

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: P633834

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-750-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

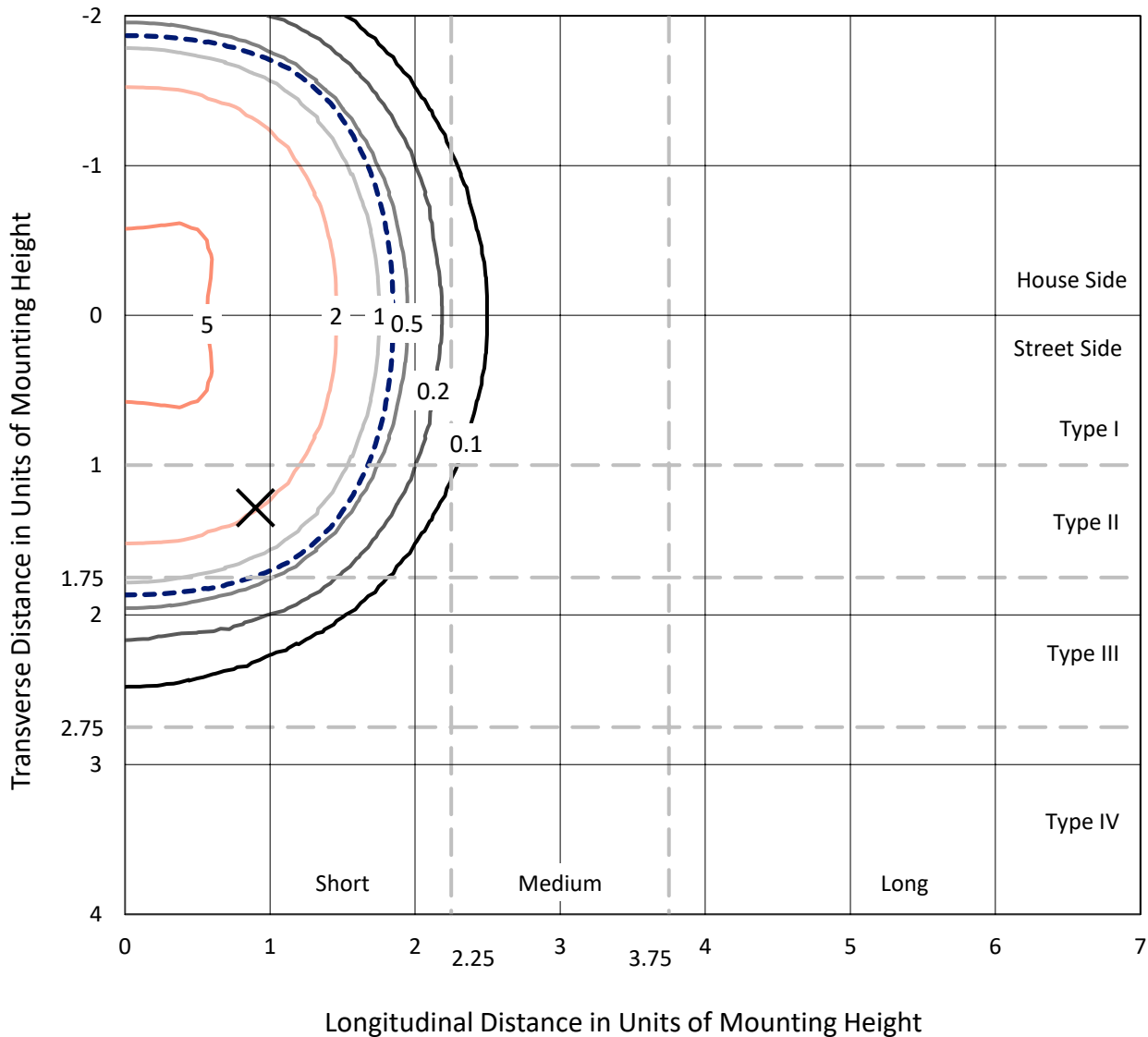
Lumens per Lamp: N/A  
Luminaire Lumens: 14529.8 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): 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

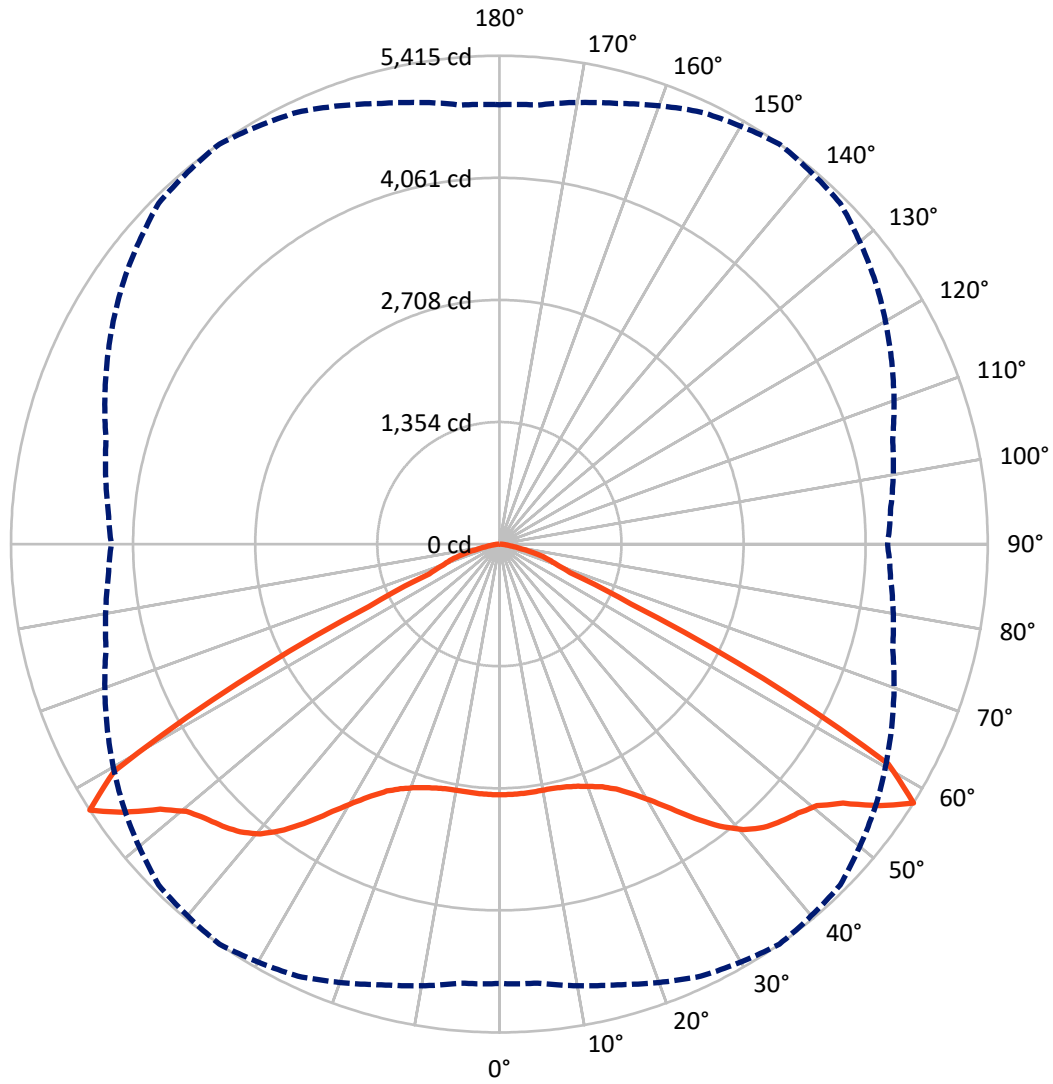
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7264.9	0.0	7264.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7264.9	0.0	7264.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14529.8	0.0	14529.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.5	1.8
10°-20°	789.1	5.4
20°-30°	1376.8	9.5
30°-40°	2257.6	15.5
40°-50°	3325.0	22.9
50°-60°	4243.2	29.2
60°-70°	1788.3	12.3
70°-80°	427.2	2.9
80°-90°	58.1	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°	14529.8	100.0
0°-180°	14529.8	100.0

**Coefficient of Utilization**



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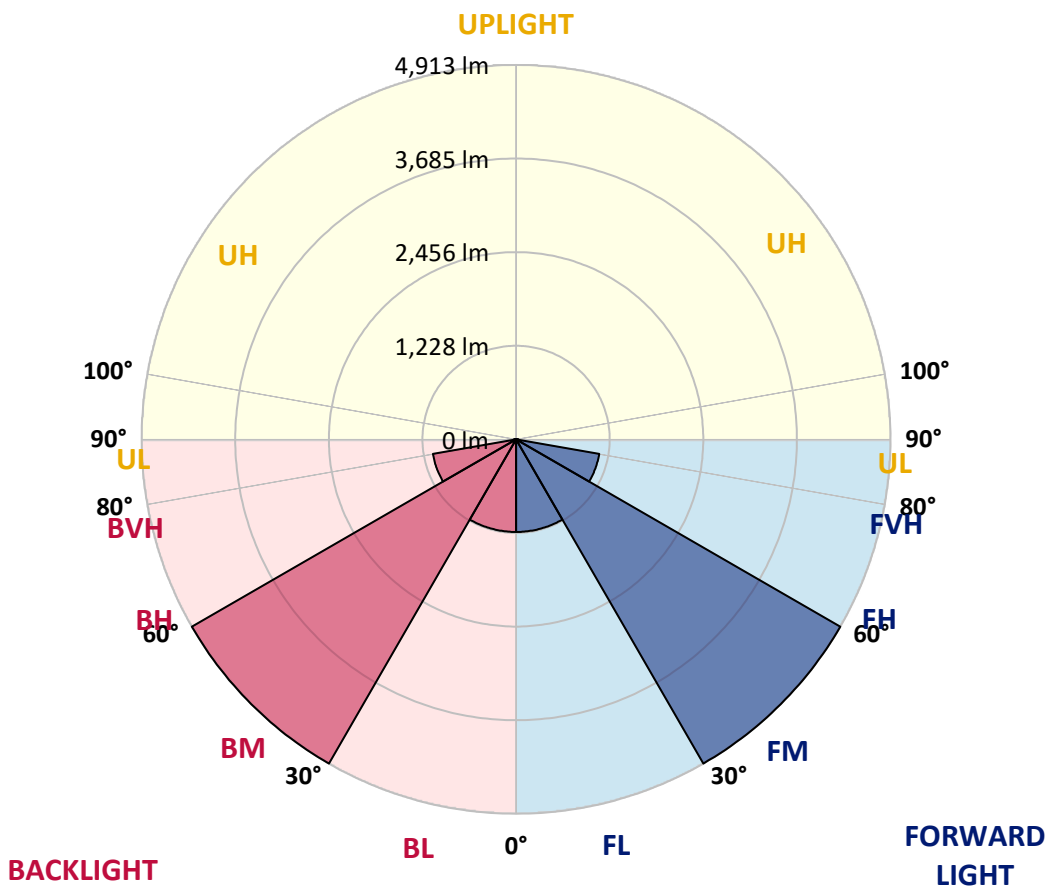
