

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: P643463

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643463  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6F-722-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

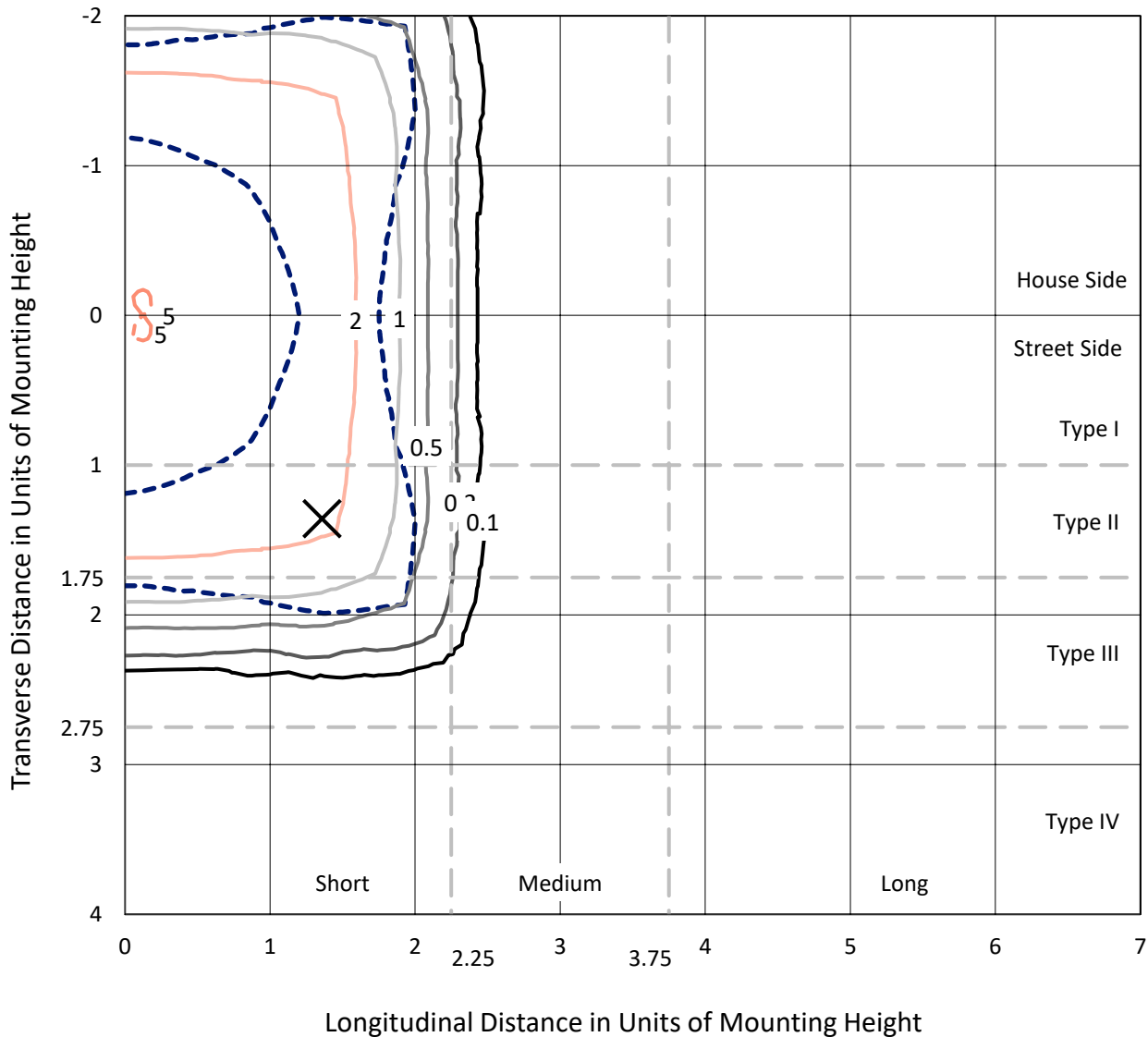
Lumens per Lamp: N/A  
Luminaire Lumens: 38317.4 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P643463  
 CATALOG NUMBER: GWS-SA6F-722-U-5NQ-W

