

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: P643736

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 35824.8 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

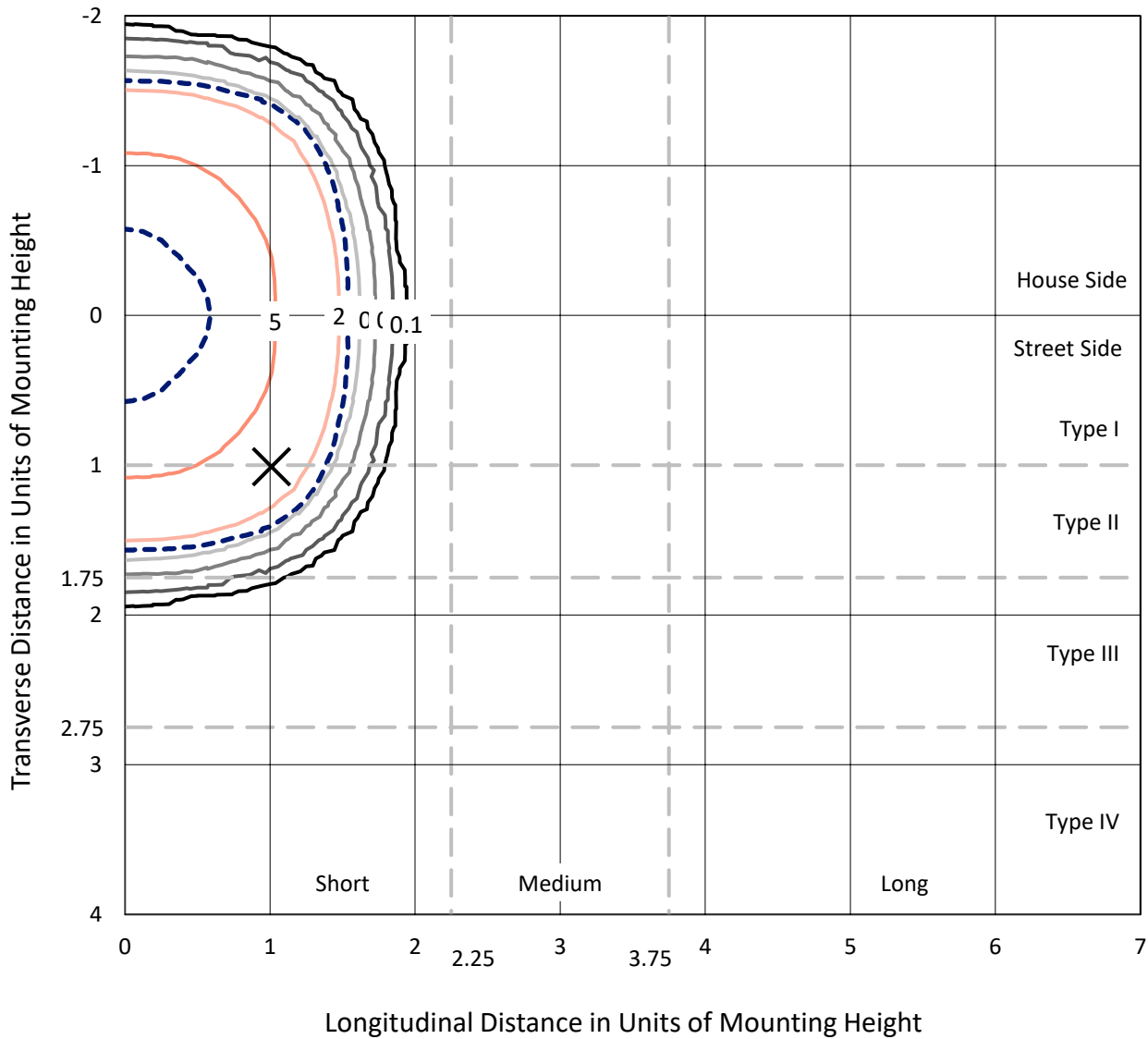
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

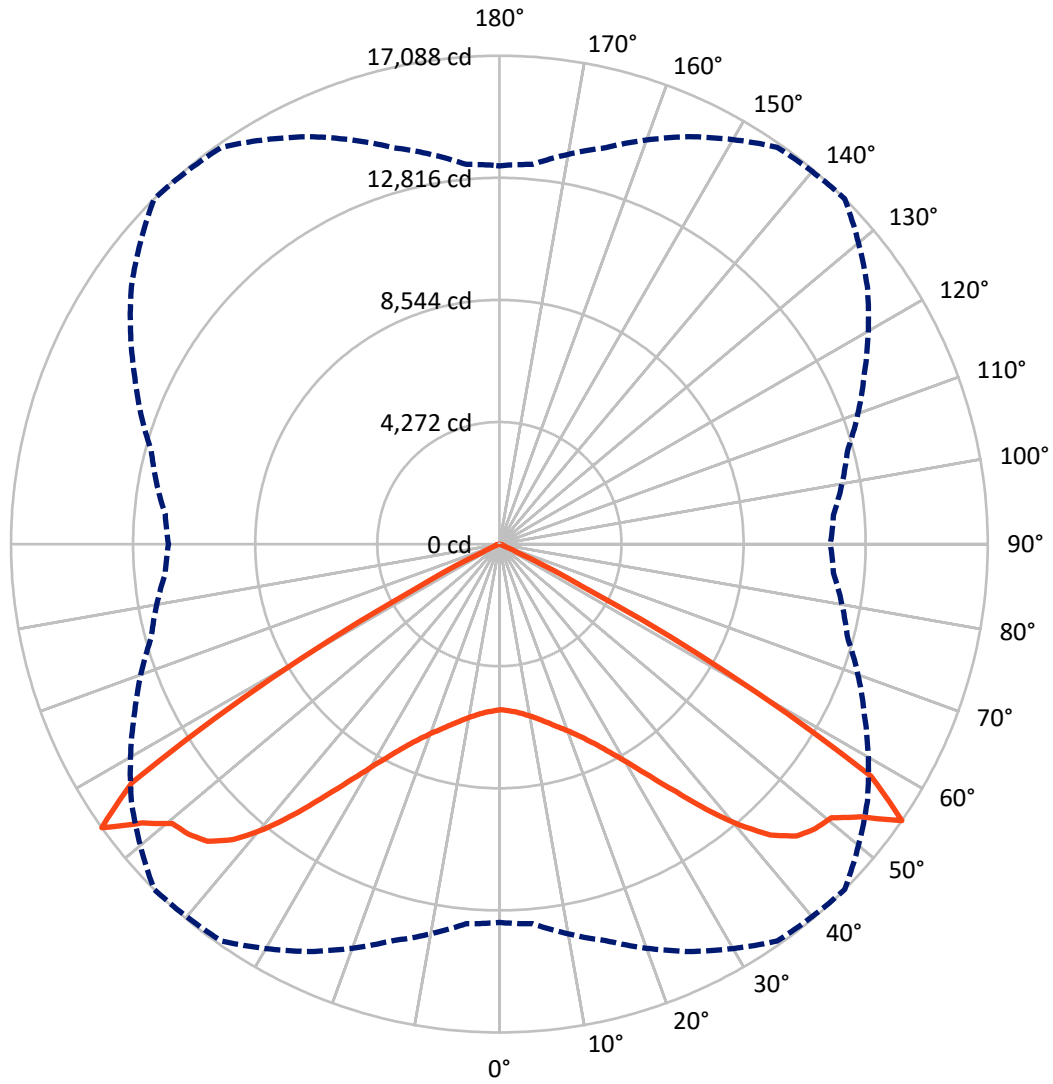
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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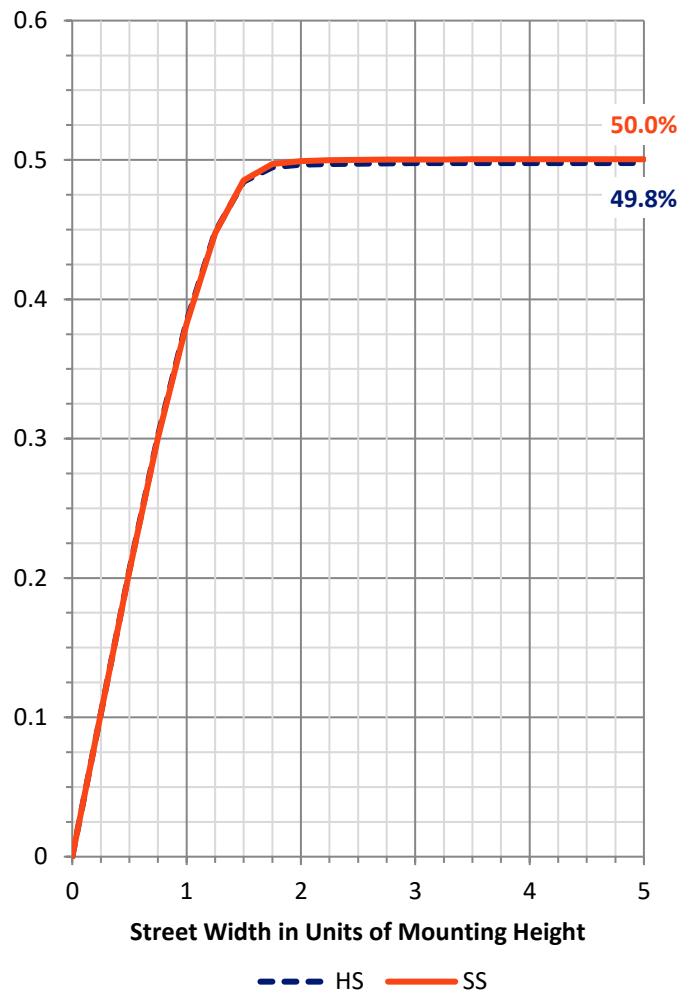
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17912.4	0.0	17912.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17912.4	0.0	17912.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	35824.8	0.0	35824.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.5	1.6
10°-20°	1839.6	5.1
20°-30°	3562.6	9.9
30°-40°	6382.6	17.8
40°-50°	10700.9	29.9
50°-60°	11454.8	32.0
60°-70°	1258.7	3.5
70°-80°	55.4	0.2
80°-90°	2.5	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°	35824.8	100.0
0°-180°	35824.8	100.0

Coefficient of Utilization



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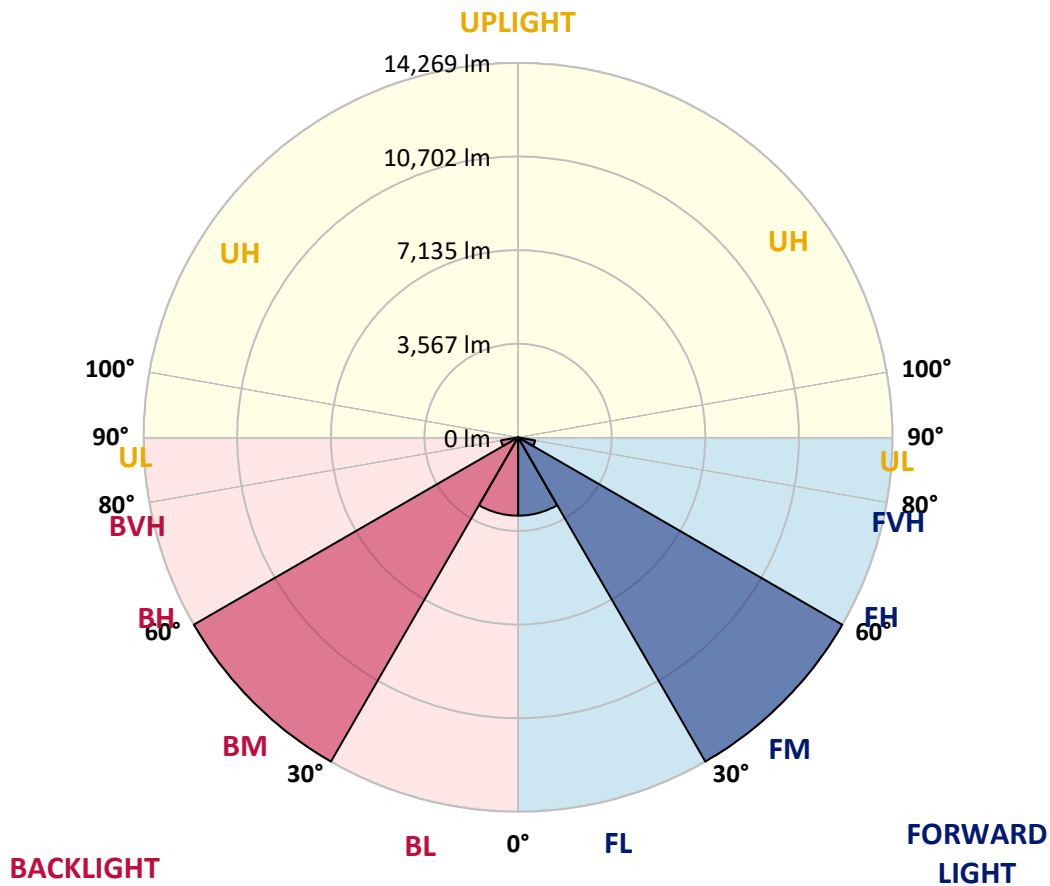
