

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: P631364

Luminaire Tested: GWS-SA1F-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4535.3 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - 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

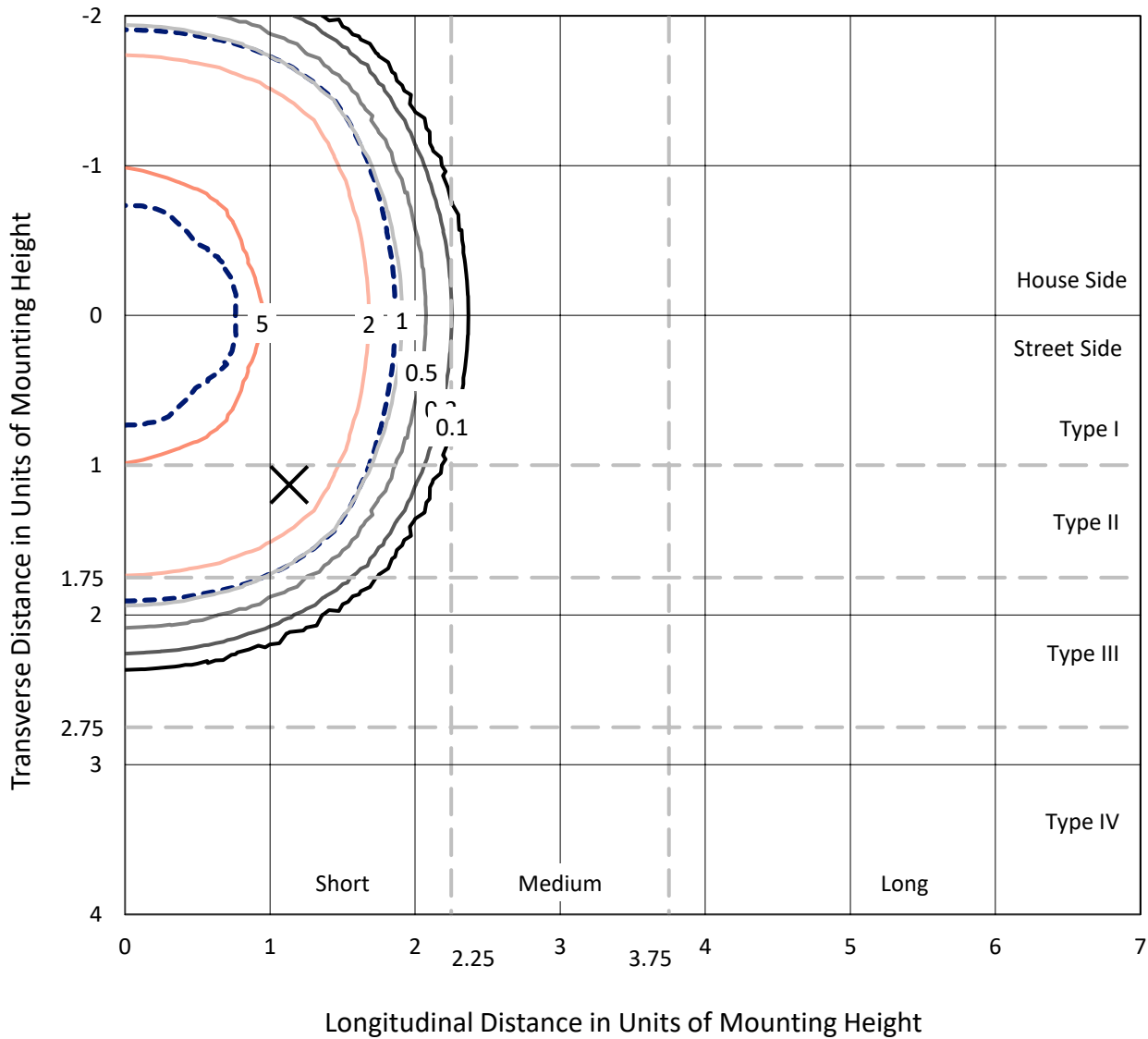


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Iso-Footcandle Lines of Horizontal Illumination

