

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: P643683

Luminaire Tested: GWS-SA6F-740-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643683  
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-740-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

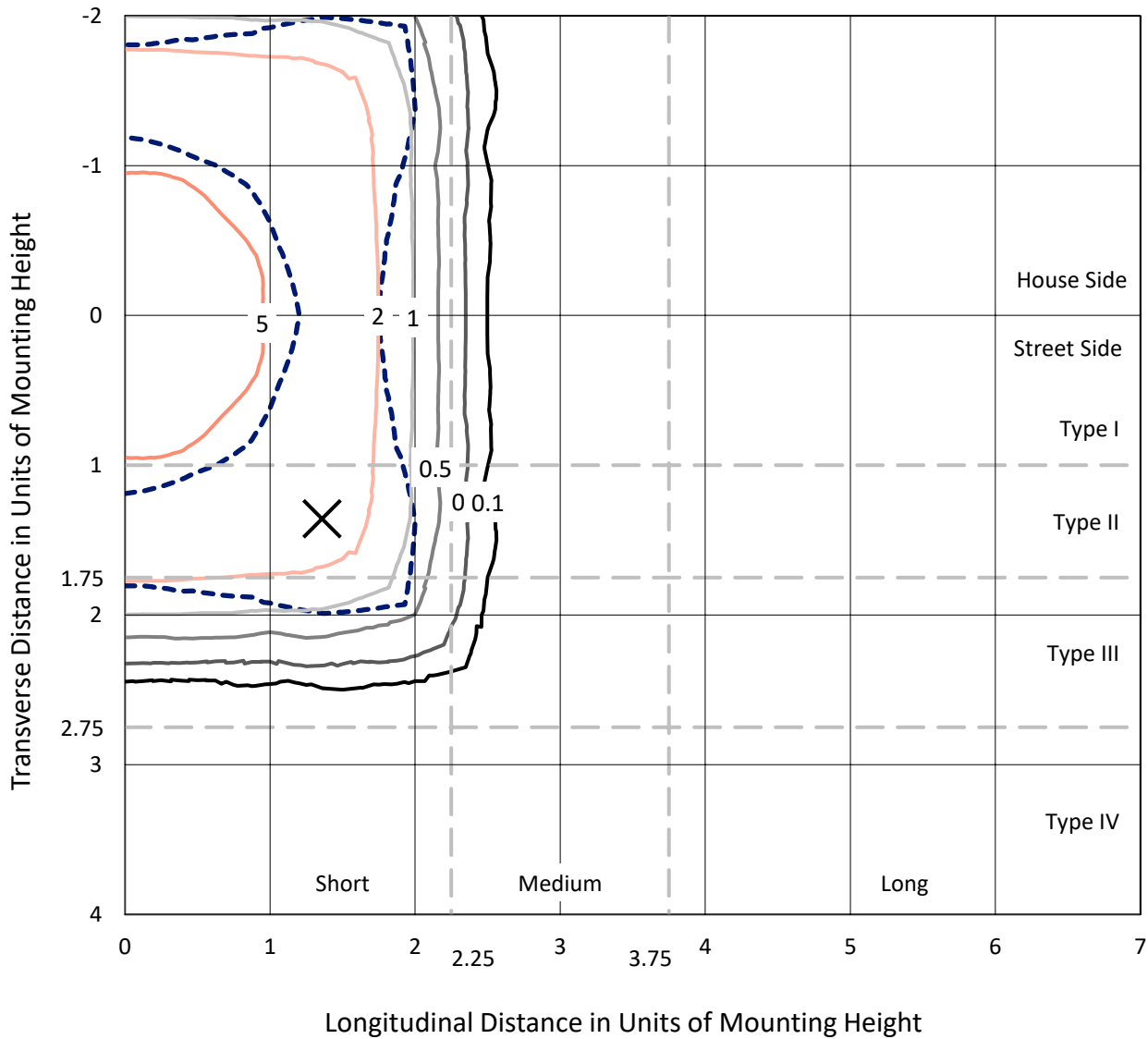
Lumens per Lamp: N/A  
Luminaire Lumens: 52019.6 lumens  
Efficiency: N/A  
Efficacy: 139.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

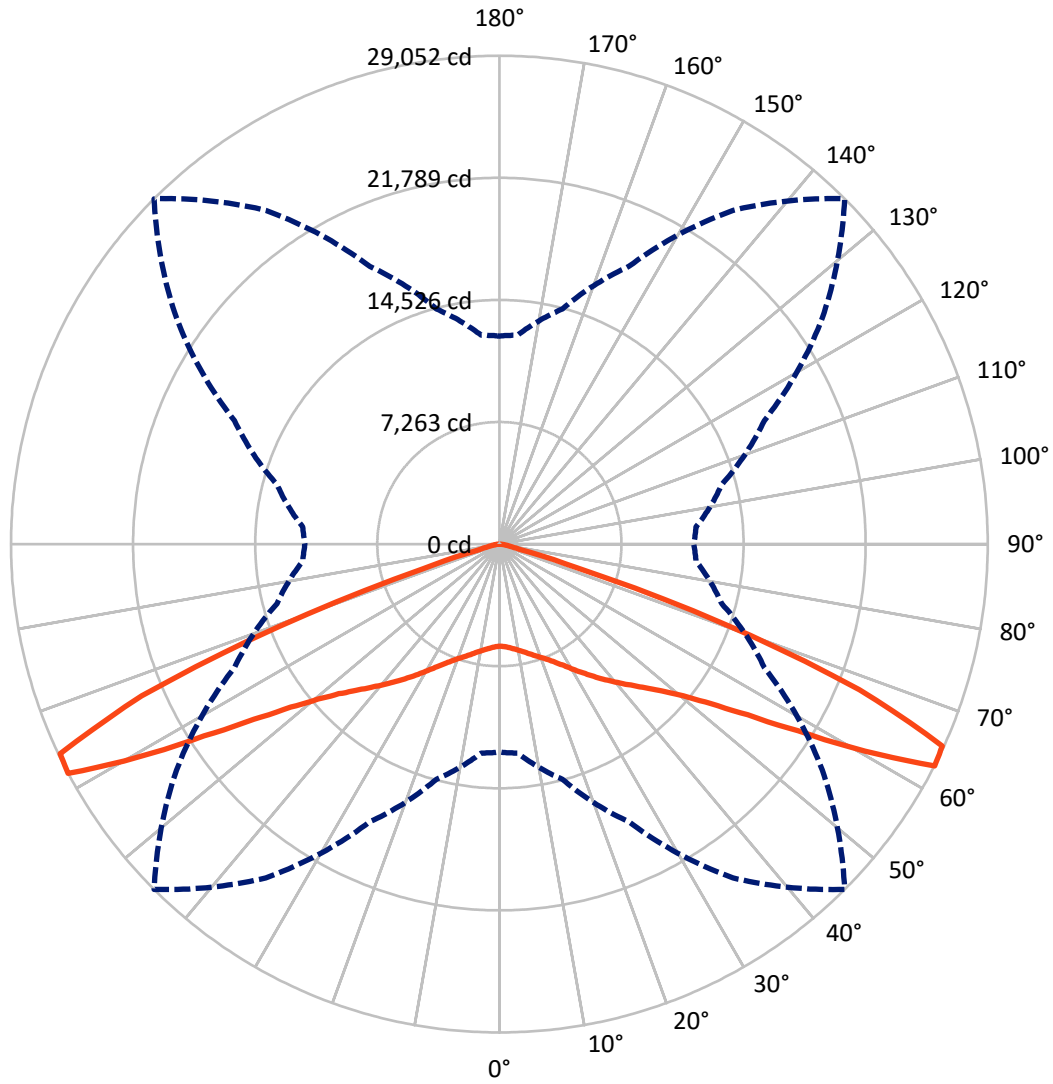
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26009.8	0.0	26009.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26009.8	0.0	26009.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52019.6	0.0	52019.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	595.4	1.1
10°-20°	1920.2	3.7
20°-30°	3632.7	7.0
30°-40°	6114.4	11.8
40°-50°	9769.0	18.8
50°-60°	15747.1	30.3
60°-70°	12847.9	24.7
70°-80°	1247.6	2.4
80°-90°	145.2	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°	52019.6	100.0
0°-180°	52019.6	100.0

**Coefficient of Utilization**



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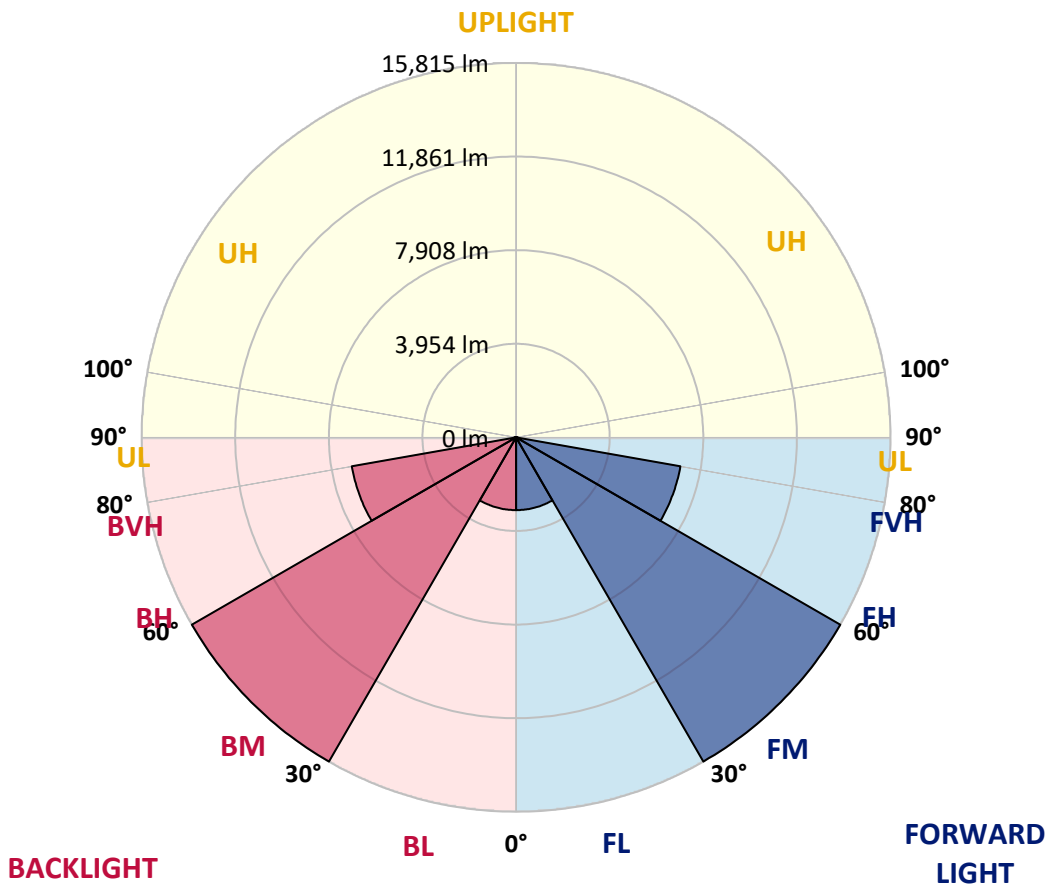
