

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: P630263

Luminaire Tested: GWS-SA1D-735-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630263  
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-SA1D-735-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

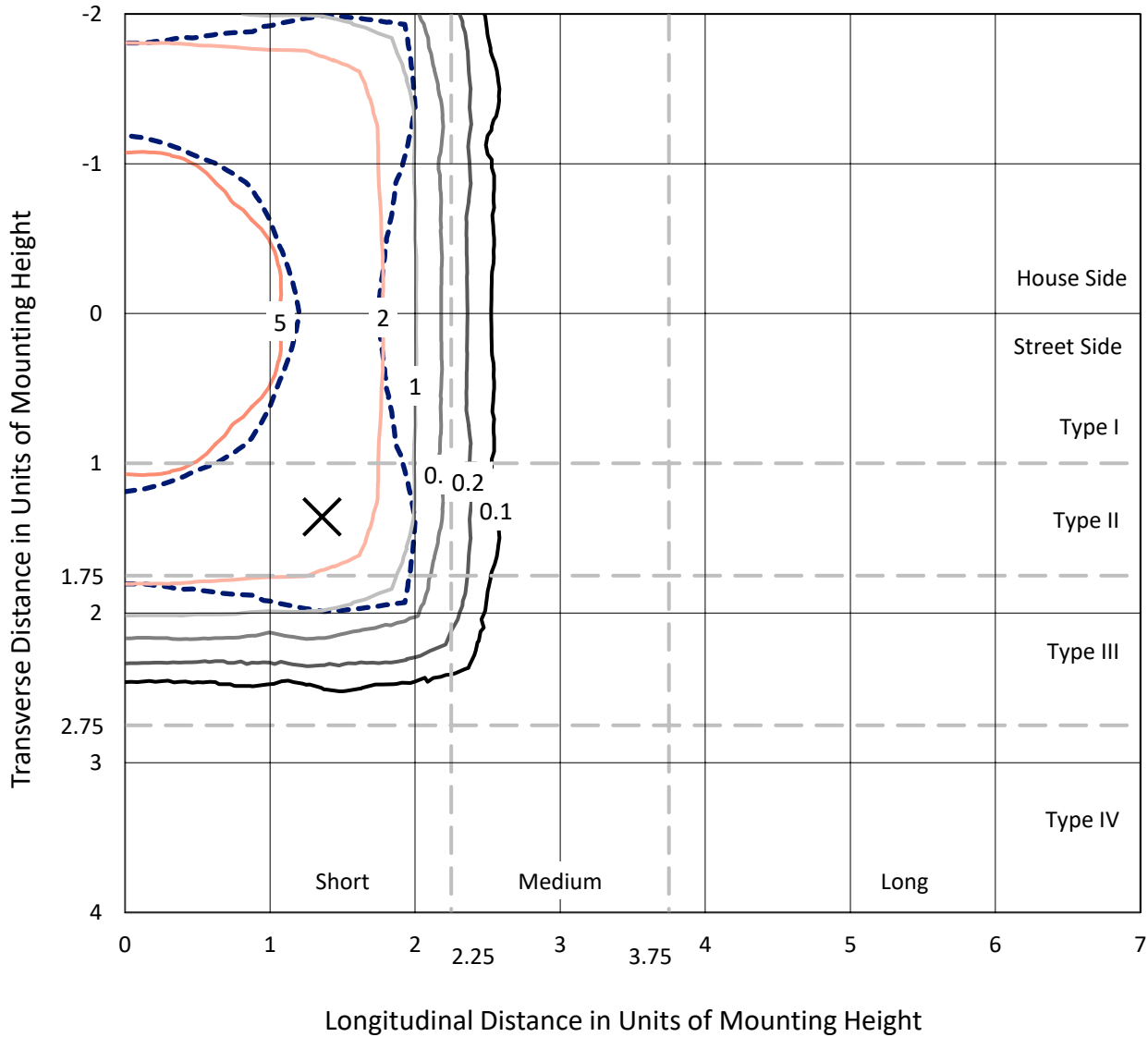
Lumens per Lamp: N/A  
Luminaire Lumens: 6251 lumens  
Efficiency: N/A  
Efficacy: 141.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

