

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: P638015

Luminaire Tested: GWS-SA4E-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4E-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23344.1 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

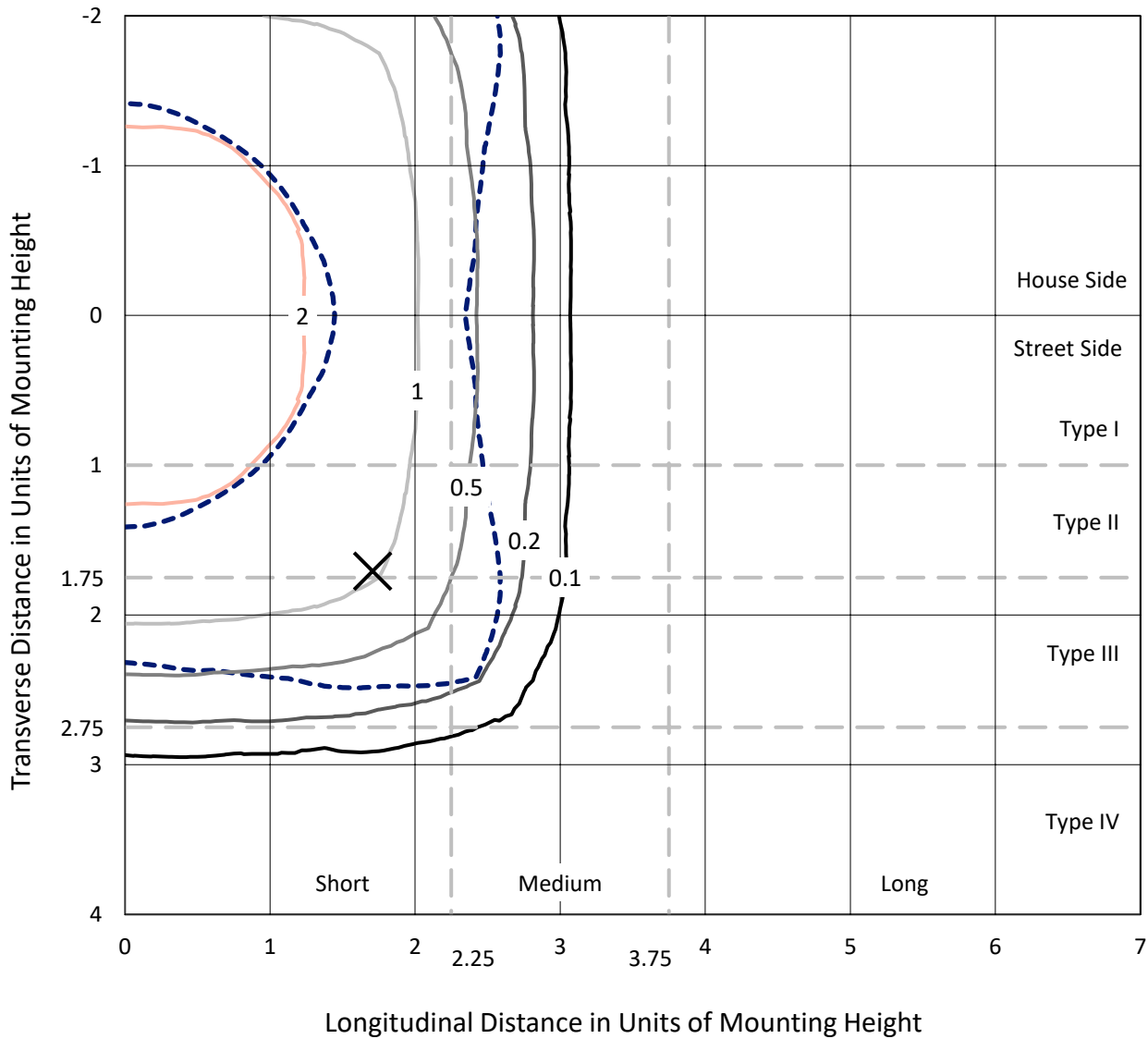
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P638015
 CATALOG NUMBER: GWS-SA4E-722-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

