

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: P635325

Luminaire Tested: GWS-SA3D-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635325  
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-SA3D-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

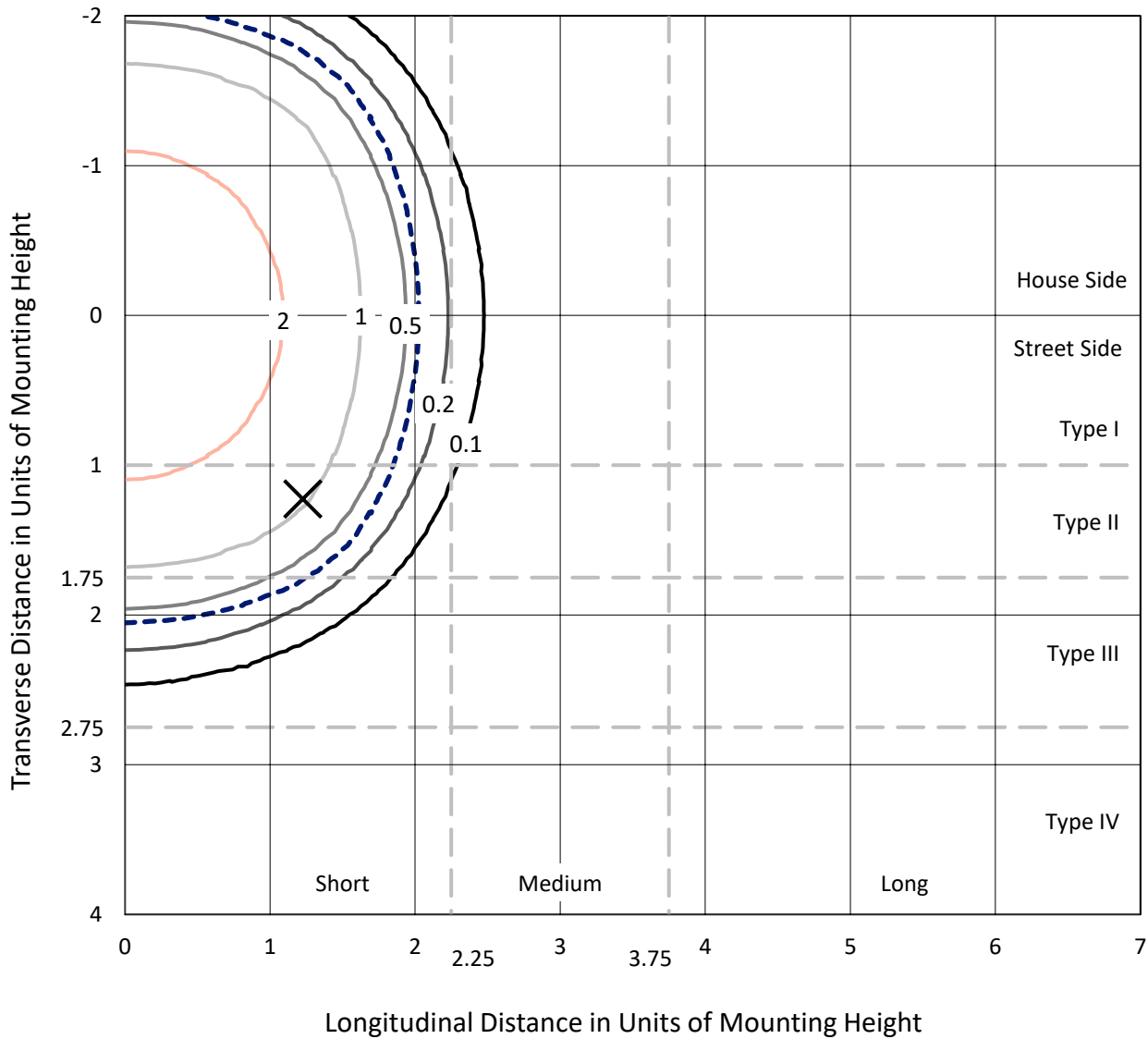
Lumens per Lamp: N/A  
Luminaire Lumens: 15203 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

