

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: P641978

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
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
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21860.8 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

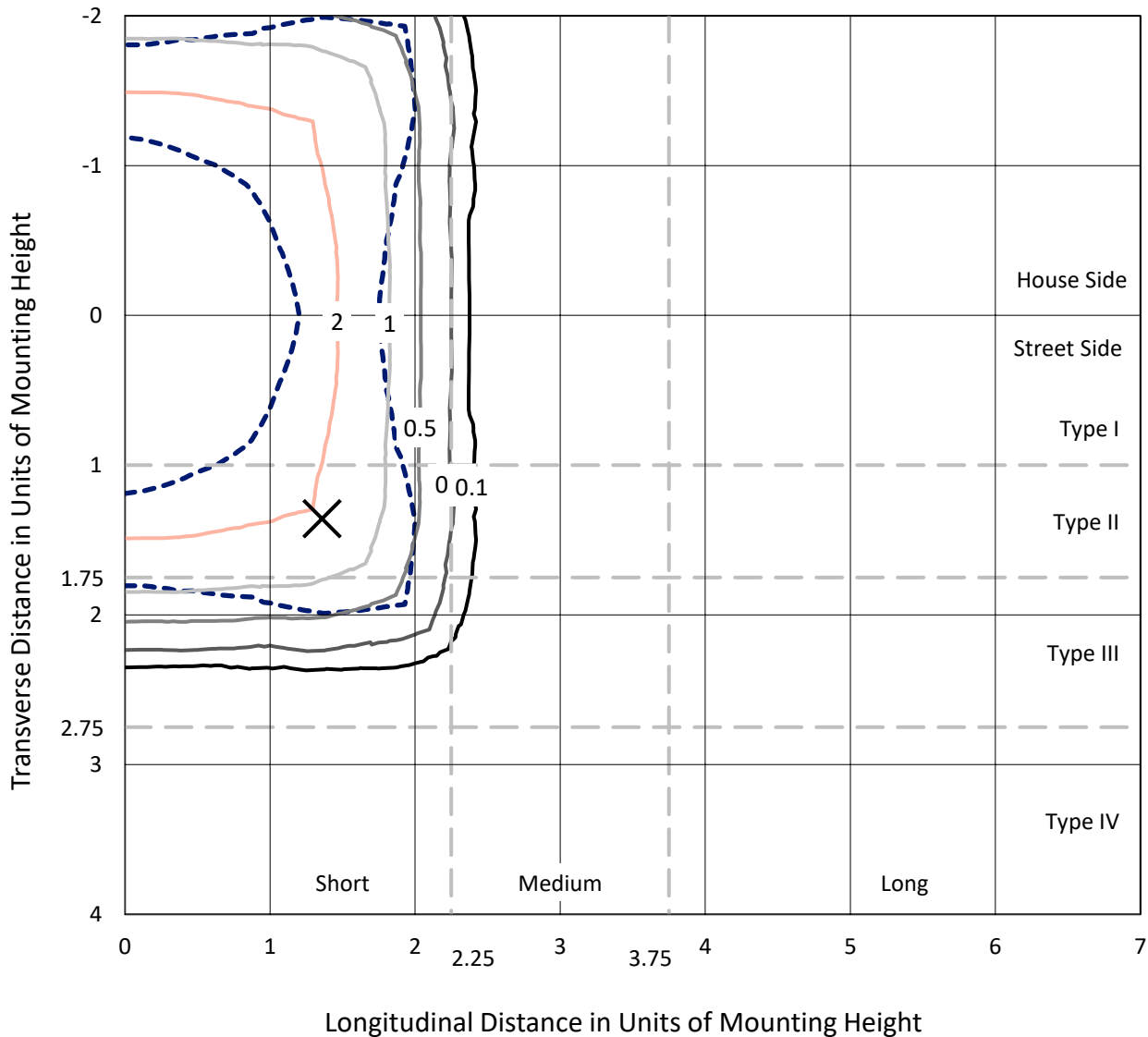
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

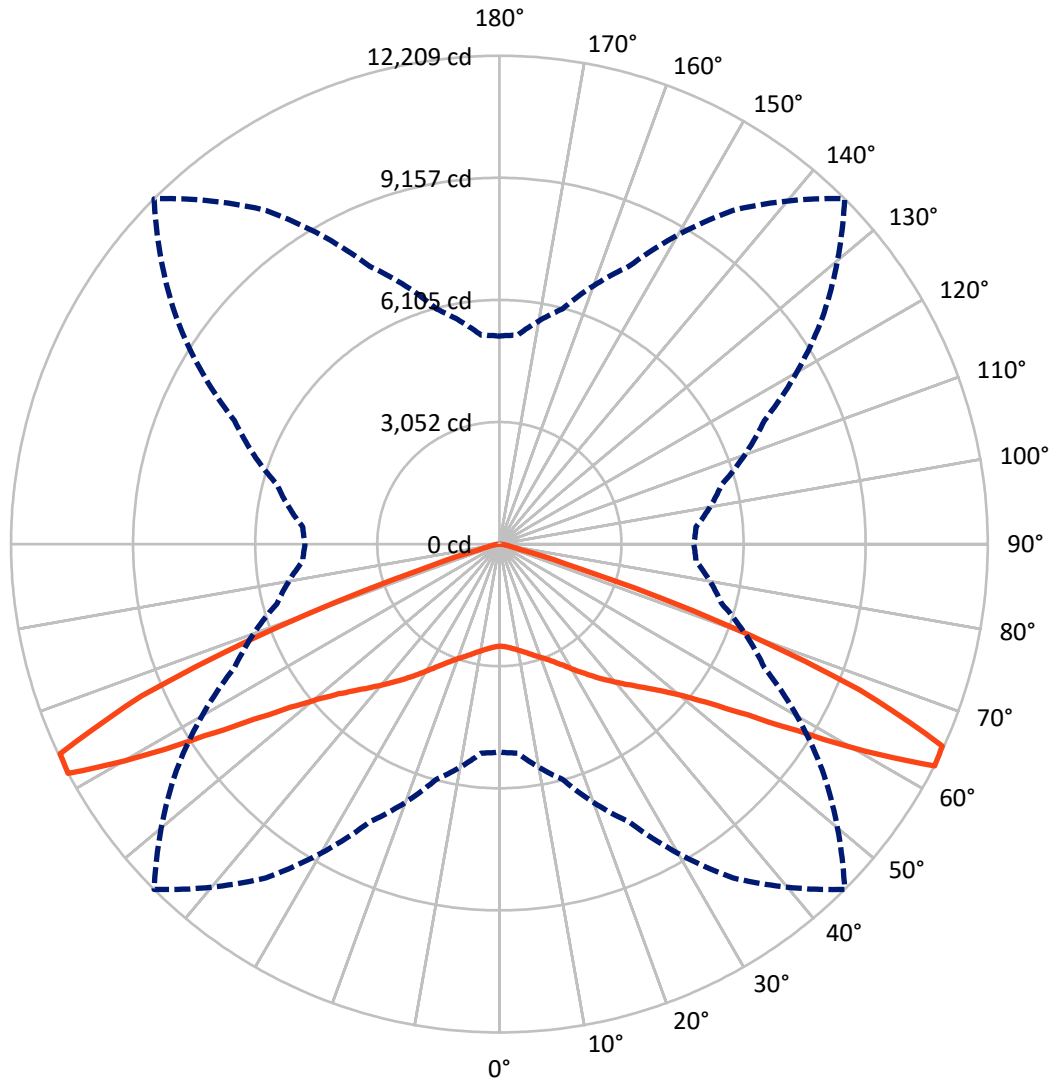
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10930.4	0.0	10930.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10930.4	0.0	10930.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21860.8	0.0	21860.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	1.1
10°-20°	806.9	3.7
20°-30°	1526.6	7.0
30°-40°	2569.5	11.8
40°-50°	4105.3	18.8
50°-60°	6617.6	30.3
60°-70°	5399.2	24.7
70°-80°	524.3	2.4
80°-90°	61.0	0.3
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°	21860.8	100.0
0°-180°	21860.8	100.0

Coefficient of Utilization



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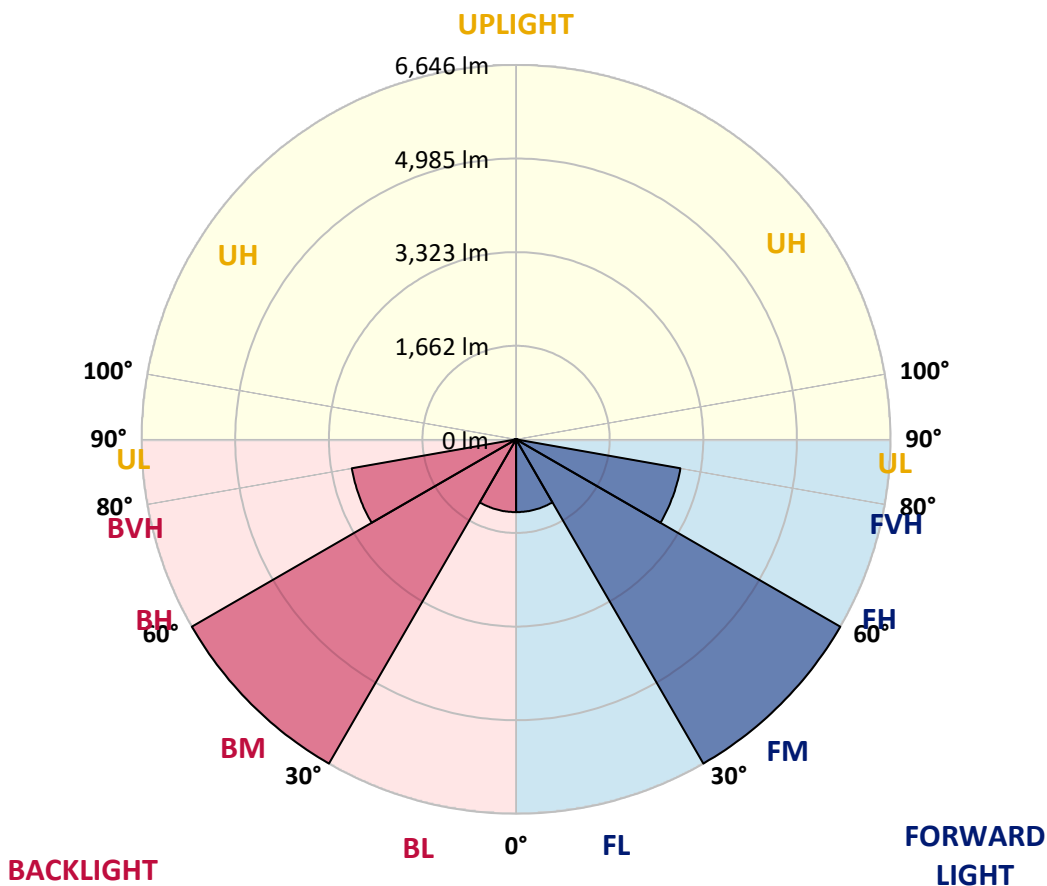
