

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: P636040

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636040  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-722-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

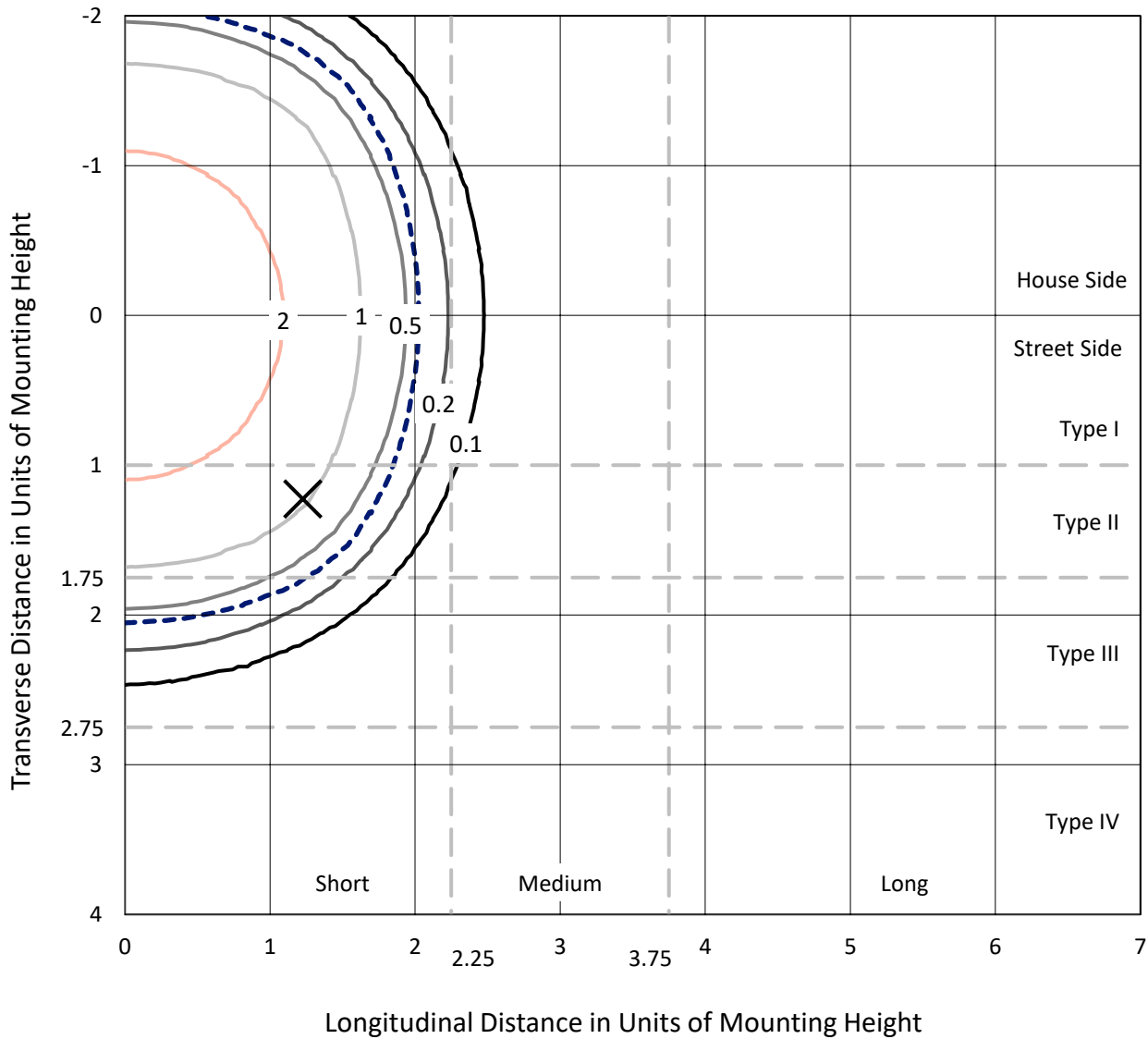
Lumens per Lamp: N/A  
Luminaire Lumens: 15210.4 lumens  
Efficiency: N/A  
Efficacy: 83.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

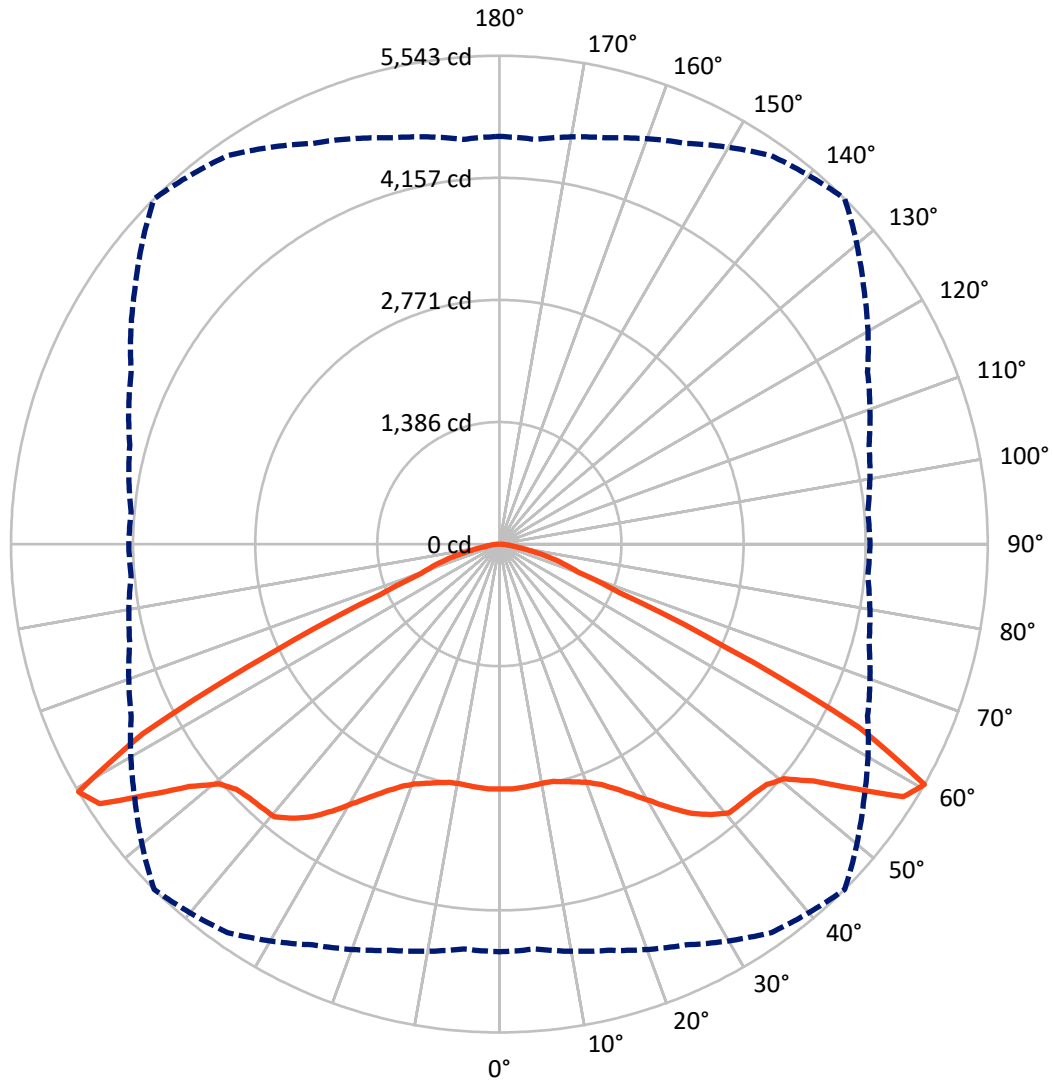
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7605.2	0.0	7605.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7605.2	0.0	7605.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15210.4	0.0	15210.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.6	1.7
10°-20°	792.9	5.2
20°-30°	1402.8	9.2
30°-40°	2258.5	14.8
40°-50°	3104.3	20.4
50°-60°	4136.8	27.2
60°-70°	2578.2	17.0
70°-80°	592.9	3.9
80°-90°	80.4	0.5
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°	15210.4	100.0
0°-180°	15210.4	100.0

**Coefficient of Utilization**



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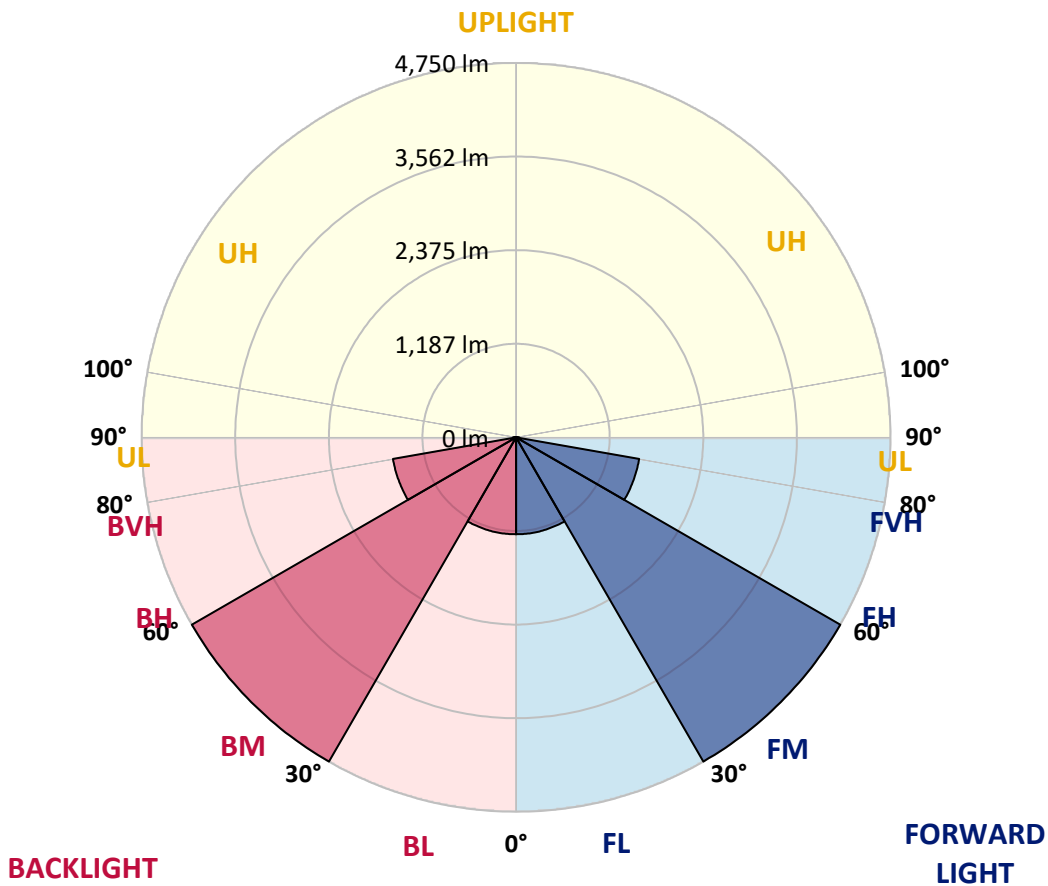
