

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: P641923

Luminaire Tested: GWS-SA6B-830-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641923  
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-SA6B-830-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

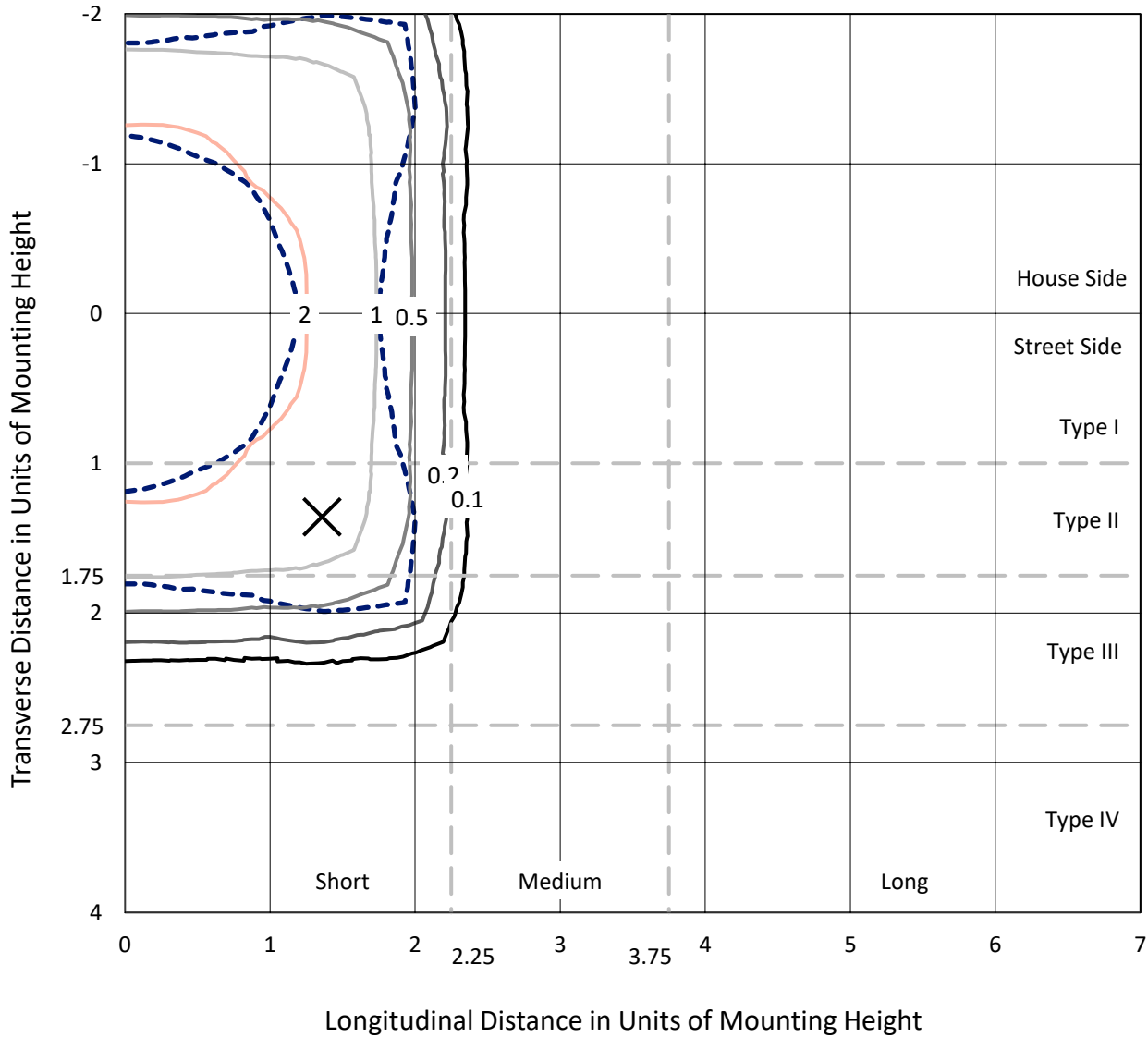
Lumens per Lamp: N/A  
Luminaire Lumens: 17579.4 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

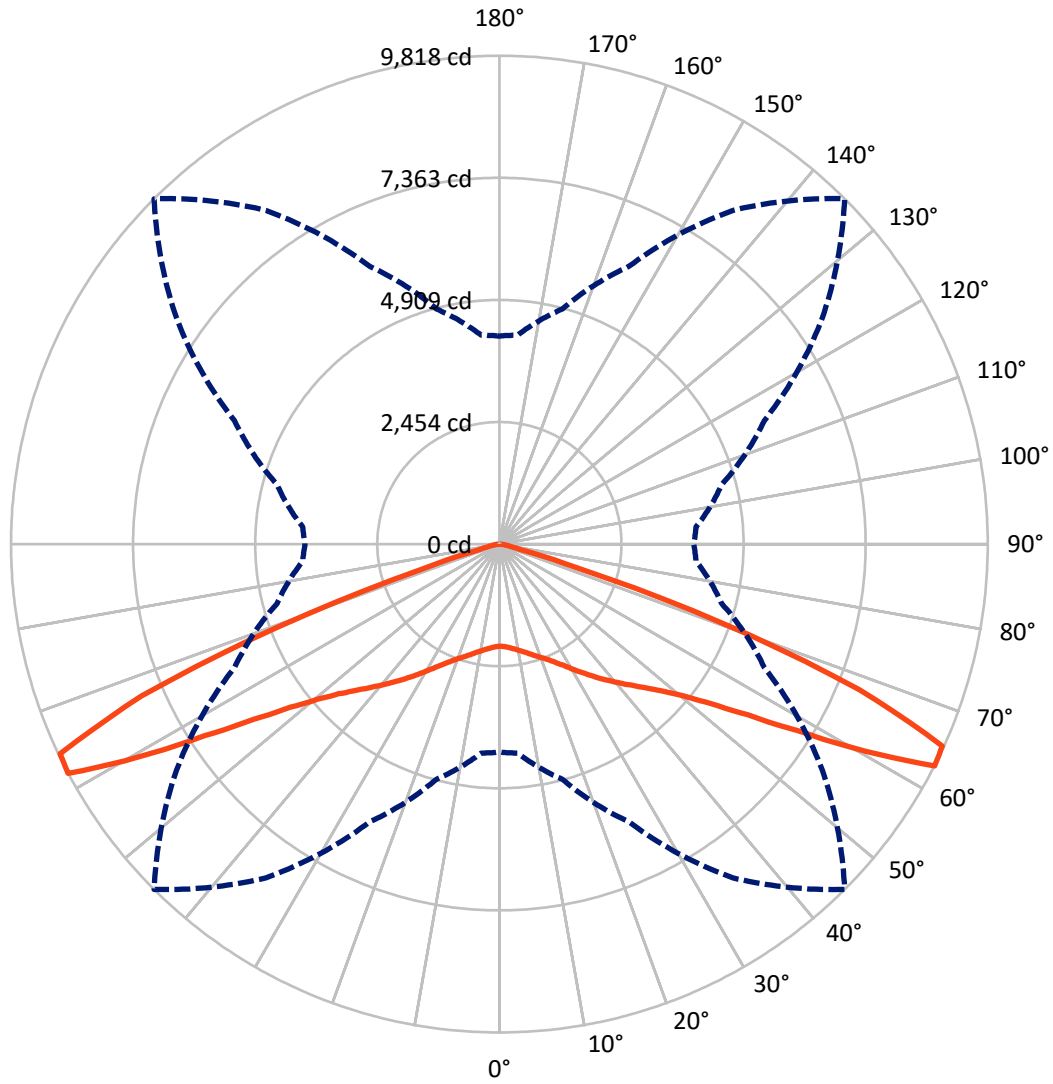
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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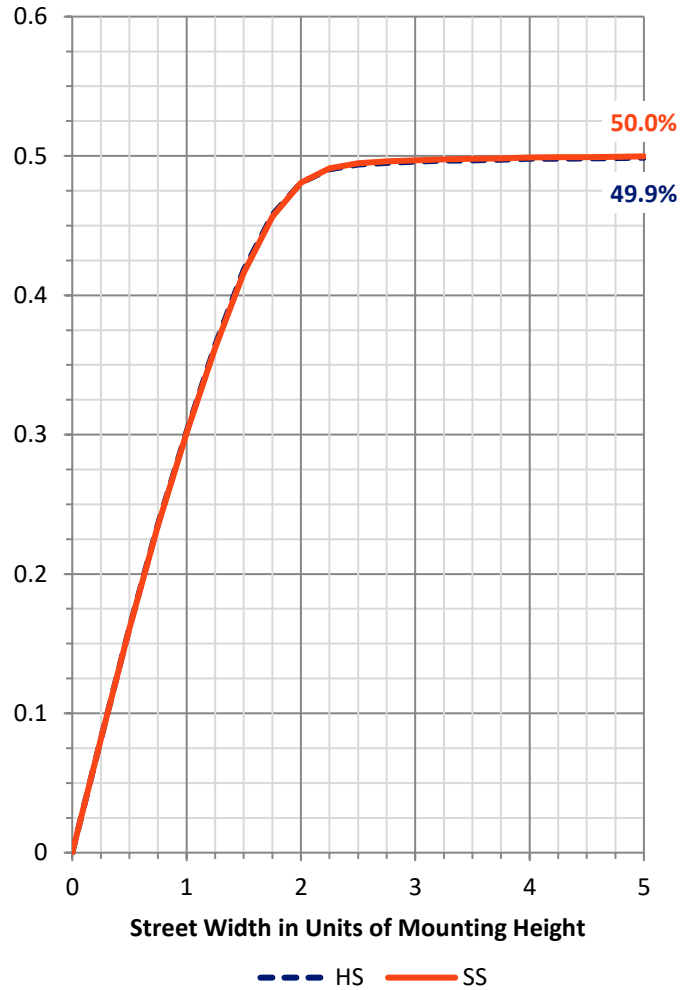
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8789.7	0.0	8789.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8789.7	0.0	8789.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17579.4	0.0	17579.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.2	1.1
10°-20°	648.9	3.7
20°-30°	1227.6	7.0
30°-40°	2066.3	11.8
40°-50°	3301.3	18.8
50°-60°	5321.6	30.3
60°-70°	4341.8	24.7
70°-80°	421.6	2.4
80°-90°	49.0	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°	17579.4	100.0
0°-180°	17579.4	100.0

