

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: P635708

Luminaire Tested: GWS-SA3E-735-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-735-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

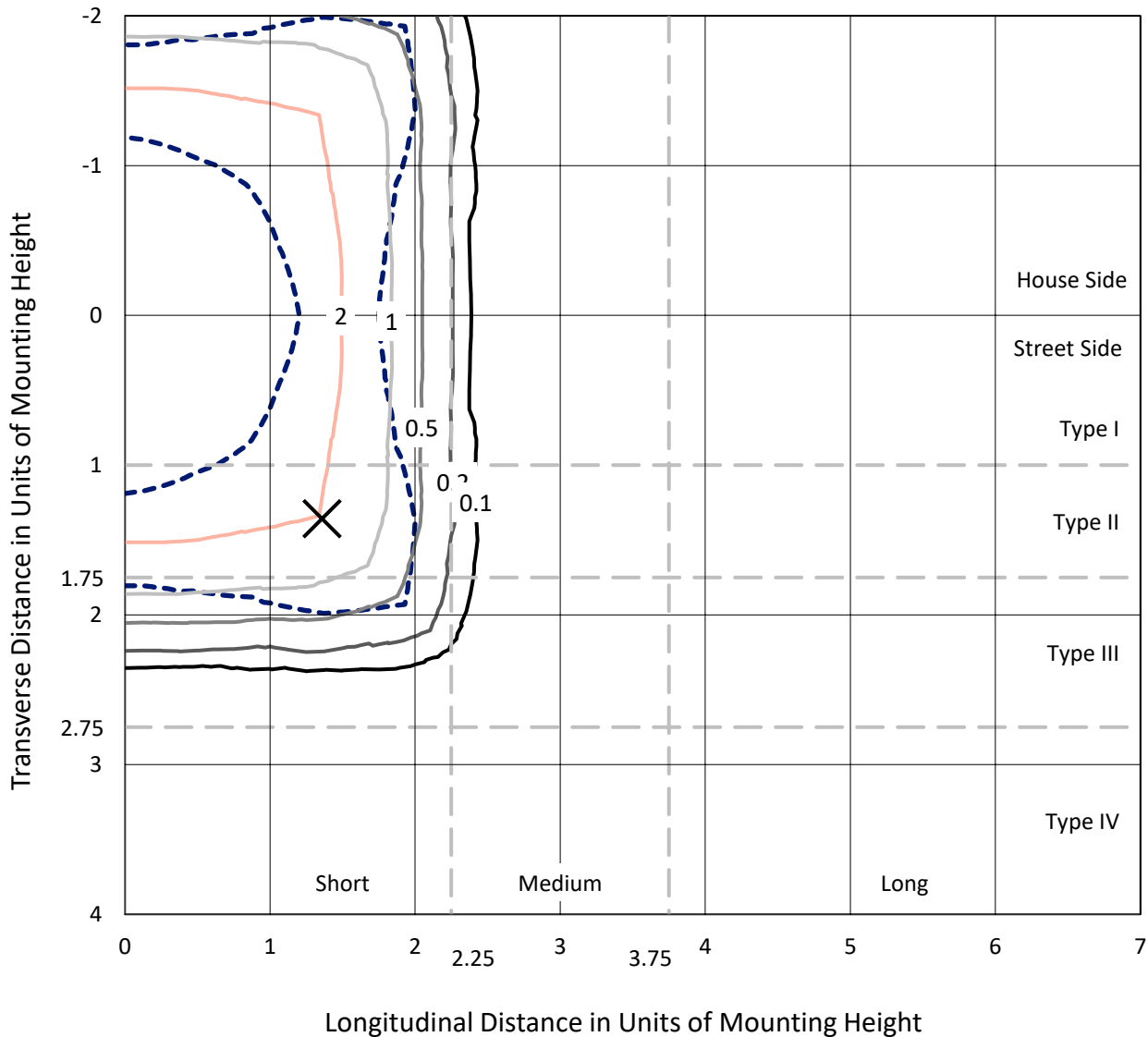
Lumens per Lamp: N/A  
Luminaire Lumens: 22670.5 lumens  
Efficiency: N/A  
Efficacy: 142.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

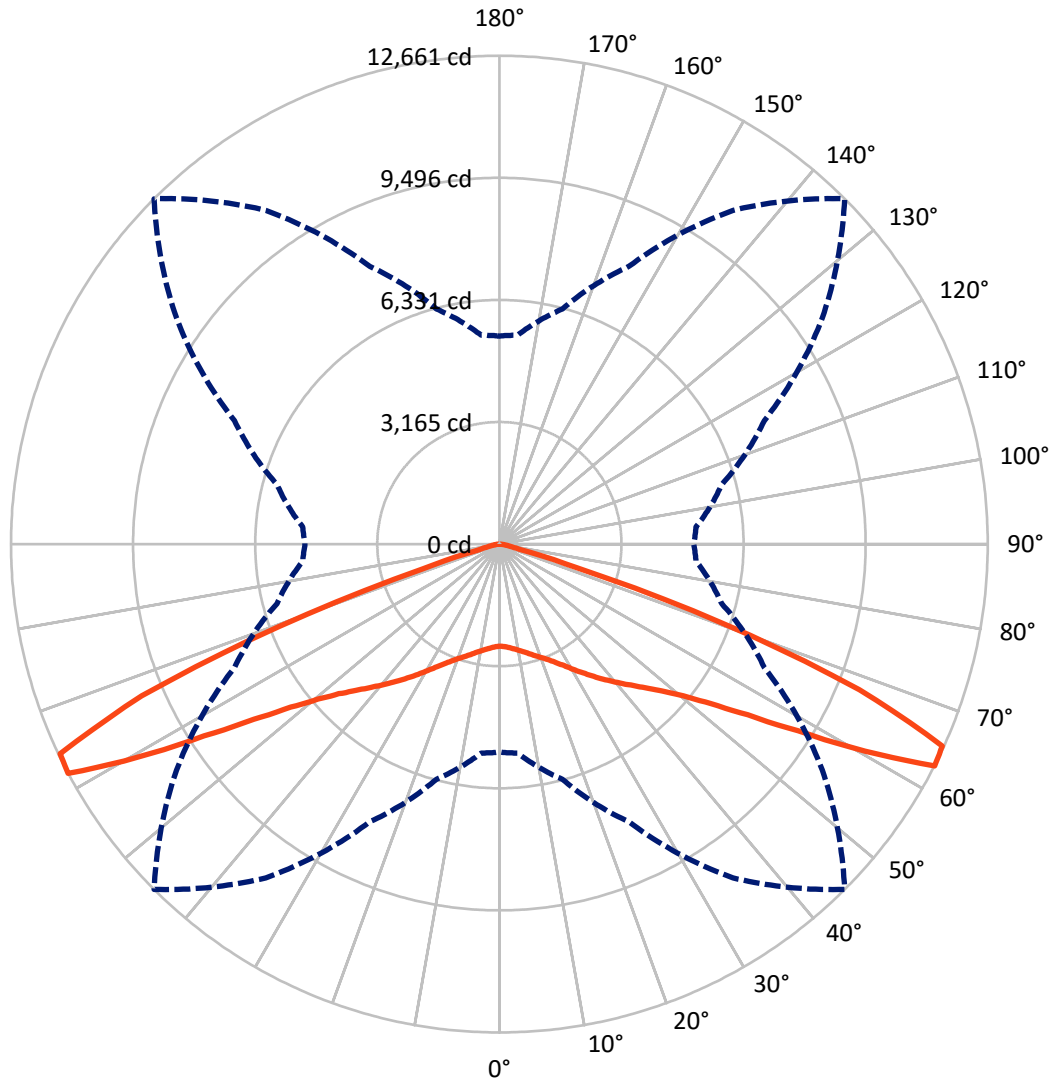
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11335.3	0.0	11335.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11335.3	0.0	11335.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22670.5	0.0	22670.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.5	1.1
10°-20°	836.8	3.7
20°-30°	1583.2	7.0
30°-40°	2664.7	11.8
40°-50°	4257.4	18.8
50°-60°	6862.7	30.3
60°-70°	5599.2	24.7
70°-80°	543.7	2.4
80°-90°	63.3	0.3
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°	22670.5	100.0
0°-180°	22670.5	100.0

**Coefficient of Utilization**



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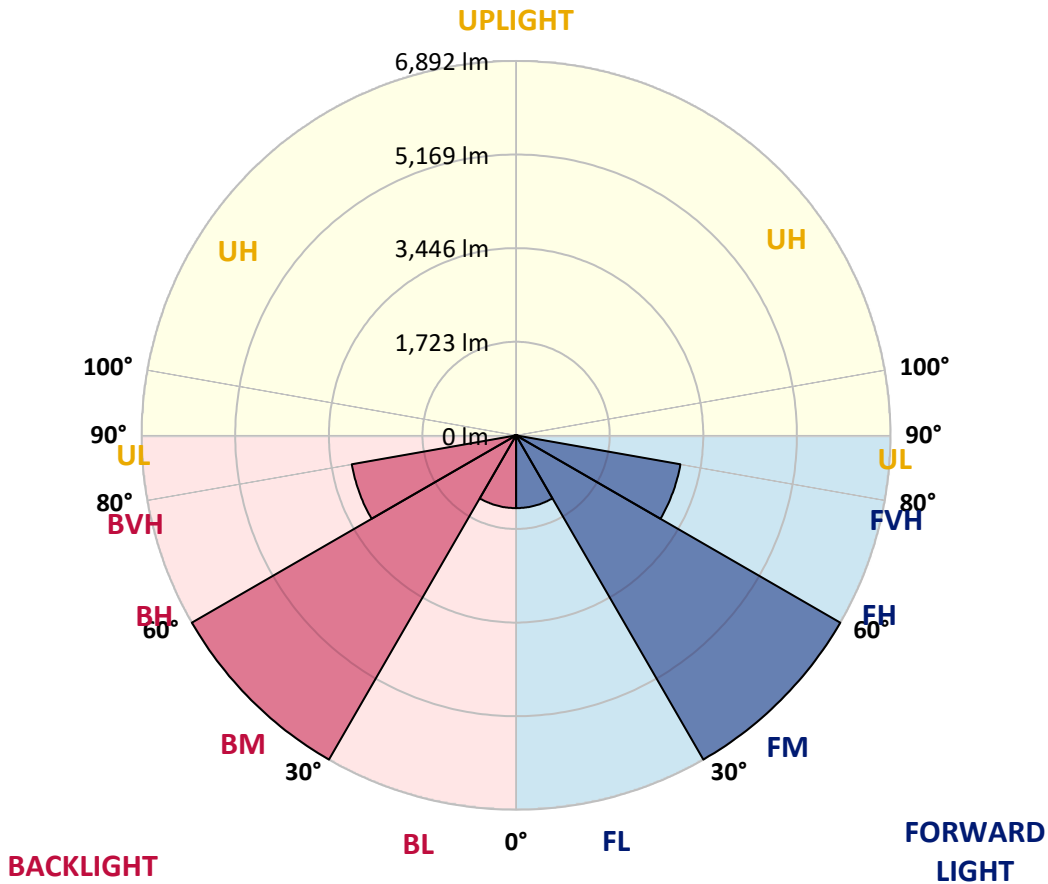
