

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: P630758

Luminaire Tested: GWS-SA1E-735-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630758  
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-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**

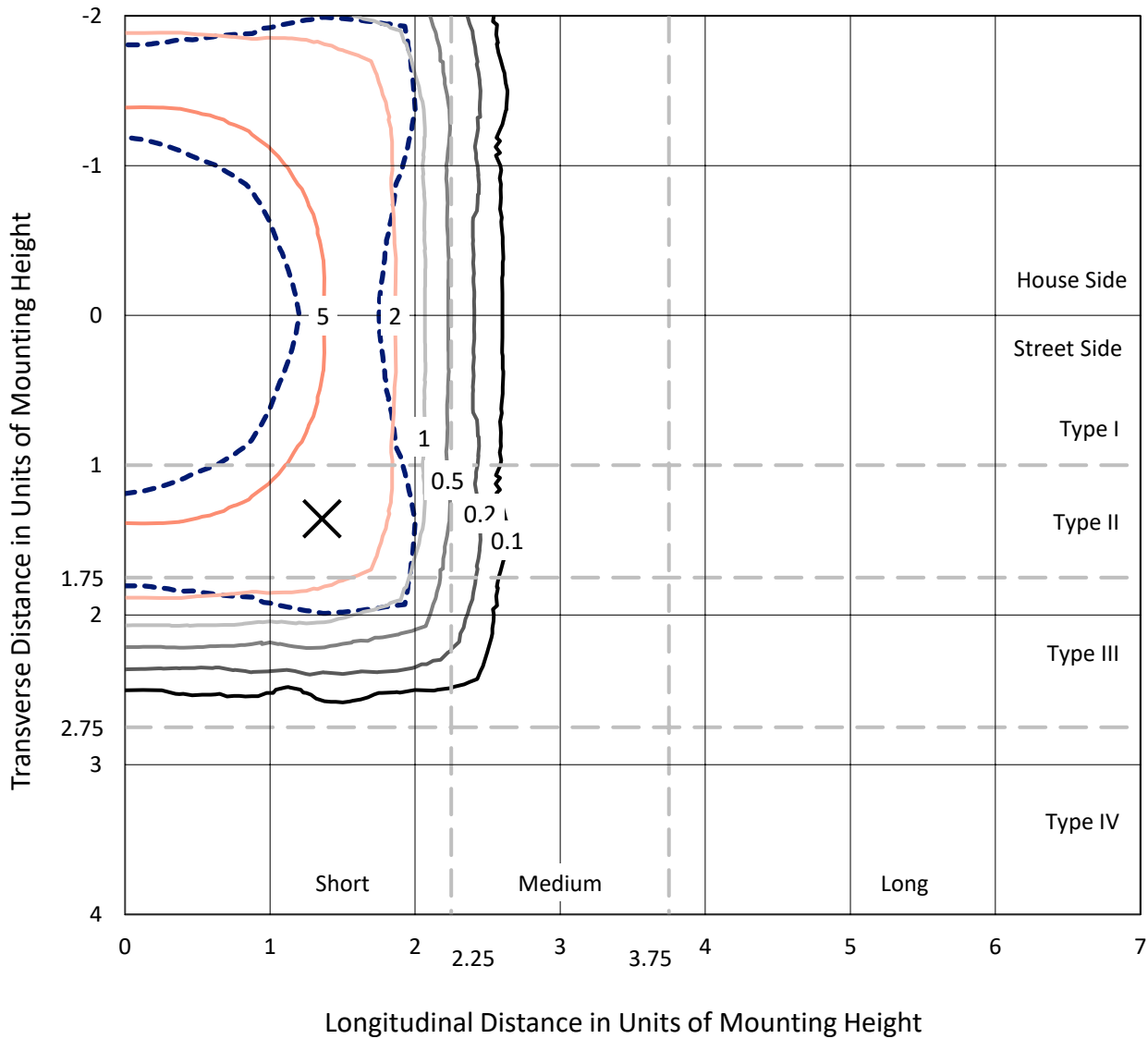
Lumens per Lamp: N/A  
Luminaire Lumens: 7811.5 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

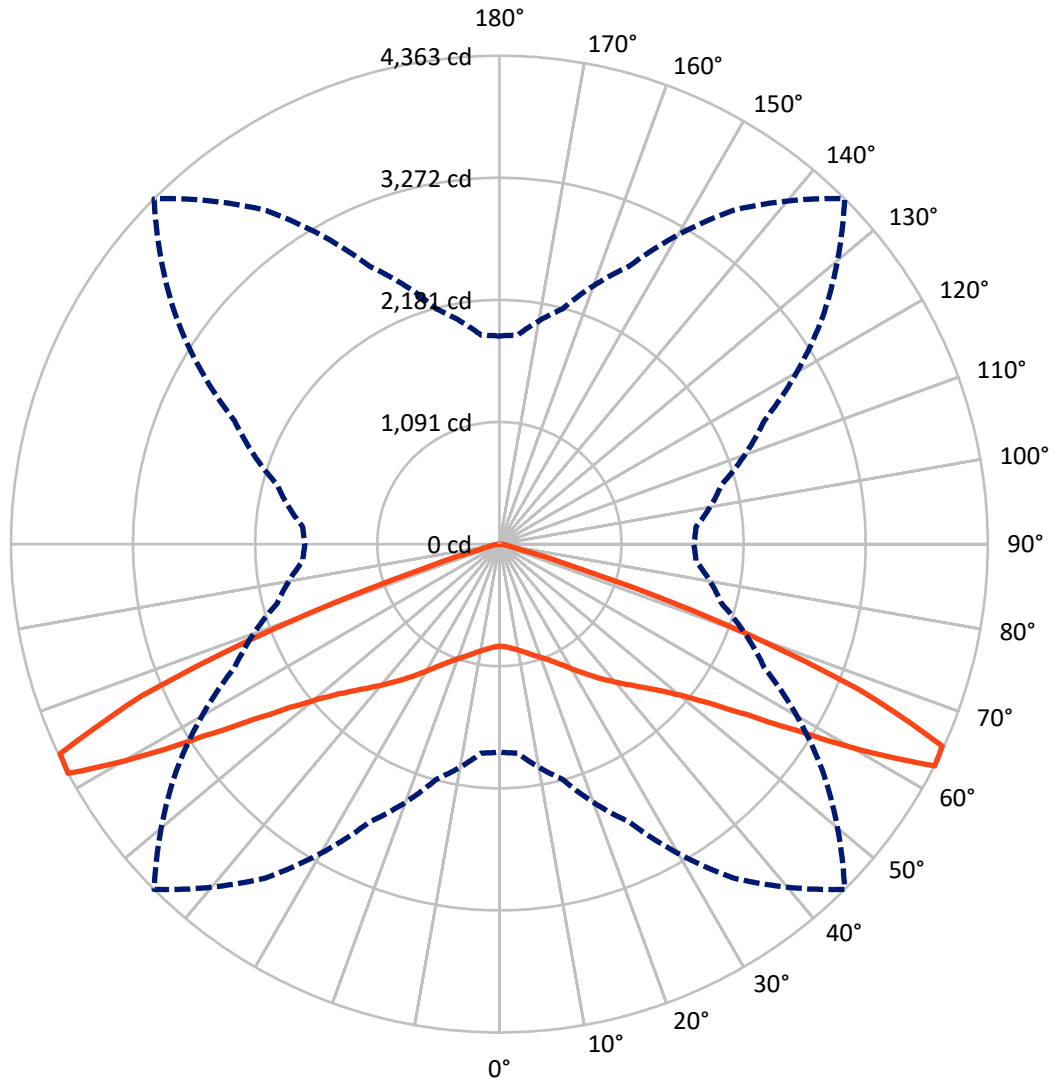
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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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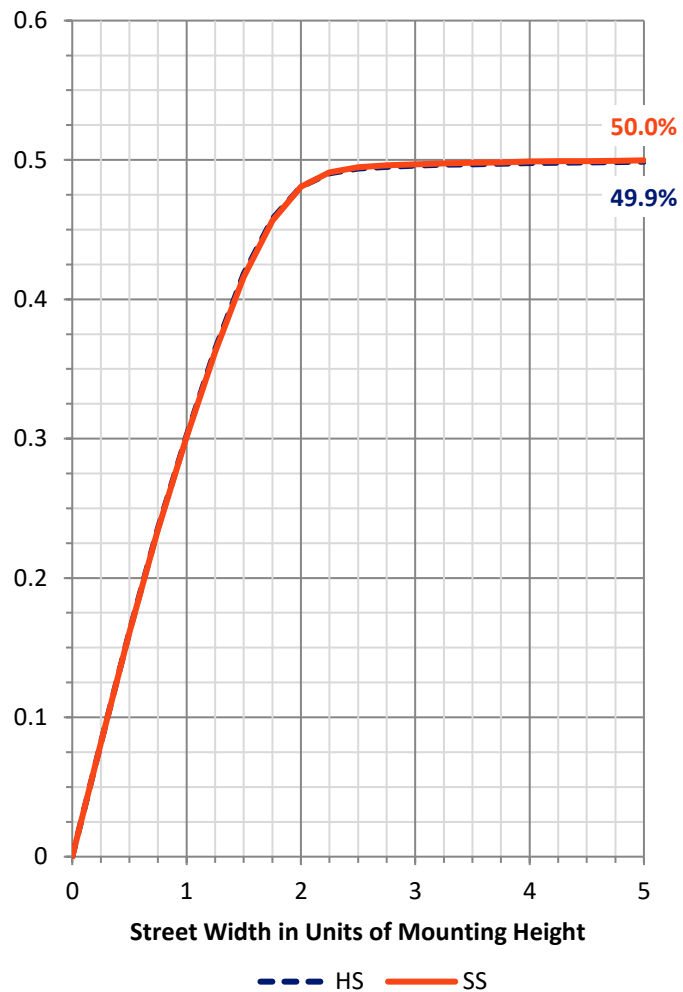
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3905.7	0.0	3905.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3905.7	0.0	3905.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7811.5	0.0	7811.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.4	1.1
10°-20°	288.3	3.7
20°-30°	545.5	7.0
30°-40°	918.2	11.8
40°-50°	1467.0	18.8
50°-60°	2364.7	30.3
60°-70°	1929.3	24.7
70°-80°	187.4	2.4
80°-90°	21.8	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°	7811.5	100.0
