

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: P642468

Luminaire Tested: GWS-SA6D-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642468
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-SA6D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16121.6 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

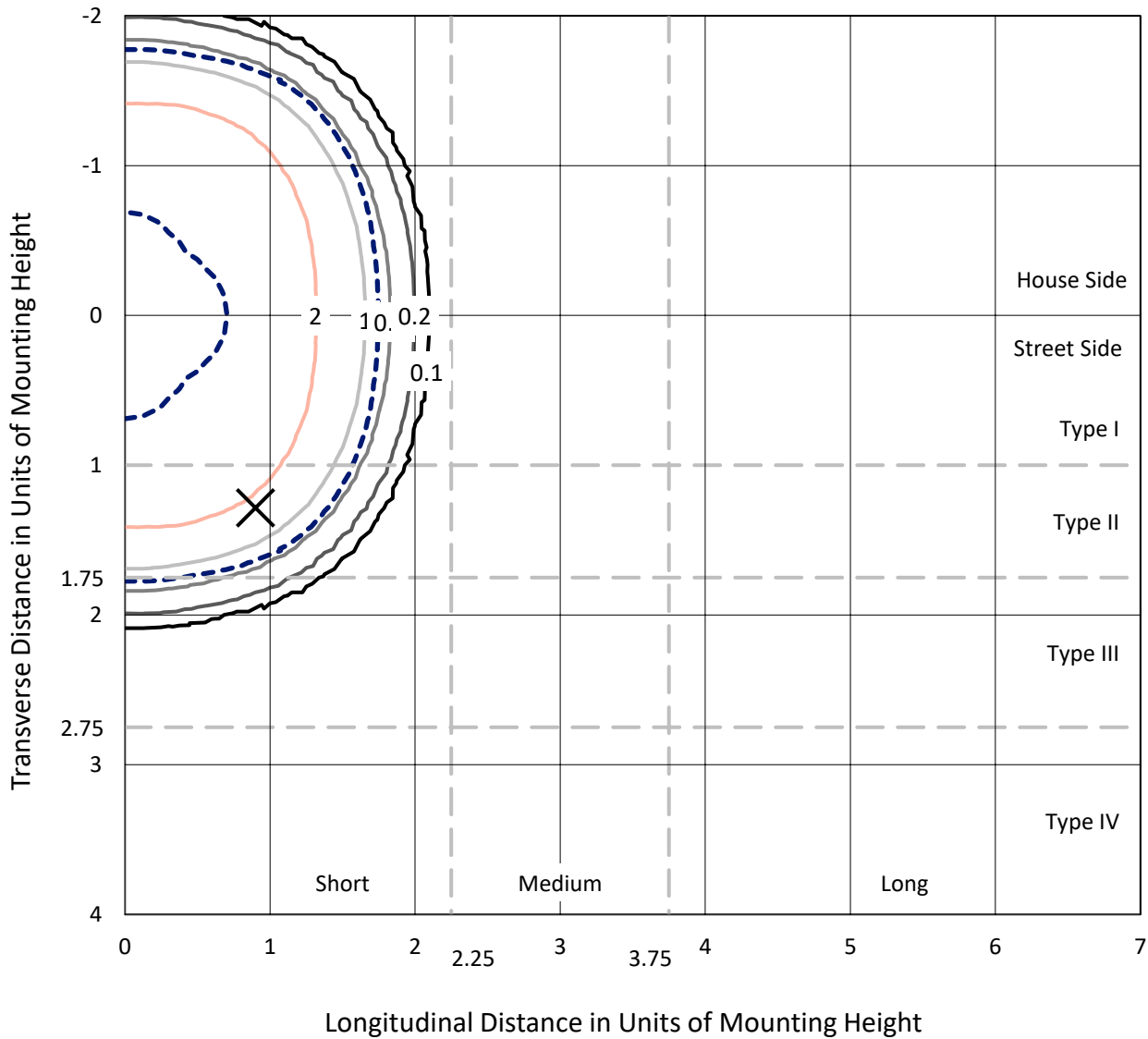
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

