

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: P638785

Luminaire Tested: GWS-SA4F-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638785
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-SA4F-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36043 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

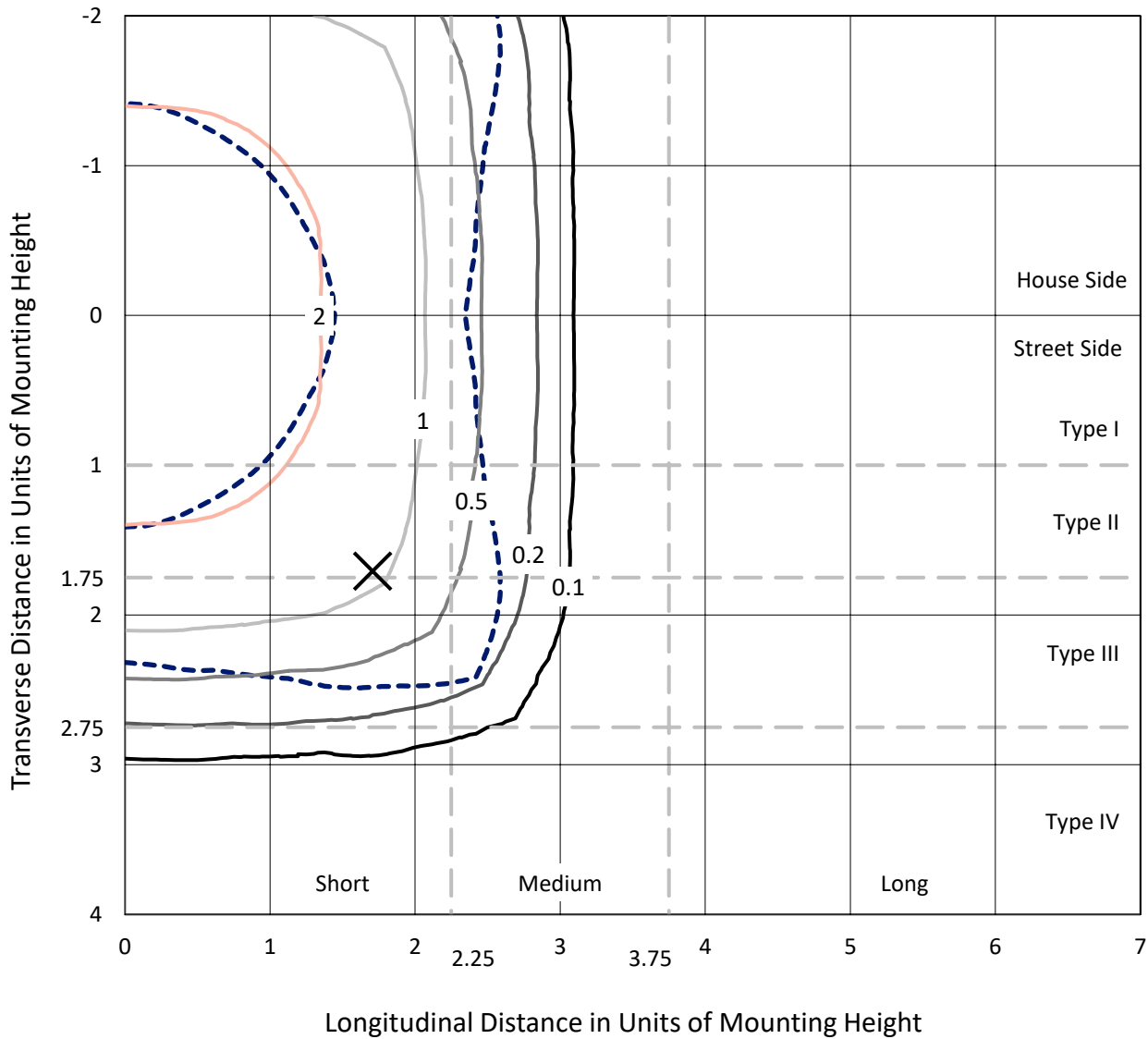
Input Watts (W): 225.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

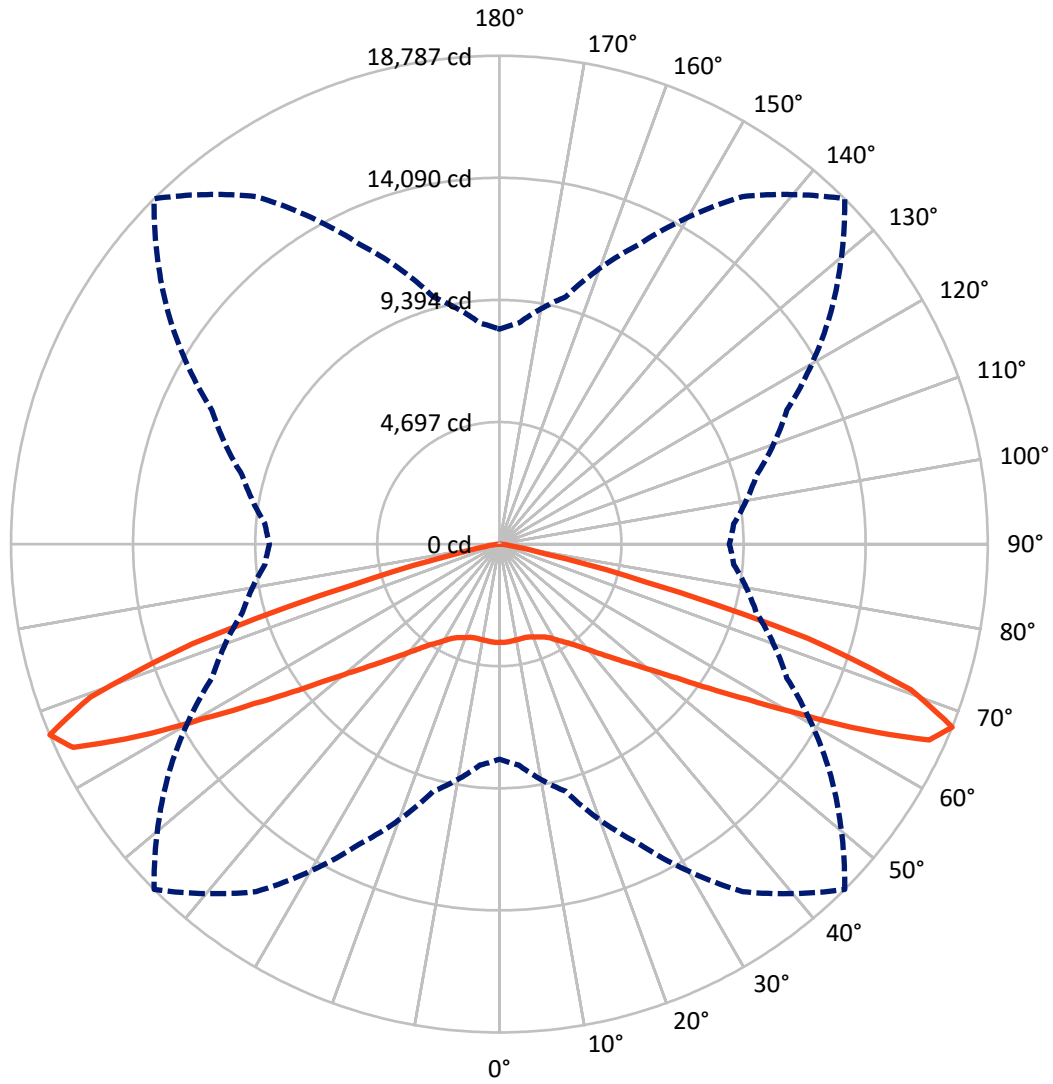
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.2 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	18021.5	0.0	18021.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18021.5	0.0	18021.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36043.0	0.0	36043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.3	1.0
10°-20°	1049.4	2.9
20°-30°	1809.8	5.0
30°-40°	2942.9	8.2
40°-50°	4955.2	13.7
50°-60°	8779.7	24.4
60°-70°	12550.0	34.8
70°-80°	3444.5	9.6
80°-90°	154.3	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°	36043.0	100.0
0°-180°	36043.0	100.0

Coefficient of Utilization



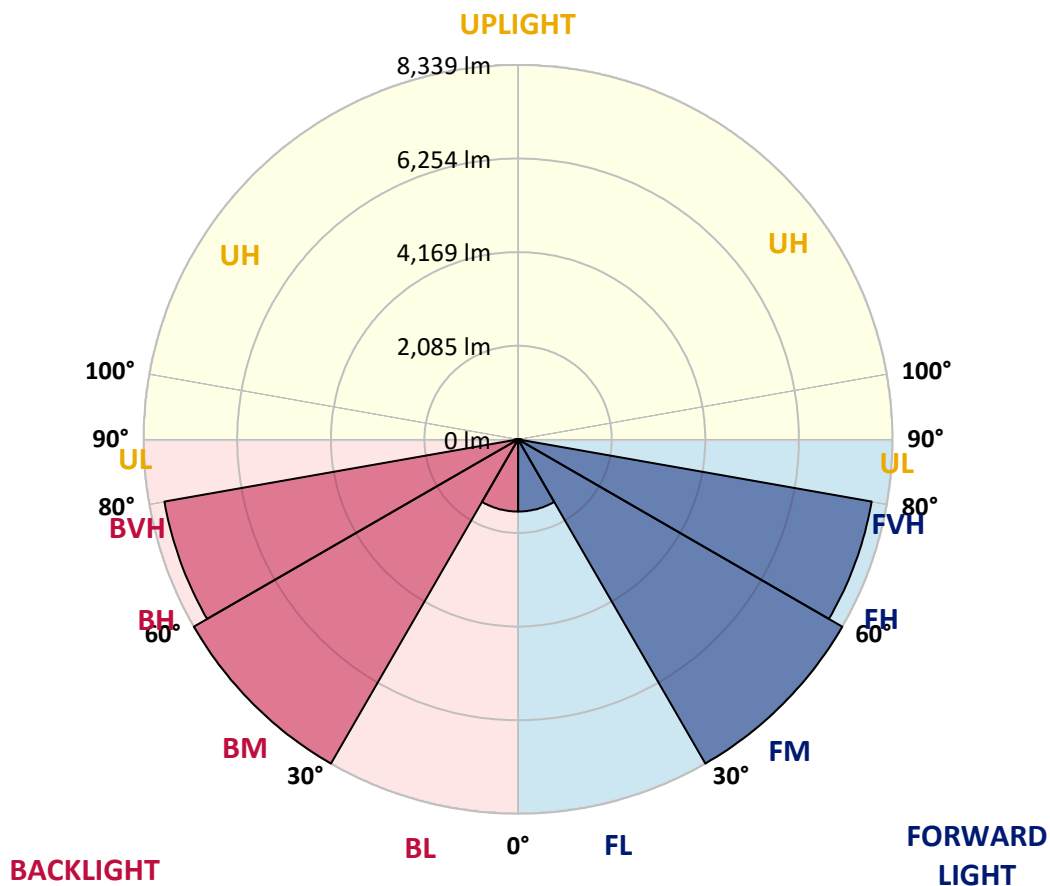
