

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: P643679

Luminaire Tested: GWS-SA6F-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-740-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43578 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

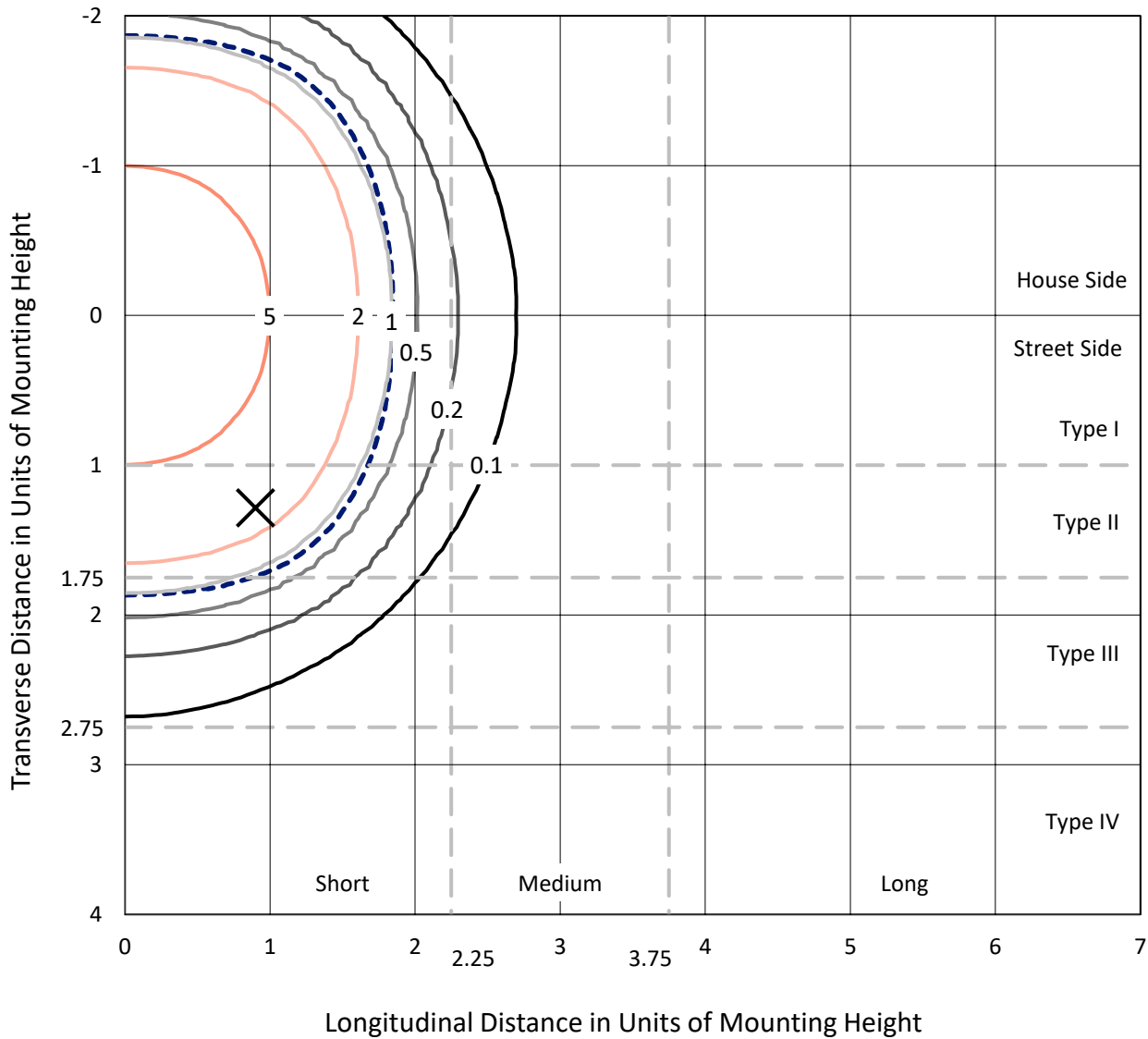
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

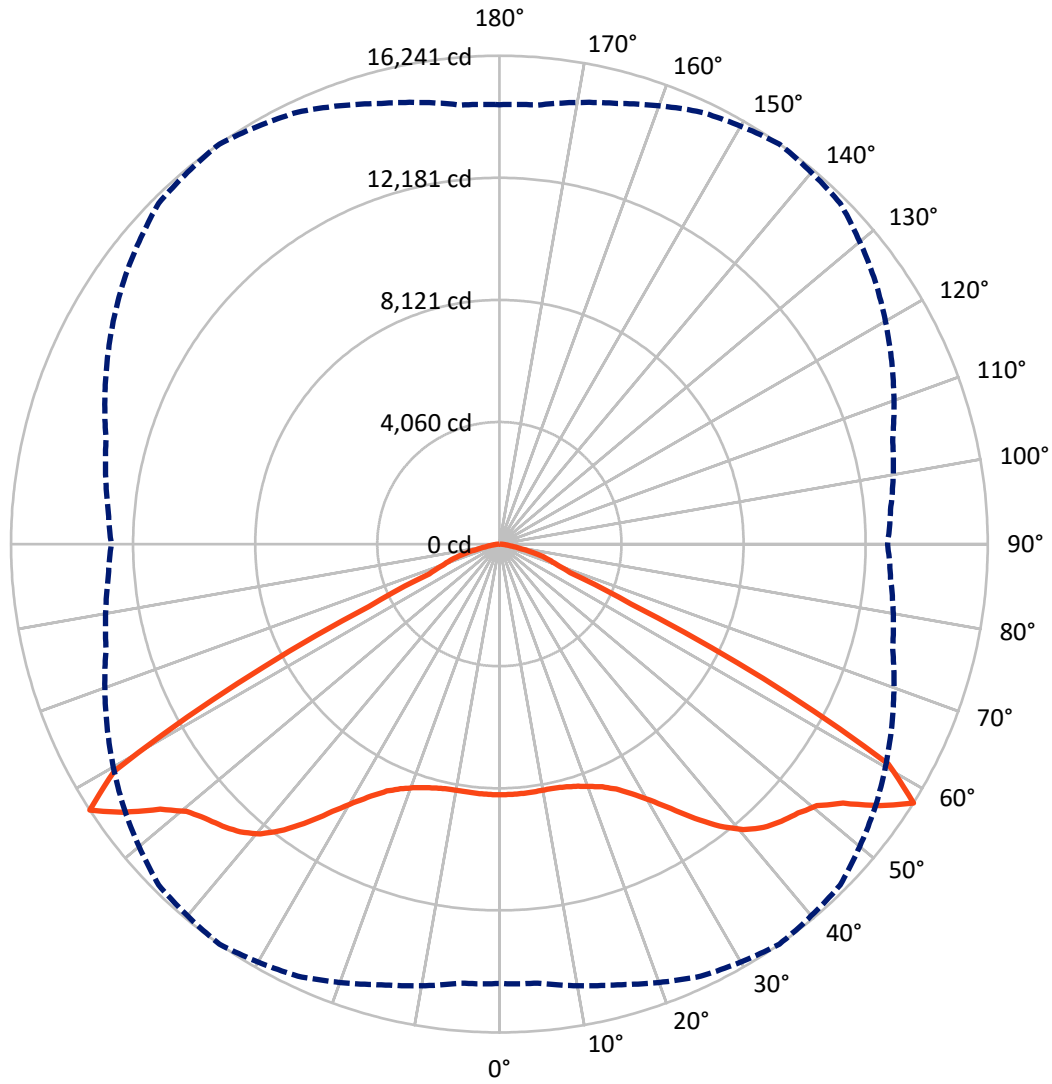
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21789.0	0.0	21789.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21789.0	0.0	21789.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43578.0	0.0	43578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	793.2	1.8
10°-20°	2366.6	5.4
20°-30°	4129.3	9.5
30°-40°	6771.1	15.5
40°-50°	9972.3	22.9
50°-60°	12726.4	29.2
60°-70°	5363.5	12.3
70°-80°	1281.2	2.9
80°-90°	174.4	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°	43578.0	100.0
0°-180°	43578.0	100.0

Coefficient of Utilization



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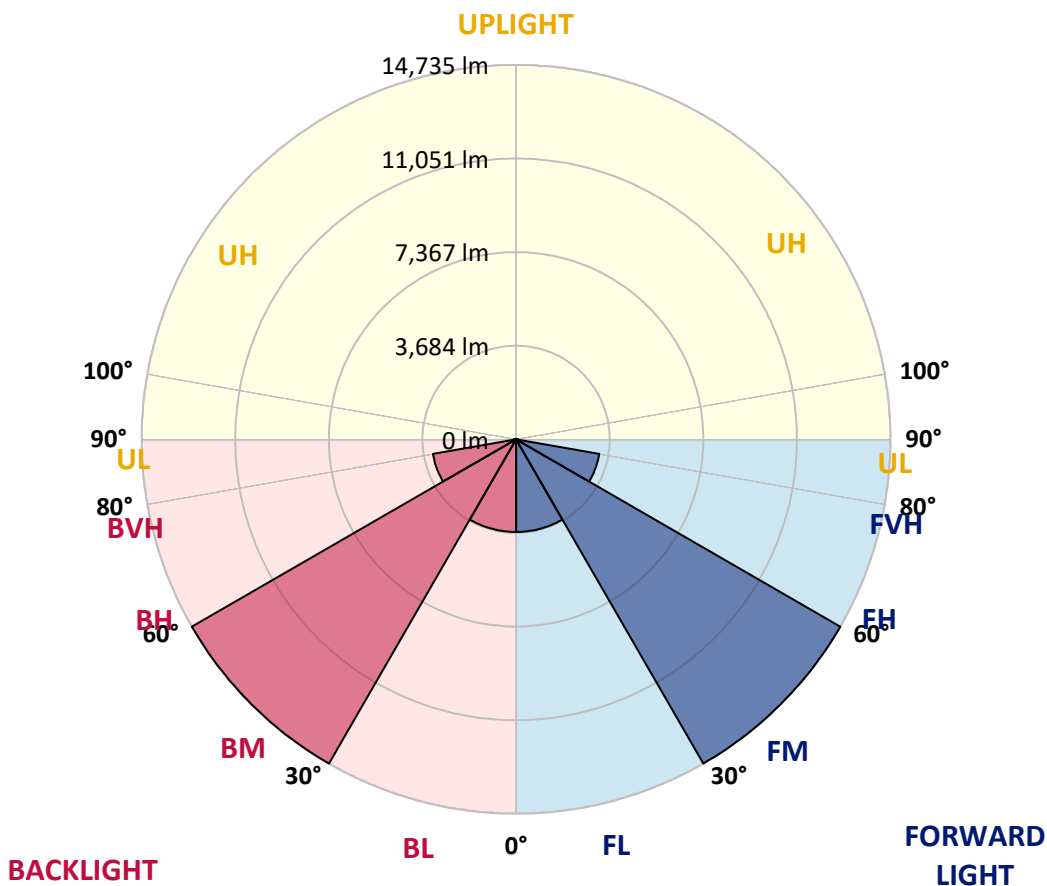
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3644.6	8.4			
