

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: P636310

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636310  
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-SA3F-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

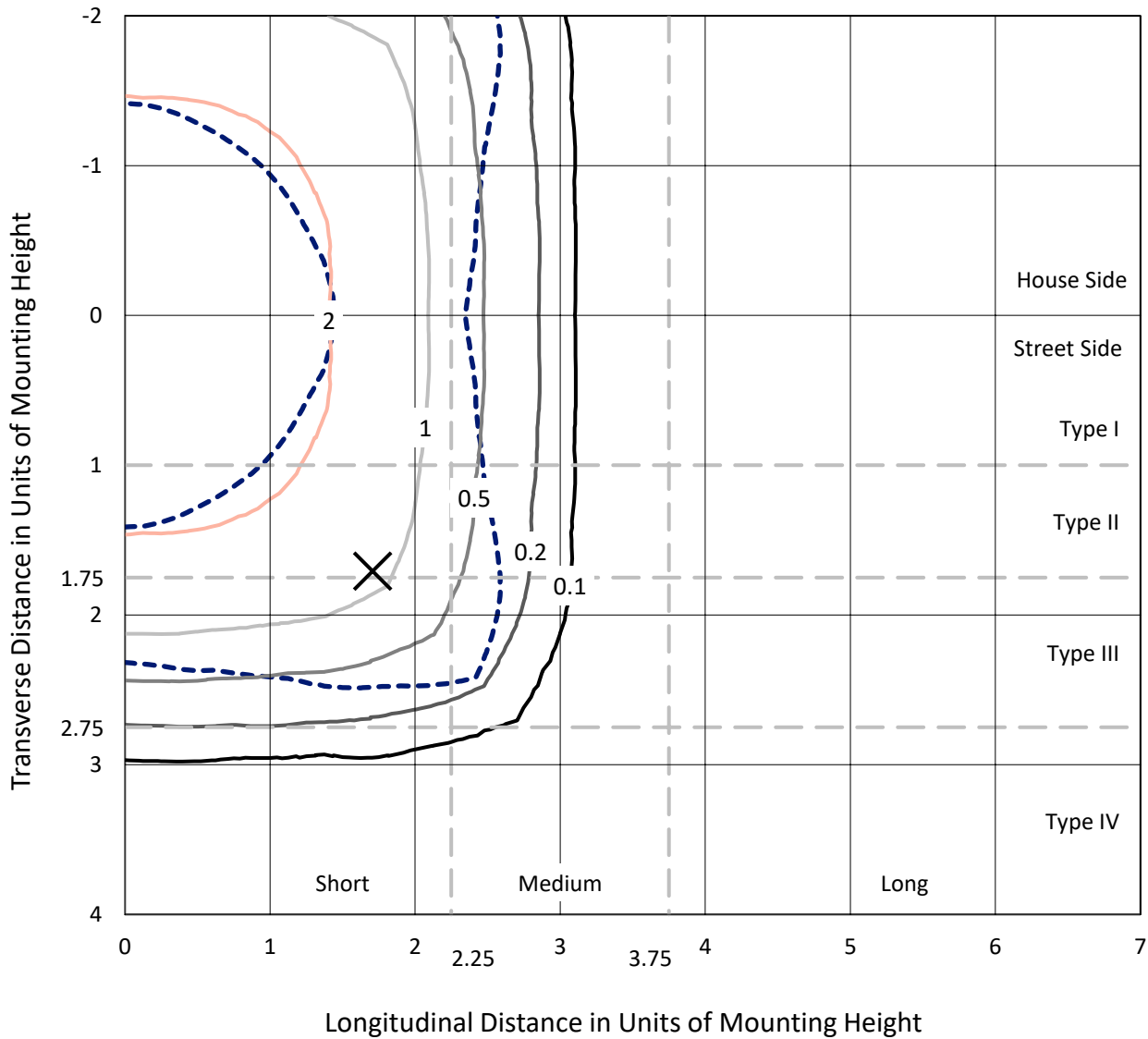
Lumens per Lamp: N/A  
Luminaire Lumens: 25901.1 lumens  
Efficiency: N/A  
Efficacy: 141.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

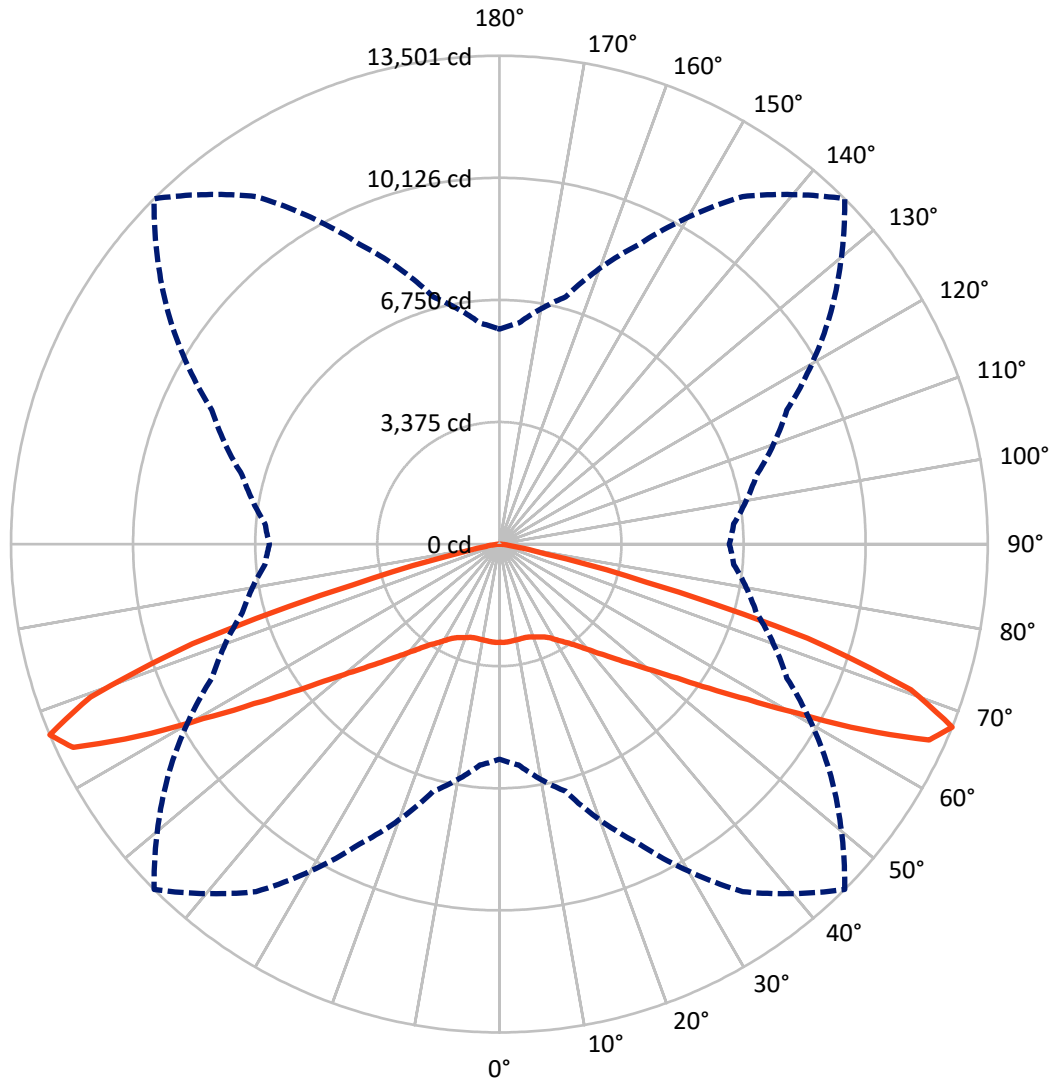
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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
<b>House Side</b>	Lumens	12950.6	0.0	12950.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12950.6	0.0	12950.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25901.1	0.0	25901.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.7	1.0
10°-20°	754.1	2.9
20°-30°	1300.6	5.0
30°-40°	2114.8	8.2
40°-50°	3560.9	13.7
50°-60°	6309.2	24.4
60°-70°	9018.6	34.8
70°-80°	2475.2	9.6
80°-90°	110.9	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°	25901.1	100.0
0°-180°	25901.1	100.0

**Coefficient of Utilization**



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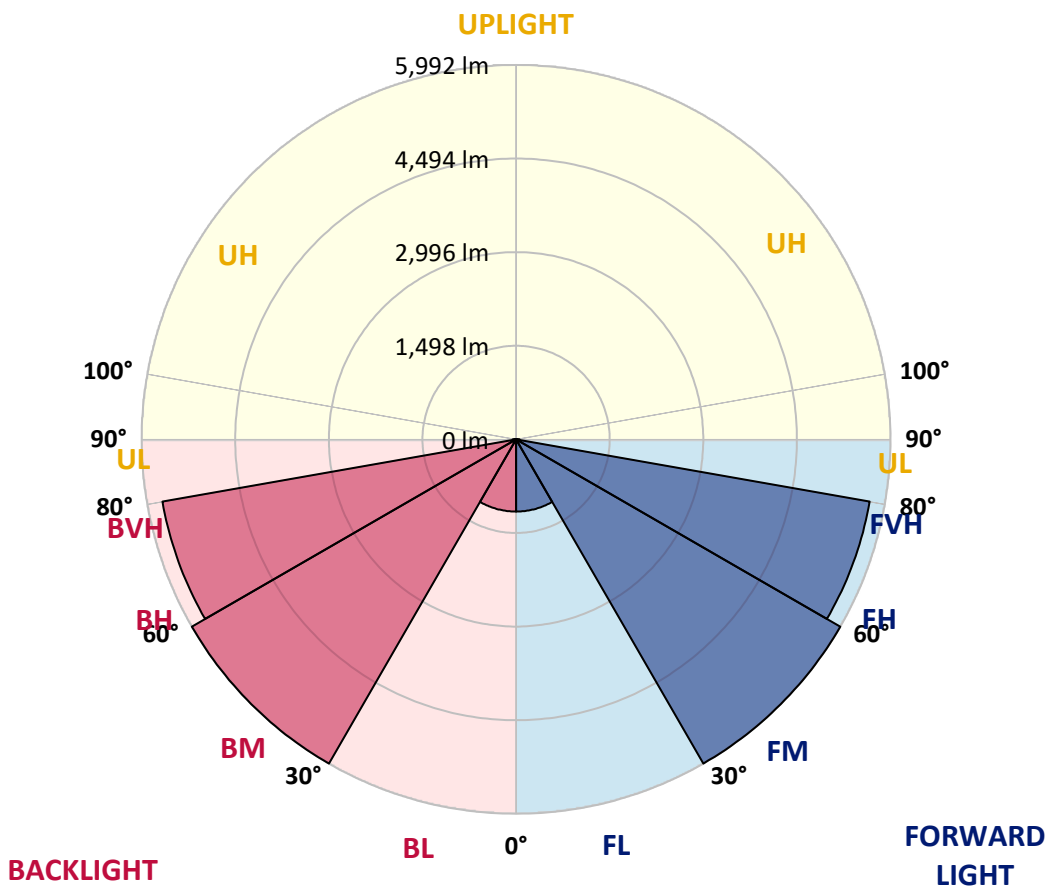
