

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: P633840

Luminaire Tested: GWS-SA2F-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-750-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14014.7 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

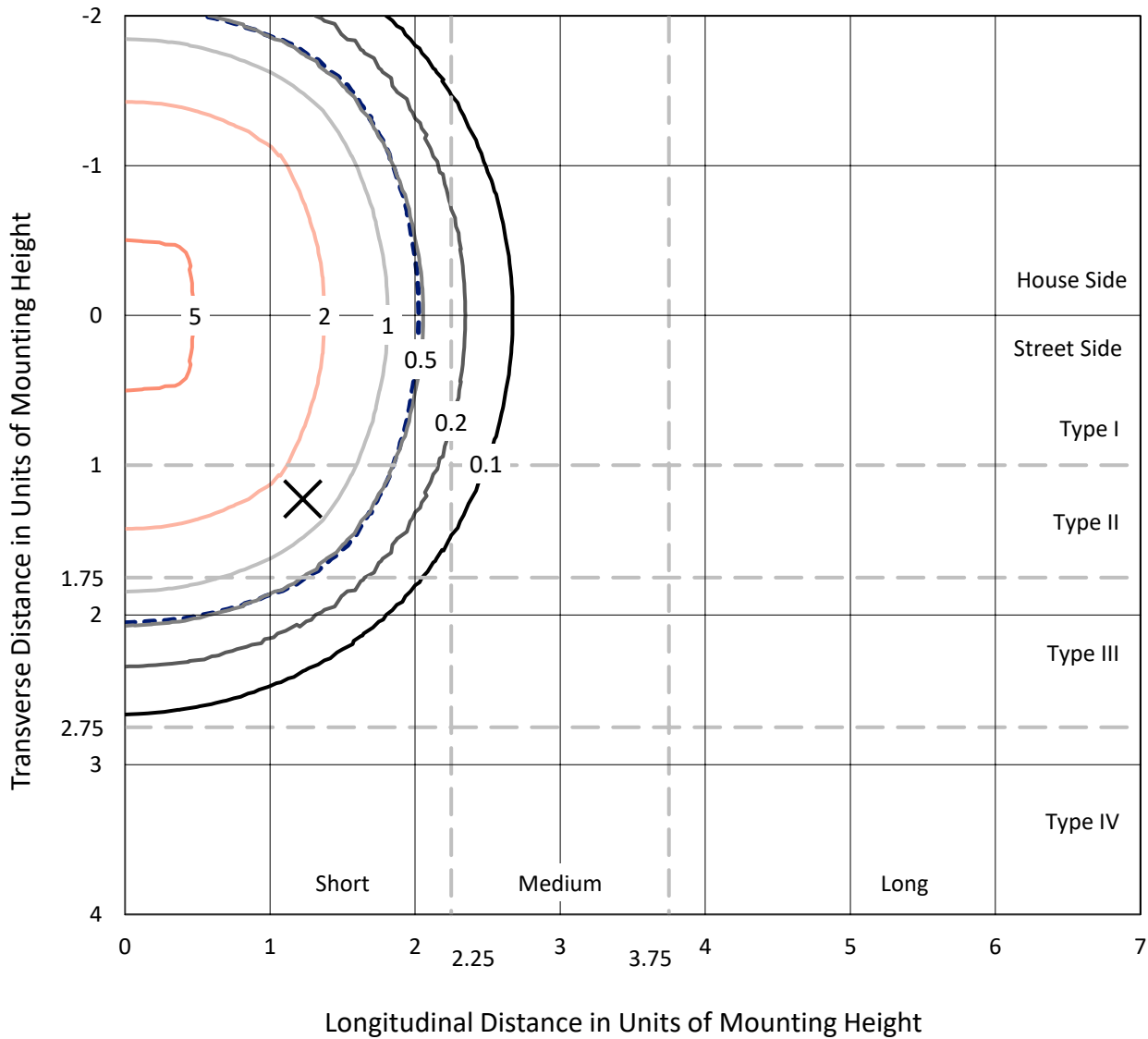
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

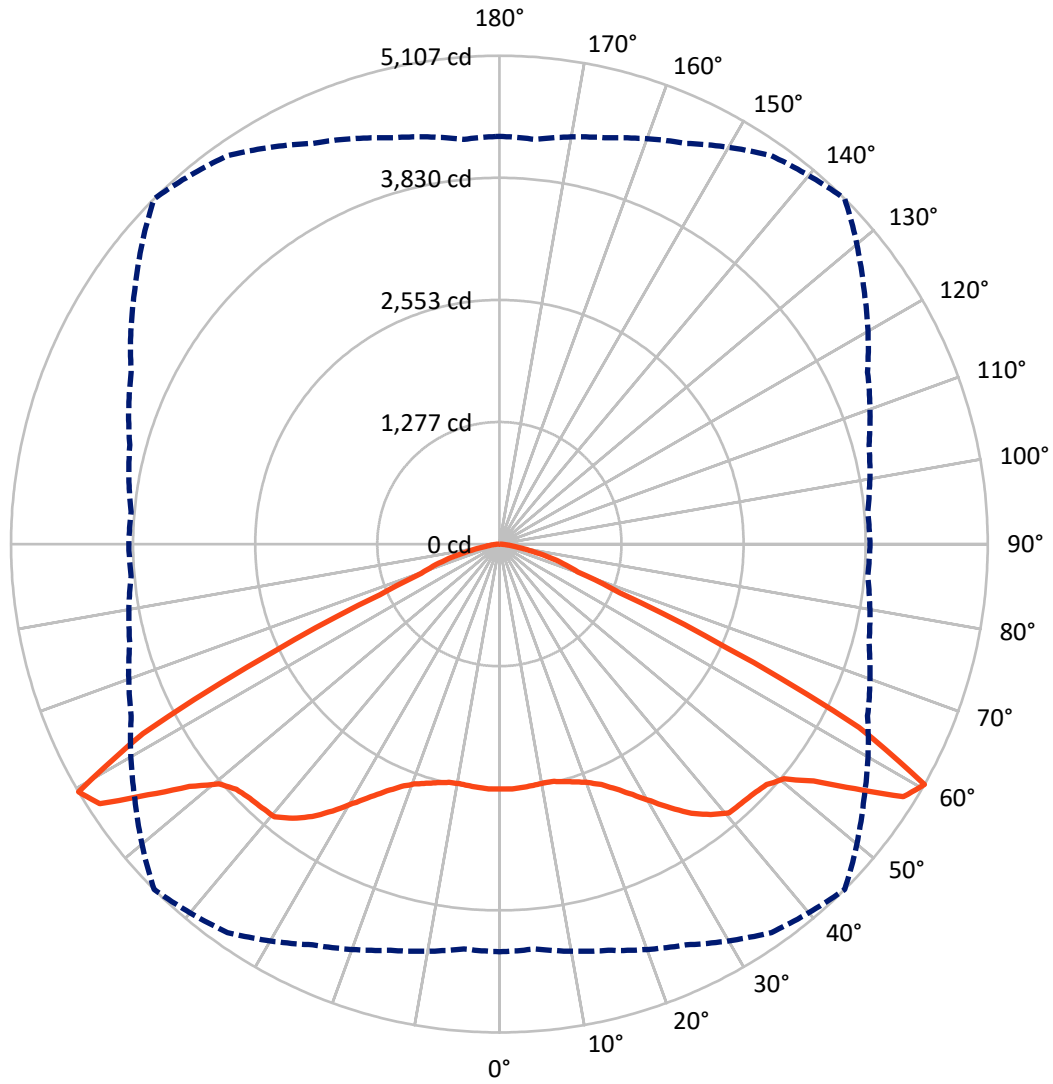
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7007.4	0.0	7007.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7007.4	0.0	7007.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14014.7	0.0	14014.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	1.7
10°-20°	730.6	5.2
20°-30°	1292.5	9.2
30°-40°	2081.0	14.8
40°-50°	2860.3	20.4
50°-60°	3811.6	27.2
60°-70°	2375.5	17.0
70°-80°	546.3	3.9
80°-90°	74.1	0.5
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°	14014.7	100.0
0°-180°	14014.7	100.0

Coefficient of Utilization



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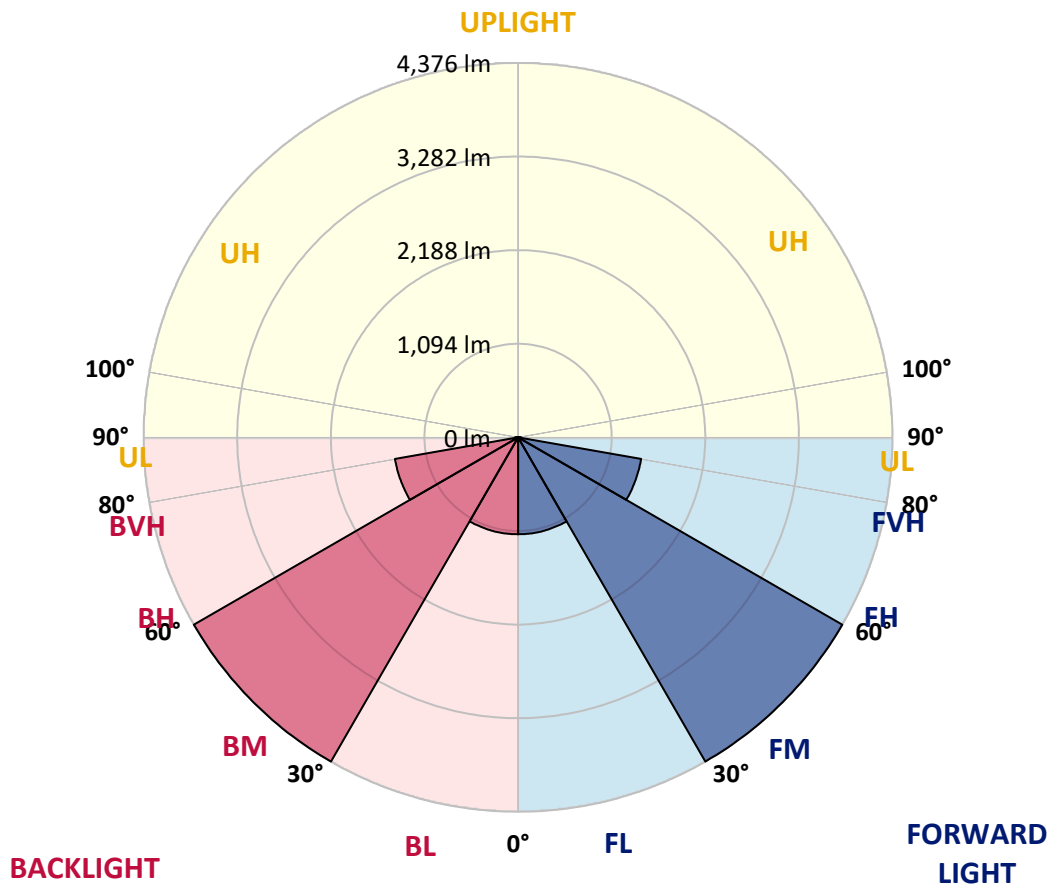
