

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: P642141

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

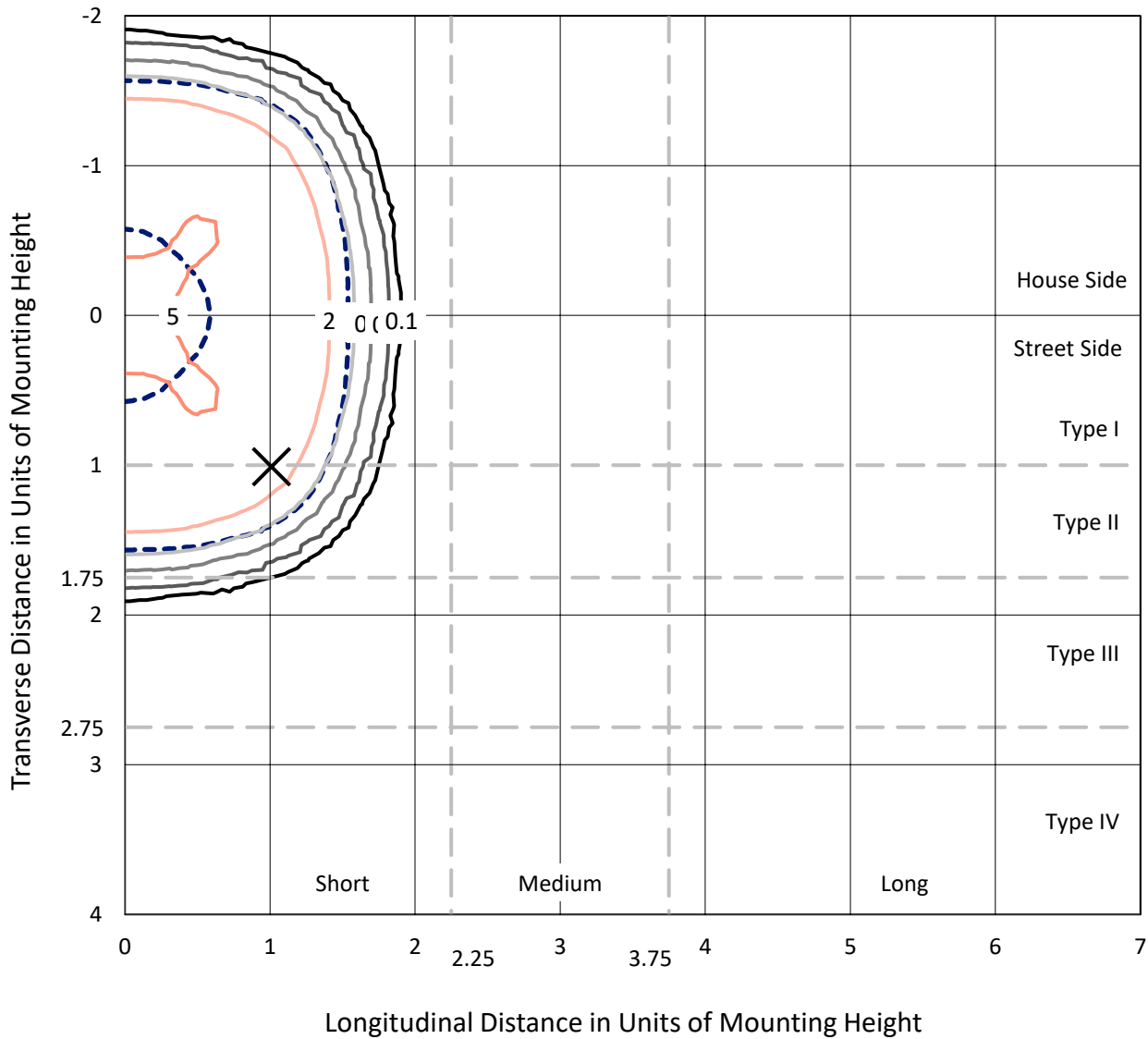
Lumens per Lamp: N/A  
Luminaire Lumens: 19707 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

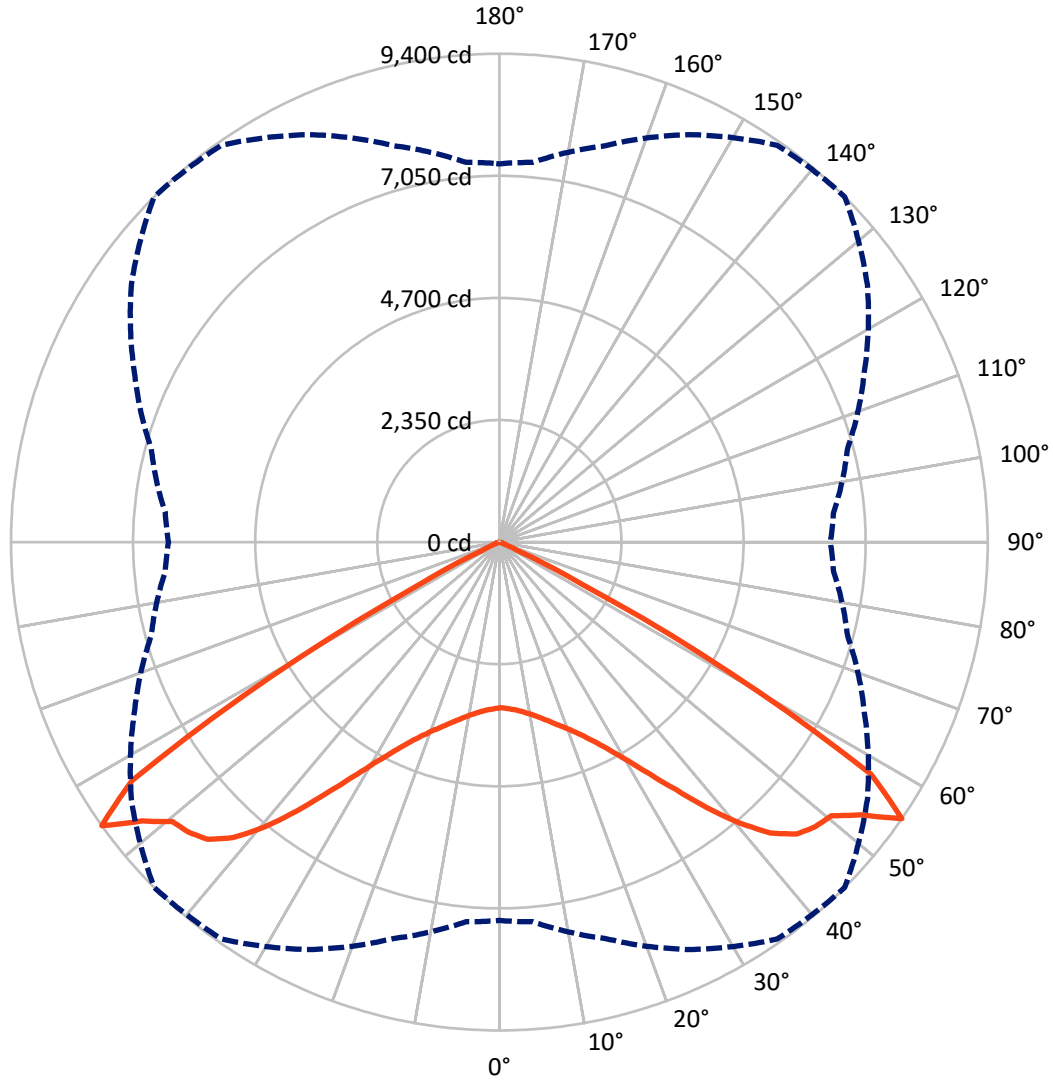
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9853.5	0.0	9853.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9853.5	0.0	9853.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19707.0	0.0	19707.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	312.2	1.6
10°-20°	1011.9	5.1
20°-30°	1959.8	9.9
30°-40°	3511.0	17.8
40°-50°	5886.5	29.9
50°-60°	6301.2	32.0
60°-70°	692.4	3.5
70°-80°	30.5	0.2
80°-90°	1.4	0.0
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°	19707.0	100.0
0°-180°	19707.0	100.0

**Coefficient of Utilization**



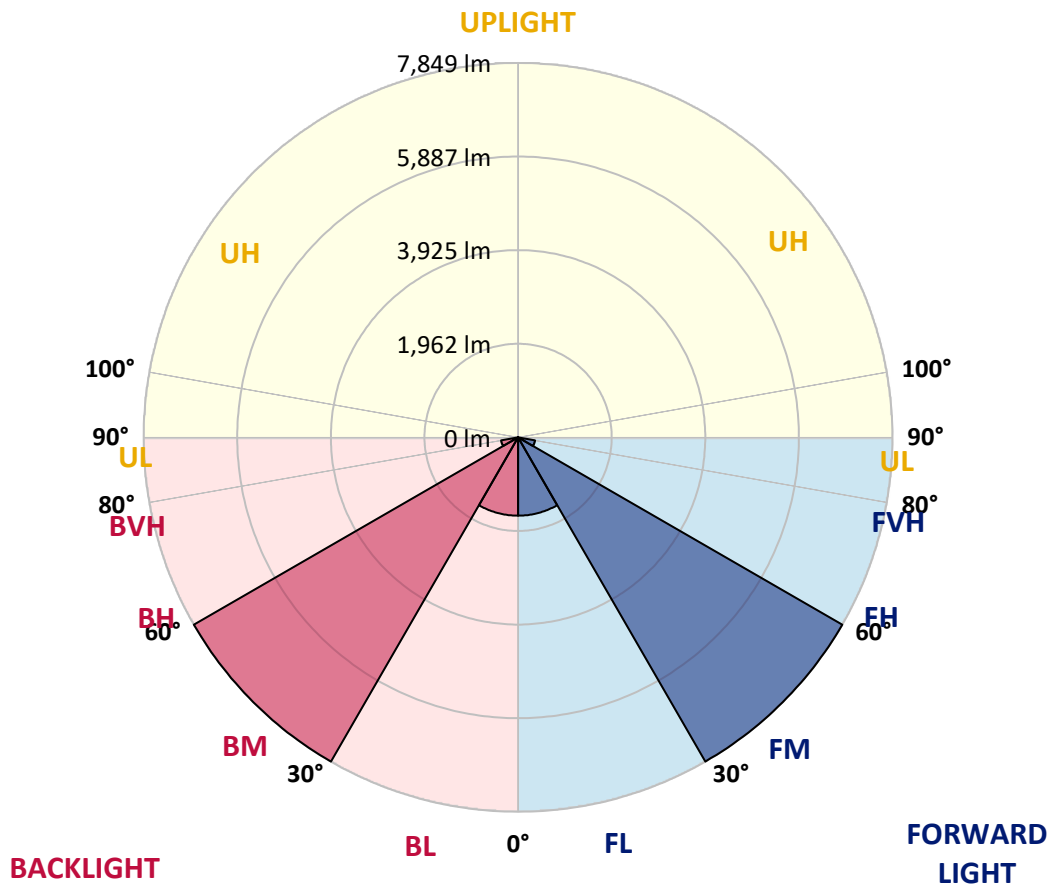
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1642.0	8.3			
