

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: P628618

Luminaire Tested: GWS-SA1A-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628618
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-SA1A-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: 2123.6 lumens
Efficiency: N/A
Efficacy: 107.8 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

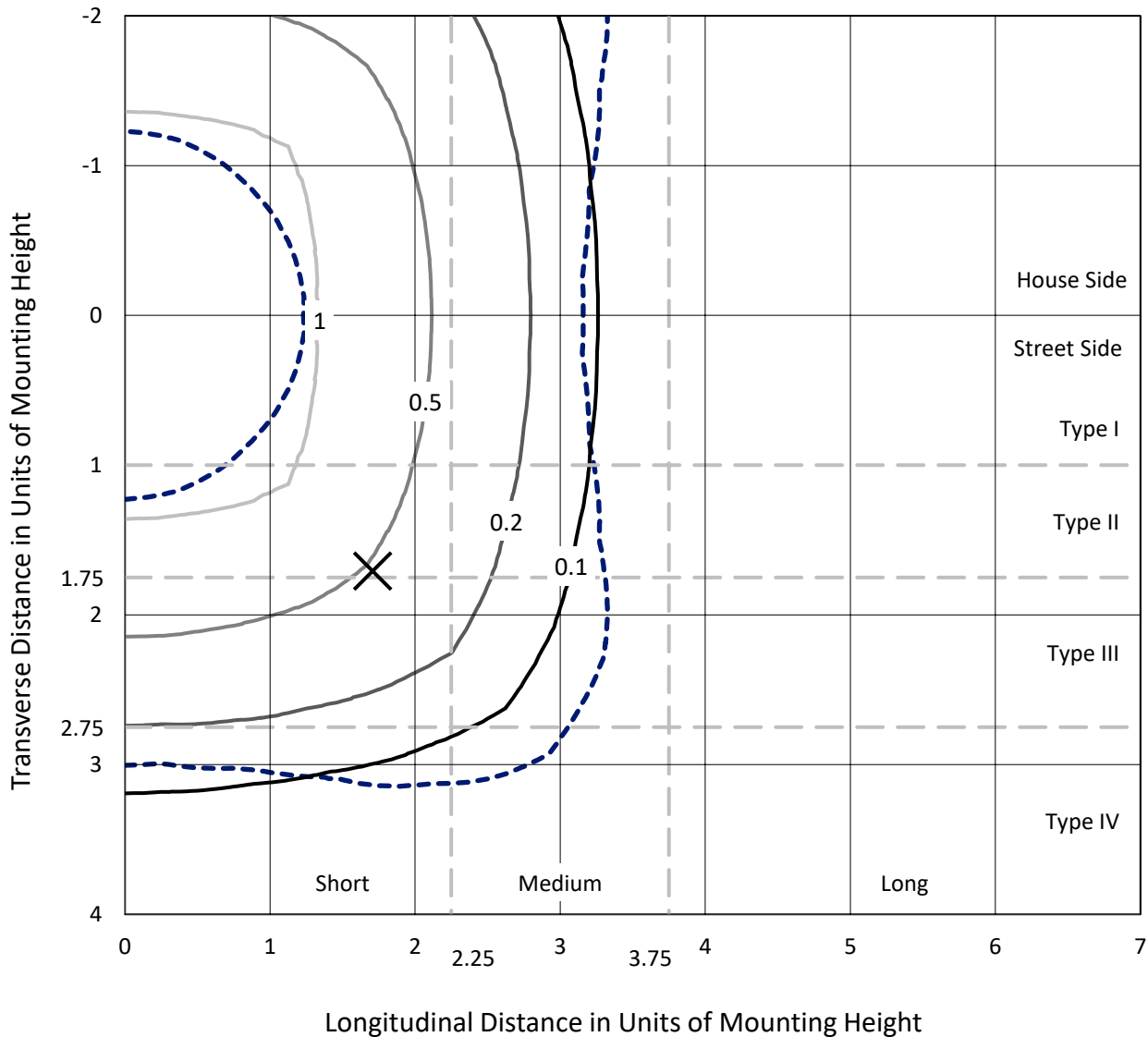
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

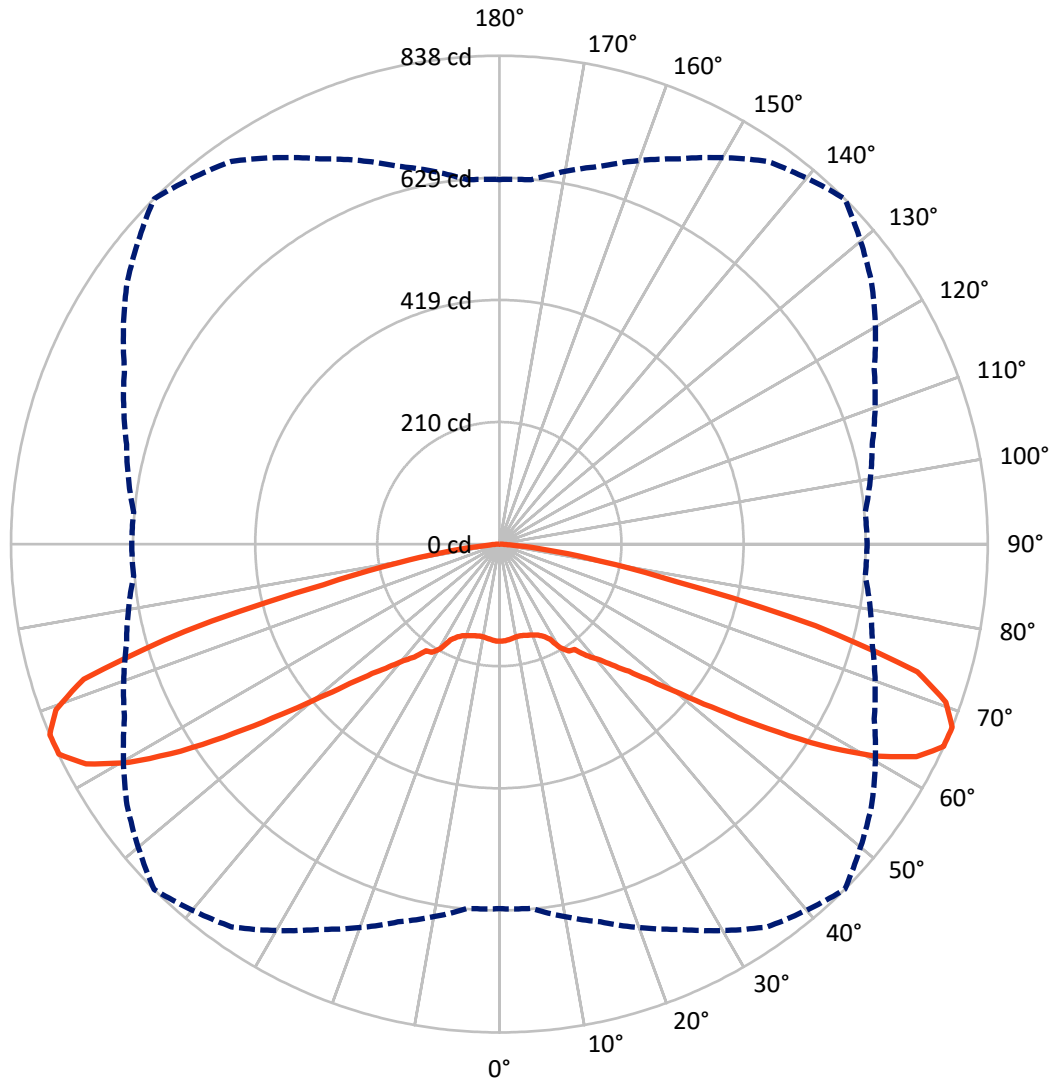
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1061.8	0.0	1061.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1061.8	0.0	1061.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2123.6	0.0	2123.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.7
10°-20°	46.4	2.2
20°-30°	83.2	3.9
30°-40°	140.6	6.6
40°-50°	247.1	11.6
50°-60°	476.6	22.4
60°-70°	691.5	32.6
70°-80°	395.6	18.6
80°-90°	27.0	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°	2123.6	100.0
0°-180°	2123.6	100.0

