

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: P630370

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630370  
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-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

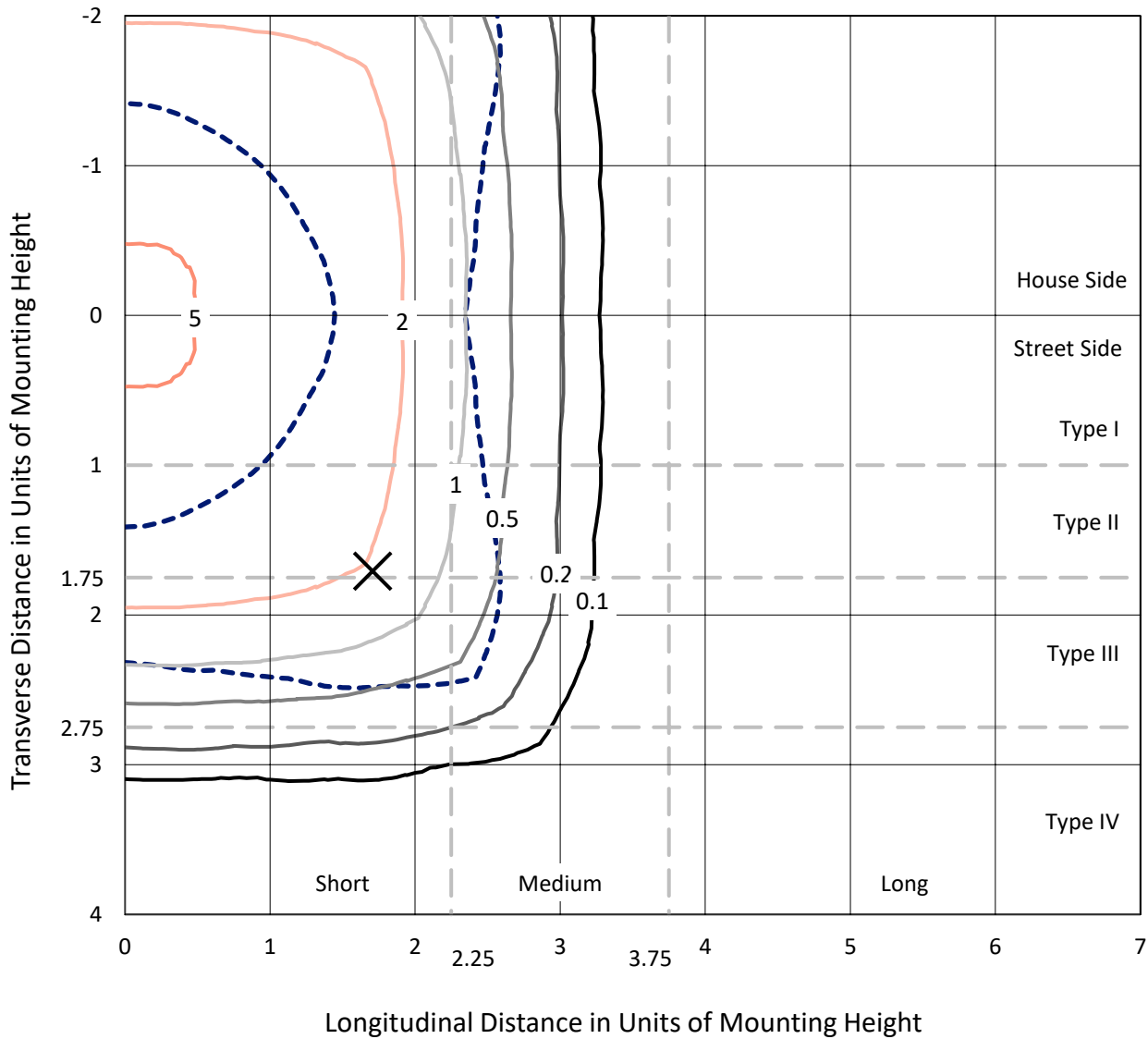
Lumens per Lamp: N/A  
Luminaire Lumens: 6423.5 lumens  
Efficiency: N/A  
Efficacy: 145.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

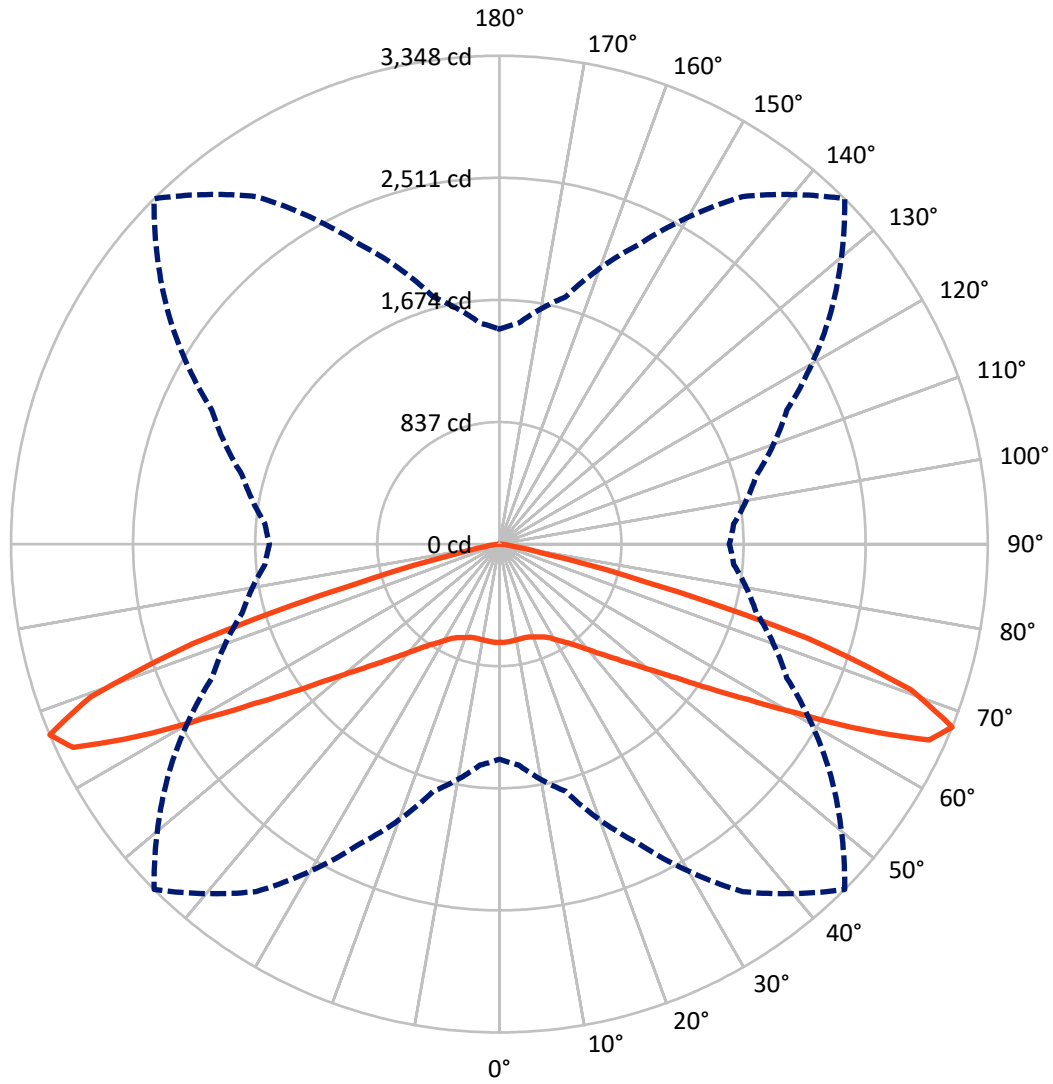
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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	3211.8	0.0	3211.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3211.8	0.0	3211.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6423.5	0.0	6423.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.7	1.0
10°-20°	187.0	2.9
20°-30°	322.5	5.0
30°-40°	524.5	8.2
40°-50°	883.1	13.7
50°-60°	1564.7	24.4
60°-70°	2236.6	34.8
70°-80°	613.9	9.6
80°-90°	27.5	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°	6423.5	100.0
0°-180°	6423.5	100.0

