

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: P643790

Luminaire Tested: GWS-SA6F-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643790
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-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52000 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 - G4

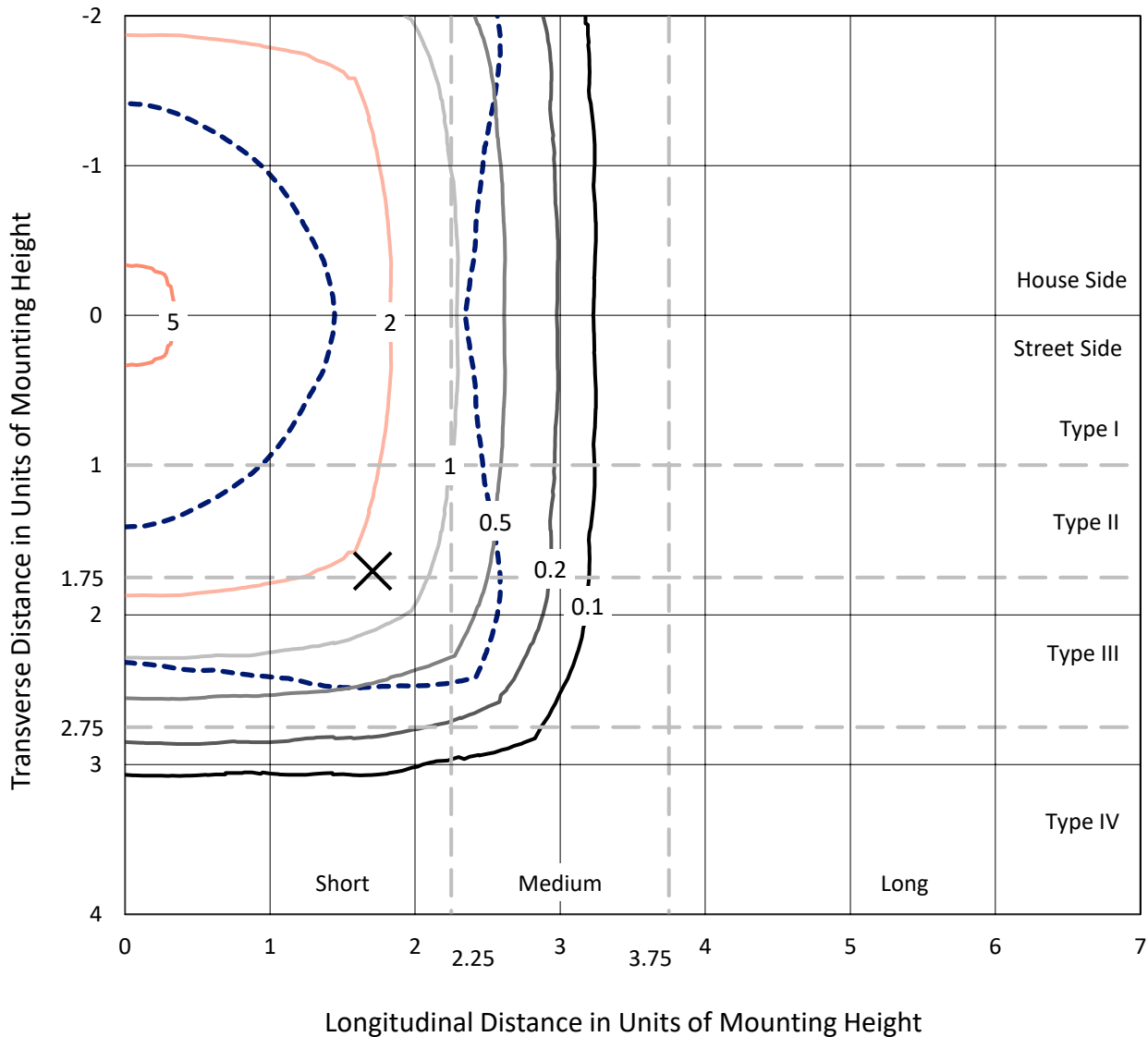
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

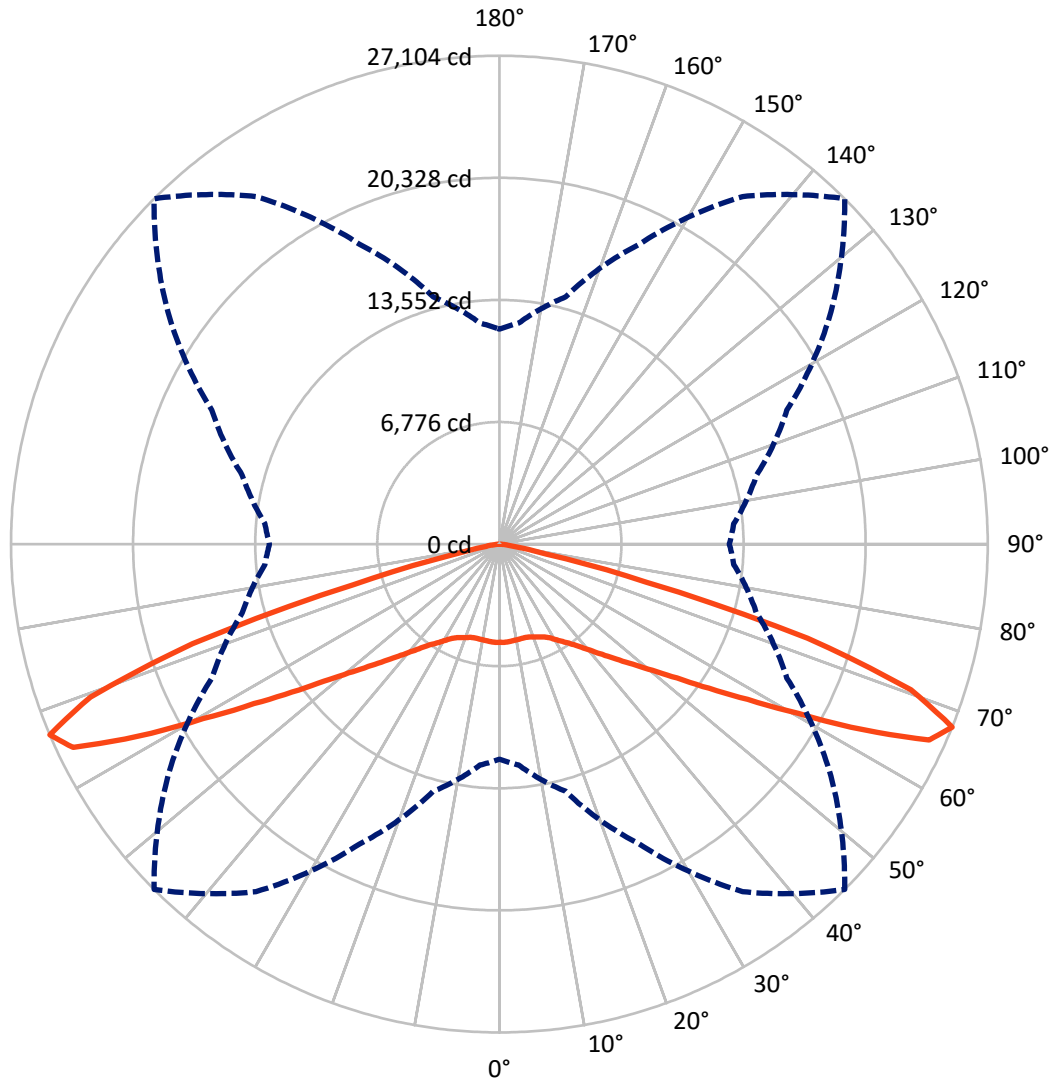
✕ Max cd
 - - - 1/2 Max cd



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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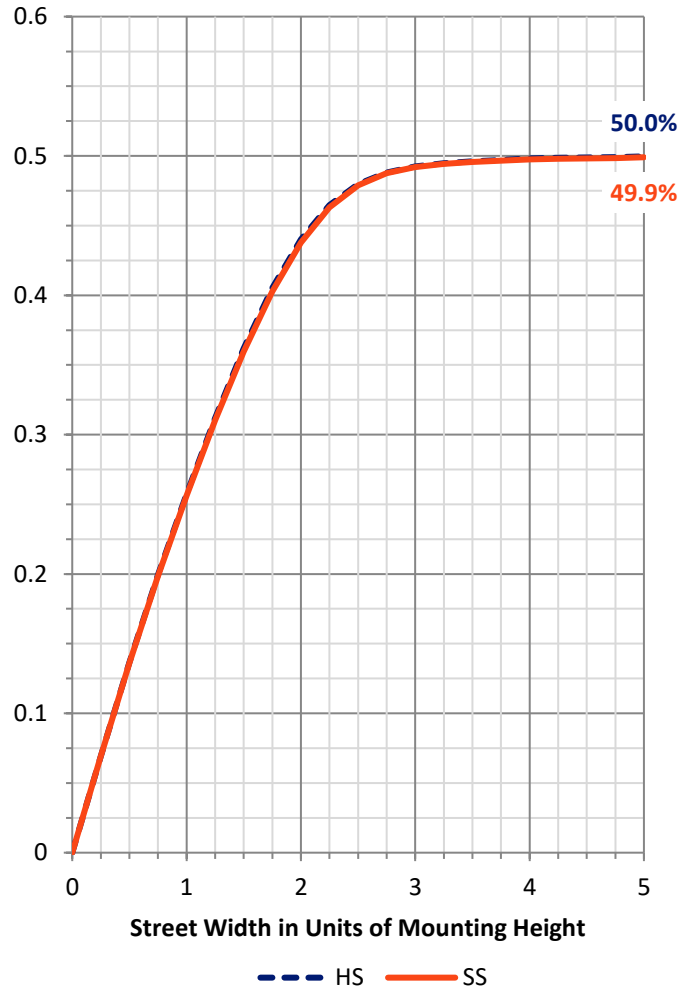
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26000.0	0.0	26000.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26000.0	0.0	26000.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52000.0	0.0	52000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.4	1.0
10°-20°	1513.9	2.9
