

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: P639175

Luminaire Tested: GWS-SA5B-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639175  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

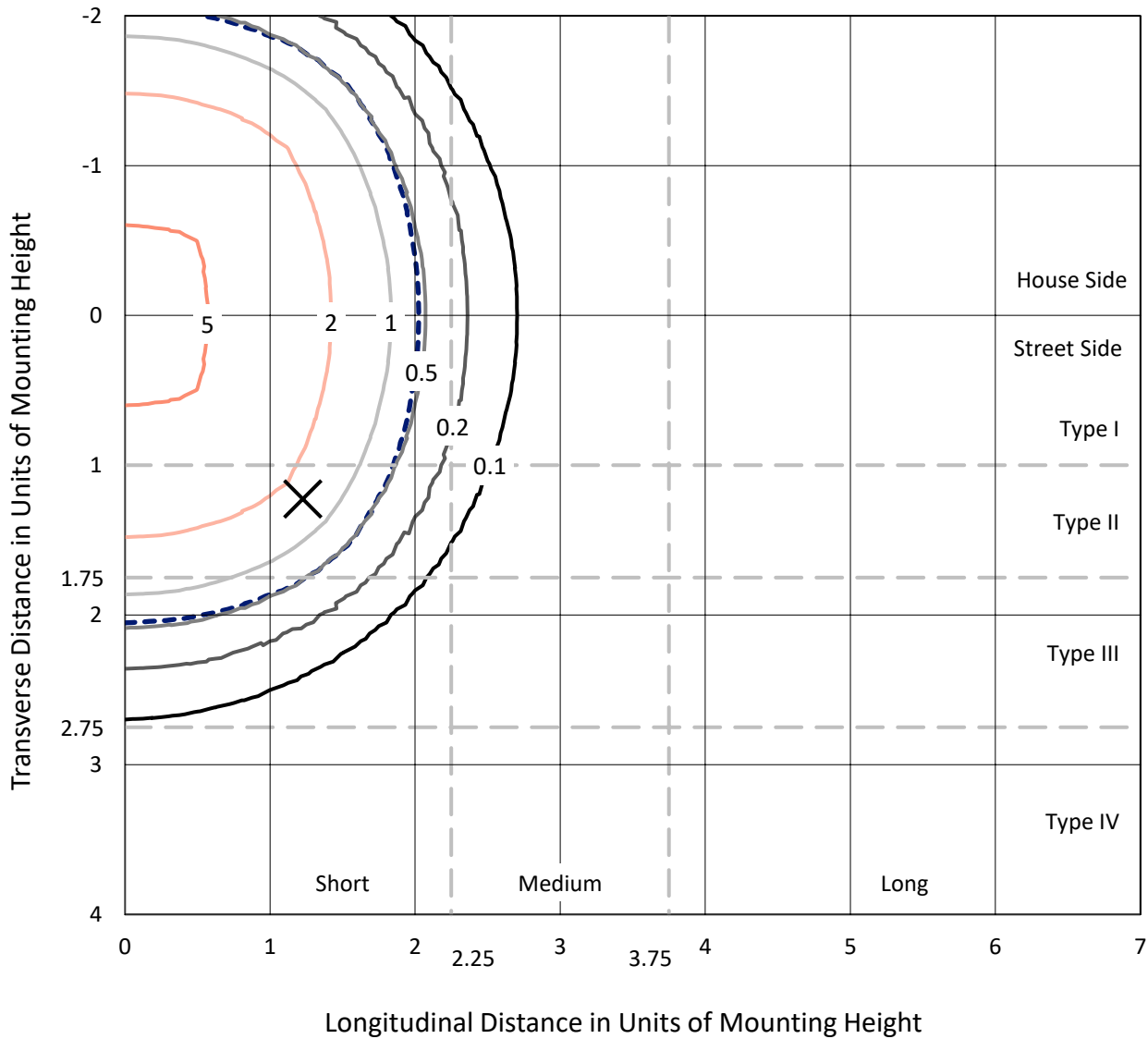
Lumens per Lamp: N/A  
Luminaire Lumens: 14790.1 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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

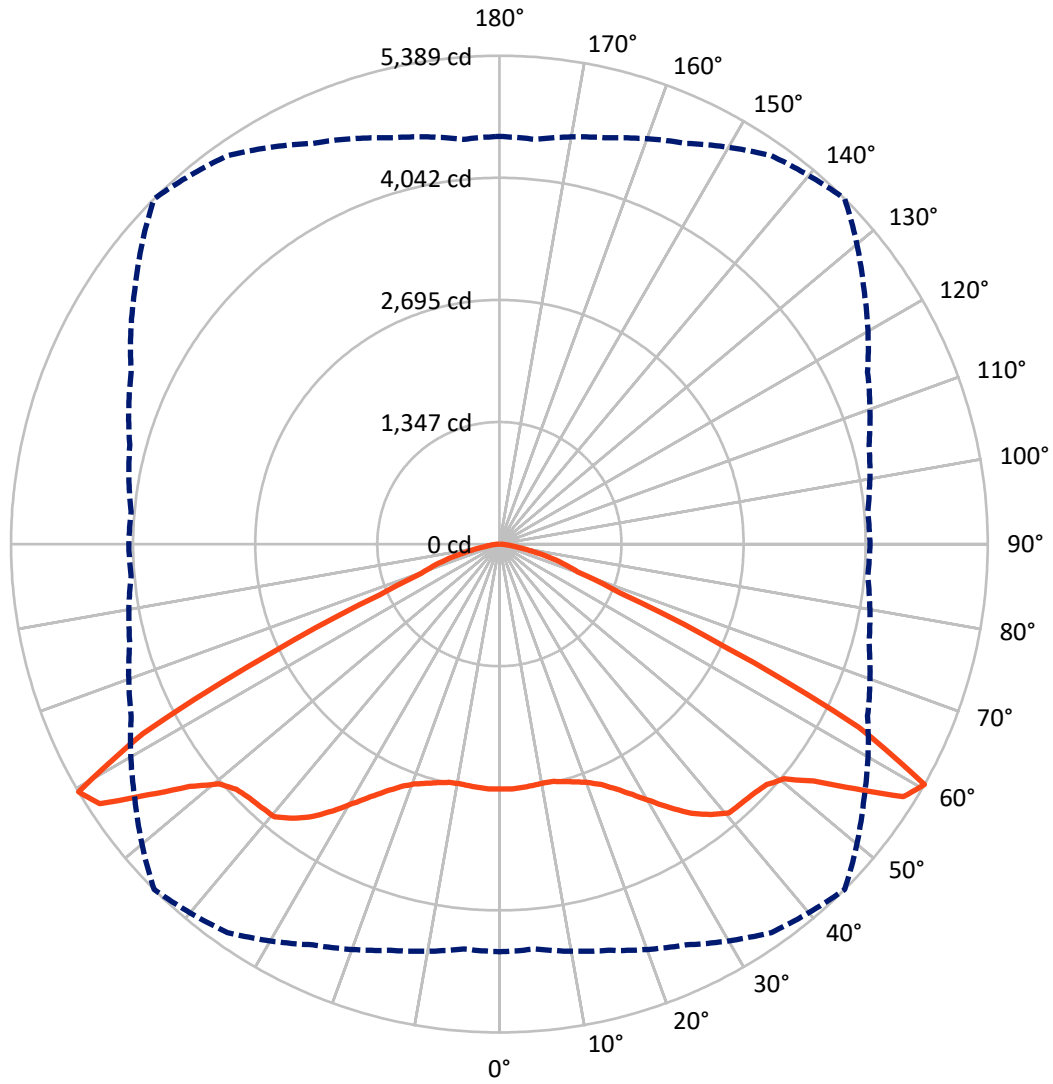
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 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	7395.1	0.0	7395.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7395.1	0.0	7395.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14790.1	0.0	14790.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.3	1.7
10°-20°	771.0	5.2
20°-30°	1364.0	9.2
30°-40°	2196.1	14.8
40°-50°	3018.5	20.4
50°-60°	4022.5	27.2
60°-70°	2507.0	17.0
70°-80°	576.5	3.9
80°-90°	78.2	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°	14790.1	100.0
0°-180°	14790.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P639175

