

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: P639830

Luminaire Tested: GWS-SA5C-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639830
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-SA5C-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24879.4 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

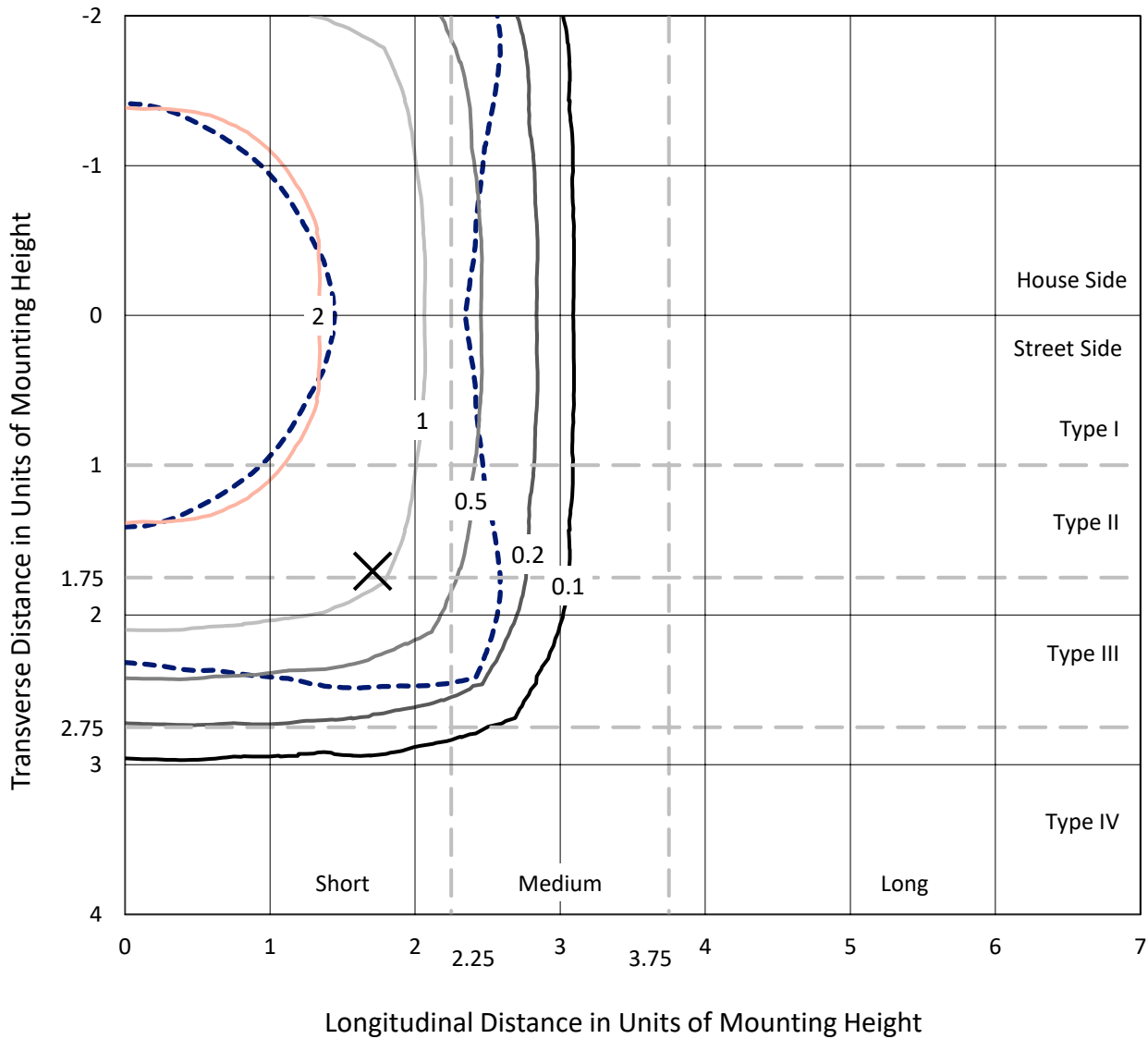
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

