

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: P642963

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 20146.4 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

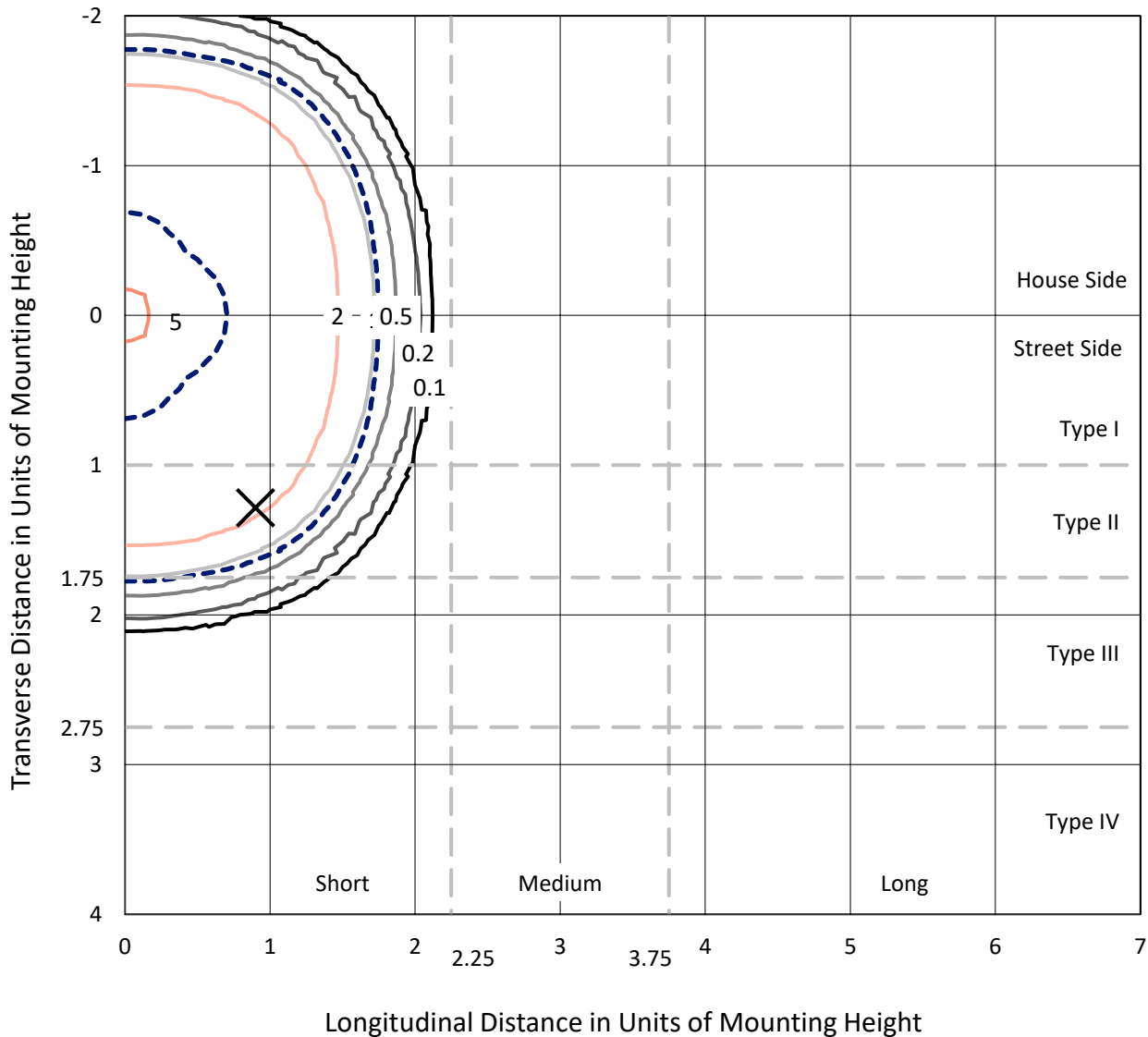
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

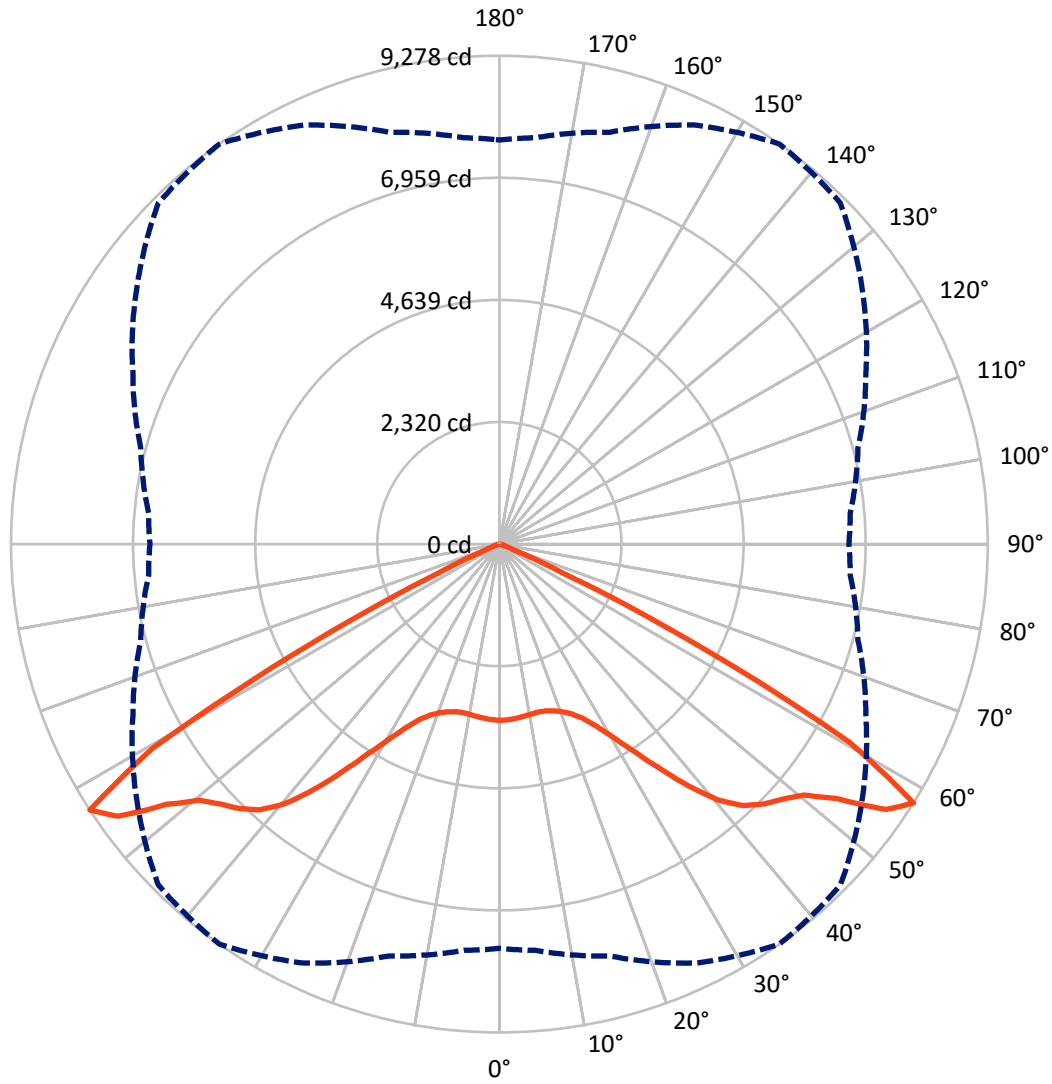
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	10073.2	0.0	10073.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10073.2	0.0	10073.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	20146.4	0.0	20146.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.6	1.6
10°-20°	928.3	4.6
20°-30°	1677.9	8.3
30°-40°	3130.3	15.5
40°-50°	5251.2	26.1
50°-60°	6934.7	34.4
60°-70°	1841.7	9.1
70°-80°	65.4	0.3
80°-90°	1.2	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°	20146.4	100.0
0°-180°	20146.4	100.0

Coefficient of Utilization



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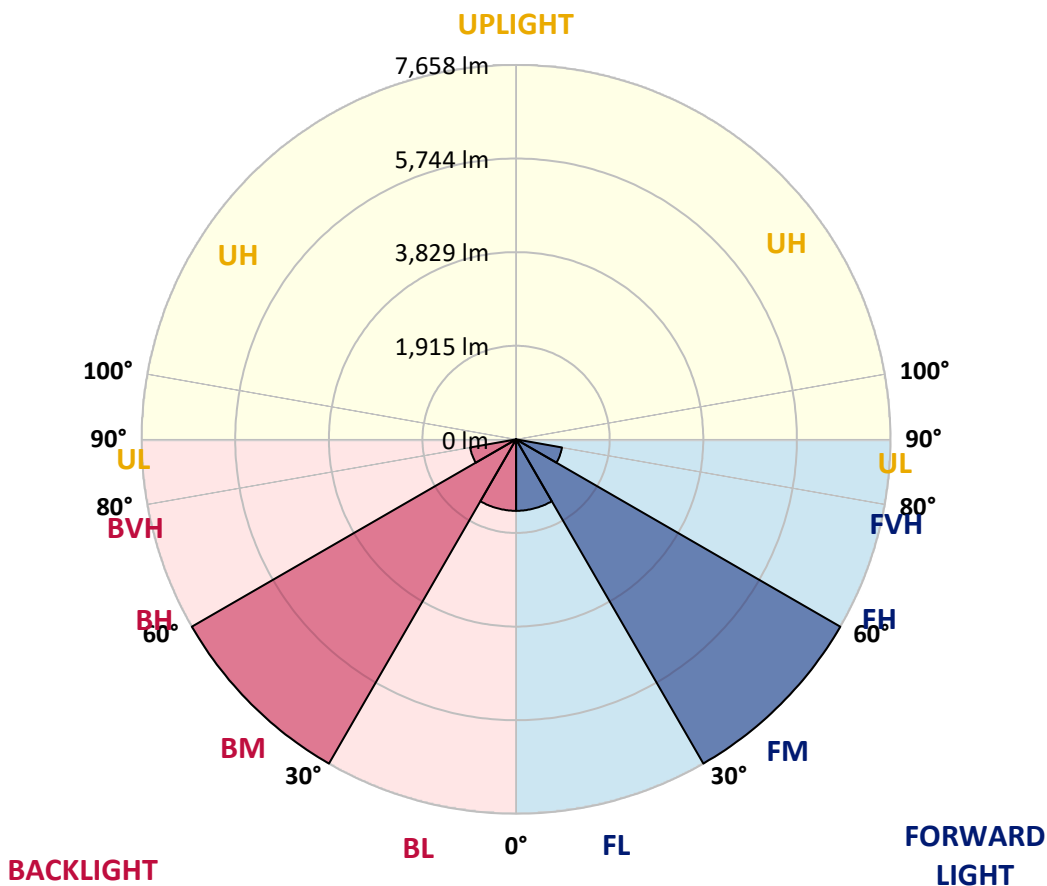
