

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: P641648

Luminaire Tested: GWS-SA6B-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641648
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-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21826.2 lumens
Efficiency: N/A
Efficacy: 157.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

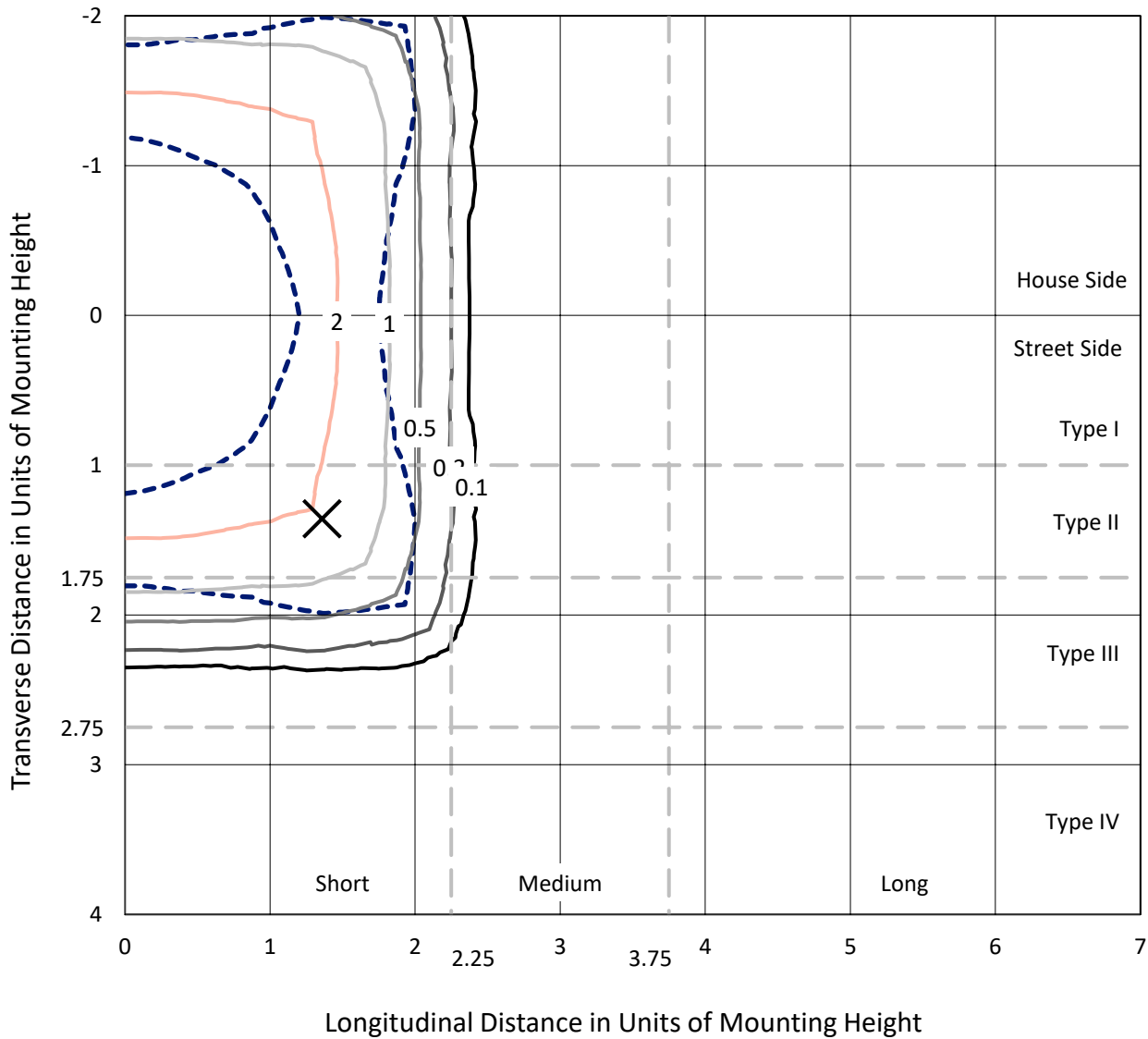
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

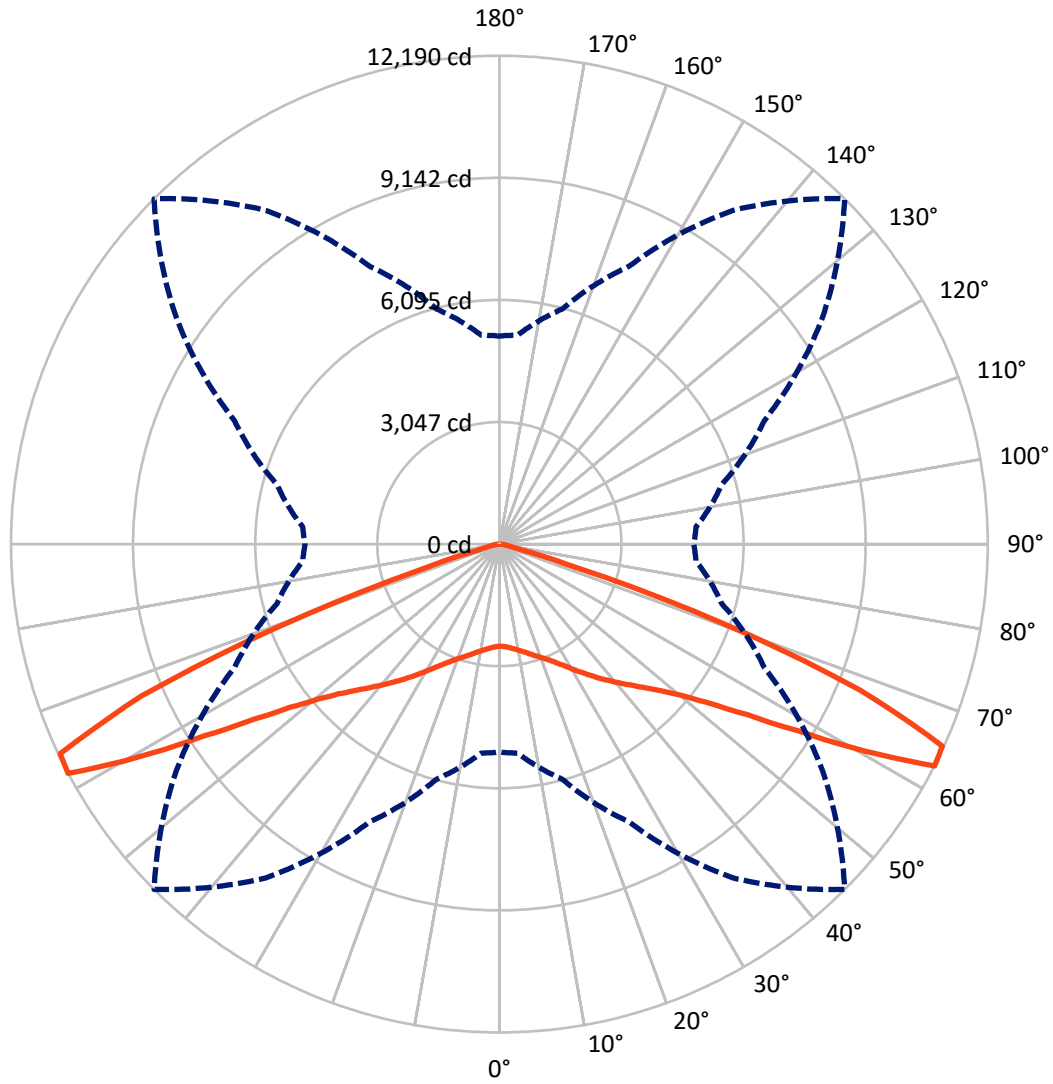
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	10913.1	0.0	10913.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10913.1	0.0	10913.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	21826.2	0.0	21826.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.8	1.1
10°-20°	805.7	3.7
20°-30°	1524.2	7.0
30°-40°	2565.5	11.8
40°-50°	4098.9	18.8
50°-60°	6607.1	30.3
60°-70°	5390.7	24.7
70°-80°	523.5	2.4
80°-90°	60.9	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°	21826.2	100.0
0°-180°	21826.2	100.0

Coefficient of Utilization



