

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: P628612

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2169.3 lumens
Efficiency: N/A
Efficacy: 110.1 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

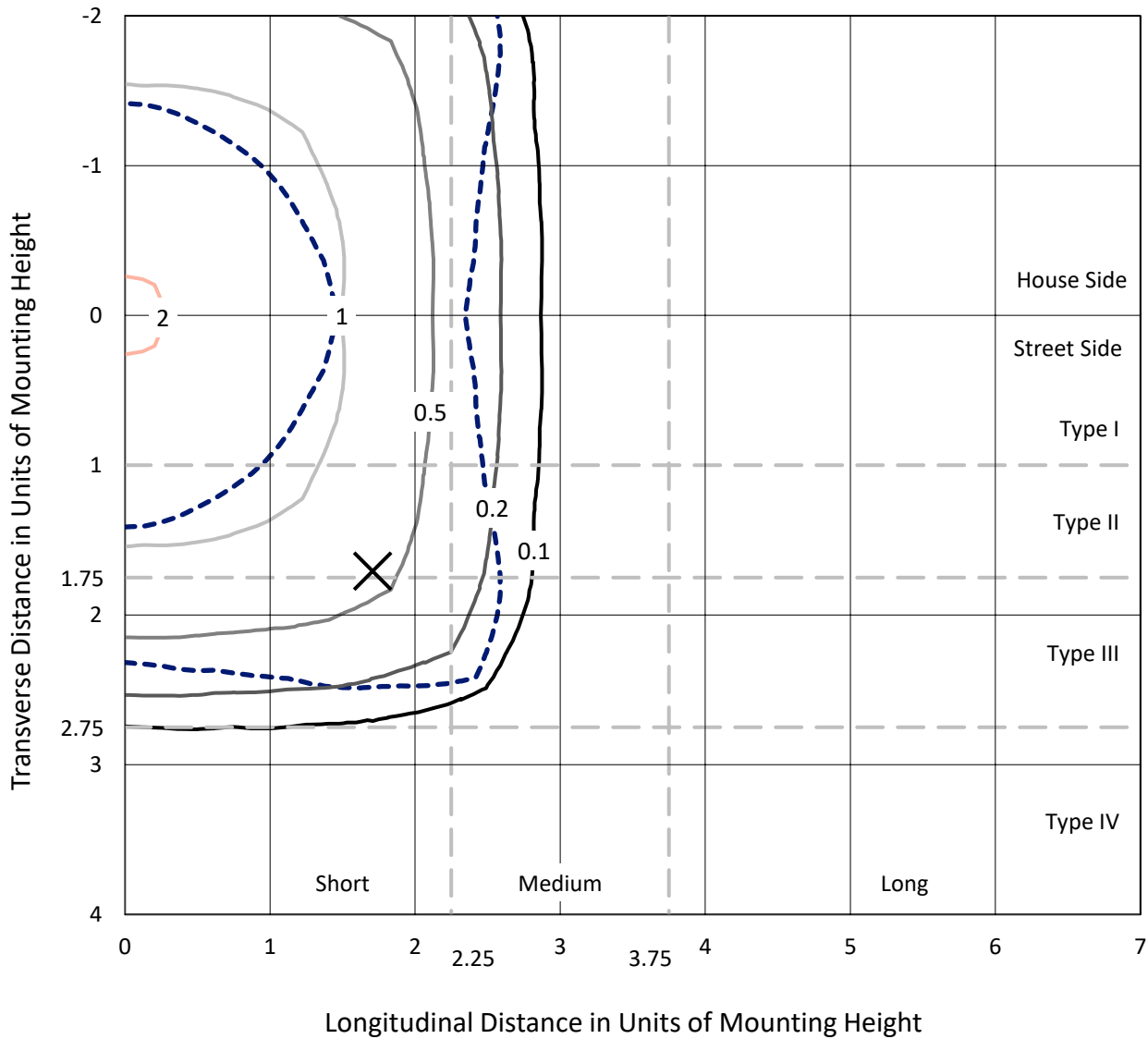
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628612
 CATALOG NUMBER: GWS-SA1A-722-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