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1155.7	4.5			
FM (30°-60°)	5992.5	23.1			
FH (60°-80°)	5746.9	22.2			G3/7500
FVH (80°-90°)	55.4	0.2			G1/100
BL (0°-30°)	1155.7	4.5	B3/2500		
BM (30°-60°)	5992.5	23.1	B4/8500		
BH (60°-80°)	5746.9	22.2	B5		G3/7500
BVH (80°-90°)	55.4	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-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2712.7	2712.7	2712.7	2712.7	2712.7	2712.7	2712.7	2712.7	2712.7	2712.7	2712.7
2.5°	2694.8	2693.0	2701.9	2707.3	2705.5	2718.1	2716.3	2712.7	2712.7	2707.3	2721.6
5°	2694.8	2693.0	2700.1	2701.9	2698.3	2709.1	2705.5	2701.9	2701.9	2694.8	2707.3
7.5°	2680.4	2682.2	2687.6	2691.2	2687.6	2696.5	2691.2	2684.0	2682.2	2675.0	2687.6
10°	2653.5	2655.3	2660.7	2669.7	2671.4	2687.6	2678.6	2666.1	2660.7	2653.5	2666.1
12.5°	2637.4	2639.2	2644.6	2655.3	2658.9	2680.4	2671.4	2651.7	2642.8	2635.6	2648.1
15°	2633.8	2635.6	2642.8	2653.5	2658.9	2680.4	2671.4	2648.1	2635.6	2626.6	2637.4
17.5°	2633.8	2637.4	2648.1	2664.3	2675.0	2696.5	2685.8	2658.9	2641.0	2624.8	2635.6