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1229.7	8.1			
FM (30°-60°)	4749.8	31.2			
FH (60°-80°)	1585.5	10.4			G1/1800
FVH (80°-90°)	40.2	0.3			G1/100
BL (0°-30°)	1229.7	8.1	B3/2500		
BM (30°-60°)	4749.8	31.2	B3/5000		
BH (60°-80°)	1585.5	10.4	B3/2500		G1/1800
BVH (80°-90°)	40.2	0.3			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°	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7
2.5°	2760.3	2762.9	2768.1	2771.9	2777.1	2782.3	2784.8	2779.7	2777.1	2766.8	2778.4
5°	2762.9	2765.5	2769.4	2769.4	2770.6	2774.5	2774.5	2768.1	2761.6	2750.0	2762.9
7.5°	2759.0	2761.6	2762.9	2761.6	2762.9	2764.2	2761.6	2753.9	2747.4	2737.1	2747.4
10°	2752.6	2755.1	2757.7	2755.1	2752.6	2756.4	2756.4	2751.3	2747.4	2737.1	2748.7
12.5°	2766.8	2770.6	2771.9	2765.5	2762.9	2764.2	2764.2	2759.0	2759.0	2750.0	2762.9
15°	2800.3	2802.9	2799.0	2791.3	2792.6	2796.5	2787.4	2774.5	2771.9	2768.1	2778.4
17.5°	2826.2	2828.7	2824.9	2819.7	2828.7	2837.8	2821.0	2796.5	2788.7	2786.1	2797.8
20°	2854.6	2858.4	2853.3	2859.7	2877.8	2888.1	2867.5	2833.9	2818.4	2814.5	2828.7
