

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: P643240

Luminaire Tested: GWS-SA6E-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643240
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-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47420.1 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

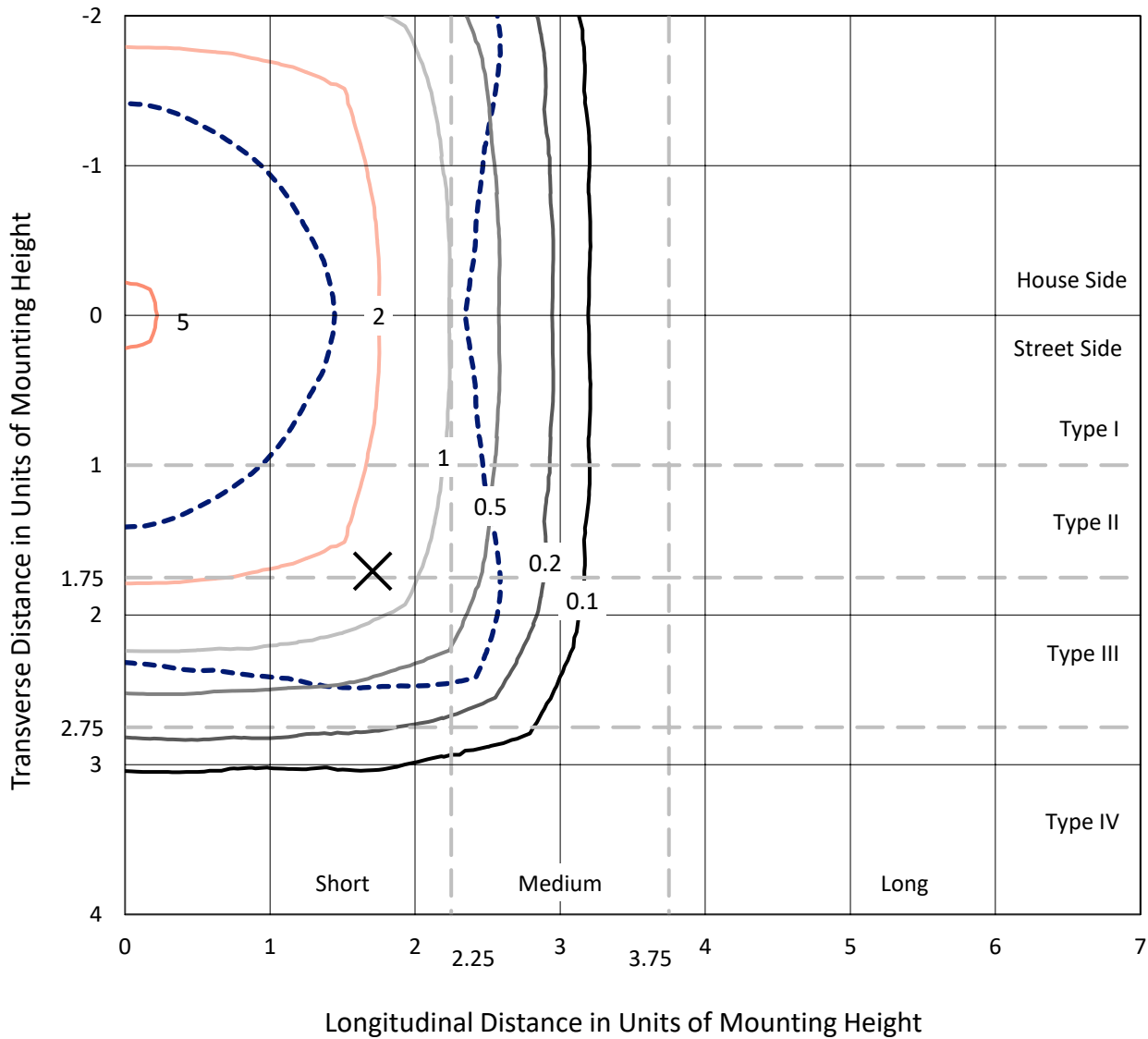
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

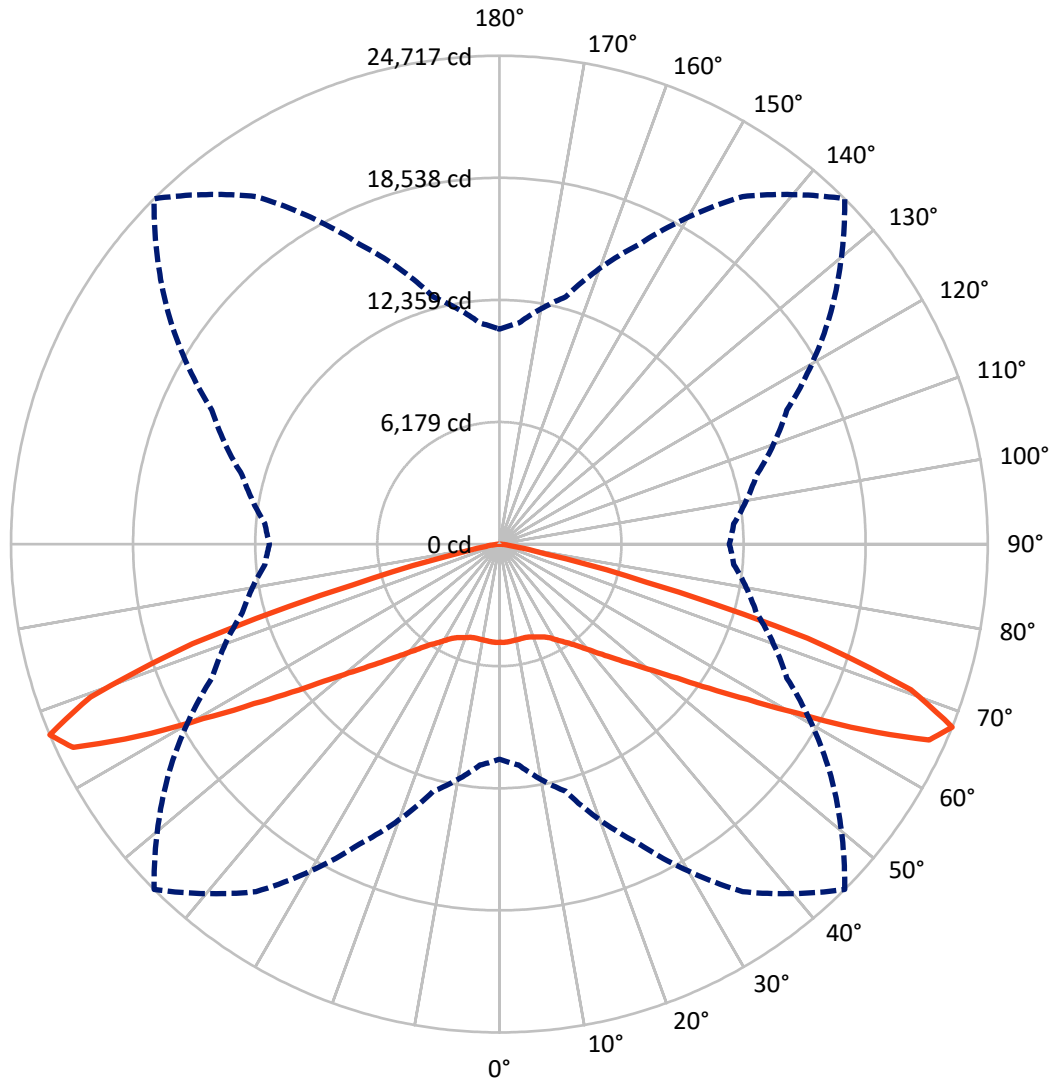
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.5 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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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23710.1	0.0	23710.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23710.1	0.0	23710.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	47420.1	0.0	47420.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.0	1.0
10°-20°	1380.6	2.9
20°-30°	2381.1	5.0
30°-40°	3871.8	8.2
40°-50°	6519.3	13.7
50°-60°	11551.0	24.4
60°-70°	16511.4	34.8
70°-80°	4531.7	9.6
80°-90°	203.0	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°	47420.1	100.0
0°-180°	47420.1	100.0

Coefficient of Utilization



