

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: P643131

Luminaire Tested: GWS-SA6E-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643131  
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-SAGE-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**

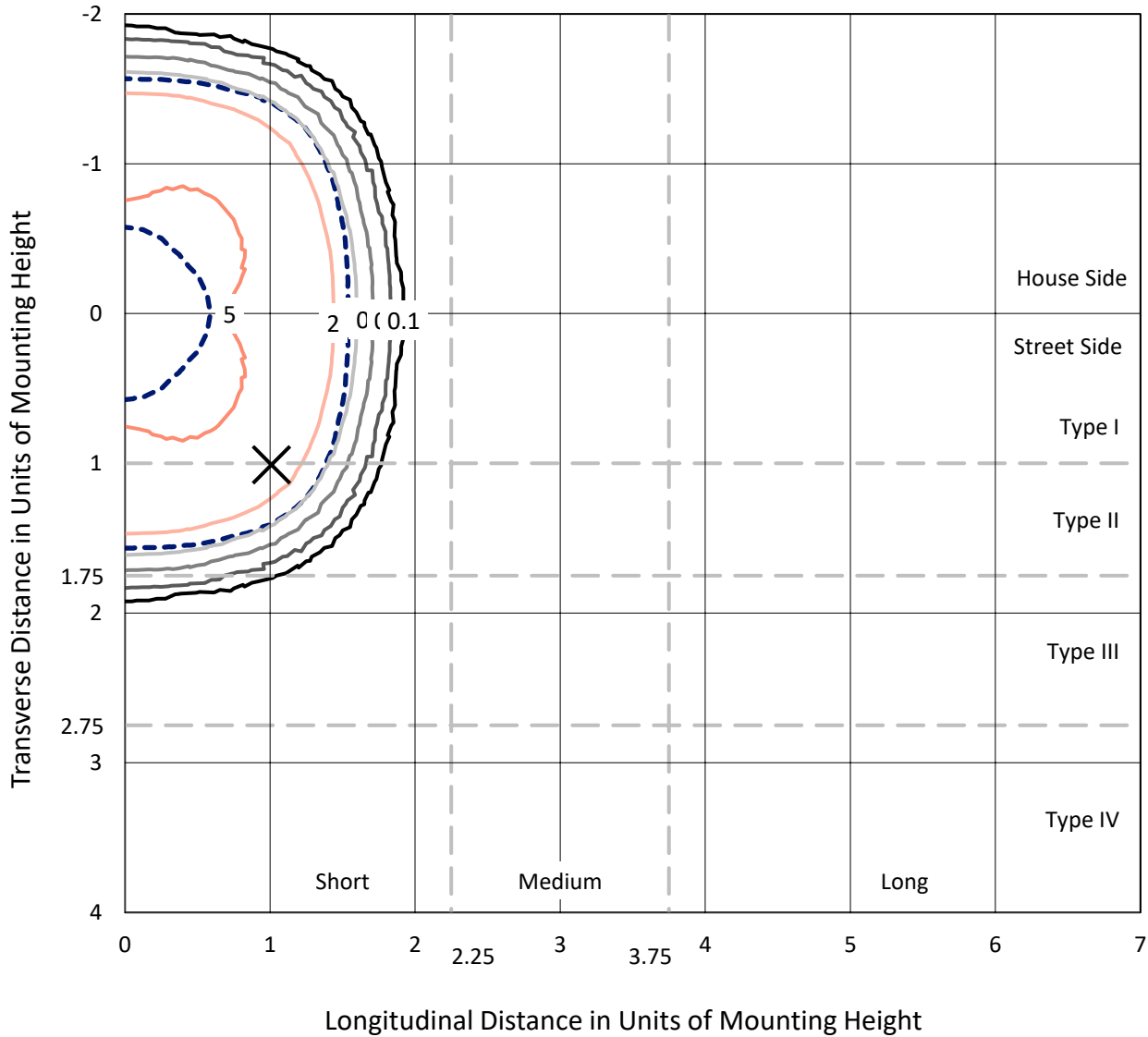
Lumens per Lamp: N/A  
Luminaire Lumens: 31068.2 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

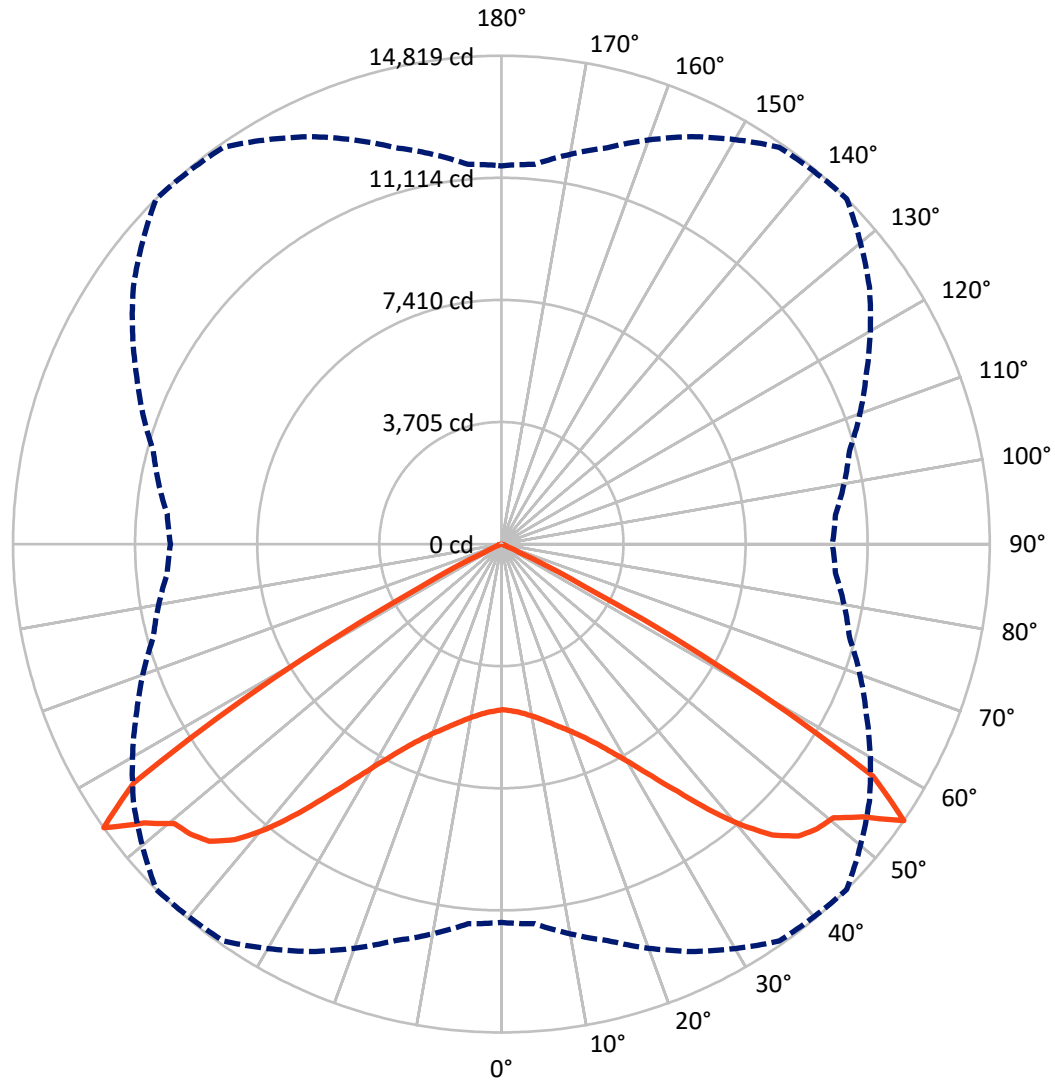
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 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 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15534.1	0.0	15534.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15534.1	0.0	15534.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31068.2	0.0	31068.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	492.2	1.6
10°-20°	1595.3	5.1
20°-30°	3089.6	9.9
30°-40°	5535.2	17.8
40°-50°	9280.1	29.9
50°-60°	9933.9	32.0
60°-70°	1091.6	3.5
70°-80°	48.1	0.2
80°-90°	2.3	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°	31068.2	100.0
0°-180°	31068.2	100.0

