

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: P631090

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 5241 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

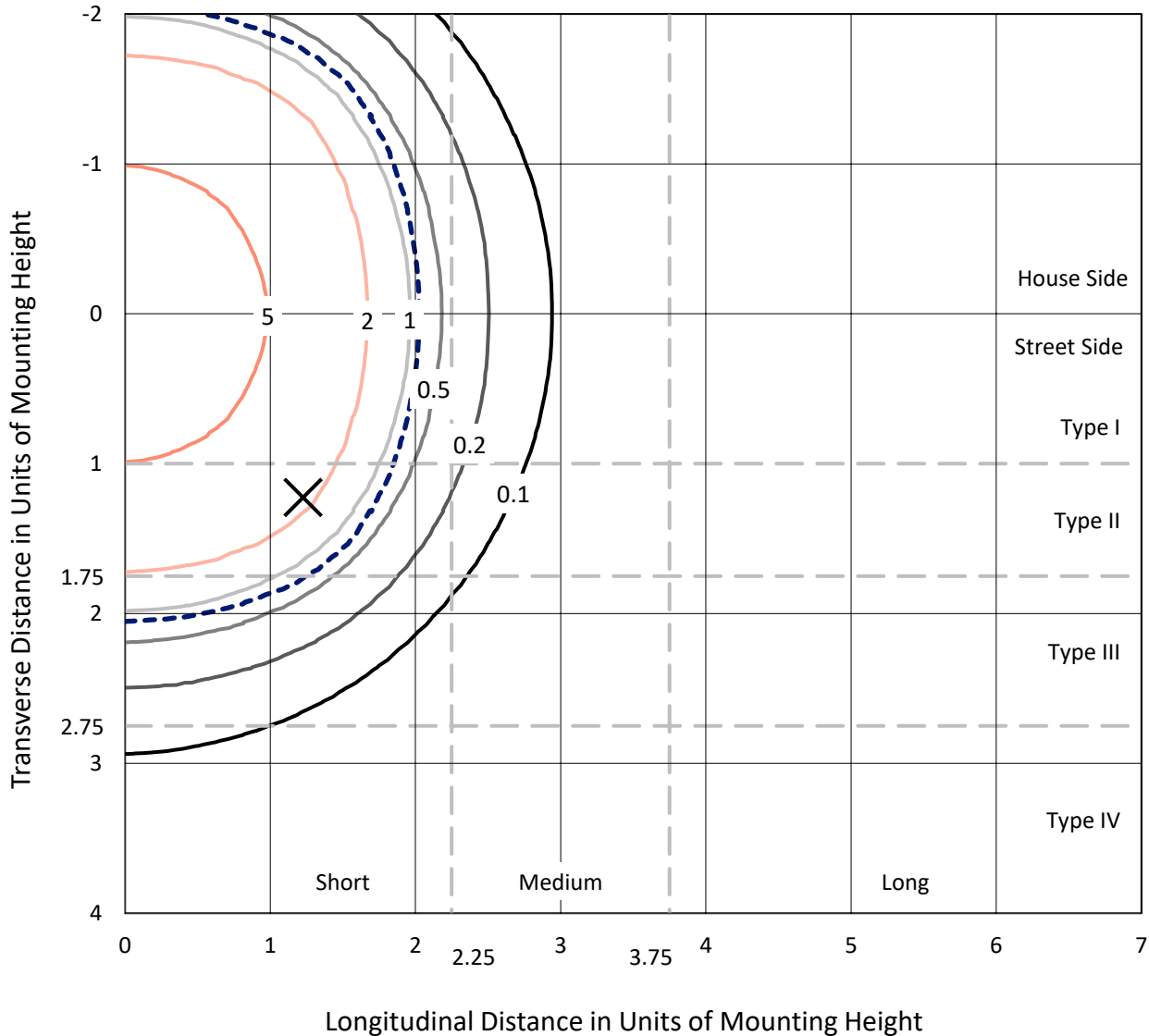
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

