

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: P633913

Luminaire Tested: GWS-SA2F-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15718.7 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

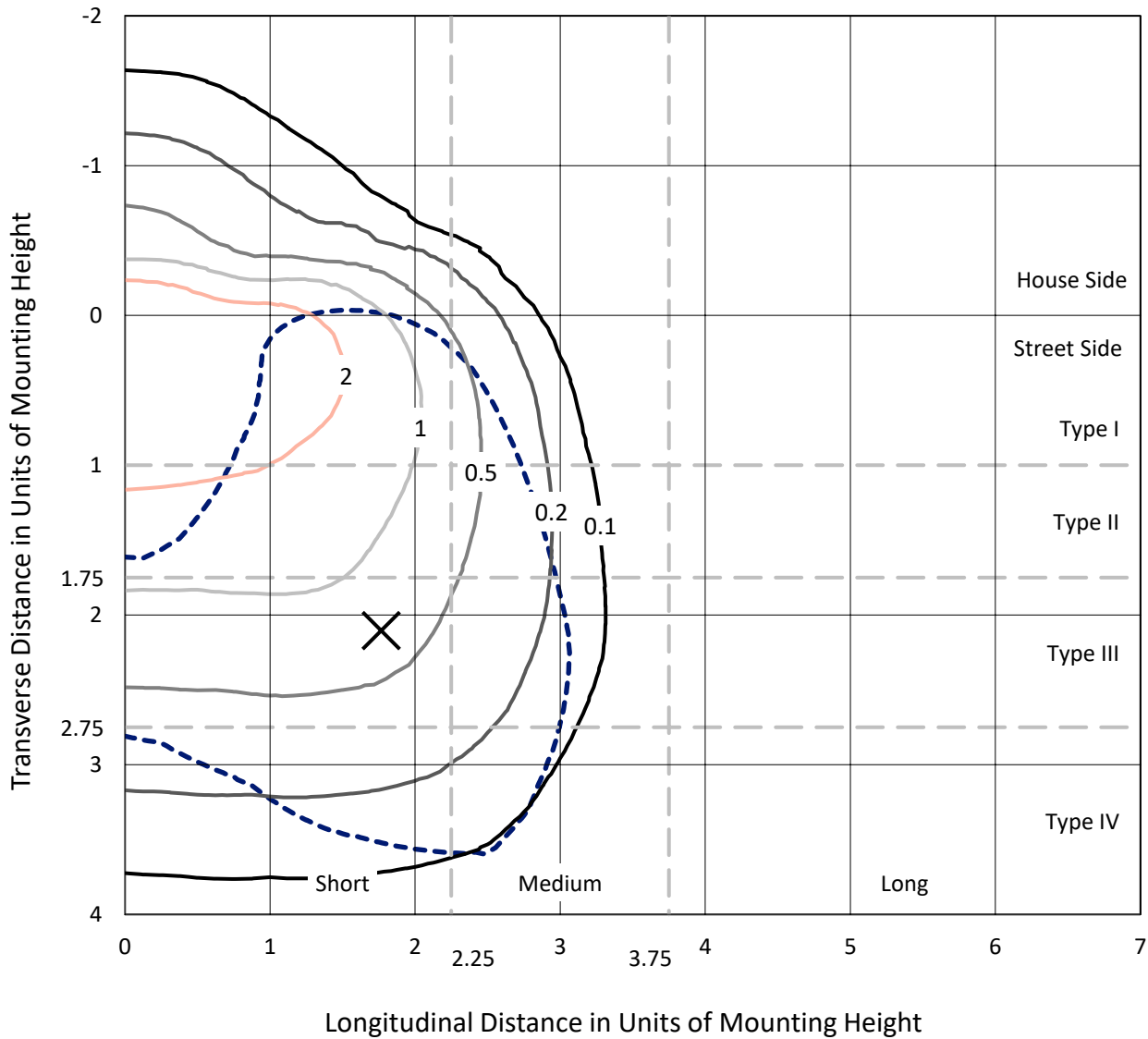
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA2F-760-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

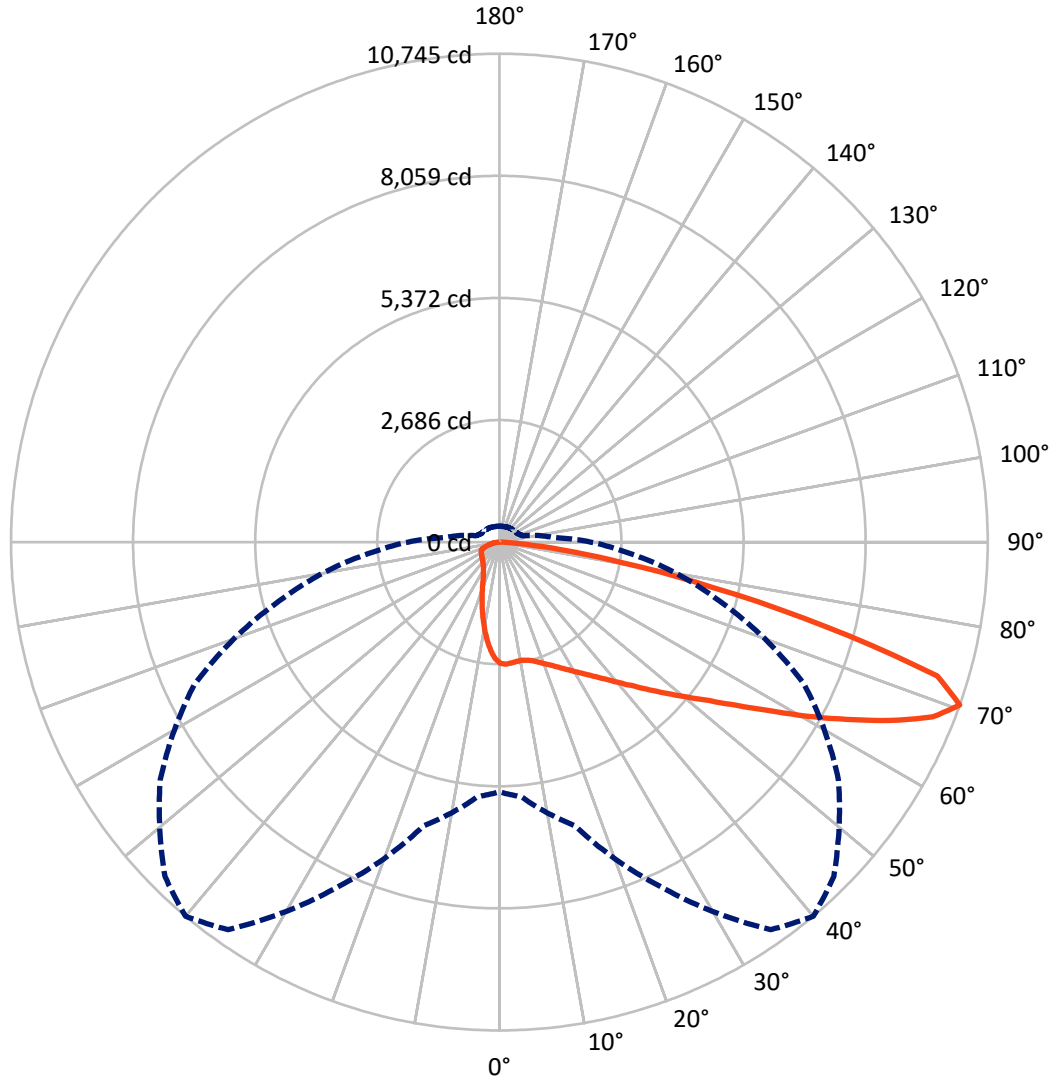
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GWS-SA2F-760-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2421.1	0.0	2421.1
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	13297.6	0.0	13297.6
	% Fixture	84.6	0.0	84.6
Total	Lumens	15718.7	0.0	15718.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.8	1.5
10°-20°	614.6	3.9
20°-30°	965.1	6.1
30°-40°	1451.0	9.2
40°-50°	2239.7	14.2
50°-60°	3326.2	21.2
60°-70°	4192.6	26.7
70°-80°	2424.5	15.4
80°-90°	269.1	1.7
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°	15718.7	100.0
0°-180°	15718.7	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2
2.5°	2685.6	2690.3	2693.9	2698.5	2696.2	2689.2	2695.0	2695.0	2682.1	2668.0	2655.1
5°	2689.2	2695.0	2693.9	2692.7	2683.3	2671.6	2671.6	2664.5	2642.2	2619.9	2598.8
7.5°	2682.1	2680.9	2679.8	2676.3	2665.7	2652.8	2650.4	2636.4	2607.0	2576.5	2546.0
10°	2650.4	2649.3	2652.8	2661.0	2658.7	2646.9	2646.9	2634.0	2600.0	2562.4	2522.6
12.5°	2624.6	2624.6	2638.7	2661.0	2669.2	2664.5	2665.7	2656.3	2617.6	2573.0	2526.1
15°	2628.2	2629.3	2659.8	2696.2	2711.5	2707.9	2709.1	2698.5	2655.1	2610.6	2547.2
17.5°	2651.6	2657.5	2710.3	2760.7	2780.7	2776.0	2767.8	2750.2	2700.9	2650.4	2573.0
20°	2700.9	2710.3	2778.3	2841.7	2865.2	2854.6	2840.5	2805.3	2751.3	2696.2	2601.2
