

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: P641813

Luminaire Tested: GWS-SA6B-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641813
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-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22326.4 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

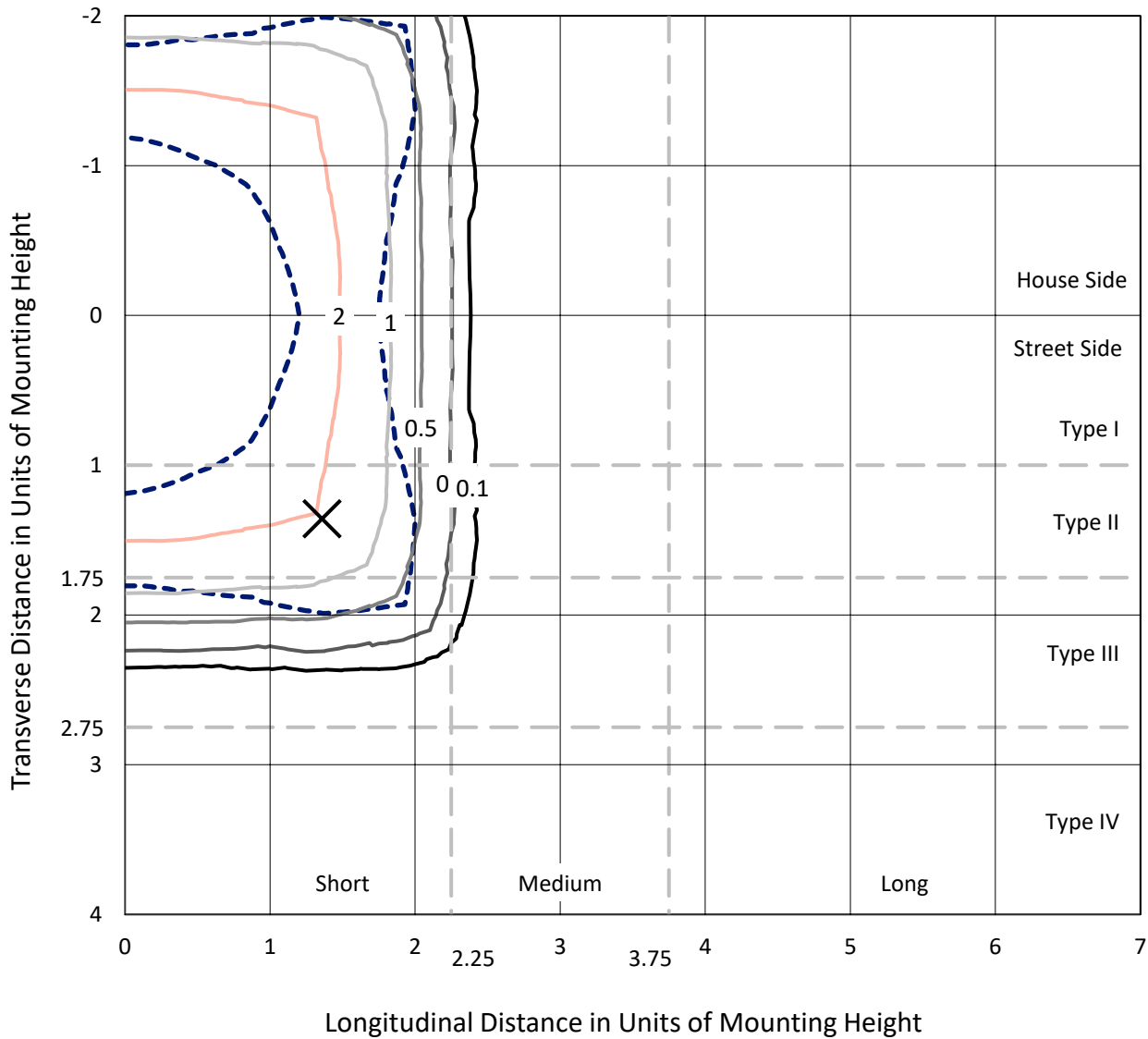
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

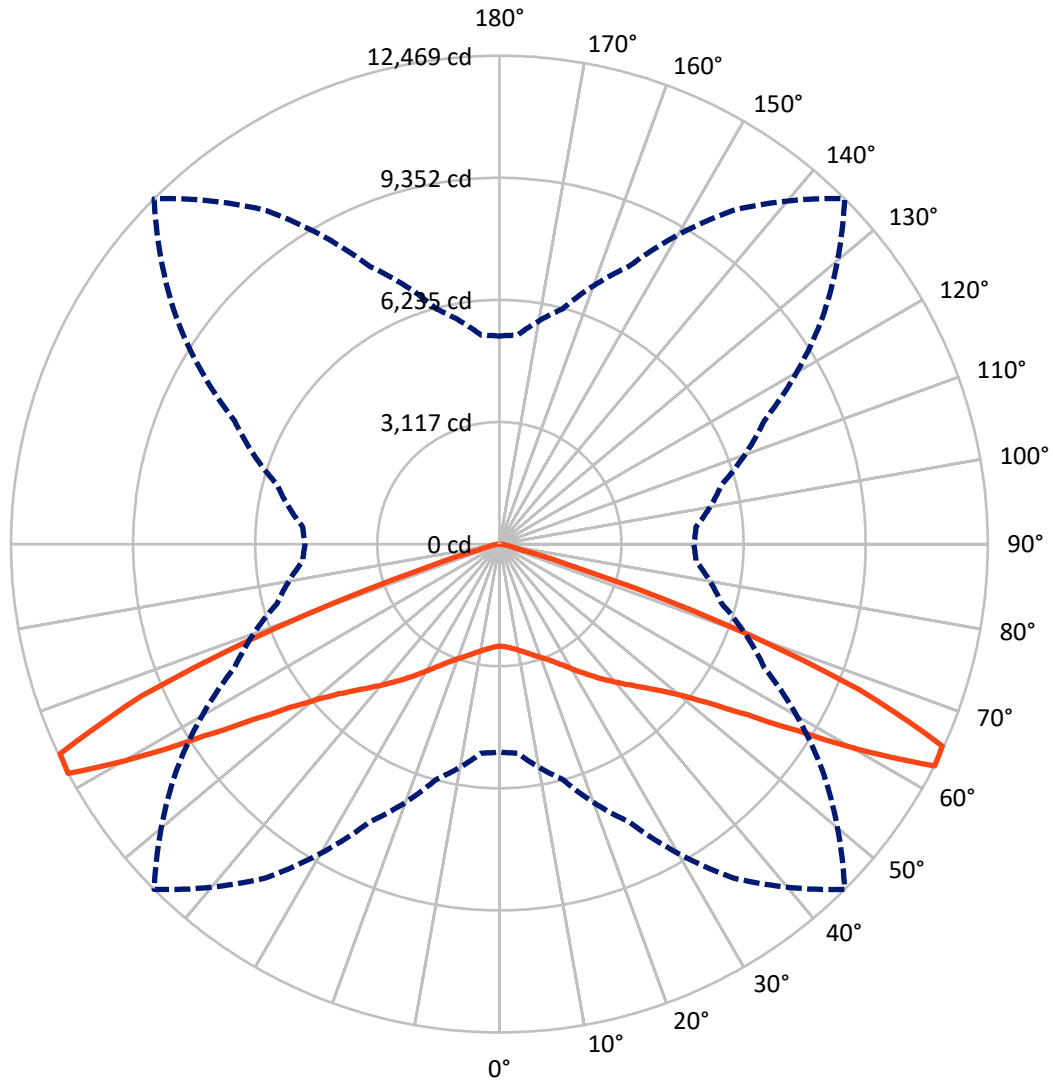
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	11163.2	0.0	11163.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11163.2	0.0	11163.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	22326.4	0.0	22326.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.6	1.1
10°-20°	824.1	3.7
20°-30°	1559.1	7.0
30°-40°	2624.3	11.8
40°-50°	4192.8	18.8
50°-60°	6758.5	30.3
60°-70°	5514.2	24.7
70°-80°	535.5	2.4
80°-90°	62.3	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°	22326.4	100.0
0°-180°	22326.4	100.0

Coefficient of Utilization



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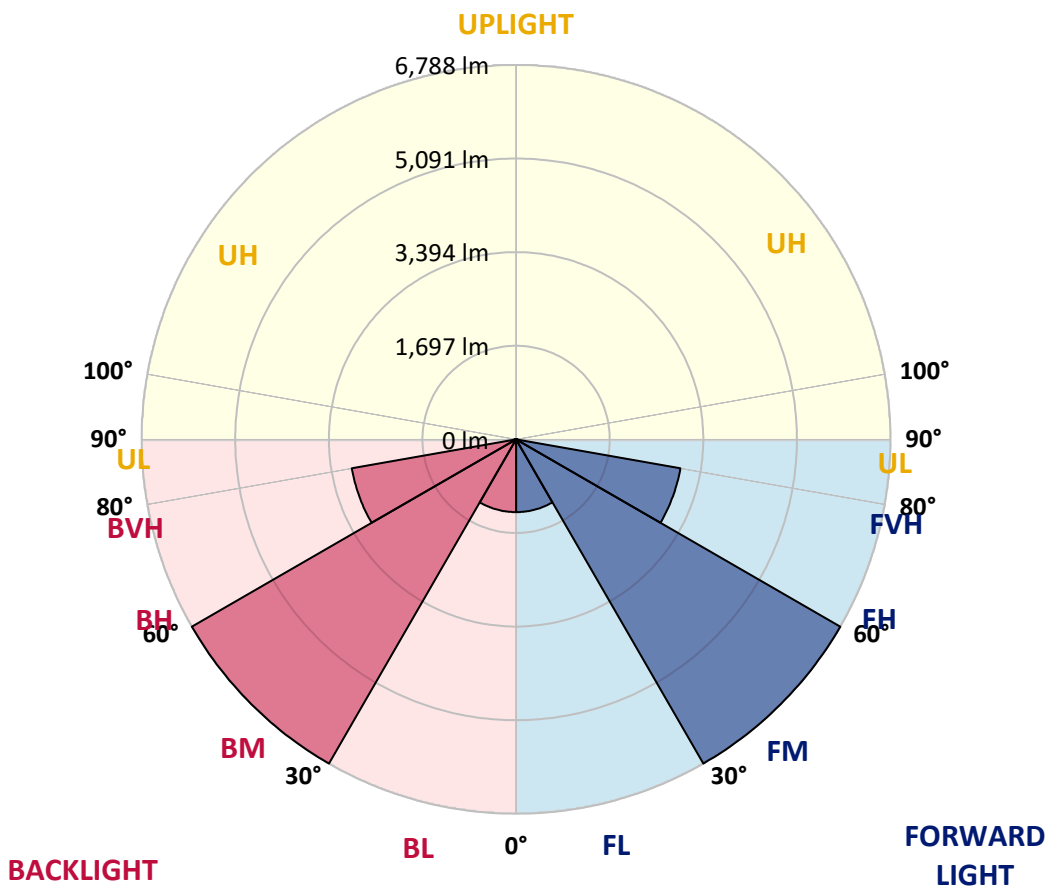
