

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: P631088

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631088
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-SA1F-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6486.2 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

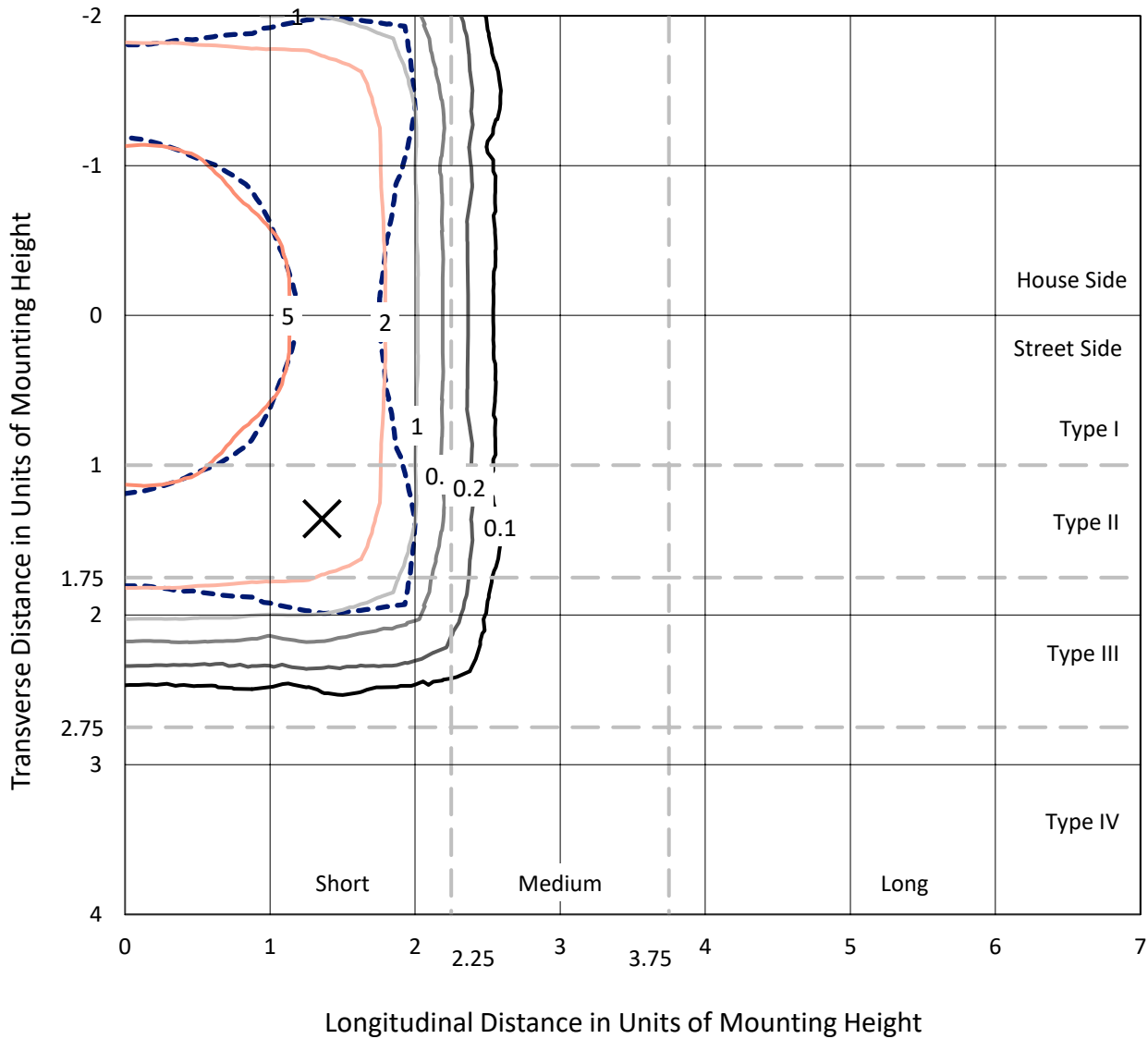
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

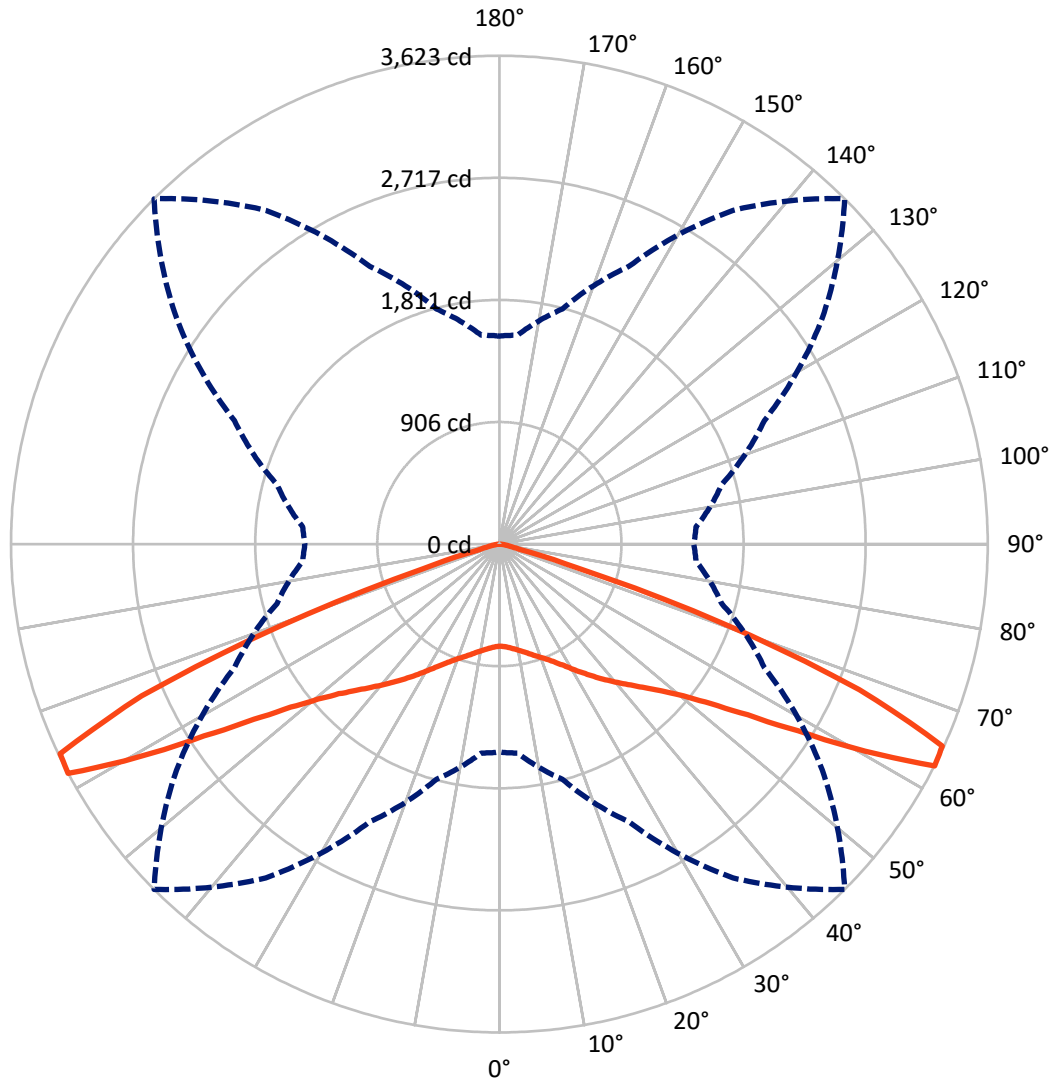
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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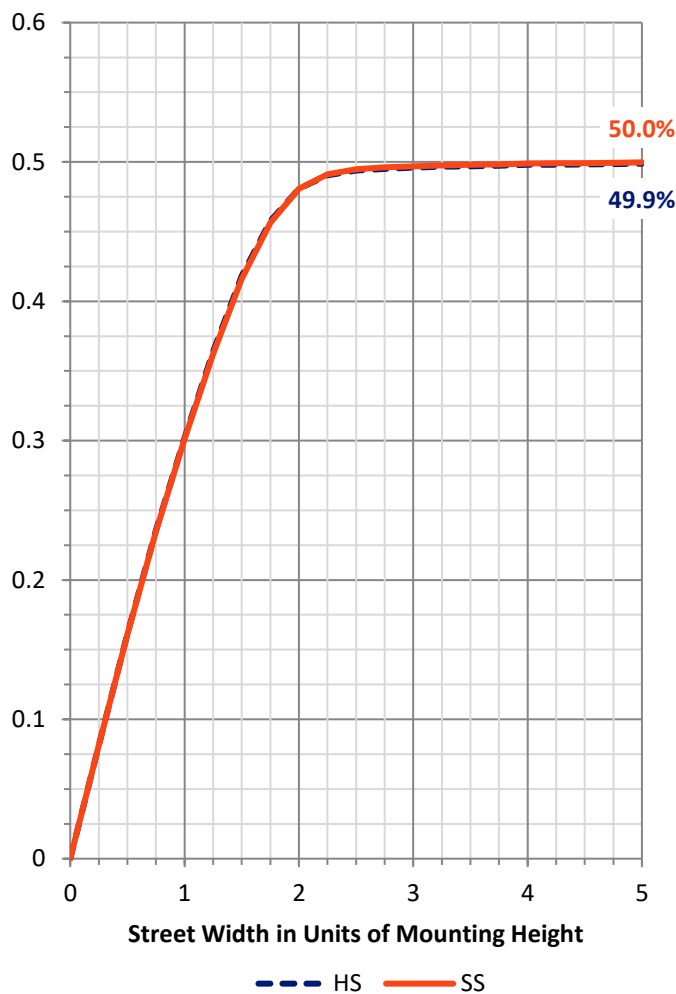
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3243.1	0.0	3243.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3243.1	0.0	3243.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6486.2	0.0	6486.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.1
10°-20°	239.4	3.7
20°-30°	453.0	7.0
30°-40°	762.4	11.8
40°-50°	1218.1	18.8
50°-60°	1963.5	30.3
60°-70°	1602.0	24.7
70°-80°	155.6	2.4
80°-90°	18.1	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°	6486.2	100.0