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1291.9	5.9			
FM (30°-60°)	6646.2	30.4			
FH (60°-80°)	2961.8	13.5			G2/5000
FVH (80°-90°)	30.5	0.1			G1/100
BL (0°-30°)	1291.9	5.9	B3/2500		
BM (30°-60°)	6646.2	30.4	B4/8500		
BH (60°-80°)	2961.8	13.5	B4/5000		G2/5000
BVH (80°-90°)	30.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2550.4	2550.4	2550.4	2550.4	2550.4	2550.4	2550.4	2550.4	2550.4	2550.4	2550.4
2.5°	2547.4	2547.4	2553.4	2557.9	2554.9	2566.8	2565.4	2562.4	2560.9	2556.4	2569.8
5°	2581.8	2581.8	2586.3	2590.8	2583.3	2598.3	2592.3	2589.3	2587.8	2581.8	2593.8
7.5°	2620.8	2625.3	2626.8	2634.3	2629.8	2646.3	2641.8	2635.8	2632.8	2625.3	2635.8
10°	2664.3	2667.3	2668.8	2682.3	2683.8	2703.3	2698.8	2691.3	2685.3	2677.8	2692.8
12.5°	2722.8	2724.3	2728.8	2745.3	2749.8	2764.8	2763.3	2752.8	2745.3	2734.8	2751.3
15°	2797.7	2799.2	2806.7	2823.2	2830.7	2848.7	2842.7	2826.2	2815.7	2803.7	2817.2
17.5°	2875.7	2881.7	2889.2	2905.7	2916.2	2937.2	2929.7	2911.7	2902.7	2890.7	2899.7
20°	2976.2	2977.7	2982.2	3000.2	3007.7	3031.6	3033.1	3015.1	3010.7	2998.7	3012.2
