

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: P643188

Luminaire Tested: GWS-SA6E-740-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643188  
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-740-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

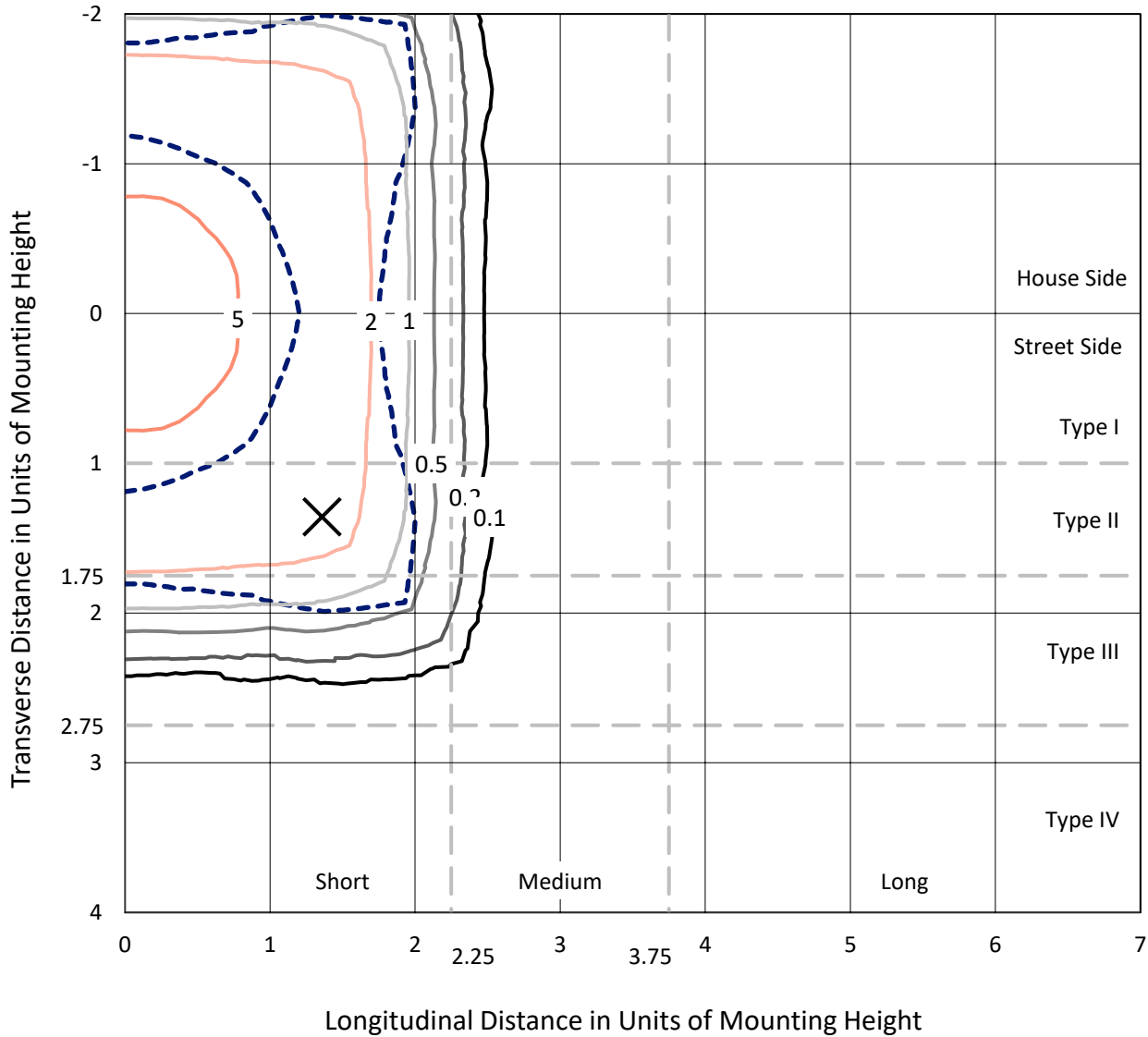
Lumens per Lamp: N/A  
Luminaire Lumens: 46787.8 lumens  
Efficiency: N/A  
Efficacy: 144.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

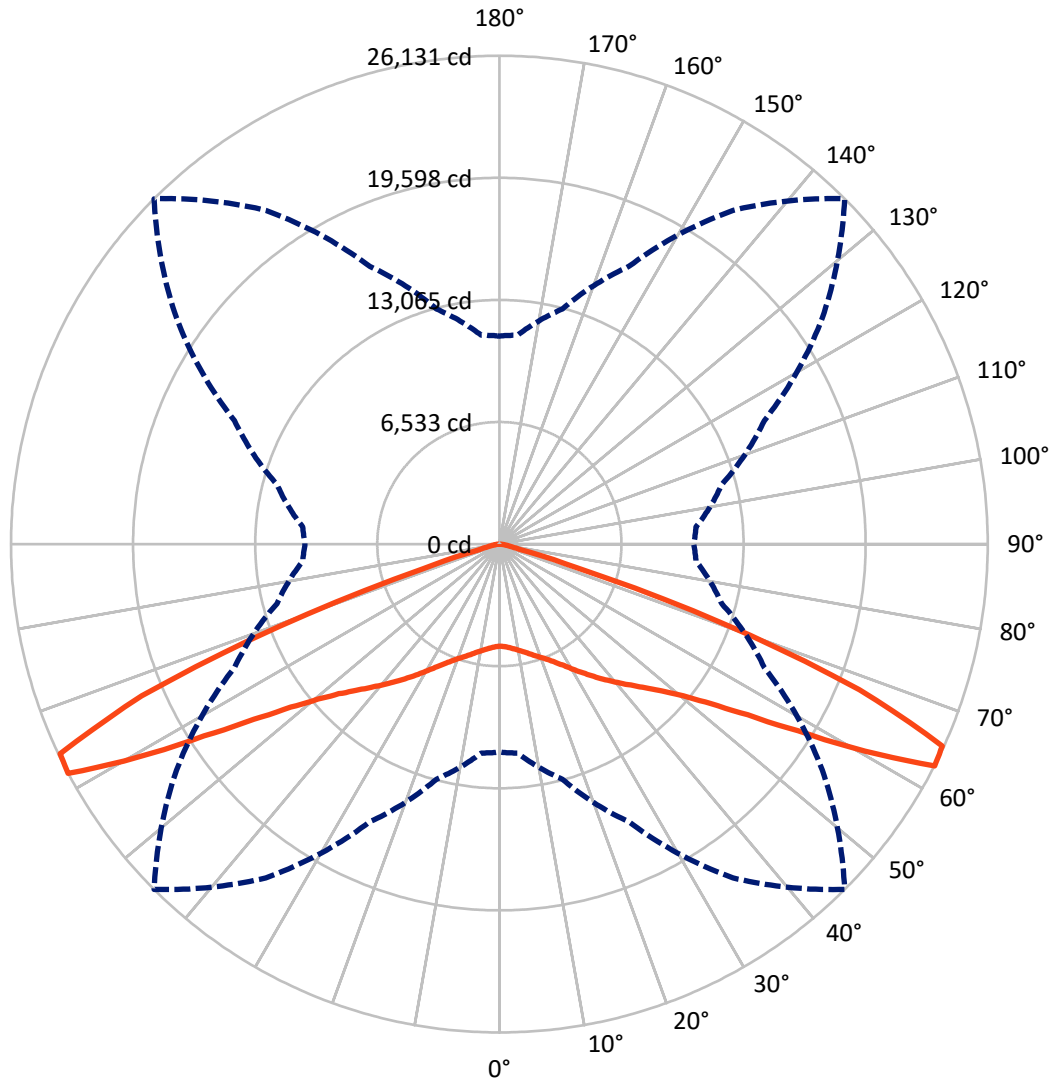
✕ Max cd  
 - - - 1/2 Max cd



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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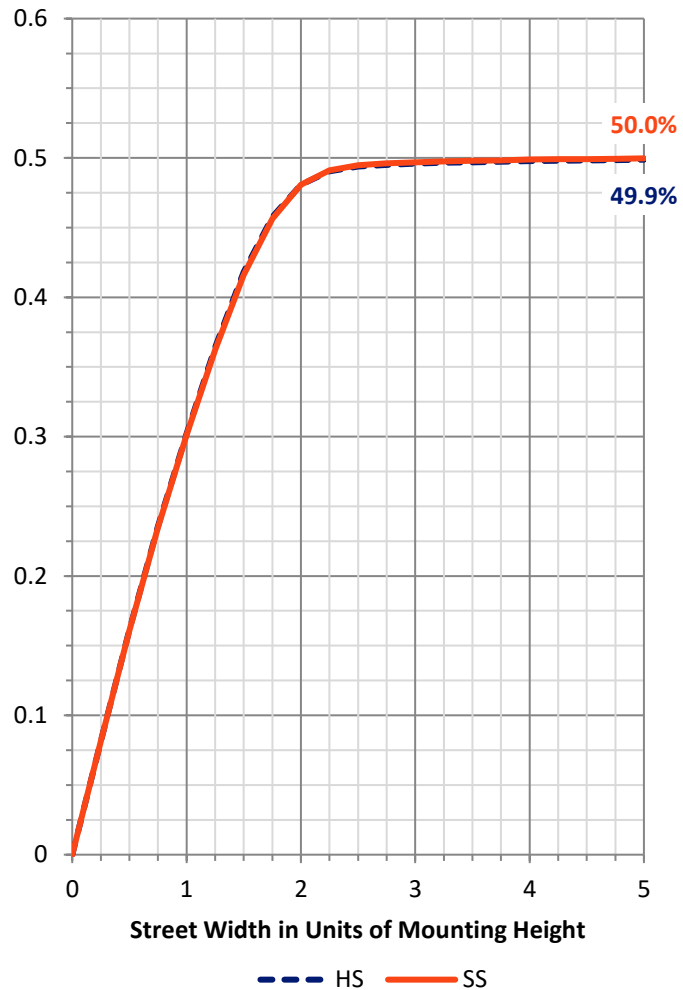
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23393.9	0.0	23393.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23393.9	0.0	23393.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	46787.8	0.0	46787.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	535.5	1.1
