

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: P641150

Luminaire Tested: GWS-SA5F-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42631.5 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

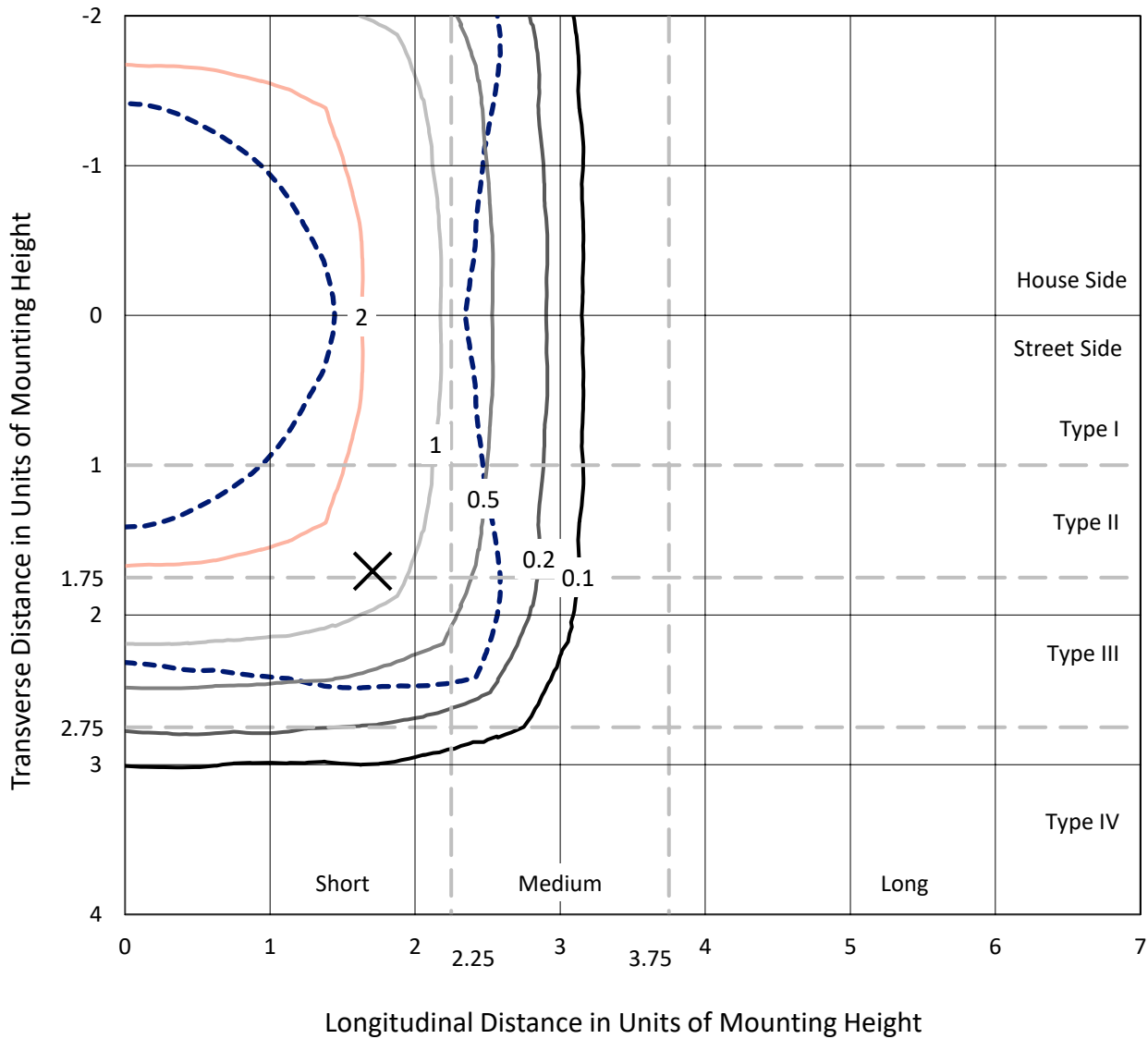
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

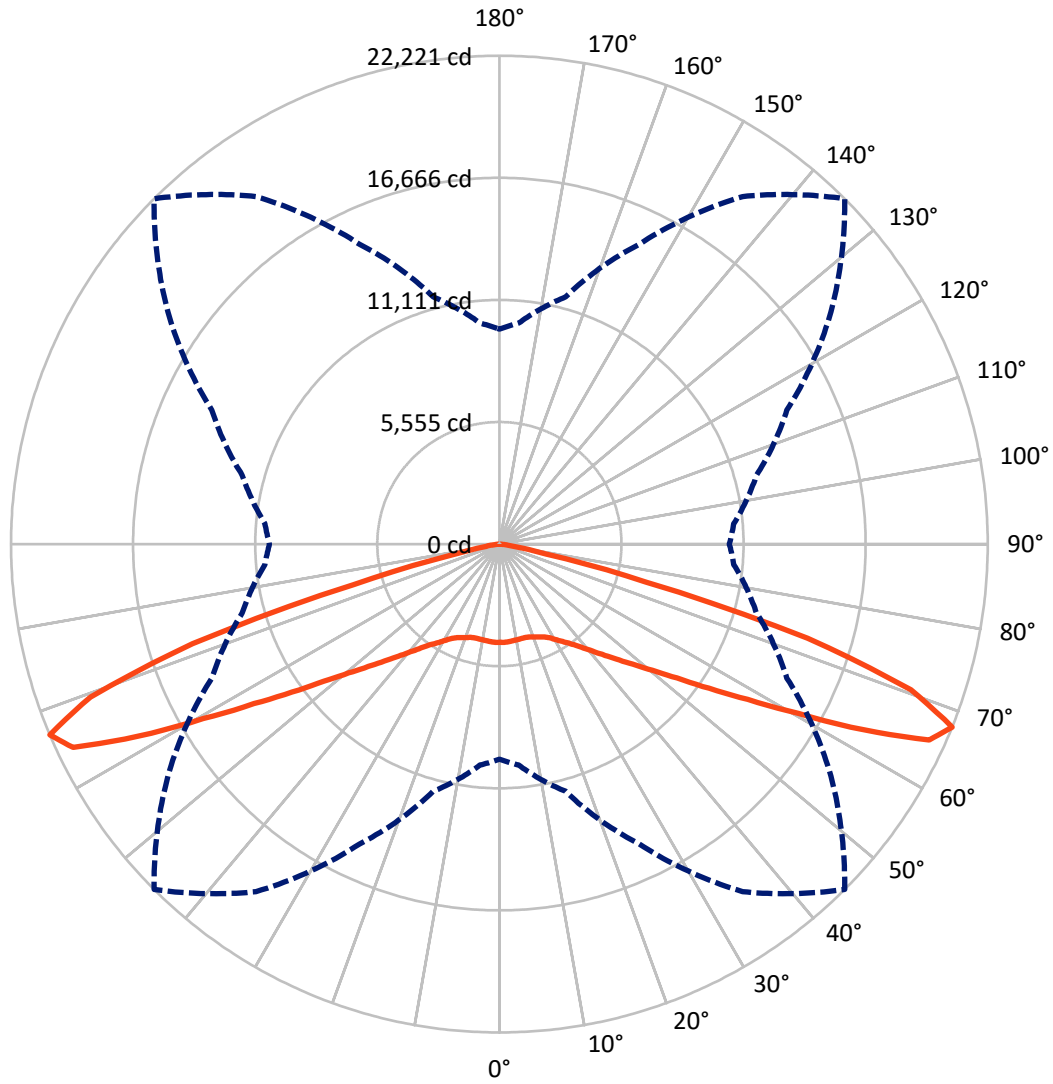
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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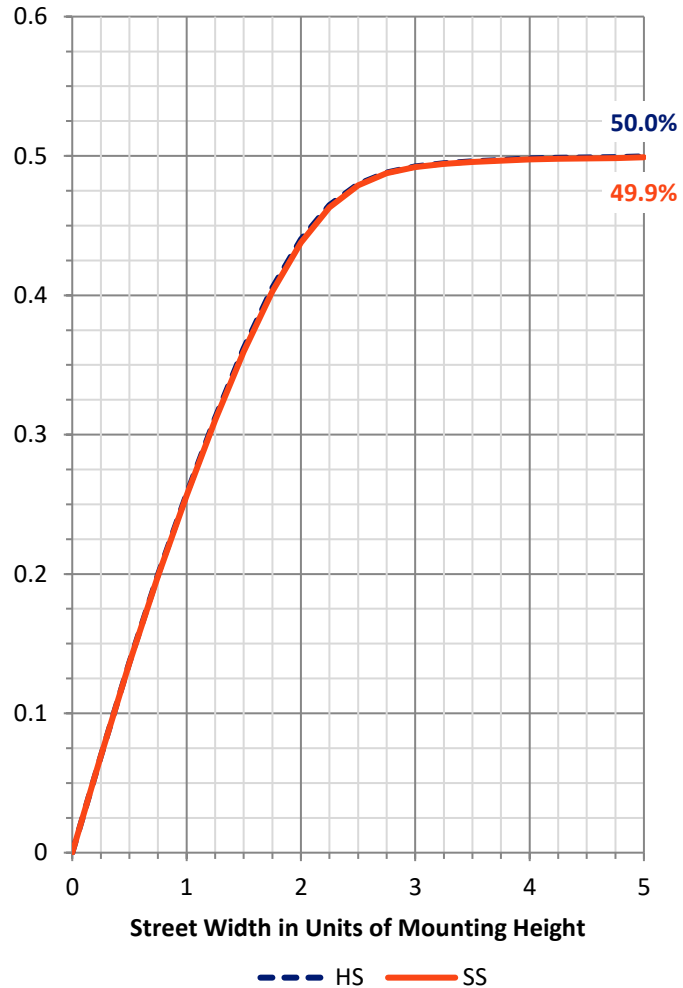
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21315.7	0.0	21315.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21315.7	0.0	21315.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	42631.5	0.0	42631.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.6	1.0
10°-20°	1241.2	2.9
20°-30°	2140.7	5.0
30°-40°	3480.8	8.2
40°-50°	5861.0	13.7
50°-60°	10384.6	24.4
60°-70°	14844.0	34.8
70°-80°	4074.1	9.6
80°-90°	182.5	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°	42631.5	100.0
0°-180°	42631.5	100.0

Coefficient of Utilization



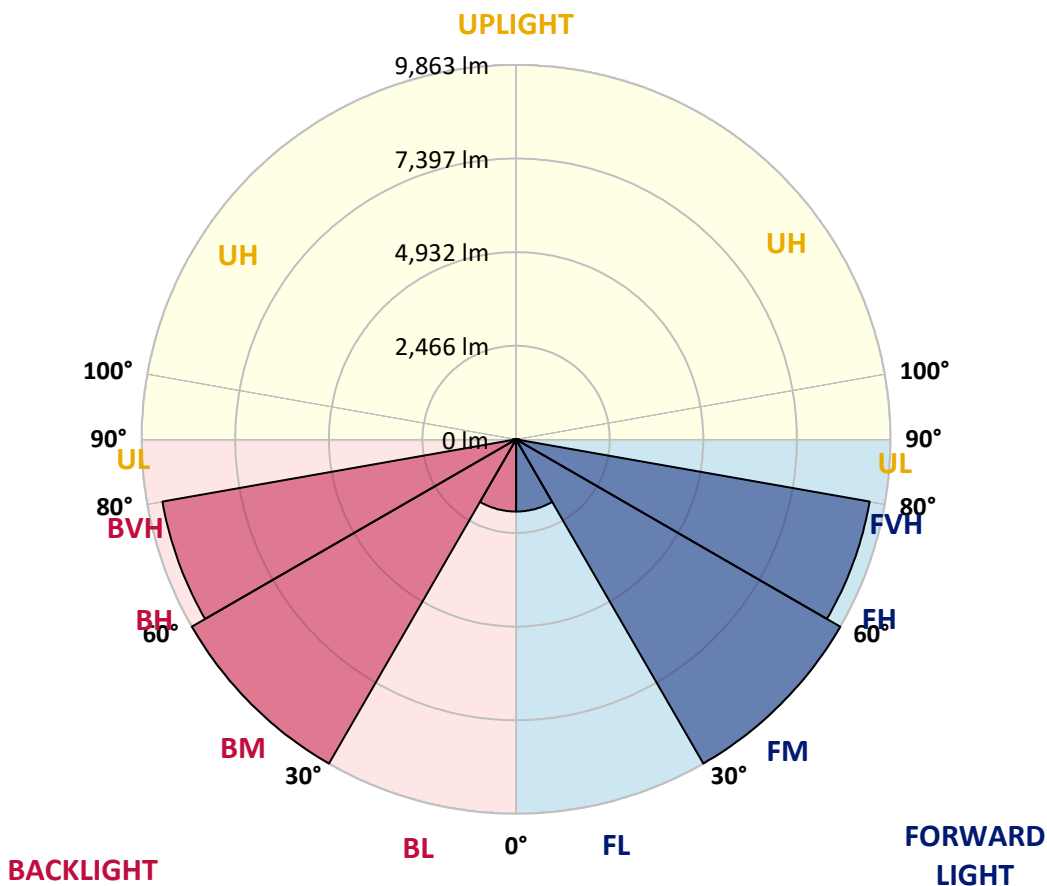
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1902.2	4.5			
