

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: P639230

Luminaire Tested: GWS-SA5B-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639230
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-SA5B-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14995.6 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

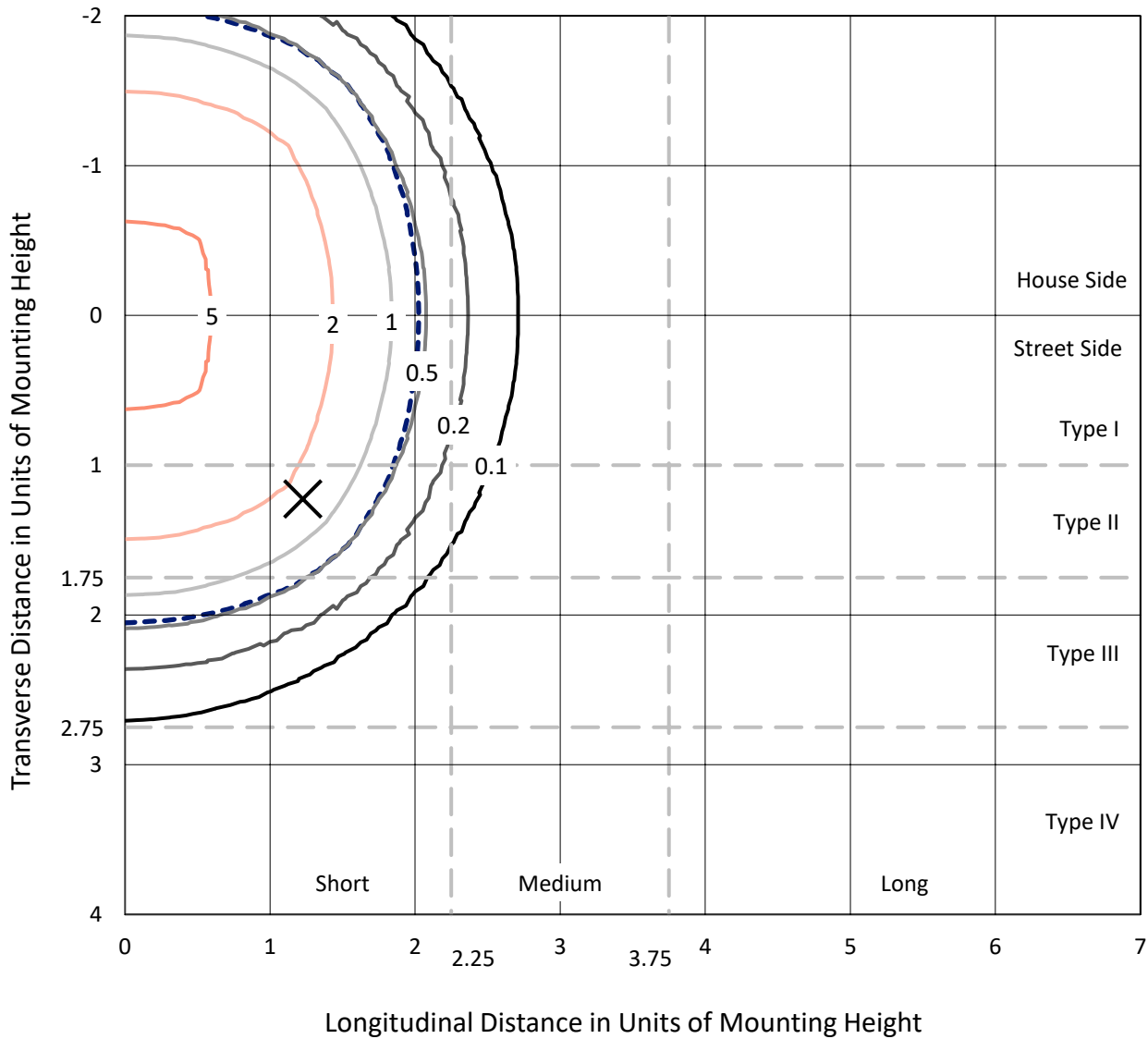
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639230
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Iso-Footcandle Lines of Horizontal Illumination

