

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: P642138

Luminaire Tested: GWS-SA6C-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17111.1 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 189.2
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

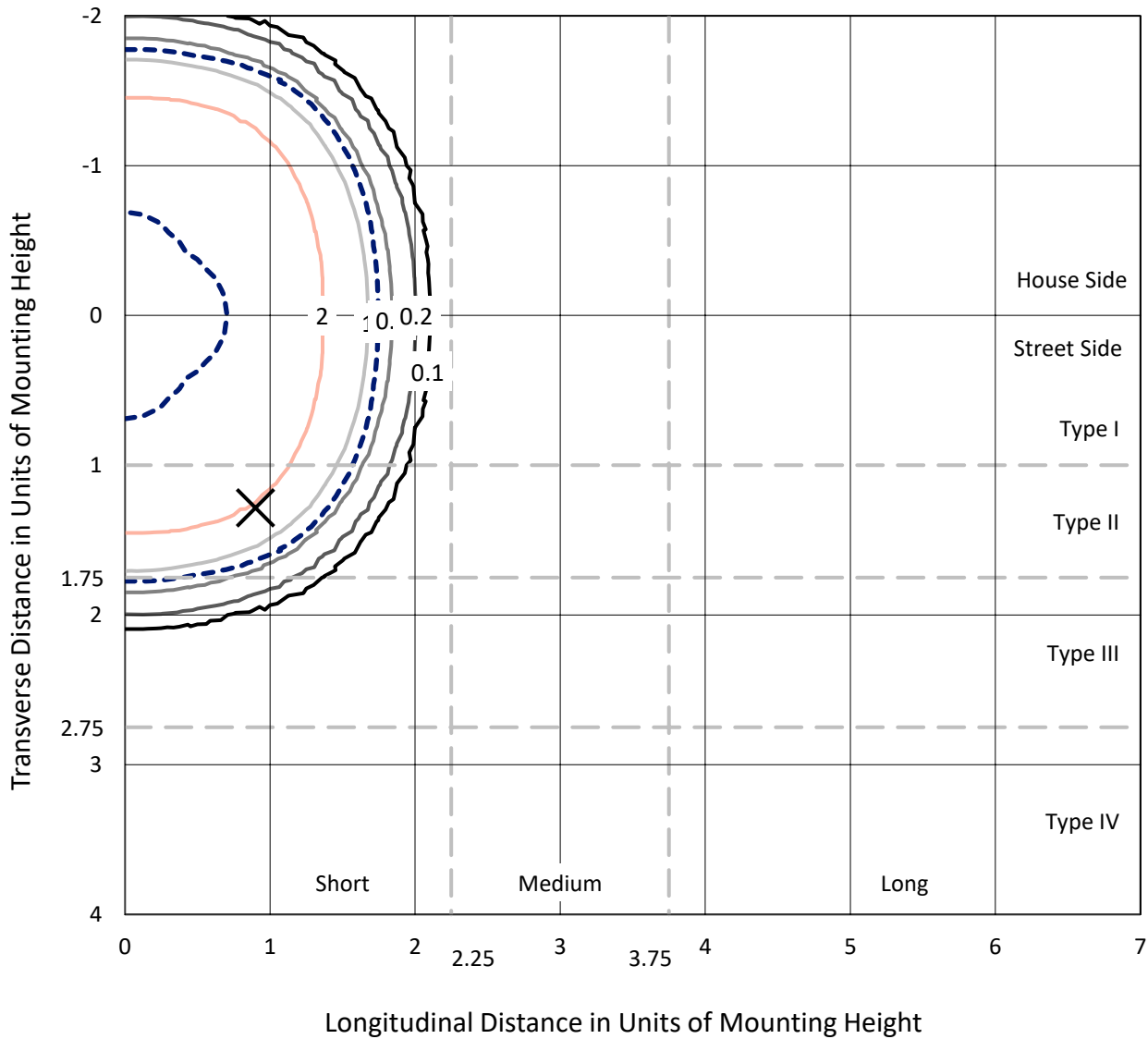


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Iso-Footcandle Lines of Horizontal Illumination

