

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: P642749

Luminaire Tested: GWS-SA6D-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642749  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-750-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19283.3 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 245.7  
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

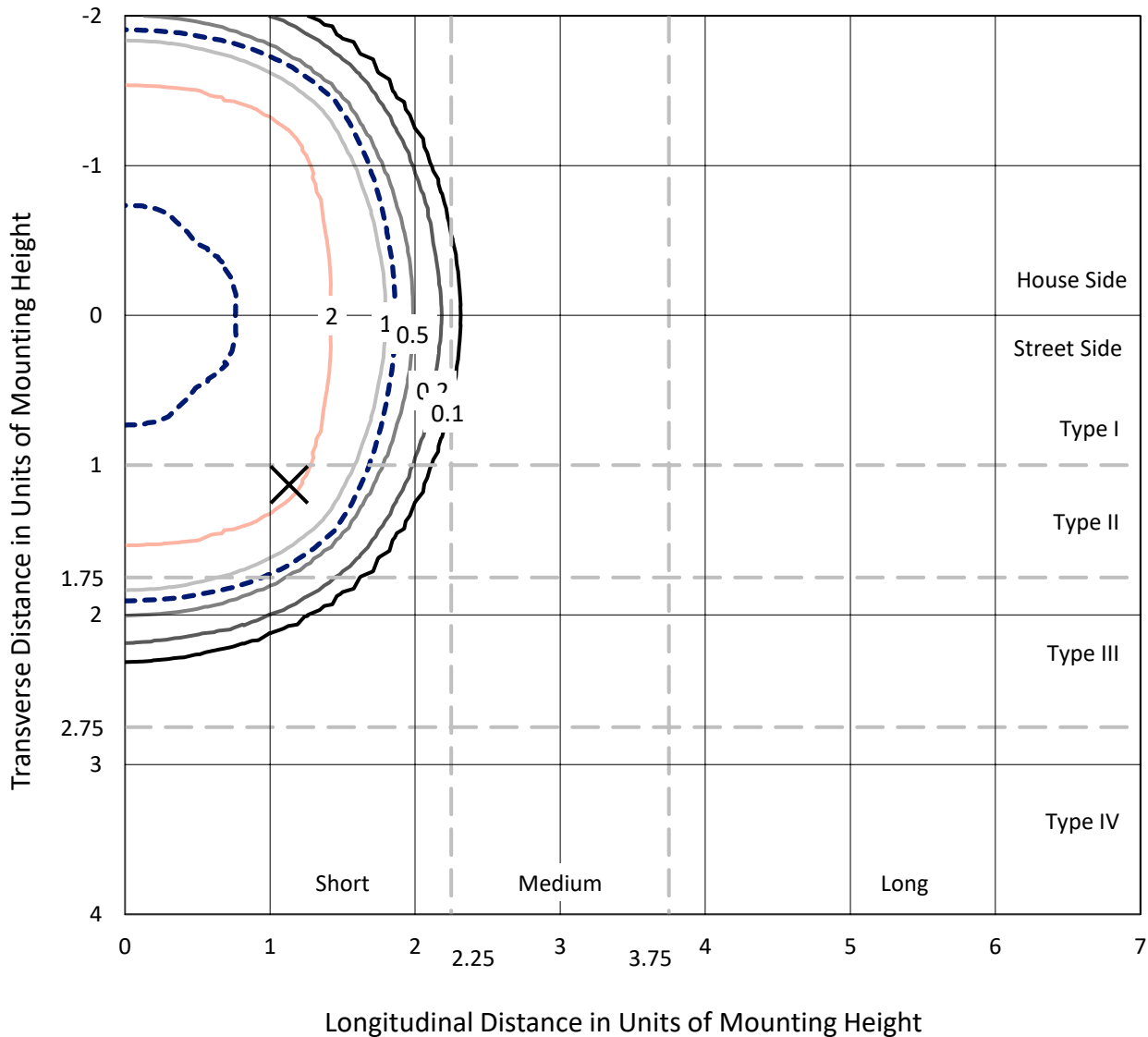


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### Iso-Footcandle Lines of Horizontal Illumination

