

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: P643466

Luminaire Tested: GWS-SA6F-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643466
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-SA6F-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37166.3 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

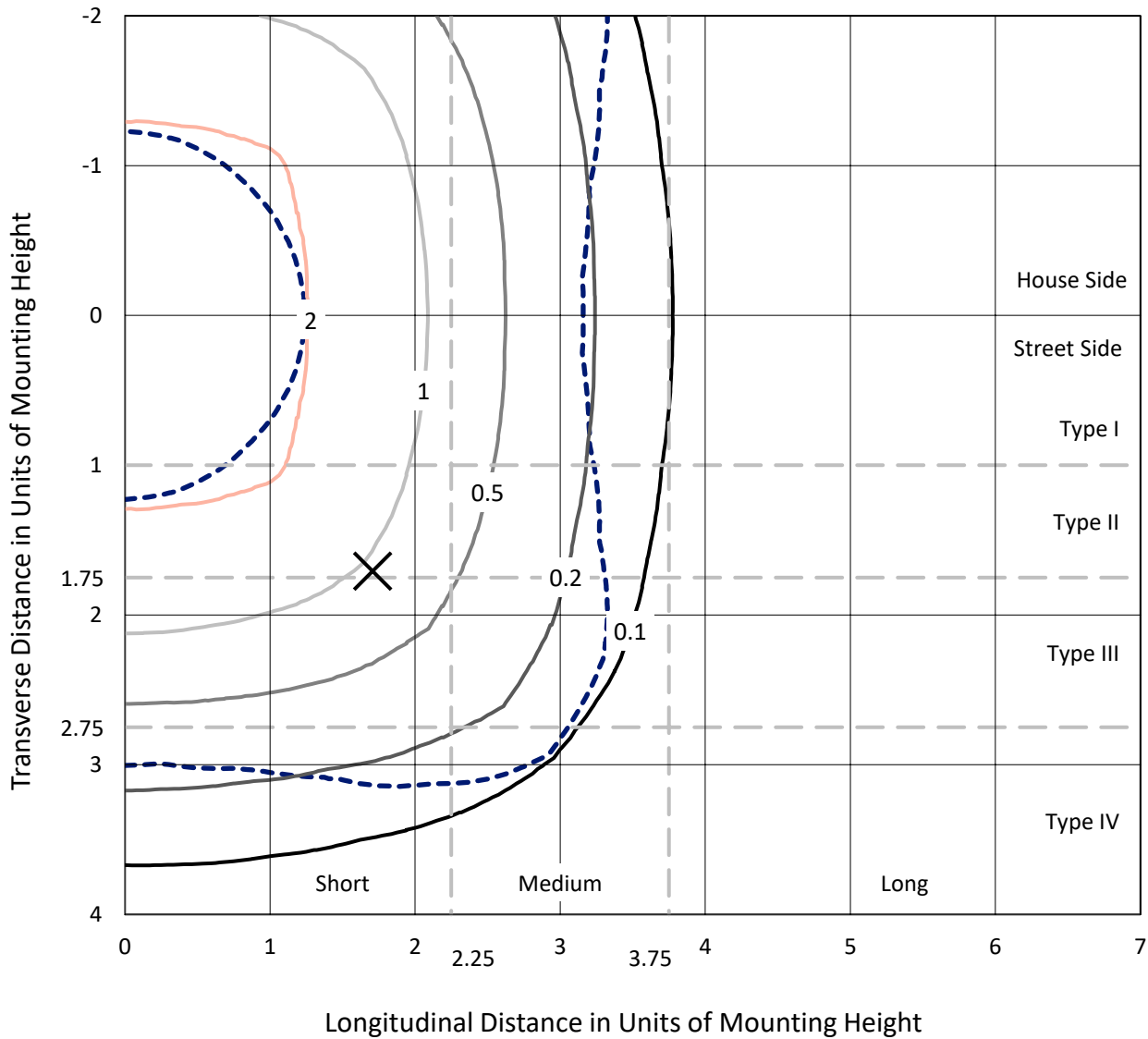
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643466
 CATALOG NUMBER: GWS-SA6F-722-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