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1339.7	5.9			
FM (30°-60°)	6892.4	30.4			
FH (60°-80°)	3071.5	13.5			G2/5000
FVH (80°-90°)	31.6	0.1			G1/100
BL (0°-30°)	1339.7	5.9	B3/2500		
BM (30°-60°)	6892.4	30.4	B4/8500		
BH (60°-80°)	3071.5	13.5	B4/5000		G2/5000
BVH (80°-90°)	31.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8
2.5°	2641.7	2641.7	2647.9	2652.6	2649.5	2661.9	2660.4	2657.3	2655.7	2651.0	2665.0
5°	2677.5	2677.5	2682.1	2686.8	2679.0	2694.6	2688.4	2685.2	2683.7	2677.5	2689.9
7.5°	2717.9	2722.6	2724.1	2731.9	2727.2	2744.3	2739.7	2733.4	2730.3	2722.6	2733.4
10°	2763.0	2766.1	2767.7	2781.6	2783.2	2803.4	2798.8	2791.0	2784.8	2777.0	2792.5
12.5°	2823.6	2825.2	2829.8	2847.0	2851.6	2867.2	2865.6	2854.7	2847.0	2836.1	2853.2
15°	2901.4	2902.9	2910.7	2927.8	2935.6	2954.2	2948.0	2930.9	2920.0	2907.6	2921.6
17.5°	2982.2	2988.4	2996.2	3013.3	3024.2	3046.0	3038.2	3019.5	3010.2	2997.8	3007.1
20°	3086.4	3088.0	3092.6	3111.3	3119.1	3143.9	3145.5	3126.8	3122.2	3109.7	3123.7