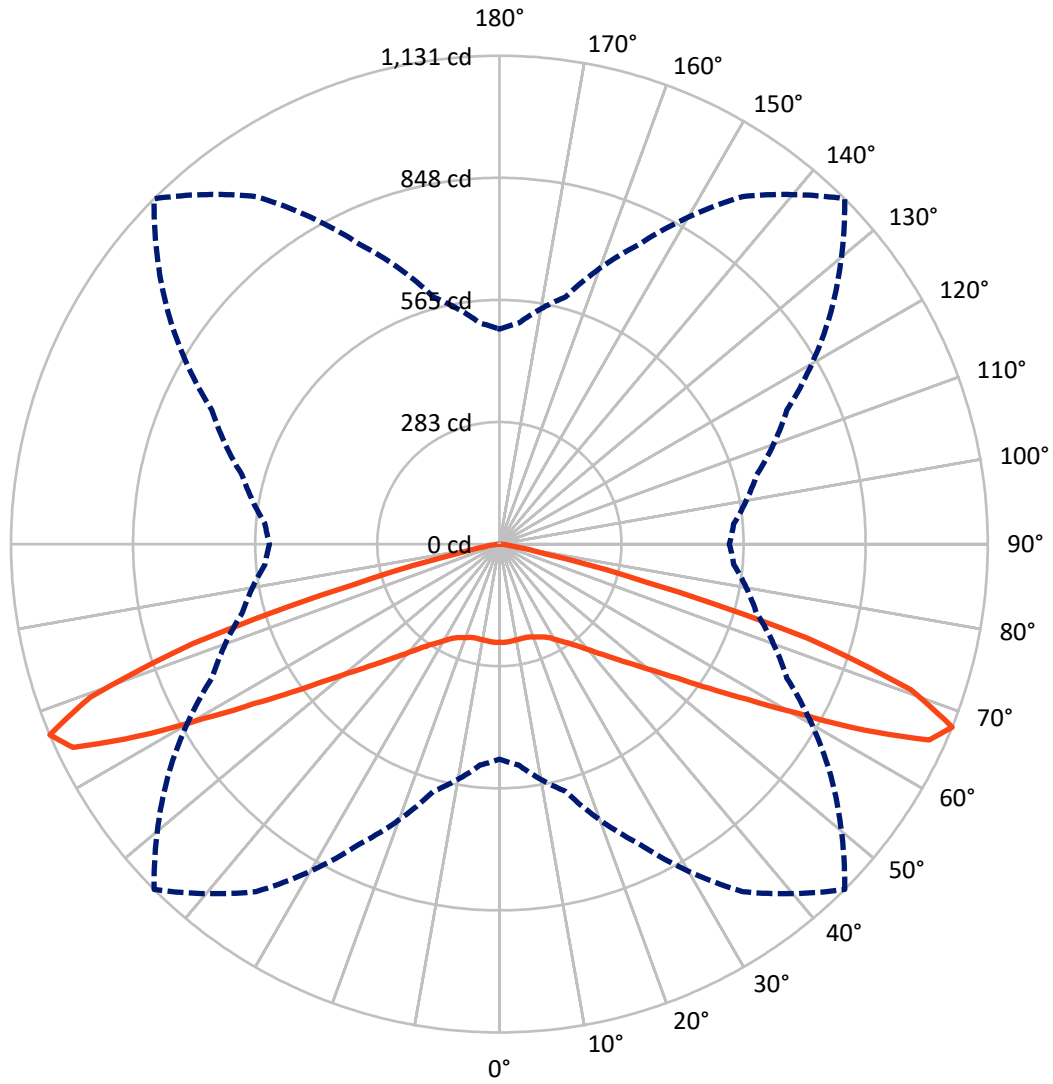
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

