

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: P641755

Luminaire Tested: GWS-SA6B-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641755
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-SA6B-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22428.6 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

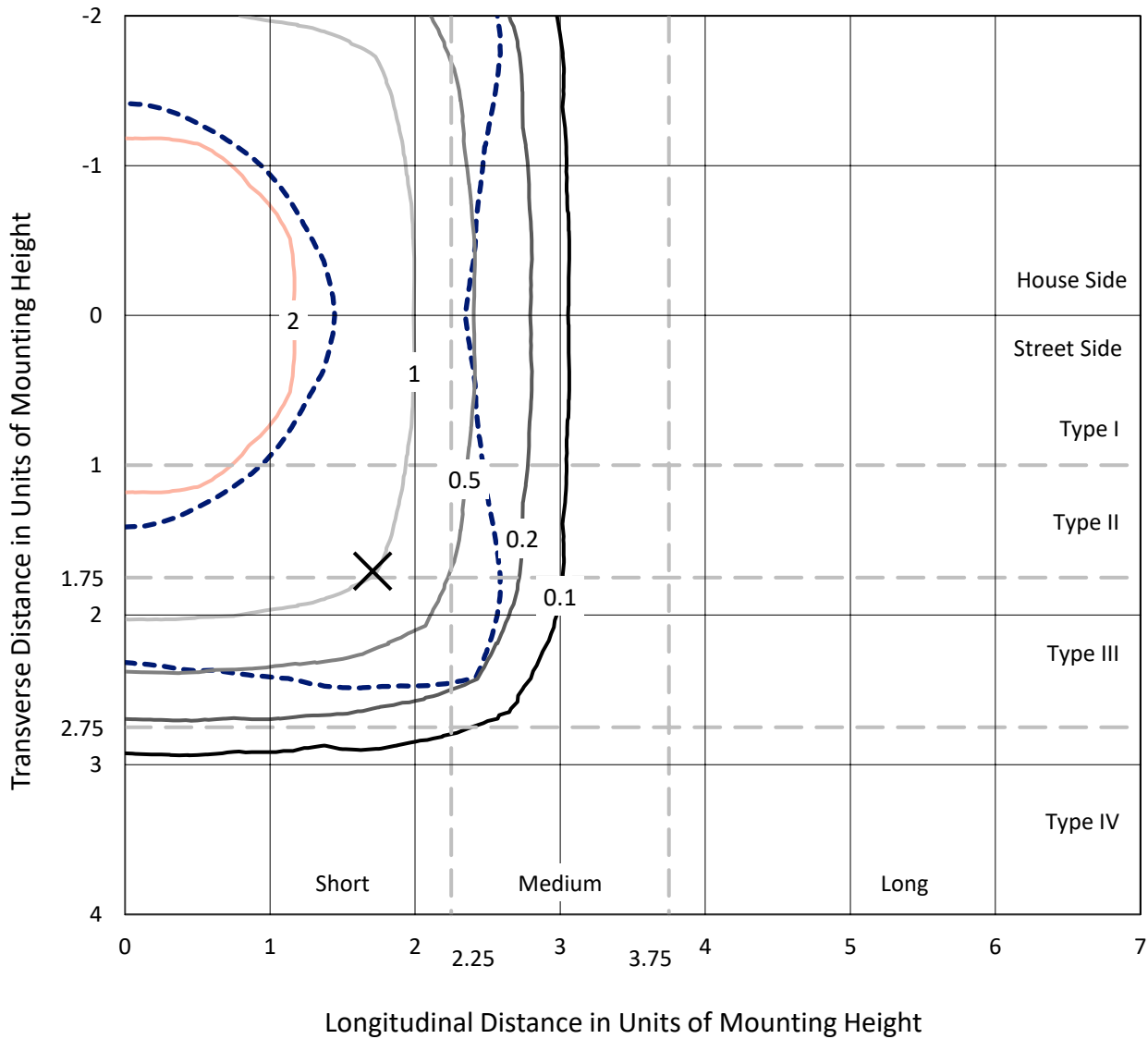
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

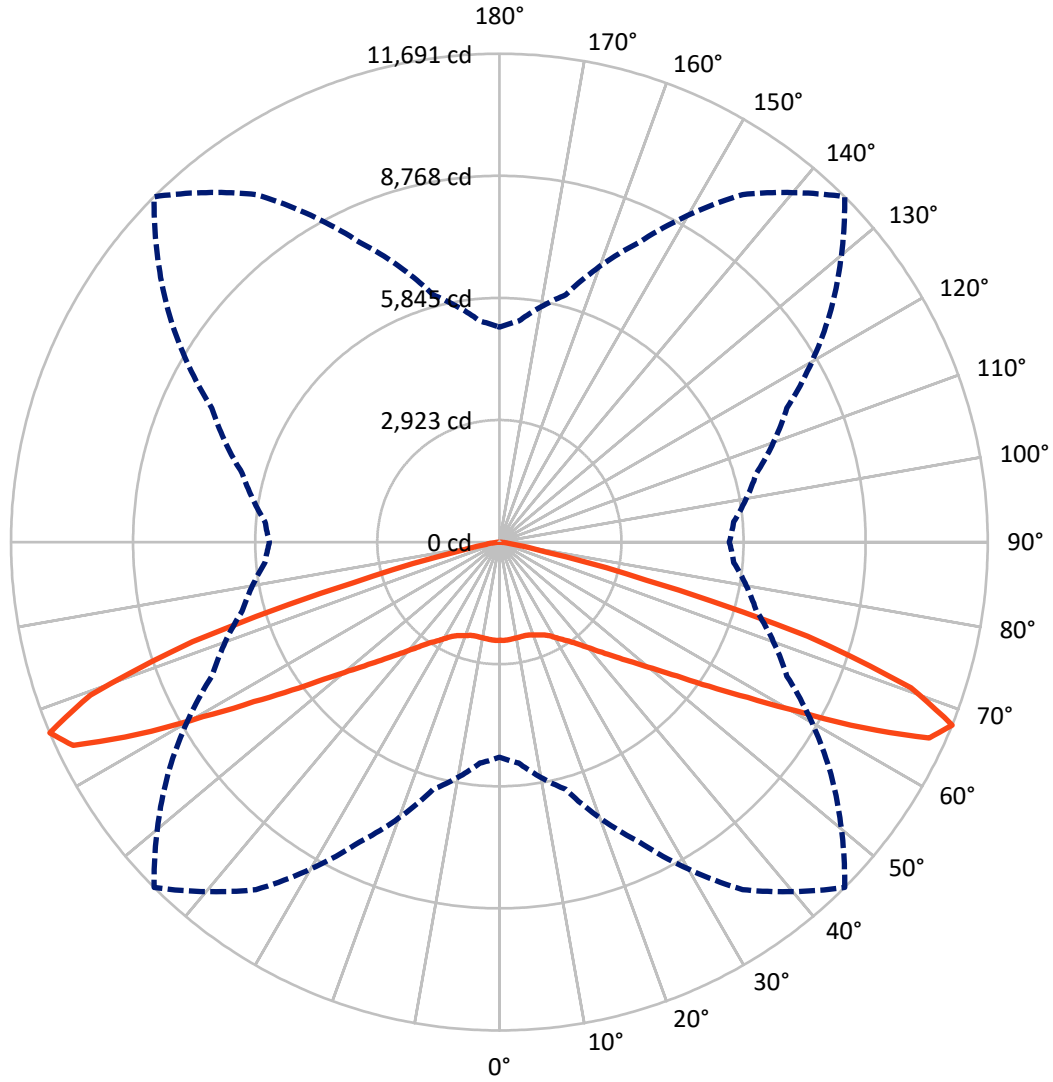
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	11214.3	0.0	11214.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11214.3	0.0	11214.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	22428.6	0.0	22428.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	1.0
10°-20°	653.0	2.9
20°-30°	1126.2	5.0
30°-40°	1831.3	8.2
40°-50°	3083.5	13.7
50°-60°	5463.4	24.4
60°-70°	7809.5	34.8
70°-80°	2143.4	9.6
80°-90°	96.0	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°	22428.6	100.0
0°-180°	22428.6	100.0

Coefficient of Utilization



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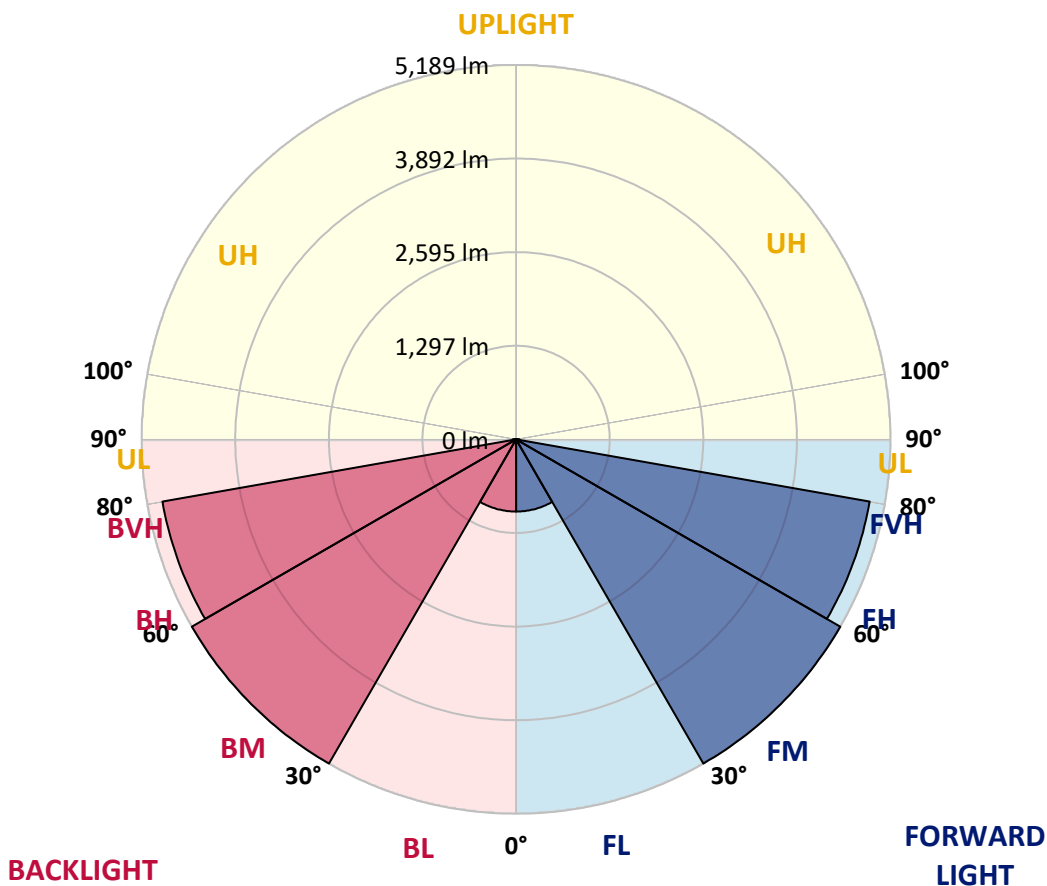