**Coefficient of Utilization**



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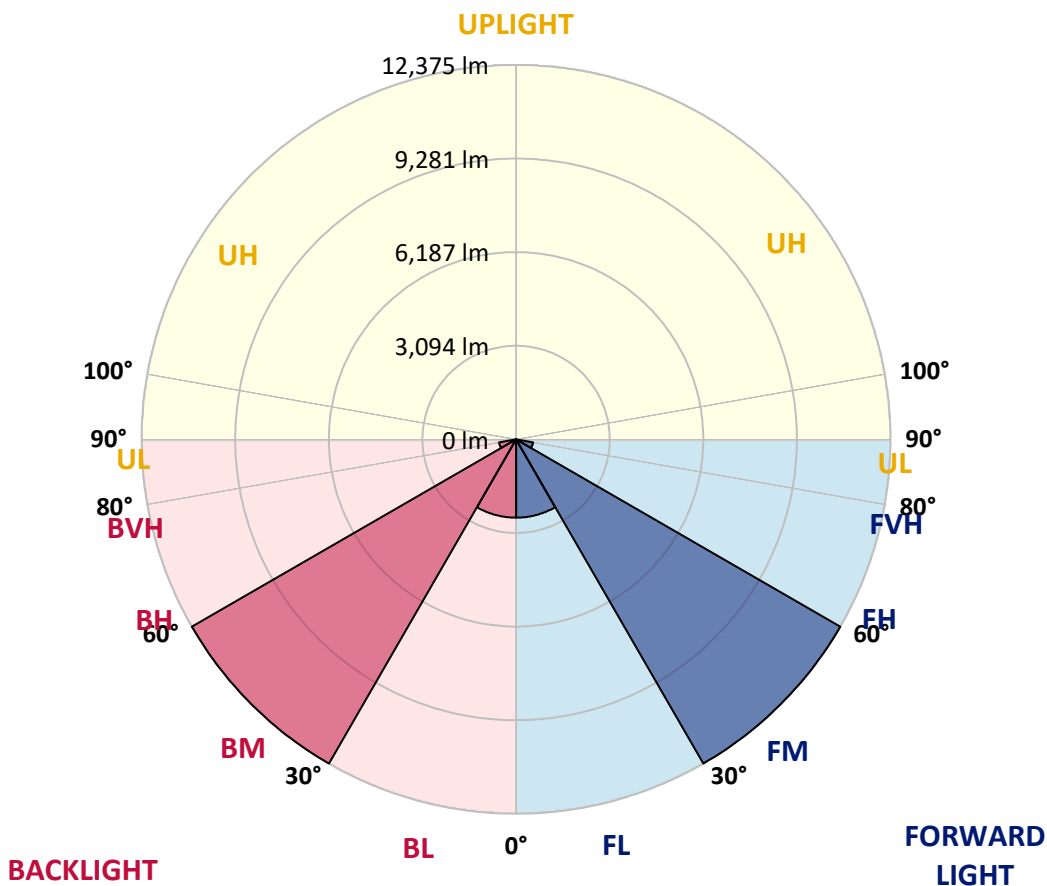
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2588.5	8.3			
FM (30°-60°)	12374.6	39.8			
FH (60°-80°)	569.8	1.8			G0/660
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	2588.5	8.3	B4/5000		
BM (30°-60°)	12374.6	39.8	B5		
BH (60°-80°)	569.8	1.8	B2/1000		G0/660
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5023.1	5023.1	5023.1	5023.1	5023.1	5023.1	5023.1	5023.1	5023.1	5023.1	5023.1
2.5°	5013.6	5013.6	5026.3	5035.8	5035.8	5061.1	5051.6	5042.1	5042.1	5029.5	5054.8
5°	5086.4	5083.3	5095.9	5102.3	5089.6	5114.9	5099.1	5089.6	5083.3	5070.6	5095.9
7.5°	5165.6	5168.7	5171.9	5184.6	5178.2	5203.5	5190.9	5171.9	5165.6	5146.6	5171.9
10°	5260.5	5260.5	5266.8	5282.7	5285.8	5317.5	5304.8	5282.7	5263.7	5244.7	5270.0
12.5°	5380.8	5384.0	5393.5	5415.6	5428.3	5463.1	5444.1	5399.8	5371.3	5349.1	5377.6
15°	5554.9	5551.7	5564.4	5596.0	5611.9	5637.2	5608.7	5548.5	5513.7	5488.4	5507.4
17.5°	5744.8	5744.8	5751.1	5782.8	5804.9	5842.9	5808.1	5735.3	5703.6	5668.8	5687.8
