

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: P641479

Luminaire Tested: GWS-SA6B-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13655.3 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

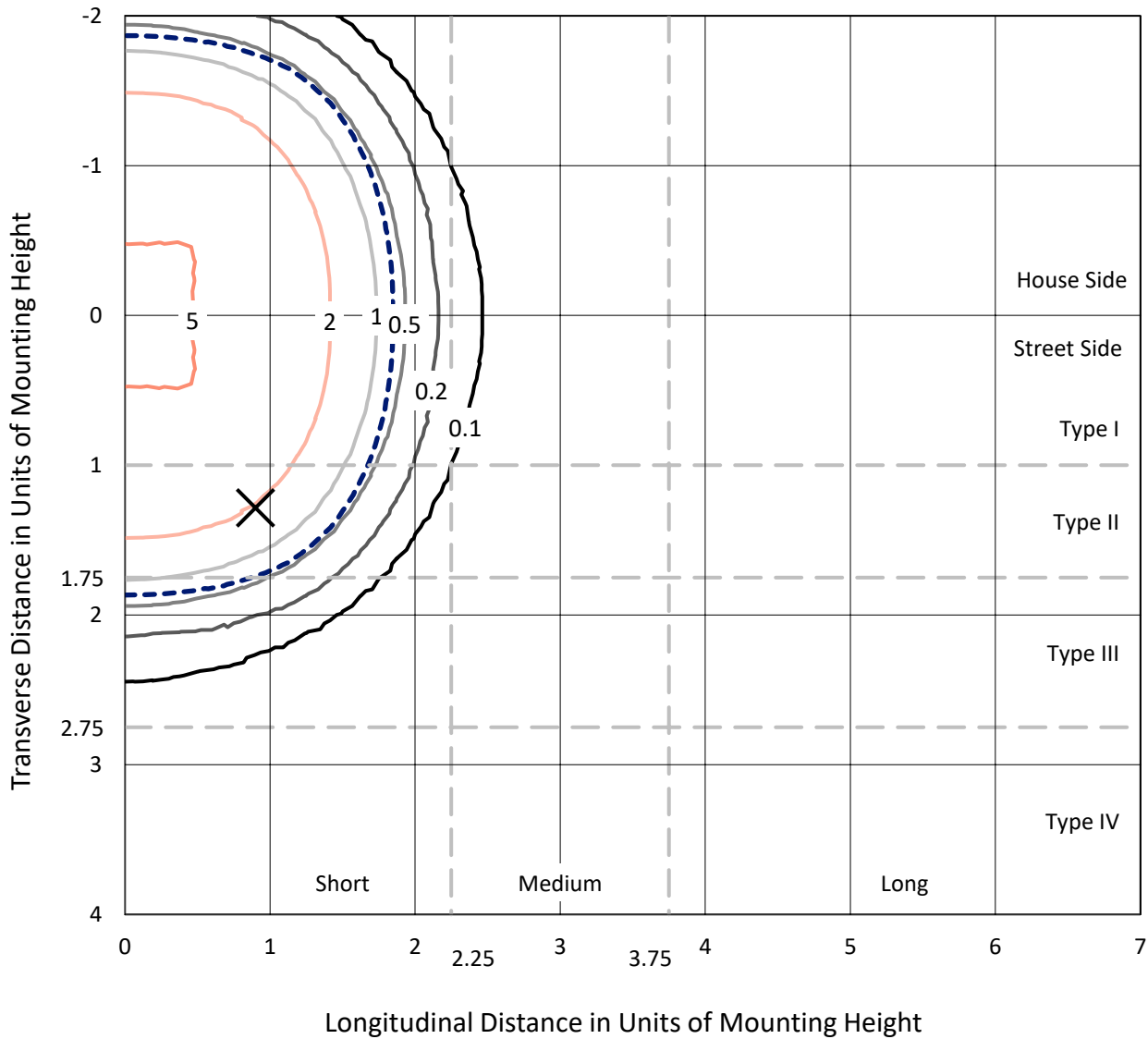
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

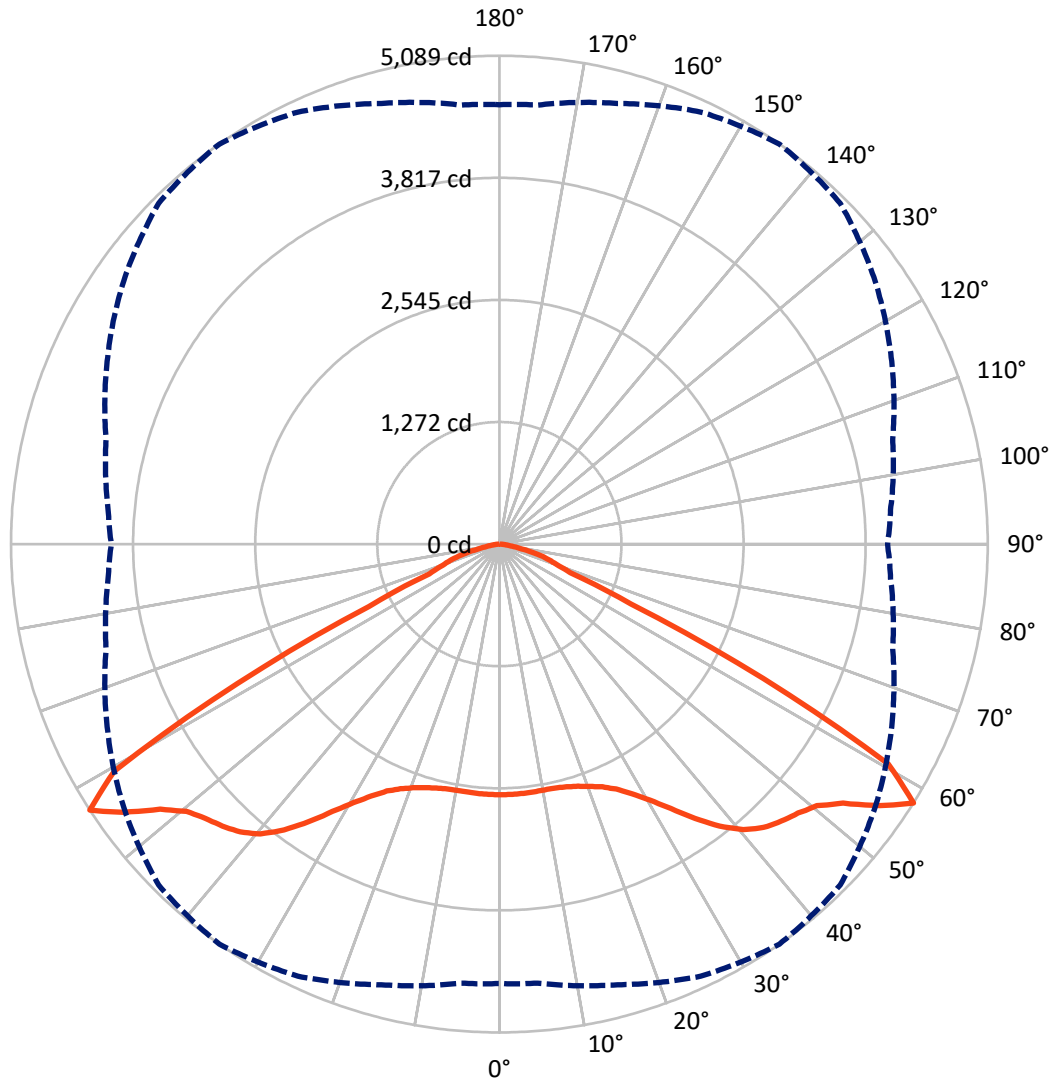
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 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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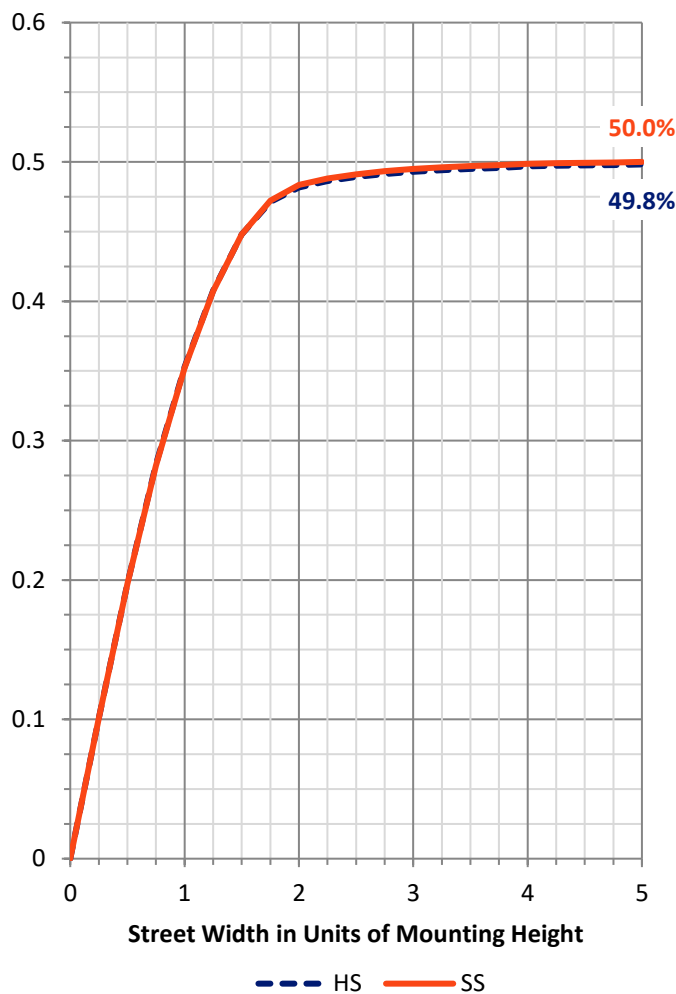
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6827.6	0.0	6827.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6827.6	0.0	6827.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	13655.3	0.0	13655.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	1.8
10°-20°	741.6	5.4
20°-30°	1293.9	9.5
30°-40°	2121.8	15.5
40°-50°	3124.9	22.9
50°-60°	3987.8	29.2
60°-70°	1680.7	12.3
70°-80°	401.5	2.9
80°-90°	54.6	0.4
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°	13655.3	100.0
0°-180°	13655.3	100.0

Coefficient of Utilization



