

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: P643788

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30679.5 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

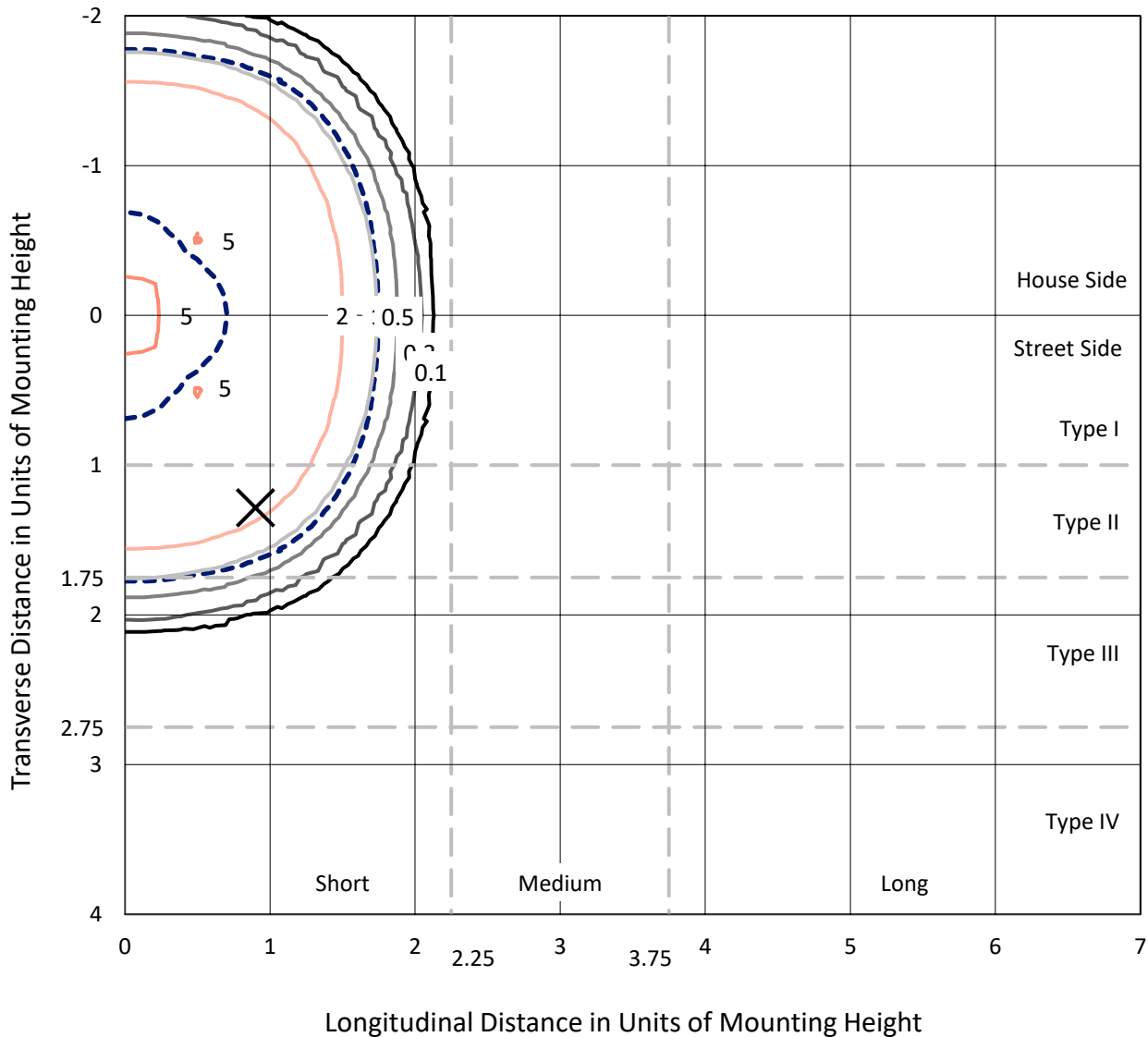
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

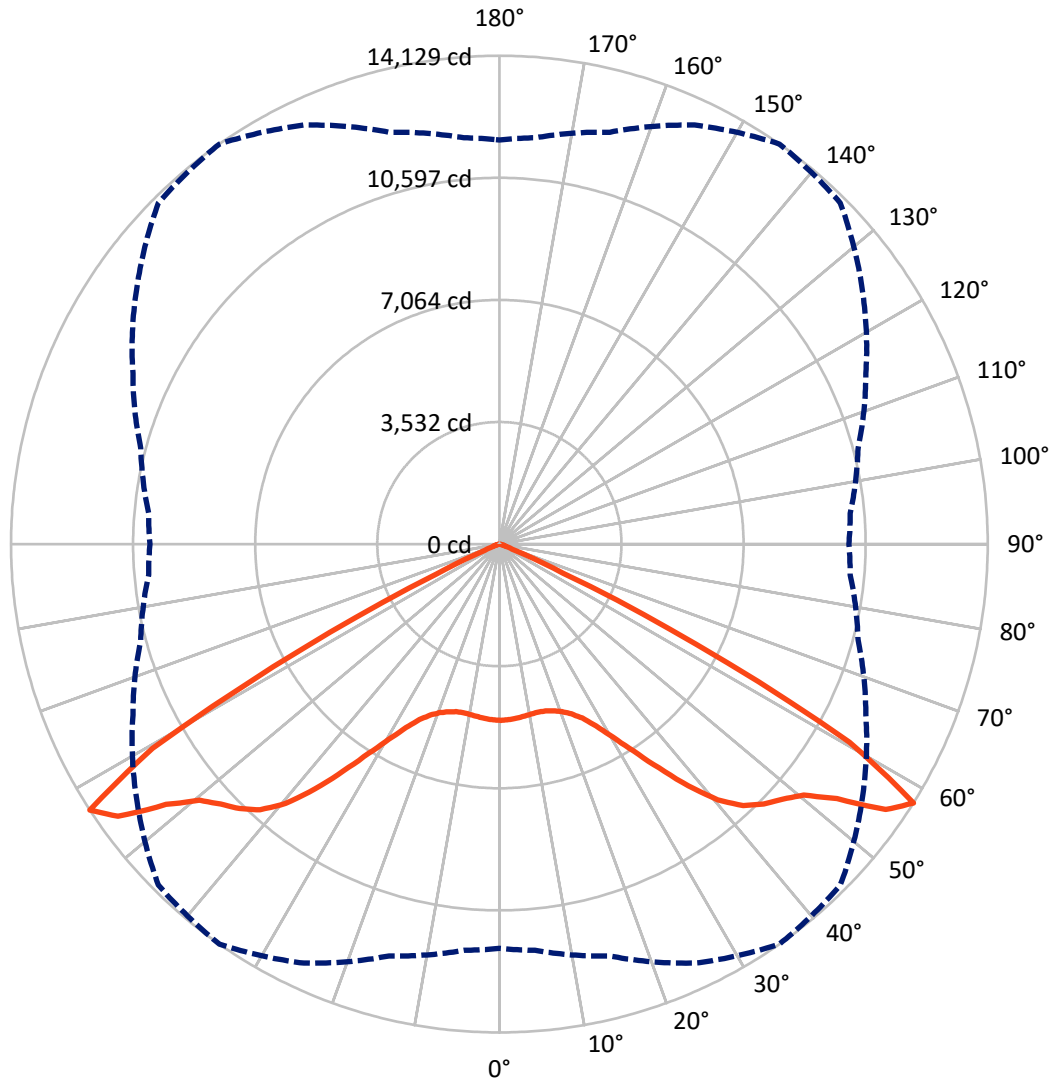
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15339.8	0.0	15339.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15339.8	0.0	15339.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	30679.5	0.0	30679.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.6	1.6
10°-20°	1413.6	4.6
20°-30°	2555.2	8.3
30°-40°	4767.0	15.5
40°-50°	7996.7	26.1
50°-60°	10560.4	34.4
60°-70°	2804.6	9.1
70°-80°	99.6	0.3
80°-90°	1.8	0.0
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°	30679.5	100.0
0°-180°	30679.5	100.0

Coefficient of Utilization



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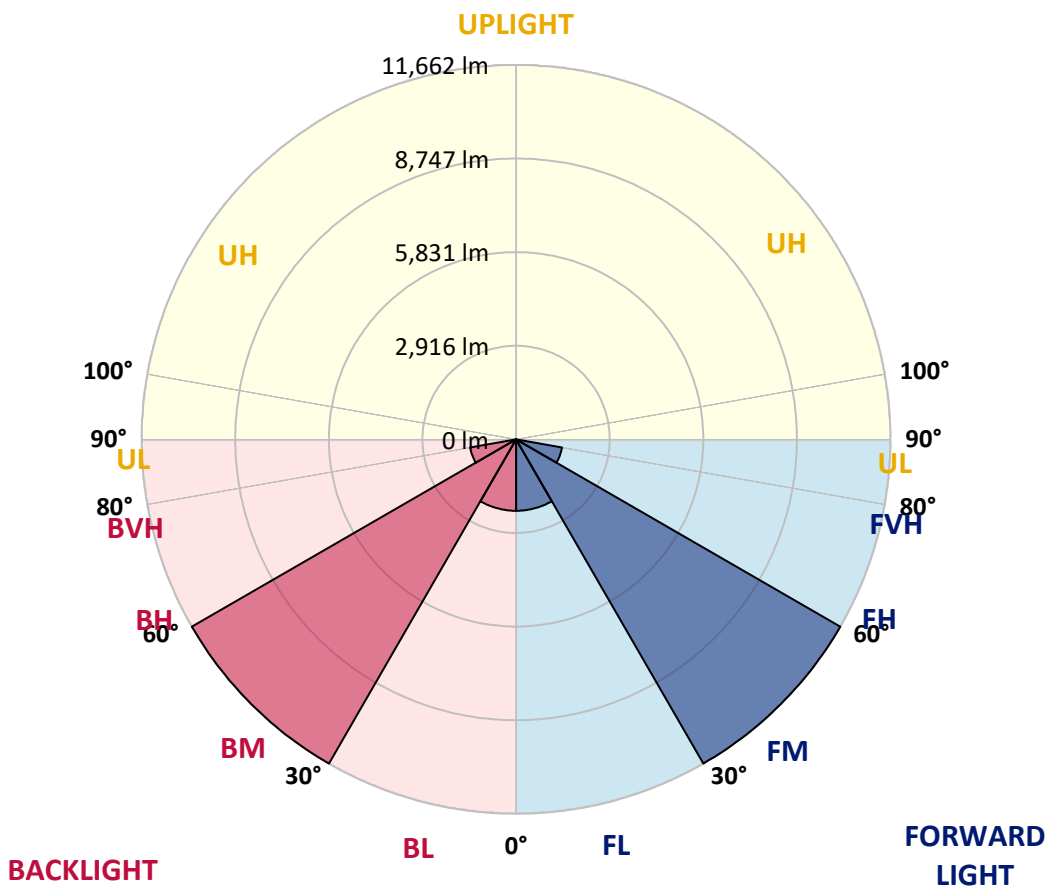
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2224.7	7.3			