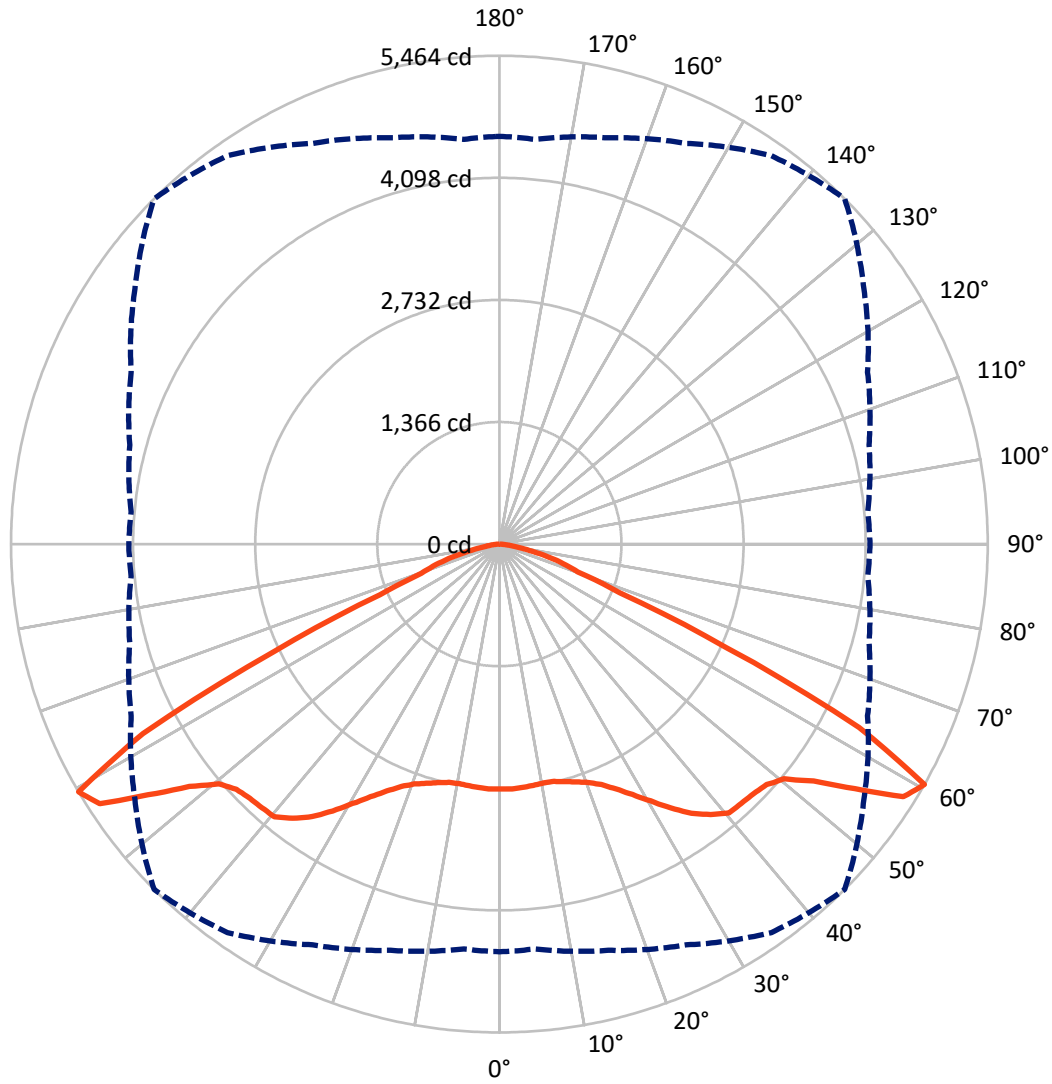
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P639230
CATALOG NUMBER: GWS-SA5B-740-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639230

CATALOG NUMBER: GWS-SA5B-740-U-5WQ-W-GRSWH

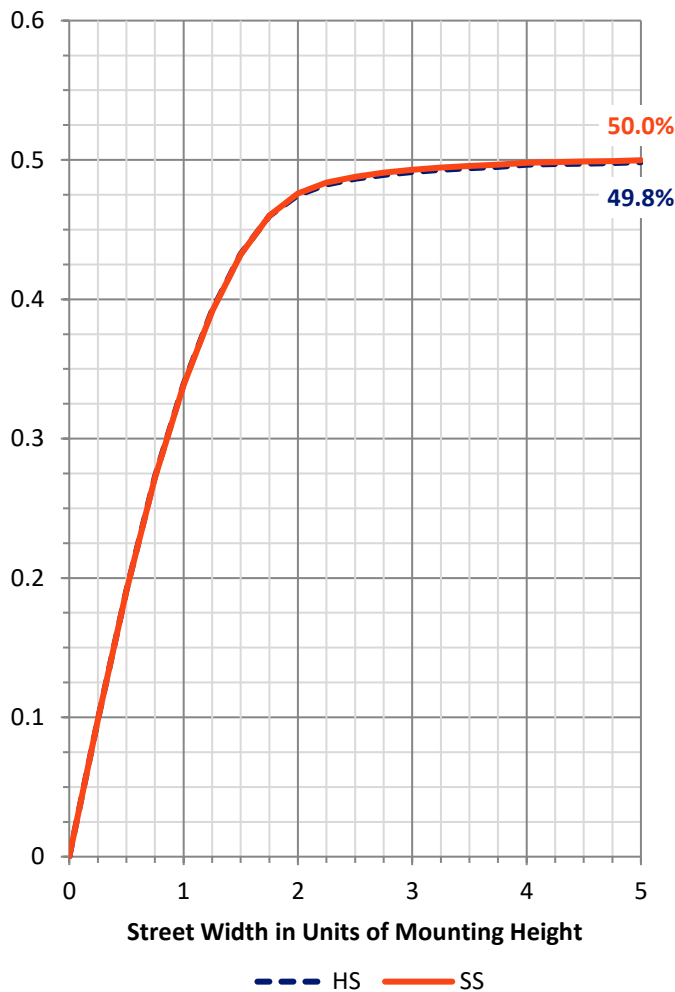
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7497.8	0.0	7497.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7497.8	0.0	7497.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14995.6	0.0	14995.6
	% 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°	1383.0	9.2
30°-40°	2226.6	14.8
40°-50°	3060.4	20.4
50°-60°	4078.3	27.2
60°-70°	2541.8	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°	14995.6	100.0
0°-180°	14995.6	100.0

