

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: P643793

Luminaire Tested: GWS-SA6F-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643793
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-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52482.4 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

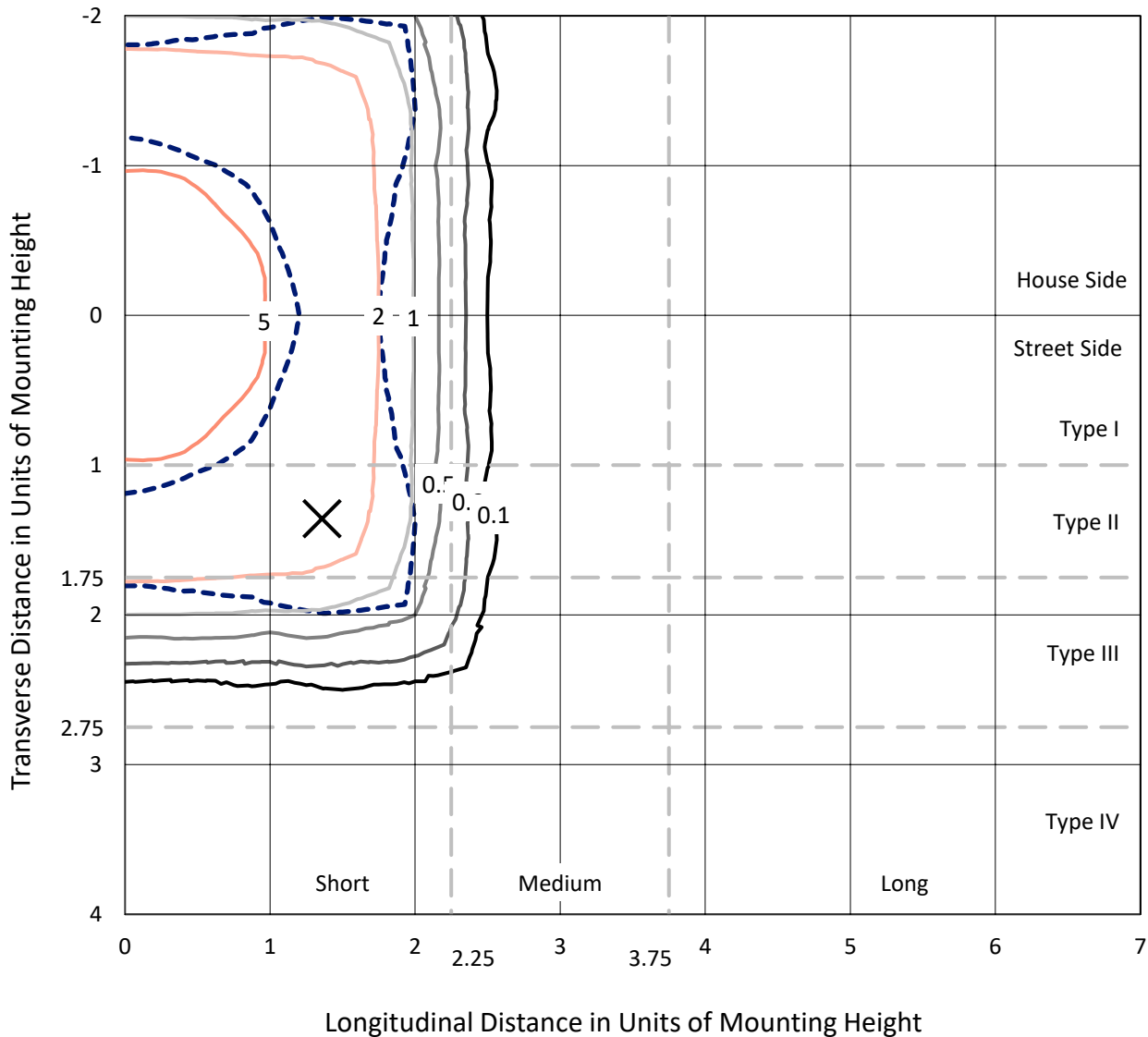
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

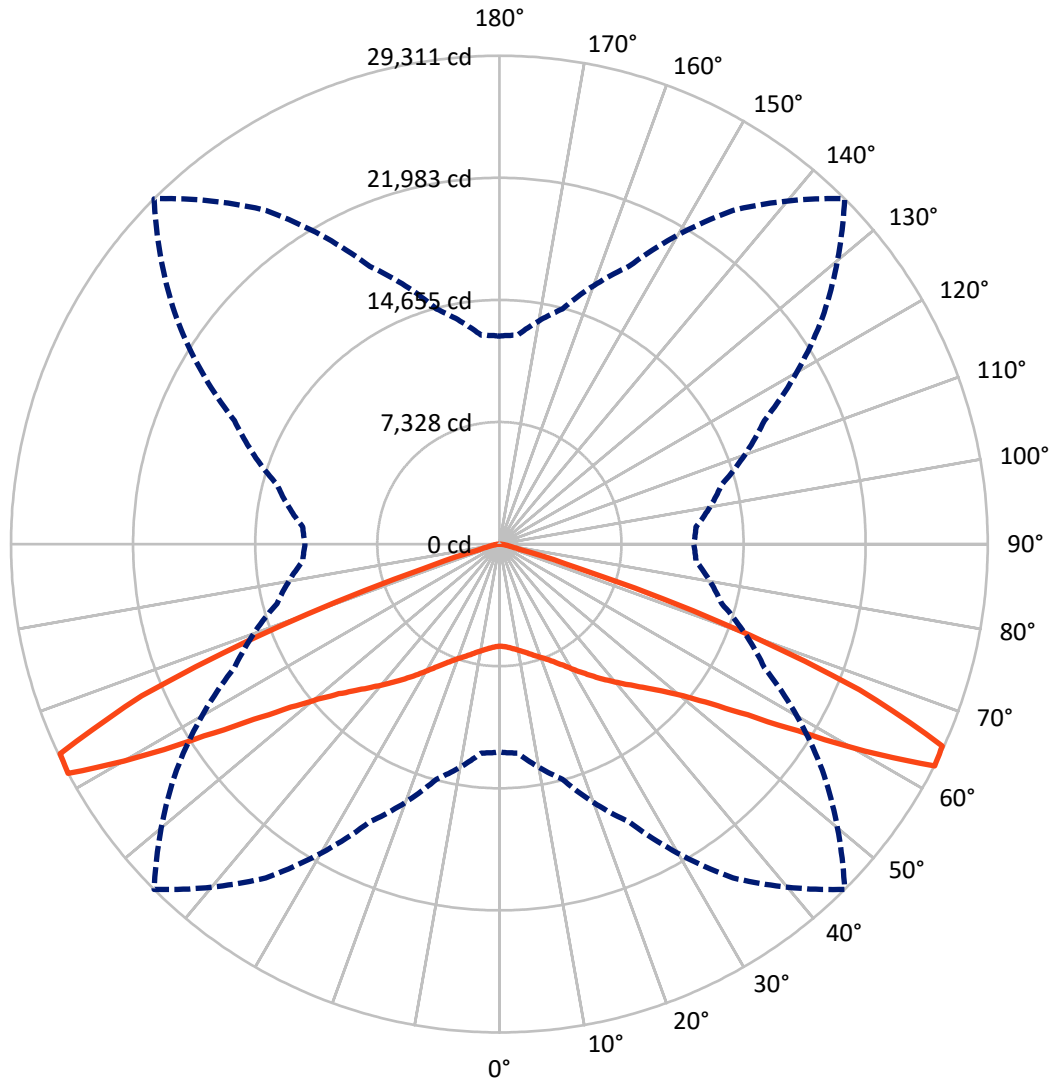
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.9 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	26241.2	0.0	26241.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26241.2	0.0	26241.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	52482.4	0.0	52482.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.7	1.1
10°-20°	1937.2	3.7
20°-30°	3665.0	7.0
30°-40°	6168.8	11.8
40°-50°	9855.9	18.8
50°-60°	15887.2	30.3
60°-70°	12962.2	24.7
70°-80°	1258.7	2.4
80°-90°	146.5	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°	52482.4	100.0
0°-180°	52482.4	100.0

Coefficient of Utilization



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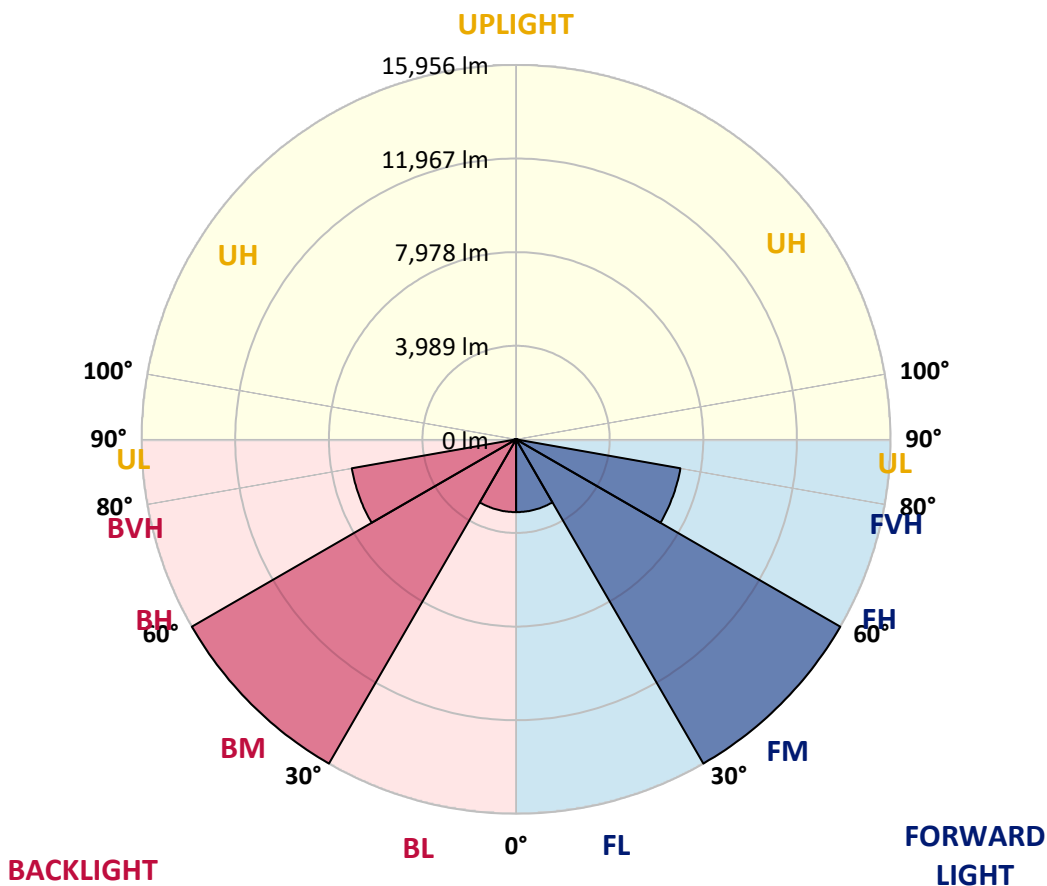
