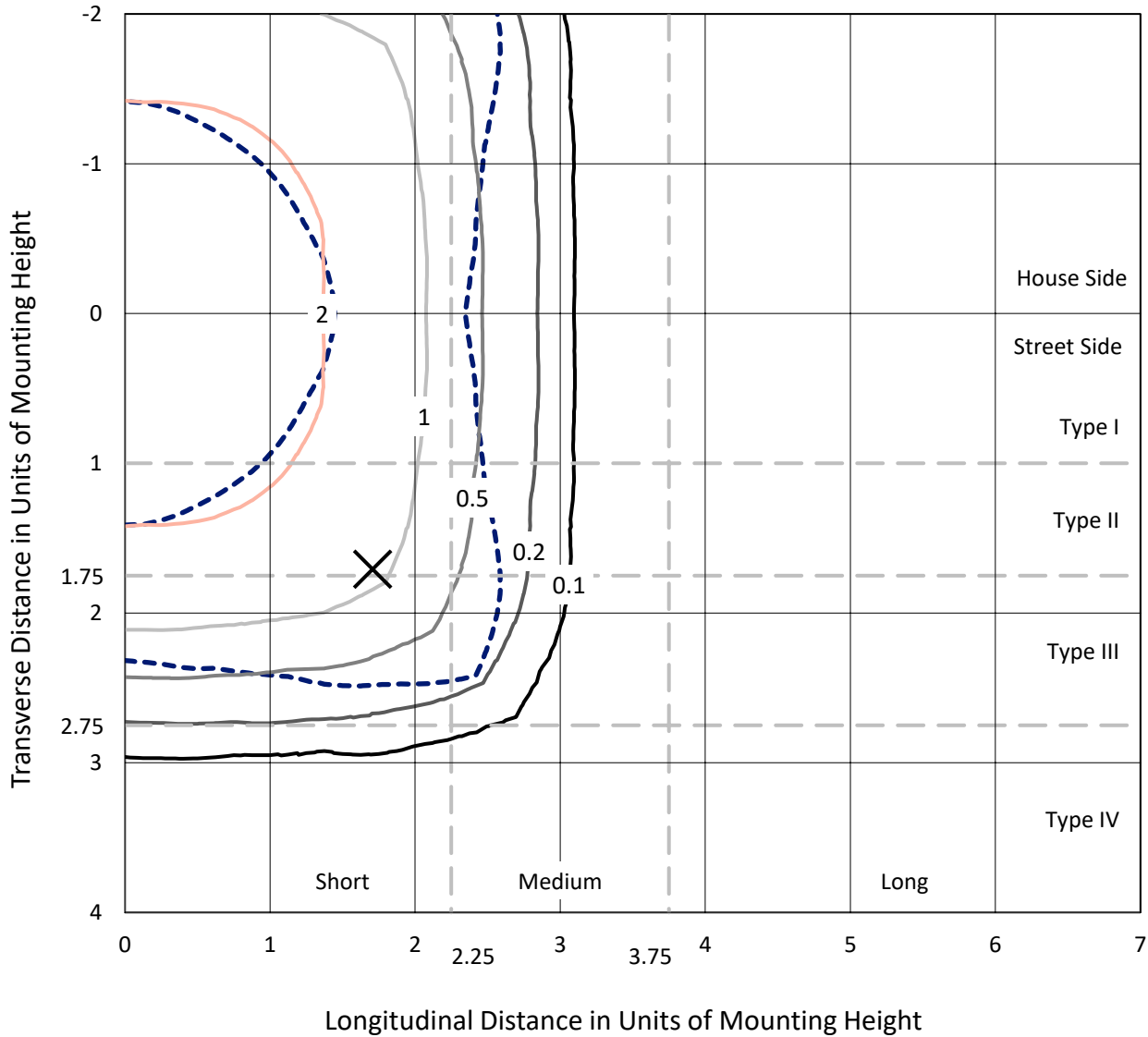
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

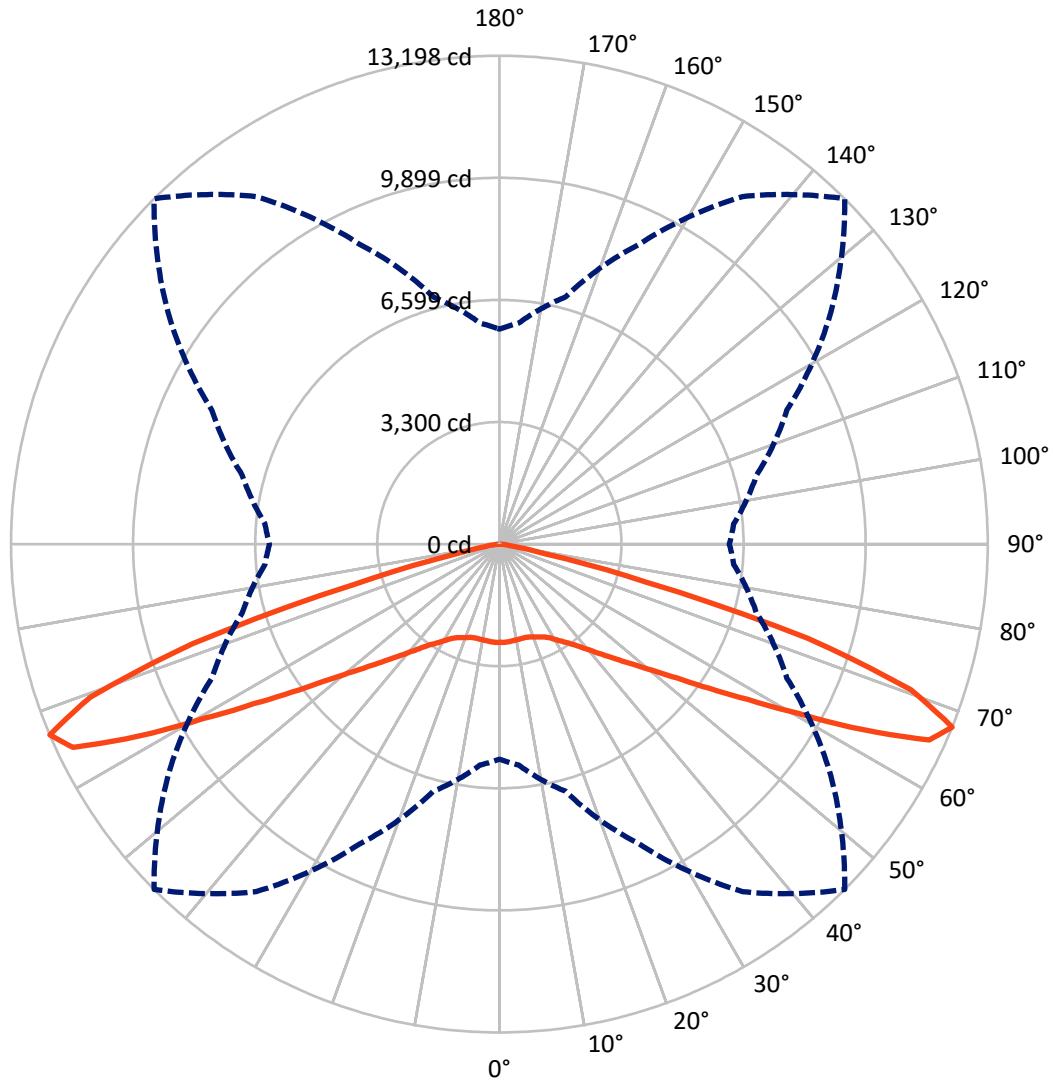
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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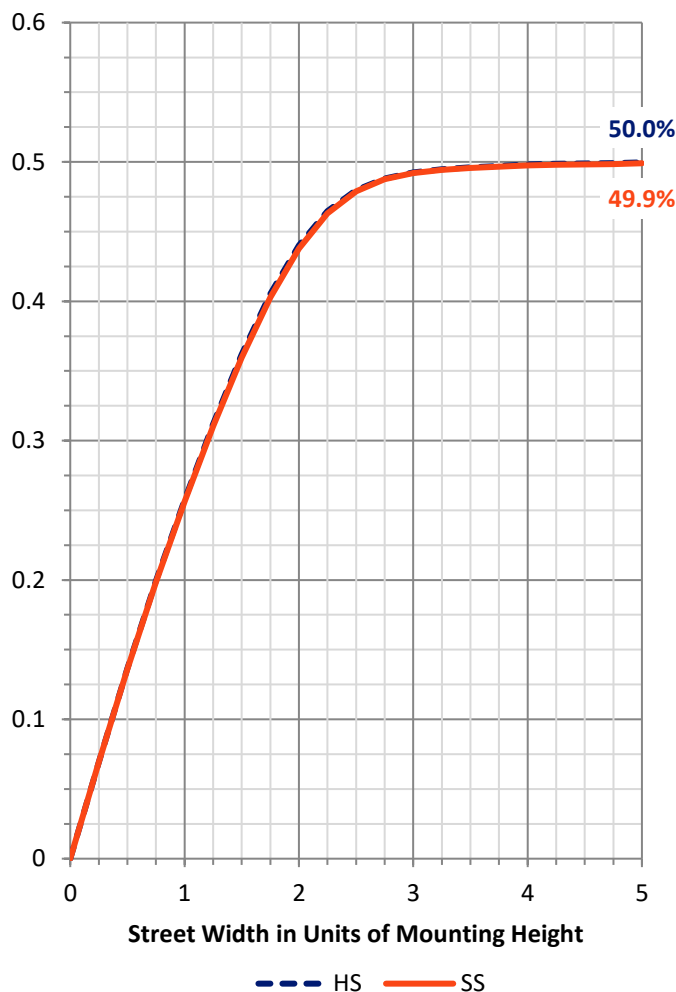
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12660.4	0.0	12660.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12660.4	0.0	12660.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	25320.8	0.0	25320.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.0	1.0
10°-20°	737.2	2.9
20°-30°	1271.4	5.0
30°-40°	2067.4	8.2
40°-50°	3481.1	13.7
50°-60°	6167.9	24.4
60°-70°	8816.6	34.8
70°-80°	2419.8	9.6
80°-90°	108.4	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°	25320.8	100.0
0°-180°	25320.8	100.0

Coefficient of Utilization



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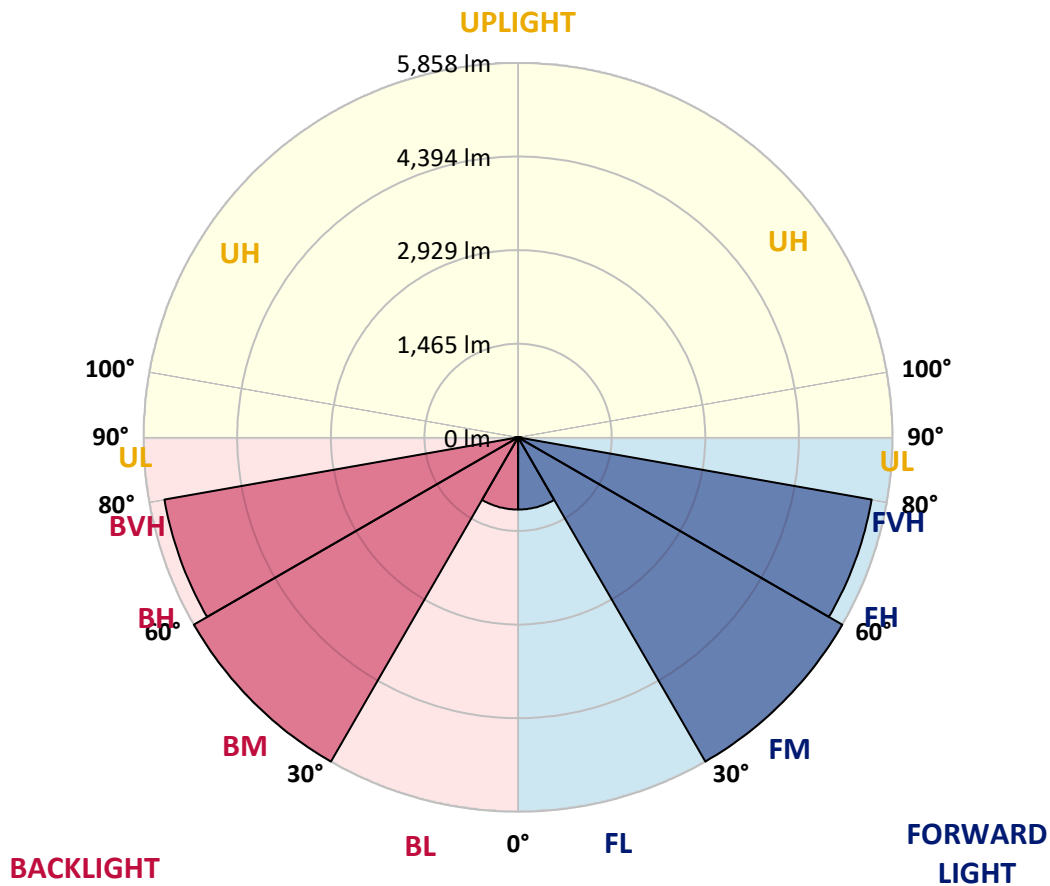
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1129.8	4.5			
FM (30°-60°)	5858.2	23.1			
FH (60°-80°)	5618.2	22.2			G3/7500