**Coefficient of Utilization**



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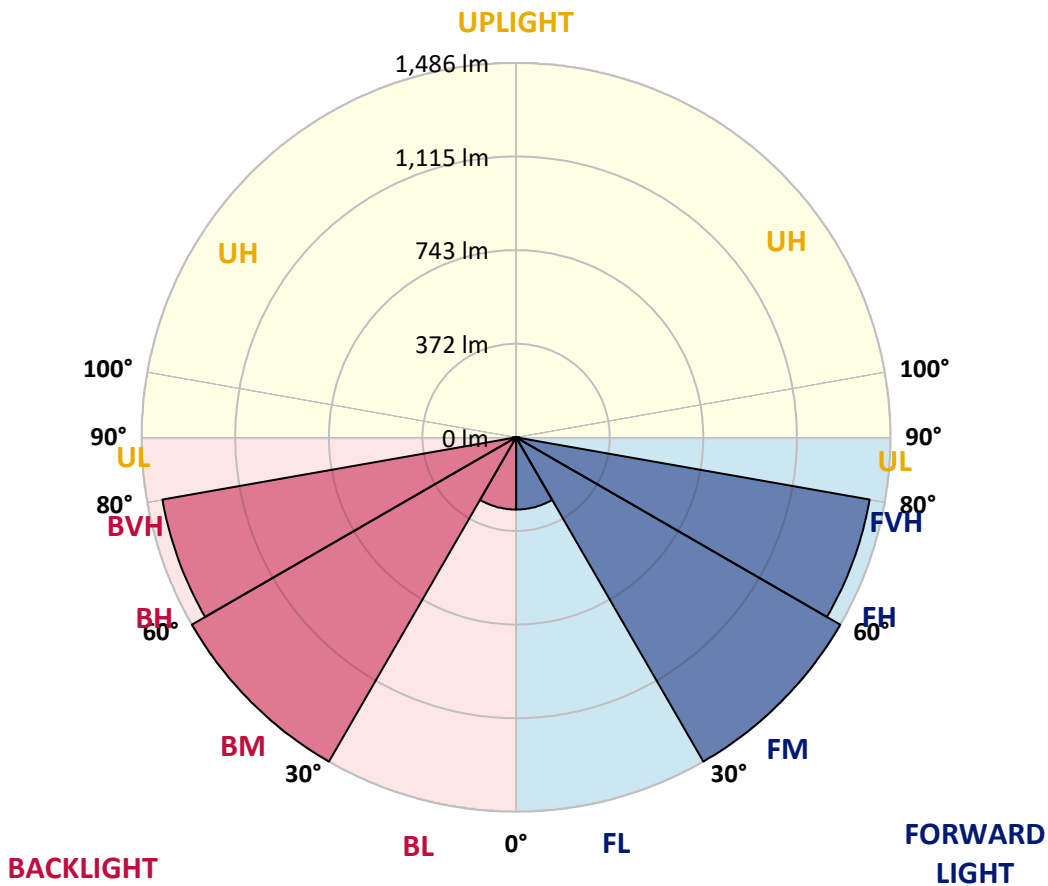
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.6	4.5			
FM (30°-60°)	1486.1	23.1			
FH (60°-80°)	1425.2	22.2			G1/1800
FVH (80°-90°)	13.8	0.2			G1/100
BL (0°-30°)	286.6	4.5	B1/500		
BM (30°-60°)	1486.1	23.1	B2/2500		
BH (60°-80°)	1425.2	22.2	B3/2500		G1/1800
BVH (80°-90°)	13.8	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°	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7	672.7
2.5°	668.3	667.9	670.1	671.4	671.0	674.1	673.6	672.7	672.7	671.4	675.0
5°	668.3	667.9	669.6	670.1	669.2	671.9	671.0	670.1	670.1	668.3	671.4
7.5°	664.7	665.2	666.5	667.4	666.5	668.7	667.4	665.6	665.2	663.4	666.5
10°	658.1	658.5	659.9	662.1	662.5	666.5	664.3	661.2	659.9	658.1	661.2
12.5°	654.1	654.5	655.9	658.5	659.4	664.7	662.5	657.6	655.4	653.6	656.7
15°	653.2	653.6	655.4	658.1	659.4	664.7	662.5	656.7	653.6	651.4	654.1
17.5°	653.2	654.1	656.7	660.7	663.4	668.7	666.1	659.4	655.0	651.0	653.6
20°	653.6	655.0	659.0	664.7	671.4	679.0	675.4	666.5	660.3	655.4	657.2