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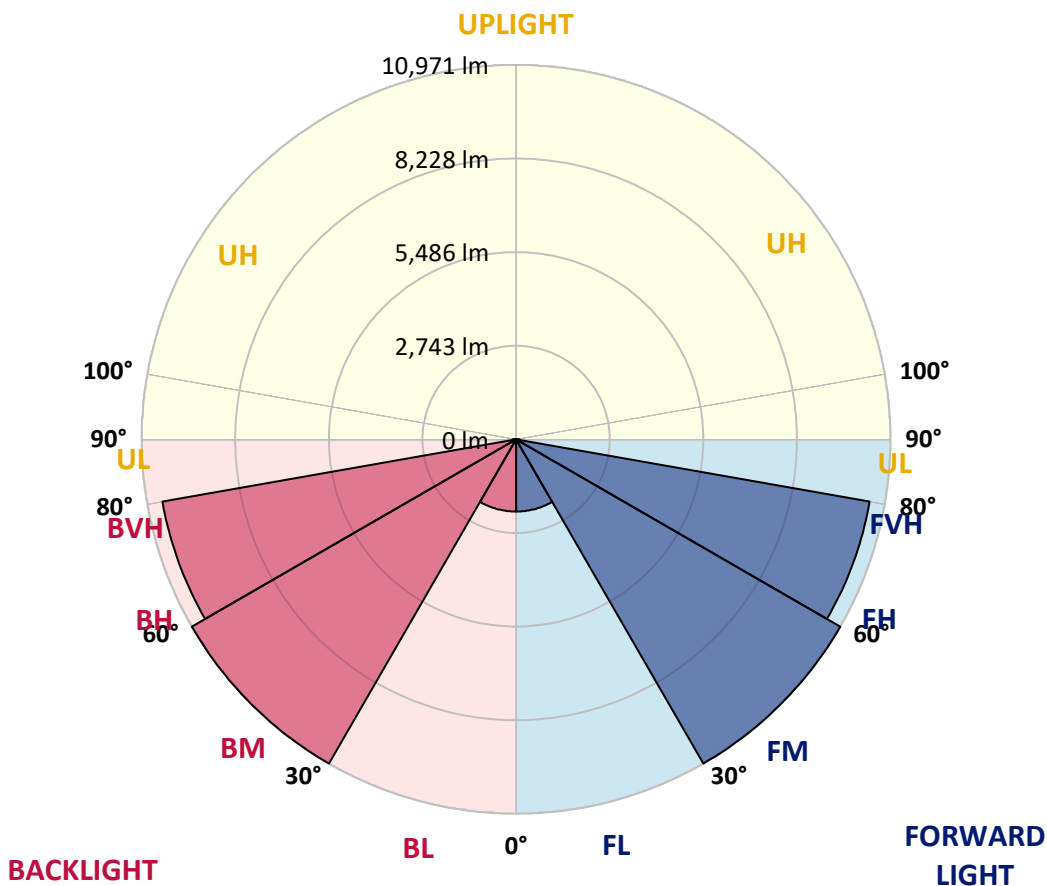
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2115.9	4.5			
FM (30°-60°)	10971.1	23.1			
FH (60°-80°)	10521.6	22.2			G4/12000
FVH (80°-90°)	101.5	0.2			G2/225
BL (0°-30°)	2115.9	4.5	B3/2500		
BM (30°-60°)	10971.1	23.1	B5		
BH (60°-80°)	10521.6	22.2	B5		G4/12000
BVH (80°-90°)	101.5	0.2			G2/225
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°	4966.4	4966.4	4966.4	4966.4	4966.4	4966.4	4966.4	4966.4	4966.4	4966.4	4966.4
2.5°	4933.6	4930.3	4946.7	4956.6	4953.3	4976.3	4973.0	4966.4	4966.4	4956.6	4982.8
5°	4933.6	4930.3	4943.4	4946.7	4940.2	4959.9	4953.3	4946.7	4946.7	4933.6	4956.6
7.5°	4907.3	4910.6	4920.5	4927.0	4920.5	4936.9	4927.0	4913.9	4910.6	4897.5	4920.5
10°	4858.1	4861.4	4871.2	4887.6	4890.9	4920.5	4904.1	4881.1	4871.2	4858.1	4881.1
12.5°	4828.6	4831.8	4841.7	4861.4	4867.9	4907.3	4890.9	4854.8	4838.4	4825.3	4848.3
15°	4822.0	4825.3	4838.4	4858.1	4867.9	4907.3	4890.9	4848.3	4825.3	4808.9	4828.6
17.5°	4822.0	4828.6	4848.3	4877.8	4897.5	4936.9	4917.2	4867.9	4835.1	4805.6	4825.3
20°	4825.3	4835.1	4864.7	4907.3	4956.6	5012.4	4986.1	4920.5	4874.5	4838.4	4851.5
