

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: P639285

Luminaire Tested: GWS-SA5B-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639285
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15339.2 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

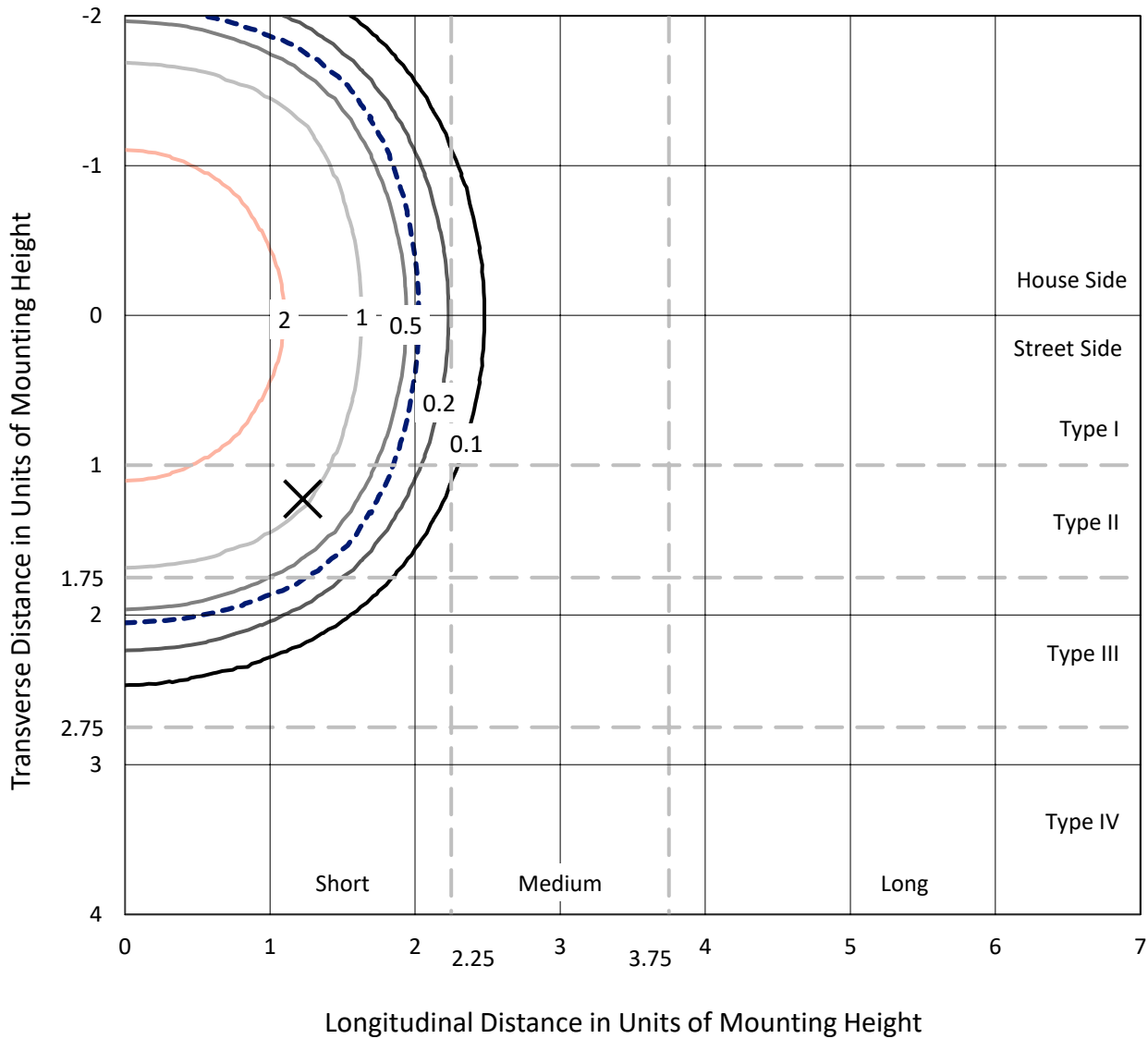
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639285
 CATALOG NUMBER: GWS-SA5B-750-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