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1133.0	8.1			
FM (30°-60°)	4376.4	31.2			
FH (60°-80°)	1460.9	10.4			G1/1800
FVH (80°-90°)	37.1	0.3			G1/100
BL (0°-30°)	1133.0	8.1	B3/2500		
BM (30°-60°)	4376.4	31.2	B3/5000		
BH (60°-80°)	1460.9	10.4	B3/2500		G1/1800
BVH (80°-90°)	37.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2
2.5°	2543.3	2545.7	2550.5	2554.0	2558.8	2563.5	2565.9	2561.2	2558.8	2549.3	2560.0
5°	2545.7	2548.1	2551.6	2551.6	2552.8	2556.4	2556.4	2550.5	2544.5	2533.8	2545.7
7.5°	2542.1	2544.5	2545.7	2544.5	2545.7	2546.9	2544.5	2537.4	2531.4	2521.9	2531.4
10°	2536.2	2538.6	2540.9	2538.6	2536.2	2539.8	2539.8	2535.0	2531.4	2521.9	2532.6
12.5°	2549.3	2552.8	2554.0	2548.1	2545.7	2546.9	2546.9	2542.1	2542.1	2533.8	2545.7
15°	2580.2	2582.6	2579.0	2571.9	2573.1	2576.6	2568.3	2556.4	2554.0	2550.5	2560.0
17.5°	2604.0	2606.4	2602.8	2598.0	2606.4	2614.7	2599.2	2576.6	2569.5	2567.1	2577.8
20°	2630.2	2633.7	2629.0	2634.9	2651.6	2661.1	2642.1	2611.1	2596.9	2593.3	2606.4
22.5°	2673.0	2677.7	2677.7	2690.8	2715.8	2731.3	2707.5	2665.8	2644.4	2638.5	2651.6
