

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: P643130

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-735-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

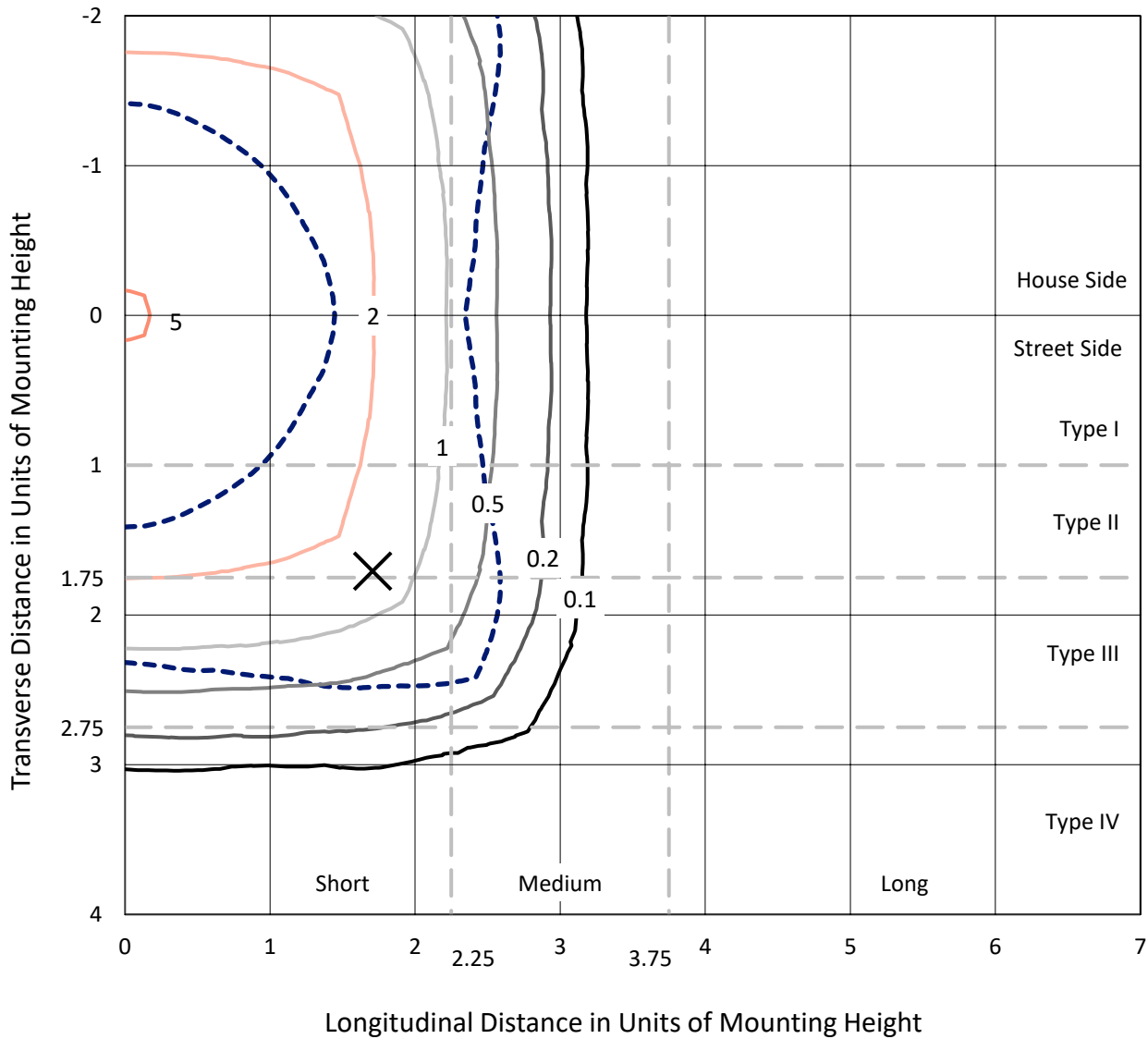
Lumens per Lamp: N/A  
Luminaire Lumens: 45722.5 lumens  
Efficiency: N/A  
Efficacy: 141.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

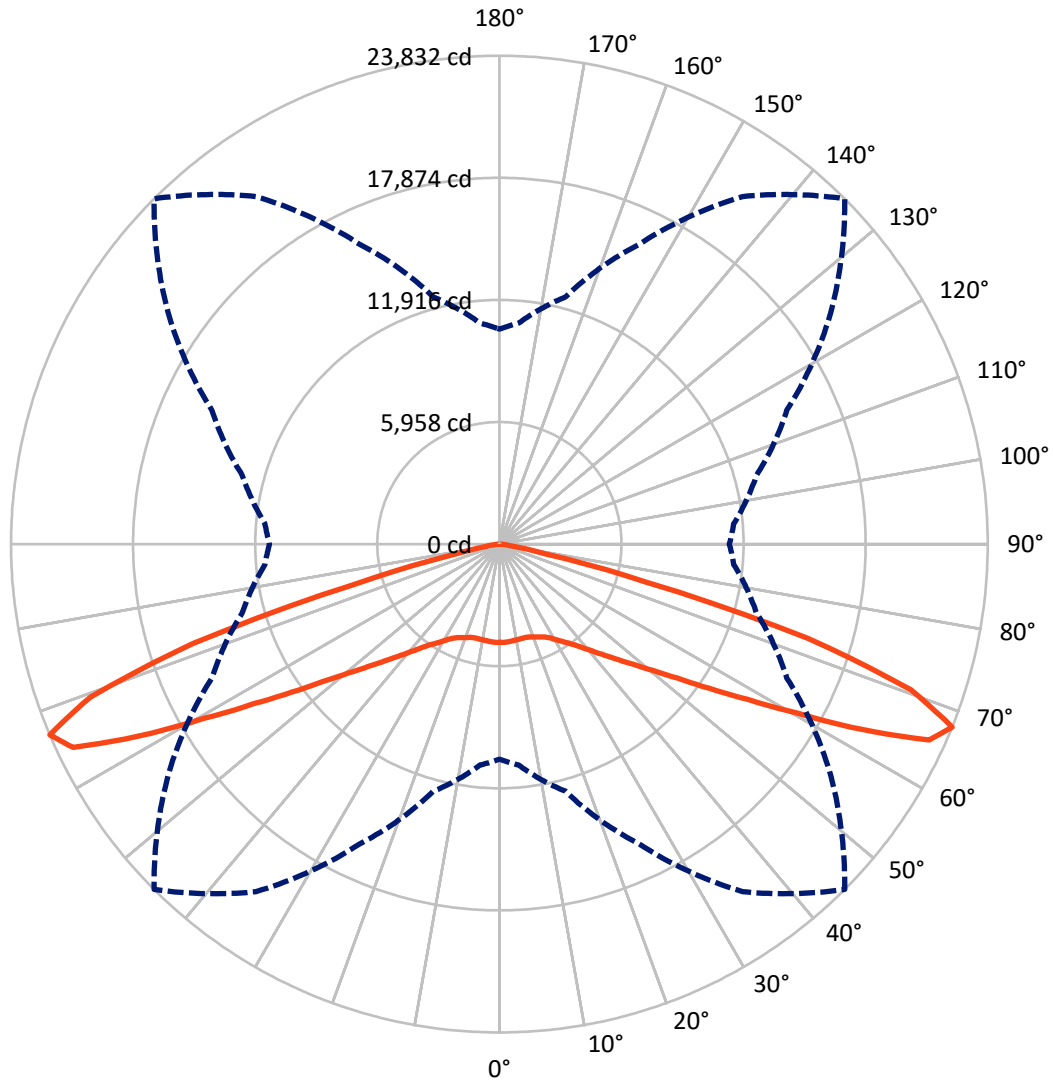
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GWS-SA6E-735-U-5MQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22861.2	0.0	22861.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22861.2	0.0	22861.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45722.5	0.0	45722.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.2	1.0
10°-20°	1331.2	2.9
20°-30°	2295.9	5.0
30°-40°	3733.2	8.2
40°-50°	6286.0	13.7
50°-60°	11137.5	24.4
60°-70°	15920.3	34.8
70°-80°	4369.5	9.6
80°-90°	195.8	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°	45722.5	100.0
0°-180°	45722.5	100.0

**Coefficient of Utilization**



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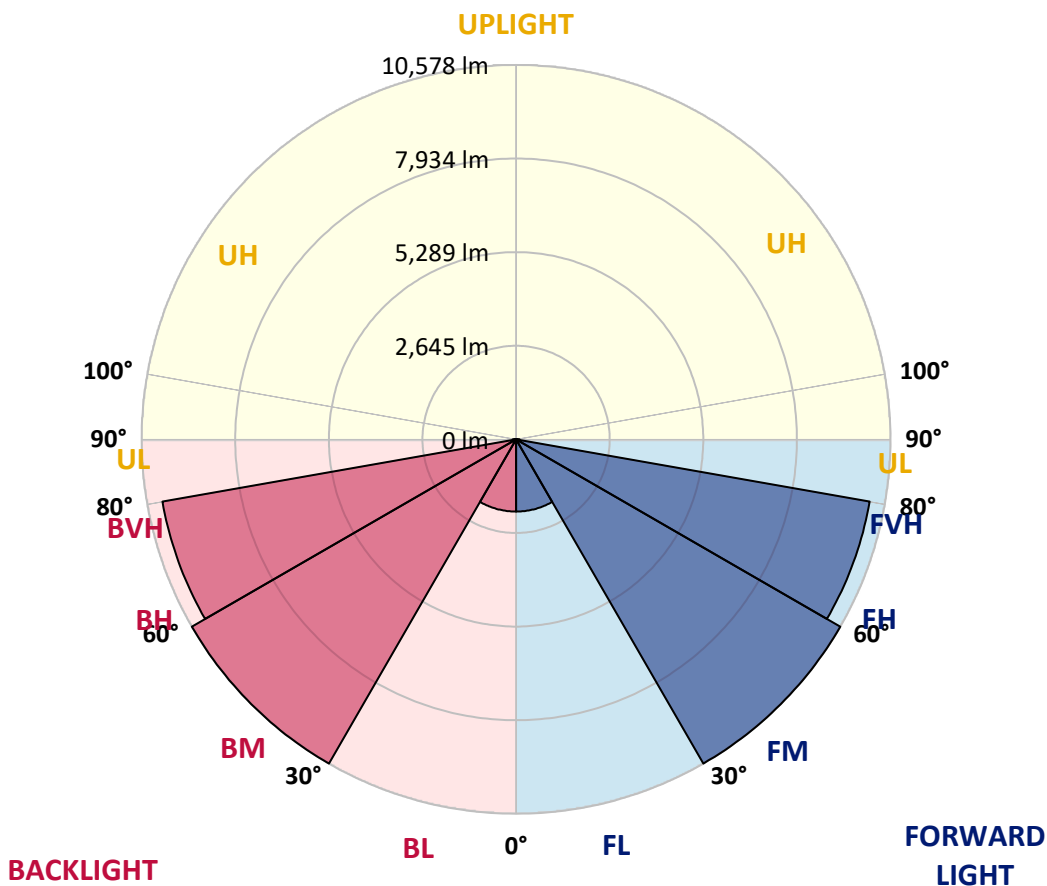