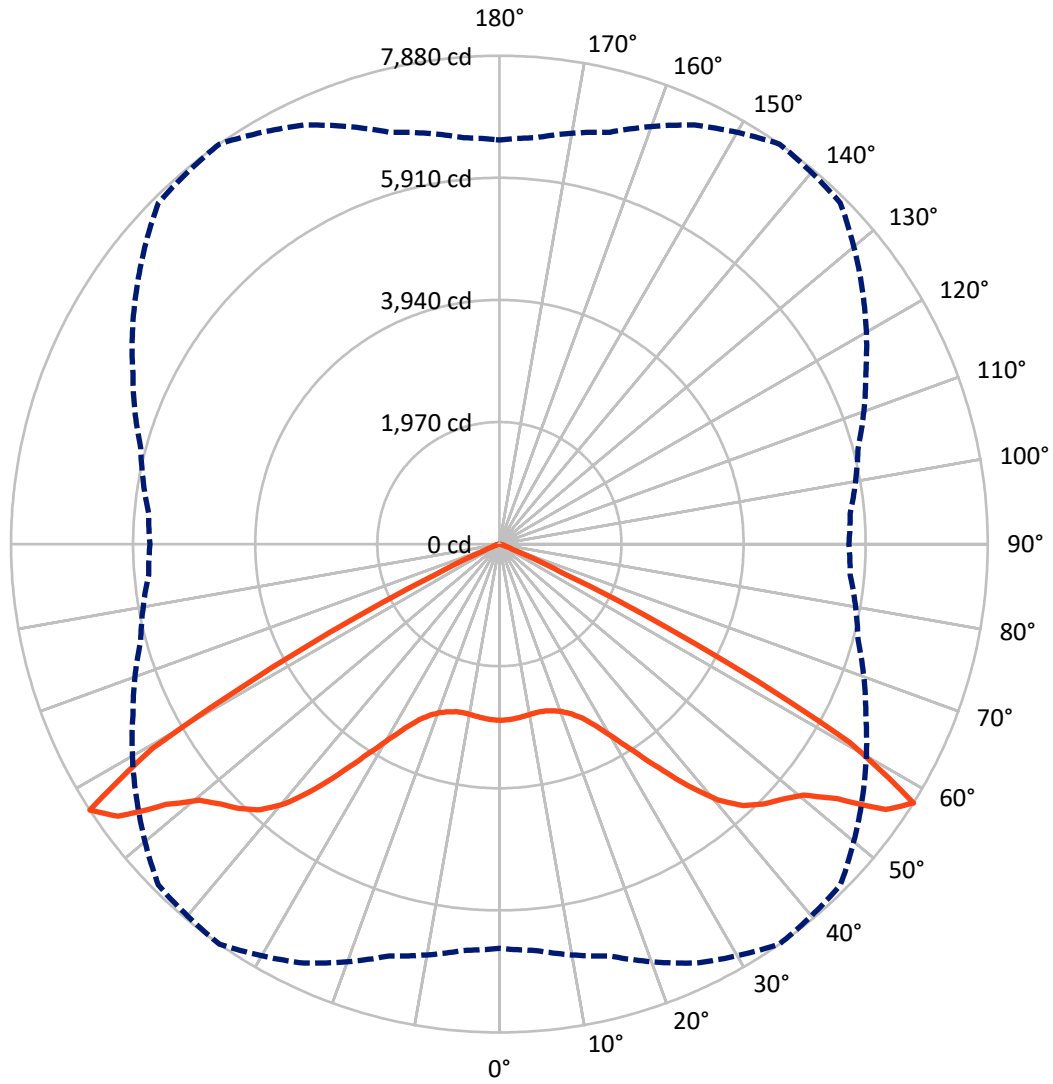
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8555.6	0.0	8555.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8555.6	0.0	8555.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	17111.1	0.0	17111.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.0	1.6
10°-20°	788.4	4.6
20°-30°	1425.1	8.3
30°-40°	2658.7	15.5
40°-50°	4460.0	26.1
50°-60°	5889.9	34.4
60°-70°	1564.2	9.1
70°-80°	55.6	0.3
80°-90°	1.0	0.0
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°	17111.1	100.0
0°-180°	17111.1	100.0