REPORT NUMBER: P628612
CATALOG NUMBER: GWS-SA1A-722-U-5MQ-W

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA1A-722-U-5MQ-W

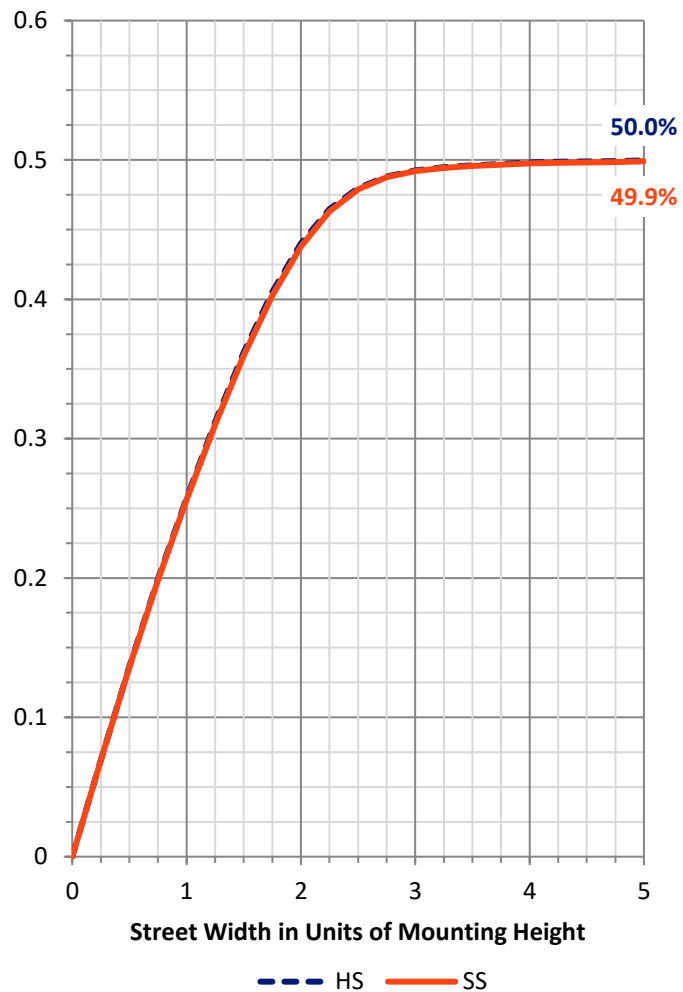
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1084.7	0.0	1084.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1084.7	0.0	1084.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2169.3	0.0	2169.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	1.0
10°-20°	63.2	2.9
20°-30°	108.9	5.0
30°-40°	177.1	8.2
40°-50°	298.2	13.7
50°-60°	528.4	24.4
60°-70°	755.3	34.8
70°-80°	207.3	9.6
80°-90°	9.3	0.4
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°	2169.3	100.0
0°-180°	2169.3	100.0

