

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: P633786

Luminaire Tested: GWS-SA2F-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16446.5 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

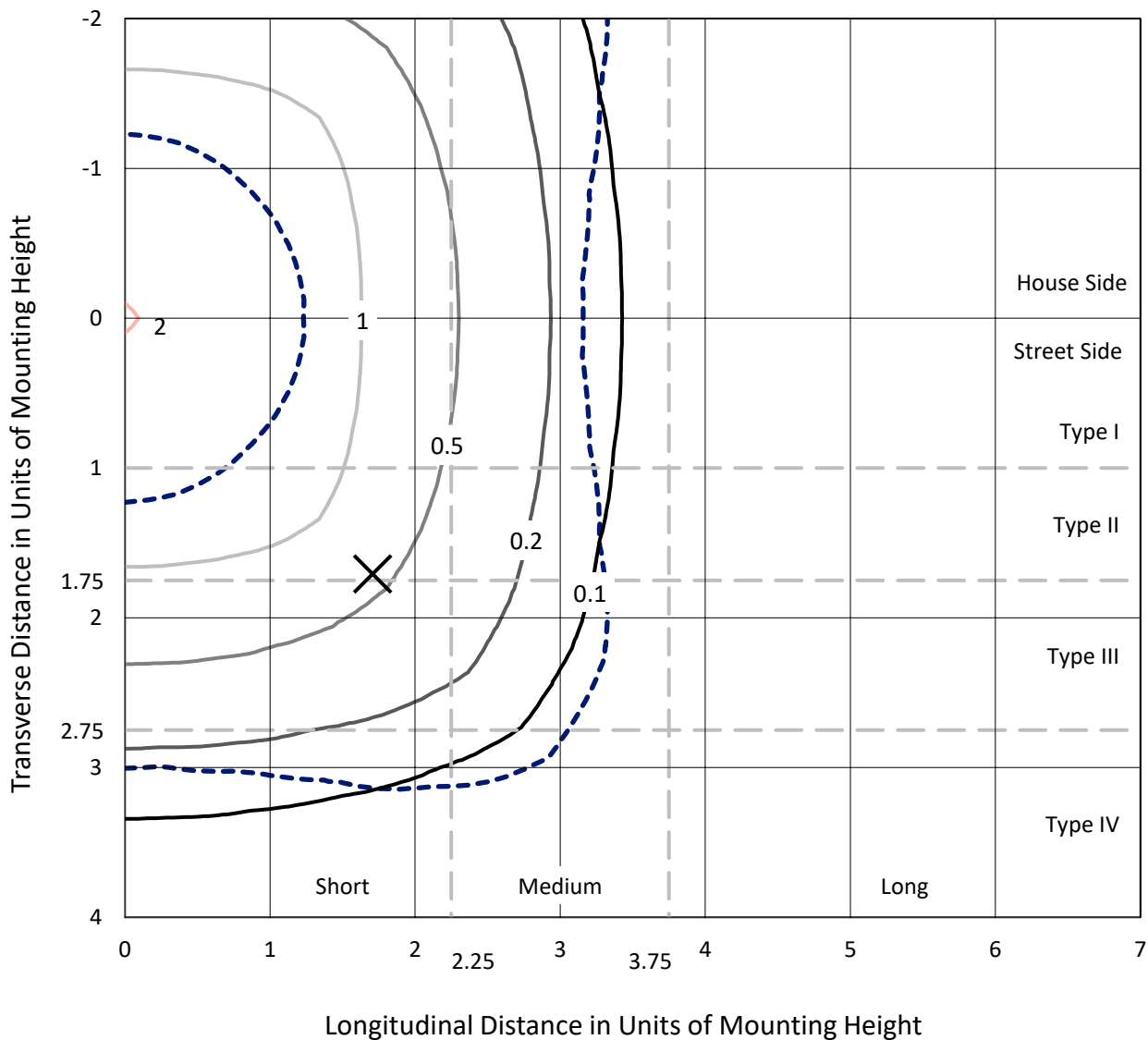
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633786
 CATALOG NUMBER: GWS-SA2F-740-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