20°-30°	2611.1	5.0
30°-40°	4245.8	8.2
40°-50°	7149.0	13.7
50°-60°	12666.7	24.4
60°-70°	18106.1	34.8
70°-80°	4969.4	9.6
80°-90°	222.6	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°	52000.0	100.0
0°-180°	52000.0	100.0

Coefficient of Utilization



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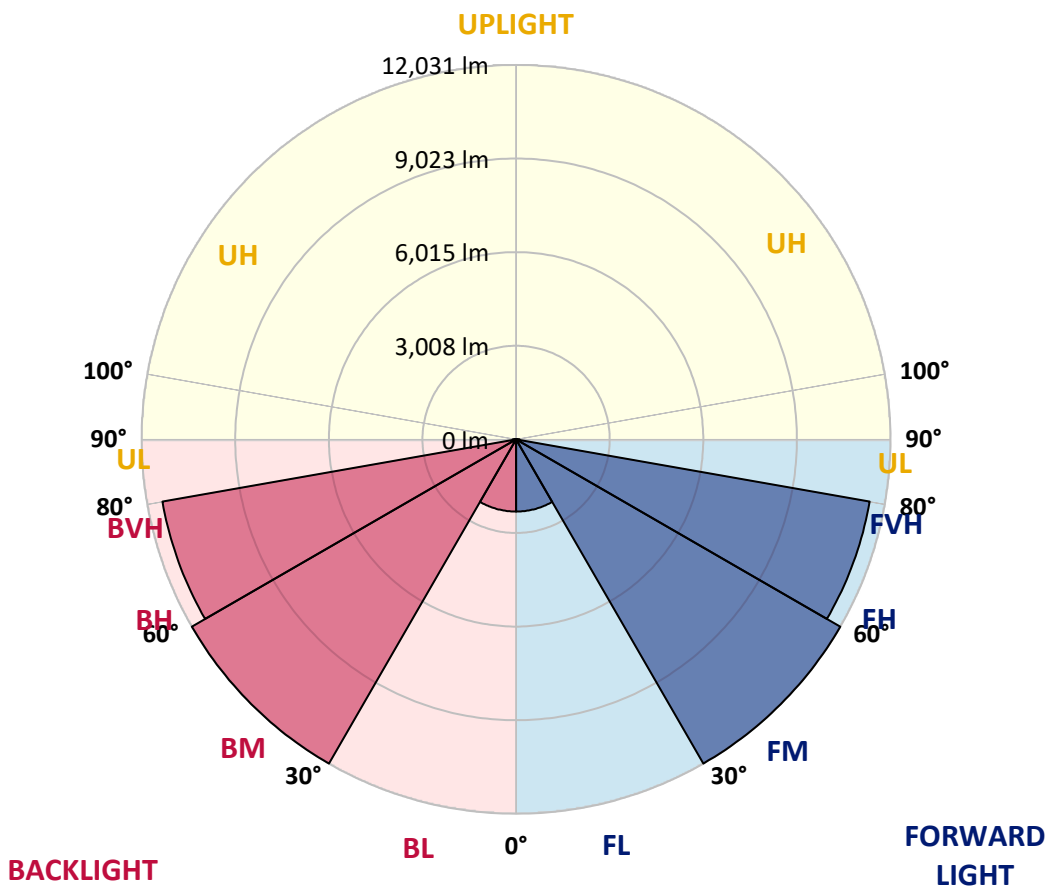
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2320.2	4.5			
FM (30°-60°)	12030.7	23.1			
FH (60°-80°)	11537.7	22.2			G4/12000
FVH (80°-90°)	111.3	0.2			G2/225
BL (0°-30°)	2320.2	4.5	B3/2500		
BM (30°-60°)	12030.7	23.1	B5		
BH (60°-80°)	11537.7	22.2	B5		G4/12000
BVH (80°-90°)	111.3	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°	5446.1	5446.1	5446.1	5446.1	5446.1	5446.1	5446.1	5446.1	5446.1	5446.1	5446.1
2.5°	5410.1	5406.5	5424.5	5435.3	5431.7	5456.9	5453.3	5446.1	5446.1	5435.3	5464.1
5°	5410.1	5406.5	5420.9	5424.5	5417.3	5438.9	5431.7	5424.5	5424.5	5410.1	5435.3