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1319.4	5.9			
FM	(30°-60°)	6787.8	30.4			
FH	(60°-80°)	3024.8	13.5			G2/5000
FVH	(80°-90°)	31.2	0.1			G1/100
BL	(0°-30°)	1319.4	5.9	B3/2500		
BM	(30°-60°)	6787.8	30.4	B4/8500		
BH	(60°-80°)	3024.8	13.5	B4/5000		G2/5000
BVH	(80°-90°)	31.2	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°	2604.7	2604.7	2604.7	2604.7	2604.7	2604.7	2604.7	2604.7	2604.7	2604.7	2604.7
2.5°	2601.6	2601.6	2607.7	2612.3	2609.3	2621.5	2620.0	2616.9	2615.4	2610.8	2624.6
5°	2636.8	2636.8	2641.4	2646.0	2638.4	2653.7	2647.6	2644.5	2643.0	2636.8	2649.1
7.5°	2676.6	2681.2	2682.8	2690.4	2685.8	2702.7	2698.1	2692.0	2688.9	2681.2	2692.0
10°	2721.1	2724.1	2725.6	2739.4	2741.0	2760.9	2756.3	2748.6	2742.5	2734.8	2750.1
12.5°	2780.8	2782.3	2786.9	2803.7	2808.3	2823.6	2822.1	2811.4	2803.7	2793.0	2809.9
15°	2857.3	2858.9	2866.5	2883.4	2891.0	2909.4	2903.3	2886.4	2875.7	2863.5	2877.2
17.5°	2937.0	2943.1	2950.7	2967.6	2978.3	2999.7	2992.1	2973.7	2964.5	2952.3	2961.5
20°	3039.6	3041.1	3045.7	3064.1	3071.7	3096.2	3097.7	3079.4	3074.8	3062.5	3076.3
