

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: P642964

Luminaire Tested: GWS-SA6E-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28871 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

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

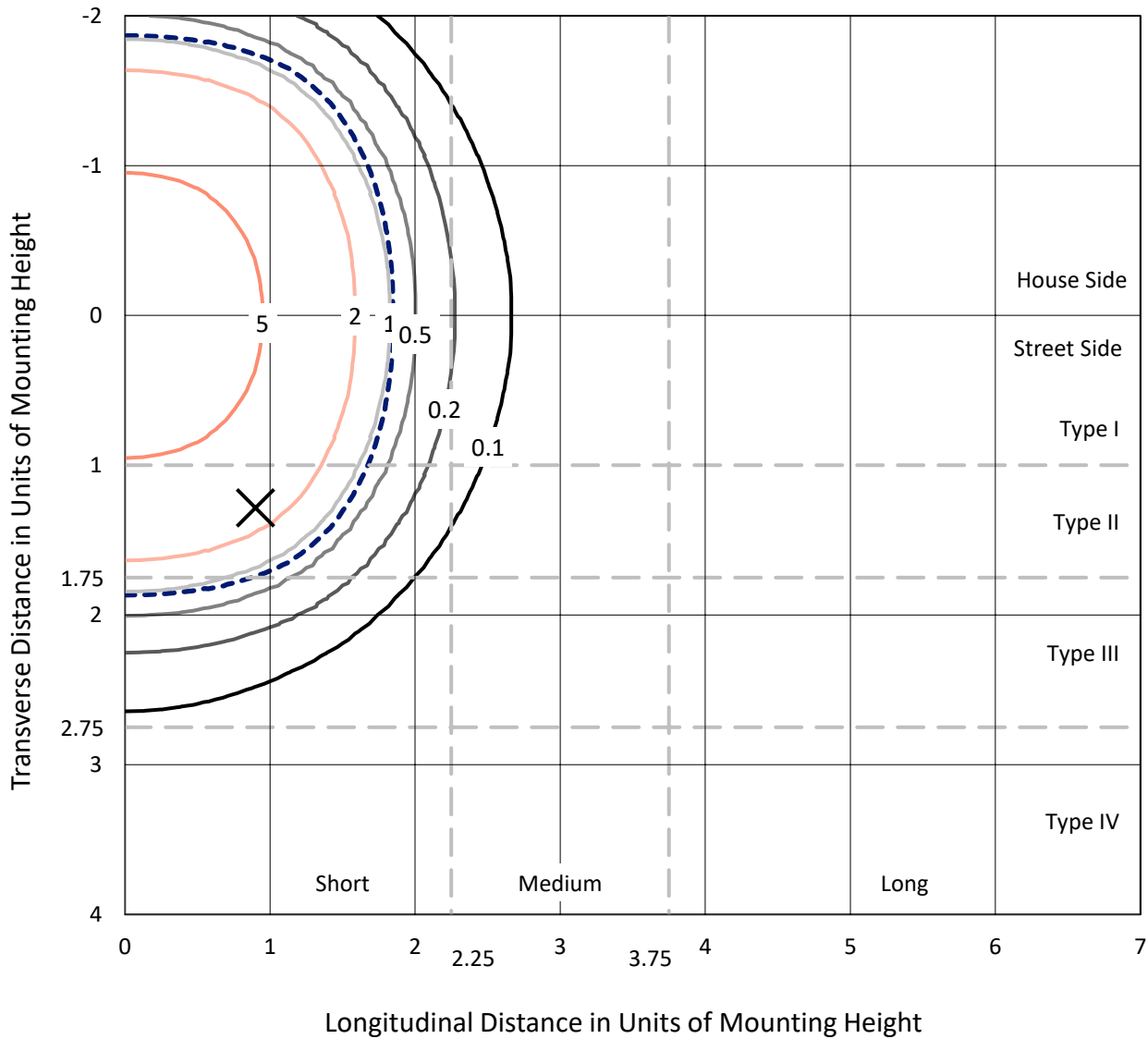


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Iso-Footcandle Lines of Horizontal Illumination