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2984.9	8.3			
FM (30°-60°)	14269.2	39.8			
FH (60°-80°)	657.1	1.8			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	2984.9	8.3	B4/5000		
BM (30°-60°)	14269.2	39.8	B5		
BH (60°-80°)	657.1	1.8	B2/1000		G0/660
BVH (80°-90°)	1.3	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5792.2	5792.2	5792.2	5792.2	5792.2	5792.2	5792.2	5792.2	5792.2	5792.2	5792.2
2.5°	5781.2	5781.2	5795.8	5806.8	5806.8	5836.0	5825.0	5814.1	5814.1	5799.5	5828.7
5°	5865.2	5861.5	5876.1	5883.4	5868.8	5898.0	5879.8	5868.8	5861.5	5846.9	5876.1
7.5°	5956.4	5960.1	5963.7	5978.3	5971.0	6000.2	5985.6	5963.7	5956.4	5934.5	5963.7
10°	6065.9	6065.9	6073.2	6091.5	6095.1	6131.6	6117.0	6091.5	6069.6	6047.7	6076.9
12.5°	6204.6	6208.3	6219.2	6244.8	6259.3	6299.5	6277.6	6226.5	6193.7	6168.1	6201.0
15°	6405.3	6401.7	6416.3	6452.8	6471.0	6500.2	6467.4	6398.0	6357.9	6328.7	6350.6
17.5°	6624.3	6624.3	6631.6	6668.1	6693.7	6737.5	6697.3	6613.4	6576.9	6536.7	6558.6
20°	6865.2	6876.2	6883.5	6909.0	6952.8	6996.6	6963.8	6879.8	6839.7	6788.6	6814.1