22.5°	2798.3	2804.1	2879.2	2941.4	2960.2	2947.3	2919.1	2868.7	2806.5	2749.0	2635.2
25°	2935.6	2942.6	3014.2	3071.7	3067.0	3051.7	3013.0	2950.8	2876.9	2815.9	2684.5
27.5°	3098.6	3110.4	3180.8	3226.5	3196.0	3173.7	3130.3	3055.2	2971.9	2916.8	2759.6
30°	3277.0	3281.7	3341.5	3387.3	3340.3	3309.8	3257.0	3176.1	3101.0	3059.9	2872.2
32.5°	3449.4	3454.1	3505.8	3531.6	3482.3	3460.0	3414.2	3328.6	3275.8	3253.5	3040.0
35°	3631.3	3630.1	3672.4	3694.7	3644.2	3634.8	3587.9	3522.2	3512.8	3542.1	3285.2
37.5°	3813.2	3802.6	3824.9	3854.2	3826.1	3835.5	3805.0	3782.7	3819.0	3895.3	3611.4
40°	3958.7	3958.7	3982.1	4018.5	4027.9	4068.9	4051.3	4080.7	4198.0	4379.9	4015.0
42.5°	4087.7	4088.9	4138.2	4194.5	4262.5	4325.9	4340.0	4416.2	4659.1	4944.2	4521.8
45°	4222.6	4223.8	4290.7	4372.8	4517.1	4638.0	4666.1	4837.4	5184.7	5532.0	5072.1
47.5°	4378.7	4365.8	4458.5	4595.7	4801.1	4974.7	5047.5	5290.3	5729.1	6156.2	5590.7
50°	4554.7	4527.7	4630.9	4867.9	5121.4	5359.6	5481.6	5759.6	6313.4	6732.3	6078.8
52.5°	4753.0	4737.7	4845.7	5134.3	5521.5	5796.0	5961.4	6326.3	6881.3	7306.0	6466.0
55°	4999.4	4963.0	5119.0	5486.3	5990.8	6340.4	6536.4	6887.2	7502.0	7827.0	6761.6
57.5°	5269.2	5229.3	5438.2	5926.2	6600.9	6984.5	7229.8	7518.4	8086.3	8225.9	6935.3
60°	5560.2	5547.3	5794.8	6442.5	7328.3	7774.2	7951.3	8213.0	8594.3	8457.0	6891.9
62.5°	5826.5	5821.8	6182.0	7002.1	8099.2	8589.6	8730.4	8799.6	8960.4	8441.8	6546.9
65°	6106.9	6146.8	6633.7	7651.0	8982.6	9463.7	9522.4	9346.4	9083.5	8041.7	5840.6
67.5°	6142.1	6219.6	6917.7	8258.7	9820.4	10274.4	10227.5	9554.0	8719.8	6928.2	4578.1
70°	5493.3	5628.2	6464.8	8351.4	10410.5	10744.9	10405.8	9107.0	7399.9	5019.3	2879.2