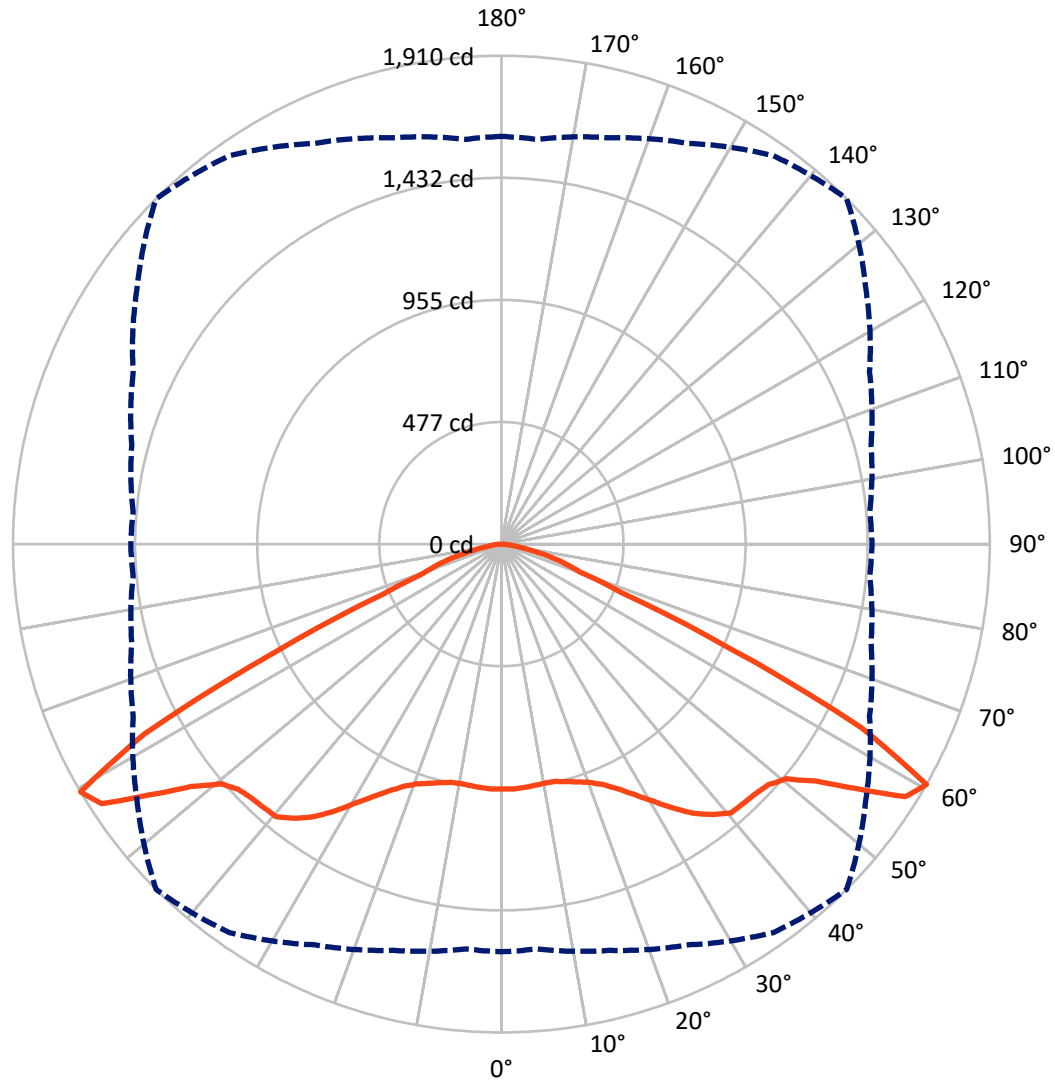
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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 60-Deg Vertical

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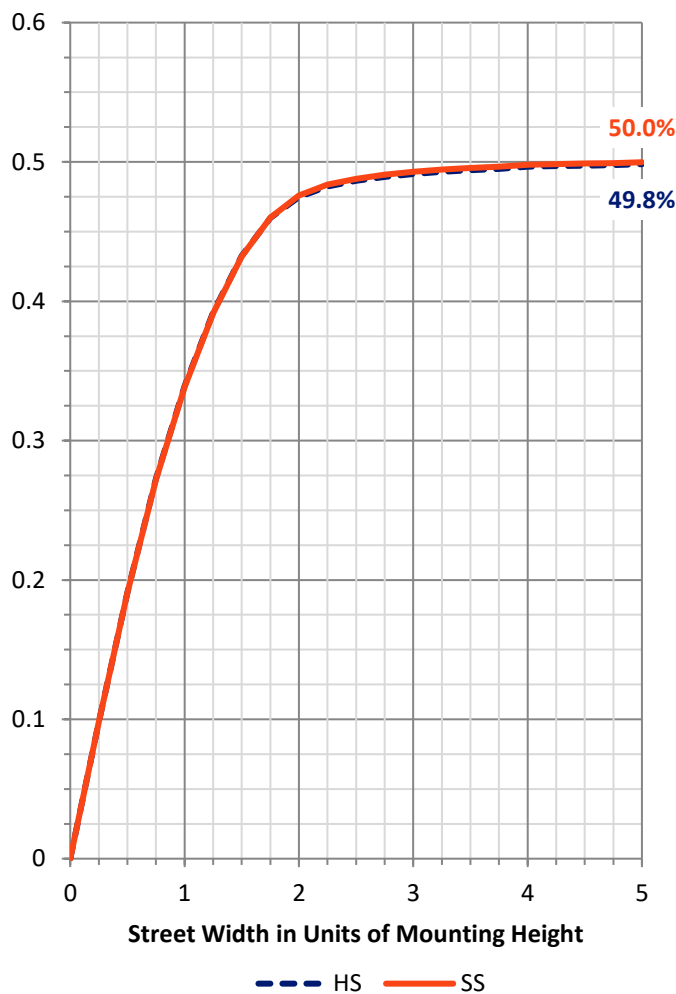
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2620.5	0.0	2620.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2620.5	0.0	2620.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5241.0	0.0	5241.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.7
10°-20°	273.2	5.2
20°-30°	483.4	9.2
30°-40°	778.2	14.8
40°-50°	1069.6	20.4
50°-60°	1425.4	27.2
60°-70°	888.4	17.0
70°-80°	204.3	3.9
80°-90°	27.7	0.5
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°	5241.0	100.0
0°-180°	5241.0	100.0