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2040.1	4.5			
FM (30°-60°)	10578.3	23.1			
FH (60°-80°)	10144.9	22.2			G4/12000
FVH (80°-90°)	97.9	0.2			G1/100
BL (0°-30°)	2040.1	4.5	B3/2500		
BM (30°-60°)	10578.3	23.1	B5		
BH (60°-80°)	10144.9	22.2	B5		G4/12000
BVH (80°-90°)	97.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4788.6	4788.6	4788.6	4788.6	4788.6	4788.6	4788.6	4788.6	4788.6	4788.6	4788.6
2.5°	4757.0	4753.8	4769.6	4779.1	4776.0	4798.1	4795.0	4788.6	4788.6	4779.1	4804.5
5°	4757.0	4753.8	4766.5	4769.6	4763.3	4782.3	4776.0	4769.6	4769.6	4757.0	4779.1
7.5°	4731.7	4734.8	4744.3	4750.6	4744.3	4760.1	4750.6	4738.0	4734.8	4722.2	4744.3
10°	4684.2	4687.3	4696.8	4712.7	4715.8	4744.3	4728.5	4706.3	4696.8	4684.2	4706.3
12.5°	4655.7	4658.9	4668.4	4687.3	4693.7	4731.7	4715.8	4681.0	4665.2	4652.5	4674.7
15°	4649.4	4652.5	4665.2	4684.2	4693.7	4731.7	4715.8	4674.7	4652.5	4636.7	4655.7
17.5°	4649.4	4655.7	4674.7	4703.2	4722.2	4760.1	4741.2	4693.7	4662.0	4633.5	4652.5
20°	4652.5	4662.0	4690.5	4731.7	4779.1	4832.9	4807.6	4744.3	4700.0	4665.2	4677.9
22.5°	4681.0	4696.8	4731.7	4785.5	4855.1	4918.4	4896.2	4810.8	4747.5	4700.0	4712.7
