

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: P643625

Luminaire Tested: GWS-SA6F-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643625
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-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50835.1 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

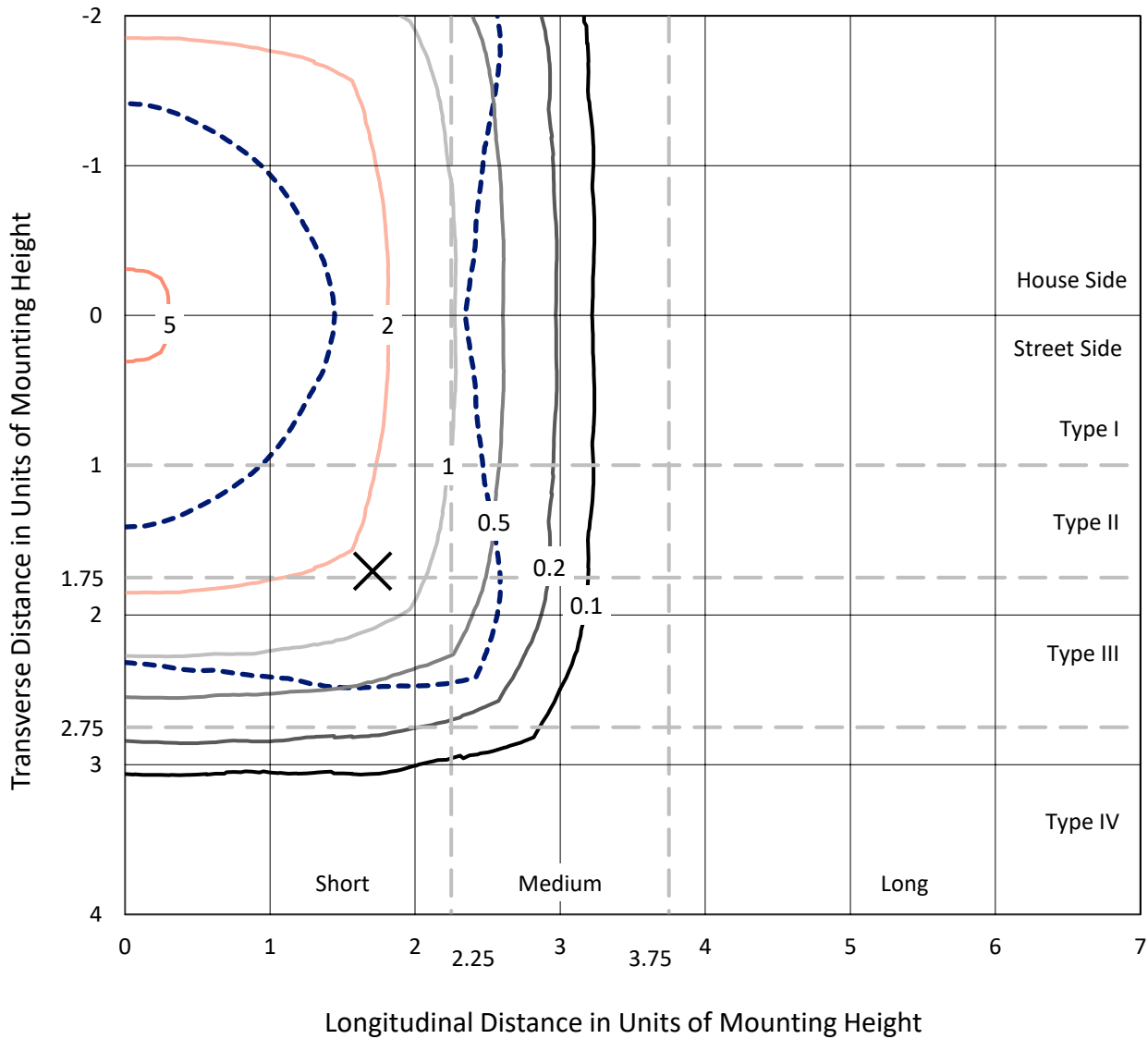
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

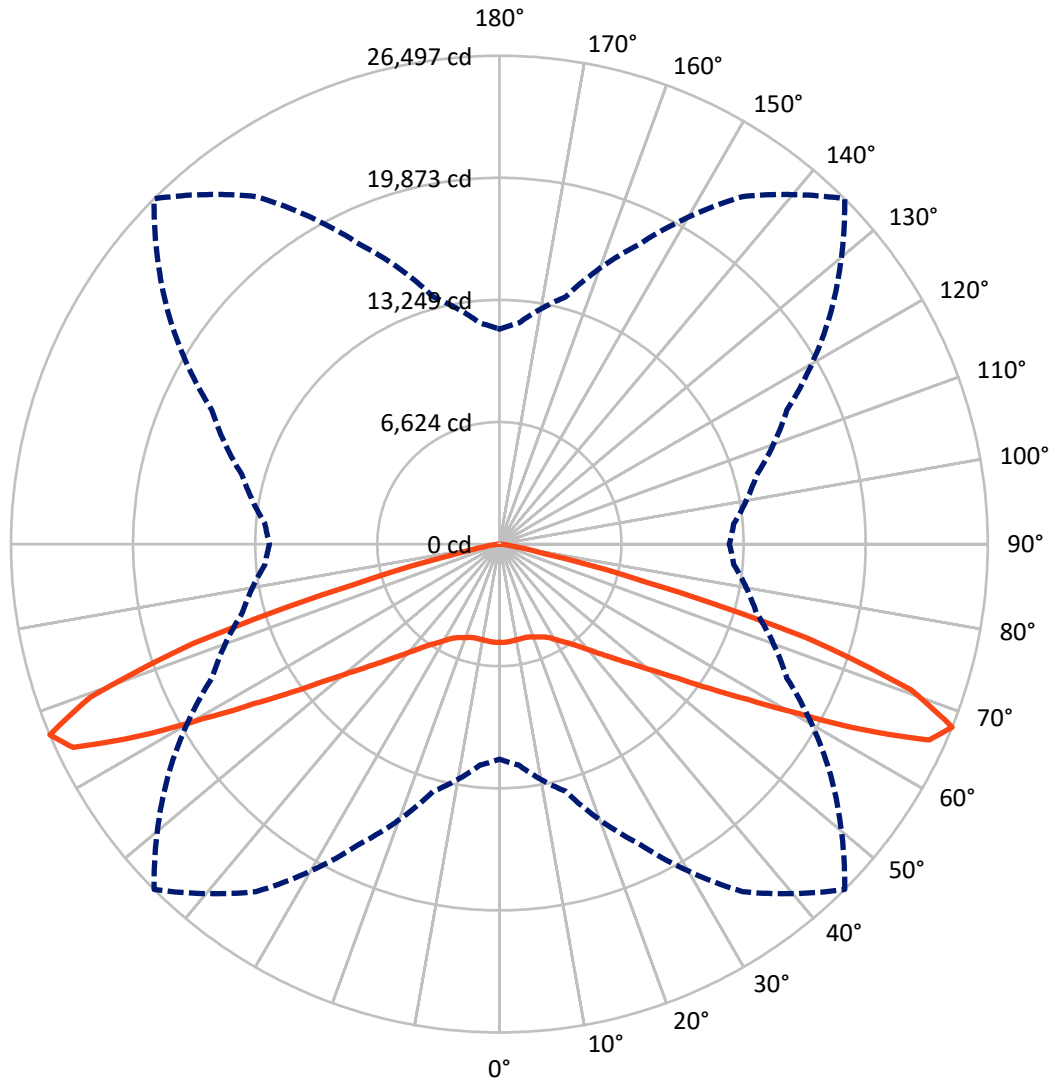
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.9 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	25417.6	0.0	25417.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25417.6	0.0	25417.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	50835.1	0.0	50835.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.9	1.0
10°-20°	1480.0	2.9
20°-30°	2552.6	5.0
30°-40°	4150.6	8.2
40°-50°	6988.8	13.7
50°-60°	12382.9	24.4
60°-70°	17700.5	34.8
70°-80°	4858.1	9.6
80°-90°	217.6	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°	50835.1	100.0
0°-180°	50835.1	100.0

Coefficient of Utilization



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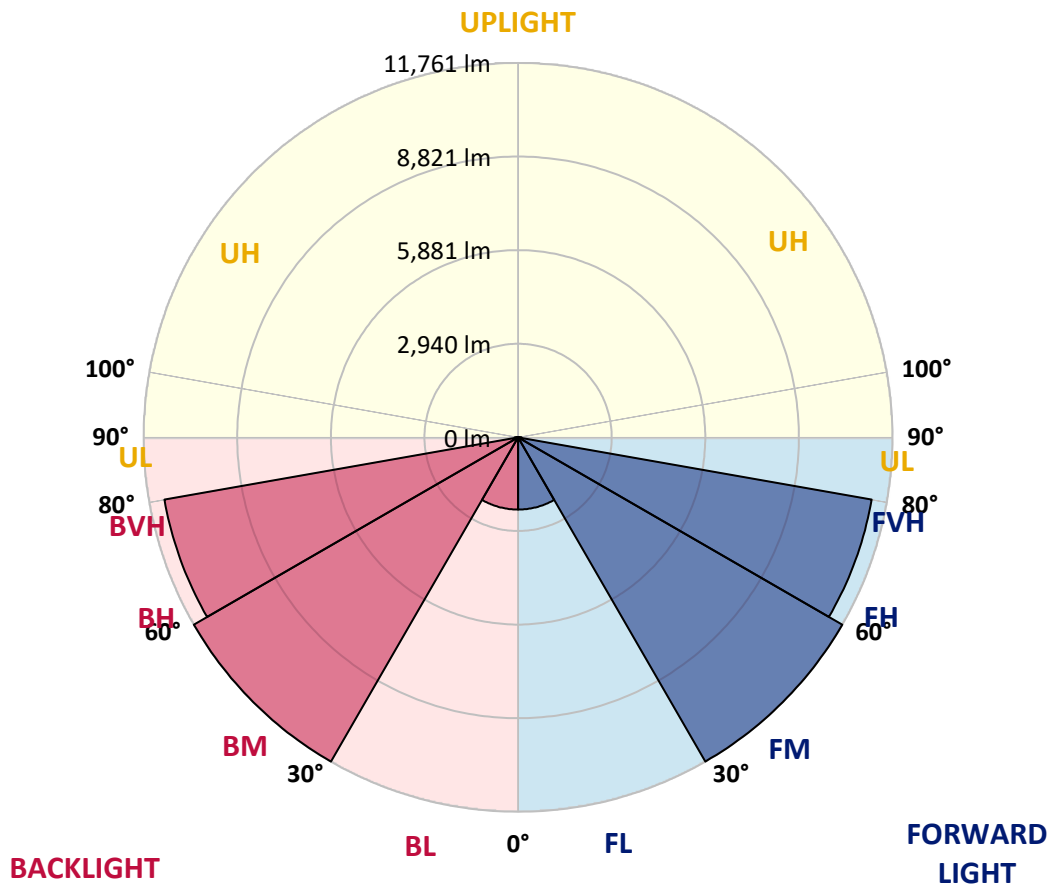
