

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: P635870

Luminaire Tested: GWS-SA3E-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22976.9 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

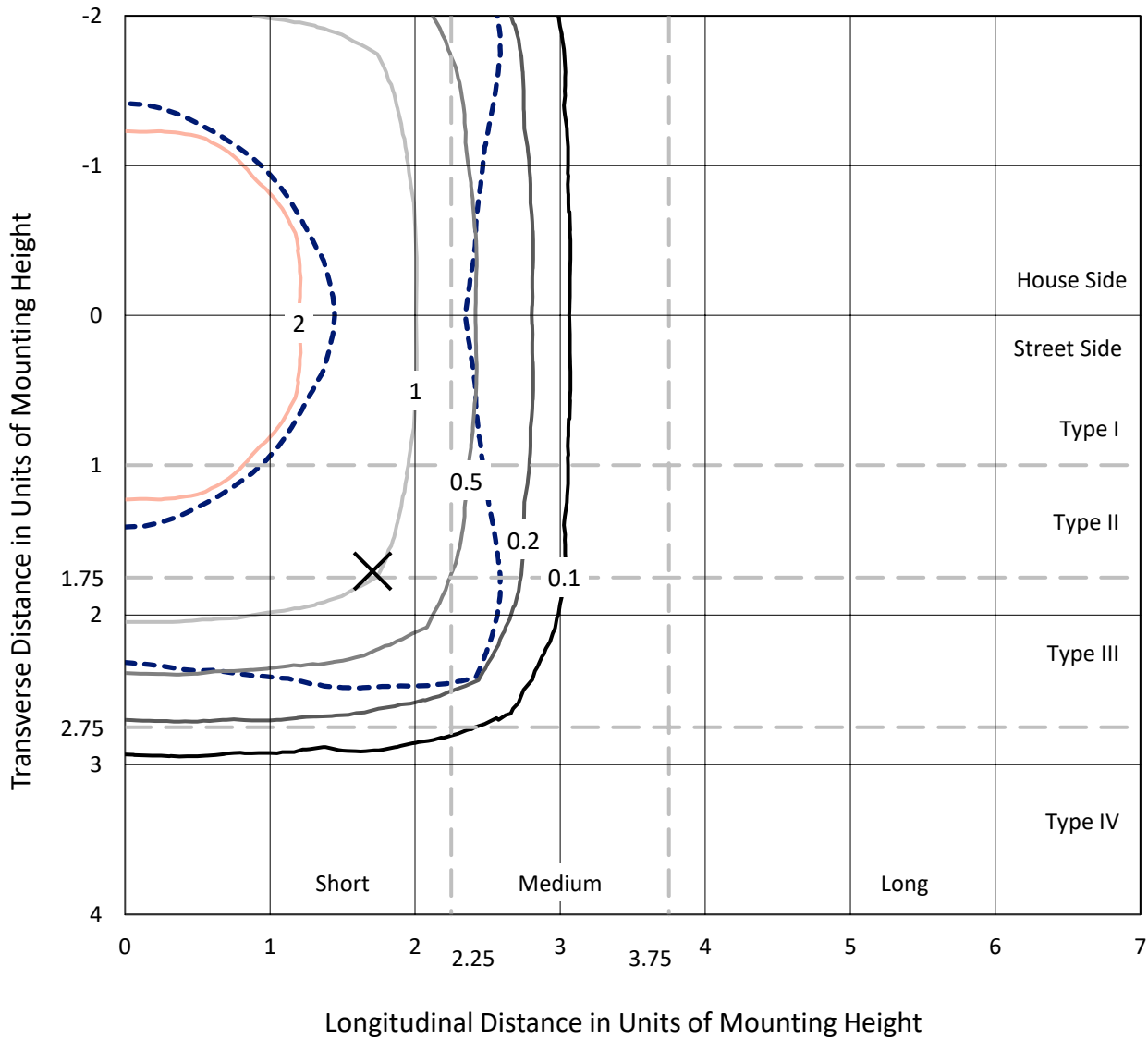
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

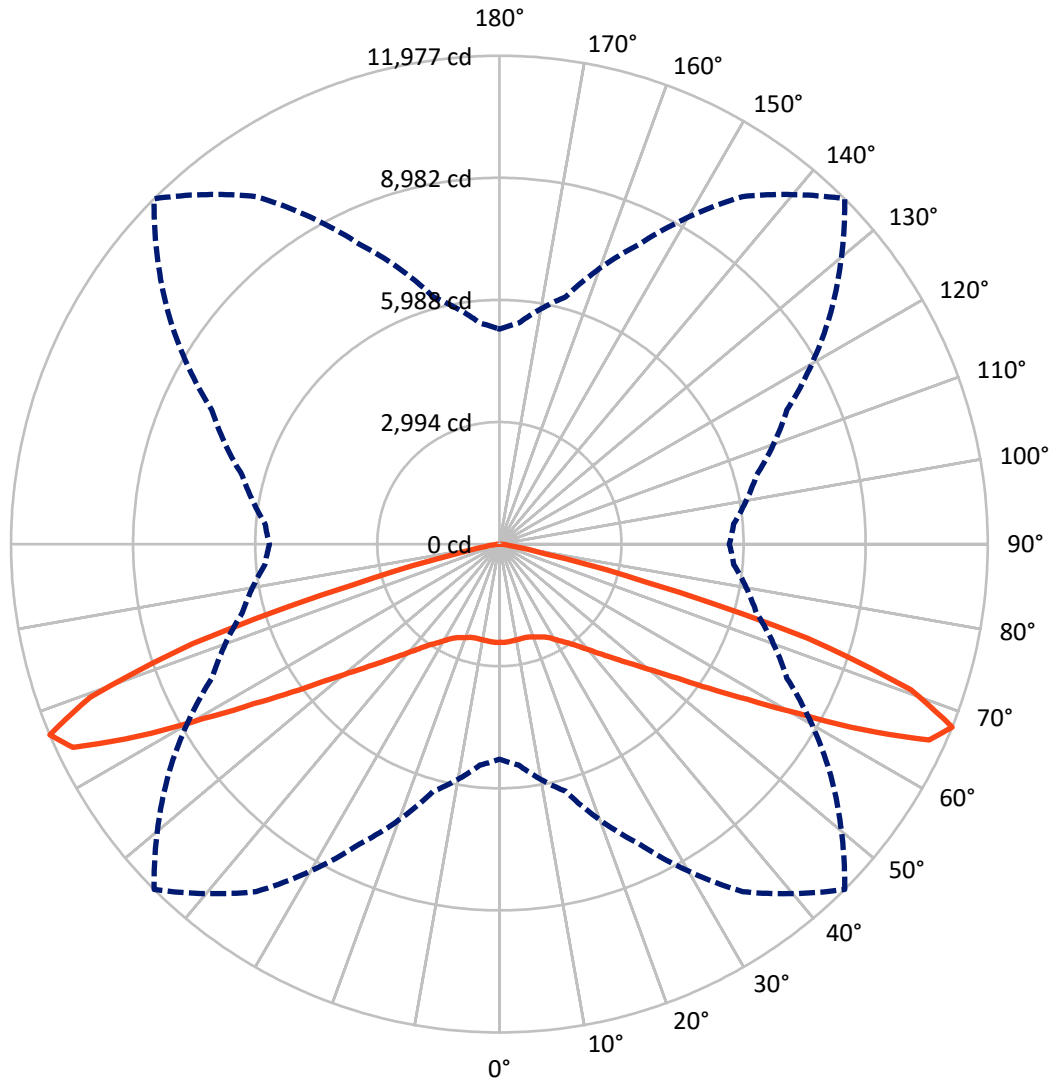
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11488.4	0.0	11488.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11488.4	0.0	11488.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	22976.9	0.0	22976.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	1.0
10°-20°	669.0	2.9
20°-30°	1153.8	5.0
30°-40°	1876.0	8.2
40°-50°	3158.9	13.7
50°-60°	5596.9	24.4
60°-70°	8000.4	34.8
70°-80°	2195.8	9.6
80°-90°	98.4	0.4
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°	22976.9	100.0
0°-180°	22976.9	100.0

Coefficient of Utilization



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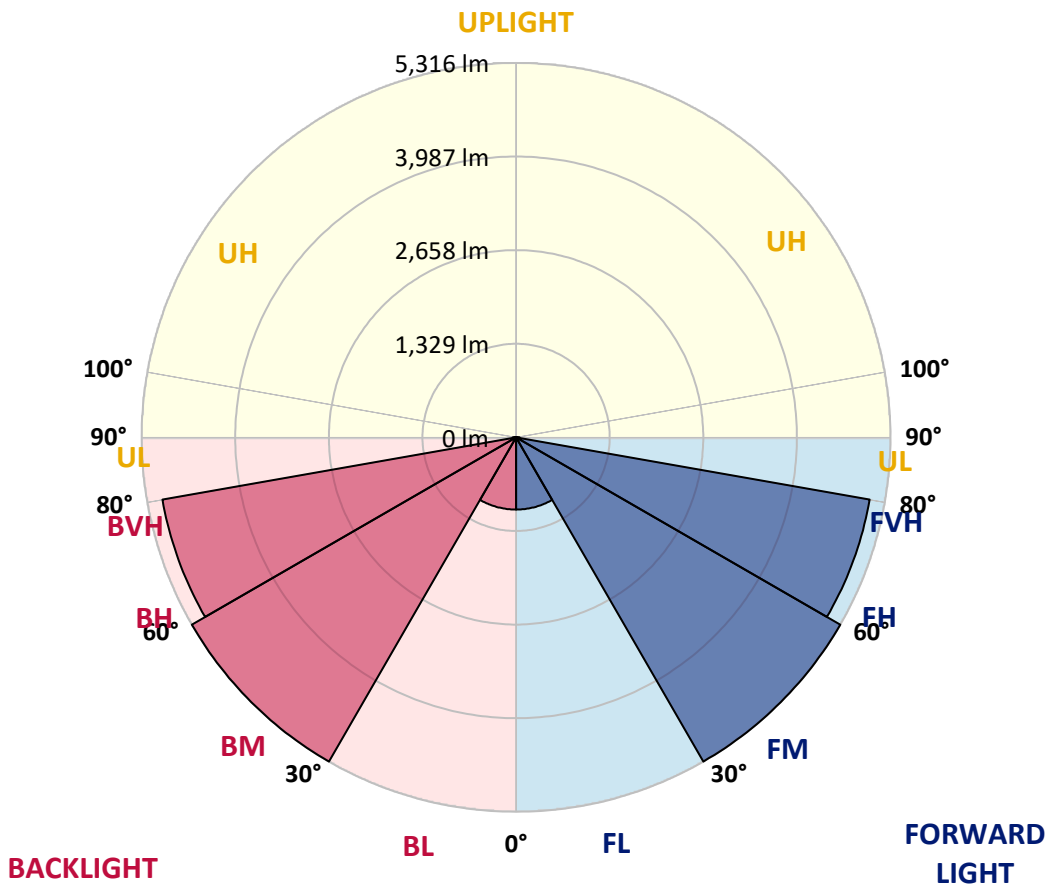
CATALOG NUMBER: GWS-SA3E-760-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1025.2	4.5			
