

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: P641485

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 13171.2 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

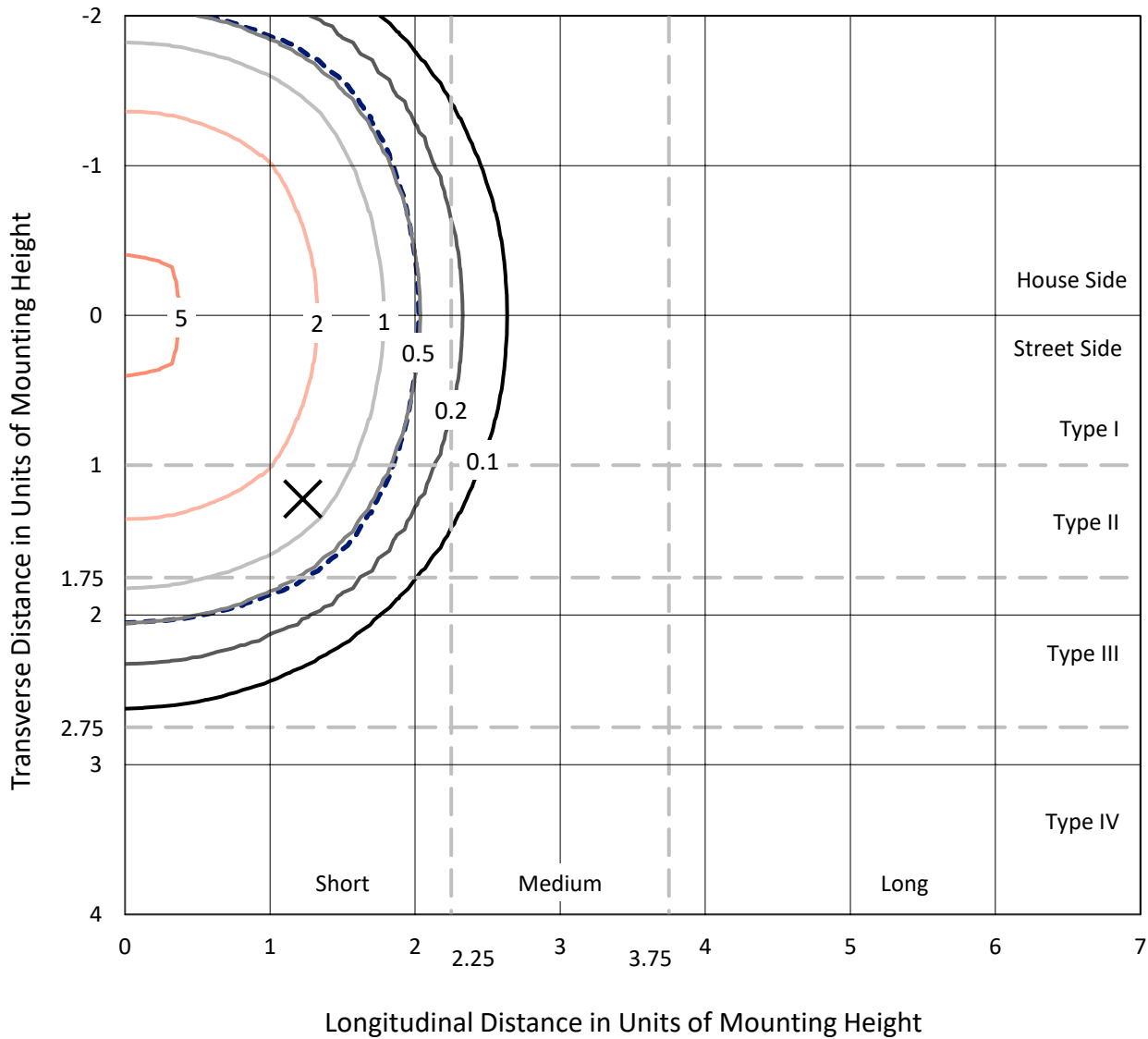
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

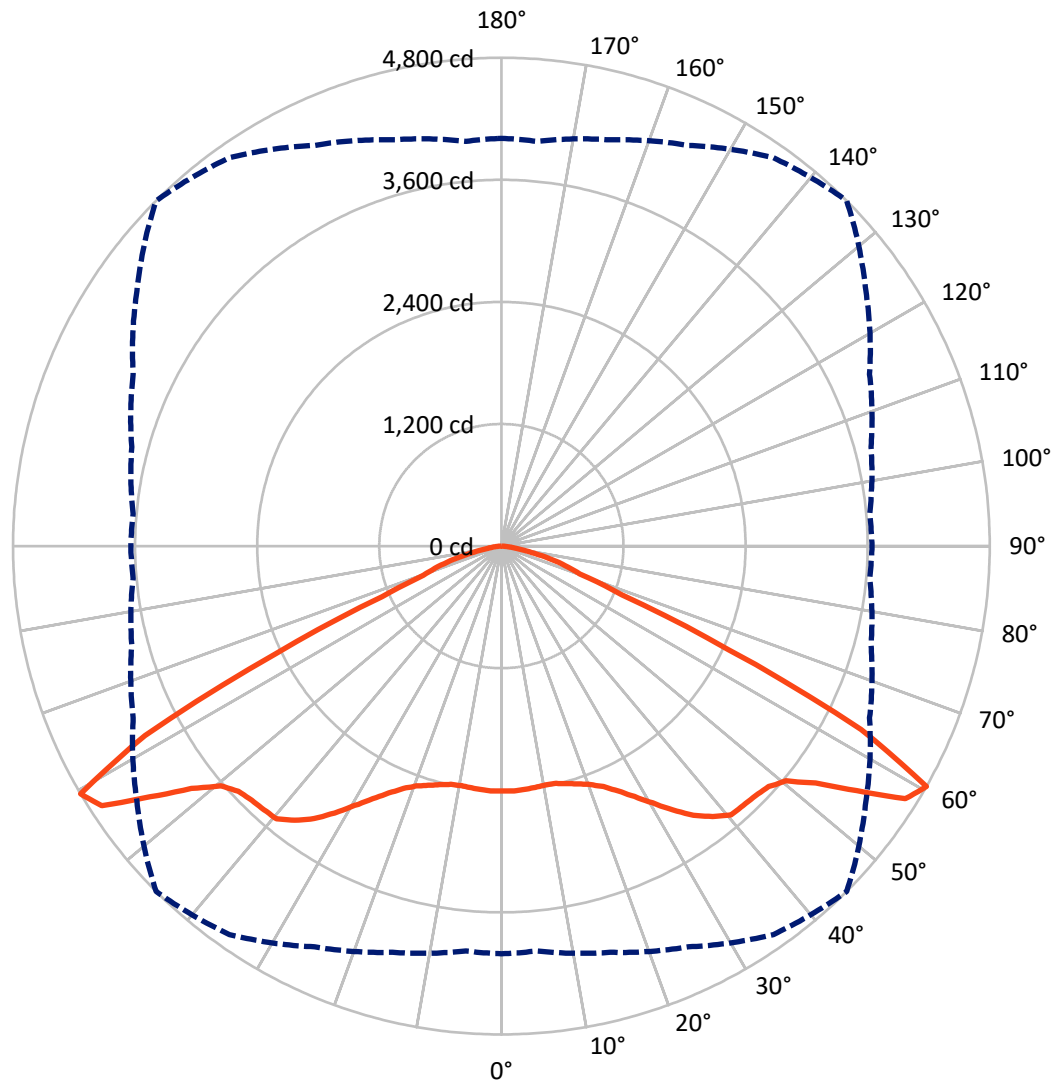
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6585.6	0.0	6585.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6585.6	0.0	6585.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	13171.2	0.0	13171.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.3	1.7
10°-20°	686.6	5.2
20°-30°	1214.7	9.2
30°-40°	1955.7	14.8
40°-50°	2688.1	20.4
50°-60°	3582.2	27.2
60°-70°	2232.6	17.0
70°-80°	513.4	3.9
80°-90°	69.6	0.5
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°	13171.2	100.0
0°-180°	13171.2	100.0

Coefficient of Utilization



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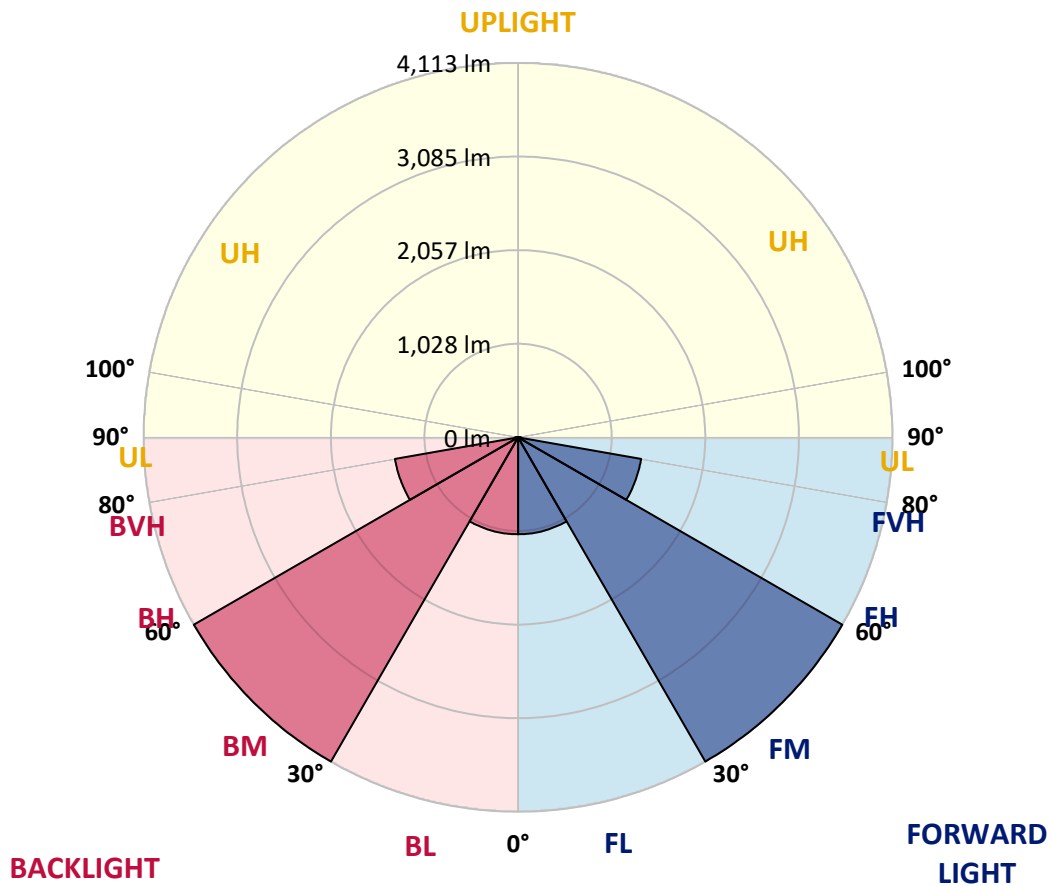
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1064.8	8.1			
FM (30°-60°)	4113.0	31.2			