FM (30°-60°)	7849.4	39.8			
FH (60°-80°)	361.5	1.8			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1642.0	8.3	B3/2500		
BM (30°-60°)	7849.4	39.8	B4/8500		
BH (60°-80°)	361.5	1.8	B1/500		G0/660
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2
2.5°	3180.2	3180.2	3188.2	3194.3	3194.3	3210.3	3204.3	3198.3	3198.3	3190.3	3206.3
5°	3226.4	3224.4	3232.4	3236.4	3228.4	3244.5	3234.4	3228.4	3224.4	3216.4	3232.4
7.5°	3276.6	3278.6	3280.6	3288.6	3284.6	3300.7	3292.7	3280.6	3276.6	3264.5	3280.6
10°	3336.8	3336.8	3340.8	3350.9	3352.9	3373.0	3364.9	3350.9	3338.8	3326.8	3342.8
12.5°	3413.1	3415.1	3421.1	3435.2	3443.2	3465.3	3453.3	3425.2	3407.1	3393.0	3411.1
15°	3523.5	3521.5	3529.6	3549.6	3559.7	3575.7	3557.7	3519.5	3497.4	3481.4	3493.4
17.5°	3644.0	3644.0	3648.0	3668.1	3682.1	3706.2	3684.2	3638.0	3617.9	3595.8	3607.9
20°	3776.5	3782.5	3786.5	3800.6	3824.7	3848.8	3830.7	3784.5	3762.5	3734.3	3748.4
