

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: P642970

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 27847.5 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

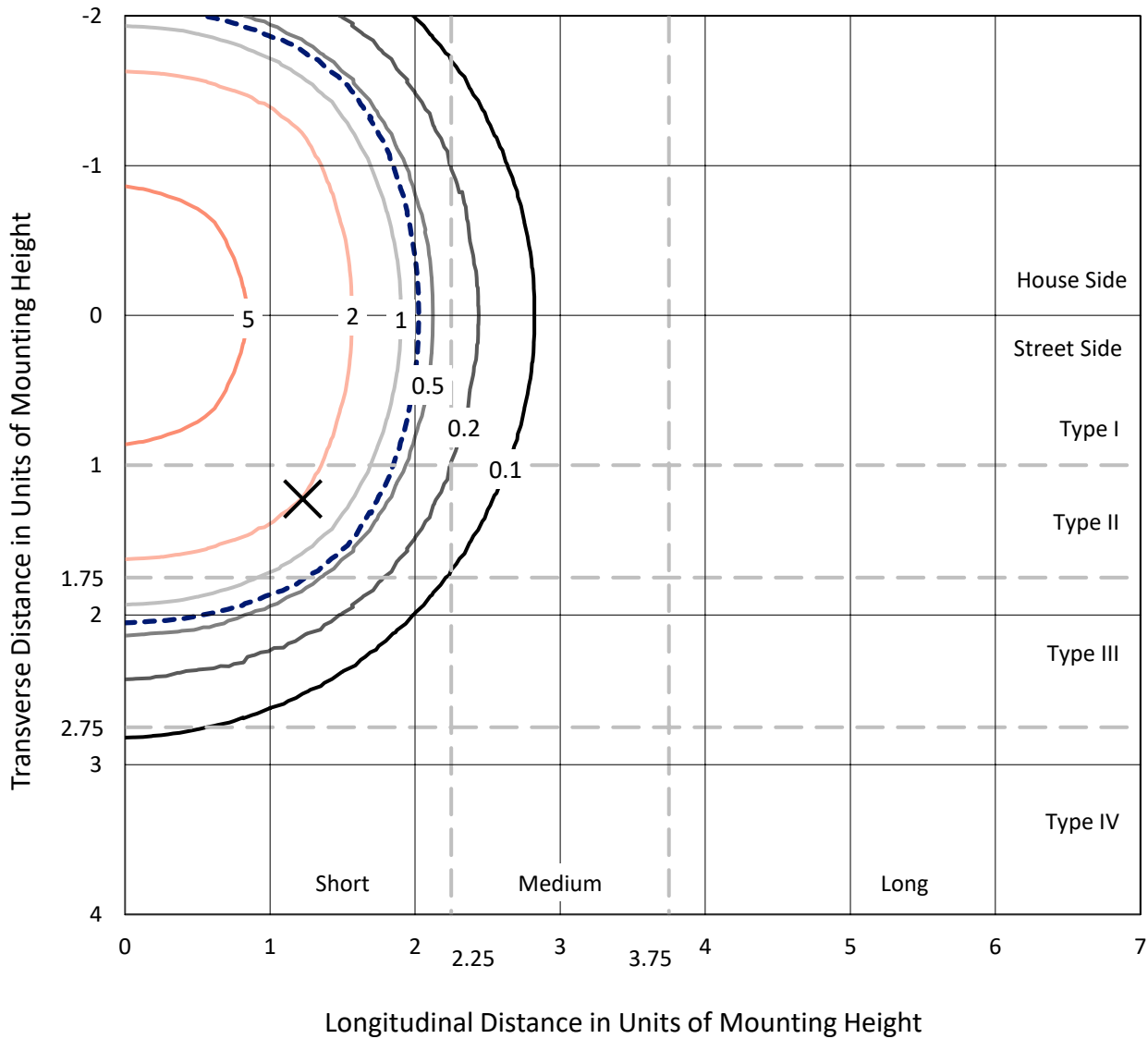
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

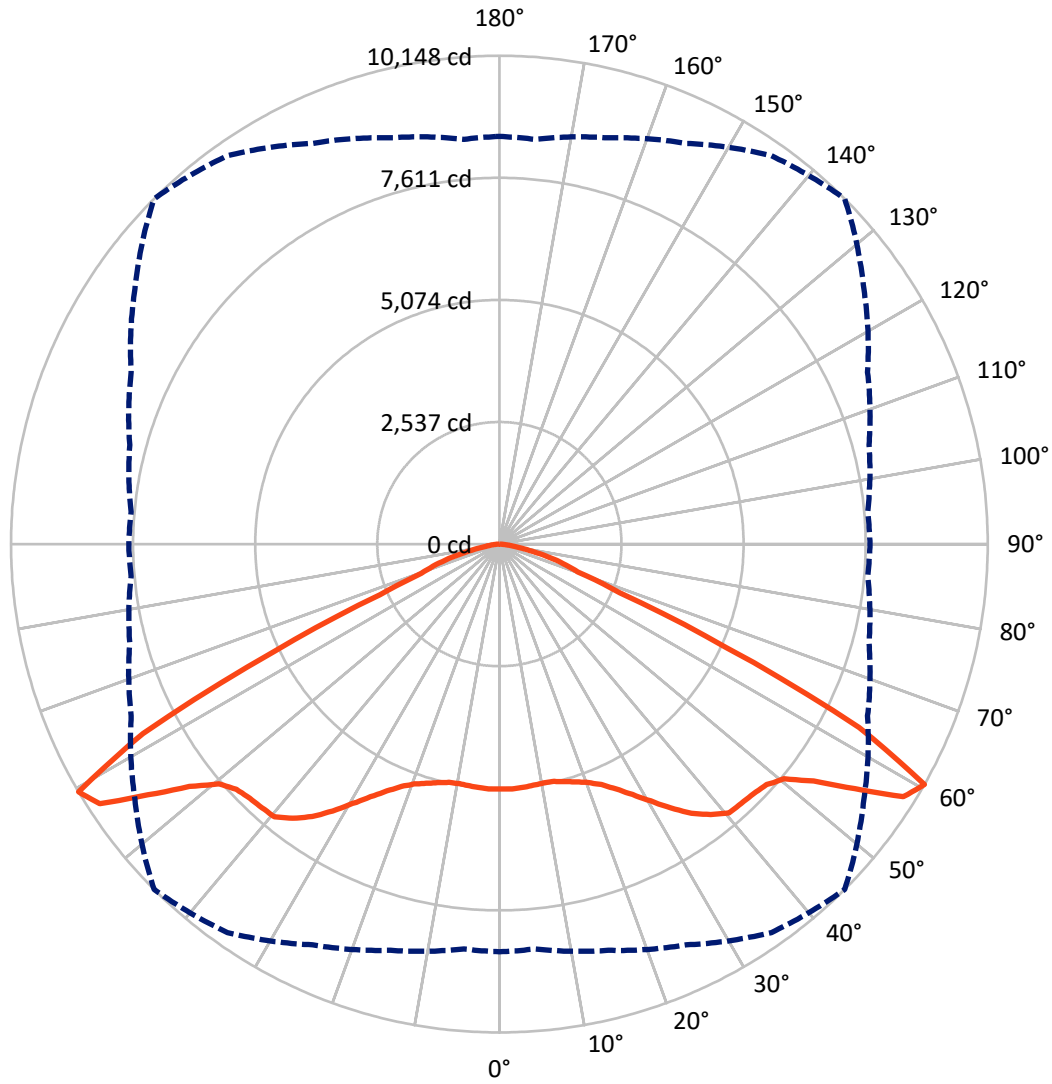
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13923.7	0.0	13923.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13923.7	0.0	13923.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	27847.5	0.0	27847.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.6	1.7
10°-20°	1451.7	5.2
20°-30°	2568.2	9.2
30°-40°	4134.9	14.8
40°-50°	5683.4	20.4
50°-60°	7573.7	27.2
60°-70°	4720.3	17.0
70°-80°	1085.4	3.9
80°-90°	147.3	0.5
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°	27847.5	100.0
0°-180°	27847.5	100.0

Coefficient of Utilization



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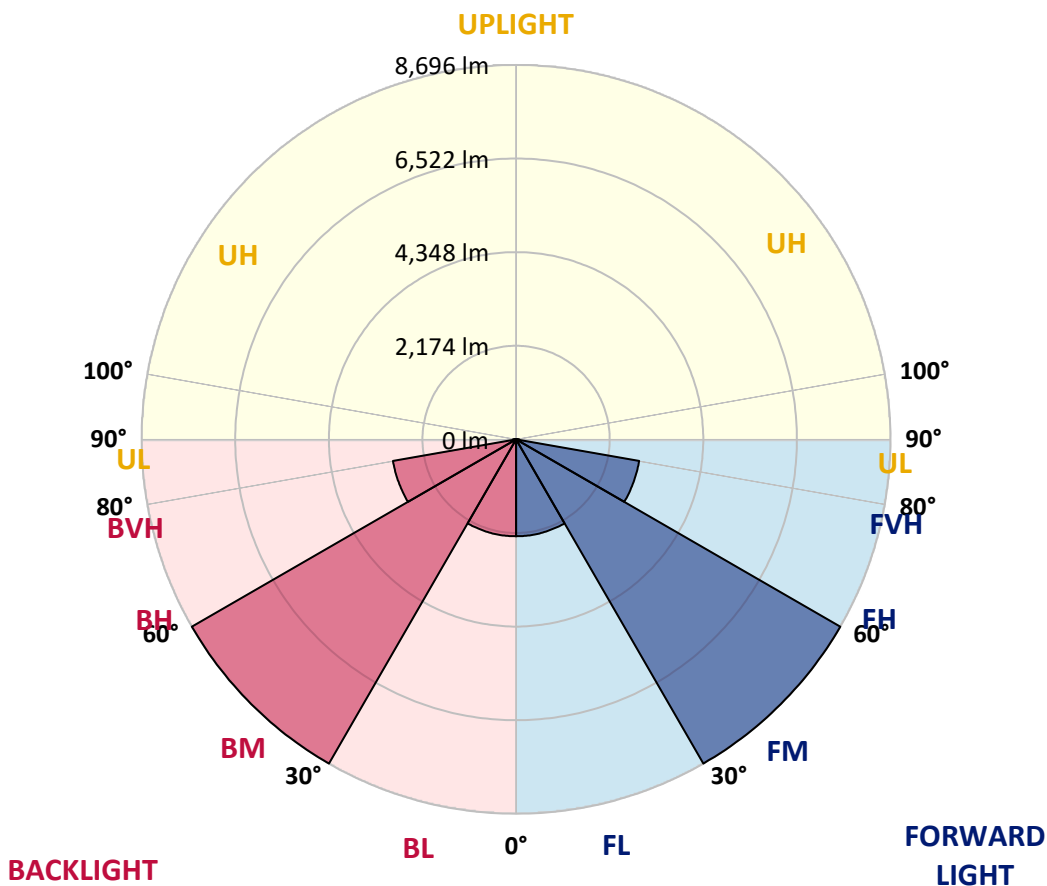
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2251.3	8.1			
FM (30°-60°)	8696.0	31.2			