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1460.9	7.3			
FM (30°-60°)	7658.1	38.0			
FH (60°-80°)	953.6	4.7			G1/1800
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1460.9	7.3	B3/2500		
BM (30°-60°)	7658.1	38.0	B4/8500		
BH (60°-80°)	953.6	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3349.5	3349.5	3349.5	3349.5	3349.5	3349.5	3349.5	3349.5	3349.5	3349.5	3349.5
2.5°	3325.9	3323.5	3333.0	3340.1	3340.1	3356.6	3351.9	3347.2	3342.4	3335.3	3351.9
5°	3321.2	3318.8	3325.9	3330.6	3325.9	3340.1	3330.6	3321.2	3316.4	3307.0	3325.9
7.5°	3299.9	3302.2	3307.0	3311.7	3304.6	3316.4	3304.6	3290.4	3278.6	3269.2	3285.7
10°	3266.8	3269.2	3273.9	3283.3	3285.7	3302.2	3285.7	3259.7	3243.1	3229.0	3245.5
12.5°	3250.2	3252.6	3259.7	3271.5	3273.9	3295.2	3273.9	3236.1	3212.4	3195.9	3212.4
15°	3255.0	3259.7	3269.2	3283.3	3288.1	3309.3	3281.0	3231.3	3198.2	3177.0	3191.1
17.5°	3271.5	3276.2	3290.4	3314.1	3330.6	3351.9	3316.4	3252.6	3207.7	3177.0	3191.1
20°	3292.8	3299.9	3323.5	3361.3	3396.8	3434.6	3389.7	3302.2	3243.1	3205.3	3217.1
