

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: P641482

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 14138.3 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

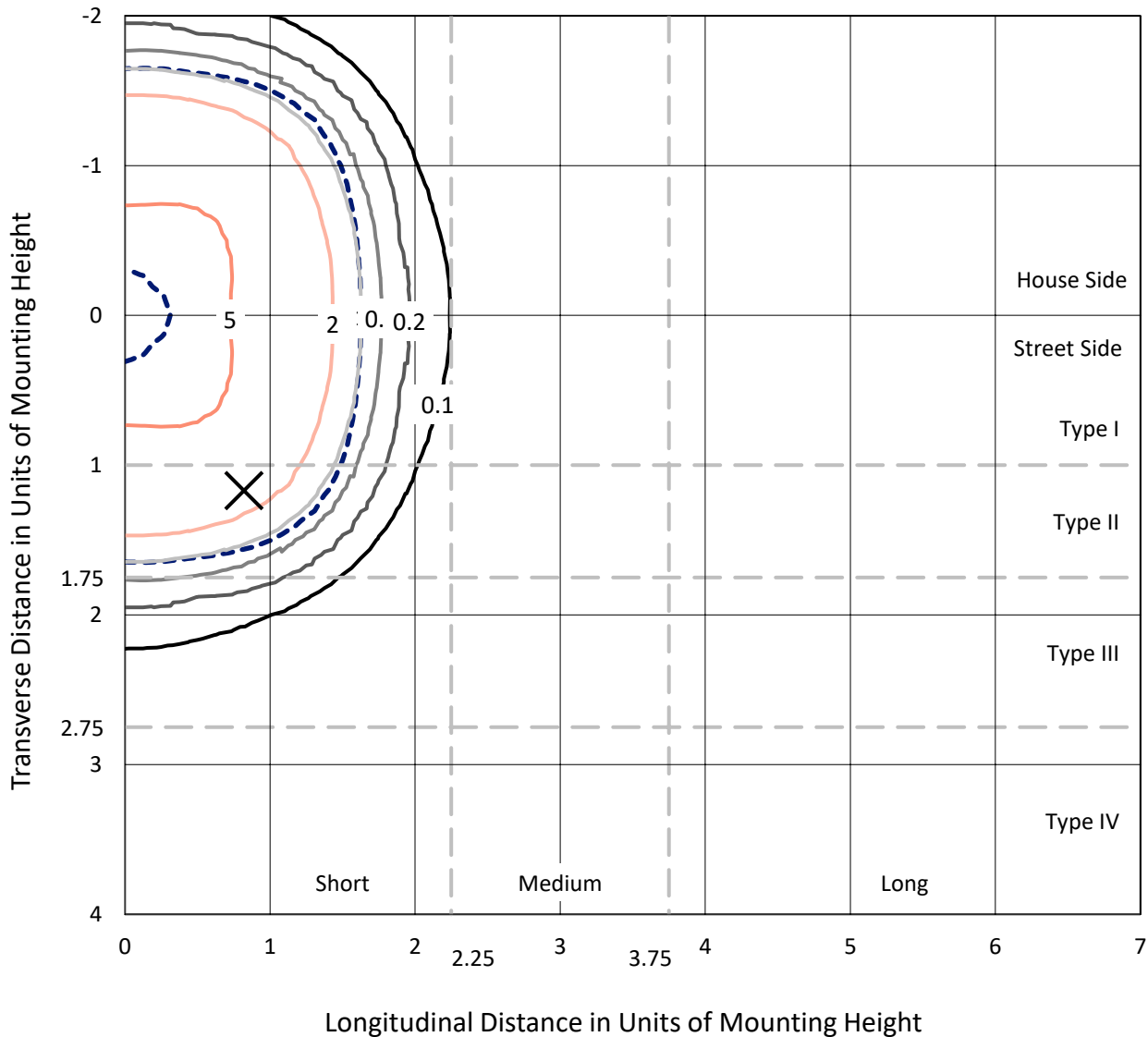
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641482
 CATALOG NUMBER: GWS-SA6B-722-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