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1000.8	4.5			
FM (30°-60°)	5189.1	23.1			
FH (60°-80°)	4976.4	22.2			G2/5000
FVH (80°-90°)	48.0	0.2			G1/100
BL (0°-30°)	1000.8	4.5	B3/2500		
BM (30°-60°)	5189.1	23.1	B4/8500		
BH (60°-80°)	4976.4	22.2	B4/5000		G2/5000
BVH (80°-90°)	48.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0	2349.0
2.5°	2333.5	2331.9	2339.7	2344.3	2342.8	2353.7	2352.1	2349.0	2349.0	2344.3	2356.8
5°	2333.5	2331.9	2338.1	2339.7	2336.6	2345.9	2342.8	2339.7	2339.7	2333.5	2344.3
7.5°	2321.1	2322.6	2327.3	2330.4	2327.3	2335.0	2330.4	2324.2	2322.6	2316.4	2327.3
10°	2297.8	2299.3	2304.0	2311.7	2313.3	2327.3	2319.5	2308.6	2304.0	2297.8	2308.6
12.5°	2283.8	2285.3	2290.0	2299.3	2302.4	2321.1	2313.3	2296.2	2288.5	2282.2	2293.1
15°	2280.7	2282.2	2288.5	2297.8	2302.4	2321.1	2313.3	2293.1	2282.2	2274.5	2283.8
17.5°	2280.7	2283.8	2293.1	2307.1	2316.4	2335.0	2325.7	2302.4	2286.9	2272.9	2282.2
20°	2282.2	2286.9	2300.9	2321.1	2344.3	2370.7	2358.3	2327.3	2305.5	2288.5	2294.7