22.5°	3087.1	3088.6	3093.1	3112.6	3126.1	3141.1	3150.1	3139.6	3132.1	3117.1	3133.6
25°	3210.1	3225.1	3229.6	3253.5	3268.5	3277.5	3288.0	3283.5	3273.0	3255.0	3262.5
27.5°	3382.5	3385.5	3393.0	3420.0	3429.0	3438.0	3448.5	3450.0	3435.0	3414.0	3424.5
30°	3578.9	3577.4	3593.9	3614.9	3622.4	3629.9	3644.9	3653.9	3634.4	3611.9	3622.4
32.5°	3779.8	3797.8	3818.8	3838.3	3833.8	3836.8	3860.8	3877.3	3850.3	3809.8	3818.8
35°	4006.2	4018.2	4045.2	4073.7	4067.7	4063.2	4078.2	4094.7	4057.2	4004.7	4018.2
37.5°	4238.6	4256.6	4297.1	4331.6	4322.6	4301.6	4318.1	4336.1	4300.1	4240.1	4234.1
40°	4498.0	4526.5	4584.9	4613.4	4589.4	4549.0	4577.4	4620.9	4584.9	4516.0	4499.5
42.5°	4802.3	4836.8	4895.3	4938.8	4886.3	4820.3	4868.3	4931.3	4922.3	4830.8	4802.3
45°	5178.7	5201.2	5273.1	5294.1	5216.2	5124.7	5211.7	5307.6	5285.1	5186.2	5148.7
47.5°	5588.0	5622.5	5685.5	5724.4	5598.5	5484.5	5606.0	5734.9	5710.9	5618.0	5574.5
50°	6109.8	6154.7	6237.2	6270.2	6096.3	5965.8	6121.8	6285.2	6238.7	6114.3	6057.3
52.5°	6678.0	6714.0	6854.9	6920.9	6757.5	6616.5	6753.0	6913.4	6814.4	6649.5	6573.1