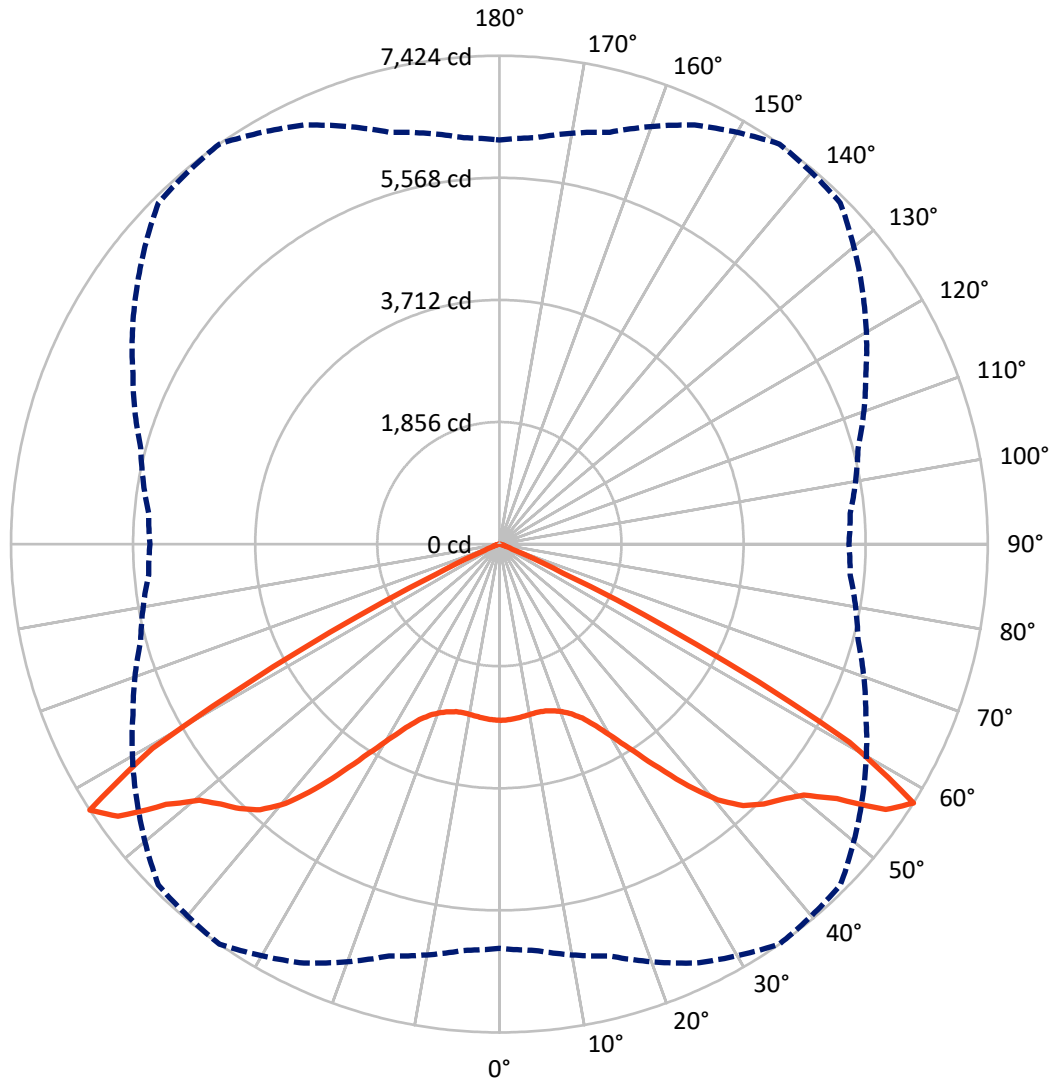
✕ Max cd
 - - - 1/2 Max cd



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

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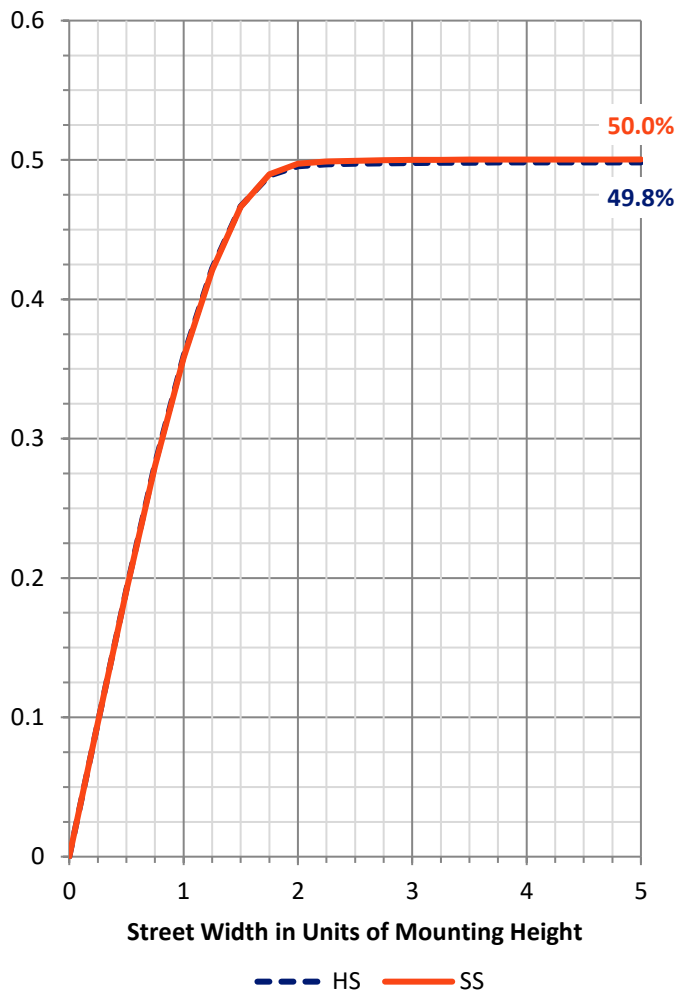
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8060.8	0.0	8060.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8060.8	0.0	8060.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16121.6	0.0	16121.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	1.6
10°-20°	742.8	4.6
20°-30°	1342.7	8.3
30°-40°	2505.0	15.5
40°-50°	4202.1	26.1
50°-60°	5549.3	34.4
60°-70°	1473.8	9.1
70°-80°	52.3	0.3
80°-90°	0.9	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°	16121.6	100.0
0°-180°	16121.6	100.0

