

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: P643133

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643133  
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-SAGE-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**

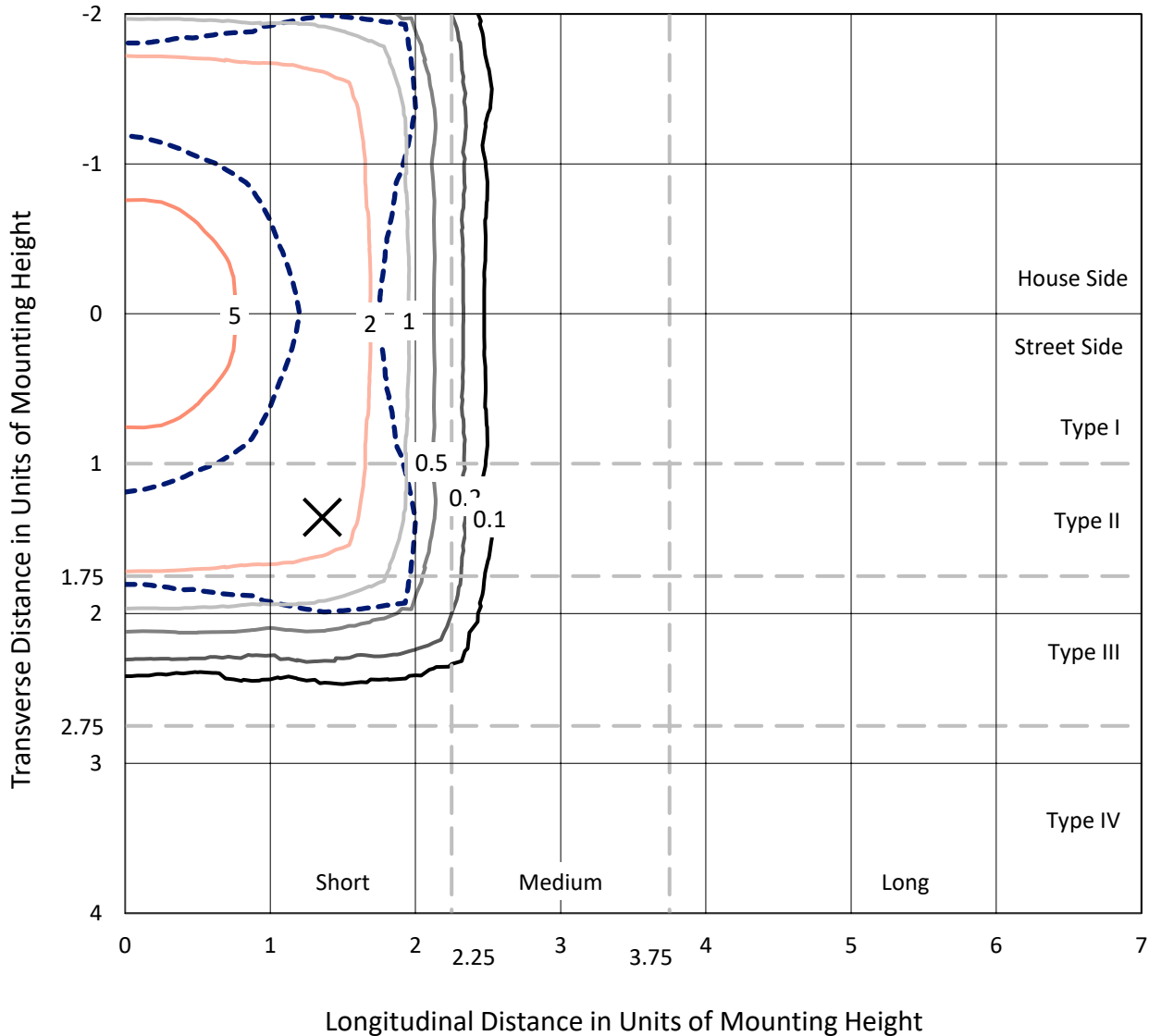
Lumens per Lamp: N/A  
Luminaire Lumens: 46146.6 lumens  
Efficiency: N/A  
Efficacy: 142.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

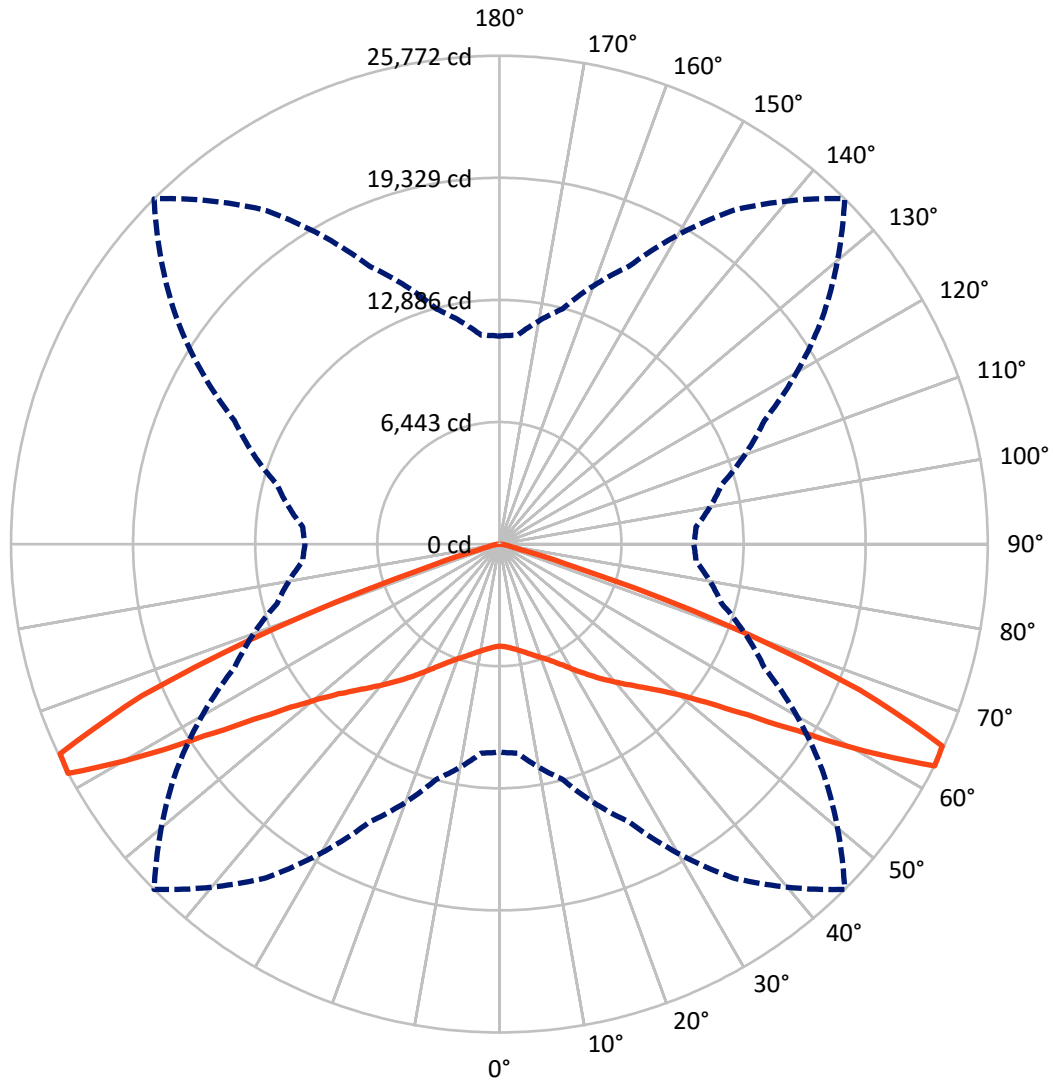
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.1 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	23073.3	0.0	23073.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23073.3	0.0	23073.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	46146.6	0.0	46146.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	528.2	1.1
10°-20°	1703.4	3.7
20°-30°	3222.6	7.0
30°-40°	5424.1	11.8
40°-50°	8666.1	18.8
50°-60°	13969.3	30.3
60°-70°	11397.4	24.7
70°-80°	1106.8	2.4
80°-90°	128.8	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°	46146.6	100.0
0°-180°	46146.6	100.0

**Coefficient of Utilization**



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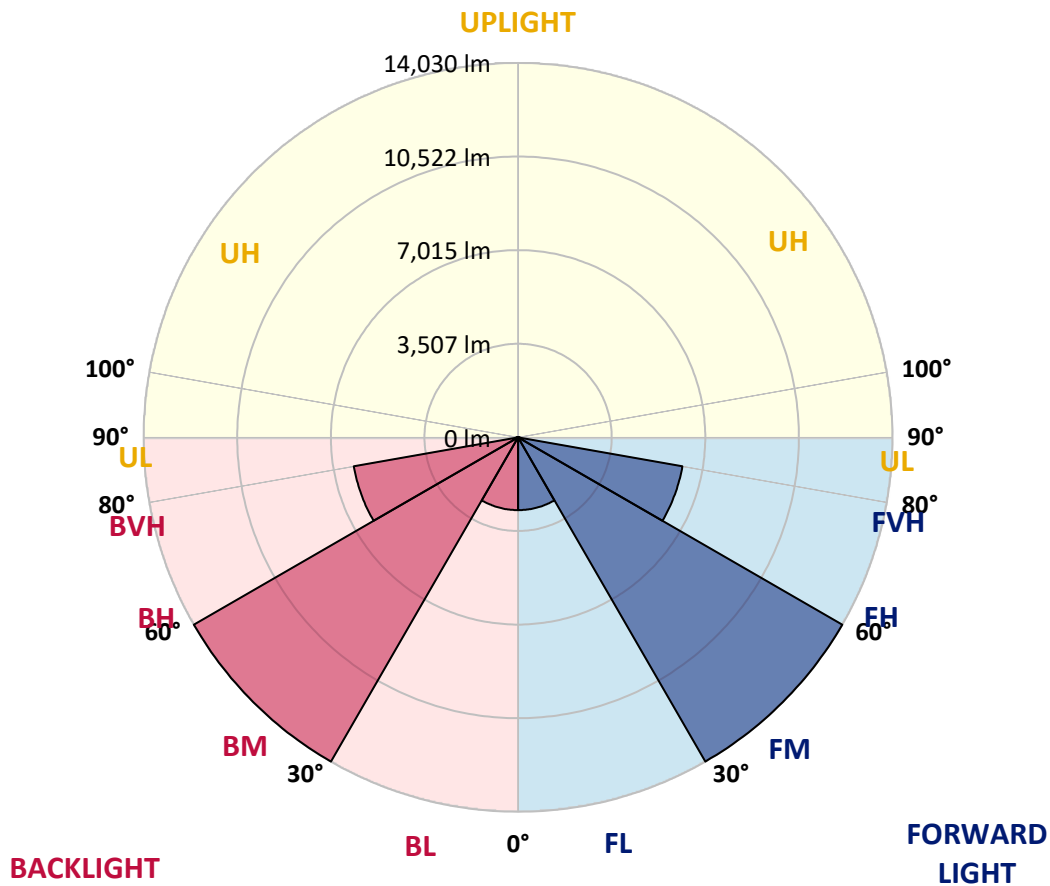
