

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: P636034

Luminaire Tested: GWS-SA3F-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636034  
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-SA3F-722-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15769.5 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
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

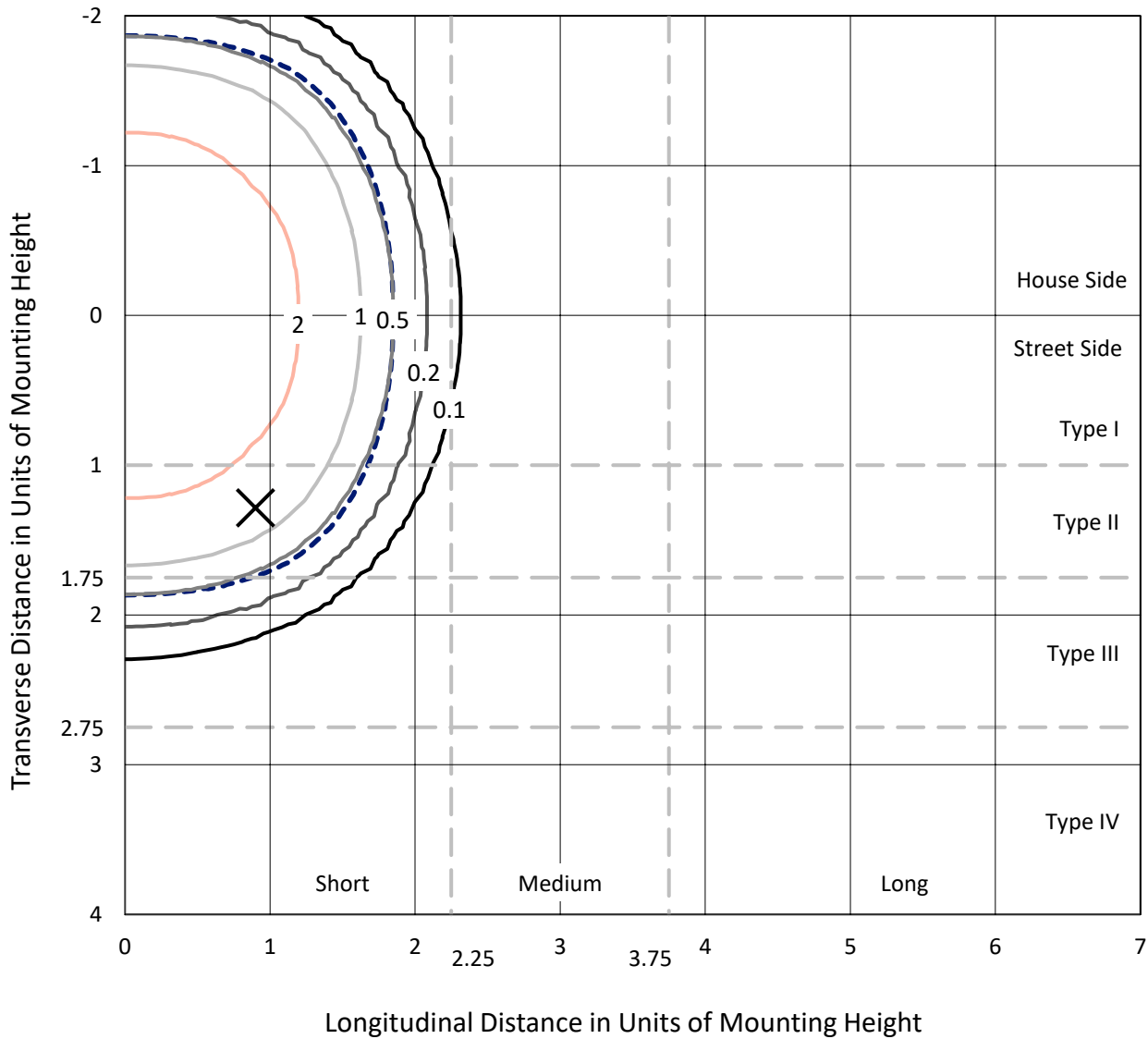


REPORT NUMBER: P636034

CATALOG NUMBER: GWS-SA3F-722-U-5MQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