FM (30°-60°)	9863.2	23.1			
FH (60°-80°)	9459.1	22.2			G4/12000
FVH (80°-90°)	91.3	0.2			G1/100
BL (0°-30°)	1902.2	4.5	B3/2500		
BM (30°-60°)	9863.2	23.1	B5		
BH (60°-80°)	9459.1	22.2	B5		G4/12000
BVH (80°-90°)	91.3	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-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4464.9	4464.9	4464.9	4464.9	4464.9	4464.9	4464.9	4464.9	4464.9	4464.9	4464.9
2.5°	4435.4	4432.4	4447.2	4456.0	4453.1	4473.8	4470.8	4464.9	4464.9	4456.0	4479.7
5°	4435.4	4432.4	4444.2	4447.2	4441.3	4459.0	4453.1	4447.2	4447.2	4435.4	4456.0
7.5°	4411.8	4414.7	4423.6	4429.5	4423.6	4438.3	4429.5	4417.7	4414.7	4402.9	4423.6
10°	4367.5	4370.5	4379.3	4394.1	4397.0	4423.6	4408.8	4388.2	4379.3	4367.5	4388.2
12.5°	4341.0	4343.9	4352.8	4370.5	4376.4	4411.8	4397.0	4364.6	4349.8	4338.0	4358.7
15°	4335.1	4338.0	4349.8	4367.5	4376.4	4411.8	4397.0	4358.7	4338.0	4323.2	4341.0
17.5°	4335.1	4341.0	4358.7	4385.2	4402.9	4438.3	4420.6	4376.4	4346.9	4320.3	4338.0
20°	4338.0	4346.9	4373.4	4411.8	4456.0	4506.2	4482.6	4423.6	4382.3	4349.8	4361.6
