

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: P628614

Luminaire Tested: GWS-SA1A-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1899 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

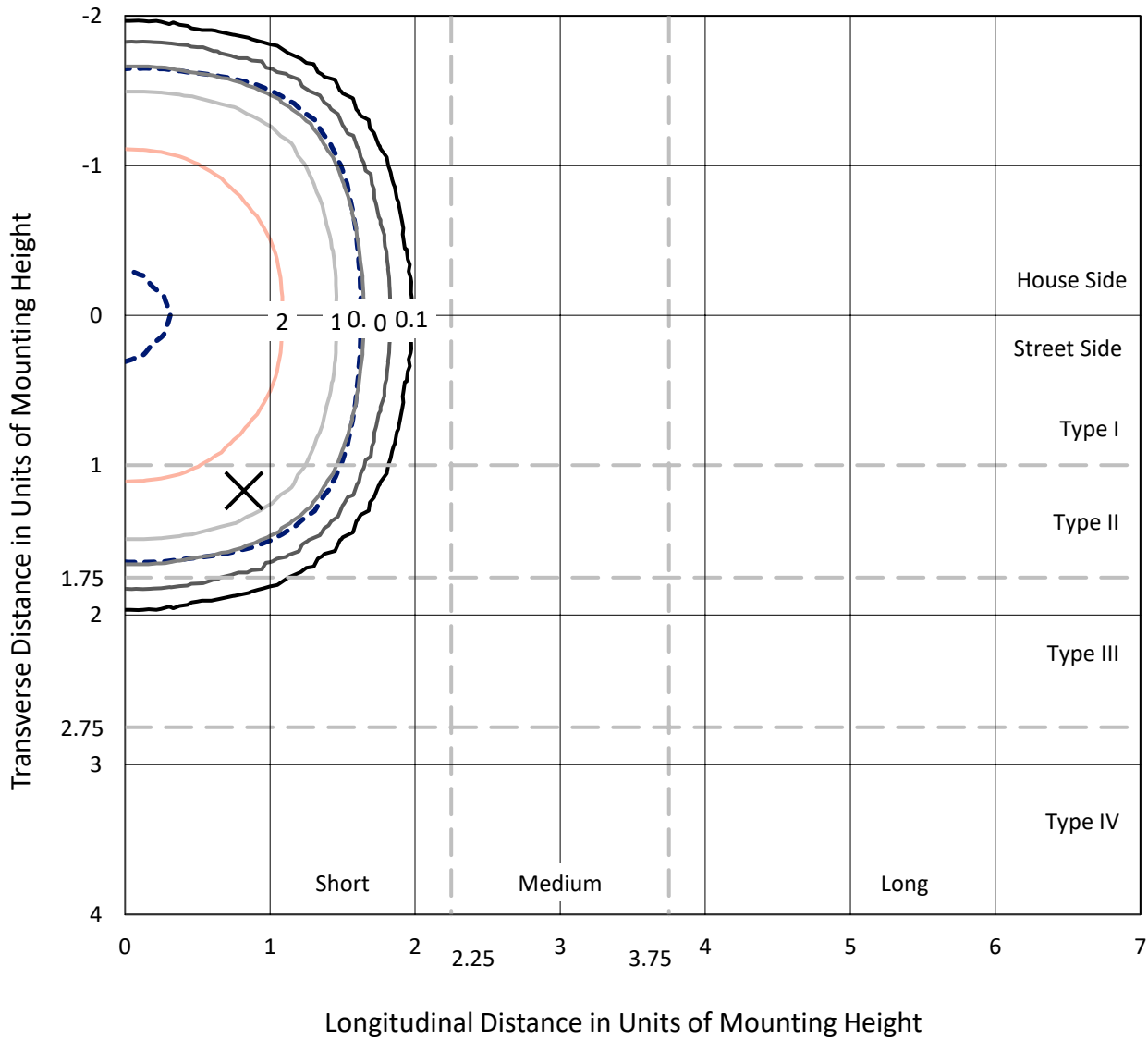
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

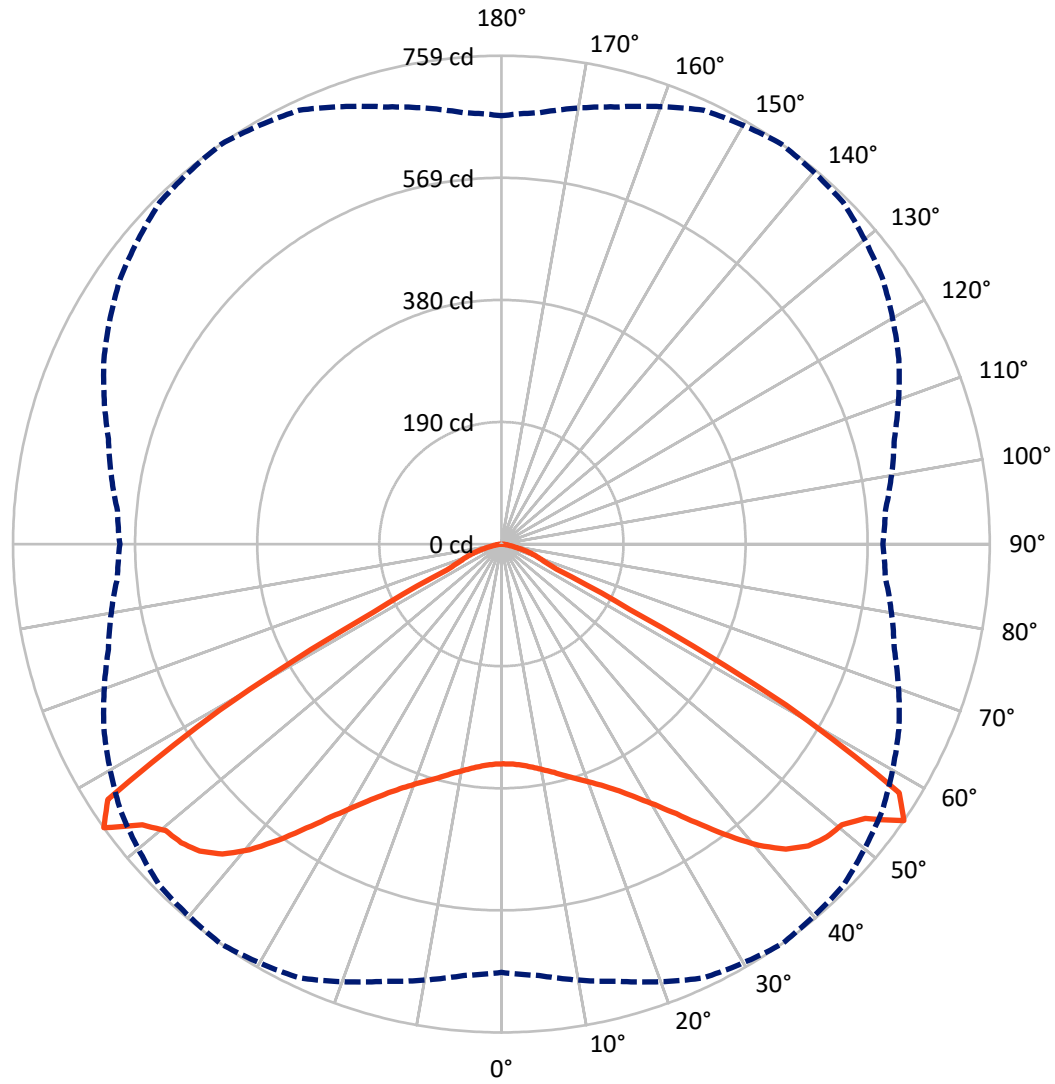
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	949.5	0.0	949.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	949.5	0.0	949.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1899.0	0.0	1899.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	1.8
10°-20°	106.1	5.6
20°-30°	196.4	10.3
30°-40°	328.5	17.3
40°-50°	500.5	26.4
50°-60°	560.7	29.5
60°-70°	132.7	7.0
70°-80°	35.8	1.9
80°-90°	5.2	0.3
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°	1899.0	100.0
0°-180°	1899.0	100.0

Coefficient of Utilization



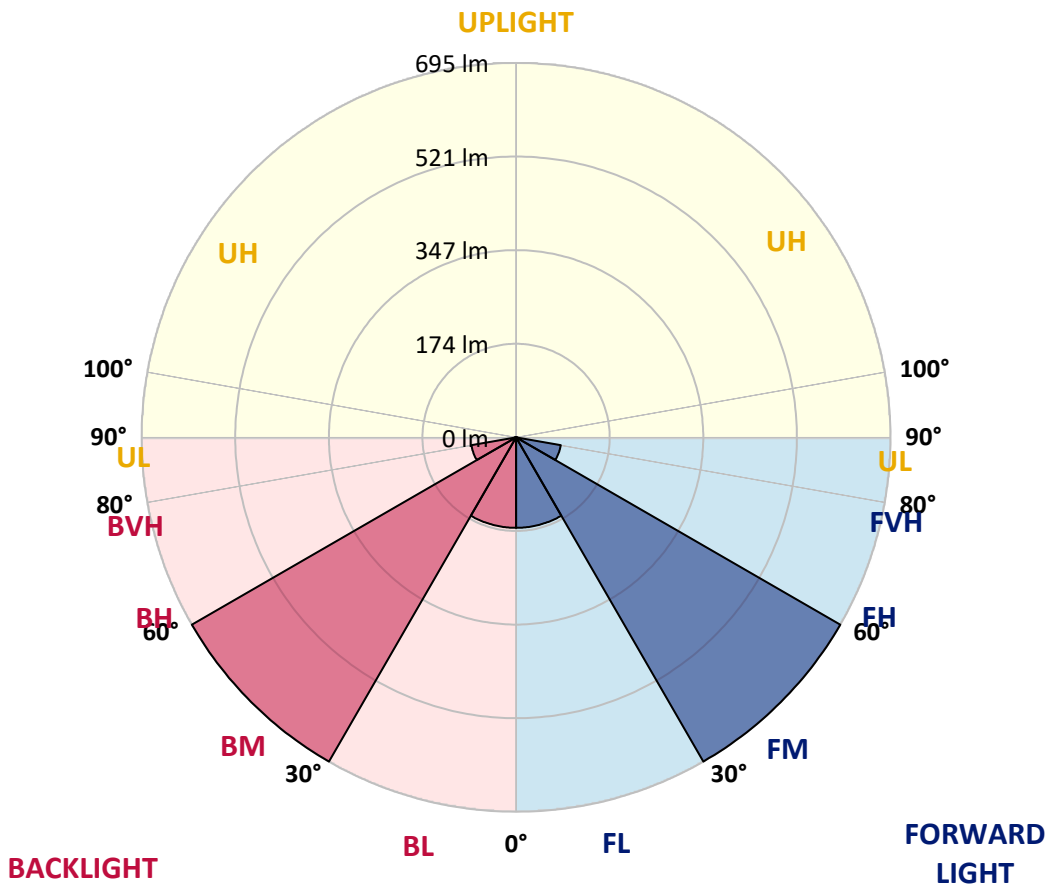