22.5°	7182.7	7171.8	7175.4	7219.2	7281.3	7325.1	7299.5	7201.0	7131.6	7091.5	7106.1
25°	7536.8	7533.1	7544.1	7609.8	7679.1	7726.6	7690.1	7562.3	7493.0	7423.6	7452.8
27.5°	7971.1	7974.7	7982.0	8062.3	8171.8	8241.2	8149.9	8022.2	7927.3	7836.0	7857.9
30°	8485.7	8478.4	8500.3	8609.8	8770.4	8879.9	8774.0	8595.2	8460.2	8372.6	8383.5
32.5°	9033.2	9040.5	9098.9	9274.1	9485.7	9679.2	9463.8	9226.6	9051.4	8887.2	8909.1
35°	9624.4	9642.7	9774.1	10033.2	10379.9	10639.1	10339.8	9949.3	9701.1	9489.4	9496.7
37.5°	10321.5	10365.3	10547.8	10934.7	11431.1	11777.8	11339.8	10821.6	10500.4	10237.6	10219.3
40°	11237.6	11288.7	11536.9	11996.8	12599.0	12916.5	12409.2	11876.3	11478.5	11193.8	11150.0
42.5°	12288.8	12354.5	12624.5	13095.4	13697.6	13912.9	13416.5	12967.6	12609.9	12274.2	12259.6
45°	13474.9	13511.4	13730.4	14091.7	14526.1	14577.2	14204.9	13956.7	13595.4	13281.5	13256.0
47.5°	14588.1	14624.6	14774.3	14960.4	15062.6	14880.1	14814.4	14704.9	14237.7	13850.9	13770.6
50°	15434.9	15464.1	15650.2	15723.2	15438.5	15051.6	15179.4	14945.8	14438.5	14004.2	13880.1