0°-180°	6486.2	100.0

Coefficient of Utilization



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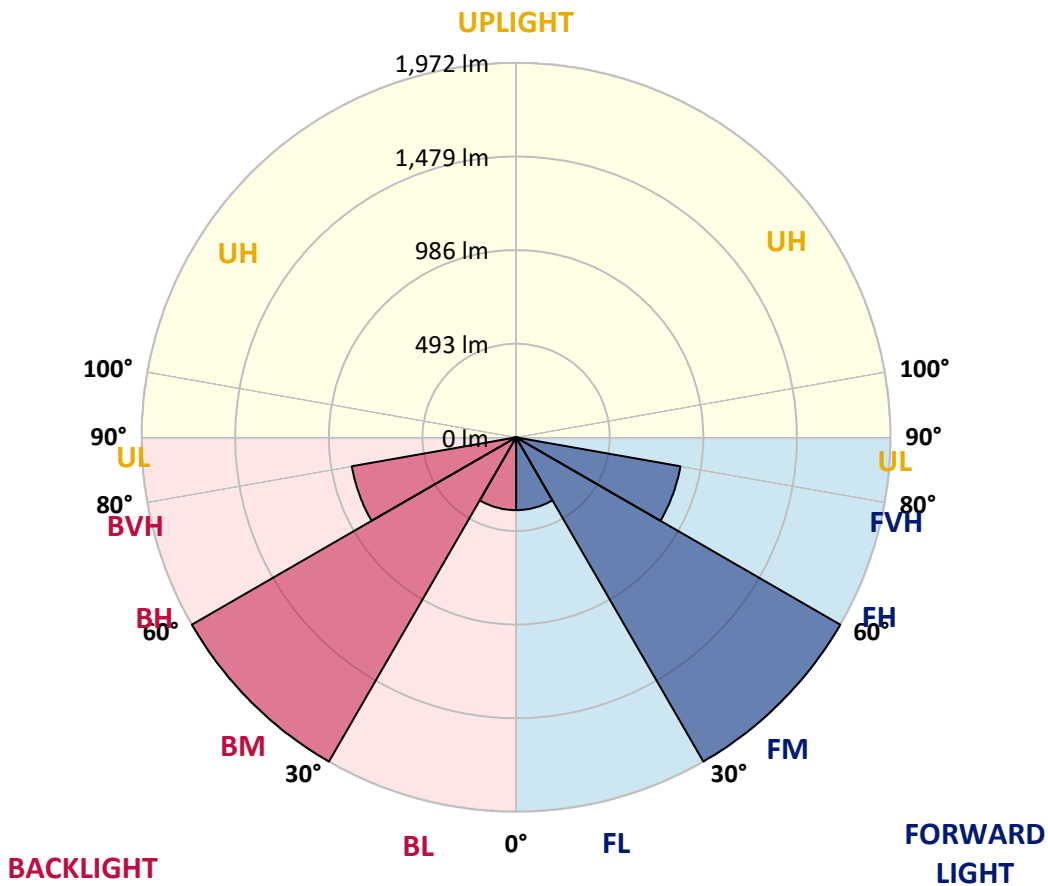
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.3	5.9			
FM (30°-60°)	1972.0	30.4			
FH (60°-80°)	878.8	13.5			G1/1800
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	383.3	5.9	B1/500		
BM (30°-60°)	1972.0	30.4	B2/2500		
BH (60°-80°)	878.8	13.5	B2/1000		G1/1800
BVH (80°-90°)	9.0	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7
2.5°	755.8	755.8	757.6	758.9	758.0	761.6	761.2	760.3	759.8	758.5	762.5
5°	766.0	766.0	767.4	768.7	766.5	770.9	769.2	768.3	767.8	766.0	769.6
7.5°	777.6	778.9	779.4	781.6	780.3	785.2	783.8	782.1	781.2	778.9	782.1
10°	790.5	791.4	791.8	795.9	796.3	802.1	800.7	798.5	796.7	794.5	799.0
12.5°	807.9	808.3	809.6	814.5	815.9	820.3	819.9	816.8	814.5	811.4	816.3
15°	830.1	830.5	832.8	837.7	839.9	845.2	843.4	838.6	835.4	831.9	835.9
17.5°	853.2	855.0	857.2	862.1	865.2	871.5	869.3	863.9	861.2	857.7	860.4
20°	883.0	883.5	884.8	890.2	892.4	899.5	899.9	894.6	893.3	889.7	893.7
