

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: P642143

Luminaire Tested: GWS-SA6C-735-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642143  
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-SA6C-735-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

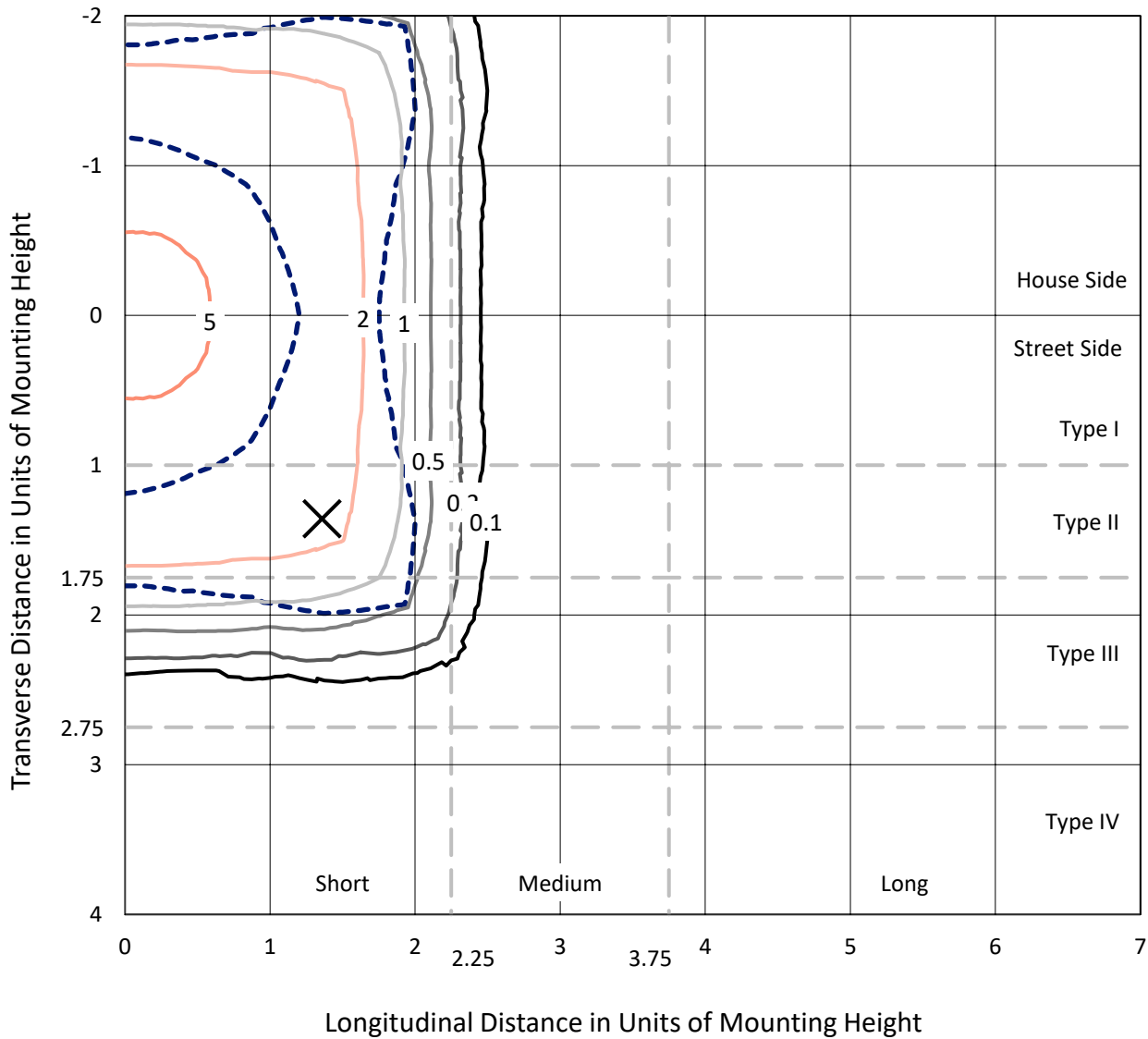
Lumens per Lamp: N/A  
Luminaire Lumens: 29271.4 lumens  
Efficiency: N/A  
Efficacy: 154.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

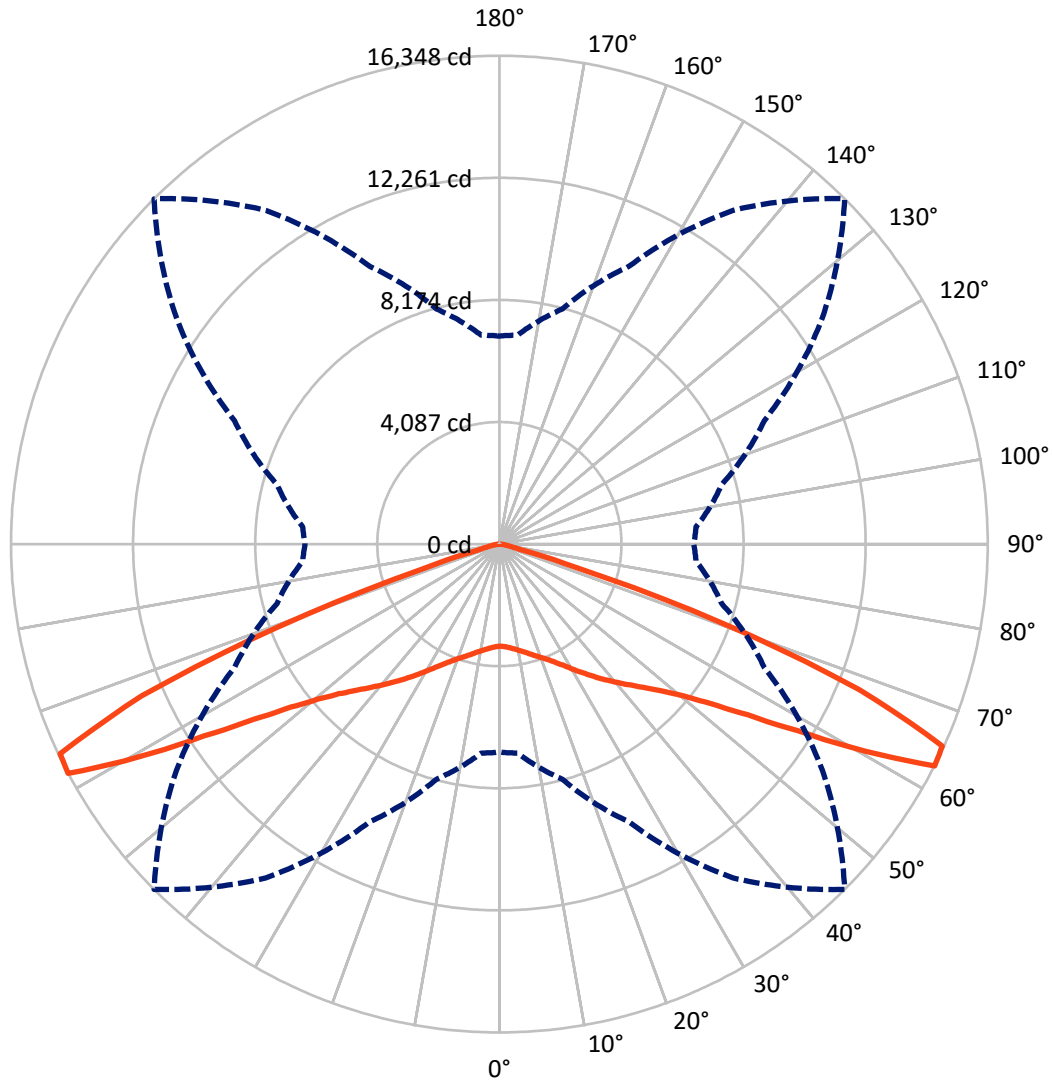
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	14635.7	0.0	14635.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14635.7	0.0	14635.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29271.4	0.0	29271.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.0	1.1
10°-20°	1080.5	3.7
20°-30°	2044.1	7.0
30°-40°	3440.6	11.8
40°-50°	5497.0	18.8
50°-60°	8860.9	30.3
60°-70°	7229.5	24.7
70°-80°	702.0	2.4
80°-90°	81.7	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°	29271.4	100.0
0°-180°	29271.4	100.0

**Coefficient of Utilization**



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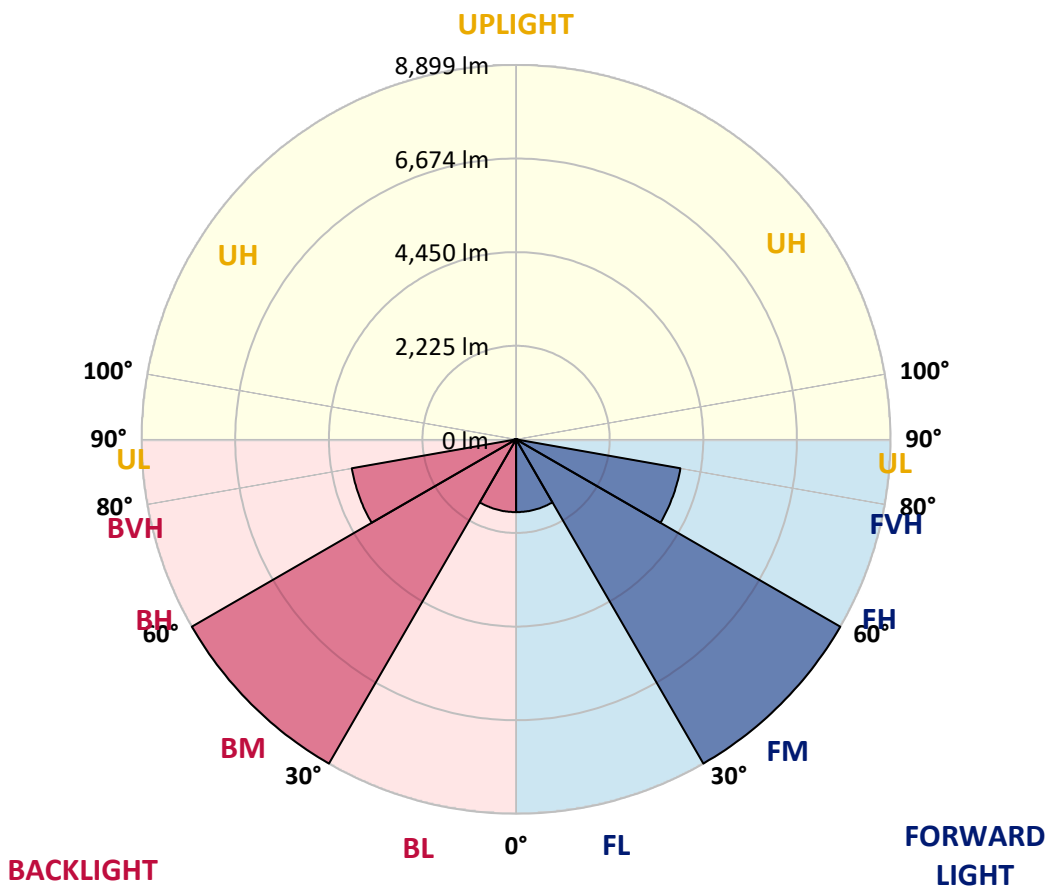