52.5°	15376.5	15449.5	15927.6	16343.7	16164.8	15850.9	15507.9	15004.2	14215.8	13620.9	13467.6
55°	13237.7	13336.2	14361.8	15730.5	16953.2	17088.2	15715.9	14091.7	12609.9	11737.6	11580.7
57.5°	8507.6	8533.2	9785.0	11704.8	14460.4	15329.0	13033.3	10624.5	8781.3	7821.4	7755.8
60°	3127.9	3076.8	4022.0	5613.3	8328.8	9248.5	7671.8	5372.5	3832.3	3153.4	3098.7
62.5°	751.9	759.2	941.6	1412.5	2613.2	3233.7	2554.8	1427.1	908.8	762.8	755.5
65°	379.6	372.3	375.9	405.1	558.4	667.9	547.5	386.9	372.3	375.9	372.3
67.5°	244.5	240.9	248.2	251.8	248.2	233.6	229.9	237.2	237.2	240.9	233.6
70°	149.6	146.0	153.3	164.2	156.9	138.7	146.0	153.3	146.0	142.3	142.3
72.5°	80.3	80.3	87.6	94.9	87.6	80.3	80.3	83.9	80.3	80.3	80.3
75°	36.5	36.5	40.1	43.8	36.5	36.5	36.5	36.5	36.5	36.5	36.5
77.5°	10.9	10.9	14.6	14.6	10.9	10.9	10.9	10.9	14.6	14.6	14.6
80°	3.6	7.3	7.3	3.6	3.6	3.6	3.6	3.6	7.3	7.3	7.3
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	3.6	3.6	3.6	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	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)