

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: P641264

Luminaire Tested: GWS-SA5F-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641264  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5F-750-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

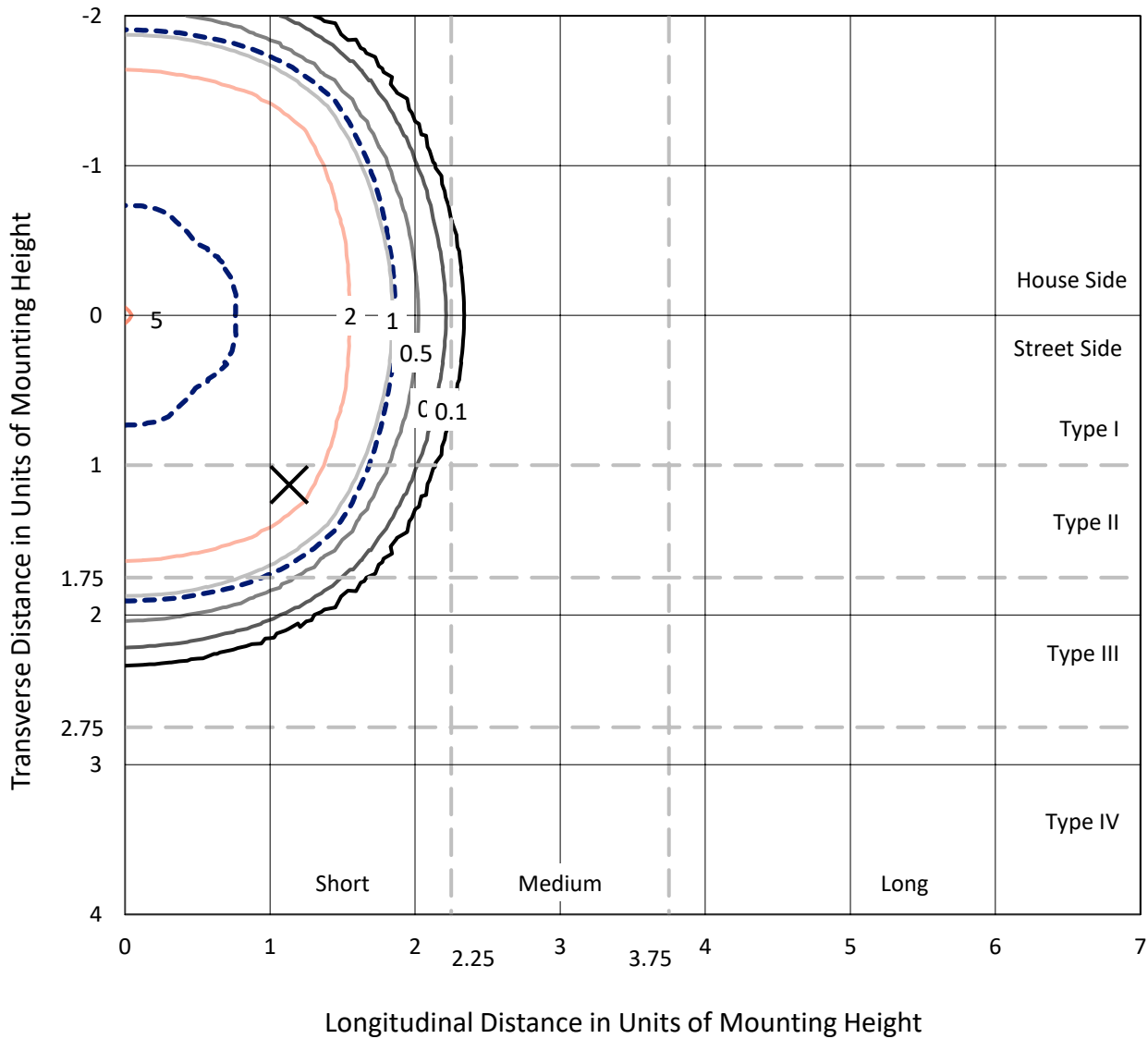
Lumens per Lamp: N/A  
Luminaire Lumens: 22468.4 lumens  
Efficiency: N/A  
Efficacy: 72.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 310.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

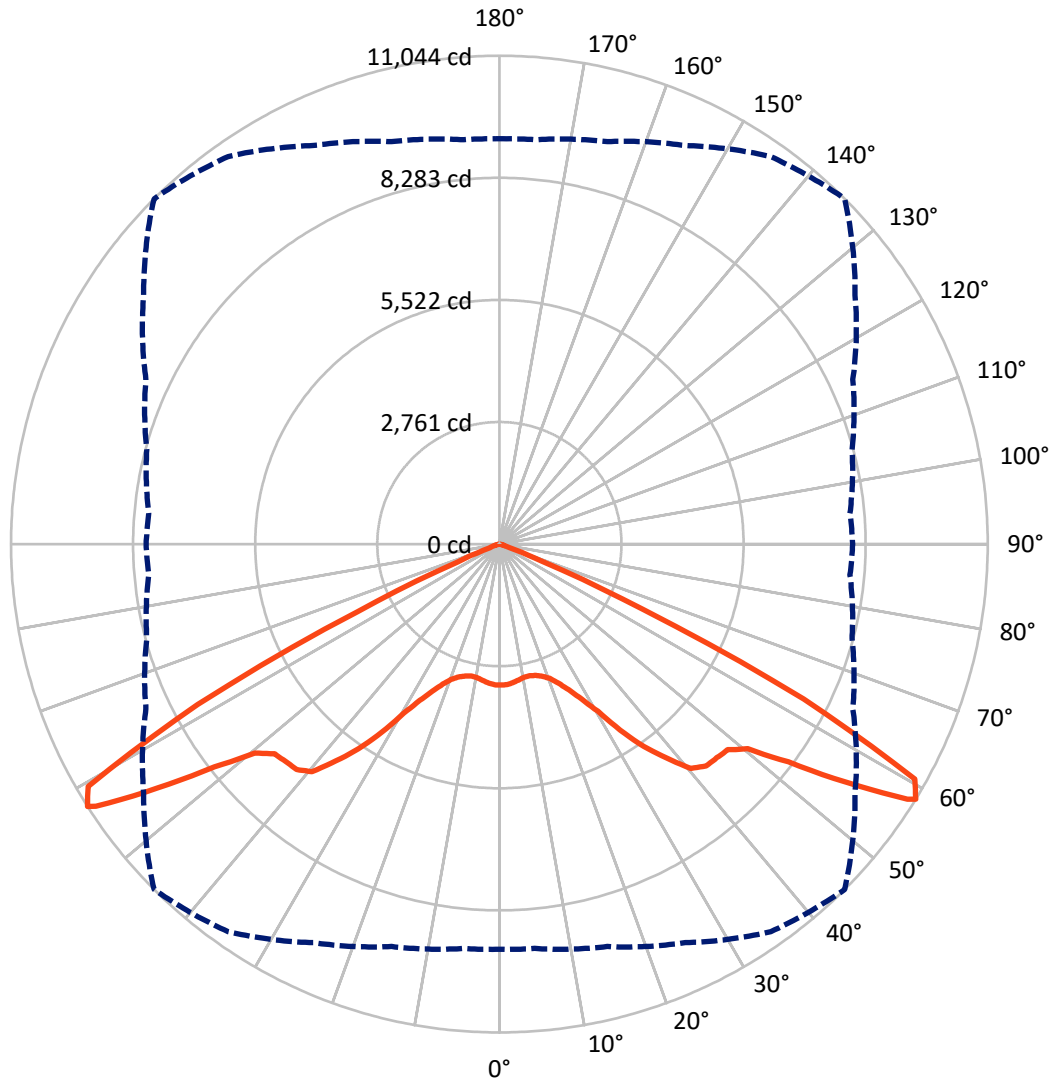
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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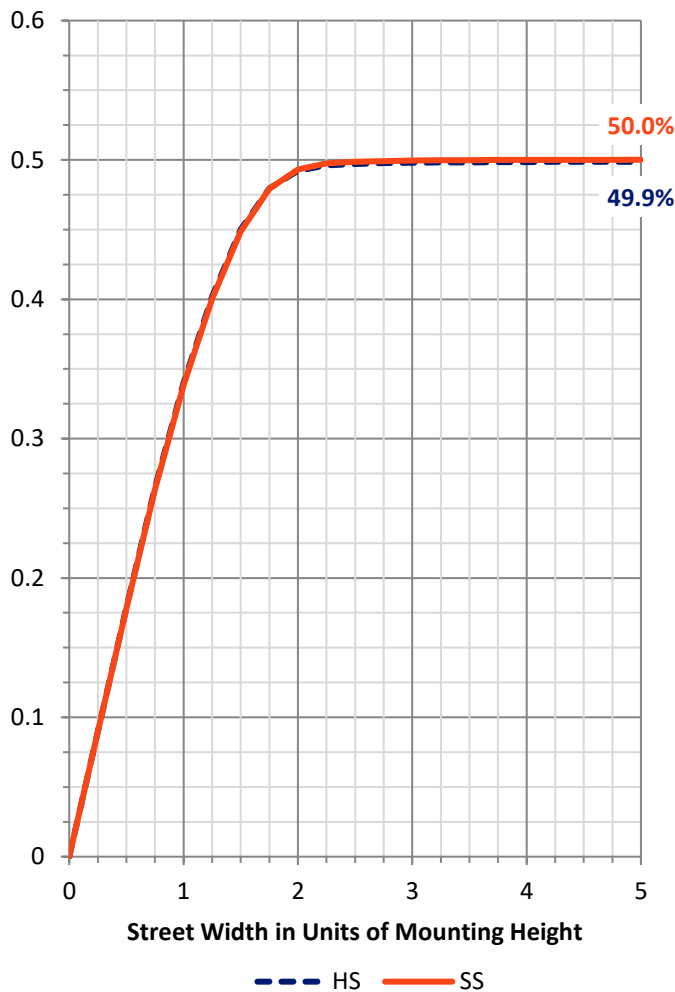
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11234.2	0.0	11234.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11234.2	0.0	11234.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22468.4	0.0	22468.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.3	1.3
10°-20°	879.6	3.9
20°-30°	1663.7	7.4
30°-40°	3281.1	14.6
40°-50°	5192.3	23.1
50°-60°	7632.4	34.0
60°-70°	3406.8	15.2
70°-80°	114.1	0.5
