

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: P643735

Luminaire Tested: GWS-SA6F-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643735  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6F-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

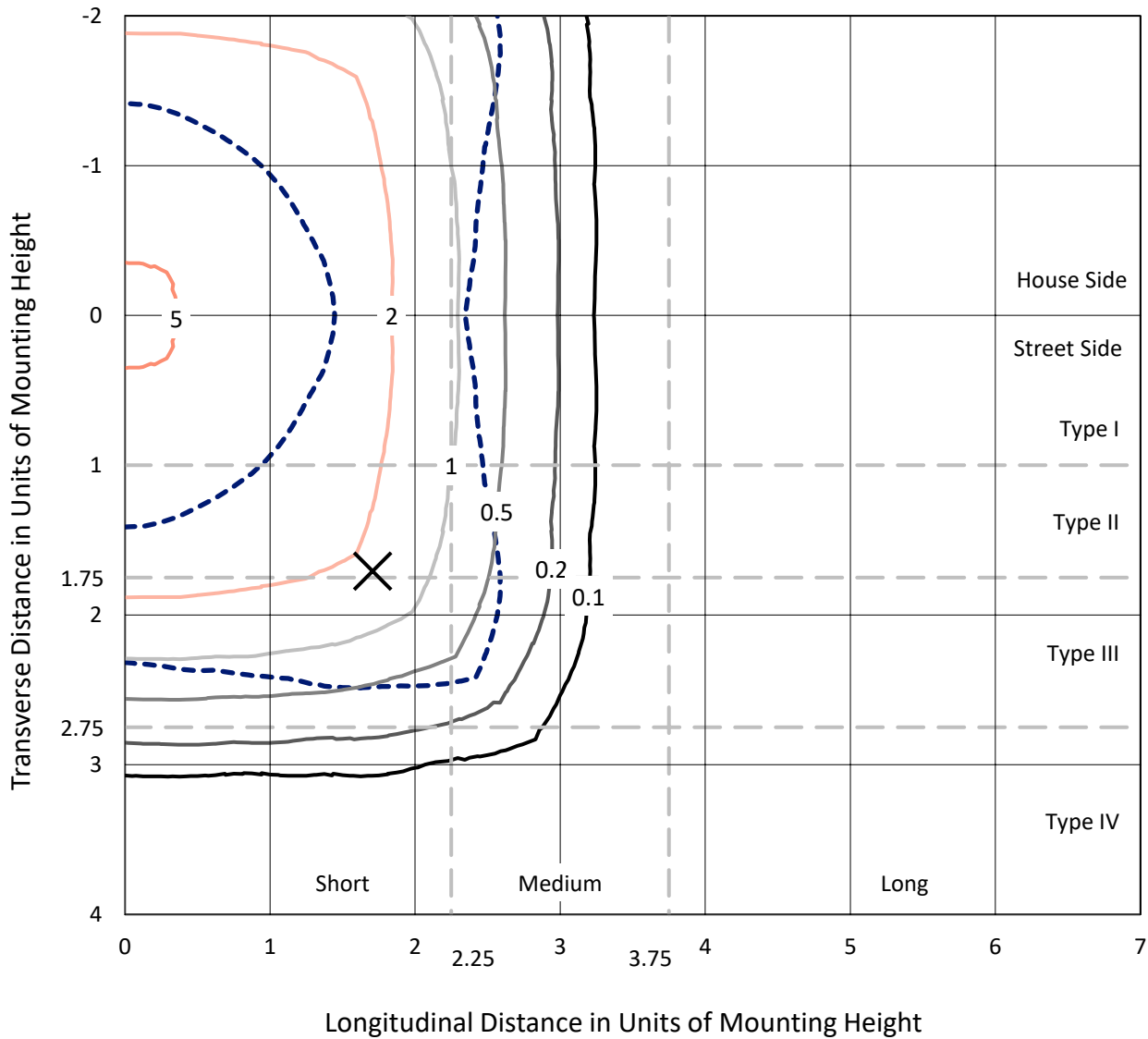
Lumens per Lamp: N/A  
Luminaire Lumens: 52722.6 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

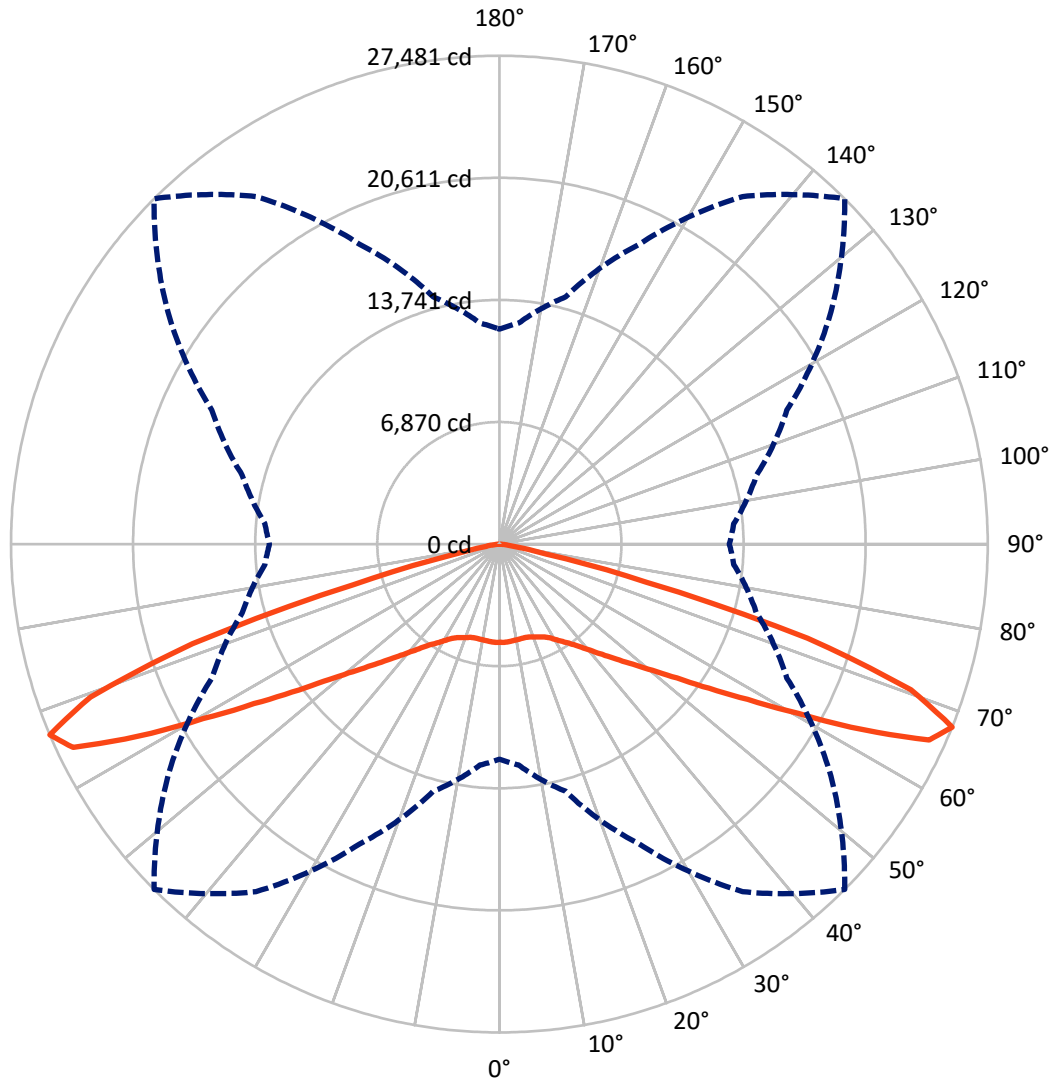
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26361.3	0.0	26361.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26361.3	0.0	26361.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52722.6	0.0	52722.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	522.6	1.0
10°-20°	1535.0	2.9
20°-30°	2647.4	5.0
30°-40°	4304.8	8.2
40°-50°	7248.3	13.7
50°-60°	12842.7	24.4
60°-70°	18357.7	34.8
70°-80°	5038.4	9.6
80°-90°	225.7	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°	52722.6	100.0
0°-180°	52722.6	100.0

**Coefficient of Utilization**



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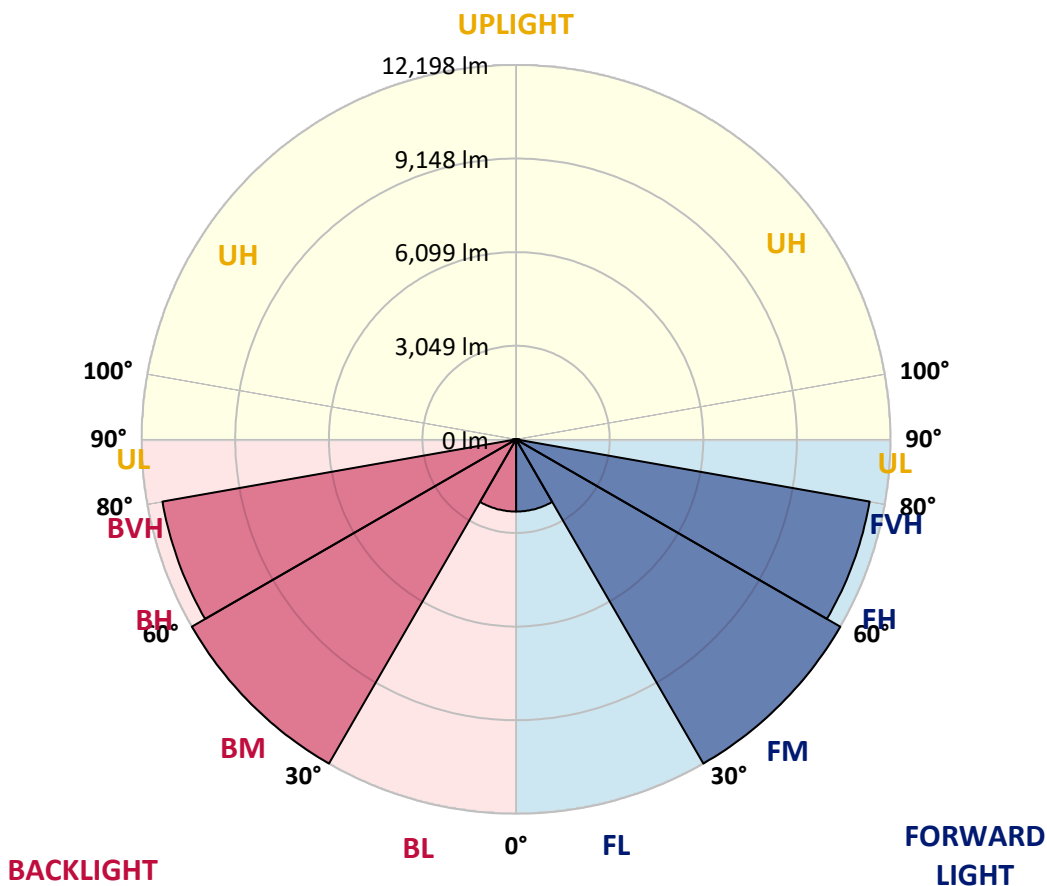
