

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: P636313

Luminaire Tested: GWS-SA3F-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636313
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-SA3F-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26141.4 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

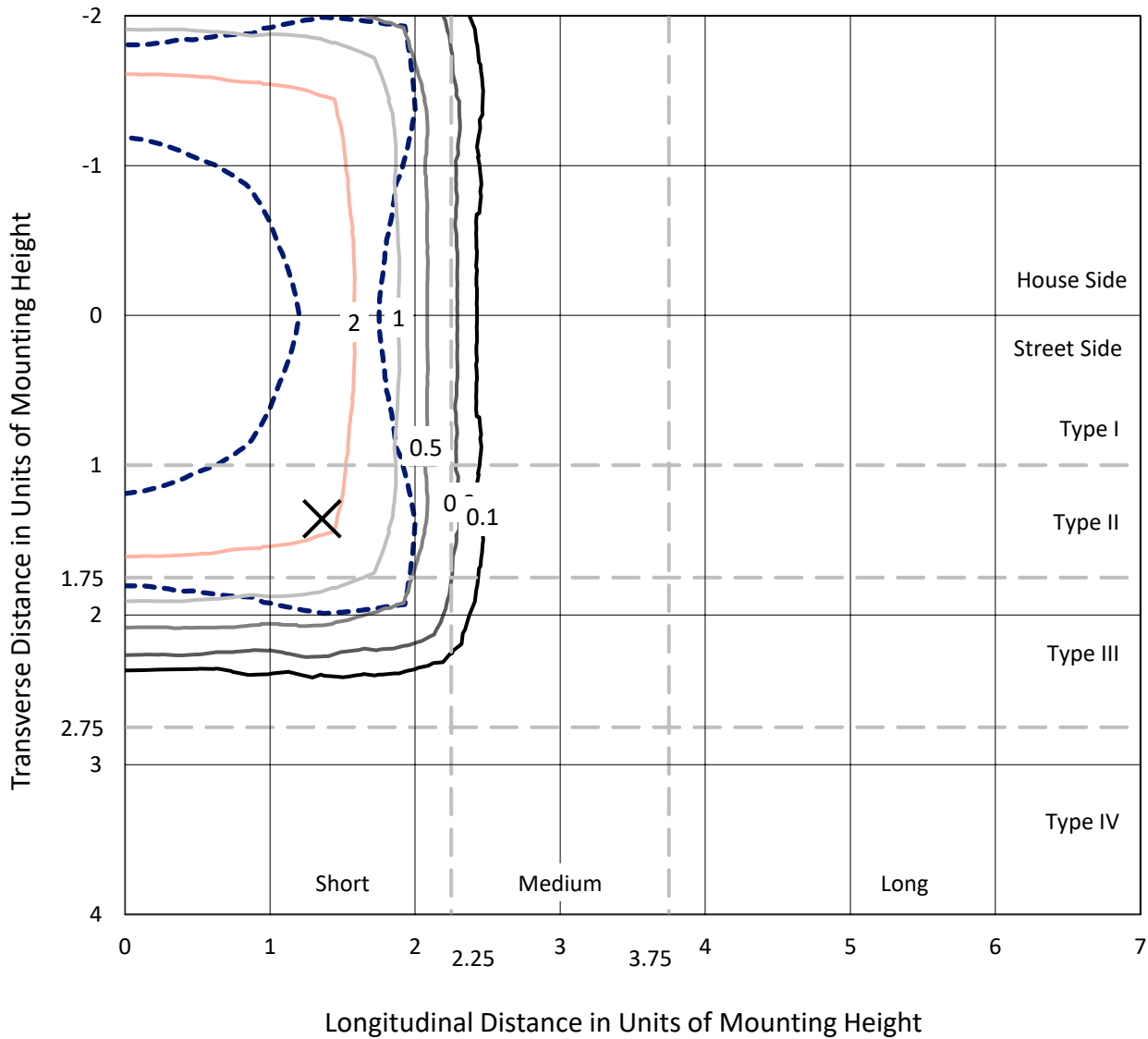
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

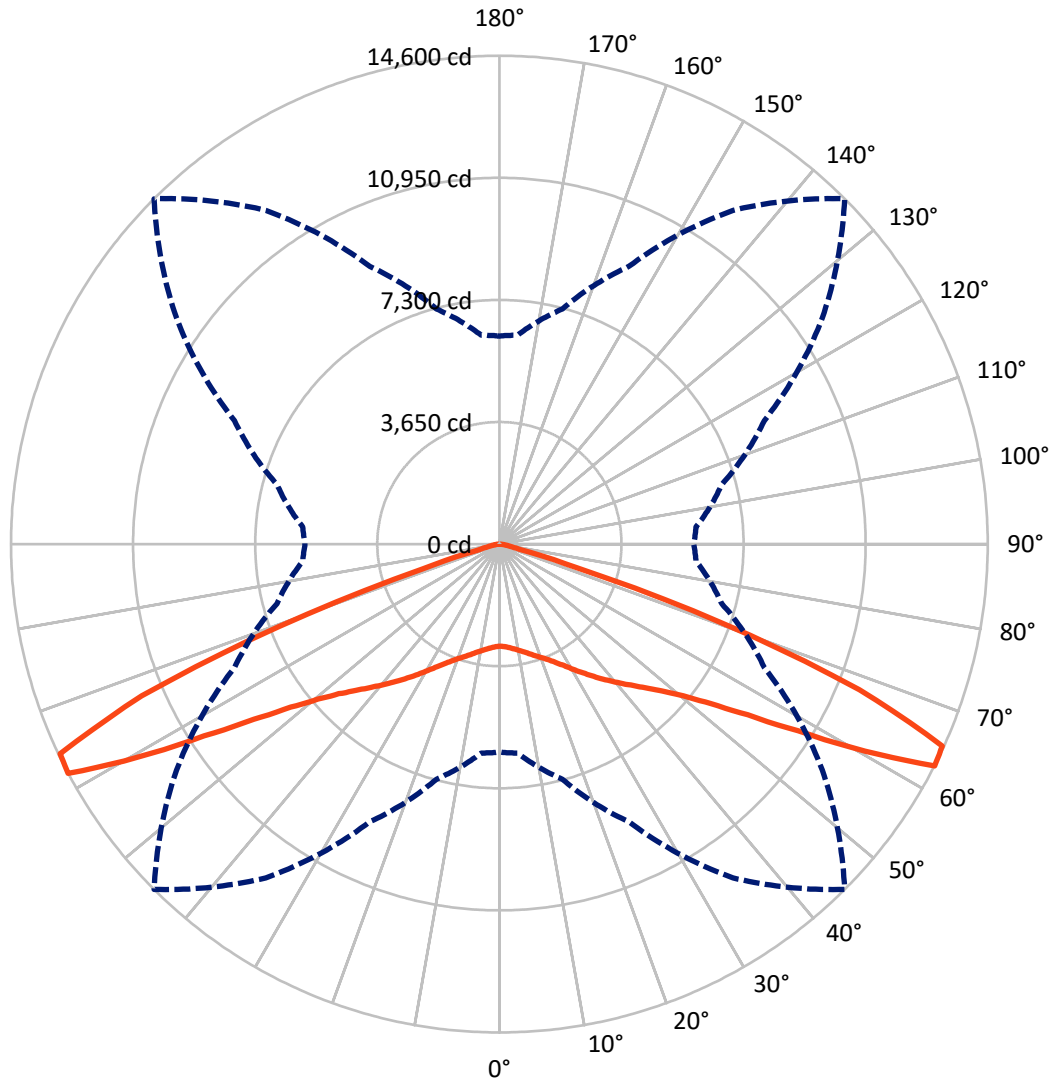
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	13070.7	0.0	13070.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13070.7	0.0	13070.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	26141.4	0.0	26141.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.2	1.1
10°-20°	964.9	3.7
20°-30°	1825.6	7.0
30°-40°	3072.7	11.8
40°-50°	4909.2	18.8
50°-60°	7913.4	30.3
60°-70°	6456.4	24.7
70°-80°	627.0	2.4
80°-90°	73.0	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°	26141.4	100.0
0°-180°	26141.4	100.0

Coefficient of Utilization



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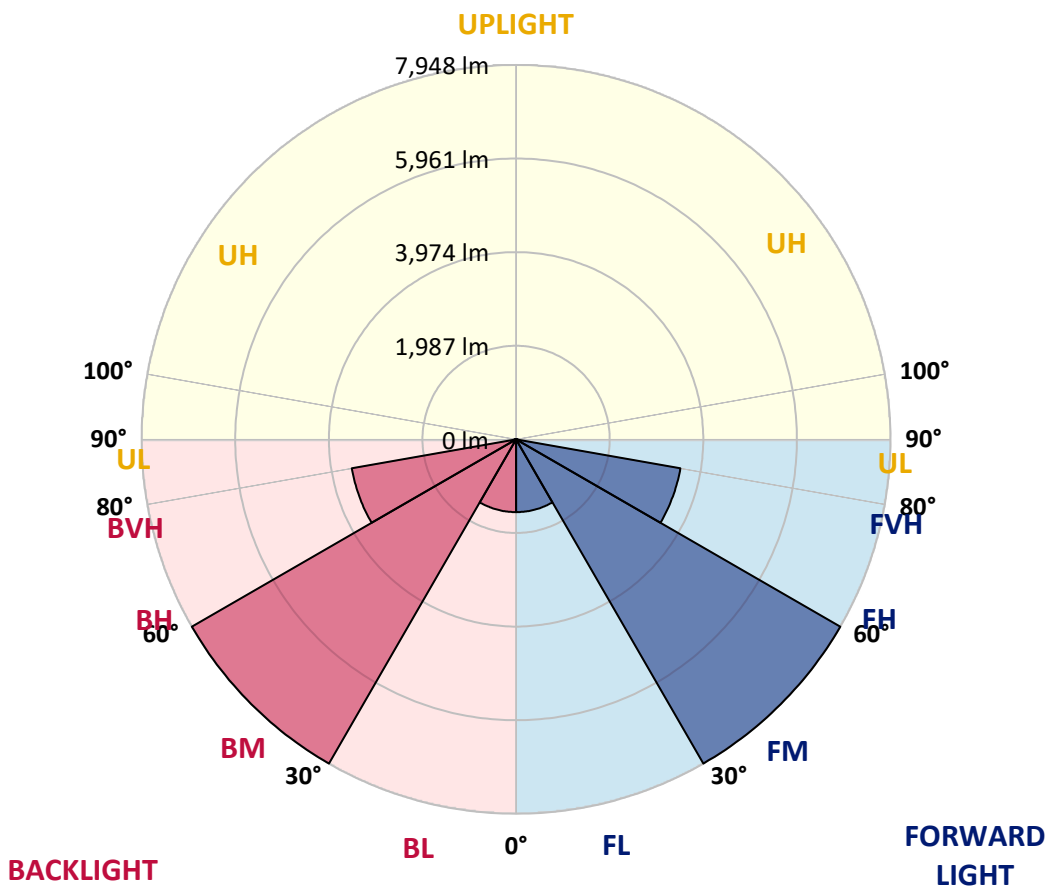
