

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: P630868

Luminaire Tested: GWS-SA1E-750-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630868  
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-SA1E-750-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

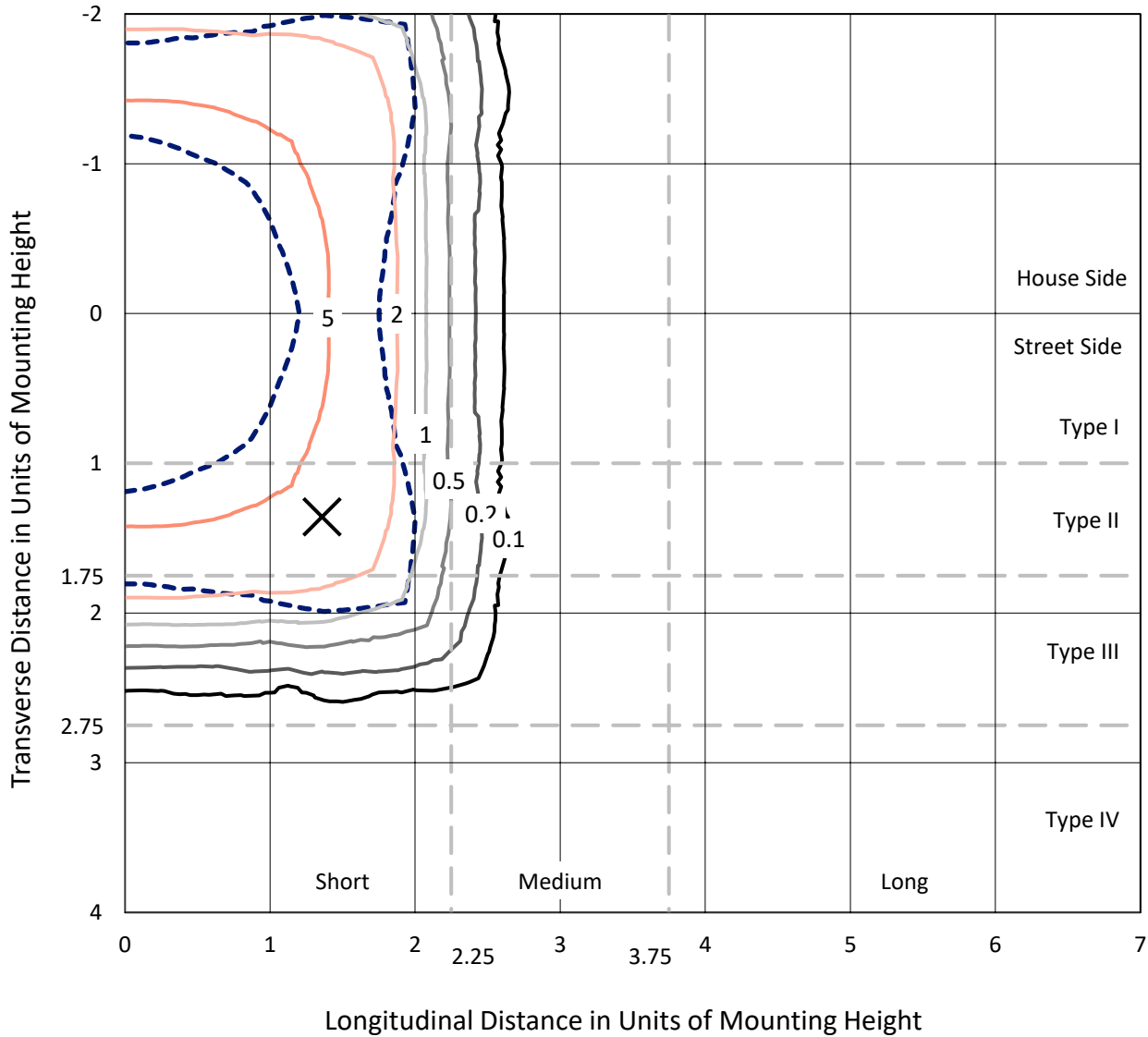
Lumens per Lamp: N/A  
Luminaire Lumens: 8101.6 lumens  
Efficiency: N/A  
Efficacy: 138.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

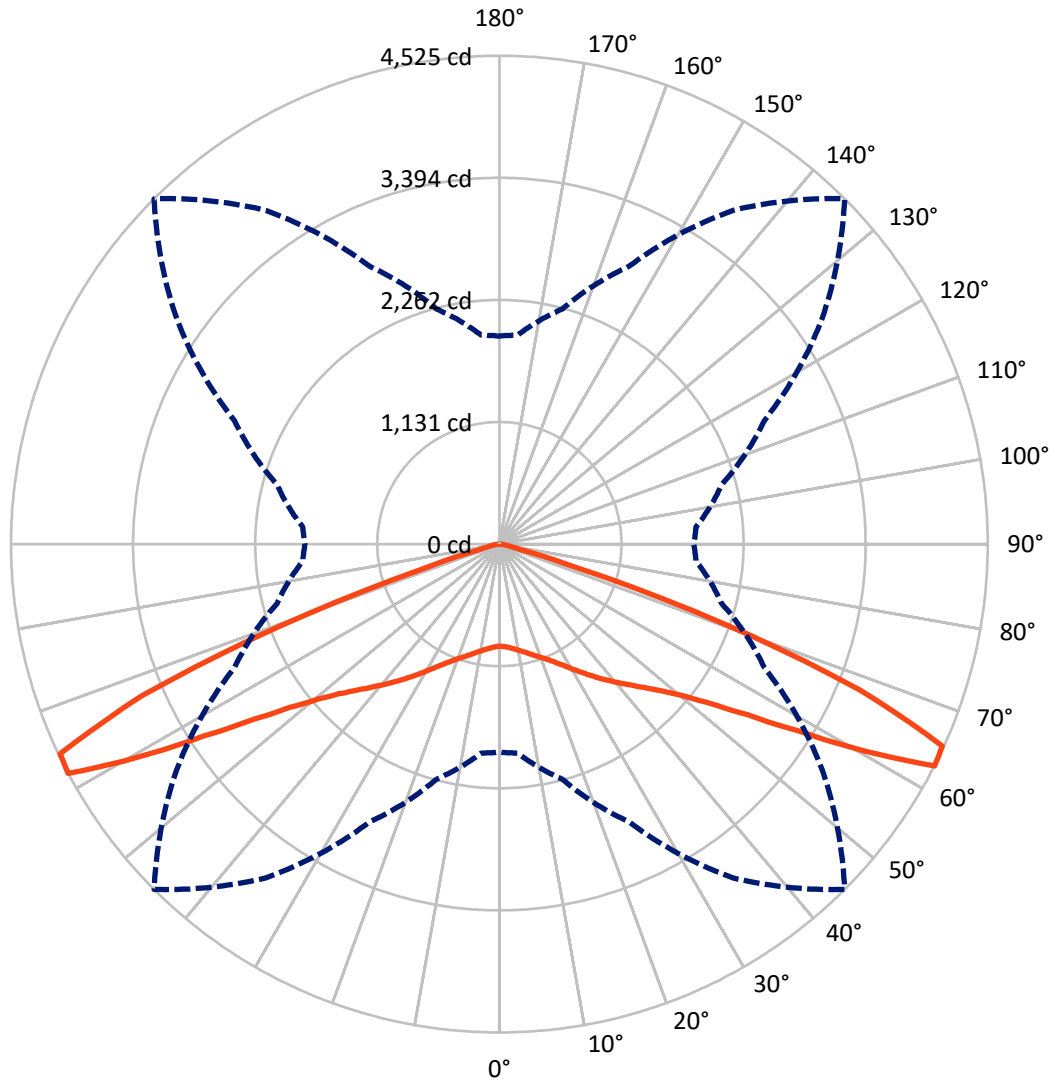
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 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	4050.8	0.0	4050.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4050.8	0.0	4050.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8101.6	0.0	8101.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.7	1.1
10°-20°	299.0	3.7
20°-30°	565.8	7.0
30°-40°	952.3	11.8
40°-50°	1521.4	18.8
50°-60°	2452.5	30.3
60°-70°	2000.9	24.7
70°-80°	194.3	2.4
80°-90°	22.6	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°	8101.6	100.0
0°-180°	8101.6	100.0

