

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: P639340

Luminaire Tested: GWS-SA5B-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639340  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

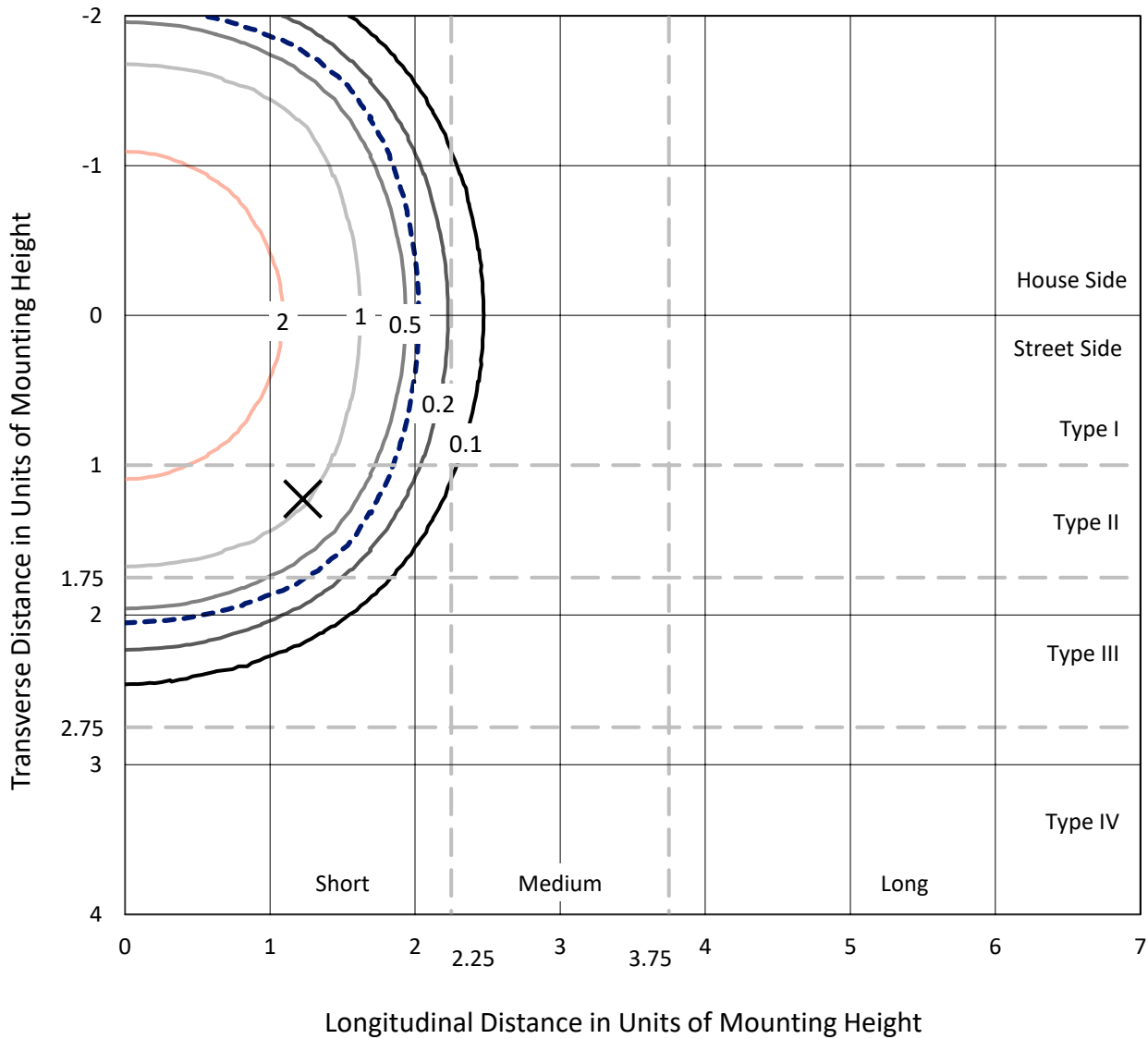
Lumens per Lamp: N/A  
Luminaire Lumens: 15129 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

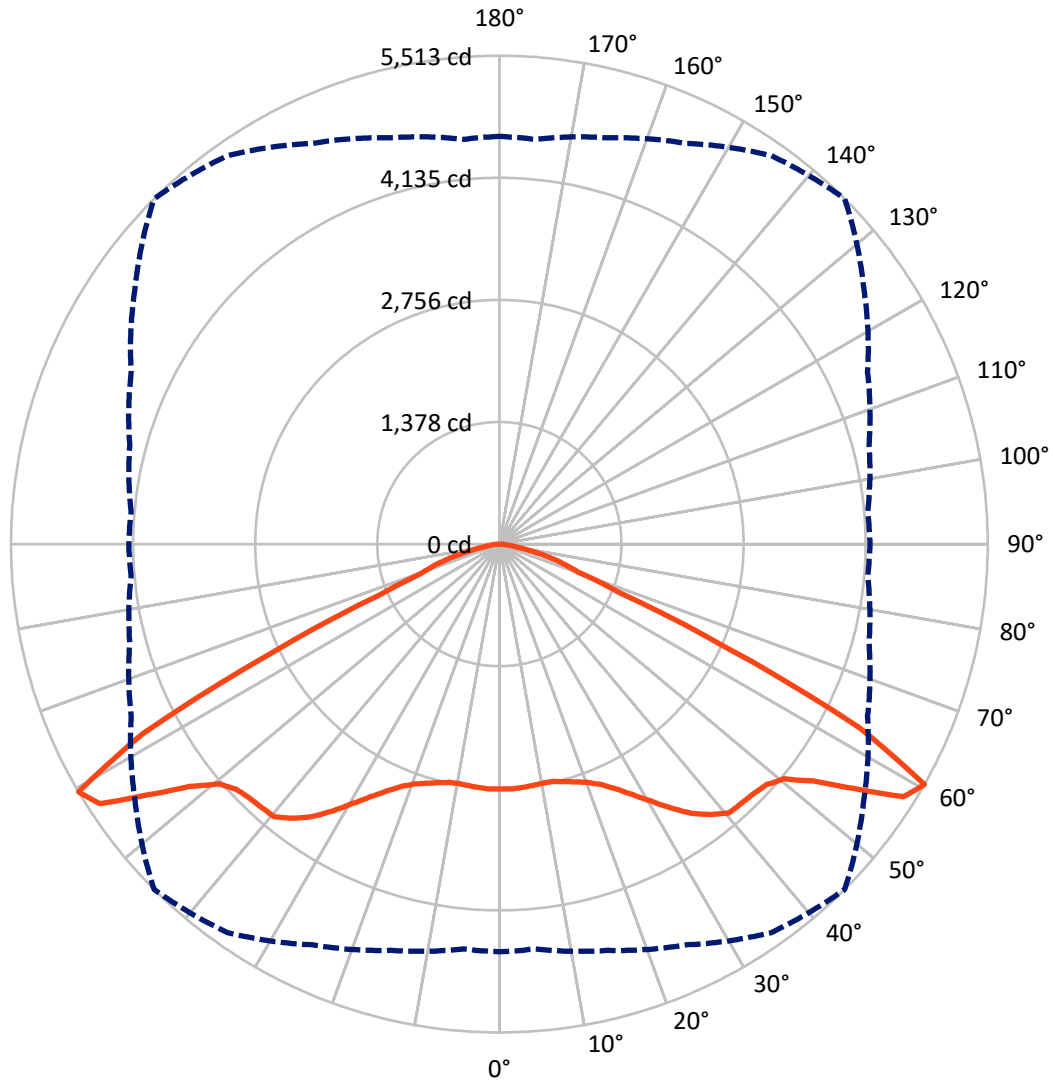
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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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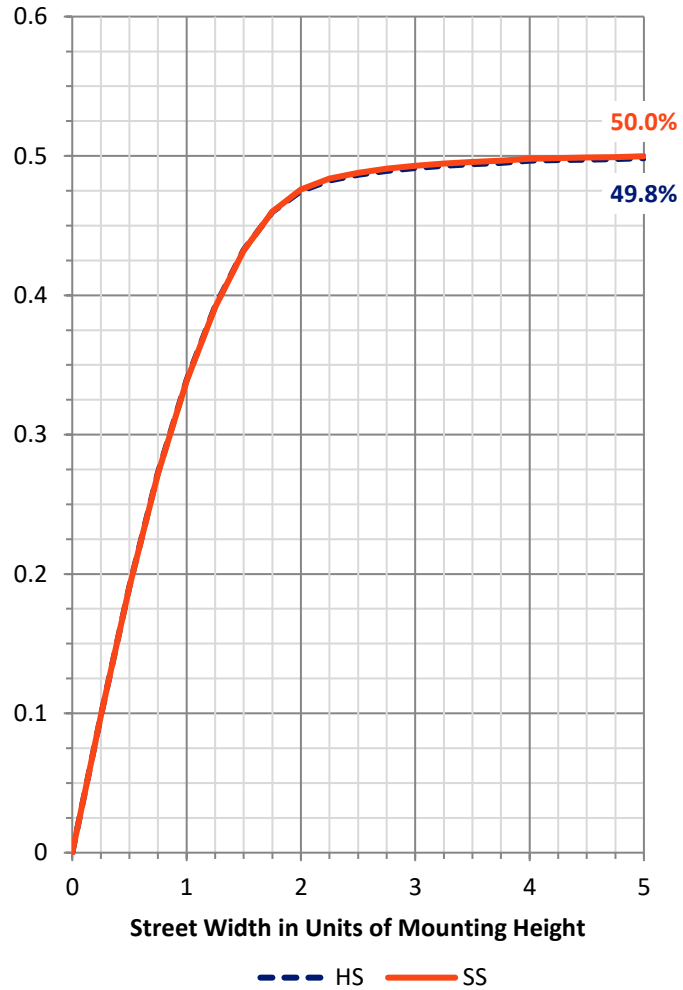
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7564.5	0.0	7564.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7564.5	0.0	7564.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15129.0	0.0	15129.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.2	1.7
10°-20°	788.7	5.2
20°-30°	1395.3	9.2
30°-40°	2246.4	14.8
40°-50°	3087.7	20.4
50°-60°	4114.6	27.2
60°-70°	2564.4	17.0
70°-80°	589.7	3.9
80°-90°	80.0	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°	15129.0	100.0
0°-180°	15129.0	100.0

