

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: P641644

Luminaire Tested: GWS-SA6B-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-735-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

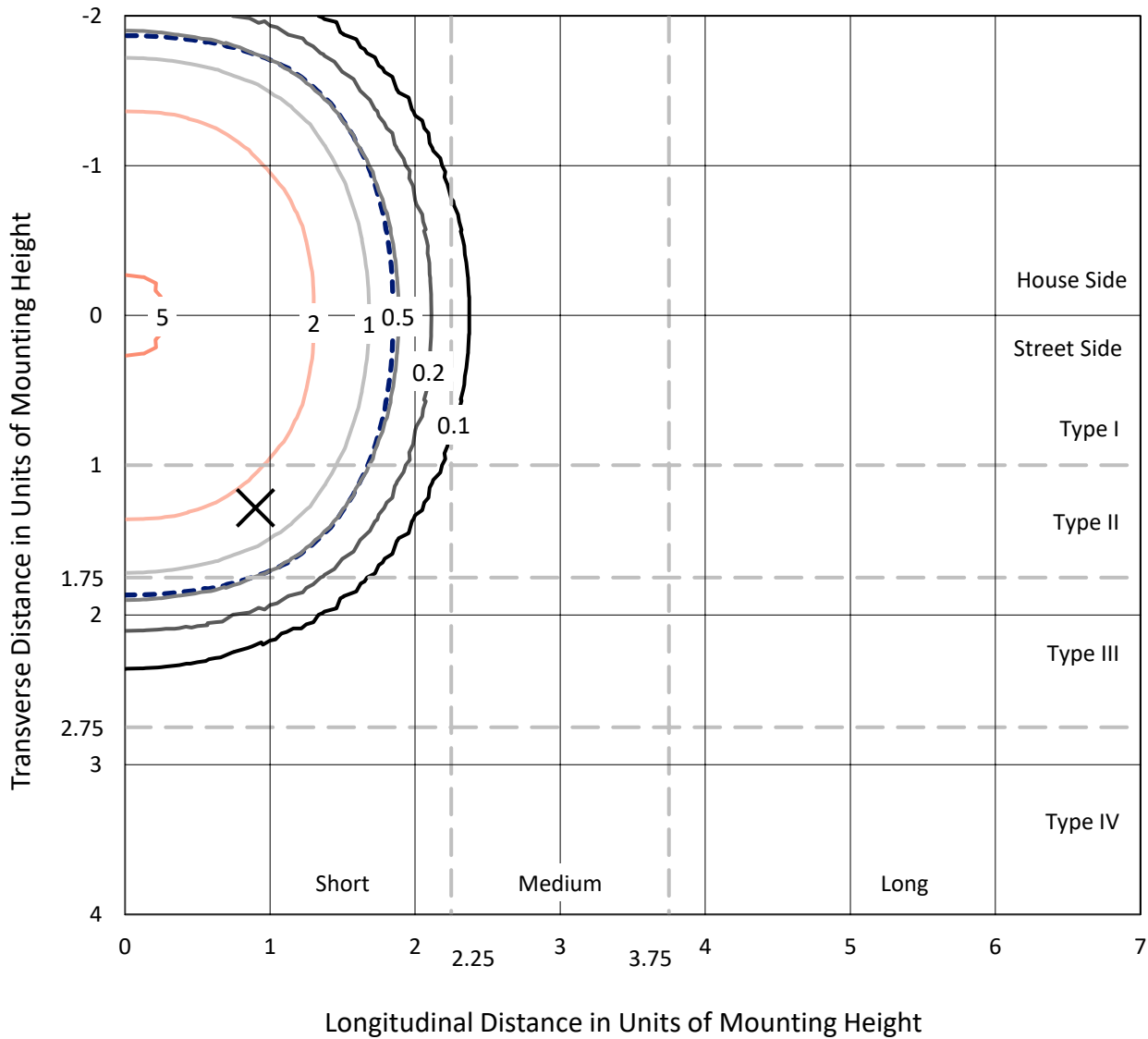
Lumens per Lamp: N/A  
Luminaire Lumens: 18284.3 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

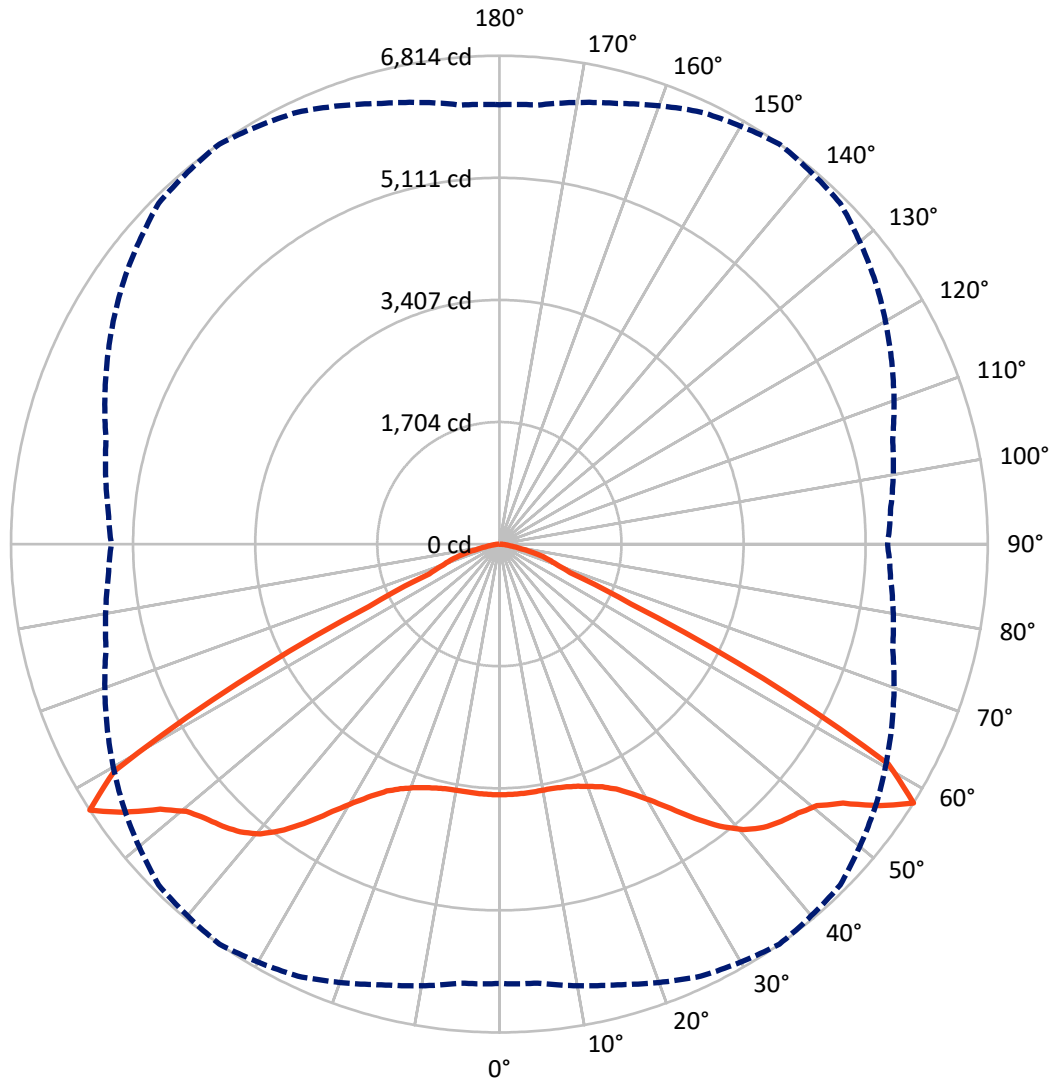
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9142.2	0.0	9142.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9142.2	0.0	9142.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18284.3	0.0	18284.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.8	1.8
10°-20°	993.0	5.4
20°-30°	1732.6	9.5
30°-40°	2841.0	15.5
40°-50°	4184.1	22.9
50°-60°	5339.7	29.2
60°-70°	2250.4	12.3
70°-80°	537.6	2.9
80°-90°	73.2	0.4
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°	18284.3	100.0
0°-180°	18284.3	100.0

**Coefficient of Utilization**



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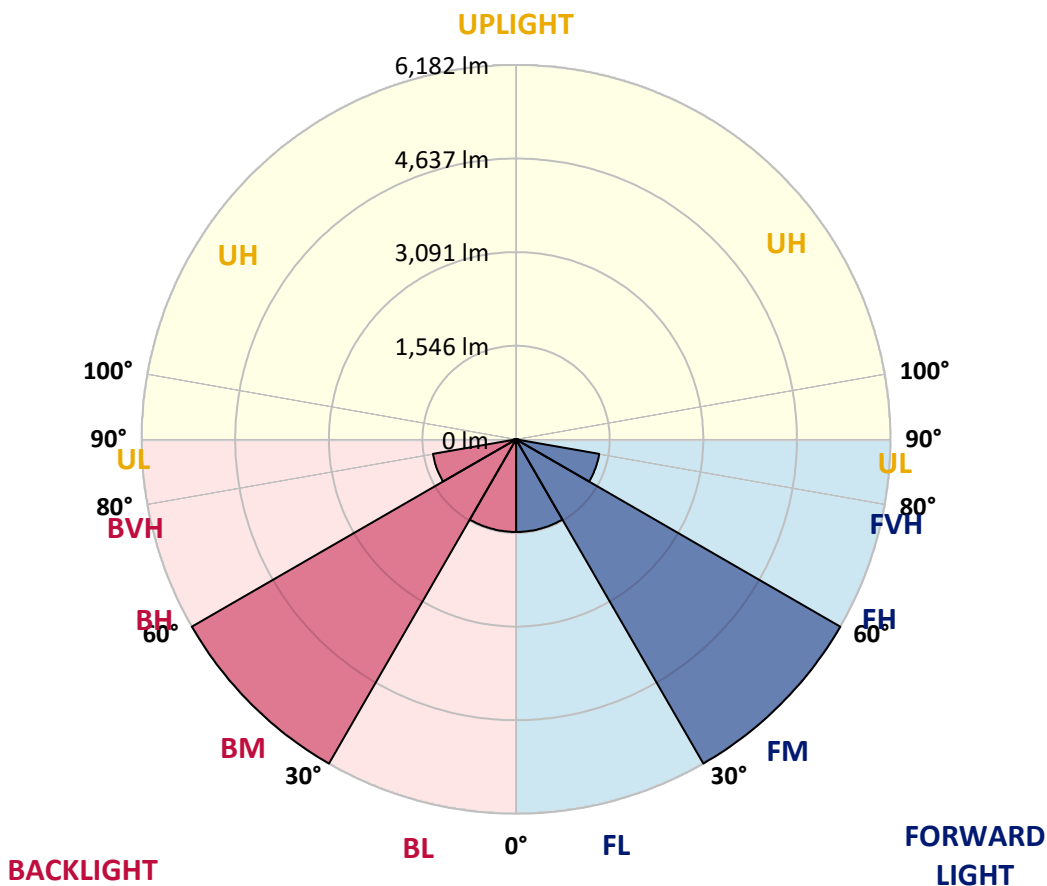
