

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: P636256

Luminaire Tested: GWS-SA3F-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17205.4 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

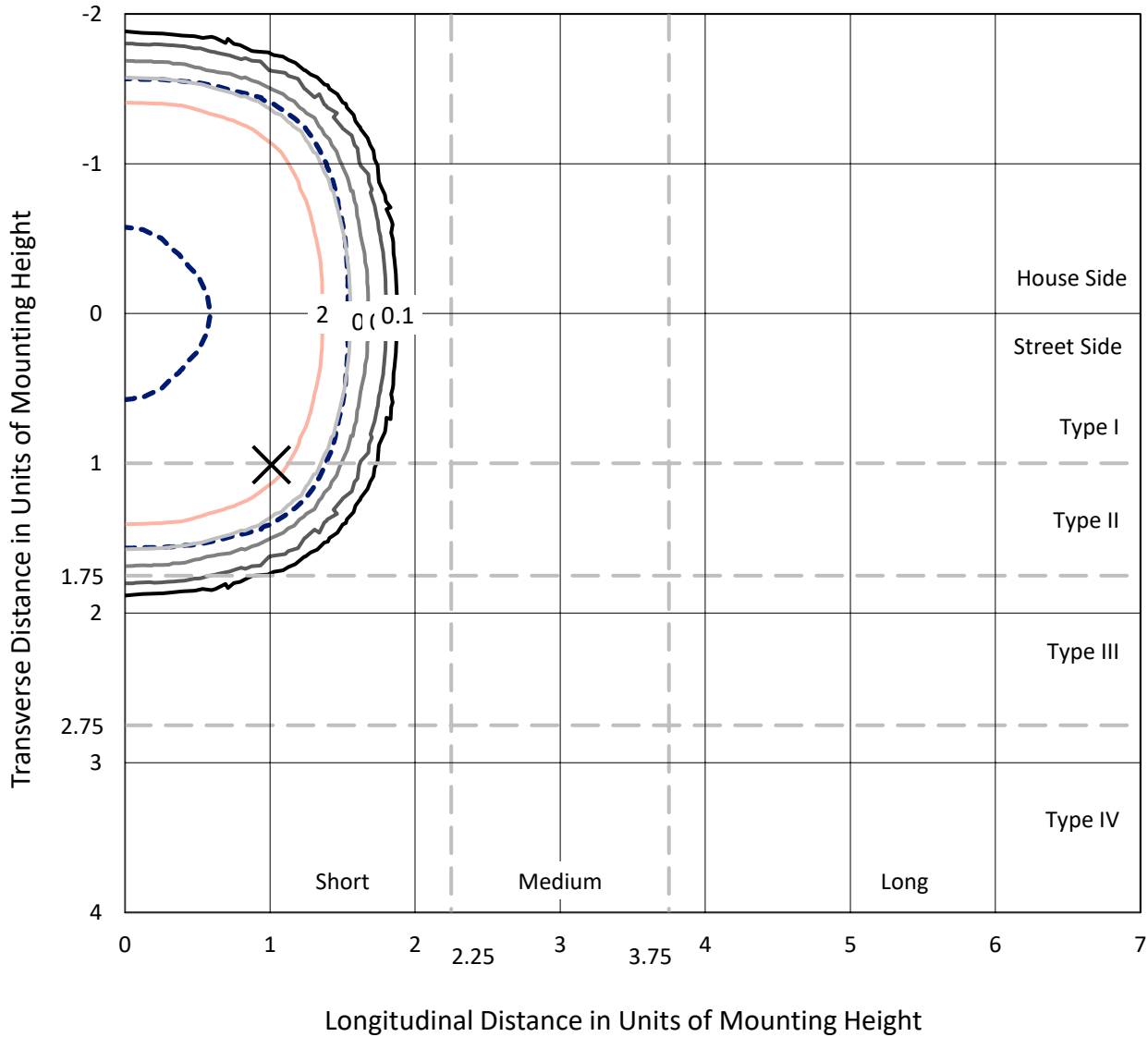
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

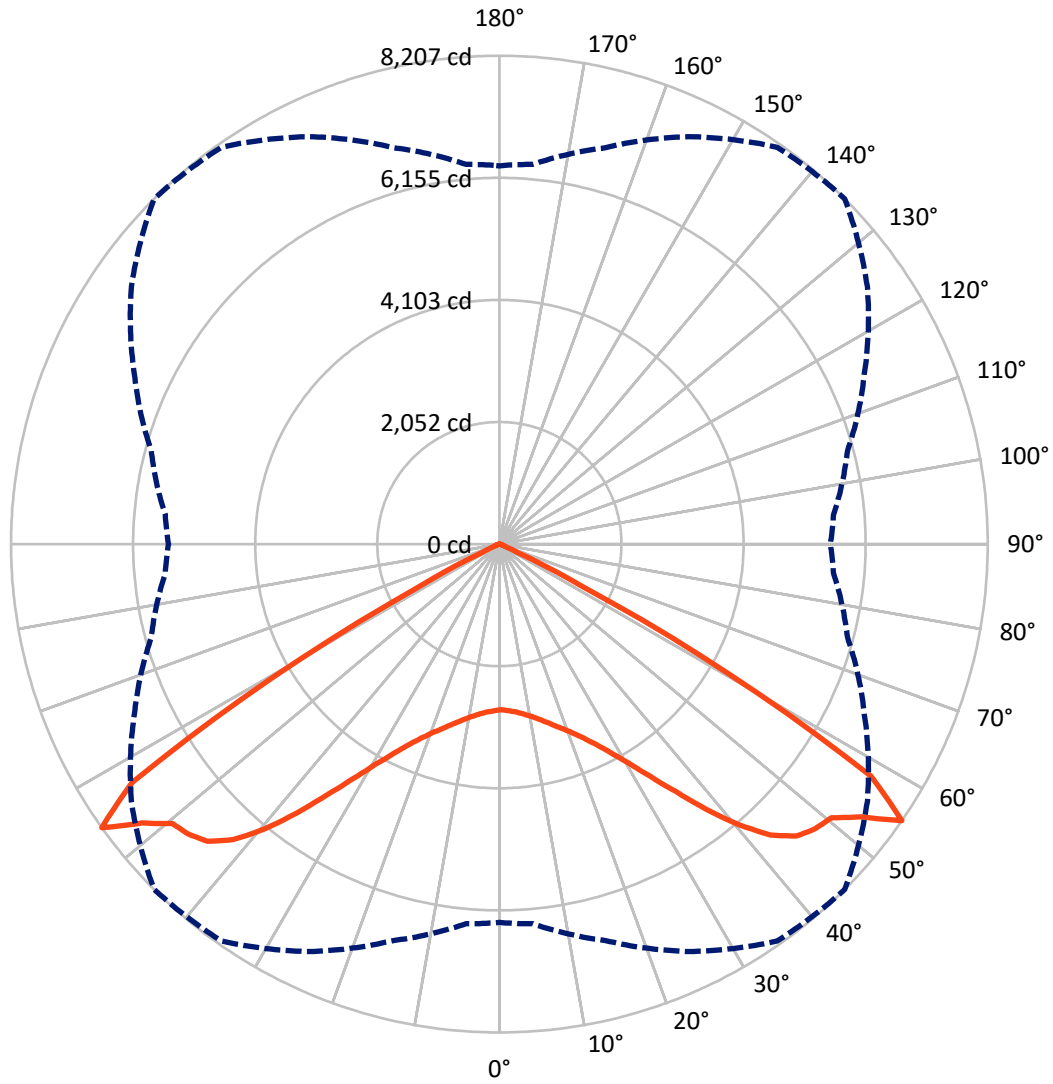
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8602.7	0.0	8602.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8602.7	0.0	8602.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	17205.4	0.0	17205.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	1.6
10°-20°	883.5	5.1
20°-30°	1711.0	9.9
30°-40°	3065.4	17.8
40°-50°	5139.3	29.9
50°-60°	5501.4	32.0
60°-70°	604.5	3.5
70°-80°	26.6	0.2
80°-90°	1.3	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°	17205.4	100.0
0°-180°	17205.4	100.0

Coefficient of Utilization



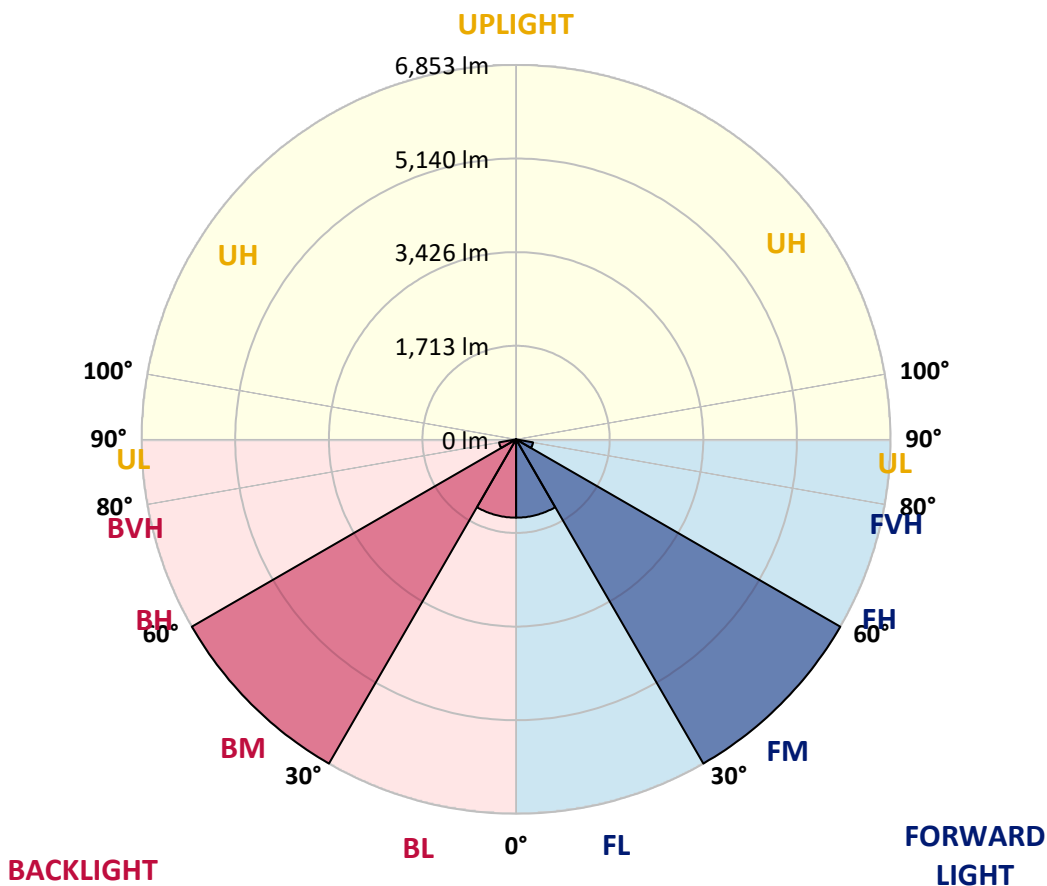
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1433.5	8.3			