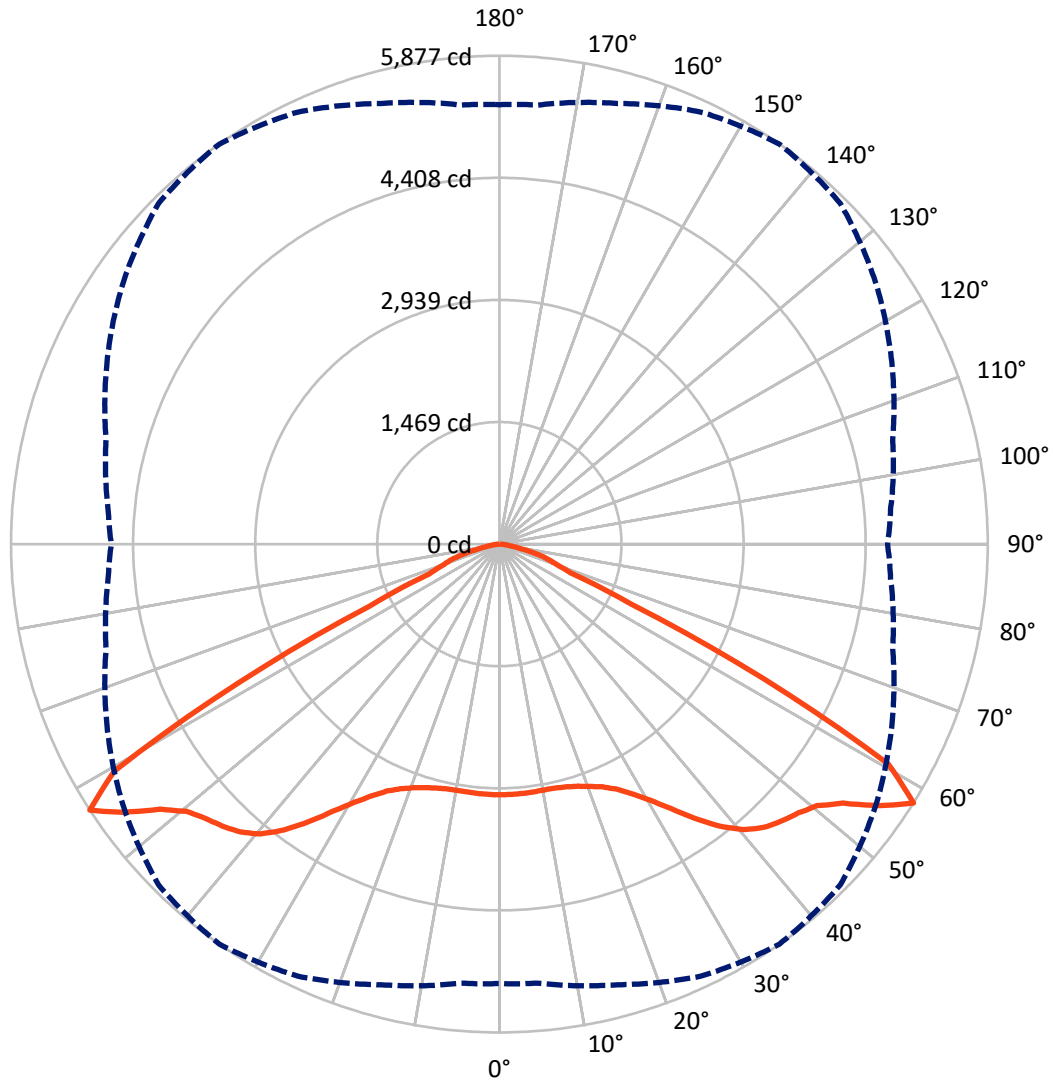
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P636034  
CATALOG NUMBER: GWS-SA3F-722-U-5MQ-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P636034

CATALOG NUMBER: GWS-SA3F-722-U-5MQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7884.8	0.0	7884.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7884.8	0.0	7884.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15769.5	0.0	15769.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.0	1.8
10°-20°	856.4	5.4
20°-30°	1494.3	9.5
30°-40°	2450.3	15.5
40°-50°	3608.7	22.9
50°-60°	4605.3	29.2
60°-70°	1940.9	12.3
70°-80°	463.6	2.9
80°-90°	63.1	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°	15769.5	100.0
0°-180°	15769.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636034