FVH (80°-90°)	54.2	0.2			G1/100
BL (0°-30°)	1129.8	4.5	B3/2500		
BM (30°-60°)	5858.2	23.1	B4/8500		
BH (60°-80°)	5618.2	22.2	B5		G3/7500
BVH (80°-90°)	54.2	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°	2651.9	2651.9	2651.9	2651.9	2651.9	2651.9	2651.9	2651.9	2651.9	2651.9	2651.9
2.5°	2634.4	2632.6	2641.4	2646.6	2644.9	2657.2	2655.4	2651.9	2651.9	2646.6	2660.7
5°	2634.4	2632.6	2639.6	2641.4	2637.9	2648.4	2644.9	2641.4	2641.4	2634.4	2646.6
7.5°	2620.4	2622.1	2627.4	2630.9	2627.4	2636.1	2630.9	2623.9	2622.1	2615.1	2627.4
10°	2594.1	2595.8	2601.1	2609.8	2611.6	2627.4	2618.6	2606.3	2601.1	2594.1	2606.3
12.5°	2578.3	2580.0	2585.3	2595.8	2599.3	2620.4	2611.6	2592.3	2583.6	2576.5	2588.8
15°	2574.8	2576.5	2583.6	2594.1	2599.3	2620.4	2611.6	2588.8	2576.5	2567.8	2578.3
17.5°	2574.8	2578.3	2588.8	2604.6	2615.1	2636.1	2625.6	2599.3	2581.8	2566.0	2576.5
20°	2576.5	2581.8	2597.6	2620.4	2646.6	2676.4	2662.4	2627.4	2602.8	2583.6	2590.6
22.5°	2592.3	2601.1	2620.4	2650.2	2688.7	2723.8	2711.5	2664.2	2629.1	2602.8	2609.8
