

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: P643680

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643680
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-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51541.5 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

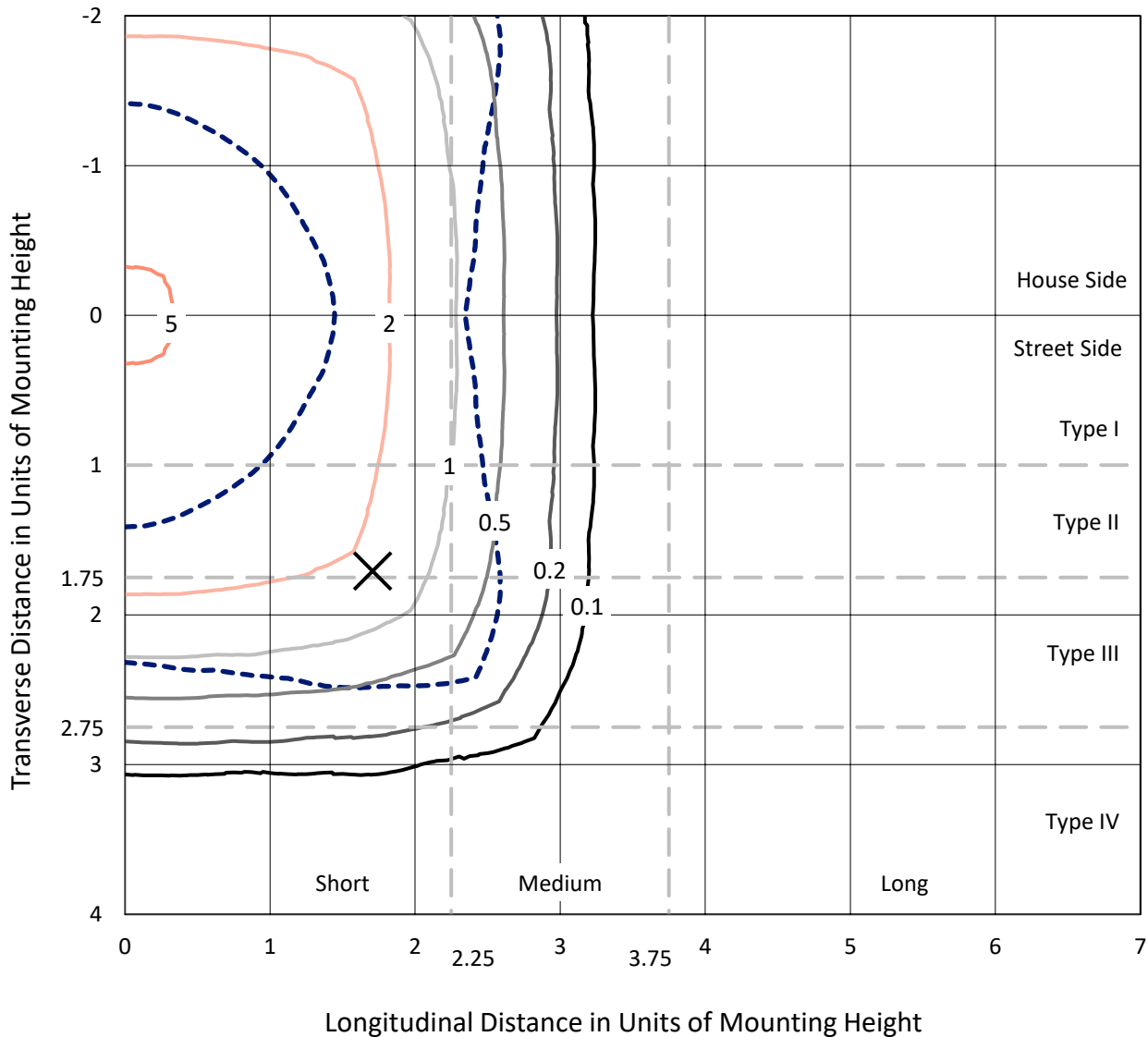
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

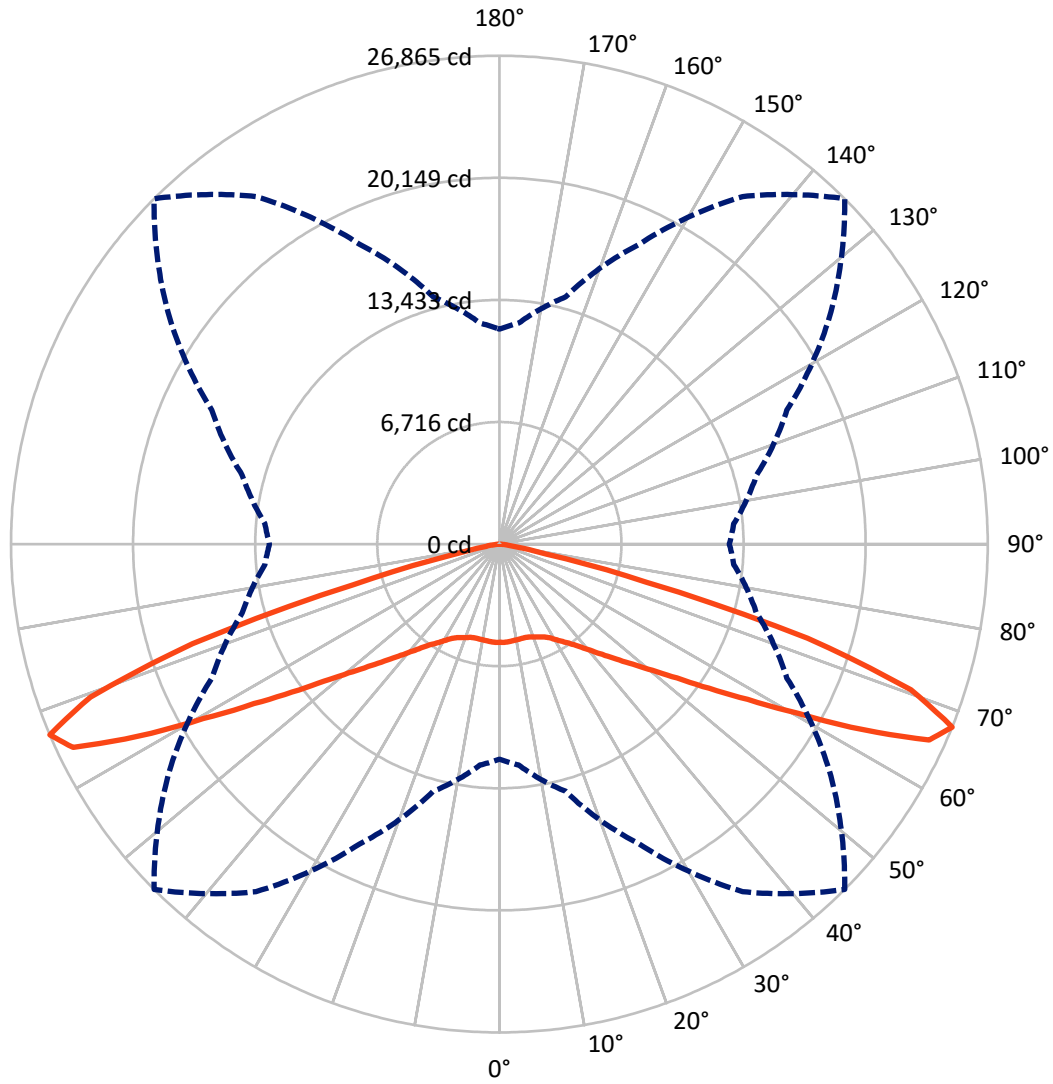
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6 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
House Side	Lumens	25770.7	0.0	25770.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25770.7	0.0	25770.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	51541.5	0.0	51541.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.9	1.0
10°-20°	1500.6	2.9
20°-30°	2588.1	5.0
30°-40°	4208.3	8.2
40°-50°	7085.9	13.7
50°-60°	12555.0	24.4
60°-70°	17946.4	34.8
70°-80°	4925.6	9.6
80°-90°	220.7	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°	51541.5	100.0
0°-180°	51541.5	100.0

Coefficient of Utilization



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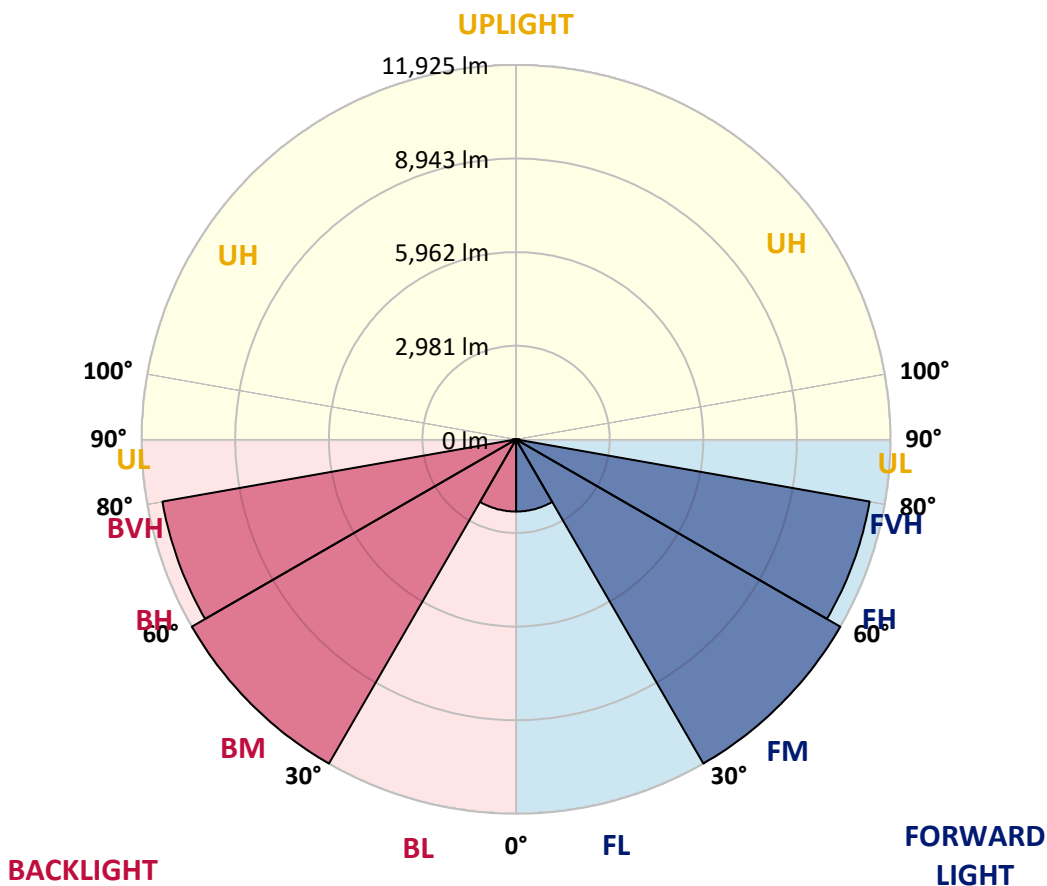