22.5°	4854.8	4871.2	4907.3	4963.1	5035.4	5101.0	5078.0	4989.4	4923.7	4874.5	4887.6
25°	4956.6	4963.1	5009.1	5081.3	5150.2	5206.0	5183.1	5101.0	5018.9	4959.9	4976.3
27.5°	5137.1	5153.5	5192.9	5268.4	5327.5	5357.0	5353.8	5298.0	5215.9	5163.4	5176.5
30°	5353.8	5370.2	5422.7	5508.0	5567.1	5599.9	5590.1	5547.4	5471.9	5399.7	5412.8
32.5°	5606.5	5613.1	5675.4	5770.6	5833.0	5882.2	5849.4	5803.5	5708.3	5622.9	5629.5
35°	5928.2	5938.0	6003.7	6092.3	6141.6	6180.9	6174.4	6128.4	6026.7	5934.8	5957.7
37.5°	6331.9	6338.5	6397.6	6509.2	6548.6	6578.1	6584.7	6561.7	6456.7	6338.5	6361.5
40°	6834.2	6837.4	6903.1	7001.6	7044.2	7063.9	7067.2	7070.5	6962.2	6873.6	6867.0
42.5°	7418.4	7434.9	7526.8	7622.0	7641.7	7631.8	7664.6	7697.5	7592.4	7471.0	7480.8
45°	8117.6	8127.5	8252.2	8357.2	8321.1	8288.3	8350.7	8416.3	8321.1	8163.6	8117.6
47.5°	8944.8	8964.5	9099.1	9204.1	9145.0	9086.0	9187.7	9256.6	9102.4	8935.0	8892.3
50°	9880.3	9893.5	10083.8	10215.1	10146.2	10037.9	10165.9	10238.1	10031.3	9824.5	9732.6
52.5°	10986.5	10960.3	11213.0	11442.8	11400.1	11259.0	11364.0	11377.1	11068.6	10776.4	10684.5
55°	12335.6	12309.4	12562.1	12814.9	12919.9	12883.8	12834.6	12755.8	12299.5	11987.7	11902.3