### Iso-Footcandle Lines of Horizontal Illumination

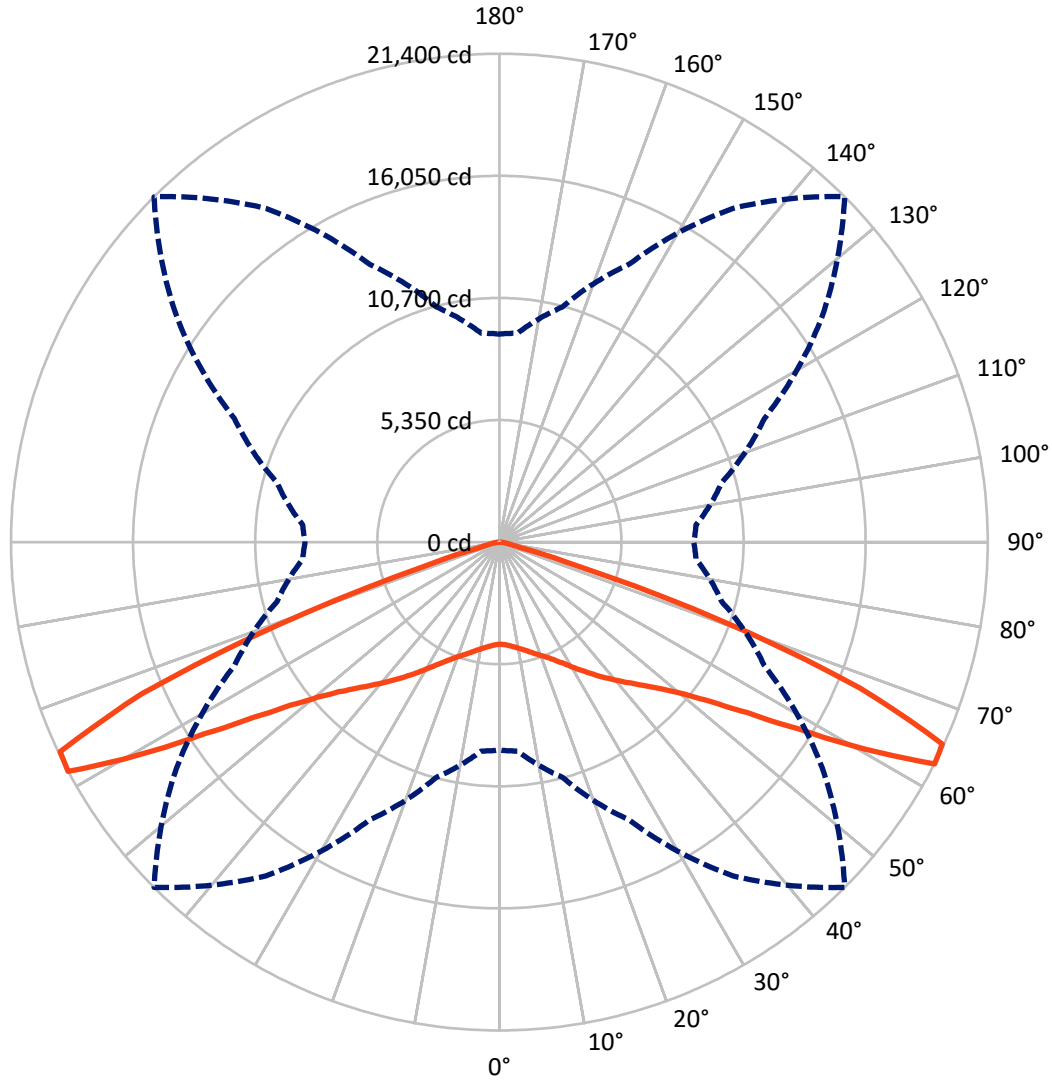
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5 fc  
 Type V - Short - N/A

REPORT NUMBER: P643463  
CATALOG NUMBER: GWS-SA6F-722-U-5NQ-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P643463

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

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19158.7	0.0	19158.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19158.7	0.0	19158.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38317.4	0.0	38317.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.6	1.1
10°-20°	1414.4	3.7
20°-30°	2675.8	7.0
30°-40°	4503.9	11.8
40°-50°	7195.8	18.8
50°-60°	11599.3	30.3
60°-70°	9463.7	24.7
70°-80°	919.0	2.4
80°-90°	106.9	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°	38317.4	100.0
0°-180°	38317.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P643463

