

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: P633839

Luminaire Tested: GWS-SA2F-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633839
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-SA2F-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8732.9 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

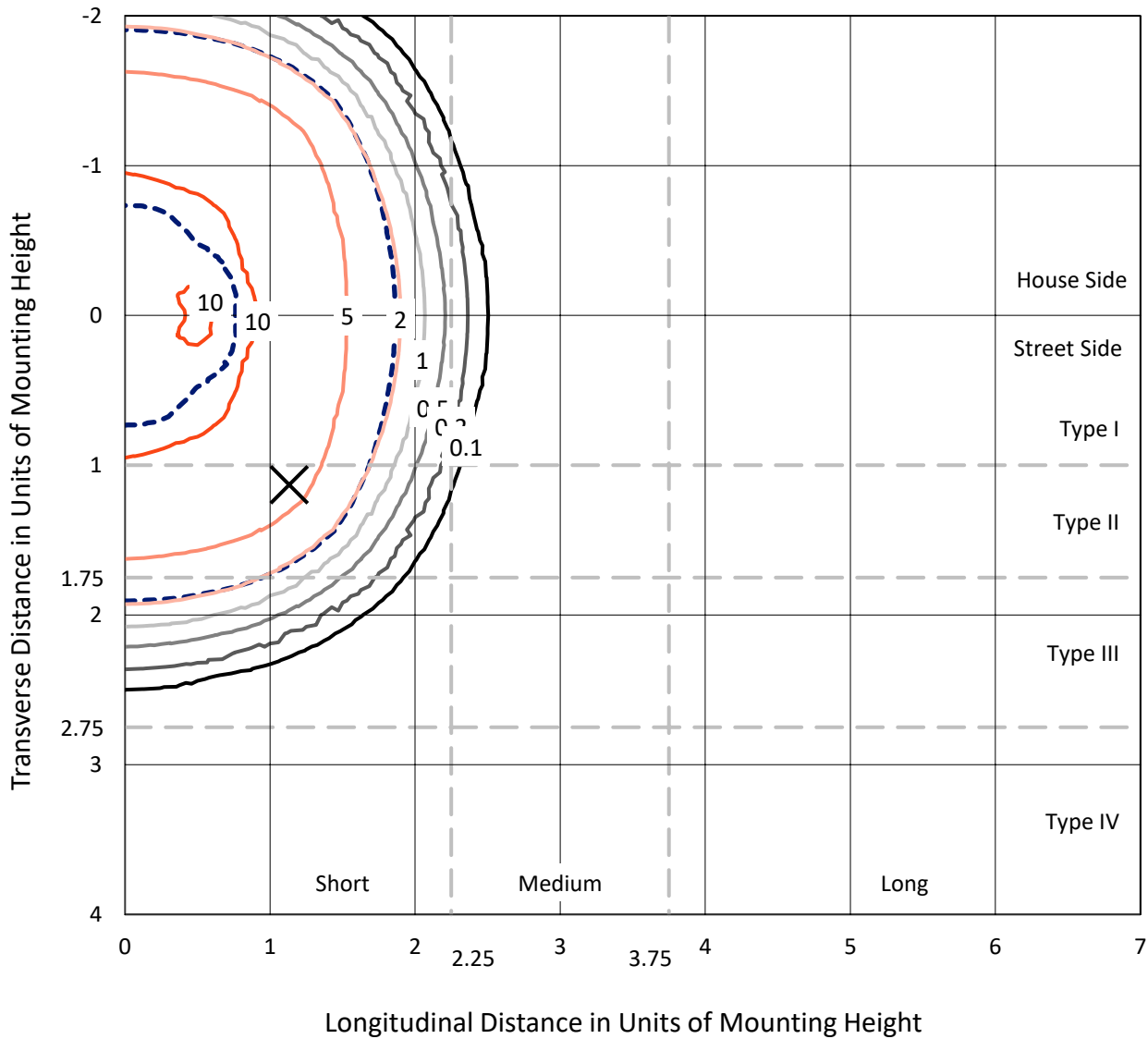
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633839
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Iso-Footcandle Lines of Horizontal Illumination

