

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: P635883

Luminaire Tested: GWS-SA3E-760-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22840.1 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

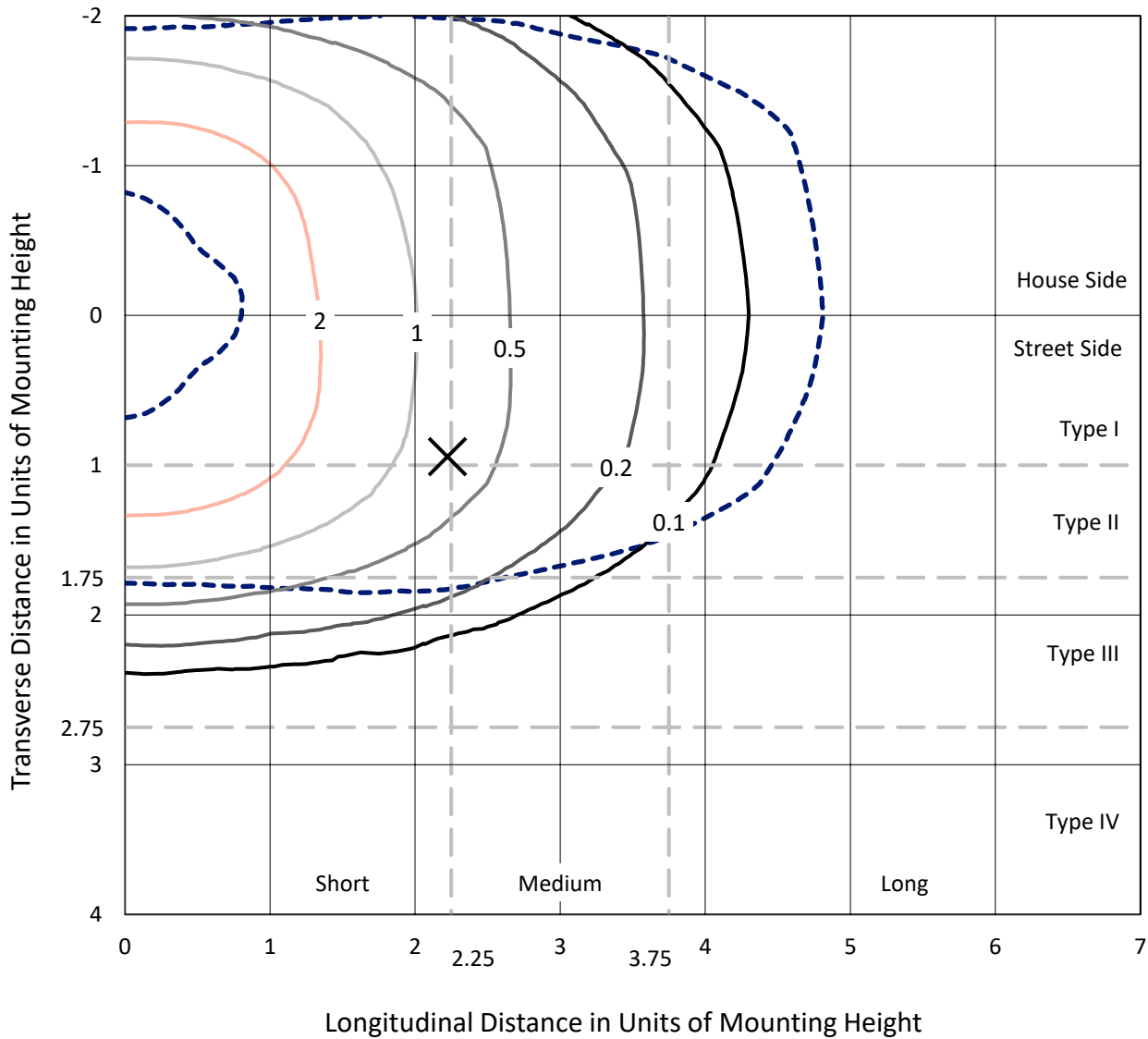
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

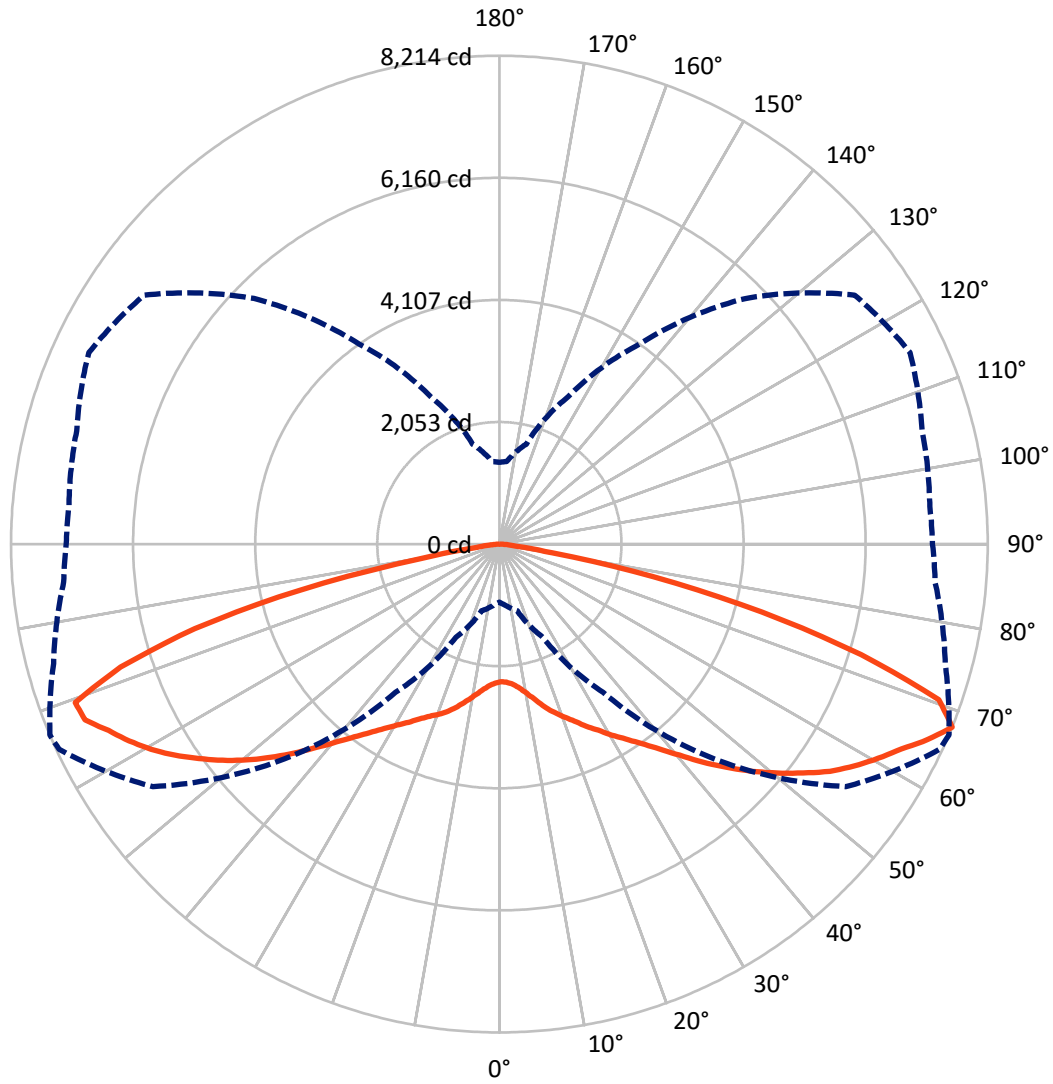
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11294.0	0.0	11294.0
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	11546.1	0.0	11546.1
	% Fixture	50.6	0.0	50.6
Total	Lumens	22840.1	0.0	22840.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.9	1.0
10°-20°	766.6	3.4
20°-30°	1504.0	6.6
30°-40°	2562.3	11.2
40°-50°	4114.6	18.0
50°-60°	5590.8	24.5
60°-70°	5348.0	23.4
70°-80°	2542.6	11.1
80°-90°	184.3	0.8
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°	22840.1	100.0
0°-180°	22840.1	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7
2.5°	2265.0	2268.2	2272.9	2282.5	2292.0	2306.3	2320.6	2319.0	2325.4	2330.2	2335.0
5°	2252.2	2255.4	2263.4	2276.1	2290.4	2314.3	2344.5	2357.2	2366.8	2384.3	2400.2
7.5°	2279.3	2285.6	2296.8	2314.3	2336.5	2366.8	2408.1	2430.4	2444.7	2476.5	2503.6
10°	2315.9	2323.8	2346.1	2379.5	2412.9	2459.0	2511.5	2544.9	2554.5	2595.8	2646.7
12.5°	2350.9	2360.4	2397.0	2457.4	2517.9	2579.9	2641.9	2683.3	2686.5	2742.1	2799.4
15°	2406.5	2414.5	2463.8	2541.7	2634.0	2719.9	2796.2	2824.9	2837.6	2877.3	2948.9
17.5°	2529.0	2538.5	2602.2	2686.5	2783.5	2874.2	2950.5	2974.4	2974.4	3007.8	3066.6
20°	2661.0	2670.6	2754.9	2863.0	2980.7	3073.0	3131.8	3109.6	3101.6	3111.2	3152.5
22.5°	2808.9	2826.4	2907.6	3033.2	3178.0	3290.9	3321.1	3254.3	3232.0	3209.8	3219.3
