

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: P641263

Luminaire Tested: GWS-SA5F-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641263
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-SA5F-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44624.6 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

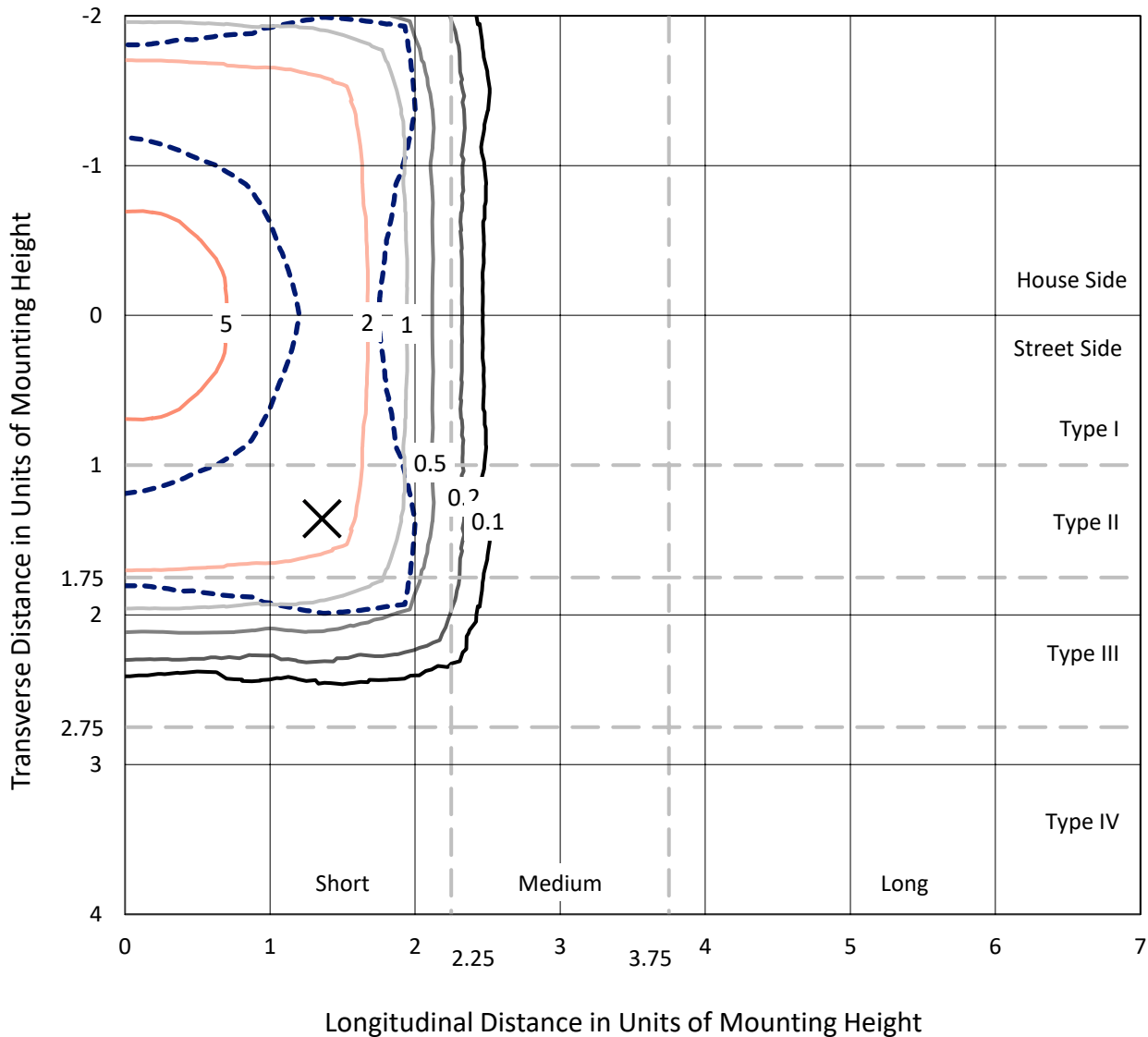
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

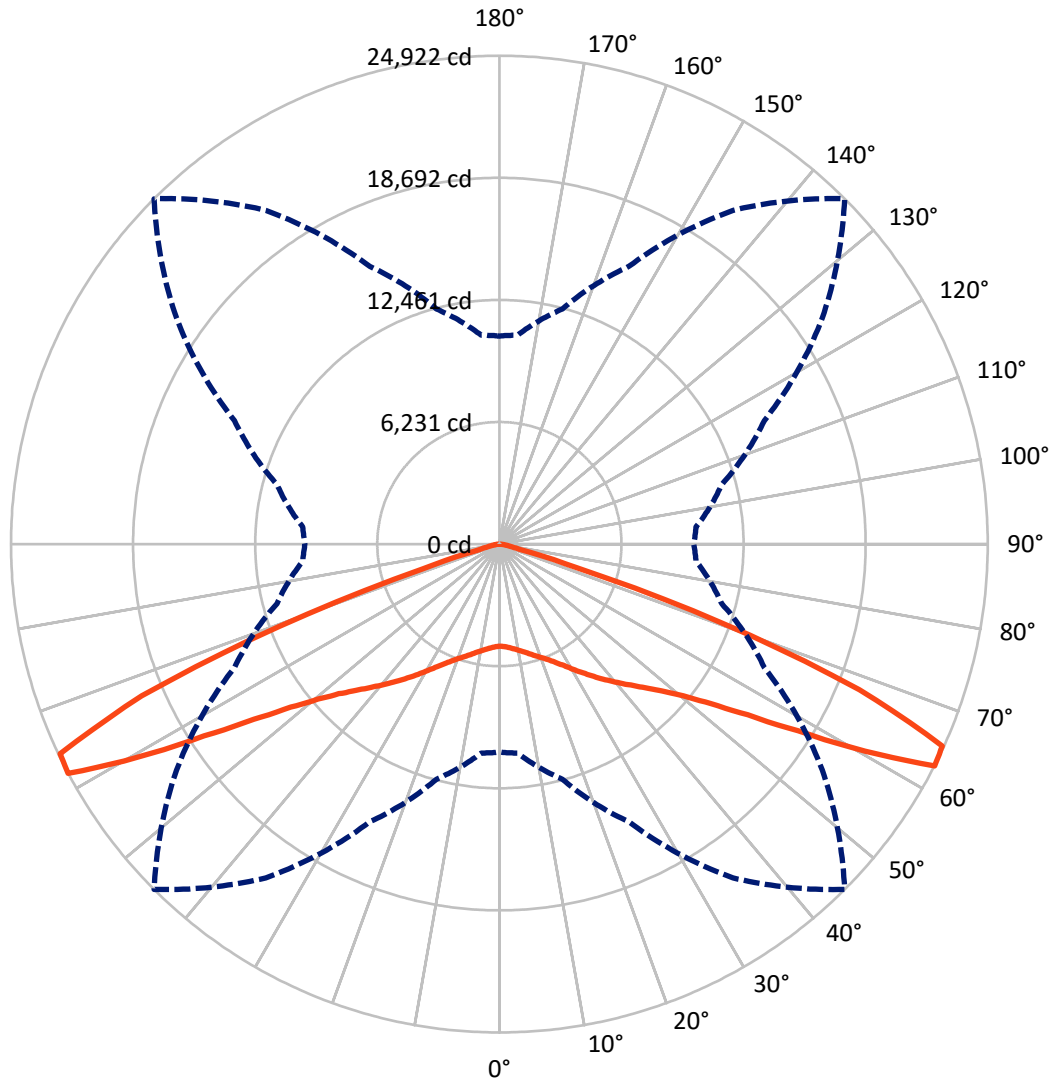
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.9 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	22312.3	0.0	22312.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22312.3	0.0	22312.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	44624.6	0.0	44624.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.8	1.1
10°-20°	1647.2	3.7
20°-30°	3116.3	7.0
30°-40°	5245.2	11.8
40°-50°	8380.3	18.8
50°-60°	13508.6	30.3
60°-70°	11021.5	24.7
70°-80°	1070.3	2.4
80°-90°	124.5	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°	44624.6	100.0
0°-180°	44624.6	100.0

Coefficient of Utilization



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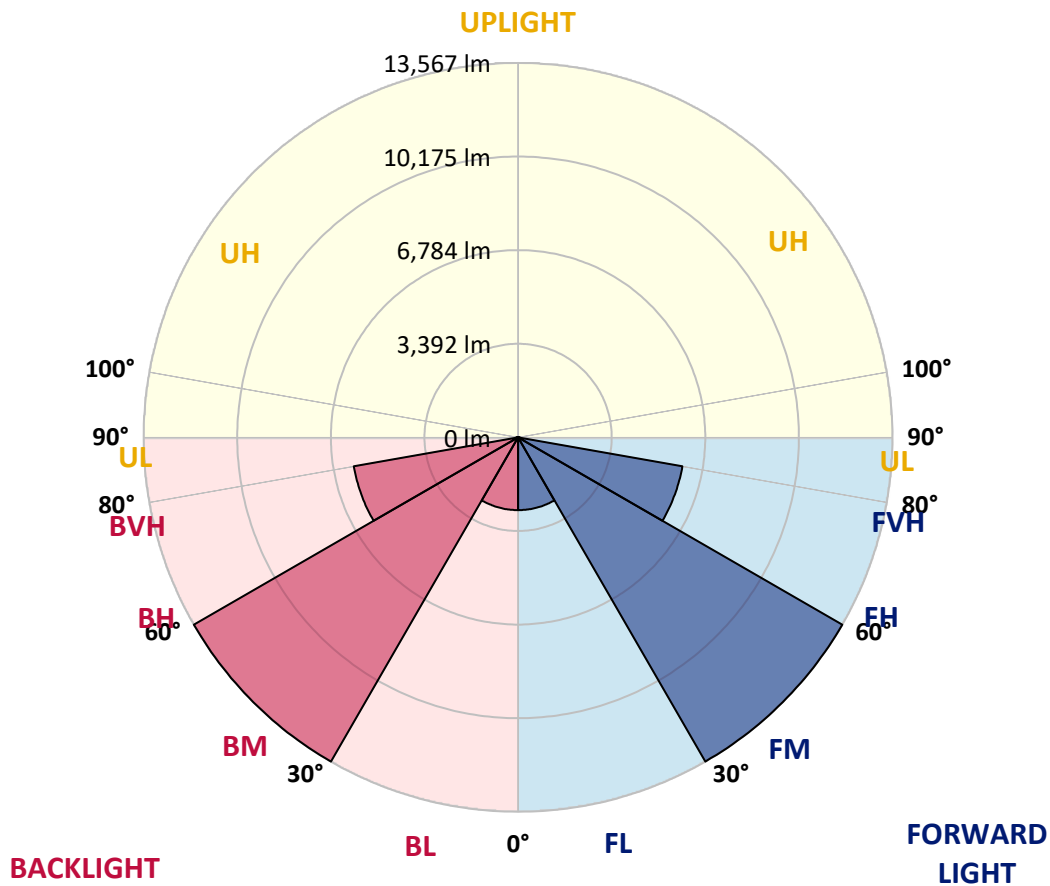
