

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: P643789

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643789
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43965.7 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

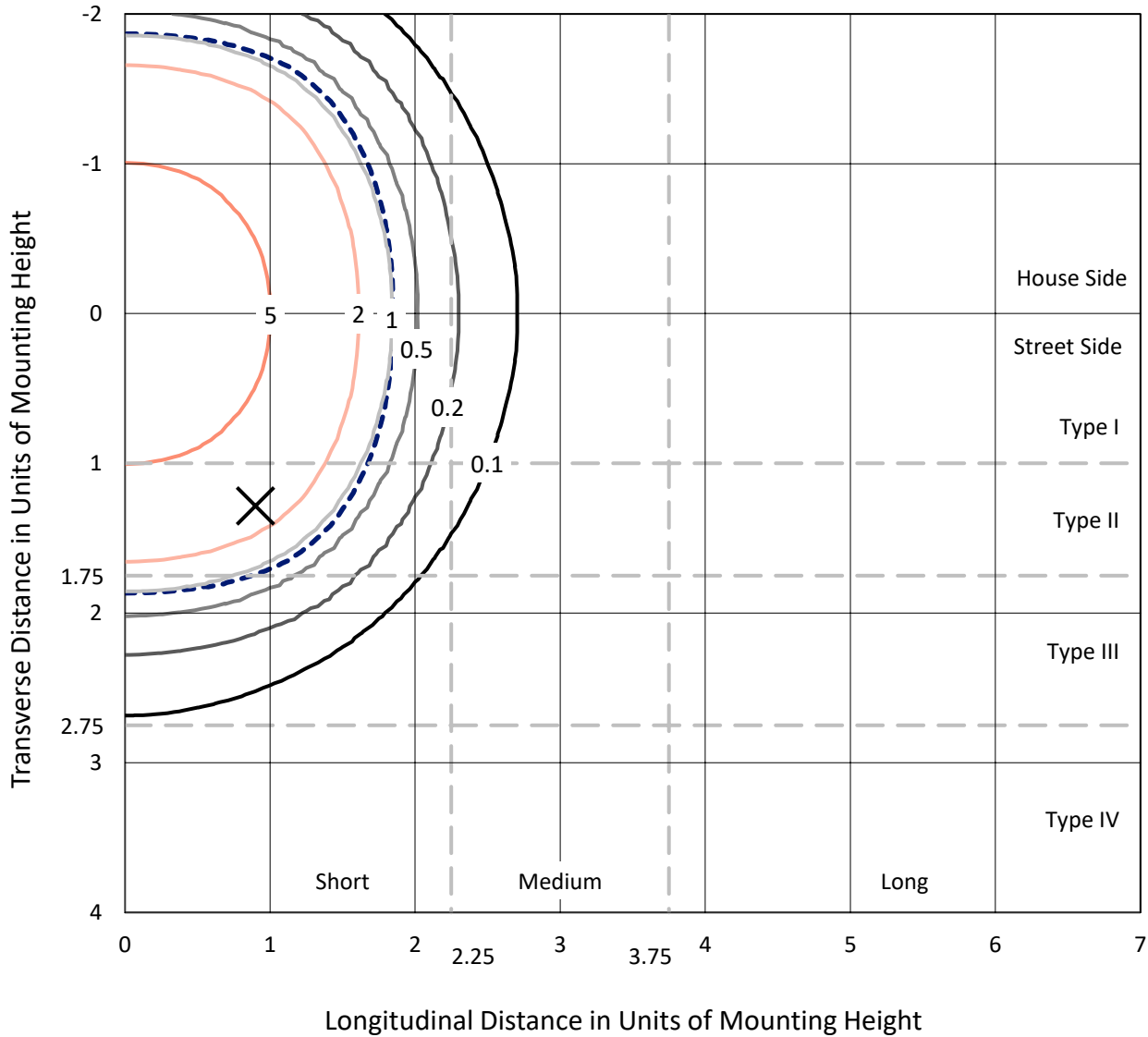
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

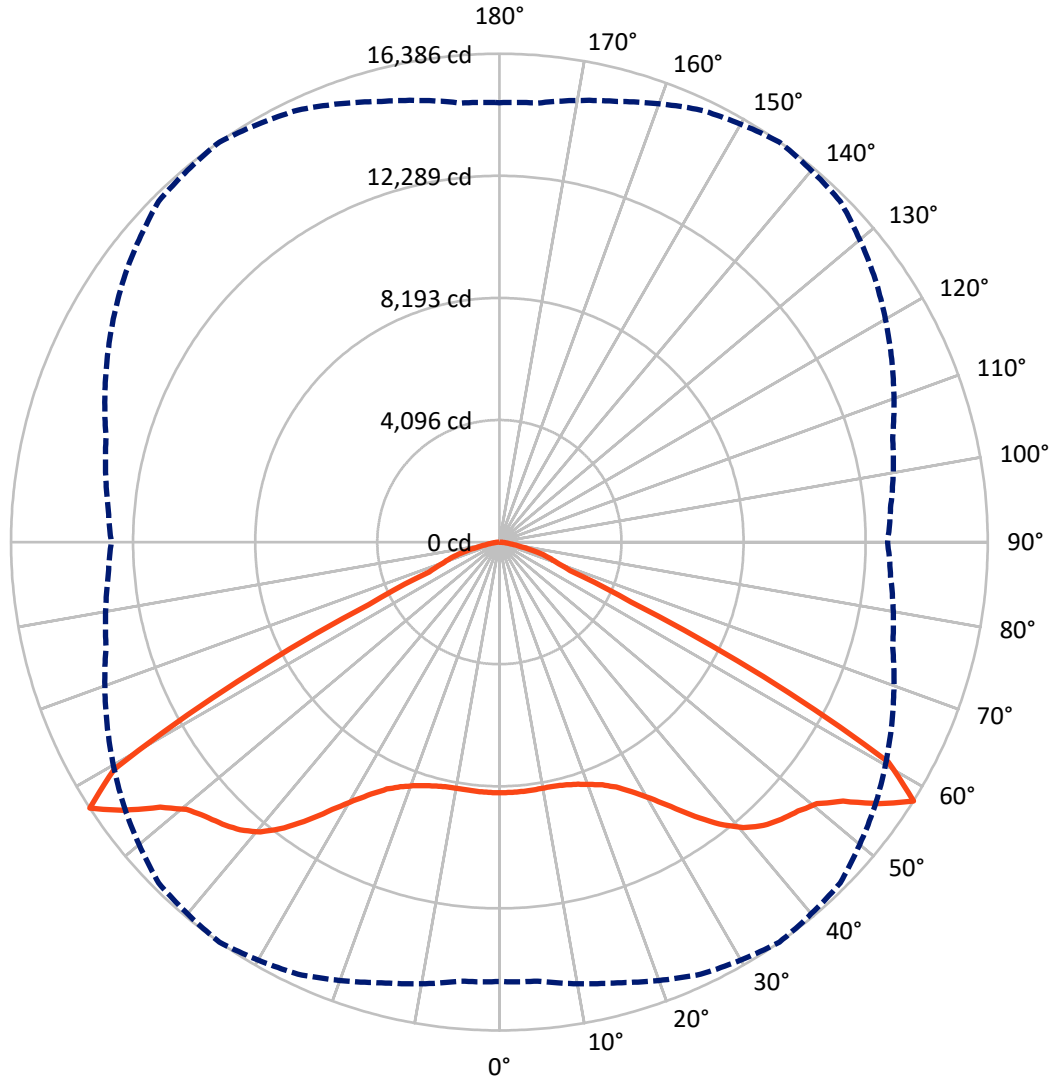
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.3 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	21982.9	0.0	21982.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21982.9	0.0	21982.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	43965.7	0.0	43965.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.3	1.8
10°-20°	2387.7	5.4
20°-30°	4166.0	9.5
30°-40°	6831.4	15.5
40°-50°	10061.0	22.9
50°-60°	12839.6	29.2
60°-70°	5411.2	12.3
70°-80°	1292.6	2.9
80°-90°	176.0	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°	43965.7	100.0
0°-180°	43965.7	100.0

Coefficient of Utilization



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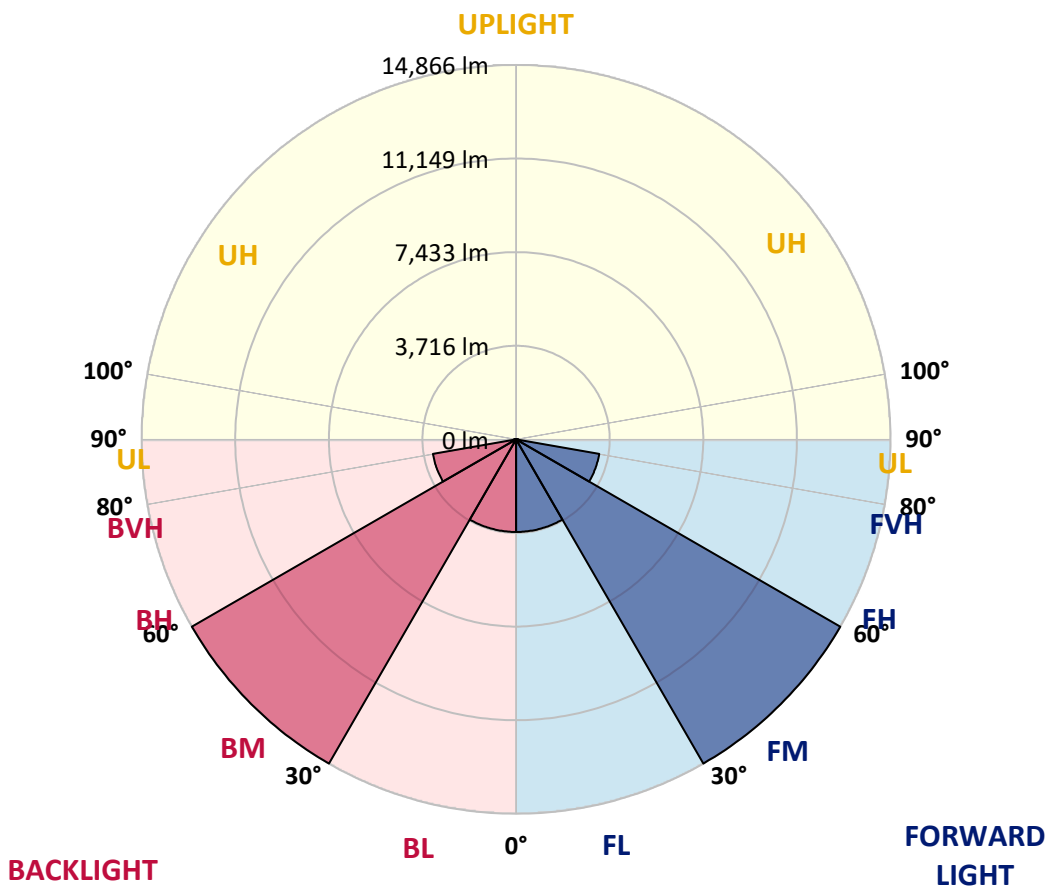
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3677.0	8.4			