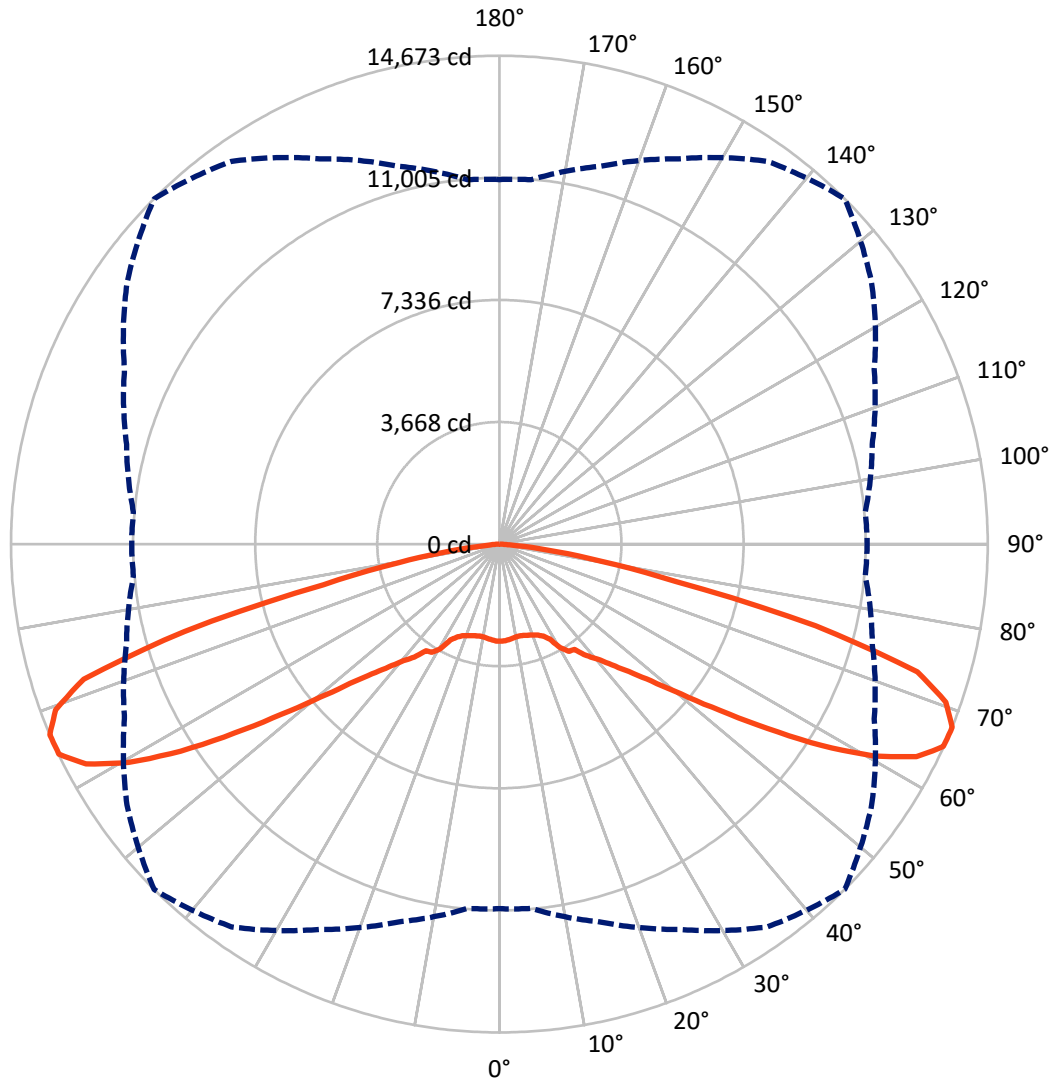
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

REPORT NUMBER: P643466
CATALOG NUMBER: GWS-SA6F-722-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P643466

CATALOG NUMBER: GWS-SA6F-722-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18583.2	0.0	18583.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18583.2	0.0	18583.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	37166.3	0.0	37166.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	0.7
10°-20°	812.1	2.2
20°-30°	1456.8	3.9
30°-40°	2460.9	6.6
40°-50°	4323.9	11.6
50°-60°	8340.9	22.4
60°-70°	12101.5	32.6
70°-80°	6924.0	18.6
80°-90°	472.6	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°	37166.3	100.0
0°-180°	37166.3	100.0