FM (30°-60°)	11662.0	38.0			
FH (60°-80°)	1452.1	4.7			G1/1800
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2224.7	7.3	B3/2500		
BM (30°-60°)	11662.0	38.0	B5		
BH (60°-80°)	1452.1	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5100.7	5100.7	5100.7	5100.7	5100.7	5100.7	5100.7	5100.7	5100.7	5100.7	5100.7
2.5°	5064.7	5061.1	5075.5	5086.3	5086.3	5111.5	5104.3	5097.1	5089.9	5079.1	5104.3
5°	5057.5	5053.9	5064.7	5071.9	5064.7	5086.3	5071.9	5057.5	5050.3	5035.9	5064.7
7.5°	5025.1	5028.7	5035.9	5043.1	5032.3	5050.3	5032.3	5010.8	4992.8	4978.4	5003.6
10°	4974.8	4978.4	4985.6	5000.0	5003.6	5028.7	5003.6	4964.0	4938.8	4917.2	4942.4
12.5°	4949.6	4953.2	4964.0	4982.0	4985.6	5018.0	4985.6	4928.0	4892.0	4866.8	4892.0
15°	4956.8	4964.0	4978.4	5000.0	5007.2	5039.5	4996.4	4920.8	4870.4	4838.0	4859.6
17.5°	4982.0	4989.2	5010.8	5046.7	5071.9	5104.3	5050.3	4953.2	4884.8	4838.0	4859.6
20°	5014.4	5025.1	5061.1	5118.7	5172.7	5230.3	5161.9	5028.7	4938.8	4881.2	4899.2