72.5°	4589.9	4706.0	5445.2	7121.8	9649.1	10075.0	9616.2	7708.5	5229.3	2879.2	1466.6
75°	3572.6	3707.6	4389.2	5661.1	7223.9	7394.0	7164.1	5376.0	2874.5	1187.4	666.4
77.5°	2180.0	2277.3	2807.7	3835.5	5054.5	4799.9	4067.8	3014.2	1261.3	569.0	411.8
80°	964.4	1024.3	1383.3	2060.3	2920.3	2760.7	2176.4	1287.1	689.9	361.4	287.5
82.5°	517.4	556.1	681.7	815.4	1282.4	1341.1	1087.6	741.5	370.8	206.5	164.3
85°	227.6	249.9	309.7	295.7	421.2	414.2	417.7	509.2	177.2	95.0	106.8
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	12.9	68.1	17.6	28.2	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633913
 CATALOG NUMBER: GWS-SA2F-760-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2	2669.2
2.5°	2641.1	2619.9	2614.1	2607.0	2594.1	2571.8	2555.4	2536.6	2528.4	2519.0	2520.2
5°	2575.4	2549.5	2524.9	2493.2	2453.3	2408.7	2378.2	2343.0	2324.3	2306.7	2311.4
7.5°	2519.0	2479.1	2428.7	2361.8	2290.2	2210.5	2145.9	2095.5	2061.5	2038.0	2049.7
10°	2483.8	2436.9	2348.9	2239.8	2118.9	1996.9	1904.2	1817.4	1763.4	1721.2	1718.9
12.5°	2476.8	2415.8	2287.9	2129.5	1954.7	1791.6	1655.5	1538.2	1466.6	1413.8	1433.8
15°	2483.8	2406.4	2235.1	2027.4	1806.9	1586.3	1417.3	1282.4	1196.7	1148.6	1145.1
17.5°	2492.0	2397.0	2175.3	1917.1	1652.0	1399.7	1203.8	1060.6	972.7	924.5	925.7
20°	2499.1	2382.9	2104.9	1796.3	1494.8	1226.1	1023.1	887.0	808.4	773.2	779.1
22.5°	2510.8	2368.9	2029.8	1667.2	1334.0	1058.3	880.0	769.7	722.7	699.3	700.4
25°	2533.1	2360.6	1952.3	1526.4	1175.6	924.5	781.4	707.5	678.2	664.1	662.9
27.5°	2578.9	2367.7	1871.4	1390.3	1032.5	822.5	718.0	669.9	650.0	640.6	639.4
30°	2655.1	2395.8	1801.0	1251.9	909.3	742.7	674.6	645.3	633.6	625.4	624.2
32.5°	2771.3	2448.6	1724.7	1122.8	809.6	684.0	640.6	625.4	617.1	612.5	612.5
