

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: P633339

Luminaire Tested: GWS-SA2E-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633339  
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-SA2E-750-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13068.5 lumens  
Efficiency: N/A  
Efficacy: 120.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 108.2  
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

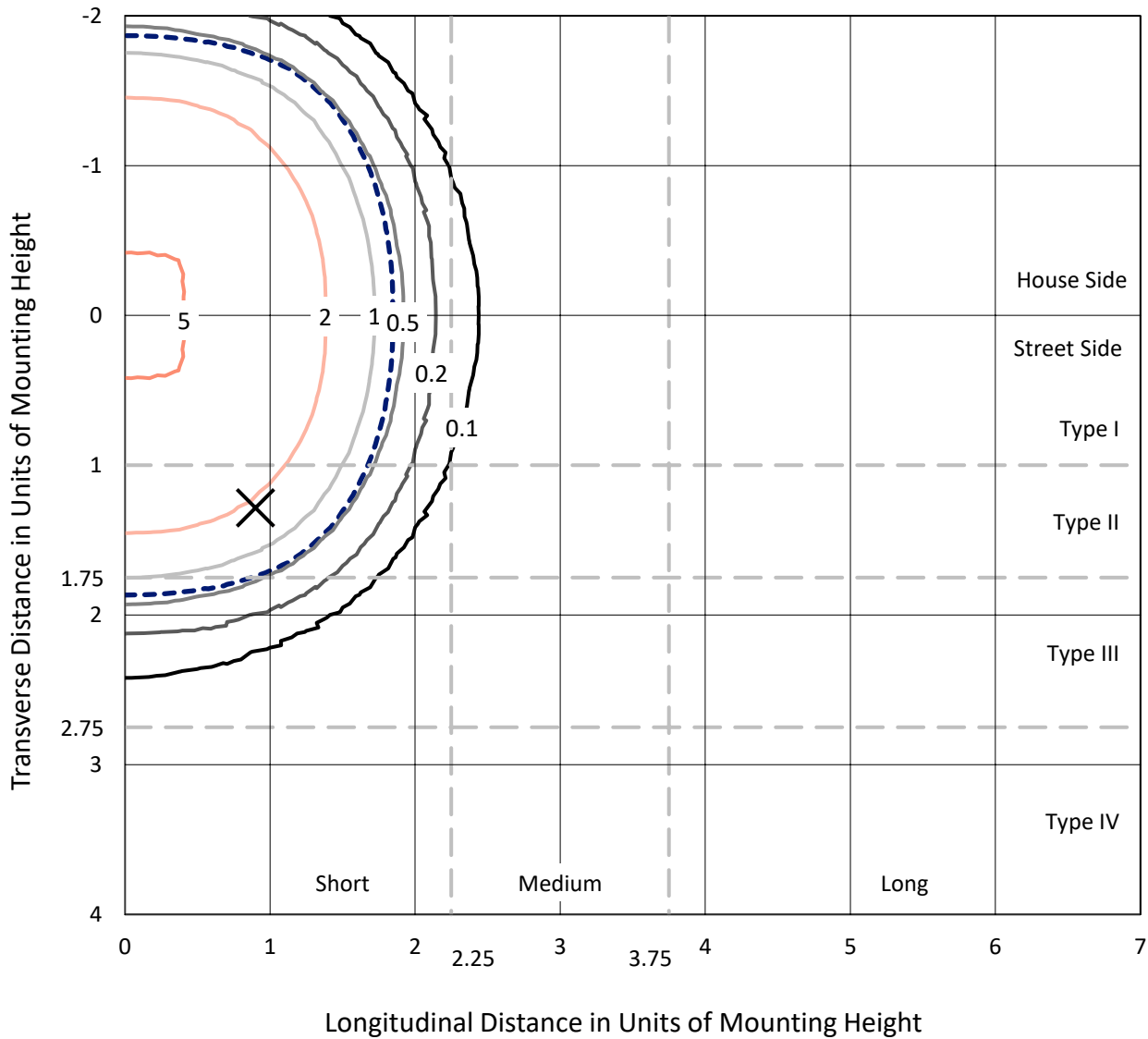


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### Iso-Footcandle Lines of Horizontal Illumination

