

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: P633342

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-750-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

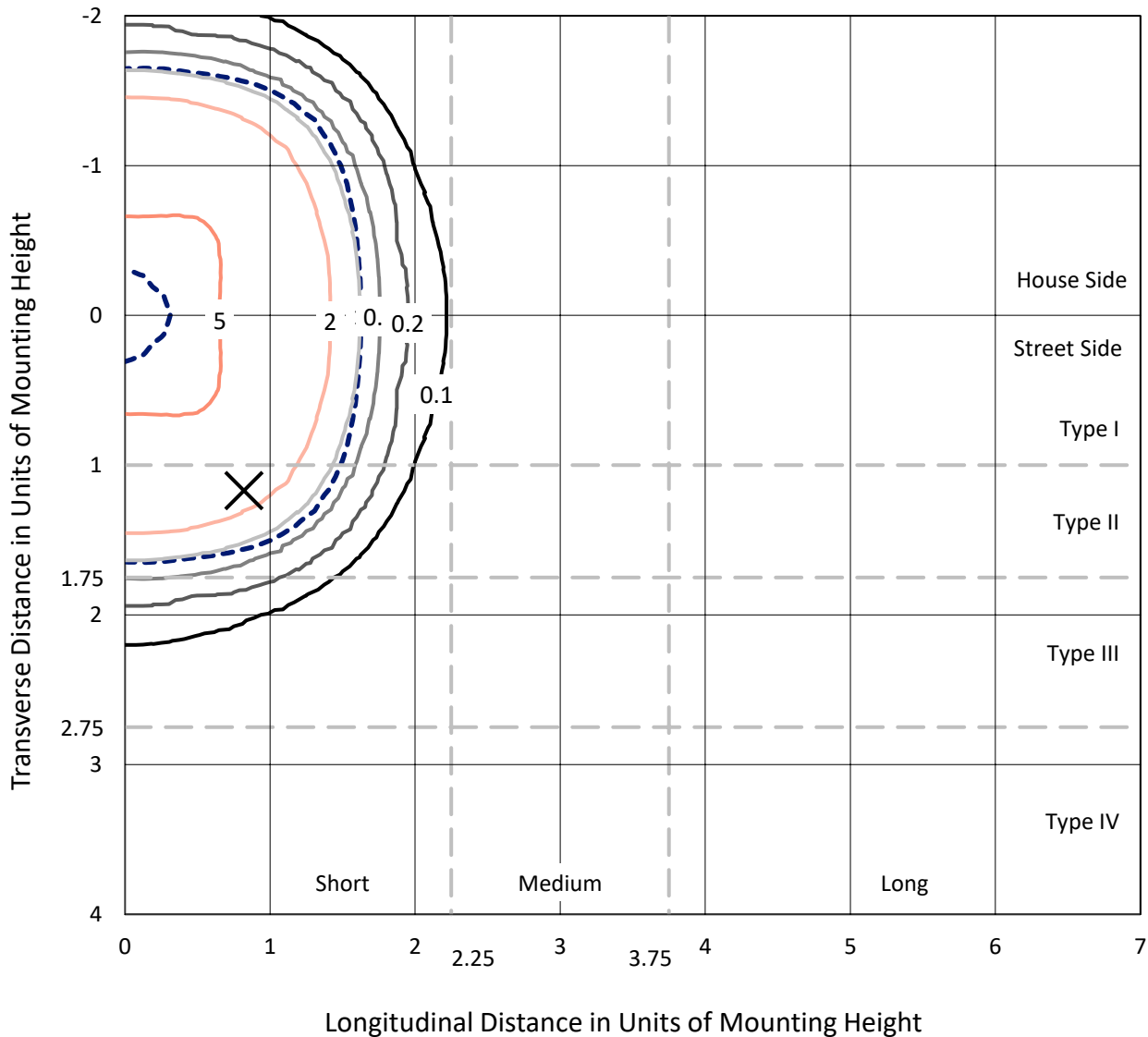
Lumens per Lamp: N/A  
Luminaire Lumens: 13530.7 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P633342  
 CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