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2727.1	5.9			
FM (30°-60°)	14029.7	30.4			
FH (60°-80°)	6252.1	13.5			G3/7500
FVH (80°-90°)	64.4	0.1			G1/100
BL (0°-30°)	2727.1	5.9	B4/5000		
BM (30°-60°)	14029.7	30.4	B5		
BH (60°-80°)	6252.1	13.5	B5		G3/7500
BVH (80°-90°)	64.4	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-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5383.6	5383.6	5383.6	5383.6	5383.6	5383.6	5383.6	5383.6	5383.6	5383.6	5383.6
2.5°	5377.3	5377.3	5390.0	5399.4	5393.1	5418.4	5415.3	5408.9	5405.8	5396.3	5424.8
5°	5450.1	5450.1	5459.6	5469.1	5453.3	5484.9	5472.2	5465.9	5462.7	5450.1	5475.4
7.5°	5532.4	5541.9	5545.0	5560.9	5551.4	5586.2	5576.7	5564.0	5557.7	5541.9	5564.0
10°	5624.2	5630.5	5633.7	5662.1	5665.3	5706.5	5697.0	5681.1	5668.5	5652.6	5684.3
12.5°	5747.6	5750.8	5760.3	5795.1	5804.6	5836.2	5833.0	5810.9	5795.1	5772.9	5807.7
15°	5905.8	5909.0	5924.8	5959.6	5975.5	6013.5	6000.8	5966.0	5943.8	5918.5	5947.0
17.5°	6070.4	6083.1	6098.9	6133.7	6155.9	6200.2	6184.4	6146.4	6127.4	6102.1	6121.1
20°	6282.5	6285.6	6295.1	6333.1	6348.9	6399.6	6402.7	6364.8	6355.3	6330.0	6358.4
