

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: P641650

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641650  
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-SA6B-735-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

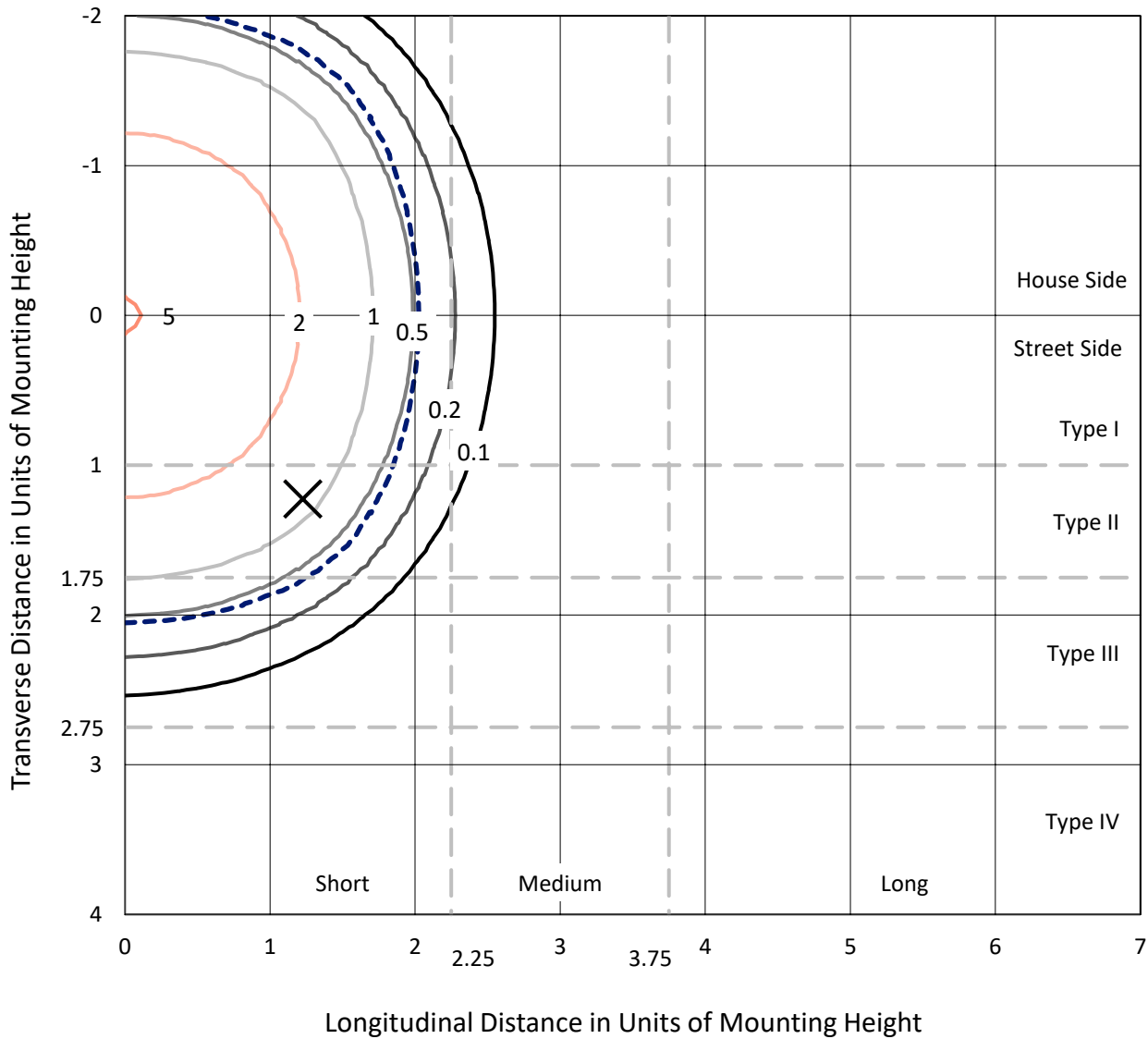
Lumens per Lamp: N/A  
Luminaire Lumens: 17636.1 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

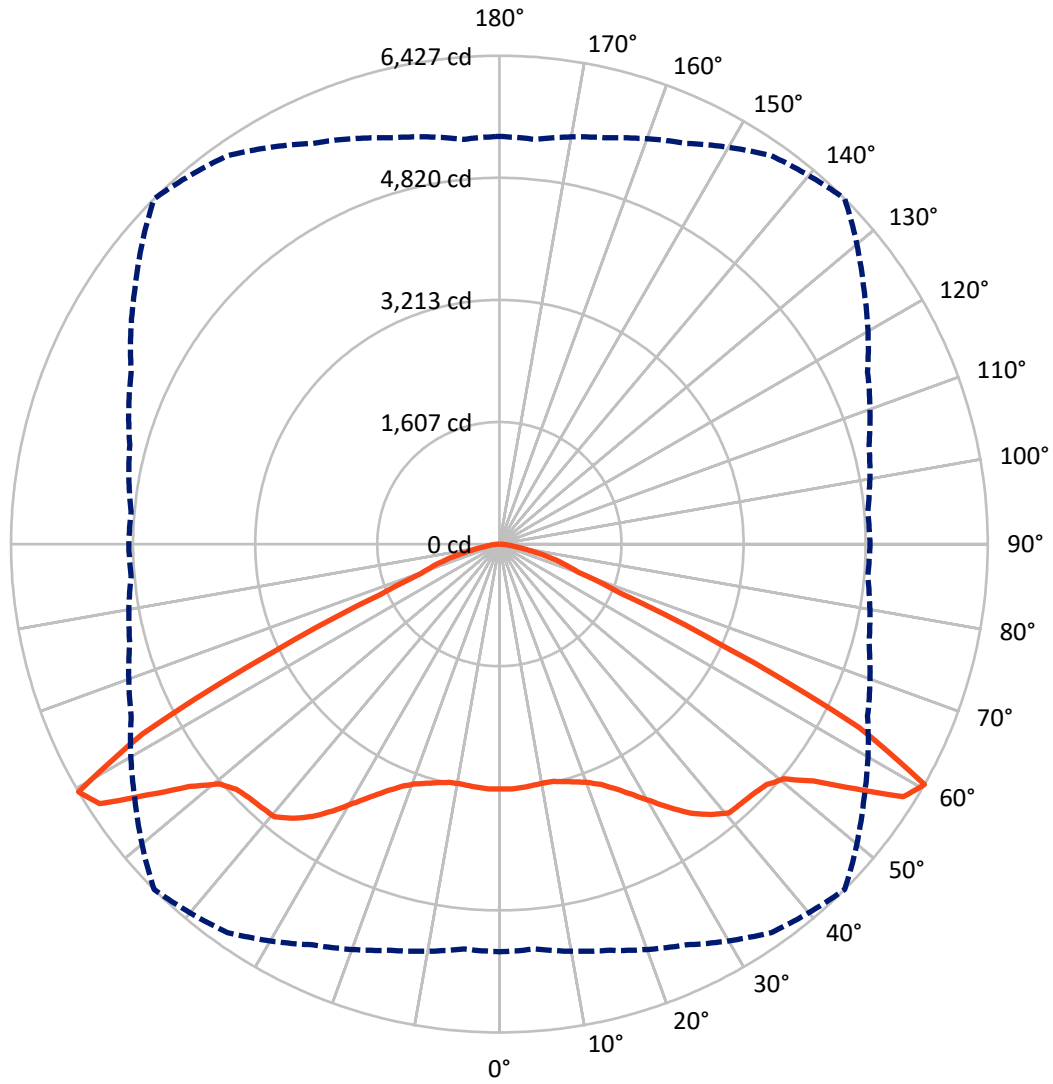
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	8818.1	0.0	8818.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8818.1	0.0	8818.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17636.1	0.0	17636.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.6	1.7
10°-20°	919.4	5.2
20°-30°	1626.5	9.2
30°-40°	2618.7	14.8
40°-50°	3599.3	20.4
50°-60°	4796.5	27.2
60°-70°	2989.4	17.0
70°-80°	687.4	3.9
80°-90°	93.3	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°	17636.1	100.0
0°-180°	17636.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641650

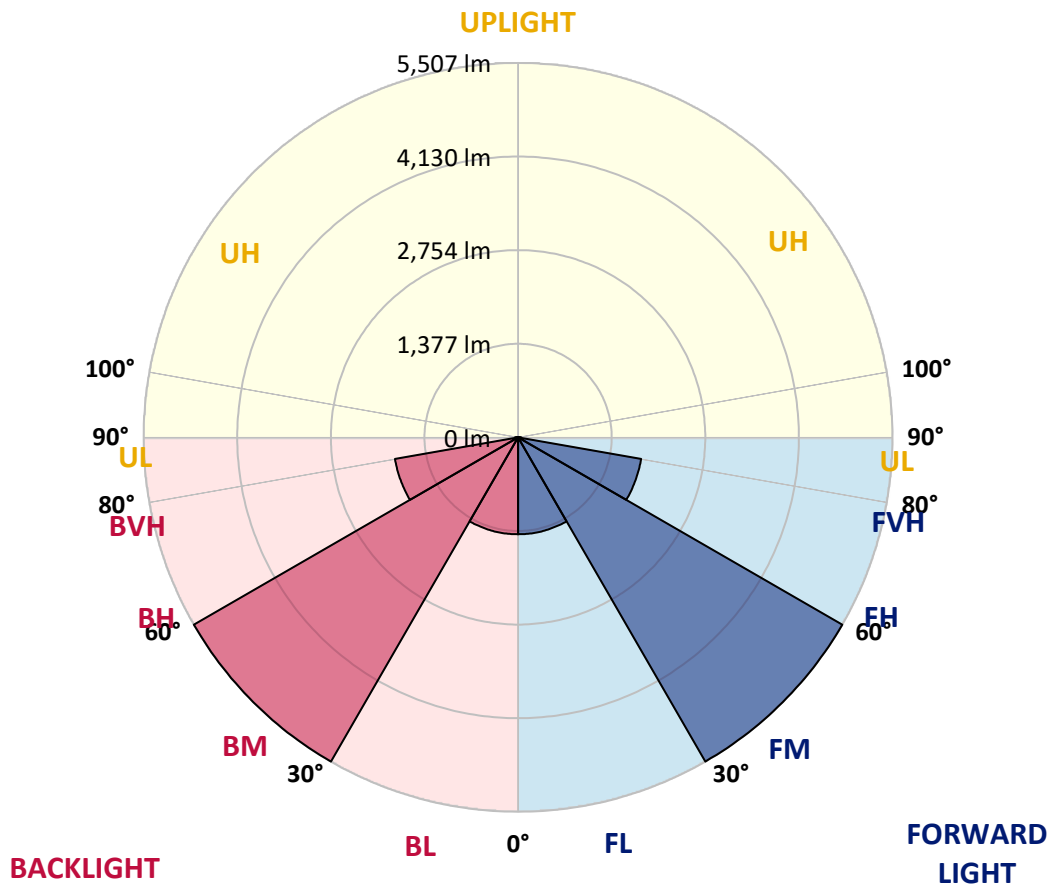