FM (30°-60°)	14866.0	33.8			
FH (60°-80°)	3351.9	7.6			G2/5000
FVH (80°-90°)	88.0	0.2			G1/100
BL (0°-30°)	3677.0	8.4	B4/5000		
BM (30°-60°)	14866.0	33.8	B5		
BH (60°-80°)	3351.9	7.6	B4/5000		G2/5000
BVH (80°-90°)	88.0	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°	8412.3	8412.3	8412.3	8412.3	8412.3	8412.3	8412.3	8412.3	8412.3	8412.3	8412.3
2.5°	8361.9	8361.9	8379.9	8397.9	8405.1	8437.5	8433.9	8423.1	8415.9	8394.3	8423.1
5°	8379.9	8379.9	8394.3	8405.1	8401.5	8426.7	8415.9	8397.9	8387.1	8365.5	8397.9
7.5°	8376.3	8376.3	8387.1	8397.9	8390.7	8412.3	8394.3	8369.1	8351.1	8329.5	8358.3
10°	8329.5	8336.7	8347.5	8372.7	8383.5	8415.9	8390.7	8351.1	8322.3	8297.1	8325.9
12.5°	8322.3	8329.5	8343.9	8376.3	8394.3	8441.1	8408.7	8343.9	8300.7	8268.3	8297.1
15°	8354.7	8361.9	8383.5	8423.1	8451.9	8502.3	8455.5	8365.5	8304.3	8261.1	8286.3
17.5°	8394.3	8405.1	8437.5	8495.1	8541.9	8595.9	8538.3	8430.3	8343.9	8286.3	8307.9
20°	8437.5	8451.9	8502.3	8588.7	8675.1	8743.5	8671.5	8527.5	8423.1	8347.5	8369.1
22.5°	8513.1	8531.1	8595.9	8718.3	8847.9	8948.7	8858.7	8664.3	8527.5	8430.3	8448.3
