

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: P637850

Luminaire Tested: GWS-SA4D-760-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637850  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4D-760-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (64) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

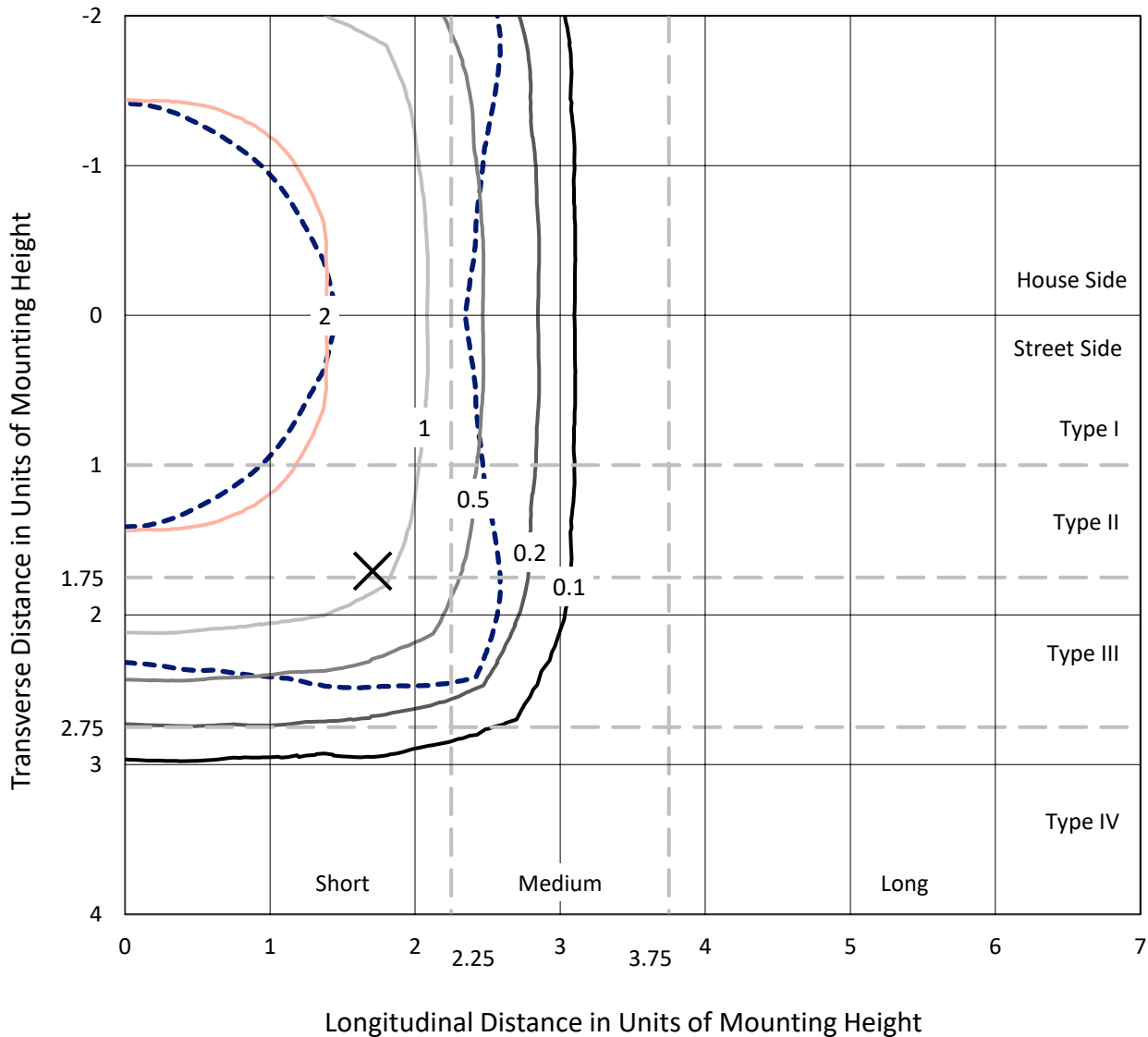
Lumens per Lamp: N/A  
Luminaire Lumens: 25586.2 lumens  
Efficiency: N/A  
Efficacy: 157.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

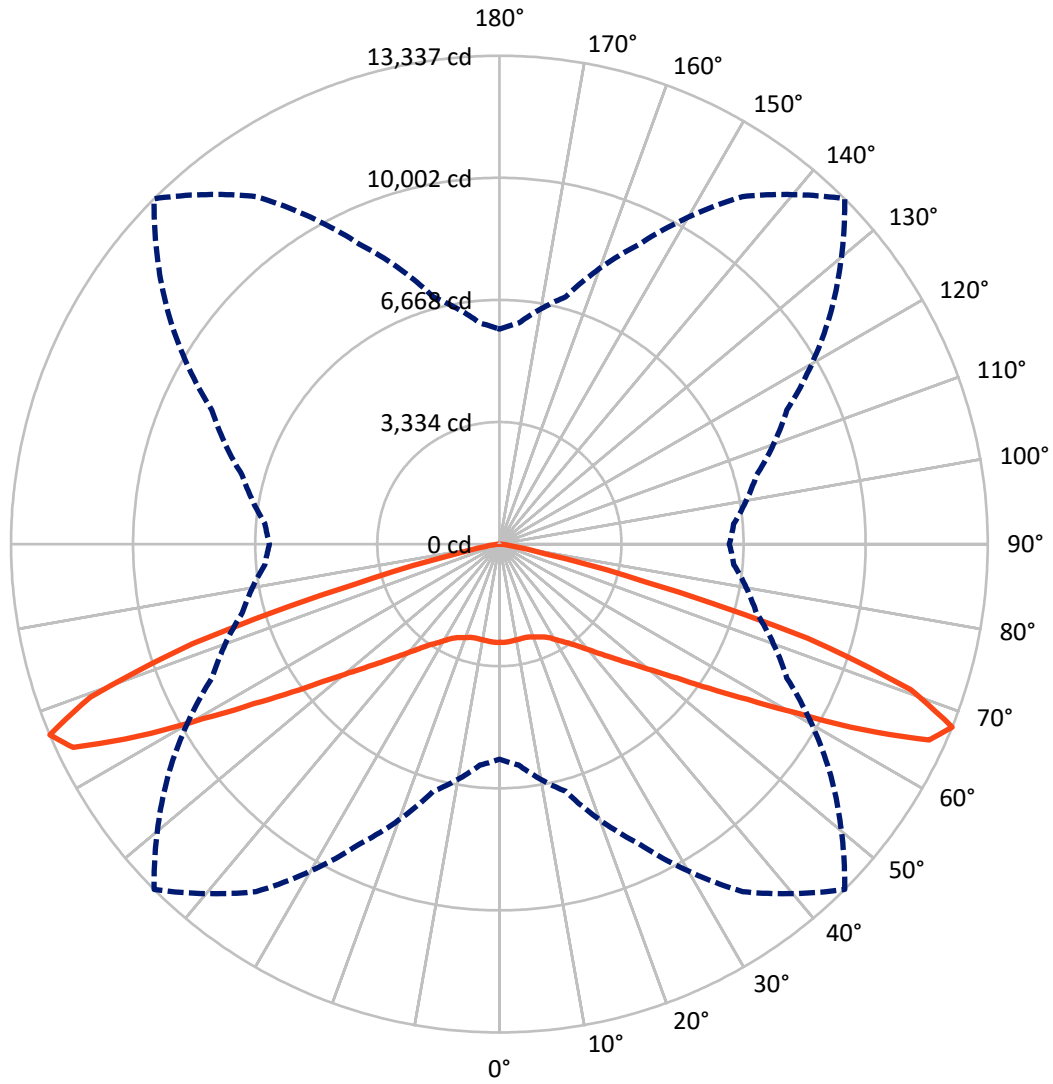
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12793.1	0.0	12793.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12793.1	0.0	12793.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25586.2	0.0	25586.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.6	1.0
10°-20°	744.9	2.9
20°-30°	1284.8	5.0
30°-40°	2089.1	8.2
40°-50°	3517.6	13.7
50°-60°	6232.5	24.4
60°-70°	8909.0	34.8
70°-80°	2445.1	9.6
80°-90°	109.5	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°	25586.2	100.0
0°-180°	25586.2	100.0

