

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: P629113

Luminaire Tested: GWS-SA1B-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629113
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2676.4 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

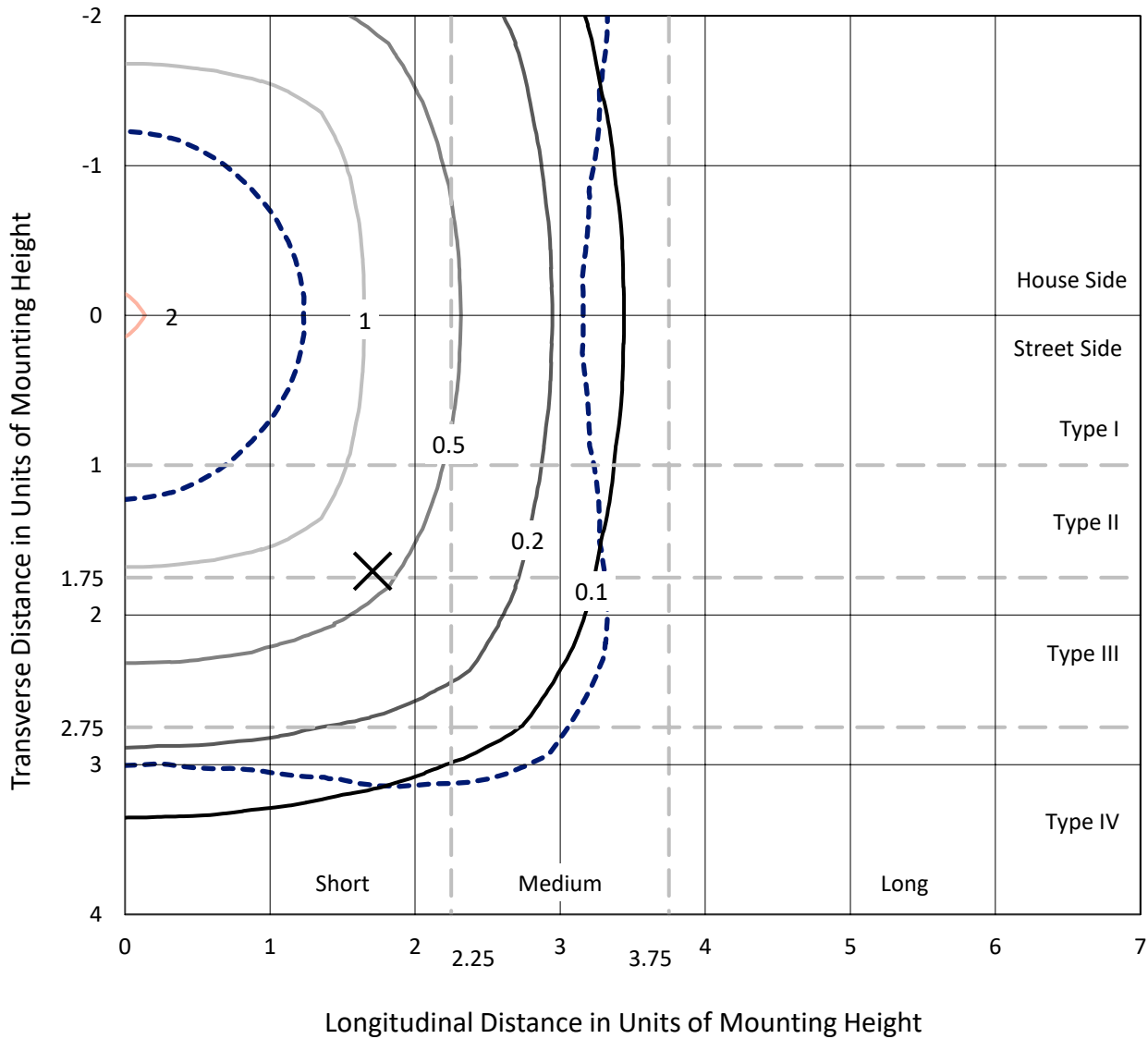
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629113
 CATALOG NUMBER: GWS-SA1B-722-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