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1729.8	5.9			
FM (30°-60°)	8899.3	30.4			
FH (60°-80°)	3965.8	13.5			G2/5000
FVH (80°-90°)	40.8	0.1			G1/100
BL (0°-30°)	1729.8	5.9	B3/2500		
BM (30°-60°)	8899.3	30.4	B5		
BH (60°-80°)	3965.8	13.5	B4/5000		G2/5000
BVH (80°-90°)	40.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3414.9	3414.9	3414.9	3414.9	3414.9	3414.9	3414.9	3414.9	3414.9	3414.9	3414.9
2.5°	3410.9	3410.9	3418.9	3424.9	3420.9	3437.0	3435.0	3431.0	3429.0	3422.9	3441.0
5°	3457.1	3457.1	3463.1	3469.1	3459.1	3479.1	3471.1	3467.1	3465.1	3457.1	3473.1
7.5°	3509.3	3515.3	3517.3	3527.3	3521.3	3543.4	3537.4	3529.3	3525.3	3515.3	3529.3
10°	3567.5	3571.5	3573.5	3591.6	3593.6	3619.7	3613.7	3603.6	3595.6	3585.5	3605.6
12.5°	3645.8	3647.8	3653.8	3675.9	3681.9	3702.0	3700.0	3685.9	3675.9	3661.8	3683.9
15°	3746.2	3748.2	3758.2	3780.3	3790.3	3814.4	3806.4	3784.3	3770.2	3754.2	3772.3
17.5°	3850.5	3858.6	3868.6	3890.7	3904.8	3932.9	3922.8	3898.7	3886.7	3870.6	3882.7
20°	3985.1	3987.1	3993.1	4017.2	4027.2	4059.3	4061.3	4037.3	4031.2	4015.2	4033.2