FM (30°-60°)	6853.0	39.8			
FH (60°-80°)	315.6	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1433.5	8.3	B3/2500		
BM (30°-60°)	6853.0	39.8	B4/8500		
BH (60°-80°)	315.6	1.8	B1/500		G0/660
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-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2781.8	2781.8	2781.8	2781.8	2781.8	2781.8	2781.8	2781.8	2781.8	2781.8	2781.8
2.5°	2776.5	2776.5	2783.5	2788.8	2788.8	2802.8	2797.6	2792.3	2792.3	2785.3	2799.3
5°	2816.8	2815.1	2822.1	2825.6	2818.6	2832.6	2823.9	2818.6	2815.1	2808.1	2822.1
7.5°	2860.7	2862.4	2864.2	2871.2	2867.7	2881.7	2874.7	2864.2	2860.7	2850.1	2864.2
10°	2913.2	2913.2	2916.8	2925.5	2927.3	2944.8	2937.8	2925.5	2915.0	2904.5	2918.5
12.5°	2979.9	2981.6	2986.9	2999.1	3006.1	3025.4	3014.9	2990.4	2974.6	2962.3	2978.1
15°	3076.3	3074.5	3081.5	3099.0	3107.8	3121.8	3106.1	3072.8	3053.5	3039.5	3050.0
17.5°	3181.4	3181.4	3184.9	3202.5	3214.7	3235.8	3216.5	3176.2	3158.6	3139.4	3149.9
