

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: P643733

Luminaire Tested: GWS-SA6F-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643733
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31105.8 lumens
Efficiency: N/A
Efficacy: 83.5 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

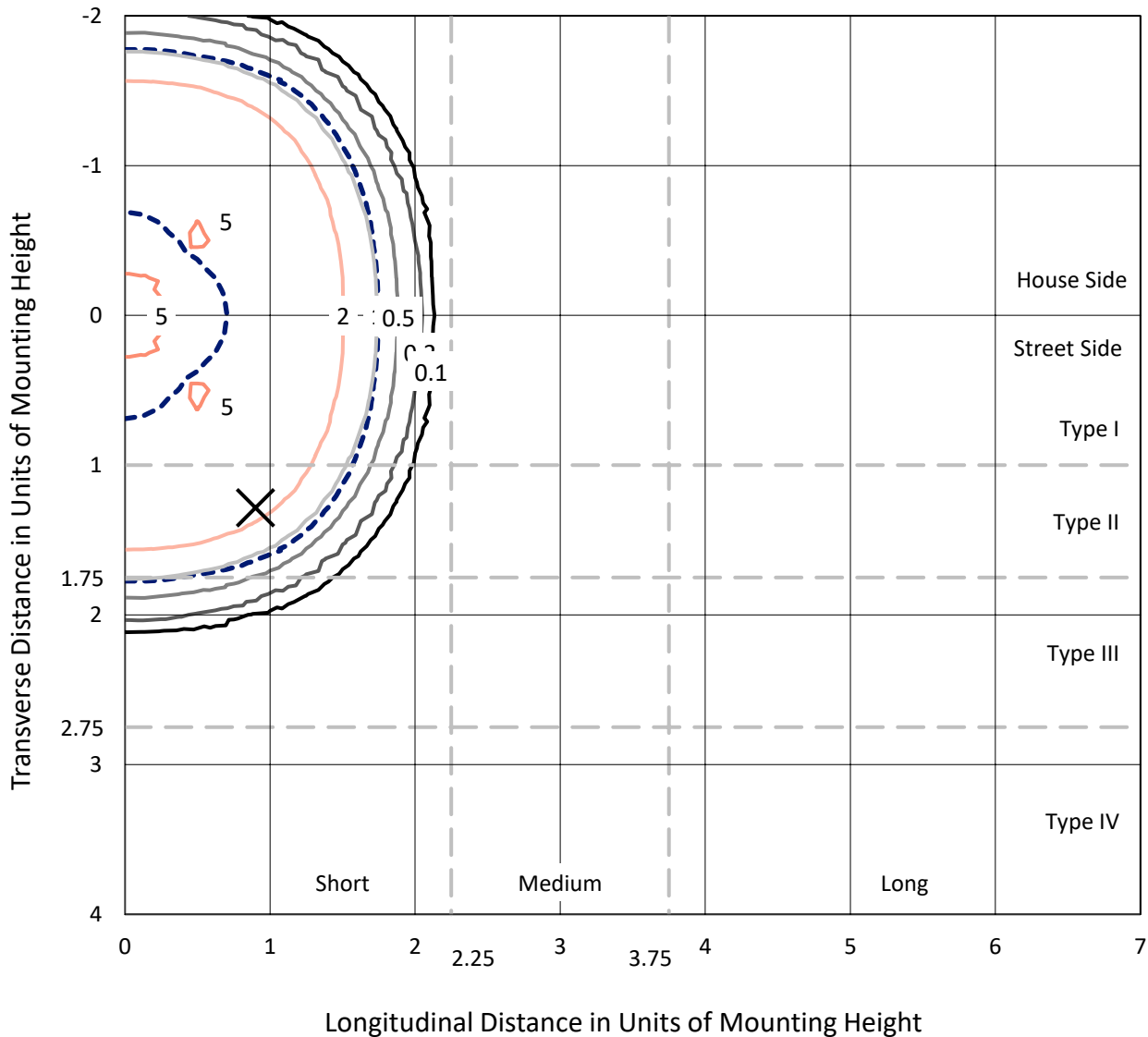


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Iso-Footcandle Lines of Horizontal Illumination