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2637.1	5.9			
FM (30°-60°)	13567.0	30.4			
FH (60°-80°)	6045.9	13.5			G3/7500
FVH (80°-90°)	62.3	0.1			G1/100
BL (0°-30°)	2637.1	5.9	B4/5000		
BM (30°-60°)	13567.0	30.4	B5		
BH (60°-80°)	6045.9	13.5	B5		G3/7500
BVH (80°-90°)	62.3	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°	5206.1	5206.1	5206.1	5206.1	5206.1	5206.1	5206.1	5206.1	5206.1	5206.1	5206.1
2.5°	5199.9	5199.9	5212.2	5221.4	5215.2	5239.7	5236.7	5230.5	5227.5	5218.3	5245.8
5°	5270.3	5270.3	5279.5	5288.7	5273.4	5304.0	5291.8	5285.6	5282.6	5270.3	5294.8
7.5°	5349.9	5359.1	5362.2	5377.5	5368.3	5401.9	5392.8	5380.5	5374.4	5359.1	5380.5
10°	5438.7	5444.8	5447.8	5475.4	5478.5	5518.2	5509.1	5493.8	5481.5	5466.2	5496.8
12.5°	5558.0	5561.1	5570.3	5603.9	5613.1	5643.7	5640.7	5619.2	5603.9	5582.5	5616.2
15°	5711.1	5714.1	5729.4	5763.1	5778.4	5815.1	5802.9	5769.2	5747.8	5723.3	5750.8
17.5°	5870.2	5882.5	5897.8	5931.4	5952.8	5995.7	5980.4	5943.7	5925.3	5900.8	5919.2
20°	6075.3	6078.3	6087.5	6124.2	6139.5	6188.5	6191.6	6154.8	6145.7	6121.2	6148.7
