

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: P628616

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1102.3 lumens
Efficiency: N/A
Efficacy: 56.0 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

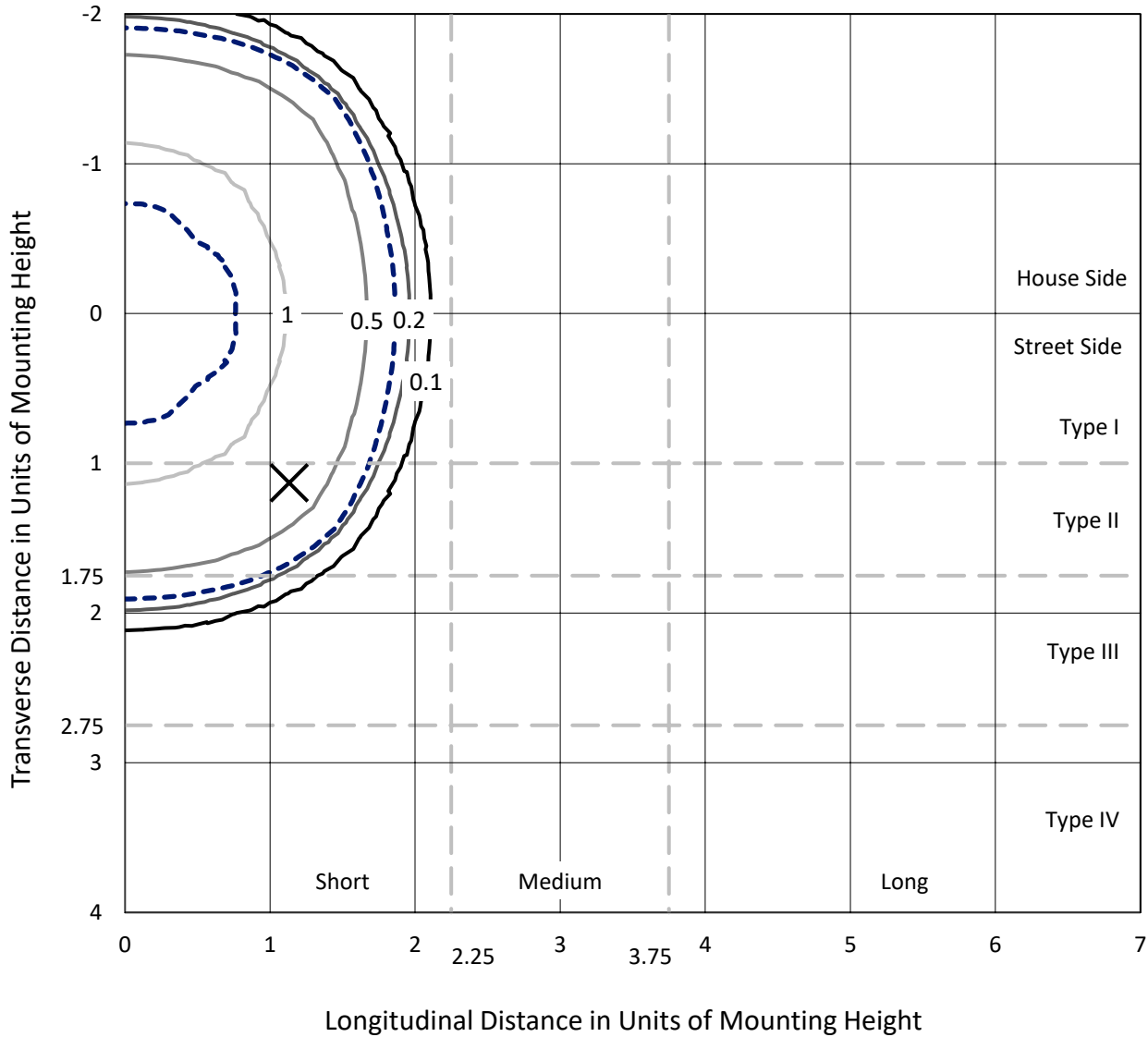
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

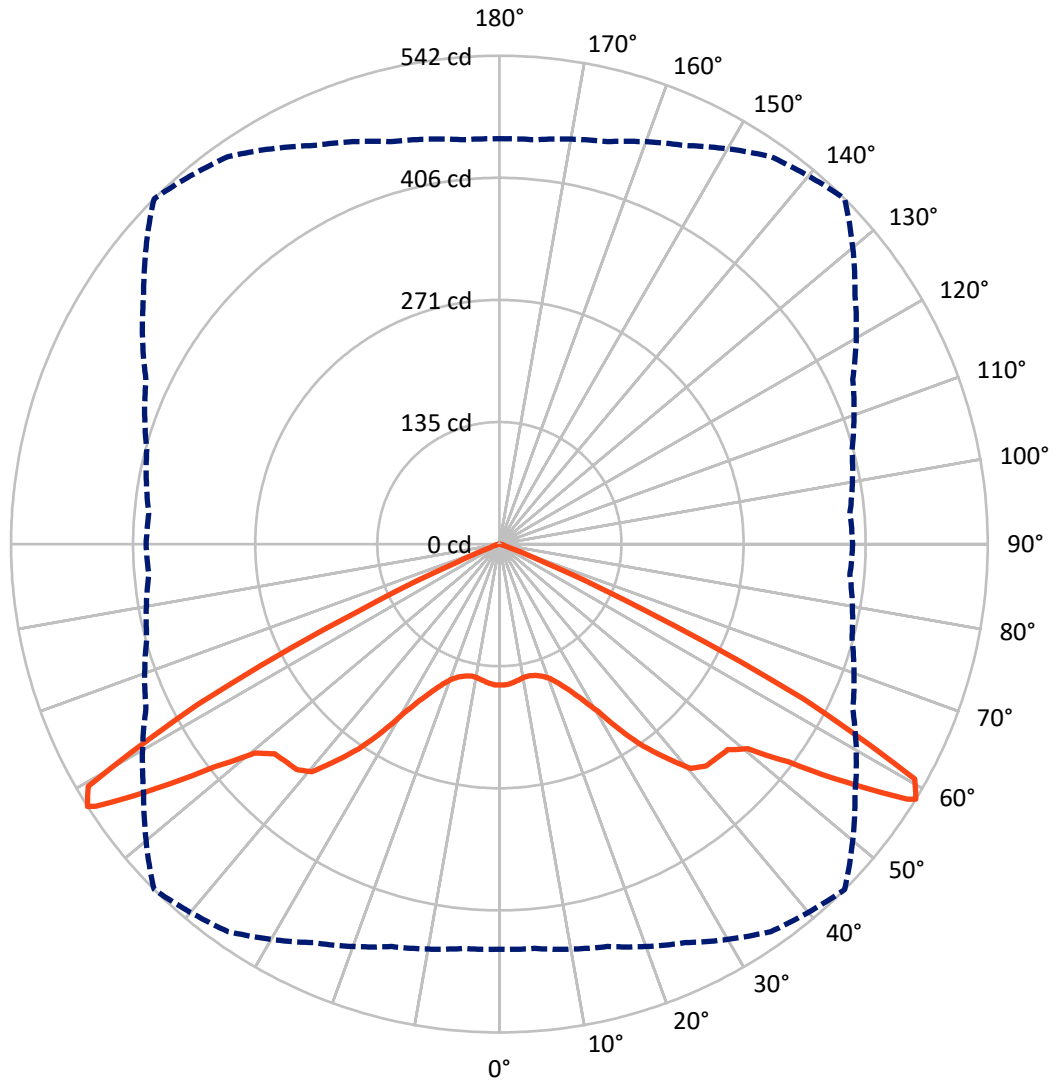
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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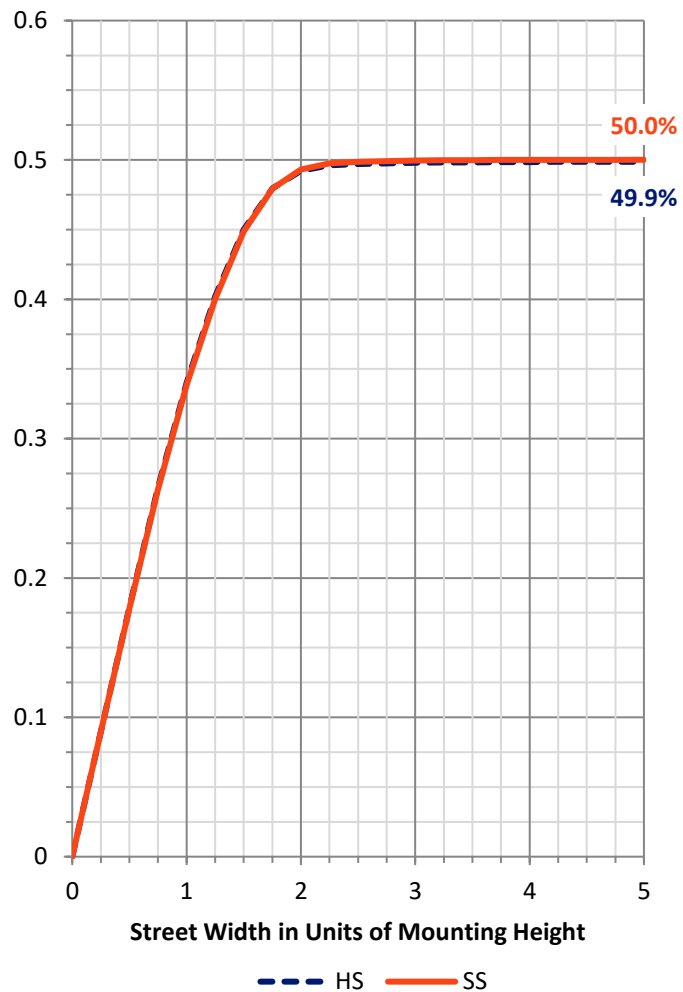
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	551.2	0.0	551.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	551.2	0.0	551.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	1102.3	0.0	1102.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	1.3
10°-20°	43.2	3.9
20°-30°	81.6	7.4
30°-40°	161.0	14.6
40°-50°	254.7	23.1
50°-60°	374.4	34.0
60°-70°	167.1	15.2
70°-80°	5.6	0.5
