

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: P631087

Luminaire Tested: GWS-SA1F-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631087  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-722-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

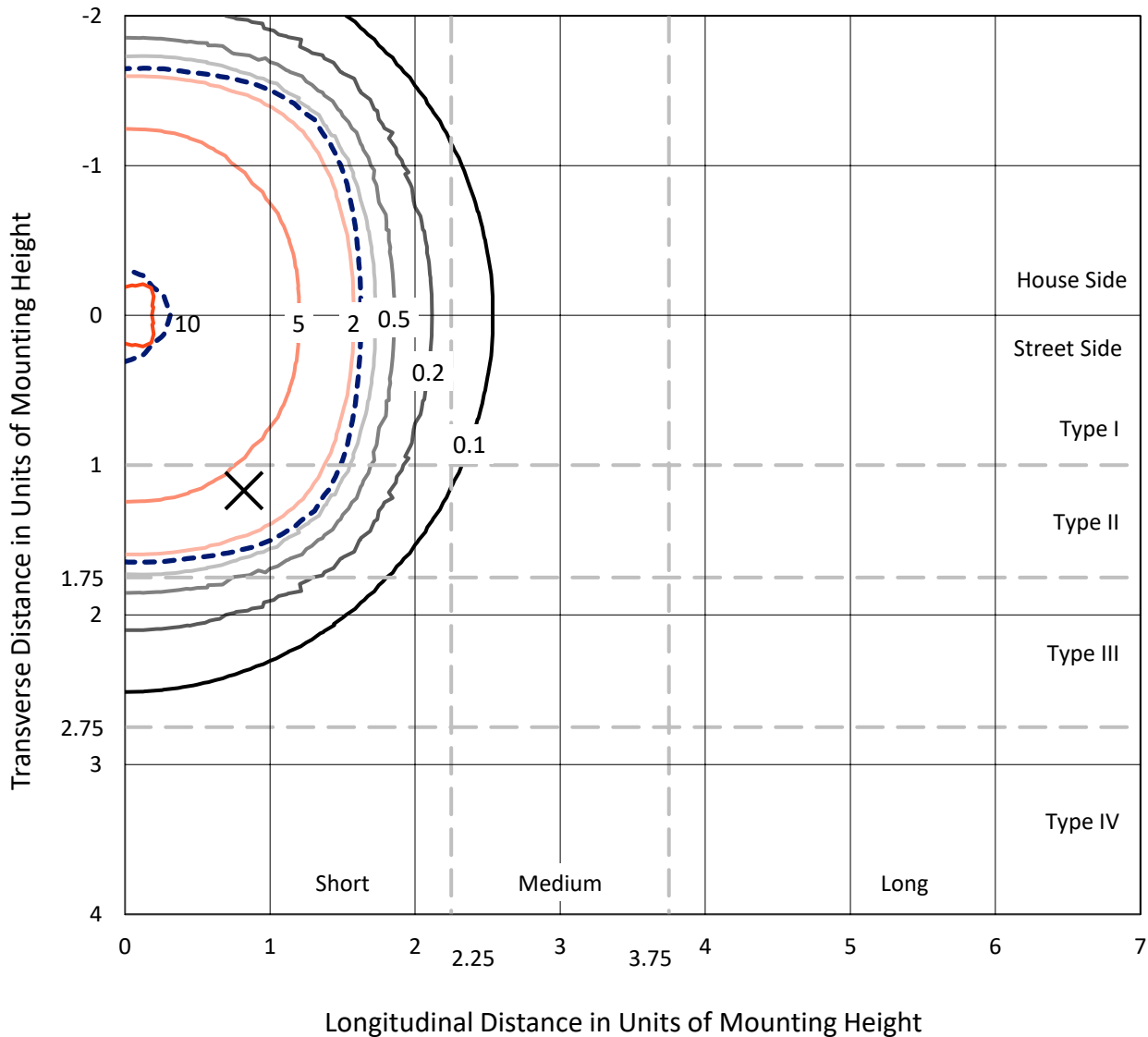
Lumens per Lamp: N/A  
Luminaire Lumens: 5625.9 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

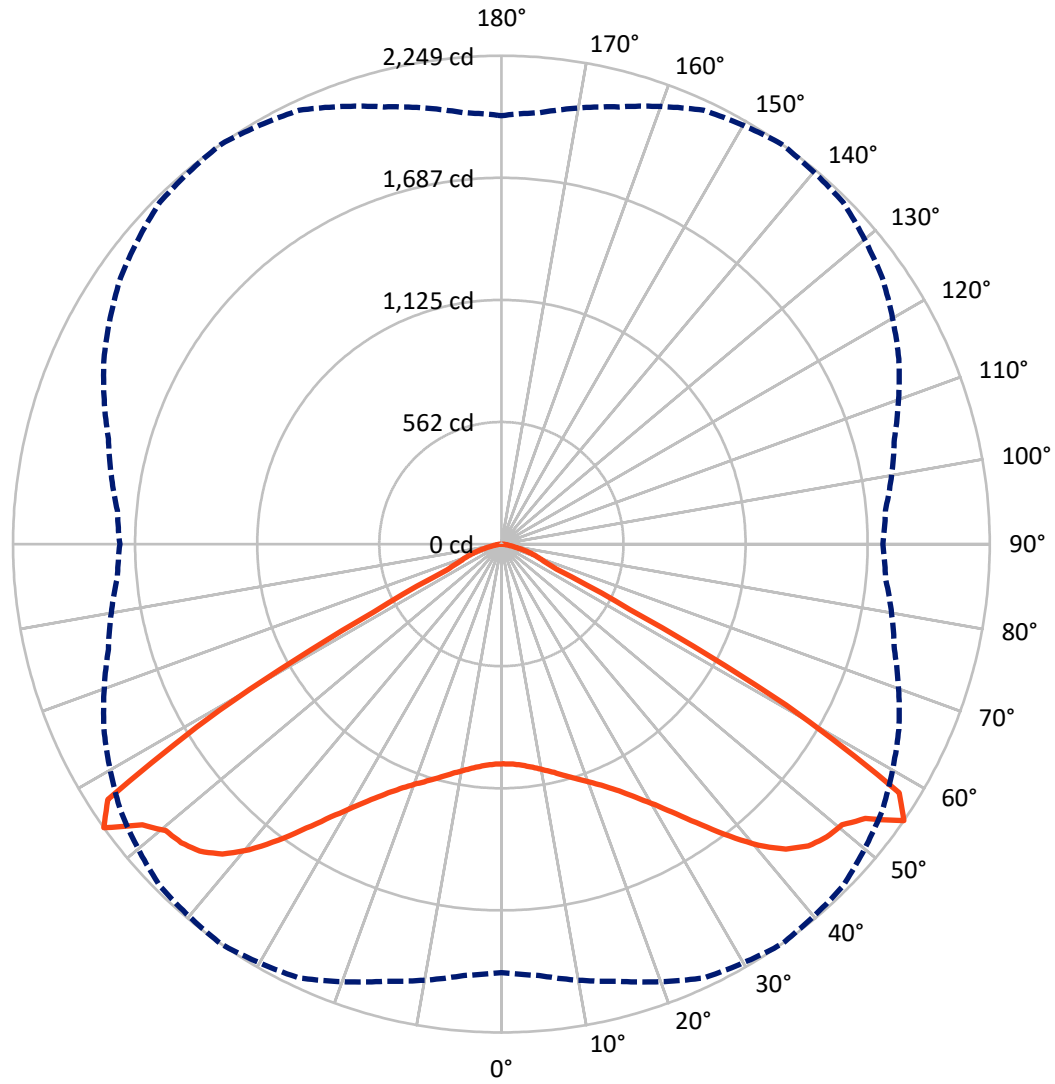
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2812.9	0.0	2812.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2812.9	0.0	2812.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5625.9	0.0	5625.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.7	1.8
10°-20°	314.3	5.6
20°-30°	581.7	10.3
30°-40°	973.1	17.3
40°-50°	1482.8	26.4
50°-60°	1661.1	29.5
60°-70°	393.0	7.0
70°-80°	106.0	1.9
80°-90°	15.2	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°	5625.9	100.0
0°-180°	5625.9	100.0

**Coefficient of Utilization**



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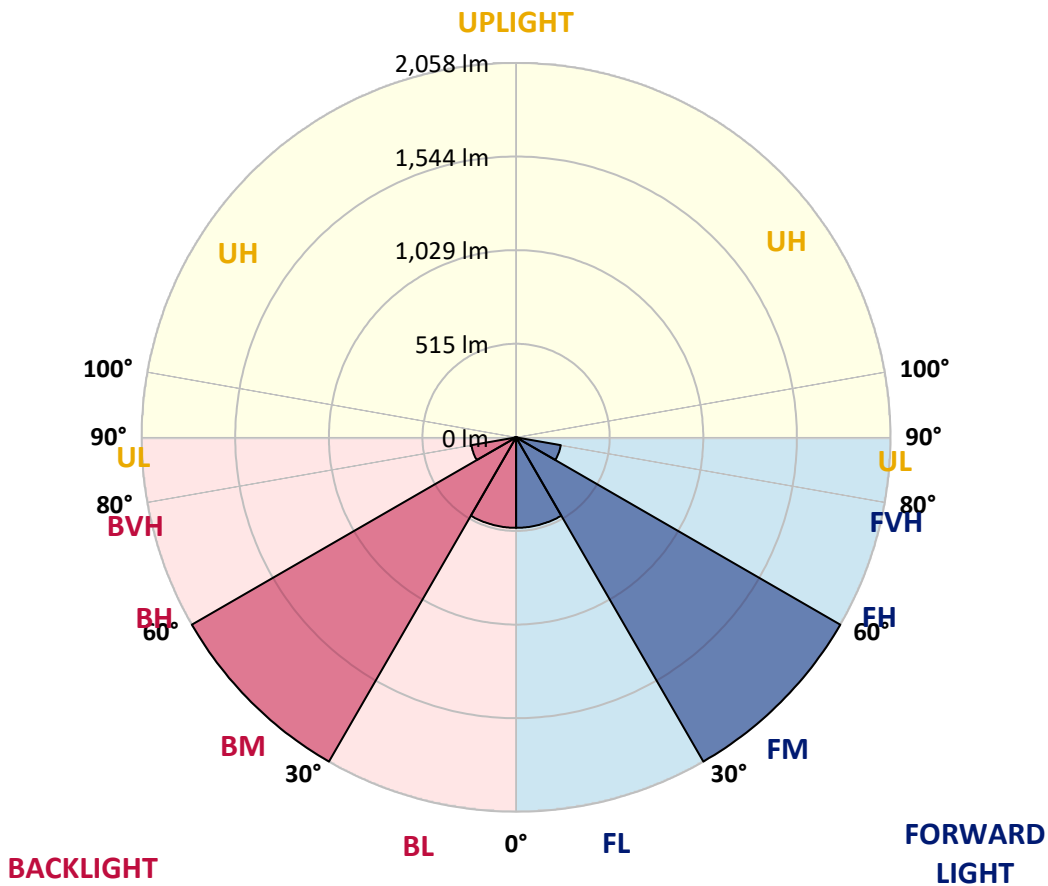
