

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: P636365

Luminaire Tested: GWS-SA3F-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636365
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-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25546.1 lumens
Efficiency: N/A
Efficacy: 139.4 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

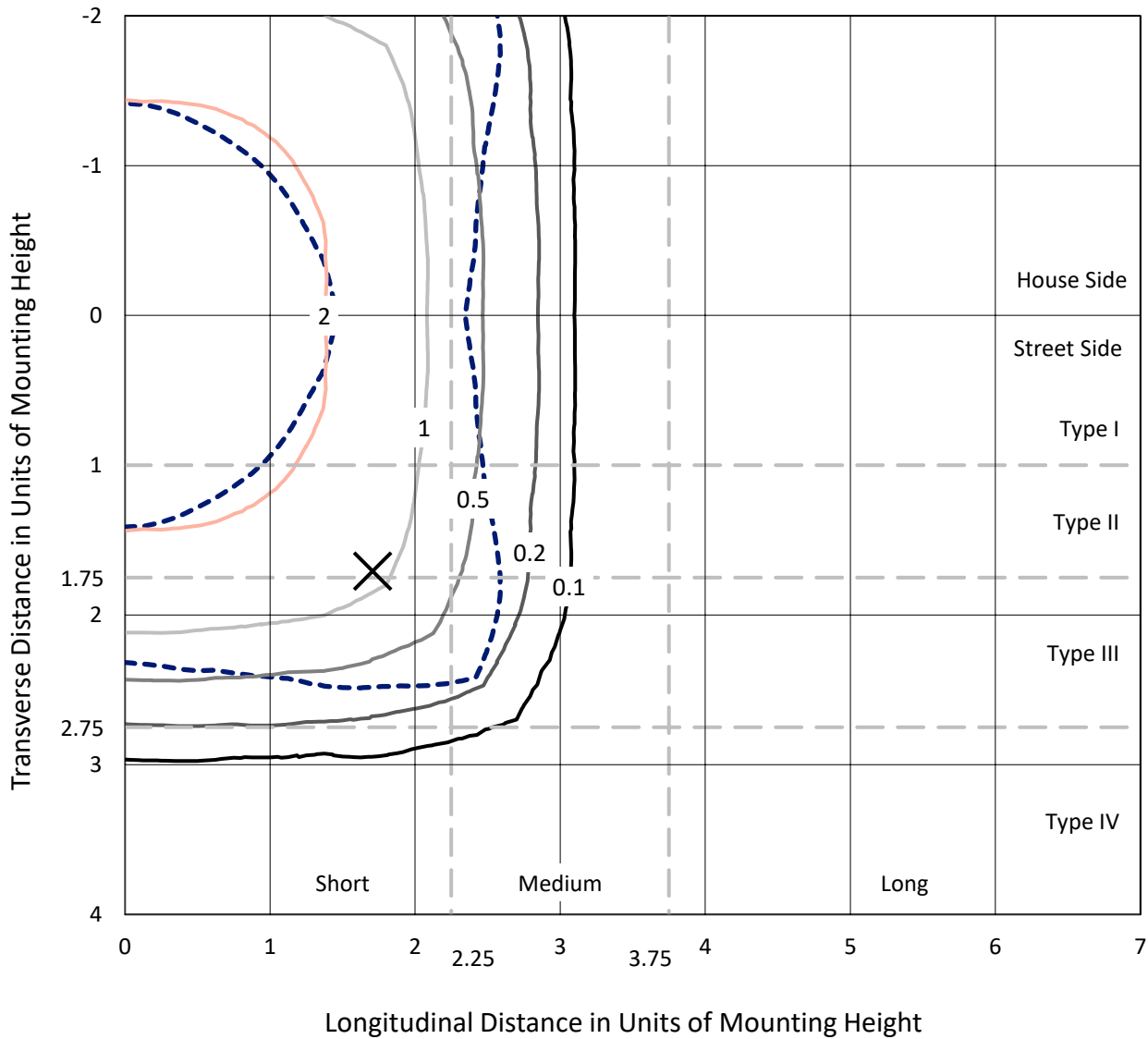
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

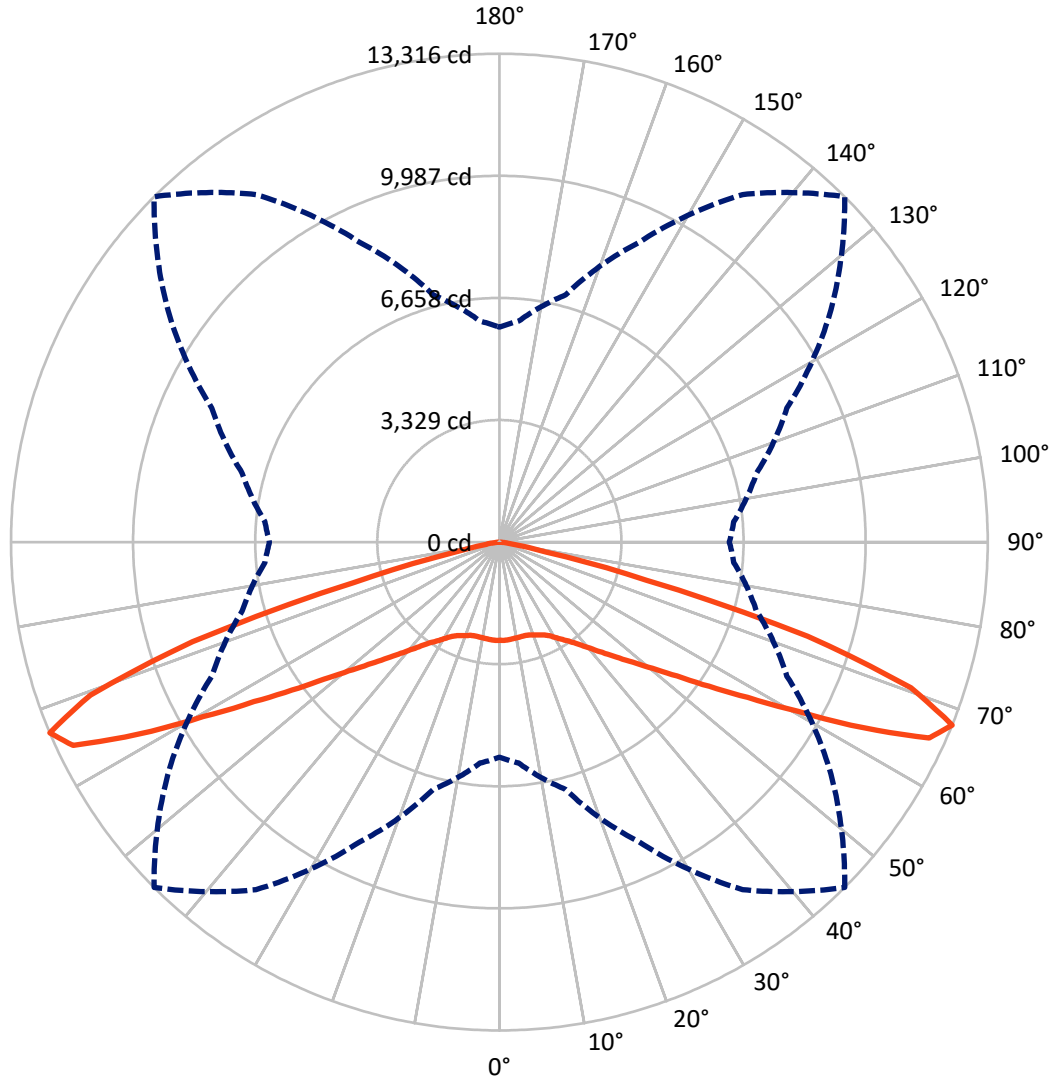
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	12773.1	0.0	12773.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12773.1	0.0	12773.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	25546.1	0.0	25546.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.2	1.0
10°-20°	743.8	2.9
20°-30°	1282.8	5.0
30°-40°	2085.8	8.2
40°-50°	3512.1	13.7
50°-60°	6222.8	24.4
60°-70°	8895.0	34.8
70°-80°	2441.3	9.6
80°-90°	109.4	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°	25546.1	100.0
0°-180°	25546.1	100.0

Coefficient of Utilization



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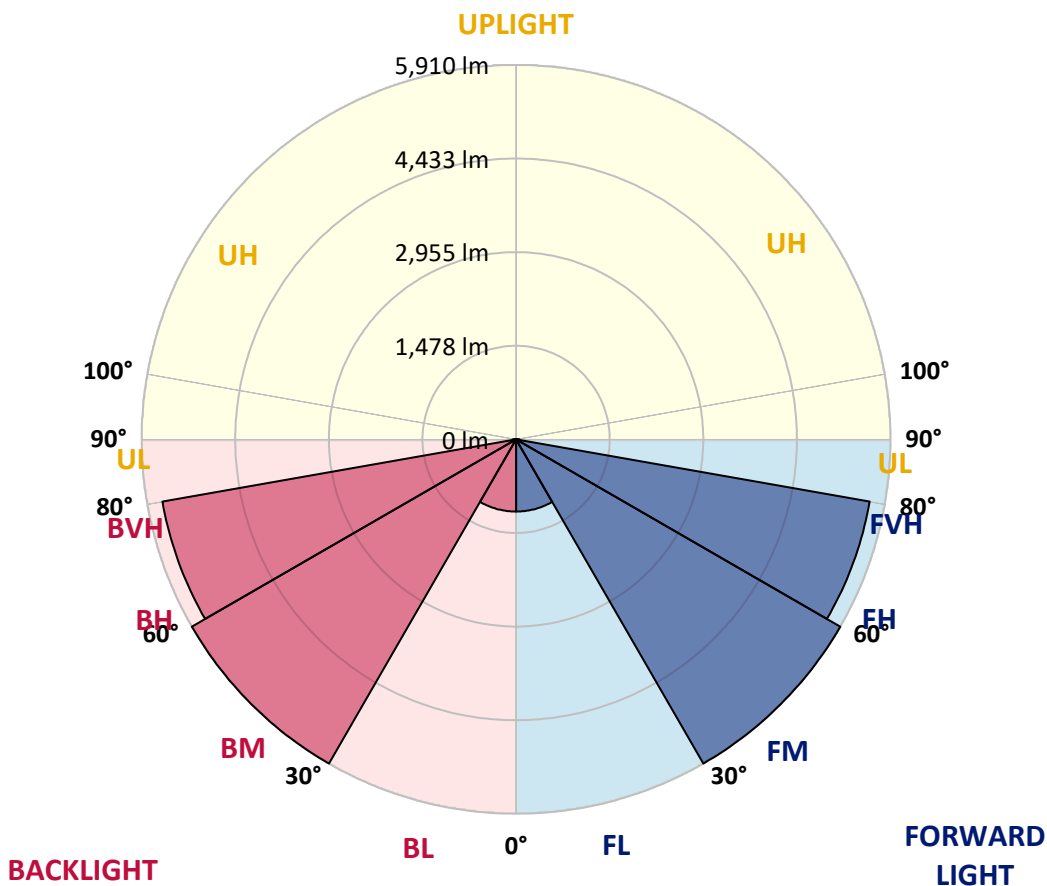