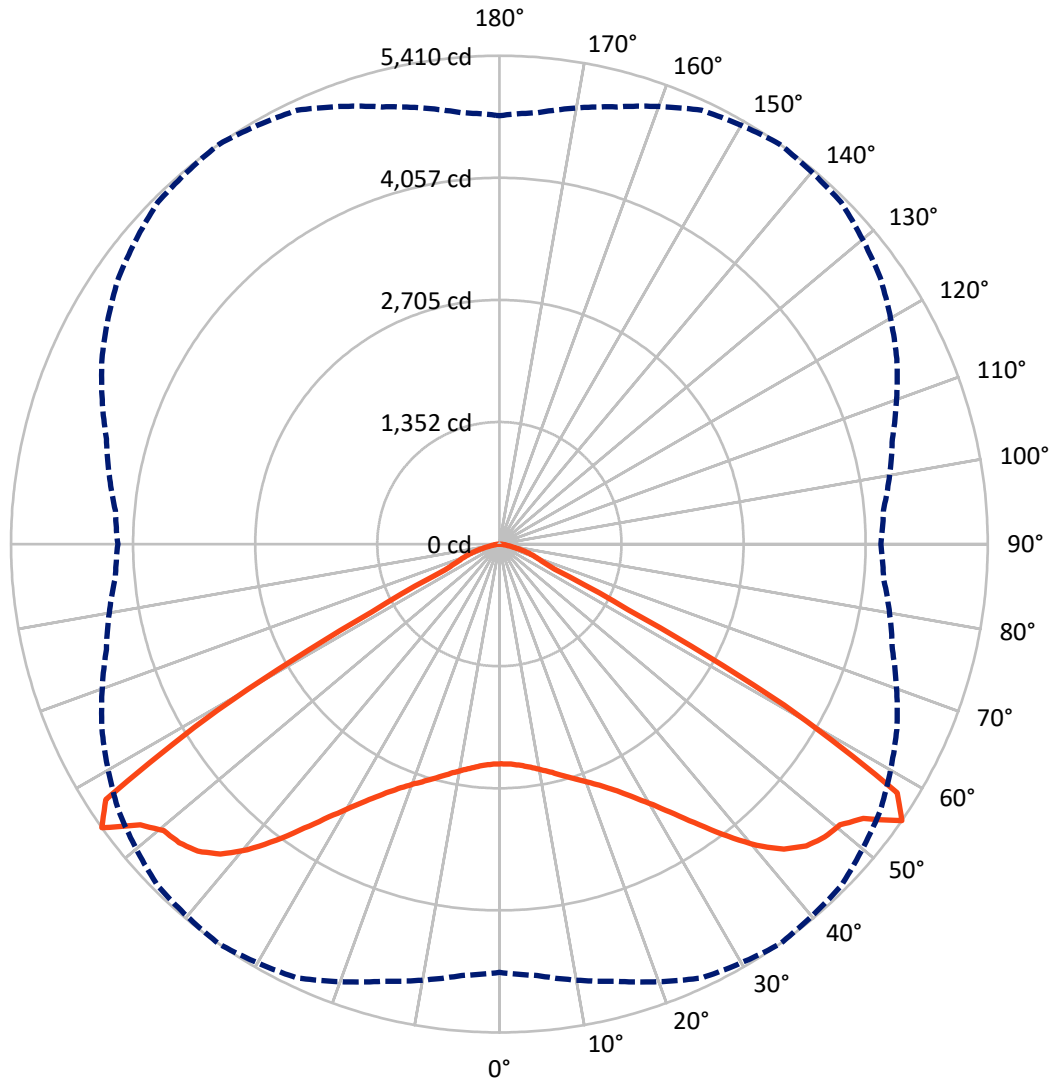
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P633342  
CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P633342

CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6765.3	0.0	6765.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6765.3	0.0	6765.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13530.7	0.0	13530.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.4	1.8
10°-20°	755.9	5.6
20°-30°	1399.0	10.3
30°-40°	2340.3	17.3
40°-50°	3566.3	26.4
50°-60°	3995.0	29.5
60°-70°	945.3	7.0
70°-80°	254.8	1.9
80°-90°	36.7	0.3
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°	13530.7	100.0
0°-180°	13530.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633342