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2268.3	4.5			
FM (30°-60°)	11761.2	23.1			
FH (60°-80°)	11279.3	22.2			G4/12000
FVH (80°-90°)	108.8	0.2			G2/225
BL (0°-30°)	2268.3	4.5	B3/2500		
BM (30°-60°)	11761.2	23.1	B5		
BH (60°-80°)	11279.3	22.2	B5		G4/12000
BVH (80°-90°)	108.8	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°	5324.1	5324.1	5324.1	5324.1	5324.1	5324.1	5324.1	5324.1	5324.1	5324.1	5324.1
2.5°	5288.9	5285.4	5303.0	5313.5	5310.0	5334.6	5331.1	5324.1	5324.1	5313.5	5341.7
5°	5288.9	5285.4	5299.4	5303.0	5295.9	5317.0	5310.0	5303.0	5303.0	5288.9	5313.5
7.5°	5260.7	5264.3	5274.8	5281.9	5274.8	5292.4	5281.9	5267.8	5264.3	5250.2	5274.8
10°	5208.0	5211.5	5222.0	5239.6	5243.1	5274.8	5257.2	5232.6	5222.0	5208.0	5232.6
12.5°	5176.3	5179.8	5190.4	5211.5	5218.5	5260.7	5243.1	5204.4	5186.8	5172.8	5197.4
15°	5169.2	5172.8	5186.8	5208.0	5218.5	5260.7	5243.1	5197.4	5172.8	5155.2	5176.3
17.5°	5169.2	5176.3	5197.4	5229.1	5250.2	5292.4	5271.3	5218.5	5183.3	5151.7	5172.8
20°	5172.8	5183.3	5215.0	5260.7	5313.5	5373.3	5345.2	5274.8	5225.6	5186.8	5200.9