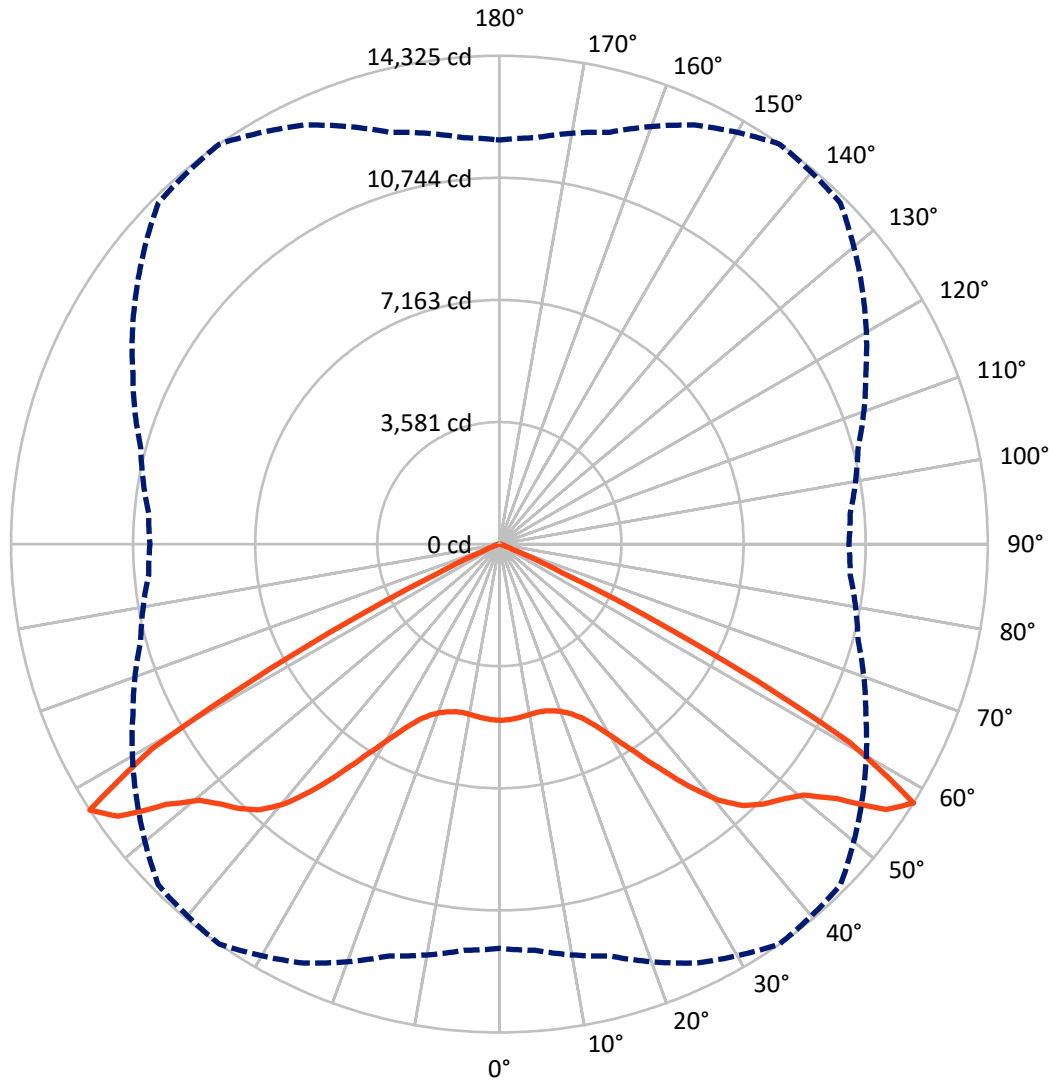
✕ Max cd
 - - - 1/2 Max cd



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	15552.9	0.0	15552.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15552.9	0.0	15552.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	31105.8	0.0	31105.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.2	1.6
10°-20°	1433.3	4.6
20°-30°	2590.7	8.3
30°-40°	4833.2	15.5
40°-50°	8107.8	26.1
50°-60°	10707.2	34.4
60°-70°	2843.6	9.1
70°-80°	101.0	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°	31105.8	100.0
0°-180°	31105.8	100.0