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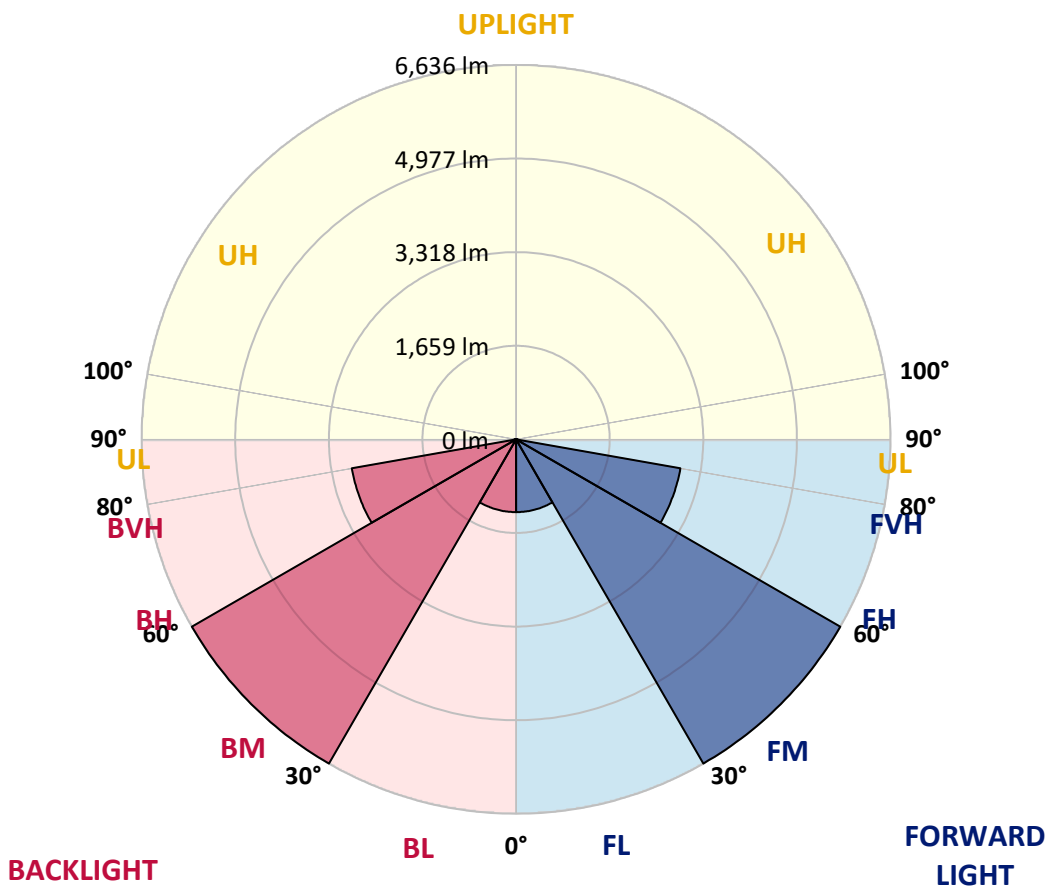
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1289.8	5.9			
FM (30°-60°)	6635.7	30.4			
FH (60°-80°)	2957.1	13.5			G2/5000
FVH (80°-90°)	30.5	0.1			G1/100
BL (0°-30°)	1289.8	5.9	B3/2500		
BM (30°-60°)	6635.7	30.4	B4/8500		
BH (60°-80°)	2957.1	13.5	B4/5000		G2/5000
BVH (80°-90°)	30.5	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°	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3
2.5°	2543.3	2543.3	2549.3	2553.8	2550.8	2562.8	2561.3	2558.3	2556.8	2552.3	2565.8
5°	2577.8	2577.8	2582.2	2586.7	2579.3	2594.2	2588.2	2585.2	2583.7	2577.8	2589.7
7.5°	2616.7	2621.2	2622.7	2630.2	2625.7	2642.1	2637.6	2631.6	2628.7	2621.2	2631.6
10°	2660.1	2663.1	2664.6	2678.1	2679.5	2699.0	2694.5	2687.0	2681.0	2673.6	2688.5
12.5°	2718.5	2720.0	2724.5	2740.9	2745.4	2760.4	2758.9	2748.4	2740.9	2730.4	2746.9
15°	2793.3	2794.8	2802.3	2818.8	2826.3	2844.2	2838.2	2821.8	2811.3	2799.3	2812.8
17.5°	2871.2	2877.1	2884.6	2901.1	2911.6	2932.5	2925.1	2907.1	2898.1	2886.1	2895.1
20°	2971.5	2973.0	2977.4	2995.4	3002.9	3026.8	3028.3	3010.4	3005.9	2993.9	3007.4