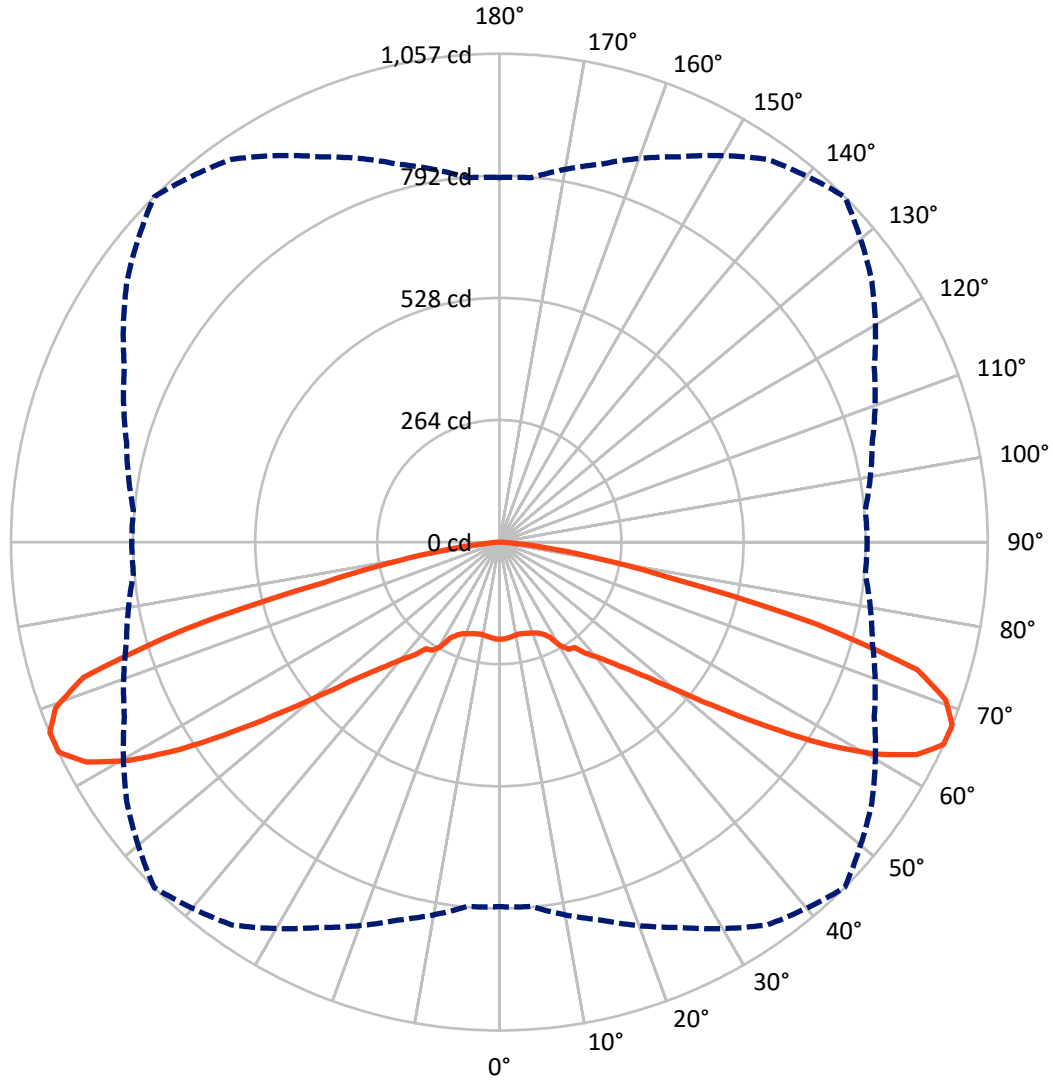
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

REPORT NUMBER: P629113
CATALOG NUMBER: GWS-SA1B-722-U-5WQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629113