Coefficient of Utilization



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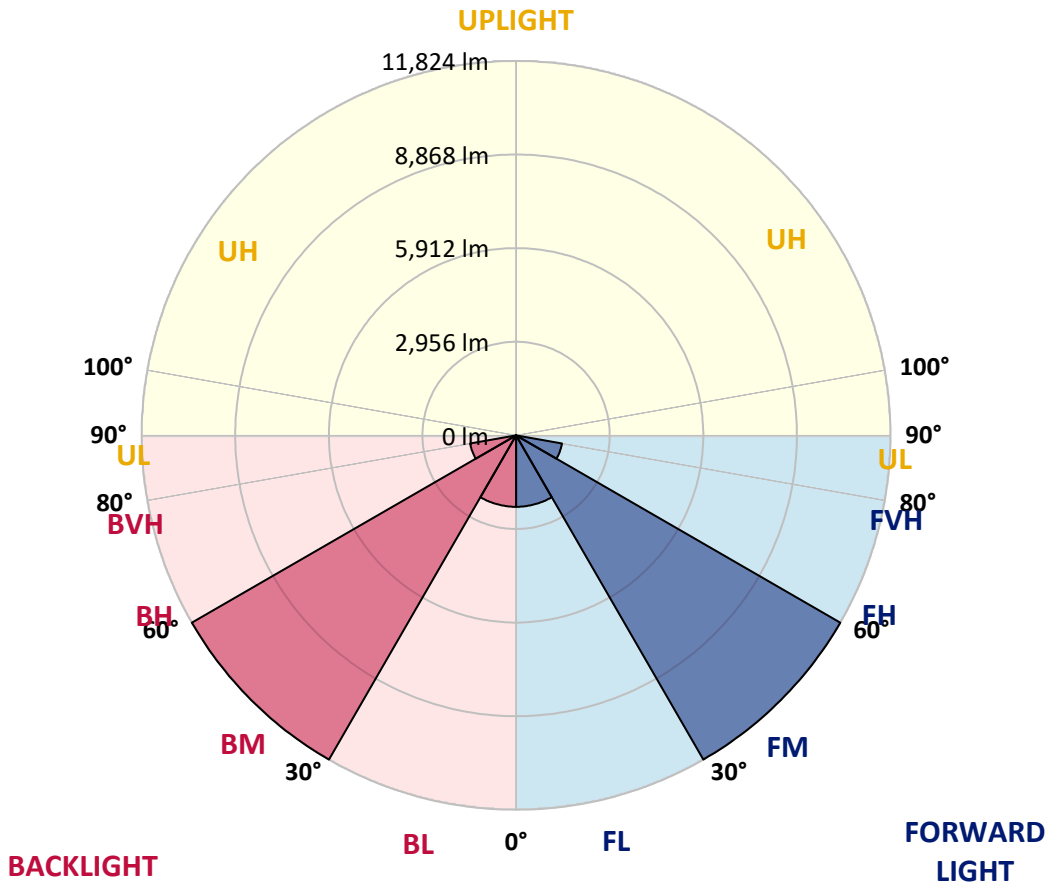
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2255.6	7.3			
FM (30°-60°)	11824.1	38.0			
FH (60°-80°)	1472.3	4.7			G1/1800
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2255.6	7.3	B3/2500		
BM (30°-60°)	11824.1	38.0	B5		
BH (60°-80°)	1472.3	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°	5171.6	5171.6	5171.6	5171.6	5171.6	5171.6	5171.6	5171.6	5171.6	5171.6	5171.6
2.5°	5135.1	5131.5	5146.1	5157.0	5157.0	5182.6	5175.3	5168.0	5160.7	5149.7	5175.3
5°	5127.8	5124.2	5135.1	5142.4	5135.1	5157.0	5142.4	5127.8	5120.5	5105.9	5135.1
7.5°	5095.0	5098.6	5105.9	5113.2	5102.3	5120.5	5102.3	5080.4	5062.1	5047.5	5073.1
10°	5043.9	5047.5	5054.8	5069.4	5073.1	5098.6	5073.1	5032.9	5007.4	4985.5	5011.0
12.5°	5018.3	5022.0	5032.9	5051.2	5054.8	5087.7	5054.8	4996.4	4959.9	4934.4	4959.9
15°	5025.6	5032.9	5047.5	5069.4	5076.7	5109.6	5065.8	4989.1	4938.0	4905.2	4927.1
17.5°	5051.2	5058.5	5080.4	5116.9	5142.4	5175.3	5120.5	5022.0	4952.6	4905.2	4927.1
20°	5084.0	5095.0	5131.5	5189.9	5244.6	5303.0	5233.7	5098.6	5007.4	4949.0	4967.2
22.5°	5175.3	5186.2	5237.3	5314.0	5405.2	5478.2	5394.3	5222.7	5098.6	5022.0	5040.2
25°	5361.4	5372.4	5438.0	5536.6	5653.4	5748.3	5642.4	5427.1	5266.5	5178.9	5186.2
27.5°	5653.4	5664.3	5741.0	5879.7	6036.6	6171.6	6018.3	5766.5	5584.0	5481.8	5481.8
30°	6022.0	6036.6	6138.8	6324.9	6569.5	6748.3	6540.3	6233.7	6000.1	5861.4	5865.1
32.5°	6496.5	6481.9	6627.8	6883.3	7230.0	7467.3	7160.7	6788.4	6500.1	6306.7	6324.9