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3101.5	5.9			
FM (30°-60°)	15956.0	30.4			
FH (60°-80°)	7110.5	13.5			G3/7500
FVH (80°-90°)	73.2	0.1			G1/100
BL (0°-30°)	3101.5	5.9	B4/5000		
BM (30°-60°)	15956.0	30.4	B5		
BH (60°-80°)	7110.5	13.5	B5		G3/7500
BVH (80°-90°)	73.2	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°	6122.8	6122.8	6122.8	6122.8	6122.8	6122.8	6122.8	6122.8	6122.8	6122.8	6122.8
2.5°	6115.6	6115.6	6130.0	6140.8	6133.6	6162.4	6158.8	6151.6	6148.0	6137.2	6169.6
5°	6198.4	6198.4	6209.2	6220.0	6202.0	6238.0	6223.6	6216.4	6212.8	6198.4	6227.2
7.5°	6292.0	6302.8	6306.4	6324.4	6313.6	6353.1	6342.4	6328.0	6320.8	6302.8	6328.0
10°	6396.3	6403.5	6407.1	6439.5	6443.1	6489.9	6479.1	6461.1	6446.7	6428.7	6464.7
12.5°	6536.7	6540.3	6551.1	6590.7	6601.5	6637.5	6633.9	6608.7	6590.7	6565.5	6605.1
15°	6716.7	6720.3	6738.3	6777.9	6795.9	6839.1	6824.7	6785.1	6759.9	6731.1	6763.5
17.5°	6903.9	6918.3	6936.3	6975.9	7001.1	7051.5	7033.5	6990.3	6968.7	6939.9	6961.5
20°	7145.0	7148.6	7159.4	7202.6	7220.6	7278.2	7281.8	7238.6	7227.8	7199.0	7231.4