22.5°	3951.2	3945.2	3947.2	3971.3	4005.4	4029.5	4015.4	3961.2	3923.1	3901.0	3909.0
25°	4145.9	4143.9	4149.9	4186.1	4224.2	4250.3	4230.3	4160.0	4121.8	4083.7	4099.8
27.5°	4384.8	4386.9	4390.9	4435.0	4495.3	4533.4	4483.2	4413.0	4360.8	4310.6	4322.6
30°	4667.9	4663.9	4676.0	4736.2	4824.5	4884.8	4826.5	4728.2	4653.9	4605.7	4611.7
32.5°	4969.1	4973.1	5005.2	5101.6	5218.0	5324.5	5206.0	5075.5	4979.1	4888.8	4900.8
35°	5294.3	5304.4	5376.7	5519.2	5709.9	5852.5	5687.9	5473.0	5336.5	5220.1	5224.1
37.5°	5677.8	5701.9	5802.3	6015.1	6288.2	6478.9	6238.0	5952.9	5776.2	5631.6	5621.6
40°	6181.8	6209.9	6346.4	6599.4	6930.6	7105.3	6826.2	6533.1	6314.3	6157.7	6133.6
42.5°	6760.0	6796.1	6944.7	7203.7	7535.0	7653.4	7380.4	7133.4	6936.7	6751.9	6743.9
45°	7412.5	7432.6	7553.0	7751.8	7990.7	8018.8	7814.0	7677.5	7478.7	7306.1	7292.0
47.5°	8024.8	8044.9	8127.2	8229.6	8285.8	8185.4	8149.3	8089.1	7832.1	7619.3	7575.1
50°	8490.6	8506.7	8609.1	8649.2	8492.6	8279.8	8350.1	8221.6	7942.5	7703.6	7635.3