FH (60°-80°)	1373.0	10.4			G1/1800
FVH (80°-90°)	34.8	0.3			G1/100
BL (0°-30°)	1064.8	8.1	B3/2500		
BM (30°-60°)	4113.0	31.2	B3/5000		
BH (60°-80°)	1373.0	10.4	B3/2500		G1/1800
BVH (80°-90°)	34.8	0.3			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°	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0	2407.0
2.5°	2390.2	2392.5	2397.0	2400.3	2404.8	2409.3	2411.5	2407.0	2404.8	2395.8	2405.9
5°	2392.5	2394.7	2398.1	2398.1	2399.2	2402.5	2402.5	2397.0	2391.4	2381.3	2392.5
7.5°	2389.1	2391.4	2392.5	2391.4	2392.5	2393.6	2391.4	2384.7	2379.1	2370.1	2379.1
10°	2383.5	2385.8	2388.0	2385.8	2383.5	2386.9	2386.9	2382.4	2379.1	2370.1	2380.2
12.5°	2395.8	2399.2	2400.3	2394.7	2392.5	2393.6	2393.6	2389.1	2389.1	2381.3	2392.5
15°	2424.9	2427.1	2423.8	2417.1	2418.2	2421.6	2413.7	2402.5	2400.3	2397.0	2405.9
17.5°	2447.3	2449.5	2446.1	2441.7	2449.5	2457.3	2442.8	2421.6	2414.8	2412.6	2422.7
20°	2471.9	2475.2	2470.7	2476.3	2492.0	2500.9	2483.0	2454.0	2440.6	2437.2	2449.5
22.5°	2512.1	2516.6	2516.6	2528.9	2552.4	2566.9	2544.5	2505.4	2485.3	2479.7	2492.0