22.5°	2296.2	2304.0	2321.1	2347.4	2381.6	2412.7	2401.8	2359.9	2328.8	2305.5	2311.7
25°	2344.3	2347.4	2369.2	2403.3	2435.9	2462.3	2451.5	2412.7	2373.8	2345.9	2353.7
27.5°	2429.7	2437.5	2456.1	2491.8	2519.8	2533.8	2532.2	2505.8	2467.0	2442.2	2448.4
30°	2532.2	2540.0	2564.8	2605.2	2633.1	2648.6	2644.0	2623.8	2588.1	2553.9	2560.1
32.5°	2651.7	2654.9	2684.4	2729.4	2758.9	2782.2	2766.6	2744.9	2699.9	2659.5	2662.6
35°	2803.9	2808.6	2839.6	2881.5	2904.8	2923.4	2920.3	2898.6	2850.5	2807.0	2817.9
37.5°	2994.9	2998.0	3025.9	3078.7	3097.3	3111.3	3114.4	3103.5	3053.9	2998.0	3008.8
40°	3232.4	3234.0	3265.0	3311.6	3331.8	3341.1	3342.6	3344.2	3292.9	3251.0	3247.9
42.5°	3508.8	3516.5	3560.0	3605.0	3614.3	3609.7	3625.2	3640.7	3591.0	3533.6	3538.3
45°	3839.4	3844.1	3903.1	3952.8	3935.7	3920.2	3949.7	3980.7	3935.7	3861.2	3839.4
47.5°	4230.7	4240.0	4303.7	4353.3	4325.4	4297.4	4345.6	4378.2	4305.2	4226.0	4205.8
50°	4673.2	4679.4	4769.4	4831.5	4798.9	4747.7	4808.2	4842.4	4744.6	4646.8	4603.3
52.5°	5196.4	5183.9	5303.5	5412.2	5392.0	5325.2	5374.9	5381.1	5235.2	5097.0	5053.5
55°	5834.5	5822.0	5941.6	6061.1	6110.8	6093.7	6070.5	6033.2	5817.4	5669.9	5629.5