25°	2646.6	2650.2	2674.7	2713.3	2750.1	2779.9	2767.6	2723.8	2680.0	2648.4	2657.2
27.5°	2743.1	2751.8	2772.8	2813.2	2844.7	2860.5	2858.7	2828.9	2785.1	2757.1	2764.1
30°	2858.7	2867.5	2895.5	2941.1	2972.7	2990.2	2984.9	2962.1	2921.8	2883.3	2890.3
32.5°	2993.7	2997.2	3030.5	3081.3	3114.6	3140.9	3123.4	3098.9	3048.0	3002.5	3006.0
35°	3165.5	3170.7	3205.8	3253.1	3279.4	3300.4	3296.9	3272.4	3218.0	3169.0	3181.2
37.5°	3381.1	3384.6	3416.1	3475.7	3496.7	3512.5	3516.0	3503.7	3447.7	3384.6	3396.8
40°	3649.2	3651.0	3686.0	3738.6	3761.4	3771.9	3773.7	3775.4	3717.6	3670.3	3666.7
42.5°	3961.2	3970.0	4019.1	4069.9	4080.4	4075.1	4092.7	4110.2	4054.1	3989.3	3994.5
45°	4334.5	4339.8	4406.4	4462.5	4443.2	4425.7	4459.0	4494.0	4443.2	4359.1	4334.5
47.5°	4776.2	4786.8	4858.6	4914.7	4883.2	4851.6	4905.9	4942.7	4860.4	4771.0	4748.2
50°	5275.8	5282.8	5384.4	5454.6	5417.7	5359.9	5428.3	5466.8	5356.4	5246.0	5196.9
52.5°	5866.4	5852.4	5987.4	6110.1	6087.3	6011.9	6068.0	6075.0	5910.3	5754.3	5705.2
55°	6586.8	6572.8	6707.8	6842.7	6898.8	6879.5	6853.2	6811.2	6567.5	6401.0	6355.5