**Coefficient of Utilization**



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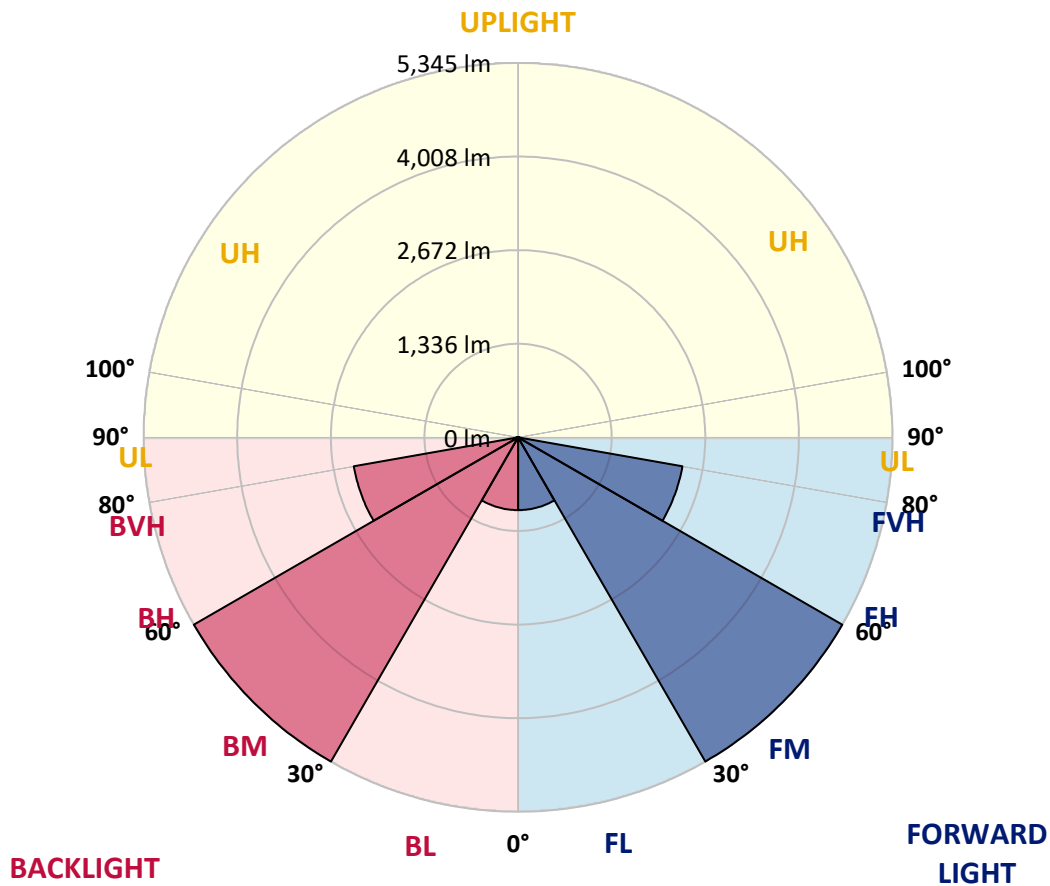
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1038.9	5.9			
FM (30°-60°)	5344.6	30.4			
FH (60°-80°)	2381.7	13.5			G2/5000
FVH (80°-90°)	24.5	0.1			G1/100
BL (0°-30°)	1038.9	5.9	B3/2500		
BM (30°-60°)	5344.6	30.4	B4/8500		
BH (60°-80°)	2381.7	13.5	B3/2500		G2/5000
BVH (80°-90°)	24.5	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°	2050.9	2050.9	2050.9	2050.9	2050.9	2050.9	2050.9	2050.9	2050.9	2050.9	2050.9
2.5°	2048.5	2048.5	2053.3	2056.9	2054.5	2064.1	2062.9	2060.5	2059.3	2055.7	2066.5
5°	2076.2	2076.2	2079.8	2083.4	2077.4	2089.5	2084.6	2082.2	2081.0	2076.2	2085.8
7.5°	2107.5	2111.2	2112.4	2118.4	2114.8	2128.0	2124.4	2119.6	2117.2	2111.2	2119.6
10°	2142.5	2144.9	2146.1	2157.0	2158.2	2173.9	2170.2	2164.2	2159.4	2153.4	2165.4
12.5°	2189.5	2190.7	2194.4	2207.6	2211.2	2223.3	2222.1	2213.6	2207.6	2199.2	2212.4
15°	2249.8	2251.0	2257.0	2270.3	2276.3	2290.8	2286.0	2272.7	2264.3	2254.6	2265.5
17.5°	2312.5	2317.3	2323.4	2336.6	2345.1	2361.9	2355.9	2341.4	2334.2	2324.6	2331.8