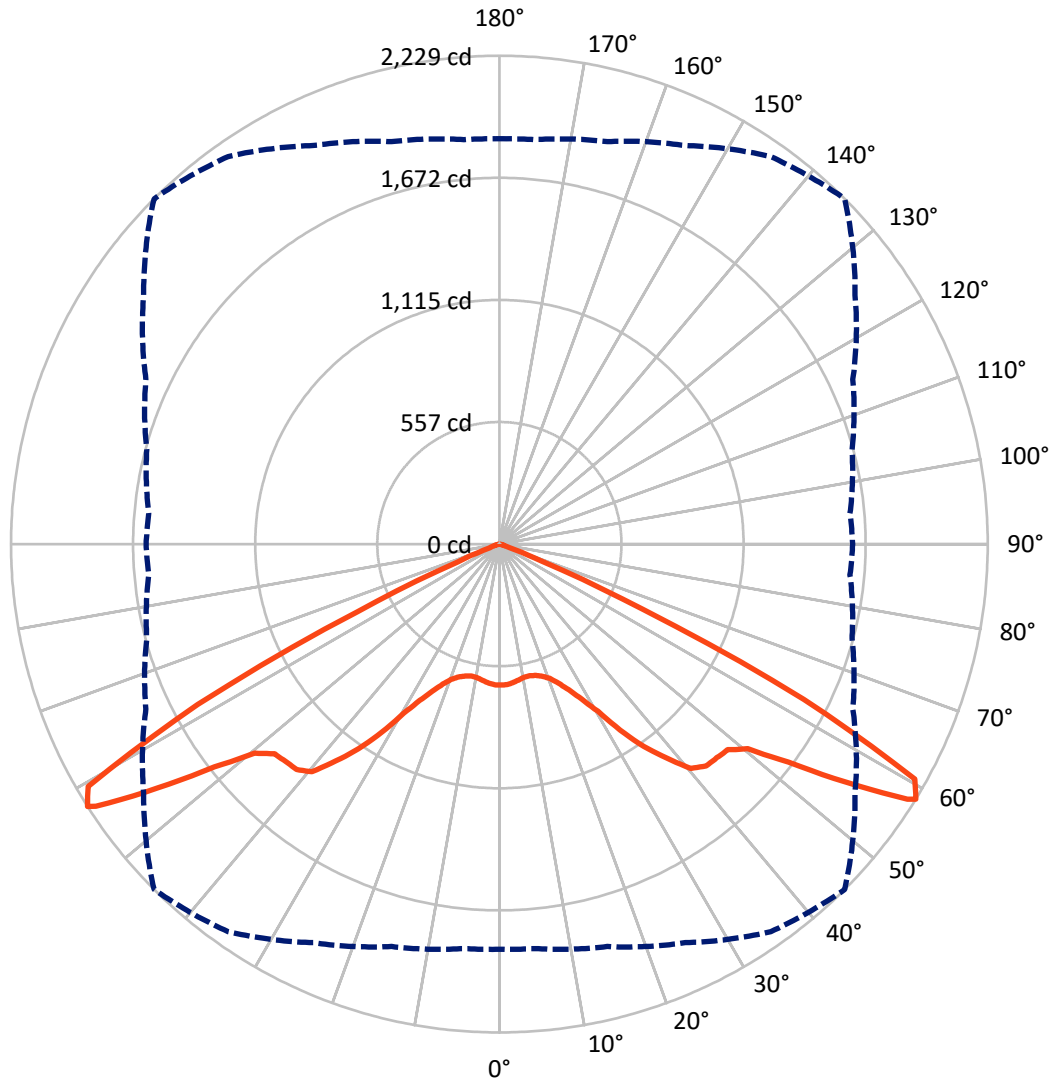
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2267.6	0.0	2267.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2267.6	0.0	2267.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4535.3	0.0	4535.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	1.3
10°-20°	177.6	3.9
20°-30°	335.8	7.4
30°-40°	662.3	14.6
40°-50°	1048.1	23.1
50°-60°	1540.6	34.0
60°-70°	687.7	15.2
70°-80°	23.0	0.5
80°-90°	0.2	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°	4535.3	100.0
0°-180°	4535.3	100.0

