

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: P631251

Luminaire Tested: GWS-SA1F-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631251  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-735-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

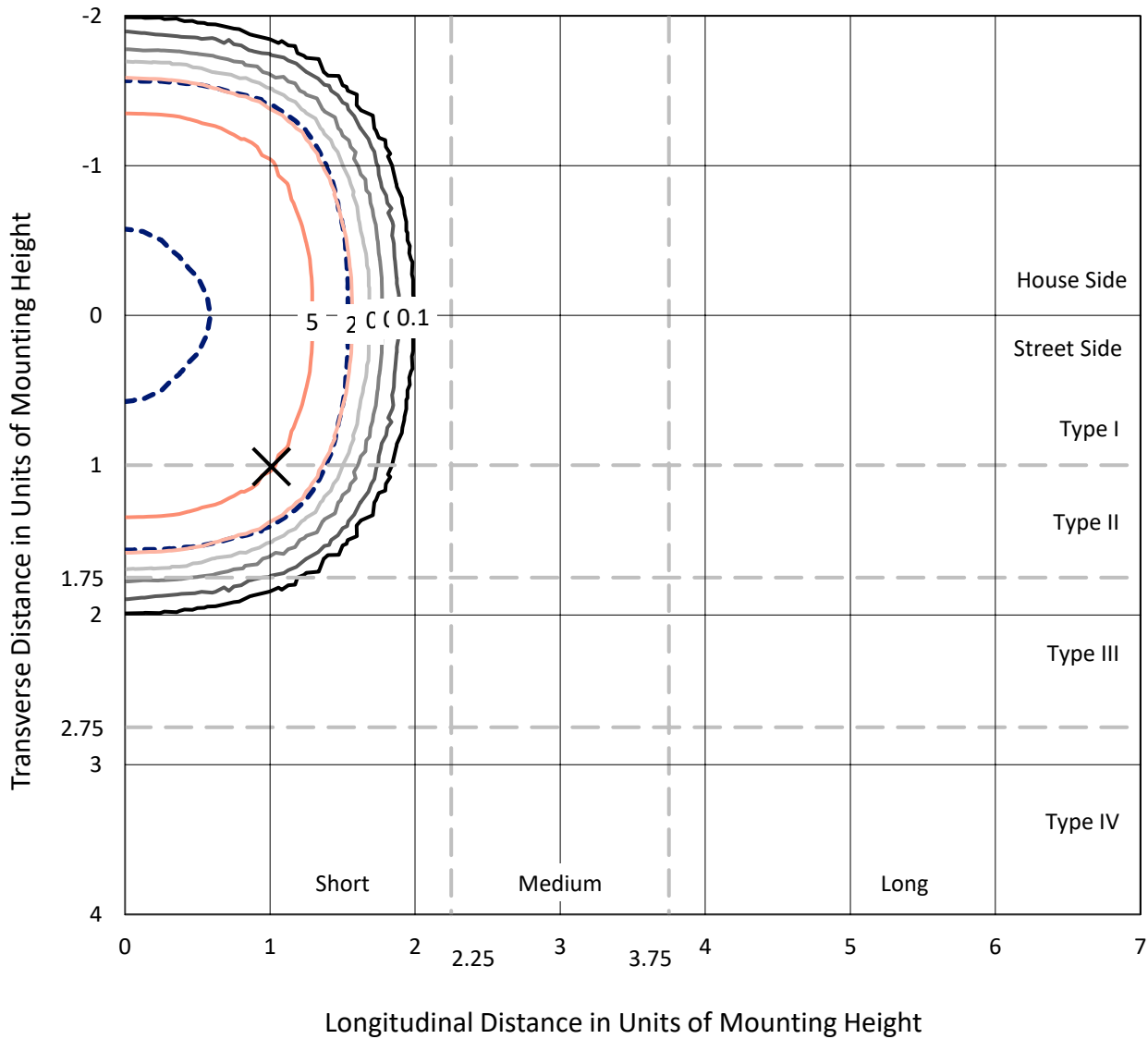
Lumens per Lamp: N/A  
Luminaire Lumens: 5847.2 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