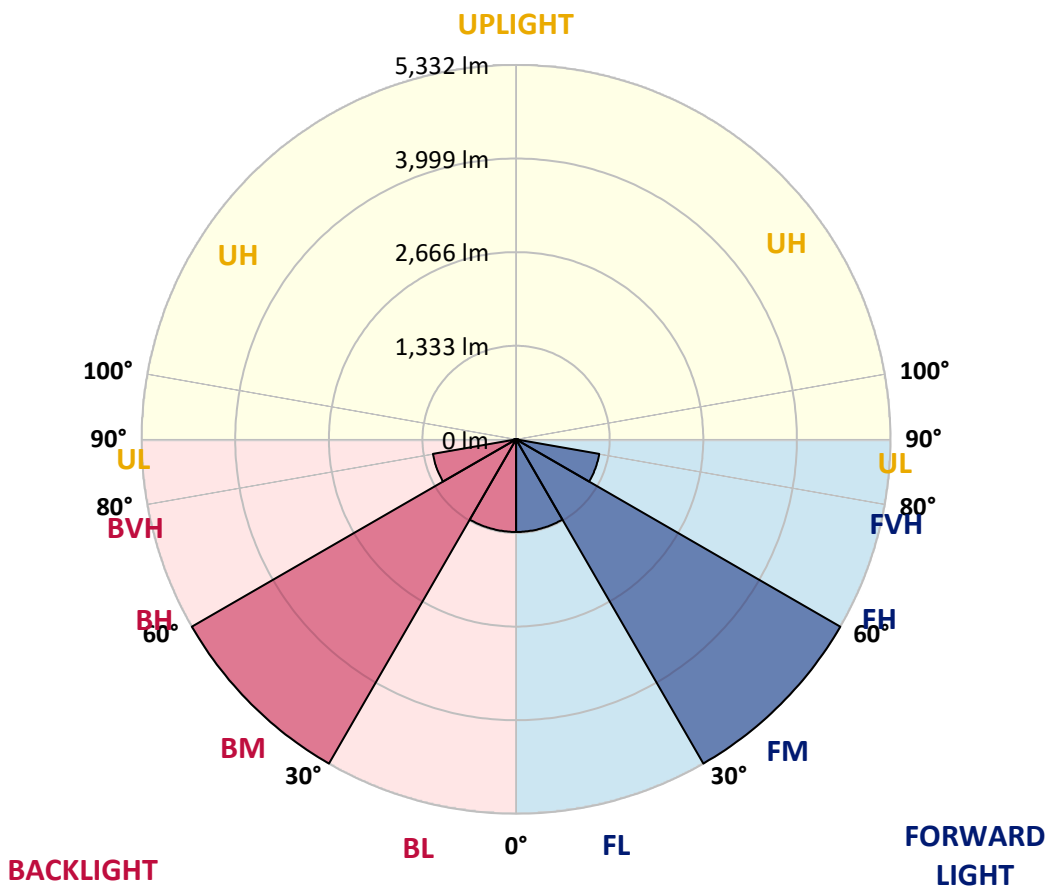
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1318.9	8.4			
FM (30°-60°)	5332.1	33.8			
FH (60°-80°)	1202.3	7.6			G1/1800
FVH (80°-90°)	31.6	0.2			G1/100
BL (0°-30°)	1318.9	8.4	B3/2500		
BM (30°-60°)	5332.1	33.8	B4/8500		
BH (60°-80°)	1202.3	7.6	B3/2500		G1/1800
BVH (80°-90°)	31.6	0.2			G1/100
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