Coefficient of Utilization



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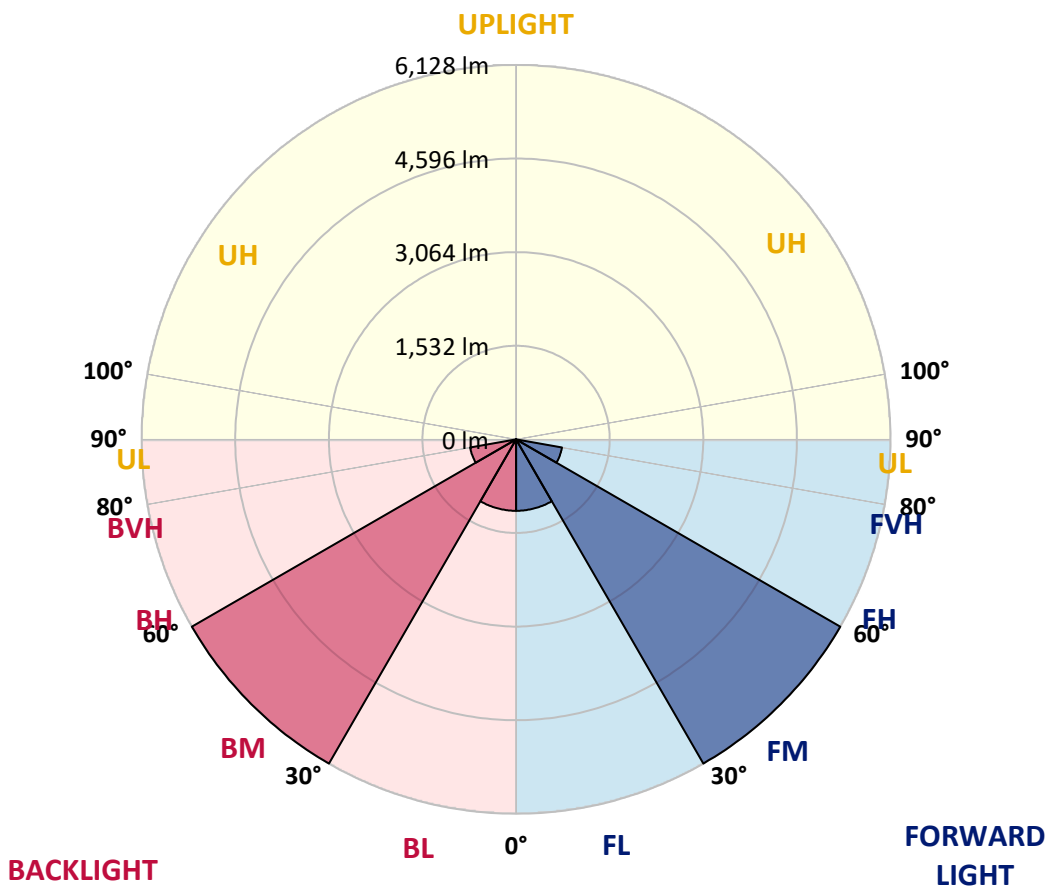
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1169.0	7.3			
FM (30°-60°)	6128.2	38.0			
FH (60°-80°)	763.1	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1169.0	7.3	B3/2500		
BM (30°-60°)	6128.2	38.0	B4/8500		
BH (60°-80°)	763.1	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°	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4	2680.4
2.5°	2661.4	2659.6	2667.1	2672.8	2672.8	2686.0	2682.3	2678.5	2674.7	2669.0	2682.3
5°	2657.7	2655.8	2661.4	2665.2	2661.4	2672.8	2665.2	2657.7	2653.9	2646.3	2661.4
7.5°	2640.6	2642.5	2646.3	2650.1	2644.4	2653.9	2644.4	2633.1	2623.6	2616.0	2629.3
10°	2614.2	2616.0	2619.8	2627.4	2629.3	2642.5	2629.3	2608.5	2595.2	2583.9	2597.1
12.5°	2600.9	2602.8	2608.5	2617.9	2619.8	2636.9	2619.8	2589.6	2570.6	2557.4	2570.6
15°	2604.7	2608.5	2616.0	2627.4	2631.2	2648.2	2625.5	2585.8	2559.3	2542.3	2553.6
17.5°	2617.9	2621.7	2633.1	2652.0	2665.2	2682.3	2653.9	2602.8	2566.9	2542.3	2553.6
20°	2635.0	2640.6	2659.6	2689.8	2718.2	2748.5	2712.5	2642.5	2595.2	2565.0	2574.4
22.5°	2682.3	2687.9	2714.4	2754.1	2801.4	2839.3	2795.7	2706.8	2642.5	2602.8	2612.3
25°	2778.7	2784.4	2818.4	2869.5	2930.0	2979.2	2924.4	2812.8	2729.5	2684.1	2687.9
27.5°	2930.0	2935.7	2975.4	3047.3	3128.7	3198.7	3119.2	2988.7	2894.1	2841.1	2841.1
30°	3121.1	3128.7	3181.6	3278.1	3404.8	3497.5	3389.7	3230.8	3109.7	3037.9	3039.8
32.5°	3367.0	3359.4	3435.1	3567.5	3747.2	3870.2	3711.3	3518.3	3368.9	3268.6	3278.1
