

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: P643796

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50905.7 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

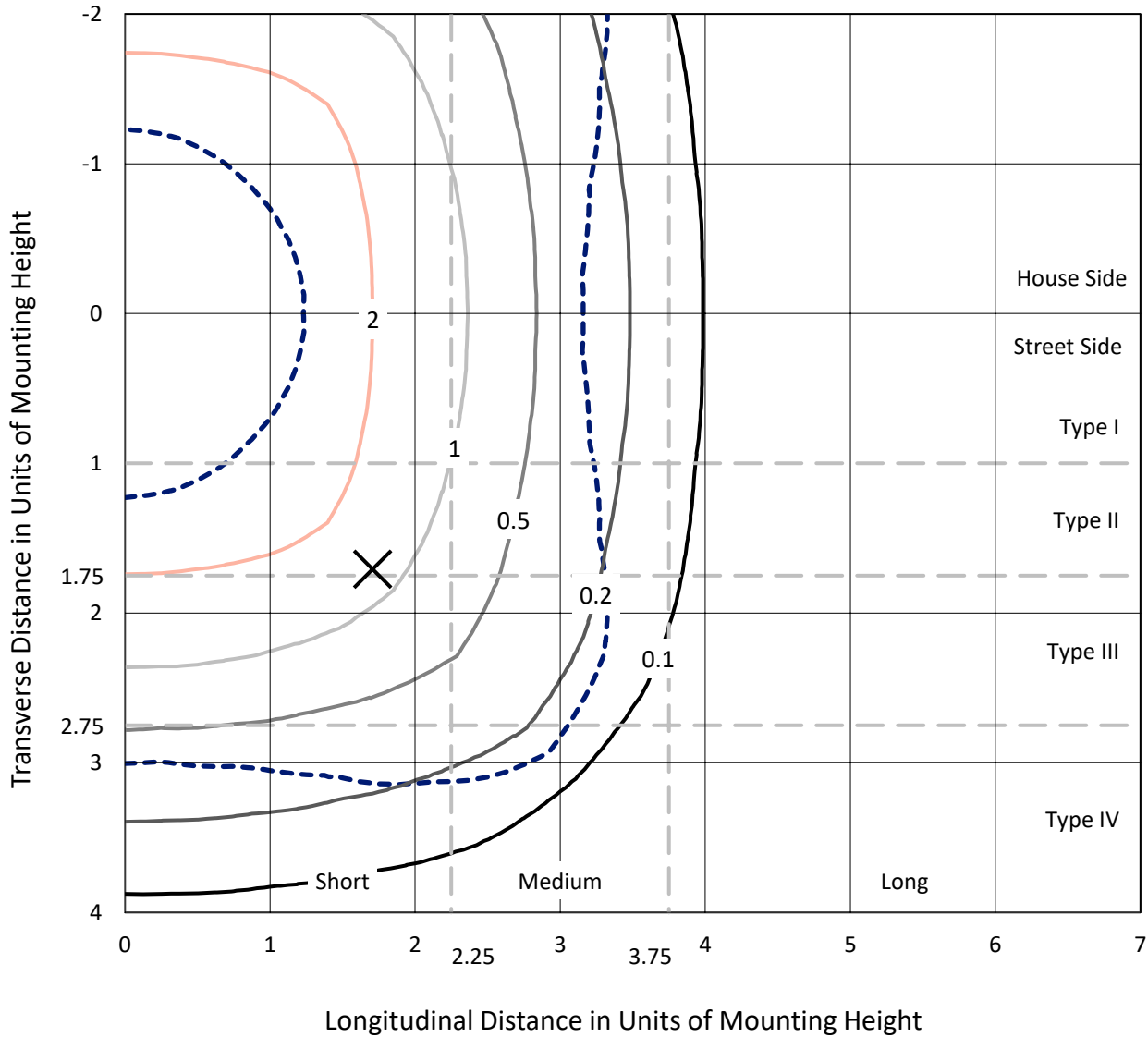
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

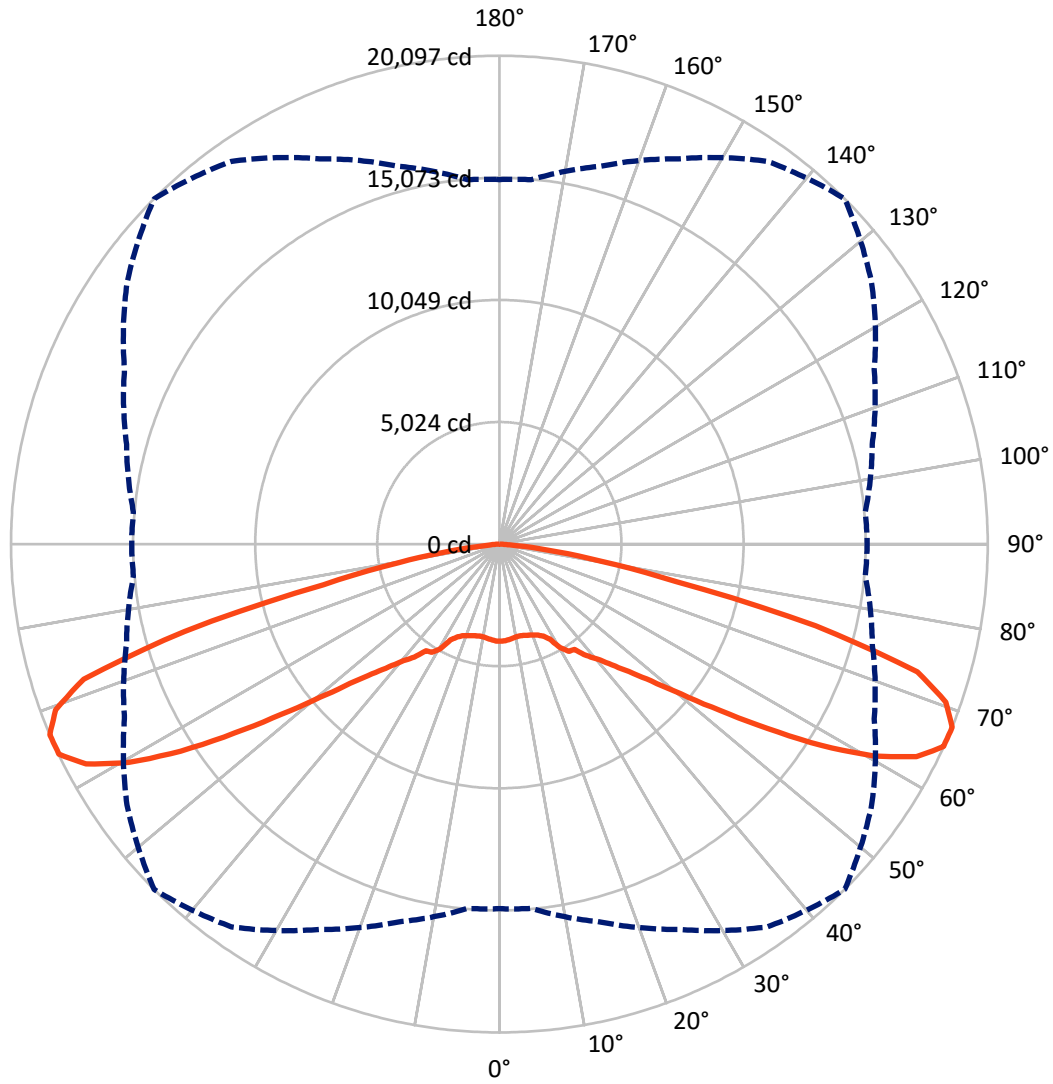
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.4 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	25452.8	0.0	25452.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25452.8	0.0	25452.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	50905.7	0.0	50905.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.8	0.7
10°-20°	1112.3	2.2
20°-30°	1995.3	3.9
30°-40°	3370.7	6.6
40°-50°	5922.3	11.6
50°-60°	11424.3	22.4
60°-70°	16575.1	32.6
70°-80°	9483.6	18.6
80°-90°	647.3	1.3
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°	50905.7	100.0
0°-180°	50905.7	100.0

Coefficient of Utilization



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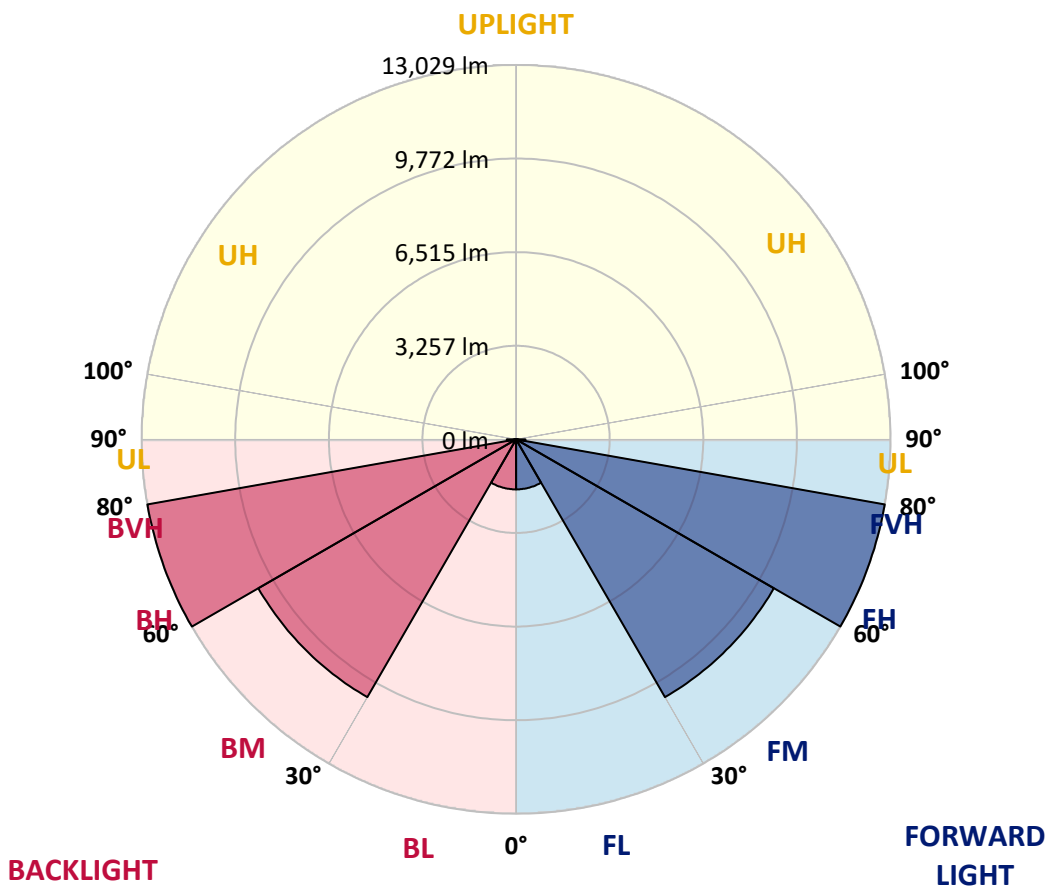
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1741.2	3.4			