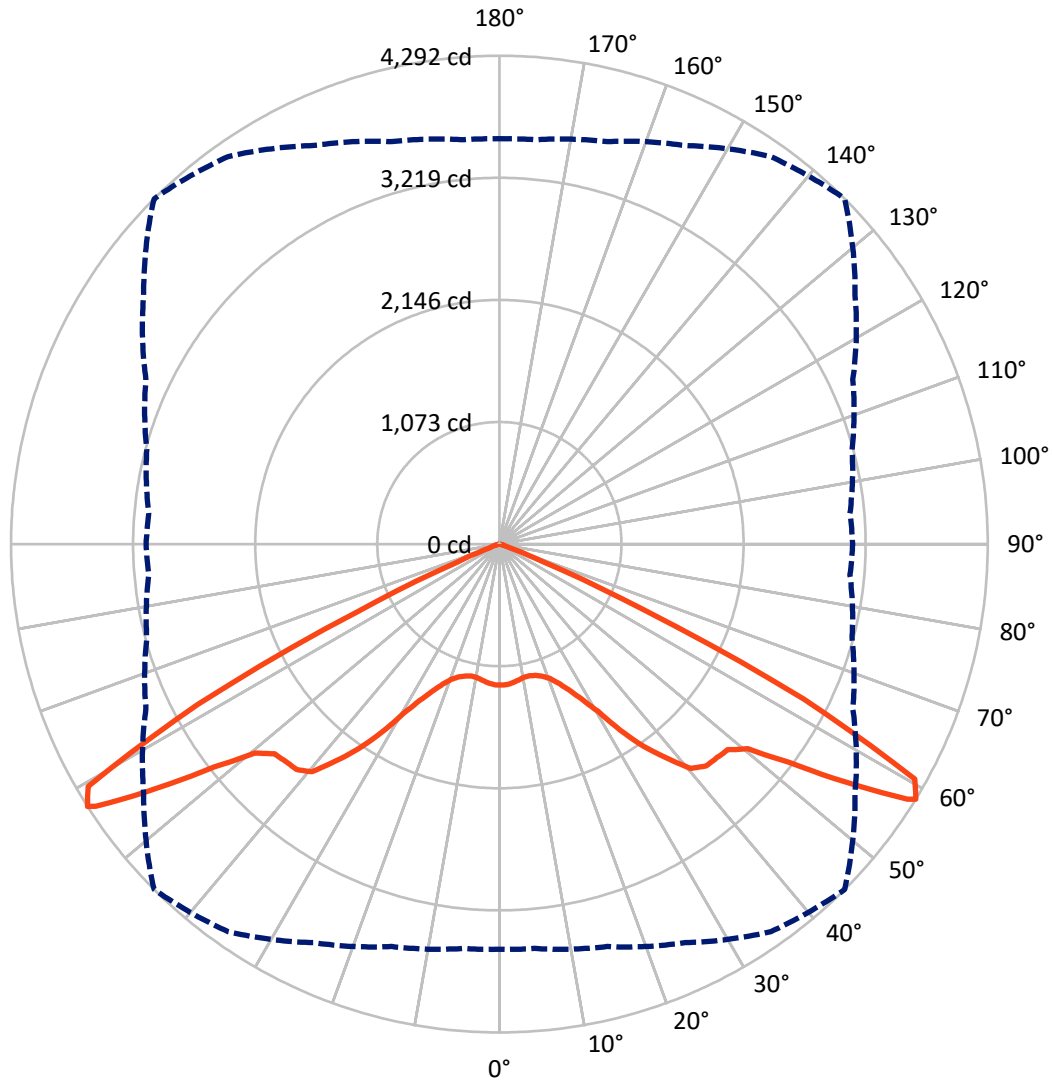
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type V - Short - N/A

REPORT NUMBER: P633839
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Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA2F-750-U-5WQ-W-GRSBK

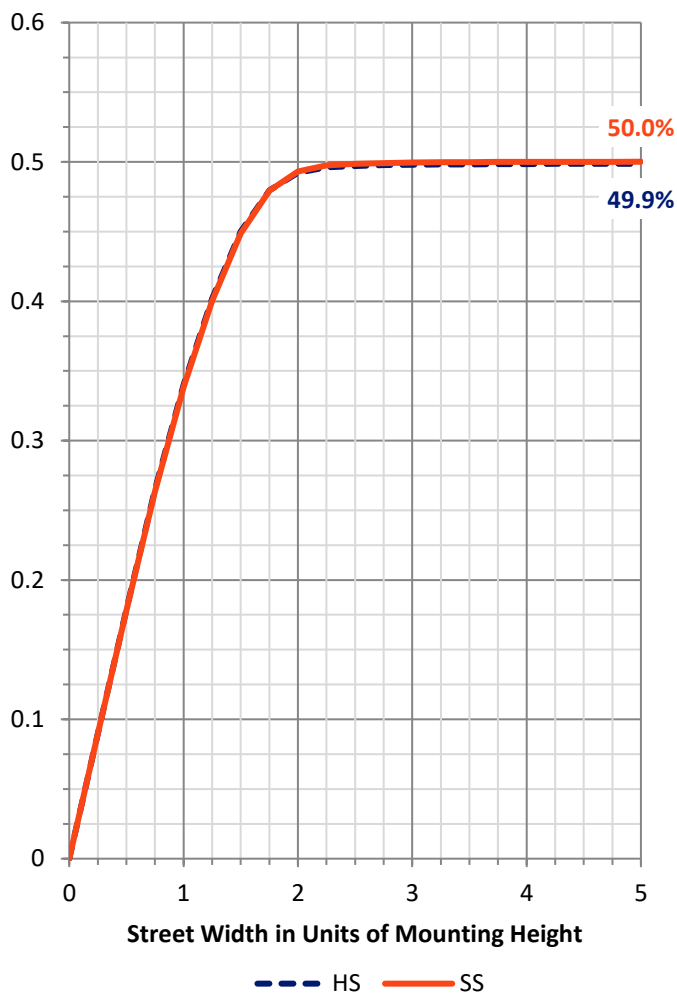
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4366.5	0.0	4366.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4366.5	0.0	4366.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8732.9	0.0	8732.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	1.3
10°-20°	341.9	3.9
20°-30°	646.6	7.4
30°-40°	1275.3	14.6
40°-50°	2018.1	23.1
50°-60°	2966.5	34.0
60°-70°	1324.1	15.2
70°-80°	44.4	0.5
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°	8732.9	100.0
0°-180°	8732.9	100.0