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1529.2	8.4			
FM (30°-60°)	6182.4	33.8			
FH (60°-80°)	1394.0	7.6			G1/1800
FVH (80°-90°)	36.6	0.2			G1/100
BL (0°-30°)	1529.2	8.4	B3/2500		
BM (30°-60°)	6182.4	33.8	B4/8500		
BH (60°-80°)	1394.0	7.6	B3/2500		G1/1800
BVH (80°-90°)	36.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3498.5	3498.5	3498.5	3498.5	3498.5	3498.5	3498.5	3498.5	3498.5	3498.5	3498.5
2.5°	3477.5	3477.5	3485.0	3492.5	3495.5	3509.0	3507.5	3503.0	3500.0	3491.0	3503.0
5°	3485.0	3485.0	3491.0	3495.5	3494.0	3504.5	3500.0	3492.5	3488.0	3479.0	3492.5
7.5°	3483.5	3483.5	3488.0	3492.5	3489.5	3498.5	3491.0	3480.5	3473.0	3464.1	3476.0
10°	3464.1	3467.1	3471.5	3482.0	3486.5	3500.0	3489.5	3473.0	3461.1	3450.6	3462.6
12.5°	3461.1	3464.1	3470.0	3483.5	3491.0	3510.5	3497.0	3470.0	3452.1	3438.6	3450.6
15°	3474.5	3477.5	3486.5	3503.0	3515.0	3535.9	3516.5	3479.0	3453.6	3435.6	3446.1
17.5°	3491.0	3495.5	3509.0	3532.9	3552.4	3574.8	3550.9	3506.0	3470.0	3446.1	3455.1
20°	3509.0	3515.0	3535.9	3571.8	3607.8	3636.2	3606.3	3546.4	3503.0	3471.5	3480.5