FM (30°-60°)	10358.6	20.3			
FH (60°-80°)	13029.3	25.6			G5
FVH (80°-90°)	323.6	0.6			G3/500
BL (0°-30°)	1741.2	3.4	B3/2500		
BM (30°-60°)	10358.6	20.3	B5		
BH (60°-80°)	13029.3	25.6	B5		G5
BVH (80°-90°)	323.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0	3992.0
2.5°	3959.6	3963.2	3970.4	3970.4	3977.6	3988.4	3992.0	3984.8	3988.4	3970.4	3988.4
5°	3948.8	3952.4	3956.0	3948.8	3948.8	3952.4	3952.4	3945.3	3948.8	3930.9	3948.8
7.5°	3923.7	3927.3	3927.3	3916.5	3905.7	3912.9	3912.9	3905.7	3909.3	3891.3	3912.9
10°	3902.1	3902.1	3898.5	3876.9	3866.1	3876.9	3880.5	3884.1	3898.5	3884.1	3909.3
12.5°	3916.5	3916.5	3905.7	3876.9	3858.9	3866.1	3873.3	3880.5	3905.7	3902.1	3930.9
15°	3956.0	3959.6	3930.9	3898.5	3887.7	3898.5	3891.3	3887.7	3920.1	3930.9	3963.2
17.5°	3988.4	3988.4	3952.4	3920.1	3923.7	3941.7	3927.3	3909.3	3941.7	3963.2	3999.2
20°	4017.2	4013.6	3974.0	3952.4	3966.8	3992.0	3981.2	3956.0	3977.6	4002.8	4035.2
22.5°	4089.2	4085.6	4042.4	4031.6	4046.0	4071.2	4060.4	4038.8	4064.0	4100.0	4139.6
25°	4294.4	4287.2	4222.4	4186.4	4179.2	4197.2	4193.6	4186.4	4226.0	4269.2	4316.0