22.5°	657.6	659.9	664.7	672.3	682.1	691.0	687.9	675.9	667.0	660.3	662.1
25°	671.4	672.3	678.5	688.3	697.6	705.2	702.1	691.0	679.9	671.9	674.1
27.5°	695.9	698.1	703.4	713.7	721.7	725.7	725.2	717.7	706.5	699.4	701.2
30°	725.2	727.4	734.6	746.1	754.1	758.6	757.2	751.5	741.2	731.4	733.2
32.5°	759.5	760.3	768.8	781.7	790.1	796.8	792.4	786.1	773.2	761.7	762.6
35°	803.0	804.4	813.3	825.3	831.9	837.3	836.4	830.2	816.4	803.9	807.0
37.5°	857.7	858.6	866.6	881.7	887.1	891.1	892.0	888.8	874.6	858.6	861.7
40°	925.8	926.2	935.1	948.4	954.2	956.9	957.3	957.8	943.1	931.1	930.2
42.5°	1004.9	1007.1	1019.6	1032.5	1035.1	1033.8	1038.2	1042.7	1028.5	1012.0	1013.3
45°	1099.6	1100.9	1117.8	1132.1	1127.2	1122.7	1131.2	1140.1	1127.2	1105.8	1099.6
47.5°	1211.7	1214.3	1232.6	1246.8	1238.8	1230.8	1244.6	1253.9	1233.0	1210.3	1204.5
50°	1338.4	1340.2	1366.0	1383.7	1374.4	1359.7	1377.1	1386.8	1358.8	1330.8	1318.4
52.5°	1488.2	1484.7	1518.9	1550.0	1544.3	1525.1	1539.4	1541.1	1499.3	1459.8	1447.3