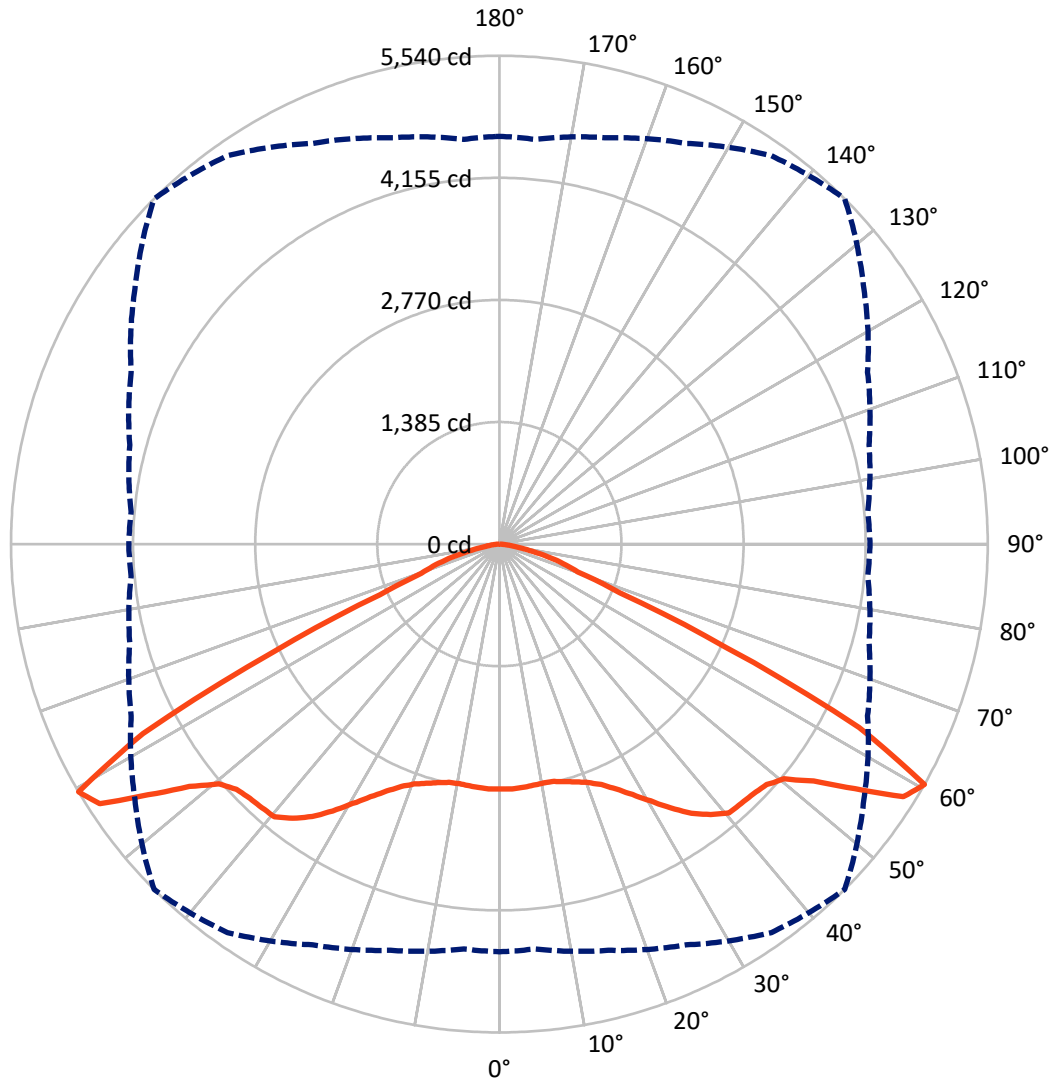
✕ Max cd  
 - - - 1/2 Max cd



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	7601.5	0.0	7601.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7601.5	0.0	7601.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15203.0	0.0	15203.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.5	1.7
10°-20°	792.5	5.2
20°-30°	1402.1	9.2
30°-40°	2257.4	14.8
40°-50°	3102.8	20.4
50°-60°	4134.8	27.2
60°-70°	2577.0	17.0
70°-80°	592.6	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°	15203.0	100.0
0°-180°	15203.0	100.0

