

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: P631363

Luminaire Tested: GWS-SA1F-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631363
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-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9007.5 lumens
Efficiency: N/A
Efficacy: 134.0 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

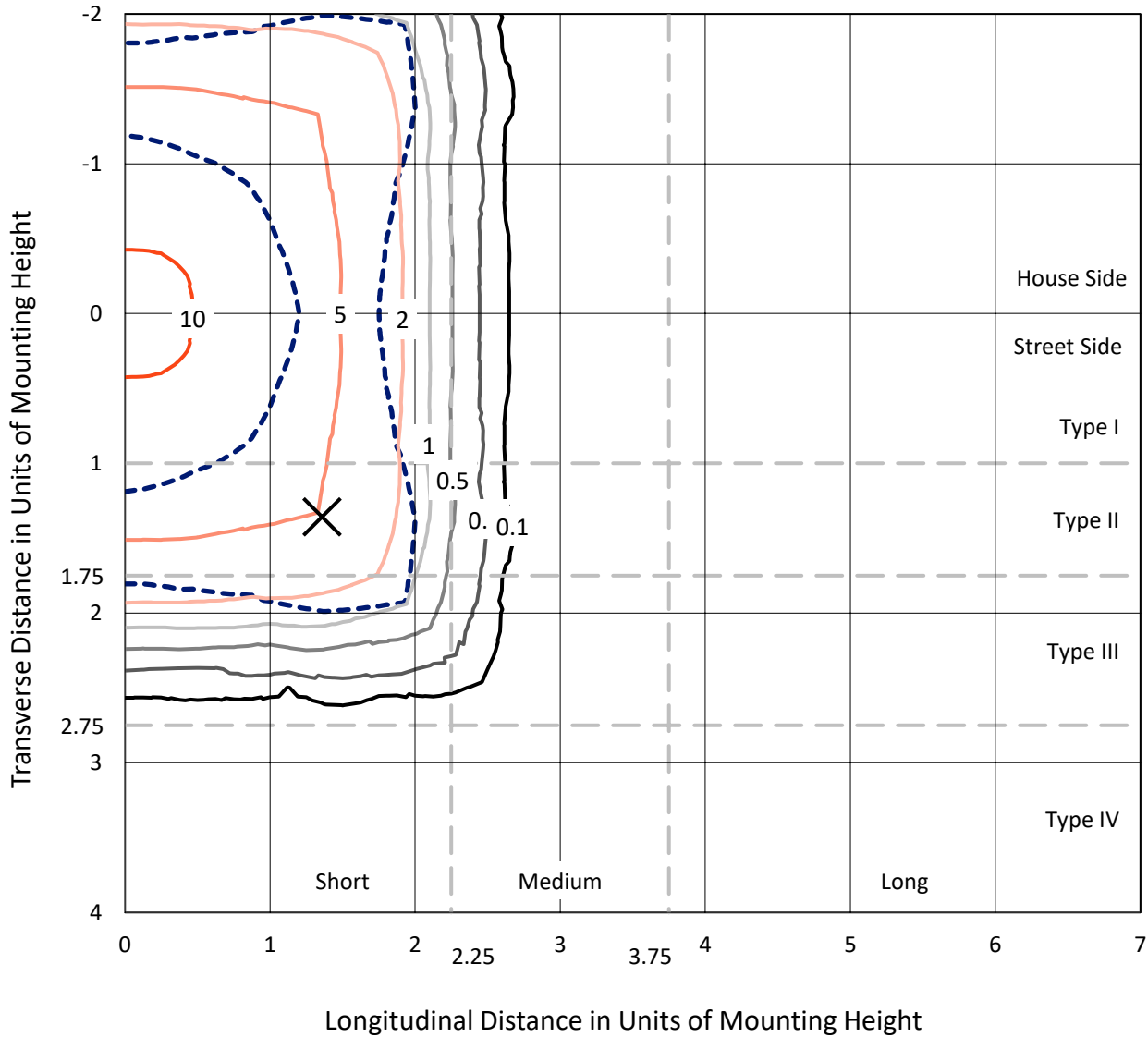
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

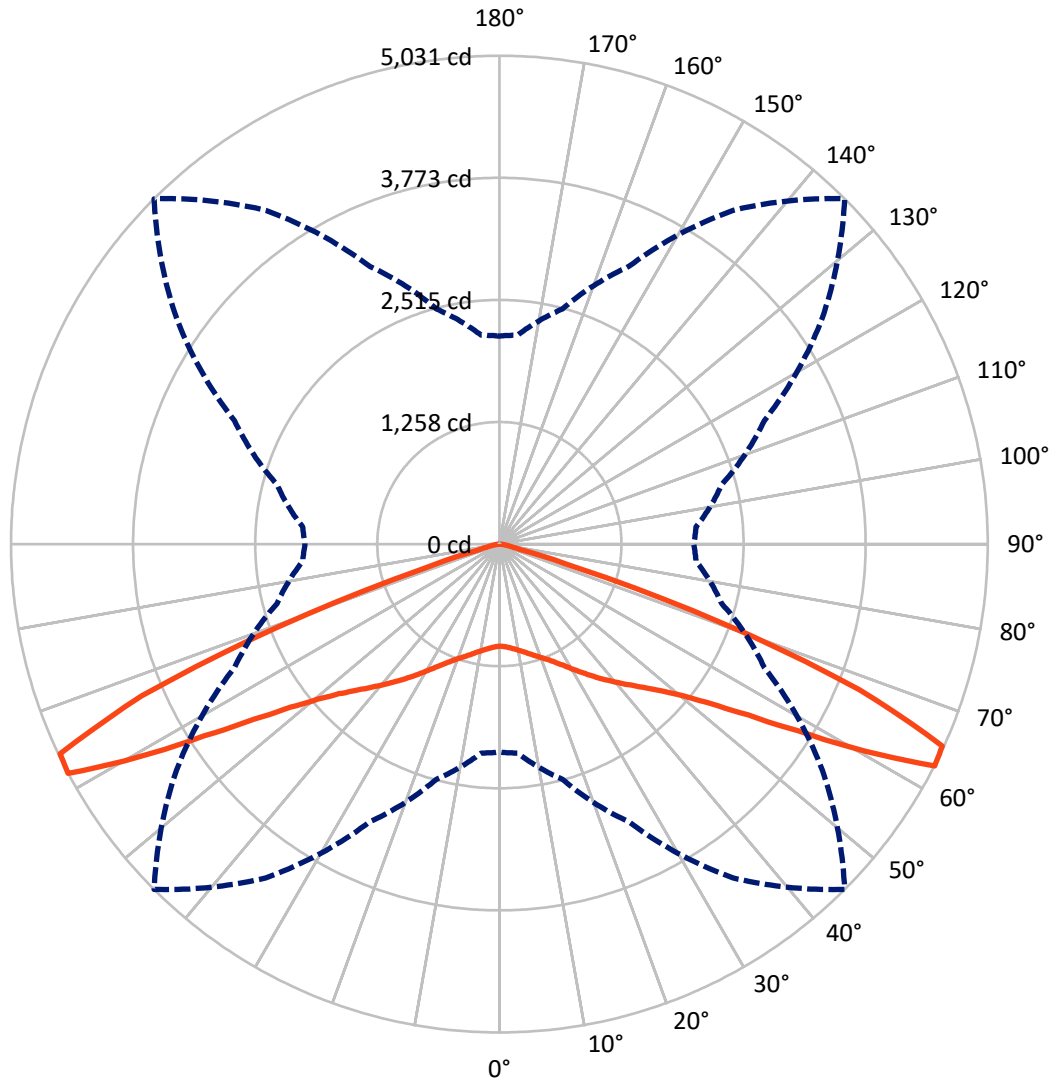
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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	4503.8	0.0	4503.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4503.8	0.0	4503.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9007.5	0.0	9007.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	1.1
10°-20°	332.5	3.7
20°-30°	629.0	7.0
30°-40°	1058.8	11.8
40°-50°	1691.6	18.8
50°-60°	2726.7	30.3
60°-70°	2224.7	24.7
70°-80°	216.0	2.4
80°-90°	25.1	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°	9007.5	100.0
0°-180°	9007.5	100.0

Coefficient of Utilization