57.5°	6578.1	6539.3	6707.0	6868.5	6977.1	7008.2	6908.8	6821.9	6651.1	6469.5	6422.9
60°	7269.0	7267.5	7532.9	7812.4	8110.5	8234.7	7983.2	7747.2	7363.7	7033.0	6966.3
62.5°	7463.1	7495.7	7930.4	8622.8	9358.7	9798.1	9135.2	8354.2	7613.7	7115.3	7026.8
65°	6984.9	7065.6	7683.5	8776.5	10229.7	11304.1	9807.4	8368.2	7335.8	6714.8	6621.6
67.5°	5148.2	5309.7	6127.9	7919.5	10155.2	11690.7	9687.9	7593.5	6371.6	5632.6	5503.8
70°	2540.0	2693.7	3342.6	5210.3	8355.8	10450.2	8382.2	5722.7	4303.7	3592.6	3474.6
72.5°	934.6	996.7	1251.4	2229.5	4611.1	7719.3	5732.0	3196.7	2085.1	1659.7	1580.5
75°	458.0	468.9	507.7	748.3	1701.6	3633.0	2693.7	1226.5	767.0	667.6	645.9
77.5°	291.9	296.5	315.2	357.1	546.5	1144.2	816.6	484.4	375.7	360.2	360.2
80°	163.0	167.7	192.5	222.0	256.2	392.8	293.4	290.3	246.9	215.8	211.1
82.5°	77.6	85.4	122.7	121.1	135.1	197.2	172.3	156.8	158.4	119.5	113.3
85°	35.7	35.7	48.1	57.4	60.5	66.8	79.2	90.0	88.5	60.5	65.2
87.5°	17.1	17.1	17.1	15.5	14.0	12.4	17.1	27.9	40.4	27.9	26.4
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)