22.5°	4364.6	4379.3	4411.8	4461.9	4526.9	4585.9	4565.2	4485.6	4426.5	4382.3	4394.1
25°	4456.0	4461.9	4503.3	4568.2	4630.2	4680.3	4659.7	4585.9	4512.1	4459.0	4473.8
27.5°	4618.4	4633.1	4668.5	4736.4	4789.5	4816.1	4813.1	4763.0	4689.2	4642.0	4653.8
30°	4813.1	4827.9	4875.1	4951.8	5004.9	5034.4	5025.6	4987.2	4919.4	4854.4	4866.2
32.5°	5040.3	5046.3	5102.3	5187.9	5244.0	5288.2	5258.7	5217.4	5131.8	5055.1	5061.0
35°	5329.5	5338.4	5397.4	5477.1	5521.4	5556.8	5550.9	5509.6	5418.1	5335.5	5356.1
37.5°	5692.5	5698.4	5751.5	5851.9	5887.3	5913.9	5919.8	5899.1	5804.7	5698.4	5719.1
40°	6144.0	6147.0	6206.0	6294.5	6332.9	6350.6	6353.6	6356.5	6259.1	6179.4	6173.5
42.5°	6669.3	6684.1	6766.7	6852.3	6870.0	6861.1	6890.6	6920.2	6825.7	6716.5	6725.4
45°	7297.9	7306.7	7418.9	7513.3	7480.8	7451.3	7507.4	7566.4	7480.8	7339.2	7297.9
47.5°	8041.5	8059.2	8180.2	8274.7	8221.6	8168.4	8259.9	8321.9	8183.2	8032.7	7994.3
50°	8882.6	8894.4	9065.5	9183.6	9121.6	9024.2	9139.3	9204.2	9018.3	8832.4	8749.8
52.5°	9877.1	9853.5	10080.7	10287.3	10248.9	10122.0	10216.4	10228.2	9950.9	9688.2	9605.6
55°	11089.9	11066.3	11293.6	11520.8	11615.2	11582.8	11538.5	11467.7	11057.5	10777.1	10700.4