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2352.5	4.5			
FM (30°-60°)	12197.9	23.1			
FH (60°-80°)	11698.1	22.2			G4/12000
FVH (80°-90°)	112.9	0.2			G2/225
BL (0°-30°)	2352.5	4.5	B3/2500		
BM (30°-60°)	12197.9	23.1	B5		
BH (60°-80°)	11698.1	22.2	B5		G4/12000
BVH (80°-90°)	112.9	0.2			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5521.8	5521.8	5521.8	5521.8	5521.8	5521.8	5521.8	5521.8	5521.8	5521.8	5521.8
2.5°	5485.3	5481.6	5499.9	5510.8	5507.2	5532.7	5529.1	5521.8	5521.8	5510.8	5540.0
5°	5485.3	5481.6	5496.2	5499.9	5492.6	5514.5	5507.2	5499.9	5499.9	5485.3	5510.8
7.5°	5456.1	5459.7	5470.7	5478.0	5470.7	5488.9	5478.0	5463.4	5459.7	5445.1	5470.7
10°	5401.3	5405.0	5415.9	5434.2	5437.8	5470.7	5452.4	5426.9	5415.9	5401.3	5426.9
12.5°	5368.5	5372.1	5383.1	5405.0	5412.3	5456.1	5437.8	5397.7	5379.4	5364.8	5390.4
15°	5361.2	5364.8	5379.4	5401.3	5412.3	5456.1	5437.8	5390.4	5364.8	5346.6	5368.5
17.5°	5361.2	5368.5	5390.4	5423.2	5445.1	5488.9	5467.0	5412.3	5375.8	5342.9	5364.8
20°	5364.8	5375.8	5408.6	5456.1	5510.8	5572.9	5543.7	5470.7	5419.6	5379.4	5394.0
22.5°	5397.7	5415.9	5456.1	5518.1	5598.4	5671.4	5645.8	5547.3	5474.3	5419.6	5434.2
