

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: P633016

Luminaire Tested: GWS-SA2D-830-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633016  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-830-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

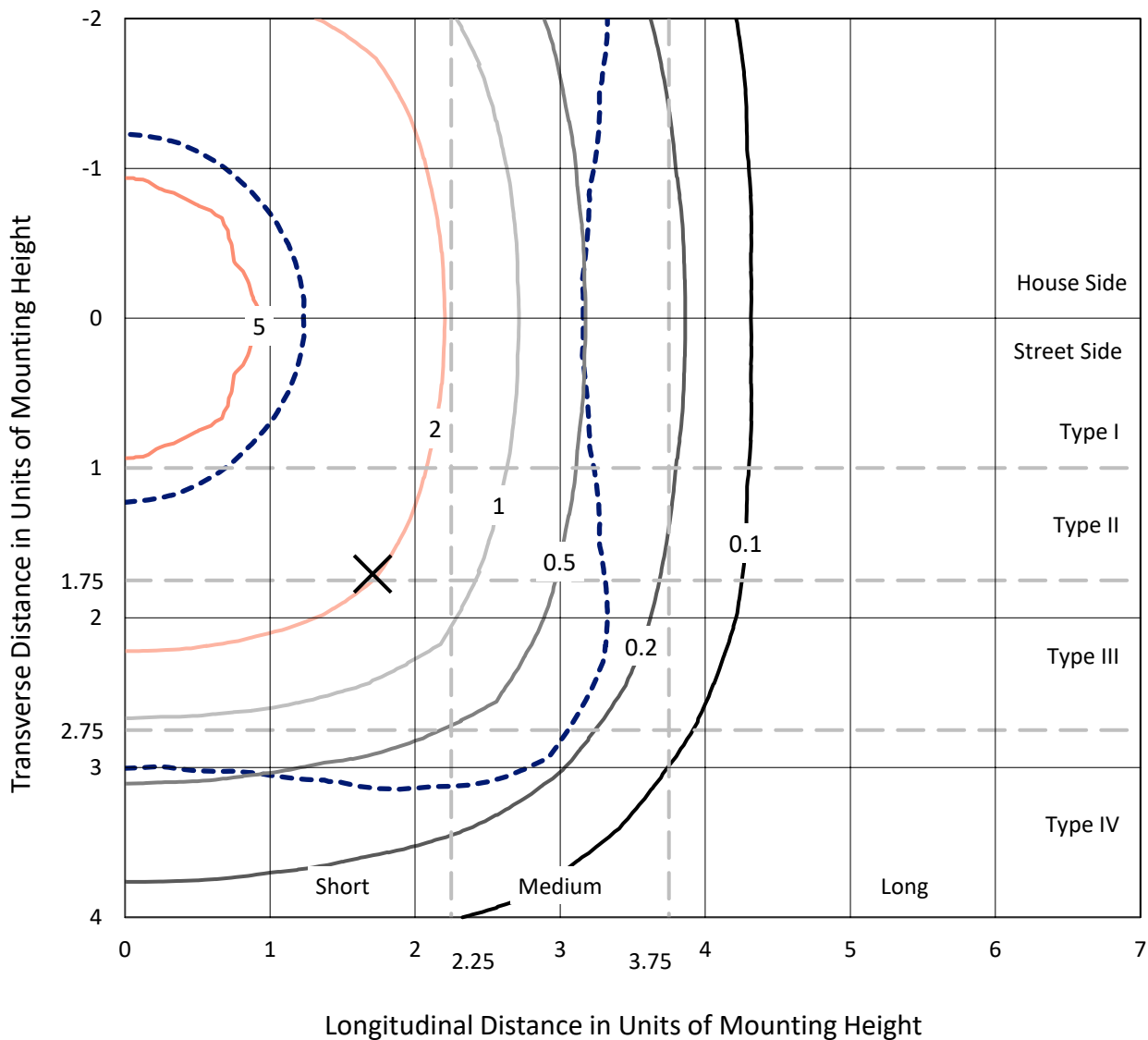
Lumens per Lamp: N/A  
Luminaire Lumens: 9403.4 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

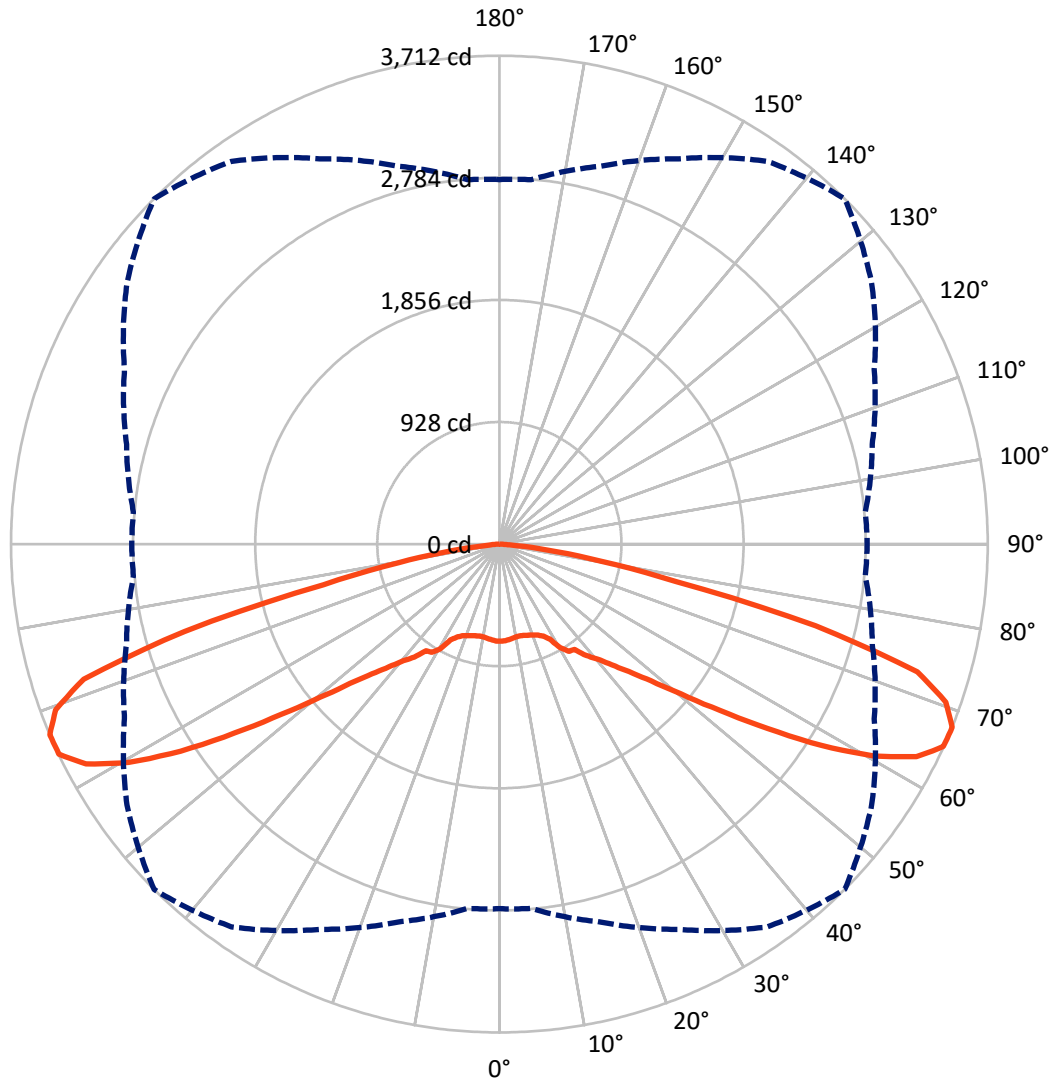
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 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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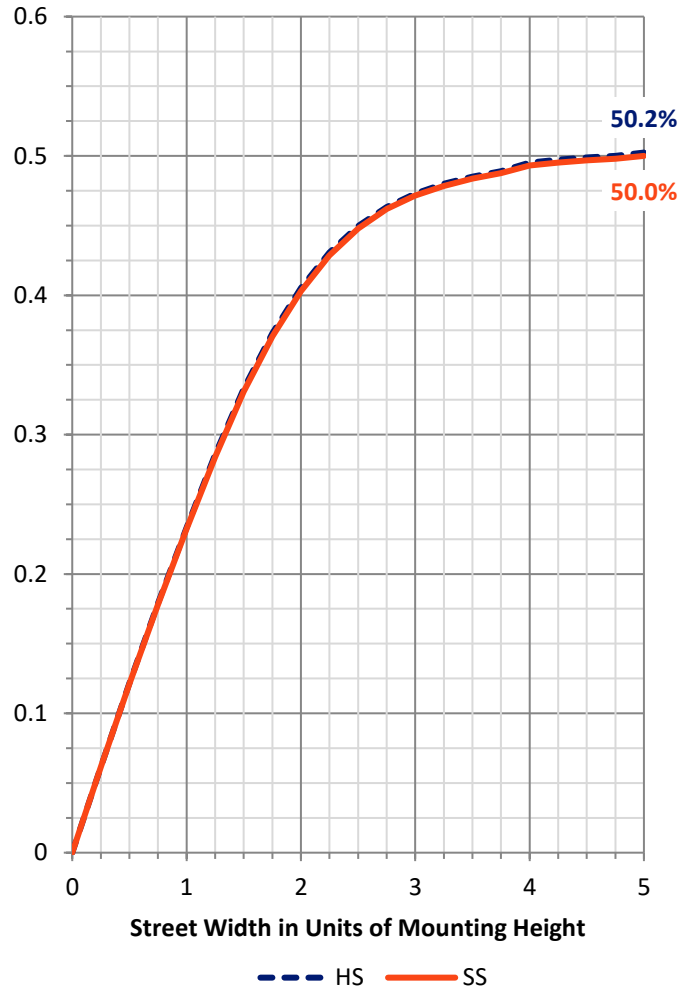
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4701.7	0.0	4701.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4701.7	0.0	4701.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9403.4	0.0	9403.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.2	0.7
10°-20°	205.5	2.2
20°-30°	368.6	3.9
30°-40°	622.6	6.6
40°-50°	1094.0	11.6
50°-60°	2110.3	22.4
60°-70°	3061.8	32.6
70°-80°	1751.8	18.6
80°-90°	119.6	1.3