Coefficient of Utilization



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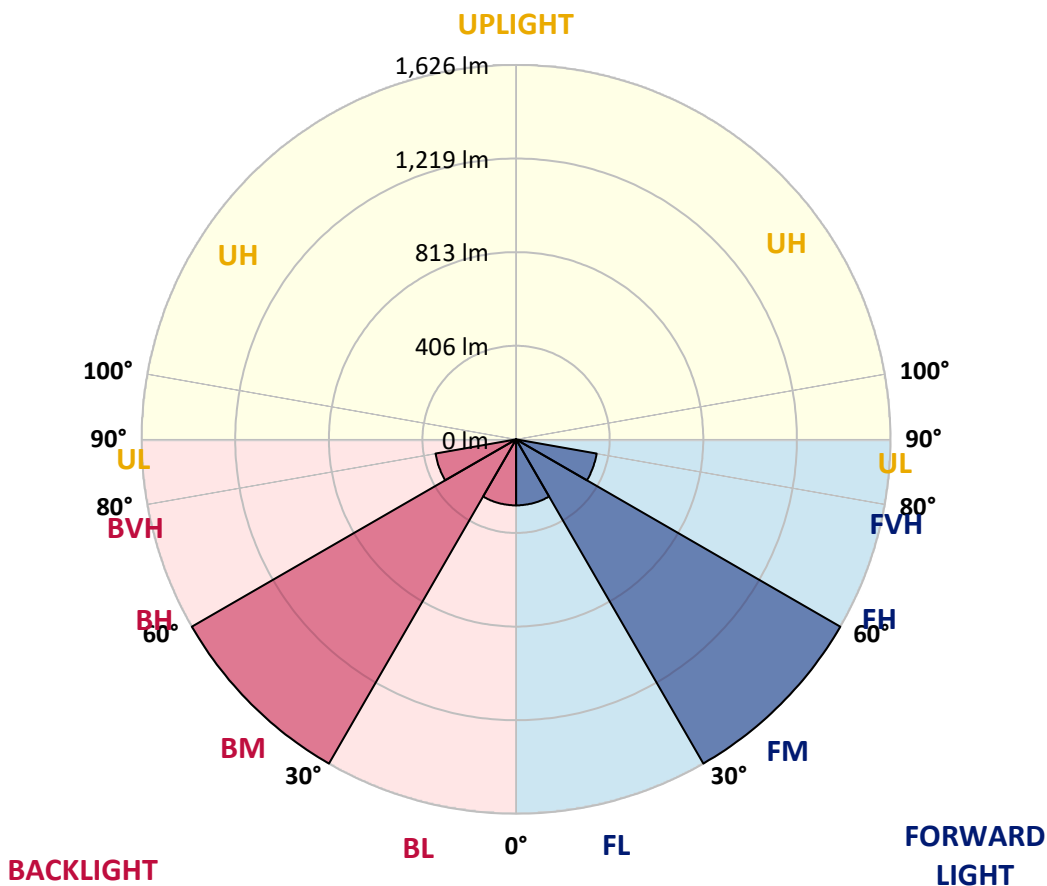
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	286.7	6.3			
FM (30°-60°)	1625.5	35.8			
FH (60°-80°)	355.3	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	286.7	6.3	B1/500		
BM (30°-60°)	1625.5	35.8	B2/2500		
BH (60°-80°)	355.3	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	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°	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2
2.5°	637.0	638.2	639.5	640.1	640.7	642.5	643.2	641.3	641.3	637.6	641.9
5°	633.9	635.1	636.4	635.8	635.8	635.8	635.1	632.7	632.0	628.3	632.7
7.5°	628.3	629.6	629.6	627.7	626.5	626.5	625.9	622.8	622.2	618.5	622.8
10°	624.0	624.6	624.0	620.3	617.8	617.8	617.2	616.0	616.6	614.1	617.8
12.5°	626.5	627.1	624.6	619.7	616.6	616.0	614.1	612.3	614.1	613.5	617.2
15°	634.5	635.1	630.8	624.6	622.2	622.2	617.2	612.3	614.7	615.4	619.7
17.5°	644.4	644.4	638.8	633.3	633.9	633.9	625.9	617.2	617.8	620.3	624.6
20°	656.1	656.1	650.6	649.3	653.7	654.3	644.4	630.8	627.7	629.6	634.5
22.5°	677.1	677.1	672.8	675.9	685.8	688.9	674.1	654.9	647.5	648.7	653.7
25°	709.9	709.9	708.7	716.1	730.3	737.1	717.3	692.0	679.6	677.8	683.3
27.5°	764.9	765.5	763.6	774.8	792.7	800.7	773.5	740.2	725.3	722.2	727.8
30°	835.9	835.9	836.5	852.0	875.5	886.0	850.1	811.2	793.9	784.0	791.4
32.5°	915.0	916.2	922.4	948.4	989.8	1011.4	958.9	904.5	876.7	866.2	874.2