22.5°	3351.9	3359.0	3392.1	3441.7	3500.8	3548.1	3493.7	3382.6	3302.2	3252.6	3264.4
25°	3472.4	3479.5	3522.1	3585.9	3661.5	3723.0	3654.5	3515.0	3411.0	3354.2	3359.0
27.5°	3661.5	3668.6	3718.3	3808.1	3909.7	3997.2	3897.9	3734.8	3616.6	3550.4	3550.4
30°	3900.3	3909.7	3975.9	4096.5	4254.9	4370.7	4235.9	4037.4	3886.1	3796.3	3798.6
32.5°	4207.6	4198.1	4292.7	4458.1	4682.7	4836.4	4637.8	4396.7	4209.9	4084.7	4096.5
35°	4602.3	4600.0	4706.3	4930.9	5224.0	5408.4	5172.0	4860.0	4635.4	4507.8	4510.2
37.5°	5110.6	5108.2	5231.1	5474.6	5826.8	5980.4	5715.7	5398.9	5157.8	5034.9	5049.1
40°	5706.2	5692.1	5800.8	6034.8	6387.0	6486.3	6197.9	5942.6	5711.0	5633.0	5670.8
42.5°	6273.6	6242.8	6306.6	6519.4	6791.2	6805.4	6587.9	6413.0	6254.6	6193.2	6216.8
45°	6729.8	6706.1	6765.2	6888.1	7044.2	6973.2	6869.2	6814.9	6687.2	6621.0	6642.3
47.5°	7070.2	7070.2	7141.1	7216.7	7240.4	7110.3	7126.9	7126.9	6999.2	6895.2	6869.2
50°	7363.3	7384.5	7490.9	7568.9	7490.9	7325.5	7420.0	7401.1	7141.1	6933.1	6878.7