Coefficient of Utilization



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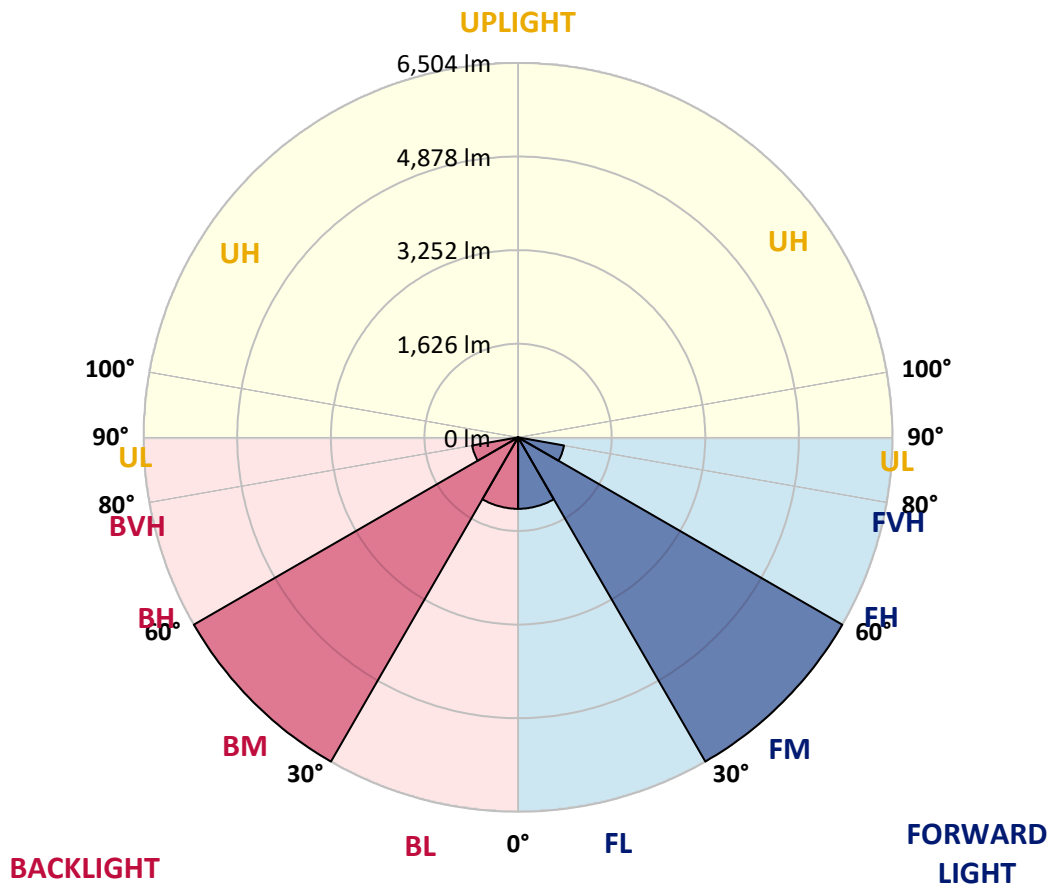
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1240.8	7.3			
FM (30°-60°)	6504.4	38.0			
FH (60°-80°)	809.9	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1240.8	7.3	B3/2500		
BM (30°-60°)	6504.4	38.0	B4/8500		
BH (60°-80°)	809.9	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2844.9	2844.9	2844.9	2844.9	2844.9	2844.9	2844.9	2844.9	2844.9	2844.9	2844.9
2.5°	2824.8	2822.8	2830.8	2836.8	2836.8	2850.9	2846.9	2842.9	2838.9	2832.8	2846.9
5°	2820.8	2818.8	2824.8	2828.8	2824.8	2836.8	2828.8	2820.8	2816.8	2808.7	2824.8
7.5°	2802.7	2804.7	2808.7	2812.8	2806.7	2816.8	2806.7	2794.7	2784.6	2776.6	2790.7
10°	2774.6	2776.6	2780.6	2788.7	2790.7	2804.7	2790.7	2768.6	2754.5	2742.5	2756.5
12.5°	2760.6	2762.6	2768.6	2778.6	2780.6	2798.7	2780.6	2748.5	2728.4	2714.4	2728.4
15°	2764.6	2768.6	2776.6	2788.7	2792.7	2810.7	2786.7	2744.5	2716.4	2698.3	2710.4
17.5°	2778.6	2782.6	2794.7	2814.8	2828.8	2846.9	2816.8	2762.6	2724.4	2698.3	2710.4
20°	2796.7	2802.7	2822.8	2854.9	2885.0	2917.2	2879.0	2804.7	2754.5	2722.4	2732.4
22.5°	2846.9	2852.9	2881.0	2923.2	2973.4	3013.5	2967.3	2873.0	2804.7	2762.6	2772.6
25°	2949.3	2955.3	2991.4	3045.6	3109.9	3162.1	3103.9	2985.4	2897.1	2848.9	2852.9
27.5°	3109.9	3115.9	3158.1	3234.4	3320.7	3395.0	3310.7	3172.1	3071.7	3015.5	3015.5
30°	3312.7	3320.7	3376.9	3479.3	3613.8	3712.2	3597.8	3429.1	3300.6	3224.3	3226.3
32.5°	3573.7	3565.6	3645.9	3786.5	3977.2	4107.7	3939.1	3734.3	3575.7	3469.3	3479.3