22.5°	3540.4	3547.9	3574.8	3625.7	3679.6	3721.5	3684.1	3603.3	3546.4	3506.0	3513.5
25°	3604.8	3613.8	3648.2	3709.6	3785.9	3836.8	3784.4	3693.1	3613.8	3564.4	3571.8
27.5°	3718.6	3723.0	3768.0	3848.8	3943.1	4001.5	3938.6	3830.8	3742.5	3685.6	3691.6
30°	3868.3	3881.7	3926.6	4032.9	4145.2	4223.0	4140.7	4013.5	3911.7	3842.8	3848.8
32.5°	4050.9	4059.9	4127.2	4238.0	4399.7	4489.5	4377.2	4226.0	4103.3	4019.4	4025.4
35°	4290.4	4297.9	4362.3	4503.0	4699.1	4782.9	4654.2	4480.5	4338.3	4259.0	4281.4
37.5°	4576.3	4589.8	4636.2	4775.4	4994.0	5076.3	4928.1	4766.5	4618.2	4544.9	4561.4
40°	4883.2	4881.7	4919.1	5041.9	5241.0	5291.9	5158.7	5029.9	4902.7	4854.8	4881.7
42.5°	5146.7	5139.2	5166.2	5267.9	5405.7	5410.2	5321.8	5250.0	5160.2	5127.2	5152.7
45°	5330.8	5333.8	5374.2	5444.6	5515.0	5477.5	5450.6	5438.6	5368.2	5323.3	5327.8
47.5°	5476.0	5488.0	5552.4	5600.3	5609.3	5546.4	5583.8	5601.8	5543.4	5474.5	5455.1
50°	5604.8	5624.2	5708.1	5759.0	5739.5	5660.2	5733.5	5760.5	5631.7	5500.0	5461.1
52.5°	5838.3	5860.8	5962.6	6028.4	6006.0	5926.6	5995.5	5899.7	5682.6	5520.9	5471.5
