

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: P636804

Luminaire Tested: GWS-SA4B-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-750-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12963.9 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

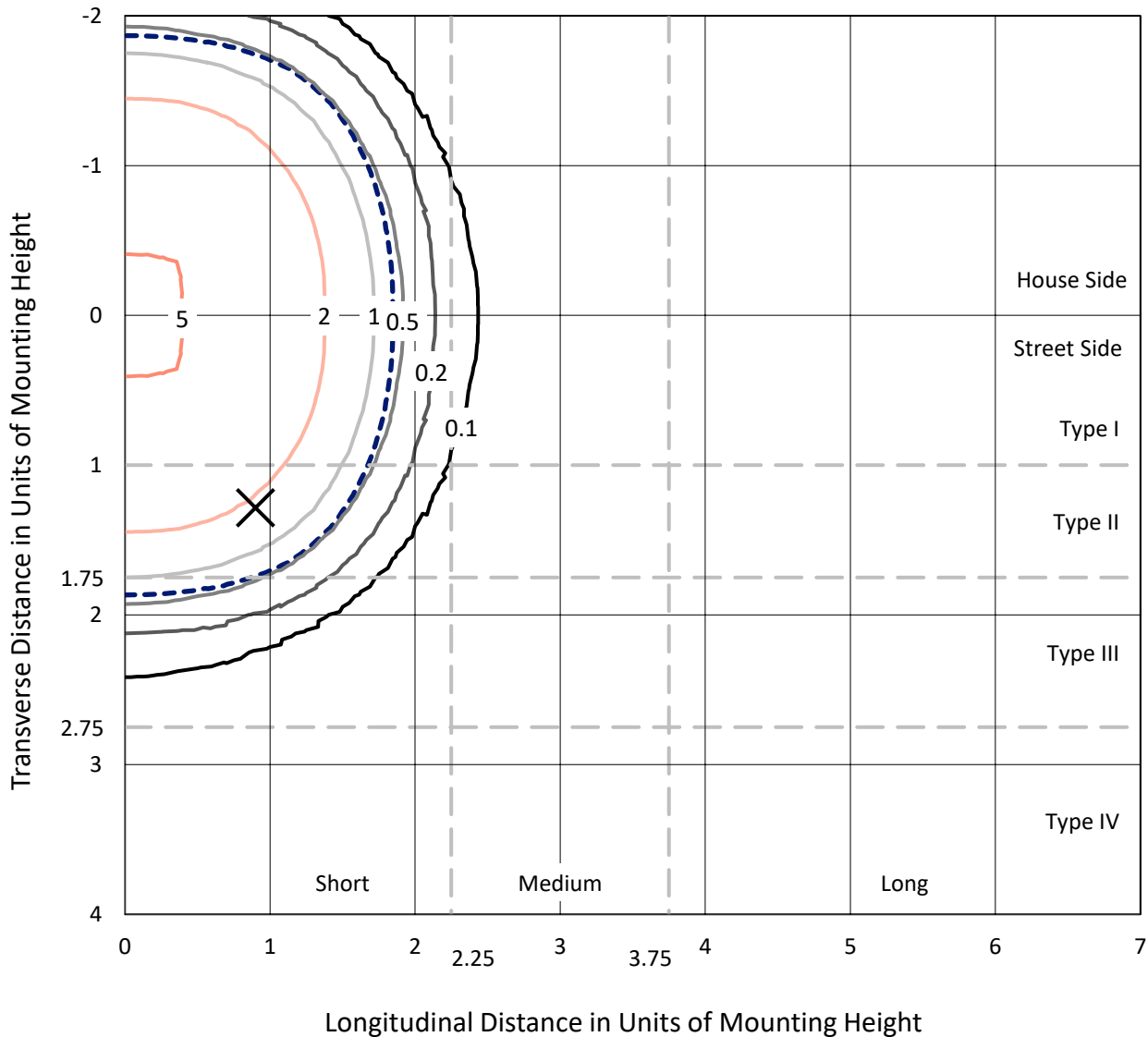
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

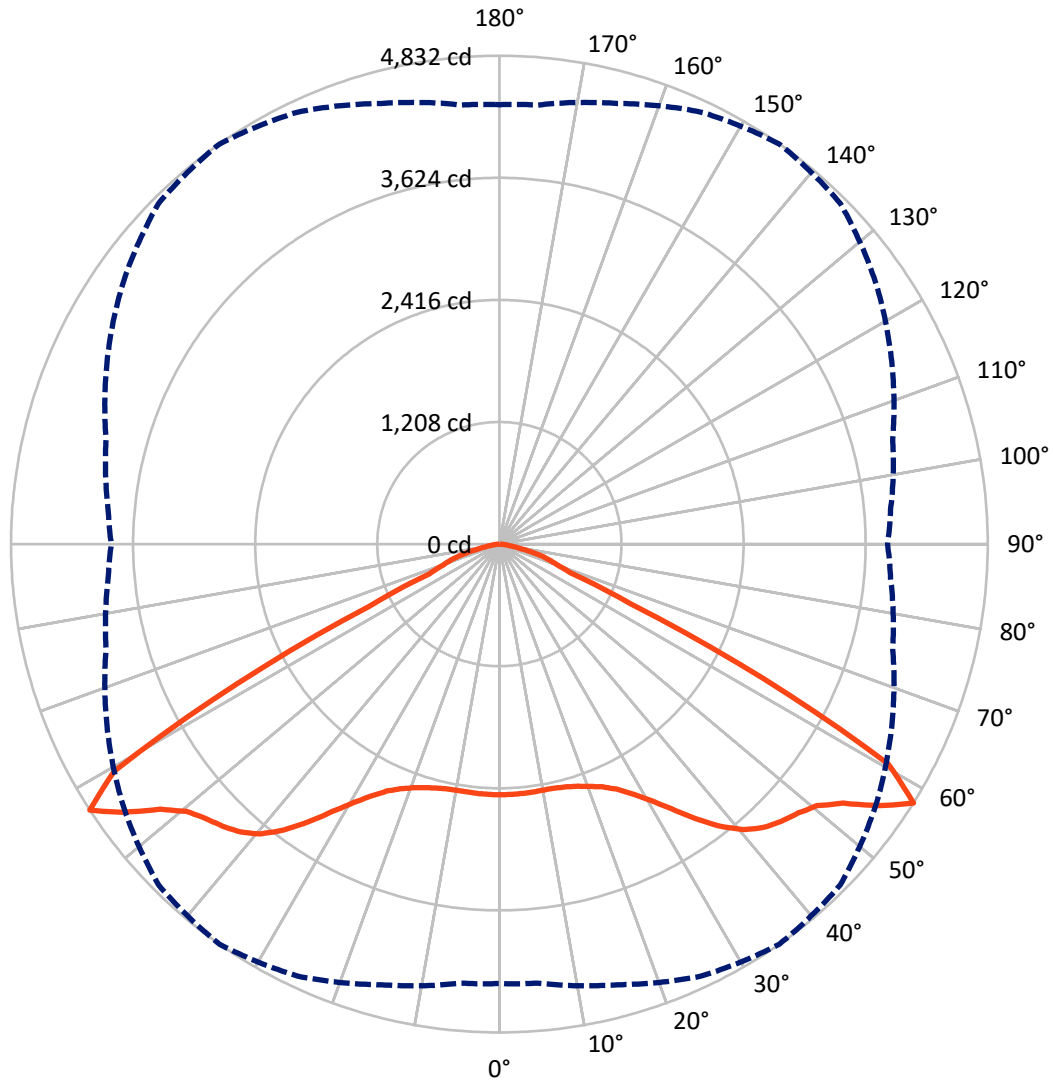
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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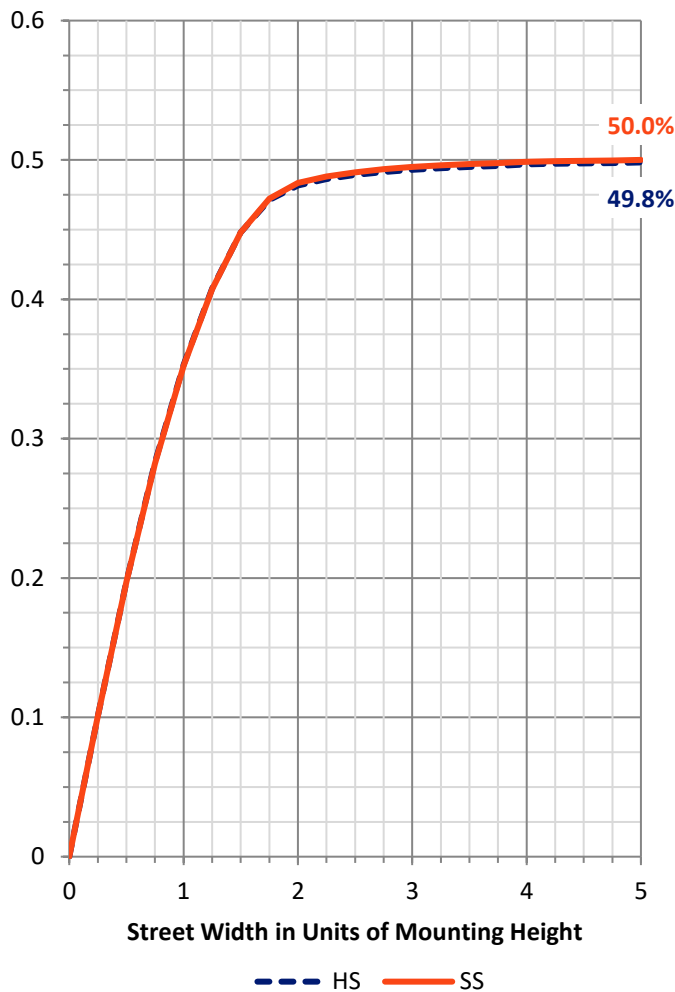
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6482.0	0.0	6482.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6482.0	0.0	6482.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12963.9	0.0	12963.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	1.8
10°-20°	704.0	5.4
20°-30°	1228.4	9.5
30°-40°	2014.3	15.5
40°-50°	2966.6	22.9
50°-60°	3785.9	29.2
60°-70°	1595.6	12.3
70°-80°	381.1	2.9
80°-90°	51.9	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°	12963.9	100.0
0°-180°	12963.9	100.0

Coefficient of Utilization



