

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: P636366

Luminaire Tested: GWS-SA3F-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636366  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

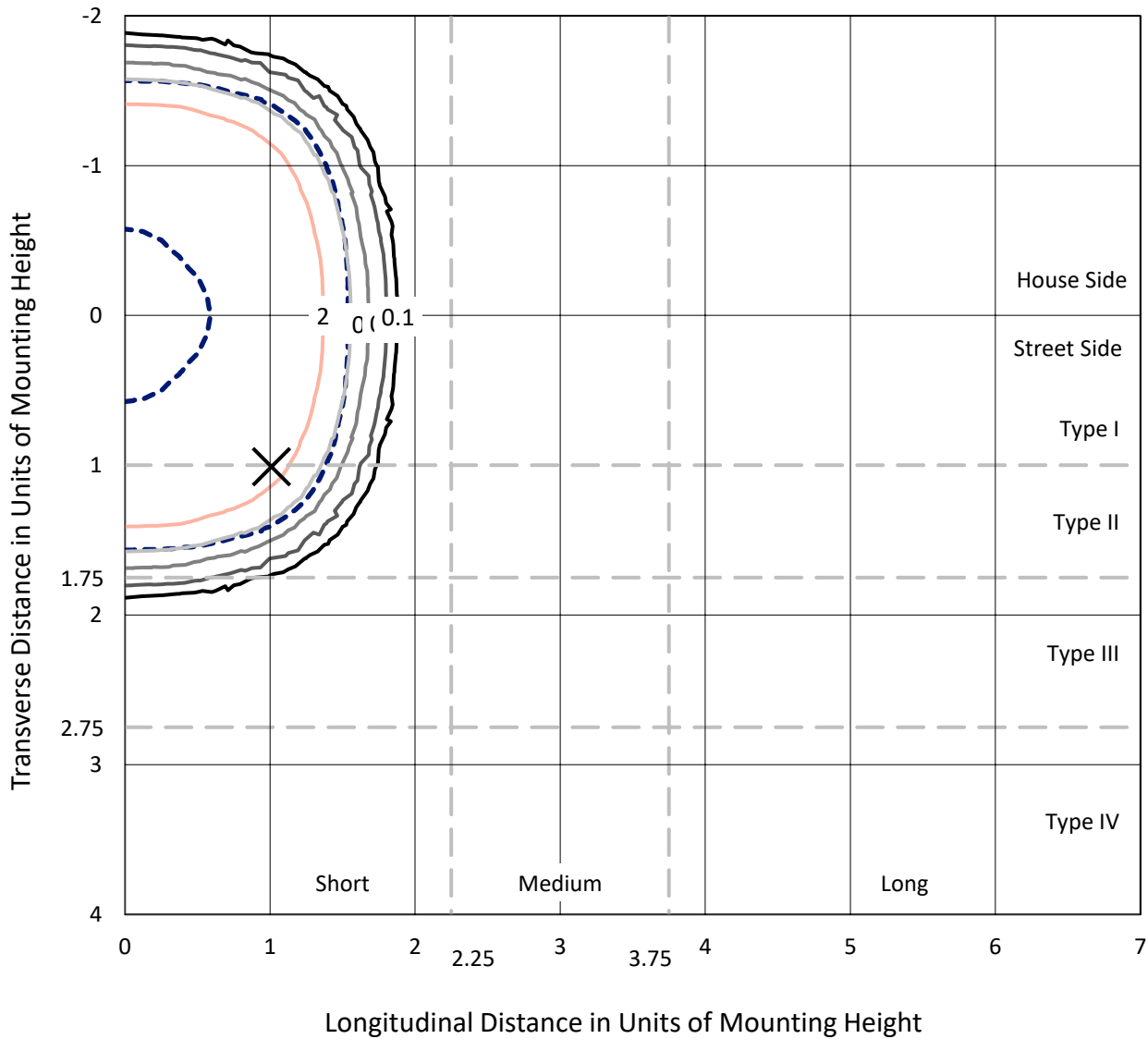
Lumens per Lamp: N/A  
Luminaire Lumens: 17358.5 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

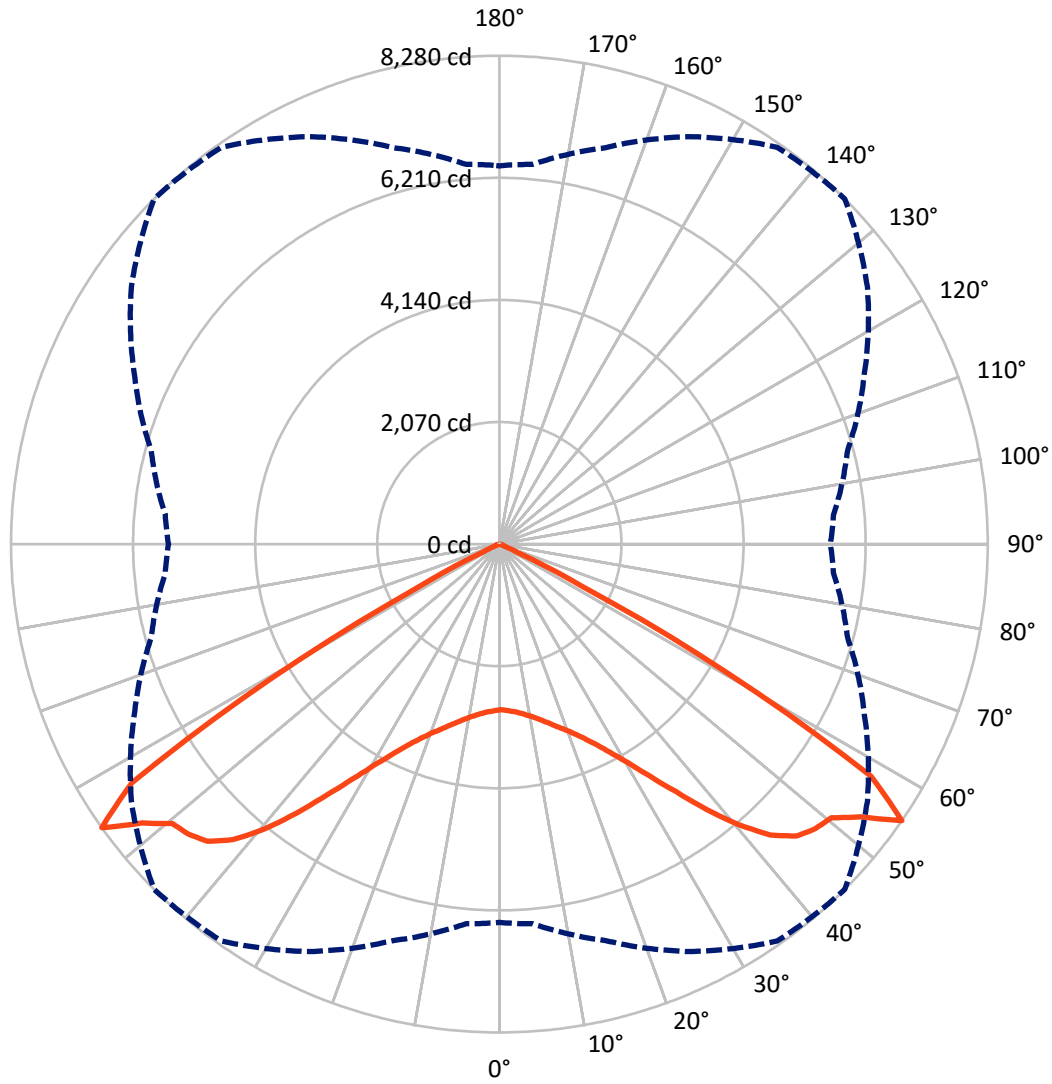
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	8679.3	0.0	8679.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8679.3	0.0	8679.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17358.5	0.0	17358.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.0	1.6
10°-20°	891.3	5.1
20°-30°	1726.2	9.9
30°-40°	3092.6	17.8
40°-50°	5185.0	29.9
50°-60°	5550.3	32.0
60°-70°	609.9	3.5
70°-80°	26.9	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°	17358.5	100.0
0°-180°	17358.5	100.0

**Coefficient of Utilization**



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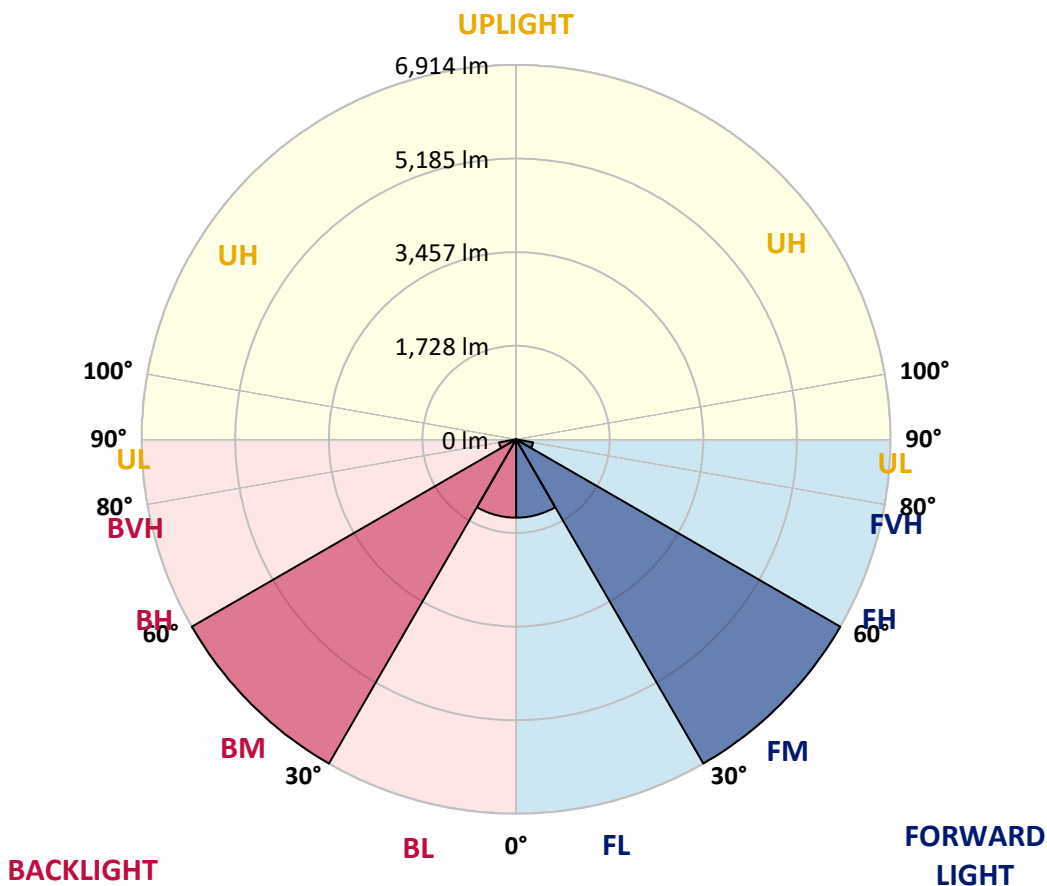
