

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: P641811

Luminaire Tested: GWS-SA6B-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15031.3 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

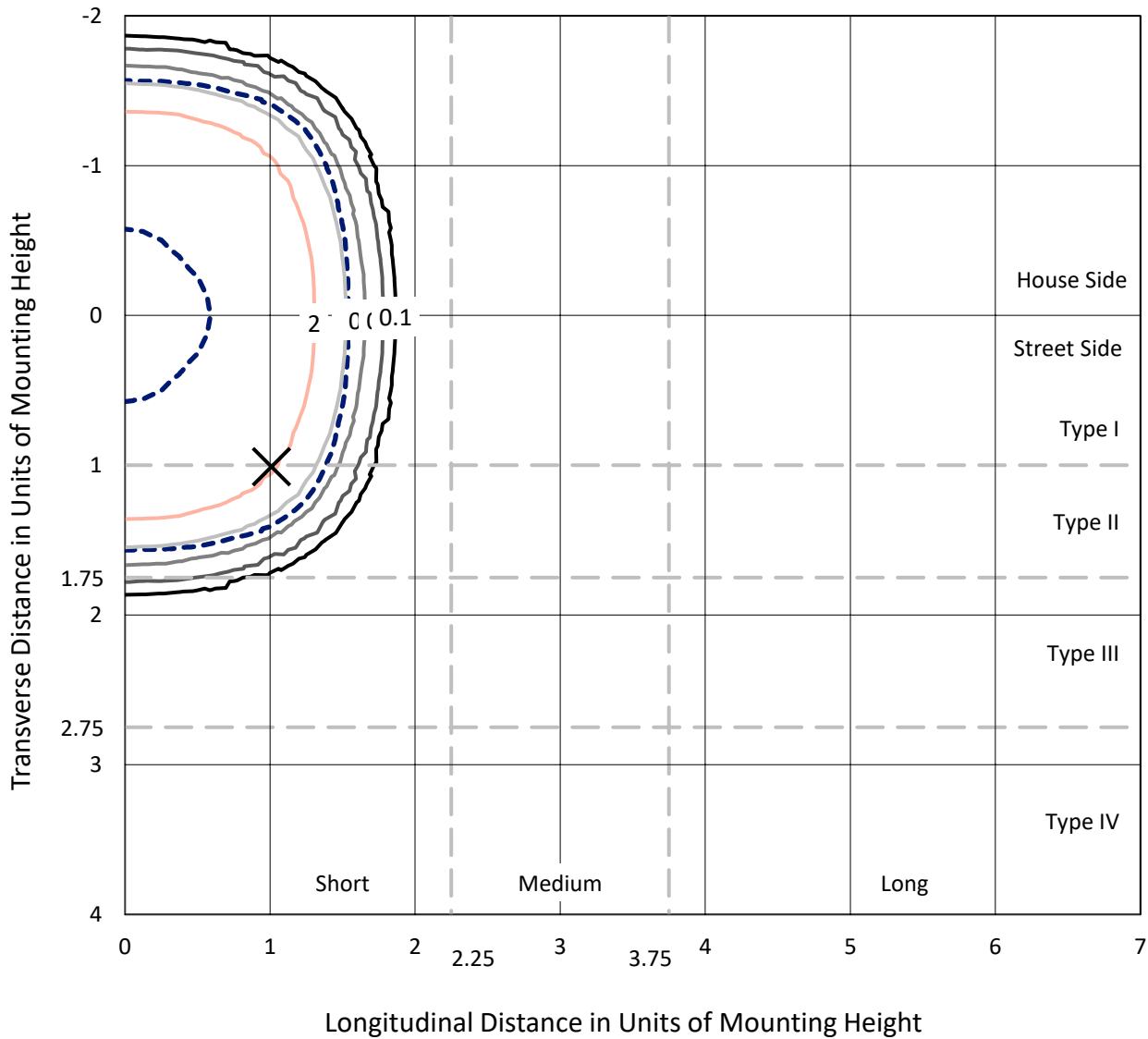
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