Coefficient of Utilization



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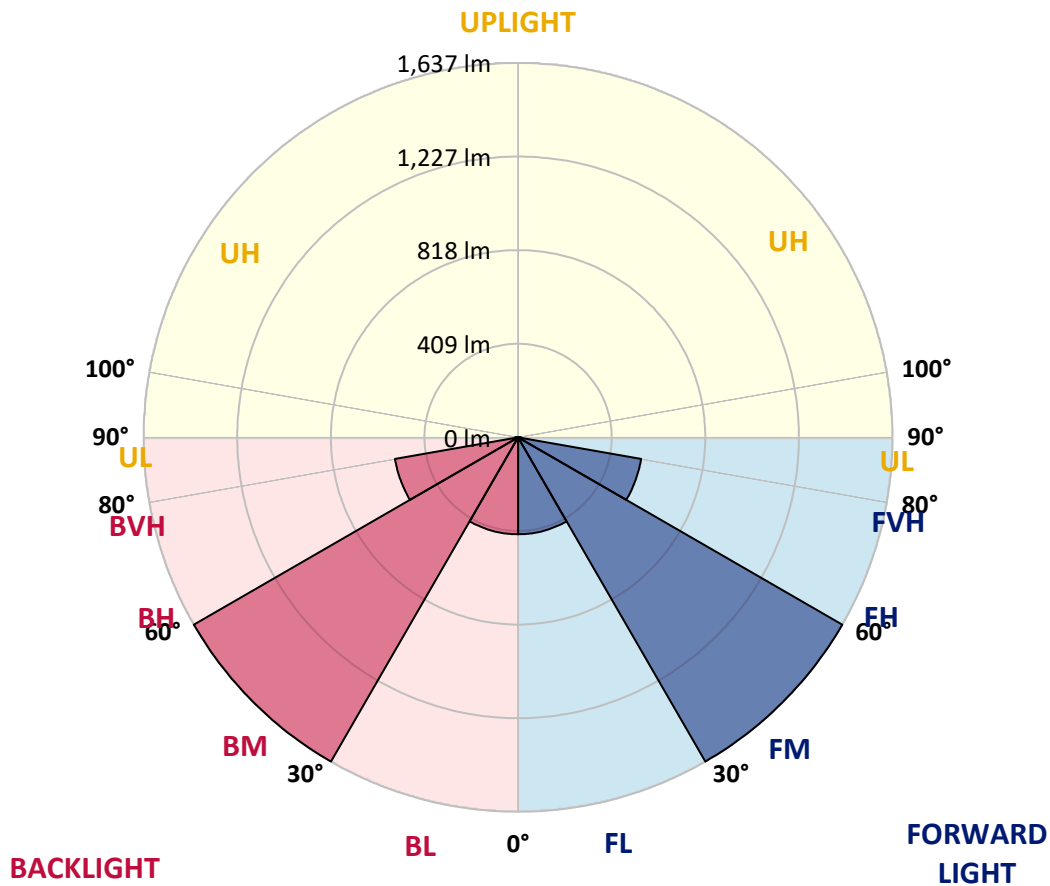
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.7	8.1			
FM (30°-60°)	1636.6	31.2			
FH (60°-80°)	546.3	10.4			G0/660
FVH (80°-90°)	13.9	0.3			G1/100
BL (0°-30°)	423.7	8.1	B1/500		
BM (30°-60°)	1636.6	31.2	B2/2500		
BH (60°-80°)	546.3	10.4	B2/1000		G0/660
BVH (80°-90°)	13.9	0.3			G1/100
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°	957.8	957.8	957.8	957.8	957.8	957.8	957.8	957.8	957.8	957.8	957.8
2.5°	951.1	952.0	953.8	955.1	956.9	958.7	959.6	957.8	956.9	953.3	957.3
5°	952.0	952.9	954.2	954.2	954.7	956.0	956.0	953.8	951.6	947.6	952.0
7.5°	950.7	951.6	952.0	951.6	952.0	952.4	951.6	948.9	946.7	943.1	946.7
10°	948.4	949.3	950.2	949.3	948.4	949.8	949.8	948.0	946.7	943.1	947.1
12.5°	953.3	954.7	955.1	952.9	952.0	952.4	952.4	950.7	950.7	947.6	952.0
15°	964.9	965.8	964.5	961.8	962.2	963.6	960.5	956.0	955.1	953.8	957.3
17.5°	973.8	974.7	973.4	971.6	974.7	977.8	972.0	963.6	960.9	960.0	964.0
20°	983.6	984.9	983.1	985.4	991.6	995.2	988.0	976.5	971.1	969.8	974.7
22.5°	999.6	1001.4	1001.4	1006.3	1015.6	1021.4	1012.5	996.9	988.9	986.7	991.6
25°	1025.0	1026.3	1027.6	1037.4	1052.5	1060.5	1046.3	1025.0	1013.8	1010.3	1012.9
27.5°	1060.1	1062.3	1064.6	1078.8	1097.5	1109.0	1088.6	1061.9	1048.1	1041.0	1046.3
30°	1101.9	1105.0	1110.4	1126.4	1152.6	1165.5	1139.3	1106.8	1091.2	1083.7	1090.8
32.5°	1158.9	1159.3	1163.3	1181.1	1215.8	1230.5	1197.6	1161.5	1145.5	1136.6	1140.6
35°	1226.5	1226.9	1220.7	1238.9	1276.3	1292.8	1254.1	1217.6	1204.2	1201.6	1211.8
