

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: P635815

Luminaire Tested: GWS-SA3E-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635815  
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-SA3E-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

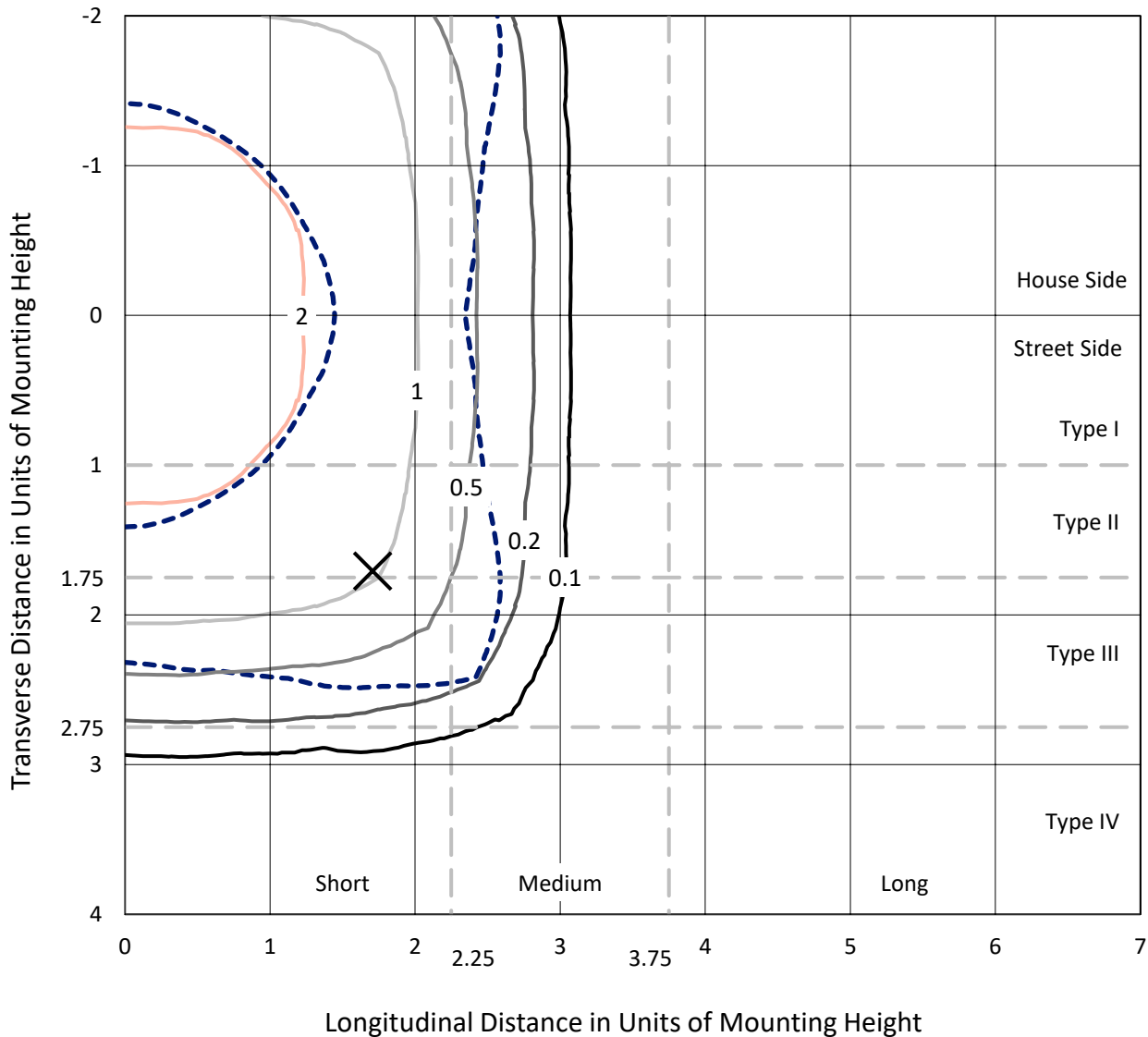
Lumens per Lamp: N/A  
Luminaire Lumens: 23296.1 lumens  
Efficiency: N/A  
Efficacy: 146.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

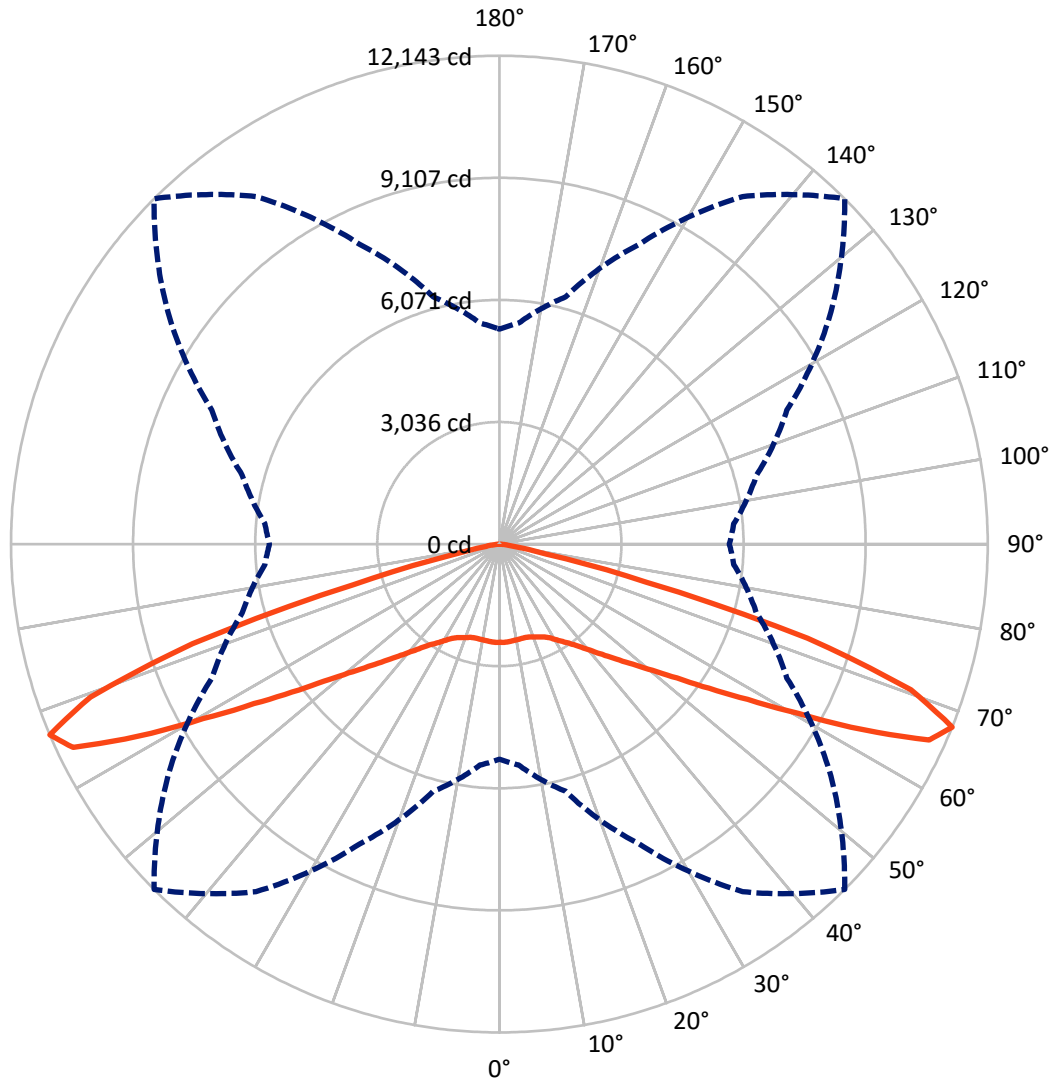
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	11648.0	0.0	11648.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11648.0	0.0	11648.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23296.1	0.0	23296.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.9	1.0
10°-20°	678.3	2.9
20°-30°	1169.8	5.0
30°-40°	1902.1	8.2
40°-50°	3202.8	13.7
50°-60°	5674.7	24.4
60°-70°	8111.6	34.8
70°-80°	2226.3	9.6
80°-90°	99.7	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°	23296.1	100.0
0°-180°	23296.1	100.0

**Coefficient of Utilization**



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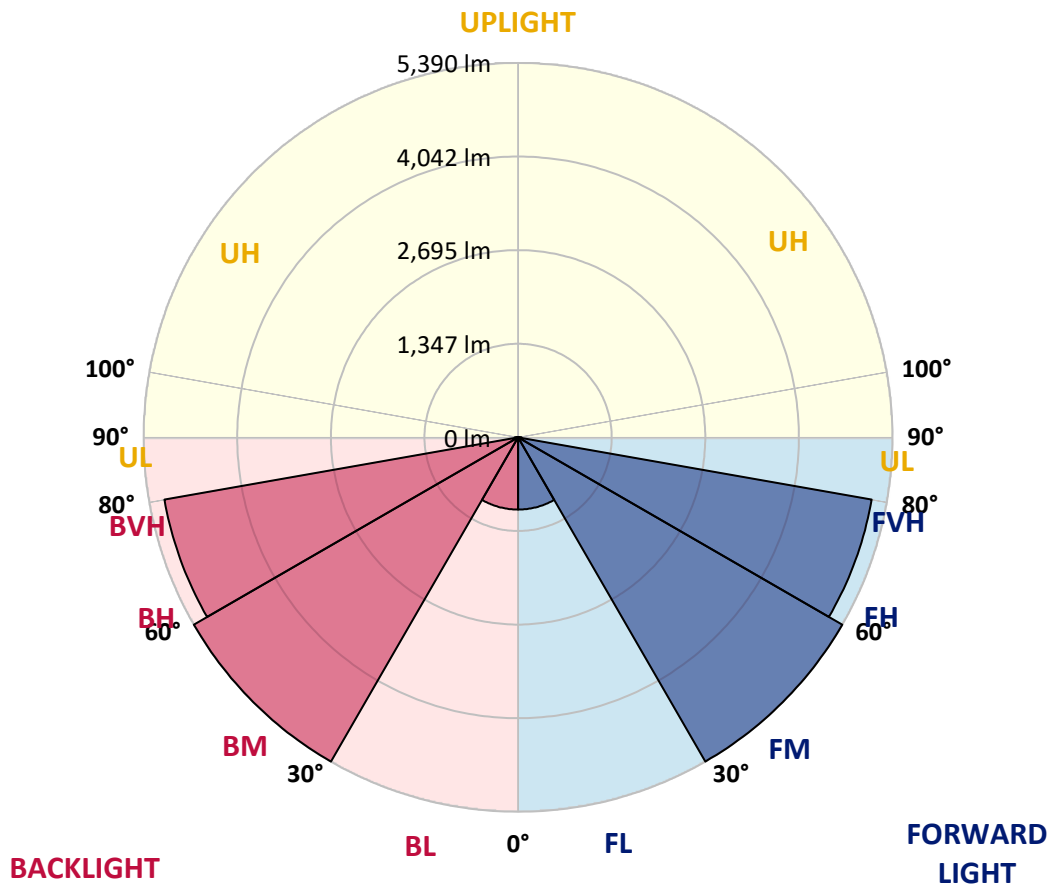