7.5°	5381.3	5384.9	5395.7	5402.9	5395.7	5413.7	5402.9	5388.5	5384.9	5370.5	5395.7
10°	5327.3	5330.9	5341.7	5359.7	5363.3	5395.7	5377.7	5352.5	5341.7	5327.3	5352.5
12.5°	5294.9	5298.5	5309.3	5330.9	5338.1	5381.3	5363.3	5323.7	5305.7	5291.3	5316.5
15°	5287.7	5291.3	5305.7	5327.3	5338.1	5381.3	5363.3	5316.5	5291.3	5273.3	5294.9
17.5°	5287.7	5294.9	5316.5	5348.9	5370.5	5413.7	5392.1	5338.1	5302.1	5269.7	5291.3
20°	5291.3	5302.1	5334.5	5381.3	5435.3	5496.5	5467.7	5395.7	5345.3	5305.7	5320.1
22.5°	5323.7	5341.7	5381.3	5442.5	5521.7	5593.7	5568.5	5471.3	5399.3	5345.3	5359.7
25°	5435.3	5442.5	5492.9	5572.1	5647.7	5708.8	5683.7	5593.7	5503.7	5438.9	5456.9
27.5°	5633.3	5651.3	5694.5	5777.2	5842.0	5874.4	5870.8	5809.6	5719.6	5662.1	5676.5
30°	5870.8	5888.8	5946.4	6040.0	6104.8	6140.8	6130.0	6083.2	6000.4	5921.2	5935.6
32.5°	6148.0	6155.2	6223.6	6328.0	6396.4	6450.4	6414.4	6364.0	6259.6	6166.0	6173.2