22.5°	916.0	916.4	917.7	923.5	927.5	932.0	934.6	931.5	929.3	924.9	929.8
25°	952.4	956.9	958.2	965.3	969.8	972.5	975.6	974.2	971.1	965.8	968.0
27.5°	1003.6	1004.5	1006.7	1014.7	1017.4	1020.1	1023.2	1023.6	1019.2	1012.9	1016.1
30°	1061.9	1061.4	1066.3	1072.6	1074.8	1077.0	1081.4	1084.1	1078.3	1071.7	1074.8
32.5°	1121.5	1126.8	1133.1	1138.8	1137.5	1138.4	1145.5	1150.4	1142.4	1130.4	1133.1
35°	1188.7	1192.2	1200.2	1208.7	1206.9	1205.6	1210.0	1214.9	1203.8	1188.2	1192.2
37.5°	1257.6	1263.0	1275.0	1285.2	1282.5	1276.3	1281.2	1286.5	1275.9	1258.1	1256.3
40°	1334.6	1343.0	1360.4	1368.8	1361.7	1349.7	1358.2	1371.1	1360.4	1339.9	1335.0
42.5°	1424.9	1435.1	1452.5	1465.4	1449.8	1430.2	1444.5	1463.1	1460.5	1433.3	1424.9
45°	1536.5	1543.2	1564.6	1570.8	1547.7	1520.5	1546.3	1574.8	1568.1	1538.8	1527.6
47.5°	1658.0	1668.2	1686.9	1698.5	1661.1	1627.3	1663.3	1701.6	1694.5	1666.9	1654.0
50°	1812.8	1826.1	1850.6	1860.4	1808.8	1770.1	1816.4	1864.8	1851.1	1814.1	1797.2
52.5°	1981.4	1992.1	2033.9	2053.5	2005.0	1963.2	2003.6	2051.2	2021.9	1972.9	1950.3