22.5°	3152.9	3154.4	3159.0	3178.9	3192.7	3208.0	3217.2	3206.5	3198.8	3183.5	3200.3
25°	3278.4	3293.7	3298.3	3322.8	3338.1	3347.3	3358.1	3353.5	3342.7	3324.4	3332.0
27.5°	3454.5	3457.6	3465.2	3492.8	3502.0	3511.2	3521.9	3523.4	3508.1	3486.7	3497.4
30°	3655.1	3653.6	3670.4	3691.9	3699.5	3707.2	3722.5	3731.7	3711.8	3688.8	3699.5
32.5°	3860.3	3878.7	3900.1	3920.0	3915.4	3918.5	3943.0	3959.8	3932.3	3890.9	3900.1
35°	4091.5	4103.8	4131.3	4160.4	4154.3	4149.7	4165.0	4181.9	4143.6	4090.0	4103.8
37.5°	4328.9	4347.3	4388.6	4423.8	4414.6	4393.2	4410.0	4428.4	4391.7	4330.4	4324.3
40°	4593.8	4622.9	4682.6	4711.7	4687.2	4645.8	4674.9	4719.3	4682.6	4612.2	4595.3
42.5°	4904.6	4939.8	4999.6	5044.0	4990.4	4923.0	4972.0	5036.3	5027.1	4933.7	4904.6
45°	5289.0	5311.9	5385.4	5406.9	5327.3	5233.9	5322.7	5420.7	5397.7	5296.6	5258.4
47.5°	5707.0	5742.2	5806.5	5846.4	5717.7	5601.4	5725.4	5857.1	5832.6	5737.6	5693.2
50°	6239.9	6285.8	6370.0	6403.7	6226.1	6092.9	6252.1	6419.0	6371.6	6244.5	6186.3
52.5°	6820.2	6857.0	7000.9	7068.3	6901.4	6757.5	6896.8	7060.6	6959.6	6791.1	6713.0