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.9	8.8			
FM (30°-60°)	694.8	36.6			
FH (60°-80°)	84.2	4.4			G0/660
FVH (80°-90°)	2.6	0.1			G0/10
BL (0°-30°)	167.9	8.8	B1/500		
BM (30°-60°)	694.8	36.6	B1/1000		
BH (60°-80°)	84.2	4.4	B0/110		G0/660
BVH (80°-90°)	2.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6
2.5°	340.9	340.9	341.5	342.2	342.4	343.9	343.6	343.0	342.7	342.1	343.4
5°	344.6	344.8	345.2	345.7	345.4	346.6	346.1	345.4	344.9	344.2	345.5
7.5°	349.6	349.6	350.0	350.6	350.3	352.1	351.2	350.2	349.4	348.5	349.7
10°	354.1	354.4	354.9	356.1	356.7	358.6	358.0	356.5	355.3	354.2	355.6
12.5°	360.9	361.2	361.6	363.3	364.3	366.3	365.4	363.3	361.5	360.0	361.5
15°	369.6	369.3	370.5	372.6	373.9	375.7	374.7	371.1	368.7	366.7	368.2
17.5°	378.4	378.3	379.5	382.2	384.1	386.5	384.7	380.5	378.0	375.6	377.1
20°	388.0	388.5	389.7	392.2	395.1	398.2	396.7	392.2	389.4	386.7	387.9