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3074.2	5.9			
FM (30°-60°)	15815.3	30.4			
FH (60°-80°)	7047.8	13.5			G3/7500
FVH (80°-90°)	72.6	0.1			G1/100
BL (0°-30°)	3074.2	5.9	B4/5000		
BM (30°-60°)	15815.3	30.4	B5		
BH (60°-80°)	7047.8	13.5	B5		G3/7500
BVH (80°-90°)	72.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6068.8	6068.8	6068.8	6068.8	6068.8	6068.8	6068.8	6068.8	6068.8	6068.8	6068.8
2.5°	6061.7	6061.7	6075.9	6086.6	6079.5	6108.0	6104.5	6097.3	6093.8	6083.1	6115.2
5°	6143.7	6143.7	6154.4	6165.1	6147.3	6183.0	6168.7	6161.6	6158.0	6143.7	6172.3
7.5°	6236.5	6247.2	6250.7	6268.6	6257.9	6297.1	6286.4	6272.2	6265.0	6247.2	6272.2
10°	6339.9	6347.1	6350.6	6382.8	6386.3	6432.7	6422.0	6404.2	6389.9	6372.0	6407.7
12.5°	6479.1	6482.6	6493.4	6532.6	6543.3	6579.0	6575.4	6550.4	6532.6	6507.6	6546.9
15°	6657.5	6661.0	6678.9	6718.1	6736.0	6778.8	6764.5	6725.3	6700.3	6671.7	6703.9
17.5°	6843.0	6857.3	6875.1	6914.4	6939.3	6989.3	6971.4	6928.6	6907.2	6878.7	6900.1
20°	7082.0	7085.6	7096.3	7139.1	7157.0	7214.0	7217.6	7174.8	7164.1	7135.6	7167.7
22.5°	7346.1	7349.6	7360.3	7406.7	7438.8	7474.5	7495.9	7470.9	7453.1	7417.4	7456.7