27.5°	4568.0	4564.4	4517.6	4481.6	4434.8	4420.4	4431.2	4463.6	4521.2	4553.6	4593.2
30°	4704.8	4704.8	4697.6	4755.2	4856.0	4953.2	4877.6	4755.2	4704.8	4690.4	4730.0
32.5°	4884.8	4902.8	4877.6	4942.4	5111.5	5255.5	5111.5	4913.6	4877.6	4877.6	4920.8
35°	5298.7	5305.9	5266.3	5255.5	5309.5	5327.5	5259.1	5187.1	5226.7	5233.9	5287.9
37.5°	5629.9	5629.9	5611.9	5640.7	5752.3	5820.7	5709.1	5579.5	5590.3	5597.5	5665.9
40°	6141.1	6155.5	6112.3	6108.7	6151.9	6213.0	6094.3	6011.5	6069.1	6087.1	6191.5
42.5°	6778.2	6778.2	6713.4	6695.4	6724.2	6789.0	6677.4	6623.4	6699.0	6713.4	6774.6
45°	7537.7	7555.7	7469.3	7436.9	7451.3	7472.9	7393.7	7368.5	7440.5	7472.9	7580.9
47.5°	8462.8	8480.8	8405.3	8401.7	8387.3	8401.7	8326.1	8311.7	8369.3	8344.1	8459.2
50°	9603.9	9636.3	9571.6	9661.5	9650.7	9693.9	9589.5	9514.0	9514.0	9445.6	9510.4
52.5°	10881.8	10946.6	10979.0	11130.2	11245.4	11353.4	11180.6	11061.8	10889.0	10748.6	10925.0
55°	12274.9	12256.9	12462.1	12793.3	13131.6	13387.2	13048.8	12674.5	12393.7	12102.1	12170.5
57.5°	13495.2	13556.4	13826.4	14431.1	15100.7	15640.6	15032.3	14312.3	13675.2	13257.6	13315.2
