

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: P630376

Luminaire Tested: GWS-SA1D-750-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630376  
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-SA1D-750-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

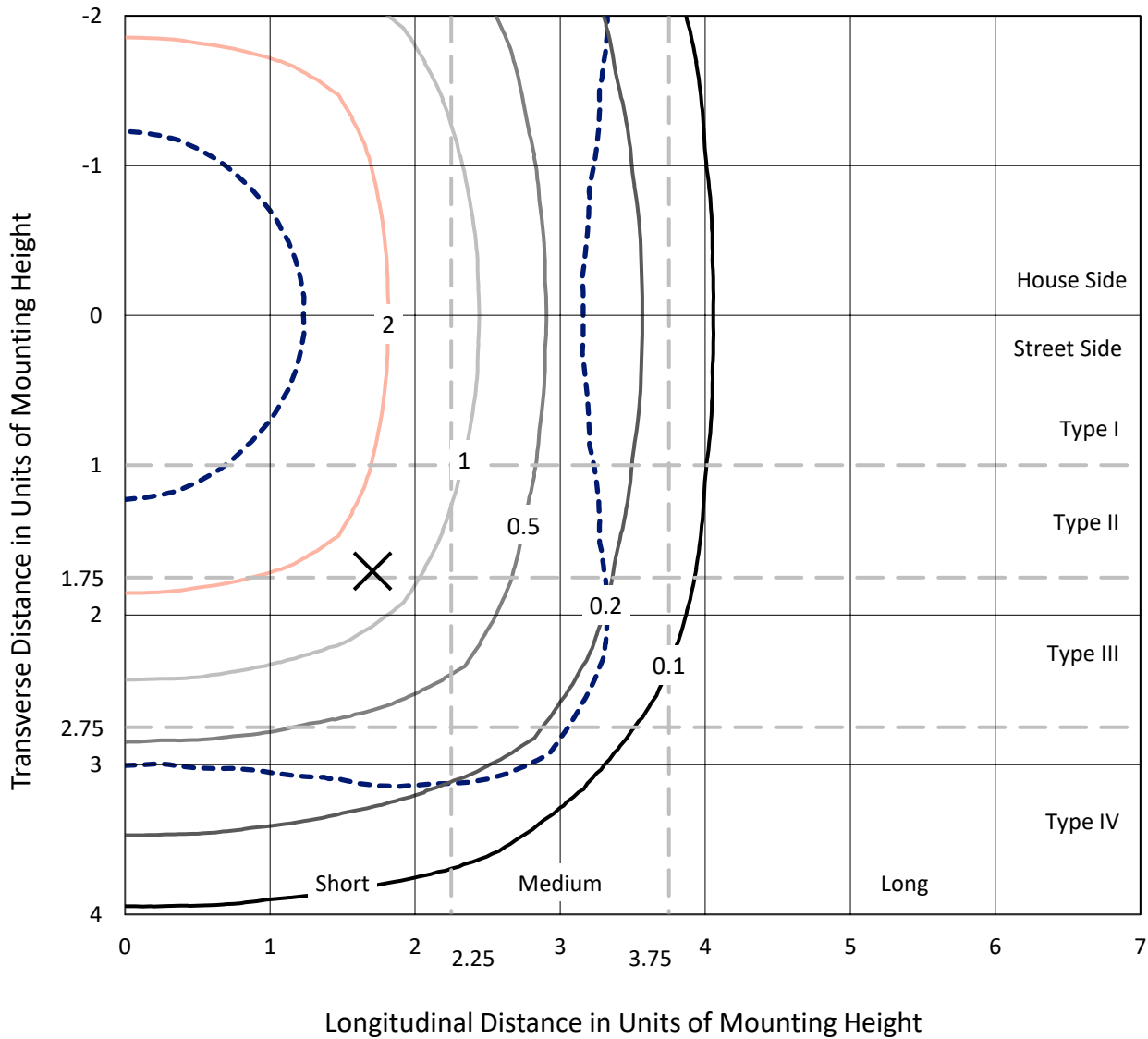
Lumens per Lamp: N/A  
Luminaire Lumens: 6288.3 lumens  
Efficiency: N/A  
Efficacy: 141.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

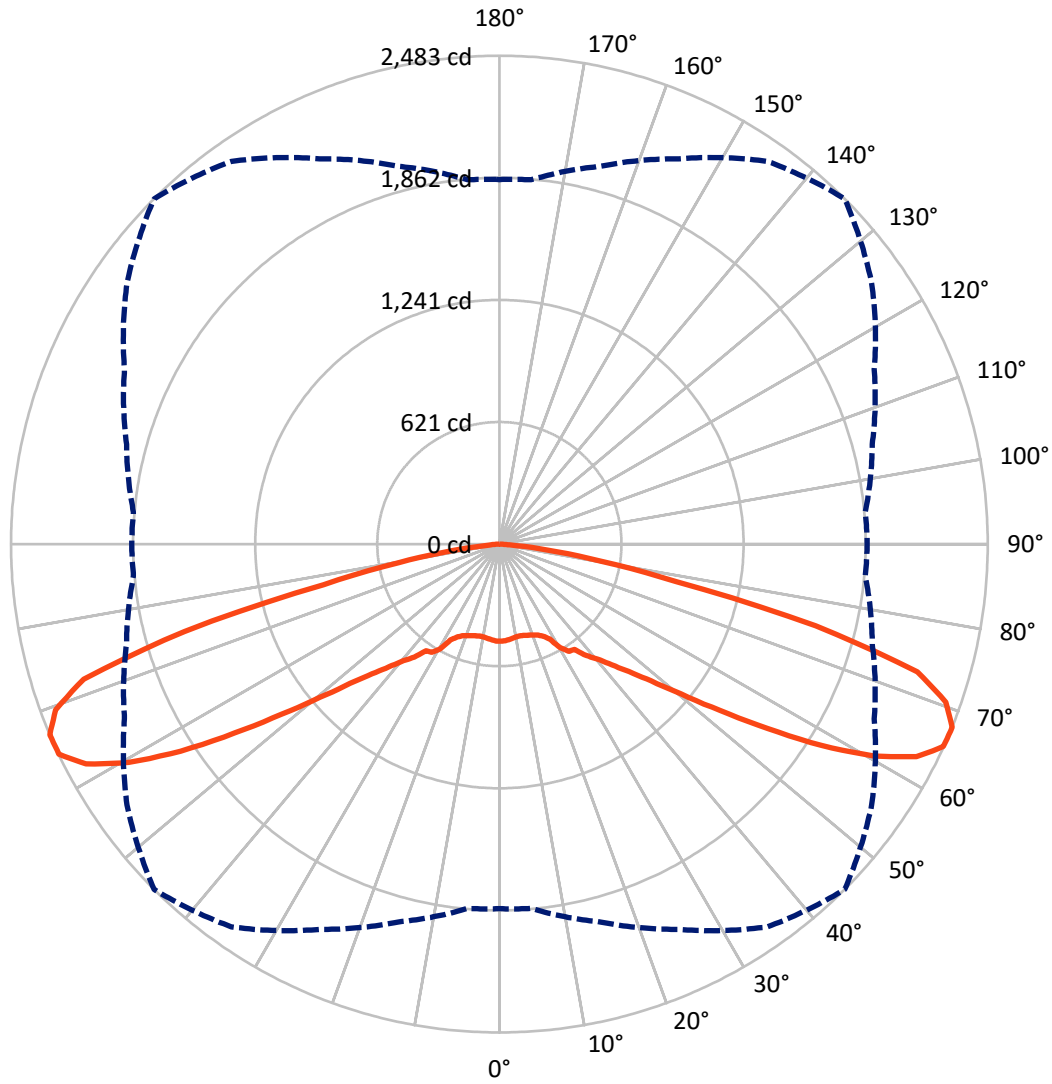
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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	3144.2	0.0	3144.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3144.2	0.0	3144.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6288.3	0.0	6288.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.3	0.7
10°-20°	137.4	2.2
20°-30°	246.5	3.9
30°-40°	416.4	6.6
40°-50°	731.6	11.6
50°-60°	1411.2	22.4
60°-70°	2047.5	32.6
70°-80°	1171.5	18.6
80°-90°	80.0	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°	6288.3	100.0
0°-180°	6288.3	100.0