22.5°	3201.5	3203.0	3207.7	3227.9	3241.9	3257.4	3266.8	3255.9	3248.1	3232.6	3249.7
25°	3329.0	3344.5	3349.2	3374.0	3389.6	3398.9	3409.8	3405.1	3394.3	3375.6	3383.4
27.5°	3507.8	3510.9	3518.7	3546.6	3556.0	3565.3	3576.2	3577.7	3562.2	3540.4	3551.3
30°	3711.5	3709.9	3727.0	3748.8	3756.5	3764.3	3779.9	3789.2	3769.0	3745.7	3756.5
32.5°	3919.8	3938.5	3960.2	3980.4	3975.8	3978.9	4003.8	4020.9	3992.9	3950.9	3960.2
35°	4154.6	4167.0	4195.0	4224.6	4218.3	4213.7	4229.2	4246.3	4207.5	4153.0	4167.0
37.5°	4395.6	4414.3	4456.2	4492.0	4482.7	4460.9	4478.0	4496.7	4459.3	4397.1	4390.9
40°	4664.6	4694.1	4754.8	4784.3	4759.4	4717.5	4747.0	4792.1	4754.8	4683.2	4666.1
42.5°	4980.2	5016.0	5076.6	5121.7	5067.3	4998.9	5048.6	5113.9	5104.6	5009.8	4980.2
45°	5370.5	5393.8	5468.4	5490.2	5409.4	5314.5	5404.7	5504.2	5480.9	5378.3	5339.4
47.5°	5795.0	5830.7	5896.0	5936.5	5805.9	5687.7	5813.6	5947.3	5922.5	5826.1	5781.0
50°	6336.1	6382.7	6468.2	6502.4	6322.1	6186.8	6348.5	6518.0	6469.8	6340.7	6281.6
52.5°	6925.4	6962.7	7108.8	7177.2	7007.8	6861.6	7003.1	7169.5	7066.8	6895.8	6816.5