22.5°	3082.2	3083.7	3088.2	3107.7	3121.2	3136.1	3145.1	3134.6	3127.1	3112.2	3128.6
25°	3205.0	3220.0	3224.4	3248.4	3263.4	3272.3	3282.8	3278.3	3267.9	3249.9	3257.4
27.5°	3377.1	3380.1	3387.6	3414.6	3423.5	3432.5	3443.0	3444.5	3429.5	3408.6	3419.0
30°	3573.2	3571.7	3588.2	3609.2	3616.6	3624.1	3639.1	3648.1	3628.6	3606.2	3616.6
32.5°	3773.8	3791.8	3812.7	3832.2	3827.7	3830.7	3854.7	3871.1	3844.2	3803.8	3812.7
35°	3999.9	4011.8	4038.8	4067.2	4061.2	4056.7	4071.7	4088.2	4050.8	3998.4	4011.8
37.5°	4231.9	4249.9	4290.3	4324.7	4315.7	4294.8	4311.2	4329.2	4293.3	4233.4	4227.4
40°	4490.9	4519.3	4577.7	4606.1	4582.2	4541.8	4570.2	4613.6	4577.7	4508.8	4492.4
42.5°	4794.7	4829.2	4887.6	4931.0	4878.6	4812.7	4860.6	4923.5	4914.5	4823.2	4794.7
45°	5170.5	5192.9	5264.8	5285.7	5207.9	5116.6	5203.4	5299.2	5276.8	5178.0	5140.5
47.5°	5579.2	5613.6	5676.5	5715.4	5589.6	5475.9	5597.1	5725.9	5701.9	5609.1	5565.7
50°	6100.1	6145.0	6227.3	6260.3	6086.6	5956.4	6112.1	6275.2	6228.8	6104.6	6047.7
52.5°	6667.4	6703.4	6844.1	6909.9	6746.8	6606.1	6742.3	6902.5	6803.7	6639.0	6562.7
