

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: P643734

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44576.6 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

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

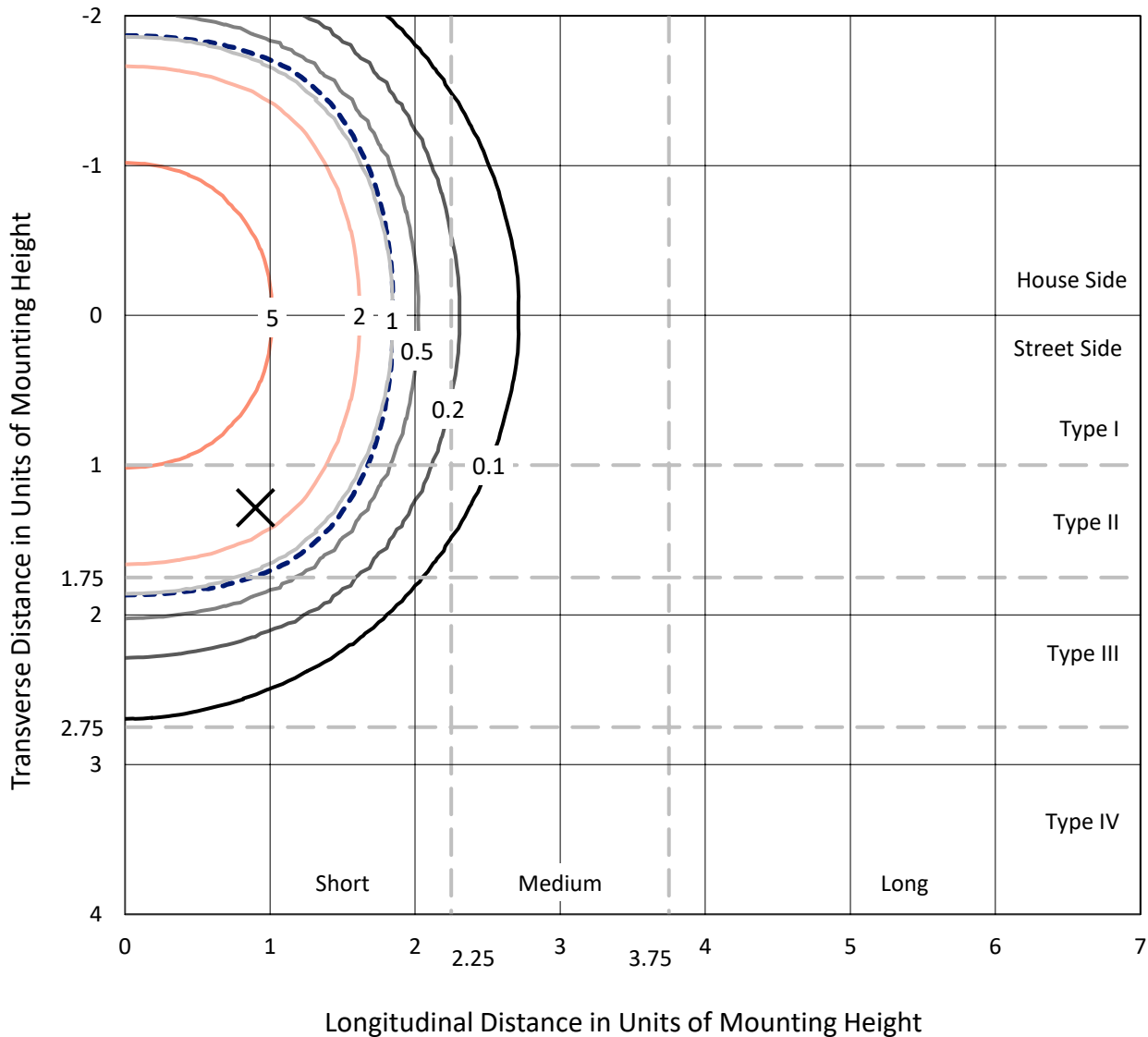


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Iso-Footcandle Lines of Horizontal Illumination