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2299.8	4.5			
FM (30°-60°)	11924.6	23.1			
FH (60°-80°)	11436.0	22.2			G4/12000
FVH (80°-90°)	110.3	0.2			G2/225
BL (0°-30°)	2299.8	4.5	B3/2500		
BM (30°-60°)	11924.6	23.1	B5		
BH (60°-80°)	11436.0	22.2	B5		G4/12000
BVH (80°-90°)	110.3	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°	5398.1	5398.1	5398.1	5398.1	5398.1	5398.1	5398.1	5398.1	5398.1	5398.1	5398.1
2.5°	5362.4	5358.8	5376.7	5387.4	5383.8	5408.8	5405.2	5398.1	5398.1	5387.4	5415.9
5°	5362.4	5358.8	5373.1	5376.7	5369.5	5390.9	5383.8	5376.7	5376.7	5362.4	5387.4
7.5°	5333.8	5337.4	5348.1	5355.3	5348.1	5366.0	5355.3	5341.0	5337.4	5323.1	5348.1
10°	5280.3	5283.9	5294.6	5312.4	5316.0	5348.1	5330.3	5305.3	5294.6	5280.3	5305.3
12.5°	5248.2	5251.8	5262.5	5283.9	5291.0	5333.8	5316.0	5276.8	5258.9	5244.6	5269.6
15°	5241.1	5244.6	5258.9	5280.3	5291.0	5333.8	5316.0	5269.6	5244.6	5226.8	5248.2
17.5°	5241.1	5248.2	5269.6	5301.7	5323.1	5366.0	5344.5	5291.0	5255.4	5223.2	5244.6
20°	5244.6	5255.4	5287.5	5333.8	5387.4	5448.0	5419.5	5348.1	5298.2	5258.9	5273.2
