

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: P640766

Luminaire Tested: GWS-SA5E-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640766  
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-SA5E-750-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

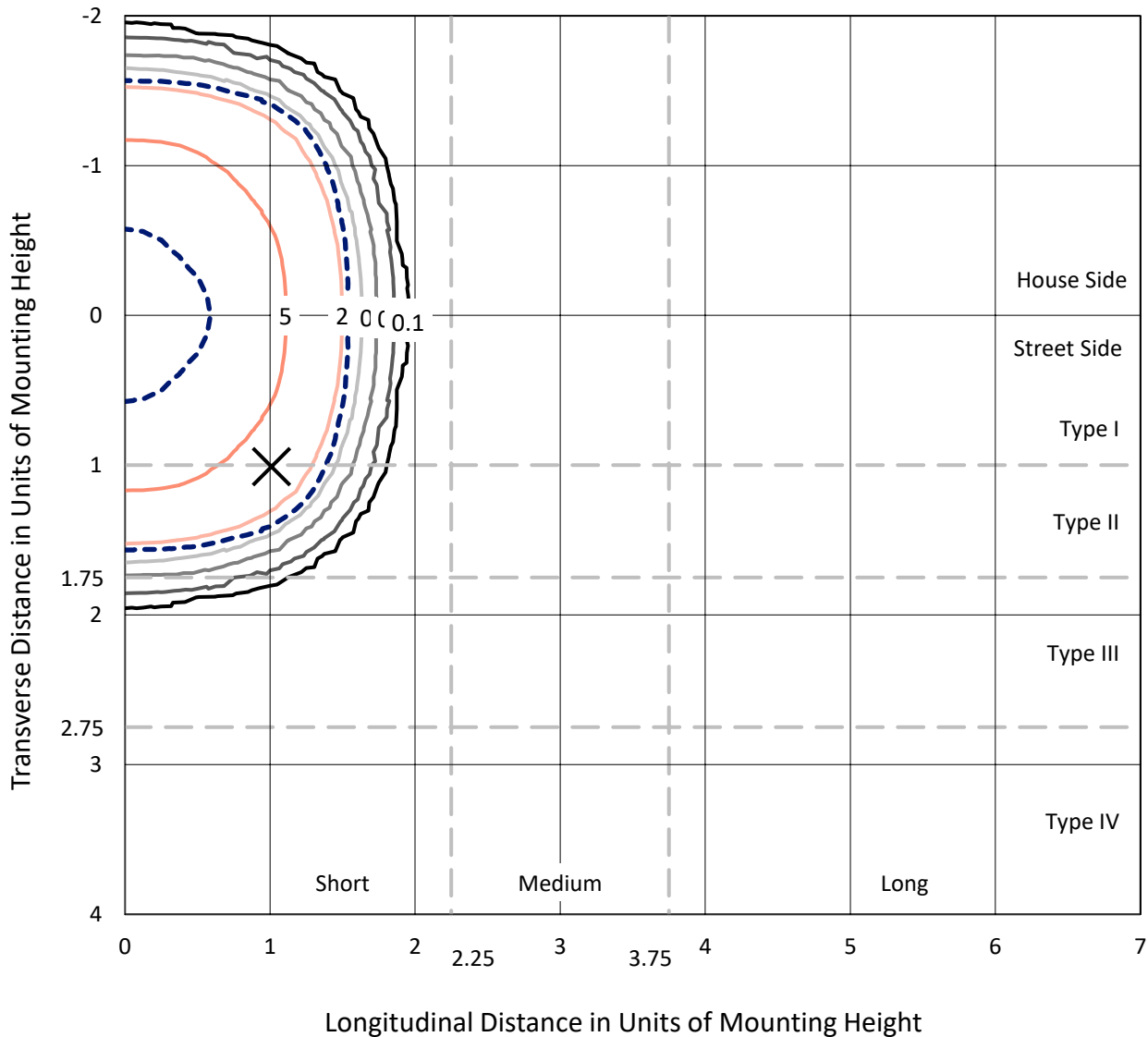
Lumens per Lamp: N/A  
Luminaire Lumens: 27022 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

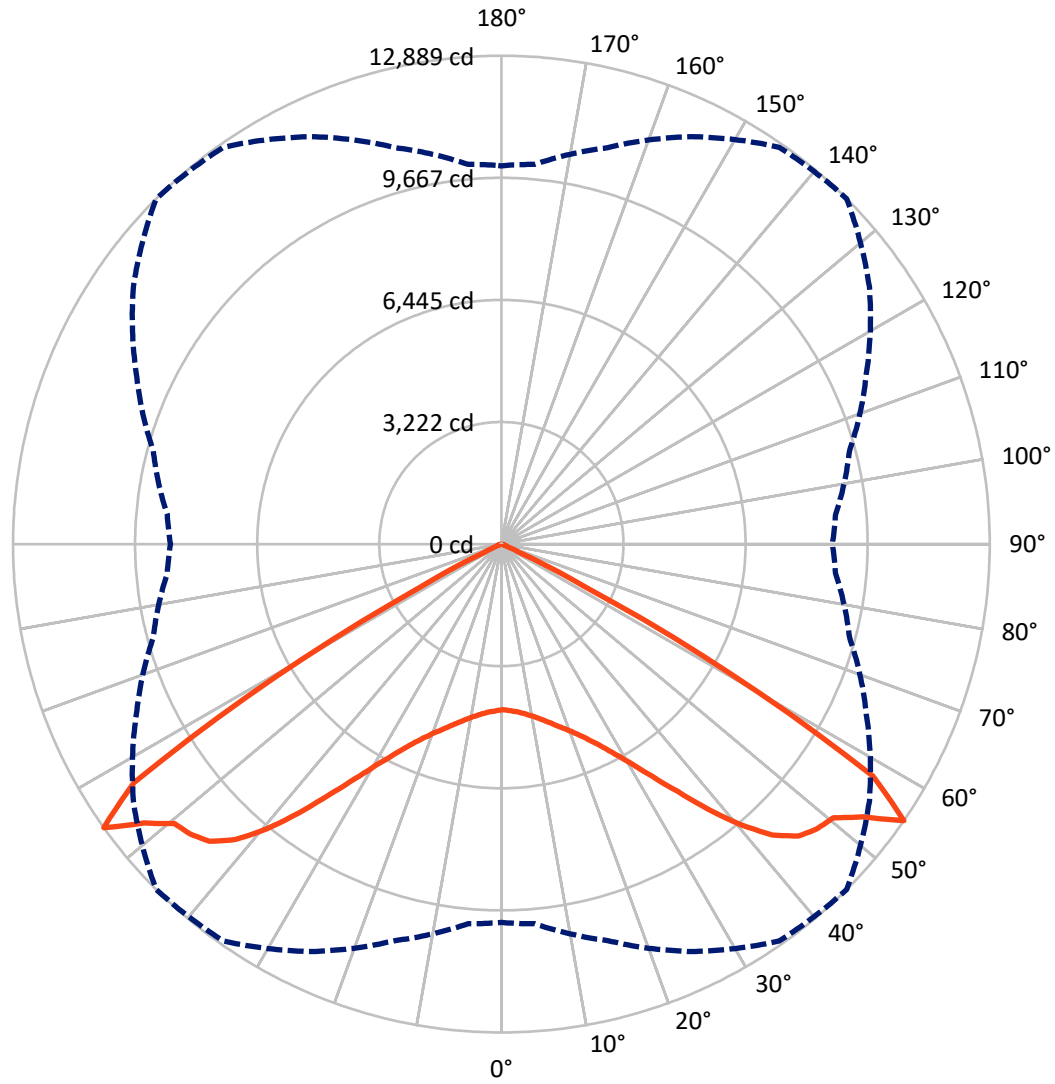
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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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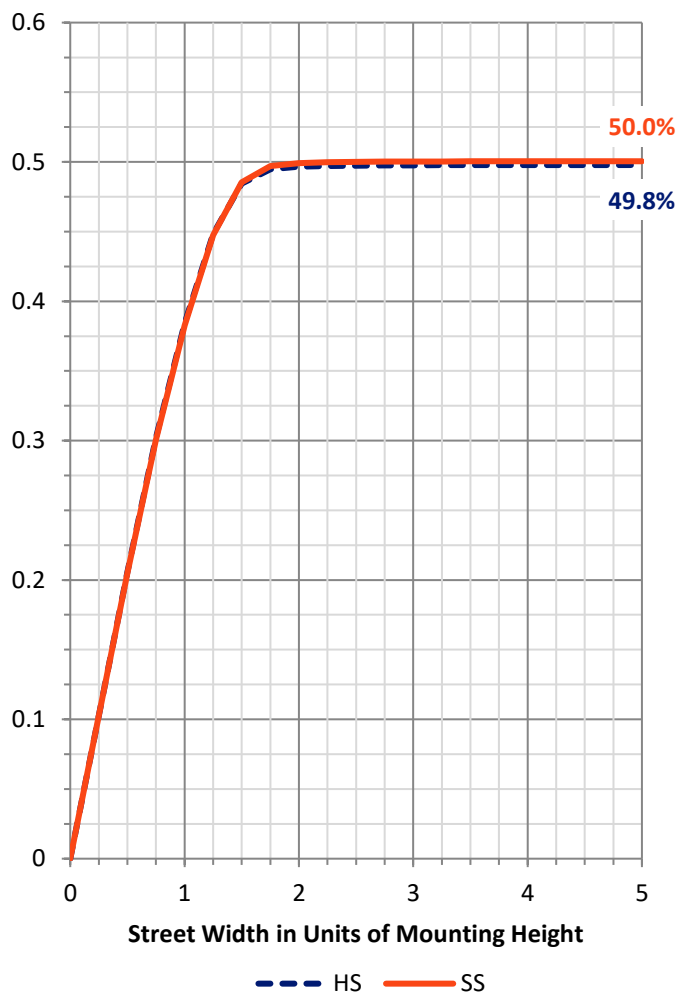
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13511.0	0.0	13511.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13511.0	0.0	13511.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27022.0	0.0	27022.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.1	1.6
10°-20°	1387.6	5.1
20°-30°	2687.2	9.9
30°-40°	4814.3	17.8
40°-50°	8071.5	29.9
50°-60°	8640.2	32.0
60°-70°	949.4	3.5
70°-80°	41.8	0.2