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.4	8.8			
FM (30°-60°)	2058.5	36.6			
FH (60°-80°)	249.5	4.4			G0/660
FVH (80°-90°)	7.6	0.1			G0/10
BL (0°-30°)	497.4	8.8	B1/500		
BM (30°-60°)	2058.5	36.6	B2/2500		
BH (60°-80°)	249.5	4.4	B1/500		G0/660
BVH (80°-90°)	7.6	0.1			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°	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1
2.5°	1009.9	1009.9	1011.7	1013.9	1014.3	1018.8	1017.9	1016.1	1015.2	1013.4	1017.5
5°	1021.0	1021.5	1022.8	1024.1	1023.2	1026.8	1025.5	1023.2	1021.9	1019.7	1023.7
7.5°	1035.7	1035.7	1037.0	1038.8	1037.9	1043.3	1040.6	1037.5	1035.2	1032.6	1036.1
10°	1049.0	1049.9	1051.3	1054.8	1056.6	1062.4	1060.6	1056.2	1052.6	1049.5	1053.5
12.5°	1069.1	1069.9	1071.3	1076.2	1079.3	1085.1	1082.4	1076.2	1070.8	1066.4	1070.8
15°	1094.9	1094.0	1097.5	1103.8	1107.8	1113.1	1110.0	1099.3	1092.2	1086.4	1090.9
17.5°	1121.1	1120.7	1124.2	1132.2	1138.0	1145.1	1139.8	1127.3	1119.8	1112.7	1117.1
20°	1149.6	1150.9	1154.5	1162.0	1170.5	1179.8	1175.4	1162.0	1153.6	1145.6	1149.1