REPORT NUMBER: P636034

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3	3017.3
2.5°	2999.2	2999.2	3005.7	3012.1	3014.7	3026.4	3025.1	3021.2	3018.6	3010.9	3021.2
5°	3005.7	3005.7	3010.9	3014.7	3013.4	3022.5	3018.6	3012.1	3008.3	3000.5	3012.1
7.5°	3004.4	3004.4	3008.3	3012.1	3009.6	3017.3	3010.9	3001.8	2995.4	2987.6	2997.9
10°	2987.6	2990.2	2994.1	3003.1	3007.0	3018.6	3009.6	2995.4	2985.0	2976.0	2986.3
12.5°	2985.0	2987.6	2992.8	3004.4	3010.9	3027.6	3016.0	2992.8	2977.3	2965.7	2976.0
15°	2996.7	2999.2	3007.0	3021.2	3031.5	3049.6	3032.8	3000.5	2978.6	2963.1	2972.1
17.5°	3010.9	3014.7	3026.4	3047.0	3063.8	3083.2	3062.5	3023.8	2992.8	2972.1	2979.9
20°	3026.4	3031.5	3049.6	3080.6	3111.6	3136.1	3110.3	3058.6	3021.2	2994.1	3001.8
22.5°	3053.5	3059.9	3083.2	3127.1	3173.5	3209.7	3177.4	3107.7	3058.6	3023.8	3030.2
25°	3109.0	3116.7	3146.4	3199.4	3265.2	3309.1	3263.9	3185.2	3116.7	3074.1	3080.6
27.5°	3207.1	3211.0	3249.7	3319.4	3400.8	3451.1	3396.9	3303.9	3227.8	3178.7	3183.9
30°	3336.2	3347.8	3386.6	3478.2	3575.1	3642.2	3571.2	3461.5	3373.7	3314.3	3319.4
32.5°	3493.7	3501.5	3559.6	3655.1	3794.6	3872.0	3775.2	3644.8	3538.9	3466.6	3471.8
35°	3700.3	3706.8	3762.3	3883.6	4052.8	4125.1	4014.0	3864.3	3741.6	3673.2	3692.6
37.5°	3946.9	3958.5	3998.6	4118.6	4307.1	4378.1	4250.3	4110.9	3983.1	3919.8	3934.0
40°	4211.6	4210.3	4242.6	4348.4	4520.2	4564.1	4449.1	4338.1	4228.4	4187.1	4210.3
42.5°	4438.8	4432.4	4455.6	4543.4	4662.2	4666.1	4589.9	4527.9	4450.4	4422.0	4444.0
45°	4597.6	4600.2	4635.1	4695.8	4756.4	4724.2	4700.9	4690.6	4629.9	4591.2	4595.0
47.5°	4722.9	4733.2	4788.7	4830.0	4837.8	4783.5	4815.8	4831.3	4781.0	4721.6	4704.8
50°	4833.9	4850.7	4923.0	4966.9	4950.1	4881.7	4944.9	4968.2	4857.1	4743.5	4710.0
52.5°	5035.3	5054.7	5142.5	5199.3	5179.9	5111.5	5170.9	5088.2	4901.0	4761.6	4719.0
55°	5356.8	5365.8	5473.0	5566.0	5556.9	5473.0	5425.2	5241.9	5014.7	4870.0	4830.0
57.5°	5288.4	5303.9	5489.8	5737.7	5877.1	5800.9	5520.8	5208.3	4899.7	4725.4	4671.2
60°	4161.2	4198.7	4429.8	4866.2	5377.5	5376.2	4855.8	4370.4	3998.6	3767.4	3744.2
62.5°	2429.9	2455.7	2666.1	3107.7	3566.0	3594.4	3229.1	2895.9	2570.6	2414.4	2339.5
65°	1150.4	1149.1	1233.0	1431.8	1741.7	1766.2	1656.5	1474.4	1282.1	1229.1	1214.9
67.5°	849.5	849.5	843.1	857.3	916.7	929.6	916.7	887.0	868.9	880.5	872.8
70°	737.2	738.5	730.8	726.9	726.9	723.0	728.2	739.8	747.6	763.0	755.3
72.5°	597.8	599.1	599.1	600.4	601.7	596.5	604.2	610.7	612.0	617.1	612.0
75°	424.8	427.4	435.1	441.6	446.7	446.7	449.3	450.6	445.4	451.9	441.6
77.5°	233.7	236.3	250.5	262.1	273.7	275.0	278.9	281.5	278.9	284.0	276.3
80°	129.1	131.7	138.1	143.3	152.4	160.1	165.3	167.8	167.8	171.7	167.8
82.5°	73.6	76.2	80.0	82.6	90.4	96.8	102.0	105.9	105.9	107.2	104.6
85°	34.9	34.9	37.4	40.0	43.9	46.5	52.9	56.8	56.8	59.4	56.8
87.5°	5.2	6.5	7.7	7.7	10.3	12.9	15.5	16.8	19.4	20.7	20.7
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)