**Coefficient of Utilization**



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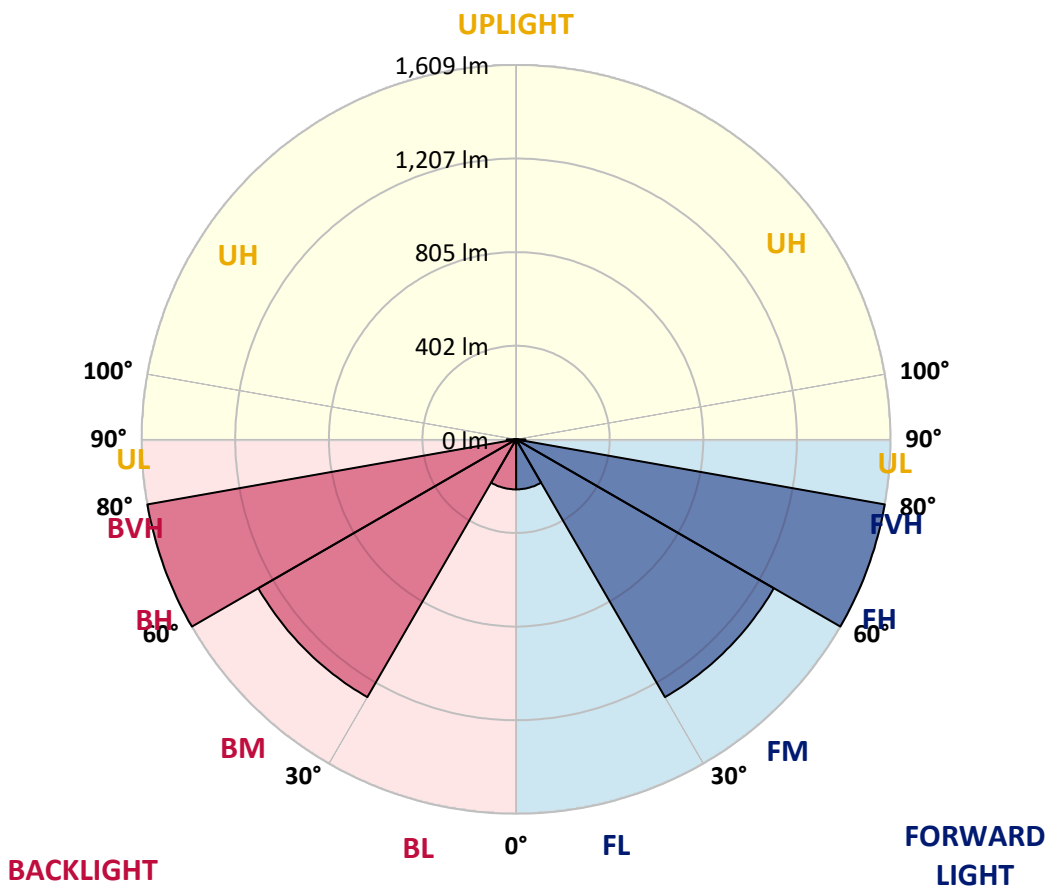
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.1	3.4			
FM (30°-60°)	1279.6	20.3			
FH (60°-80°)	1609.5	25.6			G1/1800
FVH (80°-90°)	40.0	0.6			G1/100
BL (0°-30°)	215.1	3.4	B1/500		
BM (30°-60°)	1279.6	20.3	B2/2500		
BH (60°-80°)	1609.5	25.6	B3/2500		G1/1800
BVH (80°-90°)	40.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		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°	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1	493.1
2.5°	489.1	489.6	490.5	490.5	491.4	492.7	493.1	492.2	492.7	490.5	492.7
5°	487.8	488.2	488.7	487.8	487.8	488.2	488.2	487.4	487.8	485.6	487.8
7.5°	484.7	485.1	485.1	483.8	482.5	483.3	483.3	482.5	482.9	480.7	483.3
10°	482.0	482.0	481.6	478.9	477.6	478.9	479.3	479.8	481.6	479.8	482.9
12.5°	483.8	483.8	482.5	478.9	476.7	477.6	478.5	479.3	482.5	482.0	485.6
15°	488.7	489.1	485.6	481.6	480.2	481.6	480.7	480.2	484.2	485.6	489.6
17.5°	492.7	492.7	488.2	484.2	484.7	486.9	485.1	482.9	486.9	489.6	494.0