FM (30°-60°)	5315.9	23.1			
FH (60°-80°)	5098.1	22.2			G3/7500
FVH (80°-90°)	49.2	0.2			G1/100
BL (0°-30°)	1025.2	4.5	B3/2500		
BM (30°-60°)	5315.9	23.1	B4/8500		
BH (60°-80°)	5098.1	22.2	B5		G3/7500
BVH (80°-90°)	49.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2406.4	2406.4	2406.4	2406.4	2406.4	2406.4	2406.4	2406.4	2406.4	2406.4	2406.4
2.5°	2390.5	2388.9	2396.9	2401.7	2400.1	2411.2	2409.6	2406.4	2406.4	2401.7	2414.4
5°	2390.5	2388.9	2395.3	2396.9	2393.7	2403.2	2400.1	2396.9	2396.9	2390.5	2401.7
7.5°	2377.8	2379.4	2384.2	2387.3	2384.2	2392.1	2387.3	2381.0	2379.4	2373.0	2384.2
10°	2353.9	2355.5	2360.3	2368.3	2369.8	2384.2	2376.2	2365.1	2360.3	2353.9	2365.1
12.5°	2339.6	2341.2	2346.0	2355.5	2358.7	2377.8	2369.8	2352.3	2344.4	2338.0	2349.2
15°	2336.4	2338.0	2344.4	2353.9	2358.7	2377.8	2369.8	2349.2	2338.0	2330.1	2339.6
17.5°	2336.4	2339.6	2349.2	2363.5	2373.0	2392.1	2382.6	2358.7	2342.8	2328.5	2338.0
20°	2338.0	2342.8	2357.1	2377.8	2401.7	2428.7	2416.0	2384.2	2361.9	2344.4	2350.8
22.5°	2352.3	2360.3	2377.8	2404.8	2439.8	2471.6	2460.5	2417.6	2385.7	2361.9	2368.3