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1425.8	8.1			
FM (30°-60°)	5507.3	31.2			
FH (60°-80°)	1838.4	10.4			G2/5000
FVH (80°-90°)	46.6	0.3			G1/100
BL (0°-30°)	1425.8	8.1	B3/2500		
BM (30°-60°)	5507.3	31.2	B4/8500		
BH (60°-80°)	1838.4	10.4	B3/2500		G2/5000
BVH (80°-90°)	46.6	0.3			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°	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0	3223.0
2.5°	3200.5	3203.5	3209.5	3214.0	3220.0	3226.0	3229.0	3223.0	3220.0	3208.0	3221.5
5°	3203.5	3206.5	3211.0	3211.0	3212.5	3217.0	3217.0	3209.5	3202.0	3188.5	3203.5
7.5°	3199.0	3202.0	3203.5	3202.0	3203.5	3205.0	3202.0	3193.0	3185.5	3173.6	3185.5
10°	3191.5	3194.5	3197.5	3194.5	3191.5	3196.0	3196.0	3190.0	3185.5	3173.6	3187.0
12.5°	3208.0	3212.5	3214.0	3206.5	3203.5	3205.0	3205.0	3199.0	3199.0	3188.5	3203.5
15°	3246.9	3249.9	3245.4	3236.4	3237.9	3242.4	3232.0	3217.0	3214.0	3209.5	3221.5
17.5°	3276.9	3279.9	3275.4	3269.4	3279.9	3290.3	3270.9	3242.4	3233.5	3230.5	3243.9
20°	3309.8	3314.3	3308.3	3315.8	3336.7	3348.7	3324.8	3285.8	3267.9	3263.4	3279.9