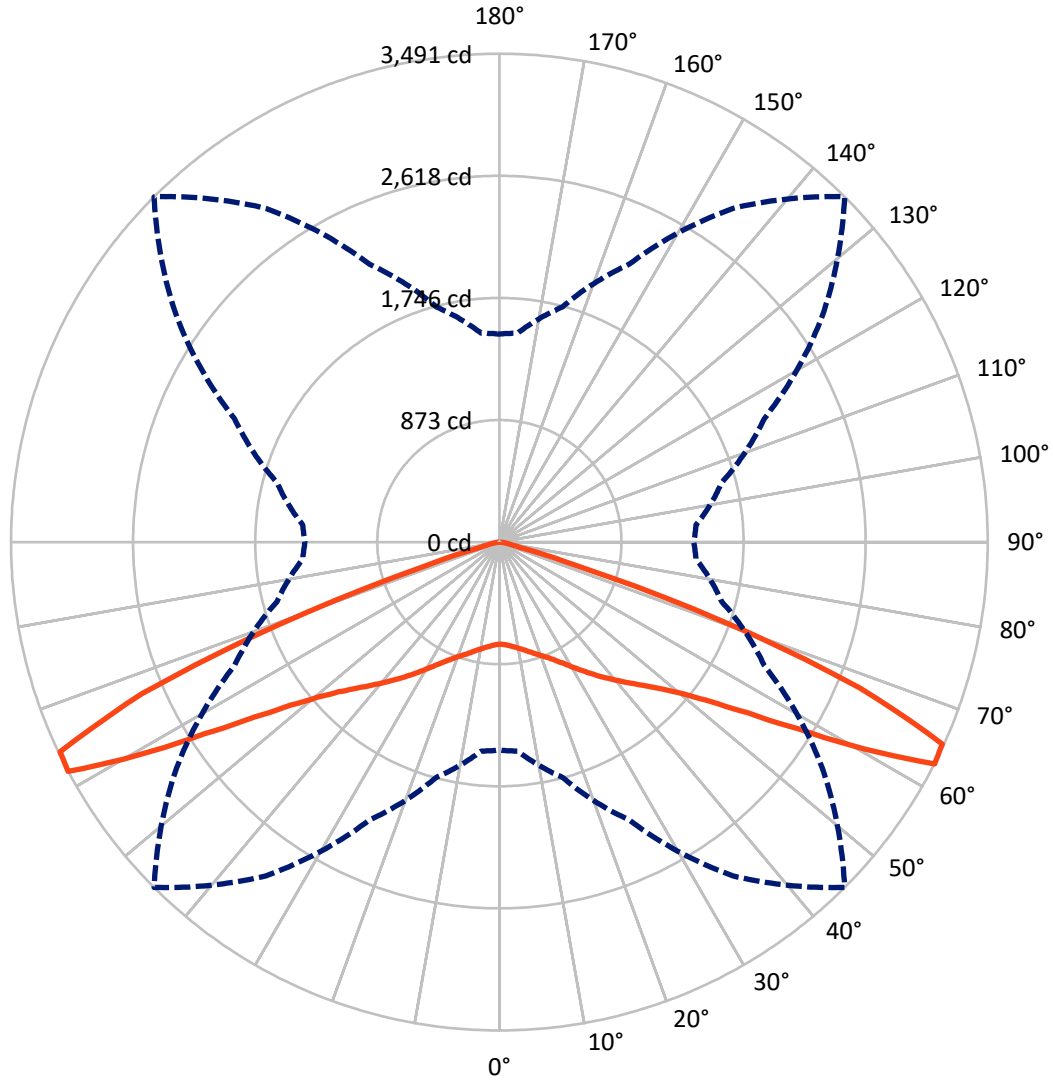
✕ Max cd  
 - - - 1/2 Max cd



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 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3125.5	0.0	3125.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3125.5	0.0	3125.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6251.0	0.0	6251.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.5	1.1
10°-20°	230.7	3.7
20°-30°	436.5	7.0
30°-40°	734.7	11.8
40°-50°	1173.9	18.8
50°-60°	1892.3	30.3
60°-70°	1543.9	24.7
70°-80°	149.9	2.4
80°-90°	17.5	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°	6251.0	100.0
0°-180°	6251.0	100.0