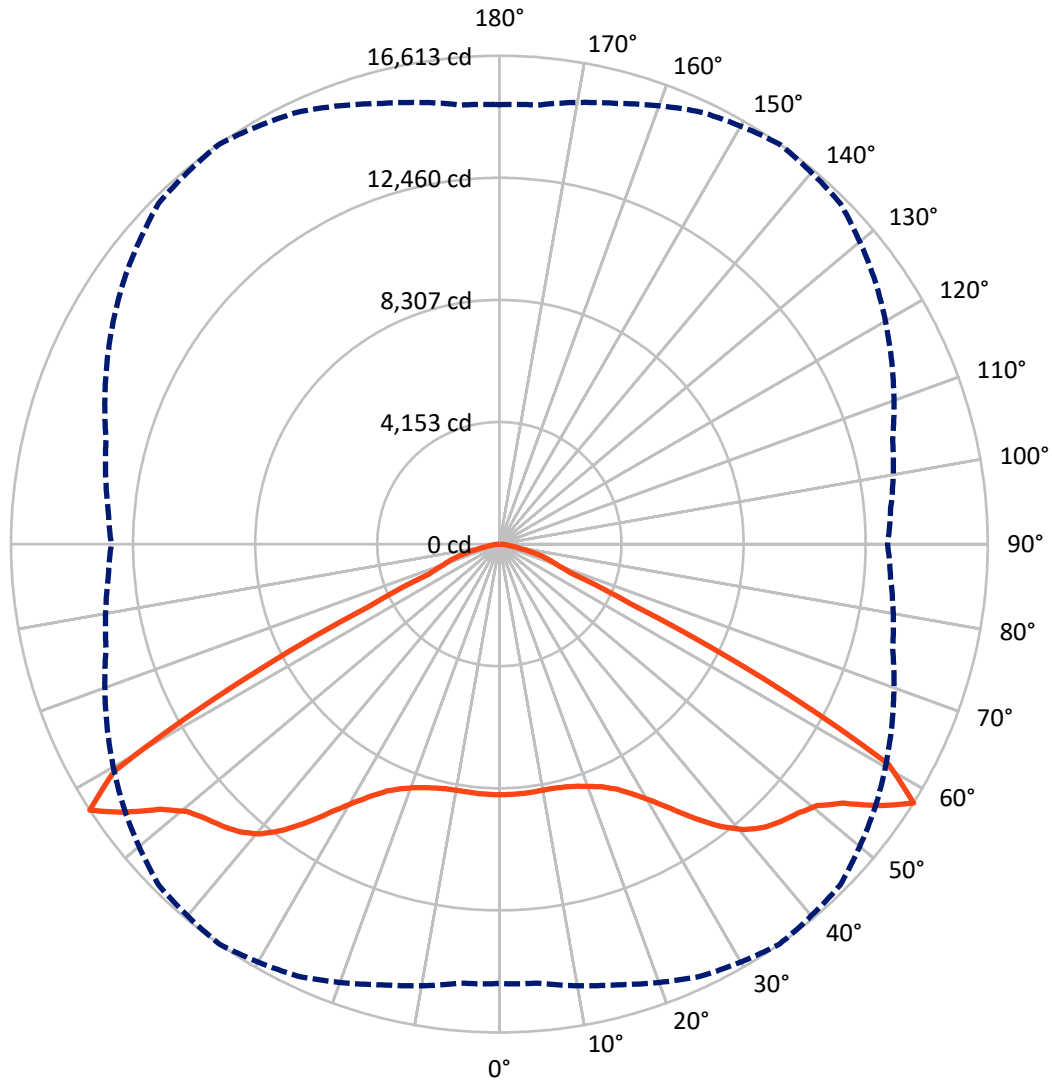
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.5 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	22288.3	0.0	22288.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22288.3	0.0	22288.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	44576.6	0.0	44576.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.4	1.8
10°-20°	2420.8	5.4
20°-30°	4223.9	9.5
30°-40°	6926.3	15.5
40°-50°	10200.8	22.9
50°-60°	13018.0	29.2
60°-70°	5486.4	12.3
70°-80°	1310.6	2.9
80°-90°	178.4	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°	44576.6	100.0
0°-180°	44576.6	100.0