35°	3682.9	3681.0	3766.1	3945.8	4180.4	4327.9	4138.8	3889.1	3709.4	3607.2	3609.1
37.5°	4089.6	4087.7	4186.1	4380.9	4662.7	4785.7	4573.8	4320.4	4127.4	4029.1	4040.4
40°	4566.3	4554.9	4641.9	4829.2	5111.0	5190.5	4959.7	4755.4	4570.0	4507.6	4537.9
42.5°	5020.2	4995.6	5046.7	5217.0	5434.5	5445.8	5271.8	5131.8	5005.1	4955.9	4974.8
45°	5385.3	5366.4	5413.7	5512.0	5636.9	5580.1	5496.9	5453.4	5351.3	5298.3	5315.3
47.5°	5657.7	5657.7	5714.4	5775.0	5793.9	5689.9	5703.1	5703.1	5601.0	5517.7	5496.9
50°	5892.3	5909.3	5994.4	6056.8	5994.4	5862.0	5937.7	5922.5	5714.4	5548.0	5504.5
52.5°	6266.8	6283.8	6414.3	6499.5	6429.5	6298.9	6308.4	6119.2	5812.8	5616.1	5548.0
55°	6664.0	6705.6	6894.8	7121.8	7123.7	6989.4	6739.7	6404.9	6032.2	5818.5	5748.5
57.5°	6143.8	6200.6	6482.4	7029.1	7424.4	7331.7	6735.9	6147.6	5644.5	5353.2	5313.4
60°	4227.7	4326.0	4607.9	5355.0	6117.4	6153.3	5449.6	4789.5	4212.5	3853.1	3860.7
62.5°	1785.6	1885.9	2044.8	2659.6	3359.4	3402.9	3062.5	2589.6	2118.6	1859.4	1899.1
65°	419.9	448.3	495.6	735.8	1066.8	1116.0	1029.0	802.0	592.1	501.3	510.7
67.5°	183.5	187.3	177.8	189.2	234.6	240.2	232.7	204.3	192.9	196.7	196.7
70°	128.6	130.5	123.0	117.3	111.6	104.0	107.8	119.2	128.6	136.2	134.3
72.5°	79.4	81.3	83.2	83.2	77.6	70.0	73.8	81.3	83.2	85.1	83.2
75°	39.7	41.6	45.4	47.3	45.4	43.5	43.5	45.4	45.4	43.5	43.5
77.5°	7.6	9.5	13.2	15.1	15.1	15.1	15.1	15.1	17.0	15.1	15.1
80°	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
82.5°	1.9	1.9	1.9	1.9	0.0	0.0	1.9	1.9	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
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)