22.5°	6516.7	6519.8	6529.3	6570.5	6599.0	6630.6	6649.6	6627.5	6611.6	6580.0	6614.8
25°	6776.2	6807.9	6817.4	6868.0	6899.6	6918.6	6940.8	6931.3	6909.1	6871.2	6887.0
27.5°	7140.2	7146.5	7162.3	7219.3	7238.3	7257.3	7279.4	7282.6	7251.0	7206.6	7228.8
30°	7554.8	7551.6	7586.4	7630.8	7646.6	7662.4	7694.1	7713.0	7671.9	7624.4	7646.6
32.5°	7978.9	8016.9	8061.2	8102.3	8092.8	8099.2	8149.8	8184.6	8127.7	8042.2	8061.2
35°	8456.8	8482.1	8539.1	8599.2	8586.6	8577.1	8608.7	8643.5	8564.4	8453.6	8482.1
37.5°	8947.4	8985.4	9070.8	9143.6	9124.6	9080.3	9115.1	9153.1	9077.1	8950.6	8937.9
40°	9494.9	9555.1	9678.5	9738.6	9688.0	9602.5	9662.7	9754.5	9678.5	9532.9	9498.1
42.5°	10137.4	10210.2	10333.6	10425.4	10314.7	10175.4	10276.7	10409.6	10390.6	10197.6	10137.4
45°	10931.8	10979.3	11131.2	11175.5	11010.9	10817.9	11001.5	11204.0	11156.5	10947.6	10868.5
47.5°	11795.9	11868.7	12001.6	12083.9	11818.0	11577.5	11833.8	12106.0	12055.4	11859.2	11767.4
50°	12897.3	12992.2	13166.3	13235.9	12868.8	12593.4	12922.6	13267.6	13169.5	12906.8	12786.5
52.5°	14096.8	14172.8	14470.3	14609.5	14264.5	13967.0	14255.0	14593.7	14384.8	14036.7	13875.3
