

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: P640991

Luminaire Tested: GWS-SA5F-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31168.6 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

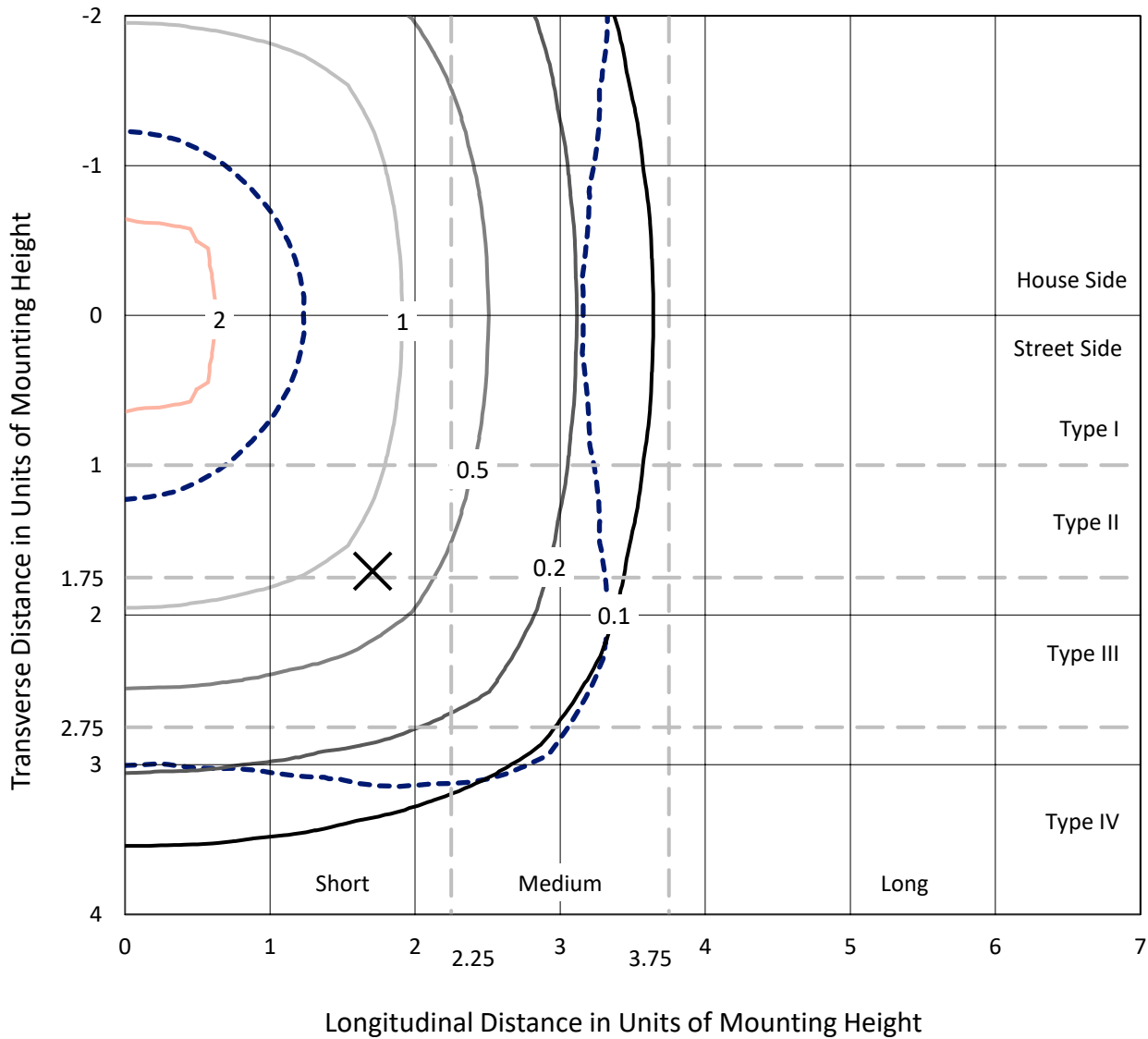
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640991
 CATALOG NUMBER: GWS-SA5F-722-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