FH (60°-80°)	2902.9	10.4			G2/5000
FVH (80°-90°)	73.6	0.3			G1/100
BL (0°-30°)	2251.3	8.1	B3/2500		
BM (30°-60°)	8696.0	31.2	B5		
BH (60°-80°)	2902.9	10.4	B4/5000		G2/5000
BVH (80°-90°)	73.6	0.3			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°	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1
2.5°	5053.6	5058.4	5067.8	5074.9	5084.4	5093.8	5098.5	5089.1	5084.4	5065.5	5086.7
5°	5058.4	5063.1	5070.2	5070.2	5072.5	5079.6	5079.6	5067.8	5056.0	5034.7	5058.4
7.5°	5051.3	5056.0	5058.4	5056.0	5058.4	5060.7	5056.0	5041.8	5030.0	5011.1	5030.0
10°	5039.5	5044.2	5048.9	5044.2	5039.5	5046.5	5046.5	5037.1	5030.0	5011.1	5032.4
12.5°	5065.5	5072.5	5074.9	5063.1	5058.4	5060.7	5060.7	5051.3	5051.3	5034.7	5058.4
15°	5126.9	5131.6	5124.5	5110.4	5112.7	5119.8	5103.3	5079.6	5074.9	5067.8	5086.7
17.5°	5174.2	5178.9	5171.8	5162.4	5178.9	5195.5	5164.7	5119.8	5105.6	5100.9	5122.2
20°	5226.2	5233.3	5223.8	5235.6	5268.7	5287.6	5249.8	5188.4	5160.0	5152.9	5178.9
22.5°	5311.3	5320.7	5320.7	5346.7	5396.4	5427.1	5379.8	5297.1	5254.6	5242.7	5268.7