55°	15153.9	15229.9	15666.6	16128.7	16112.9	15907.2	16052.8	16059.1	15492.6	14916.5	14745.6
57.5°	15381.8	15457.7	16290.1	17499.1	18353.7	18591.1	18163.8	17264.9	15837.5	14827.9	14634.8
60°	14166.4	14251.9	15574.8	17784.0	20594.5	22180.1	20211.5	17239.6	14770.9	13403.7	13220.1
62.5°	10976.1	11067.9	12846.6	16163.5	21499.7	25772.4	20806.5	15426.1	12150.3	10419.1	10257.7
65°	5241.2	5241.2	7501.0	11593.3	19695.6	25686.9	19084.8	11412.9	7314.3	5617.8	5478.6
67.5°	1297.6	1304.0	1930.6	4513.3	13397.3	20499.5	13615.7	5478.6	2576.3	1823.0	1775.6
70°	810.2	807.1	895.7	1221.7	4687.3	12441.5	5567.2	1652.1	1047.6	924.2	917.8
72.5°	629.8	629.8	674.1	781.7	1228.0	4237.9	1623.6	917.8	759.6	683.6	683.6
75°	496.9	496.9	528.6	585.5	724.8	1091.9	864.0	680.5	588.7	538.0	531.7
77.5°	370.3	376.6	402.0	439.9	493.7	614.0	547.5	512.7	458.9	420.9	408.3
80°	240.5	250.0	281.7	303.8	322.8	405.1	357.6	373.5	348.1	303.8	297.5
82.5°	129.8	132.9	170.9	177.2	183.6	221.5	227.9	237.4	246.9	193.1	180.4
85°	47.5	47.5	57.0	66.5	72.8	79.1	107.6	132.9	139.3	110.8	107.6
87.5°	9.5	9.5	9.5	6.3	6.3	6.3	19.0	34.8	57.0	44.3	44.3
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)