20°	496.2	495.8	490.9	488.2	490.0	493.1	491.8	488.7	491.4	494.5	498.5
22.5°	505.1	504.7	499.4	498.0	499.8	502.9	501.6	498.9	502.0	506.5	511.4
25°	530.5	529.6	521.6	517.1	516.3	518.5	518.0	517.1	522.0	527.4	533.2
27.5°	564.3	563.8	558.1	553.6	547.8	546.0	547.4	551.4	558.5	562.5	567.4
30°	581.2	581.2	580.3	587.4	599.9	611.9	602.5	587.4	581.2	579.4	584.3
32.5°	603.4	605.6	602.5	610.5	631.4	649.2	631.4	607.0	602.5	602.5	607.9
35°	654.5	655.4	650.5	649.2	655.9	658.1	649.7	640.8	645.7	646.5	653.2
37.5°	695.5	695.5	693.2	696.8	710.6	719.0	705.2	689.2	690.6	691.5	699.9
40°	758.6	760.4	755.0	754.6	759.9	767.5	752.8	742.6	749.7	751.9	764.8
42.5°	837.3	837.3	829.3	827.1	830.6	838.6	824.8	818.2	827.5	829.3	836.9
45°	931.1	933.3	922.7	918.7	920.5	923.1	913.3	910.2	919.1	923.1	936.5
47.5°	1045.4	1047.6	1038.3	1037.8	1036.1	1037.8	1028.5	1026.7	1033.8	1030.7	1045.0
50°	1186.4	1190.4	1182.4	1193.5	1192.1	1197.5	1184.6	1175.2	1175.2	1166.8	1174.8
52.5°	1344.2	1352.2	1356.2	1374.9	1389.1	1402.5	1381.1	1366.4	1345.1	1327.8	1349.6