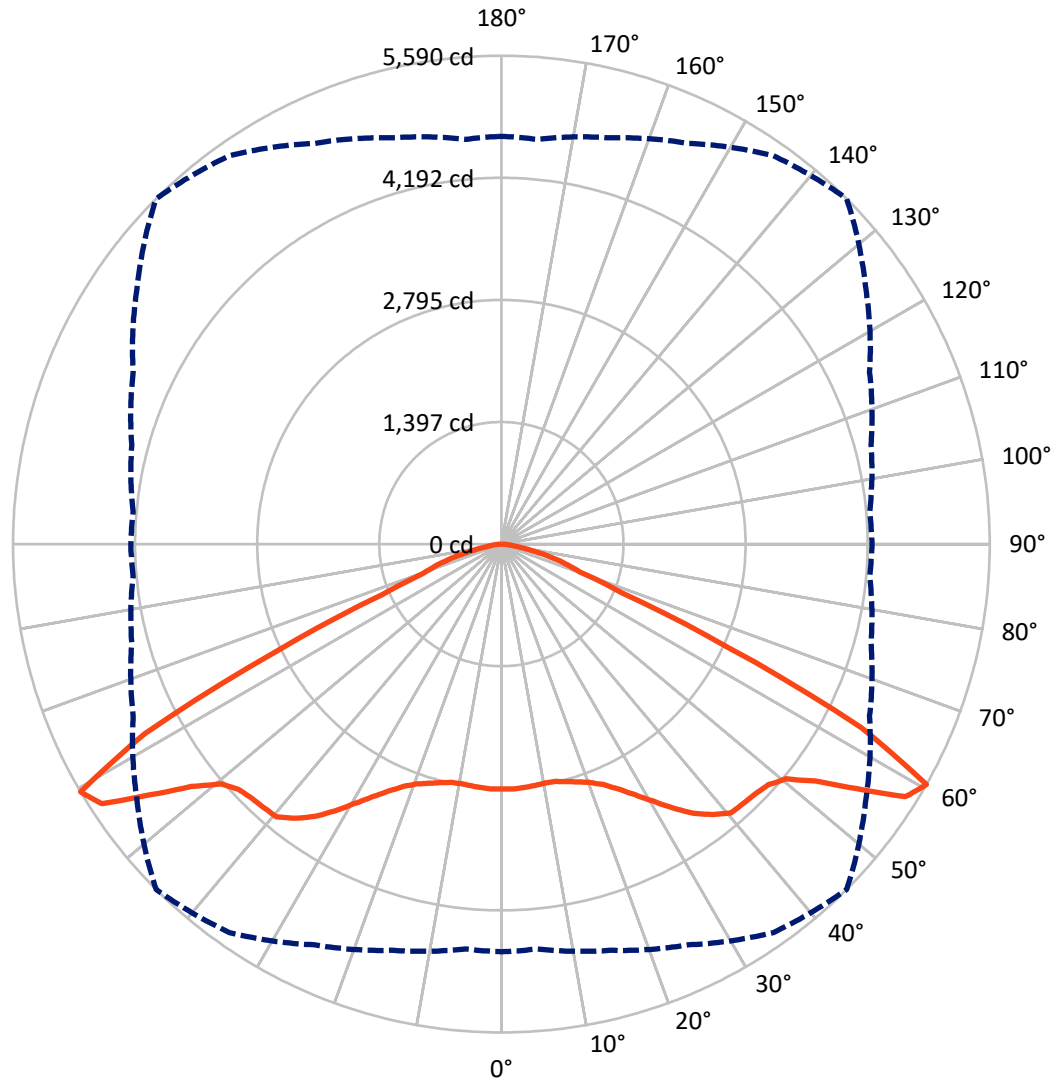
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

REPORT NUMBER: P639285
CATALOG NUMBER: GWS-SA5B-750-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639285

CATALOG NUMBER: GWS-SA5B-750-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7669.6	0.0	7669.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7669.6	0.0	7669.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15339.2	0.0	15339.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	1.7
10°-20°	799.6	5.2
20°-30°	1414.7	9.2
30°-40°	2277.6	14.8
40°-50°	3130.6	20.4
50°-60°	4171.8	27.2
60°-70°	2600.1	17.0
70°-80°	597.9	3.9
80°-90°	81.1	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°	15339.2	100.0
0°-180°	15339.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639285