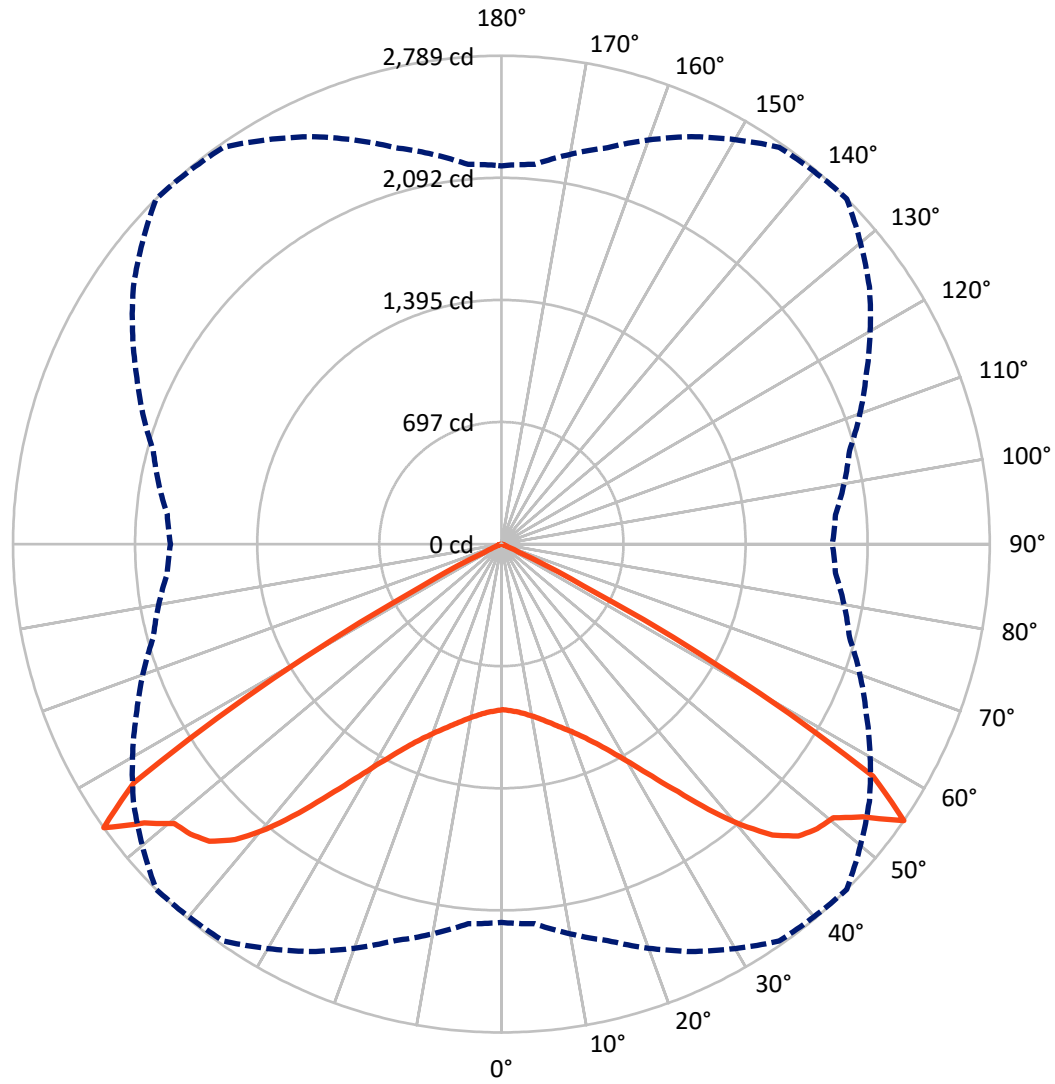
✕ Max cd  
 - - - 1/2 Max cd



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 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2923.6	0.0	2923.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2923.6	0.0	2923.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5847.2	0.0	5847.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.6	1.6
10°-20°	300.2	5.1
20°-30°	581.5	9.9
30°-40°	1041.7	17.8
40°-50°	1746.6	29.9
50°-60°	1869.6	32.0
60°-70°	205.4	3.5
70°-80°	9.1	0.2
80°-90°	0.4	0.0
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°	5847.2	100.0
0°-180°	5847.2	100.0