FM (30°-60°)	14734.9	33.8			
FH (60°-80°)	3322.3	7.6			G2/5000
FVH (80°-90°)	87.2	0.2			G1/100
BL (0°-30°)	3644.6	8.4	B4/5000		
BM (30°-60°)	14734.9	33.8	B5		
BH (60°-80°)	3322.3	7.6	B4/5000		G2/5000
BVH (80°-90°)	87.2	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8338.2	8338.2	8338.2	8338.2	8338.2	8338.2	8338.2	8338.2	8338.2	8338.2	8338.2
2.5°	8288.2	8288.2	8306.0	8323.9	8331.0	8363.1	8359.6	8348.9	8341.7	8320.3	8348.9
5°	8306.0	8306.0	8320.3	8331.0	8327.4	8352.4	8341.7	8323.9	8313.2	8291.8	8323.9
7.5°	8302.5	8302.5	8313.2	8323.9	8316.7	8338.2	8320.3	8295.3	8277.5	8256.1	8284.6
10°	8256.1	8263.2	8273.9	8298.9	8309.6	8341.7	8316.7	8277.5	8249.0	8224.0	8252.5
12.5°	8249.0	8256.1	8270.4	8302.5	8320.3	8366.7	8334.6	8270.4	8227.5	8195.4	8224.0
15°	8281.1	8288.2	8309.6	8348.9	8377.4	8427.3	8381.0	8291.8	8231.1	8188.3	8213.3
17.5°	8320.3	8331.0	8363.1	8420.2	8466.6	8520.1	8463.0	8356.0	8270.4	8213.3	8234.7
20°	8363.1	8377.4	8427.3	8513.0	8598.6	8666.4	8595.0	8452.3	8348.9	8273.9	8295.3
22.5°	8438.1	8455.9	8520.1	8641.4	8769.9	8869.8	8780.6	8587.9	8452.3	8356.0	8373.8