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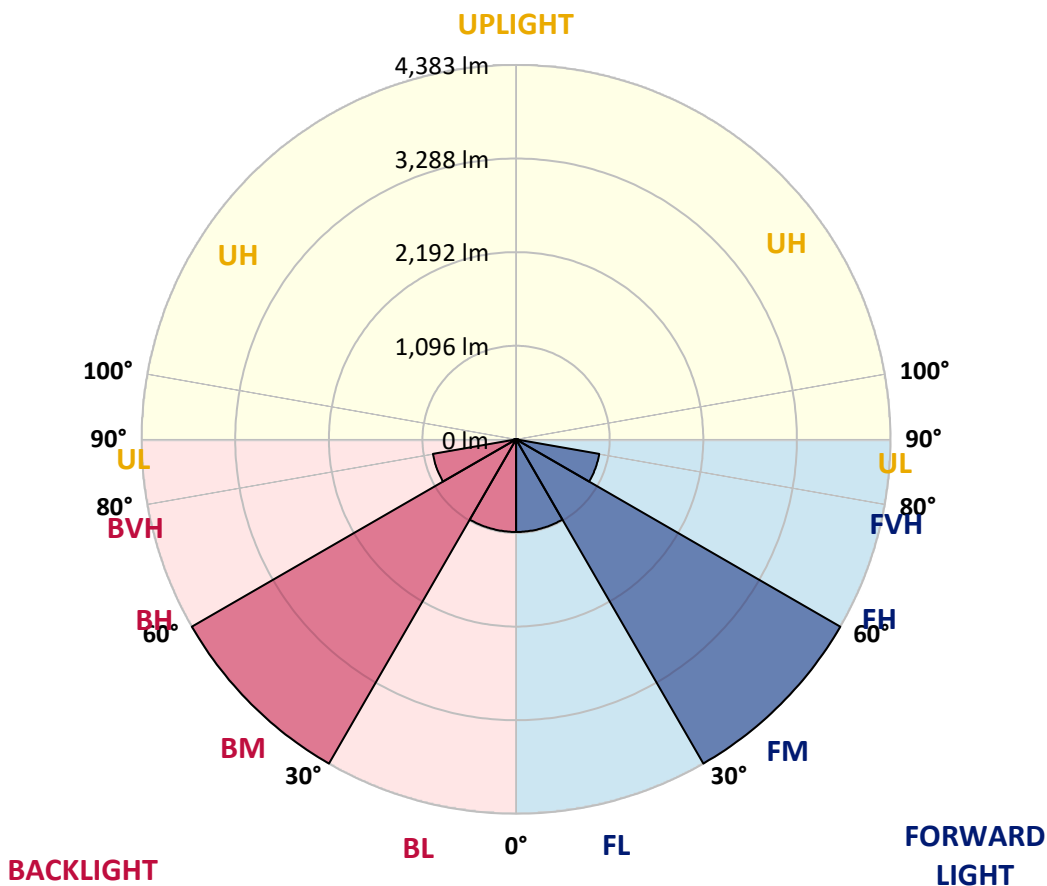
CATALOG NUMBER: GWS-SA4B-750-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1084.2	8.4			
FM (30°-60°)	4383.5	33.8			
FH (60°-80°)	988.4	7.6			G1/1800
FVH (80°-90°)	25.9	0.2			G1/100
BL (0°-30°)	1084.2	8.4	B3/2500		
BM (30°-60°)	4383.5	33.8	B3/5000		
BH (60°-80°)	988.4	7.6	B2/1000		G1/1800
BVH (80°-90°)	25.9	0.2			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°	2480.5	2480.5	2480.5	2480.5	2480.5	2480.5	2480.5	2480.5	2480.5	2480.5	2480.5
2.5°	2465.6	2465.6	2470.9	2476.2	2478.4	2487.9	2486.9	2483.7	2481.6	2475.2	2483.7
5°	2470.9	2470.9	2475.2	2478.4	2477.3	2484.7	2481.6	2476.2	2473.1	2466.7	2476.2
7.5°	2469.9	2469.9	2473.1	2476.2	2474.1	2480.5	2475.2	2467.8	2462.5	2456.1	2464.6
10°	2456.1	2458.2	2461.4	2468.8	2472.0	2481.6	2474.1	2462.5	2454.0	2446.5	2455.0
12.5°	2454.0	2456.1	2460.3	2469.9	2475.2	2489.0	2479.4	2460.3	2447.6	2438.0	2446.5
15°	2463.5	2465.6	2472.0	2483.7	2492.2	2507.0	2493.2	2466.7	2448.7	2435.9	2443.3
17.5°	2475.2	2478.4	2487.9	2504.9	2518.7	2534.6	2517.6	2485.8	2460.3	2443.3	2449.7
