

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: P631361

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 6064.3 lumens
Efficiency: N/A
Efficacy: 90.2 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

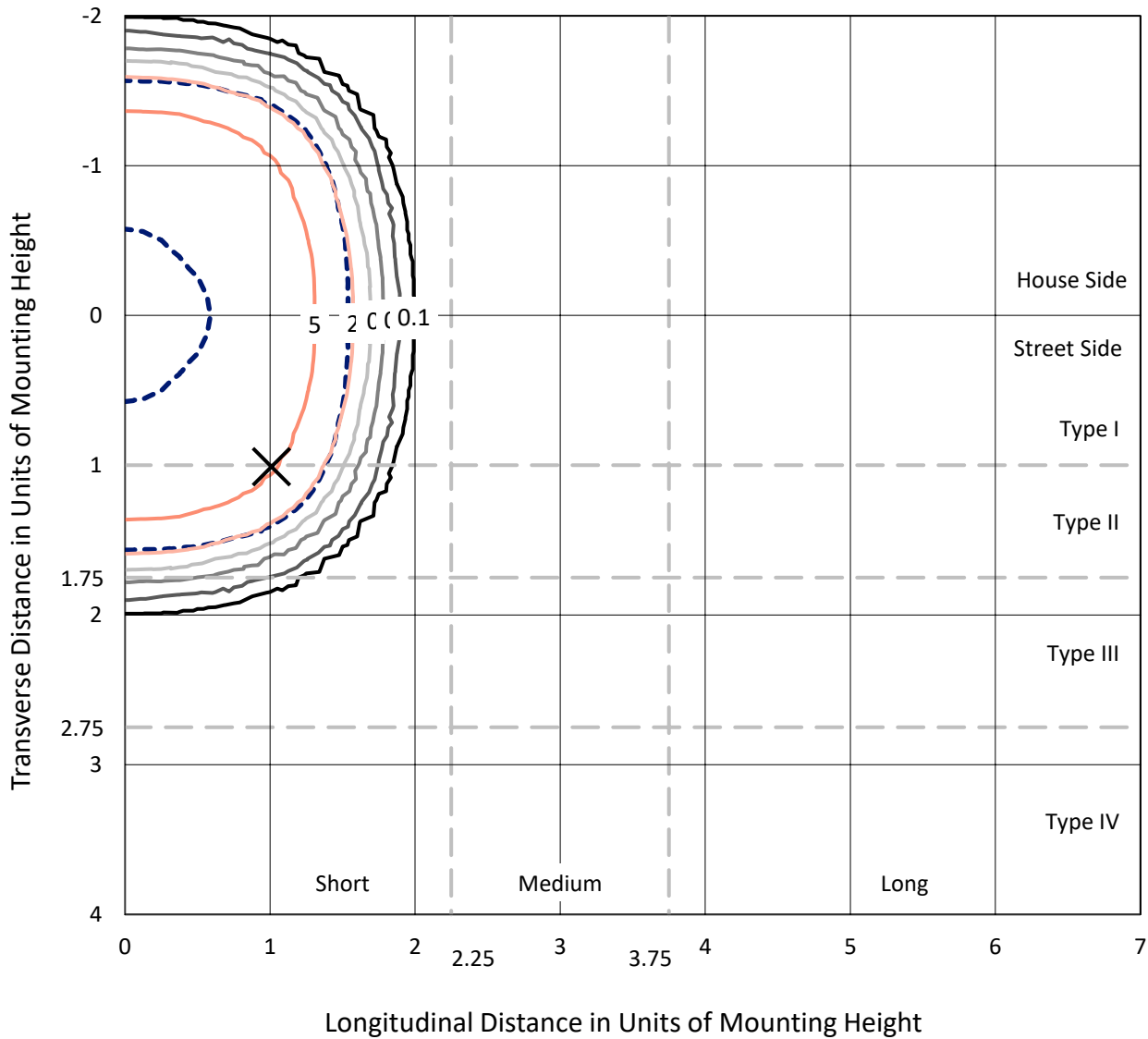
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

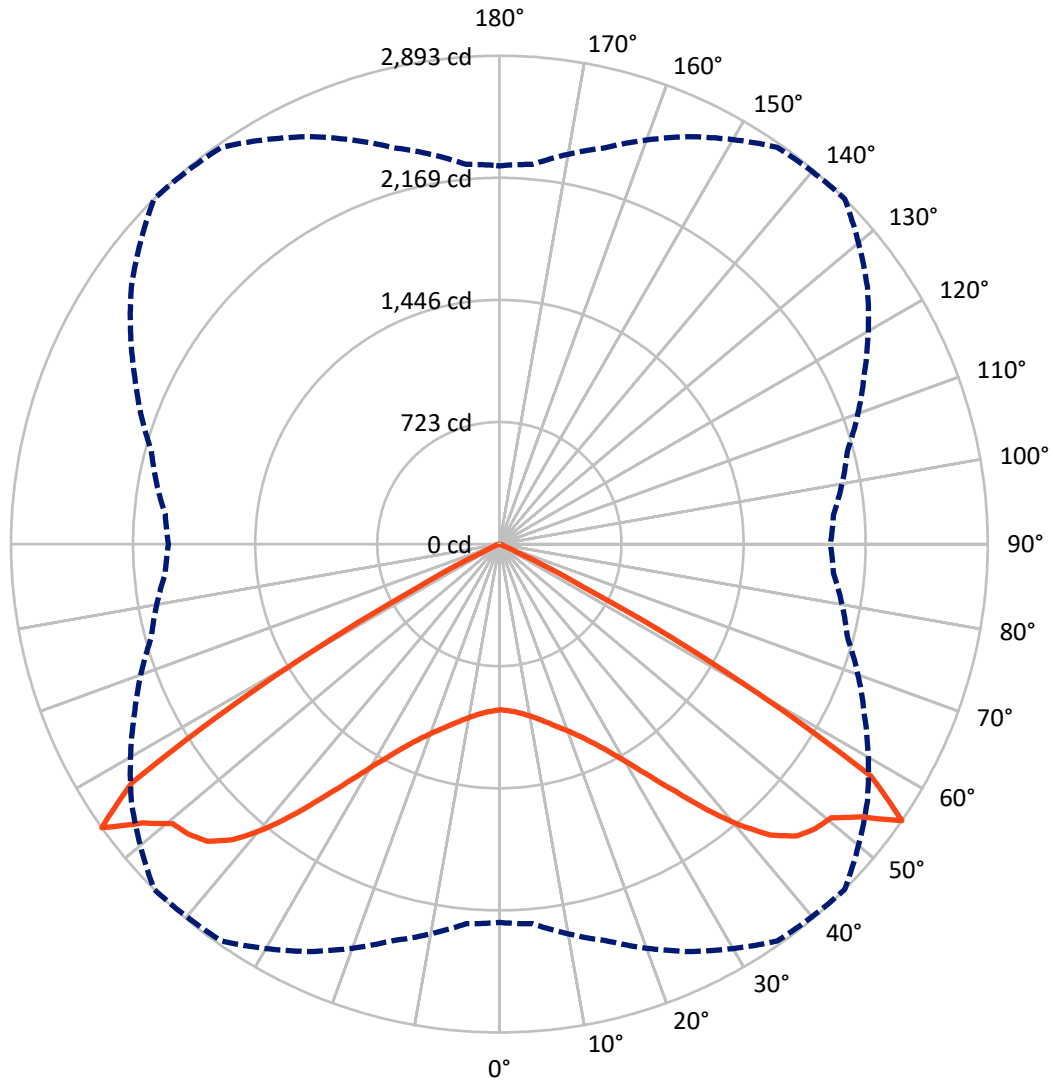
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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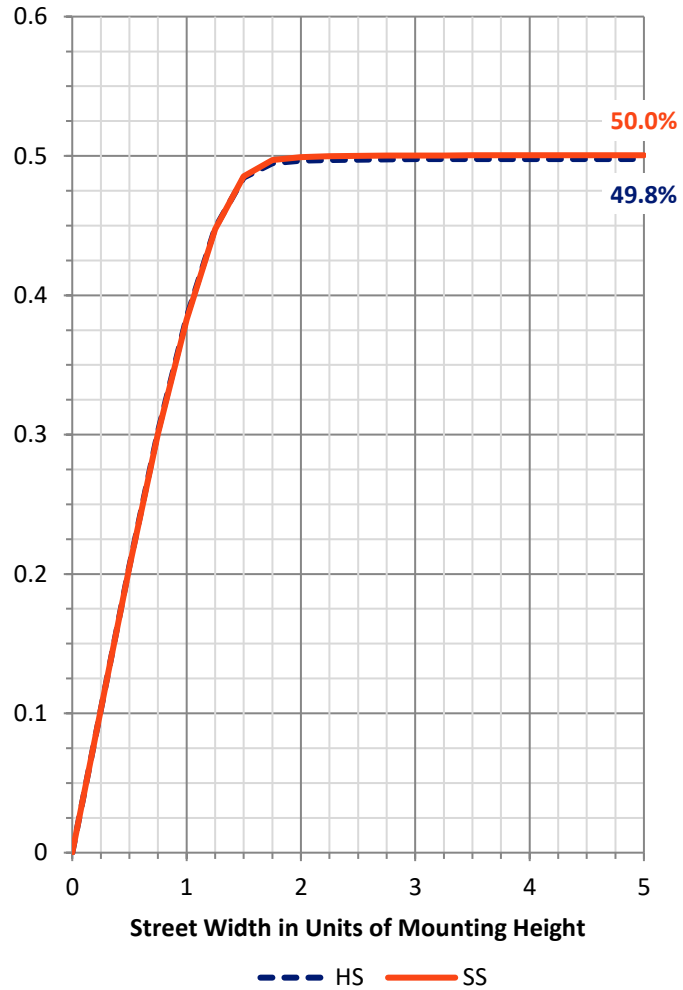
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3032.1	0.0	3032.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3032.1	0.0	3032.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6064.3	0.0	6064.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	1.6
10°-20°	311.4	5.1
20°-30°	603.1	9.9
30°-40°	1080.4	17.8
40°-50°	1811.4	29.9
50°-60°	1939.0	32.0
60°-70°	213.1	3.5
70°-80°	9.4	0.2
80°-90°	0.4	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°	6064.3	100.0