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1608.2	4.5			
FM (30°-60°)	8338.9	23.1			
FH (60°-80°)	7997.2	22.2			G4/12000
FVH (80°-90°)	77.2	0.2			G1/100
BL (0°-30°)	1608.2	4.5	B3/2500		
BM (30°-60°)	8338.9	23.1	B4/8500		
BH (60°-80°)	7997.2	22.2	B5		G4/12000
BVH (80°-90°)	77.2	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°	3774.9	3774.9	3774.9	3774.9	3774.9	3774.9	3774.9	3774.9	3774.9	3774.9	3774.9
2.5°	3749.9	3747.4	3759.9	3767.4	3764.9	3782.4	3779.9	3774.9	3774.9	3767.4	3787.3
5°	3749.9	3747.4	3757.4	3759.9	3754.9	3769.9	3764.9	3759.9	3759.9	3749.9	3767.4
7.5°	3730.0	3732.5	3739.9	3744.9	3739.9	3752.4	3744.9	3734.9	3732.5	3722.5	3739.9
10°	3692.5	3695.0	3702.5	3715.0	3717.5	3739.9	3727.5	3710.0	3702.5	3692.5	3710.0
12.5°	3670.1	3672.6	3680.1	3695.0	3700.0	3730.0	3717.5	3690.0	3677.6	3667.6	3685.1
15°	3665.1	3667.6	3677.6	3692.5	3700.0	3730.0	3717.5	3685.1	3667.6	3655.1	3670.1
17.5°	3665.1	3670.1	3685.1	3707.5	3722.5	3752.4	3737.4	3700.0	3675.1	3652.6	3667.6
20°	3667.6	3675.1	3697.5	3730.0	3767.4	3809.8	3789.8	3739.9	3705.0	3677.6	3687.5