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1544.9	5.9			
FM (30°-60°)	7947.7	30.4			
FH (60°-80°)	3541.7	13.5			G2/5000
FVH (80°-90°)	36.5	0.1			G1/100
BL (0°-30°)	1544.9	5.9	B3/2500		
BM (30°-60°)	7947.7	30.4	B4/8500		
BH (60°-80°)	3541.7	13.5	B4/5000		G2/5000
BVH (80°-90°)	36.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7	3049.7
2.5°	3046.2	3046.2	3053.3	3058.7	3055.1	3069.5	3067.7	3064.1	3062.3	3056.9	3073.1
5°	3087.4	3087.4	3092.8	3098.2	3089.2	3107.1	3099.9	3096.4	3094.6	3087.4	3101.7
7.5°	3134.0	3139.4	3141.2	3150.2	3144.8	3164.5	3159.1	3151.9	3148.4	3139.4	3151.9
10°	3186.0	3189.6	3191.4	3207.5	3209.3	3232.6	3227.2	3218.3	3211.1	3202.1	3220.1
12.5°	3255.9	3257.7	3263.1	3282.8	3288.2	3306.1	3304.3	3291.8	3282.8	3270.3	3290.0
15°	3345.6	3347.4	3356.3	3376.1	3385.0	3406.5	3399.4	3379.6	3367.1	3352.7	3368.9
17.5°	3438.8	3446.0	3454.9	3474.7	3487.2	3512.3	3503.4	3481.8	3471.1	3456.7	3467.5
20°	3558.9	3560.7	3566.1	3587.6	3596.6	3625.3	3627.1	3605.6	3600.2	3585.8	3602.0