25°	7638.6	7674.3	7685.0	7742.1	7777.8	7799.2	7824.1	7813.4	7788.5	7745.6	7763.5
27.5°	8048.9	8056.0	8073.9	8138.1	8159.5	8180.9	8205.9	8209.5	8173.8	8123.8	8148.8
30°	8516.3	8512.7	8552.0	8601.9	8619.7	8637.6	8673.3	8694.7	8648.3	8594.8	8619.7
32.5°	8994.4	9037.2	9087.1	9133.5	9122.8	9129.9	9187.0	9226.3	9162.1	9065.7	9087.1
35°	9533.1	9561.6	9625.9	9693.6	9679.4	9668.7	9704.4	9743.6	9654.4	9529.5	9561.6
37.5°	10086.1	10128.9	10225.2	10307.3	10285.9	10236.0	10275.2	10318.0	10232.4	10089.7	10075.4
40°	10703.3	10771.1	10910.3	10978.0	10921.0	10824.6	10892.4	10995.9	10910.3	10746.1	10706.9
42.5°	11427.6	11509.6	11648.8	11752.3	11627.4	11470.4	11584.6	11734.4	11713.0	11495.4	11427.6
45°	12323.1	12376.6	12547.9	12597.8	12412.3	12194.7	12401.6	12629.9	12576.4	12340.9	12251.7
47.5°	13297.1	13379.2	13529.0	13621.8	13322.1	13050.9	13339.9	13646.7	13589.7	13368.5	13265.0
50°	14538.7	14645.7	14842.0	14920.4	14506.6	14196.2	14567.2	14956.1	14845.5	14549.4	14413.8
52.5°	15890.9	15976.5	16311.9	16468.9	16080.0	15744.6	16069.3	16451.0	16215.5	15823.1	15641.1