25°	2740.8	2744.4	2747.9	2774.1	2814.5	2836.0	2797.9	2740.8	2711.1	2701.5	2708.7
27.5°	2834.8	2840.7	2846.7	2884.7	2934.7	2965.6	2910.9	2839.5	2802.7	2783.6	2797.9
30°	2946.6	2954.9	2969.2	3012.0	3082.2	3116.7	3046.5	2959.7	2918.0	2897.8	2916.9
32.5°	3098.9	3100.0	3110.8	3158.3	3251.1	3290.4	3202.4	3106.0	3063.2	3039.4	3050.1
35°	3279.7	3280.9	3264.2	3313.0	3412.9	3456.9	3353.4	3255.9	3220.2	3213.1	3240.4
37.5°	3465.2	3454.5	3437.9	3459.3	3560.4	3589.0	3479.5	3396.3	3380.8	3393.9	3434.3
40°	3597.3	3579.4	3546.1	3561.6	3663.9	3697.2	3580.6	3502.1	3497.4	3529.5	3578.3
42.5°	3682.9	3663.9	3624.7	3624.7	3694.8	3709.1	3618.7	3577.1	3587.8	3624.7	3671.0
45°	3724.6	3713.9	3691.3	3679.4	3718.6	3724.6	3655.6	3638.9	3659.1	3677.0	3712.7
47.5°	3756.7	3756.7	3749.6	3737.7	3755.5	3759.1	3707.9	3703.2	3729.3	3729.3	3753.1
50°	3813.8	3819.7	3829.3	3826.9	3845.9	3857.8	3819.7	3812.6	3823.3	3788.8	3800.7
52.5°	3963.7	3979.1	4006.5	4027.9	4076.7	4113.6	4045.8	3988.7	3932.8	3856.6	3859.0
