

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: P643464

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19292.7 lumens
Efficiency: N/A
Efficacy: 51.8 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): 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

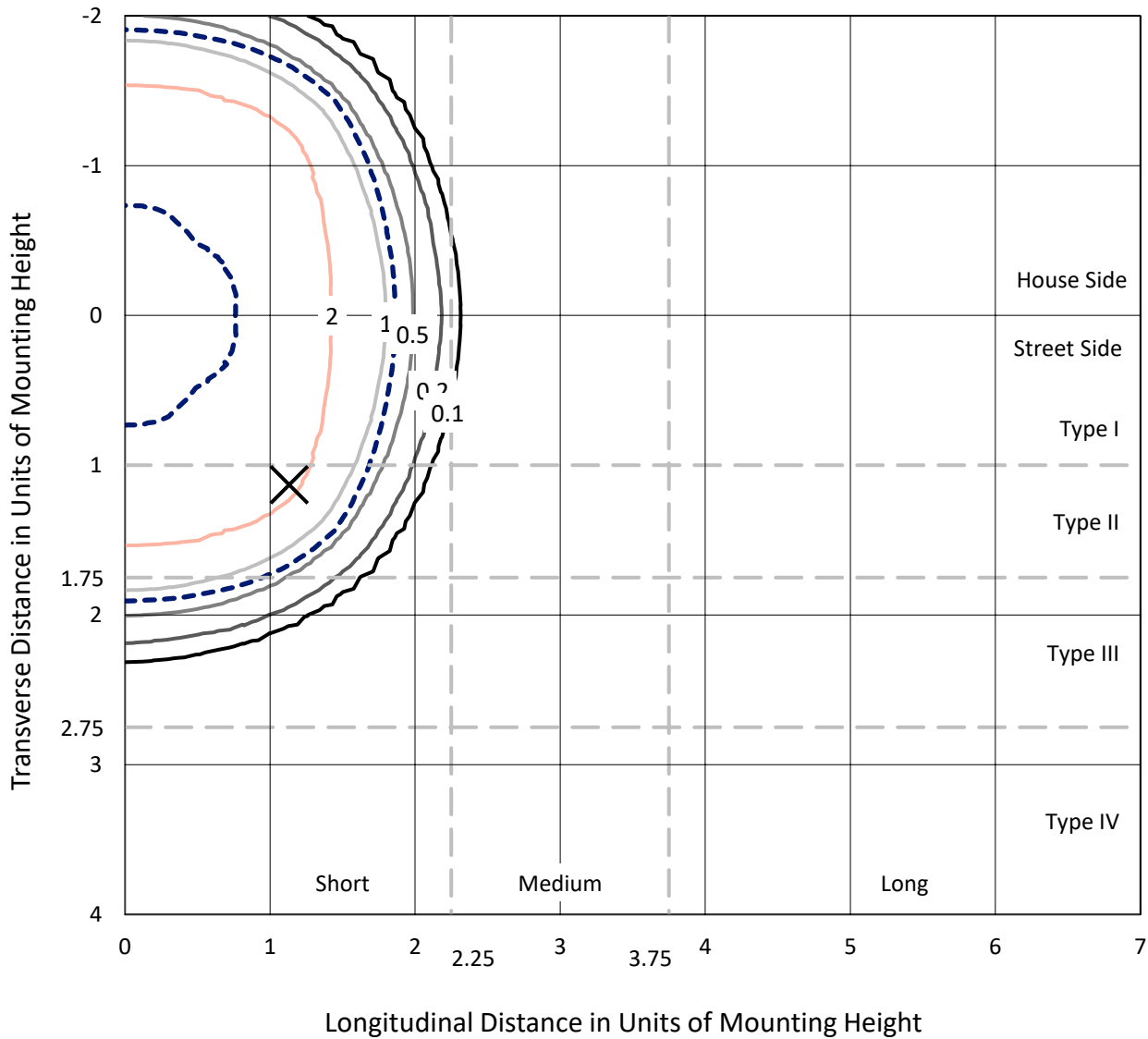


REPORT NUMBER: P643464

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

Iso-Footcandle Lines of Horizontal Illumination

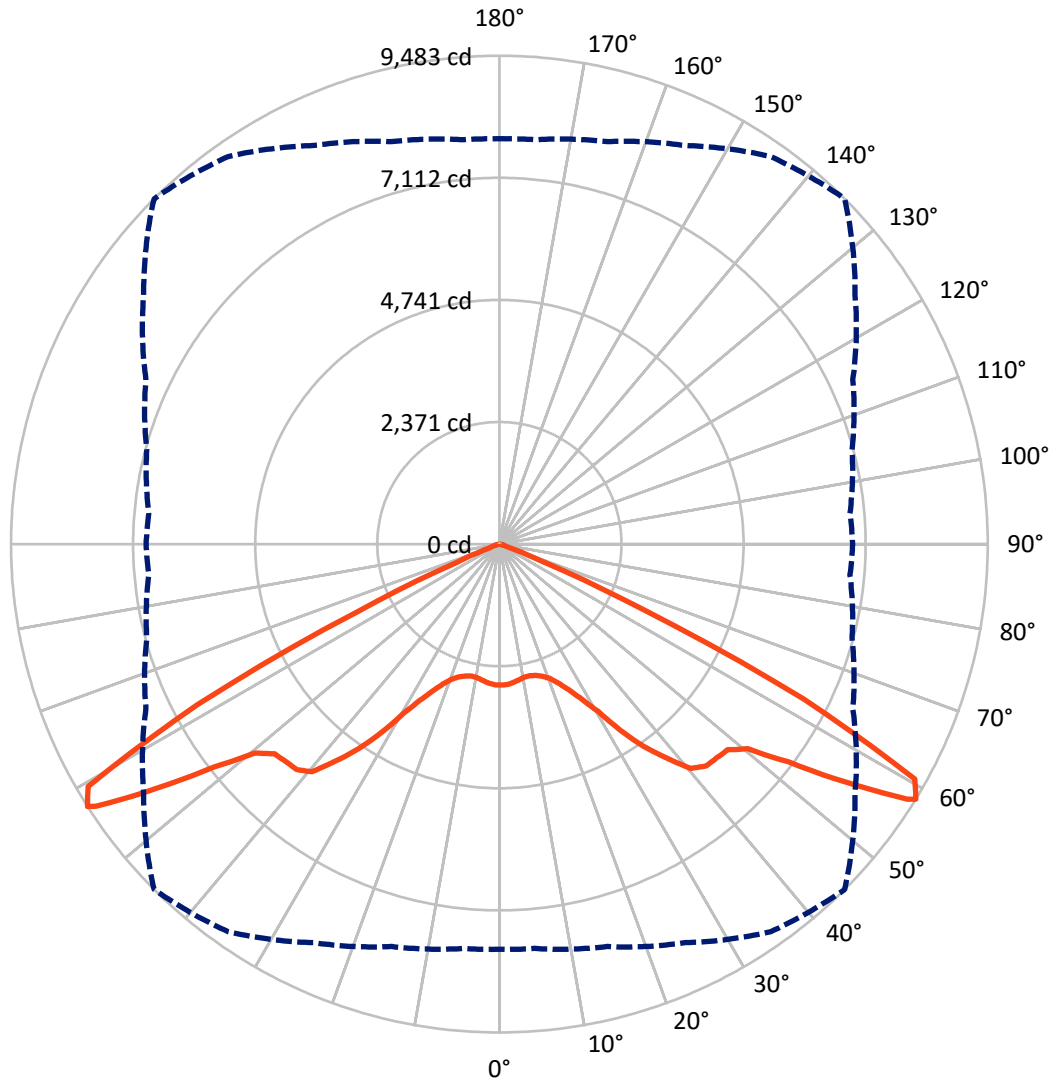
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

REPORT NUMBER: P643464
CATALOG NUMBER: GWS-SA6F-722-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P643464

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9646.3	0.0	9646.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9646.3	0.0	9646.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	19292.7	0.0	19292.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.3	1.3
10°-20°	755.3	3.9
20°-30°	1428.5	7.4
30°-40°	2817.4	14.6
40°-50°	4458.5	23.1
50°-60°	6553.7	34.0
60°-70°	2925.3	15.2
70°-80°	98.0	0.5
80°-90°	0.8	0.0
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°	19292.7	100.0
0°-180°	19292.7	100.0