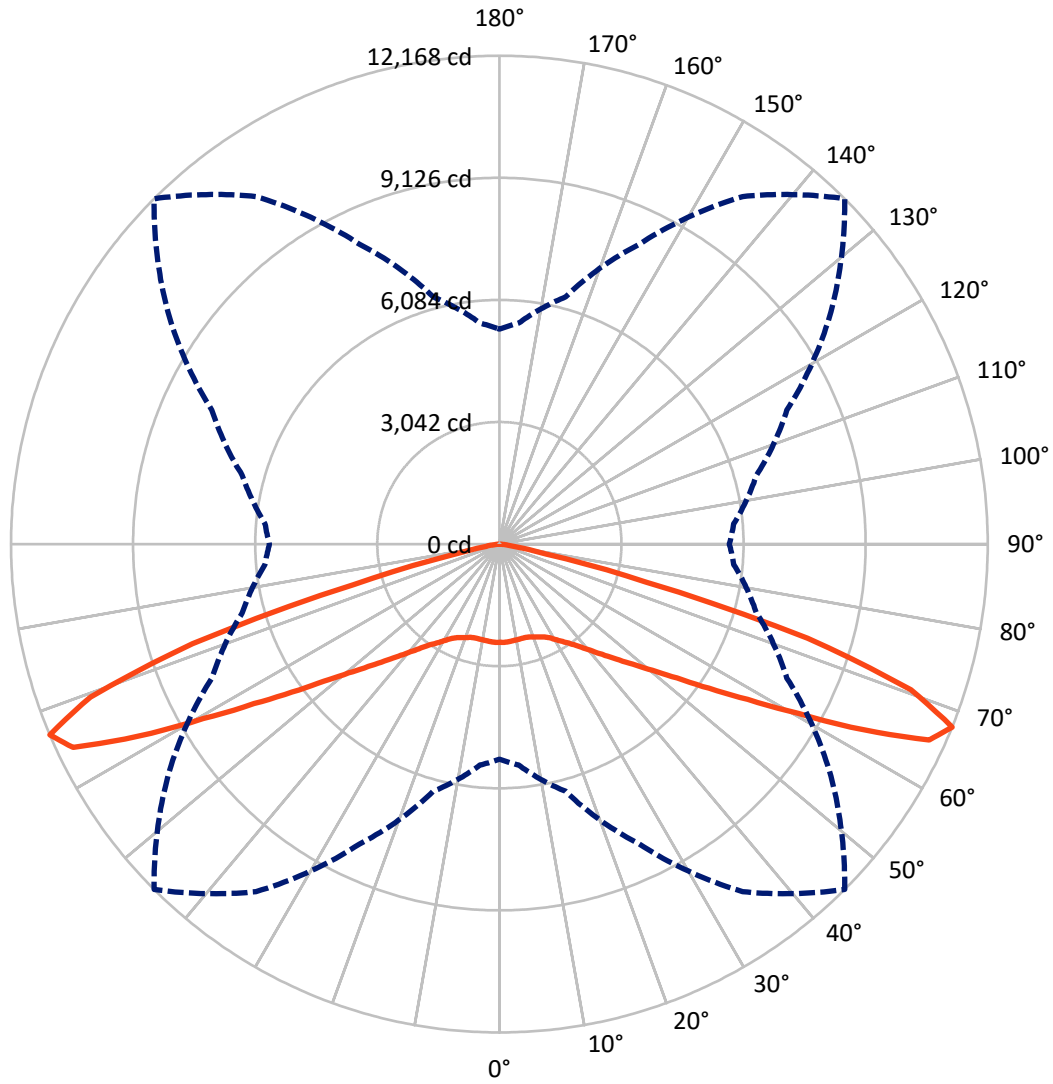
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

REPORT NUMBER: P638015
CATALOG NUMBER: GWS-SA4E-722-U-5MQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P638015

CATALOG NUMBER: GWS-SA4E-722-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11672.0	0.0	11672.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11672.0	0.0	11672.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23344.1	0.0	23344.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	1.0
10°-20°	679.6	2.9
20°-30°	1172.2	5.0
30°-40°	1906.0	8.2
40°-50°	3209.4	13.7
50°-60°	5686.4	24.4
60°-70°	8128.3	34.8
70°-80°	2230.9	9.6
80°-90°	99.9	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°	23344.1	100.0
0°-180°	23344.1	100.0