25°	4779.1	4785.5	4829.8	4899.4	4965.9	5019.7	4997.5	4918.4	4839.3	4782.3	4798.1
27.5°	4953.2	4969.0	5007.0	5079.8	5136.8	5165.3	5162.1	5108.3	5029.2	4978.5	4991.2
30°	5162.1	5177.9	5228.6	5310.8	5367.8	5399.5	5390.0	5348.8	5276.0	5206.4	5219.1
32.5°	5405.8	5412.1	5472.3	5564.0	5624.2	5671.7	5640.0	5595.7	5503.9	5421.6	5428.0
35°	5716.0	5725.5	5788.8	5874.2	5921.7	5959.7	5953.3	5909.0	5810.9	5722.3	5744.5
37.5°	6105.3	6111.6	6168.6	6276.2	6314.2	6342.6	6349.0	6326.8	6225.5	6111.6	6133.7
40°	6589.5	6592.7	6656.0	6750.9	6792.1	6811.1	6814.2	6817.4	6712.9	6627.5	6621.2
42.5°	7152.9	7168.7	7257.3	7349.1	7368.1	7358.6	7390.2	7421.9	7320.6	7203.5	7213.0
45°	7827.0	7836.5	7956.8	8058.1	8023.2	7991.6	8051.7	8115.0	8023.2	7871.3	7827.0
47.5°	8624.6	8643.6	8773.3	8874.6	8817.7	8760.7	8858.8	8925.3	8776.5	8615.1	8574.0
50°	9526.6	9539.3	9722.8	9849.4	9783.0	9678.5	9802.0	9871.6	9672.2	9472.8	9384.2
52.5°	10593.2	10567.9	10811.6	11033.1	10992.0	10855.9	10957.2	10969.8	10672.3	10390.7	10302.0
55°	11894.0	11868.7	12112.4	12356.1	12457.4	12422.6	12375.1	12299.1	11859.2	11558.5	11476.2