Coefficient of Utilization



REPORT NUMBER: P643466

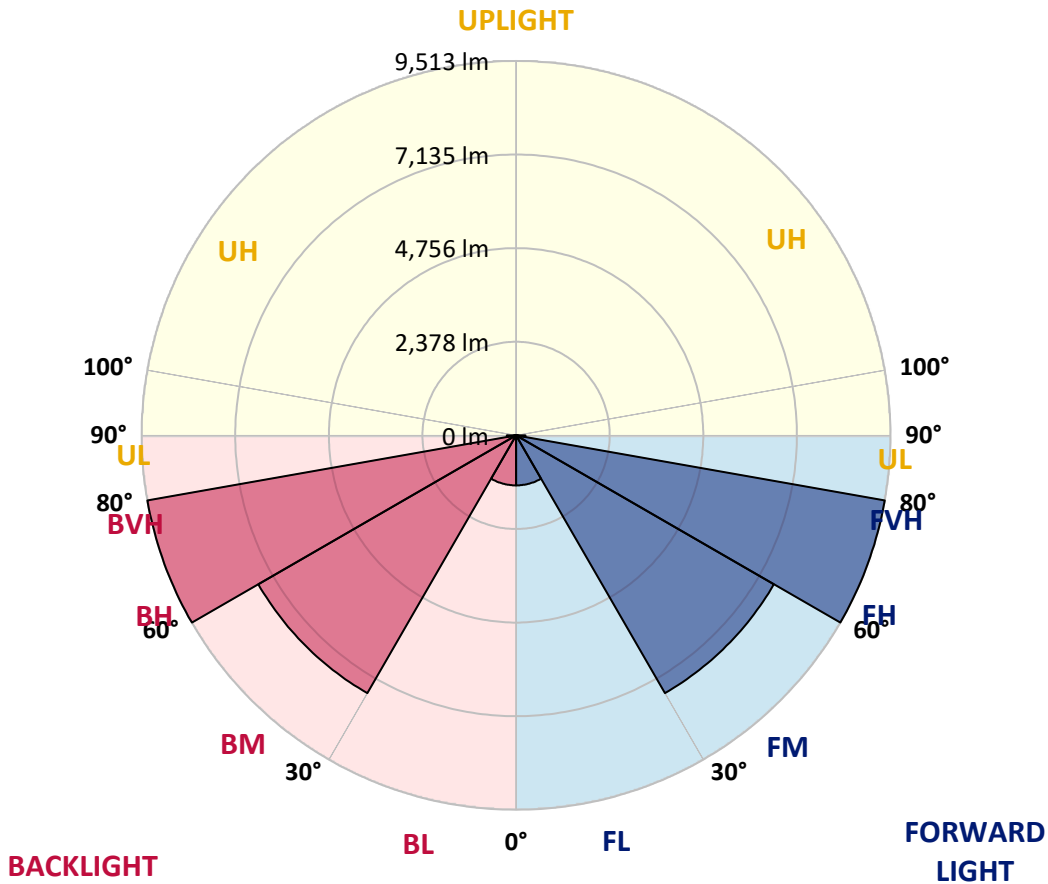
CATALOG NUMBER: GWS-SA6F-722-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1271.3	3.4			
FM (30°-60°)	7562.9	20.3			
FH (60°-80°)	9512.7	25.6			G4/12000
FVH (80°-90°)	236.3	0.6			G3/500
BL (0°-30°)	1271.3	3.4	B3/2500		
BM (30°-60°)	7562.9	20.3	B4/8500		
BH (60°-80°)	9512.7	25.6	B5		G4/12000
BVH (80°-90°)	236.3	0.6			G3/500
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: P643466
 CATALOG NUMBER: GWS-SA6F-722-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2914.6	2914.6	2914.6	2914.6	2914.6	2914.6	2914.6	2914.6	2914.6	2914.6	2914.6
2.5°	2890.9	2893.6	2898.8	2898.8	2904.1	2912.0	2914.6	2909.3	2912.0	2898.8	2912.0
5°	2883.1	2885.7	2888.3	2883.1	2883.1	2885.7	2885.7	2880.4	2883.1	2869.9	2883.1
7.5°	2864.7	2867.3	2867.3	2859.4	2851.5	2856.8	2856.8	2851.5	2854.1	2841.0	2856.8
10°	2848.9	2848.9	2846.3	2830.5	2822.6	2830.5	2833.1	2835.8	2846.3	2835.8	2854.1
12.5°	2859.4	2859.4	2851.5	2830.5	2817.4	2822.6	2827.9	2833.1	2851.5	2848.9	2869.9
15°	2888.3	2890.9	2869.9	2846.3	2838.4	2846.3	2841.0	2838.4	2862.0	2869.9	2893.6
17.5°	2912.0	2912.0	2885.7	2862.0	2864.7	2877.8	2867.3	2854.1	2877.8	2893.6	2919.9
20°	2933.0	2930.4	2901.5	2885.7	2896.2	2914.6	2906.7	2888.3	2904.1	2922.5	2946.1
22.5°	2985.6	2982.9	2951.4	2943.5	2954.0	2972.4	2964.5	2948.8	2967.2	2993.4	3022.3
25°	3135.4	3130.1	3082.8	3056.5	3051.3	3064.4	3061.8	3056.5	3085.4	3117.0	3151.1
27.5°	3335.1	3332.5	3298.3	3272.0	3237.9	3227.3	3235.2	3258.9	3300.9	3324.6	3353.5
30°	3435.0	3435.0	3429.7	3471.8	3545.3	3616.3	3561.1	3471.8	3435.0	3424.5	3453.4
32.5°	3566.4	3579.5	3561.1	3608.4	3731.9	3837.1	3731.9	3587.4	3561.1	3561.1	3592.7
35°	3868.6	3873.9	3845.0	3837.1	3876.5	3889.6	3839.7	3787.1	3816.0	3821.3	3860.7