**Coefficient of Utilization**



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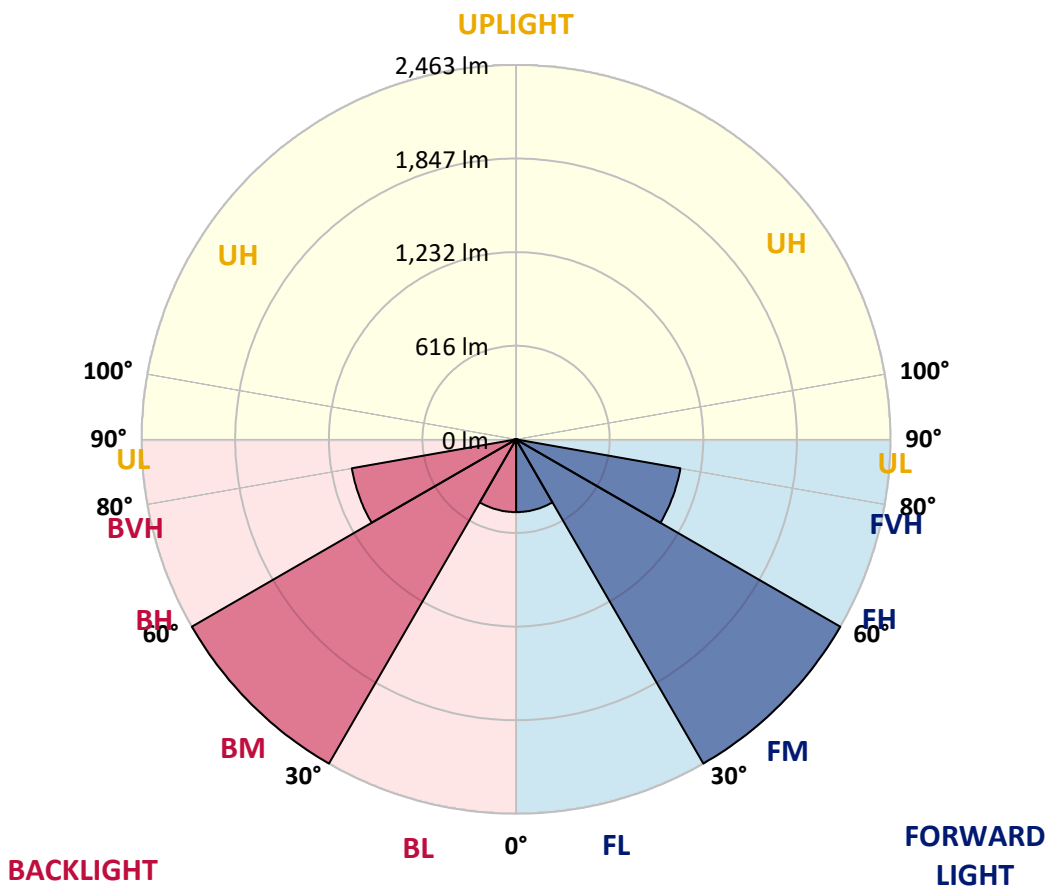
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.8	5.9			
FM (30°-60°)	2463.1	30.4			
FH (60°-80°)	1097.6	13.5			G1/1800
FVH (80°-90°)	11.3	0.1			G1/100
BL (0°-30°)	478.8	5.9	B1/500		
BM (30°-60°)	2463.1	30.4	B2/2500		
BH (60°-80°)	1097.6	13.5	B3/2500		G1/1800
BVH (80°-90°)	11.3	0.1			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°	945.2	945.2	945.2	945.2	945.2	945.2	945.2	945.2	945.2	945.2	945.2
2.5°	944.0	944.0	946.3	947.9	946.8	951.3	950.7	949.6	949.1	947.4	952.4
5°	956.8	956.8	958.5	960.2	957.4	962.9	960.7	959.6	959.1	956.8	961.3
7.5°	971.3	972.9	973.5	976.3	974.6	980.7	979.1	976.8	975.7	972.9	976.8
10°	987.4	988.5	989.1	994.1	994.6	1001.8	1000.2	997.4	995.2	992.4	997.9
12.5°	1009.1	1009.6	1011.3	1017.4	1019.1	1024.6	1024.1	1020.2	1017.4	1013.5	1019.6
15°	1036.8	1037.4	1040.2	1046.3	1049.1	1055.7	1053.5	1047.4	1043.5	1039.1	1044.1
17.5°	1065.7	1068.0	1070.7	1076.8	1080.7	1088.5	1085.7	1079.1	1075.7	1071.3	1074.6