10°-20°	1727.0	3.7
20°-30°	3267.4	7.0
30°-40°	5499.5	11.8
40°-50°	8786.5	18.8
50°-60°	14163.4	30.3
60°-70°	11555.7	24.7
70°-80°	1122.2	2.4
80°-90°	130.6	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°	46787.8	100.0
0°-180°	46787.8	100.0

**Coefficient of Utilization**



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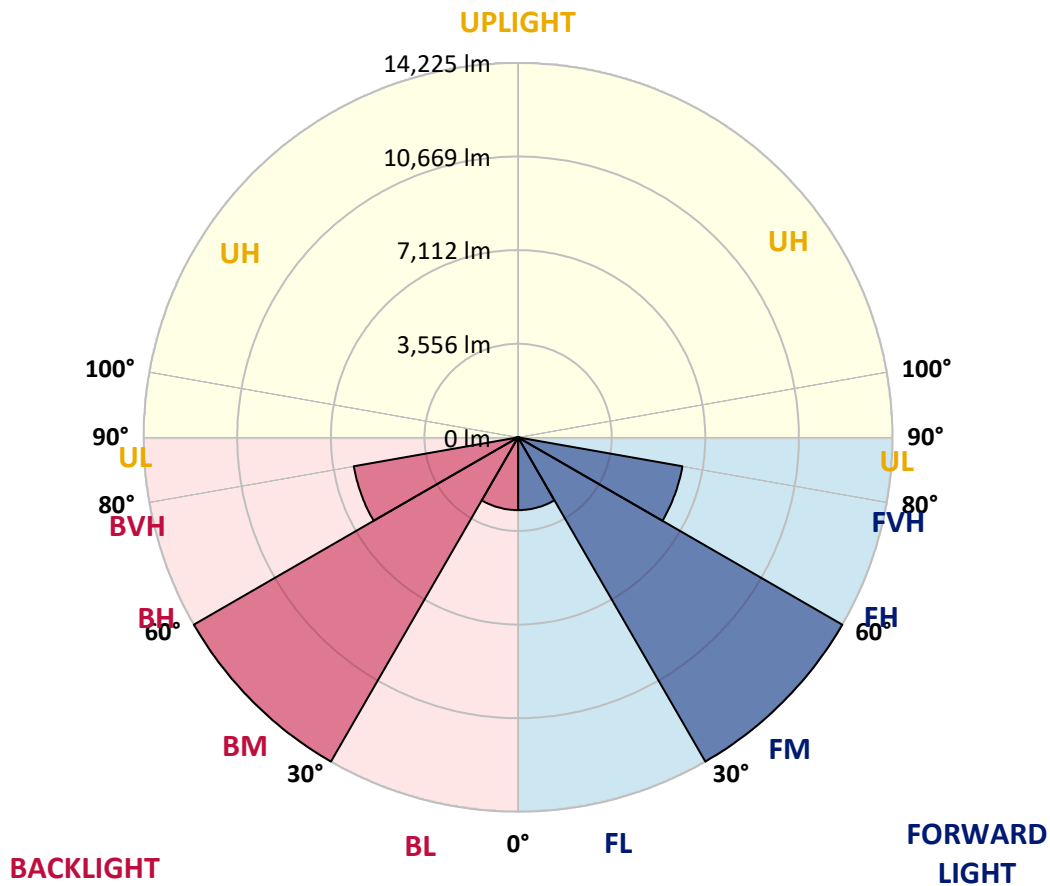
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2765.0	5.9			
FM (30°-60°)	14224.7	30.4			
FH (60°-80°)	6339.0	13.5			G3/7500
FVH (80°-90°)	65.3	0.1			G1/100
BL (0°-30°)	2765.0	5.9	B4/5000		
BM (30°-60°)	14224.7	30.4	B5		
BH (60°-80°)	6339.0	13.5	B5		G3/7500
BVH (80°-90°)	65.3	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°	5458.4	5458.4	5458.4	5458.4	5458.4	5458.4	5458.4	5458.4	5458.4	5458.4	5458.4
2.5°	5452.0	5452.0	5464.8	5474.5	5468.1	5493.7	5490.5	5484.1	5480.9	5471.3	5500.1
5°	5525.8	5525.8	5535.4	5545.1	5529.0	5561.1	5548.3	5541.9	5538.7	5525.8	5551.5