25°	8591.5	8612.9	8694.9	8841.2	9023.2	9144.5	9019.6	8802.0	8612.9	8495.1	8513.0
27.5°	8862.6	8873.3	8980.4	9173.0	9397.8	9537.0	9387.1	9130.2	8919.7	8784.1	8798.4
30°	9219.4	9251.5	9358.6	9611.9	9879.5	10065.0	9868.8	9565.5	9322.9	9158.8	9173.0
32.5°	9654.7	9676.1	9836.7	10100.7	10486.0	10700.1	10432.5	10072.1	9779.6	9579.8	9594.0
35°	10225.6	10243.4	10396.8	10732.2	11199.6	11399.4	11092.6	10678.7	10339.7	10150.6	10204.2
37.5°	10907.0	10939.1	11049.7	11381.6	11902.5	12098.7	11745.5	11360.2	11006.9	10832.1	10871.4
40°	11638.4	11634.9	11724.1	12016.6	12491.2	12612.5	12294.9	11988.1	11684.8	11570.7	11634.9
42.5°	12266.4	12248.6	12312.8	12555.4	12883.6	12894.3	12683.8	12512.6	12298.5	12220.0	12280.7
45°	12705.2	12712.4	12808.7	12976.4	13144.1	13054.9	12990.7	12962.1	12794.4	12687.4	12698.1
47.5°	13051.3	13079.9	13233.3	13347.5	13368.9	13219.0	13308.2	13351.0	13211.9	13047.8	13001.4
50°	13358.2	13404.6	13604.4	13725.7	13679.3	13490.2	13665.0	13729.2	13422.4	13108.4	13015.7
52.5°	13914.8	13968.3	14210.9	14367.9	14314.4	14125.3	14289.4	14061.0	13543.7	13158.4	13040.6
55°	14803.2	14828.1	15124.3	15381.2	15356.2	15124.3	14992.3	14485.6	13857.7	13458.1	13347.5
