

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: P633507

Luminaire Tested: GWS-SA2E-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633507  
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-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

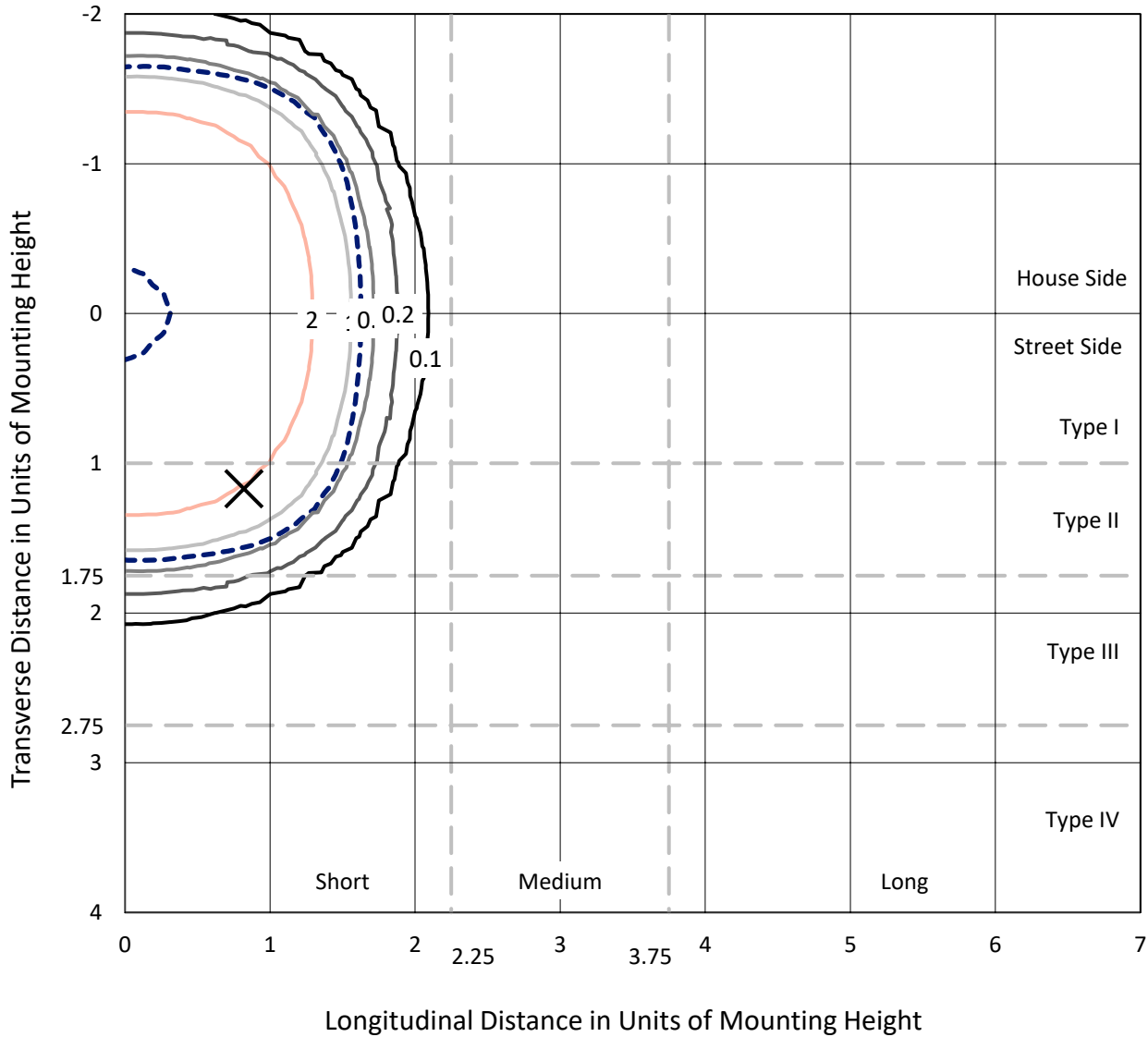
Lumens per Lamp: N/A  
Luminaire Lumens: 10507.8 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

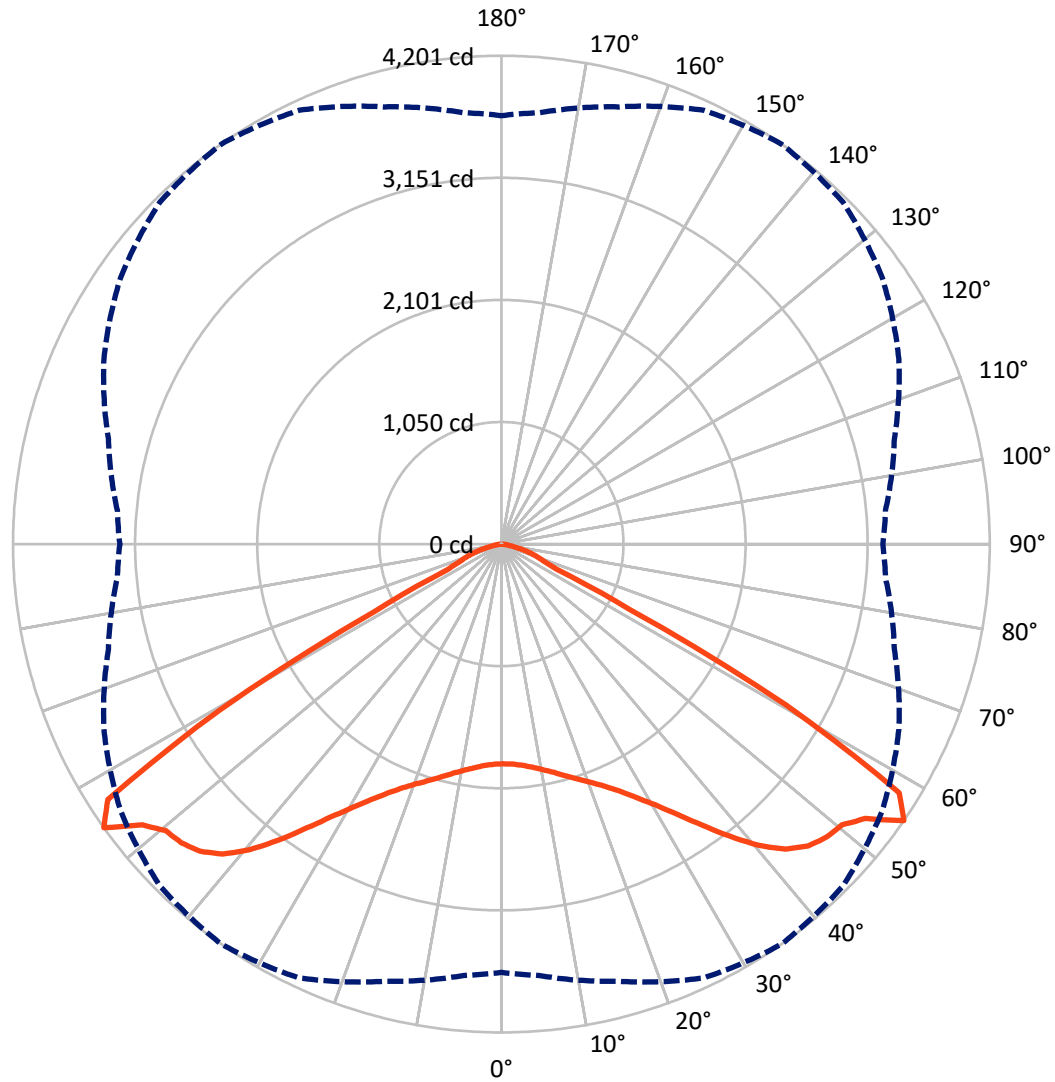
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5253.9	0.0	5253.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5253.9	0.0	5253.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10507.8	0.0	10507.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.4	1.8
10°-20°	587.0	5.6
20°-30°	1086.5	10.3
30°-40°	1817.5	17.3
40°-50°	2769.5	26.4
50°-60°	3102.5	29.5
60°-70°	734.1	7.0
70°-80°	197.9	1.9
80°-90°	28.5	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°	10507.8	100.0
0°-180°	10507.8	100.0

**Coefficient of Utilization**



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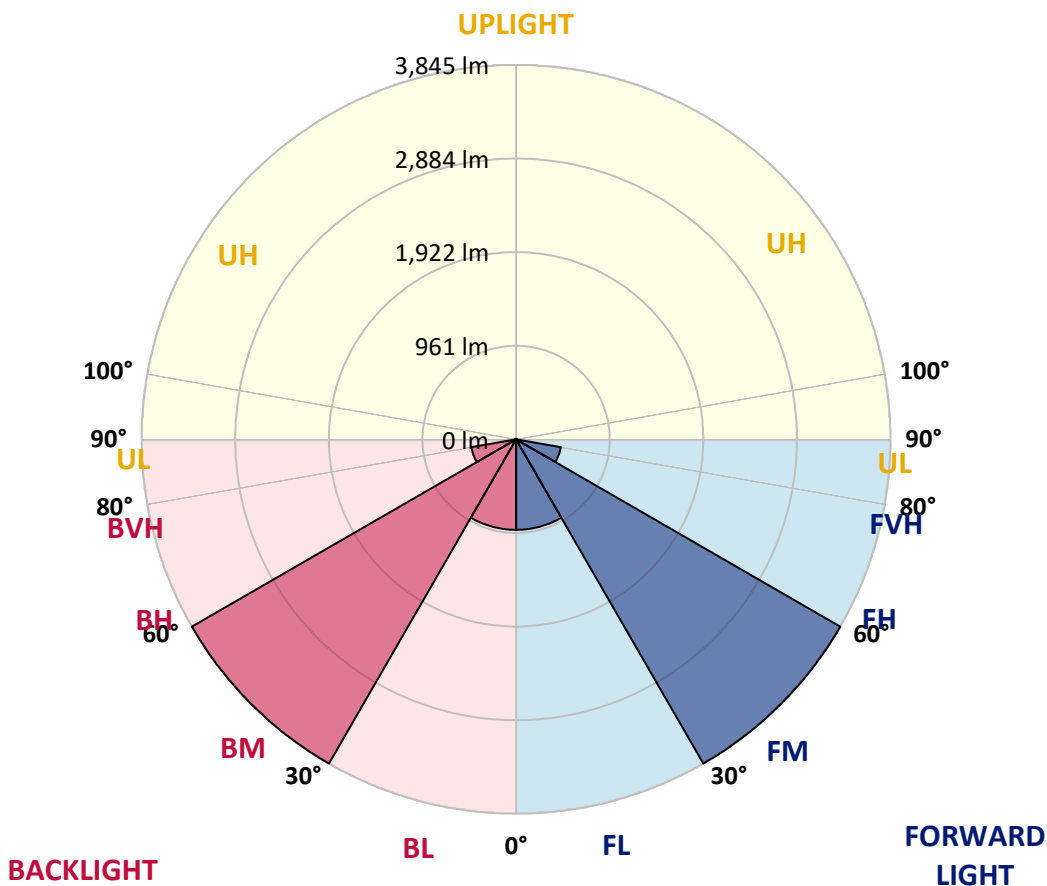