25°	5446.0	5453.1	5460.2	5512.2	5592.6	5635.1	5559.5	5446.0	5386.9	5368.0	5382.2
27.5°	5632.7	5644.6	5656.4	5732.0	5831.3	5892.8	5784.0	5642.2	5568.9	5531.1	5559.5
30°	5854.9	5871.5	5899.8	5984.9	6124.4	6192.9	6053.5	5880.9	5798.2	5758.0	5795.8
32.5°	6157.5	6159.9	6181.1	6275.7	6460.0	6538.1	6363.1	6171.7	6086.6	6039.3	6060.6
35°	6516.8	6519.1	6486.0	6583.0	6781.5	6869.0	6663.3	6469.5	6398.6	6384.4	6438.8
37.5°	6885.5	6864.2	6831.2	6873.7	7074.6	7131.3	6913.9	6748.4	6717.7	6743.7	6824.1
40°	7147.9	7112.4	7046.3	7077.0	7280.3	7346.4	7114.8	6958.8	6949.3	7013.2	7110.1
42.5°	7318.1	7280.3	7202.3	7202.3	7341.7	7370.1	7190.4	7107.7	7129.0	7202.3	7294.4
45°	7400.8	7379.5	7334.6	7311.0	7389.0	7400.8	7263.7	7230.6	7270.8	7306.3	7377.2
47.5°	7464.6	7464.6	7450.4	7426.8	7462.3	7469.4	7367.7	7358.3	7410.3	7410.3	7457.5
50°	7578.1	7589.9	7608.8	7604.1	7641.9	7665.5	7589.9	7575.7	7597.0	7528.5	7552.1
52.5°	7875.9	7906.6	7961.0	8003.6	8100.5	8173.7	8039.0	7925.6	7814.5	7663.2	7667.9
55°	8410.1	8424.3	8530.7	8655.9	8819.0	8968.0	8691.4	8339.2	8098.1	7920.8	7923.2