Coefficient of Utilization



REPORT NUMBER: P633839

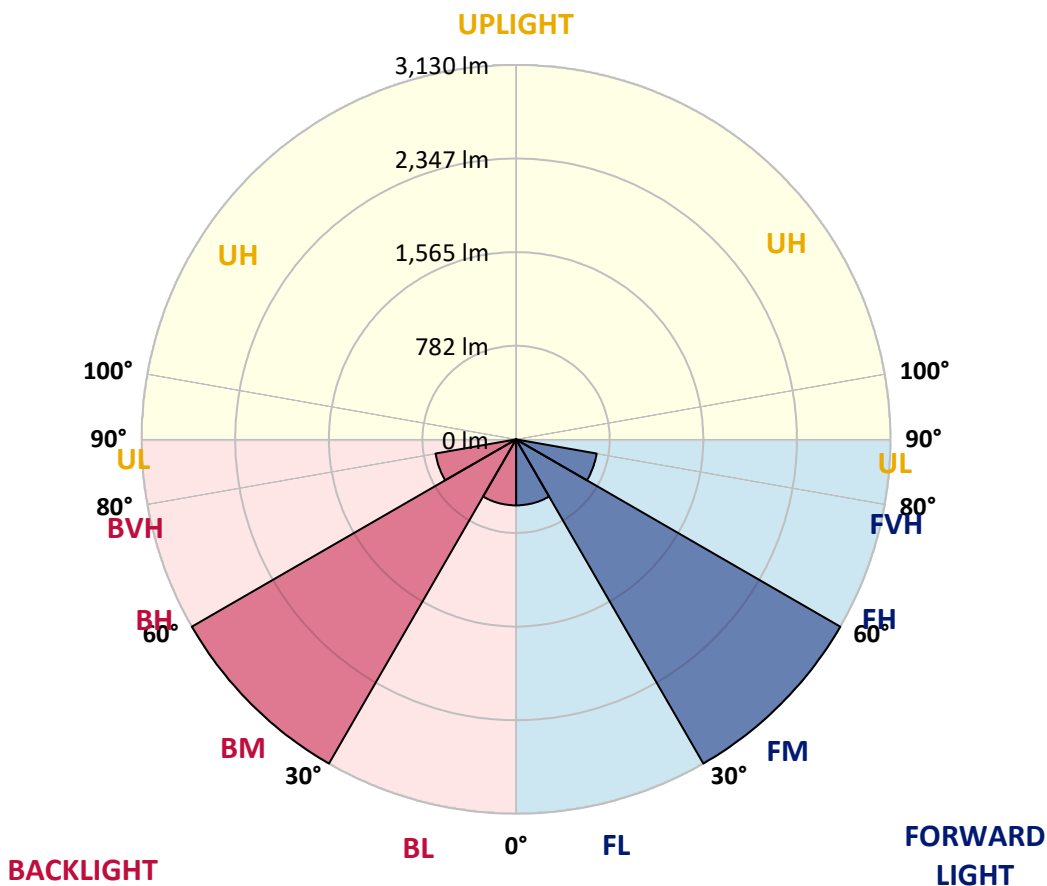
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.0	6.3			
FM (30°-60°)	3130.0	35.8			
FH (60°-80°)	684.2	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	552.0	6.3	B2/1000		
BM (30°-60°)	3130.0	35.8	B3/5000		
BH (60°-80°)	684.2	7.8	B2/1000		G1/1800
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: 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°	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4	1238.4
2.5°	1226.5	1228.9	1231.3	1232.5	1233.7	1237.3	1238.4	1234.9	1234.9	1227.7	1236.1
5°	1220.6	1223.0	1225.4	1224.2	1224.2	1224.2	1223.0	1218.2	1217.0	1209.9	1218.2
7.5°	1209.9	1212.3	1212.3	1208.7	1206.3	1206.3	1205.1	1199.2	1198.0	1190.9	1199.2
10°	1201.6	1202.8	1201.6	1194.4	1189.7	1189.7	1188.5	1186.1	1187.3	1182.5	1189.7
12.5°	1206.3	1207.5	1202.8	1193.2	1187.3	1186.1	1182.5	1179.0	1182.5	1181.3	1188.5
15°	1221.8	1223.0	1214.6	1202.8	1198.0	1198.0	1188.5	1179.0	1183.7	1184.9	1193.2
17.5°	1240.8	1240.8	1230.1	1219.4	1220.6	1220.6	1205.1	1188.5	1189.7	1194.4	1202.8
20°	1263.4	1263.4	1252.7	1250.3	1258.7	1259.9	1240.8	1214.6	1208.7	1212.3	1221.8
22.5°	1303.9	1303.9	1295.5	1301.5	1320.5	1326.5	1297.9	1261.0	1246.8	1249.1	1258.7
25°	1366.9	1366.9	1364.5	1378.8	1406.2	1419.3	1381.2	1332.4	1308.6	1305.1	1315.8
27.5°	1472.8	1474.0	1470.4	1491.8	1526.3	1541.8	1489.5	1425.2	1396.7	1390.7	1401.4
30°	1609.6	1609.6	1610.8	1640.5	1685.8	1706.0	1637.0	1562.0	1528.7	1509.7	1524.0
32.5°	1761.9	1764.3	1776.2	1826.1	1905.8	1947.5	1846.4	1741.7	1688.1	1667.9	1683.4