25°	5510.8	5518.1	5569.2	5649.5	5726.1	5788.2	5762.6	5671.4	5580.2	5514.5	5532.7
27.5°	5711.5	5729.8	5773.6	5857.5	5923.2	5956.1	5952.4	5890.4	5799.1	5740.7	5755.3
30°	5952.4	5970.7	6029.1	6123.9	6189.6	6226.1	6215.2	6167.7	6083.8	6003.5	6018.1
32.5°	6233.4	6240.7	6310.1	6415.9	6485.2	6540.0	6503.5	6452.4	6346.6	6251.7	6259.0
35°	6591.1	6602.0	6675.0	6773.6	6828.3	6872.1	6864.8	6813.7	6700.6	6598.4	6623.9
37.5°	7040.0	7047.3	7113.0	7237.1	7280.8	7313.7	7321.0	7295.4	7178.7	7047.3	7072.8
40°	7598.4	7602.0	7675.0	7784.5	7831.9	7853.8	7857.5	7861.1	7740.7	7642.1	7634.9
42.5°	8248.0	8266.2	8368.4	8474.2	8496.1	8485.2	8521.7	8558.2	8441.4	8306.4	8317.3
45°	9025.3	9036.3	9175.0	9291.7	9251.6	9215.1	9284.4	9357.4	9251.6	9076.4	9025.3
47.5°	9945.0	9966.9	10116.5	10233.3	10167.6	10101.9	10215.1	10291.7	10120.2	9934.1	9886.6
50°	10985.1	10999.7	11211.4	11357.4	11280.7	11160.3	11302.6	11382.9	11153.0	10923.1	10820.9
52.5°	12215.0	12185.8	12466.8	12722.3	12674.9	12517.9	12634.7	12649.3	12306.3	11981.5	11879.3
55°	13715.0	13685.8	13966.8	14247.8	14364.6	14324.5	14269.7	14182.1	13674.8	13328.1	13233.3
