

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: P641758

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22636.6 lumens
Efficiency: N/A
Efficacy: 163.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

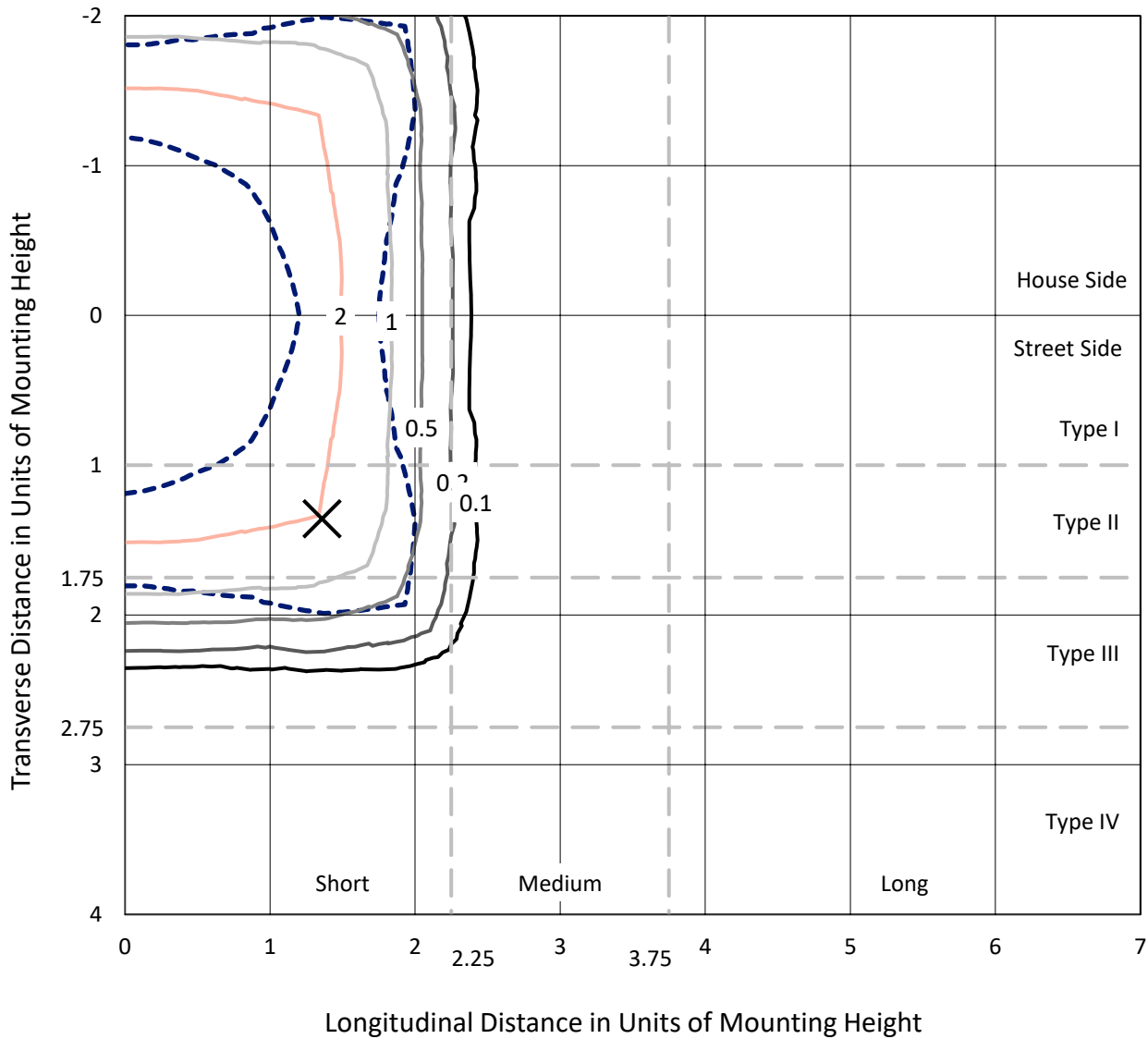
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

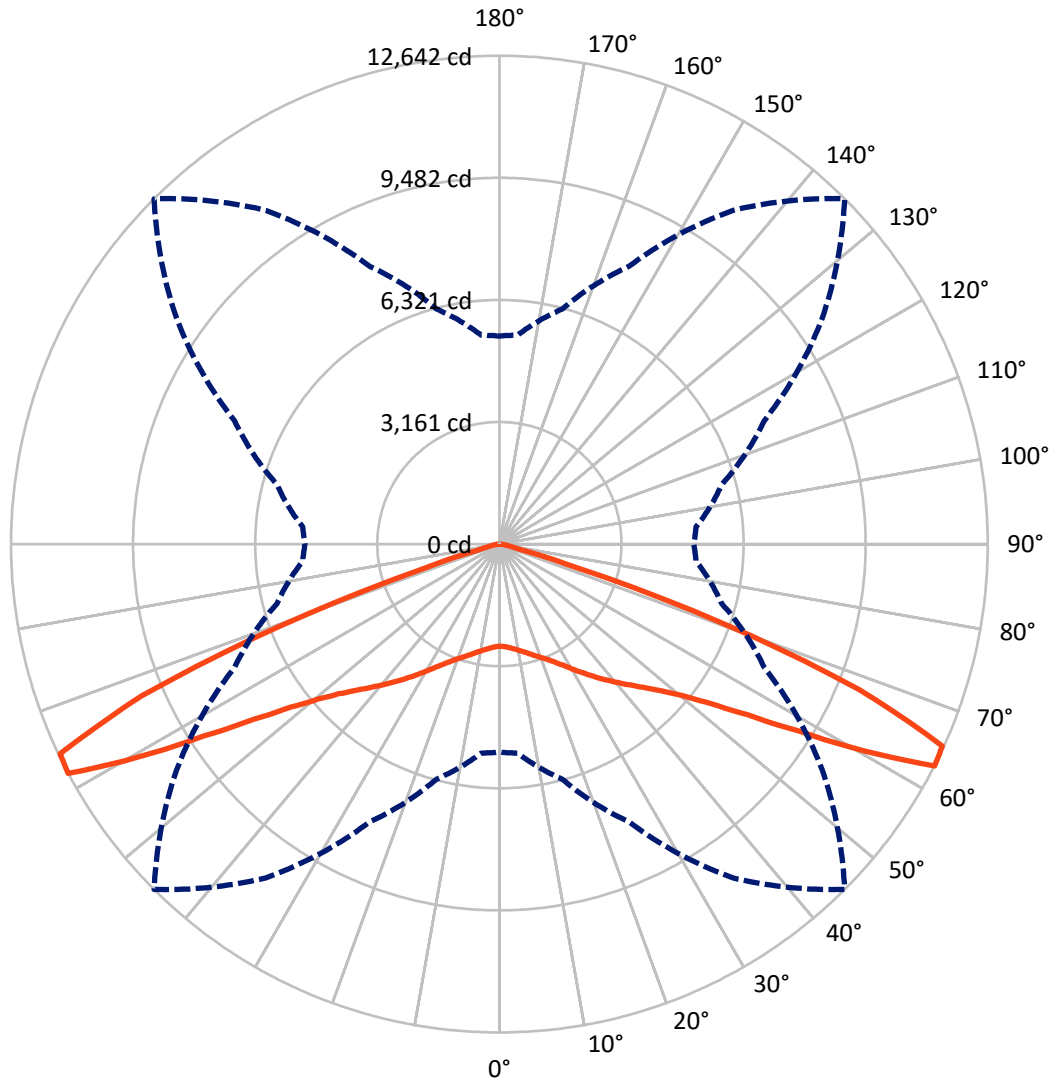
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11318.3	0.0	11318.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11318.3	0.0	11318.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	22636.6	0.0	22636.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.1	1.1
10°-20°	835.6	3.7
20°-30°	1580.8	7.0
30°-40°	2660.7	11.8
40°-50°	4251.0	18.8
50°-60°	6852.5	30.3
60°-70°	5590.8	24.7
70°-80°	542.9	2.4
80°-90°	63.2	0.3
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°	22636.6	100.0
0°-180°	22636.6	100.0

Coefficient of Utilization



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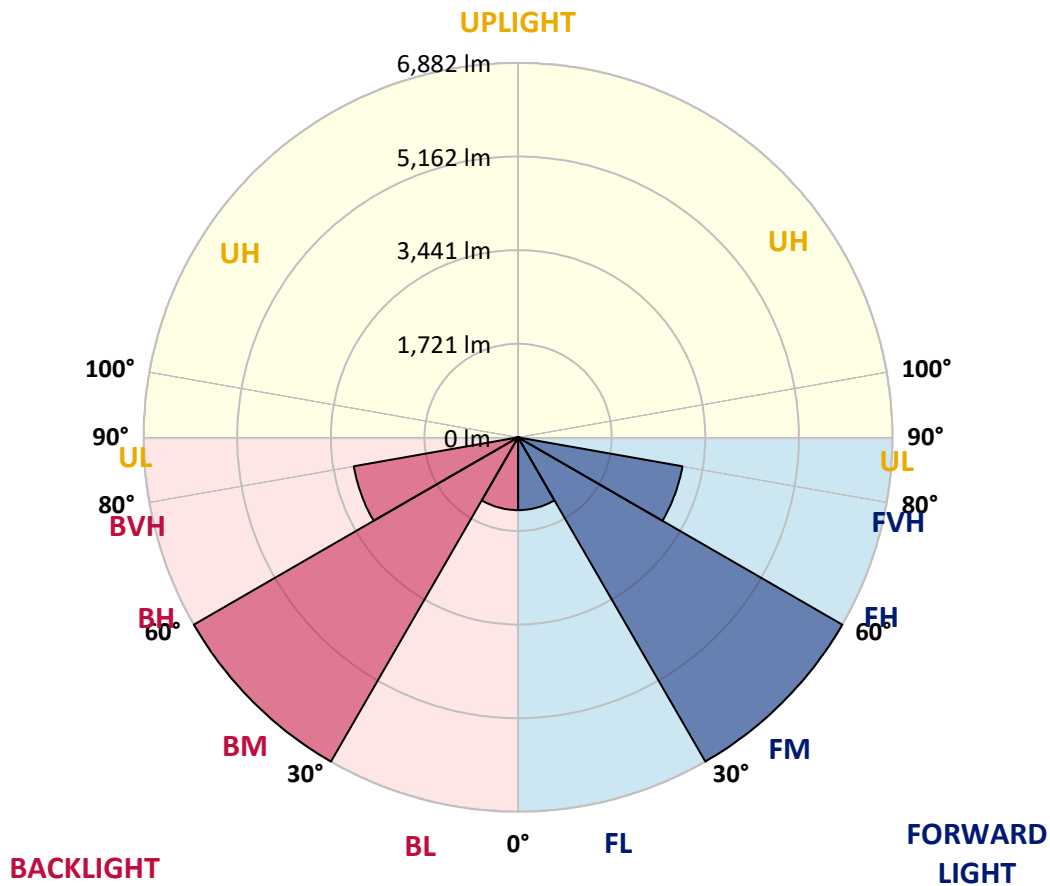
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1337.7	5.9			
