

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: P643738

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
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
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53211.6 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

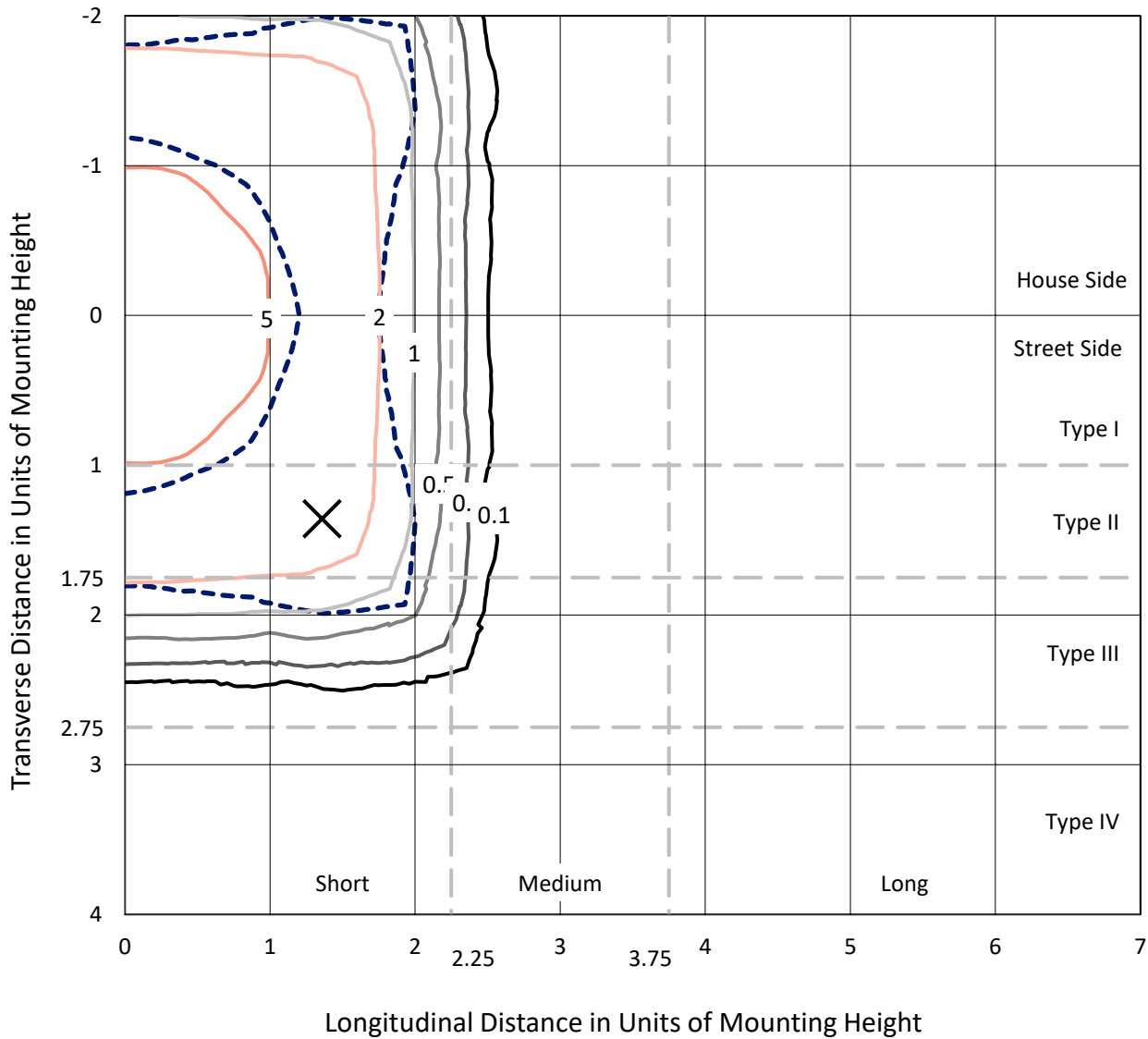
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

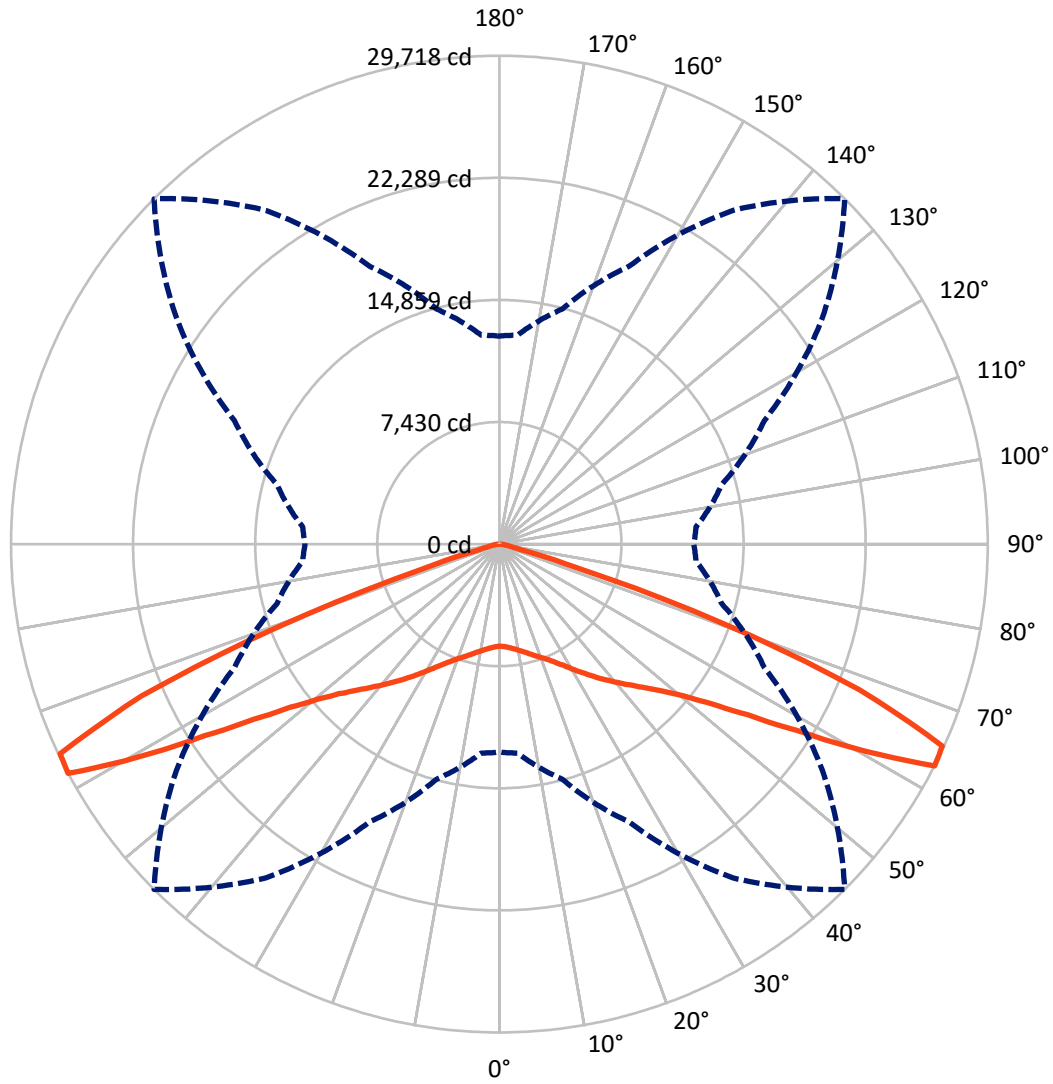
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26605.8	0.0	26605.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26605.8	0.0	26605.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	53211.6	0.0	53211.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.1	1.1
10°-20°	1964.2	3.7
20°-30°	3716.0	7.0
30°-40°	6254.5	11.8
40°-50°	9992.9	18.8
50°-60°	16108.0	30.3
60°-70°	13142.3	24.7
70°-80°	1276.2	2.4
80°-90°	148.5	0.3
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°	53211.6	100.0
0°-180°	53211.6	100.0

Coefficient of Utilization



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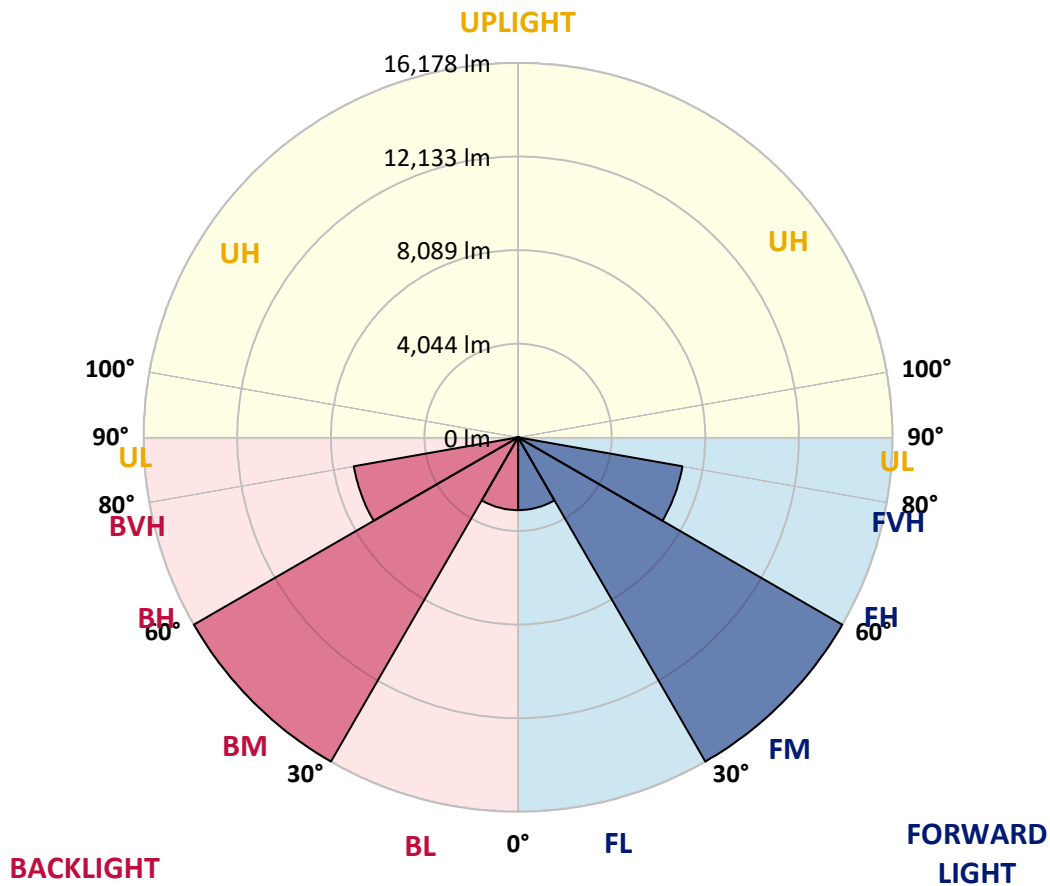
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3144.6	5.9			