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1215.2	8.4			
FM (30°-60°)	4912.9	33.8			
FH (60°-80°)	1107.7	7.6			G1/1800
FVH (80°-90°)	29.1	0.2			G1/100
BL (0°-30°)	1215.2	8.4	B3/2500		
BM (30°-60°)	4912.9	33.8	B3/5000		
BH (60°-80°)	1107.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	29.1	0.2			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°	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1	2780.1
2.5°	2763.5	2763.5	2769.4	2775.4	2777.7	2788.4	2787.2	2783.7	2781.3	2774.2	2783.7
5°	2769.4	2769.4	2774.2	2777.7	2776.5	2784.9	2781.3	2775.4	2771.8	2764.6	2775.4
7.5°	2768.2	2768.2	2771.8	2775.4	2773.0	2780.1	2774.2	2765.8	2759.9	2752.7	2762.3
10°	2752.7	2755.1	2758.7	2767.0	2770.6	2781.3	2773.0	2759.9	2750.4	2742.0	2751.6
12.5°	2750.4	2752.7	2757.5	2768.2	2774.2	2789.6	2778.9	2757.5	2743.2	2732.5	2742.0
15°	2761.1	2763.5	2770.6	2783.7	2793.2	2809.9	2794.4	2764.6	2744.4	2730.1	2738.5
17.5°	2774.2	2777.7	2788.4	2807.5	2822.9	2840.8	2821.7	2786.1	2757.5	2738.5	2745.6
20°	2788.4	2793.2	2809.9	2838.4	2867.0	2889.6	2865.8	2818.2	2783.7	2758.7	2765.8