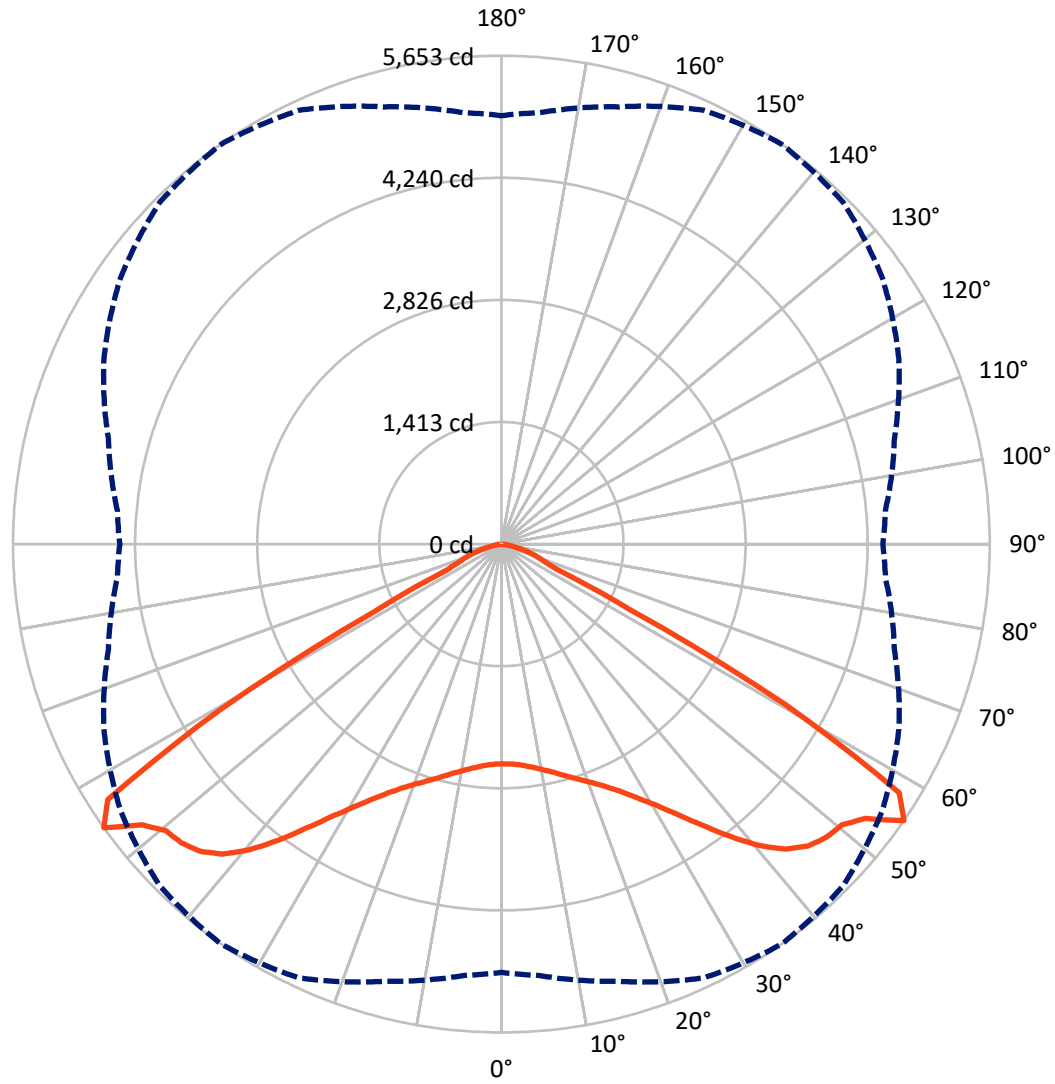
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

REPORT NUMBER: P641482
CATALOG NUMBER: GWS-SA6B-722-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P641482

CATALOG NUMBER: GWS-SA6B-722-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7069.2	0.0	7069.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7069.2	0.0	7069.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14138.3	0.0	14138.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.1	1.8
10°-20°	789.9	5.6
20°-30°	1461.9	10.3
30°-40°	2445.4	17.3
40°-50°	3726.4	26.4
50°-60°	4174.4	29.5
60°-70°	987.7	7.0
70°-80°	266.3	1.9
80°-90°	38.3	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°	14138.3	100.0
0°-180°	14138.3	100.0