25°	2575.8	2579.2	2582.5	2607.1	2645.1	2665.3	2629.5	2575.8	2547.9	2538.9	2545.6
27.5°	2664.2	2669.7	2675.3	2711.1	2758.1	2787.1	2735.7	2668.6	2634.0	2616.1	2629.5
30°	2769.2	2777.1	2790.5	2830.7	2896.7	2929.1	2863.2	2781.5	2742.4	2723.4	2741.3
32.5°	2912.3	2913.5	2923.5	2968.2	3055.4	3092.3	3009.6	2919.1	2878.8	2856.4	2866.5
35°	3082.3	3083.4	3067.7	3113.6	3207.5	3248.9	3151.6	3059.9	3026.4	3019.7	3045.4
37.5°	3256.7	3246.6	3231.0	3251.1	3346.1	3373.0	3270.1	3191.8	3177.3	3189.6	3227.6
40°	3380.8	3364.0	3332.7	3347.2	3443.4	3474.7	3365.1	3291.3	3286.9	3317.1	3362.9
42.5°	3461.3	3443.4	3406.5	3406.5	3472.5	3485.9	3400.9	3361.8	3371.8	3406.5	3450.1
45°	3500.4	3490.3	3469.1	3457.9	3494.8	3500.4	3435.6	3419.9	3438.9	3455.7	3489.2
47.5°	3530.6	3530.6	3523.9	3512.7	3529.5	3532.8	3484.8	3480.3	3504.9	3504.9	3527.2
50°	3584.3	3589.8	3598.8	3596.6	3614.4	3625.6	3589.8	3583.1	3593.2	3560.8	3572.0
52.5°	3725.1	3739.7	3765.4	3785.5	3831.3	3866.0	3802.3	3748.6	3696.1	3624.5	3626.7