20°	2635.6	2641.0	2657.1	2680.4	2707.3	2737.8	2723.4	2687.6	2662.5	2642.8	2649.9
22.5°	2651.7	2660.7	2680.4	2710.9	2750.3	2786.2	2773.6	2725.2	2689.4	2662.5	2669.7
25°	2707.3	2710.9	2736.0	2775.4	2813.1	2843.6	2831.0	2786.2	2741.4	2709.1	2718.1
27.5°	2805.9	2814.9	2836.4	2877.6	2909.9	2926.0	2924.2	2893.8	2848.9	2820.3	2827.4
30°	2924.2	2933.2	2961.9	3008.5	3040.8	3058.7	3053.3	3030.0	2988.8	2949.3	2956.5
32.5°	3062.3	3065.9	3100.0	3151.9	3186.0	3212.9	3195.0	3169.9	3117.9	3071.3	3074.9
35°	3238.0	3243.4	3279.2	3327.7	3354.5	3376.1	3372.5	3347.4	3291.8	3241.6	3254.1
37.5°	3458.5	3462.1	3494.4	3555.4	3576.9	3593.0	3596.6	3584.0	3526.7	3462.1	3474.7
40°	3732.9	3734.6	3770.5	3824.3	3847.6	3858.4	3860.2	3861.9	3802.8	3754.4	3750.8
42.5°	4052.0	4061.0	4111.2	4163.2	4173.9	4168.5	4186.5	4204.4	4147.0	4080.7	4086.1
45°	4433.9	4439.3	4507.4	4564.8	4545.0	4527.1	4561.2	4597.0	4545.0	4459.0	4433.9
47.5°	4885.7	4896.5	4970.0	5027.3	4995.1	4962.8	5018.4	5056.0	4971.8	4880.3	4857.0
50°	5396.7	5403.9	5507.8	5579.6	5541.9	5482.7	5552.7	5592.1	5479.2	5366.2	5316.0
52.5°	6000.9	5986.6	6124.6	6250.1	6226.8	6149.7	6207.1	6214.3	6045.7	5886.1	5835.9