Coefficient of Utilization



REPORT NUMBER: P641482

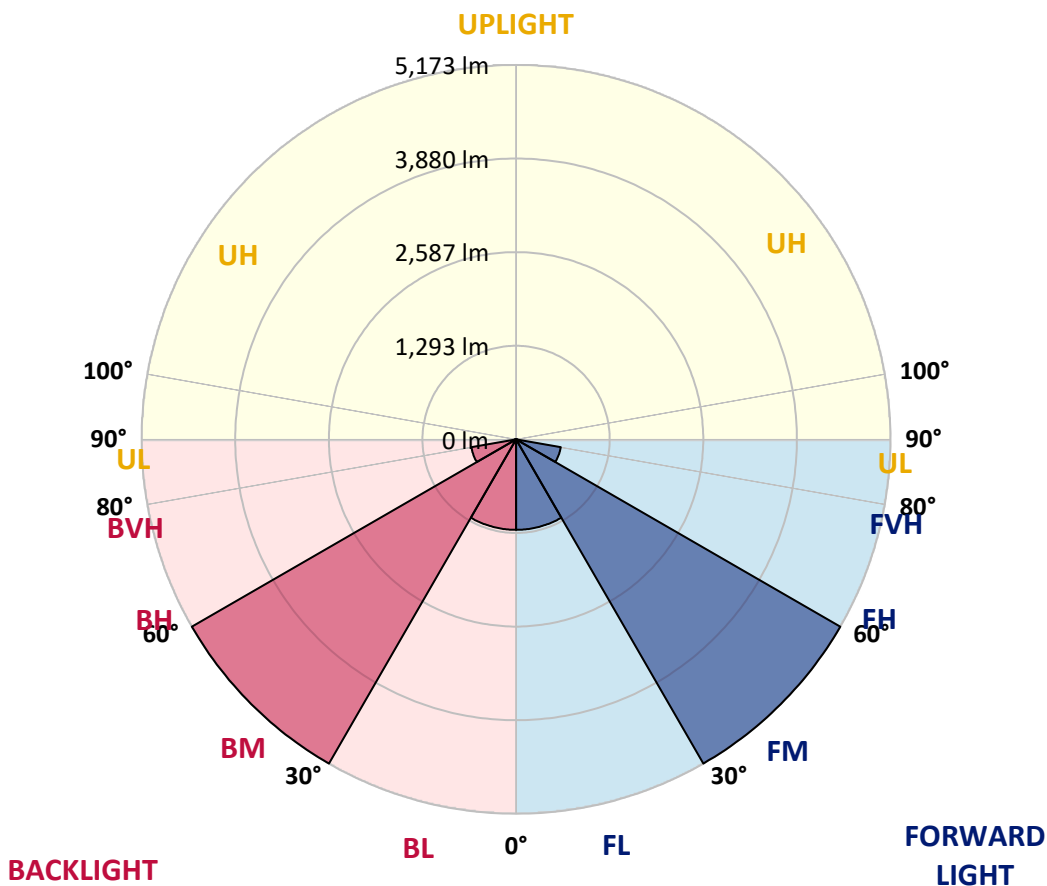
CATALOG NUMBER: GWS-SA6B-722-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1249.9	8.8			
FM (30°-60°)	5173.1	36.6			
FH (60°-80°)	627.0	4.4			G0/660
FVH (80°-90°)	19.2	0.1			G1/100
BL (0°-30°)	1249.9	8.8	B3/2500		
BM (30°-60°)	5173.1	36.6	B4/8500		
BH (60°-80°)	627.0	4.4	B2/1000		G0/660
BVH (80°-90°)	19.2	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-G1