**Coefficient of Utilization**



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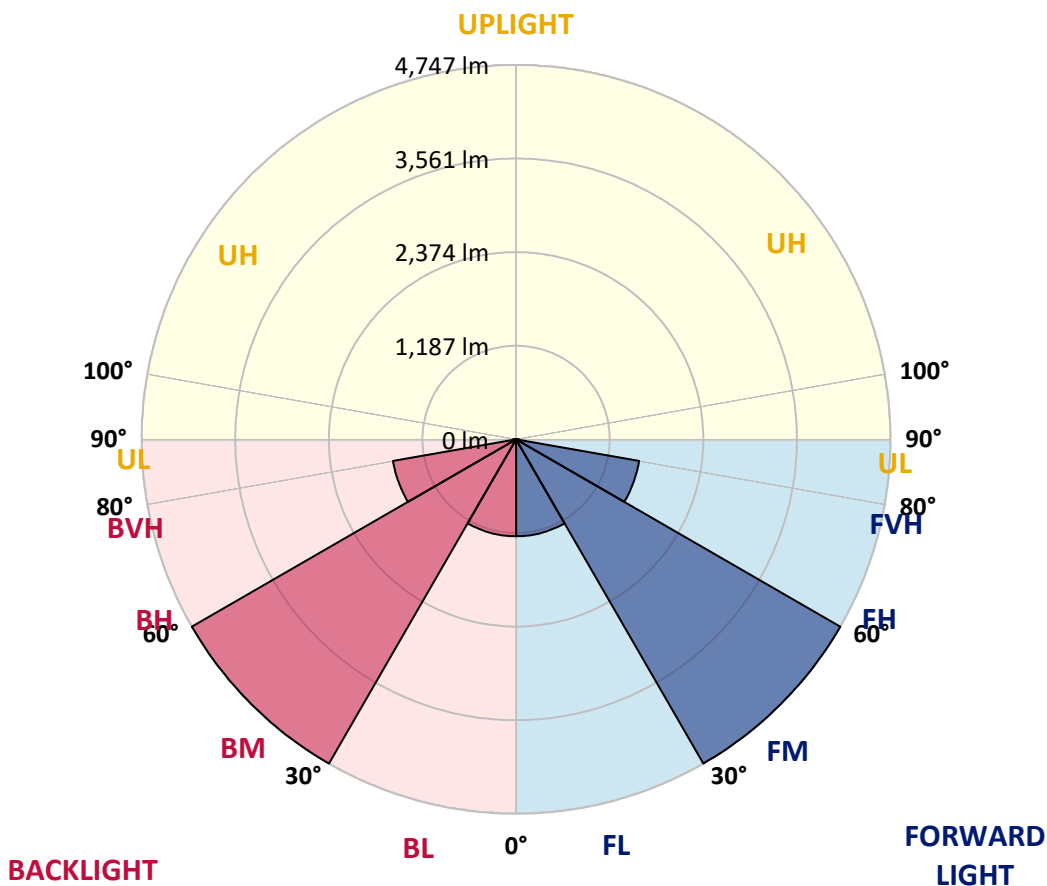
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1229.1	8.1			
FM (30°-60°)	4747.5	31.2			
FH (60°-80°)	1584.8	10.4			G1/1800
FVH (80°-90°)	40.2	0.3			G1/100
BL (0°-30°)	1229.1	8.1	B3/2500		
BM (30°-60°)	4747.5	31.2	B3/5000		
BH (60°-80°)	1584.8	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°	2778.3	2778.3	2778.3	2778.3	2778.3	2778.3	2778.3	2778.3	2778.3	2778.3	2778.3
2.5°	2759.0	2761.6	2766.7	2770.6	2775.7	2780.9	2783.5	2778.3	2775.7	2765.4	2777.0
5°	2761.6	2764.1	2768.0	2768.0	2769.3	2773.2	2773.2	2766.7	2760.3	2748.6	2761.6
7.5°	2757.7	2760.3	2761.6	2760.3	2761.6	2762.8	2760.3	2752.5	2746.1	2735.7	2746.1
10°	2751.2	2753.8	2756.4	2753.8	2751.2	2755.1	2755.1	2749.9	2746.1	2735.7	2747.4
12.5°	2765.4	2769.3	2770.6	2764.1	2761.6	2762.8	2762.8	2757.7	2757.7	2748.6	2761.6
15°	2799.0	2801.6	2797.7	2789.9	2791.2	2795.1	2786.1	2773.2	2770.6	2766.7	2777.0
17.5°	2824.8	2827.4	2823.5	2818.3	2827.4	2836.4	2819.6	2795.1	2787.4	2784.8	2796.4
20°	2853.2	2857.0	2851.9	2858.3	2876.4	2886.7	2866.1	2832.5	2817.0	2813.2	2827.4
22.5°	2899.6	2904.8	2904.8	2919.0	2946.1	2962.9	2937.1	2891.9	2868.7	2862.2	2876.4
25°	2973.2	2977.1	2980.9	3009.3	3053.2	3076.4	3035.1	2973.2	2940.9	2930.6	2938.3
27.5°	3075.1	3081.6	3088.0	3129.3	3183.5	3217.1	3157.7	3080.3	3040.3	3019.6	3035.1
30°	3196.4	3205.5	3220.9	3267.4	3343.5	3381.0	3304.8	3210.6	3165.5	3143.5	3164.2
32.5°	3361.6	3362.9	3374.5	3426.1	3526.8	3569.4	3473.9	3369.3	3322.9	3297.1	3308.7
35°	3557.8	3559.0	3541.0	3593.9	3702.3	3750.0	3637.8	3531.9	3493.2	3485.5	3515.2