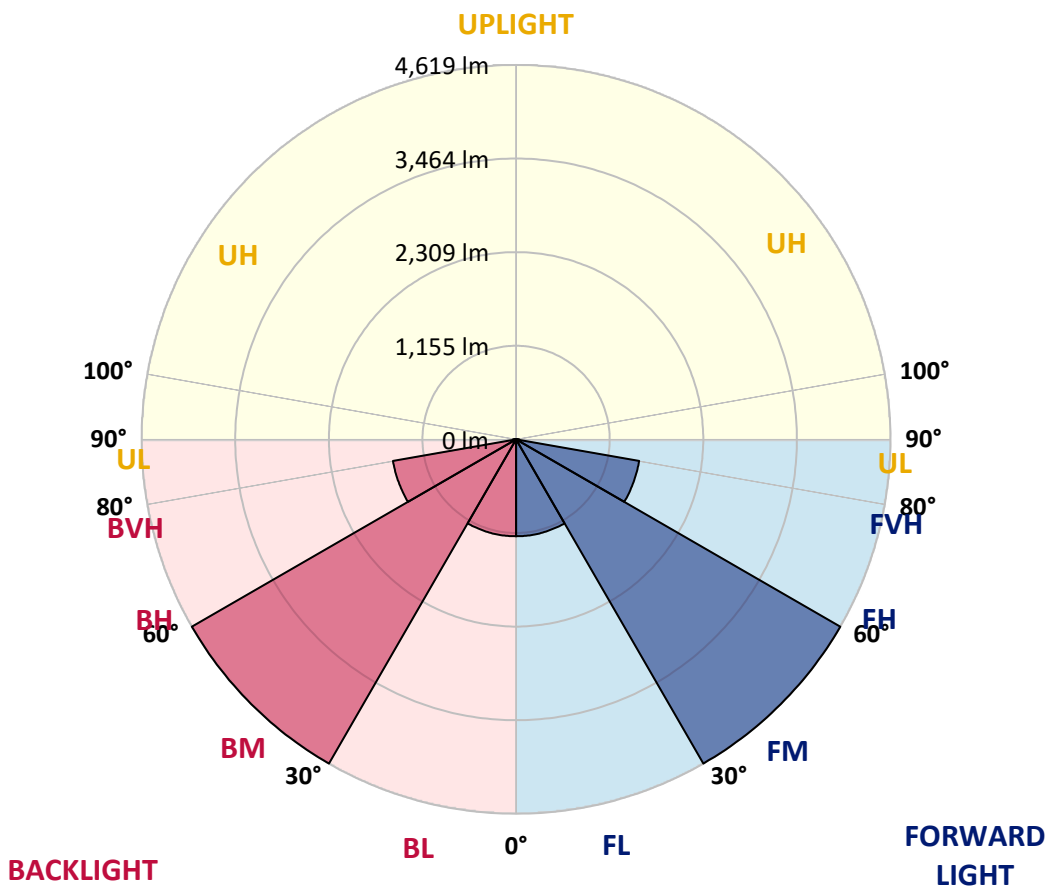
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1195.7	8.1			
FM (30°-60°)	4618.5	31.2			
FH (60°-80°)	1541.7	10.4			G1/1800
FVH (80°-90°)	39.1	0.3			G1/100
BL (0°-30°)	1195.7	8.1	B3/2500		
BM (30°-60°)	4618.5	31.2	B3/5000		
BH (60°-80°)	1541.7	10.4	B3/2500		G1/1800
BVH (80°-90°)	39.1	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°	2702.9	2702.9	2702.9	2702.9	2702.9	2702.9	2702.9	2702.9	2702.9	2702.9	2702.9
2.5°	2684.0	2686.5	2691.6	2695.3	2700.4	2705.4	2707.9	2702.9	2700.4	2690.3	2701.6
5°	2686.5	2689.1	2692.8	2692.8	2694.1	2697.8	2697.8	2691.6	2685.3	2674.0	2686.5
7.5°	2682.8	2685.3	2686.5	2685.3	2686.5	2687.8	2685.3	2677.8	2671.5	2661.4	2671.5
10°	2676.5	2679.0	2681.5	2679.0	2676.5	2680.3	2680.3	2675.3	2671.5	2661.4	2672.7
12.5°	2690.3	2694.1	2695.3	2689.1	2686.5	2687.8	2687.8	2682.8	2682.8	2674.0	2686.5
15°	2723.0	2725.5	2721.7	2714.2	2715.4	2719.2	2710.4	2697.8	2695.3	2691.6	2701.6
17.5°	2748.1	2750.6	2746.8	2741.8	2750.6	2759.4	2743.0	2719.2	2711.7	2709.1	2720.4
20°	2775.7	2779.4	2774.4	2780.7	2798.3	2808.3	2788.2	2755.6	2740.5	2736.8	2750.6