Coefficient of Utilization



REPORT NUMBER: P639230

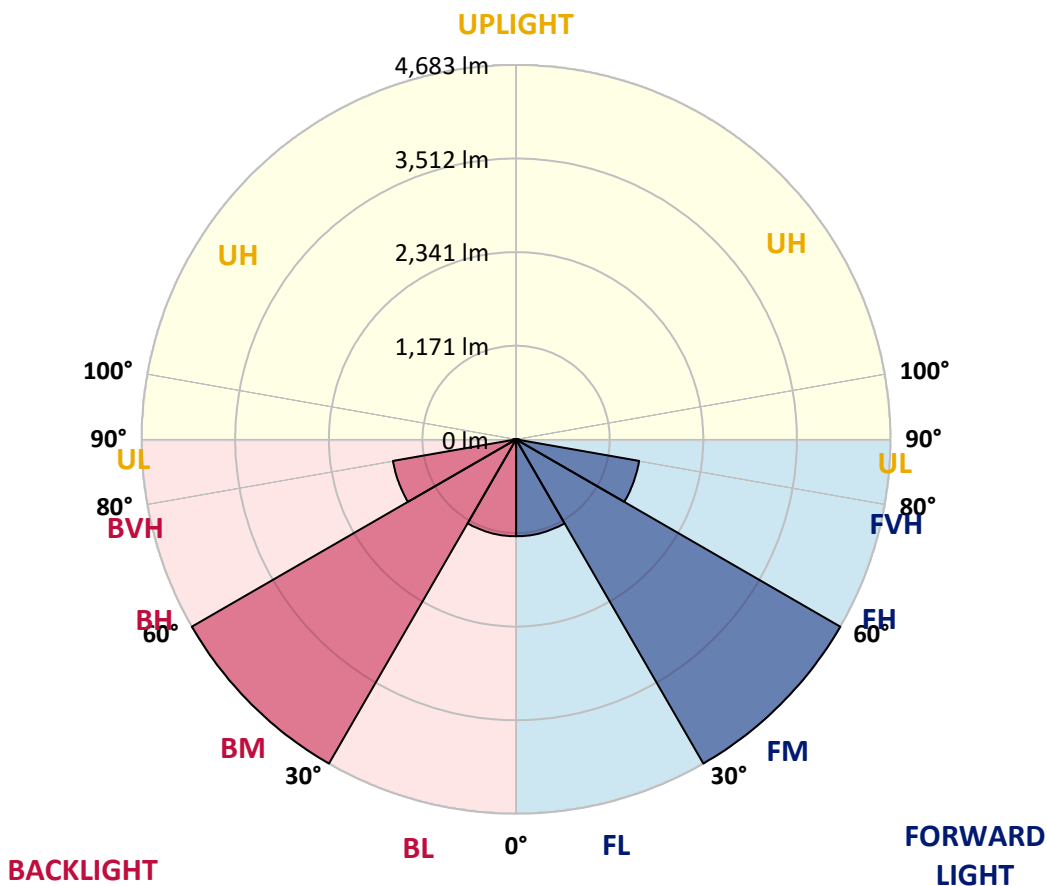
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1212.3	8.1			
FM (30°-60°)	4682.7	31.2			
FH (60°-80°)	1563.2	10.4			G1/1800
FVH (80°-90°)	39.7	0.3			G1/100
BL (0°-30°)	1212.3	8.1	B3/2500		
BM (30°-60°)	4682.7	31.2	B3/5000		
BH (60°-80°)	1563.2	10.4	B3/2500		G1/1800
BVH (80°-90°)	39.7	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°	2740.4	2740.4	2740.4	2740.4	2740.4	2740.4	2740.4	2740.4	2740.4	2740.4	2740.4
2.5°	2721.3	2723.9	2729.0	2732.8	2737.9	2743.0	2745.5	2740.4	2737.9	2727.7	2739.2
5°	2723.9	2726.4	2730.2	2730.2	2731.5	2735.3	2735.3	2729.0	2722.6	2711.1	2723.9
7.5°	2720.1	2722.6	2723.9	2722.6	2723.9	2725.2	2722.6	2715.0	2708.6	2698.4	2708.6
10°	2713.7	2716.2	2718.8	2716.2	2713.7	2717.5	2717.5	2712.4	2708.6	2698.4	2709.9
12.5°	2727.7	2731.5	2732.8	2726.4	2723.9	2725.2	2725.2	2720.1	2720.1	2711.1	2723.9
15°	2760.8	2763.3	2759.5	2751.9	2753.2	2757.0	2748.1	2735.3	2732.8	2729.0	2739.2
17.5°	2786.2	2788.8	2785.0	2779.9	2788.8	2797.7	2781.2	2757.0	2749.3	2746.8	2758.2
20°	2814.2	2818.1	2813.0	2819.3	2837.2	2847.3	2827.0	2793.9	2778.6	2774.8	2788.8
22.5°	2860.1	2865.2	2865.2	2879.2	2905.9	2922.4	2897.0	2852.4	2829.5	2823.2	2837.2
25°	2932.6	2936.4	2940.3	2968.3	3011.5	3034.5	2993.7	2932.6	2900.8	2890.6	2898.3
27.5°	3033.2	3039.5	3045.9	3086.6	3140.1	3173.2	3114.6	3038.3	2998.8	2978.4	2993.7
30°	3152.8	3161.7	3177.0	3222.8	3297.9	3334.8	3259.7	3166.8	3122.3	3100.6	3121.0
32.5°	3315.7	3317.0	3328.5	3379.4	3478.7	3520.7	3426.5	3323.4	3277.6	3252.1	3263.6