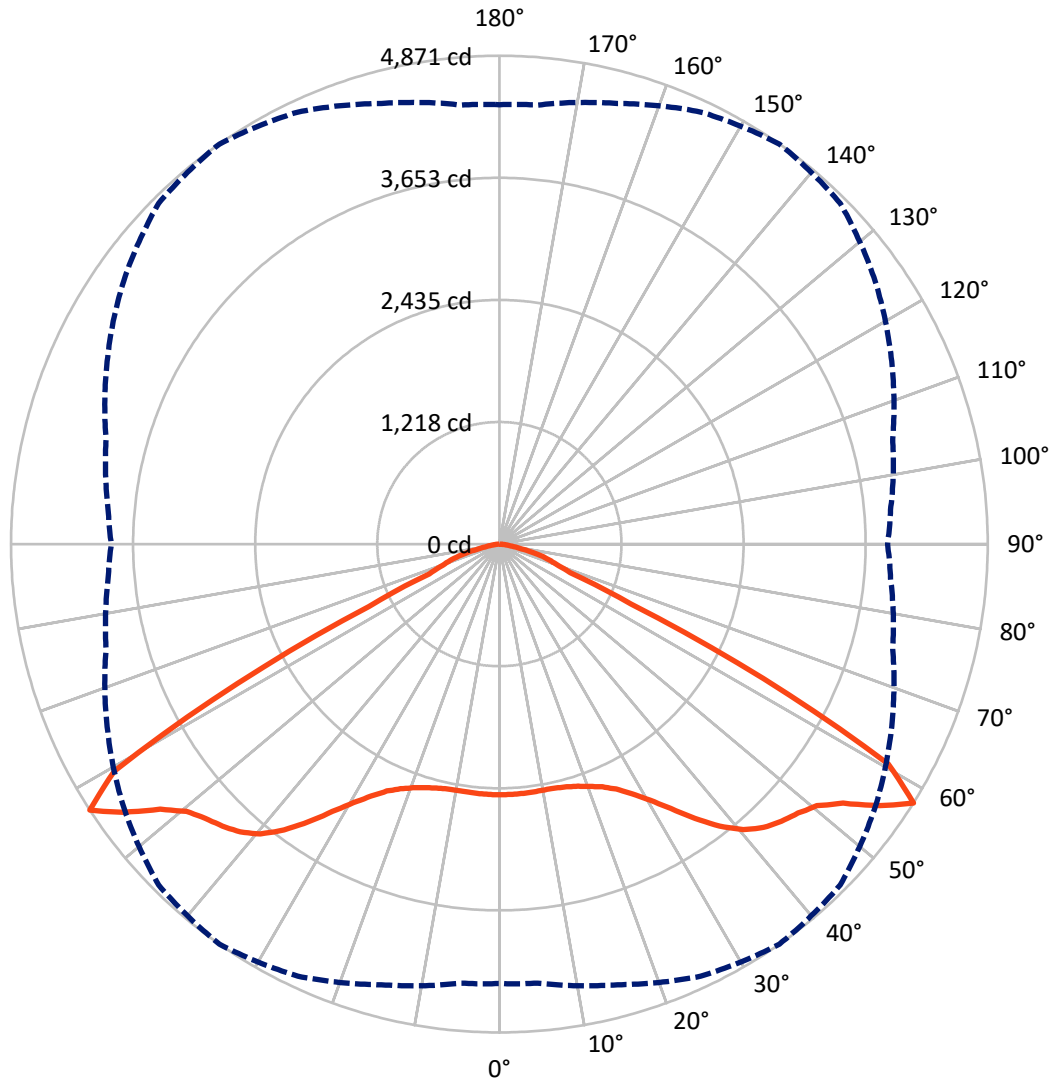
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6534.2	0.0	6534.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6534.2	0.0	6534.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13068.5	0.0	13068.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.9	1.8
10°-20°	709.7	5.4
20°-30°	1238.3	9.5
30°-40°	2030.6	15.5
40°-50°	2990.6	22.9
50°-60°	3816.5	29.2
60°-70°	1608.4	12.3
70°-80°	384.2	2.9
80°-90°	52.3	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°	13068.5	100.0
0°-180°	13068.5	100.0