22.5°	2901.0	2906.2	2906.2	2920.4	2947.5	2964.3	2938.5	2893.3	2870.1	2863.6	2877.8
25°	2974.6	2978.5	2982.4	3010.8	3054.7	3077.9	3036.6	2974.6	2942.4	2932.0	2939.8
27.5°	3076.6	3083.1	3089.5	3130.9	3185.1	3218.6	3159.3	3081.8	3041.8	3021.1	3036.6
30°	3198.0	3207.0	3222.5	3269.0	3345.2	3382.6	3306.4	3212.2	3167.0	3145.1	3165.7
32.5°	3363.2	3364.5	3376.2	3427.8	3528.5	3571.1	3475.6	3371.0	3324.5	3298.7	3310.3
35°	3559.5	3560.8	3542.7	3595.6	3704.1	3751.9	3639.5	3533.7	3494.9	3487.2	3516.9
37.5°	3760.9	3749.3	3731.2	3754.4	3864.2	3895.2	3776.4	3686.0	3669.2	3683.4	3727.3
40°	3904.2	3884.8	3848.7	3865.5	3976.5	4012.7	3886.1	3800.9	3795.8	3830.6	3883.5
42.5°	3997.2	3976.5	3933.9	3933.9	4010.1	4025.6	3927.4	3882.3	3893.9	3933.9	3984.2
45°	4042.3	4030.7	4006.2	3993.3	4035.9	4042.3	3967.5	3949.4	3971.3	3990.7	4029.4
47.5°	4077.2	4077.2	4069.5	4056.5	4075.9	4079.8	4024.3	4019.1	4047.5	4047.5	4073.3
50°	4139.2	4145.6	4156.0	4153.4	4174.0	4186.9	4145.6	4137.9	4149.5	4112.1	4125.0
52.5°	4301.9	4318.6	4348.3	4371.6	4424.5	4464.5	4390.9	4329.0	4268.3	4185.7	4188.2