22.5°	6301.8	6304.8	6314.0	6353.8	6381.3	6411.9	6430.3	6408.9	6393.6	6363.0	6396.6
25°	6552.7	6583.3	6592.5	6641.5	6672.1	6690.4	6711.9	6702.7	6681.3	6644.5	6659.8
27.5°	6904.7	6910.8	6926.1	6981.2	6999.6	7017.9	7039.4	7042.4	7011.8	6969.0	6990.4
30°	7305.6	7302.6	7336.2	7379.1	7394.4	7409.7	7440.3	7458.7	7418.9	7373.0	7394.4
32.5°	7715.7	7752.5	7795.3	7835.1	7825.9	7832.0	7881.0	7914.7	7859.6	7777.0	7795.3
35°	8177.9	8202.4	8257.5	8315.6	8303.4	8294.2	8324.8	8358.5	8282.0	8174.8	8202.4
37.5°	8652.3	8689.0	8771.6	8842.0	8823.7	8780.8	8814.5	8851.2	8777.8	8655.3	8643.1
40°	9181.8	9239.9	9359.3	9417.4	9368.5	9285.8	9344.0	9432.7	9359.3	9218.5	9184.8
42.5°	9803.1	9873.5	9992.8	10081.6	9974.5	9839.8	9937.7	10066.3	10047.9	9861.2	9803.1
45°	10571.3	10617.2	10764.1	10806.9	10647.8	10461.1	10638.6	10834.5	10788.6	10586.6	10510.1
47.5°	11406.8	11477.2	11605.8	11685.3	11428.2	11195.6	11443.5	11706.8	11657.8	11468.0	11379.3
50°	12471.9	12563.7	12732.0	12799.4	12444.4	12178.1	12496.4	12830.0	12735.1	12481.1	12364.8
52.5°	13631.9	13705.3	13993.0	14127.7	13794.1	13506.4	13784.9	14112.4	13910.4	13573.7	13417.6