35°	6500.7	6511.5	6583.5	6680.7	6734.7	6777.9	6770.7	6720.3	6608.7	6507.9	6533.1
37.5°	6943.5	6950.7	7015.5	7137.9	7181.1	7213.5	7220.7	7195.5	7080.3	6950.7	6975.9
40°	7494.2	7497.8	7569.8	7677.8	7724.6	7746.2	7749.8	7753.4	7634.6	7537.4	7530.2
42.5°	8134.9	8152.9	8253.7	8358.1	8379.7	8368.9	8404.9	8440.9	8325.7	8192.5	8203.3
45°	8901.6	8912.4	9049.2	9164.4	9124.8	9088.8	9157.2	9229.2	9124.8	8952.0	8901.6
47.5°	9808.7	9830.3	9977.9	10093.1	10028.3	9963.5	10075.1	10150.7	9981.5	9797.9	9751.1
50°	10834.6	10849.0	11057.7	11201.7	11126.1	11007.4	11147.7	11226.9	11000.2	10773.4	10672.6
52.5°	12047.6	12018.8	12296.0	12547.9	12501.2	12346.4	12461.6	12476.0	12137.6	11817.2	11716.5
55°	13527.0	13498.2	13775.4	14052.6	14167.7	14128.1	14074.1	13987.8	13487.4	13145.5	13051.9
57.5°	15251.2	15161.2	15550.0	15924.3	16176.3	16248.3	16017.9	15816.3	15420.4	14999.2	14891.2
60°	16853.0	16849.4	17464.9	18112.8	18803.9	19091.9	18508.8	17961.6	17072.6	16305.9	16151.1