25°	2998.2	3018.9	3098.4	3232.0	3373.6	3492.9	3510.4	3407.0	3394.3	3316.3	3287.7
27.5°	3216.1	3232.0	3330.7	3462.7	3594.7	3694.9	3714.0	3586.7	3543.8	3435.6	3368.8
30°	3497.7	3512.0	3597.9	3728.3	3842.8	3912.8	3936.7	3761.7	3728.3	3562.9	3459.5
32.5°	3804.6	3811.0	3898.5	4024.1	4125.9	4192.7	4159.3	3955.7	3906.4	3720.3	3578.8
35°	4156.2	4156.2	4269.1	4370.9	4452.0	4471.1	4407.5	4175.2	4118.0	3916.0	3739.4
37.5°	4501.3	4510.9	4615.8	4736.7	4808.3	4805.1	4689.0	4434.5	4369.3	4149.8	3954.2
40°	4875.1	4895.8	5000.7	5135.9	5204.3	5194.8	5016.7	4733.5	4666.7	4407.5	4216.6
42.5°	5218.7	5252.1	5374.5	5512.9	5587.7	5581.3	5395.2	5077.1	5011.9	4719.2	4528.4
45°	5492.2	5527.2	5679.9	5872.4	5991.7	5980.5	5792.9	5433.4	5353.9	5046.9	4836.9
47.5°	5732.4	5769.0	5939.2	6142.8	6332.1	6351.1	6179.4	5792.9	5708.6	5398.4	5161.4
50°	5916.9	5934.4	6125.3	6348.0	6567.5	6674.0	6524.5	6153.9	6052.1	5745.1	5477.9
52.5°	5902.6	5926.5	6161.9	6464.1	6758.3	6933.3	6829.9	6494.3	6395.7	6061.7	5800.8
55°	5611.5	5635.4	5915.3	6355.9	6864.9	7122.6	7111.4	6818.8	6747.2	6384.5	6136.4
57.5°	5186.8	5239.3	5517.7	5993.3	6724.9	7273.7	7318.2	7114.6	7039.9	6701.1	6468.8
60°	4426.6	4496.5	4817.8	5435.0	6276.4	7222.8	7539.3	7364.3	7318.2	6995.3	6769.5
62.5°	3216.1	3267.0	3694.9	4504.5	5611.5	6860.1	7725.4	7622.0	7587.0	7259.4	7041.4
65°	1926.2	2042.3	2385.9	3185.9	4526.8	6176.2	7623.6	7959.2	7922.6	7531.3	7273.7
67.5°	975.0	1027.5	1162.7	1727.4	3044.3	5110.5	7113.0	8169.2	8213.7	7763.6	7356.4
70°	604.4	618.7	656.9	852.5	1520.6	3357.7	5816.7	7622.0	7839.9	7727.0	7141.7
72.5°	485.1	488.3	494.7	531.3	730.1	1569.9	3677.4	5969.4	6362.3	7216.4	6834.7
75°	402.4	404.0	405.6	416.7	454.9	641.0	1789.4	4102.1	4561.8	6133.2	6336.8