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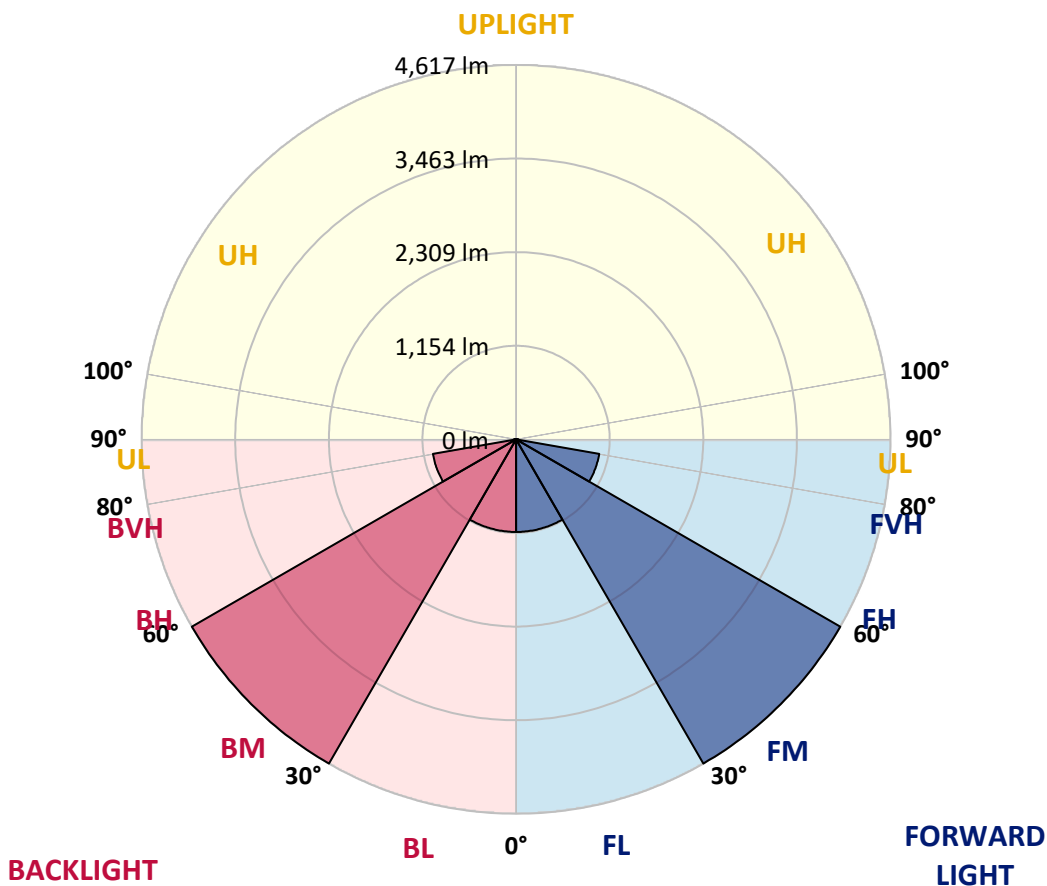
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1142.0	8.4			
FM (30°-60°)	4617.2	33.8			
FH (60°-80°)	1041.1	7.6			G1/1800
FVH (80°-90°)	27.3	0.2			G1/100
BL (0°-30°)	1142.0	8.4	B3/2500		
BM (30°-60°)	4617.2	33.8	B3/5000		
BH (60°-80°)	1041.1	7.6	B3/2500		G1/1800
BVH (80°-90°)	27.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8
2.5°	2597.1	2597.1	2602.7	2608.3	2610.5	2620.6	2619.5	2616.1	2613.9	2607.2	2616.1
5°	2602.7	2602.7	2607.2	2610.5	2609.4	2617.3	2613.9	2608.3	2605.0	2598.3	2608.3
7.5°	2601.6	2601.6	2605.0	2608.3	2606.1	2612.8	2607.2	2599.4	2593.8	2587.1	2596.0
10°	2587.1	2589.3	2592.7	2600.5	2603.8	2613.9	2606.1	2593.8	2584.8	2577.0	2586.0
12.5°	2584.8	2587.1	2591.5	2601.6	2607.2	2621.7	2611.7	2591.5	2578.1	2568.1	2577.0
15°	2594.9	2597.1	2603.8	2616.1	2625.1	2640.7	2626.2	2598.3	2579.2	2565.8	2573.7
17.5°	2607.2	2610.5	2620.6	2638.5	2653.0	2669.8	2651.9	2618.4	2591.5	2573.7	2580.4
20°	2620.6	2625.1	2640.7	2667.6	2694.4	2715.6	2693.3	2648.6	2616.1	2592.7	2599.4