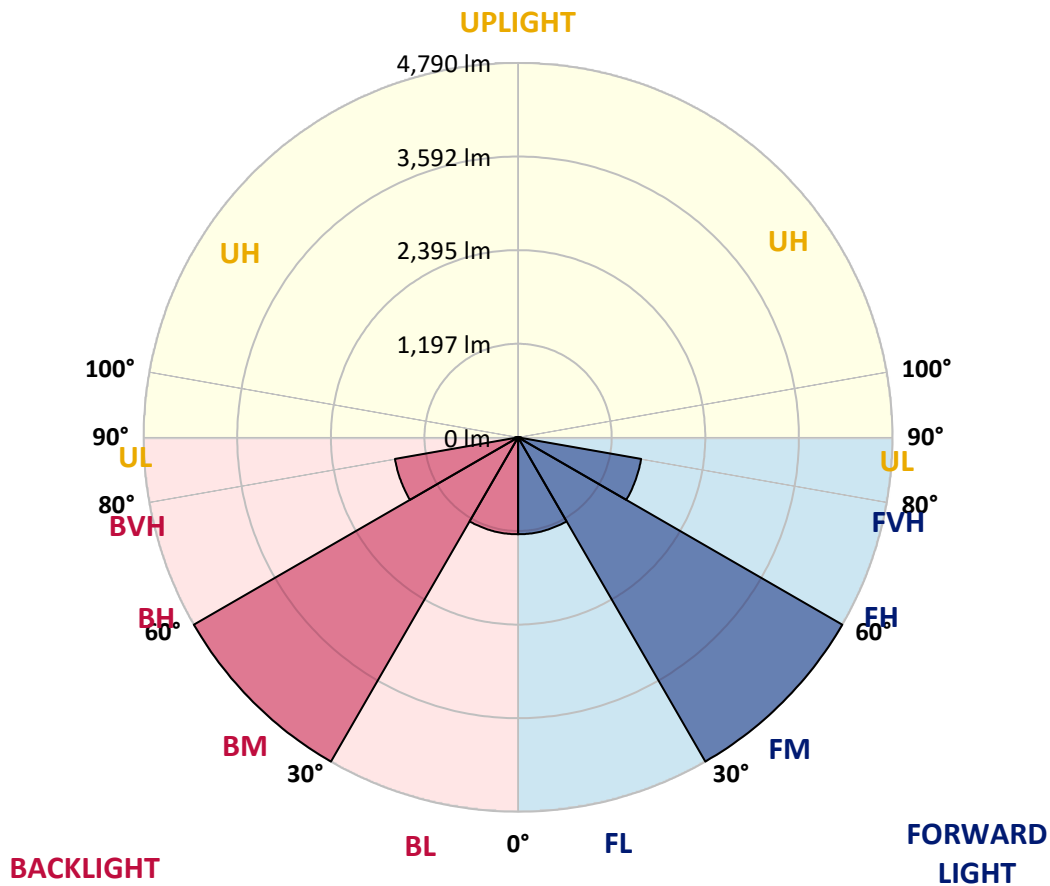
CATALOG NUMBER: GWS-SA5B-750-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1240.1	8.1			
FM (30°-60°)	4790.0	31.2			
FH (60°-80°)	1599.0	10.4			G1/1800
FVH (80°-90°)	40.6	0.3			G1/100
BL (0°-30°)	1240.1	8.1	B3/2500		
BM (30°-60°)	4790.0	31.2	B3/5000		
BH (60°-80°)	1599.0	10.4	B3/2500		G1/1800
BVH (80°-90°)	40.6	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