22.5°	5276.8	5294.6	5333.8	5394.5	5473.0	5544.3	5519.4	5423.0	5351.7	5298.2	5312.4
25°	5387.4	5394.5	5444.4	5522.9	5597.9	5658.5	5633.5	5544.3	5455.1	5390.9	5408.8
27.5°	5583.6	5601.4	5644.2	5726.3	5790.5	5822.6	5819.1	5758.4	5669.2	5612.1	5626.4
30°	5819.1	5836.9	5894.0	5986.7	6051.0	6086.6	6075.9	6029.6	5947.5	5869.0	5883.3
32.5°	6093.8	6100.9	6168.7	6272.2	6340.0	6393.5	6357.8	6307.9	6204.4	6111.6	6118.8
35°	6443.4	6454.1	6525.5	6621.8	6675.3	6718.1	6711.0	6661.1	6550.5	6450.6	6475.5
37.5°	6882.3	6889.4	6953.6	7074.9	7117.7	7149.8	7157.0	7132.0	7017.8	6889.4	6914.4
40°	7428.1	7431.7	7503.1	7610.1	7656.5	7677.9	7681.4	7685.0	7567.3	7470.9	7463.8
42.5°	8063.2	8081.0	8180.9	8284.4	8305.8	8295.1	8330.8	8366.5	8252.3	8120.3	8131.0
45°	8823.1	8833.8	8969.4	9083.6	9044.3	9008.7	9076.5	9147.8	9044.3	8873.1	8823.1
47.5°	9722.2	9743.6	9889.9	10004.1	9939.9	9875.6	9986.2	10061.2	9893.5	9711.5	9665.1
50°	10739.0	10753.3	10960.2	11103.0	11028.0	10910.3	11049.4	11127.9	10903.2	10678.4	10578.5
52.5°	11941.4	11912.8	12187.6	12437.3	12390.9	12237.5	12351.7	12366.0	12030.6	11713.0	11613.2
55°	13407.7	13379.2	13653.9	13928.6	14042.8	14003.6	13950.1	13864.4	13368.5	13029.6	12936.8