**Coefficient of Utilization**



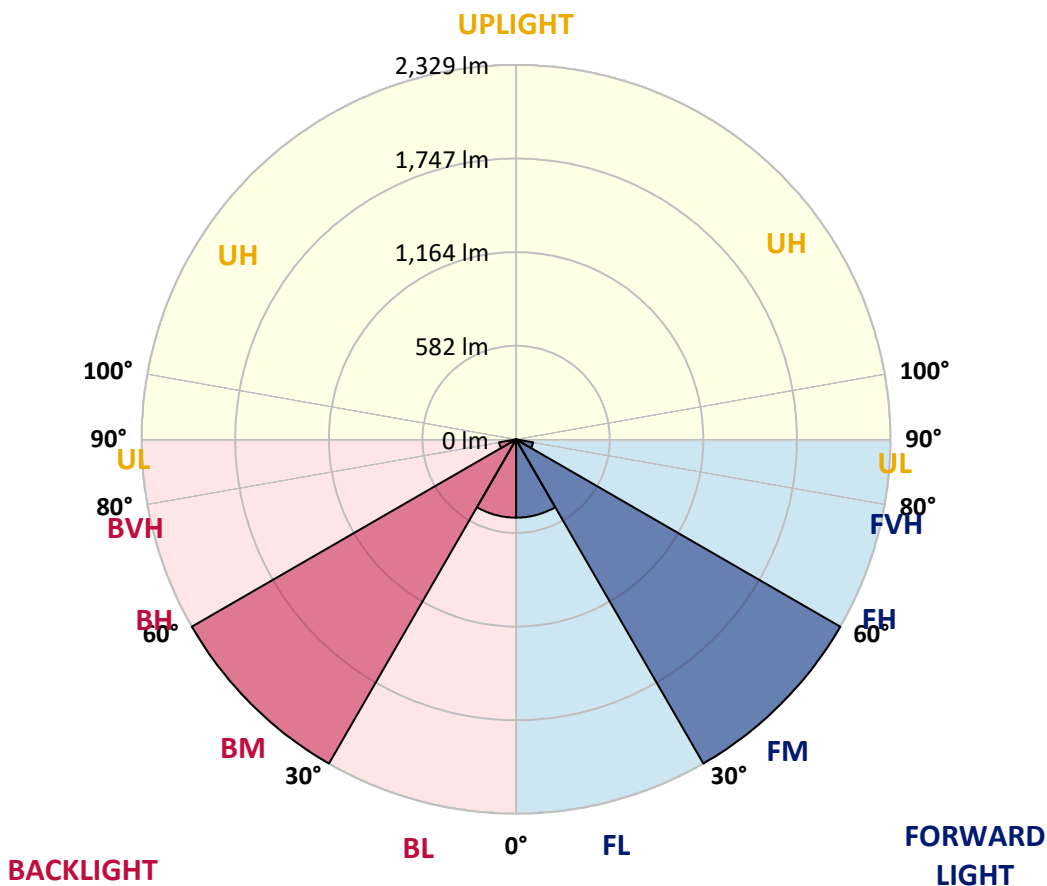
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.2	8.3			
FM (30°-60°)	2329.0	39.8			
FH (60°-80°)	107.2	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	487.2	8.3	B1/500		
BM (30°-60°)	2329.0	39.8	B2/2500		
BH (60°-80°)	107.2	1.8	B0/110		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4	945.4
2.5°	943.6	943.6	946.0	947.8	947.8	952.5	950.7	949.0	949.0	946.6	951.3
5°	957.3	956.7	959.1	960.3	957.9	962.7	959.7	957.9	956.7	954.3	959.1
7.5°	972.2	972.8	973.4	975.8	974.6	979.3	977.0	973.4	972.2	968.6	973.4
10°	990.1	990.1	991.2	994.2	994.8	1000.8	998.4	994.2	990.7	987.1	991.8
12.5°	1012.7	1013.3	1015.1	1019.2	1021.6	1028.2	1024.6	1016.3	1010.9	1006.7	1012.1
15°	1045.5	1044.9	1047.2	1053.2	1056.2	1060.9	1055.6	1044.3	1037.7	1032.9	1036.5
17.5°	1081.2	1081.2	1082.4	1088.3	1092.5	1099.7	1093.1	1079.4	1073.5	1066.9	1070.5
20°	1120.5	1122.3	1123.5	1127.7	1134.8	1142.0	1136.6	1122.9	1116.3	1108.0	1112.2
22.5°	1172.3	1170.6	1171.2	1178.3	1188.4	1195.6	1191.4	1175.3	1164.0	1157.4	1159.8
25°	1230.1	1229.5	1231.3	1242.0	1253.4	1261.1	1255.1	1234.3	1223.0	1211.7	1216.4
27.5°	1301.0	1301.6	1302.8	1315.9	1333.8	1345.1	1330.2	1309.4	1293.9	1279.0	1282.5
30°	1385.0	1383.8	1387.4	1405.3	1431.5	1449.3	1432.1	1402.9	1380.8	1366.5	1368.3
32.5°	1474.4	1475.6	1485.1	1513.7	1548.2	1579.8	1544.7	1505.9	1477.3	1450.5	1454.1