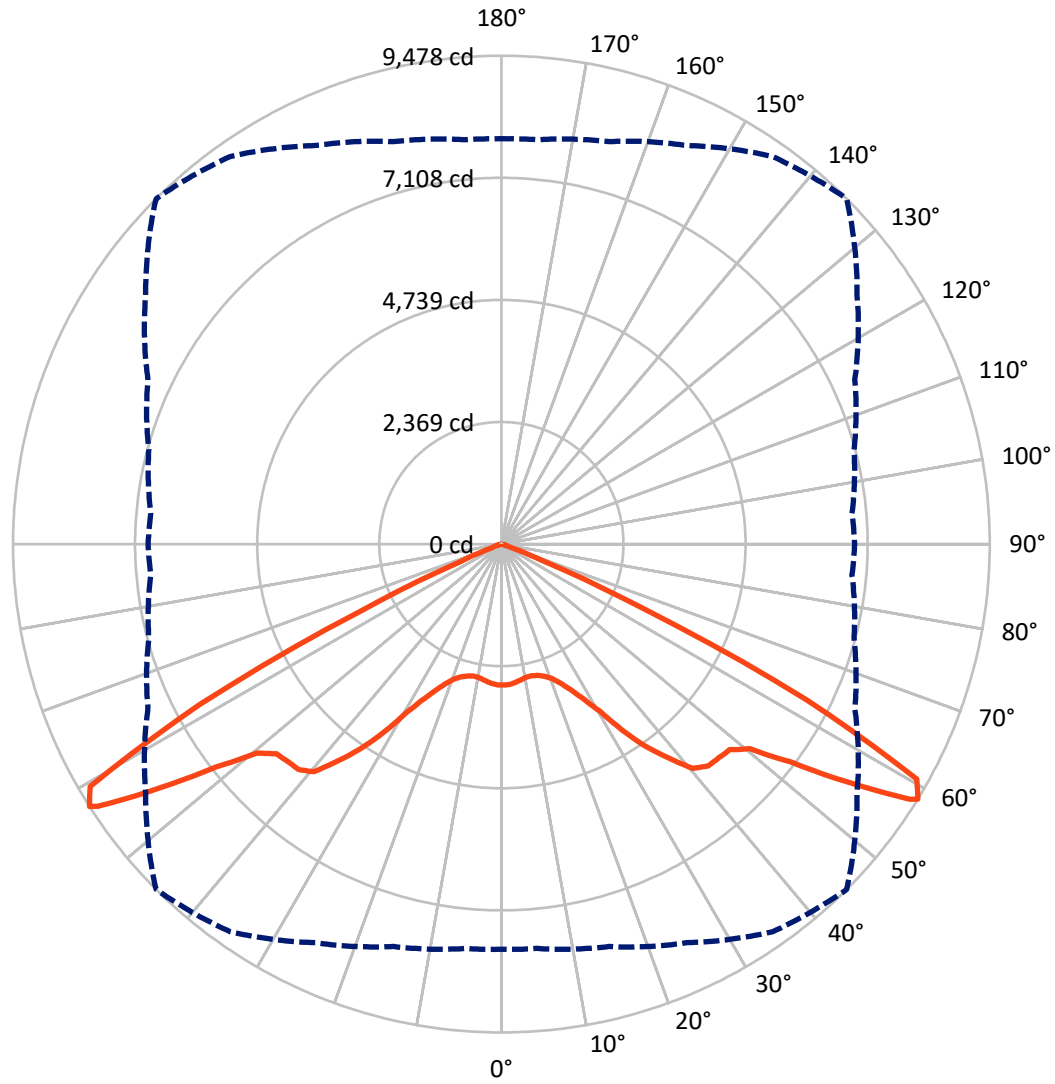
✕ Max cd  
 - - - 1/2 Max cd



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 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9641.6	0.0	9641.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9641.6	0.0	9641.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19283.3	0.0	19283.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.2	1.3
10°-20°	754.9	3.9
20°-30°	1427.8	7.4
30°-40°	2816.0	14.6
40°-50°	4456.3	23.1
50°-60°	6550.5	34.0
60°-70°	2923.9	15.2
70°-80°	98.0	0.5
80°-90°	0.8	0.0
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°	19283.3	100.0
0°-180°	19283.3	100.0