20°	3297.1	3302.4	3305.9	3318.2	3339.2	3360.2	3344.4	3304.1	3284.9	3260.3	3272.6
22.5°	3449.6	3444.4	3446.1	3467.1	3496.9	3518.0	3505.7	3458.4	3425.1	3405.8	3412.8
25°	3619.6	3617.9	3623.2	3654.7	3688.0	3710.8	3693.3	3631.9	3598.6	3565.3	3579.3
27.5°	3828.2	3830.0	3833.5	3872.1	3924.6	3957.9	3914.1	3852.8	3807.2	3763.4	3773.9
30°	4075.4	4071.9	4082.4	4135.0	4212.1	4264.7	4213.9	4128.0	4063.1	4021.1	4026.3
32.5°	4338.3	4341.8	4369.9	4454.0	4555.7	4648.6	4545.2	4431.2	4347.1	4268.2	4278.7
35°	4622.3	4631.0	4694.1	4818.6	4985.1	5109.6	4965.8	4778.3	4659.1	4557.4	4560.9
37.5°	4957.1	4978.1	5065.8	5251.6	5489.9	5656.5	5446.1	5197.2	5043.0	4916.8	4908.0
40°	5397.0	5421.6	5540.8	5761.6	6050.9	6203.4	5959.7	5703.8	5512.7	5376.0	5355.0
42.5°	5901.9	5933.4	6063.1	6289.2	6578.5	6681.9	6443.5	6227.9	6056.1	5894.9	5887.8
45°	6471.5	6489.1	6594.2	6767.8	6976.4	7000.9	6822.1	6702.9	6529.4	6378.6	6366.4
47.5°	7006.2	7023.7	7095.6	7185.0	7234.0	7146.4	7114.8	7062.3	6837.9	6652.1	6613.5
