

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: P642966

Luminaire Tested: GWS-SA6E-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642966
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-SAGE-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23202.7 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

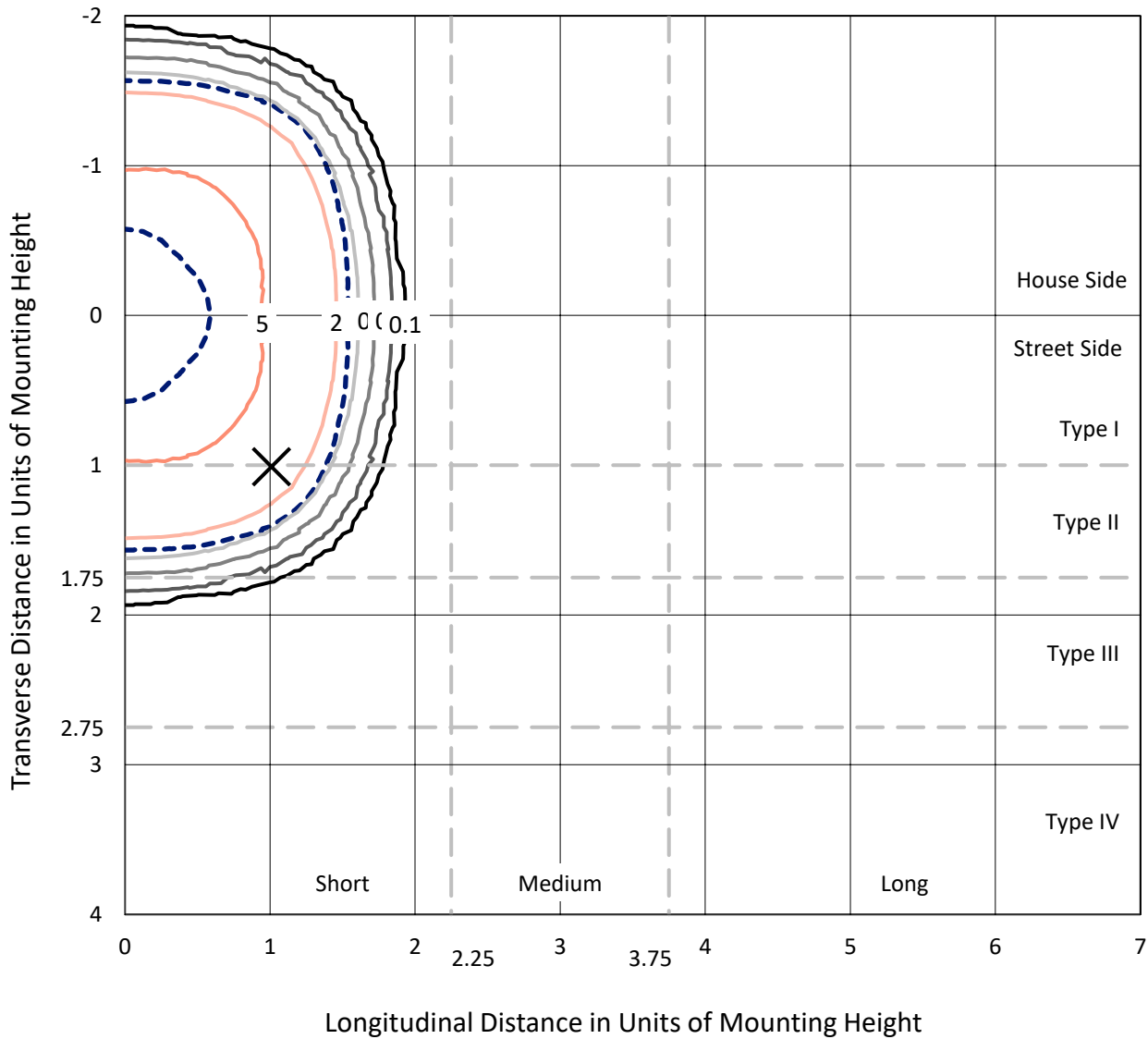
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

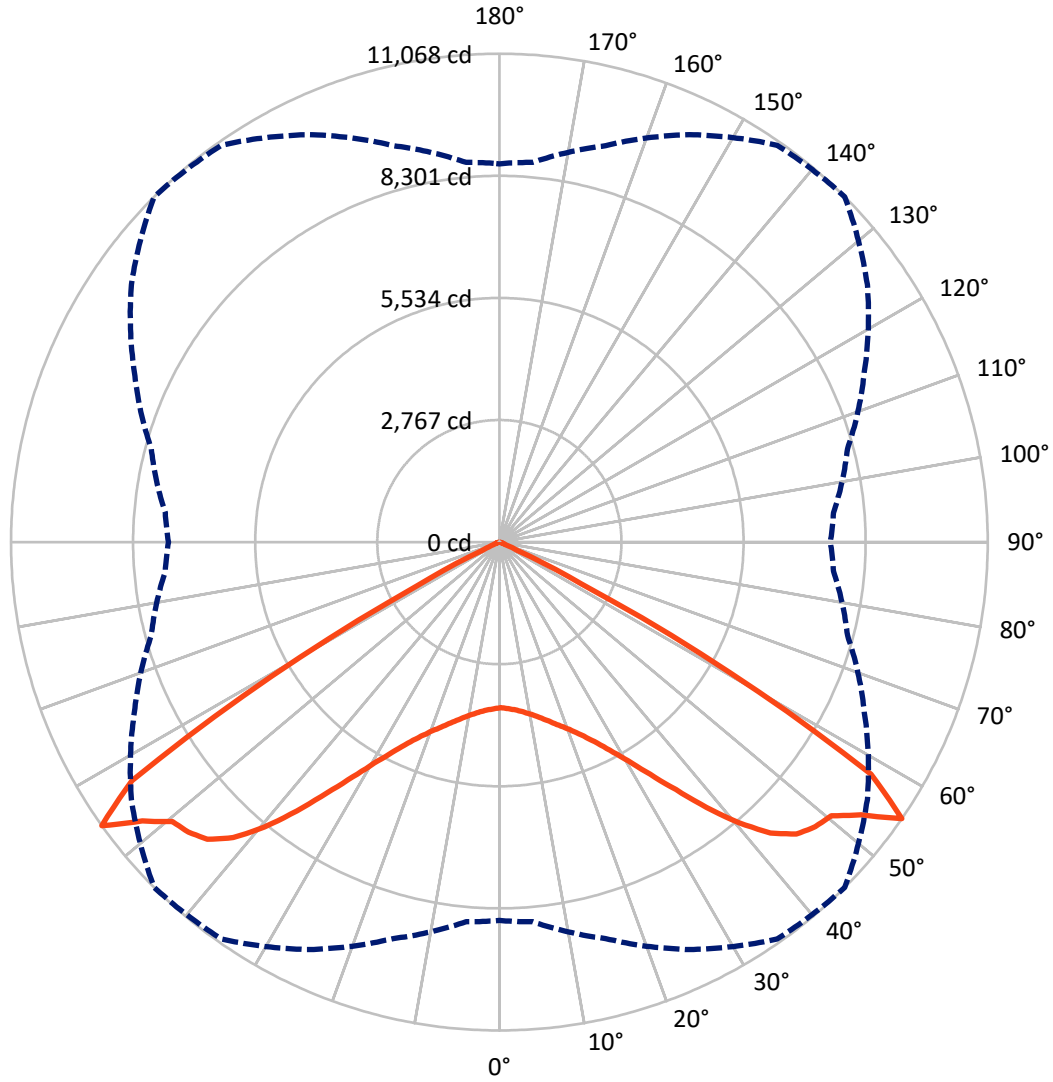
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11601.4	0.0	11601.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11601.4	0.0	11601.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	23202.7	0.0	23202.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.6	1.6
10°-20°	1191.4	5.1
20°-30°	2307.4	9.9
30°-40°	4133.8	17.8
40°-50°	6930.7	29.9
50°-60°	7419.0	32.0
60°-70°	815.3	3.5
70°-80°	35.9	0.2
80°-90°	1.7	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°	23202.7	100.0
0°-180°	23202.7	100.0

Coefficient of Utilization