35°	2947.3	2544.8	1649.6	1010.2	732.1	638.3	613.6	607.8	600.7	598.4	600.7
37.5°	3200.7	2698.5	1581.6	911.6	677.0	603.1	584.3	586.6	580.8	584.3	587.8
40°	3522.2	2903.9	1524.1	830.7	635.9	577.3	558.5	566.7	563.2	566.7	572.6
42.5°	3929.3	3158.5	1480.7	767.3	606.6	556.1	538.5	546.7	544.4	549.1	555.0
45°	4383.4	3494.0	1460.7	722.7	585.5	540.9	522.1	528.0	525.6	529.1	535.0
47.5°	4818.7	3799.1	1478.3	696.9	567.9	528.0	508.0	510.4	509.2	508.0	511.6
50°	5194.1	4042.0	1528.8	688.7	556.1	515.1	496.3	497.5	494.0	486.9	489.3
52.5°	5500.3	4236.7	1559.3	688.7	550.3	501.0	483.4	484.6	477.5	468.1	469.3
55°	5702.1	4315.3	1534.7	687.5	547.9	489.3	470.5	471.7	464.6	452.9	454.1
57.5°	5759.6	4239.1	1431.4	674.6	545.6	479.9	457.6	459.9	455.2	442.3	442.3
60°	5598.9	3959.8	1242.5	645.3	539.7	474.0	448.2	451.7	449.4	436.5	436.5
62.5°	5177.7	3463.5	1017.2	600.7	523.3	467.0	440.0	447.0	452.9	445.8	444.7
65°	4389.2	2774.8	827.2	551.4	502.2	455.2	428.2	445.8	458.8	468.1	468.1
67.5°	3293.4	1986.4	674.6	499.8	470.5	431.8	413.0	429.4	438.8	444.7	448.2
70°	2007.5	1168.6	531.5	440.0	424.7	396.6	382.5	366.1	353.2	350.8	352.0
72.5°	982.0	668.8	431.8	374.3	362.5	336.7	305.1	298.0	292.1	288.6	287.5
75°	540.9	465.8	356.7	310.9	289.8	258.1	251.1	239.3	237.0	232.3	233.5
77.5°	382.5	367.2	294.5	252.3	220.6	204.2	207.7	199.5	199.5	195.9	194.8
80°	287.5	288.6	226.4	184.2	163.1	157.2	160.7	160.7	158.4	157.2	156.0
82.5°	181.9	205.3	152.5	118.5	116.2	117.3	116.2	115.0	117.3	113.8	112.6
85°	125.5	147.8	92.7	70.4	70.4	69.2	71.6	70.4	72.7	69.2	69.2
87.5°	28.2	65.7	34.0	21.1	22.3	21.1	22.3	23.5	25.8	27.0	27.0
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)