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	929.0	8.8			
FM (30°-60°)	3844.7	36.6			
FH (60°-80°)	466.0	4.4			G0/660
FVH (80°-90°)	14.2	0.1			G1/100
BL (0°-30°)	929.0	8.8	B2/1000		
BM (30°-60°)	3844.7	36.6	B3/5000		
BH (60°-80°)	466.0	4.4	B1/500		G0/660
BVH (80°-90°)	14.2	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4
2.5°	1886.2	1886.2	1889.6	1893.7	1894.5	1902.8	1901.2	1897.9	1896.2	1892.9	1900.4
5°	1907.0	1907.8	1910.3	1912.8	1911.2	1917.8	1915.3	1911.2	1908.7	1904.5	1912.0
7.5°	1934.4	1934.4	1936.9	1940.2	1938.6	1948.5	1943.6	1937.7	1933.6	1928.6	1935.3
10°	1959.3	1961.0	1963.5	1970.2	1973.5	1984.3	1981.0	1972.6	1966.0	1960.2	1967.7
12.5°	1996.7	1998.4	2000.9	2010.0	2015.9	2026.7	2021.7	2010.0	2000.1	1991.8	2000.1
15°	2044.9	2043.3	2049.9	2061.6	2069.0	2079.0	2073.2	2053.2	2040.0	2029.1	2037.5
17.5°	2094.0	2093.1	2099.8	2114.7	2125.5	2138.8	2128.9	2105.6	2091.5	2078.2	2086.5
20°	2147.1	2149.6	2156.3	2170.4	2186.2	2203.6	2195.3	2170.4	2154.6	2139.7	2146.3
