

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: P630425

Luminaire Tested: GWS-SA1D-760-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-760-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

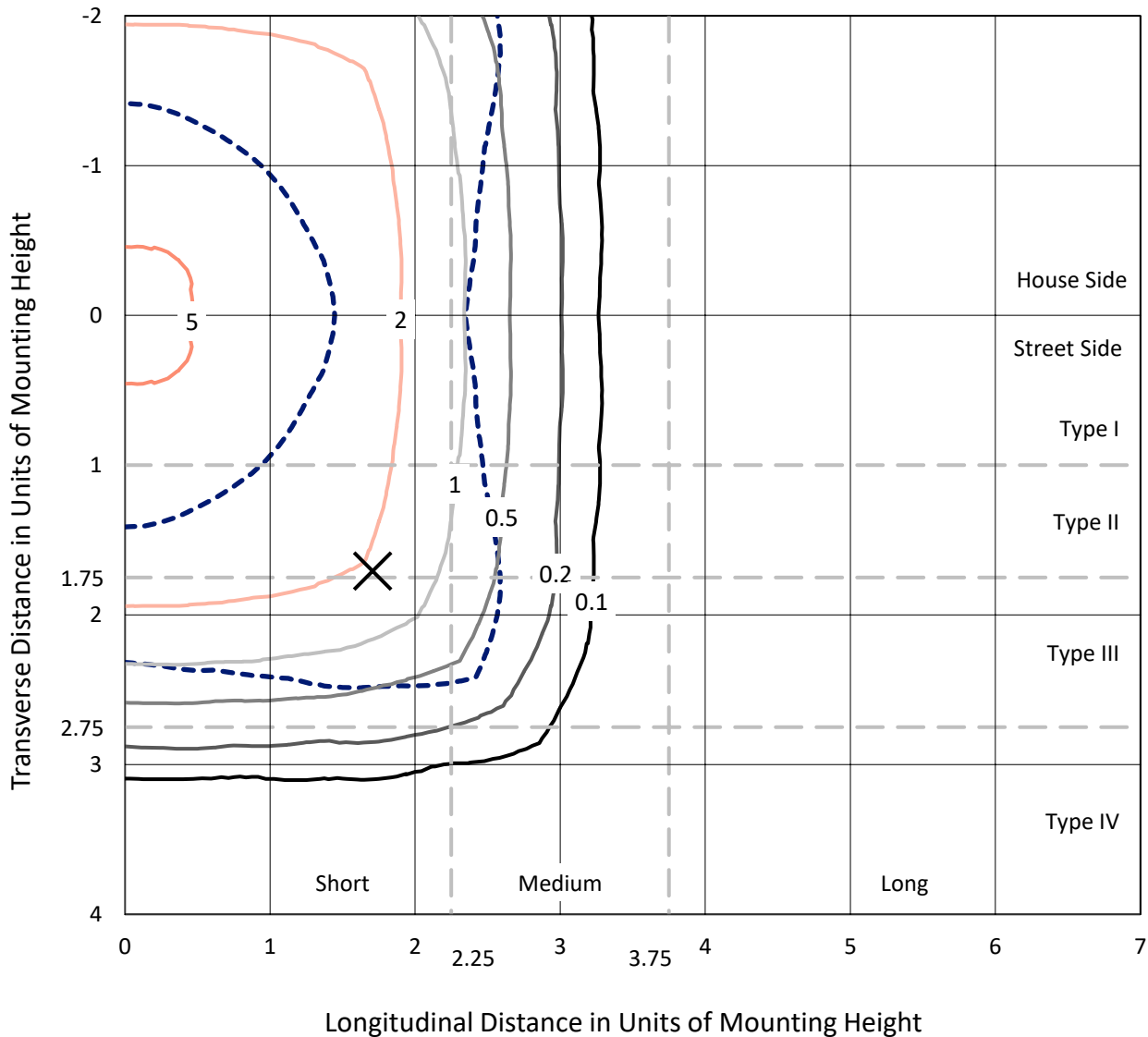
Lumens per Lamp: N/A  
Luminaire Lumens: 6335.5 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