**Coefficient of Utilization**



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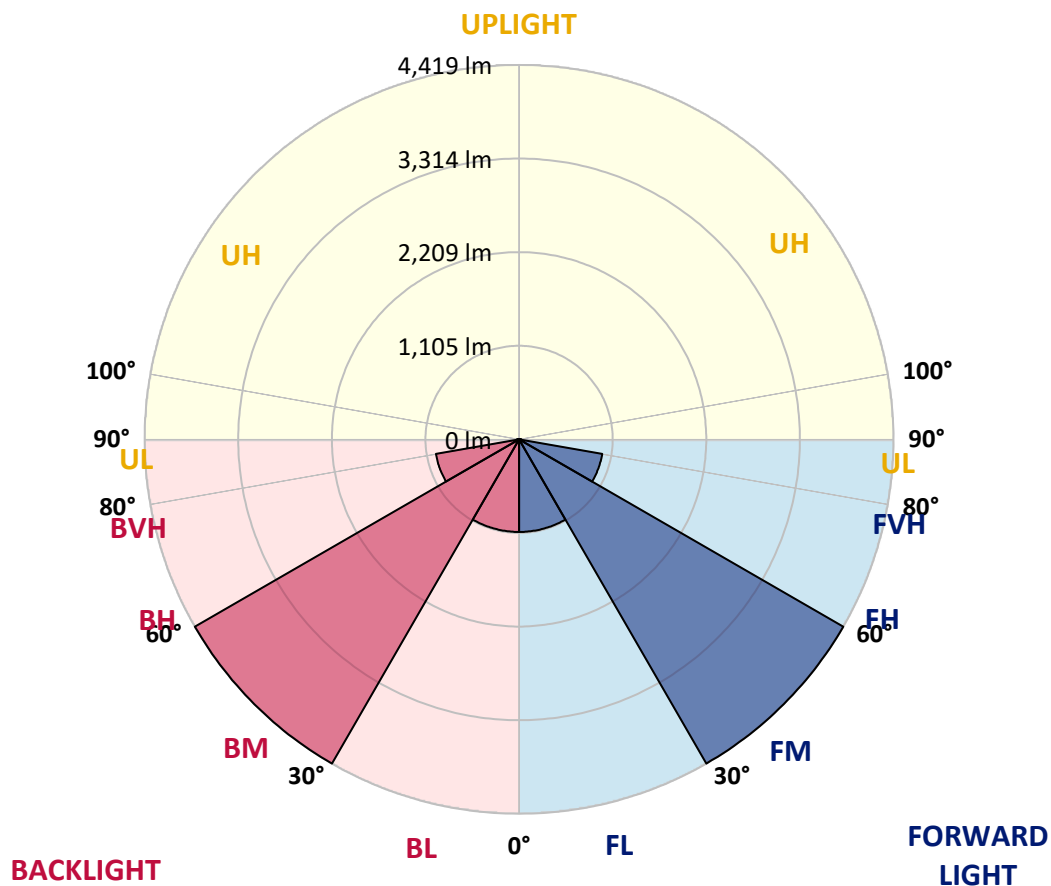
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1093.0	8.4			
FM (30°-60°)	4418.8	33.8			
FH (60°-80°)	996.3	7.6			G1/1800
FVH (80°-90°)	26.1	0.2			G1/100
BL (0°-30°)	1093.0	8.4	B3/2500		
BM (30°-60°)	4418.8	33.8	B3/5000		
BH (60°-80°)	996.3	7.6	B2/1000		G1/1800
BVH (80°-90°)	26.1	0.2			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°	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5	2500.5
2.5°	2485.5	2485.5	2490.9	2496.2	2498.4	2508.0	2506.9	2503.7	2501.6	2495.2	2503.7
5°	2490.9	2490.9	2495.2	2498.4	2497.3	2504.8	2501.6	2496.2	2493.0	2486.6	2496.2
7.5°	2489.8	2489.8	2493.0	2496.2	2494.1	2500.5	2495.2	2487.7	2482.3	2475.9	2484.5
10°	2475.9	2478.0	2481.2	2488.7	2491.9	2501.6	2494.1	2482.3	2473.8	2466.3	2474.8
12.5°	2473.8	2475.9	2480.2	2489.8	2495.2	2509.1	2499.4	2480.2	2467.3	2457.7	2466.3
15°	2483.4	2485.5	2491.9	2503.7	2512.3	2527.3	2513.3	2486.6	2468.4	2455.6	2463.1
17.5°	2495.2	2498.4	2508.0	2525.1	2539.0	2555.1	2538.0	2505.9	2480.2	2463.1	2469.5
20°	2508.0	2512.3	2527.3	2552.9	2578.6	2598.9	2577.5	2534.7	2503.7	2481.2	2487.7
22.5°	2530.5	2535.8	2555.1	2591.5	2630.0	2659.9	2633.2	2575.4	2534.7	2505.9	2511.2
25°	2576.5	2582.9	2607.5	2651.4	2705.9	2742.3	2704.9	2639.6	2582.9	2547.6	2552.9
27.5°	2657.8	2661.0	2693.1	2750.9	2818.3	2860.0	2815.1	2738.0	2674.9	2634.3	2638.5
30°	2764.8	2774.4	2806.5	2882.5	2962.7	3018.4	2959.5	2868.6	2795.8	2746.6	2750.9
32.5°	2895.3	2901.7	2949.9	3029.1	3144.6	3208.8	3128.6	3020.5	2932.8	2872.9	2877.1
35°	3066.5	3071.9	3117.9	3218.5	3358.6	3418.5	3326.5	3202.4	3100.8	3044.1	3060.1