22.5°	3691.6	3693.4	3698.8	3722.1	3738.2	3756.2	3766.9	3754.4	3745.4	3727.5	3747.2
25°	3838.6	3856.6	3861.9	3890.6	3908.6	3919.3	3931.9	3926.5	3913.9	3892.4	3901.4
27.5°	4044.8	4048.4	4057.4	4089.6	4100.4	4111.2	4123.7	4125.5	4107.6	4082.5	4095.0
30°	4279.7	4277.9	4297.6	4322.7	4331.7	4340.6	4358.6	4369.3	4346.0	4319.1	4331.7
32.5°	4519.9	4541.5	4566.6	4589.9	4584.5	4588.1	4616.8	4636.5	4604.2	4555.8	4566.6
35°	4790.7	4805.0	4837.3	4871.3	4864.2	4858.8	4876.7	4896.4	4851.6	4788.9	4805.0
37.5°	5068.6	5090.1	5138.5	5179.7	5169.0	5143.9	5163.6	5185.1	5142.1	5070.4	5063.2
40°	5378.7	5412.8	5482.7	5516.8	5488.1	5439.7	5473.8	5525.8	5482.7	5400.3	5380.5
42.5°	5742.7	5783.9	5853.9	5905.9	5843.1	5764.2	5821.6	5896.9	5886.1	5776.8	5742.7
45°	6192.7	6219.6	6305.7	6330.8	6237.5	6128.2	6232.2	6346.9	6320.0	6201.7	6156.9
47.5°	6682.2	6723.4	6798.7	6845.3	6694.7	6558.5	6703.7	6857.9	6829.2	6718.0	6666.1
50°	7306.1	7359.9	7458.5	7498.0	7290.0	7134.0	7320.5	7515.9	7460.3	7311.5	7243.4
52.5°	7985.6	8028.7	8197.2	8276.1	8080.7	7912.1	8075.3	8267.1	8148.8	7951.6	7860.1