Coefficient of Utilization



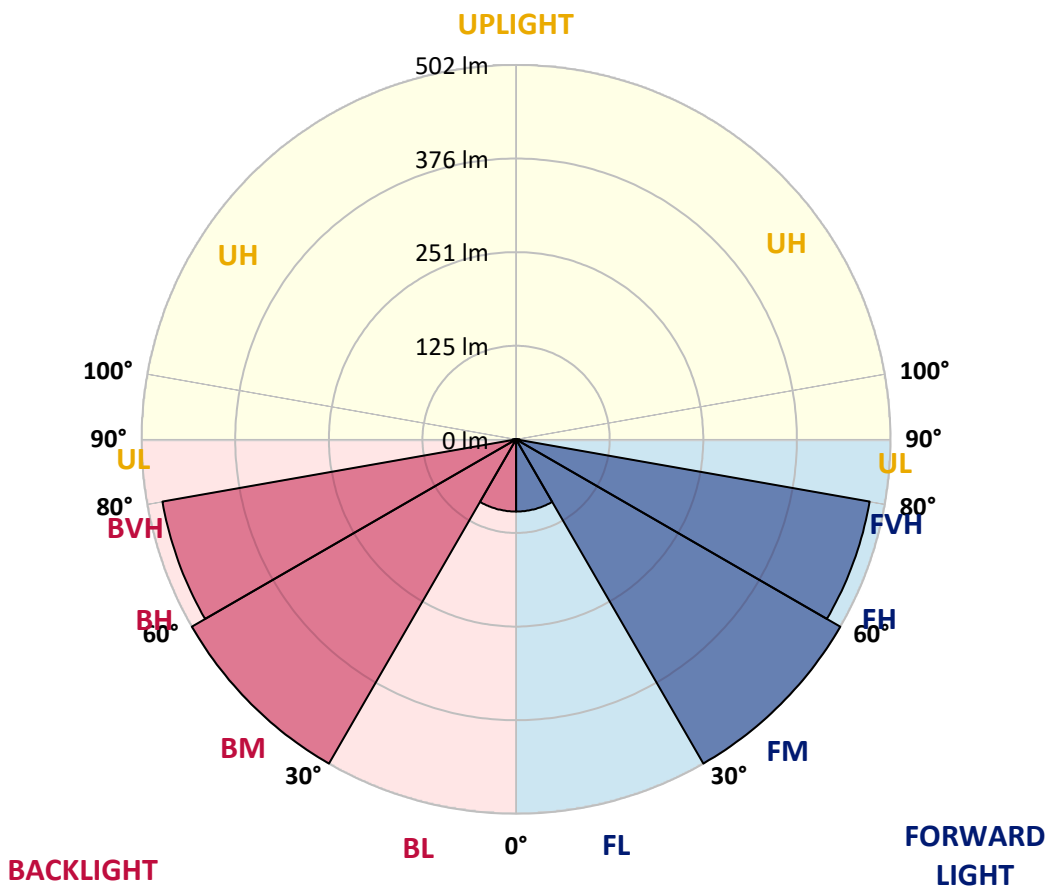
REPORT NUMBER: P628612

CATALOG NUMBER: GWS-SA1A-722-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.8	4.5			
FM (30°-60°)	501.9	23.1			
FH (60°-80°)	481.3	22.2			G0/660
FVH (80°-90°)	4.7	0.2			G0/10
BL (0°-30°)	96.8	4.5	B0/110		
BM (30°-60°)	501.9	23.1	B1/1000		
BH (60°-80°)	481.3	22.2	B1/500		G0/660
BVH (80°-90°)	4.7	0.2			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°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2
2.5°	225.7	225.5	226.3	226.7	226.6	227.6	227.5	227.2	227.2	226.7	227.9
5°	225.7	225.5	226.1	226.3	226.0	226.9	226.6	226.3	226.3	225.7	226.7
7.5°	224.5	224.6	225.1	225.4	225.1	225.8	225.4	224.8	224.6	224.0	225.1
10°	222.2	222.4	222.8	223.6	223.7	225.1	224.3	223.3	222.8	222.2	223.3
12.5°	220.9	221.0	221.5	222.4	222.7	224.5	223.7	222.1	221.3	220.7	221.8
15°	220.6	220.7	221.3	222.2	222.7	224.5	223.7	221.8	220.7	220.0	220.9
17.5°	220.6	220.9	221.8	223.1	224.0	225.8	224.9	222.7	221.2	219.8	220.7
20°	220.7	221.2	222.5	224.5	226.7	229.3	228.1	225.1	223.0	221.3	221.9
22.5°	222.1	222.8	224.5	227.0	230.3	233.4	232.3	228.2	225.2	223.0	223.6
25°	226.7	227.0	229.1	232.5	235.6	238.2	237.1	233.4	229.6	226.9	227.6
27.5°	235.0	235.8	237.6	241.0	243.7	245.1	244.9	242.4	238.6	236.2	236.8
30°	244.9	245.7	248.1	252.0	254.7	256.2	255.7	253.8	250.3	247.0	247.6
32.5°	256.5	256.8	259.6	264.0	266.8	269.1	267.6	265.5	261.1	257.2	257.5
35°	271.2	271.6	274.6	278.7	281.0	282.8	282.5	280.4	275.7	271.5	272.5
37.5°	289.7	290.0	292.7	297.8	299.6	300.9	301.2	300.2	295.4	290.0	291.0
40°	312.6	312.8	315.8	320.3	322.2	323.1	323.3	323.5	318.5	314.4	314.1
42.5°	339.4	340.1	344.3	348.7	349.6	349.1	350.6	352.1	347.3	341.8	342.2
45°	371.4	371.8	377.5	382.3	380.7	379.2	382.0	385.0	380.7	373.5	371.4
47.5°	409.2	410.1	416.3	421.1	418.4	415.6	420.3	423.5	416.4	408.7	406.8
50°	452.0	452.6	461.3	467.3	464.2	459.2	465.1	468.4	458.9	449.4	445.2
52.5°	502.6	501.4	513.0	523.5	521.5	515.1	519.9	520.5	506.3	493.0	488.8
55°	564.3	563.1	574.7	586.2	591.0	589.4	587.1	583.5	562.7	548.4	544.5
57.5°	636.2	632.5	648.7	664.3	674.8	677.8	668.2	659.8	643.3	625.7	621.2
60°	703.1	702.9	728.6	755.6	784.4	796.5	772.1	749.3	712.2	680.2	673.8
62.5°	721.8	725.0	767.0	834.0	905.2	947.7	883.6	808.0	736.4	688.2	679.6
65°	675.6	683.4	743.2	848.9	989.4	1093.3	948.6	809.4	709.5	649.5	640.4
67.5°	497.9	513.6	592.7	766.0	982.2	1130.7	937.0	734.4	616.3	544.8	532.3
70°	245.7	260.5	323.3	503.9	808.2	1010.7	810.7	553.5	416.3	347.5	336.1
72.5°	90.4	96.4	121.0	215.6	446.0	746.6	554.4	309.2	201.7	160.5	152.9
75°	44.3	45.3	49.1	72.4	164.6	351.4	260.5	118.6	74.2	64.6	62.5
77.5°	28.2	28.7	30.5	34.5	52.9	110.7	79.0	46.9	36.3	34.8	34.8
80°	15.8	16.2	18.6	21.5	24.8	38.0	28.4	28.1	23.9	20.9	20.4
82.5°	7.5	8.3	11.9	11.7	13.1	19.1	16.7	15.2	15.3	11.6	11.0
85°	3.5	3.5	4.7	5.6	5.9	6.5	7.7	8.7	8.6	5.9	6.3
87.5°	1.7	1.7	1.7	1.5	1.4	1.2	1.7	2.7	3.9	2.7	2.6
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)