62.5°	17302.9	17378.5	18386.4	19991.8	21697.9	22716.6	21179.6	19369.1	17652.1	16496.6	16291.5
65°	16194.3	16381.4	17814.1	20348.1	23717.3	26208.2	22738.2	19401.4	17007.8	15568.0	15352.0
67.5°	11936.0	12310.4	14207.3	18361.2	23544.5	27104.4	22461.0	17605.3	14772.5	13059.1	12760.3
70°	5888.8	6245.2	7749.8	12080.0	19372.7	24228.4	19433.8	13267.9	9977.9	8329.3	8055.7
72.5°	2166.9	2310.9	2901.2	5168.9	10690.6	17896.8	13289.5	7411.4	4834.2	3847.9	3664.3
75°	1061.9	1087.1	1177.0	1735.0	3945.1	8422.9	6245.2	2843.6	1778.2	1547.8	1497.4
77.5°	676.7	687.5	730.7	827.9	1267.0	2652.9	1893.4	1123.1	871.1	835.1	835.1
80°	378.0	388.7	446.3	514.7	593.9	910.7	680.3	673.1	572.3	500.3	489.5
82.5°	180.0	198.0	284.4	280.8	313.2	457.1	399.5	363.6	367.2	277.2	262.8
85°	82.8	82.8	111.6	133.2	140.4	154.8	183.6	208.8	205.2	140.4	151.2
87.5°	39.6	39.6	39.6	36.0	32.4	28.8	39.6	64.8	93.6	64.8	61.2
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)