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1139.9	4.5			
FM (30°-60°)	5910.3	23.1			
FH (60°-80°)	5668.2	22.2			G3/7500
FVH (80°-90°)	54.7	0.2			G1/100
BL (0°-30°)	1139.9	4.5	B3/2500		
BM (30°-60°)	5910.3	23.1	B4/8500		
BH (60°-80°)	5668.2	22.2	B5		G3/7500
BVH (80°-90°)	54.7	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°	2675.5	2675.5	2675.5	2675.5	2675.5	2675.5	2675.5	2675.5	2675.5	2675.5	2675.5
2.5°	2657.8	2656.1	2664.9	2670.2	2668.4	2680.8	2679.0	2675.5	2675.5	2670.2	2684.3
5°	2657.8	2656.1	2663.1	2664.9	2661.4	2672.0	2668.4	2664.9	2664.9	2657.8	2670.2
7.5°	2643.7	2645.4	2650.7	2654.3	2650.7	2659.6	2654.3	2647.2	2645.4	2638.4	2650.7
10°	2617.1	2618.9	2624.2	2633.1	2634.8	2650.7	2641.9	2629.5	2624.2	2617.1	2629.5
12.5°	2601.2	2603.0	2608.3	2618.9	2622.5	2643.7	2634.8	2615.4	2606.5	2599.5	2611.8
15°	2597.7	2599.5	2606.5	2617.1	2622.5	2643.7	2634.8	2611.8	2599.5	2590.6	2601.2
17.5°	2597.7	2601.2	2611.8	2627.8	2638.4	2659.6	2649.0	2622.5	2604.8	2588.9	2599.5
20°	2599.5	2604.8	2620.7	2643.7	2670.2	2700.3	2686.1	2650.7	2626.0	2606.5	2613.6