REPORT NUMBER: P639285

CATALOG NUMBER: GWS-SA5B-750-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2803.2	2803.2	2803.2	2803.2	2803.2	2803.2	2803.2	2803.2	2803.2	2803.2	2803.2
2.5°	2783.7	2786.3	2791.5	2795.4	2800.6	2805.8	2808.4	2803.2	2800.6	2790.2	2801.9
5°	2786.3	2788.9	2792.8	2792.8	2794.1	2798.0	2798.0	2791.5	2785.0	2773.3	2786.3
7.5°	2782.4	2785.0	2786.3	2785.0	2786.3	2787.6	2785.0	2777.2	2770.7	2760.3	2770.7
10°	2775.9	2778.5	2781.1	2778.5	2775.9	2779.8	2779.8	2774.6	2770.7	2760.3	2772.0
12.5°	2790.2	2794.1	2795.4	2788.9	2786.3	2787.6	2787.6	2782.4	2782.4	2773.3	2786.3
15°	2824.0	2826.7	2822.7	2814.9	2816.2	2820.1	2811.0	2798.0	2795.4	2791.5	2801.9
17.5°	2850.1	2852.7	2848.8	2843.6	2852.7	2861.8	2844.9	2820.1	2812.3	2809.7	2821.4
20°	2878.7	2882.6	2877.4	2883.9	2902.2	2912.6	2891.8	2857.9	2842.3	2838.4	2852.7
22.5°	2925.6	2930.8	2930.8	2945.1	2972.5	2989.4	2963.4	2917.8	2894.4	2887.8	2902.2
25°	2999.8	3003.7	3007.6	3036.3	3080.5	3104.0	3062.3	2999.8	2967.3	2956.9	2964.7
27.5°	3102.7	3109.2	3115.7	3157.4	3212.0	3245.9	3186.0	3107.9	3067.5	3046.7	3062.3
30°	3225.1	3234.2	3249.8	3296.7	3373.5	3411.3	3334.4	3239.4	3193.8	3171.7	3192.5
32.5°	3391.7	3393.0	3404.7	3456.8	3558.4	3601.3	3505.0	3399.5	3352.7	3326.6	3338.3
35°	3589.6	3590.9	3572.7	3626.1	3735.5	3783.6	3670.4	3563.6	3524.5	3516.7	3546.7
37.5°	3792.7	3781.0	3762.8	3786.2	3896.9	3928.1	3808.4	3717.2	3700.3	3714.6	3758.9
40°	3937.3	3917.7	3881.3	3898.2	4010.2	4046.6	3919.0	3833.1	3827.9	3863.0	3916.4
42.5°	4031.0	4010.2	3967.2	3967.2	4044.0	4059.7	3960.7	3915.1	3926.8	3967.2	4018.0
45°	4076.6	4064.9	4040.1	4027.1	4070.1	4076.6	4001.1	3982.8	4005.0	4024.5	4063.6
47.5°	4111.7	4111.7	4103.9	4090.9	4110.4	4114.3	4058.3	4053.1	4081.8	4081.8	4107.8
50°	4174.2	4180.7	4191.2	4188.6	4209.4	4222.4	4180.7	4172.9	4184.6	4146.9	4159.9
52.5°	4338.3	4355.2	4385.2	4408.6	4462.0	4502.3	4428.1	4365.6	4304.4	4221.1	4223.7
55°	4632.5	4640.3	4698.9	4767.9	4857.8	4939.8	4787.5	4593.5	4460.7	4363.0	4364.3
57.5°	4881.2	4892.9	4978.9	5123.4	5325.2	5452.8	5115.6	4791.4	4603.9	4484.1	4488.0
60°	4666.4	4650.8	4813.5	5060.9	5426.8	5589.5	5092.1	4649.5	4379.9	4231.5	4241.9
62.5°	3610.5	3580.5	3761.5	4020.6	4459.4	4622.1	4163.8	3739.4	3484.2	3368.3	3351.4
65°	2197.8	2170.4	2300.6	2459.5	2756.3	2859.2	2649.6	2424.3	2201.7	2131.4	2111.9
67.5°	1196.5	1192.6	1227.8	1305.9	1436.1	1484.3	1443.9	1337.2	1279.9	1230.4	1230.4
70°	949.2	941.3	934.8	936.1	947.9	954.4	955.7	950.5	957.0	958.3	953.1
72.5°	786.4	783.8	770.8	772.1	766.9	764.3	773.4	778.6	789.0	790.3	790.3
75°	570.3	563.8	570.3	571.6	566.4	566.4	572.9	571.6	576.8	579.4	565.1
77.5°	324.2	324.2	333.3	343.7	351.5	351.5	358.1	358.1	364.6	363.3	360.7
80°	178.4	178.4	183.6	190.1	197.9	205.7	212.2	213.5	217.4	216.1	212.2
82.5°	101.6	102.9	105.5	109.4	117.2	123.7	130.2	131.5	135.4	135.4	131.5
85°	48.2	46.9	48.2	50.8	54.7	59.9	66.4	70.3	72.9	72.9	70.3
87.5°	9.1	10.4	9.1	10.4	11.7	15.6	18.2	20.8	24.7	26.0	23.4
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)