20°	2487.9	2492.2	2507.0	2532.5	2558.0	2578.1	2556.9	2514.5	2483.7	2461.4	2467.8
22.5°	2510.2	2515.5	2534.6	2570.7	2608.9	2638.6	2612.1	2554.8	2514.5	2485.8	2491.1
25°	2555.9	2562.2	2586.6	2630.2	2684.3	2720.4	2683.2	2618.5	2562.2	2527.2	2532.5
27.5°	2636.5	2639.7	2671.5	2728.9	2795.7	2837.1	2792.5	2716.1	2653.5	2613.2	2617.4
30°	2742.7	2752.2	2784.1	2859.4	2939.0	2994.2	2935.8	2845.6	2773.4	2724.6	2728.9
32.5°	2872.2	2878.5	2926.3	3004.8	3119.5	3183.1	3103.5	2996.3	2909.3	2849.9	2854.1
35°	3042.0	3047.3	3092.9	3192.7	3331.7	3391.2	3299.9	3176.8	3075.9	3019.7	3035.6
37.5°	3244.7	3254.3	3287.2	3385.9	3540.8	3599.2	3494.1	3379.5	3274.4	3222.4	3234.1
40°	3462.3	3461.2	3487.8	3574.8	3716.0	3752.1	3657.6	3566.3	3476.1	3442.1	3461.2
42.5°	3649.1	3643.8	3662.9	3735.1	3832.7	3835.9	3773.3	3722.3	3658.6	3635.3	3653.3
45°	3779.6	3781.8	3810.4	3860.3	3910.2	3883.7	3864.6	3856.1	3806.2	3774.3	3777.5
47.5°	3882.6	3891.1	3936.7	3970.7	3977.1	3932.5	3959.0	3971.8	3930.4	3881.5	3867.7
50°	3973.9	3987.7	4047.1	4083.2	4069.4	4013.2	4065.2	4084.3	3993.0	3899.6	3872.0