57.5°	14614.1	14656.9	15170.7	15855.7	16241.0	16030.5	15256.3	14392.9	13540.1	13058.5	12908.6
60°	11499.3	11602.8	12241.4	13447.4	14860.2	14856.7	13418.8	12077.3	11049.7	10411.1	10346.9
62.5°	6714.8	6786.1	7367.7	8587.9	9854.5	9933.0	8923.3	8002.8	7103.7	6671.9	6465.0
65°	3179.0	3175.4	3407.3	3956.8	4813.1	4880.9	4577.6	4074.5	3542.9	3396.6	3357.4
67.5°	2347.7	2347.7	2329.8	2369.1	2533.2	2568.9	2533.2	2451.1	2401.2	2433.3	2411.9
70°	2037.3	2040.8	2019.4	2008.7	2008.7	1998.0	2012.3	2044.4	2065.8	2108.6	2087.2
72.5°	1651.9	1655.5	1655.5	1659.1	1662.6	1648.4	1669.8	1687.6	1691.2	1705.4	1691.2
75°	1173.8	1181.0	1202.4	1220.2	1234.5	1234.5	1241.6	1245.2	1230.9	1248.8	1220.2
77.5°	645.8	652.9	692.2	724.3	756.4	760.0	770.7	777.8	770.7	784.9	763.5
80°	356.8	363.9	381.8	396.0	421.0	442.4	456.7	463.8	463.8	474.5	463.8
82.5°	203.4	210.5	221.2	228.3	249.8	267.6	281.9	292.6	292.6	296.1	289.0
85°	96.3	96.3	103.5	110.6	121.3	128.4	146.3	157.0	157.0	164.1	157.0
87.5°	14.3	17.8	21.4	21.4	28.5	35.7	42.8	46.4	53.5	57.1	57.1
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)