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1446.3	8.3			
FM (30°-60°)	6914.0	39.8			
FH (60°-80°)	318.4	1.8			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1446.3	8.3	B3/2500		
BM (30°-60°)	6914.0	39.8	B4/8500		
BH (60°-80°)	318.4	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°	2806.5	2806.5	2806.5	2806.5	2806.5	2806.5	2806.5	2806.5	2806.5	2806.5	2806.5
2.5°	2801.2	2801.2	2808.3	2813.6	2813.6	2827.8	2822.5	2817.1	2817.1	2810.1	2824.2
5°	2841.9	2840.1	2847.2	2850.7	2843.7	2857.8	2849.0	2843.7	2840.1	2833.1	2847.2
7.5°	2886.1	2887.9	2889.7	2896.7	2893.2	2907.3	2900.3	2889.7	2886.1	2875.5	2889.7
10°	2939.2	2939.2	2942.7	2951.5	2953.3	2971.0	2963.9	2951.5	2940.9	2930.3	2944.5
12.5°	3006.4	3008.1	3013.4	3025.8	3032.9	3052.3	3041.7	3017.0	3001.1	2988.7	3004.6
15°	3103.6	3101.9	3108.9	3126.6	3135.5	3149.6	3133.7	3100.1	3080.6	3066.5	3077.1
17.5°	3209.7	3209.7	3213.3	3231.0	3243.3	3264.6	3245.1	3204.4	3186.8	3167.3	3177.9