35°	1045.4	1033.6	1026.2	1045.4	1105.3	1133.7	1066.4	1002.7	981.7	980.5	1000.9
37.5°	1174.5	1167.7	1152.3	1172.0	1225.8	1238.8	1164.6	1111.5	1096.7	1104.7	1125.1
40°	1277.1	1264.7	1244.3	1262.9	1333.3	1346.3	1254.8	1202.3	1196.7	1214.7	1242.5
42.5°	1358.0	1340.7	1313.5	1317.8	1374.7	1383.9	1303.0	1263.5	1267.2	1289.4	1320.9
45°	1394.5	1380.9	1356.8	1354.9	1390.7	1391.4	1327.7	1307.3	1317.2	1334.5	1359.2
47.5°	1409.9	1403.7	1390.1	1387.0	1407.4	1402.5	1362.9	1354.3	1363.6	1368.5	1382.7
50°	1448.2	1448.2	1450.1	1452.5	1473.5	1468.6	1440.8	1430.9	1419.2	1401.9	1406.2
52.5°	1555.7	1560.0	1577.9	1597.7	1636.0	1652.1	1607.0	1549.5	1493.3	1455.6	1455.6
55°	1749.7	1754.0	1775.0	1808.4	1878.8	1917.1	1812.1	1685.5	1608.2	1556.9	1563.7
57.5°	1856.6	1861.5	1904.8	1995.0	2131.5	2196.4	1970.9	1783.1	1674.9	1616.3	1621.2
58°	1849.8	1852.9	1901.7	2007.3	2159.3	2229.1	1982.0	1780.0	1666.3	1606.4	1612.5
60°	1643.4	1639.1	1717.0	1867.7	2082.1	2178.5	1871.4	1624.9	1492.7	1431.5	1434.6
62.5°	1074.4	1076.9	1144.2	1301.8	1468.6	1559.4	1307.3	1123.8	1017.6	980.5	971.2
65°	448.5	440.5	481.9	569.6	669.7	720.4	619.1	523.9	458.4	433.7	440.5
67.5°	115.5	112.4	114.9	144.0	176.1	208.2	174.8	133.5	116.2	117.4	117.4
70°	65.5	61.8	50.0	46.3	45.1	45.1	45.1	45.1	51.9	61.2	63.0
72.5°	49.4	46.3	36.5	31.5	27.8	25.9	27.2	31.5	37.7	45.7	47.0
75°	24.7	24.7	22.2	21.0	18.5	17.3	17.9	19.8	22.9	25.9	25.3
77.5°	4.9	5.6	6.2	7.4	6.2	6.2	6.2	7.4	7.4	8.0	7.4
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)