50°	7412.8	7426.8	7516.2	7551.3	7414.6	7228.8	7290.1	7177.9	6934.3	6725.7	6666.1
52.5°	7384.8	7419.8	7649.5	7849.3	7763.4	7612.7	7447.9	7206.0	6827.4	6541.7	6468.0
55°	6357.6	6404.9	6897.5	7554.8	8142.0	8206.9	7547.8	6767.8	6056.1	5637.2	5561.8
57.5°	4085.9	4098.2	4699.4	5621.4	6944.8	7362.0	6259.4	5102.6	4217.4	3756.4	3724.8
60°	1502.2	1477.7	1931.6	2695.9	4000.0	4441.7	3684.5	2580.2	1840.5	1514.5	1488.2
62.5°	361.1	364.6	452.2	678.4	1255.0	1553.0	1227.0	685.4	436.5	366.3	362.8
65°	182.3	178.8	180.5	194.6	268.2	320.8	262.9	185.8	178.8	180.5	178.8
67.5°	117.4	115.7	119.2	120.9	119.2	112.2	110.4	113.9	113.9	115.7	112.2
70°	71.9	70.1	73.6	78.9	75.4	66.6	70.1	73.6	70.1	68.4	68.4
72.5°	38.6	38.6	42.1	45.6	42.1	38.6	38.6	40.3	38.6	38.6	38.6
75°	17.5	17.5	19.3	21.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5
77.5°	5.3	5.3	7.0	7.0	5.3	5.3	5.3	5.3	7.0	7.0	7.0
80°	1.8	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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)