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1039.5	4.5			
FM (30°-60°)	5389.8	23.1			
FH (60°-80°)	5168.9	22.2			G3/7500
FVH (80°-90°)	49.9	0.2			G1/100
BL (0°-30°)	1039.5	4.5	B3/2500		
BM (30°-60°)	5389.8	23.1	B4/8500		
BH (60°-80°)	5168.9	22.2	B5		G3/7500
BVH (80°-90°)	49.9	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°	2439.9	2439.9	2439.9	2439.9	2439.9	2439.9	2439.9	2439.9	2439.9	2439.9	2439.9
2.5°	2423.7	2422.1	2430.2	2435.0	2433.4	2444.7	2443.1	2439.9	2439.9	2435.0	2447.9
5°	2423.7	2422.1	2428.6	2430.2	2427.0	2436.6	2433.4	2430.2	2430.2	2423.7	2435.0
7.5°	2410.8	2412.4	2417.3	2420.5	2417.3	2425.3	2420.5	2414.1	2412.4	2406.0	2417.3
10°	2386.6	2388.3	2393.1	2401.2	2402.8	2417.3	2409.2	2397.9	2393.1	2386.6	2397.9
12.5°	2372.1	2373.7	2378.6	2388.3	2391.5	2410.8	2402.8	2385.0	2377.0	2370.5	2381.8
15°	2368.9	2370.5	2377.0	2386.6	2391.5	2410.8	2402.8	2381.8	2370.5	2362.5	2372.1
17.5°	2368.9	2372.1	2381.8	2396.3	2406.0	2425.3	2415.7	2391.5	2375.4	2360.8	2370.5
20°	2370.5	2375.4	2389.9	2410.8	2435.0	2462.4	2449.5	2417.3	2394.7	2377.0	2383.4