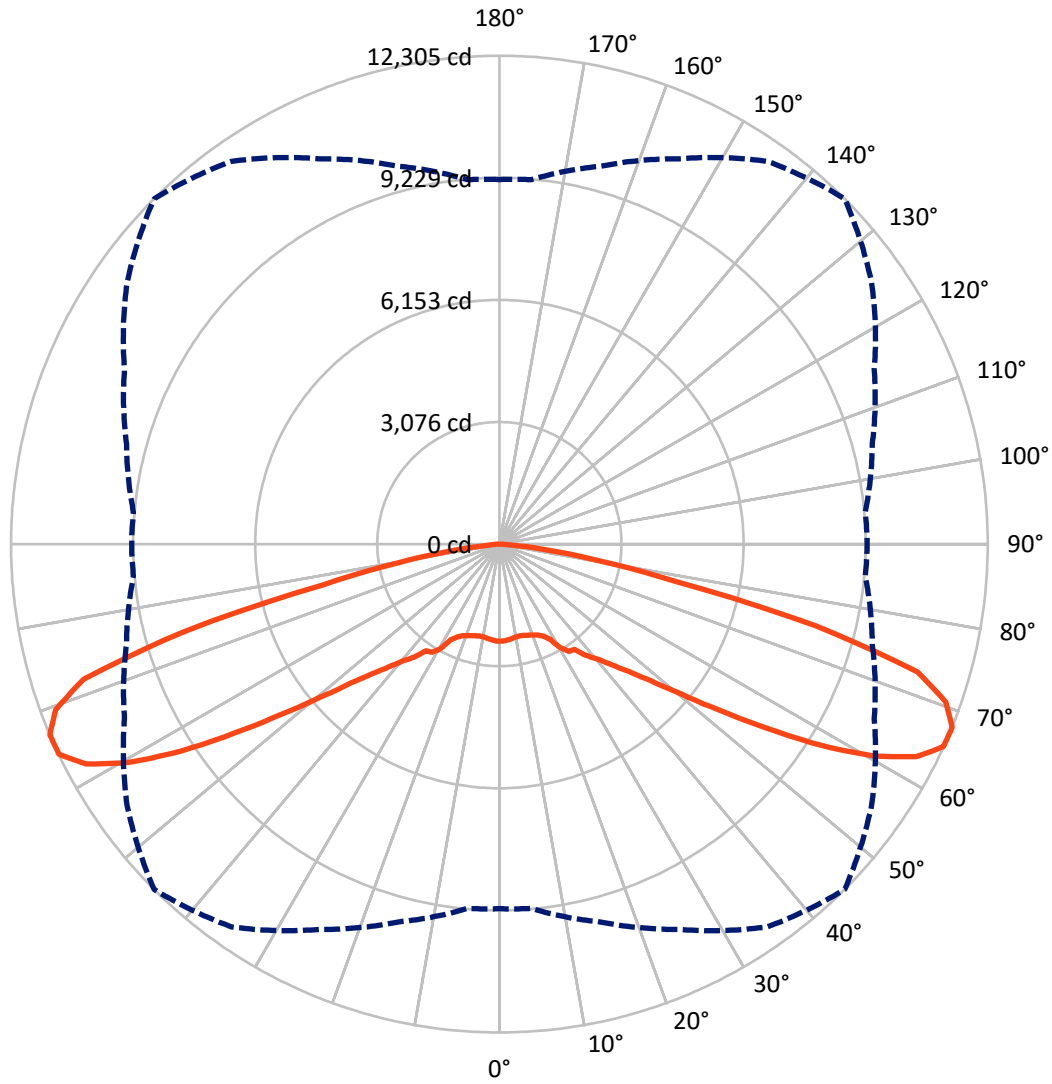
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

REPORT NUMBER: P640991
CATALOG NUMBER: GWS-SA5F-722-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640991

CATALOG NUMBER: GWS-SA5F-722-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15584.3	0.0	15584.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15584.3	0.0	15584.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	31168.6	0.0	31168.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.5	0.7
10°-20°	681.1	2.2
20°-30°	1221.7	3.9
30°-40°	2063.8	6.6
40°-50°	3626.1	11.6
50°-60°	6994.9	22.4
60°-70°	10148.6	32.6
70°-80°	5806.6	18.6
80°-90°	396.3	1.3
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°	31168.6	100.0
0°-180°	31168.6	100.0