22.5°	2820.9	2825.9	2825.9	2839.7	2866.1	2882.4	2857.3	2813.3	2790.7	2784.5	2798.3
25°	2892.4	2896.2	2900.0	2927.6	2970.3	2992.9	2952.7	2892.4	2861.0	2851.0	2858.5
27.5°	2991.6	2997.9	3004.2	3044.3	3097.1	3129.7	3072.0	2996.6	2957.7	2937.6	2952.7
30°	3109.6	3118.4	3133.5	3178.7	3252.7	3289.1	3215.1	3123.4	3079.5	3058.1	3078.2
32.5°	3270.3	3271.6	3282.9	3333.1	3431.0	3472.4	3379.5	3277.8	3232.6	3207.5	3218.8
35°	3461.1	3462.4	3444.8	3496.3	3601.7	3648.2	3539.0	3436.0	3398.4	3390.8	3419.7
37.5°	3657.0	3645.7	3628.1	3650.7	3757.4	3787.5	3672.0	3584.2	3567.8	3581.6	3624.3
40°	3796.3	3777.5	3742.3	3758.7	3866.6	3901.8	3778.7	3695.9	3690.9	3724.8	3776.2
42.5°	3886.7	3866.6	3825.2	3825.2	3899.3	3914.3	3818.9	3775.0	3786.3	3825.2	3874.2
45°	3930.6	3919.3	3895.5	3882.9	3924.4	3930.6	3857.8	3840.3	3861.6	3880.4	3918.1
47.5°	3964.5	3964.5	3957.0	3944.5	3963.3	3967.1	3913.1	3908.1	3935.7	3935.7	3960.8
50°	4024.8	4031.1	4041.1	4038.6	4058.7	4071.3	4031.1	4023.5	4034.8	3998.4	4011.0
52.5°	4183.0	4199.3	4228.2	4250.8	4302.2	4341.2	4269.6	4209.3	4150.3	4070.0	4072.5