52.5°	4139.5	4155.4	4227.6	4274.3	4258.3	4202.1	4250.9	4183.0	4029.1	3914.4	3879.4
55°	4403.8	4411.2	4499.3	4575.7	4568.3	4499.3	4460.0	4309.3	4122.5	4003.6	3970.7
57.5°	4347.5	4360.2	4513.1	4716.9	4831.5	4768.9	4538.6	4281.7	4028.0	3884.7	3840.1
60°	3420.9	3451.7	3641.7	4000.4	4420.7	4419.7	3991.9	3592.8	3287.2	3097.2	3078.1
62.5°	1997.6	2018.8	2191.8	2554.8	2931.6	2954.9	2654.6	2380.7	2113.2	1984.8	1923.3
65°	945.7	944.6	1013.6	1177.1	1431.8	1452.0	1361.8	1212.1	1054.0	1010.5	998.8
67.5°	698.4	698.4	693.1	704.8	753.6	764.2	753.6	729.2	714.3	723.9	717.5
70°	606.1	607.1	600.8	597.6	597.6	594.4	598.6	608.2	614.6	627.3	620.9
72.5°	491.4	492.5	492.5	493.6	494.6	490.4	496.7	502.0	503.1	507.3	503.1
75°	349.2	351.3	357.7	363.0	367.2	367.2	369.4	370.4	366.2	371.5	363.0
77.5°	192.1	194.2	205.9	215.5	225.0	226.1	229.3	231.4	229.3	233.5	227.1
80°	106.1	108.3	113.6	117.8	125.2	131.6	135.9	138.0	138.0	141.2	138.0
82.5°	60.5	62.6	65.8	67.9	74.3	79.6	83.9	87.0	87.0	88.1	86.0
85°	28.7	28.7	30.8	32.9	36.1	38.2	43.5	46.7	46.7	48.8	46.7
87.5°	4.2	5.3	6.4	6.4	8.5	10.6	12.7	13.8	15.9	17.0	17.0
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)