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°	9403.4	100.0
0°-180°	9403.4	100.0

**Coefficient of Utilization**



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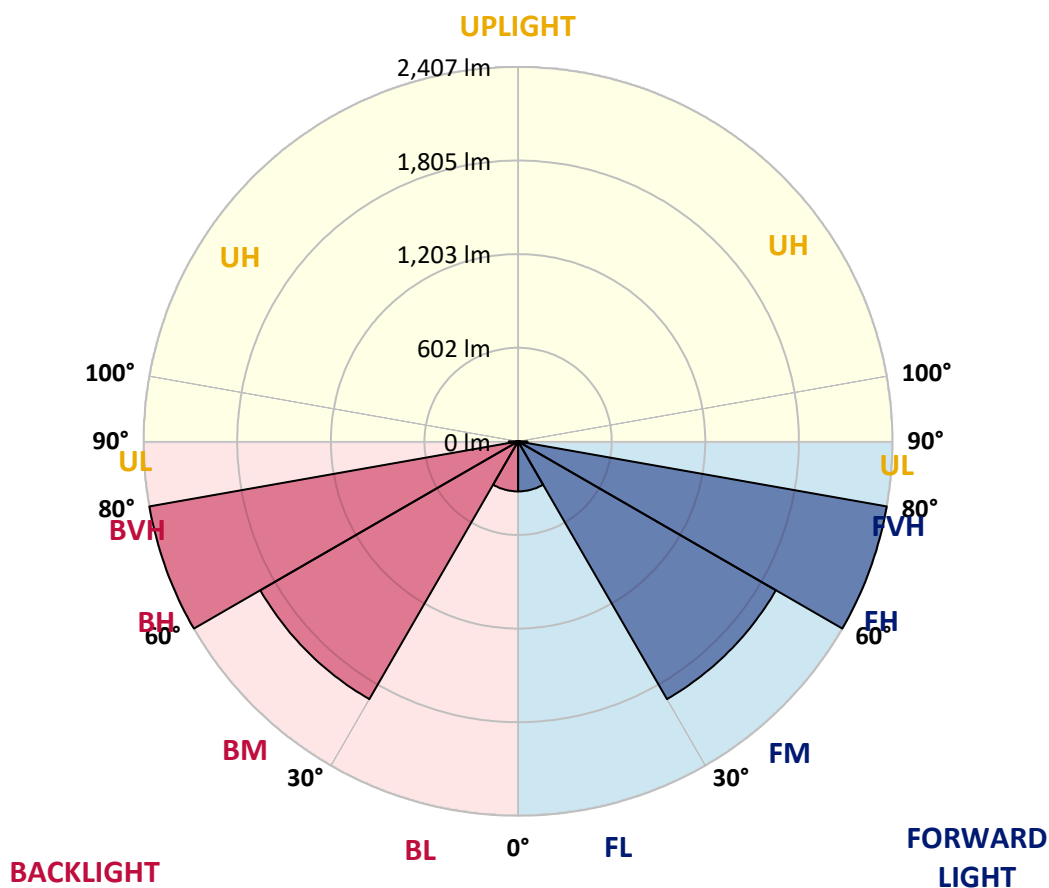
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.6	3.4			
FM (30°-60°)	1913.5	20.3			
FH (60°-80°)	2406.8	25.6			G2/5000
FVH (80°-90°)	59.8	0.6			G1/100
BL (0°-30°)	321.6	3.4	B1/500		
BM (30°-60°)	1913.5	20.3	B2/2500		
BH (60°-80°)	2406.8	25.6	B3/2500		G2/5000
BVH (80°-90°)	59.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	737.4	737.4	737.4	737.4	737.4	737.4	737.4	737.4	737.4	737.4	737.4
2.5°	731.4	732.1	733.4	733.4	734.8	736.8	737.4	736.1	736.8	733.4	736.8
5°	729.4	730.1	730.8	729.4	729.4	730.1	730.1	728.8	729.4	726.1	729.4
7.5°	724.8	725.4	725.4	723.5	721.5	722.8	722.8	721.5	722.1	718.8	722.8
10°	720.8	720.8	720.1	716.1	714.1	716.1	716.8	717.5	720.1	717.5	722.1
12.5°	723.5	723.5	721.5	716.1	712.8	714.1	715.5	716.8	721.5	720.8	726.1
15°	730.8	731.4	726.1	720.1	718.1	720.1	718.8	718.1	724.1	726.1	732.1
17.5°	736.8	736.8	730.1	724.1	724.8	728.1	725.4	722.1	728.1	732.1	738.7