77.5°	322.9	314.9	321.3	326.1	335.6	357.9	617.1	2188.6	2654.7	4025.7	4900.5
80°	210.0	206.8	219.5	224.3	233.8	248.1	329.2	742.8	901.9	1464.9	1558.8
82.5°	112.9	106.6	133.6	128.8	133.6	144.7	194.0	272.0	305.4	442.2	373.8
85°	35.0	35.0	36.6	42.9	52.5	50.9	84.3	133.6	147.9	189.3	140.0
87.5°	6.4	6.4	6.4	6.4	6.4	8.0	17.5	27.0	36.6	65.2	49.3
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°	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7	2312.7
2.5°	2344.5	2330.2	2338.1	2342.9	2341.3	2338.1	2322.2	2319.0	2311.1	2298.4	2295.2
5°	2414.5	2398.6	2400.2	2395.4	2379.5	2358.8	2323.8	2306.3	2292.0	2276.1	2274.5
7.5°	2524.2	2506.7	2502.0	2479.7	2435.2	2387.4	2331.8	2300.0	2276.1	2255.4	2252.2
10°	2664.2	2646.7	2630.8	2578.3	2505.1	2441.5	2368.4	2322.2	2287.2	2261.8	2257.0
12.5°	2820.1	2805.8	2766.0	2689.7	2602.2	2527.4	2452.7	2395.4	2344.5	2306.3	2301.6
15°	2993.5	2961.6	2901.2	2802.6	2719.9	2659.4	2568.8	2490.8	2409.7	2358.8	2347.7
17.5°	3114.3	3087.3	3015.7	2920.3	2855.1	2802.6	2696.0	2584.7	2474.9	2400.2	2384.3
20°	3200.2	3171.6	3090.5	3020.5	2999.8	2955.3	2831.2	2702.4	2575.1	2482.9	2462.2
22.5°	3262.3	3232.0	3149.3	3114.3	3143.0	3135.0	3014.1	2867.8	2716.7	2606.9	2581.5
25°	3321.1	3292.5	3219.3	3232.0	3308.4	3332.2	3201.8	3031.6	2859.8	2731.0	2700.8
27.5°	3376.8	3340.2	3306.8	3376.8	3484.9	3529.5	3391.1	3198.6	3012.5	2880.5	2856.7
30°	3462.7	3419.7	3415.0	3516.7	3688.5	3726.7	3574.0	3381.5	3197.0	3063.4	3033.2
32.5°	3570.8	3531.1	3534.2	3686.9	3885.8	3917.6	3787.1	3607.4	3422.9	3289.3	3247.9
35°	3717.2	3667.9	3694.9	3882.6	4083.0	4141.8	4036.9	3887.4	3707.6	3570.8	3524.7