22.5°	2615.4	2624.2	2643.7	2673.7	2712.6	2748.0	2735.6	2687.9	2652.5	2626.0	2633.1
25°	2670.2	2673.7	2698.5	2737.4	2774.5	2804.6	2792.2	2748.0	2703.8	2672.0	2680.8
27.5°	2767.5	2776.3	2797.5	2838.2	2870.0	2885.9	2884.2	2854.1	2809.9	2781.6	2788.7
30°	2884.2	2893.0	2921.3	2967.3	2999.1	3016.8	3011.5	2988.5	2947.8	2908.9	2916.0
32.5°	3020.3	3023.9	3057.5	3108.7	3142.3	3168.9	3151.2	3126.4	3075.1	3029.2	3032.7
35°	3193.6	3198.9	3234.3	3282.0	3308.6	3329.8	3326.3	3301.5	3246.7	3197.2	3209.5
37.5°	3411.1	3414.7	3446.5	3506.6	3527.8	3543.8	3547.3	3534.9	3478.3	3414.7	3427.0
40°	3681.7	3683.5	3718.8	3771.9	3794.9	3805.5	3807.2	3809.0	3750.7	3702.9	3699.4
42.5°	3996.5	4005.3	4054.8	4106.1	4116.7	4111.4	4129.1	4146.8	4090.2	4024.8	4030.1
45°	4373.1	4378.4	4445.6	4502.2	4482.8	4465.1	4498.7	4534.0	4482.8	4397.9	4373.1
47.5°	4818.7	4829.3	4901.8	4958.4	4926.6	4894.8	4949.6	4986.7	4903.6	4813.4	4790.4
50°	5322.7	5329.8	5432.4	5503.1	5466.0	5407.6	5476.6	5515.5	5404.1	5292.7	5243.1
52.5°	5918.6	5904.5	6040.7	6164.4	6141.5	6065.4	6122.0	6129.1	5962.9	5805.5	5756.0