35°	3509.2	3510.5	3492.7	3544.9	3651.8	3698.9	3588.1	3483.8	3445.6	3437.9	3467.2
37.5°	3707.8	3696.3	3678.5	3701.4	3809.6	3840.2	3723.1	3634.0	3617.4	3631.4	3674.7
40°	3849.1	3830.0	3794.3	3810.9	3920.3	3956.0	3831.2	3747.2	3742.1	3776.5	3828.7
42.5°	3940.7	3920.3	3878.3	3878.3	3953.4	3968.7	3872.0	3827.4	3838.9	3878.3	3928.0
45°	3985.3	3973.8	3949.6	3936.9	3978.9	3985.3	3911.4	3893.6	3915.3	3934.3	3972.5
47.5°	4019.6	4019.6	4012.0	3999.3	4018.4	4022.2	3967.4	3962.4	3990.4	3990.4	4015.8
50°	4080.7	4087.1	4097.3	4094.7	4115.1	4127.8	4087.1	4079.5	4090.9	4054.0	4066.7
52.5°	4241.1	4257.6	4286.9	4309.8	4362.0	4401.5	4328.9	4267.8	4208.0	4126.5	4129.1
55°	4528.8	4536.4	4593.7	4661.1	4749.0	4829.2	4680.2	4490.6	4360.7	4265.3	4266.6
57.5°	4771.9	4783.3	4867.3	5008.6	5205.9	5330.7	5001.0	4684.1	4500.8	4383.7	4387.5
60°	4561.9	4546.6	4705.7	4947.5	5305.2	5464.3	4978.1	4545.3	4281.8	4136.7	4146.9
62.5°	3529.6	3500.3	3677.2	3930.5	4359.5	4518.6	4070.5	3655.6	3406.1	3292.8	3276.3
65°	2148.6	2121.8	2249.1	2404.4	2694.6	2795.2	2590.2	2370.0	2152.4	2083.6	2064.5
67.5°	1169.7	1165.9	1200.3	1276.7	1403.9	1451.0	1411.6	1307.2	1251.2	1202.8	1202.8
70°	927.9	920.3	913.9	915.2	926.6	933.0	934.3	929.2	935.5	936.8	931.7
72.5°	768.8	766.2	753.5	754.8	749.7	747.2	756.1	761.2	771.3	772.6	772.6
75°	557.5	551.1	557.5	558.8	553.7	553.7	560.0	558.8	563.9	566.4	552.4
77.5°	316.9	316.9	325.8	336.0	343.7	343.7	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	100.6	103.1	106.9	114.6	120.9	127.3	128.6	132.4	132.4	128.6
85°	47.1	45.8	47.1	49.6	53.5	58.6	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)