20°	742.1	741.4	734.1	730.1	732.8	737.4	735.4	730.8	734.8	739.4	745.4
22.5°	755.4	754.7	746.7	744.7	747.4	752.0	750.1	746.1	750.7	757.4	764.7
25°	793.3	791.9	780.0	773.3	772.0	775.3	774.7	773.3	780.6	788.6	797.3
27.5°	843.8	843.1	834.5	827.9	819.2	816.5	818.5	824.5	835.2	841.1	848.5
30°	869.1	869.1	867.7	878.4	897.0	915.0	901.0	878.4	869.1	866.4	873.7
32.5°	902.3	905.6	901.0	913.0	944.2	970.8	944.2	907.6	901.0	901.0	909.0
35°	978.8	980.1	972.8	970.8	980.8	984.1	971.5	958.2	965.5	966.8	976.8
37.5°	1040.0	1040.0	1036.6	1042.0	1062.6	1075.2	1054.6	1030.7	1032.7	1034.0	1046.6
40°	1134.4	1137.0	1129.1	1128.4	1136.4	1147.7	1125.7	1110.4	1121.1	1124.4	1143.7
42.5°	1252.1	1252.1	1240.1	1236.8	1242.1	1254.1	1233.5	1223.5	1237.5	1240.1	1251.4
45°	1392.4	1395.7	1379.8	1373.8	1376.4	1380.4	1365.8	1361.1	1374.4	1380.4	1400.4
47.5°	1563.3	1566.6	1552.6	1552.0	1549.3	1552.0	1538.0	1535.3	1546.0	1541.3	1562.6
50°	1774.1	1780.0	1768.1	1784.7	1782.7	1790.7	1771.4	1757.4	1757.4	1744.8	1756.8
52.5°	2010.1	2022.1	2028.1	2056.0	2077.3	2097.2	2065.3	2043.4	2011.4	1985.5	2018.1