20°	3326.5	3331.8	3335.3	3347.7	3368.9	3390.1	3374.2	3333.5	3314.1	3289.3	3301.7
22.5°	3480.3	3475.0	3476.8	3498.0	3528.1	3549.3	3536.9	3489.2	3455.6	3436.1	3443.2
25°	3651.9	3650.1	3655.4	3687.2	3720.8	3743.8	3726.1	3664.2	3630.6	3597.0	3611.2
27.5°	3862.3	3864.1	3867.6	3906.5	3959.6	3993.2	3949.0	3887.1	3841.1	3796.9	3807.5
30°	4111.7	4108.1	4118.7	4171.8	4249.6	4302.6	4251.4	4164.7	4099.3	4056.8	4062.1
32.5°	4376.9	4380.5	4408.8	4493.6	4596.2	4689.9	4585.6	4470.6	4385.8	4306.2	4316.8
35°	4663.4	4672.3	4735.9	4861.5	5029.5	5155.0	5010.0	4820.8	4700.5	4598.0	4601.5
37.5°	5001.2	5022.4	5110.8	5298.3	5538.8	5706.8	5494.6	5243.5	5087.8	4960.5	4951.7
40°	5445.1	5469.8	5590.1	5812.9	6104.7	6258.6	6012.7	5754.5	5561.8	5423.8	5402.6
42.5°	5954.4	5986.2	6117.1	6345.2	6637.0	6741.3	6500.8	6283.3	6110.0	5947.3	5940.2
45°	6529.1	6546.8	6652.9	6828.0	7038.4	7063.2	6882.8	6762.6	6587.5	6435.4	6423.0