52.5°	8458.5	8498.7	8761.7	8990.5	8892.2	8719.5	8530.8	8253.7	7820.0	7492.8	7408.5
55°	7282.0	7336.2	7900.4	8653.2	9325.8	9400.1	8645.2	7751.8	6936.7	6456.8	6370.5
57.5°	4680.0	4694.0	5382.7	6438.7	7954.6	8432.4	7169.5	5844.5	4830.6	4302.5	4266.4
60°	1720.6	1692.5	2212.5	3087.9	4581.6	5087.5	4220.2	2955.4	2108.1	1734.7	1704.5
62.5°	413.6	417.6	518.0	777.0	1437.5	1778.8	1405.4	785.0	499.9	419.6	415.6
65°	208.8	204.8	206.8	222.9	307.2	367.4	301.2	212.8	204.8	206.8	204.8
67.5°	134.5	132.5	136.5	138.5	136.5	128.5	126.5	130.5	130.5	132.5	128.5
70°	82.3	80.3	84.3	90.3	86.3	76.3	80.3	84.3	80.3	78.3	78.3
72.5°	44.2	44.2	48.2	52.2	48.2	44.2	44.2	46.2	44.2	44.2	44.2
75°	20.1	20.1	22.1	24.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
77.5°	6.0	6.0	8.0	8.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0
80°	2.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
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)