22.5°	7411.4	7415.0	7425.8	7472.6	7505.0	7541.0	7562.6	7537.4	7519.4	7483.4	7523.0
25°	7706.6	7742.6	7753.4	7811.0	7846.9	7868.5	7893.7	7882.9	7857.7	7814.6	7832.6
27.5°	8120.5	8127.7	8145.7	8210.5	8232.1	8253.7	8278.9	8282.5	8246.5	8196.1	8221.3
30°	8592.0	8588.4	8628.0	8678.4	8696.4	8714.4	8750.4	8772.0	8725.2	8671.2	8696.4
32.5°	9074.4	9117.6	9168.0	9214.8	9204.0	9211.2	9268.8	9308.4	9243.6	9146.4	9168.0
35°	9617.9	9646.7	9711.5	9779.9	9765.5	9754.7	9790.7	9830.3	9740.3	9614.3	9646.7
37.5°	10175.8	10219.0	10316.2	10399.0	10377.4	10327.0	10366.6	10409.8	10323.4	10179.4	10165.0
40°	10798.6	10866.9	11007.3	11075.7	11018.1	10920.9	10989.3	11093.7	11007.3	10841.7	10802.2
42.5°	11529.3	11612.0	11752.4	11856.8	11730.8	11572.4	11687.6	11838.8	11817.2	11597.6	11529.3
45°	12432.7	12486.7	12659.5	12709.9	12522.7	12303.2	12511.9	12742.3	12688.3	12450.7	12360.7
47.5°	13415.4	13498.2	13649.4	13743.0	13440.6	13167.0	13458.6	13768.2	13710.6	13487.4	13383.0
50°	14668.0	14776.0	14974.0	15053.2	14635.6	14322.5	14696.8	15089.2	14977.6	14678.8	14542.1
52.5°	16032.3	16118.6	16457.0	16615.4	16223.0	15884.7	16212.2	16597.4	16359.8	15963.9	15780.3