20°	1103.0	1103.5	1105.2	1111.9	1114.6	1123.5	1124.1	1117.4	1115.7	1111.3	1116.3
22.5°	1144.1	1144.6	1146.3	1153.5	1158.5	1164.1	1167.4	1163.5	1160.8	1155.2	1161.3
25°	1189.6	1195.2	1196.9	1205.8	1211.3	1214.7	1218.5	1216.9	1213.0	1206.3	1209.1
27.5°	1253.5	1254.7	1257.4	1267.4	1270.8	1274.1	1278.0	1278.6	1273.0	1265.2	1269.1
30°	1326.3	1325.8	1331.9	1339.7	1342.5	1345.2	1350.8	1354.1	1346.9	1338.6	1342.5
32.5°	1400.8	1407.5	1415.2	1422.5	1420.8	1421.9	1430.8	1436.9	1426.9	1411.9	1415.2
35°	1484.7	1489.1	1499.1	1509.7	1507.5	1505.8	1511.4	1517.5	1503.6	1484.1	1489.1
37.5°	1570.8	1577.5	1592.5	1605.3	1601.9	1594.2	1600.3	1606.9	1593.6	1571.4	1569.2
40°	1667.0	1677.5	1699.2	1709.7	1700.8	1685.8	1696.4	1712.5	1699.2	1673.6	1667.5
42.5°	1779.7	1792.5	1814.2	1830.3	1810.9	1786.4	1804.2	1827.5	1824.2	1790.3	1779.7
45°	1919.2	1927.6	1954.2	1962.0	1933.1	1899.2	1931.4	1967.0	1958.7	1922.0	1908.1
47.5°	2070.9	2083.7	2107.0	2121.5	2074.8	2032.6	2077.6	2125.4	2116.5	2082.0	2065.9
50°	2264.3	2280.9	2311.5	2323.7	2259.3	2210.9	2268.7	2329.3	2312.1	2265.9	2244.8