55°	8584.5	8627.5	8874.9	9136.7	9127.7	9011.2	9093.7	9097.2	8776.3	8450.0	8353.2
57.5°	8713.6	8756.6	9228.1	9913.0	10397.1	10531.6	10289.5	9780.3	8971.7	8399.8	8290.4
60°	8025.1	8073.5	8822.9	10074.4	11666.5	12564.7	11449.5	9766.0	8367.5	7593.0	7489.0
62.5°	6217.8	6269.8	7277.4	9156.4	12179.3	14599.7	11786.6	8738.7	6883.0	5902.3	5810.8
65°	2969.1	2969.1	4249.2	6567.4	11157.3	14551.3	10811.3	6465.2	4143.4	3182.4	3103.5
67.5°	735.1	738.7	1093.7	2556.7	7589.4	11612.7	7713.1	3103.5	1459.4	1032.7	1005.8
70°	459.0	457.2	507.4	692.1	2655.3	7047.9	3153.7	935.9	593.5	523.5	519.9
72.5°	356.8	356.8	381.9	442.8	695.7	2400.7	919.8	519.9	430.3	387.3	387.3
75°	281.5	281.5	299.4	331.7	410.6	618.6	489.5	385.5	333.5	304.8	301.2
77.5°	209.8	213.4	227.7	249.2	279.7	347.8	310.2	290.5	260.0	238.5	231.3
80°	136.3	141.6	159.6	172.1	182.9	229.5	202.6	211.6	197.2	172.1	168.5
82.5°	73.5	75.3	96.8	100.4	104.0	125.5	129.1	134.5	139.8	109.4	102.2
85°	26.9	26.9	32.3	37.7	41.2	44.8	61.0	75.3	78.9	62.8	61.0
87.5°	5.4	5.4	5.4	3.6	3.6	3.6	10.8	19.7	32.3	25.1	25.1
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)