Coefficient of Utilization



REPORT NUMBER: P643464

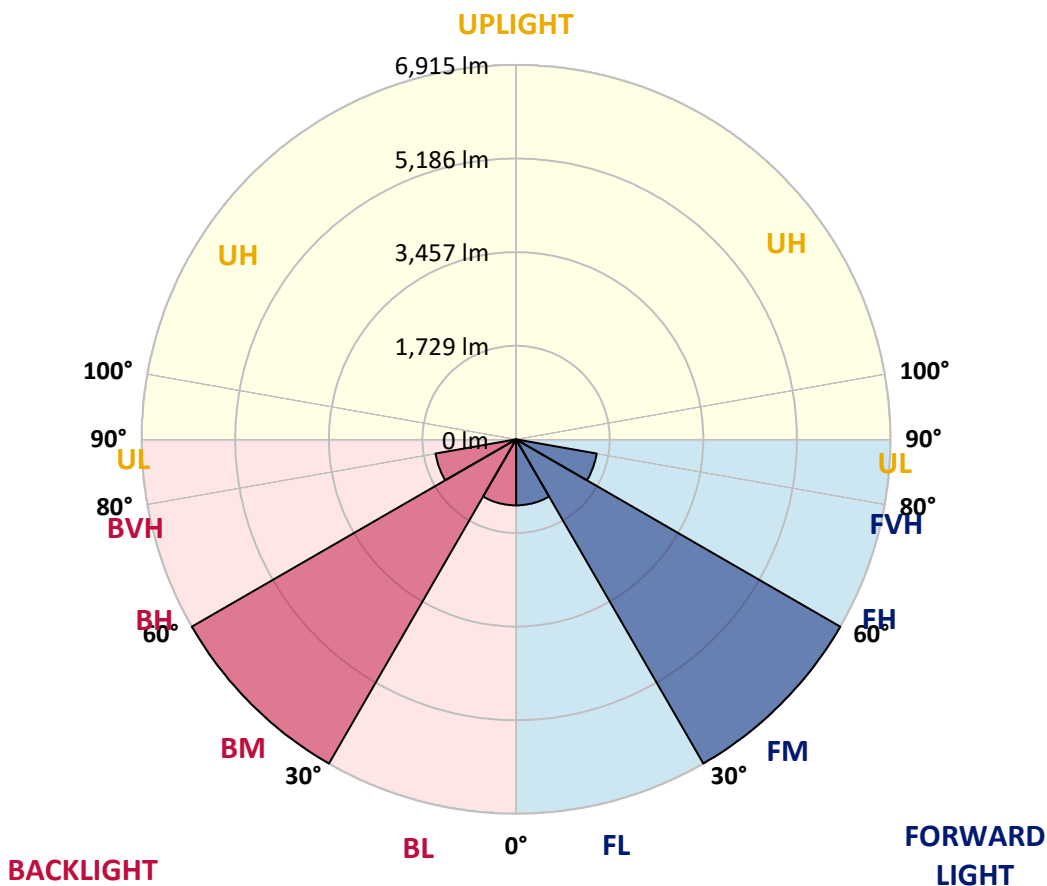
CATALOG NUMBER: GWS-SA6F-722-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1219.6	6.3			
FM (30°-60°)	6914.7	35.8			
FH (60°-80°)	1511.6	7.8			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1219.6	6.3	B3/2500		
BM (30°-60°)	6914.7	35.8	B4/8500		
BH (60°-80°)	1511.6	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.4	0.0			G0/10
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: P643464