22.5°	5204.4	5222.0	5260.7	5320.6	5398.0	5468.4	5443.7	5348.7	5278.3	5225.6	5239.6
25°	5313.5	5320.6	5369.8	5447.2	5521.1	5581.0	5556.3	5468.4	5380.4	5317.0	5334.6
27.5°	5507.1	5524.7	5566.9	5647.8	5711.2	5742.8	5739.3	5679.5	5591.5	5535.2	5549.3
30°	5739.3	5756.9	5813.2	5904.7	5968.0	6003.2	5992.7	5946.9	5866.0	5788.6	5802.7
32.5°	6010.3	6017.3	6084.2	6186.2	6253.1	6305.9	6270.7	6221.4	6119.4	6027.9	6034.9
35°	6355.1	6365.7	6436.1	6531.1	6583.8	6626.1	6619.0	6569.8	6460.7	6362.2	6386.8
37.5°	6787.9	6795.0	6858.3	6978.0	7020.2	7051.9	7058.9	7034.3	6921.7	6795.0	6819.6
40°	7326.3	7329.8	7400.2	7505.8	7551.5	7572.7	7576.2	7579.7	7463.6	7368.6	7361.5
42.5°	7952.7	7970.3	8068.8	8170.9	8192.0	8181.4	8216.6	8251.8	8139.2	8009.0	8019.6
45°	8702.2	8712.8	8846.5	8959.1	8920.4	8885.2	8952.1	9022.4	8920.4	8751.5	8702.2
47.5°	9589.0	9610.1	9754.4	9867.0	9803.6	9740.3	9849.4	9923.3	9757.9	9578.4	9532.7
50°	10591.9	10605.9	10810.0	10950.8	10876.9	10760.8	10898.0	10975.4	10753.7	10532.0	10433.5
52.5°	11777.7	11749.6	12020.5	12266.9	12221.1	12069.8	12182.4	12196.5	11865.7	11552.5	11454.0
55°	13224.0	13195.8	13466.8	13737.7	13850.4	13811.6	13758.9	13674.4	13185.3	12851.0	12759.5