FM (30°-60°)	6882.1	30.4			
FH (60°-80°)	3066.9	13.5			G2/5000
FVH (80°-90°)	31.6	0.1			G1/100
BL (0°-30°)	1337.7	5.9	B3/2500		
BM (30°-60°)	6882.1	30.4	B4/8500		
BH (60°-80°)	3066.9	13.5	B4/5000		G2/5000
BVH (80°-90°)	31.6	0.1			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°	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9	2640.9
2.5°	2637.8	2637.8	2644.0	2648.6	2645.5	2657.9	2656.4	2653.3	2651.7	2647.1	2661.0
5°	2673.5	2673.5	2678.1	2682.8	2675.0	2690.5	2684.3	2681.2	2679.7	2673.5	2685.9
7.5°	2713.8	2718.5	2720.0	2727.8	2723.1	2740.2	2735.6	2729.4	2726.3	2718.5	2729.4
10°	2758.9	2762.0	2763.5	2777.5	2779.0	2799.2	2794.6	2786.8	2780.6	2772.8	2788.4
12.5°	2819.4	2821.0	2825.6	2842.7	2847.4	2862.9	2861.3	2850.5	2842.7	2831.8	2848.9
15°	2897.0	2898.6	2906.3	2923.4	2931.2	2949.8	2943.6	2926.5	2915.7	2903.2	2917.2
17.5°	2977.8	2984.0	2991.7	3008.8	3019.7	3041.4	3033.7	3015.0	3005.7	2993.3	3002.6
20°	3081.8	3083.3	3088.0	3106.6	3114.4	3139.2	3140.8	3122.2	3117.5	3105.1	3119.0
22.5°	3196.7	3198.2	3202.9	3223.1	3237.0	3252.6	3261.9	3251.0	3243.2	3227.7	3244.8
