

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: P643628

Luminaire Tested: GWS-SA6F-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643628
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-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51306.6 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

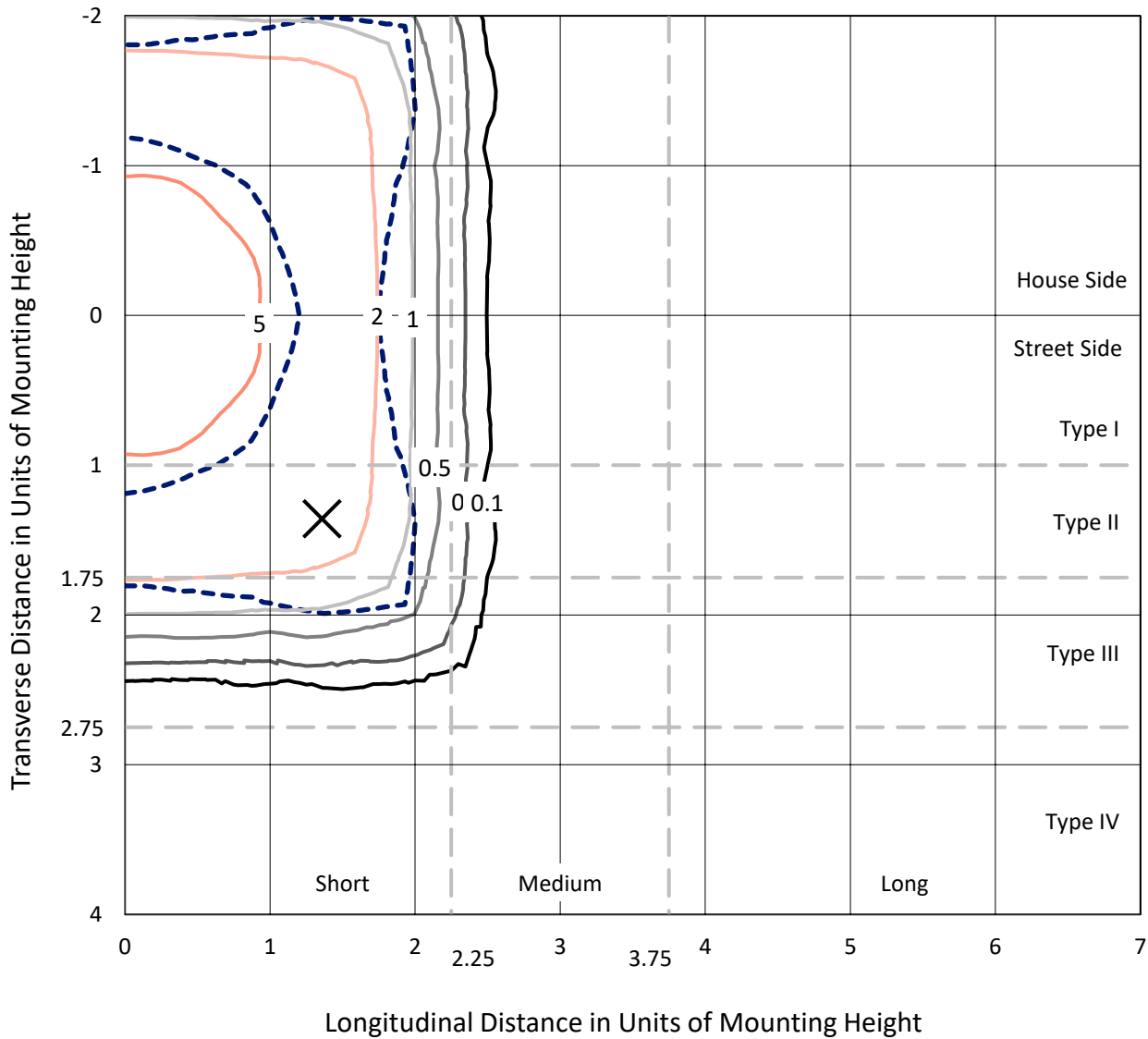
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

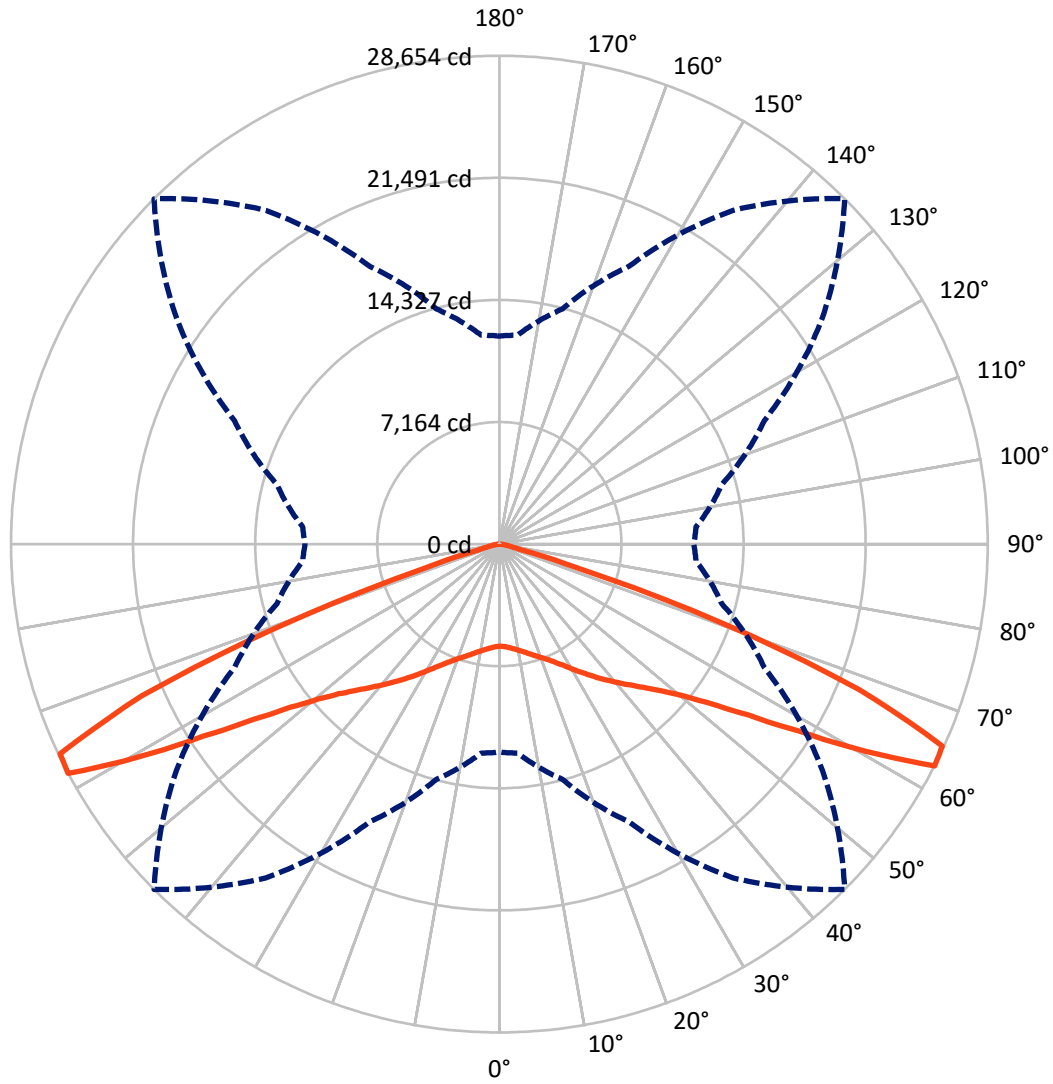
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 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	25653.3	0.0	25653.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25653.3	0.0	25653.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	51306.6	0.0	51306.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.3	1.1
10°-20°	1893.8	3.7
20°-30°	3582.9	7.0
30°-40°	6030.6	11.8
40°-50°	9635.1	18.8
50°-60°	15531.3	30.3
60°-70°	12671.8	24.7
70°-80°	1230.5	2.4
80°-90°	143.2	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°	51306.6	100.0
0°-180°	51306.6	100.0

Coefficient of Utilization



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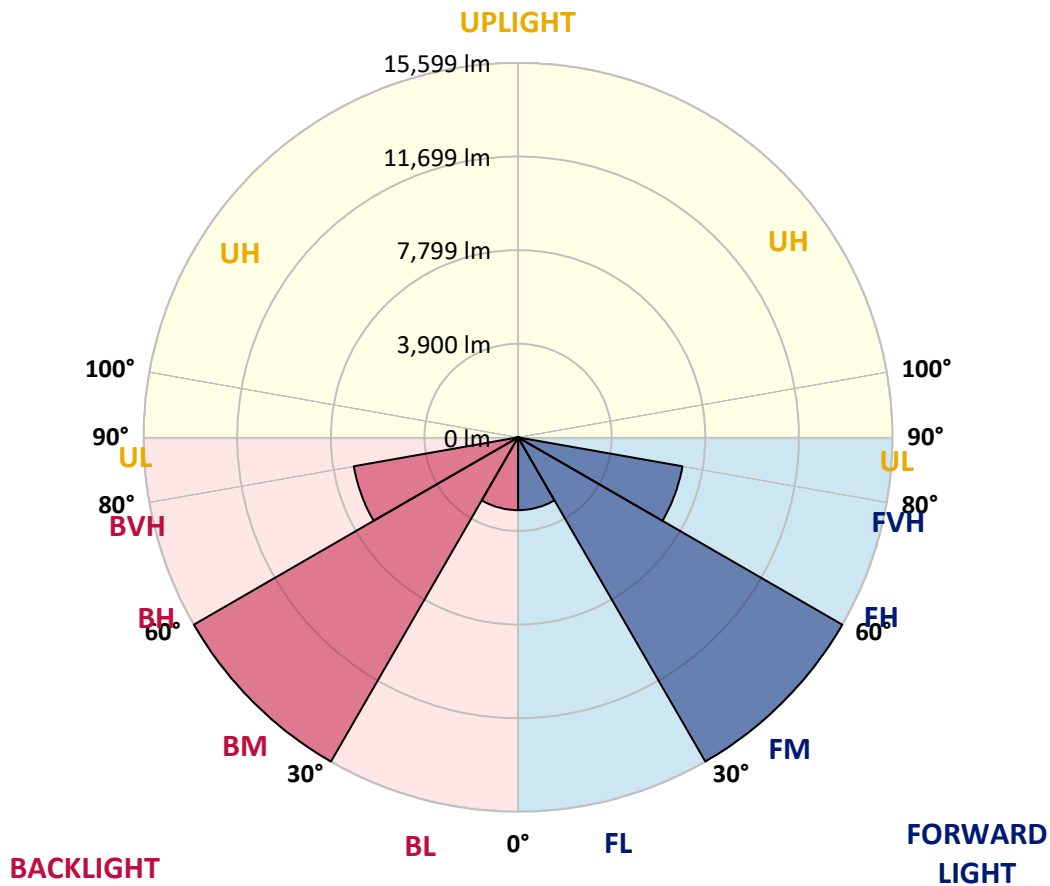