55°	17082.5	17168.1	17660.5	18181.4	18163.6	17931.6	18095.8	18102.9	17464.3	16814.9	16622.3
57.5°	17339.4	17425.0	18363.3	19726.2	20689.5	20957.1	20475.5	19462.2	17853.2	16715.0	16497.4
60°	15969.4	16065.7	17557.0	20047.3	23215.5	25003.0	22783.8	19433.7	16650.8	15109.5	14902.6
62.5°	12373.0	12476.5	14481.6	18220.6	24235.9	29052.4	23454.6	17389.3	13696.7	11745.1	11563.2
65°	5908.2	5908.2	8455.6	13068.8	22202.3	28956.1	21513.7	12865.4	8245.1	6332.8	6175.8
67.5°	1462.8	1469.9	2176.3	5087.6	15102.4	23108.5	15348.6	6175.8	2904.2	2055.0	2001.5
70°	913.4	909.8	1009.7	1377.2	5283.9	14024.9	6275.7	1862.4	1180.9	1041.8	1034.7
72.5°	710.0	710.0	759.9	881.2	1384.3	4777.3	1830.3	1034.7	856.3	770.6	770.6
75°	560.1	560.1	595.8	660.0	817.0	1230.9	974.0	767.1	663.6	606.5	599.4
77.5°	417.4	424.6	453.1	495.9	556.6	692.1	617.2	578.0	517.3	474.5	460.2
80°	271.2	281.9	317.5	342.5	363.9	456.7	403.2	421.0	392.5	342.5	335.4
82.5°	146.3	149.8	192.7	199.8	206.9	249.7	256.9	267.6	278.3	217.6	203.4
85°	53.5	53.5	64.2	74.9	82.1	89.2	121.3	149.8	157.0	124.9	121.3
87.5°	10.7	10.7	10.7	7.1	7.1	7.1	21.4	39.2	64.2	49.9	49.9
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)