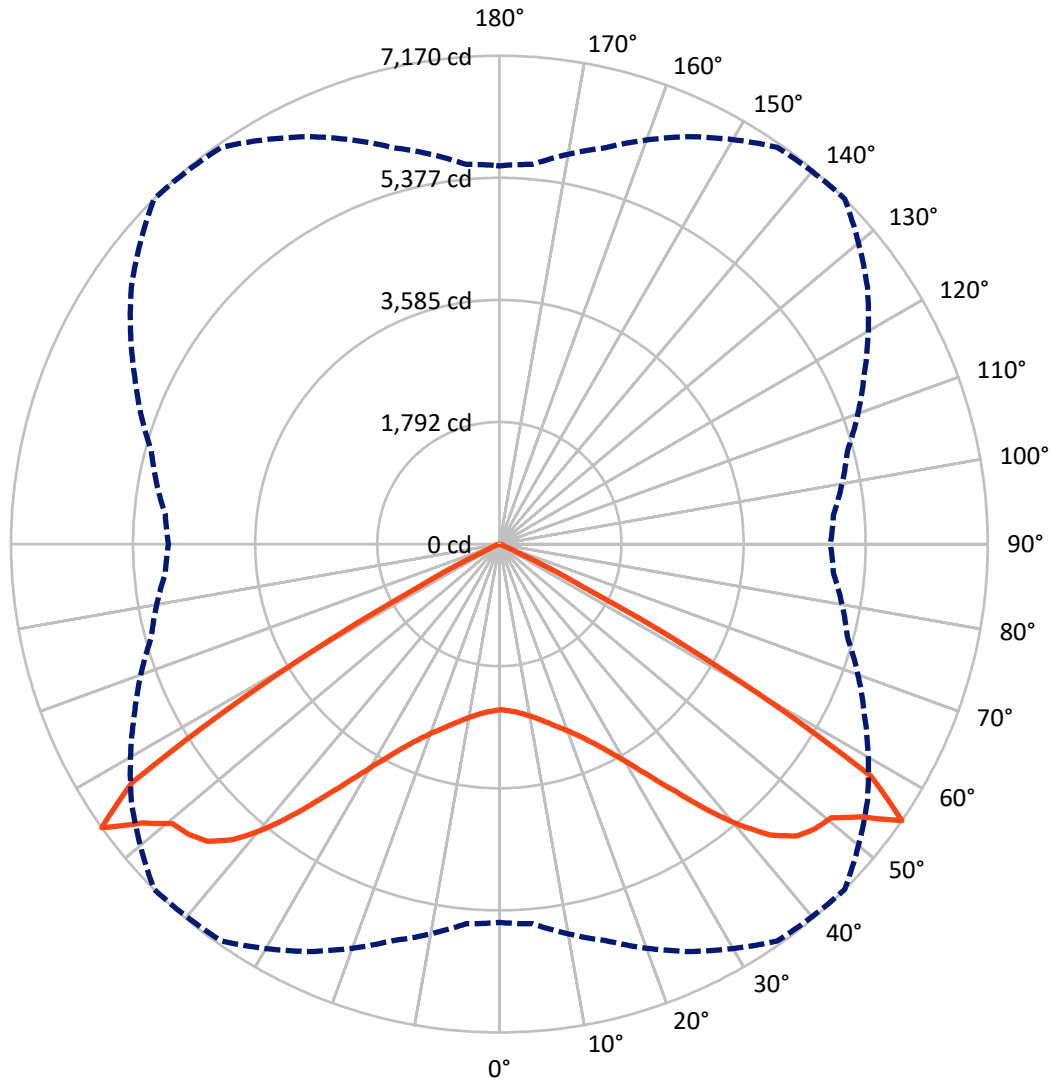
✕ Max cd
 - - - 1/2 Max cd



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 55-Deg Vertical

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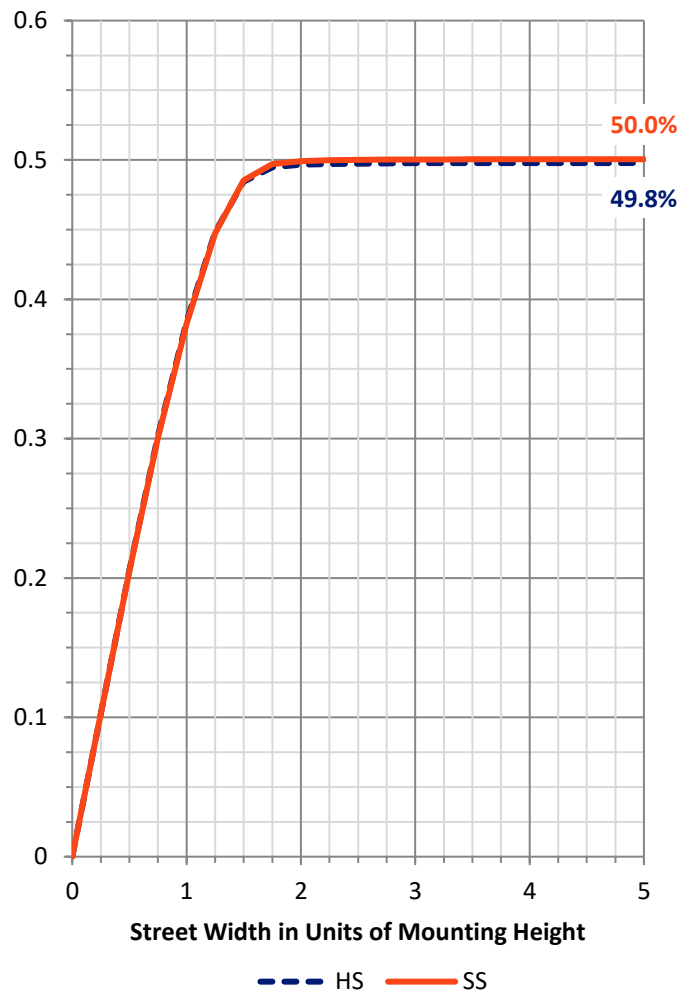
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7515.6	0.0	7515.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7515.6	0.0	7515.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15031.3	0.0	15031.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.1	1.6
10°-20°	771.8	5.1
20°-30°	1494.8	9.9
30°-40°	2678.0	17.8
40°-50°	4489.9	29.9
50°-60°	4806.2	32.0
60°-70°	528.1	3.5
70°-80°	23.3	0.2
80°-90°	1.1	0.0
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°	15031.3	100.0
0°-180°	15031.3	100.0

