

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: P635380

Luminaire Tested: GWS-SA3D-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14994.7 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

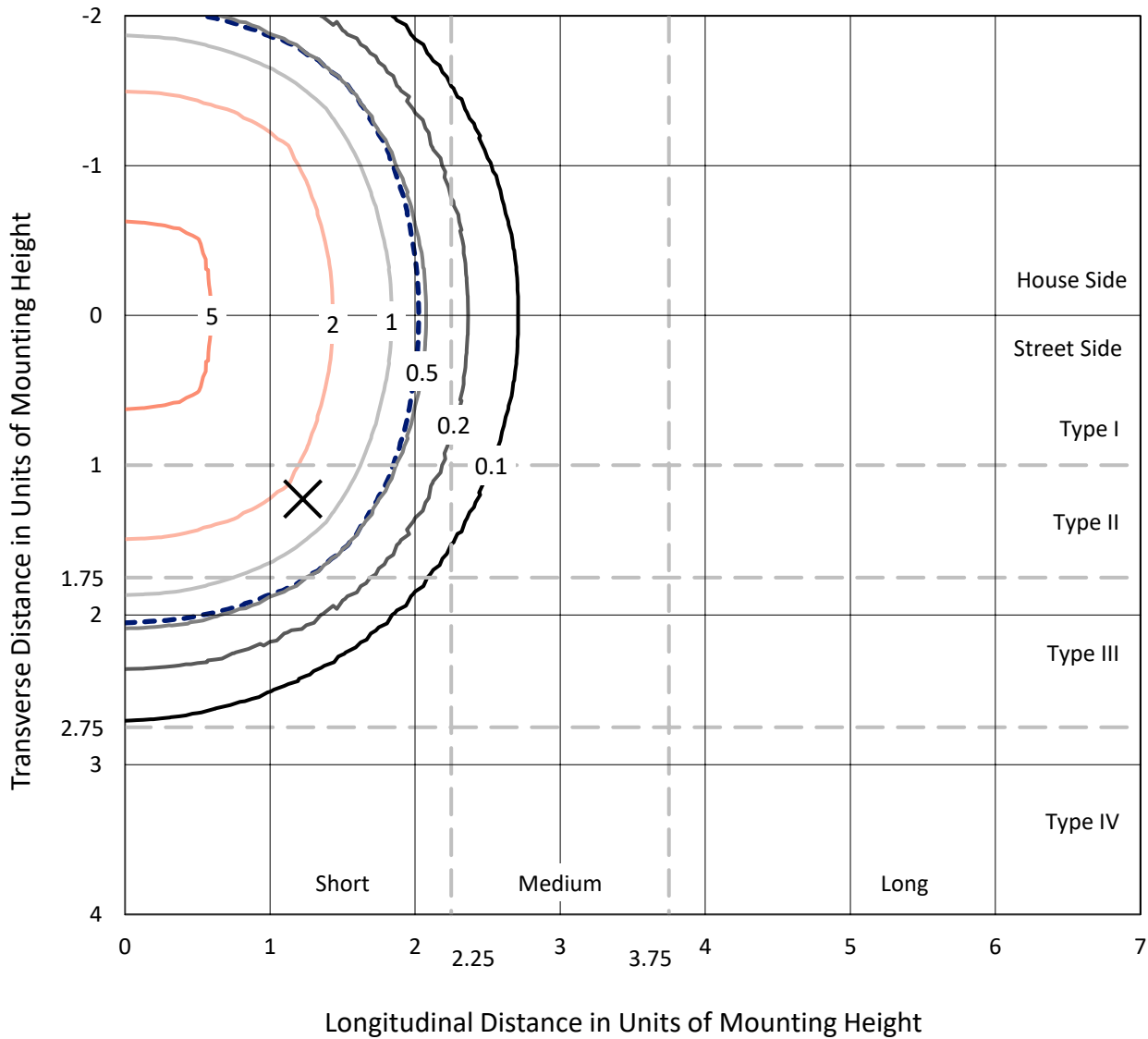
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

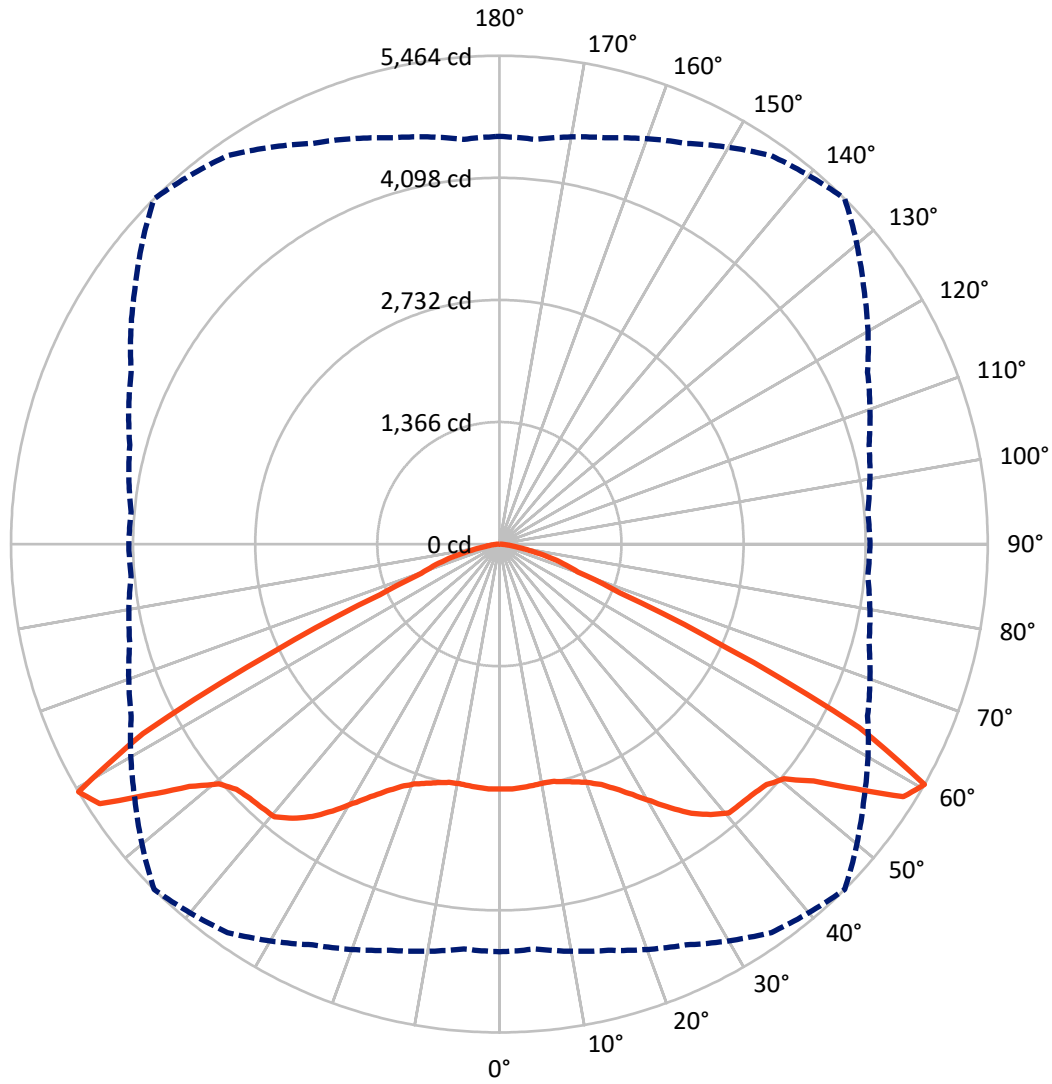
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7497.4	0.0	7497.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7497.4	0.0	7497.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14994.7	0.0	14994.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.9	1.7
10°-20°	781.7	5.2
20°-30°	1382.9	9.2
30°-40°	2226.5	14.8
40°-50°	3060.3	20.4
50°-60°	4078.1	27.2
60°-70°	2541.7	17.0
70°-80°	584.5	3.9
80°-90°	79.3	0.5
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°	14994.7	100.0
0°-180°	14994.7	100.0

Coefficient of Utilization



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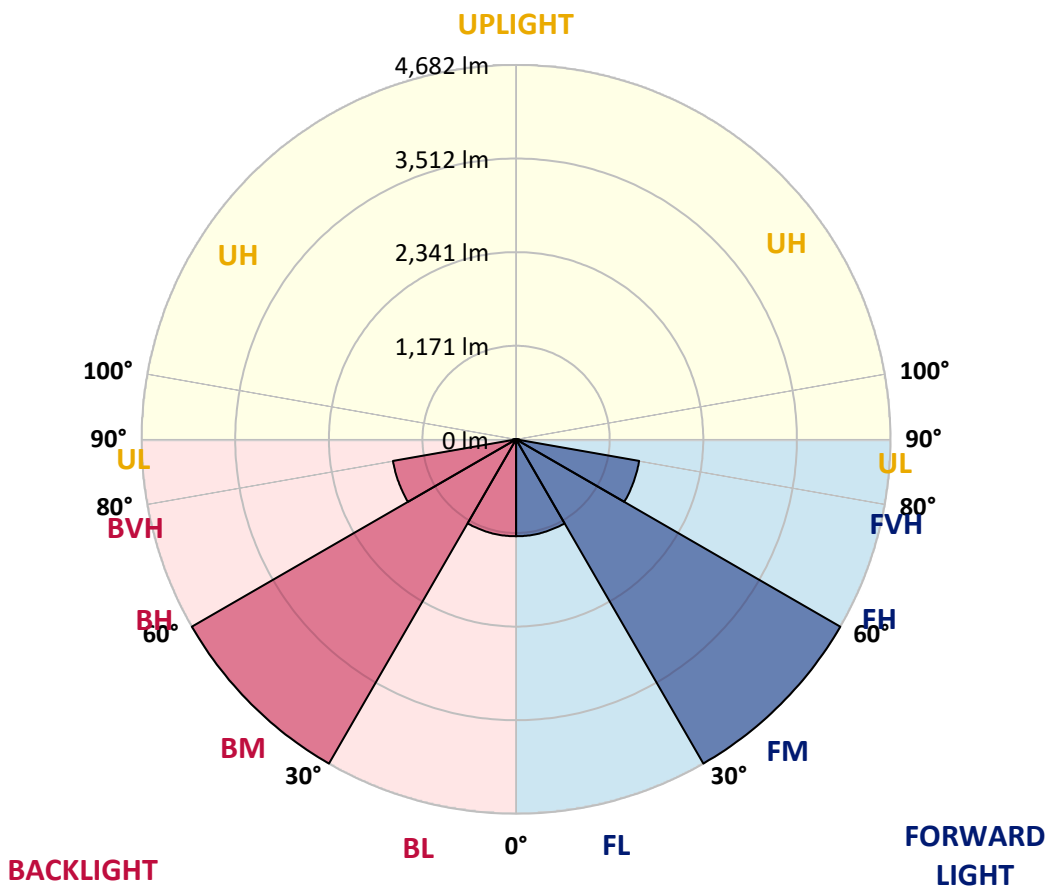
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1212.2	8.1			