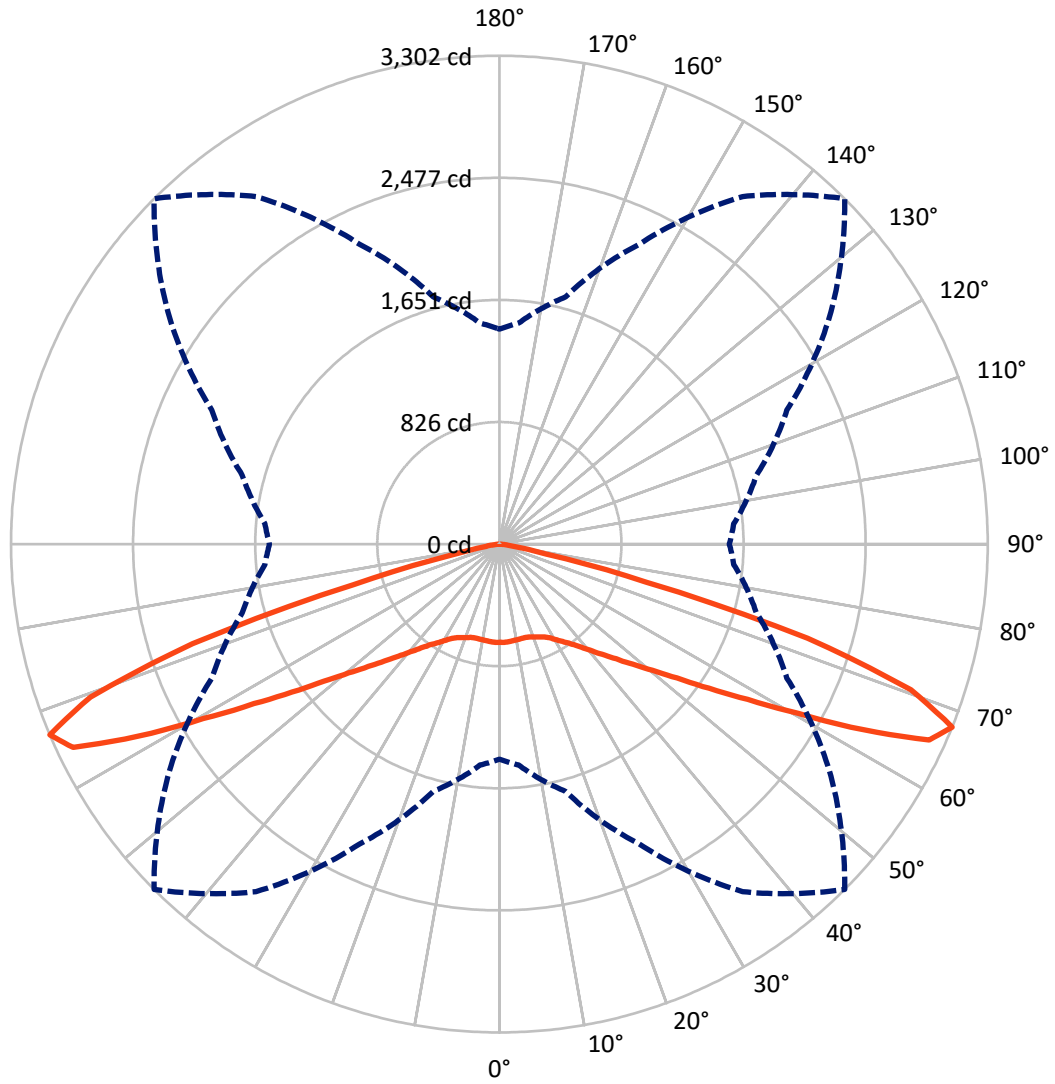
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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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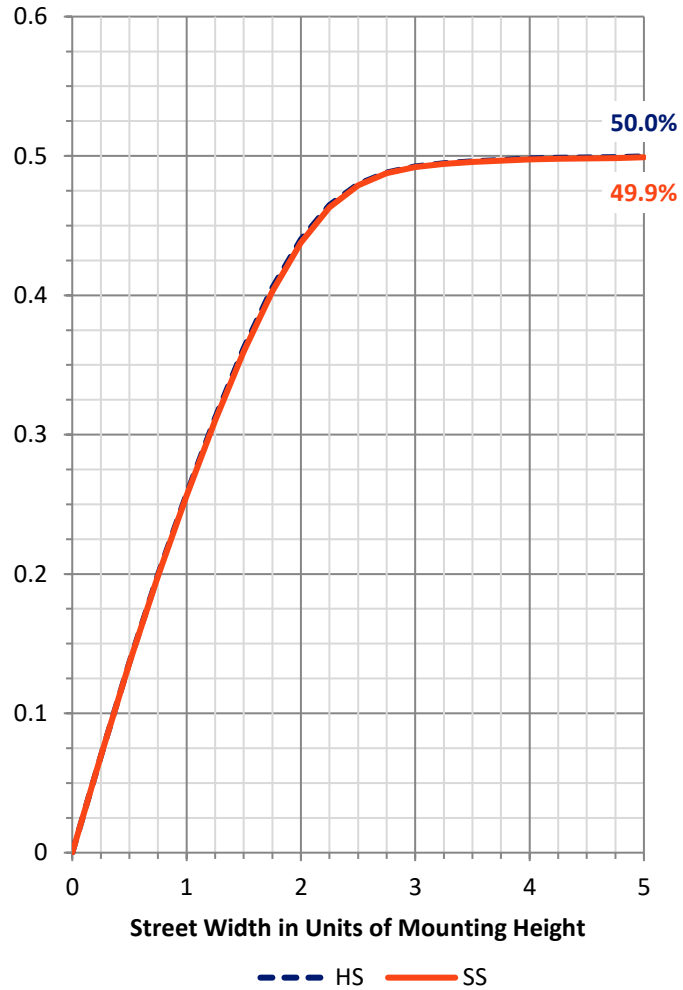
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3167.7	0.0	3167.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3167.7	0.0	3167.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6335.5	0.0	6335.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.8	1.0
10°-20°	184.5	2.9
20°-30°	318.1	5.0
30°-40°	517.3	8.2
40°-50°	871.0	13.7
50°-60°	1543.3	24.4
60°-70°	2206.0	34.8
70°-80°	605.5	9.6
80°-90°	27.1	0.4
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°	6335.5	100.0
0°-180°	6335.5	100.0