0°-180°	7811.5	100.0

**Coefficient of Utilization**



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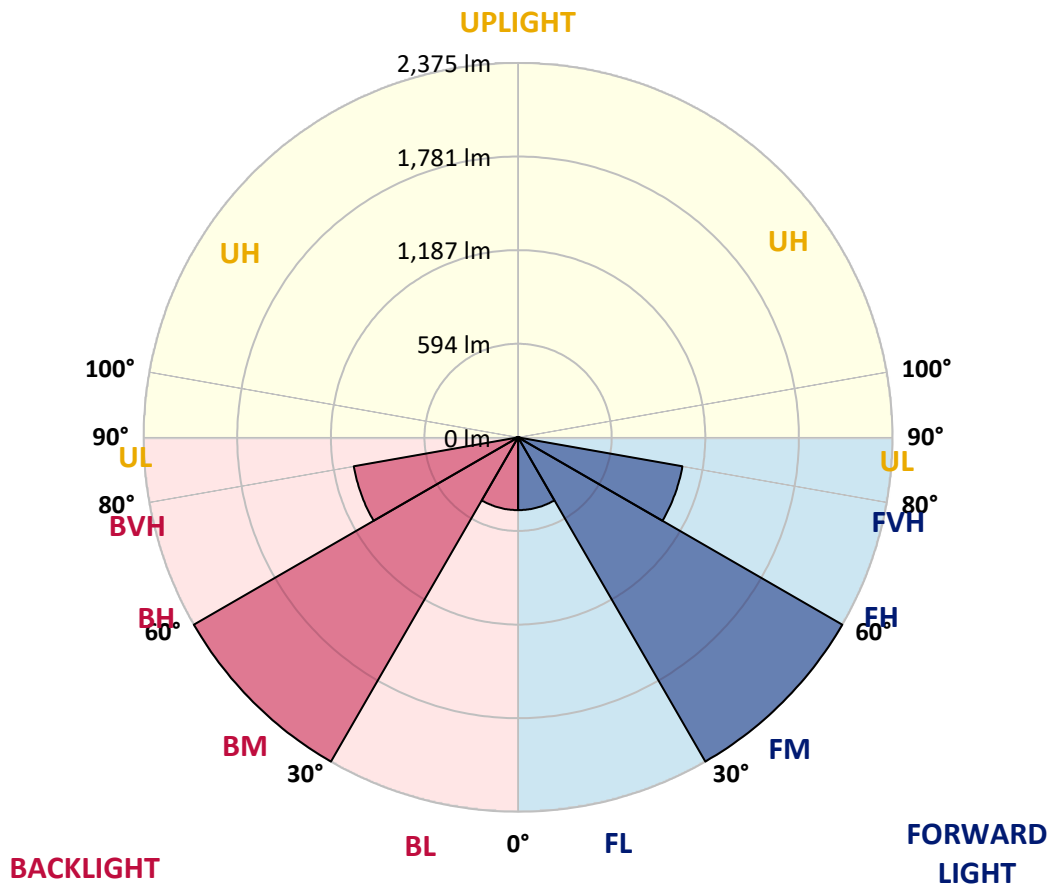
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	461.6	5.9			
FM (30°-60°)	2374.9	30.4			
FH (60°-80°)	1058.3	13.5			G1/1800
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	461.6	5.9	B1/500		
BM (30°-60°)	2374.9	30.4	B2/2500		
BH (60°-80°)	1058.3	13.5	B3/2500		G1/1800
BVH (80°-90°)	10.9	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°	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3	911.3
2.5°	910.2	910.2	912.4	914.0	912.9	917.2	916.7	915.6	915.1	913.5	918.3
5°	922.6	922.6	924.2	925.8	923.1	928.5	926.3	925.2	924.7	922.6	926.9
7.5°	936.5	938.1	938.6	941.3	939.7	945.6	944.0	941.9	940.8	938.1	941.9
10°	952.0	953.1	953.6	958.5	959.0	966.0	964.4	961.7	959.5	956.9	962.2
12.5°	972.9	973.5	975.1	981.0	982.6	987.9	987.4	983.6	981.0	977.2	983.1
15°	999.7	1000.3	1002.9	1008.8	1011.5	1017.9	1015.8	1009.9	1006.1	1001.9	1006.7
17.5°	1027.6	1029.7	1032.4	1038.3	1042.0	1049.5	1046.9	1040.4	1037.2	1032.9	1036.1