22.5°	3363.7	3369.7	3369.7	3386.1	3417.6	3437.0	3407.1	3354.7	3327.8	3320.3	3336.7
25°	3449.0	3453.5	3458.0	3490.9	3541.8	3568.8	3520.9	3449.0	3411.6	3399.6	3408.6
27.5°	3567.3	3574.8	3582.2	3630.1	3693.0	3731.9	3663.1	3573.3	3526.9	3502.9	3520.9
30°	3708.0	3718.5	3736.4	3790.3	3878.6	3922.1	3833.7	3724.5	3672.1	3646.6	3670.6
32.5°	3899.6	3901.1	3914.6	3974.4	4091.2	4140.6	4029.8	3908.6	3854.7	3824.8	3838.2
35°	4127.1	4128.6	4107.7	4169.1	4294.8	4350.2	4220.0	4097.2	4052.3	4043.3	4077.7
37.5°	4360.7	4347.2	4326.2	4353.2	4480.4	4516.4	4378.6	4273.8	4254.4	4270.8	4321.7
40°	4526.8	4504.4	4462.5	4481.9	4610.7	4652.6	4505.9	4407.1	4401.1	4441.5	4502.9
42.5°	4634.6	4610.7	4561.3	4561.3	4649.6	4667.5	4553.8	4501.4	4514.9	4561.3	4619.6
45°	4687.0	4673.5	4645.1	4630.1	4679.5	4687.0	4600.2	4579.2	4604.7	4627.1	4672.0
47.5°	4727.4	4727.4	4718.4	4703.5	4725.9	4730.4	4666.0	4660.1	4693.0	4693.0	4722.9
50°	4799.3	4806.8	4818.7	4815.7	4839.7	4854.7	4806.8	4797.8	4811.3	4767.8	4782.8
52.5°	4987.9	5007.4	5041.8	5068.7	5130.1	5176.5	5091.2	5019.3	4949.0	4853.2	4856.2