7.5°	5609.2	5618.9	5622.1	5638.1	5628.5	5663.8	5654.2	5641.3	5634.9	5618.9	5641.3
10°	5702.3	5708.7	5711.9	5740.8	5744.0	5785.7	5776.1	5760.1	5747.2	5731.2	5763.3
12.5°	5827.5	5830.7	5840.3	5875.6	5885.2	5917.3	5914.1	5891.6	5875.6	5853.1	5888.4
15°	5987.9	5991.1	6007.2	6042.5	6058.5	6097.0	6084.2	6048.9	6026.4	6000.7	6029.6
17.5°	6154.8	6167.6	6183.7	6218.9	6241.4	6286.3	6270.3	6231.8	6212.5	6186.9	6206.1
20°	6369.8	6373.0	6382.6	6421.1	6437.2	6488.5	6491.7	6453.2	6443.6	6417.9	6446.8
22.5°	6607.2	6610.4	6620.1	6661.8	6690.7	6722.8	6742.0	6719.5	6703.5	6671.4	6706.7
25°	6870.4	6902.5	6912.1	6963.4	6995.5	7014.8	7037.2	7027.6	7005.1	6966.6	6982.7
27.5°	7239.4	7245.8	7261.9	7319.6	7338.9	7358.1	7380.6	7383.8	7351.7	7306.8	7329.2
30°	7659.8	7656.6	7691.9	7736.8	7752.8	7768.9	7801.0	7820.2	7778.5	7730.4	7752.8
32.5°	8089.8	8128.3	8173.2	8214.9	8205.3	8211.7	8263.1	8298.4	8240.6	8153.9	8173.2