57.5°	15116.7	15027.5	15412.8	15783.9	16033.6	16105.0	15876.7	15676.9	15284.4	14867.0	14759.9
60°	16704.4	16700.8	17310.9	17953.1	18638.1	18923.6	18345.6	17803.3	16922.0	16162.1	16008.7
62.5°	17150.4	17225.3	18224.3	19815.5	21506.6	22516.3	20992.9	19198.3	17496.4	16351.2	16147.8
65°	16051.5	16237.0	17657.0	20168.7	23508.2	25977.1	22537.7	19230.4	16857.8	15430.7	15216.6
67.5°	11830.8	12201.8	14082.1	18199.3	23336.9	26865.4	22263.0	17450.1	14642.2	12943.9	12647.8
70°	5836.9	6190.1	7681.4	11973.5	19201.8	24014.8	19262.5	13150.9	9889.9	8255.9	7984.7
72.5°	2147.8	2290.5	2875.6	5123.3	10596.3	17739.0	13172.3	7346.1	4791.5	3814.0	3632.0
75°	1052.5	1077.5	1166.7	1719.7	3910.3	8348.6	6190.1	2818.6	1762.5	1534.1	1484.2
77.5°	670.7	681.4	724.3	820.6	1255.9	2629.5	1876.7	1113.2	863.4	827.7	827.7
80°	374.6	385.3	442.4	510.2	588.7	902.7	674.3	667.2	567.3	495.9	485.2
82.5°	178.4	196.2	281.9	278.3	310.4	453.1	396.0	360.3	363.9	274.7	260.4
85°	82.1	82.1	110.6	132.0	139.1	153.4	182.0	206.9	203.4	139.1	149.8
87.5°	39.2	39.2	39.2	35.7	32.1	28.5	39.2	64.2	92.8	64.2	60.7
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)