47.5°	7068.5	7086.2	7158.7	7248.9	7298.4	7210.0	7178.2	7125.1	6898.7	6711.3	6672.4
50°	7478.8	7492.9	7583.1	7618.5	7480.6	7293.1	7355.0	7241.8	6996.0	6785.6	6725.4
52.5°	7450.5	7485.9	7717.5	7919.1	7832.5	7680.4	7514.2	7270.1	6888.1	6599.9	6525.6
55°	6414.2	6461.9	6958.9	7622.0	8214.5	8279.9	7615.0	6828.0	6110.0	5687.3	5611.3
57.5°	4122.3	4134.6	4741.2	5671.4	7006.6	7427.5	6315.1	5148.0	4254.9	3789.8	3758.0
60°	1515.6	1490.8	1948.8	2719.9	4035.6	4481.3	3717.3	2603.2	1856.9	1527.9	1501.4
62.5°	364.3	367.8	456.3	684.4	1266.2	1566.8	1237.9	691.5	440.3	369.6	366.1
65°	183.9	180.4	182.2	196.3	270.6	323.6	265.3	187.5	180.4	182.2	180.4
67.5°	118.5	116.7	120.3	122.0	120.3	113.2	111.4	114.9	114.9	116.7	113.2
70°	72.5	70.7	74.3	79.6	76.0	67.2	70.7	74.3	70.7	69.0	69.0
72.5°	38.9	38.9	42.4	46.0	42.4	38.9	38.9	40.7	38.9	38.9	38.9
75°	17.7	17.7	19.5	21.2	17.7	17.7	17.7	17.7	17.7	17.7	17.7
77.5°	5.3	5.3	7.1	7.1	5.3	5.3	5.3	5.3	7.1	7.1	7.1
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)