35°	8574.3	8600.0	8657.8	8718.7	8705.9	8696.3	8728.4	8763.6	8683.4	8571.1	8600.0
37.5°	9071.7	9110.2	9196.9	9270.7	9251.4	9206.5	9241.8	9280.3	9203.3	9074.9	9062.1
40°	9626.9	9687.8	9813.0	9873.9	9822.6	9736.0	9796.9	9890.0	9813.0	9665.4	9630.1
42.5°	10278.3	10352.1	10477.2	10570.3	10458.0	10316.8	10419.5	10554.2	10535.0	10339.2	10278.3
45°	11083.7	11131.9	11285.9	11330.8	11163.9	10968.2	11154.3	11359.7	11311.6	11099.8	11019.5
47.5°	11959.8	12033.6	12168.3	12251.8	11982.2	11738.3	11998.3	12274.2	12222.9	12023.9	11930.9
50°	13076.5	13172.7	13349.2	13419.8	13047.6	12768.4	13102.2	13451.9	13352.5	13086.1	12964.2
52.5°	14292.7	14369.7	14671.3	14812.5	14462.7	14161.1	14453.1	14796.5	14584.7	14231.7	14068.0
55°	15364.5	15441.5	15884.3	16352.8	16336.8	16128.2	16275.8	16282.2	15707.8	15123.8	14950.5
57.5°	15595.5	15672.5	16516.5	17742.3	18608.7	18849.4	18416.2	17504.8	16057.6	15033.9	14838.2