**Coefficient of Utilization**



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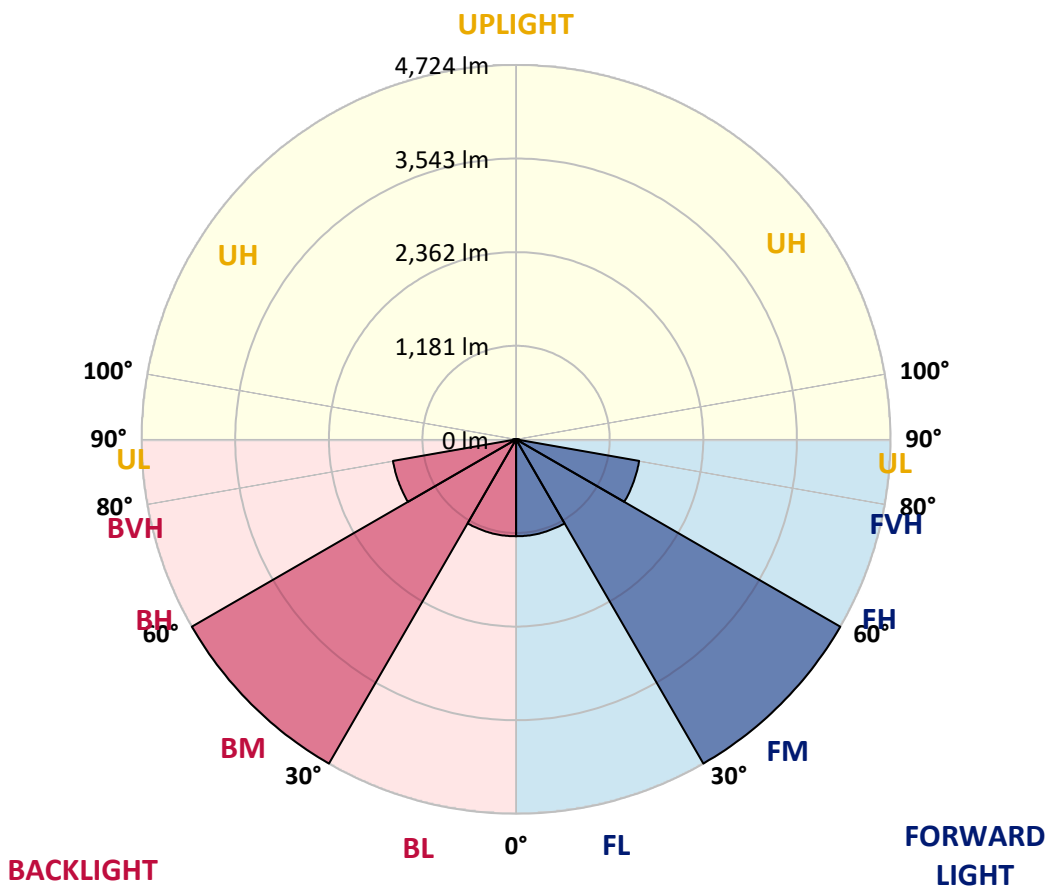
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1223.1	8.1			
FM (30°-60°)	4724.4	31.2			
FH (60°-80°)	1577.1	10.4			G1/1800
FVH (80°-90°)	40.0	0.3			G1/100
BL (0°-30°)	1223.1	8.1	B3/2500		
BM (30°-60°)	4724.4	31.2	B3/5000		
BH (60°-80°)	1577.1	10.4	B3/2500		G1/1800
BVH (80°-90°)	40.0	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°	2764.8	2764.8	2764.8	2764.8	2764.8	2764.8	2764.8	2764.8	2764.8	2764.8	2764.8
2.5°	2745.5	2748.1	2753.2	2757.1	2762.2	2767.4	2769.9	2764.8	2762.2	2752.0	2763.5
5°	2748.1	2750.7	2754.5	2754.5	2755.8	2759.7	2759.7	2753.2	2746.8	2735.3	2748.1
7.5°	2744.3	2746.8	2748.1	2746.8	2748.1	2749.4	2746.8	2739.1	2732.7	2722.4	2732.7
10°	2737.8	2740.4	2743.0	2740.4	2737.8	2741.7	2741.7	2736.6	2732.7	2722.4	2734.0
12.5°	2752.0	2755.8	2757.1	2750.7	2748.1	2749.4	2749.4	2744.3	2744.3	2735.3	2748.1
15°	2785.3	2787.9	2784.1	2776.4	2777.6	2781.5	2772.5	2759.7	2757.1	2753.2	2763.5
17.5°	2811.0	2813.6	2809.7	2804.6	2813.6	2822.6	2805.9	2781.5	2773.8	2771.2	2782.8