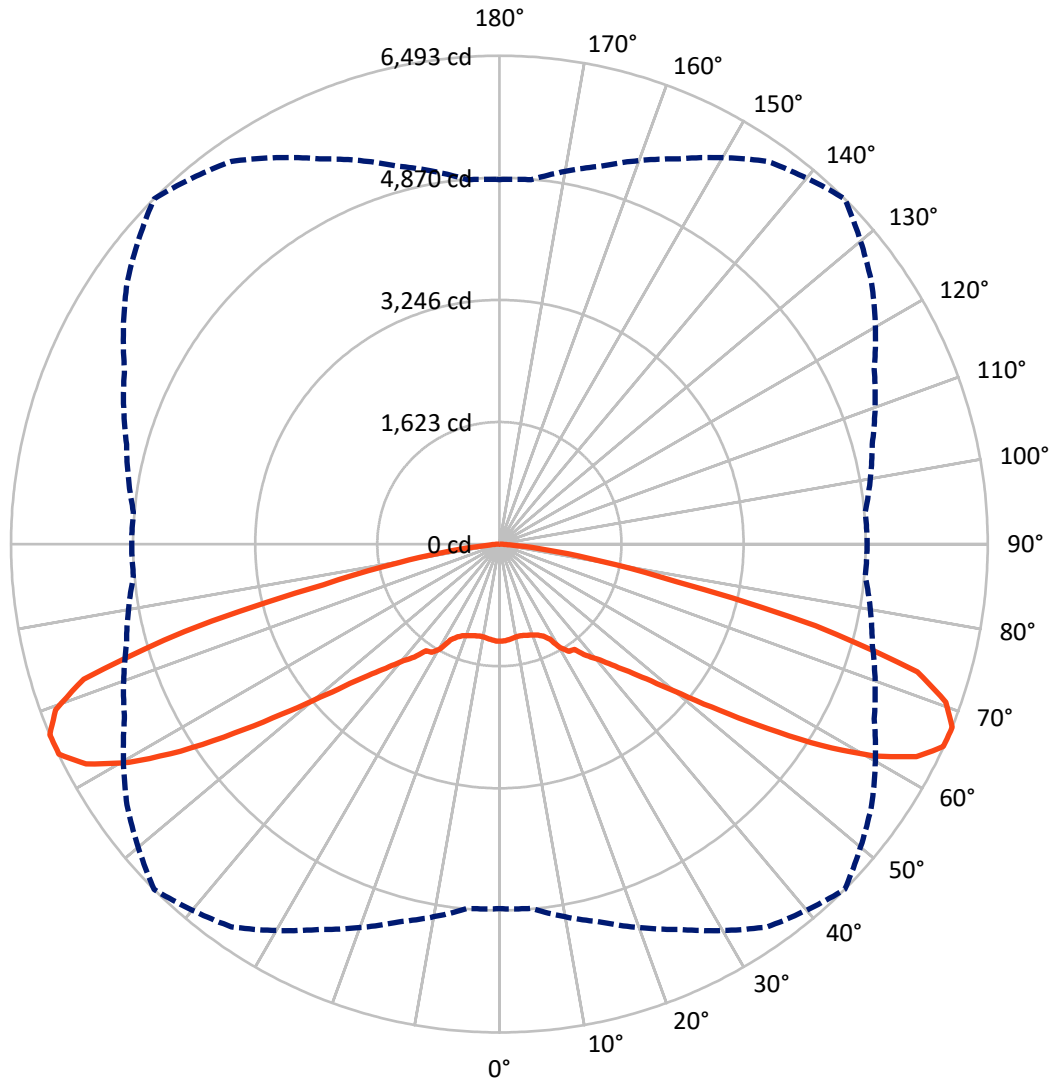
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

REPORT NUMBER: P633786
CATALOG NUMBER: GWS-SA2F-740-U-5WQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P633786

CATALOG NUMBER: GWS-SA2F-740-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8223.2	0.0	8223.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8223.2	0.0	8223.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	16446.5	0.0	16446.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	0.7
10°-20°	359.4	2.2
20°-30°	644.6	3.9
30°-40°	1089.0	6.6
40°-50°	1913.4	11.6
50°-60°	3690.9	22.4
60°-70°	5355.1	32.6
70°-80°	3063.9	18.6
80°-90°	209.1	1.3
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°	16446.5	100.0
0°-180°	16446.5	100.0

