

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: P641976

Luminaire Tested: GWS-SA6C-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 14717.8 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

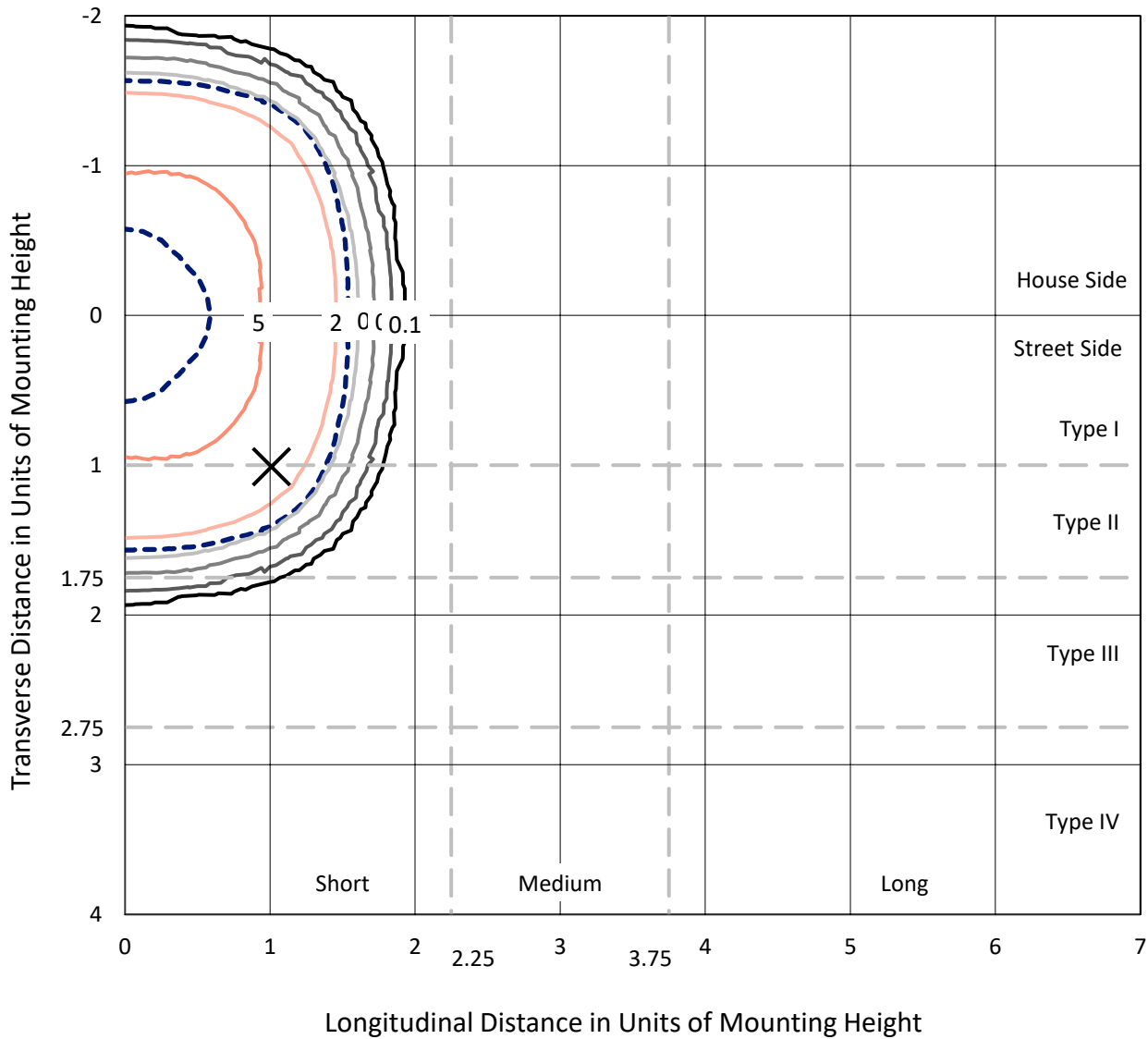
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