25°	3324.0	3339.5	3344.2	3369.0	3384.5	3393.8	3404.7	3400.1	3389.2	3370.6	3378.3
27.5°	3502.5	3505.6	3513.4	3541.3	3550.7	3560.0	3570.8	3572.4	3556.9	3535.1	3546.0
30°	3705.9	3704.4	3721.4	3743.2	3750.9	3758.7	3774.2	3783.5	3763.3	3740.1	3750.9
32.5°	3913.9	3932.6	3954.3	3974.5	3969.8	3972.9	3997.8	4014.9	3986.9	3945.0	3954.3
35°	4148.4	4160.8	4188.7	4218.2	4212.0	4207.4	4222.9	4240.0	4201.2	4146.8	4160.8
37.5°	4389.0	4407.7	4449.6	4485.3	4476.0	4454.2	4471.3	4489.9	4452.7	4390.6	4384.4
40°	4657.6	4687.1	4747.7	4777.2	4752.3	4710.4	4739.9	4784.9	4747.7	4676.2	4659.2
42.5°	4972.8	5008.5	5069.0	5114.1	5059.7	4991.4	5041.1	5106.3	5097.0	5002.3	4972.8
45°	5362.5	5385.7	5460.3	5482.0	5401.3	5306.6	5396.6	5496.0	5472.7	5370.2	5331.4
47.5°	5786.3	5822.0	5887.2	5927.6	5797.2	5679.2	5804.9	5938.5	5913.6	5817.4	5772.3
50°	6326.6	6373.2	6458.6	6492.7	6312.6	6177.5	6339.0	6508.2	6460.1	6331.2	6272.2
52.5°	6915.0	6952.3	7098.2	7166.5	6997.3	6851.3	6992.6	7158.7	7056.3	6885.5	6806.3
