

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: P633251

Luminaire Tested: GWS-SA2E-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14100.7 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 108.2
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

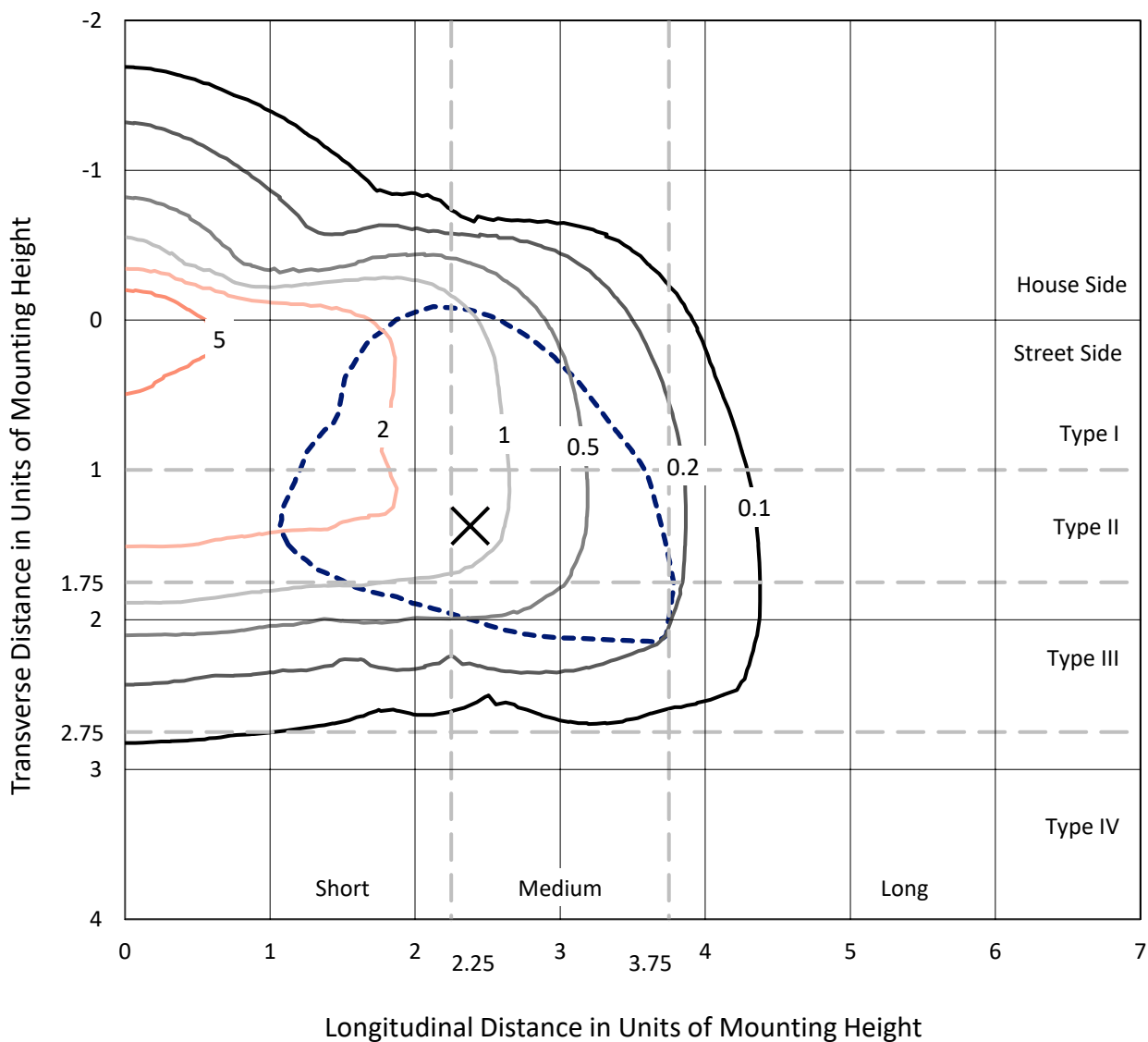


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Iso-Footcandle Lines of Horizontal Illumination

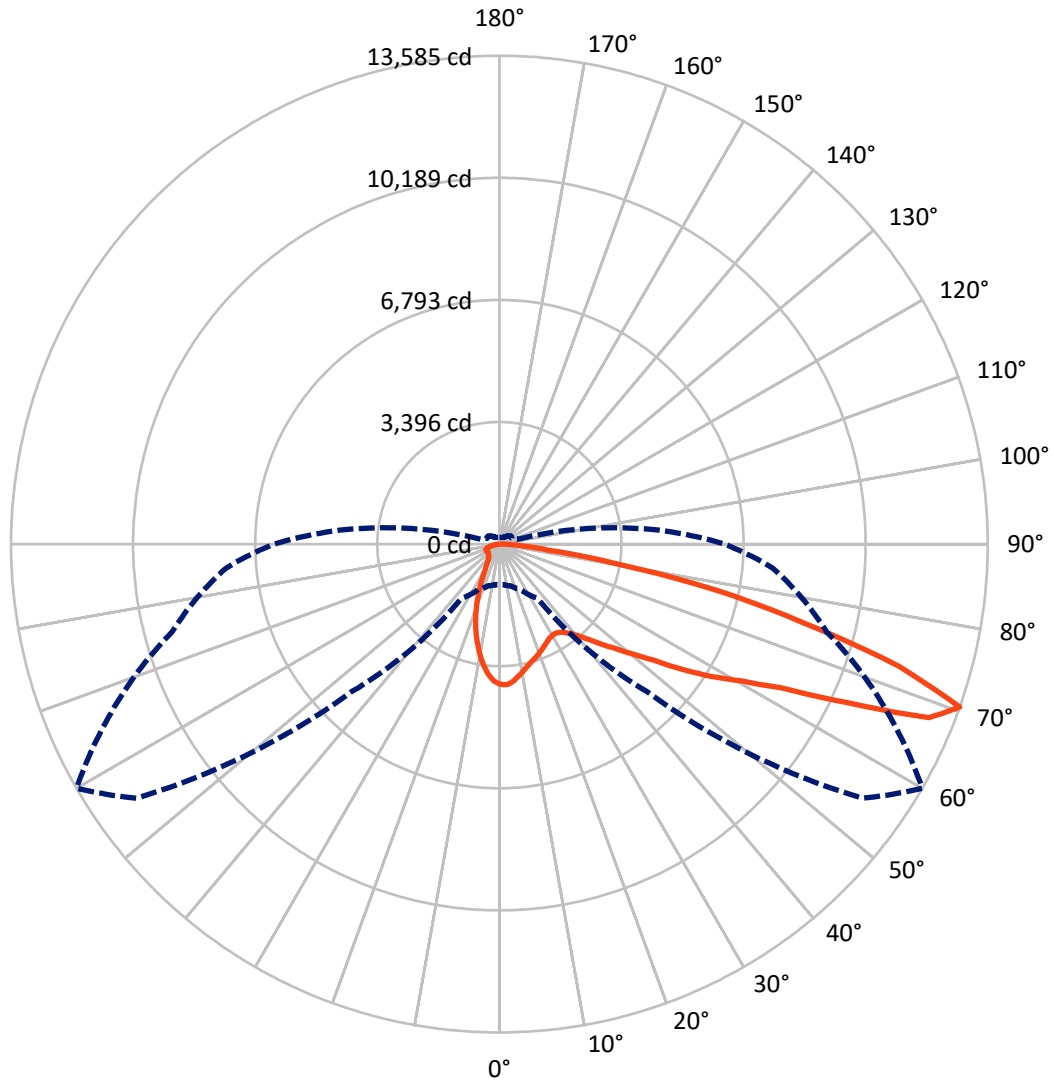
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2411.5	0.0	2411.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	11689.1	0.0	11689.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	14100.7	0.0	14100.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.3	2.4
10°-20°	753.5	5.3
20°-30°	965.0	6.8
30°-40°	1268.2	9.0
40°-50°	1839.9	13.0
50°-60°	2870.7	20.4
60°-70°	3758.3	26.7
70°-80°	2078.2	14.7
80°-90°	230.6	1.6
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°	14100.7	100.0
0°-180°	14100.7	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8
2.5°	3847.2	3851.3	3862.6	3879.1	3895.7	3903.9	3924.5	3918.4	3914.2	3906.0	3895.7
5°	3676.9	3685.2	3695.5	3727.5	3763.6	3792.5	3838.9	3844.1	3846.1	3850.3	3833.8
7.5°	3460.3	3462.3	3487.1	3529.4	3576.9	3626.4	3703.8	3725.4	3744.0	3764.6	3751.2
10°	3220.9	3226.1	3244.7	3305.5	3387.0	3460.3	3564.5	3600.6	3639.8	3685.2	3666.6
12.5°	3024.9	3025.9	3055.9	3120.9	3209.6	3308.6	3438.6	3481.9	3533.5	3604.7	3588.2
15°	2869.1	2869.1	2897.0	2952.7	3054.8	3171.4	3326.2	3381.9	3452.0	3548.0	3519.1
17.5°	2745.3	2746.4	2763.9	2822.7	2913.5	3042.4	3226.1	3301.4	3378.8	3505.7	3462.3
20°	2680.3	2675.2	2678.3	2714.4	2791.7	2916.6	3126.0	3213.7	3317.9	3476.8	3410.8
