

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: P635983

Luminaire Tested: GWS-SA3E-830-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635983  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-830-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

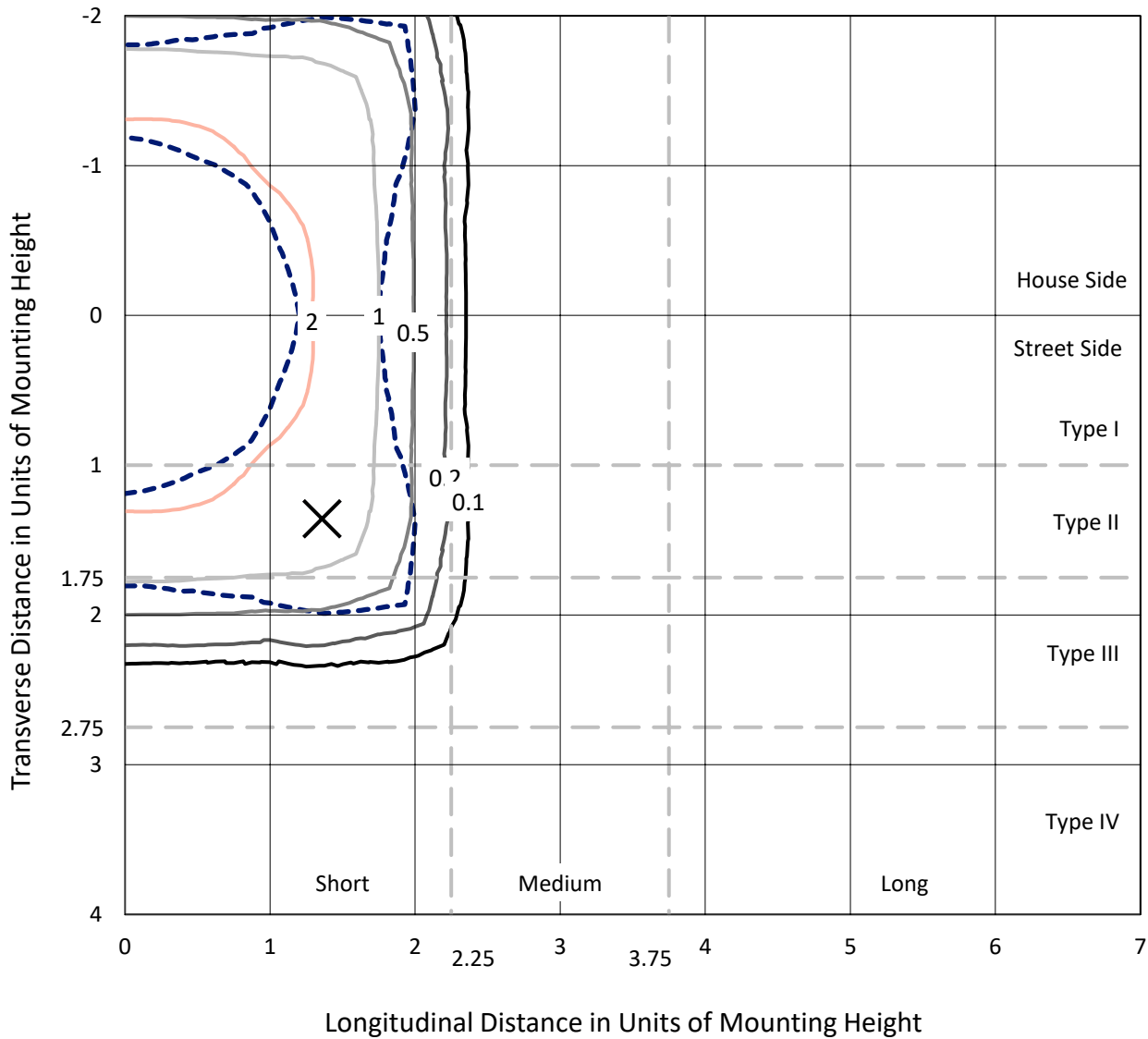
Lumens per Lamp: N/A  
Luminaire Lumens: 18259.4 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

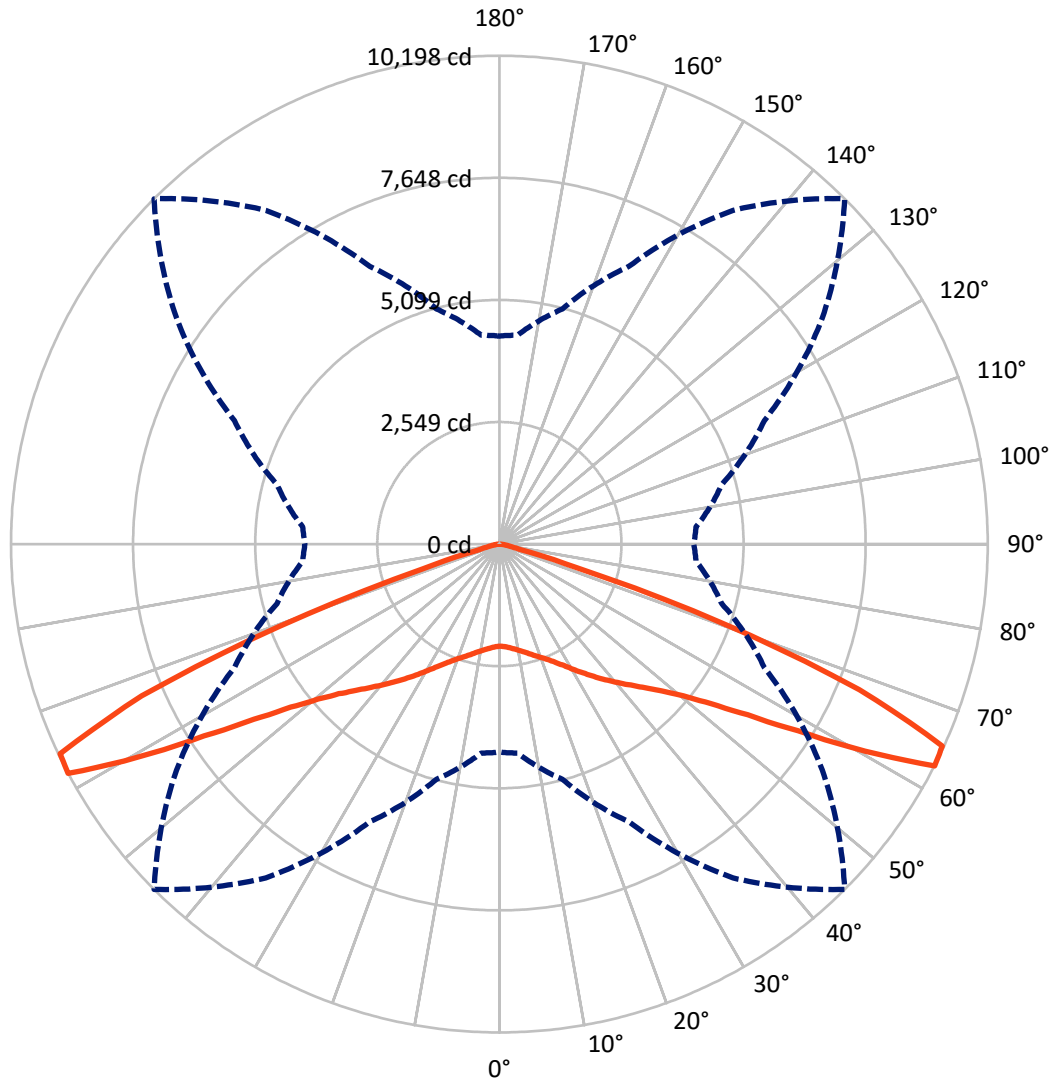
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9129.7	0.0	9129.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9129.7	0.0	9129.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18259.4	0.0	18259.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.0	1.1
10°-20°	674.0	3.7
20°-30°	1275.1	7.0
30°-40°	2146.2	11.8
40°-50°	3429.0	18.8
50°-60°	5527.4	30.3
60°-70°	4509.7	24.7
70°-80°	437.9	2.4
80°-90°	51.0	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°	18259.4	100.0
0°-180°	18259.4	100.0

**Coefficient of Utilization**



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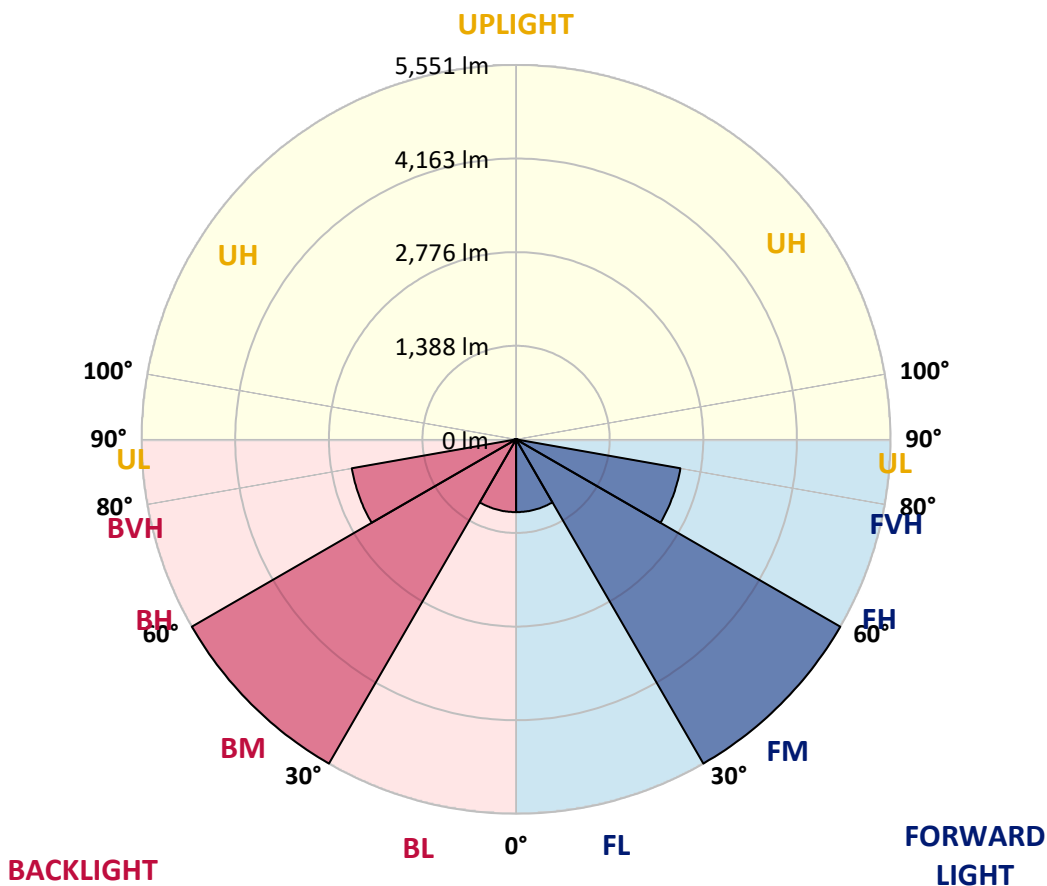