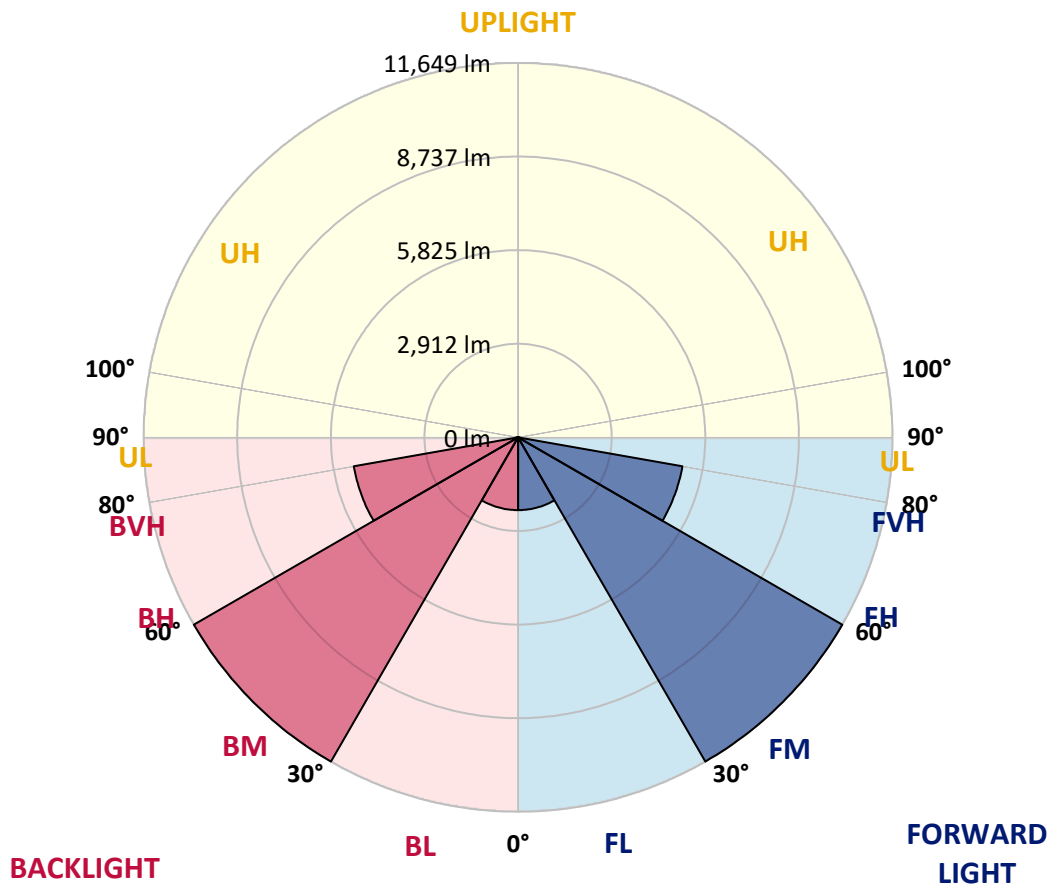
CATALOG NUMBER: GWS-SA6F-722-U-5NQ-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2264.4	5.9			
FM (30°-60°)	11649.5	30.4			
FH (60°-80°)	5191.4	13.5			G3/7500
FVH (80°-90°)	53.5	0.1			G1/100
BL (0°-30°)	2264.4	5.9	B3/2500		
BM (30°-60°)	11649.5	30.4	B5		
BH (60°-80°)	5191.4	13.5	B5		G3/7500
BVH (80°-90°)	53.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