20°	2393.3	2394.5	2398.1	2412.6	2418.6	2437.9	2439.1	2424.6	2421.0	2411.4	2422.2
22.5°	2482.5	2483.7	2487.3	2503.0	2513.9	2525.9	2533.1	2524.7	2518.7	2506.6	2519.9
25°	2581.4	2593.4	2597.1	2616.3	2628.4	2635.6	2644.1	2640.5	2632.0	2617.5	2623.6
27.5°	2720.0	2722.4	2728.5	2750.2	2757.4	2764.6	2773.1	2774.3	2762.2	2745.3	2753.8
30°	2878.0	2876.8	2890.0	2906.9	2912.9	2919.0	2931.0	2938.3	2922.6	2904.5	2912.9
32.5°	3039.5	3054.0	3070.9	3086.6	3082.9	3085.4	3104.6	3117.9	3096.2	3063.7	3070.9
35°	3221.6	3231.2	3252.9	3275.9	3271.0	3267.4	3279.5	3292.7	3262.6	3220.4	3231.2
37.5°	3408.5	3422.9	3455.5	3483.2	3476.0	3459.1	3472.4	3486.8	3457.9	3409.7	3404.9
40°	3617.1	3640.0	3687.0	3709.9	3690.6	3658.1	3681.0	3715.9	3687.0	3631.5	3618.3
42.5°	3861.8	3889.5	3936.6	3971.5	3929.3	3876.3	3914.9	3965.5	3958.3	3884.7	3861.8
45°	4164.4	4182.5	4240.4	4257.3	4194.6	4121.0	4191.0	4268.1	4250.0	4170.5	4140.3
47.5°	4493.6	4521.3	4572.0	4603.3	4502.0	4410.4	4508.1	4611.8	4592.5	4517.7	4482.7
50°	4913.2	4949.3	5015.7	5042.2	4902.3	4797.4	4922.8	5054.2	5016.9	4916.8	4871.0