20°	5953.7	5963.2	5969.5	5991.7	6029.7	6067.6	6039.1	5966.4	5931.5	5887.2	5909.4
22.5°	6229.1	6219.6	6222.7	6260.7	6314.5	6352.5	6330.3	6244.9	6184.7	6149.9	6162.6
25°	6536.1	6532.9	6542.4	6599.4	6659.5	6700.7	6669.0	6558.2	6498.1	6438.0	6463.3
27.5°	6912.7	6915.9	6922.2	6991.9	7086.8	7147.0	7067.8	6957.0	6874.8	6795.6	6814.6
30°	7359.0	7352.7	7371.7	7466.6	7605.9	7700.9	7609.1	7454.0	7336.9	7260.9	7270.4
32.5°	7833.8	7840.1	7890.8	8042.7	8226.3	8394.0	8207.3	8001.6	7849.6	7707.2	7726.2
35°	8346.6	8362.4	8476.3	8701.1	9001.8	9226.5	8966.9	8628.3	8413.0	8229.4	8235.8
37.5°	8951.1	8989.1	9147.3	9482.9	9913.3	10214.0	9834.2	9384.7	9106.2	8878.3	8862.5
40°	9745.6	9789.9	10005.1	10403.9	10926.2	11201.5	10761.6	10299.5	9954.5	9707.6	9669.6
42.5°	10657.1	10714.1	10948.3	11356.6	11878.9	12065.6	11635.2	11245.9	10935.7	10644.5	10631.8
45°	11685.8	11717.5	11907.4	12220.7	12597.4	12641.7	12318.9	12103.6	11790.3	11518.1	11495.9
47.5°	12651.2	12682.8	12812.6	12974.0	13062.7	12904.4	12847.4	12752.5	12347.3	12011.8	11942.2
50°	13385.5	13410.8	13572.3	13635.6	13388.7	13053.2	13164.0	12961.4	12521.4	12144.8	12037.2