CATALOG NUMBER: GWS-SA1B-722-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1338.2	0.0	1338.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1338.2	0.0	1338.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2676.4	0.0	2676.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.7
10°-20°	58.5	2.2
20°-30°	104.9	3.9
30°-40°	177.2	6.6
40°-50°	311.4	11.6
50°-60°	600.6	22.4
60°-70°	871.5	32.6
70°-80°	498.6	18.6
80°-90°	34.0	1.3
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°	2676.4	100.0
0°-180°	2676.4	100.0

Coefficient of Utilization



REPORT NUMBER: P629113

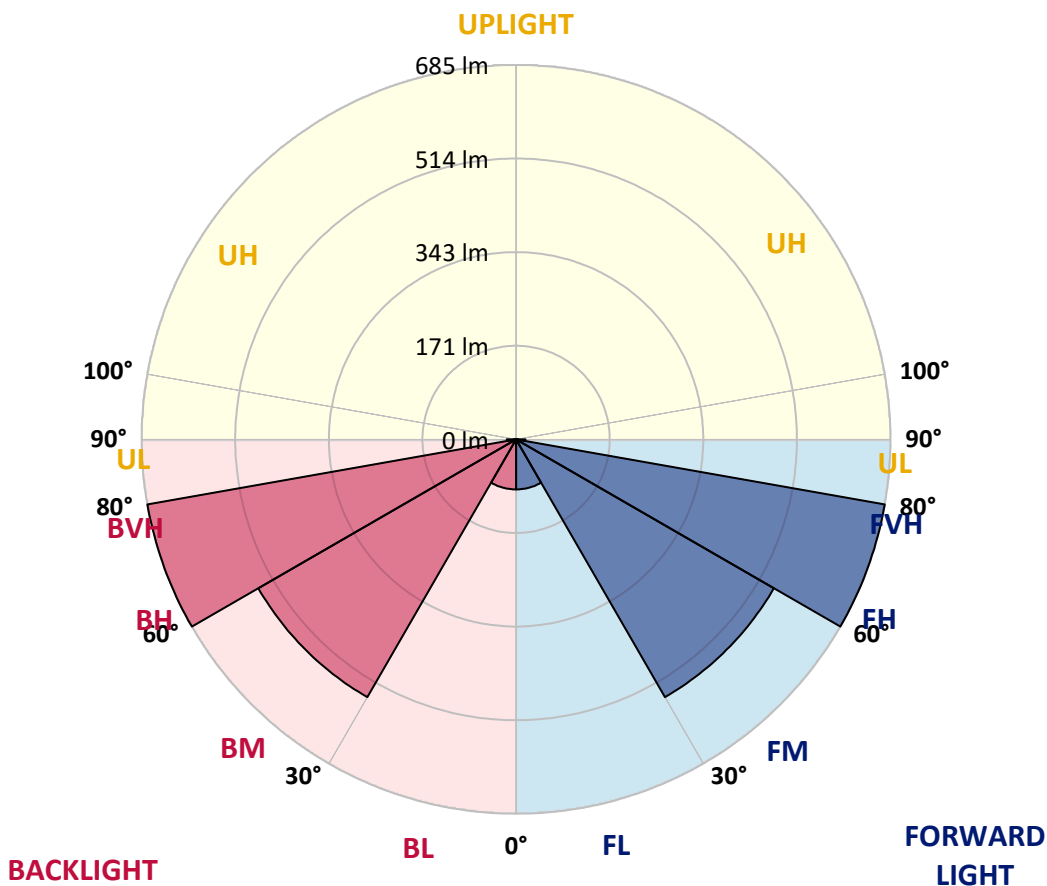
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.5	3.4			
FM (30°-60°)	544.6	20.3			
FH (60°-80°)	685.0	25.6			G1/1800
FVH (80°-90°)	17.0	0.6			G1/100
BL (0°-30°)	91.5	3.4	B0/110		
BM (30°-60°)	544.6	20.3	B1/1000		
BH (60°-80°)	685.0	25.6	B2/1000		G1/1800
BVH (80°-90°)	17.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9
2.5°	208.2	208.4	208.7	208.7	209.1	209.7	209.9	209.5	209.7	208.7	209.7
5°	207.6	207.8	208.0	207.6	207.6	207.8	207.8	207.4	207.6	206.7	207.6
7.5°	206.3	206.5	206.5	205.9	205.3	205.7	205.7	205.3	205.5	204.6	205.7
10°	205.2	205.2	205.0	203.8	203.3	203.8	204.0	204.2	205.0	204.2	205.5
12.5°	205.9	205.9	205.3	203.8	202.9	203.3	203.6	204.0	205.3	205.2	206.7
15°	208.0	208.2	206.7	205.0	204.4	205.0	204.6	204.4	206.1	206.7	208.4
17.5°	209.7	209.7	207.8	206.1	206.3	207.2	206.5	205.5	207.2	208.4	210.3
20°	211.2	211.0	208.9	207.8	208.6	209.9	209.3	208.0	209.1	210.5	212.2
22.5°	215.0	214.8	212.5	212.0	212.7	214.0	213.5	212.3	213.7	215.6	217.6
25°	225.8	225.4	222.0	220.1	219.7	220.7	220.5	220.1	222.2	224.5	226.9
27.5°	240.2	240.0	237.5	235.6	233.2	232.4	233.0	234.7	237.7	239.4	241.5