57.5°	8861.6	8882.9	9038.9	9301.2	9667.6	9899.3	9287.1	8698.5	8358.1	8140.7	8147.7
60°	8471.6	8443.2	8738.7	9187.8	9852.0	10147.5	9244.5	8440.8	7951.6	7682.1	7701.0
62.5°	6554.6	6500.2	6828.8	7299.2	8095.7	8391.2	7559.2	6788.6	6325.3	6114.9	6084.2
65°	3990.0	3940.3	4176.7	4465.1	5004.0	5190.7	4810.2	4401.2	3997.1	3869.4	3834.0
67.5°	2172.3	2165.2	2229.0	2370.8	2607.2	2694.6	2621.4	2427.5	2323.5	2233.7	2233.7
70°	1723.2	1709.0	1697.2	1699.5	1720.8	1732.6	1735.0	1725.5	1737.3	1739.7	1730.2
72.5°	1427.7	1423.0	1399.3	1401.7	1392.2	1387.5	1404.1	1413.5	1432.4	1434.8	1434.8
75°	1035.3	1023.5	1035.3	1037.7	1028.2	1028.2	1040.0	1037.7	1047.1	1051.9	1025.9
77.5°	588.6	588.6	605.1	624.0	638.2	638.2	650.0	650.0	661.8	659.5	654.8
80°	323.8	323.8	333.3	345.1	359.3	373.5	385.3	387.7	394.7	392.4	385.3
82.5°	184.4	186.7	191.5	198.6	212.7	224.6	236.4	238.7	245.8	245.8	238.7
85°	87.5	85.1	87.5	92.2	99.3	108.7	120.5	127.6	132.4	132.4	127.6
87.5°	16.5	18.9	16.5	18.9	21.3	28.4	33.1	37.8	44.9	47.3	42.5
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)