55°	7331.7	7368.4	7579.7	7803.3	7795.7	7696.1	7766.6	7769.6	7495.5	7216.8	7134.1
57.5°	7441.9	7478.7	7881.4	8466.3	8879.8	8994.6	8787.9	8353.0	7662.4	7174.0	7080.6
60°	6853.9	6895.3	7535.3	8604.2	9963.9	10731.1	9778.6	8340.8	7146.4	6484.9	6396.1
62.5°	5310.4	5354.8	6215.4	7820.2	10401.9	12469.1	10066.5	7463.4	5878.5	5040.9	4962.8
65°	2535.8	2535.8	3629.1	5609.0	9529.0	12427.7	9233.5	5521.7	3538.7	2718.0	2650.6
67.5°	627.8	630.9	934.1	2183.6	6481.8	9918.0	6587.5	2650.6	1246.4	882.0	859.0
70°	392.0	390.5	433.3	591.1	2267.8	6019.4	2693.5	799.3	506.8	447.1	444.1
72.5°	304.7	304.7	326.2	378.2	594.1	2050.4	785.5	444.1	367.5	330.8	330.8
75°	240.4	240.4	255.7	283.3	350.7	528.3	418.0	329.2	284.8	260.3	257.3
77.5°	179.2	182.2	194.5	212.8	238.9	297.1	264.9	248.1	222.0	203.7	197.5
80°	116.4	121.0	136.3	147.0	156.2	196.0	173.0	180.7	168.4	147.0	143.9
82.5°	62.8	64.3	82.7	85.8	88.8	107.2	110.3	114.8	119.4	93.4	87.3
85°	23.0	23.0	27.6	32.2	35.2	38.3	52.1	64.3	67.4	53.6	52.1
87.5°	4.6	4.6	4.6	3.1	3.1	3.1	9.2	16.8	27.6	21.4	21.4
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)