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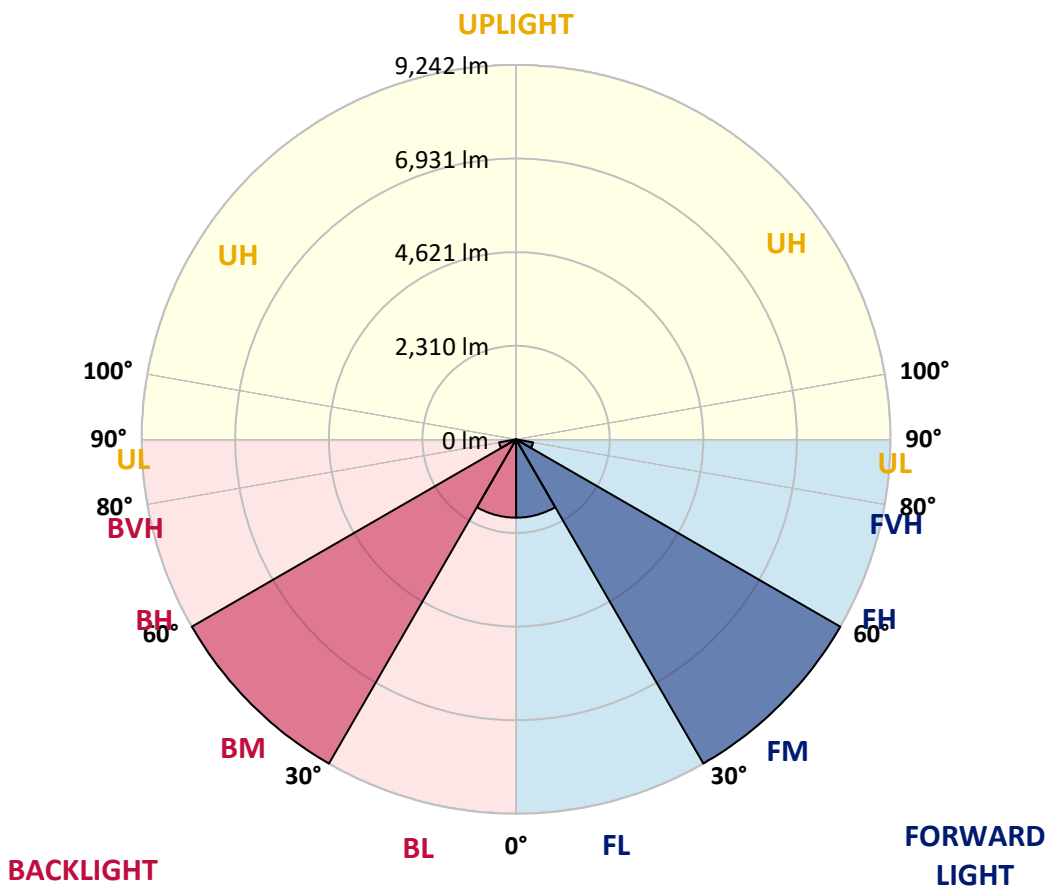
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1933.2	8.3			
FM (30°-60°)	9241.7	39.8			
FH (60°-80°)	425.6	1.8			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1933.2	8.3	B3/2500		
BM (30°-60°)	9241.7	39.8	B5		
BH (60°-80°)	425.6	1.8	B1/500		G0/660
BVH (80°-90°)	0.8	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°	3751.4	3751.4	3751.4	3751.4	3751.4	3751.4	3751.4	3751.4	3751.4	3751.4	3751.4
2.5°	3744.3	3744.3	3753.8	3760.9	3760.9	3779.8	3772.7	3765.6	3765.6	3756.2	3775.1
5°	3798.7	3796.3	3805.8	3810.5	3801.1	3820.0	3808.2	3801.1	3796.3	3786.9	3805.8
7.5°	3857.8	3860.2	3862.5	3872.0	3867.3	3886.2	3876.7	3862.5	3857.8	3843.6	3862.5
10°	3928.7	3928.7	3933.4	3945.3	3947.6	3971.3	3961.8	3945.3	3931.1	3916.9	3935.8
12.5°	4018.5	4020.9	4028.0	4044.5	4054.0	4080.0	4065.8	4032.7	4011.5	3994.9	4016.2
15°	4148.6	4146.2	4155.6	4179.3	4191.1	4210.0	4188.7	4143.8	4117.8	4098.9	4113.1
17.5°	4290.4	4290.4	4295.1	4318.8	4335.3	4363.7	4337.7	4283.3	4259.7	4233.7	4247.8