37.5°	1295.9	1291.9	1285.6	1293.7	1331.5	1342.1	1301.2	1270.1	1264.3	1269.2	1284.3
40°	1345.3	1338.6	1326.1	1331.9	1370.2	1382.6	1339.0	1309.7	1307.9	1319.9	1338.1
42.5°	1377.3	1370.2	1355.5	1355.5	1381.7	1387.1	1353.3	1337.7	1341.7	1355.5	1372.8
45°	1392.9	1388.9	1380.4	1376.0	1390.6	1392.9	1367.1	1360.8	1368.4	1375.1	1388.4
47.5°	1404.9	1404.9	1402.2	1397.8	1404.4	1405.8	1386.6	1384.9	1394.6	1394.6	1403.5
50°	1426.2	1428.4	1432.0	1431.1	1438.2	1442.7	1428.4	1425.8	1429.8	1416.9	1421.3
52.5°	1482.3	1488.1	1498.3	1506.3	1524.5	1538.3	1513.0	1491.6	1470.7	1442.2	1443.1
55°	1582.8	1585.5	1605.5	1629.1	1659.8	1687.8	1635.8	1569.5	1524.1	1490.7	1491.2
57.5°	1667.8	1671.8	1701.1	1750.5	1819.5	1863.1	1747.9	1637.1	1573.0	1532.1	1533.4
60°	1594.4	1589.0	1644.7	1729.2	1854.2	1909.8	1739.9	1588.6	1496.5	1445.8	1449.4
62.5°	1233.6	1223.4	1285.2	1373.7	1523.6	1579.3	1422.7	1277.6	1190.4	1150.9	1145.1
65°	750.9	741.6	786.1	840.3	941.8	976.9	905.3	828.3	752.3	728.2	721.6
67.5°	408.8	407.5	419.5	446.2	490.7	507.1	493.4	456.9	437.3	420.4	420.4
70°	324.3	321.6	319.4	319.9	323.9	326.1	326.5	324.7	327.0	327.4	325.6
72.5°	268.7	267.8	263.4	263.8	262.0	261.1	264.2	266.0	269.6	270.0	270.0
75°	194.8	192.6	194.8	195.3	193.5	193.5	195.7	195.3	197.1	198.0	193.1
77.5°	110.8	110.8	113.9	117.4	120.1	120.1	122.3	122.3	124.6	124.1	123.2
80°	60.9	60.9	62.7	64.9	67.6	70.3	72.5	73.0	74.3	73.8	72.5
82.5°	34.7	35.1	36.0	37.4	40.0	42.3	44.5	44.9	46.3	46.3	44.9
85°	16.5	16.0	16.5	17.3	18.7	20.5	22.7	24.0	24.9	24.9	24.0
87.5°	3.1	3.6	3.1	3.6	4.0	5.3	6.2	7.1	8.5	8.9	8.0
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)