57.5°	7426.4	7382.6	7571.9	7754.2	7876.8	7911.9	7799.7	7701.6	7508.8	7303.7	7251.1
60°	8206.4	8204.6	8504.3	8819.8	9156.4	9296.6	9012.6	8746.2	8313.3	7939.9	7864.6
62.5°	8425.5	8462.3	8953.0	9734.8	10565.6	11061.6	10313.2	9431.5	8595.5	8032.8	7932.9
65°	7885.6	7976.8	8674.3	9908.3	11548.9	12761.8	11072.1	9447.3	8281.7	7580.6	7475.5
67.5°	5812.1	5994.4	6918.1	8940.8	11464.7	13198.2	10937.1	8572.7	7193.3	6359.0	6213.5
70°	2867.5	3041.0	3773.7	5882.2	9433.3	11797.7	9463.1	6460.6	4858.6	4055.9	3922.6
72.5°	1055.2	1125.3	1412.7	2516.9	5205.7	8714.7	6471.1	3608.9	2353.9	1873.7	1784.3
75°	517.1	529.3	573.1	844.8	1921.0	4101.4	3041.0	1384.7	865.9	753.7	729.1
77.5°	329.5	334.8	355.8	403.1	617.0	1291.8	921.9	546.9	424.2	406.6	406.6
80°	184.0	189.3	217.3	250.6	289.2	443.4	331.3	327.8	278.7	243.6	238.4
82.5°	87.6	96.4	138.5	136.7	152.5	222.6	194.6	177.0	178.8	135.0	128.0
85°	40.3	40.3	54.3	64.9	68.4	75.4	89.4	101.7	99.9	68.4	73.6
87.5°	19.3	19.3	19.3	17.5	15.8	14.0	19.3	31.5	45.6	31.5	29.8
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)