Coefficient of Utilization



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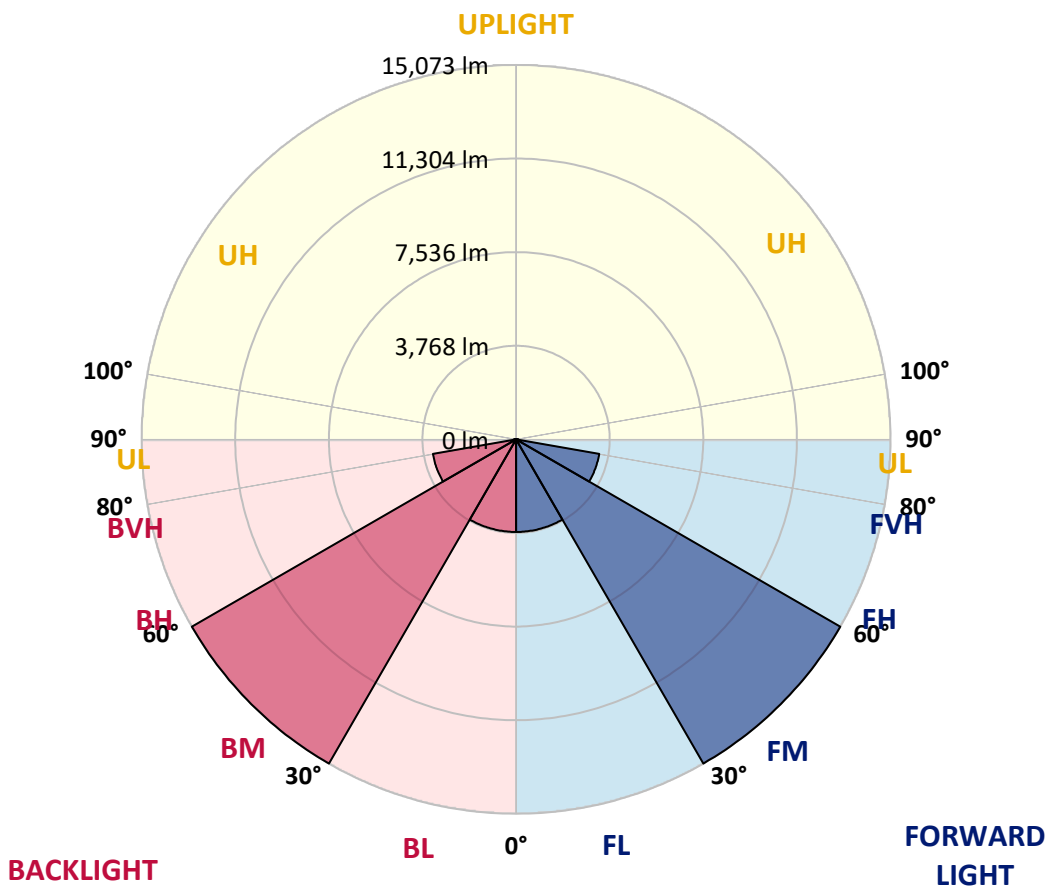
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3728.1	8.4			
FM (30°-60°)	15072.6	33.8			
FH (60°-80°)	3398.5	7.6			G2/5000
FVH (80°-90°)	89.2	0.2			G1/100
BL (0°-30°)	3728.1	8.4	B4/5000		
BM (30°-60°)	15072.6	33.8	B5		
BH (60°-80°)	3398.5	7.6	B4/5000		G2/5000
BVH (80°-90°)	89.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8529.2	8529.2	8529.2	8529.2	8529.2	8529.2	8529.2	8529.2	8529.2	8529.2	8529.2
2.5°	8478.1	8478.1	8496.4	8514.6	8521.9	8554.8	8551.1	8540.2	8532.9	8511.0	8540.2
5°	8496.4	8496.4	8511.0	8521.9	8518.3	8543.8	8532.9	8514.6	8503.7	8481.8	8514.6
7.5°	8492.7	8492.7	8503.7	8514.6	8507.3	8529.2	8511.0	8485.4	8467.2	8445.3	8474.5
10°	8445.3	8452.6	8463.5	8489.1	8500.0	8532.9	8507.3	8467.2	8438.0	8412.4	8441.6
12.5°	8438.0	8445.3	8459.9	8492.7	8511.0	8558.4	8525.6	8459.9	8416.1	8383.2	8412.4
15°	8470.8	8478.1	8500.0	8540.2	8569.4	8620.5	8573.0	8481.8	8419.7	8375.9	8401.5
17.5°	8511.0	8521.9	8554.8	8613.2	8660.6	8715.4	8657.0	8547.5	8459.9	8401.5	8423.4
20°	8554.8	8569.4	8620.5	8708.1	8795.6	8865.0	8792.0	8646.0	8540.2	8463.5	8485.4
22.5°	8631.4	8649.7	8715.4	8839.4	8970.8	9073.0	8981.8	8784.7	8646.0	8547.5	8565.7
25°	8788.3	8810.2	8894.2	9043.8	9230.0	9354.0	9226.3	9003.7	8810.2	8689.8	8708.1
27.5°	9065.7	9076.7	9186.2	9383.2	9613.2	9755.5	9602.2	9339.4	9124.1	8985.4	9000.0
30°	9430.7	9463.5	9573.0	9832.1	10105.9	10295.7	10094.9	9784.7	9536.5	9368.6	9383.2
32.5°	9875.9	9897.8	10062.1	10332.1	10726.3	10945.3	10671.6	10303.0	10003.7	9799.3	9813.9
35°	10459.9	10478.1	10635.1	10978.1	11456.2	11660.6	11346.7	10923.4	10576.7	10383.2	10438.0
37.5°	11157.0	11189.8	11303.0	11642.4	12175.2	12375.9	12014.6	11620.5	11259.2	11080.3	11120.5