20°	2839.3	2843.1	2838.0	2844.4	2862.4	2872.7	2852.1	2818.7	2803.3	2799.5	2813.6
22.5°	2885.5	2890.7	2890.7	2904.8	2931.7	2948.4	2922.8	2877.8	2854.7	2848.3	2862.4
25°	2958.7	2962.6	2966.4	2994.7	3038.3	3061.4	3020.4	2958.7	2926.6	2916.3	2924.0
27.5°	3060.2	3066.6	3073.0	3114.1	3168.0	3201.4	3142.3	3065.3	3025.5	3004.9	3020.4
30°	3180.9	3189.9	3205.3	3251.5	3327.3	3364.5	3288.7	3195.0	3150.1	3128.2	3148.8
32.5°	3345.2	3346.5	3358.1	3409.5	3509.6	3552.0	3457.0	3352.9	3306.7	3281.0	3292.6
35°	3540.4	3541.7	3523.7	3576.4	3684.3	3731.8	3620.1	3514.8	3476.2	3468.5	3498.1
37.5°	3740.8	3729.2	3711.2	3734.3	3843.5	3874.3	3756.2	3666.3	3649.6	3663.7	3707.4
40°	3883.3	3864.0	3828.1	3844.8	3955.2	3991.2	3865.3	3780.6	3775.4	3810.1	3862.8
42.5°	3975.8	3955.2	3912.8	3912.8	3988.6	4004.0	3906.4	3861.5	3873.0	3912.8	3962.9
45°	4020.7	4009.2	3984.8	3971.9	4014.3	4020.7	3946.2	3928.3	3950.1	3969.3	4007.9
47.5°	4055.4	4055.4	4047.7	4034.8	4054.1	4058.0	4002.7	3997.6	4025.9	4025.9	4051.5
50°	4117.0	4123.4	4133.7	4131.2	4151.7	4164.5	4123.4	4115.7	4127.3	4090.1	4102.9
52.5°	4278.8	4295.5	4325.1	4348.2	4400.8	4440.6	4367.4	4305.8	4245.4	4163.3	4165.8
