

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: P638783

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21265 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

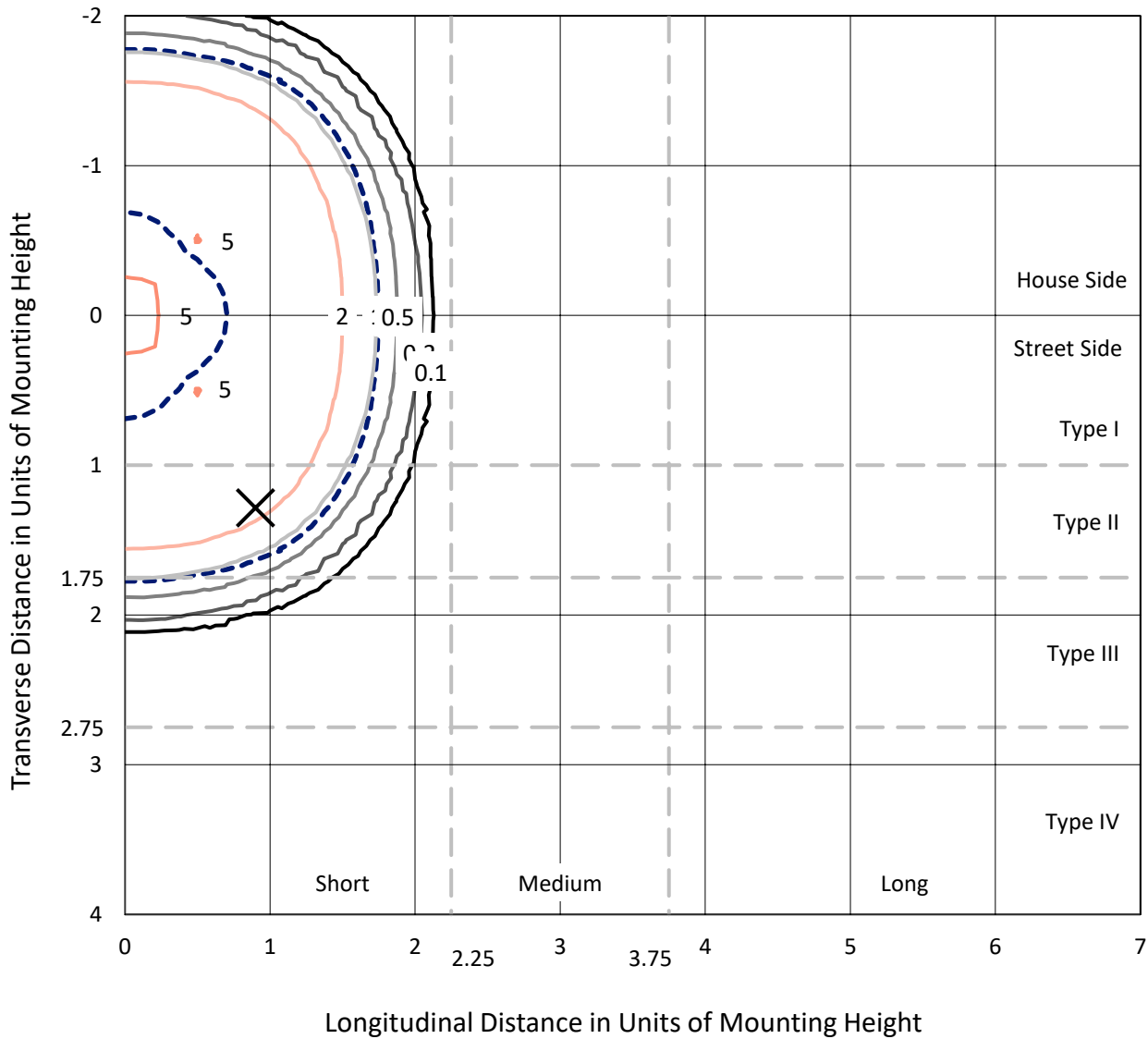
Input Watts (W): 225.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

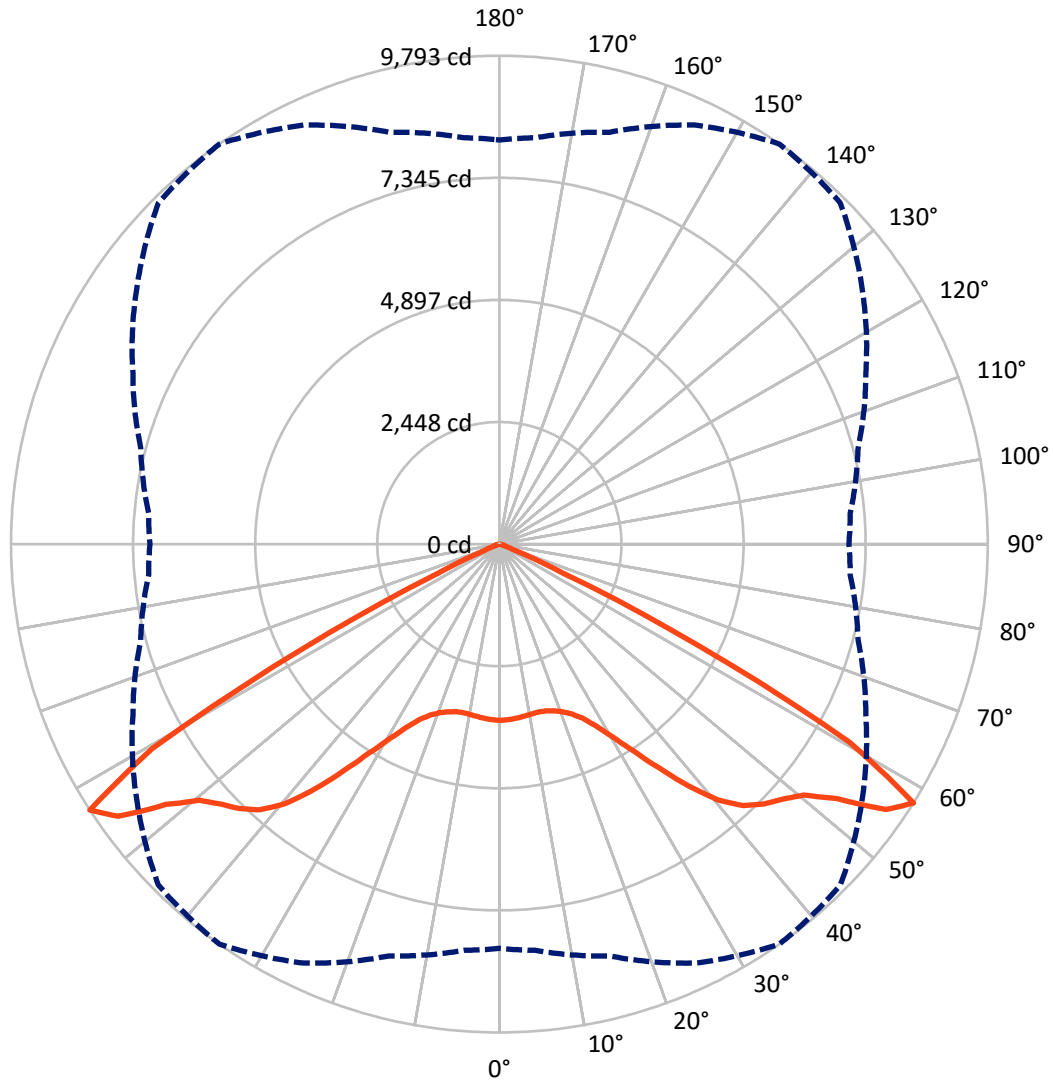
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10632.5	0.0	10632.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10632.5	0.0	10632.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21265.0	0.0	21265.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.1	1.6
10°-20°	979.8	4.6
20°-30°	1771.1	8.3
30°-40°	3304.2	15.5
40°-50°	5542.8	26.1
50°-60°	7319.8	34.4
60°-70°	1944.0	9.1
70°-80°	69.1	0.3
80°-90°	1.2	0.0
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°	21265.0	100.0
0°-180°	21265.0	100.0

Coefficient of Utilization



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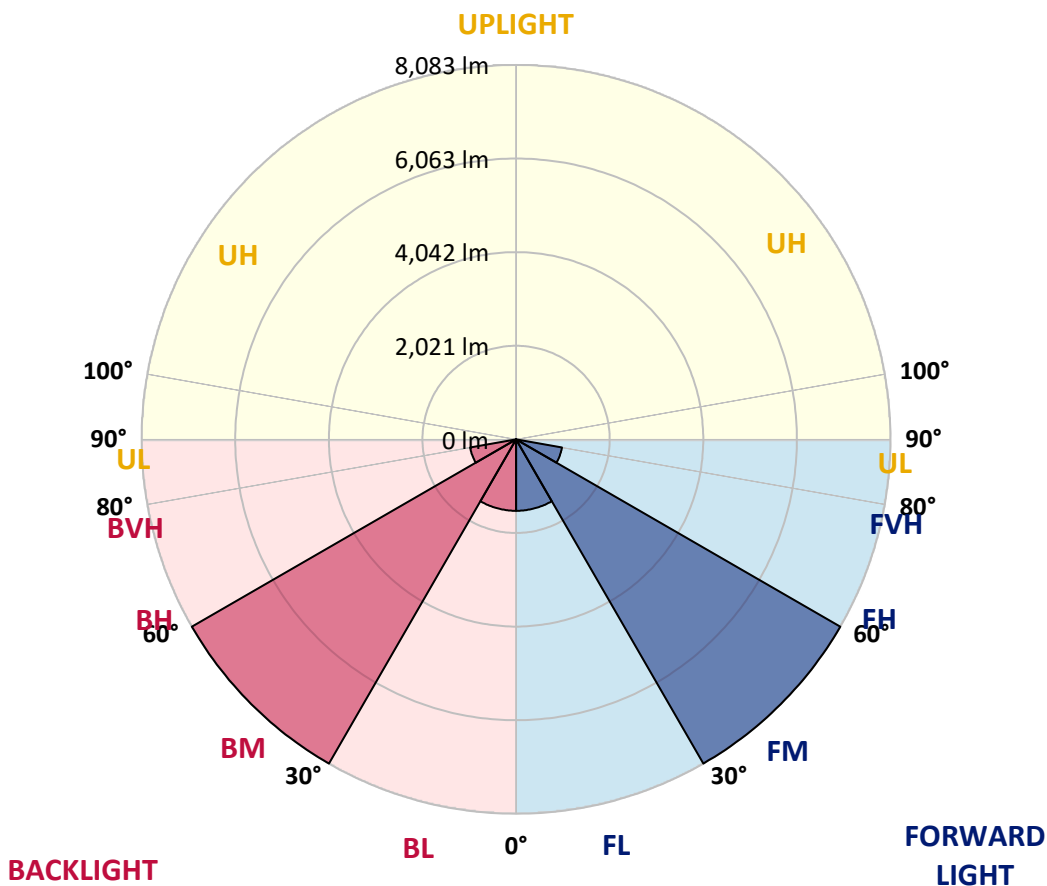