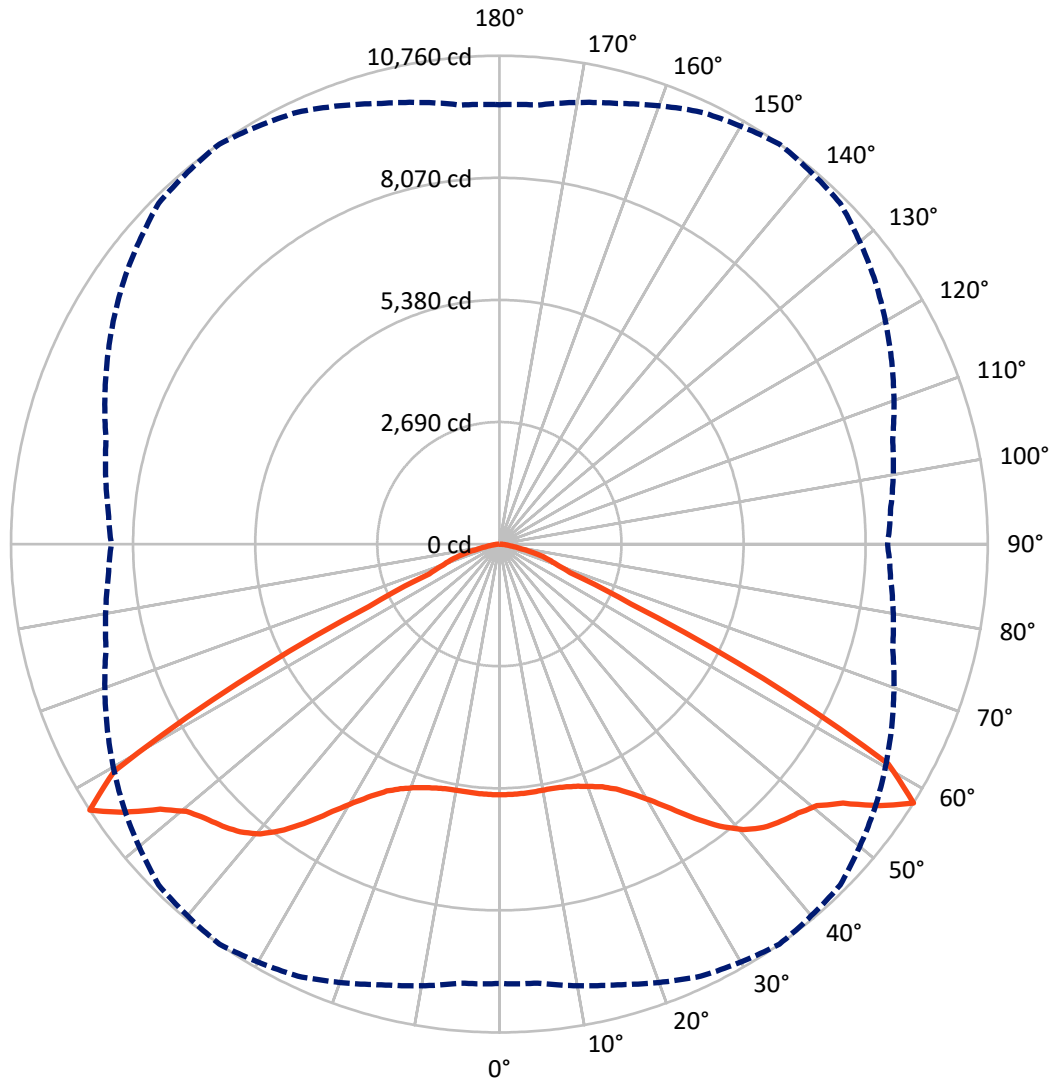
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14435.5	0.0	14435.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14435.5	0.0	14435.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28871.0	0.0	28871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.5	1.8
10°-20°	1567.9	5.4
20°-30°	2735.7	9.5
30°-40°	4486.0	15.5
40°-50°	6606.8	22.9
50°-60°	8431.4	29.2
60°-70°	3553.4	12.3
70°-80°	848.8	2.9
80°-90°	115.5	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°	28871.0	100.0
0°-180°	28871.0	100.0