22.5°	4133.6	4135.6	4141.6	4167.7	4185.8	4205.9	4217.9	4203.9	4193.8	4173.8	4195.9
25°	4298.2	4318.3	4324.3	4356.5	4376.5	4388.6	4402.6	4396.6	4382.6	4358.5	4368.5
27.5°	4529.1	4533.1	4543.2	4579.3	4591.3	4603.4	4617.4	4619.5	4599.4	4571.3	4585.3
30°	4792.1	4790.1	4812.2	4840.3	4850.3	4860.4	4880.4	4892.5	4866.4	4836.3	4850.3
32.5°	5061.1	5085.2	5113.3	5139.4	5133.4	5137.4	5169.5	5191.6	5155.5	5101.3	5113.3
35°	5364.3	5380.3	5416.5	5454.6	5446.6	5440.6	5460.6	5482.7	5432.5	5362.3	5380.3
37.5°	5675.4	5699.5	5753.7	5799.9	5787.9	5759.8	5781.8	5805.9	5757.8	5677.5	5669.4
40°	6022.8	6060.9	6139.2	6177.3	6145.2	6091.0	6129.2	6187.4	6139.2	6046.8	6024.8
42.5°	6430.3	6476.5	6554.8	6613.0	6542.7	6454.4	6518.6	6602.9	6590.9	6468.4	6430.3
45°	6934.2	6964.3	7060.7	7088.8	6984.4	6861.9	6978.4	7106.9	7076.7	6944.2	6894.0
47.5°	7482.3	7528.4	7612.8	7665.0	7496.3	7343.7	7506.4	7679.0	7646.9	7522.4	7464.2
50°	8180.9	8241.1	8351.6	8395.7	8162.8	7988.2	8197.0	8415.8	8353.6	8186.9	8110.6
52.5°	8941.8	8990.0	9178.7	9267.0	9048.2	8859.5	9042.2	9257.0	9124.5	8903.6	8801.3