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1542.0	7.3			
FM (30°-60°)	8083.4	38.0			
FH (60°-80°)	1006.5	4.7			G1/1800
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1542.0	7.3	B3/2500		
BM (30°-60°)	8083.4	38.0	B4/8500		
BH (60°-80°)	1006.5	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5	3535.5
2.5°	3510.5	3508.1	3518.0	3525.5	3525.5	3543.0	3538.0	3533.0	3528.0	3520.5	3538.0
5°	3505.6	3503.1	3510.5	3515.5	3510.5	3525.5	3515.5	3505.6	3500.6	3490.6	3510.5
7.5°	3483.1	3485.6	3490.6	3495.6	3488.1	3500.6	3488.1	3473.1	3460.6	3450.7	3468.1
10°	3448.2	3450.7	3455.7	3465.6	3468.1	3485.6	3468.1	3440.7	3423.2	3408.2	3425.7
12.5°	3430.7	3433.2	3440.7	3453.2	3455.7	3478.1	3455.7	3415.7	3390.8	3373.3	3390.8
15°	3435.7	3440.7	3450.7	3465.6	3470.6	3493.1	3463.1	3410.7	3375.8	3353.4	3368.3
17.5°	3453.2	3458.2	3473.1	3498.1	3515.5	3538.0	3500.6	3433.2	3385.8	3353.4	3368.3
20°	3475.6	3483.1	3508.1	3548.0	3585.4	3625.3	3577.9	3485.6	3423.2	3383.3	3395.8