80°-90°	1.0	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°	22468.4	100.0
0°-180°	22468.4	100.0

**Coefficient of Utilization**



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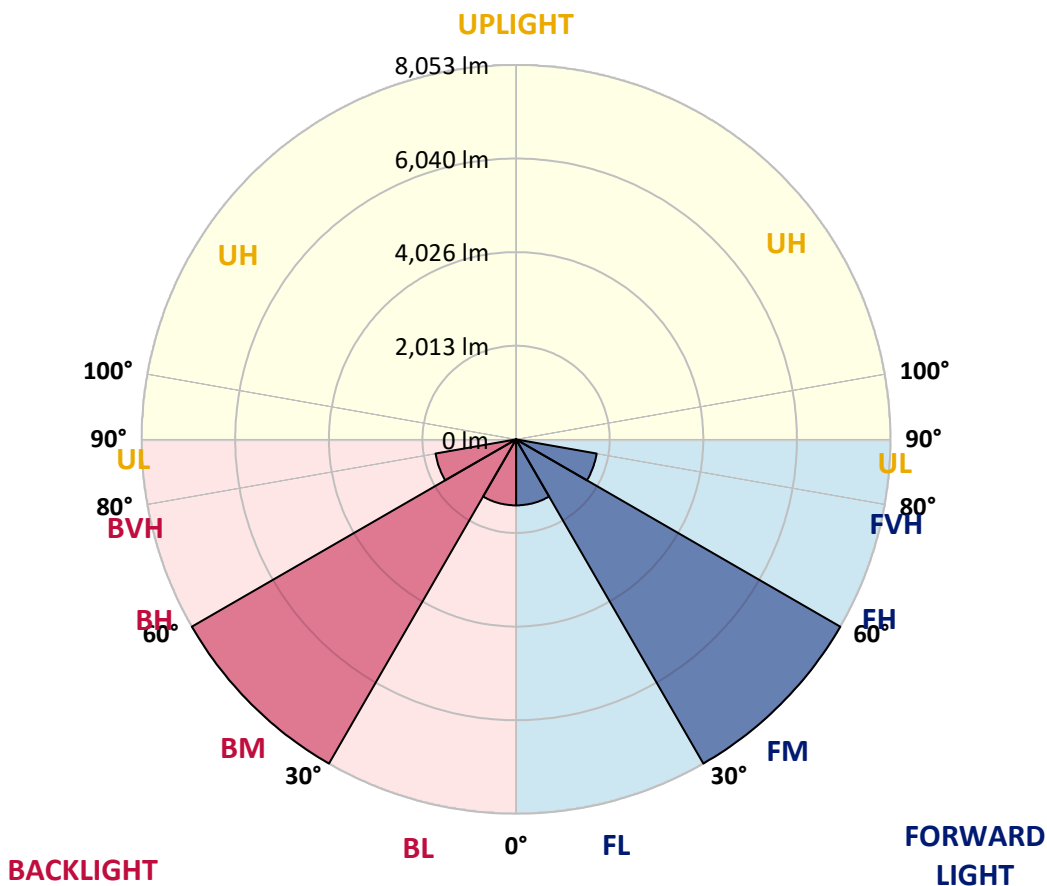
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1420.3	6.3			
FM (30°-60°)	8053.0	35.8			
FH (60°-80°)	1760.5	7.8			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1420.3	6.3	B3/2500		
BM (30°-60°)	8053.0	35.8	B4/8500		
BH (60°-80°)	1760.5	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.5	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°	3186.3	3186.3	3186.3	3186.3	3186.3	3186.3	3186.3	3186.3	3186.3	3186.3	3186.3
2.5°	3155.7	3161.8	3168.0	3171.0	3174.1	3183.3	3186.3	3177.1	3177.1	3158.8	3180.2
5°	3140.4	3146.5	3152.6	3149.6	3149.6	3149.6	3146.5	3134.3	3131.2	3112.9	3134.3
7.5°	3112.9	3119.0	3119.0	3109.8	3103.7	3103.7	3100.6	3085.3	3082.3	3063.9	3085.3
10°	3091.4	3094.5	3091.4	3073.1	3060.8	3060.8	3057.8	3051.6	3054.7	3042.5	3060.8
12.5°	3103.7	3106.7	3094.5	3070.0	3054.7	3051.6	3042.5	3033.3	3042.5	3039.4	3057.8
15°	3143.5	3146.5	3125.1	3094.5	3082.3	3082.3	3057.8	3033.3	3045.5	3048.6	3070.0