**Coefficient of Utilization**



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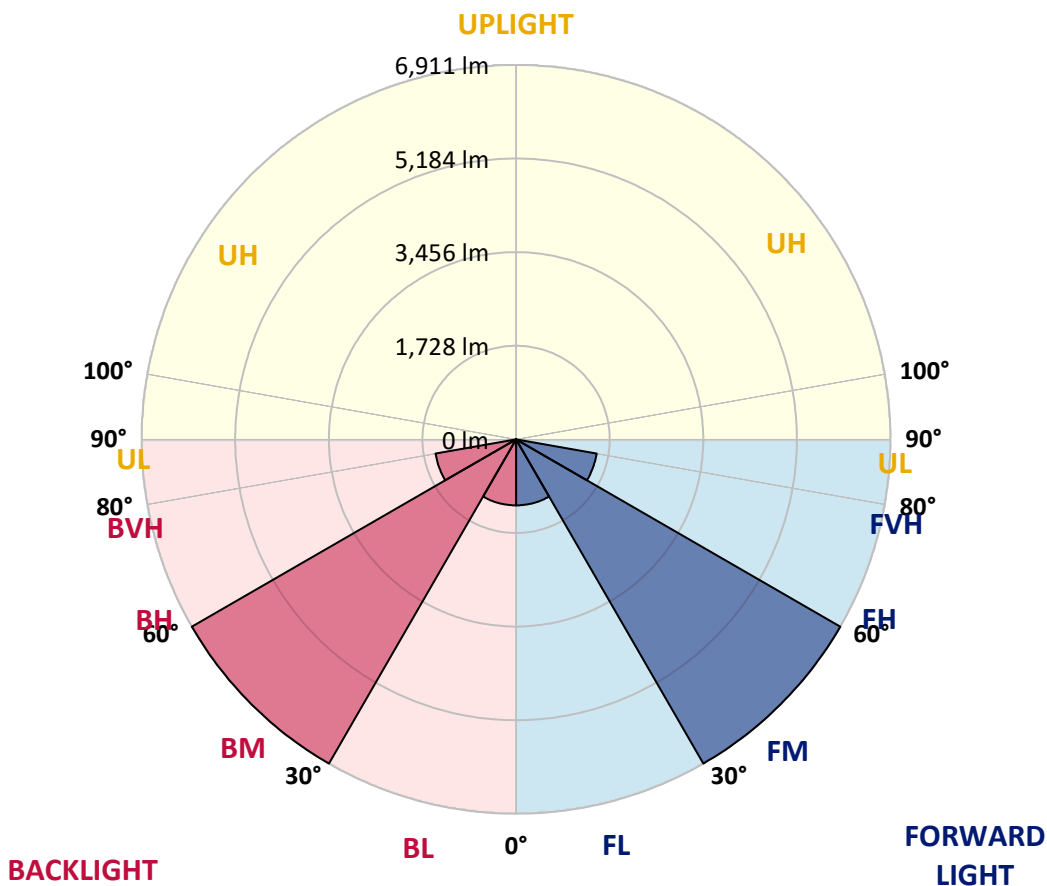
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1219.0	6.3			
FM (30°-60°)	6911.4	35.8			
FH (60°-80°)	1510.9	7.8			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1219.0	6.3	B3/2500		
BM (30°-60°)	6911.4	35.8	B4/8500		
BH (60°-80°)	1510.9	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.4	0.0			G0/10
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2734.6	2734.6	2734.6	2734.6	2734.6	2734.6	2734.6	2734.6	2734.6	2734.6	2734.6
2.5°	2708.4	2713.6	2718.9	2721.5	2724.1	2732.0	2734.6	2726.7	2726.7	2711.0	2729.4
5°	2695.2	2700.5	2705.7	2703.1	2703.1	2703.1	2700.5	2690.0	2687.3	2671.6	2690.0
7.5°	2671.6	2676.8	2676.8	2669.0	2663.7	2663.7	2661.1	2647.9	2645.3	2629.6	2647.9
10°	2653.2	2655.8	2653.2	2637.4	2626.9	2626.9	2624.3	2619.0	2621.7	2611.2	2626.9
12.5°	2663.7	2666.3	2655.8	2634.8	2621.7	2619.0	2611.2	2603.3	2611.2	2608.5	2624.3
15°	2697.9	2700.5	2682.1	2655.8	2645.3	2645.3	2624.3	2603.3	2613.8	2616.4	2634.8
17.5°	2739.9	2739.9	2716.2	2692.6	2695.2	2695.2	2661.1	2624.3	2626.9	2637.4	2655.8
20°	2789.8	2789.8	2766.2	2760.9	2779.3	2781.9	2739.9	2682.1	2669.0	2676.8	2697.9
22.5°	2879.1	2879.1	2860.7	2873.9	2915.9	2929.0	2866.0	2784.5	2753.0	2758.3	2779.3
25°	3018.3	3018.3	3013.1	3044.6	3105.0	3133.9	3049.9	2942.2	2889.6	2881.7	2905.4
27.5°	3252.1	3254.8	3246.9	3294.2	3370.3	3404.5	3288.9	3147.1	3084.0	3070.9	3094.5
30°	3554.2	3554.2	3556.9	3622.5	3722.4	3767.0	3614.6	3449.2	3375.6	3333.6	3365.1
32.5°	3890.5	3895.7	3922.0	4032.3	4208.3	4300.3	4077.0	3845.8	3727.6	3682.9	3717.1