Coefficient of Utilization



REPORT NUMBER: P633786

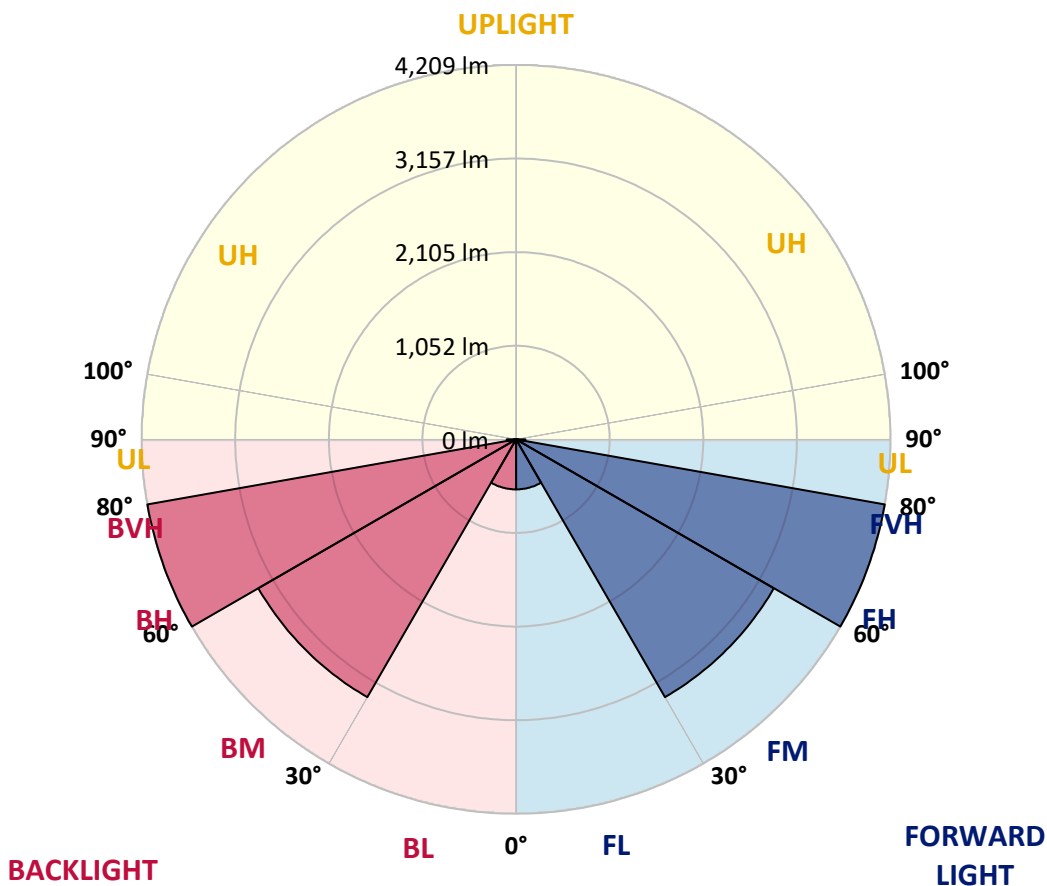
CATALOG NUMBER: GWS-SA2F-740-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	562.6	3.4			
FM (30°-60°)	3346.6	20.3			
FH (60°-80°)	4209.5	25.6			G2/5000
FVH (80°-90°)	104.6	0.6			G2/225
BL (0°-30°)	562.6	3.4	B2/1000		
BM (30°-60°)	3346.6	20.3	B3/5000		
BH (60°-80°)	4209.5	25.6	B4/5000		G2/5000
BVH (80°-90°)	104.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P633786
 CATALOG NUMBER: GWS-SA2F-740-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7	1289.7
2.5°	1279.3	1280.4	1282.8	1282.8	1285.1	1288.6	1289.7	1287.4	1288.6	1282.8	1288.6
5°	1275.8	1276.9	1278.1	1275.8	1275.8	1276.9	1276.9	1274.6	1275.8	1270.0	1275.8
7.5°	1267.6	1268.8	1268.8	1265.3	1261.8	1264.2	1264.2	1261.8	1263.0	1257.2	1264.2
10°	1260.7	1260.7	1259.5	1252.5	1249.0	1252.5	1253.7	1254.9	1259.5	1254.9	1263.0
12.5°	1265.3	1265.3	1261.8	1252.5	1246.7	1249.0	1251.4	1253.7	1261.8	1260.7	1270.0
15°	1278.1	1279.3	1270.0	1259.5	1256.0	1259.5	1257.2	1256.0	1266.5	1270.0	1280.4
17.5°	1288.6	1288.6	1276.9	1266.5	1267.6	1273.5	1268.8	1263.0	1273.5	1280.4	1292.1
20°	1297.9	1296.7	1283.9	1276.9	1281.6	1289.7	1286.3	1278.1	1285.1	1293.2	1303.7
22.5°	1321.1	1320.0	1306.0	1302.5	1307.2	1315.3	1311.8	1304.9	1313.0	1324.6	1337.4
25°	1387.4	1385.1	1364.2	1352.5	1350.2	1356.0	1354.9	1352.5	1365.3	1379.3	1394.4
27.5°	1475.8	1474.7	1459.5	1447.9	1432.8	1428.1	1431.6	1442.1	1460.7	1471.2	1484.0
30°	1520.0	1520.0	1517.7	1536.3	1568.9	1600.3	1575.8	1536.3	1520.0	1515.4	1528.2
32.5°	1578.2	1584.0	1575.8	1596.8	1651.4	1697.9	1651.4	1587.5	1575.8	1575.8	1589.8
35°	1711.9	1714.2	1701.4	1697.9	1715.4	1721.2	1699.1	1675.8	1688.6	1691.0	1708.4