22.5°	2644.1	2649.7	2669.8	2707.8	2748.1	2779.4	2751.4	2691.0	2648.6	2618.4	2624.0
25°	2692.2	2698.9	2724.6	2770.4	2827.4	2865.5	2826.3	2758.1	2698.9	2662.0	2667.6
27.5°	2777.1	2780.5	2814.0	2874.4	2944.8	2988.4	2941.5	2861.0	2795.0	2752.5	2757.0
30°	2888.9	2899.0	2932.5	3011.9	3095.8	3153.9	3092.4	2997.4	2921.4	2869.9	2874.4
32.5°	3025.3	3032.0	3082.3	3165.1	3285.8	3352.9	3269.1	3156.1	3064.5	3001.9	3006.3
35°	3204.2	3209.8	3257.9	3363.0	3509.4	3572.0	3475.9	3346.2	3240.0	3180.7	3197.5
37.5°	3417.8	3427.8	3462.5	3566.4	3729.7	3791.2	3680.5	3559.7	3449.1	3394.3	3406.6
40°	3646.9	3645.8	3673.8	3765.5	3914.1	3952.2	3852.7	3756.5	3661.5	3625.7	3645.8
42.5°	3843.7	3838.1	3858.2	3934.3	4037.1	4040.5	3974.5	3920.9	3853.8	3829.2	3848.2
45°	3981.2	3983.5	4013.6	4066.2	4118.7	4090.8	4070.7	4061.7	4009.2	3975.6	3979.0
47.5°	4089.7	4098.6	4146.7	4182.5	4189.2	4142.2	4170.2	4183.6	4140.0	4088.6	4074.0
50°	4185.8	4200.4	4263.0	4301.0	4286.4	4227.2	4282.0	4302.1	4205.9	4107.6	4078.5
52.5°	4360.2	4377.0	4453.0	4502.2	4485.4	4426.2	4477.6	4406.1	4244.0	4123.2	4086.3