37.5°	3270.9	3280.5	3313.7	3413.2	3569.4	3628.3	3522.3	3406.8	3300.8	3248.4	3260.2
40°	3490.2	3489.2	3515.9	3603.6	3745.9	3782.3	3687.1	3595.1	3504.1	3469.9	3489.2
42.5°	3678.5	3673.2	3692.4	3765.2	3863.6	3866.9	3803.7	3752.4	3688.2	3664.6	3682.8
45°	3810.1	3812.3	3841.2	3891.5	3941.8	3915.0	3895.7	3887.2	3836.9	3804.8	3808.0
47.5°	3913.9	3922.5	3968.5	4002.7	4009.2	3964.2	3991.0	4003.8	3962.1	3912.9	3899.0
50°	4005.9	4019.9	4079.8	4116.2	4102.2	4045.5	4098.0	4117.2	4025.2	3931.1	3903.2
52.5°	4172.9	4188.9	4261.7	4308.7	4292.7	4236.0	4285.2	4216.7	4061.6	3946.0	3910.7
55°	4439.3	4446.8	4535.6	4612.6	4605.1	4535.6	4496.0	4344.1	4155.7	4035.9	4002.7
57.5°	4382.6	4395.4	4549.5	4754.9	4870.5	4807.4	4575.2	4316.2	4060.5	3916.1	3871.1
60°	3448.5	3479.5	3671.0	4032.7	4456.4	4455.3	4024.1	3621.8	3313.7	3122.2	3102.9
62.5°	2013.7	2035.1	2209.5	2575.4	2955.2	2978.8	2676.0	2399.9	2130.3	2000.8	1938.8
65°	953.3	952.3	1021.8	1186.6	1443.4	1463.7	1372.8	1221.9	1062.5	1018.6	1006.8
67.5°	704.0	704.0	698.7	710.5	759.7	770.4	759.7	735.1	720.1	729.7	723.3
70°	610.9	612.0	605.6	602.4	602.4	599.2	603.5	613.1	619.5	632.3	625.9
72.5°	495.4	496.5	496.5	497.5	498.6	494.3	500.7	506.1	507.2	511.4	507.2
75°	352.0	354.2	360.6	365.9	370.2	370.2	372.3	373.4	369.1	374.5	365.9
77.5°	193.7	195.8	207.6	217.2	226.8	227.9	231.1	233.3	231.1	235.4	229.0
80°	107.0	109.1	114.5	118.8	126.3	132.7	137.0	139.1	139.1	142.3	139.1
82.5°	61.0	63.1	66.3	68.5	74.9	80.2	84.5	87.7	87.7	88.8	86.7
85°	28.9	28.9	31.0	33.2	36.4	38.5	43.9	47.1	47.1	49.2	47.1
87.5°	4.3	5.3	6.4	6.4	8.6	10.7	12.8	13.9	16.0	17.1	17.1
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)