35°	2012.9	1990.3	1976.0	2012.9	2128.3	2183.0	2053.4	1930.8	1890.4	1888.0	1927.3
37.5°	2261.6	2248.5	2218.7	2256.8	2360.3	2385.3	2242.5	2140.2	2111.7	2127.1	2166.4
40°	2459.0	2435.2	2396.0	2431.7	2567.3	2592.3	2416.2	2315.1	2304.4	2338.9	2392.4
42.5°	2614.9	2581.6	2529.2	2537.6	2647.0	2664.9	2509.0	2432.9	2440.0	2482.8	2543.5
45°	2685.1	2658.9	2612.5	2608.9	2677.9	2679.1	2556.6	2517.3	2536.4	2569.7	2617.3
47.5°	2714.8	2702.9	2676.7	2670.8	2710.1	2700.5	2624.4	2607.7	2625.6	2635.1	2662.5
50°	2788.6	2788.6	2792.1	2796.9	2837.4	2827.8	2774.3	2755.3	2732.7	2699.4	2707.7
52.5°	2995.6	3003.9	3038.4	3076.5	3150.2	3181.2	3094.3	2983.7	2875.4	2802.9	2802.9
55°	3369.1	3377.5	3417.9	3482.2	3617.8	3691.5	3489.3	3245.4	3096.7	2998.0	3011.0
57.5°	3574.9	3584.5	3667.7	3841.4	4104.3	4229.3	3795.0	3433.4	3225.2	3112.2	3121.7
58°	3561.9	3567.8	3661.8	3865.2	4157.9	4292.3	3816.4	3427.4	3208.5	3093.1	3105.0
60°	3164.5	3156.2	3306.1	3596.4	4009.2	4194.8	3603.5	3128.8	2874.2	2756.5	2762.4
62.5°	2068.8	2073.6	2203.3	2506.6	2827.8	3002.7	2517.3	2164.0	1959.4	1888.0	1870.2
65°	863.7	848.2	927.9	1096.9	1289.6	1387.1	1192.0	1008.8	882.7	835.1	848.2
67.5°	222.5	216.5	221.3	277.2	339.1	400.9	336.7	257.0	223.7	226.0	226.0
70°	126.1	119.0	96.4	89.2	86.8	86.8	86.8	86.8	99.9	117.8	121.3
72.5°	95.2	89.2	70.2	60.7	53.5	50.0	52.3	60.7	72.6	88.0	90.4
75°	47.6	47.6	42.8	40.4	35.7	33.3	34.5	38.1	44.0	50.0	48.8
77.5°	9.5	10.7	11.9	14.3	11.9	11.9	11.9	14.3	14.3	15.5	14.3
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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)