55°	1516.3	1514.1	1539.4	1580.3	1622.1	1653.7	1611.9	1565.7	1531.0	1495.0	1503.4
57.5°	1667.0	1674.6	1707.9	1782.7	1865.4	1932.1	1856.9	1768.0	1689.3	1637.7	1644.8
60°	1792.4	1798.7	1843.1	1950.7	2095.3	2187.3	2068.1	1921.4	1807.1	1736.0	1743.5
62.5°	1908.0	1913.8	1958.7	2077.5	2259.8	2379.8	2226.0	2025.4	1898.3	1826.7	1831.1
65°	1974.7	1978.3	2039.7	2164.6	2356.7	2480.8	2307.4	2100.6	1975.6	1902.7	1905.4
67.5°	1853.4	1859.1	1988.5	2161.1	2375.4	2482.6	2310.9	2102.8	1962.3	1867.1	1869.4
70°	1462.1	1457.2	1611.5	1908.0	2268.2	2407.8	2208.2	1945.0	1728.0	1595.0	1592.8
72.5°	1114.8	1116.1	1201.9	1405.1	1849.4	2222.0	1948.5	1566.1	1332.2	1231.3	1227.3
75°	808.4	820.8	890.7	1039.6	1293.5	1660.8	1466.9	1160.6	1004.0	943.6	934.7
77.5°	364.2	380.2	477.6	652.8	864.9	917.8	921.3	787.9	594.5	494.0	478.5
80°	106.3	113.8	146.3	250.3	402.9	520.7	413.5	347.7	216.6	169.9	161.9
82.5°	44.9	51.1	62.7	69.4	116.9	241.5	150.3	95.6	88.9	72.0	65.8
85°	19.1	20.5	26.2	28.0	37.8	51.6	47.6	43.1	41.4	32.0	29.3
87.5°	8.0	8.0	8.0	7.1	6.7	7.1	9.8	12.5	16.5	12.9	12.0
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)