22.5°	5104.3	5115.1	5165.5	5241.1	5331.1	5403.1	5320.3	5151.1	5028.7	4953.2	4971.2
25°	5287.9	5298.7	5363.5	5460.7	5575.9	5669.5	5565.1	5352.7	5194.3	5107.9	5115.1
27.5°	5575.9	5586.7	5662.3	5799.1	5953.9	6087.1	5935.9	5687.5	5507.5	5406.7	5406.7
30°	5939.5	5953.9	6054.7	6238.2	6479.4	6655.8	6450.6	6148.2	5917.9	5781.1	5784.7
32.5°	6407.4	6393.0	6537.0	6789.0	7131.0	7364.9	7062.6	6695.4	6411.0	6220.2	6238.2
35°	7008.6	7005.0	7167.0	7508.9	7955.3	8236.1	7876.1	7400.9	7059.0	6864.6	6868.2
37.5°	7782.5	7778.9	7966.1	8336.9	8873.2	9107.2	8704.0	8221.7	7854.5	7667.3	7688.9
40°	8689.6	8668.0	8833.6	9190.0	9726.3	9877.5	9438.4	9049.6	8696.8	8578.0	8635.6
42.5°	9553.5	9506.7	9603.9	9927.9	10341.9	10363.5	10032.3	9765.9	9524.7	9431.2	9467.2
45°	10248.3	10212.3	10302.3	10489.5	10727.0	10619.0	10460.7	10377.9	10183.5	10082.7	10115.1
47.5°	10766.6	10766.6	10874.6	10989.8	11025.8	10827.8	10853.0	10853.0	10658.6	10500.3	10460.7
50°	11213.0	11245.4	11407.4	11526.2	11407.4	11155.4	11299.4	11270.6	10874.6	10557.9	10475.1