20°	4446.4	4453.5	4458.2	4474.8	4503.1	4531.5	4510.2	4455.9	4429.9	4396.8	4413.3
22.5°	4652.1	4645.0	4647.3	4675.7	4715.9	4744.2	4727.7	4663.9	4619.0	4593.0	4602.4
25°	4881.3	4879.0	4886.1	4928.6	4973.5	5004.3	4980.6	4897.9	4853.0	4808.1	4827.0
27.5°	5162.6	5165.0	5169.7	5221.7	5292.7	5337.6	5278.5	5195.7	5134.3	5075.2	5089.4
30°	5496.0	5491.2	5505.4	5576.3	5680.3	5751.2	5682.7	5566.9	5479.4	5422.7	5429.8
32.5°	5850.5	5855.3	5893.1	6006.5	6143.6	6268.9	6129.5	5975.8	5862.3	5756.0	5770.2
35°	6233.5	6245.3	6330.4	6498.2	6722.8	6890.6	6696.8	6443.9	6283.1	6146.0	6150.7
37.5°	6685.0	6713.3	6831.5	7082.1	7403.6	7628.1	7344.5	7008.8	6800.8	6630.6	6618.8
40°	7278.3	7311.4	7472.1	7770.0	8160.0	8365.7	8037.1	7692.0	7434.3	7249.9	7221.6
42.5°	7959.1	8001.6	8176.6	8481.5	8871.5	9011.0	8689.5	8398.8	8167.1	7949.6	7940.2
45°	8727.3	8751.0	8892.8	9126.8	9408.1	9441.2	9200.1	9039.4	8805.3	8602.0	8585.5
47.5°	9448.3	9471.9	9568.9	9689.4	9755.6	9637.4	9594.9	9524.0	9221.4	8970.8	8918.8