55°	7178.8	7214.8	7421.7	7640.6	7633.1	7535.6	7604.6	7607.6	7339.2	7066.3	6985.4
57.5°	7286.7	7322.7	7717.0	8289.8	8694.6	8807.1	8604.6	8178.8	7502.6	7024.4	6932.9
60°	6711.0	6751.5	7378.2	8424.7	9756.1	10507.3	9574.7	8166.8	6997.4	6349.7	6262.7
62.5°	5199.7	5243.2	6085.8	7657.1	10184.9	12209.0	9856.6	7307.7	5755.9	4935.8	4859.3
65°	2482.9	2482.9	3553.4	5492.0	9330.3	12168.5	9040.9	5406.6	3464.9	2661.3	2595.3
67.5°	614.7	617.7	914.6	2138.0	6346.7	9711.1	6450.1	2595.3	1220.5	863.6	841.1
70°	383.8	382.3	424.3	578.7	2220.5	5893.9	2637.3	782.6	496.3	437.8	434.8
72.5°	298.4	298.4	319.4	370.3	581.7	2007.6	769.2	434.8	359.8	323.9	323.9
75°	235.4	235.4	250.4	277.4	343.3	517.3	409.3	322.4	278.9	254.9	251.9
77.5°	175.4	178.4	190.4	208.4	233.9	290.9	259.4	242.9	217.4	199.4	193.4
80°	113.9	118.4	133.4	143.9	152.9	191.9	169.4	176.9	164.9	143.9	140.9
82.5°	61.5	63.0	81.0	84.0	87.0	105.0	108.0	112.4	116.9	91.5	85.5
85°	22.5	22.5	27.0	31.5	34.5	37.5	51.0	63.0	66.0	52.5	51.0
87.5°	4.5	4.5	4.5	3.0	3.0	3.0	9.0	16.5	27.0	21.0	21.0
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)