37.5°	3759.1	3747.5	3729.4	3752.6	3862.3	3893.3	3774.5	3684.2	3667.4	3681.6	3725.5
40°	3902.3	3882.9	3846.8	3863.6	3974.6	4010.7	3884.2	3799.1	3793.9	3828.7	3881.7
42.5°	3995.2	3974.6	3932.0	3932.0	4008.1	4023.6	3925.5	3880.4	3892.0	3932.0	3982.3
45°	4040.4	4028.8	4004.2	3991.3	4033.9	4040.4	3965.5	3947.5	3969.4	3988.8	4027.5
47.5°	4075.2	4075.2	4067.5	4054.6	4073.9	4077.8	4022.3	4017.2	4045.5	4045.5	4071.4
50°	4137.2	4143.6	4153.9	4151.4	4172.0	4184.9	4143.6	4135.9	4147.5	4110.1	4123.0
52.5°	4299.8	4316.5	4346.2	4369.4	4422.4	4462.4	4388.8	4326.9	4266.2	4183.6	4186.2
55°	4591.4	4599.1	4657.2	4725.6	4814.6	4895.9	4745.0	4552.7	4421.1	4324.3	4325.6
57.5°	4837.9	4849.5	4934.7	5077.9	5277.9	5404.4	5070.2	4748.8	4563.0	4444.3	4448.2
60°	4625.0	4609.5	4770.8	5016.0	5378.6	5539.9	5046.9	4608.2	4341.1	4193.9	4204.3
62.5°	3578.4	3548.7	3728.1	3984.9	4419.8	4581.1	4126.8	3706.2	3453.2	3338.4	3321.6
65°	2178.3	2151.2	2280.2	2437.6	2731.9	2833.8	2626.1	2402.8	2182.1	2112.5	2093.1
67.5°	1185.9	1182.0	1216.9	1294.3	1423.4	1471.1	1431.1	1325.3	1268.5	1219.5	1219.5
70°	940.7	933.0	926.5	927.8	939.4	945.9	947.2	942.0	948.5	949.8	944.6
72.5°	779.4	776.8	763.9	765.2	760.1	757.5	766.5	771.7	782.0	783.3	783.3
75°	565.2	558.8	565.2	566.5	561.3	561.3	567.8	566.5	571.7	574.2	560.1
77.5°	321.3	321.3	330.4	340.7	348.4	348.4	354.9	354.9	361.3	360.0	357.5
80°	176.8	176.8	182.0	188.4	196.1	203.9	210.3	211.6	215.5	214.2	210.3
82.5°	100.7	101.9	104.5	108.4	116.1	122.6	129.0	130.3	134.2	134.2	130.3
85°	47.7	46.5	47.7	50.3	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	20.6	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)