22.5°	2813.4	2819.4	2840.8	2881.2	2924.1	2957.4	2927.6	2863.4	2818.2	2786.1	2792.0
25°	2864.6	2871.7	2899.1	2947.8	3008.5	3049.0	3007.3	2934.8	2871.7	2832.5	2838.4
27.5°	2955.0	2958.6	2994.2	3058.5	3133.4	3179.8	3129.9	3044.2	2974.0	2928.8	2933.6
30°	3073.9	3084.7	3120.3	3204.8	3294.0	3355.9	3290.5	3189.3	3108.4	3053.7	3058.5
32.5°	3219.1	3226.2	3279.7	3367.8	3496.3	3567.6	3478.4	3358.3	3260.7	3194.1	3198.9
35°	3409.4	3415.4	3466.5	3578.3	3734.2	3800.8	3698.5	3560.5	3447.5	3384.4	3402.3
37.5°	3636.6	3647.3	3684.2	3794.8	3968.5	4034.0	3916.2	3787.7	3669.9	3611.6	3624.7
40°	3880.5	3879.3	3909.0	4006.6	4164.8	4205.3	4099.4	3997.1	3896.0	3857.9	3879.3
42.5°	4089.9	4083.9	4105.3	4186.2	4295.7	4299.2	4229.1	4172.0	4100.6	4074.4	4094.6
45°	4236.2	4238.6	4270.7	4326.6	4382.5	4352.8	4331.4	4321.8	4265.9	4230.2	4233.8
47.5°	4351.6	4361.1	4412.3	4450.3	4457.5	4407.5	4437.2	4451.5	4405.1	4350.4	4334.9
50°	4453.9	4469.4	4536.0	4576.4	4561.0	4497.9	4556.2	4577.6	4475.3	4370.6	4339.7
52.5°	4639.5	4657.3	4738.2	4790.5	4772.7	4709.7	4764.4	4688.2	4515.7	4387.3	4348.0