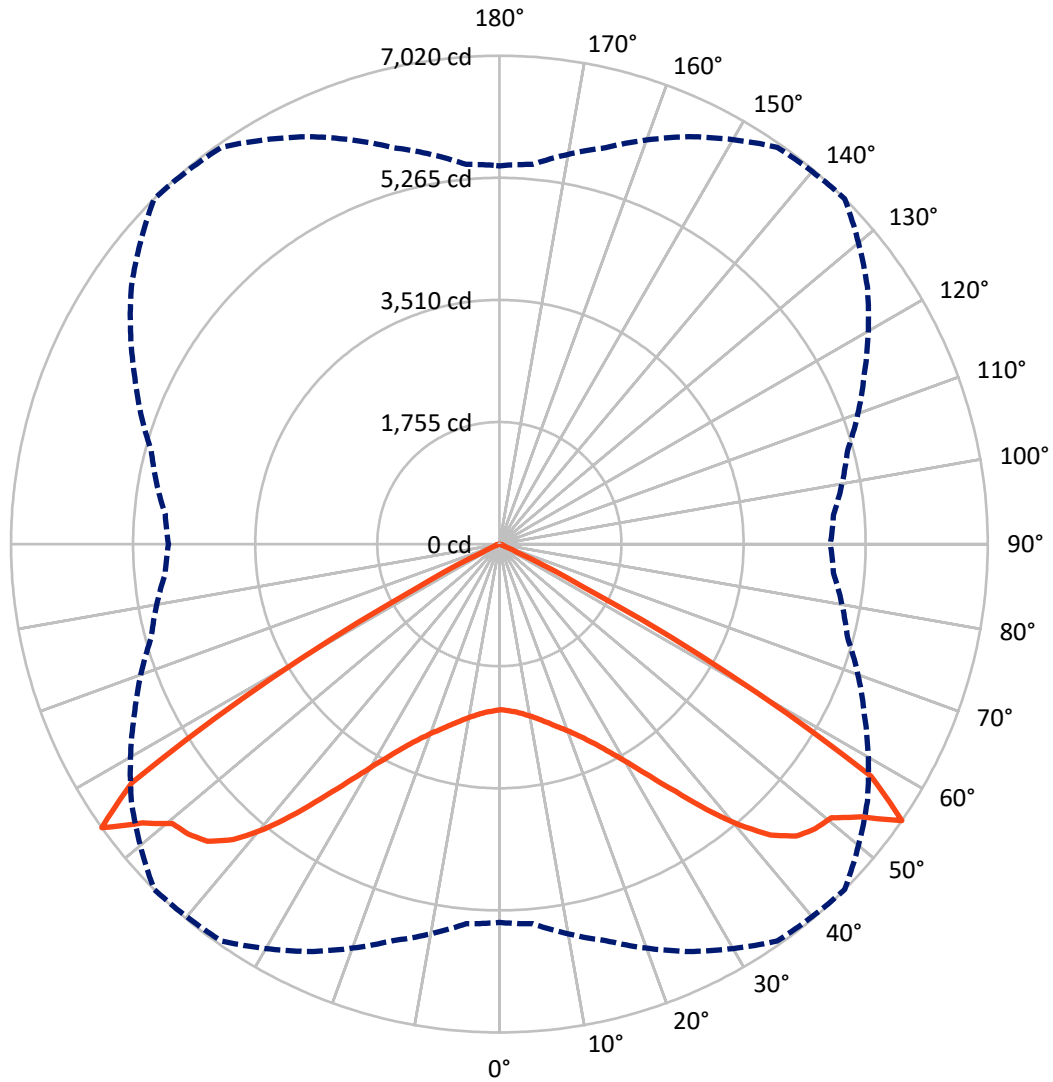
✕ Max cd
 - - - 1/2 Max cd



Based on 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 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7358.9	0.0	7358.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7358.9	0.0	7358.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14717.8	0.0	14717.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.2	1.6
10°-20°	755.7	5.1
20°-30°	1463.6	9.9
30°-40°	2622.2	17.8
40°-50°	4396.2	29.9
50°-60°	4705.9	32.0
60°-70°	517.1	3.5
70°-80°	22.8	0.2
80°-90°	1.1	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°	14717.8	100.0
0°-180°	14717.8	100.0