25°	8667.9	8689.5	8772.3	8919.9	9103.5	9225.8	9099.9	8880.3	8689.5	8570.7	8588.7
27.5°	8941.5	8952.3	9060.3	9254.6	9481.4	9621.8	9470.6	9211.5	8999.1	8862.3	8876.7
30°	9301.4	9333.8	9441.8	9697.4	9967.4	10154.6	9956.6	9650.6	9405.8	9240.2	9254.6
32.5°	9740.6	9762.2	9924.2	10190.6	10579.3	10795.3	10525.3	10161.8	9866.6	9665.0	9679.4
35°	10316.5	10334.5	10489.3	10827.7	11299.2	11500.8	11191.2	10773.7	10431.7	10240.9	10294.9
37.5°	11004.1	11036.5	11148.1	11482.8	12008.4	12206.3	11850.0	11461.2	11104.9	10928.5	10968.1
40°	11742.0	11738.4	11828.4	12123.6	12602.3	12724.7	12404.3	12094.8	11788.8	11673.6	11738.4
42.5°	12375.5	12357.5	12422.3	12667.1	12998.3	13009.1	12796.7	12623.9	12407.9	12328.7	12389.9
45°	12818.3	12825.5	12922.7	13091.9	13261.0	13171.0	13106.3	13077.5	12908.3	12800.3	12811.1
47.5°	13167.4	13196.2	13351.0	13466.2	13487.8	13336.6	13426.6	13469.8	13329.4	13163.8	13117.0
50°	13477.0	13523.8	13725.4	13847.8	13801.0	13610.2	13786.6	13851.4	13541.8	13225.0	13131.4
52.5°	14038.6	14092.5	14337.3	14495.7	14441.7	14250.9	14416.5	14186.1	13664.2	13275.4	13156.6
55°	14934.9	14960.1	15258.8	15518.0	15492.8	15258.8	15125.6	14614.5	13981.0	13577.8	13466.2