55°	9612.3	9660.5	9937.5	10230.7	10220.6	10090.1	10182.5	10186.5	9827.1	9461.8	9353.3
57.5°	9756.9	9805.0	10333.0	11099.9	11642.0	11792.6	11521.5	10951.4	10046.0	9405.5	9283.1
60°	8986.0	9040.2	9879.3	11280.6	13063.4	14069.2	12820.4	10935.3	9369.4	8502.1	8385.7
62.5°	6962.3	7020.5	8148.8	10252.7	13637.5	16347.8	13197.9	9785.0	7707.1	6609.0	6506.6
65°	3324.6	3324.6	4758.0	7353.8	12493.2	16293.6	12105.7	7239.4	4639.5	3563.5	3475.1
67.5°	823.1	827.1	1224.6	2862.8	8498.1	13003.1	8636.6	3475.1	1634.2	1156.4	1126.3
70°	513.9	511.9	568.1	774.9	2973.2	7891.8	3531.3	1048.0	664.5	586.2	582.2
72.5°	399.5	399.5	427.6	495.9	778.9	2688.2	1029.9	582.2	481.8	433.6	433.6
75°	315.2	315.2	335.3	371.4	459.7	692.6	548.1	431.6	373.4	341.3	337.3
77.5°	234.9	238.9	255.0	279.1	313.2	389.5	347.3	325.2	291.1	267.0	259.0
80°	152.6	158.6	178.7	192.7	204.8	257.0	226.9	236.9	220.8	192.7	188.7
82.5°	82.3	84.3	108.4	112.4	116.4	140.5	144.5	150.6	156.6	122.5	114.4
85°	30.1	30.1	36.1	42.2	46.2	50.2	68.3	84.3	88.3	70.3	68.3
87.5°	6.0	6.0	6.0	4.0	4.0	4.0	12.0	22.1	36.1	28.1	28.1
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)