80°-90°	0.1	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°	1102.3	100.0
0°-180°	1102.3	100.0

Coefficient of Utilization



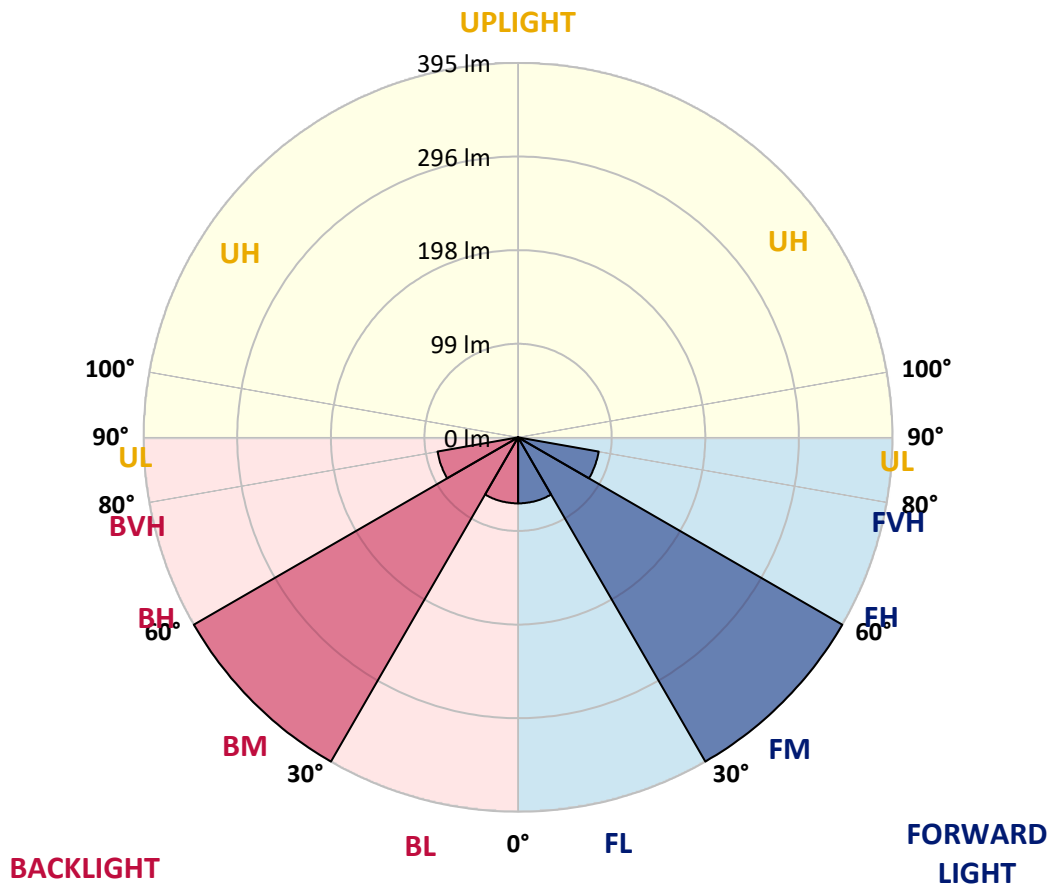
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	69.7	6.3			
FM (30°-60°)	395.1	35.8			
FH (60°-80°)	86.4	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	69.7	6.3	B0/110		
BM (30°-60°)	395.1	35.8	B1/1000		
BH (60°-80°)	86.4	7.8	B0/110		G0/660
BVH (80°-90°)	0.0	0.0			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°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3
2.5°	154.8	155.1	155.4	155.6	155.7	156.2	156.3	155.9	155.9	155.0	156.0
5°	154.1	154.4	154.7	154.5	154.5	154.5	154.4	153.8	153.6	152.7	153.8
7.5°	152.7	153.0	153.0	152.6	152.3	152.3	152.1	151.4	151.2	150.3	151.4
10°	151.7	151.8	151.7	150.8	150.2	150.2	150.0	149.7	149.9	149.3	150.2
12.5°	152.3	152.4	151.8	150.6	149.9	149.7	149.3	148.8	149.3	149.1	150.0
15°	154.2	154.4	153.3	151.8	151.2	151.2	150.0	148.8	149.4	149.6	150.6