55°	4935.7	4944.0	5042.7	5128.4	5120.1	5042.7	4998.7	4829.8	4620.4	4487.2	4450.3
57.5°	4872.6	4886.9	5058.2	5286.6	5415.1	5344.9	5086.8	4798.9	4514.6	4354.0	4304.0
60°	3834.1	3868.6	4081.5	4483.6	4954.7	4953.5	4474.1	4026.8	3684.2	3471.3	3449.9
62.5°	2238.8	2262.6	2456.5	2863.4	3285.7	3311.9	2975.2	2668.3	2368.5	2224.6	2155.6
65°	1059.9	1058.7	1136.1	1319.3	1604.8	1627.4	1526.3	1358.5	1181.3	1132.5	1119.4
67.5°	782.8	782.8	776.8	789.9	844.6	856.5	844.6	817.3	800.6	811.3	804.2
70°	679.3	680.5	673.3	669.7	669.7	666.2	670.9	681.6	688.8	703.1	695.9
72.5°	550.8	552.0	552.0	553.2	554.4	549.6	556.7	562.7	563.9	568.6	563.9
75°	391.4	393.8	400.9	406.8	411.6	411.6	414.0	415.2	410.4	416.4	406.8
77.5°	215.3	217.7	230.8	241.5	252.2	253.4	257.0	259.3	257.0	261.7	254.6
80°	119.0	121.3	127.3	132.0	140.4	147.5	152.3	154.6	154.6	158.2	154.6
82.5°	67.8	70.2	73.8	76.1	83.3	89.2	94.0	97.5	97.5	98.7	96.4
85°	32.1	32.1	34.5	36.9	40.4	42.8	48.8	52.3	52.3	54.7	52.3
87.5°	4.8	5.9	7.1	7.1	9.5	11.9	14.3	15.5	17.8	19.0	19.0
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)