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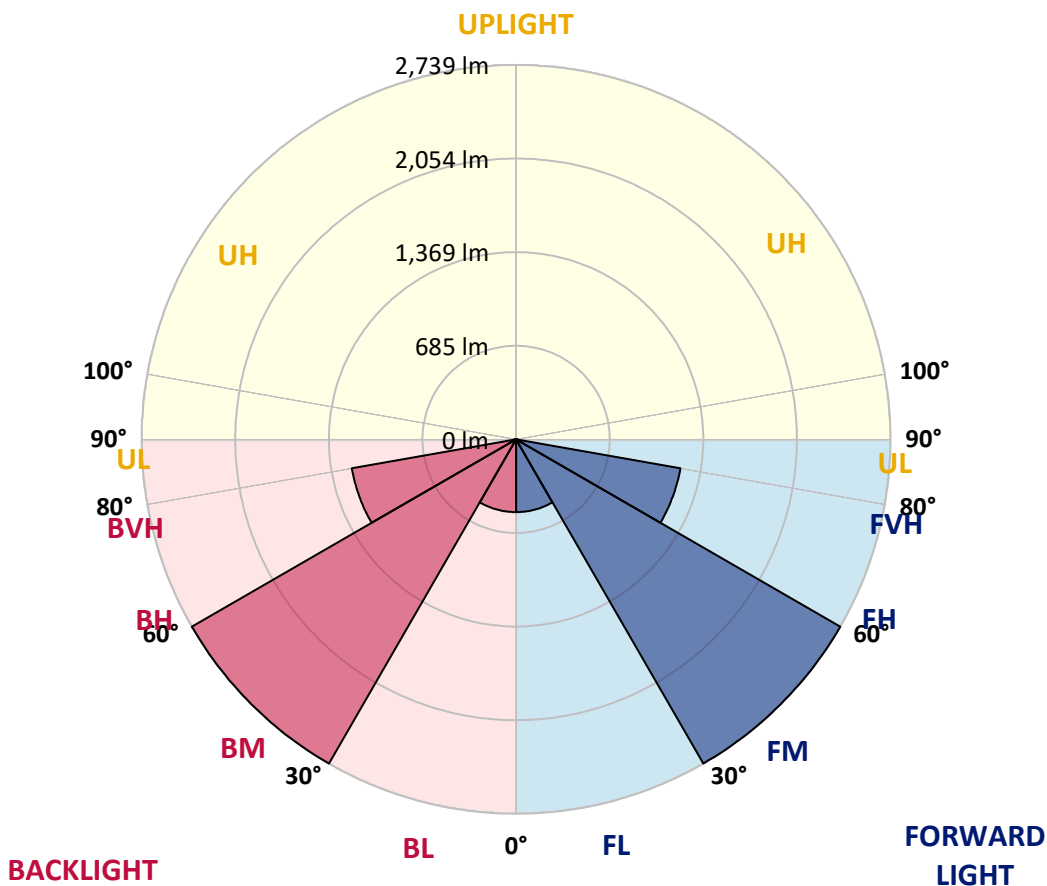
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.3	5.9			
FM (30°-60°)	2738.5	30.4			
FH (60°-80°)	1220.4	13.5			G1/1800
FVH (80°-90°)	12.6	0.1			G1/100
BL (0°-30°)	532.3	5.9	B2/1000		
BM (30°-60°)	2738.5	30.4	B3/5000		
BH (60°-80°)	1220.4	13.5	B3/2500		G1/1800
BVH (80°-90°)	12.6	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°	1050.8	1050.8	1050.8	1050.8	1050.8	1050.8	1050.8	1050.8	1050.8	1050.8	1050.8
2.5°	1049.6	1049.6	1052.1	1053.9	1052.7	1057.6	1057.0	1055.8	1055.2	1053.3	1058.9
5°	1063.8	1063.8	1065.7	1067.5	1064.4	1070.6	1068.1	1066.9	1066.3	1063.8	1068.8
7.5°	1079.9	1081.7	1082.4	1085.4	1083.6	1090.4	1088.5	1086.1	1084.8	1081.7	1086.1
10°	1097.8	1099.0	1099.7	1105.2	1105.8	1113.9	1112.0	1108.9	1106.4	1103.4	1109.5
12.5°	1121.9	1122.5	1124.4	1131.2	1133.0	1139.2	1138.6	1134.2	1131.2	1126.8	1133.6
15°	1152.8	1153.4	1156.5	1163.3	1166.4	1173.8	1171.3	1164.5	1160.2	1155.3	1160.8
17.5°	1184.9	1187.4	1190.5	1197.3	1201.6	1210.2	1207.1	1199.7	1196.0	1191.1	1194.8