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3032.0	5.9			
FM (30°-60°)	15598.5	30.4			
FH (60°-80°)	6951.2	13.5			G3/7500
FVH (80°-90°)	71.6	0.1			G1/100
BL (0°-30°)	3032.0	5.9	B4/5000		
BM (30°-60°)	15598.5	30.4	B5		
BH (60°-80°)	6951.2	13.5	B5		G3/7500
BVH (80°-90°)	71.6	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°	5985.6	5985.6	5985.6	5985.6	5985.6	5985.6	5985.6	5985.6	5985.6	5985.6	5985.6
2.5°	5978.6	5978.6	5992.6	6003.2	5996.2	6024.3	6020.8	6013.8	6010.2	5999.7	6031.4
5°	6059.5	6059.5	6070.1	6080.6	6063.0	6098.2	6084.1	6077.1	6073.6	6059.5	6087.7
7.5°	6151.0	6161.6	6165.1	6182.7	6172.1	6210.8	6200.3	6186.2	6179.1	6161.6	6186.2
10°	6253.0	6260.1	6263.6	6295.3	6298.8	6344.5	6334.0	6316.4	6302.3	6284.7	6319.9
12.5°	6390.3	6393.8	6404.4	6443.1	6453.6	6488.8	6485.3	6460.7	6443.1	6418.4	6457.1
15°	6566.2	6569.7	6587.3	6626.0	6643.6	6685.9	6671.8	6633.1	6608.4	6580.3	6612.0
17.5°	6749.2	6763.3	6780.9	6819.6	6844.2	6893.5	6875.9	6833.7	6812.5	6784.4	6805.5
20°	6985.0	6988.5	6999.0	7041.3	7058.9	7115.2	7118.7	7076.5	7065.9	7037.8	7069.4