FM (30°-60°)	16177.7	30.4			
FH (60°-80°)	7209.3	13.5			G3/7500
FVH (80°-90°)	74.2	0.1			G1/100
BL (0°-30°)	3144.6	5.9	B4/5000		
BM (30°-60°)	16177.7	30.4	B5		
BH (60°-80°)	7209.3	13.5	B5		G3/7500
BVH (80°-90°)	74.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6207.9	6207.9	6207.9	6207.9	6207.9	6207.9	6207.9	6207.9	6207.9	6207.9	6207.9
2.5°	6200.6	6200.6	6215.1	6226.1	6218.8	6248.0	6244.3	6237.0	6233.4	6222.4	6255.3
5°	6284.5	6284.5	6295.4	6306.4	6288.1	6324.6	6310.0	6302.7	6299.1	6284.5	6313.7
7.5°	6379.4	6390.3	6394.0	6412.2	6401.3	6441.4	6430.5	6415.9	6408.6	6390.3	6415.9
10°	6485.2	6492.5	6496.2	6529.0	6532.7	6580.1	6569.2	6550.9	6536.3	6518.1	6554.6
12.5°	6627.5	6631.2	6642.1	6682.3	6693.2	6729.7	6726.1	6700.5	6682.3	6656.7	6696.9
15°	6810.0	6813.7	6831.9	6872.1	6890.3	6934.1	6919.5	6879.4	6853.8	6824.6	6857.5
17.5°	6999.8	7014.4	7032.6	7072.8	7098.3	7149.4	7131.2	7087.4	7065.5	7036.3	7058.2
20°	7244.3	7248.0	7258.9	7302.7	7321.0	7379.3	7383.0	7339.2	7328.3	7299.1	7331.9
22.5°	7514.4	7518.0	7529.0	7576.4	7609.3	7645.8	7667.7	7642.1	7623.9	7587.4	7627.5