55°	2267.4	2264.1	2302.0	2363.2	2425.7	2472.9	2410.4	2341.3	2289.4	2235.5	2248.2
57.5°	2492.9	2504.2	2554.0	2665.7	2789.4	2889.2	2776.8	2643.8	2526.1	2449.0	2459.6
60°	2680.4	2689.7	2756.2	2917.1	3133.2	3270.8	3092.6	2873.2	2702.3	2595.9	2607.2
62.5°	2853.3	2861.9	2929.1	3106.6	3379.2	3558.8	3328.7	3028.8	2838.6	2731.6	2738.2
65°	2953.0	2958.3	3050.1	3236.9	3524.2	3709.7	3450.4	3141.2	2954.3	2845.3	2849.3
67.5°	2771.5	2780.1	2973.6	3231.6	3552.1	3712.4	3455.7	3144.5	2934.4	2792.1	2795.4
70°	2186.3	2179.0	2409.7	2853.3	3391.9	3600.7	3302.1	2908.4	2584.0	2385.1	2381.8
72.5°	1667.0	1669.0	1797.3	2101.2	2765.5	3322.7	2913.8	2341.9	1992.2	1841.2	1835.2
75°	1208.9	1227.5	1331.9	1554.6	1934.3	2483.6	2193.6	1735.5	1501.4	1411.0	1397.7
77.5°	544.6	568.5	714.1	976.1	1293.3	1372.4	1377.8	1178.3	889.0	738.7	715.5
80°	158.9	170.2	218.8	374.4	602.4	778.6	618.4	520.0	323.8	254.0	242.0
82.5°	67.2	76.5	93.8	103.7	174.9	361.1	224.7	143.0	133.0	107.7	98.4
85°	28.6	30.6	39.2	41.9	56.5	77.1	71.1	64.5	61.8	47.9	43.9
87.5°	12.0	12.0	12.0	10.6	10.0	10.6	14.6	18.6	24.6	19.3	18.0
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)