57.5°	13907.9	13825.9	14180.4	14521.8	14751.5	14817.2	14607.1	14423.3	14062.2	13678.2	13579.7
60°	15368.7	15365.4	15926.7	16517.5	17147.8	17410.4	16878.6	16379.7	15568.9	14869.7	14728.6
62.5°	15779.0	15847.9	16767.0	18231.0	19786.9	20715.8	19314.2	17663.1	16097.4	15043.7	14856.6
65°	14768.0	14938.7	16245.1	18556.0	21628.4	23899.9	20735.5	17692.7	15509.8	14196.8	13999.9
67.5°	10884.8	11226.1	12956.0	16744.0	21470.8	24717.2	20482.8	16054.7	13471.4	11908.9	11636.5
70°	5370.2	5695.1	7067.2	11016.1	17666.4	22094.5	17722.2	12099.3	9099.1	7595.7	7346.2
72.5°	1976.1	2107.4	2645.7	4713.7	9749.0	16320.6	12119.0	6758.7	4408.4	3509.0	3341.6
75°	968.3	991.3	1073.4	1582.2	3597.6	7681.0	5695.1	2593.2	1621.6	1411.5	1365.5
77.5°	617.1	627.0	666.3	755.0	1155.4	2419.2	1726.6	1024.1	794.4	761.5	761.5
80°	344.7	354.5	407.0	469.4	541.6	830.5	620.4	613.8	521.9	456.3	446.4
82.5°	164.1	180.5	259.3	256.0	285.6	416.9	364.4	331.5	334.8	252.8	239.6
85°	75.5	75.5	101.8	121.5	128.0	141.1	167.4	190.4	187.1	128.0	137.9
87.5°	36.1	36.1	36.1	32.8	29.5	26.3	36.1	59.1	85.3	59.1	55.8
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)