Coefficient of Utilization



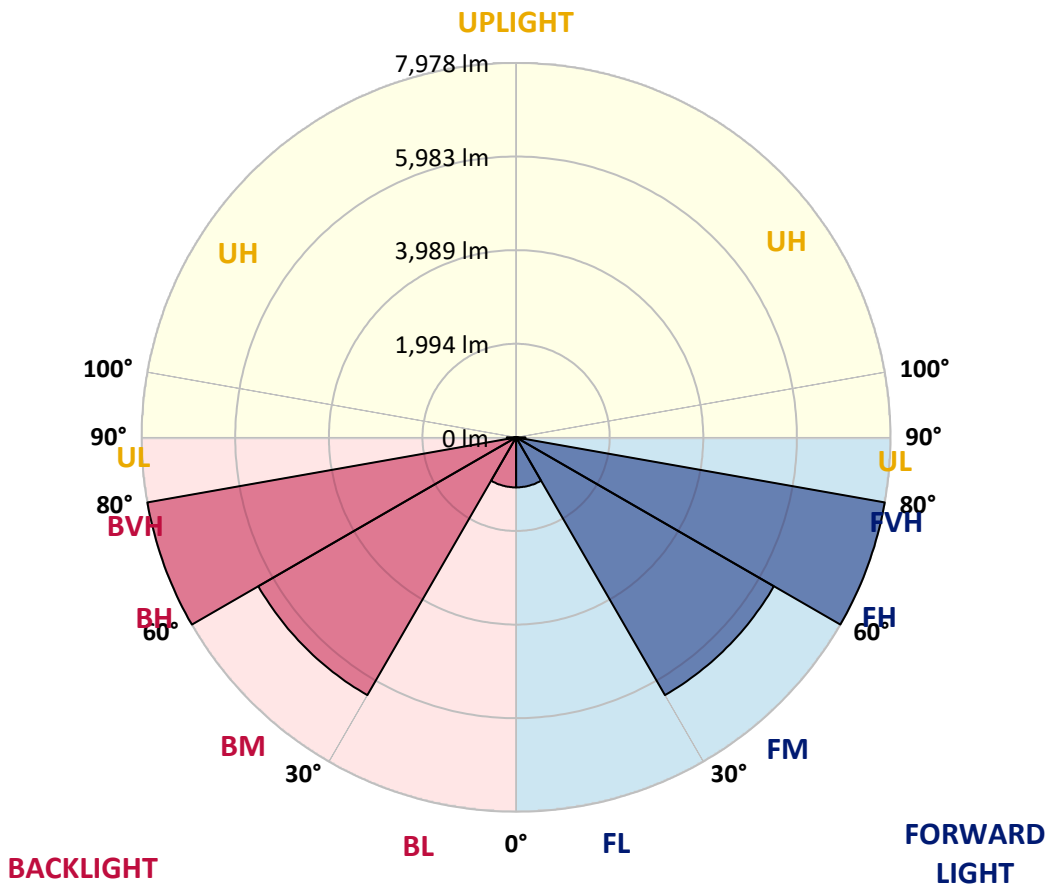
REPORT NUMBER: P640991

CATALOG NUMBER: GWS-SA5F-722-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1066.1	3.4			
FM (30°-60°)	6342.4	20.3			
FH (60°-80°)	7977.6	25.6			G4/12000
FVH (80°-90°)	198.2	0.6			G2/225
BL (0°-30°)	1066.1	3.4	B3/2500		
BM (30°-60°)	6342.4	20.3	B4/8500		
BH (60°-80°)	7977.6	25.6	B5		G4/12000
BVH (80°-90°)	198.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