52.5°	5370.1	5399.1	5512.4	5565.5	5434.0	5320.7	5430.4	5559.4	5479.8	5347.2	5285.7
55°	5772.8	5801.8	5968.2	6144.2	6138.2	6059.8	6115.2	6117.7	5901.8	5682.4	5617.3
57.5°	5859.6	5888.6	6205.7	6666.2	6991.8	7082.2	6919.4	6577.0	6033.3	5648.6	5575.1
60°	5396.7	5429.2	5933.2	6774.8	7845.4	8449.5	7699.5	6567.4	5626.9	5106.1	5036.2
62.5°	4181.3	4216.3	4893.9	6157.4	8190.2	9817.9	7926.2	5876.5	4628.6	3969.1	3907.6
65°	1996.6	1996.6	2857.5	4416.4	7503.0	9785.4	7270.3	4347.7	2786.3	2140.1	2087.0
67.5°	494.3	496.7	735.5	1719.3	5103.7	7809.2	5186.9	2087.0	981.4	694.5	676.4
70°	308.7	307.5	341.2	465.4	1785.6	4739.6	2120.8	629.4	399.1	352.1	349.6
72.5°	239.9	239.9	256.8	297.8	467.8	1614.4	618.5	349.6	289.4	260.4	260.4
75°	189.3	189.3	201.3	223.1	276.1	416.0	329.2	259.2	224.3	205.0	202.6
77.5°	141.1	143.5	153.1	167.6	188.1	233.9	208.6	195.3	174.8	160.4	155.5
80°	91.6	95.2	107.3	115.7	123.0	154.3	136.2	142.3	132.6	115.7	113.3
82.5°	49.4	50.6	65.1	67.5	69.9	84.4	86.8	90.4	94.0	73.5	68.7
85°	18.1	18.1	21.7	25.3	27.7	30.1	41.0	50.6	53.1	42.2	41.0
87.5°	3.6	3.6	3.6	2.4	2.4	2.4	7.2	13.3	21.7	16.9	16.9
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)