55°	4232.5	4239.7	4293.2	4356.2	4438.3	4513.3	4374.1	4196.8	4075.5	3986.3	3987.5
57.5°	4459.7	4470.4	4549.0	4681.0	4865.4	4982.0	4673.9	4377.7	4206.4	4096.9	4100.5
60°	4263.5	4249.2	4397.9	4623.9	4958.2	5106.9	4652.4	4248.0	4001.7	3866.1	3875.7
62.5°	3298.7	3271.3	3436.7	3673.4	4074.3	4223.0	3804.3	3416.5	3183.3	3077.4	3062.0
65°	2008.0	1983.0	2102.0	2247.1	2518.3	2612.3	2420.8	2215.0	2011.6	1947.3	1929.5
67.5°	1093.2	1089.7	1121.8	1193.1	1312.1	1356.1	1319.2	1221.7	1169.4	1124.2	1124.2
70°	867.2	860.1	854.1	855.3	866.0	872.0	873.2	868.4	874.3	875.5	870.8
72.5°	718.5	716.1	704.2	705.4	700.7	698.3	706.6	711.4	720.9	722.1	722.1
75°	521.0	515.1	521.0	522.2	517.5	517.5	523.4	522.2	527.0	529.4	516.3
77.5°	296.2	296.2	304.5	314.0	321.2	321.2	327.1	327.1	333.1	331.9	329.5
80°	163.0	163.0	167.7	173.7	180.8	188.0	193.9	195.1	198.7	197.5	193.9
82.5°	92.8	94.0	96.4	99.9	107.1	113.0	119.0	120.1	123.7	123.7	120.1
85°	44.0	42.8	44.0	46.4	50.0	54.7	60.7	64.2	66.6	66.6	64.2
87.5°	8.3	9.5	8.3	9.5	10.7	14.3	16.7	19.0	22.6	23.8	21.4
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)