80°-90°	2.0	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°	27022.0	100.0
0°-180°	27022.0	100.0

**Coefficient of Utilization**



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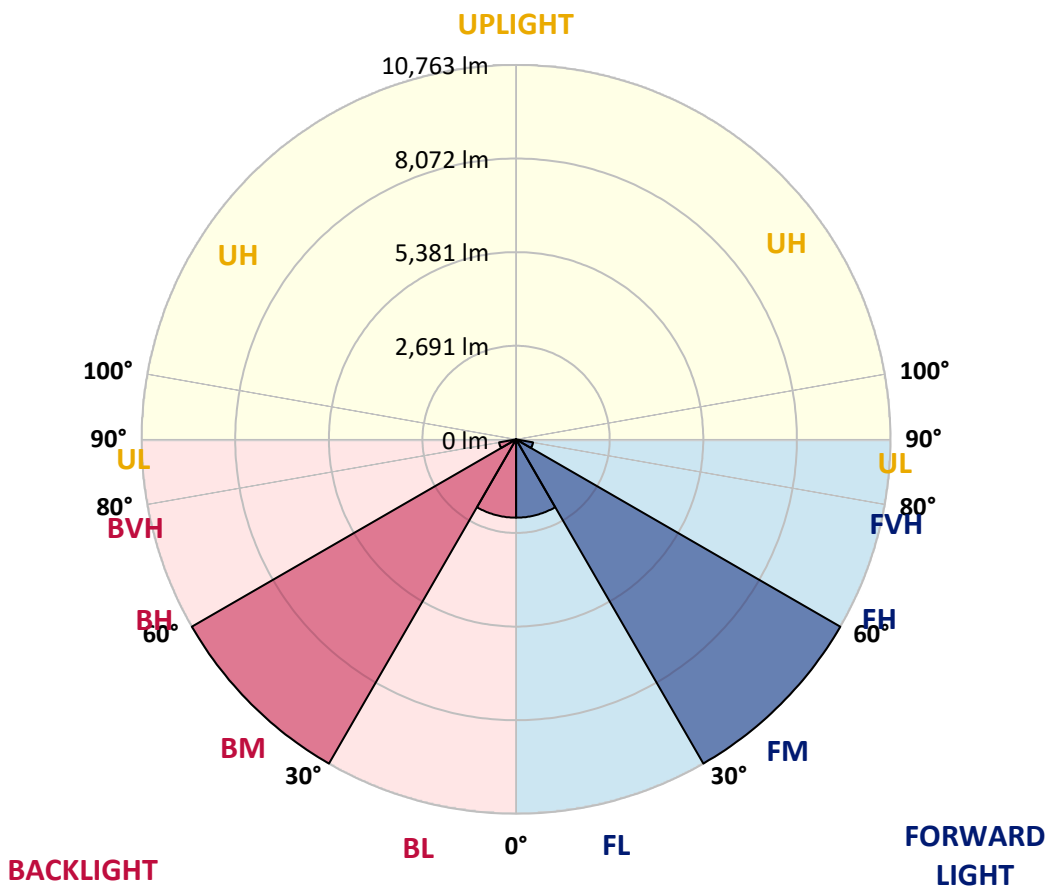
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2251.4	8.3			
FM (30°-60°)	10763.0	39.8			
FH (60°-80°)	495.6	1.8			G0/660
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	2251.4	8.3	B3/2500		
BM (30°-60°)	10763.0	39.8	B5		
BH (60°-80°)	495.6	1.8	B1/500		G0/660
BVH (80°-90°)	1.0	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°	4368.9	4368.9	4368.9	4368.9	4368.9	4368.9	4368.9	4368.9	4368.9	4368.9	4368.9
2.5°	4360.7	4360.7	4371.7	4379.9	4379.9	4402.0	4393.7	4385.5	4385.5	4374.4	4396.5
5°	4424.0	4421.2	4432.3	4437.8	4426.7	4448.8	4435.0	4426.7	4421.2	4410.2	4432.3
7.5°	4492.8	4495.6	4498.3	4509.3	4503.8	4525.9	4514.8	4498.3	4492.8	4476.3	4498.3
10°	4575.4	4575.4	4580.9	4594.7	4597.4	4625.0	4613.9	4594.7	4578.2	4561.6	4583.7
12.5°	4680.0	4682.8	4691.0	4710.3	4721.3	4751.6	4735.1	4696.5	4671.8	4652.5	4677.3
15°	4831.4	4828.7	4839.7	4867.2	4881.0	4903.0	4878.2	4825.9	4795.6	4773.6	4790.1