22.5°	3690.0	3702.5	3730.0	3772.4	3827.3	3877.2	3859.7	3792.3	3742.4	3705.0	3715.0
25°	3767.4	3772.4	3807.3	3862.2	3914.6	3957.0	3939.5	3877.2	3814.8	3769.9	3782.4
27.5°	3904.6	3917.1	3947.0	4004.4	4049.3	4071.8	4069.3	4026.9	3964.5	3924.6	3934.5
30°	4069.3	4081.7	4121.7	4186.5	4231.4	4256.4	4248.9	4216.5	4159.1	4104.2	4114.2
32.5°	4261.4	4266.4	4313.8	4386.1	4433.5	4471.0	4446.0	4411.1	4338.7	4273.9	4278.9
35°	4505.9	4513.4	4563.3	4630.6	4668.1	4698.0	4693.0	4658.1	4580.7	4510.9	4528.3
37.5°	4812.8	4817.8	4862.7	4947.5	4977.4	4999.9	5004.9	4987.4	4907.6	4817.8	4835.2
40°	5194.5	5197.0	5246.9	5321.7	5354.2	5369.1	5371.6	5374.1	5291.8	5224.4	5219.4
42.5°	5638.6	5651.1	5720.9	5793.3	5808.3	5800.8	5825.7	5850.7	5770.8	5678.5	5686.0
45°	6170.0	6177.5	6272.3	6352.2	6324.7	6299.8	6347.2	6397.1	6324.7	6205.0	6170.0
47.5°	6798.8	6813.7	6916.0	6995.9	6950.9	6906.0	6983.4	7035.8	6918.5	6791.3	6758.8
50°	7509.8	7519.8	7664.5	7764.3	7711.9	7629.6	7726.9	7781.8	7624.6	7467.4	7397.5
52.5°	8350.6	8330.7	8522.8	8697.4	8665.0	8557.7	8637.5	8647.5	8413.0	8190.9	8121.1
55°	9376.0	9356.1	9548.2	9740.3	9820.1	9792.7	9755.3	9695.4	9348.6	9111.6	9046.7