**Coefficient of Utilization**

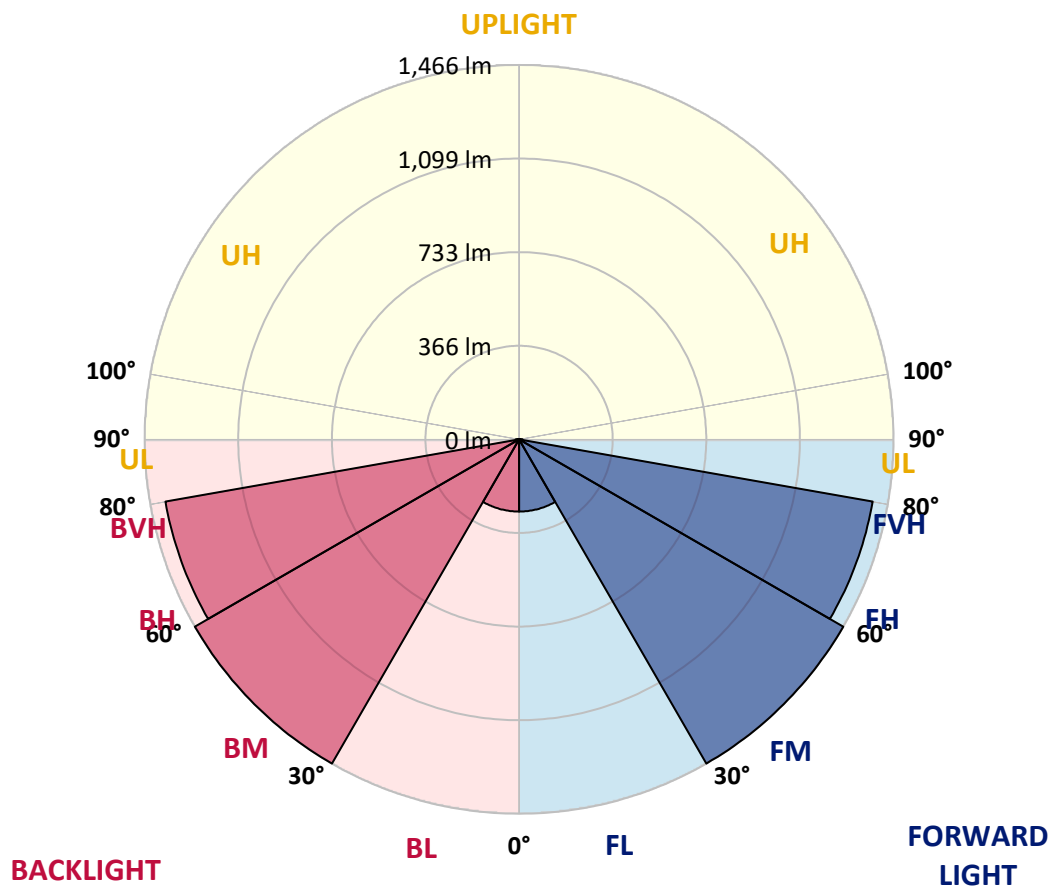


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.7	4.5			
FM (30°-60°)	1465.8	23.1			
FH (60°-80°)	1405.7	22.2			G1/1800
FVH (80°-90°)	13.6	0.2			G1/100
BL (0°-30°)	282.7	4.5	B1/500		
BM (30°-60°)	1465.8	23.1	B2/2500		
BH (60°-80°)	1405.7	22.2	B3/2500		G1/1800
BVH (80°-90°)	13.6	0.2			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°	663.5	663.5	663.5	663.5	663.5	663.5	663.5	663.5	663.5	663.5	663.5
2.5°	659.1	658.7	660.9	662.2	661.8	664.8	664.4	663.5	663.5	662.2	665.7
5°	659.1	658.7	660.5	660.9	660.0	662.7	661.8	660.9	660.9	659.1	662.2
7.5°	655.6	656.1	657.4	658.3	657.4	659.6	658.3	656.5	656.1	654.3	657.4
10°	649.1	649.5	650.8	653.0	653.4	657.4	655.2	652.1	650.8	649.1	652.1
12.5°	645.1	645.6	646.9	649.5	650.4	655.6	653.4	648.6	646.4	644.7	647.7
15°	644.2	644.7	646.4	649.1	650.4	655.6	653.4	647.7	644.7	642.5	645.1
17.5°	644.2	645.1	647.7	651.7	654.3	659.6	657.0	650.4	646.0	642.0	644.7
20°	644.7	646.0	649.9	655.6	662.2	669.7	666.2	657.4	651.3	646.4	648.2
22.5°	648.6	650.8	655.6	663.1	672.7	681.5	678.4	666.6	657.8	651.3	653.0
25°	662.2	663.1	669.2	678.9	688.1	695.5	692.5	681.5	670.5	662.7	664.8
27.5°	686.3	688.5	693.8	703.9	711.8	715.7	715.3	707.8	696.9	689.8	691.6
30°	715.3	717.5	724.5	735.9	743.8	748.2	746.9	741.2	731.1	721.4	723.2
32.5°	749.1	749.9	758.3	771.0	779.3	785.9	781.5	775.4	762.6	751.2	752.1
35°	792.0	793.3	802.1	814.0	820.5	825.8	824.9	818.8	805.2	792.9	796.0
37.5°	846.0	846.8	854.7	869.7	874.9	878.9	879.7	876.7	862.6	846.8	849.9