55°	4569.1	4576.8	4634.5	4702.6	4791.2	4872.1	4721.9	4530.5	4399.5	4303.2	4304.5
57.5°	4814.3	4825.9	4910.6	5053.2	5252.2	5378.1	5045.5	4725.7	4540.8	4422.7	4426.5
60°	4602.4	4587.0	4747.6	4991.5	5352.4	5512.9	5022.4	4585.7	4319.9	4173.5	4183.8
62.5°	3561.0	3531.4	3709.9	3965.5	4398.3	4558.8	4106.8	3688.1	3436.4	3322.1	3305.4
65°	2167.7	2140.7	2269.1	2425.8	2718.6	2820.0	2613.3	2391.1	2171.5	2102.2	2082.9
67.5°	1180.1	1176.3	1211.0	1288.0	1416.4	1463.9	1424.1	1318.8	1262.3	1213.5	1213.5
70°	936.2	928.4	922.0	923.3	934.9	941.3	942.6	937.4	943.9	945.1	940.0
72.5°	775.6	773.1	760.2	761.5	756.4	753.8	762.8	767.9	778.2	779.5	779.5
75°	562.5	556.0	562.5	563.7	558.6	558.6	565.0	563.7	568.9	571.5	557.3
77.5°	319.8	319.8	328.7	339.0	346.7	346.7	353.1	353.1	359.6	358.3	355.7
80°	175.9	175.9	181.1	187.5	195.2	202.9	209.3	210.6	214.5	213.2	209.3
82.5°	100.2	101.4	104.0	107.9	115.6	122.0	128.4	129.7	133.6	133.6	129.7
85°	47.5	46.2	47.5	50.1	53.9	59.1	65.5	69.3	71.9	71.9	69.3
87.5°	9.0	10.3	9.0	10.3	11.6	15.4	18.0	20.5	24.4	25.7	23.1
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)