57.5°	14909.5	14821.6	15201.6	15567.6	15813.9	15884.3	15659.1	15462.0	15074.9	14663.2	14557.6
60°	16475.4	16471.9	17073.7	17707.1	18382.7	18664.2	18094.1	17559.3	16690.1	15940.6	15789.3
62.5°	16915.3	16989.2	17974.5	19543.9	21211.9	22207.7	20705.2	18935.1	17256.6	16127.1	15926.5
65°	15831.5	16014.5	17415.0	19892.3	23186.0	25621.0	22228.8	18966.8	16626.8	15219.2	15008.1
67.5°	11668.6	12034.6	13889.1	17949.9	23017.1	26497.2	21957.9	17210.9	14441.5	12766.5	12474.5
70°	5756.9	6105.3	7576.2	11809.4	18938.7	23685.7	18998.5	12970.6	9754.4	8142.7	7875.3
72.5°	2118.4	2259.1	2836.2	5053.1	10451.1	17495.9	12991.7	7245.4	4725.9	3761.7	3582.2
75°	1038.1	1062.7	1150.7	1696.1	3856.7	8234.2	6105.3	2779.9	1738.3	1513.1	1463.9
77.5°	661.6	672.1	714.3	809.3	1238.6	2593.4	1850.9	1097.9	851.6	816.4	816.4
80°	369.5	380.0	436.3	503.2	580.6	890.3	665.1	658.0	559.5	489.1	478.6
82.5°	175.9	193.5	278.0	274.5	306.1	446.9	390.6	355.4	358.9	271.0	256.9
85°	80.9	80.9	109.1	130.2	137.2	151.3	179.5	204.1	200.6	137.2	147.8
87.5°	38.7	38.7	38.7	35.2	31.7	28.2	38.7	63.3	91.5	63.3	59.8
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)