55°	4638.6	4646.4	4739.2	4819.7	4811.9	4739.2	4697.9	4539.1	4342.3	4217.1	4182.5
57.5°	4579.4	4592.8	4753.8	4968.4	5089.2	5023.2	4780.6	4510.0	4242.8	4091.9	4045.0
60°	3603.3	3635.8	3835.9	4213.8	4656.5	4655.4	4204.8	3784.5	3462.5	3262.3	3242.2
62.5°	2104.1	2126.5	2308.7	2691.0	3087.9	3112.5	2796.1	2507.7	2226.0	2090.7	2025.8
65°	996.1	995.0	1067.7	1239.9	1508.2	1529.4	1434.4	1276.8	1110.2	1064.3	1052.0
67.5°	735.6	735.6	730.1	742.4	793.8	805.0	793.8	768.1	752.4	762.5	755.8
70°	638.4	639.5	632.8	629.4	629.4	626.1	630.6	640.6	647.3	660.7	654.0
72.5°	517.6	518.8	518.8	519.9	521.0	516.5	523.2	528.8	529.9	534.4	529.9
75°	367.8	370.1	376.8	382.4	386.8	386.8	389.1	390.2	385.7	391.3	382.4
77.5°	202.4	204.6	216.9	227.0	237.0	238.1	241.5	243.7	241.5	246.0	239.3
80°	111.8	114.0	119.6	124.1	131.9	138.6	143.1	145.3	145.3	148.7	145.3
82.5°	63.7	66.0	69.3	71.6	78.3	83.9	88.3	91.7	91.7	92.8	90.6
85°	30.2	30.2	32.4	34.7	38.0	40.2	45.8	49.2	49.2	51.4	49.2
87.5°	4.5	5.6	6.7	6.7	8.9	11.2	13.4	14.5	16.8	17.9	17.9
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)