22.5°	2677.2	2667.9	2654.5	2657.6	2703.0	2806.2	3018.7	3125.0	3256.0	3453.1	3358.1
25°	2729.8	2719.5	2695.8	2669.0	2664.9	2726.8	2917.6	3038.3	3192.0	3442.7	3307.6
27.5°	2818.6	2811.4	2780.4	2740.2	2697.9	2695.8	2841.3	2967.1	3145.6	3453.1	3271.5
30°	2936.2	2923.8	2904.2	2852.6	2788.7	2722.6	2811.4	2929.0	3114.7	3486.1	3256.0
32.5°	3069.3	3062.1	3043.5	2991.9	2923.8	2818.6	2835.1	2937.2	3114.7	3543.9	3259.1
35°	3210.6	3209.6	3209.6	3175.5	3100.2	2969.2	2929.0	3007.4	3162.1	3636.7	3292.1
37.5°	3347.8	3346.8	3379.8	3392.2	3306.6	3165.2	3088.9	3147.7	3266.3	3773.9	3373.6
40°	3459.3	3463.4	3535.6	3597.5	3550.0	3419.0	3311.7	3341.6	3435.5	3968.9	3516.0
42.5°	3571.7	3583.1	3691.4	3800.7	3819.3	3705.8	3597.5	3615.0	3678.0	4226.8	3728.5
45°	3694.5	3699.6	3851.3	4004.0	4093.7	4026.7	3938.0	3961.7	3976.1	4545.6	4045.3
47.5°	3813.1	3826.5	4022.6	4232.0	4402.2	4396.0	4346.5	4339.3	4342.4	4933.5	4419.8
50°	3975.1	3994.7	4224.8	4477.5	4727.2	4841.7	4856.2	4801.5	4778.8	5364.8	4886.1
52.5°	4282.5	4282.5	4488.9	4737.5	5072.8	5356.5	5453.5	5363.7	5291.5	5820.8	5381.3
55°	4667.4	4683.9	4847.9	5049.1	5474.1	5898.2	6226.2	6127.2	5922.9	6317.0	5900.2
57.5°	4838.6	4859.3	5119.2	5431.8	5999.3	6514.1	6969.1	6934.0	6635.8	6832.9	6438.8
60°	4529.1	4572.4	4930.4	5454.5	6474.9	7507.6	7828.5	7726.3	7300.2	7374.5	7022.7
62.5°	3778.0	3825.5	4222.7	4954.2	6408.8	8581.6	9183.1	8806.5	8129.7	8058.5	7800.6
65°	2254.2	2252.2	2729.8	3699.6	5594.8	8879.7	11326.9	10624.3	9411.1	8997.4	8601.2
67.5°	1433.0	1429.9	1530.0	1960.2	3723.4	8149.3	12705.2	12887.9	11151.5	9687.6	8667.2