FM (30°-60°)	4682.4	31.2			
FH (60°-80°)	1563.1	10.4			G1/1800
FVH (80°-90°)	39.6	0.3			G1/100
BL (0°-30°)	1212.2	8.1	B3/2500		
BM (30°-60°)	4682.4	31.2	B3/5000		
BH (60°-80°)	1563.1	10.4	B3/2500		G1/1800
BVH (80°-90°)	39.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2740.3	2740.3	2740.3	2740.3	2740.3	2740.3	2740.3	2740.3	2740.3	2740.3	2740.3
2.5°	2721.2	2723.7	2728.8	2732.6	2737.7	2742.8	2745.4	2740.3	2737.7	2727.5	2739.0
5°	2723.7	2726.3	2730.1	2730.1	2731.4	2735.2	2735.2	2728.8	2722.4	2711.0	2723.7
7.5°	2719.9	2722.4	2723.7	2722.4	2723.7	2725.0	2722.4	2714.8	2708.4	2698.3	2708.4
10°	2713.5	2716.1	2718.6	2716.1	2713.5	2717.4	2717.4	2712.3	2708.4	2698.3	2709.7
12.5°	2727.5	2731.4	2732.6	2726.3	2723.7	2725.0	2725.0	2719.9	2719.9	2711.0	2723.7
15°	2760.6	2763.2	2759.4	2751.7	2753.0	2756.8	2747.9	2735.2	2732.6	2728.8	2739.0
17.5°	2786.1	2788.6	2784.8	2779.7	2788.6	2797.5	2781.0	2756.8	2749.2	2746.6	2758.1
20°	2814.1	2817.9	2812.8	2819.2	2837.0	2847.2	2826.8	2793.7	2778.4	2774.6	2788.6
22.5°	2859.9	2865.0	2865.0	2879.0	2905.7	2922.3	2896.8	2852.3	2829.4	2823.0	2837.0