55°	7167.4	7203.3	7409.9	7628.5	7621.0	7523.7	7592.6	7595.5	7327.6	7055.1	6974.3
57.5°	7275.2	7311.1	7704.8	8276.7	8680.8	8793.1	8591.0	8165.9	7490.8	7013.2	6921.9
60°	6700.4	6740.8	7366.5	8411.4	9740.7	10490.7	9559.6	8153.9	6986.3	6339.6	6252.8
62.5°	5191.4	5234.9	6076.1	7644.9	10168.8	12189.7	9841.0	7296.2	5746.8	4928.0	4851.6
65°	2479.0	2479.0	3547.8	5483.3	9315.6	12149.3	9026.6	5398.0	3459.5	2657.1	2591.2
67.5°	613.8	616.7	913.1	2134.7	6336.6	9695.8	6439.9	2591.2	1218.5	862.2	839.8
70°	383.2	381.7	423.6	577.8	2217.0	5884.5	2633.1	781.4	495.5	437.1	434.1
72.5°	297.9	297.9	318.9	369.7	580.8	2004.4	767.9	434.1	359.3	323.3	323.3
75°	235.0	235.0	250.0	276.9	342.8	516.4	408.7	321.8	278.4	254.5	251.5
77.5°	175.1	178.1	190.1	208.1	233.5	290.4	259.0	242.5	217.1	199.1	193.1
80°	113.8	118.3	133.2	143.7	152.7	191.6	169.2	176.6	164.7	143.7	140.7
82.5°	61.4	62.9	80.8	83.8	86.8	104.8	107.8	112.3	116.8	91.3	85.3
85°	22.5	22.5	26.9	31.4	34.4	37.4	50.9	62.9	65.9	52.4	50.9
87.5°	4.5	4.5	4.5	3.0	3.0	3.0	9.0	16.5	26.9	21.0	21.0
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)