17.5°	4996.6	4996.6	5002.1	5029.6	5048.9	5082.0	5051.7	4988.4	4960.8	4930.5	4947.1
20°	5178.3	5186.6	5192.1	5211.3	5244.4	5277.4	5252.6	5189.3	5159.0	5120.5	5139.8
22.5°	5417.8	5409.6	5412.3	5445.3	5492.1	5525.2	5505.9	5431.6	5379.3	5349.0	5360.0
25°	5684.8	5682.1	5690.4	5739.9	5792.2	5828.0	5800.5	5704.1	5651.8	5599.5	5621.5
27.5°	6012.4	6015.2	6020.7	6081.3	6163.9	6216.2	6147.3	6051.0	5979.4	5910.6	5927.1
30°	6400.6	6395.1	6411.6	6494.2	6615.3	6697.9	6618.1	6483.2	6381.3	6315.3	6323.5
32.5°	6813.6	6819.1	6863.1	6995.3	7154.9	7300.8	7138.4	6959.5	6827.3	6703.4	6720.0
35°	7259.5	7273.3	7372.4	7567.9	7829.4	8024.9	7799.1	7504.6	7317.3	7157.7	7163.2
37.5°	7785.4	7818.4	7956.0	8247.8	8622.2	8883.8	8553.4	8162.5	7920.2	7722.0	7708.3
40°	8476.3	8514.9	8702.1	9049.0	9503.2	9742.7	9360.0	8958.1	8658.0	8443.3	8410.3
42.5°	9269.2	9318.7	9522.5	9877.6	10331.8	10494.3	10119.9	9781.2	9511.5	9258.2	9247.2
45°	10163.9	10191.4	10356.6	10629.2	10956.8	10995.3	10714.5	10527.3	10254.8	10018.0	9998.7
47.5°	11003.6	11031.1	11144.0	11284.4	11361.4	11223.8	11174.2	11091.6	10739.3	10447.5	10386.9