35°	7106.0	7102.3	7266.5	7613.3	8065.8	8350.5	7985.5	7503.8	7157.1	6960.0	6963.6
37.5°	7890.6	7887.0	8076.8	8452.7	8996.5	9233.7	8825.0	8335.9	7963.6	7773.9	7795.8
40°	8810.4	8788.5	8956.4	9317.7	9861.5	10014.8	9569.5	9175.3	8817.7	8697.2	8755.6
42.5°	9686.3	9638.8	9737.4	10065.9	10485.6	10507.5	10171.7	9901.6	9657.1	9562.2	9598.7
45°	10390.7	10354.2	10445.4	10635.2	10876.1	10766.6	10606.0	10522.1	10325.0	10222.8	10255.6
47.5°	10916.2	10916.2	11025.7	11142.5	11179.0	10978.3	11003.8	11003.8	10806.7	10646.2	10606.0
50°	11368.8	11401.7	11565.9	11686.3	11565.9	11310.4	11456.4	11427.2	11025.7	10704.6	10620.6
52.5°	12091.4	12124.3	12376.1	12540.4	12405.3	12153.5	12171.7	11806.8	11215.5	10835.9	10704.6
55°	12857.9	12938.2	13303.1	13741.1	13744.8	13485.6	13003.9	12357.9	11638.9	11226.5	11091.4
57.5°	11854.2	11963.7	12507.5	13562.3	14325.1	14146.2	12996.6	11861.5	10890.7	10328.6	10252.0
60°	8157.1	8346.9	8890.7	10332.3	11803.1	11872.5	10514.8	9241.0	8127.9	7434.4	7449.0
62.5°	3445.3	3638.7	3945.3	5131.5	6481.9	6565.8	5908.9	4996.4	4087.7	3587.7	3664.3
65°	810.2	865.0	956.2	1419.7	2058.4	2153.3	1985.4	1547.5	1142.4	967.2	985.4
67.5°	354.0	361.3	343.1	365.0	452.6	463.5	448.9	394.2	372.3	379.6	379.6
70°	248.2	251.8	237.2	226.3	215.3	200.7	208.0	229.9	248.2	262.8	259.1
72.5°	153.3	156.9	160.6	160.6	149.6	135.0	142.3	156.9	160.6	164.2	160.6
75°	76.6	80.3	87.6	91.2	87.6	83.9	83.9	87.6	87.6	83.9	83.9
77.5°	14.6	18.2	25.5	29.2	29.2	29.2	29.2	29.2	32.8	29.2	29.2
80°	3.6	3.6	7.3	3.6	3.6	3.6	3.6	3.6	3.6	7.3	7.3
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)