**Coefficient of Utilization**



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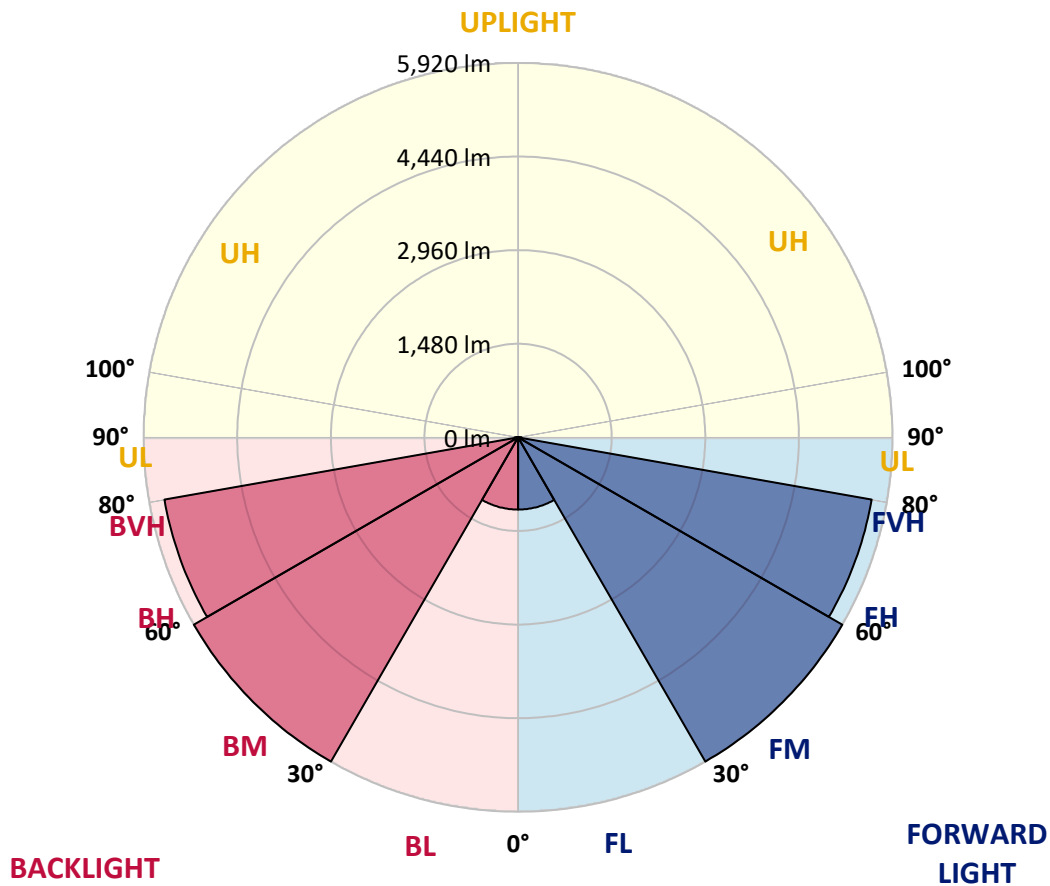
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1141.7	4.5			
FM (30°-60°)	5919.6	23.1			
FH (60°-80°)	5677.1	22.2			G3/7500
FVH (80°-90°)	54.8	0.2			G1/100
BL (0°-30°)	1141.7	4.5	B3/2500		
BM (30°-60°)	5919.6	23.1	B4/8500		
BH (60°-80°)	5677.1	22.2	B5		G3/7500
BVH (80°-90°)	54.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2679.7	2679.7	2679.7	2679.7	2679.7	2679.7	2679.7	2679.7	2679.7	2679.7	2679.7
2.5°	2662.0	2660.2	2669.1	2674.4	2672.6	2685.0	2683.2	2679.7	2679.7	2674.4	2688.6
5°	2662.0	2660.2	2667.3	2669.1	2665.5	2676.2	2672.6	2669.1	2669.1	2662.0	2674.4
7.5°	2647.8	2649.6	2654.9	2658.5	2654.9	2663.8	2658.5	2651.4	2649.6	2642.5	2654.9
10°	2621.3	2623.0	2628.3	2637.2	2639.0	2654.9	2646.1	2633.7	2628.3	2621.3	2633.7
12.5°	2605.3	2607.1	2612.4	2623.0	2626.6	2647.8	2639.0	2619.5	2610.6	2603.5	2615.9
15°	2601.8	2603.5	2610.6	2621.3	2626.6	2647.8	2639.0	2615.9	2603.5	2594.7	2605.3
17.5°	2601.8	2605.3	2615.9	2631.9	2642.5	2663.8	2653.1	2626.6	2608.9	2592.9	2603.5
20°	2603.5	2608.9	2624.8	2647.8	2674.4	2704.5	2690.3	2654.9	2630.1	2610.6	2617.7