55°	3977.8	3984.5	4034.8	4094.1	4171.2	4241.6	4110.8	3944.2	3830.2	3746.4	3747.5
57.5°	4191.3	4201.4	4275.2	4399.3	4572.6	4682.1	4392.6	4114.2	3953.2	3850.3	3853.7
60°	4006.9	3993.4	4133.2	4345.6	4659.8	4799.5	4372.4	3992.3	3760.9	3633.4	3642.4
62.5°	3100.2	3074.5	3229.9	3452.3	3829.1	3968.8	3575.3	3210.8	2991.7	2892.2	2877.7
65°	1887.2	1863.7	1975.5	2111.9	2366.8	2455.1	2275.1	2081.7	1890.5	1830.1	1813.4
67.5°	1027.4	1024.1	1054.3	1121.3	1233.1	1274.5	1239.8	1148.2	1099.0	1056.5	1056.5
70°	815.0	808.3	802.7	803.8	813.9	819.5	820.6	816.1	821.7	822.8	818.4
72.5°	675.3	673.0	661.8	663.0	658.5	656.3	664.1	668.6	677.5	678.6	678.6
75°	489.7	484.1	489.7	490.8	486.3	486.3	491.9	490.8	495.3	497.5	485.2
77.5°	278.4	278.4	286.2	295.1	301.9	301.9	307.4	307.4	313.0	311.9	309.7
80°	153.2	153.2	157.6	163.2	169.9	176.6	182.2	183.3	186.7	185.6	182.2
82.5°	87.2	88.3	90.6	93.9	100.6	106.2	111.8	112.9	116.3	116.3	112.9
85°	41.4	40.2	41.4	43.6	47.0	51.4	57.0	60.4	62.6	62.6	60.4
87.5°	7.8	8.9	7.8	8.9	10.1	13.4	15.7	17.9	21.2	22.4	20.1
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)