Coefficient of Utilization



REPORT NUMBER: P638015

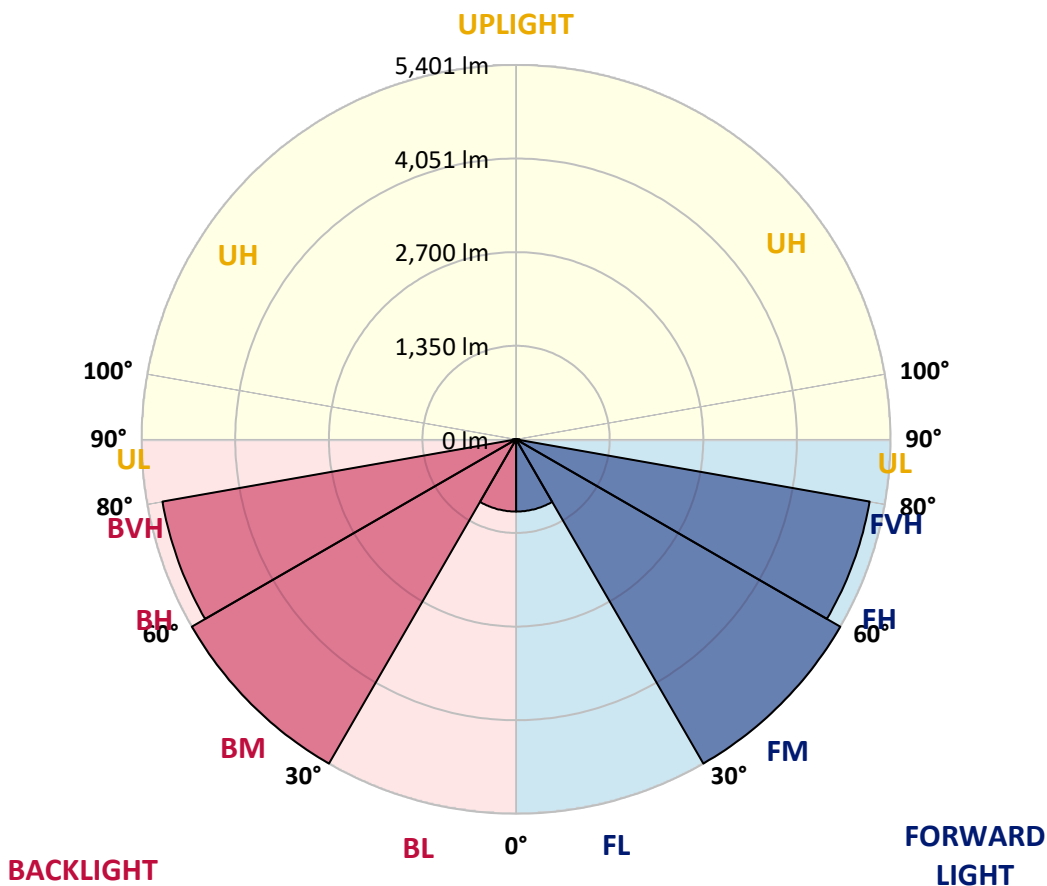
CATALOG NUMBER: GWS-SA4E-722-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.6	4.5			
FM (30°-60°)	5400.9	23.1			
FH (60°-80°)	5179.6	22.2			G3/7500
FVH (80°-90°)	50.0	0.2			G1/100
BL (0°-30°)	1041.6	4.5	B3/2500		
BM (30°-60°)	5400.9	23.1	B4/8500		
BH (60°-80°)	5179.6	22.2	B5		G3/7500
BVH (80°-90°)	50.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P638015
 CATALOG NUMBER: GWS-SA4E-722-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2444.9	2444.9	2444.9	2444.9	2444.9	2444.9	2444.9	2444.9	2444.9	2444.9	2444.9
2.5°	2428.7	2427.1	2435.2	2440.0	2438.4	2449.7	2448.1	2444.9	2444.9	2440.0	2453.0
5°	2428.7	2427.1	2433.6	2435.2	2432.0	2441.7	2438.4	2435.2	2435.2	2428.7	2440.0
7.5°	2415.8	2417.4	2422.3	2425.5	2422.3	2430.3	2425.5	2419.0	2417.4	2410.9	2422.3
10°	2391.6	2393.2	2398.0	2406.1	2407.7	2422.3	2414.2	2402.9	2398.0	2391.6	2402.9
12.5°	2377.0	2378.6	2383.5	2393.2	2396.4	2415.8	2407.7	2389.9	2381.9	2375.4	2386.7
15°	2373.8	2375.4	2381.9	2391.6	2396.4	2415.8	2407.7	2386.7	2375.4	2367.3	2377.0
17.5°	2373.8	2377.0	2386.7	2401.3	2410.9	2430.3	2420.6	2396.4	2380.2	2365.7	2375.4
20°	2375.4	2380.2	2394.8	2415.8	2440.0	2467.5	2454.6	2422.3	2399.6	2381.9	2388.3
22.5°	2389.9	2398.0	2415.8	2443.3	2478.8	2511.1	2499.8	2456.2	2423.9	2399.6	2406.1
25°	2440.0	2443.3	2465.9	2501.4	2535.4	2562.8	2551.5	2511.1	2470.7	2441.7	2449.7
27.5°	2528.9	2537.0	2556.4	2593.5	2622.6	2637.2	2635.6	2608.1	2567.7	2541.8	2548.3
30°	2635.6	2643.6	2669.5	2711.5	2740.6	2756.8	2751.9	2730.9	2693.7	2658.2	2664.6
32.5°	2760.0	2763.2	2793.9	2840.8	2871.5	2895.7	2879.6	2856.9	2810.1	2768.1	2771.3
35°	2918.3	2923.2	2955.5	2999.1	3023.4	3042.8	3039.5	3016.9	2966.8	2921.6	2932.9