REPORT NUMBER: P640991
 CATALOG NUMBER: GWS-SA5F-722-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2444.3	2444.3	2444.3	2444.3	2444.3	2444.3	2444.3	2444.3	2444.3	2444.3	2444.3
2.5°	2424.4	2426.6	2431.0	2431.0	2435.4	2442.1	2444.3	2439.8	2442.1	2431.0	2442.1
5°	2417.8	2420.0	2422.2	2417.8	2417.8	2420.0	2420.0	2415.6	2417.8	2406.8	2417.8
7.5°	2402.4	2404.6	2404.6	2398.0	2391.4	2395.8	2395.8	2391.4	2393.6	2382.5	2395.8
10°	2389.2	2389.2	2387.0	2373.7	2367.1	2373.7	2375.9	2378.1	2387.0	2378.1	2393.6
12.5°	2398.0	2398.0	2391.4	2373.7	2362.7	2367.1	2371.5	2375.9	2391.4	2389.2	2406.8
15°	2422.2	2424.4	2406.8	2387.0	2380.3	2387.0	2382.5	2380.3	2400.2	2406.8	2426.6
17.5°	2442.1	2442.1	2420.0	2400.2	2402.4	2413.4	2404.6	2393.6	2413.4	2426.6	2448.7
20°	2459.7	2457.5	2433.2	2420.0	2428.8	2444.3	2437.6	2422.2	2435.4	2450.9	2470.7
22.5°	2503.8	2501.6	2475.1	2468.5	2477.3	2492.7	2486.1	2472.9	2488.3	2510.4	2534.6
25°	2629.4	2625.0	2585.3	2563.3	2558.9	2569.9	2567.7	2563.3	2587.5	2614.0	2642.6
27.5°	2796.9	2794.7	2766.0	2744.0	2715.3	2706.5	2713.1	2733.0	2768.2	2788.1	2812.3
30°	2880.6	2880.6	2876.2	2911.5	2973.2	3032.7	2986.4	2911.5	2880.6	2871.8	2896.1
32.5°	2990.9	3001.9	2986.4	3026.1	3129.7	3217.9	3129.7	3008.5	2986.4	2986.4	3012.9
35°	3244.3	3248.7	3224.5	3217.9	3250.9	3261.9	3220.1	3176.0	3200.2	3204.6	3237.7
37.5°	3447.1	3447.1	3436.1	3453.7	3522.0	3563.9	3495.6	3416.2	3422.8	3427.2	3469.1
40°	3760.1	3768.9	3742.4	3740.2	3766.7	3804.1	3731.4	3680.7	3716.0	3727.0	3790.9
42.5°	4150.2	4150.2	4110.5	4099.5	4117.1	4156.8	4088.5	4055.4	4101.7	4110.5	4148.0
45°	4615.2	4626.2	4573.3	4553.5	4562.3	4575.5	4527.1	4511.6	4555.7	4575.5	4641.7
47.5°	5181.6	5192.7	5146.4	5144.2	5135.4	5144.2	5097.9	5089.1	5124.3	5108.9	5179.4
50°	5880.3	5900.2	5860.5	5915.6	5909.0	5935.4	5871.5	5825.2	5825.2	5783.3	5823.0
52.5°	6662.7	6702.4	6722.3	6814.8	6885.3	6951.5	6845.7	6772.9	6667.2	6581.2	6689.2
55°	7515.7	7504.7	7630.3	7833.1	8040.3	8196.7	7989.6	7760.3	7588.4	7409.9	7451.8
57.5°	8262.9	8300.3	8465.6	8835.9	9245.8	9576.5	9204.0	8763.2	8373.1	8117.4	8152.7
60°	8884.4	8915.2	9135.6	9669.0	10385.3	10841.6	10250.9	9523.6	8957.1	8604.5	8641.9
62.5°	9457.4	9486.1	9708.7	10297.2	11200.8	11795.9	11033.3	10039.3	9408.9	9054.1	9076.1
65°	9788.0	9805.7	10109.8	10729.2	11681.3	12296.2	11436.6	10411.8	9792.4	9431.0	9444.2
67.5°	9186.3	9215.0	9856.4	10711.5	11773.9	12305.0	11454.3	10422.8	9726.3	9254.7	9265.7
70°	7246.8	7222.6	7987.4	9457.4	11242.7	11934.8	10945.1	9640.4	8564.8	7905.8	7894.8
72.5°	5525.5	5532.1	5957.5	6964.7	9166.5	11013.5	9658.0	7762.5	6603.2	6102.9	6083.1
75°	4006.9	4068.6	4414.6	5153.0	6411.5	8232.0	7271.1	5752.5	4976.7	4676.9	4632.8
77.5°	1805.1	1884.4	2367.1	3235.5	4286.8	4549.1	4566.7	3905.5	2946.8	2448.7	2371.5
80°	526.8	564.2	725.1	1240.9	1996.8	2580.9	2049.7	1723.5	1073.4	841.9	802.3
82.5°	222.6	253.5	310.8	343.8	579.7	1196.8	745.0	473.9	440.8	357.1	326.2
85°	94.8	101.4	130.0	138.9	187.3	255.7	235.8	213.8	205.0	158.7	145.5
87.5°	39.7	39.7	39.7	35.3	33.1	35.3	48.5	61.7	81.5	63.9	59.5
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)