22.5°	3538.0	3545.5	3580.4	3632.8	3695.2	3745.1	3687.7	3570.4	3485.6	3433.2	3445.7
25°	3665.2	3672.7	3717.6	3785.0	3864.8	3929.7	3857.4	3710.2	3600.4	3540.5	3545.5
27.5°	3864.8	3872.3	3924.7	4019.5	4126.8	4219.1	4114.4	3942.2	3817.4	3747.6	3747.6
30°	4116.8	4126.8	4196.7	4323.9	4491.1	4613.4	4471.1	4261.6	4101.9	4007.1	4009.6
32.5°	4441.2	4431.2	4531.0	4705.7	4942.7	5104.9	4895.3	4640.8	4443.7	4311.5	4323.9
35°	4857.9	4855.4	4967.7	5204.7	5514.1	5708.7	5459.2	5129.8	4892.8	4758.1	4760.6
37.5°	5394.3	5391.8	5521.6	5778.6	6150.3	6312.5	6033.1	5698.7	5444.2	5314.5	5329.4
40°	6023.1	6008.1	6122.9	6369.9	6741.6	6846.4	6542.0	6272.6	6028.1	5945.7	5985.6
42.5°	6621.9	6589.4	6656.8	6881.4	7168.3	7183.3	6953.7	6769.1	6601.9	6537.1	6562.0
45°	7103.4	7078.5	7140.9	7270.6	7435.3	7360.4	7250.6	7193.3	7058.5	6988.7	7011.1
47.5°	7462.7	7462.7	7537.6	7617.4	7642.4	7505.1	7522.6	7522.6	7387.9	7278.1	7250.6
50°	7772.1	7794.6	7906.8	7989.2	7906.8	7732.2	7832.0	7812.0	7537.6	7318.0	7260.6