25°	2932.4	2936.3	2940.1	2968.1	3011.4	3034.3	2993.5	2932.4	2900.6	2890.4	2898.1
27.5°	3033.0	3039.4	3045.7	3086.5	3139.9	3173.0	3114.5	3038.1	2998.6	2978.3	2993.5
30°	3152.6	3161.5	3176.8	3222.6	3297.7	3334.6	3259.5	3166.6	3122.1	3100.5	3120.8
32.5°	3315.5	3316.8	3328.3	3379.2	3478.5	3520.5	3426.3	3323.2	3277.4	3251.9	3263.4
35°	3509.0	3510.3	3492.5	3544.6	3651.6	3698.7	3587.9	3483.6	3445.4	3437.7	3467.0
37.5°	3707.6	3696.1	3678.3	3701.2	3809.4	3839.9	3722.8	3633.7	3617.2	3631.2	3674.5
40°	3848.8	3829.7	3794.1	3810.7	3920.1	3955.7	3831.0	3747.0	3741.9	3776.3	3828.5
42.5°	3940.5	3920.1	3878.1	3878.1	3953.2	3968.5	3871.7	3827.2	3838.7	3878.1	3927.7
45°	3985.0	3973.6	3949.4	3936.7	3978.7	3985.0	3911.2	3893.4	3915.0	3934.1	3972.3
47.5°	4019.4	4019.4	4011.8	3999.0	4018.1	4021.9	3967.2	3962.1	3990.1	3990.1	4015.6
50°	4080.5	4086.8	4097.0	4094.5	4114.8	4127.6	4086.8	4079.2	4090.7	4053.8	4066.5
52.5°	4240.8	4257.4	4286.7	4309.6	4361.8	4401.2	4328.7	4267.6	4207.8	4126.3	4128.8