55°	14654.1	14727.6	15149.9	15596.8	15581.5	15382.5	15523.3	15529.4	14981.6	14424.6	14259.3
57.5°	14874.5	14947.9	15752.8	16922.0	17748.4	17977.9	17564.7	16695.5	15315.2	14338.9	14152.2
60°	13699.2	13781.8	15061.2	17197.4	19915.3	21448.6	19544.9	16671.0	14283.8	12961.6	12784.1
62.5°	10614.1	10702.9	12422.9	15630.4	20790.6	24922.4	20120.3	14917.3	11749.6	10075.5	9919.4
65°	5068.3	5068.3	7253.6	11210.9	19046.0	24839.7	18455.3	11036.5	7073.0	5432.5	5297.9
67.5°	1254.8	1261.0	1867.0	4364.4	12955.5	19823.4	13166.7	5297.9	2491.3	1762.9	1717.0
70°	783.5	780.5	866.1	1181.4	4532.7	12031.2	5383.6	1597.6	1013.1	893.7	887.6
72.5°	609.1	609.1	651.9	756.0	1187.5	4098.1	1570.1	887.6	734.5	661.1	661.1
75°	480.5	480.5	511.1	566.2	700.9	1055.9	835.5	658.0	569.3	520.3	514.2
77.5°	358.1	364.2	388.7	425.4	477.5	593.8	529.5	495.8	443.8	407.1	394.8
80°	232.6	241.8	272.4	293.8	312.2	391.8	345.8	361.1	336.7	293.8	287.7
82.5°	125.5	128.5	165.3	171.4	177.5	214.2	220.4	229.5	238.7	186.7	174.5
85°	45.9	45.9	55.1	64.3	70.4	76.5	104.1	128.5	134.7	107.1	104.1
87.5°	9.2	9.2	9.2	6.1	6.1	6.1	18.4	33.7	55.1	42.8	42.8
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)