22.5°	399.9	400.1	401.4	404.7	408.5	411.5	410.6	405.0	401.4	398.5	400.1
25°	414.2	414.0	415.8	419.7	425.0	428.0	426.0	419.9	416.0	412.7	413.9
27.5°	430.5	430.4	433.1	438.2	445.7	449.9	445.9	438.2	432.8	428.1	429.2
30°	451.1	450.7	453.7	460.6	470.3	477.4	471.4	460.7	453.7	448.7	449.8
32.5°	473.9	474.5	478.3	487.6	499.9	509.1	500.1	488.2	478.7	471.5	472.7
35°	499.0	499.0	506.7	518.2	535.8	548.0	534.0	516.9	504.3	494.4	494.7
37.5°	526.9	527.2	537.3	553.2	576.2	590.5	571.5	550.4	535.1	524.4	523.8
40°	561.0	561.9	572.3	590.0	615.8	628.9	608.6	587.9	572.3	559.7	558.5
42.5°	599.5	599.8	610.7	626.7	648.4	656.2	640.3	623.4	610.6	599.2	598.0
45°	636.1	635.4	644.8	656.7	669.3	670.1	661.2	654.3	643.2	633.4	631.6
47.5°	664.6	664.0	672.6	679.1	680.6	673.2	676.1	677.1	664.2	651.0	647.5
50°	682.1	683.3	691.4	695.0	686.1	674.1	684.9	682.2	663.7	646.5	640.9
52.5°	692.6	694.4	708.5	717.7	708.5	697.1	698.6	682.7	656.1	633.3	626.1