22.5°	7245.4	7248.9	7259.4	7305.2	7336.9	7372.0	7393.2	7368.5	7350.9	7315.7	7354.4
25°	7533.9	7569.1	7579.7	7636.0	7671.1	7692.3	7716.9	7706.3	7681.7	7639.5	7657.1
27.5°	7938.6	7945.6	7963.2	8026.6	8047.7	8068.8	8093.4	8096.9	8061.7	8012.5	8037.1
30°	8399.6	8396.0	8434.7	8484.0	8501.6	8519.2	8554.4	8575.5	8529.8	8477.0	8501.6
32.5°	8871.1	8913.3	8962.6	9008.3	8997.8	9004.8	9061.1	9099.8	9036.5	8941.5	8962.6
35°	9402.4	9430.6	9493.9	9560.8	9546.7	9536.2	9571.3	9610.0	9522.1	9398.9	9430.6
37.5°	9947.9	9990.1	10085.1	10166.0	10144.9	10095.7	10134.4	10176.6	10092.1	9951.4	9937.3
40°	10556.6	10623.5	10760.7	10827.6	10771.3	10676.3	10743.1	10845.2	10760.7	10598.9	10560.1
42.5°	11271.0	11351.9	11489.1	11591.2	11468.0	11313.2	11425.8	11573.6	11552.5	11337.8	11271.0
45°	12154.2	12207.0	12375.9	12425.1	12242.2	12027.5	12231.6	12456.8	12404.0	12171.8	12083.8
47.5°	13114.8	13195.8	13343.6	13435.1	13139.5	12872.0	13157.1	13459.7	13403.4	13185.2	13083.2
50°	14339.4	14445.0	14638.5	14715.9	14307.7	14001.6	14367.6	14751.1	14642.0	14350.0	14216.3
52.5°	15673.1	15757.5	16088.3	16243.1	15859.6	15528.8	15849.0	16225.5	15993.3	15606.2	15426.7