25°	7813.6	7850.1	7861.1	7919.5	7956.0	7977.9	8003.4	7992.5	7966.9	7923.1	7941.4
27.5°	8233.3	8240.6	8258.9	8324.6	8346.5	8368.4	8393.9	8397.6	8361.1	8310.0	8335.5
30°	8711.4	8707.8	8747.9	8799.0	8817.3	8835.5	8872.0	8893.9	8846.5	8791.7	8817.3
32.5°	9200.5	9244.3	9295.4	9342.8	9331.8	9339.1	9397.5	9437.7	9372.0	9273.5	9295.4
35°	9751.5	9780.7	9846.4	9915.8	9901.2	9890.2	9926.7	9966.9	9875.6	9747.9	9780.7
37.5°	10317.2	10361.0	10459.6	10543.5	10521.6	10470.5	10510.6	10554.4	10466.9	10320.9	10306.3
40°	10948.6	11017.9	11160.3	11229.6	11171.2	11072.7	11142.0	11247.9	11160.3	10992.4	10952.2
42.5°	11689.4	11773.4	11915.7	12021.6	11893.8	11733.2	11850.0	12003.3	11981.4	11758.8	11689.4
45°	12605.5	12660.2	12835.4	12886.5	12696.7	12474.1	12685.8	12919.3	12864.6	12623.7	12532.5
47.5°	13601.8	13685.7	13839.0	13933.9	13627.3	13350.0	13645.6	13959.5	13901.1	13674.8	13569.0
50°	14871.8	14981.3	15182.0	15262.3	14839.0	14521.5	14901.0	15298.8	15185.7	14882.8	14744.1
52.5°	16255.0	16342.6	16685.7	16846.2	16448.4	16105.4	16437.5	16828.0	16587.1	16185.7	15999.5
55°	17474.0	17561.5	18065.2	18598.0	18579.8	18342.5	18510.4	18517.7	17864.4	17200.2	17003.2