0°-180°	6064.3	100.0

Coefficient of Utilization



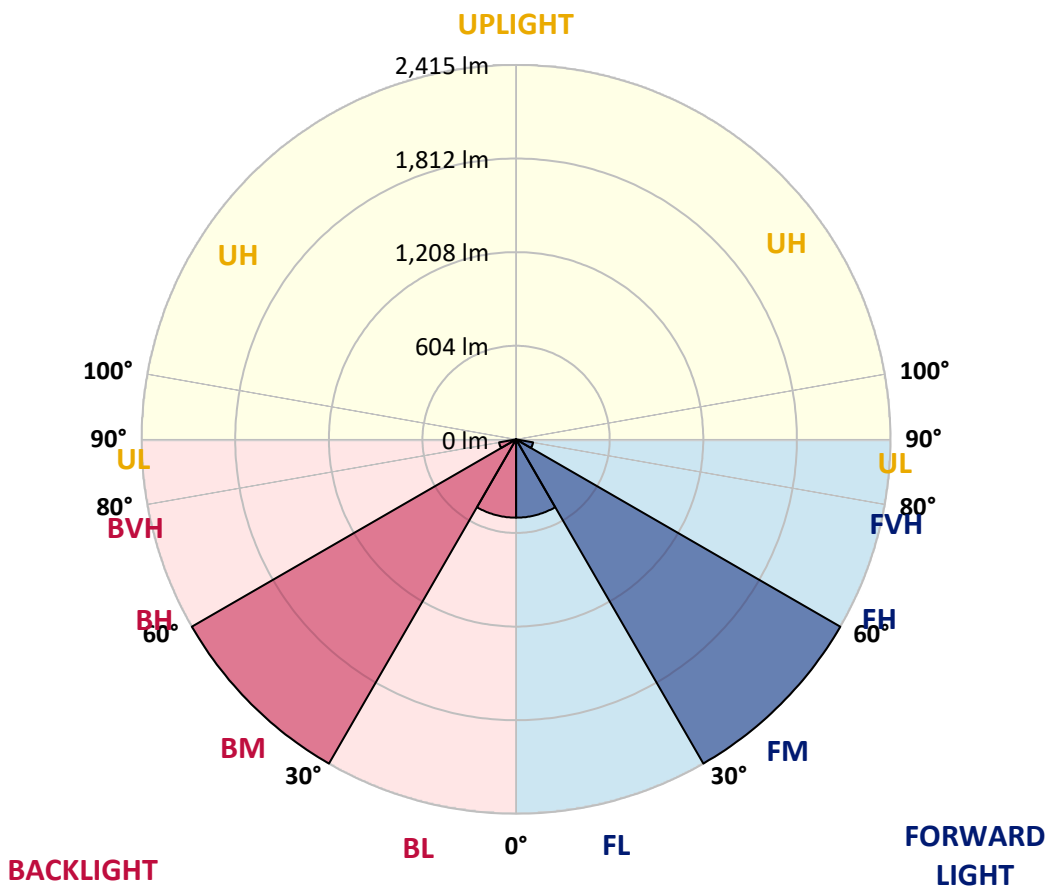
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	505.3	8.3			
FM (30°-60°)	2415.4	39.8			
FH (60°-80°)	111.2	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	505.3	8.3	B2/1000		
BM (30°-60°)	2415.4	39.8	B2/2500		
BH (60°-80°)	111.2	1.8	B1/500		G0/660
BVH (80°-90°)	0.2	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°	980.5	980.5	980.5	980.5	980.5	980.5	980.5	980.5	980.5	980.5	980.5
2.5°	978.6	978.6	981.1	983.0	983.0	987.9	986.0	984.2	984.2	981.7	986.7
5°	992.8	992.2	994.7	995.9	993.5	998.4	995.3	993.5	992.2	989.7	994.7
7.5°	1008.3	1008.9	1009.5	1012.0	1010.8	1015.7	1013.2	1009.5	1008.3	1004.6	1009.5
10°	1026.8	1026.8	1028.1	1031.1	1031.8	1037.9	1035.5	1031.1	1027.4	1023.7	1028.7
12.5°	1050.3	1050.9	1052.8	1057.1	1059.6	1066.4	1062.7	1054.0	1048.4	1044.1	1049.7
15°	1084.3	1083.7	1086.1	1092.3	1095.4	1100.3	1094.8	1083.0	1076.2	1071.3	1075.0