35°	4444.8	4394.8	4363.3	4444.8	4699.6	4820.4	4534.1	4263.5	4174.2	4168.9	4255.6
37.5°	4993.8	4964.9	4899.2	4983.3	5211.8	5267.0	4951.8	4725.8	4662.8	4696.9	4783.6
40°	5429.9	5377.3	5290.6	5369.4	5668.9	5724.1	5335.3	5112.0	5088.4	5164.5	5282.7
42.5°	5774.0	5700.4	5584.8	5603.2	5844.9	5884.3	5540.2	5372.1	5387.8	5482.4	5616.4
45°	5929.0	5871.2	5768.7	5760.8	5913.2	5915.8	5645.3	5558.6	5600.6	5674.2	5779.2
47.5°	5994.6	5968.4	5910.6	5897.4	5984.1	5963.1	5795.0	5758.2	5797.6	5818.6	5879.1
50°	6157.5	6157.5	6165.4	6175.9	6265.2	6244.2	6126.0	6084.0	6034.0	5960.5	5978.9
52.5°	6614.6	6633.0	6709.2	6793.2	6956.1	7024.4	6832.6	6588.3	6349.3	6189.0	6189.0
55°	7439.5	7457.8	7547.2	7689.0	7988.5	8151.3	7704.8	7166.3	6837.9	6619.9	6648.7
57.5°	7893.9	7914.9	8098.8	8482.3	9062.9	9338.7	8379.9	7581.3	7121.6	6872.0	6893.1
58°	7865.0	7878.1	8085.7	8534.9	9181.1	9477.9	8427.2	7568.2	7084.8	6830.0	6856.3
60°	6987.6	6969.2	7300.2	7941.2	8852.7	9262.5	7957.0	6908.8	6346.7	6086.6	6099.7
62.5°	4568.2	4578.7	4865.1	5534.9	6244.2	6630.4	5558.6	4778.4	4326.5	4168.9	4129.5
65°	1907.1	1873.0	2049.0	2422.0	2847.6	3063.0	2632.2	2227.6	1949.2	1844.1	1873.0
67.5°	491.2	478.1	488.6	612.1	748.7	885.3	743.4	567.4	493.9	499.1	499.1
70°	278.5	262.7	212.8	197.0	191.8	191.8	191.8	191.8	220.7	260.1	267.9
72.5°	210.2	197.0	155.0	134.0	118.2	110.3	115.6	134.0	160.2	194.4	199.6
75°	105.1	105.1	94.6	89.3	78.8	73.6	76.2	84.1	97.2	110.3	107.7
77.5°	21.0	23.6	26.3	31.5	26.3	26.3	26.3	31.5	31.5	34.2	31.5
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	0.0	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)