Coefficient of Utilization



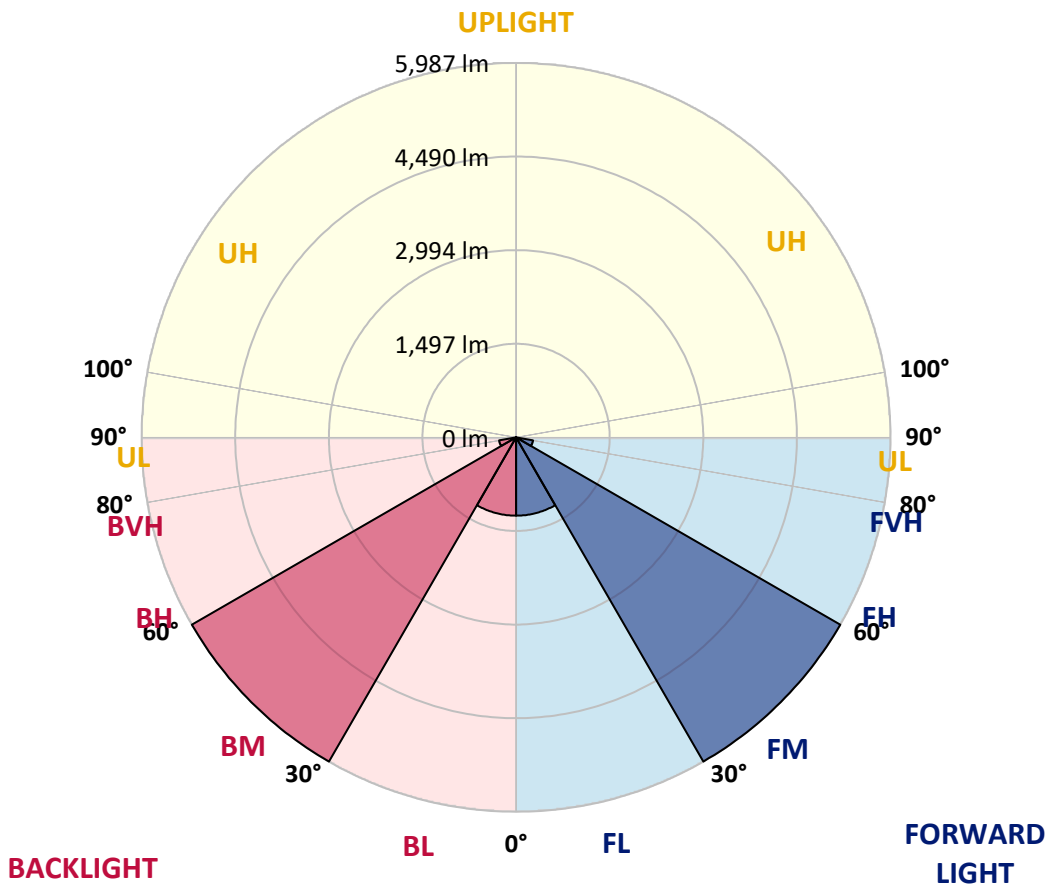
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1252.4	8.3			
FM (30°-60°)	5987.0	39.8			
FH (60°-80°)	275.7	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1252.4	8.3	B3/2500		
BM (30°-60°)	5987.0	39.8	B4/8500		
BH (60°-80°)	275.7	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2430.3	2430.3	2430.3	2430.3	2430.3	2430.3	2430.3	2430.3	2430.3	2430.3	2430.3
2.5°	2425.7	2425.7	2431.8	2436.4	2436.4	2448.6	2444.1	2439.5	2439.5	2433.3	2445.6
5°	2460.9	2459.4	2465.5	2468.6	2462.4	2474.7	2467.0	2462.4	2459.4	2453.2	2465.5
7.5°	2499.2	2500.7	2502.2	2508.4	2505.3	2517.6	2511.4	2502.2	2499.2	2490.0	2502.2
10°	2545.1	2545.1	2548.2	2555.8	2557.4	2572.7	2566.6	2555.8	2546.7	2537.5	2549.7
12.5°	2603.3	2604.8	2609.4	2620.2	2626.3	2643.1	2633.9	2612.5	2598.7	2588.0	2601.8
15°	2687.5	2686.0	2692.1	2707.4	2715.1	2727.4	2713.6	2684.5	2667.6	2655.4	2664.6
17.5°	2779.4	2779.4	2782.5	2797.8	2808.5	2826.9	2810.0	2774.8	2759.5	2742.7	2751.9
20°	2880.5	2885.1	2888.1	2898.9	2917.2	2935.6	2921.8	2886.6	2869.8	2848.3	2859.1
22.5°	3013.7	3009.1	3010.7	3029.0	3055.1	3073.4	3062.7	3021.4	2992.3	2975.4	2981.6
25°	3162.3	3160.7	3165.3	3192.9	3222.0	3241.9	3226.6	3173.0	3143.9	3114.8	3127.0
27.5°	3344.5	3346.0	3349.1	3382.8	3428.7	3457.8	3419.5	3365.9	3326.1	3287.8	3297.0
30°	3560.4	3557.4	3566.5	3612.5	3679.9	3725.8	3681.4	3606.4	3549.7	3512.9	3517.5
32.5°	3790.1	3793.2	3817.7	3891.2	3980.0	4061.2	3970.8	3871.3	3797.8	3728.9	3738.1