**Coefficient of Utilization**



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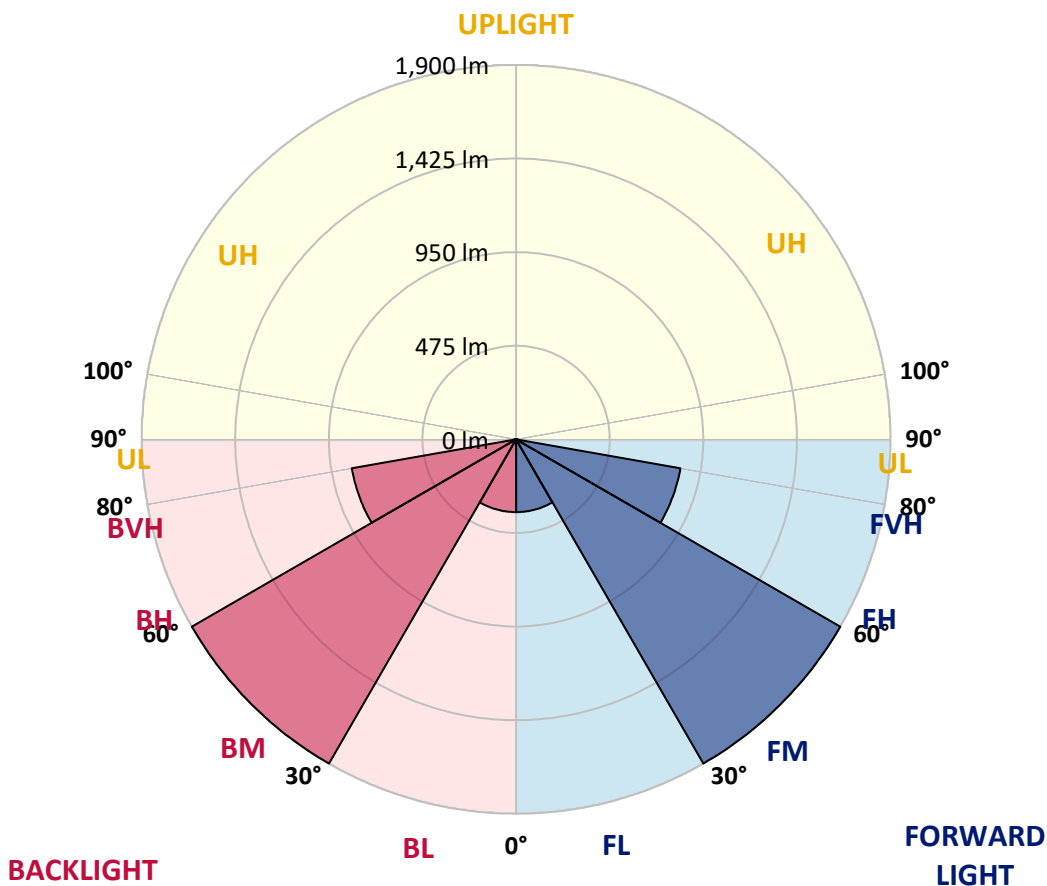
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.4	5.9			
FM (30°-60°)	1900.5	30.4			
FH (60°-80°)	846.9	13.5			G1/1800
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	369.4	5.9	B1/500		
BM (30°-60°)	1900.5	30.4	B2/2500		
BH (60°-80°)	846.9	13.5	B2/1000		G1/1800
BVH (80°-90°)	8.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3
2.5°	728.4	728.4	730.1	731.4	730.5	734.0	733.6	732.7	732.3	731.0	734.8
5°	738.3	738.3	739.6	740.8	738.7	743.0	741.3	740.4	740.0	738.3	741.7
7.5°	749.4	750.7	751.1	753.3	752.0	756.7	755.4	753.7	752.8	750.7	753.7
10°	761.8	762.7	763.1	767.0	767.4	773.0	771.7	769.6	767.8	765.7	770.0
12.5°	778.6	779.0	780.3	785.0	786.3	790.6	790.1	787.1	785.0	782.0	786.7
15°	800.0	800.4	802.6	807.3	809.4	814.6	812.9	808.1	805.1	801.7	805.6
17.5°	822.3	824.0	826.2	830.9	833.9	839.9	837.7	832.6	830.0	826.6	829.2
20°	851.0	851.5	852.7	857.9	860.0	866.9	867.3	862.2	860.9	857.5	861.3
22.5°	882.7	883.2	884.5	890.0	893.9	898.2	900.8	897.8	895.6	891.3	896.0
25°	917.9	922.2	923.5	930.3	934.6	937.2	940.2	938.9	935.9	930.8	932.9
27.5°	967.2	968.1	970.2	977.9	980.5	983.1	986.1	986.5	982.2	976.2	979.2
30°	1023.4	1022.9	1027.7	1033.7	1035.8	1037.9	1042.2	1044.8	1039.2	1032.8	1035.8
32.5°	1080.8	1086.0	1092.0	1097.5	1096.3	1097.1	1104.0	1108.7	1101.0	1089.4	1092.0
35°	1145.6	1149.0	1156.7	1164.8	1163.1	1161.8	1166.1	1170.9	1160.1	1145.1	1149.0
37.5°	1212.0	1217.2	1228.7	1238.6	1236.0	1230.0	1234.7	1239.9	1229.6	1212.4	1210.7