55°	2130.0	2140.7	2202.0	2267.0	2264.8	2235.9	2256.3	2257.2	2177.6	2096.6	2072.6
57.5°	2162.0	2172.7	2289.7	2459.6	2579.7	2613.1	2553.0	2426.7	2226.1	2084.2	2057.0
60°	1991.2	2003.2	2189.1	2499.7	2894.7	3117.6	2840.9	2423.1	2076.2	1884.0	1858.2
62.5°	1542.8	1555.7	1805.7	2271.9	3021.9	3622.5	2924.5	2168.2	1707.8	1464.5	1441.8
65°	736.7	736.7	1054.3	1629.5	2768.3	3610.5	2682.5	1604.2	1028.1	789.6	770.0
67.5°	182.4	183.3	271.4	634.4	1883.1	2881.3	1913.8	770.0	362.1	256.2	249.6
70°	113.9	113.4	125.9	171.7	658.8	1748.7	782.5	232.2	147.2	129.9	129.0
72.5°	88.5	88.5	94.8	109.9	172.6	595.7	228.2	129.0	106.8	96.1	96.1
75°	69.8	69.8	74.3	82.3	101.9	153.5	121.4	95.6	82.7	75.6	74.7
77.5°	52.0	52.9	56.5	61.8	69.4	86.3	77.0	72.1	64.5	59.2	57.4
80°	33.8	35.1	39.6	42.7	45.4	56.9	50.3	52.5	48.9	42.7	41.8
82.5°	18.2	18.7	24.0	24.9	25.8	31.1	32.0	33.4	34.7	27.1	25.4
85°	6.7	6.7	8.0	9.3	10.2	11.1	15.1	18.7	19.6	15.6	15.1
87.5°	1.3	1.3	1.3	0.9	0.9	0.9	2.7	4.9	8.0	6.2	6.2
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)