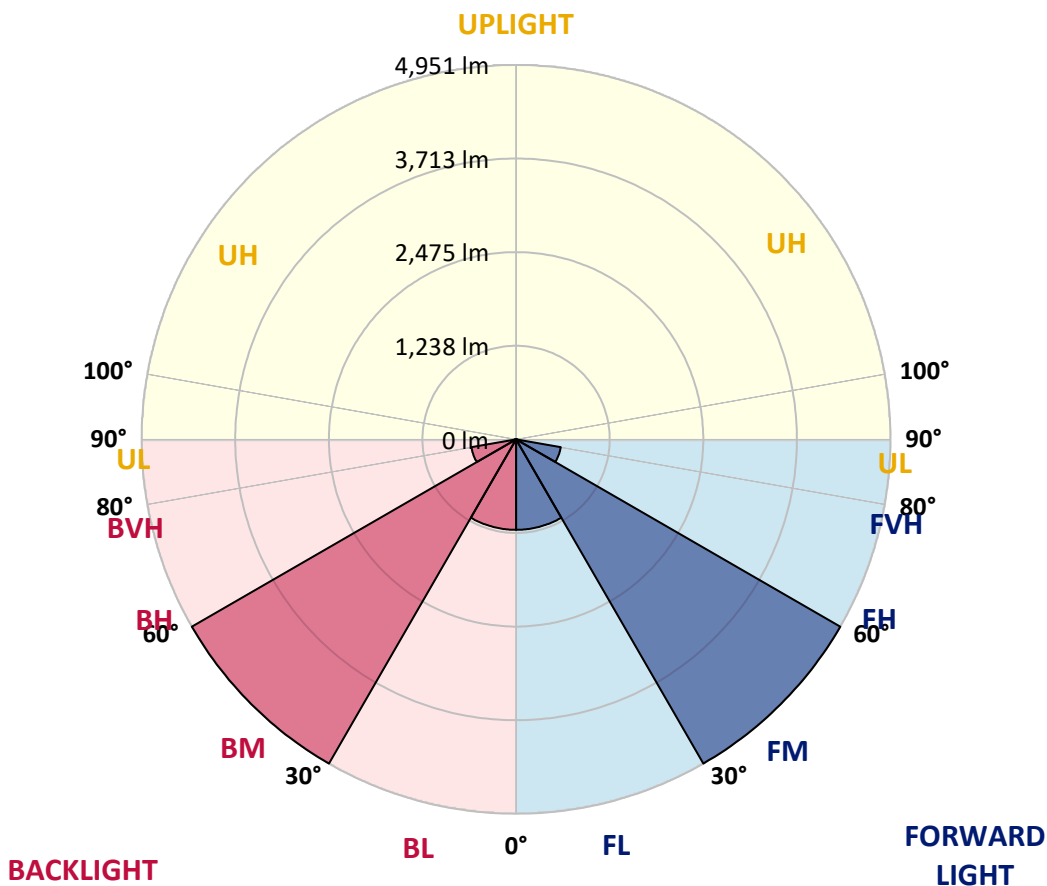
CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1196.2	8.8			
FM (30°-60°)	4950.8	36.6			
FH (60°-80°)	600.0	4.4			G0/660
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	1196.2	8.8	B3/2500		
BM (30°-60°)	4950.8	36.6	B3/5000		
BH (60°-80°)	600.0	4.4	B2/1000		G0/660
BVH (80°-90°)	18.3	0.1			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