20°	1063.5	1064.0	1065.6	1072.0	1074.7	1083.3	1083.8	1077.4	1075.8	1071.5	1076.3
22.5°	1103.1	1103.7	1105.3	1112.2	1117.0	1122.4	1125.6	1121.9	1119.2	1113.8	1119.7
25°	1147.0	1152.4	1154.0	1162.6	1167.9	1171.2	1174.9	1173.3	1169.6	1163.1	1165.8
27.5°	1208.7	1209.7	1212.4	1222.1	1225.3	1228.5	1232.2	1232.8	1227.4	1219.9	1223.7
30°	1278.8	1278.3	1284.2	1291.7	1294.4	1297.1	1302.4	1305.6	1298.7	1290.6	1294.4
32.5°	1350.6	1357.1	1364.6	1371.5	1369.9	1371.0	1379.6	1385.5	1375.8	1361.3	1364.6
35°	1431.5	1435.8	1445.5	1455.6	1453.5	1451.9	1457.2	1463.1	1449.7	1431.0	1435.8
37.5°	1514.6	1521.0	1535.5	1547.8	1544.6	1537.1	1543.0	1549.4	1536.5	1515.1	1513.0
40°	1607.3	1617.4	1638.3	1648.5	1639.9	1625.5	1635.7	1651.2	1638.3	1613.7	1607.8
42.5°	1716.0	1728.3	1749.2	1764.8	1746.0	1722.4	1739.6	1762.1	1758.9	1726.2	1716.0
45°	1850.5	1858.5	1884.2	1891.7	1863.9	1831.2	1862.3	1896.6	1888.5	1853.2	1839.8
47.5°	1996.8	2009.1	2031.6	2045.5	2000.5	1959.8	2003.2	2049.3	2040.7	2007.5	1991.9
50°	2183.2	2199.3	2228.7	2240.5	2178.4	2131.8	2187.5	2245.9	2229.3	2184.8	2164.4