37.5°	1818.9	1818.9	1813.1	1822.4	1858.4	1880.5	1844.5	1802.6	1806.1	1808.4	1830.5
40°	1984.0	1988.7	1974.7	1973.6	1987.5	2007.3	1968.9	1942.2	1960.8	1966.6	2000.3
42.5°	2189.9	2189.9	2169.0	2163.1	2172.4	2193.4	2157.3	2139.9	2164.3	2169.0	2188.7
45°	2435.3	2441.1	2413.2	2402.7	2407.4	2414.3	2388.8	2380.6	2403.9	2414.3	2449.2
47.5°	2734.2	2740.0	2715.6	2714.4	2709.7	2714.4	2690.0	2685.3	2703.9	2695.8	2733.0
50°	3102.8	3113.3	3092.4	3121.4	3117.9	3131.9	3098.2	3073.7	3073.7	3051.7	3072.6
52.5°	3515.7	3536.6	3547.1	3595.9	3633.1	3668.0	3612.2	3573.8	3518.0	3472.6	3529.6
55°	3965.8	3959.9	4026.2	4133.2	4242.5	4325.1	4215.8	4094.8	4004.1	3909.9	3932.0
57.5°	4360.0	4379.8	4467.0	4662.4	4878.7	5053.1	4856.6	4624.0	4418.1	4283.2	4301.9
60°	4688.0	4704.2	4820.5	5102.0	5479.9	5720.7	5409.0	5025.2	4726.3	4540.3	4560.0
62.5°	4990.3	5005.5	5122.9	5433.4	5910.2	6224.3	5821.9	5297.4	4964.7	4777.5	4789.1
65°	5164.8	5174.1	5334.6	5661.4	6163.8	6488.2	6034.7	5493.9	5167.1	4976.4	4983.4
67.5°	4847.3	4862.4	5200.8	5652.1	6212.6	6492.9	6044.0	5499.7	5132.2	4883.3	4889.2
70°	3823.9	3811.1	4214.6	4990.3	5932.3	6297.5	5775.3	5086.9	4519.3	4171.6	4165.8
72.5°	2915.6	2919.1	3143.5	3675.0	4836.8	5811.4	5096.2	4096.0	3484.3	3220.3	3209.8
75°	2114.3	2146.9	2329.4	2719.0	3383.1	4343.7	3836.7	3035.4	2626.0	2467.8	2444.6
77.5°	952.5	994.3	1249.0	1707.2	2262.0	2400.4	2409.7	2060.8	1554.9	1292.1	1251.4
80°	278.0	297.7	382.6	654.8	1053.7	1361.8	1081.6	909.4	566.4	444.3	423.3
82.5°	117.5	133.7	164.0	181.4	305.9	631.5	393.1	250.0	232.6	188.4	172.1
85°	50.0	53.5	68.6	73.3	98.9	134.9	124.4	112.8	108.2	83.7	76.8
87.5°	20.9	20.9	20.9	18.6	17.4	18.6	25.6	32.6	43.0	33.7	31.4
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)