57.5°	17736.7	17824.3	18784.1	20178.3	21163.6	21437.3	20944.7	19908.2	18262.2	17098.0	16875.4
60°	16335.3	16433.8	17959.3	20506.7	23747.5	25575.9	23305.9	19879.0	17032.4	15455.8	15244.1
62.5°	12656.6	12762.4	14813.4	18638.2	24791.3	29718.1	23992.0	17787.8	14010.5	12014.3	11828.1
65°	6043.6	6043.6	8649.4	13368.2	22711.0	29619.6	22006.7	13160.2	8434.1	6477.9	6317.3
67.5°	1496.3	1503.6	2226.2	5204.2	15448.5	23638.0	15700.3	6317.3	2970.7	2102.1	2047.4
70°	934.3	930.6	1032.8	1408.7	5405.0	14346.3	6419.5	1905.1	1208.0	1065.7	1058.4
72.5°	726.3	726.3	777.3	901.4	1416.0	4886.7	1872.2	1058.4	875.9	788.3	788.3
75°	573.0	573.0	609.5	675.2	835.7	1259.1	996.3	784.6	678.8	620.4	613.1
77.5°	427.0	434.3	463.5	507.3	569.3	708.0	631.4	591.2	529.2	485.4	470.8
80°	277.4	288.3	324.8	350.4	372.3	467.1	412.4	430.6	401.4	350.4	343.1
82.5°	149.6	153.3	197.1	204.4	211.7	255.5	262.8	273.7	284.7	222.6	208.0
85°	54.7	54.7	65.7	76.6	83.9	91.2	124.1	153.3	160.6	127.7	124.1
87.5°	10.9	10.9	10.9	7.3	7.3	7.3	21.9	40.1	65.7	51.1	51.1
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)