25°	2401.7	2404.8	2427.1	2462.1	2495.5	2522.5	2511.4	2471.6	2431.9	2403.2	2411.2
27.5°	2489.1	2497.1	2516.2	2552.8	2581.4	2595.7	2594.1	2567.1	2527.3	2501.9	2508.2
30°	2594.1	2602.1	2627.5	2668.9	2697.5	2713.4	2708.6	2687.9	2651.4	2616.4	2622.7
32.5°	2716.6	2719.8	2750.0	2796.1	2826.3	2850.2	2834.3	2812.0	2765.9	2724.5	2727.7
35°	2872.4	2877.2	2909.0	2952.0	2975.8	2994.9	2991.7	2969.5	2920.2	2875.6	2886.8
37.5°	3068.1	3071.3	3099.9	3154.0	3173.0	3187.4	3190.5	3179.4	3128.5	3071.3	3082.4
40°	3311.4	3313.0	3344.8	3392.5	3413.2	3422.8	3424.3	3425.9	3373.4	3330.5	3327.3
42.5°	3594.5	3602.5	3647.0	3693.1	3702.7	3697.9	3713.8	3729.7	3678.8	3620.0	3624.7
45°	3933.3	3938.1	3998.5	4049.4	4031.9	4016.0	4046.2	4078.0	4031.9	3955.6	3933.3
47.5°	4334.1	4343.7	4408.9	4459.8	4431.1	4402.5	4451.8	4485.2	4410.5	4329.3	4308.7
50°	4787.4	4793.8	4886.0	4949.6	4916.2	4863.7	4925.8	4960.8	4860.6	4760.4	4715.8
52.5°	5323.4	5310.7	5433.1	5544.5	5523.8	5455.4	5506.3	5512.7	5363.2	5221.6	5177.1
55°	5977.1	5964.4	6086.8	6209.3	6260.2	6242.7	6218.9	6180.7	5959.6	5808.5	5767.2