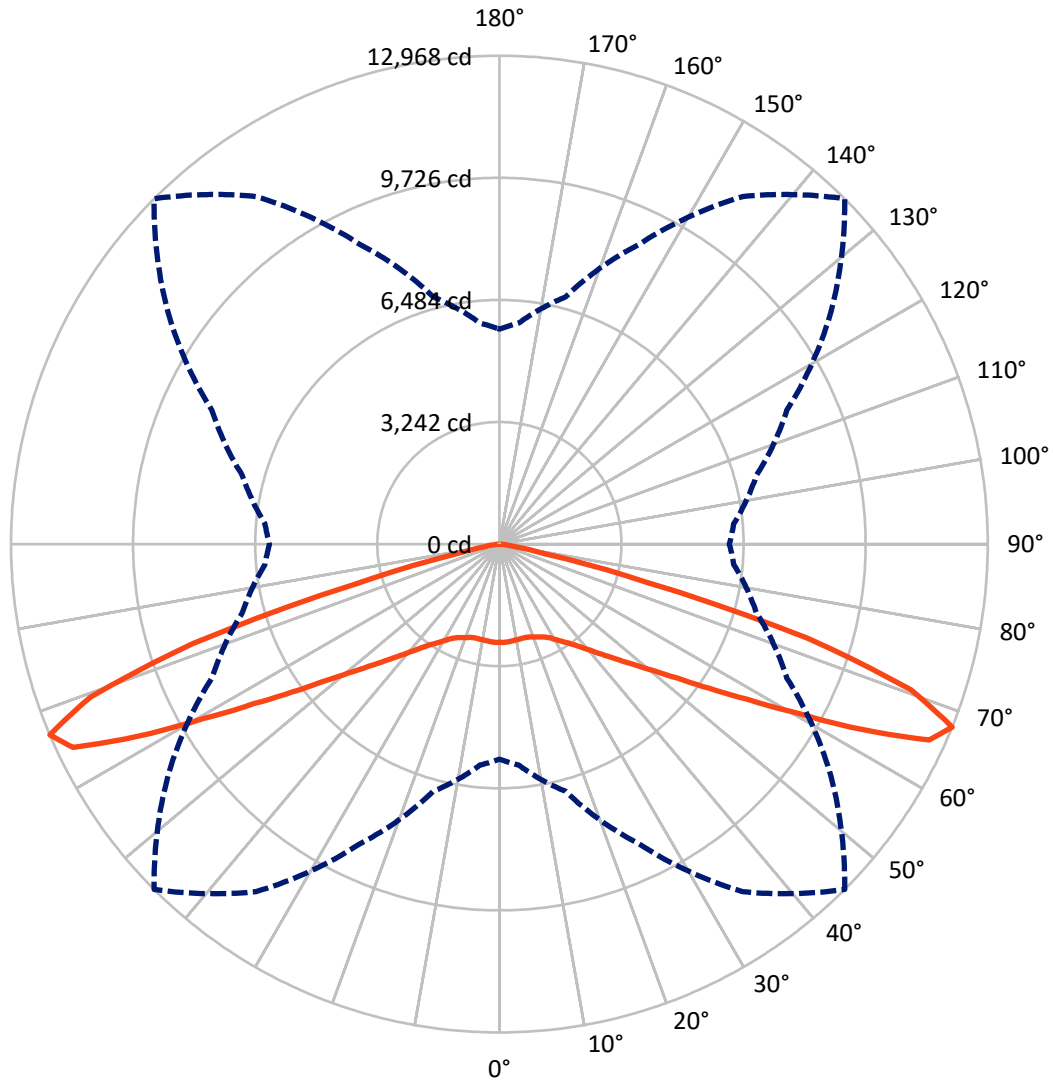
✕ Max cd
 - - - 1/2 Max cd



Based on 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	12439.7	0.0	12439.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12439.7	0.0	12439.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	24879.4	0.0	24879.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.6	1.0
10°-20°	724.3	2.9
20°-30°	1249.3	5.0
30°-40°	2031.4	8.2
40°-50°	3420.4	13.7
50°-60°	6060.4	24.4
60°-70°	8662.9	34.8
70°-80°	2377.6	9.6
80°-90°	106.5	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°	24879.4	100.0
0°-180°	24879.4	100.0