17.5°	3192.4	3192.4	3164.9	3137.3	3140.4	3140.4	3100.6	3057.8	3060.8	3073.1	3094.5
20°	3250.6	3250.6	3223.0	3216.9	3238.4	3241.4	3192.4	3125.1	3109.8	3119.0	3143.5
22.5°	3354.7	3354.7	3333.2	3348.5	3397.5	3412.8	3339.4	3244.5	3207.7	3213.9	3238.4
25°	3516.9	3516.9	3510.8	3547.5	3617.9	3651.6	3553.6	3428.1	3366.9	3357.7	3385.3
27.5°	3789.3	3792.4	3783.2	3838.3	3927.0	3966.8	3832.2	3666.9	3593.4	3578.1	3605.7
30°	4141.3	4141.3	4144.4	4220.9	4337.2	4389.2	4211.7	4018.9	3933.2	3884.2	3920.9
32.5°	4533.1	4539.2	4569.8	4698.4	4903.4	5010.6	4750.4	4481.0	4343.3	4291.3	4331.1
35°	5178.9	5120.8	5084.0	5178.9	5475.8	5616.6	5283.0	4967.7	4863.7	4857.5	4958.5
37.5°	5818.6	5785.0	5708.4	5806.4	6072.7	6137.0	5769.7	5506.4	5433.0	5472.8	5573.8
40°	6326.7	6265.5	6164.5	6256.3	6605.3	6669.5	6216.5	5956.4	5928.8	6017.6	6155.3
42.5°	6727.7	6642.0	6507.3	6528.7	6810.3	6856.2	6455.3	6259.4	6277.8	6387.9	6544.0
45°	6908.3	6840.9	6721.6	6712.4	6889.9	6893.0	6577.7	6476.7	6525.7	6611.4	6733.8
47.5°	6984.8	6954.2	6886.9	6871.6	6972.6	6948.1	6752.2	6709.3	6755.2	6779.7	6850.1