20°	1226.3	1226.9	1228.8	1236.2	1239.3	1249.2	1249.8	1242.4	1240.5	1235.6	1241.1
22.5°	1272.0	1272.6	1274.5	1282.5	1288.1	1294.3	1298.0	1293.6	1290.5	1284.4	1291.2
25°	1322.7	1328.8	1330.7	1340.6	1346.8	1350.5	1354.8	1352.9	1348.6	1341.2	1344.3
27.5°	1393.7	1395.0	1398.0	1409.2	1412.9	1416.6	1420.9	1421.5	1415.3	1406.7	1411.0
30°	1474.6	1474.0	1480.8	1489.5	1492.6	1495.6	1501.8	1505.5	1497.5	1488.2	1492.6
32.5°	1557.4	1564.8	1573.5	1581.5	1579.7	1580.9	1590.8	1597.6	1586.5	1569.8	1573.5
35°	1650.7	1655.7	1666.8	1678.5	1676.0	1674.2	1680.4	1687.2	1671.7	1650.1	1655.7
37.5°	1746.5	1753.9	1770.6	1784.8	1781.1	1772.4	1779.2	1786.6	1771.8	1747.1	1744.6
40°	1853.3	1865.1	1889.2	1900.9	1891.0	1874.3	1886.1	1904.0	1889.2	1860.8	1854.0
42.5°	1978.8	1993.0	2017.1	2035.0	2013.3	1986.2	2005.9	2031.9	2028.2	1990.5	1978.8
45°	2133.8	2143.1	2172.7	2181.4	2149.3	2111.6	2147.4	2186.9	2177.7	2136.9	2121.5
47.5°	2302.5	2316.7	2342.6	2358.7	2306.8	2259.8	2309.9	2363.0	2353.1	2314.8	2296.9
50°	2517.5	2536.0	2570.0	2583.6	2511.9	2458.2	2522.4	2589.7	2570.6	2519.3	2495.8