40°	1286.2	1294.3	1311.0	1319.2	1312.3	1300.8	1308.9	1321.3	1311.0	1291.3	1286.6
42.5°	1373.2	1383.1	1399.8	1412.2	1397.2	1378.4	1392.1	1410.1	1407.5	1381.4	1373.2
45°	1480.8	1487.3	1507.8	1513.8	1491.5	1465.4	1490.3	1517.7	1511.3	1483.0	1472.2
47.5°	1597.9	1607.7	1625.7	1636.9	1600.9	1568.3	1603.0	1639.9	1633.0	1606.4	1594.0
50°	1747.1	1759.9	1783.5	1792.9	1743.2	1705.9	1750.5	1797.2	1783.9	1748.3	1732.1
52.5°	1909.5	1919.8	1960.1	1979.0	1932.3	1892.0	1931.0	1976.9	1948.6	1901.4	1879.5
55°	2052.7	2063.0	2122.2	2184.8	2182.6	2154.8	2174.5	2175.4	2098.6	2020.6	1997.4
57.5°	2083.6	2093.9	2206.7	2370.4	2486.2	2518.3	2460.5	2338.7	2145.3	2008.6	1982.4
60°	1919.0	1930.6	2109.8	2409.0	2789.7	3004.5	2737.8	2335.3	2000.9	1815.7	1790.8
62.5°	1486.8	1499.3	1740.2	2189.5	2912.3	3491.1	2818.4	2089.6	1645.9	1411.4	1389.5
65°	710.0	710.0	1016.1	1570.4	2668.0	3479.5	2585.2	1546.0	990.8	761.0	742.1
67.5°	175.8	176.6	261.5	611.4	1814.8	2776.9	1844.4	742.1	349.0	246.9	240.5
70°	109.8	109.3	121.3	165.5	634.9	1685.3	754.1	223.8	141.9	125.2	124.3
72.5°	85.3	85.3	91.3	105.9	166.3	574.1	219.9	124.3	102.9	92.6	92.6
75°	67.3	67.3	71.6	79.3	98.2	147.9	117.0	92.2	79.7	72.9	72.0
77.5°	50.2	51.0	54.4	59.6	66.9	83.2	74.2	69.5	62.2	57.0	55.3
80°	32.6	33.9	38.2	41.2	43.7	54.9	48.4	50.6	47.2	41.2	40.3
82.5°	17.6	18.0	23.2	24.0	24.9	30.0	30.9	32.2	33.4	26.2	24.4
85°	6.4	6.4	7.7	9.0	9.9	10.7	14.6	18.0	18.9	15.0	14.6
87.5°	1.3	1.3	1.3	0.9	0.9	0.9	2.6	4.7	7.7	6.0	6.0
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)