55°	7444.7	7482.0	7696.6	7923.6	7915.8	7814.7	7886.3	7889.4	7611.0	7328.1	7244.1
57.5°	7556.6	7593.9	8002.9	8596.8	9016.6	9133.3	8923.4	8481.8	7780.5	7284.5	7189.7
60°	6959.6	7001.5	7651.5	8736.8	10117.5	10896.5	9929.3	8469.3	7256.5	6584.8	6494.7
62.5°	5392.3	5437.4	6311.2	7940.7	10562.2	12661.2	10221.7	7578.4	5969.1	5118.6	5039.3
65°	2574.9	2574.9	3685.0	5695.5	9675.9	12619.3	9375.8	5606.8	3593.3	2759.9	2691.5
67.5°	637.5	640.6	948.5	2217.2	6581.7	10070.8	6689.0	2691.5	1265.7	895.6	872.3
70°	398.0	396.5	440.0	600.2	2302.7	6112.2	2735.0	811.6	514.7	454.0	450.9
72.5°	309.4	309.4	331.2	384.1	603.3	2082.0	797.6	450.9	373.2	335.9	335.9
75°	244.1	244.1	259.7	287.6	356.1	536.4	424.5	334.3	289.2	264.3	261.2
77.5°	181.9	185.0	197.5	216.1	242.6	301.6	269.0	251.9	225.5	206.8	200.6
80°	118.2	122.8	138.4	149.3	158.6	199.0	175.7	183.5	171.0	149.3	146.2
82.5°	63.7	65.3	84.0	87.1	90.2	108.8	112.0	116.6	121.3	94.8	88.6
85°	23.3	23.3	28.0	32.7	35.8	38.9	52.9	65.3	68.4	54.4	52.9
87.5°	4.7	4.7	4.7	3.1	3.1	3.1	9.3	17.1	28.0	21.8	21.8
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)