50°	7174.6	7174.6	7183.8	7196.0	7300.1	7275.6	7137.8	7088.9	7030.7	6945.0	6966.4
52.5°	7707.2	7728.6	7817.3	7915.3	8105.1	8184.6	7961.2	7676.5	7398.0	7211.3	7211.3
55°	8668.3	8689.7	8793.7	8959.0	9308.0	9497.7	8977.4	8349.9	7967.3	7713.3	7746.9
57.5°	9197.8	9222.3	9436.5	9883.4	10559.8	10881.2	9764.0	8833.5	8297.9	8007.1	8031.6
58°	9164.1	9179.4	9421.2	9944.6	10697.6	11043.5	9819.1	8818.2	8255.0	7958.1	7988.8
60°	8141.8	8120.4	8506.0	9252.9	10315.0	10792.5	9271.2	8050.0	7395.0	7091.9	7107.2
62.5°	5322.8	5335.0	5668.6	6449.2	7275.6	7725.5	6476.7	5567.6	5041.2	4857.5	4811.6
65°	2222.2	2182.4	2387.4	2822.1	3317.9	3568.9	3066.9	2595.6	2271.1	2148.7	2182.4
67.5°	572.4	557.1	569.3	713.2	872.3	1031.5	866.2	661.1	575.4	581.6	581.6
70°	324.4	306.1	247.9	229.6	223.4	223.4	223.4	223.4	257.1	303.0	312.2
72.5°	244.9	229.6	180.6	156.1	137.7	128.6	134.7	156.1	186.7	226.5	232.6
75°	122.4	122.4	110.2	104.1	91.8	85.7	88.8	97.9	113.3	128.6	125.5
77.5°	24.5	27.5	30.6	36.7	30.6	30.6	30.6	36.7	36.7	39.8	36.7
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
82.5°	0.0	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)