Coefficient of Utilization



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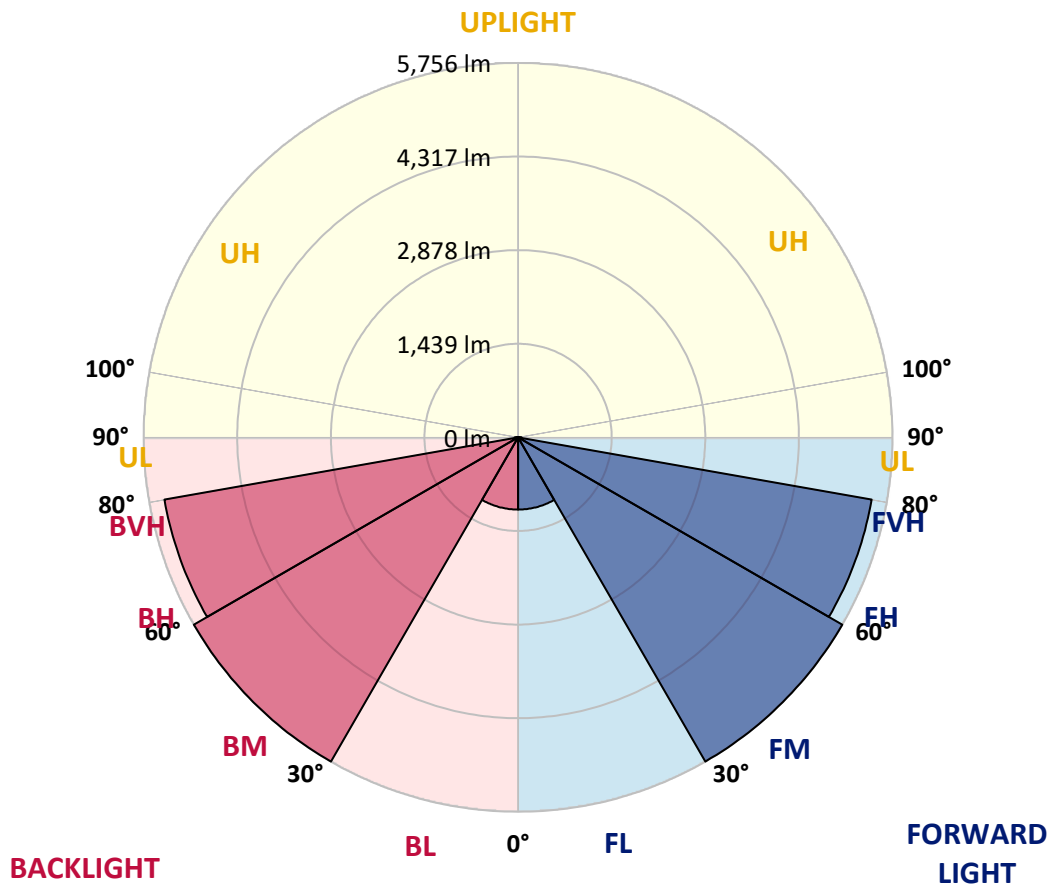
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1110.1	4.5			
FM (30°-60°)	5756.1	23.1			
FH (60°-80°)	5520.2	22.2			G3/7500
FVH (80°-90°)	53.3	0.2			G1/100
BL (0°-30°)	1110.1	4.5	B3/2500		
BM (30°-60°)	5756.1	23.1	B4/8500		
BH (60°-80°)	5520.2	22.2	B5		G3/7500
BVH (80°-90°)	53.3	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°	2605.7	2605.7	2605.7	2605.7	2605.7	2605.7	2605.7	2605.7	2605.7	2605.7	2605.7
2.5°	2588.5	2586.7	2595.3	2600.5	2598.8	2610.8	2609.1	2605.7	2605.7	2600.5	2614.3
5°	2588.5	2586.7	2593.6	2595.3	2591.9	2602.2	2598.8	2595.3	2595.3	2588.5	2600.5
7.5°	2574.7	2576.4	2581.6	2585.0	2581.6	2590.2	2585.0	2578.1	2576.4	2569.5	2581.6
10°	2548.8	2550.6	2555.7	2564.3	2566.1	2581.6	2573.0	2560.9	2555.7	2548.8	2560.9
12.5°	2533.3	2535.1	2540.2	2550.6	2554.0	2574.7	2566.1	2547.1	2538.5	2531.6	2543.7
15°	2529.9	2531.6	2538.5	2548.8	2554.0	2574.7	2566.1	2543.7	2531.6	2523.0	2533.3
17.5°	2529.9	2533.3	2543.7	2559.2	2569.5	2590.2	2579.8	2554.0	2536.8	2521.3	2531.6
20°	2531.6	2536.8	2552.3	2574.7	2600.5	2629.8	2616.0	2581.6	2557.5	2538.5	2545.4
22.5°	2547.1	2555.7	2574.7	2604.0	2641.8	2676.3	2664.2	2617.7	2583.3	2557.5	2564.3
25°	2600.5	2604.0	2628.1	2666.0	2702.1	2731.4	2719.3	2676.3	2633.2	2602.2	2610.8
27.5°	2695.2	2703.8	2724.5	2764.1	2795.1	2810.6	2808.9	2779.6	2736.6	2709.0	2715.9
30°	2808.9	2817.5	2845.1	2889.8	2920.8	2938.1	2932.9	2910.5	2870.9	2833.0	2839.9
32.5°	2941.5	2945.0	2977.7	3027.6	3060.3	3086.2	3068.9	3044.8	2994.9	2950.1	2953.6
35°	3110.3	3115.4	3149.9	3196.4	3222.2	3242.9	3239.4	3215.3	3161.9	3113.7	3125.8