52.5°	8266.1	8288.6	8460.7	8573.0	8480.7	8308.5	8321.0	8071.5	7667.3	7407.8	7318.0
55°	8790.1	8845.0	9094.5	9393.9	9396.4	9219.2	8889.9	8448.3	7956.7	7674.8	7582.5
57.5°	8103.9	8178.8	8550.6	9271.6	9793.1	9670.8	8884.9	8108.9	7445.3	7061.0	7008.6
60°	5576.5	5706.2	6078.0	7063.5	8069.0	8116.4	7188.3	6317.5	5556.5	5082.4	5092.4
62.5°	2355.3	2487.6	2697.2	3508.1	4431.2	4488.6	4039.5	3415.7	2794.5	2452.6	2505.0
65°	553.9	591.3	653.7	970.6	1407.2	1472.1	1357.3	1057.9	781.0	661.2	673.7
67.5°	242.0	247.0	234.5	249.5	309.4	316.9	306.9	269.5	254.5	259.5	259.5
70°	169.7	172.2	162.2	154.7	147.2	137.2	142.2	157.2	169.7	179.6	177.1
72.5°	104.8	107.3	109.8	109.8	102.3	92.3	97.3	107.3	109.8	112.3	109.8
75°	52.4	54.9	59.9	62.4	59.9	57.4	57.4	59.9	59.9	57.4	57.4
77.5°	10.0	12.5	17.5	20.0	20.0	20.0	20.0	20.0	22.5	20.0	20.0
80°	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0
82.5°	2.5	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
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)