52.5°	13334.9	13398.2	13812.8	14173.6	14018.6	13746.3	13448.8	13012.0	12328.3	11812.4	11679.5
55°	11480.1	11565.5	12455.0	13641.9	14702.2	14819.3	13629.2	12220.7	10935.7	10179.2	10043.1
57.5°	7378.0	7400.2	8485.8	10150.7	12540.4	13293.7	11302.8	9213.8	7615.4	6783.0	6726.0
60°	2712.6	2668.2	3488.0	4868.0	7222.9	8020.5	6653.2	4659.1	3323.4	2734.7	2687.2
62.5°	652.0	658.4	816.6	1224.9	2266.3	2804.3	2215.6	1237.6	788.1	661.5	655.2
65°	329.2	322.8	326.0	351.3	484.3	579.2	474.8	335.5	322.8	326.0	322.8
67.5°	212.1	208.9	215.2	218.4	215.2	202.6	199.4	205.7	205.7	208.9	202.6
70°	129.8	126.6	132.9	142.4	136.1	120.3	126.6	132.9	126.6	123.4	123.4
72.5°	69.6	69.6	76.0	82.3	76.0	69.6	69.6	72.8	69.6	69.6	69.6
75°	31.7	31.7	34.8	38.0	31.7	31.7	31.7	31.7	31.7	31.7	31.7
77.5°	9.5	9.5	12.7	12.7	9.5	9.5	9.5	9.5	12.7	12.7	12.7
80°	3.2	6.3	6.3	3.2	3.2	3.2	3.2	3.2	6.3	6.3	6.3
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
85°	3.2	3.2	3.2	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
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)