35°	1570.9	1573.8	1595.3	1637.6	1694.2	1736.5	1687.6	1623.9	1583.4	1548.8	1550.0
37.5°	1684.6	1691.8	1721.6	1784.7	1865.7	1922.3	1850.8	1766.3	1713.8	1670.9	1668.0
40°	1834.2	1842.5	1883.0	1958.1	2056.4	2108.2	2025.4	1938.4	1873.5	1827.0	1819.9
42.5°	2005.7	2016.5	2060.5	2137.4	2235.7	2270.8	2189.8	2116.5	2058.2	2003.3	2001.0
45°	2199.3	2205.3	2241.0	2300.0	2370.9	2379.2	2318.5	2278.0	2219.0	2167.8	2163.6
47.5°	2381.0	2387.0	2411.4	2441.8	2458.5	2428.7	2418.0	2400.1	2323.8	2260.7	2247.6
50°	2519.2	2524.0	2554.4	2566.3	2519.8	2456.7	2477.5	2439.4	2356.6	2285.7	2265.5
52.5°	2509.7	2521.6	2599.6	2667.6	2638.4	2587.1	2531.1	2448.9	2320.3	2223.2	2198.1
55°	2160.6	2176.7	2344.1	2567.5	2767.0	2789.1	2565.1	2300.0	2058.2	1915.8	1890.2
57.5°	1388.6	1392.8	1597.1	1910.4	2360.2	2501.9	2127.3	1734.1	1433.3	1276.6	1265.9
60°	510.5	502.2	656.5	916.2	1359.4	1509.5	1252.2	876.9	625.5	514.7	505.8
62.5°	122.7	123.9	153.7	230.5	426.5	527.8	417.0	232.9	148.3	124.5	123.3
65°	62.0	60.8	61.4	66.1	91.1	109.0	89.4	63.1	60.8	61.4	60.8
67.5°	39.9	39.3	40.5	41.1	40.5	38.1	37.5	38.7	38.7	39.3	38.1
70°	24.4	23.8	25.0	26.8	25.6	22.6	23.8	25.0	23.8	23.2	23.2
72.5°	13.1	13.1	14.3	15.5	14.3	13.1	13.1	13.7	13.1	13.1	13.1
75°	6.0	6.0	6.6	7.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	1.8	1.8	2.4	2.4	1.8	1.8	1.8	1.8	2.4	2.4	2.4
80°	0.6	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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)