22.5°	2212.8	2213.6	2221.1	2239.4	2260.1	2276.8	2271.8	2241.0	2221.1	2205.3	2213.6
25°	2291.7	2290.9	2300.9	2322.5	2351.6	2368.2	2357.4	2323.3	2301.7	2283.4	2290.1
27.5°	2382.3	2381.5	2396.4	2424.7	2466.2	2489.5	2467.1	2424.7	2394.8	2369.0	2374.8
30°	2496.1	2493.6	2510.3	2548.5	2602.5	2641.5	2608.3	2549.3	2510.3	2482.8	2488.7
32.5°	2622.4	2625.8	2646.5	2698.1	2766.2	2816.9	2767.0	2701.4	2649.0	2609.1	2615.8
35°	2761.2	2761.2	2803.6	2867.6	2964.8	3032.1	2954.8	2860.1	2790.3	2735.4	2737.1
37.5°	2915.8	2917.4	2973.1	3061.2	3188.3	3267.2	3162.5	3045.4	2960.6	2901.6	2898.3
40°	3104.4	3109.4	3166.7	3264.8	3407.7	3480.0	3367.8	3253.1	3166.7	3096.9	3090.3
42.5°	3317.1	3318.8	3379.4	3467.5	3588.0	3631.2	3543.1	3449.2	3378.6	3315.4	3308.8
45°	3519.8	3515.7	3568.0	3633.7	3703.5	3707.6	3658.6	3620.4	3558.9	3504.9	3494.9
47.5°	3677.7	3674.4	3721.8	3757.5	3765.8	3725.1	3740.9	3746.7	3675.2	3602.1	3583.0
50°	3774.1	3780.8	3825.6	3845.6	3796.6	3730.1	3789.9	3774.9	3672.7	3577.2	3546.4
52.5°	3832.3	3842.3	3920.4	3971.0	3920.4	3857.2	3865.5	3777.4	3630.4	3504.1	3464.2