Coefficient of Utilization



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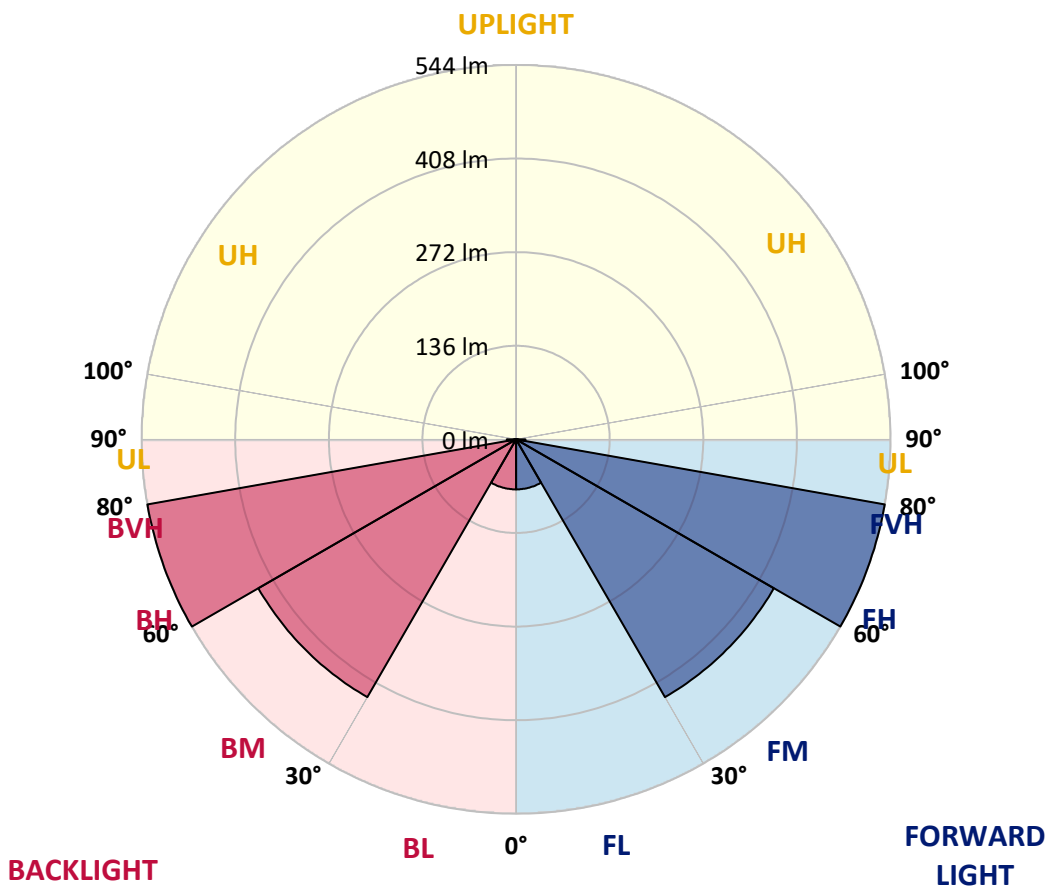
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.6	3.4			
FM (30°-60°)	432.1	20.3			
FH (60°-80°)	543.5	25.6			G0/660
FVH (80°-90°)	13.5	0.6			G1/100
BL (0°-30°)	72.6	3.4	B0/110		
BM (30°-60°)	432.1	20.3	B1/1000		
BH (60°-80°)	543.5	25.6	B2/1000		G0/660
BVH (80°-90°)	13.5	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°	166.5	166.5	166.5	166.5	166.5	166.5	166.5	166.5	166.5	166.5	166.5
2.5°	165.2	165.3	165.6	165.6	165.9	166.4	166.5	166.2	166.4	165.6	166.4
5°	164.7	164.9	165.0	164.7	164.7	164.9	164.9	164.6	164.7	164.0	164.7
7.5°	163.7	163.8	163.8	163.4	162.9	163.2	163.2	162.9	163.1	162.3	163.2
10°	162.8	162.8	162.6	161.7	161.3	161.7	161.9	162.0	162.6	162.0	163.1
12.5°	163.4	163.4	162.9	161.7	161.0	161.3	161.6	161.9	162.9	162.8	164.0
15°	165.0	165.2	164.0	162.6	162.2	162.6	162.3	162.2	163.5	164.0	165.3
17.5°	166.4	166.4	164.9	163.5	163.7	164.4	163.8	163.1	164.4	165.3	166.8