52.5°	2386.2	2399.1	2449.5	2473.0	2414.6	2364.3	2413.0	2470.4	2435.0	2376.1	2348.7
55°	2565.2	2578.0	2652.0	2730.2	2727.5	2692.7	2717.3	2718.4	2622.5	2525.0	2496.1
57.5°	2603.8	2616.6	2757.5	2962.2	3106.8	3147.0	3074.7	2922.5	2680.9	2510.0	2477.3
60°	2398.0	2412.5	2636.4	3010.4	3486.1	3754.6	3421.3	2918.2	2500.4	2268.9	2237.8
62.5°	1858.0	1873.5	2174.6	2736.1	3639.4	4362.6	3522.0	2611.3	2056.8	1763.7	1736.4
65°	887.2	887.2	1269.7	1962.5	3334.0	4348.2	3230.6	1931.9	1238.1	951.0	927.4
67.5°	219.7	220.7	326.8	764.0	2267.8	3470.1	2304.8	927.4	436.1	308.6	300.6
70°	137.2	136.6	151.6	206.8	793.5	2106.0	942.4	279.7	177.3	156.4	155.4
72.5°	106.6	106.6	114.1	132.3	207.9	717.4	274.8	155.4	128.6	115.7	115.7
75°	84.1	84.1	89.5	99.1	122.7	184.8	146.3	115.2	99.7	91.1	90.0
77.5°	62.7	63.8	68.0	74.5	83.6	103.9	92.7	86.8	77.7	71.3	69.1
80°	40.7	42.3	47.7	51.4	54.6	68.6	60.5	63.2	58.9	51.4	50.4
82.5°	22.0	22.5	28.9	30.0	31.1	37.5	38.6	40.2	41.8	32.7	30.5
85°	8.0	8.0	9.6	11.3	12.3	13.4	18.2	22.5	23.6	18.8	18.2
87.5°	1.6	1.6	1.6	1.1	1.1	1.1	3.2	5.9	9.6	7.5	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)