30°	247.4	247.4	247.0	250.0	255.3	260.4	256.4	250.0	247.4	246.6	248.7
32.5°	256.8	257.8	256.4	259.8	268.7	276.3	268.7	258.3	256.4	256.4	258.7
35°	278.6	279.0	276.9	276.3	279.2	280.1	276.5	272.7	274.8	275.2	278.0
37.5°	296.0	296.0	295.0	296.6	302.4	306.0	300.2	293.3	293.9	294.3	297.9
40°	322.9	323.6	321.4	321.2	323.4	326.7	320.4	316.1	319.1	320.0	325.5
42.5°	356.4	356.4	353.0	352.0	353.5	356.9	351.1	348.2	352.2	353.0	356.2
45°	396.3	397.2	392.7	391.0	391.8	392.9	388.7	387.4	391.2	392.9	398.6
47.5°	444.9	445.9	441.9	441.7	441.0	441.7	437.7	437.0	440.0	438.7	444.8
50°	504.9	506.6	503.2	508.0	507.4	509.7	504.2	500.2	500.2	496.6	500.0
52.5°	572.1	575.5	577.2	585.2	591.2	596.9	587.8	581.6	572.5	565.1	574.4
55°	645.4	644.4	655.2	672.6	690.4	703.8	686.1	666.4	651.6	636.3	639.9
57.5°	709.5	712.7	726.9	758.7	793.9	822.3	790.3	752.5	719.0	697.0	700.1
60°	762.9	765.5	784.5	830.3	891.8	930.9	880.2	817.8	769.1	738.9	742.1
62.5°	812.1	814.6	833.7	884.2	961.8	1012.9	947.4	862.1	807.9	777.5	779.4
65°	840.5	842.0	868.1	921.3	1003.1	1055.9	982.0	894.0	840.9	809.8	811.0
67.5°	788.8	791.3	846.4	919.8	1011.0	1056.6	983.6	895.0	835.2	794.7	795.6
70°	622.3	620.2	685.9	812.1	965.4	1024.8	939.8	827.8	735.4	678.9	677.9
72.5°	474.5	475.0	511.6	598.0	787.1	945.7	829.3	666.6	567.0	524.0	522.3
75°	344.1	349.4	379.1	442.5	550.5	706.9	624.4	494.0	427.3	401.6	397.8
77.5°	155.0	161.8	203.3	277.8	368.1	390.6	392.1	335.4	253.0	210.3	203.6
80°	45.2	48.4	62.3	106.6	171.5	221.6	176.0	148.0	92.2	72.3	68.9
82.5°	19.1	21.8	26.7	29.5	49.8	102.8	64.0	40.7	37.9	30.7	28.0
85°	8.1	8.7	11.2	11.9	16.1	22.0	20.3	18.4	17.6	13.6	12.5
87.5°	3.4	3.4	3.4	3.0	2.8	3.0	4.2	5.3	7.0	5.5	5.1
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)