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1079.1	5.9			
FM (30°-60°)	5551.3	30.4			
FH (60°-80°)	2473.8	13.5			G2/5000
FVH (80°-90°)	25.5	0.1			G1/100
BL (0°-30°)	1079.1	5.9	B3/2500		
BM (30°-60°)	5551.3	30.4	B4/8500		
BH (60°-80°)	2473.8	13.5	B3/2500		G2/5000
BVH (80°-90°)	25.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2130.2	2130.2	2130.2	2130.2	2130.2	2130.2	2130.2	2130.2	2130.2	2130.2	2130.2
2.5°	2127.7	2127.7	2132.7	2136.5	2134.0	2144.0	2142.7	2140.2	2139.0	2135.2	2146.5
5°	2156.5	2156.5	2160.3	2164.0	2157.8	2170.3	2165.3	2162.8	2161.5	2156.5	2166.5
7.5°	2189.1	2192.8	2194.1	2200.3	2196.6	2210.4	2206.6	2201.6	2199.1	2192.8	2201.6
10°	2225.4	2227.9	2229.1	2240.4	2241.7	2257.9	2254.2	2247.9	2242.9	2236.7	2249.2
12.5°	2274.2	2275.5	2279.2	2293.0	2296.8	2309.3	2308.0	2299.3	2293.0	2284.2	2298.0
15°	2336.8	2338.1	2344.4	2358.1	2364.4	2379.4	2374.4	2360.6	2351.9	2341.8	2353.1
17.5°	2402.0	2407.0	2413.2	2427.0	2435.8	2453.3	2447.0	2432.0	2424.5	2414.5	2422.0
20°	2485.9	2487.1	2490.9	2505.9	2512.2	2532.2	2533.5	2518.4	2514.7	2504.7	2515.9