60°	14363.3	14449.9	15791.3	18031.1	20880.7	22488.3	20492.4	17479.2	14976.2	13589.9	13403.8
62.5°	11128.6	11221.7	13025.1	16388.1	21798.4	26130.5	21095.7	15640.4	12319.2	10563.9	10400.2
65°	5314.0	5314.0	7605.2	11754.4	19969.3	26043.9	19350.0	11571.5	7415.9	5695.9	5554.7
67.5°	1315.7	1322.1	1957.5	4576.0	13583.5	20784.4	13804.9	5554.7	2612.1	1848.4	1800.2
70°	821.5	818.3	908.1	1238.7	4752.5	12614.4	5644.5	1675.1	1062.2	937.0	930.6
72.5°	638.6	638.6	683.5	792.6	1245.1	4296.8	1646.2	930.6	770.1	693.1	693.1
75°	503.8	503.8	535.9	593.7	734.9	1107.1	876.0	689.9	596.9	545.5	539.1
77.5°	375.4	381.9	407.5	446.0	500.6	622.5	555.1	519.9	465.3	426.8	414.0
80°	243.9	253.5	285.6	308.1	327.3	410.7	362.6	378.7	353.0	308.1	301.6
82.5°	131.6	134.8	173.3	179.7	186.1	224.6	231.0	240.7	250.3	195.7	182.9
85°	48.1	48.1	57.8	67.4	73.8	80.2	109.1	134.8	141.2	112.3	109.1
87.5°	9.6	9.6	9.6	6.4	6.4	6.4	19.3	35.3	57.8	44.9	44.9
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)