52.5°	2751.6	2766.4	2824.5	2851.7	2784.3	2726.3	2782.5	2848.6	2807.8	2739.9	2708.4
55°	2957.9	2972.8	3058.0	3148.2	3145.1	3105.0	3133.4	3134.6	3024.0	2911.6	2878.2
57.5°	3002.4	3017.2	3179.7	3415.7	3582.5	3628.8	3545.4	3370.0	3091.4	2894.3	2856.6
60°	2765.2	2781.9	3040.1	3471.3	4019.9	4329.4	3945.2	3365.1	2883.2	2616.3	2580.5
62.5°	2142.5	2160.4	2507.6	3155.0	4196.6	5030.6	4061.3	3011.1	2371.7	2033.7	2002.2
65°	1023.0	1023.0	1464.1	2262.9	3844.5	5013.9	3725.2	2227.7	1427.7	1096.6	1069.4
67.5°	253.3	254.5	376.8	881.0	2615.1	4001.4	2657.7	1069.4	502.9	355.8	346.6
70°	158.2	157.5	174.8	238.5	914.9	2428.5	1086.7	322.5	204.5	180.4	179.2
72.5°	122.9	122.9	131.6	152.6	239.7	827.2	316.9	179.2	148.3	133.4	133.4
75°	97.0	97.0	103.2	114.3	141.5	213.1	168.7	132.8	114.9	105.0	103.8
77.5°	72.3	73.5	78.5	85.9	96.4	119.8	106.9	100.1	89.6	82.2	79.7
80°	47.0	48.8	55.0	59.3	63.0	79.1	69.8	72.9	68.0	59.3	58.1
82.5°	25.3	25.9	33.4	34.6	35.8	43.2	44.5	46.3	48.2	37.7	35.2
85°	9.3	9.3	11.1	13.0	14.2	15.4	21.0	25.9	27.2	21.6	21.0
87.5°	1.9	1.9	1.9	1.2	1.2	1.2	3.7	6.8	11.1	8.6	8.6
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)