55°	5326.2	5335.2	5402.6	5481.9	5585.2	5679.5	5504.4	5281.3	5128.6	5016.3	5017.8
57.5°	5612.1	5625.6	5724.4	5890.6	6122.6	6269.3	5881.6	5508.8	5293.3	5155.6	5160.0
60°	5365.1	5347.2	5534.3	5818.7	6239.4	6426.5	5854.6	5345.7	5035.8	4865.1	4877.1
62.5°	4151.1	4116.7	4324.7	4622.6	5127.1	5314.2	4787.3	4299.3	4005.9	3872.7	3853.2
65°	2526.9	2495.4	2645.1	2827.8	3169.1	3287.3	3046.3	2787.4	2531.4	2450.5	2428.1
67.5°	1375.7	1371.2	1411.6	1501.5	1651.2	1706.5	1660.1	1537.4	1471.5	1414.6	1414.6
70°	1091.3	1082.3	1074.8	1076.3	1089.8	1097.3	1098.8	1092.8	1100.3	1101.8	1095.8
72.5°	904.2	901.2	886.2	887.7	881.7	878.7	889.2	895.2	907.2	908.7	908.7
75°	655.7	648.2	655.7	657.2	651.2	651.2	658.7	657.2	663.2	666.2	649.7
77.5°	372.7	372.7	383.2	395.2	404.2	404.2	411.7	411.7	419.2	417.7	414.7
80°	205.1	205.1	211.1	218.6	227.5	236.5	244.0	245.5	250.0	248.5	244.0
82.5°	116.8	118.3	121.3	125.7	134.7	142.2	149.7	151.2	155.7	155.7	151.2
85°	55.4	53.9	55.4	58.4	62.9	68.9	76.3	80.8	83.8	83.8	80.8
87.5°	10.5	12.0	10.5	12.0	13.5	18.0	21.0	24.0	28.4	29.9	26.9
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)