57.5°	14744.1	14787.3	15305.6	15996.8	16385.5	16173.1	15392.0	14520.9	13660.6	13174.6	13023.5
60°	11601.6	11706.0	12350.3	13567.0	14992.5	14988.9	13538.2	12184.7	11148.1	10503.7	10438.9
62.5°	6774.5	6846.5	7433.2	8664.3	9942.2	10021.4	9002.7	8074.0	7166.9	6731.3	6522.5
65°	3207.3	3203.7	3437.6	3992.0	4855.9	4924.3	4618.3	4110.8	3574.4	3426.8	3387.3
67.5°	2368.6	2368.6	2350.6	2390.2	2555.7	2591.7	2555.7	2472.9	2422.6	2454.9	2433.3
70°	2055.4	2059.0	2037.4	2026.6	2026.6	2015.8	2030.2	2062.6	2084.2	2127.4	2105.8
72.5°	1666.6	1670.2	1670.2	1673.8	1677.4	1663.0	1684.6	1702.6	1706.2	1720.6	1706.2
75°	1184.3	1191.5	1213.1	1231.1	1245.5	1245.5	1252.7	1256.3	1241.9	1259.9	1231.1
77.5°	651.5	658.7	698.3	730.7	763.1	766.7	777.5	784.7	777.5	791.9	770.3
80°	360.0	367.2	385.2	399.6	424.8	446.4	460.8	468.0	468.0	478.8	468.0
82.5°	205.2	212.4	223.2	230.4	252.0	270.0	284.4	295.2	295.2	298.8	291.6
85°	97.2	97.2	104.4	111.6	122.4	129.6	147.6	158.4	158.4	165.6	158.4
87.5°	14.4	18.0	21.6	21.6	28.8	36.0	43.2	46.8	54.0	57.6	57.6
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)