57.5°	12503.5	12429.7	12748.4	13055.3	13261.9	13320.9	13132.1	12966.8	12642.2	12296.9	12208.4
60°	13816.7	13813.7	14318.4	14849.6	15416.1	15652.2	15174.2	14725.6	13996.7	13368.1	13241.2
62.5°	14185.6	14247.5	15073.8	16390.0	17788.8	18623.9	17363.8	15879.5	14471.8	13524.5	13356.3
65°	13276.7	13430.1	14604.6	16682.1	19444.3	21486.4	18641.6	15906.0	13943.6	12763.2	12586.1
67.5°	9785.6	10092.5	11647.7	15053.2	19302.6	22221.2	18414.4	14433.5	12111.0	10706.3	10461.4
70°	4827.9	5120.0	6353.6	9903.6	15882.4	19863.3	15932.6	10877.5	8180.2	6828.7	6604.4
72.5°	1776.5	1894.6	2378.5	4237.7	8764.5	14672.5	10895.2	6076.2	3963.2	3154.6	3004.1
75°	870.6	891.2	965.0	1422.4	3234.3	6905.4	5120.0	2331.3	1457.8	1268.9	1227.6
77.5°	554.8	563.6	599.1	678.7	1038.8	2174.9	1552.2	920.7	714.1	684.6	684.6
80°	309.9	318.7	365.9	422.0	486.9	746.6	557.7	551.8	469.2	410.2	401.3
82.5°	147.6	162.3	233.1	230.2	256.7	374.8	327.6	298.1	301.0	227.2	215.4
85°	67.9	67.9	91.5	109.2	115.1	126.9	150.5	171.2	168.2	115.1	123.9
87.5°	32.5	32.5	32.5	29.5	26.6	23.6	32.5	53.1	76.7	53.1	50.2
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)