22.5°	1184.7	1185.2	1189.2	1199.0	1210.1	1219.0	1216.3	1199.9	1189.2	1180.7	1185.2
25°	1227.0	1226.5	1231.9	1243.5	1259.0	1267.9	1262.1	1243.9	1232.3	1222.5	1226.1
27.5°	1275.5	1275.0	1283.0	1298.2	1320.4	1332.9	1320.9	1298.2	1282.2	1268.4	1271.5
30°	1336.4	1335.1	1344.0	1364.5	1393.4	1414.3	1396.5	1364.9	1344.0	1329.3	1332.4
32.5°	1404.1	1405.8	1417.0	1444.5	1481.0	1508.2	1481.5	1446.3	1418.3	1396.9	1400.5
35°	1478.4	1478.4	1501.0	1535.3	1587.4	1623.4	1582.0	1531.3	1493.9	1464.6	1465.5
37.5°	1561.1	1562.0	1591.8	1639.0	1707.0	1749.3	1693.2	1630.5	1585.1	1553.5	1551.8
40°	1662.1	1664.8	1695.5	1748.0	1824.5	1863.2	1803.1	1741.7	1695.5	1658.1	1654.5
42.5°	1776.0	1776.9	1809.3	1856.5	1921.0	1944.1	1897.0	1846.7	1808.9	1775.1	1771.5
45°	1884.5	1882.3	1910.3	1945.5	1982.9	1985.1	1958.8	1938.4	1905.4	1876.5	1871.2
47.5°	1969.1	1967.3	1992.6	2011.8	2016.2	1994.4	2002.9	2006.0	1967.7	1928.6	1918.3
50°	2020.7	2024.2	2048.3	2058.9	2032.7	1997.1	2029.1	2021.1	1966.4	1915.2	1898.8