70°	1130.7	1129.7	1201.9	1397.9	1841.6	5799.1	12321.5	13585.3	12202.8	9424.5	7631.4
72.5°	824.3	826.4	937.8	1171.0	1420.6	2911.4	9977.5	11624.0	11223.7	8319.5	6195.3
75°	592.2	595.3	662.3	896.5	1310.2	1591.9	6634.8	8740.5	8539.3	6668.8	4261.9
77.5°	376.6	380.7	439.5	628.3	1058.5	1285.5	4022.6	6170.5	5681.5	3757.4	1515.6
80°	230.1	243.5	293.0	468.4	846.0	964.6	2010.8	3250.9	2845.4	1030.7	509.7
82.5°	118.6	129.0	176.4	289.9	582.9	847.0	1138.0	1366.0	881.1	431.2	271.3
85°	37.1	43.3	61.9	117.6	277.5	525.1	753.1	678.9	404.4	203.2	125.9
87.5°	9.3	9.3	10.3	10.3	11.3	23.7	145.5	153.7	107.3	64.0	51.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8	3901.8
2.5°	3875.0	3850.3	3839.9	3838.9	3813.1	3776.0	3751.2	3733.7	3723.4	3721.3	3721.3
5°	3805.9	3773.9	3731.6	3699.6	3630.5	3560.4	3501.6	3468.5	3430.4	3425.2	3424.2
7.5°	3714.1	3667.7	3587.2	3497.4	3376.7	3260.1	3161.1	3094.0	3027.0	3014.6	3010.5
10°	3615.0	3552.1	3414.9	3257.0	3076.5	2902.1	2750.5	2631.8	2553.4	2497.7	2487.4
12.5°	3517.0	3433.5	3232.3	2997.1	2749.5	2511.1	2283.1	2089.2	1948.9	1867.4	1852.9
15°	3425.2	3308.6	3033.2	2732.9	2411.1	2085.0	1762.1	1510.4	1313.3	1243.2	1226.7
17.5°	3341.6	3196.2	2840.2	2459.5	2058.2	1632.1	1264.9	1041.0	925.4	890.3	882.1
20°	3258.1	3080.6	2644.2	2171.7	1683.7	1206.0	924.4	819.2	775.8	762.4	758.3
22.5°	3168.3	2953.7	2430.7	1888.0	1305.1	902.7	756.2	709.8	696.4	697.4	696.4
25°	3078.6	2824.8	2206.8	1579.5	971.9	732.5	660.3	642.7	645.8	655.1	657.2
27.5°	3004.3	2710.2	1987.0	1241.1	759.3	630.4	596.3	595.3	606.6	619.0	621.1
30°	2950.6	2608.1	1770.4	954.3	625.2	560.2	546.8	553.0	566.4	575.7	578.8
32.5°	2912.5	2520.4	1539.3	750.0	547.8	510.7	504.5	510.7	518.9	528.2	530.3