55°	666.0	673.2	703.7	744.2	759.3	751.3	722.8	681.8	632.5	599.3	593.2
57.5°	493.6	505.0	550.2	638.1	729.4	758.4	675.0	571.5	496.9	454.3	450.7
60°	252.0	264.7	300.9	391.2	508.6	549.5	470.2	366.0	290.9	256.3	252.4
62.5°	102.9	105.0	116.8	151.7	224.8	259.3	227.8	159.9	120.1	110.7	110.8
65°	80.9	81.4	80.8	82.9	94.2	104.5	96.6	84.8	82.7	83.8	83.0
67.5°	70.6	70.7	70.3	70.3	70.7	70.3	71.2	71.6	71.9	73.1	72.4
70°	59.0	59.2	59.2	59.5	59.3	58.6	59.9	60.5	60.7	61.4	61.0
72.5°	45.7	46.1	46.4	46.6	46.4	46.0	46.7	47.8	47.6	48.4	47.6
75°	30.9	31.5	31.8	32.4	32.3	32.3	33.2	33.6	33.2	33.8	33.2
77.5°	17.6	18.0	18.9	19.5	20.1	20.6	21.2	21.5	21.3	21.6	21.3
80°	10.2	10.4	11.1	11.4	12.2	12.9	13.5	13.8	14.0	14.1	14.0
82.5°	5.9	6.0	6.3	6.6	7.2	7.8	8.4	8.9	8.9	9.0	8.9
85°	2.9	2.9	3.0	3.2	3.5	3.9	4.4	4.8	5.0	5.0	5.0
87.5°	0.5	0.5	0.6	0.6	0.8	0.9	1.2	1.5	1.7	1.7	1.7
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)