37.5°	3919.2	3847.6	3903.3	4100.5	4302.5	4390.0	4308.9	4197.5	4019.4	3881.0	3838.0
40°	4176.8	4118.0	4140.3	4358.2	4566.5	4671.5	4620.6	4510.9	4334.3	4189.6	4140.3
42.5°	4482.2	4423.4	4415.4	4647.6	4856.0	5015.1	4965.8	4865.6	4682.6	4517.2	4469.5
45°	4781.3	4727.2	4738.3	4975.3	5209.1	5382.5	5333.2	5215.5	5016.7	4825.8	4787.6
47.5°	5093.0	5048.5	5058.0	5309.3	5567.0	5740.4	5678.3	5535.2	5303.0	5099.4	5053.2
50°	5412.7	5361.8	5376.1	5640.2	5918.5	6082.3	5986.9	5775.4	5519.3	5320.5	5280.7
52.5°	5730.8	5670.4	5707.0	5956.7	6244.6	6375.0	6198.4	5942.4	5694.2	5497.0	5452.5
55°	6096.7	6033.0	5993.3	6260.5	6545.2	6599.3	6357.5	6058.5	5764.2	5540.0	5512.9
57.5°	6430.7	6376.6	6301.8	6569.1	6779.0	6739.2	6480.0	6026.7	5594.0	5306.1	5268.0
60°	6729.7	6683.6	6618.4	6845.8	6941.2	6852.2	6381.4	5649.7	5174.1	4873.5	4856.0
62.5°	7004.9	6955.6	6895.1	7089.2	7076.4	6869.7	5932.8	5070.7	4434.5	4111.6	4083.0
65°	7222.8	7178.2	7160.7	7313.4	7292.8	6527.7	5234.6	4122.8	3240.0	2875.7	2864.6
67.5°	7284.8	7267.3	7361.2	7620.4	7297.5	5840.6	4105.3	2734.2	1740.1	1394.9	1374.3
70°	7052.6	7051.0	7319.8	7690.4	6635.9	4461.5	2422.4	1232.7	874.8	776.2	763.5
72.5°	6750.4	6745.6	6958.7	6634.3	4921.2	2441.5	1019.6	660.1	547.2	520.1	520.1
75°	6254.1	6241.4	6402.0	5046.9	2767.6	919.3	540.8	453.3	429.5	424.7	424.7
77.5°	5097.8	4991.2	4738.3	3119.1	965.5	451.7	357.9	356.3	342.0	340.4	340.4
80°	1676.5	1676.5	1948.4	1189.7	426.3	278.3	252.9	265.6	251.3	241.8	240.2
82.5°	273.6	377.0	536.0	340.4	230.6	173.4	155.9	165.4	173.4	138.4	138.4
85°	108.2	141.6	206.8	159.1	106.6	70.0	74.8	82.7	73.2	63.6	62.0
87.5°	41.4	50.9	73.2	38.2	22.3	12.7	8.0	8.0	6.4	6.4	6.4
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)