52.5°	7831.3	7852.6	8015.7	8122.1	8034.6	7871.5	7883.3	7646.9	7264.0	7018.2	6933.1
55°	8327.7	8379.7	8616.1	8899.7	8902.1	8734.3	8422.3	8003.9	7538.2	7271.1	7183.6
57.5°	7677.7	7748.6	8100.8	8783.9	9278.0	9162.1	8417.5	7682.4	7053.6	6689.6	6639.9
60°	5283.1	5406.0	5758.2	6691.9	7644.6	7689.5	6810.1	5985.2	5264.2	4815.1	4824.5
62.5°	2231.4	2356.7	2555.3	3323.5	4198.1	4252.5	3827.0	3236.1	2647.5	2323.6	2373.3
65°	524.8	560.2	619.3	919.5	1333.2	1394.6	1285.9	1002.3	739.9	626.4	638.2
67.5°	229.3	234.0	222.2	236.4	293.1	300.2	290.7	255.3	241.1	245.8	245.8
70°	160.7	163.1	153.6	146.6	139.5	130.0	134.7	148.9	160.7	170.2	167.8
72.5°	99.3	101.6	104.0	104.0	96.9	87.5	92.2	101.6	104.0	106.4	104.0
75°	49.6	52.0	56.7	59.1	56.7	54.4	54.4	56.7	56.7	54.4	54.4
77.5°	9.5	11.8	16.5	18.9	18.9	18.9	18.9	18.9	21.3	18.9	18.9
80°	2.4	2.4	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7
82.5°	2.4	2.4	2.4	2.4	0.0	0.0	2.4	2.4	2.4	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)