17.5°	1121.3	1121.3	1122.6	1128.8	1133.1	1140.5	1133.7	1119.5	1113.3	1106.5	1110.2
20°	1162.1	1164.0	1165.2	1169.5	1176.9	1184.4	1178.8	1164.6	1157.8	1149.1	1153.5
22.5°	1215.9	1214.0	1214.6	1222.0	1232.6	1240.0	1235.6	1219.0	1207.2	1200.4	1202.9
25°	1275.8	1275.2	1277.0	1288.2	1299.9	1307.9	1301.7	1280.1	1268.4	1256.6	1261.6
27.5°	1349.3	1349.9	1351.2	1364.8	1383.3	1395.0	1379.6	1358.0	1341.9	1326.5	1330.2
30°	1436.4	1435.2	1438.9	1457.4	1484.6	1503.2	1485.2	1455.0	1432.1	1417.3	1419.1
32.5°	1529.1	1530.3	1540.2	1569.9	1605.7	1638.5	1602.0	1561.8	1532.2	1504.4	1508.1
35°	1629.2	1632.3	1654.5	1698.4	1757.1	1800.9	1750.3	1684.2	1642.2	1606.3	1607.6
37.5°	1747.2	1754.6	1785.5	1851.0	1935.0	1993.7	1919.6	1831.8	1777.5	1733.0	1729.9
40°	1902.3	1910.9	1952.9	2030.8	2132.7	2186.5	2100.6	2010.4	1943.0	1894.9	1887.4
42.5°	2080.2	2091.3	2137.0	2216.7	2318.7	2355.1	2271.1	2195.1	2134.6	2077.7	2075.3
45°	2281.0	2287.2	2324.2	2385.4	2458.9	2467.6	2404.6	2362.5	2301.4	2248.2	2243.9
47.5°	2469.4	2475.6	2500.9	2532.4	2549.7	2518.9	2507.7	2489.2	2410.1	2344.6	2331.0