Coefficient of Utilization



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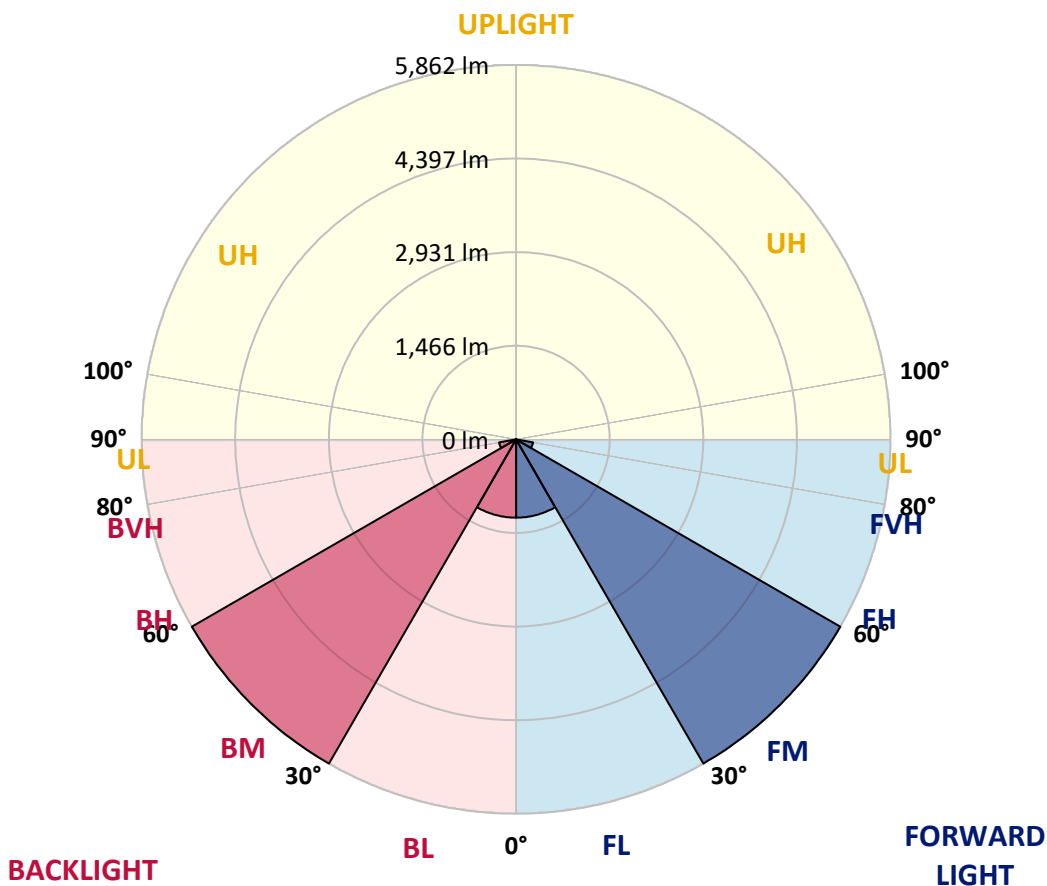
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1226.3	8.3			
FM (30°-60°)	5862.2	39.8			
FH (60°-80°)	270.0	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1226.3	8.3	B3/2500		
BM (30°-60°)	5862.2	39.8	B4/8500		
BH (60°-80°)	270.0	1.8	B1/500		G0/660
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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6
2.5°	2375.1	2375.1	2381.1	2385.6	2385.6	2397.6	2393.1	2388.6	2388.6	2382.6	2394.6
5°	2409.6	2408.1	2414.1	2417.1	2411.1	2423.1	2415.6	2411.1	2408.1	2402.1	2414.1
7.5°	2447.1	2448.6	2450.1	2456.1	2453.1	2465.1	2459.1	2450.1	2447.1	2438.1	2450.1
10°	2492.0	2492.0	2495.0	2502.5	2504.0	2519.0	2513.0	2502.5	2493.5	2484.5	2496.5
12.5°	2549.0	2550.5	2555.0	2565.5	2571.5	2588.0	2579.0	2558.0	2544.5	2534.0	2547.5
15°	2631.5	2630.0	2636.0	2651.0	2658.5	2670.5	2657.0	2628.5	2612.0	2600.0	2609.0
17.5°	2721.5	2721.5	2724.5	2739.4	2749.9	2767.9	2751.4	2717.0	2702.0	2685.5	2694.5
20°	2820.4	2824.9	2827.9	2838.4	2856.4	2874.4	2860.9	2826.4	2809.9	2788.9	2799.4
22.5°	2950.9	2946.4	2947.9	2965.9	2991.3	3009.3	2998.8	2958.4	2929.9	2913.4	2919.4
25°	3096.3	3094.8	3099.3	3126.3	3154.8	3174.3	3159.3	3106.8	3078.3	3049.8	3061.8
27.5°	3274.7	3276.2	3279.2	3312.2	3357.2	3385.7	3348.2	3295.7	3256.7	3219.3	3228.3
30°	3486.2	3483.2	3492.2	3537.1	3603.1	3648.1	3604.6	3531.1	3475.7	3439.7	3444.2