20°	167.6	167.4	165.8	164.9	165.5	166.5	166.1	165.0	165.9	167.0	168.3
22.5°	170.6	170.4	168.6	168.2	168.8	169.8	169.4	168.5	169.5	171.0	172.7
25°	179.1	178.8	176.1	174.6	174.3	175.1	174.9	174.6	176.3	178.1	180.0
27.5°	190.6	190.4	188.5	187.0	185.0	184.4	184.9	186.2	188.6	190.0	191.6
30°	196.3	196.3	196.0	198.4	202.6	206.6	203.5	198.4	196.3	195.7	197.3
32.5°	203.8	204.5	203.5	206.2	213.2	219.2	213.2	205.0	203.5	203.5	205.3
35°	221.0	221.3	219.7	219.2	221.5	222.2	219.4	216.4	218.0	218.3	220.6
37.5°	234.9	234.9	234.1	235.3	240.0	242.8	238.2	232.8	233.2	233.5	236.4
40°	256.2	256.8	255.0	254.8	256.6	259.2	254.2	250.8	253.2	253.9	258.3
42.5°	282.8	282.8	280.1	279.3	280.5	283.2	278.6	276.3	279.5	280.1	282.6
45°	314.4	315.2	311.6	310.2	310.8	311.7	308.4	307.4	310.4	311.7	316.2
47.5°	353.0	353.8	350.6	350.5	349.9	350.5	347.3	346.7	349.1	348.1	352.9
50°	400.6	402.0	399.3	403.0	402.6	404.4	400.0	396.9	396.9	394.0	396.7
52.5°	454.0	456.7	458.0	464.3	469.1	473.6	466.4	461.5	454.3	448.4	455.8