60°	14510.3	14560.7	14920.7	15791.8	16961.7	17706.8	16742.1	15554.2	14629.1	14053.2	14114.3
62.5°	15446.2	15493.0	15856.6	16817.7	18293.6	19265.5	18020.0	16396.5	15367.0	14787.5	14823.5
65°	15986.2	16015.0	16511.7	17523.2	19078.3	20082.6	18678.7	17004.9	15993.4	15403.0	15424.6
67.5°	15003.5	15050.3	16097.8	17494.4	19229.5	20097.0	18707.5	17022.9	15885.4	15115.1	15133.1
70°	11835.8	11796.2	13045.2	15446.2	18362.0	19492.3	17876.0	15745.0	13988.4	12912.1	12894.1
72.5°	9024.4	9035.2	9729.9	11375.0	14971.1	17987.6	15773.8	12678.1	10784.6	9967.5	9935.1
75°	6544.2	6645.0	7210.2	8416.1	10471.5	13444.8	11875.3	9395.2	8128.1	7638.5	7566.5
77.5°	2948.1	3077.7	3866.1	5284.3	7001.4	7429.7	7458.5	6378.6	4812.8	3999.2	3873.3
80°	860.3	921.5	1184.3	2026.6	3261.3	4215.2	3347.7	2815.0	1753.0	1375.1	1310.3
82.5°	363.6	414.0	507.6	561.6	946.7	1954.6	1216.7	773.9	719.9	583.1	532.8
85°	154.8	165.6	212.4	226.8	306.0	417.6	385.2	349.2	334.8	259.2	237.6
87.5°	64.8	64.8	64.8	57.6	54.0	57.6	79.2	100.8	133.2	104.4	97.2
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)