57.5°	6738.9	6699.2	6871.0	7036.4	7147.7	7179.5	7077.7	6988.7	6813.7	6627.6	6579.9
60°	7446.7	7445.1	7717.1	8003.4	8308.8	8436.0	8178.3	7936.6	7543.7	7205.0	7136.6
62.5°	7645.5	7678.9	8124.3	8833.6	9587.5	10037.6	9358.5	8558.5	7799.8	7289.3	7198.6
65°	7155.7	7238.4	7871.4	8991.1	10479.8	11580.4	10047.2	8572.8	7515.1	6878.9	6783.5
67.5°	5274.1	5439.5	6277.7	8113.1	10403.5	11976.5	9924.7	7779.1	6527.4	5770.3	5638.3
70°	2602.1	2759.5	3424.3	5337.7	8560.1	10705.7	8587.1	5862.6	4408.9	3680.4	3559.5
72.5°	957.5	1021.1	1281.9	2284.0	4723.8	7908.0	5872.1	3274.8	2136.0	1700.2	1619.1
75°	469.2	480.3	520.1	766.6	1743.2	3721.8	2759.5	1256.5	785.7	683.9	661.6
77.5°	299.0	303.8	322.9	365.8	559.9	1172.2	836.6	496.2	384.9	369.0	369.0
80°	167.0	171.8	197.2	227.4	262.4	402.4	300.6	297.4	252.9	221.1	216.3
82.5°	79.5	87.5	125.6	124.1	138.4	202.0	176.5	160.6	162.2	122.5	116.1
85°	36.6	36.6	49.3	58.8	62.0	68.4	81.1	92.2	90.7	62.0	66.8
87.5°	17.5	17.5	17.5	15.9	14.3	12.7	17.5	28.6	41.4	28.6	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)