Coefficient of Utilization



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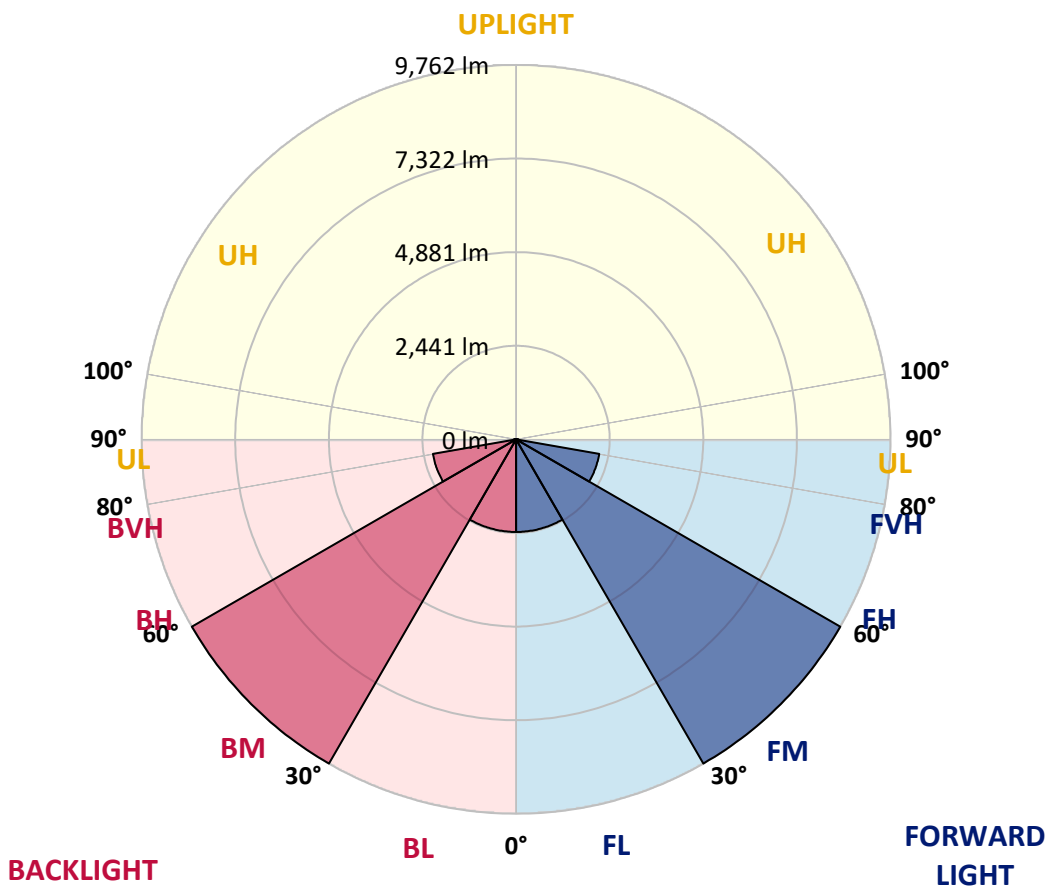
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2414.6	8.4			
FM (30°-60°)	9762.1	33.8			
FH (60°-80°)	2201.1	7.6			G2/5000
FVH (80°-90°)	57.8	0.2			G1/100
BL (0°-30°)	2414.6	8.4	B3/2500		
BM (30°-60°)	9762.1	33.8	B5		
BH (60°-80°)	2201.1	7.6	B3/2500		G2/5000
BVH (80°-90°)	57.8	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5524.1	5524.1	5524.1	5524.1	5524.1	5524.1	5524.1	5524.1	5524.1	5524.1	5524.1
2.5°	5491.0	5491.0	5502.9	5514.7	5519.4	5540.7	5538.3	5531.2	5526.5	5512.3	5531.2
5°	5502.9	5502.9	5512.3	5519.4	5517.0	5533.6	5526.5	5514.7	5507.6	5493.4	5514.7
7.5°	5500.5	5500.5	5507.6	5514.7	5510.0	5524.1	5512.3	5495.8	5484.0	5469.8	5488.7
10°	5469.8	5474.5	5481.6	5498.1	5505.2	5526.5	5510.0	5484.0	5465.0	5448.5	5467.4
12.5°	5465.0	5469.8	5479.2	5500.5	5512.3	5543.0	5521.8	5479.2	5450.9	5429.6	5448.5
15°	5486.3	5491.0	5505.2	5531.2	5550.1	5583.2	5552.5	5493.4	5453.2	5424.9	5441.4
17.5°	5512.3	5519.4	5540.7	5578.5	5609.2	5644.7	5606.9	5536.0	5479.2	5441.4	5455.6
20°	5540.7	5550.1	5583.2	5640.0	5696.7	5741.6	5694.3	5599.8	5531.2	5481.6	5495.8
22.5°	5590.3	5602.1	5644.7	5725.1	5810.2	5876.3	5817.2	5689.6	5599.8	5536.0	5547.8
25°	5692.0	5706.1	5760.5	5857.4	5978.0	6058.3	5975.6	5831.4	5706.1	5628.1	5640.0
27.5°	5871.6	5878.7	5949.6	6077.3	6226.2	6318.4	6219.1	6048.9	5909.4	5819.6	5829.1
30°	6108.0	6129.3	6200.2	6368.0	6545.3	6668.2	6538.2	6337.3	6176.5	6067.8	6077.3
32.5°	6396.4	6410.6	6516.9	6691.8	6947.1	7089.0	6911.7	6672.9	6479.1	6346.7	6356.2
35°	6774.6	6786.4	6888.0	7110.2	7419.9	7552.3	7349.0	7074.8	6850.2	6724.9	6760.4