52.5°	2051.8	2057.2	2099.0	2126.1	2099.0	2065.2	2069.6	2022.4	1943.7	1876.1	1854.7
55°	1973.1	1994.4	2084.7	2204.9	2249.3	2225.8	2141.2	2019.8	1873.9	1775.5	1757.3
57.5°	1462.3	1496.1	1630.1	1890.3	2160.8	2246.7	1999.8	1693.2	1472.1	1345.8	1335.1
60°	746.5	784.3	891.6	1158.9	1506.8	1627.8	1392.9	1084.2	861.7	759.4	747.9
62.5°	304.7	311.0	346.1	449.3	666.0	768.3	674.9	473.8	355.9	327.9	328.3
65°	239.8	241.1	239.3	245.6	278.9	309.6	286.1	251.4	245.1	248.2	246.0
67.5°	209.1	209.5	208.2	208.2	209.5	208.2	210.9	212.2	213.1	216.7	214.4
70°	174.8	175.3	175.3	176.2	175.7	173.5	177.5	179.3	179.7	182.0	180.6
72.5°	135.2	136.6	137.5	137.9	137.5	136.1	138.4	141.5	141.0	143.3	141.0
75°	91.6	93.4	94.3	96.1	95.7	95.7	98.3	99.7	98.3	100.1	98.3
77.5°	52.1	53.4	56.1	57.8	59.6	60.9	62.7	63.6	63.2	64.1	63.2
80°	30.3	30.7	32.9	33.8	36.0	38.3	40.0	40.9	41.4	41.8	41.4
82.5°	17.4	17.8	18.7	19.6	21.4	23.1	24.9	26.2	26.2	26.7	26.2
85°	8.5	8.5	8.9	9.3	10.2	11.6	12.9	14.2	14.7	14.7	14.7
87.5°	1.3	1.3	1.8	1.8	2.2	2.7	3.6	4.4	4.9	4.9	4.9
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)