55°	3685.2	3725.1	3893.8	4118.1	4201.2	4157.2	3999.3	3772.5	3499.9	3316.3	3282.2
57.5°	2731.3	2794.4	3044.6	3530.7	4035.9	4196.2	3735.1	3162.5	2749.6	2513.6	2493.6
60°	1394.3	1464.9	1665.2	2164.6	2814.4	3040.4	2601.7	2025.0	1609.5	1418.4	1396.8
62.5°	569.2	580.8	646.5	839.2	1243.9	1435.0	1260.5	884.9	664.7	612.4	613.2
65°	447.9	450.4	447.0	458.7	521.0	578.3	534.3	469.5	457.8	463.7	459.5
67.5°	390.5	391.4	388.9	388.9	391.4	388.9	393.9	396.4	398.0	404.7	400.5
70°	326.6	327.4	327.4	329.1	328.2	324.1	331.5	334.9	335.7	339.9	337.4
72.5°	252.6	255.1	256.8	257.6	256.8	254.3	258.4	264.2	263.4	267.6	263.4
75°	171.2	174.5	176.2	179.5	178.7	178.7	183.6	186.1	183.6	187.0	183.6
77.5°	97.2	99.7	104.7	108.0	111.3	113.8	117.2	118.8	118.0	119.7	118.0
80°	56.5	57.3	61.5	63.2	67.3	71.5	74.8	76.4	77.3	78.1	77.3
82.5°	32.4	33.2	34.9	36.6	39.9	43.2	46.5	49.0	49.0	49.9	49.0
85°	15.8	15.8	16.6	17.4	19.1	21.6	24.1	26.6	27.4	27.4	27.4
87.5°	2.5	2.5	3.3	3.3	4.2	5.0	6.6	8.3	9.1	9.1	9.1
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)