35°	2899.0	2456.5	1312.3	611.8	495.2	474.6	470.4	473.5	477.7	482.8	484.9
37.5°	2929.0	2424.5	1075.0	532.4	463.2	450.8	444.7	442.6	443.6	445.7	446.7
40°	3017.7	2438.9	881.1	485.9	442.6	431.2	420.9	416.8	415.8	417.8	416.8
42.5°	3170.4	2499.8	740.8	459.1	426.1	409.6	398.2	394.1	394.1	399.3	399.3
45°	3394.3	2619.5	639.6	439.5	411.6	391.0	378.6	376.6	380.7	388.9	390.0
47.5°	3722.3	2794.8	578.8	425.1	398.2	374.5	362.1	361.1	369.3	382.8	383.8
50°	4111.3	3047.6	545.8	414.7	388.9	361.1	348.7	349.7	359.0	373.5	376.6
52.5°	4579.7	3392.2	547.8	410.6	383.8	352.8	340.5	338.4	347.7	362.1	365.2
55°	5063.5	3811.1	588.1	411.6	376.6	348.7	332.2	325.0	333.2	343.6	344.6
57.5°	5595.9	4283.6	688.1	409.6	367.3	344.6	325.0	308.5	313.6	319.8	322.9
60°	6196.3	4839.7	903.8	413.7	363.2	335.3	310.5	288.9	287.8	292.0	293.0
62.5°	6999.0	5595.9	1146.2	420.9	372.4	324.0	288.9	266.2	262.0	264.1	265.1
65°	7612.8	5957.0	1069.9	414.7	392.0	315.7	268.2	244.5	236.3	234.2	234.2
67.5°	7363.2	5479.3	744.9	398.2	401.3	316.7	251.7	221.8	211.5	206.3	205.3
70°	6265.4	4450.7	517.9	381.7	391.0	314.7	234.2	203.2	189.8	182.6	181.6
72.5°	4950.0	3398.4	418.9	348.7	354.9	283.7	208.4	182.6	171.3	162.0	162.0
75°	3185.9	2073.7	349.7	310.5	289.9	220.8	180.5	163.0	151.7	142.4	142.4
77.5°	1071.9	769.6	271.3	263.1	216.7	166.1	151.7	140.3	131.0	122.8	121.7
80°	435.4	365.2	199.1	199.1	151.7	126.9	118.6	113.5	107.3	97.0	97.0
82.5°	252.8	221.8	139.3	120.7	101.1	87.7	82.5	77.4	77.4	70.2	70.2
85°	121.7	122.8	83.6	74.3	57.8	50.6	48.5	45.4	44.4	40.2	39.2
87.5°	66.0	67.1	42.3	33.0	22.7	19.6	16.5	15.5	14.4	13.4	13.4
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)