22.5°	2619.5	2628.3	2647.8	2677.9	2716.9	2752.3	2739.9	2692.1	2656.7	2630.1	2637.2
25°	2674.4	2677.9	2702.7	2741.7	2778.9	2809.0	2796.6	2752.3	2708.0	2676.2	2685.0
27.5°	2771.8	2780.7	2801.9	2842.6	2874.5	2890.5	2888.7	2858.6	2814.3	2786.0	2793.1
30°	2888.7	2897.6	2925.9	2971.9	3003.8	3021.5	3016.2	2993.2	2952.5	2913.5	2920.6
32.5°	3025.1	3028.6	3062.3	3113.6	3147.3	3173.8	3156.1	3131.3	3080.0	3033.9	3037.5
35°	3198.6	3204.0	3239.4	3287.2	3313.8	3335.0	3331.5	3306.7	3251.8	3202.2	3214.6
37.5°	3416.5	3420.0	3451.9	3512.1	3533.4	3549.3	3552.9	3540.5	3483.8	3420.0	3432.4
40°	3687.5	3689.2	3724.7	3777.8	3800.8	3811.4	3813.2	3815.0	3756.5	3708.7	3705.2
42.5°	4002.7	4011.6	4061.2	4112.5	4123.2	4117.9	4135.6	4153.3	4096.6	4031.1	4036.4
45°	4380.0	4385.3	4452.6	4509.3	4489.8	4472.1	4505.7	4541.2	4489.8	4404.8	4380.0
47.5°	4826.3	4836.9	4909.5	4966.2	4934.3	4902.5	4957.4	4994.6	4911.3	4821.0	4798.0
50°	5331.1	5338.2	5440.9	5511.7	5474.5	5416.1	5485.2	5524.1	5412.5	5301.0	5251.4
52.5°	5927.9	5913.8	6050.1	6174.1	6151.1	6074.9	6131.6	6138.7	5972.2	5814.6	5765.0