REPORT NUMBER: P643463  
 CATALOG NUMBER: GWS-SA6F-722-U-5NQ-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4470.2	4470.2	4470.2	4470.2	4470.2	4470.2	4470.2	4470.2	4470.2	4470.2	4470.2
2.5°	4465.0	4465.0	4475.5	4483.4	4478.1	4499.1	4496.5	4491.3	4488.6	4480.8	4504.4
5°	4525.4	4525.4	4533.3	4541.2	4528.1	4554.3	4543.8	4538.6	4535.9	4525.4	4546.5
7.5°	4593.8	4601.6	4604.3	4617.4	4609.5	4638.4	4630.5	4620.0	4614.8	4601.6	4620.0
10°	4670.0	4675.2	4677.9	4701.5	4704.1	4738.3	4730.4	4717.3	4706.8	4693.6	4719.9
12.5°	4772.5	4775.1	4783.0	4811.9	4819.8	4846.0	4843.4	4825.0	4811.9	4793.5	4822.4
15°	4903.9	4906.5	4919.6	4948.5	4961.7	4993.2	4982.7	4953.8	4935.4	4914.4	4938.0
17.5°	5040.5	5051.0	5064.2	5093.1	5111.5	5148.3	5135.1	5103.6	5087.8	5066.8	5082.6
20°	5216.6	5219.2	5227.1	5258.6	5271.8	5313.8	5316.5	5284.9	5277.0	5256.0	5279.7
22.5°	5411.1	5413.7	5421.6	5455.7	5479.4	5505.7	5521.4	5503.0	5489.9	5463.6	5492.5
25°	5626.6	5652.8	5660.7	5702.8	5729.1	5744.8	5763.2	5755.3	5736.9	5705.4	5718.5
27.5°	5928.8	5934.0	5947.2	5994.5	6010.3	6026.0	6044.4	6047.0	6020.8	5984.0	6002.4
30°	6273.1	6270.4	6299.3	6336.1	6349.3	6362.4	6388.7	6404.5	6370.3	6330.9	6349.3
32.5°	6625.2	6656.7	6693.5	6727.7	6719.8	6725.1	6767.1	6796.0	6748.7	6677.8	6693.5
35°	7022.0	7043.1	7090.4	7140.3	7129.8	7121.9	7148.2	7177.1	7111.4	7019.4	7043.1
37.5°	7429.4	7460.9	7531.9	7592.3	7576.5	7539.8	7568.7	7600.2	7537.1	7432.0	7421.5
40°	7884.0	7934.0	8036.4	8086.4	8044.3	7973.4	8023.3	8099.5	8036.4	7915.6	7886.7
42.5°	8417.5	8478.0	8580.4	8656.7	8564.7	8449.0	8533.1	8643.5	8627.7	8467.4	8417.5
45°	9077.1	9116.6	9242.7	9279.5	9142.8	8982.5	9135.0	9303.1	9263.7	9090.3	9024.6
47.5°	9794.6	9855.0	9965.4	10033.7	9813.0	9613.3	9826.1	10052.1	10010.1	9847.1	9770.9
50°	10709.1	10788.0	10932.5	10990.3	10685.5	10456.8	10730.2	11016.6	10935.1	10717.0	10617.2
52.5°	11705.1	11768.2	12015.3	12130.9	11844.4	11597.4	11836.5	12117.7	11944.3	11655.2	11521.2
55°	12582.9	12646.0	13008.6	13392.3	13379.2	13208.4	13329.3	13334.5	12864.1	12385.8	12243.9
57.5°	12772.1	12835.2	13526.4	14530.3	15239.8	15436.9	15082.1	14335.8	13150.6	12312.2	12151.9
60°	11763.0	11833.9	12932.4	14766.8	17100.4	18417.1	16782.5	14314.8	12264.9	11129.6	10977.2
62.5°	9113.9	9190.1	10667.1	13421.2	17852.1	21399.9	17276.5	12808.9	10088.9	8651.4	8517.4
65°	4352.0	4352.0	6228.4	9626.4	16354.1	21328.9	15846.9	9476.6	6073.3	4664.7	4549.1
67.5°	1077.5	1082.7	1603.1	3747.5	11124.4	17021.6	11305.7	4549.1	2139.2	1513.7	1474.3
70°	672.8	670.1	743.7	1014.4	3892.1	10330.7	4622.7	1371.8	869.9	767.4	762.1
72.5°	523.0	523.0	559.8	649.1	1019.7	3518.9	1348.2	762.1	630.7	567.6	567.6
75°	412.6	412.6	438.9	486.2	601.8	906.7	717.4	565.0	488.8	446.8	441.5
77.5°	307.5	312.7	333.8	365.3	410.0	509.8	454.6	425.7	381.1	349.5	339.0
80°	199.7	207.6	233.9	252.3	268.1	336.4	297.0	310.1	289.1	252.3	247.0
82.5°	107.7	110.4	141.9	147.2	152.4	184.0	189.2	197.1	205.0	160.3	149.8
85°	39.4	39.4	47.3	55.2	60.4	65.7	89.4	110.4	115.6	92.0	89.4
87.5°	7.9	7.9	7.9	5.3	5.3	5.3	15.8	28.9	47.3	36.8	36.8
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)