55°	4528.5	4536.1	4593.4	4660.9	4748.7	4828.9	4680.0	4490.3	4360.5	4265.0	4266.3
57.5°	4771.6	4783.0	4867.0	5008.3	5205.6	5330.3	5000.7	4683.8	4500.5	4383.4	4387.2
60°	4561.6	4546.3	4705.4	4947.2	5304.9	5464.0	4977.8	4545.0	4281.6	4136.5	4146.7
62.5°	3529.4	3500.1	3677.0	3930.3	4359.2	4518.3	4070.3	3655.4	3405.9	3292.6	3276.1
65°	2148.4	2121.7	2249.0	2404.3	2694.4	2795.0	2590.1	2369.9	2152.2	2083.5	2064.4
67.5°	1169.7	1165.9	1200.2	1276.6	1403.9	1451.0	1411.5	1307.1	1251.1	1202.8	1202.8
70°	927.8	920.2	913.8	915.1	926.6	932.9	934.2	929.1	935.5	936.8	931.7
72.5°	768.7	766.2	753.5	754.7	749.7	747.1	756.0	761.1	771.3	772.6	772.6
75°	557.5	551.1	557.5	558.7	553.7	553.7	560.0	558.7	563.8	566.4	552.4
77.5°	316.9	316.9	325.8	336.0	343.6	343.6	350.0	350.0	356.4	355.1	352.6
80°	174.4	174.4	179.5	185.8	193.5	201.1	207.5	208.7	212.6	211.3	207.5
82.5°	99.3	100.5	103.1	106.9	114.5	120.9	127.3	128.5	132.4	132.4	128.5
85°	47.1	45.8	47.1	49.6	53.5	58.5	64.9	68.7	71.3	71.3	68.7
87.5°	8.9	10.2	8.9	10.2	11.5	15.3	17.8	20.4	24.2	25.5	22.9
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)