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2736.0	2736.0	2736.0	2736.0	2736.0	2736.0	2736.0	2736.0	2736.0	2736.0	2736.0
2.5°	2709.7	2714.9	2720.2	2722.8	2725.4	2733.3	2736.0	2728.1	2728.1	2712.3	2730.7
5°	2696.5	2701.8	2707.1	2704.4	2704.4	2704.4	2701.8	2691.3	2688.7	2672.9	2691.3
7.5°	2672.9	2678.1	2678.1	2670.3	2665.0	2665.0	2662.4	2649.2	2646.6	2630.8	2649.2
10°	2654.5	2657.1	2654.5	2638.7	2628.2	2628.2	2625.6	2620.3	2622.9	2612.4	2628.2
12.5°	2665.0	2667.6	2657.1	2636.1	2622.9	2620.3	2612.4	2604.6	2612.4	2609.8	2625.6
15°	2699.2	2701.8	2683.4	2657.1	2646.6	2646.6	2625.6	2604.6	2615.1	2617.7	2636.1
17.5°	2741.2	2741.2	2717.6	2693.9	2696.5	2696.5	2662.4	2625.6	2628.2	2638.7	2657.1
20°	2791.2	2791.2	2767.5	2762.2	2780.6	2783.3	2741.2	2683.4	2670.3	2678.1	2699.2
22.5°	2880.5	2880.5	2862.1	2875.3	2917.3	2930.4	2867.4	2785.9	2754.4	2759.6	2780.6
25°	3019.8	3019.8	3014.6	3046.1	3106.5	3135.4	3051.3	2943.6	2891.0	2883.1	2906.8
27.5°	3253.7	3256.3	3248.5	3295.8	3372.0	3406.2	3290.5	3148.6	3085.5	3072.4	3096.0
30°	3556.0	3556.0	3558.6	3624.3	3724.2	3768.8	3616.4	3450.8	3377.2	3335.2	3366.7
32.5°	3892.4	3897.6	3923.9	4034.3	4210.4	4302.4	4079.0	3847.7	3729.4	3684.7	3718.9
35°	4446.9	4397.0	4365.4	4446.9	4701.9	4822.8	4536.3	4265.6	4176.2	4171.0	4257.7
37.5°	4996.2	4967.3	4901.6	4985.7	5214.4	5269.6	4954.2	4728.1	4665.1	4699.2	4786.0
40°	5432.5	5379.9	5293.2	5372.1	5671.7	5726.9	5337.9	5114.5	5090.8	5167.1	5285.3
42.5°	5776.8	5703.2	5587.6	5606.0	5847.8	5887.2	5542.9	5374.7	5390.4	5485.1	5619.1
45°	5931.9	5874.0	5771.5	5763.7	5916.1	5918.7	5648.0	5561.3	5603.3	5676.9	5782.1
47.5°	5997.6	5971.3	5913.5	5900.3	5987.1	5966.0	5797.8	5761.0	5800.4	5821.5	5881.9
50°	6160.5	6160.5	6168.4	6178.9	6268.3	6247.2	6129.0	6086.9	6037.0	5963.4	5981.8
52.5°	6617.8	6636.2	6712.4	6796.5	6959.5	7027.8	6836.0	6591.5	6352.4	6192.1	6192.1
55°	7443.1	7461.5	7550.8	7692.8	7992.4	8155.3	7708.5	7169.7	6841.2	6623.1	6652.0
57.5°	7897.8	7918.8	8102.8	8486.5	9067.3	9343.3	8384.0	7585.0	7125.1	6875.4	6896.4
58°	7868.8	7882.0	8089.6	8539.0	9185.6	9482.6	8431.3	7571.9	7088.3	6833.3	6859.6
60°	6991.0	6972.6	7303.8	7945.1	8857.1	9267.1	7960.8	6912.2	6349.7	6089.6	6102.7
62.5°	4570.4	4581.0	4867.4	5537.6	6247.2	6633.6	5561.3	4780.7	4328.7	4171.0	4131.5
65°	1908.1	1873.9	2050.0	2423.2	2849.0	3064.5	2633.5	2228.7	1950.1	1845.0	1873.9
67.5°	491.5	478.3	488.8	612.4	749.0	885.7	743.8	567.7	494.1	499.4	499.4
70°	278.6	262.8	212.9	197.1	191.9	191.9	191.9	191.9	220.8	260.2	268.1
72.5°	210.3	197.1	155.1	134.0	118.3	110.4	115.6	134.0	160.3	194.5	199.7
75°	105.1	105.1	94.6	89.4	78.8	73.6	76.2	84.1	97.2	110.4	107.8
77.5°	21.0	23.7	26.3	31.5	26.3	26.3	26.3	31.5	31.5	34.2	31.5
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	0.0	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)