55°	6737.8	6723.4	6861.5	6999.5	7056.9	7037.2	7010.3	6967.3	6718.1	6547.7	6501.1
57.5°	7596.6	7551.8	7745.4	7931.9	8057.4	8093.2	7978.5	7878.1	7680.9	7471.1	7417.3
60°	8394.4	8392.6	8699.2	9022.0	9366.2	9509.6	9219.2	8946.7	8503.8	8121.9	8044.8
62.5°	8618.6	8656.2	9158.2	9957.9	10807.7	11315.1	10549.5	9647.7	8792.5	8216.9	8114.7
65°	8066.3	8159.6	8873.1	10135.4	11813.5	13054.2	11325.9	9663.8	8471.5	7754.4	7646.8
67.5°	5945.3	6131.8	7076.6	9145.7	11727.5	13500.7	11187.8	8769.2	7358.1	6504.7	6355.9
70°	2933.2	3110.7	3860.2	6017.0	9649.5	12068.1	9680.0	6608.7	4970.0	4148.8	4012.5
72.5°	1079.3	1151.1	1445.1	2574.6	5325.0	8914.4	6619.5	3691.6	2407.9	1916.6	1825.2
75°	528.9	541.5	586.3	864.2	1965.0	4195.4	3110.7	1416.4	885.7	771.0	745.9
77.5°	337.1	342.4	364.0	412.4	631.1	1321.4	943.1	559.4	433.9	416.0	416.0
80°	188.3	193.6	222.3	256.4	295.8	453.6	338.9	335.3	285.1	249.2	243.8
82.5°	89.6	98.6	141.6	139.8	156.0	227.7	199.0	181.1	182.9	138.1	130.9
85°	41.2	41.2	55.6	66.3	69.9	77.1	91.4	104.0	102.2	69.9	75.3
87.5°	19.7	19.7	19.7	17.9	16.1	14.3	19.7	32.3	46.6	32.3	30.5
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)