55°	1671.0	1667.4	1701.7	1735.9	1750.1	1745.2	1738.6	1727.9	1666.1	1623.8	1612.3
57.5°	1884.0	1872.8	1920.9	1967.1	1998.2	2007.1	1978.7	1953.8	1904.9	1852.8	1839.5
60°	2081.8	2081.4	2157.4	2237.5	2322.8	2358.4	2286.4	2218.8	2109.0	2014.2	1995.1
62.5°	2137.4	2146.7	2271.2	2469.6	2680.3	2806.2	2616.3	2392.6	2180.5	2037.8	2012.5
65°	2000.5	2023.6	2200.5	2513.6	2929.8	3237.5	2808.8	2396.6	2100.9	1923.1	1896.4
67.5°	1474.4	1520.7	1755.0	2268.1	2908.4	3348.2	2774.6	2174.8	1824.8	1613.2	1576.3
70°	727.4	771.5	957.3	1492.2	2393.1	2992.9	2400.6	1639.0	1232.6	1028.9	995.1
72.5°	267.7	285.5	358.4	638.5	1320.6	2210.8	1641.6	915.5	597.2	475.3	452.6
75°	131.2	134.3	145.4	214.3	487.3	1040.5	771.5	351.3	219.7	191.2	185.0
77.5°	83.6	84.9	90.3	102.3	156.5	327.7	233.9	138.7	107.6	103.2	103.2
80°	46.7	48.0	55.1	63.6	73.4	112.5	84.0	83.1	70.7	61.8	60.5
82.5°	22.2	24.5	35.1	34.7	38.7	56.5	49.4	44.9	45.4	34.2	32.5
85°	10.2	10.2	13.8	16.5	17.3	19.1	22.7	25.8	25.3	17.3	18.7
87.5°	4.9	4.9	4.9	4.4	4.0	3.6	4.9	8.0	11.6	8.0	7.6
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)