35°	3908.9	3906.9	3997.3	4188.0	4437.0	4593.6	4392.8	4127.8	3937.0	3828.6	3830.6
37.5°	4340.6	4338.6	4443.0	4649.8	4948.9	5079.4	4854.6	4585.5	4380.7	4276.3	4288.4
40°	4846.5	4834.5	4926.8	5125.6	5424.7	5509.1	5264.1	5047.3	4850.5	4784.3	4816.4
42.5°	5328.4	5302.3	5356.5	5537.2	5768.0	5780.1	5595.4	5446.8	5312.3	5260.1	5280.2
45°	5715.8	5695.8	5746.0	5850.4	5982.9	5922.6	5834.3	5788.1	5679.7	5623.5	5641.6
47.5°	6005.0	6005.0	6065.2	6129.4	6149.5	6039.1	6053.1	6053.1	5944.7	5856.4	5834.3
50°	6253.9	6272.0	6362.3	6428.6	6362.3	6221.8	6302.1	6286.0	6065.2	5888.5	5842.3
52.5°	6651.4	6669.5	6808.0	6898.4	6824.1	6685.6	6695.6	6494.8	6169.6	5960.8	5888.5
55°	7073.0	7117.2	7318.0	7558.9	7560.9	7418.4	7153.3	6798.0	6402.5	6175.6	6101.3
57.5°	6520.9	6581.2	6880.3	7460.5	7880.1	7781.7	7149.3	6524.9	5990.9	5681.7	5639.6
60°	4487.2	4591.6	4890.7	5683.7	6492.8	6531.0	5784.1	5083.4	4471.1	4089.6	4097.7
62.5°	1895.2	2001.7	2170.3	2822.8	3565.6	3611.8	3250.4	2748.5	2248.6	1973.5	2015.7
65°	445.7	475.8	526.0	781.0	1132.3	1184.5	1092.2	851.3	628.4	532.0	542.1
67.5°	194.7	198.8	188.7	200.8	249.0	255.0	246.9	216.8	204.8	208.8	208.8
70°	136.5	138.5	130.5	124.5	118.5	110.4	114.4	126.5	136.5	144.6	142.5
72.5°	84.3	86.3	88.3	88.3	82.3	74.3	78.3	86.3	88.3	90.3	88.3
75°	42.2	44.2	48.2	50.2	48.2	46.2	46.2	48.2	48.2	46.2	46.2
77.5°	8.0	10.0	14.1	16.1	16.1	16.1	16.1	16.1	18.1	16.1	16.1
80°	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
82.5°	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
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)