50°	9996.7	10015.6	10136.2	10183.5	9999.1	9748.5	9831.3	9680.0	9351.4	9070.1	8989.7
52.5°	9958.9	10006.2	10315.8	10585.3	10469.5	10266.2	10044.0	9717.8	9207.2	8821.9	8722.6
55°	8573.7	8637.5	9301.7	10188.2	10980.1	11067.5	10178.7	9126.8	8167.1	7602.1	7500.5
57.5°	5510.1	5526.7	6337.5	7580.9	9365.6	9928.2	8441.3	6881.2	5687.4	5065.7	5023.2
60°	2025.8	1992.7	2605.0	3635.6	5394.3	5990.0	4968.8	3479.6	2482.0	2042.4	2006.9
62.5°	487.0	491.7	609.9	914.8	1692.5	2094.4	1654.7	924.3	588.6	494.0	489.3
65°	245.8	241.1	243.5	262.4	361.7	432.6	354.6	250.6	241.1	243.5	241.1
67.5°	158.4	156.0	160.7	163.1	160.7	151.3	148.9	153.7	153.7	156.0	151.3
70°	96.9	94.6	99.3	106.4	101.6	89.8	94.6	99.3	94.6	92.2	92.2
72.5°	52.0	52.0	56.7	61.5	56.7	52.0	52.0	54.4	52.0	52.0	52.0
75°	23.6	23.6	26.0	28.4	23.6	23.6	23.6	23.6	23.6	23.6	23.6
77.5°	7.1	7.1	9.5	9.5	7.1	7.1	7.1	7.1	9.5	9.5	9.5
80°	2.4	4.7	4.7	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	2.4	2.4	2.4	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4	2.4
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)