50°	11642.2	11664.3	11804.7	11859.7	11645.0	11353.2	11449.5	11273.3	10890.7	10563.1	10469.5
52.5°	11598.2	11653.3	12013.9	12327.7	12192.8	11956.1	11697.3	11317.4	10722.8	10274.0	10158.4
55°	9985.0	10059.3	10832.9	11865.2	12787.5	12889.3	11854.2	10629.2	9511.5	8853.5	8735.1
57.5°	6417.1	6436.4	7380.7	8828.7	10907.2	11562.4	9830.8	8013.8	6623.6	5899.6	5850.0
60°	2359.3	2320.7	3033.8	4234.0	6282.2	6976.0	5786.7	4052.3	2890.6	2378.6	2337.3
62.5°	567.1	572.6	710.3	1065.4	1971.1	2439.1	1927.1	1076.4	685.5	575.4	569.9
65°	286.3	280.8	283.6	305.6	421.2	503.8	412.9	291.8	280.8	283.6	280.8
67.5°	184.4	181.7	187.2	190.0	187.2	176.2	173.4	178.9	178.9	181.7	176.2
70°	112.9	110.1	115.6	123.9	118.4	104.6	110.1	115.6	110.1	107.4	107.4
72.5°	60.6	60.6	66.1	71.6	66.1	60.6	60.6	63.3	60.6	60.6	60.6
75°	27.5	27.5	30.3	33.0	27.5	27.5	27.5	27.5	27.5	27.5	27.5
77.5°	8.3	8.3	11.0	11.0	8.3	8.3	8.3	8.3	11.0	11.0	11.0
80°	2.8	5.5	5.5	2.8	2.8	2.8	2.8	2.8	5.5	5.5	5.5
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
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)