17.5°	156.6	156.6	155.3	153.9	154.1	154.1	152.1	150.0	150.2	150.8	151.8
20°	159.5	159.5	158.1	157.8	158.9	159.0	156.6	153.3	152.6	153.0	154.2
22.5°	164.6	164.6	163.5	164.3	166.7	167.4	163.8	159.2	157.4	157.7	158.9
25°	172.5	172.5	172.2	174.0	177.5	179.1	174.3	168.2	165.2	164.7	166.1
27.5°	185.9	186.1	185.6	188.3	192.7	194.6	188.0	179.9	176.3	175.5	176.9
30°	203.2	203.2	203.3	207.1	212.8	215.3	206.6	197.2	193.0	190.6	192.4
32.5°	222.4	222.7	224.2	230.5	240.6	245.8	233.1	219.8	213.1	210.5	212.5
35°	254.1	251.2	249.4	254.1	268.6	275.6	259.2	243.7	238.6	238.3	243.3
37.5°	285.5	283.8	280.1	284.9	297.9	301.1	283.1	270.1	266.5	268.5	273.4
40°	310.4	307.4	302.4	306.9	324.1	327.2	305.0	292.2	290.9	295.2	302.0
42.5°	330.1	325.9	319.2	320.3	334.1	336.4	316.7	307.1	308.0	313.4	321.1
45°	338.9	335.6	329.8	329.3	338.0	338.2	322.7	317.7	320.1	324.4	330.4
47.5°	342.7	341.2	337.9	337.1	342.1	340.9	331.3	329.2	331.4	332.6	336.1