37.5°	3322.1	3325.6	3356.6	3415.1	3435.8	3451.3	3454.7	3442.7	3387.6	3325.6	3337.6
40°	3585.6	3587.3	3621.8	3673.4	3695.8	3706.2	3707.9	3709.6	3652.8	3606.3	3602.8
42.5°	3892.2	3900.8	3949.0	3998.9	4009.3	4004.1	4021.3	4038.5	3983.4	3919.7	3924.9
45°	4259.0	4264.2	4329.6	4384.7	4365.8	4348.5	4381.3	4415.7	4365.8	4283.1	4259.0
47.5°	4693.0	4703.3	4773.9	4829.0	4798.0	4767.0	4820.4	4856.6	4775.6	4687.8	4665.4
50°	5183.8	5190.7	5290.6	5359.5	5323.3	5266.5	5333.6	5371.5	5263.0	5154.5	5106.3
52.5°	5764.2	5750.4	5883.0	6003.6	5981.2	5907.1	5962.2	5969.1	5807.2	5654.0	5605.7
55°	6472.0	6458.2	6590.8	6723.4	6778.6	6759.6	6733.8	6692.4	6453.1	6289.5	6244.7
57.5°	7296.9	7253.9	7439.9	7619.0	7739.5	7774.0	7663.8	7567.3	7377.9	7176.4	7124.7
60°	8063.3	8061.6	8356.1	8666.1	8996.7	9134.5	8855.5	8593.7	8168.4	7801.5	7727.5
62.5°	8278.6	8314.8	8797.0	9565.1	10381.4	10868.8	10133.4	9267.1	8445.6	7892.8	7794.6
65°	7748.1	7837.7	8523.1	9735.6	11347.5	12539.3	10879.1	9282.6	8137.4	7448.5	7345.2
67.5°	5710.8	5889.9	6797.5	8784.9	11264.9	12968.1	10746.5	8423.2	7067.9	6248.1	6105.2
70°	2817.5	2988.0	3707.9	5779.7	9268.8	11592.1	9298.1	6348.0	4773.9	3985.2	3854.3
72.5°	1036.8	1105.6	1388.1	2473.1	5114.9	8562.7	6358.3	3546.0	2312.9	1841.0	1753.2
75°	508.0	520.1	563.2	830.1	1887.5	4029.9	2988.0	1360.5	850.8	740.5	716.4
77.5°	323.8	328.9	349.6	396.1	606.2	1269.3	905.9	537.3	416.8	399.5	399.5
80°	180.8	186.0	213.6	246.3	284.2	435.7	325.5	322.1	273.8	239.4	234.2
82.5°	86.1	94.7	136.1	134.3	149.8	218.7	191.2	173.9	175.7	132.6	125.7
85°	39.6	39.6	53.4	63.7	67.2	74.1	87.8	99.9	98.2	67.2	72.3
87.5°	18.9	18.9	18.9	17.2	15.5	13.8	18.9	31.0	44.8	31.0	29.3
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)