55°	6655.9	6641.7	6778.1	6914.5	6971.1	6951.6	6925.1	6882.6	6636.4	6468.1	6422.1
57.5°	7504.2	7460.0	7651.2	7835.4	7959.4	7994.8	7881.5	7782.3	7587.5	7380.3	7327.1
60°	8292.4	8290.6	8593.5	8912.3	9252.3	9394.0	9107.1	8837.9	8400.4	8023.2	7947.0
62.5°	8513.8	8551.0	9046.9	9836.8	10676.3	11177.5	10421.3	9530.4	8685.6	8117.0	8016.1
65°	7968.3	8060.4	8765.3	10012.1	11669.9	12895.5	11188.2	9546.3	8368.5	7660.1	7553.8
67.5°	5873.0	6057.2	6990.6	9034.5	11584.9	13336.5	11051.8	8662.5	7268.7	6425.6	6278.6
70°	2897.6	3072.9	3813.2	5943.9	9532.2	11921.4	9562.3	6528.3	4909.5	4098.4	3963.8
72.5°	1066.2	1137.1	1427.5	2543.3	5260.2	8806.0	6539.0	3646.7	2378.6	1893.3	1803.0
75°	522.5	534.9	579.2	853.7	1941.1	4144.4	3072.9	1399.2	874.9	761.6	736.8
77.5°	333.0	338.3	359.5	407.4	623.4	1305.3	931.6	552.6	428.6	410.9	410.9
80°	186.0	191.3	219.6	253.3	292.2	448.1	334.7	331.2	281.6	246.2	240.9
82.5°	88.6	97.4	139.9	138.1	154.1	224.9	196.6	178.9	180.7	136.4	129.3
85°	40.7	40.7	54.9	65.5	69.1	76.2	90.3	102.7	101.0	69.1	74.4
87.5°	19.5	19.5	19.5	17.7	15.9	14.2	19.5	31.9	46.0	31.9	30.1
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)