55°	17234.5	17320.9	17817.6	18343.1	18325.1	18091.2	18256.8	18264.0	17619.6	16964.5	16770.2
57.5°	17493.7	17580.0	18526.7	19901.7	20873.6	21143.6	20657.6	19635.4	18012.0	16863.7	16644.2
60°	16111.4	16208.6	17713.2	20225.7	23422.1	25225.4	22986.5	19606.6	16798.9	15244.0	15035.2
62.5°	12483.1	12587.5	14610.4	18382.7	24451.5	29310.9	23663.2	17544.0	13818.5	11849.6	11666.0
65°	5960.8	5960.8	8530.9	13185.0	22399.8	29213.7	21705.1	12979.9	8318.5	6389.1	6230.8
67.5°	1475.8	1483.0	2195.7	5132.9	15236.8	23314.1	15485.1	6230.8	2930.0	2073.3	2019.3
70°	921.5	917.9	1018.7	1389.4	5330.9	14149.7	6331.6	1878.9	1191.4	1051.1	1043.9
72.5°	716.3	716.3	766.7	889.1	1396.6	4819.8	1846.6	1043.9	863.9	777.5	777.5
75°	565.1	565.1	601.1	665.9	824.3	1241.8	982.7	773.9	669.5	611.9	604.7
77.5°	421.1	428.3	457.1	500.3	561.5	698.3	622.7	583.1	521.9	478.7	464.3
80°	273.6	284.4	320.4	345.6	367.2	460.7	406.7	424.7	395.9	345.6	338.4
82.5°	147.6	151.2	194.4	201.6	208.8	252.0	259.2	270.0	280.8	219.6	205.2
85°	54.0	54.0	64.8	75.6	82.8	90.0	122.4	151.2	158.4	126.0	122.4
87.5°	10.8	10.8	10.8	7.2	7.2	7.2	21.6	39.6	64.8	50.4	50.4
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)