REPORT NUMBER: P633342

CATALOG NUMBER: GWS-SA2E-750-U-5NQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2434.2	2434.2	2434.2	2434.2	2434.2	2434.2	2434.2	2434.2	2434.2	2434.2	2434.2
2.5°	2428.9	2428.9	2433.1	2438.5	2439.6	2450.3	2448.1	2443.8	2441.7	2437.4	2447.0
5°	2455.6	2456.7	2459.9	2463.1	2461.0	2469.5	2466.3	2461.0	2457.7	2452.4	2462.0
7.5°	2490.9	2490.9	2494.1	2498.4	2496.3	2509.1	2502.7	2495.2	2489.8	2483.4	2492.0
10°	2523.0	2525.2	2528.4	2536.9	2541.2	2555.1	2550.8	2540.1	2531.6	2524.1	2533.7
12.5°	2571.2	2573.3	2576.5	2588.3	2595.8	2609.7	2603.3	2588.3	2575.4	2564.7	2575.4
15°	2633.2	2631.1	2639.6	2654.6	2664.3	2677.1	2669.6	2643.9	2626.8	2612.9	2623.6
17.5°	2696.4	2695.3	2703.8	2723.1	2737.0	2754.1	2741.3	2711.3	2693.1	2676.0	2686.7
20°	2764.8	2768.0	2776.6	2794.8	2815.1	2837.6	2826.9	2794.8	2774.5	2755.2	2763.8
22.5°	2849.4	2850.4	2860.1	2883.6	2910.4	2931.8	2925.3	2885.7	2860.1	2839.7	2850.4
25°	2951.0	2949.9	2962.8	2990.6	3028.0	3049.4	3035.5	2991.7	2963.9	2940.3	2948.9
27.5°	3067.6	3066.6	3085.8	3122.2	3175.7	3205.7	3176.8	3122.2	3083.7	3050.5	3058.0
30°	3214.2	3211.0	3232.4	3281.6	3351.2	3401.5	3358.7	3282.7	3232.4	3197.1	3204.6
32.5°	3376.9	3381.1	3407.9	3474.2	3562.0	3627.2	3563.0	3478.5	3411.1	3359.7	3368.3
35°	3555.6	3555.6	3610.1	3692.5	3817.7	3904.4	3804.9	3682.9	3593.0	3522.4	3524.5
37.5°	3754.6	3756.7	3828.4	3941.8	4105.5	4207.2	4072.4	3921.5	3812.3	3736.4	3732.1
40°	3997.5	4003.9	4077.7	4204.0	4388.0	4481.1	4336.6	4189.0	4077.7	3987.8	3979.3
42.5°	4271.4	4273.5	4351.6	4465.0	4620.2	4675.8	4562.4	4441.5	4350.5	4269.2	4260.7
45°	4532.4	4527.1	4594.5	4679.0	4768.9	4774.3	4711.1	4661.9	4582.7	4513.2	4500.3
47.5°	4735.7	4731.5	4792.4	4838.5	4849.2	4796.7	4817.1	4824.5	4732.5	4638.4	4613.8
50°	4859.9	4868.4	4926.2	4951.9	4888.7	4803.1	4880.2	4860.9	4729.3	4606.3	4566.7
52.5°	4934.8	4947.6	5048.2	5113.4	5048.2	4966.9	4977.6	4864.1	4674.8	4512.1	4460.8
55°	4745.4	4796.7	5013.9	5302.8	5409.8	5353.1	5149.8	4857.7	4506.8	4270.3	4226.4
57.5°	3517.0	3598.3	3920.4	4546.4	5196.9	5403.4	4809.6	4072.4	3540.6	3236.7	3211.0
60°	1795.4	1886.4	2144.2	2787.3	3624.0	3915.1	3350.1	2607.5	2072.6	1826.5	1798.6
62.5°	732.9	747.9	832.4	1080.7	1601.8	1847.9	1623.2	1139.5	856.0	788.6	789.6
65°	576.7	579.9	575.7	590.6	670.9	744.7	688.0	604.5	589.6	597.1	591.7
67.5°	502.9	504.0	500.8	500.8	504.0	500.8	507.2	510.4	512.5	521.1	515.7
70°	420.5	421.6	421.6	423.7	422.6	417.3	426.9	431.2	432.3	437.6	434.4
72.5°	325.3	328.5	330.6	331.7	330.6	327.4	332.8	340.3	339.2	344.5	339.2
75°	220.4	224.7	226.8	231.1	230.0	230.0	236.5	239.7	236.5	240.7	236.5
77.5°	125.2	128.4	134.8	139.1	143.4	146.6	150.9	153.0	151.9	154.1	151.9
80°	72.8	73.8	79.2	81.3	86.7	92.0	96.3	98.4	99.5	100.6	99.5
82.5°	41.7	42.8	44.9	47.1	51.4	55.6	59.9	63.1	63.1	64.2	63.1
85°	20.3	20.3	21.4	22.5	24.6	27.8	31.0	34.2	35.3	35.3	35.3
87.5°	3.2	3.2	4.3	4.3	5.3	6.4	8.6	10.7	11.8	11.8	11.8
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)