52.5°	11925.7	11958.1	12206.5	12368.5	12235.3	11986.9	12004.9	11645.0	11061.8	10687.4	10557.9
55°	12681.7	12760.9	13120.8	13552.8	13556.4	13300.8	12825.7	12188.5	11479.4	11072.6	10939.4
57.5°	11691.8	11799.7	12336.1	13376.4	14128.7	13952.4	12818.5	11699.0	10741.4	10187.1	10111.5
60°	8045.3	8232.5	8768.8	10190.7	11641.4	11709.8	10370.7	9114.4	8016.5	7332.5	7346.9
62.5°	3398.1	3588.9	3891.3	5061.1	6393.0	6475.8	5827.9	4928.0	4031.6	3538.5	3614.1
65°	799.1	853.1	943.1	1400.3	2030.2	2123.8	1958.2	1526.3	1126.7	953.9	971.9
67.5°	349.2	356.4	338.4	360.0	446.4	457.2	442.8	388.8	367.2	374.4	374.4
70°	244.8	248.4	234.0	223.2	212.4	198.0	205.2	226.8	244.8	259.2	255.6
72.5°	151.2	154.8	158.4	158.4	147.6	133.2	140.4	154.8	158.4	162.0	158.4
75°	75.6	79.2	86.4	90.0	86.4	82.8	82.8	86.4	86.4	82.8	82.8
77.5°	14.4	18.0	25.2	28.8	28.8	28.8	28.8	28.8	32.4	28.8	28.8
80°	3.6	3.6	7.2	3.6	3.6	3.6	3.6	3.6	3.6	7.2	7.2
82.5°	3.6	3.6	3.6	3.6	0.0	0.0	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6
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)