55°	4466.7	4474.2	4530.7	4597.3	4683.9	4763.0	4616.1	4429.0	4301.0	4206.8	4208.1
57.5°	4706.5	4717.8	4800.6	4940.0	5134.6	5257.6	4932.5	4619.9	4439.1	4323.6	4327.4
60°	4499.3	4484.3	4641.2	4879.7	5232.5	5389.4	4909.9	4483.0	4223.2	4080.0	4090.1
62.5°	3481.2	3452.3	3626.8	3876.7	4299.7	4456.7	4014.8	3605.5	3359.4	3247.7	3231.4
65°	2119.1	2092.7	2218.3	2371.4	2657.7	2756.9	2554.7	2337.5	2122.9	2055.1	2036.3
67.5°	1153.7	1149.9	1183.8	1259.2	1384.7	1431.2	1392.2	1289.3	1234.1	1186.4	1186.4
70°	915.2	907.7	901.4	902.6	913.9	920.2	921.5	916.4	922.7	924.0	919.0
72.5°	758.3	755.7	743.2	744.5	739.4	736.9	745.7	750.7	760.8	762.0	762.0
75°	549.9	543.6	549.9	551.1	546.1	546.1	552.4	551.1	556.1	558.7	544.8
77.5°	312.6	312.6	321.4	331.4	339.0	339.0	345.2	345.2	351.5	350.3	347.7
80°	172.0	172.0	177.0	183.3	190.8	198.4	204.6	205.9	209.7	208.4	204.6
82.5°	97.9	99.2	101.7	105.5	113.0	119.3	125.5	126.8	130.6	130.6	126.8
85°	46.4	45.2	46.4	49.0	52.7	57.7	64.0	67.8	70.3	70.3	67.8
87.5°	8.8	10.0	8.8	10.0	11.3	15.1	17.6	20.1	23.9	25.1	22.6
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)