22.5°	2385.0	2393.1	2410.8	2438.2	2473.7	2506.0	2494.7	2451.1	2418.9	2394.7	2401.2
25°	2435.0	2438.2	2460.8	2496.3	2530.2	2557.6	2546.3	2506.0	2465.7	2436.6	2444.7
27.5°	2523.7	2531.8	2551.1	2588.2	2617.2	2631.8	2630.1	2602.7	2562.4	2536.6	2543.1
30°	2630.1	2638.2	2664.0	2705.9	2735.0	2751.1	2746.2	2725.3	2688.2	2652.7	2659.2
32.5°	2754.3	2757.5	2788.2	2834.9	2865.6	2889.8	2873.6	2851.1	2804.3	2762.4	2765.6
35°	2912.3	2917.2	2949.4	2993.0	3017.2	3036.5	3033.3	3010.7	2960.7	2915.6	2926.9
37.5°	3110.7	3113.9	3142.9	3197.8	3217.1	3231.6	3234.9	3223.6	3172.0	3113.9	3125.2
40°	3357.4	3359.0	3391.3	3439.7	3460.6	3470.3	3471.9	3473.5	3420.3	3376.8	3373.5
42.5°	3644.5	3652.5	3697.7	3744.4	3754.1	3749.3	3765.4	3781.5	3729.9	3670.3	3675.1
45°	3987.9	3992.8	4054.1	4105.7	4087.9	4071.8	4102.4	4134.7	4087.9	4010.5	3987.9
47.5°	4394.3	4404.0	4470.1	4521.7	4492.7	4463.7	4513.7	4547.5	4471.7	4389.5	4368.5
50°	4853.9	4860.4	4953.9	5018.4	4984.5	4931.3	4994.2	5029.7	4928.1	4826.5	4781.3
52.5°	5397.4	5384.5	5508.6	5621.5	5600.5	5531.2	5582.8	5589.3	5437.7	5294.1	5249.0