57.5°	15463.1	15371.9	15766.0	16145.6	16401.1	16474.1	16240.5	16036.1	15634.7	15207.7	15098.2
60°	17087.2	17083.5	17707.6	18364.5	19065.2	19357.2	18766.0	18211.2	17309.8	16532.4	16375.5
62.5°	17543.4	17620.0	18641.9	20269.6	21999.5	23032.3	21473.9	19638.2	17897.4	16725.9	16517.8
65°	16419.3	16609.1	18061.6	20630.9	24046.9	26572.3	23054.2	19671.1	17244.1	15784.3	15565.3
67.5°	12101.9	12481.4	14404.8	18616.3	23871.7	27481.1	22773.2	17849.9	14977.7	13240.6	12937.6
70°	5970.7	6332.0	7857.5	12247.9	19641.9	24565.1	19703.9	13452.2	10116.5	8445.1	8167.7
72.5°	2197.0	2343.0	2941.5	5240.7	10839.2	18145.5	13474.1	7514.4	4901.3	3901.4	3715.2
75°	1076.6	1102.2	1193.4	1759.1	3999.9	8539.9	6332.0	2883.1	1802.9	1569.3	1518.2
77.5°	686.1	697.1	740.9	839.4	1284.6	2689.7	1919.7	1138.7	883.2	846.7	846.7
80°	383.2	394.2	452.5	521.9	602.2	923.3	689.8	682.5	580.3	507.3	496.3
82.5°	182.5	200.7	288.3	284.7	317.5	463.5	405.1	368.6	372.3	281.0	266.4
85°	83.9	83.9	113.1	135.0	142.3	156.9	186.1	211.7	208.0	142.3	153.3
87.5°	40.1	40.1	40.1	36.5	32.8	29.2	40.1	65.7	94.9	65.7	62.0
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)