32.5°	3711.1	3714.1	3738.1	3810.0	3897.0	3976.5	3888.0	3790.5	3718.6	3651.1	3660.1
35°	3954.0	3961.5	4015.5	4121.9	4264.4	4370.8	4247.9	4087.4	3985.5	3898.5	3901.5
37.5°	4240.4	4258.4	4333.3	4492.3	4696.2	4838.6	4658.7	4445.8	4313.8	4205.9	4198.4
40°	4616.7	4637.7	4739.7	4928.6	5176.0	5306.5	5098.0	4879.1	4715.7	4598.7	4580.7
42.5°	5048.6	5075.5	5186.5	5379.9	5627.3	5715.8	5511.9	5327.5	5180.5	5042.6	5036.6
45°	5535.9	5550.9	5640.8	5789.3	5967.7	5988.7	5835.8	5733.8	5585.4	5456.4	5445.9
47.5°	5993.2	6008.2	6069.7	6146.1	6188.1	6113.1	6086.2	6041.2	5849.2	5690.3	5657.3
50°	6341.1	6353.1	6429.5	6459.5	6342.6	6183.6	6236.1	6140.1	5931.7	5753.3	5702.3
52.5°	6317.1	6347.1	6543.5	6714.4	6640.9	6512.0	6371.0	6164.1	5840.3	5595.8	5532.9
55°	5438.4	5478.9	5900.2	6462.5	6964.8	7020.3	6456.5	5789.3	5180.5	4822.1	4757.7
57.5°	3495.2	3505.7	4020.0	4808.7	5940.7	6297.6	5354.4	4364.8	3607.6	3213.3	3186.3
60°	1285.0	1264.0	1652.4	2306.1	3421.7	3799.5	3151.8	2207.2	1574.4	1295.5	1273.0
62.5°	308.9	311.9	386.9	580.3	1073.6	1328.5	1049.6	586.3	373.4	313.4	310.4
65°	155.9	152.9	154.4	166.4	229.4	274.4	224.9	158.9	152.9	154.4	152.9
67.5°	100.5	99.0	102.0	103.5	102.0	96.0	94.5	97.5	97.5	99.0	96.0
70°	61.5	60.0	63.0	67.5	64.5	57.0	60.0	63.0	60.0	58.5	58.5
72.5°	33.0	33.0	36.0	39.0	36.0	33.0	33.0	34.5	33.0	33.0	33.0
75°	15.0	15.0	16.5	18.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
77.5°	4.5	4.5	6.0	6.0	4.5	4.5	4.5	4.5	6.0	6.0	6.0
80°	1.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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)