37.5°	7226.1	7247.3	7320.6	7540.4	7885.5	8015.6	7781.5	7526.3	7292.2	7176.4	7202.4
40°	7710.6	7708.3	7767.4	7961.2	8275.6	8355.9	8145.6	7942.3	7741.4	7665.7	7708.3
42.5°	8126.6	8114.8	8157.4	8318.1	8535.6	8542.7	8403.2	8289.7	8147.9	8095.9	8136.1
45°	8417.4	8422.1	8485.9	8597.0	8708.1	8649.0	8606.5	8587.6	8476.5	8405.6	8412.7
47.5°	8646.7	8665.6	8767.2	8842.9	8857.1	8757.8	8816.9	8845.2	8753.0	8644.3	8613.6
50°	8850.0	8880.7	9013.1	9093.4	9062.7	8937.4	9053.2	9095.8	8892.5	8684.5	8623.0
52.5°	9218.7	9254.2	9414.9	9518.9	9483.5	9358.2	9466.9	9315.6	8972.9	8717.6	8639.6
55°	9807.3	9823.8	10020.0	10190.2	10173.7	10020.0	9932.6	9596.9	9180.9	8916.1	8842.9
57.5°	9682.0	9710.4	10050.8	10504.6	10759.9	10620.4	10107.5	9535.5	8970.5	8651.4	8552.1
60°	7618.4	7687.0	8110.1	8909.1	9845.1	9842.7	8890.1	8001.4	7320.6	6897.5	6854.9
62.5°	4448.6	4495.9	4881.2	5689.6	6528.7	6580.7	5911.8	5301.9	4706.3	4420.3	4283.2
65°	2106.1	2103.8	2257.4	2621.4	3188.7	3233.6	3032.7	2699.4	2347.2	2250.3	2224.3
67.5°	1555.4	1555.4	1543.5	1569.5	1678.3	1701.9	1678.3	1623.9	1590.8	1612.1	1597.9
70°	1349.7	1352.1	1337.9	1330.8	1330.8	1323.7	1333.2	1354.4	1368.6	1397.0	1382.8
72.5°	1094.4	1096.8	1096.8	1099.2	1101.5	1092.1	1106.2	1118.1	1120.4	1129.9	1120.4
75°	777.7	782.4	796.6	808.4	817.9	817.9	822.6	825.0	815.5	827.3	808.4
77.5°	427.8	432.6	458.6	479.8	501.1	503.5	510.6	515.3	510.6	520.0	505.8
80°	236.4	241.1	252.9	262.4	278.9	293.1	302.6	307.3	307.3	314.4	307.3
82.5°	134.7	139.5	146.6	151.3	165.5	177.3	186.7	193.8	193.8	196.2	191.5
85°	63.8	63.8	68.5	73.3	80.4	85.1	96.9	104.0	104.0	108.7	104.0
87.5°	9.5	11.8	14.2	14.2	18.9	23.6	28.4	30.7	35.5	37.8	37.8
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)