35°	4038.2	4045.9	4101.0	4209.7	4355.2	4463.9	4338.3	4174.5	4070.4	3981.5	3984.6
37.5°	4330.7	4349.1	4425.6	4588.0	4796.2	4941.7	4757.9	4540.5	4405.7	4295.5	4287.8
40°	4715.1	4736.5	4840.6	5033.6	5286.3	5419.5	5206.6	4983.1	4816.1	4696.7	4678.3
42.5°	5156.1	5183.7	5297.0	5494.5	5747.2	5837.6	5629.3	5440.9	5290.9	5150.0	5143.8
45°	5653.8	5669.1	5761.0	5912.6	6094.8	6116.3	5960.1	5855.9	5704.3	5572.6	5561.9
47.5°	6120.9	6136.2	6199.0	6277.1	6319.9	6243.4	6215.8	6169.9	5973.8	5811.5	5777.8
50°	6476.1	6488.4	6566.5	6597.1	6477.7	6315.3	6368.9	6270.9	6058.1	5875.8	5823.8
52.5°	6451.6	6482.3	6682.9	6857.4	6782.4	6650.7	6506.8	6295.4	5964.7	5715.0	5650.7
55°	5554.2	5595.6	6025.9	6600.2	7113.2	7169.8	6594.0	5912.6	5290.9	4924.9	4859.0
57.5°	3569.6	3580.3	4105.6	4911.1	6067.3	6431.7	5468.5	4457.8	3684.5	3281.7	3254.1
60°	1312.4	1290.9	1687.6	2355.2	3494.6	3880.5	3218.9	2254.2	1607.9	1323.1	1300.1
62.5°	315.5	318.5	395.1	592.6	1096.5	1356.8	1072.0	598.8	381.3	320.1	317.0
65°	159.3	156.2	157.7	170.0	234.3	280.2	229.7	162.3	156.2	157.7	156.2
67.5°	102.6	101.1	104.1	105.7	104.1	98.0	96.5	99.5	99.5	101.1	98.0
70°	62.8	61.3	64.3	68.9	65.8	58.2	61.3	64.3	61.3	59.7	59.7
72.5°	33.7	33.7	36.8	39.8	36.8	33.7	33.7	35.2	33.7	33.7	33.7
75°	15.3	15.3	16.8	18.4	15.3	15.3	15.3	15.3	15.3	15.3	15.3
77.5°	4.6	4.6	6.1	6.1	4.6	4.6	4.6	4.6	6.1	6.1	6.1
80°	1.5	3.1	3.1	1.5	1.5	1.5	1.5	1.5	3.1	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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)