37.5°	4110.4	4110.4	4097.3	4118.3	4199.8	4249.7	4168.2	4073.6	4081.5	4086.7	4136.7
40°	4483.6	4494.1	4462.6	4459.9	4491.5	4536.2	4449.4	4389.0	4431.0	4444.2	4520.4
42.5°	4948.8	4948.8	4901.5	4888.3	4909.3	4956.7	4875.2	4835.8	4891.0	4901.5	4946.1
45°	5503.3	5516.4	5453.4	5429.7	5440.2	5456.0	5398.2	5379.8	5432.3	5456.0	5534.8
47.5°	6178.7	6191.9	6136.7	6134.1	6123.5	6134.1	6078.9	6068.4	6110.4	6092.0	6176.1
50°	7011.9	7035.5	6988.2	7053.9	7046.0	7077.6	7001.3	6946.1	6946.1	6896.2	6943.5
52.5°	7944.8	7992.1	8015.8	8126.2	8210.3	8289.1	8163.0	8076.2	7950.1	7847.6	7976.4
55°	8961.9	8948.8	9098.6	9340.4	9587.4	9774.0	9527.0	9253.6	9048.7	8835.8	8885.7
57.5°	9852.9	9897.5	10094.6	10536.2	11025.0	11419.2	10975.1	10449.4	9984.3	9679.4	9721.5
60°	10594.0	10630.8	10893.6	11529.6	12383.8	12927.8	12223.4	11356.2	10680.7	10260.2	10304.9
62.5°	11277.3	11311.5	11576.9	12278.6	13356.2	14065.8	13156.4	11971.1	11219.5	10796.4	10822.6
65°	11671.5	11692.6	12055.2	12793.7	13929.1	14662.3	13637.4	12415.3	11676.8	11245.8	11261.5
67.5°	10954.0	10988.2	11753.0	12772.7	14039.5	14672.9	13658.4	12428.4	11597.9	11035.5	11048.7
70°	8641.3	8612.4	9524.3	11277.3	13406.1	14231.3	13051.3	11495.4	10212.9	9427.1	9414.0
72.5°	6588.7	6596.6	7103.8	8304.9	10930.4	13132.8	11516.5	9256.3	7873.9	7277.3	7253.6
75°	4777.9	4851.5	5264.1	6144.6	7645.2	9816.1	8670.2	6859.4	5934.3	5576.9	5524.3
77.5°	2152.4	2247.1	2822.6	3858.1	5111.7	5424.5	5445.5	4657.0	3513.8	2919.9	2827.9
80°	628.1	672.8	864.7	1479.6	2381.1	3077.5	2444.2	2055.2	1279.9	1003.9	956.6
82.5°	265.4	302.2	370.6	410.0	691.2	1427.1	888.3	565.0	525.6	425.8	389.0
85°	113.0	120.9	155.1	165.6	223.4	304.9	281.2	254.9	244.4	189.2	173.5
87.5°	47.3	47.3	47.3	42.1	39.4	42.1	57.8	73.6	97.2	76.2	71.0
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)