55°	7433.5	7470.8	7685.1	7911.7	7904.0	7803.0	7874.5	7877.6	7599.7	7317.1	7233.3
57.5°	7545.3	7582.6	7990.9	8584.0	9003.2	9119.6	8910.0	8469.1	7768.9	7273.6	7178.9
60°	6949.2	6991.1	7640.0	8723.7	10102.4	10880.2	9914.5	8456.7	7245.7	6575.0	6484.9
62.5°	5384.2	5429.2	6301.7	7928.8	10546.4	12642.3	10206.4	7567.1	5960.2	5111.0	5031.8
65°	2571.0	2571.0	3679.5	5686.9	9661.4	12600.4	9361.8	5598.4	3587.9	2755.8	2687.4
67.5°	636.5	639.6	947.0	2213.9	6571.9	10055.8	6679.0	2687.4	1263.8	894.3	871.0
70°	397.4	395.9	439.4	599.3	2299.3	6103.0	2730.9	810.4	513.9	453.3	450.2
72.5°	309.0	309.0	330.7	383.5	602.4	2078.8	796.5	450.2	372.6	335.3	335.3
75°	243.7	243.7	259.3	287.2	355.5	535.6	423.8	333.8	288.8	263.9	260.8
77.5°	181.6	184.8	197.2	215.8	242.2	301.2	268.6	251.5	225.1	206.5	200.3
80°	118.0	122.7	138.2	149.0	158.4	198.7	175.4	183.2	170.8	149.0	145.9
82.5°	63.7	65.2	83.8	86.9	90.0	108.7	111.8	116.4	121.1	94.7	88.5
85°	23.3	23.3	27.9	32.6	35.7	38.8	52.8	65.2	68.3	54.3	52.8
87.5°	4.7	4.7	4.7	3.1	3.1	3.1	9.3	17.1	27.9	21.7	21.7
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)