22.5°	2578.5	2579.8	2583.5	2599.8	2611.1	2623.6	2631.1	2622.4	2616.1	2603.6	2617.4
25°	2681.2	2693.8	2697.5	2717.5	2730.1	2737.6	2746.3	2742.6	2733.8	2718.8	2725.1
27.5°	2825.2	2827.8	2834.0	2856.6	2864.1	2871.6	2880.3	2881.6	2869.1	2851.5	2860.3
30°	2989.3	2988.0	3001.8	3019.4	3025.6	3031.9	3044.4	3051.9	3035.6	3016.9	3025.6
32.5°	3157.1	3172.1	3189.7	3206.0	3202.2	3204.7	3224.7	3238.5	3216.0	3182.2	3189.7
35°	3346.2	3356.2	3378.8	3402.6	3397.6	3393.8	3406.3	3420.1	3388.8	3345.0	3356.2
37.5°	3540.3	3555.4	3589.2	3618.0	3610.5	3592.9	3606.7	3621.7	3591.7	3541.6	3536.6
40°	3757.0	3780.8	3829.6	3853.4	3833.4	3799.6	3823.3	3859.7	3829.6	3772.0	3758.2
42.5°	4011.2	4040.0	4088.8	4125.2	4081.3	4026.2	4066.3	4118.9	4111.4	4035.0	4011.2
45°	4325.5	4344.3	4404.4	4422.0	4356.8	4280.4	4353.1	4433.2	4414.4	4331.8	4300.5
47.5°	4667.4	4696.2	4748.8	4781.4	4676.2	4581.0	4682.4	4790.1	4770.1	4692.5	4656.1
50°	5103.2	5140.8	5209.7	5237.2	5092.0	4983.0	5113.2	5249.7	5210.9	5107.0	5059.4
52.5°	5577.9	5607.9	5725.6	5780.7	5644.2	5526.5	5640.5	5774.5	5691.8	5554.1	5490.2