57.5°	10571.1	10508.8	10778.2	11037.7	11212.3	11262.2	11102.6	10962.8	10688.4	10396.5	10321.6
60°	11681.4	11678.9	12105.5	12554.6	13033.7	13233.2	12829.1	12449.8	11833.6	11302.2	11194.9
62.5°	11993.3	12045.7	12744.2	13857.0	15039.6	15745.7	14680.3	13425.4	12235.3	11434.4	11292.2
65°	11224.8	11354.5	12347.5	14104.0	16439.3	18165.8	15760.6	13447.8	11788.7	10790.7	10641.0
67.5°	8273.3	8532.8	9847.6	12726.8	16319.5	18787.0	15568.5	12202.8	10239.3	9051.7	8844.6
70°	4081.7	4328.7	5371.6	8373.1	13427.9	16793.6	13470.3	9196.4	6916.0	5773.3	5583.7
72.5°	1502.0	1601.8	2010.9	3582.8	7410.0	12404.9	9211.4	5137.1	3350.7	2667.1	2539.9
75°	736.0	753.5	815.9	1202.6	2734.5	5838.2	4328.7	1971.0	1232.5	1072.8	1037.9
77.5°	469.1	476.5	506.5	573.8	878.2	1838.8	1312.3	778.4	603.8	578.8	578.8
80°	262.0	269.5	309.4	356.8	411.7	631.2	471.5	466.6	396.7	346.8	339.3
82.5°	124.7	137.2	197.1	194.6	217.1	316.9	276.9	252.0	254.5	192.1	182.1
85°	57.4	57.4	77.3	92.3	97.3	107.3	127.2	144.7	142.2	97.3	104.8
87.5°	27.4	27.4	27.4	24.9	22.5	20.0	27.4	44.9	64.9	44.9	42.4
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)