57.5°	13410.1	13330.9	13672.7	14001.9	14223.5	14286.8	14084.2	13907.0	13558.8	13188.5	13093.6
60°	14818.5	14815.3	15356.5	15926.2	16533.9	16787.1	16274.4	15793.3	15011.5	14337.4	14201.3
62.5°	15214.1	15280.6	16166.8	17578.3	19078.5	19974.2	18622.8	17030.8	15521.1	14505.1	14324.7
65°	14239.3	14403.9	15663.5	17891.7	20854.1	23044.3	19993.2	17059.3	14954.6	13688.6	13498.7
67.5°	10495.1	10824.3	12492.2	16144.6	20702.2	23832.4	19749.5	15480.0	12989.1	11482.6	11219.9
70°	5177.9	5491.3	6814.2	10621.7	17034.0	21303.5	17087.8	11666.1	8773.3	7323.8	7083.2
72.5°	1905.3	2031.9	2551.0	4544.9	9400.0	15736.3	11685.1	6516.7	4250.6	3383.4	3222.0
75°	933.7	955.8	1035.0	1525.5	3468.8	7406.1	5491.3	2500.3	1563.5	1360.9	1316.6
77.5°	595.0	604.5	642.5	727.9	1114.1	2332.6	1664.8	987.5	765.9	734.3	734.3
80°	332.3	341.8	392.5	452.6	522.2	800.7	598.2	591.9	503.2	439.9	430.4
82.5°	158.2	174.1	250.0	246.9	275.4	402.0	351.3	319.7	322.8	243.7	231.0
85°	72.8	72.8	98.1	117.1	123.4	136.1	161.4	183.6	180.4	123.4	132.9
87.5°	34.8	34.8	34.8	31.6	28.5	25.3	34.8	57.0	82.3	57.0	53.8
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)