55°	16848.4	16932.8	17418.4	17932.2	17914.6	17685.9	17847.7	17854.8	17224.9	16584.5	16394.4
57.5°	17101.7	17186.2	18111.7	19455.9	20406.0	20669.9	20194.8	19195.5	17608.5	16485.9	16271.3
60°	15750.5	15845.5	17316.4	19772.6	22897.3	24660.3	22471.5	19167.3	16422.6	14902.4	14698.3
62.5°	12203.5	12305.5	14283.1	17970.9	23903.7	28654.2	23133.1	17151.0	13509.0	11584.1	11404.7
65°	5827.3	5827.3	8339.7	12889.6	21898.0	28559.2	21218.8	12689.1	8132.1	6246.0	6091.2
67.5°	1442.7	1449.8	2146.5	5017.9	14895.4	22791.8	15138.2	6091.2	2864.4	2026.9	1974.1
70°	900.8	897.3	995.8	1358.3	5211.5	13832.7	6189.7	1836.9	1164.7	1027.5	1020.5
72.5°	700.3	700.3	749.5	869.2	1365.3	4711.8	1805.2	1020.5	844.5	760.1	760.1
75°	552.5	552.5	587.7	651.0	805.8	1214.0	960.7	756.6	654.5	598.2	591.2
77.5°	411.7	418.7	446.9	489.1	548.9	682.7	608.8	570.1	510.2	468.0	453.9
80°	267.4	278.0	313.2	337.8	358.9	450.4	397.6	415.2	387.1	337.8	330.8
82.5°	144.3	147.8	190.0	197.1	204.1	246.3	253.4	263.9	274.5	214.7	200.6
85°	52.8	52.8	63.3	73.9	80.9	88.0	119.6	147.8	154.8	123.2	119.6
87.5°	10.6	10.6	10.6	7.0	7.0	7.0	21.1	38.7	63.3	49.3	49.3
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)