50°	352.0	352.0	352.4	353.0	358.1	356.9	350.2	347.8	344.9	340.7	341.8
52.5°	378.1	379.2	383.5	388.3	397.6	401.5	390.6	376.6	362.9	353.8	353.8
55°	425.3	426.3	431.4	439.5	456.6	466.0	440.4	409.6	390.9	378.4	380.1
57.5°	451.2	452.4	463.0	484.9	518.1	533.8	479.0	433.4	407.1	392.8	394.0
58°	449.6	450.3	462.2	487.9	524.8	541.8	481.7	432.6	405.0	390.4	391.9
60°	399.4	398.4	417.3	453.9	506.1	529.5	454.8	394.9	362.8	347.9	348.7
62.5°	261.1	261.7	278.1	316.4	356.9	379.0	317.7	273.1	247.3	238.3	236.1
65°	109.0	107.1	117.1	138.5	162.8	175.1	150.5	127.3	111.4	105.4	107.1
67.5°	28.1	27.3	27.9	35.0	42.8	50.6	42.5	32.4	28.2	28.5	28.5
70°	15.9	15.0	12.2	11.3	11.0	11.0	11.0	11.0	12.6	14.9	15.3
72.5°	12.0	11.3	8.9	7.7	6.8	6.3	6.6	7.7	9.2	11.1	11.4
75°	6.0	6.0	5.4	5.1	4.5	4.2	4.4	4.8	5.6	6.3	6.2
77.5°	1.2	1.4	1.5	1.8	1.5	1.5	1.5	1.8	1.8	2.0	1.8
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)