37.5°	3117.1	3120.3	3149.4	3204.4	3223.8	3238.3	3241.5	3230.2	3178.5	3120.3	3131.6
40°	3364.3	3366.0	3398.3	3446.8	3467.8	3477.5	3479.1	3480.7	3427.4	3383.7	3380.5
42.5°	3652.0	3660.1	3705.3	3752.2	3761.9	3757.0	3773.2	3789.3	3737.6	3677.8	3682.7
45°	3996.2	4001.0	4062.4	4114.1	4096.4	4080.2	4110.9	4143.2	4096.4	4018.8	3996.2
47.5°	4403.4	4413.1	4479.3	4531.0	4501.9	4472.9	4523.0	4556.9	4480.9	4398.5	4377.5
50°	4863.9	4870.4	4964.1	5028.7	4994.8	4941.5	5004.5	5040.0	4938.2	4836.4	4791.2
52.5°	5408.5	5395.5	5520.0	5633.1	5612.1	5542.6	5594.3	5600.8	5448.9	5305.1	5259.8
55°	6072.6	6059.7	6184.1	6308.5	6360.3	6342.5	6318.2	6279.5	6054.8	5901.3	5859.3
57.5°	6846.6	6806.2	6980.8	7148.8	7261.9	7294.3	7190.8	7100.3	6922.6	6733.5	6685.1
60°	7565.7	7564.1	7840.4	8131.3	8441.6	8570.8	8309.0	8063.4	7664.3	7320.1	7250.6
62.5°	7767.7	7801.6	8254.1	8974.8	9740.8	10198.1	9508.1	8695.3	7924.5	7405.7	7313.6
65°	7270.0	7354.0	7997.2	9134.8	10647.3	11765.5	10207.8	8709.8	7635.2	6988.8	6891.9
67.5°	5358.4	5526.4	6378.0	8242.8	10569.7	12167.9	10083.3	7903.5	6631.7	5862.5	5728.4
70°	2643.6	2803.6	3479.1	5423.0	8696.9	10876.7	8724.3	5956.3	4479.3	3739.2	3616.4
72.5°	972.8	1037.4	1302.4	2320.5	4799.3	8034.3	5966.0	3327.2	2170.2	1727.4	1645.0
75°	476.7	488.0	528.4	778.9	1771.0	3781.2	2803.6	1276.6	798.3	694.8	672.2
77.5°	303.8	308.6	328.0	371.7	568.8	1190.9	850.0	504.2	391.1	374.9	374.9
80°	169.7	174.5	200.4	231.1	266.6	408.8	305.4	302.2	256.9	224.6	219.8
82.5°	80.8	88.9	127.7	126.0	140.6	205.2	179.4	163.2	164.8	124.4	118.0
85°	37.2	37.2	50.1	59.8	63.0	69.5	82.4	93.7	92.1	63.0	67.9
87.5°	17.8	17.8	17.8	16.2	14.5	12.9	17.8	29.1	42.0	29.1	27.5
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)