40°	11905.1	11901.5	11992.7	12292.0	12777.4	12901.5	12576.7	12262.8	11952.6	11835.8	11901.5
42.5°	12547.5	12529.2	12594.9	12843.1	13178.9	13189.8	12974.5	12799.3	12580.3	12500.0	12562.1
45°	12996.4	13003.7	13102.2	13273.8	13445.3	13354.1	13288.4	13259.2	13087.6	12978.1	12989.1
47.5°	13350.4	13379.6	13536.5	13653.3	13675.2	13521.9	13613.2	13657.0	13514.6	13346.8	13299.3
50°	13664.3	13711.7	13916.1	14040.2	13992.7	13799.3	13978.1	14043.8	13730.0	13408.8	13313.9
52.5°	14233.6	14288.4	14536.5	14697.1	14642.4	14448.9	14616.8	14383.3	13854.1	13459.9	13339.5
55°	15142.4	15167.9	15470.8	15733.6	15708.1	15470.8	15335.8	14817.6	14175.2	13766.5	13653.3
57.5°	14948.9	14992.7	15518.3	16219.0	16613.2	16397.9	15605.9	14722.7	13850.4	13357.7	13204.4
60°	11762.8	11868.6	12521.9	13755.5	15200.8	15197.1	13726.3	12354.1	11303.0	10649.7	10584.0
62.5°	6868.6	6941.6	7536.5	8784.7	10080.3	10160.6	9127.8	8186.2	7266.4	6824.8	6613.2
65°	3251.8	3248.2	3485.4	4047.5	4923.4	4992.7	4682.5	4167.9	3624.1	3474.5	3434.3
67.5°	2401.5	2401.5	2383.2	2423.4	2591.2	2627.7	2591.2	2507.3	2456.2	2489.1	2467.2
70°	2083.9	2087.6	2065.7	2054.8	2054.8	2043.8	2058.4	2091.2	2113.1	2156.9	2135.0
72.5°	1689.8	1693.4	1693.4	1697.1	1700.7	1686.1	1708.0	1726.3	1729.9	1744.5	1729.9
75°	1200.7	1208.0	1229.9	1248.2	1262.8	1262.8	1270.1	1273.7	1259.1	1277.4	1248.2
77.5°	660.6	667.9	708.0	740.9	773.7	777.4	788.3	795.6	788.3	802.9	781.0
80°	365.0	372.3	390.5	405.1	430.7	452.6	467.2	474.5	474.5	485.4	474.5
82.5°	208.0	215.3	226.3	233.6	255.5	273.7	288.3	299.3	299.3	302.9	295.6
85°	98.5	98.5	105.8	113.1	124.1	131.4	149.6	160.6	160.6	167.9	160.6
87.5°	14.6	18.2	21.9	21.9	29.2	36.5	43.8	47.4	54.7	58.4	58.4
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)