Type V Short





REPORT NUMBER: P641482

CATALOG NUMBER: GWS-SA6B-722-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2543.5	2543.5	2543.5	2543.5	2543.5	2543.5	2543.5	2543.5	2543.5	2543.5	2543.5
2.5°	2537.9	2537.9	2542.4	2548.0	2549.1	2560.3	2558.1	2553.6	2551.3	2546.9	2556.9
5°	2565.9	2567.0	2570.4	2573.7	2571.5	2580.4	2577.1	2571.5	2568.1	2562.5	2572.6
7.5°	2602.8	2602.8	2606.1	2610.6	2608.4	2621.8	2615.1	2607.2	2601.7	2594.9	2603.9
10°	2636.3	2638.6	2641.9	2650.8	2655.3	2669.9	2665.4	2654.2	2645.3	2637.4	2647.5
12.5°	2686.6	2688.9	2692.2	2704.5	2712.3	2726.9	2720.2	2704.5	2691.1	2679.9	2691.1
15°	2751.5	2749.2	2758.2	2773.8	2783.9	2797.3	2789.5	2762.7	2744.8	2730.2	2741.4
17.5°	2817.4	2816.3	2825.3	2845.4	2859.9	2877.8	2864.4	2833.1	2814.1	2796.2	2807.4
20°	2889.0	2892.3	2901.3	2920.3	2941.5	2965.0	2953.8	2920.3	2899.1	2878.9	2887.9
22.5°	2977.3	2978.4	2988.5	3013.1	3041.0	3063.4	3056.7	3015.3	2988.5	2967.3	2978.4
25°	3083.5	3082.4	3095.8	3124.9	3164.0	3186.4	3171.9	3126.0	3096.9	3072.3	3081.3
27.5°	3205.4	3204.3	3224.4	3262.4	3318.3	3349.6	3319.4	3262.4	3222.2	3187.5	3195.3
30°	3358.6	3355.2	3377.6	3429.0	3501.7	3554.2	3509.5	3430.1	3377.6	3340.7	3348.5
32.5°	3528.5	3533.0	3560.9	3630.2	3721.9	3790.1	3723.0	3634.7	3564.3	3510.6	3519.6
35°	3715.2	3715.2	3772.2	3858.3	3989.1	4079.7	3975.7	3848.3	3754.3	3680.6	3682.8
37.5°	3923.2	3925.4	4000.3	4118.8	4289.9	4396.1	4255.2	4097.6	3983.5	3904.2	3899.7
40°	4177.0	4183.7	4260.8	4392.7	4585.0	4682.3	4531.4	4377.1	4260.8	4166.9	4158.0
42.5°	4463.2	4465.4	4547.0	4665.5	4827.7	4885.8	4767.3	4640.9	4545.9	4460.9	4452.0
45°	4736.0	4730.4	4800.8	4889.1	4983.1	4988.6	4922.7	4871.3	4788.5	4715.9	4702.4
47.5°	4948.4	4943.9	5007.7	5055.7	5066.9	5012.1	5033.4	5041.2	4945.0	4846.7	4820.9
50°	5078.1	5087.0	5147.4	5174.2	5108.3	5018.8	5099.3	5079.2	4941.7	4813.1	4771.8
52.5°	5156.4	5169.8	5274.9	5343.1	5274.9	5189.9	5201.1	5082.6	4884.7	4714.7	4661.1
55°	4958.5	5012.1	5239.1	5541.0	5652.8	5593.5	5381.1	5075.9	4709.1	4462.1	4416.2
57.5°	3675.0	3759.9	4096.5	4750.5	5430.3	5646.1	5025.5	4255.2	3699.6	3382.0	3355.2
60°	1876.1	1971.1	2240.5	2912.5	3786.8	4090.9	3500.6	2724.6	2165.6	1908.5	1879.4
62.5°	765.9	781.5	869.8	1129.2	1673.7	1930.8	1696.1	1190.7	894.4	824.0	825.1
65°	602.6	606.0	601.5	617.2	701.0	778.1	718.9	631.7	616.0	623.9	618.3
67.5°	525.5	526.6	523.2	523.2	526.6	523.2	529.9	533.3	535.5	544.5	538.9
70°	439.4	440.5	440.5	442.7	441.6	436.0	446.1	450.6	451.7	457.3	453.9
72.5°	339.9	343.2	345.5	346.6	345.5	342.1	347.7	355.5	354.4	360.0	354.4
75°	230.3	234.8	237.0	241.5	240.4	240.4	247.1	250.4	247.1	251.6	247.1
77.5°	130.8	134.2	140.9	145.3	149.8	153.2	157.6	159.9	158.8	161.0	158.8
80°	76.0	77.1	82.7	85.0	90.6	96.2	100.6	102.9	104.0	105.1	104.0
82.5°	43.6	44.7	47.0	49.2	53.7	58.1	62.6	66.0	66.0	67.1	66.0
85°	21.2	21.2	22.4	23.5	25.7	29.1	32.4	35.8	36.9	36.9	36.9
87.5°	3.4	3.4	4.5	4.5	5.6	6.7	8.9	11.2	12.3	12.3	12.3
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)