55°	512.1	511.3	519.9	533.7	547.8	558.5	544.4	528.7	517.0	504.9	507.7
57.5°	563.0	565.5	576.8	602.0	629.9	652.5	627.1	597.1	570.5	553.1	555.5
60°	605.3	607.4	622.4	658.8	707.6	738.7	698.4	648.9	610.3	586.2	588.8
62.5°	644.4	646.3	661.5	701.6	763.1	803.7	751.7	684.0	641.1	616.9	618.4
65°	666.9	668.1	688.8	731.0	795.9	837.8	779.2	709.4	667.2	642.6	643.5
67.5°	625.9	627.8	671.5	729.8	802.2	838.4	780.4	710.1	662.7	630.5	631.3
70°	493.7	492.1	544.2	644.4	766.0	813.1	745.7	656.8	583.5	538.6	537.9
72.5°	376.5	376.9	405.9	474.5	624.5	750.4	658.0	528.9	449.9	415.8	414.5
75°	273.0	277.2	300.8	351.1	436.8	560.9	495.4	391.9	339.1	318.7	315.6
77.5°	123.0	128.4	161.3	220.4	292.1	309.9	311.1	266.1	200.8	166.8	161.6
80°	35.9	38.4	49.4	84.5	136.0	175.8	139.7	117.4	73.1	57.4	54.7
82.5°	15.2	17.3	21.2	23.4	39.5	81.5	50.8	32.3	30.0	24.3	22.2
85°	6.5	6.9	8.9	9.5	12.8	17.4	16.1	14.6	14.0	10.8	9.9
87.5°	2.7	2.7	2.7	2.4	2.3	2.4	3.3	4.2	5.6	4.4	4.1
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)