55°	6060.1	6047.2	6171.4	6295.6	6347.2	6329.4	6305.2	6266.5	6042.4	5889.2	5847.3
57.5°	6832.6	6792.2	6966.4	7134.1	7247.0	7279.3	7176.0	7085.7	6908.4	6719.7	6671.3
60°	7550.2	7548.6	7824.3	8114.6	8424.2	8553.2	8292.0	8046.8	7648.5	7305.1	7235.7
62.5°	7751.7	7785.6	8237.1	8956.4	9720.7	10177.1	9488.5	8677.4	7908.2	7390.5	7298.6
65°	7255.1	7338.9	7980.7	9116.0	10625.4	11741.3	10186.8	8691.9	7619.5	6974.5	6877.7
67.5°	5347.4	5515.1	6364.9	8225.8	10548.0	12142.8	10062.6	7887.2	6618.1	5850.5	5716.6
70°	2638.2	2797.9	3471.9	5411.9	8679.0	10854.4	8706.4	5944.0	4470.1	3731.5	3609.0
72.5°	970.8	1035.3	1299.8	2315.7	4789.4	8017.8	5953.7	3320.3	2165.7	1723.9	1641.6
75°	475.7	487.0	527.3	777.3	1767.4	3773.5	2797.9	1273.9	796.6	693.4	670.8
77.5°	303.2	308.0	327.4	370.9	567.6	1188.5	848.2	503.1	390.2	374.1	374.1
80°	169.3	174.2	200.0	230.6	266.1	408.0	304.8	301.6	256.4	224.2	219.3
82.5°	80.6	88.7	127.4	125.8	140.3	204.8	179.0	162.9	164.5	124.2	117.7
85°	37.1	37.1	50.0	59.7	62.9	69.3	82.2	93.5	91.9	62.9	67.7
87.5°	17.7	17.7	17.7	16.1	14.5	12.9	17.7	29.0	41.9	29.0	27.4
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)