52.5°	2474.9	2488.2	2540.4	2564.9	2504.3	2452.1	2502.6	2562.1	2525.4	2464.3	2436.0
55°	2660.5	2673.8	2750.5	2831.6	2828.8	2792.7	2818.3	2819.4	2719.9	2618.8	2588.8
57.5°	2700.5	2713.8	2859.9	3072.2	3222.2	3263.9	3188.9	3031.1	2780.5	2603.2	2569.3
60°	2487.1	2502.1	2734.4	3122.2	3615.6	3894.0	3548.4	3026.6	2593.2	2353.2	2321.0
62.5°	1927.0	1943.1	2255.4	2837.7	3774.5	4524.7	3652.8	2708.2	2133.1	1829.2	1800.9
65°	920.2	920.2	1316.9	2035.3	3457.8	4509.7	3350.6	2003.7	1284.1	986.3	961.8
67.5°	227.8	228.9	338.9	792.4	2352.1	3598.9	2390.4	961.8	452.3	320.1	311.7
70°	142.2	141.7	157.2	214.5	822.9	2184.3	977.4	290.0	183.9	162.2	161.1
72.5°	110.6	110.6	118.4	137.2	215.6	744.0	285.0	161.1	133.4	120.0	120.0
75°	87.2	87.2	92.8	102.8	127.2	191.7	151.7	119.5	103.4	94.5	93.3
77.5°	65.0	66.1	70.6	77.2	86.7	107.8	96.1	90.0	80.6	73.9	71.7
80°	42.2	43.9	49.5	53.3	56.7	71.1	62.8	65.6	61.1	53.3	52.2
82.5°	22.8	23.3	30.0	31.1	32.2	38.9	40.0	41.7	43.3	33.9	31.7
85°	8.3	8.3	10.0	11.7	12.8	13.9	18.9	23.3	24.4	19.4	18.9
87.5°	1.7	1.7	1.7	1.1	1.1	1.1	3.3	6.1	10.0	7.8	7.8
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)