40°	913.1	913.5	922.3	935.4	941.1	943.8	944.2	944.6	930.2	918.3	917.5
42.5°	991.1	993.3	1005.6	1018.3	1021.0	1019.6	1024.0	1028.4	1014.4	998.1	999.5
45°	1084.5	1085.9	1102.5	1116.6	1111.7	1107.3	1115.7	1124.5	1111.7	1090.7	1084.5
47.5°	1195.1	1197.7	1215.7	1229.7	1221.8	1213.9	1227.5	1236.7	1216.1	1193.7	1188.0
50°	1320.0	1321.8	1347.2	1364.8	1355.6	1341.1	1358.2	1367.8	1340.2	1312.6	1300.3
52.5°	1467.8	1464.3	1498.1	1528.8	1523.1	1504.2	1518.3	1520.0	1478.8	1439.8	1427.5
55°	1648.1	1644.6	1678.3	1712.1	1726.1	1721.3	1714.7	1704.2	1643.3	1601.6	1590.2
57.5°	1858.2	1847.2	1894.6	1940.2	1970.9	1979.6	1951.6	1927.0	1878.8	1827.5	1814.3
60°	2053.3	2052.9	2127.9	2206.8	2291.0	2326.1	2255.0	2188.4	2080.1	1986.6	1967.8
62.5°	2108.1	2117.3	2240.1	2435.7	2643.6	2767.7	2580.5	2359.9	2150.7	2009.9	1984.9
65°	1973.1	1995.9	2170.4	2479.1	2889.6	3193.1	2770.3	2363.8	2072.2	1896.7	1870.4
67.5°	1454.2	1499.9	1731.0	2237.1	2868.6	3302.3	2736.6	2145.0	1799.8	1591.1	1554.7
70°	717.5	760.9	944.2	1471.8	2360.3	2951.9	2367.8	1616.5	1215.7	1014.8	981.5
72.5°	264.0	281.6	353.5	629.8	1302.5	2180.5	1619.1	903.0	589.0	468.8	446.4
75°	129.4	132.4	143.4	211.4	480.7	1026.2	760.9	346.5	216.6	188.6	182.4
77.5°	82.4	83.8	89.0	100.9	154.4	323.2	230.7	136.8	106.1	101.7	101.7
80°	46.0	47.4	54.4	62.7	72.4	111.0	82.9	82.0	69.7	61.0	59.6
82.5°	21.9	24.1	34.6	34.2	38.2	55.7	48.7	44.3	44.7	33.8	32.0
85°	10.1	10.1	13.6	16.2	17.1	18.9	22.4	25.4	25.0	17.1	18.4
87.5°	4.8	4.8	4.8	4.4	3.9	3.5	4.8	7.9	11.4	7.9	7.5
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)