55°	6645.4	6631.3	6767.5	6903.6	6960.2	6940.7	6914.2	6871.8	6626.0	6458.0	6412.0
57.5°	7492.5	7448.3	7639.2	7823.2	7946.9	7982.3	7869.1	7770.1	7575.6	7368.7	7315.6
60°	8279.4	8277.6	8580.0	8898.3	9237.8	9379.3	9092.8	8824.0	8387.3	8010.6	7934.6
62.5°	8500.4	8537.6	9032.7	9821.4	10659.6	11160.0	10404.9	9515.5	8672.0	8104.3	8003.5
65°	7955.8	8047.7	8751.5	9996.4	11651.6	12875.3	11170.6	9531.4	8355.4	7648.1	7542.0
67.5°	5863.8	6047.7	6979.7	9020.3	11566.7	13315.6	11034.5	8649.0	7257.3	6415.6	6268.8
70°	2893.0	3068.1	3807.2	5934.6	9517.2	11902.7	9547.3	6518.1	4901.8	4091.9	3957.6
72.5°	1064.5	1135.3	1425.3	2539.3	5252.0	8792.2	6528.7	3641.0	2374.9	1890.4	1800.2
75°	521.7	534.0	578.2	852.3	1938.1	4137.9	3068.1	1397.0	873.6	760.4	735.6
77.5°	332.4	337.8	359.0	406.7	622.5	1303.3	930.1	551.7	427.9	410.3	410.3
80°	185.7	191.0	219.3	252.9	291.8	447.4	334.2	330.7	281.2	245.8	240.5
82.5°	88.4	97.3	139.7	137.9	153.8	224.6	196.3	178.6	180.4	136.2	129.1
85°	40.7	40.7	54.8	65.4	69.0	76.0	90.2	102.6	100.8	69.0	74.3
87.5°	19.5	19.5	19.5	17.7	15.9	14.1	19.5	31.8	46.0	31.8	30.1
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)