55°	4593.6	4601.4	4659.5	4727.9	4817.0	4898.3	4747.3	4554.9	4423.2	4326.4	4327.7
57.5°	4840.2	4851.9	4937.1	5080.4	5280.5	5407.0	5072.6	4751.1	4565.2	4446.5	4450.3
60°	4627.2	4611.7	4773.1	5018.4	5381.2	5542.6	5049.4	4610.4	4343.2	4196.0	4206.3
62.5°	3580.1	3550.4	3729.9	3986.8	4421.9	4583.3	4128.8	3708.0	3454.9	3340.0	3323.2
65°	2179.3	2152.2	2281.3	2438.8	2733.2	2835.2	2627.3	2404.0	2183.2	2113.5	2094.1
67.5°	1186.5	1182.6	1217.5	1294.9	1424.1	1471.8	1431.8	1325.9	1269.1	1220.1	1220.1
70°	941.2	933.4	927.0	928.3	939.9	946.4	947.6	942.5	948.9	950.2	945.1
72.5°	779.8	777.2	764.3	765.6	760.4	757.9	766.9	772.1	782.4	783.7	783.7
75°	565.5	559.0	565.5	566.8	561.6	561.6	568.1	566.8	571.9	574.5	560.3
77.5°	321.5	321.5	330.5	340.8	348.6	348.6	355.0	355.0	361.5	360.2	357.6
80°	176.9	176.9	182.0	188.5	196.2	204.0	210.4	211.7	215.6	214.3	210.4
82.5°	100.7	102.0	104.6	108.5	116.2	122.7	129.1	130.4	134.3	134.3	130.4
85°	47.8	46.5	47.8	50.4	54.2	59.4	65.8	69.7	72.3	72.3	69.7
87.5°	9.0	10.3	9.0	10.3	11.6	15.5	18.1	20.7	24.5	25.8	23.2
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)