55°	6211.1	6221.5	6345.8	6453.6	6443.1	6345.8	6290.4	6077.8	5814.4	5646.7	5600.3
57.5°	6131.7	6149.7	6365.2	6652.7	6814.3	6726.0	6401.2	6038.9	5681.1	5479.0	5416.1
60°	4824.8	4868.2	5136.2	5642.2	6235.0	6233.5	5630.2	5067.3	4636.2	4368.2	4341.3
62.5°	2817.4	2847.3	3091.3	3603.3	4134.7	4167.7	3744.0	3357.8	2980.5	2799.4	2712.6
65°	1333.8	1332.3	1429.6	1660.2	2019.5	2047.9	1920.7	1709.6	1486.5	1425.1	1408.7
67.5°	985.0	985.0	977.5	994.0	1062.9	1077.8	1062.9	1028.4	1007.5	1021.0	1012.0
70°	854.8	856.3	847.3	842.8	842.8	838.3	844.3	857.8	866.8	884.7	875.7
72.5°	693.1	694.6	694.6	696.1	697.6	691.6	700.6	708.1	709.6	715.6	709.6
75°	492.5	495.5	504.5	512.0	518.0	518.0	521.0	522.5	516.5	524.0	512.0
77.5°	271.0	274.0	290.4	303.9	317.4	318.9	323.4	326.3	323.4	329.3	320.4
80°	149.7	152.7	160.2	166.2	176.6	185.6	191.6	194.6	194.6	199.1	194.6
82.5°	85.3	88.3	92.8	95.8	104.8	112.3	118.3	122.8	122.8	124.3	121.3
85°	40.4	40.4	43.4	46.4	50.9	53.9	61.4	65.9	65.9	68.9	65.9
87.5°	6.0	7.5	9.0	9.0	12.0	15.0	18.0	19.5	22.5	24.0	24.0
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)