55°	5996.1	6026.2	6199.0	6381.8	6375.6	6294.2	6351.8	6354.3	6130.1	5902.2	5834.6
57.5°	6086.3	6116.4	6445.7	6924.1	7262.2	7356.2	7187.1	6831.4	6266.6	5867.1	5790.8
60°	5605.4	5639.2	6162.7	7036.8	8148.9	8776.3	7997.3	6821.4	5844.6	5303.6	5231.0
62.5°	4343.1	4379.4	5083.2	6395.6	8507.0	10197.7	8232.8	6103.8	4807.7	4122.7	4058.8
65°	2073.9	2073.9	2968.0	4587.3	7793.2	10163.9	7551.5	4515.9	2894.1	2222.9	2167.8
67.5°	513.5	516.0	763.9	1785.8	5301.1	8111.3	5387.5	2167.8	1019.4	721.3	702.6
70°	320.6	319.3	354.4	483.4	1854.7	4922.9	2202.8	653.7	414.5	365.7	363.2
72.5°	249.2	249.2	266.7	309.3	485.9	1676.9	642.4	363.2	300.6	270.5	270.5
75°	196.6	196.6	209.1	231.7	286.8	432.1	341.9	269.2	232.9	212.9	210.4
77.5°	146.5	149.0	159.0	174.1	195.4	243.0	216.7	202.9	181.6	166.6	161.5
80°	95.2	98.9	111.5	120.2	127.7	160.3	141.5	147.8	137.8	120.2	117.7
82.5°	51.3	52.6	67.6	70.1	72.6	87.7	90.2	93.9	97.7	76.4	71.4
85°	18.8	18.8	22.5	26.3	28.8	31.3	42.6	52.6	55.1	43.8	42.6
87.5°	3.8	3.8	3.8	2.5	2.5	2.5	7.5	13.8	22.5	17.5	17.5
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)