50°	2612.8	2617.7	2649.2	2661.6	2613.4	2547.9	2569.5	2530.0	2444.1	2370.6	2349.6
52.5°	2602.9	2615.2	2696.2	2766.6	2736.3	2683.2	2625.1	2539.9	2406.4	2305.7	2279.8
55°	2240.8	2257.5	2431.1	2662.8	2869.8	2892.6	2660.3	2385.4	2134.6	1986.9	1960.3
57.5°	1440.1	1444.5	1656.4	1981.3	2447.8	2594.8	2206.2	1798.5	1486.5	1324.0	1312.9
60°	529.5	520.8	680.8	950.2	1409.9	1565.6	1298.7	909.4	648.7	533.8	524.5
62.5°	127.3	128.5	159.4	239.1	442.4	547.4	432.5	241.6	153.8	129.1	127.9
65°	64.3	63.0	63.6	68.6	94.5	113.1	92.7	65.5	63.0	63.6	63.0
67.5°	41.4	40.8	42.0	42.6	42.0	39.5	38.9	40.2	40.2	40.8	39.5
70°	25.3	24.7	25.9	27.8	26.6	23.5	24.7	25.9	24.7	24.1	24.1
72.5°	13.6	13.6	14.8	16.1	14.8	13.6	13.6	14.2	13.6	13.6	13.6
75°	6.2	6.2	6.8	7.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2
77.5°	1.9	1.9	2.5	2.5	1.9	1.9	1.9	1.9	2.5	2.5	2.5
80°	0.6	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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)