

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: P628893

Luminaire Tested: GWS-SA1A-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628893
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-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2949.1 lumens
Efficiency: N/A
Efficacy: 149.7 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

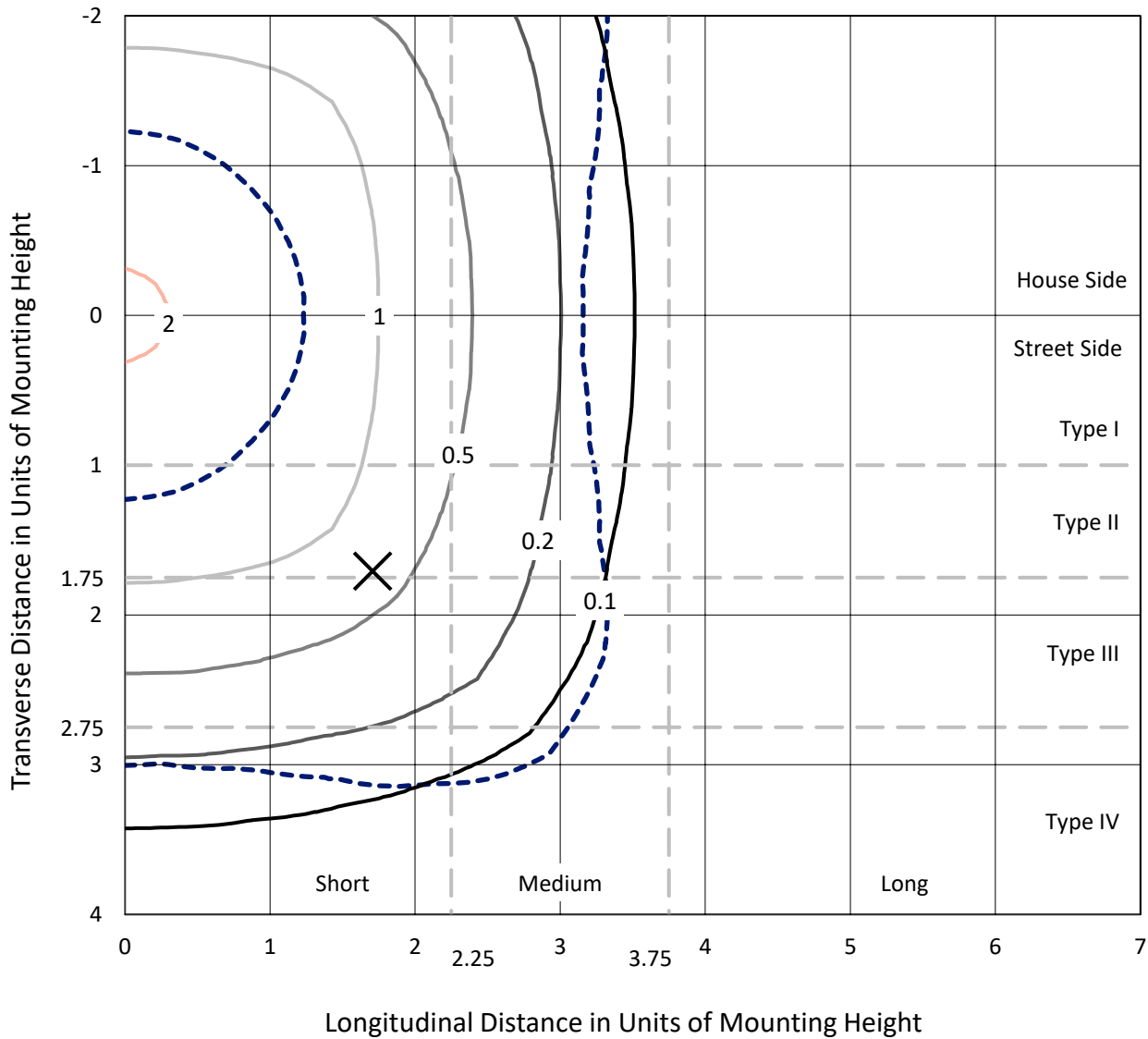
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

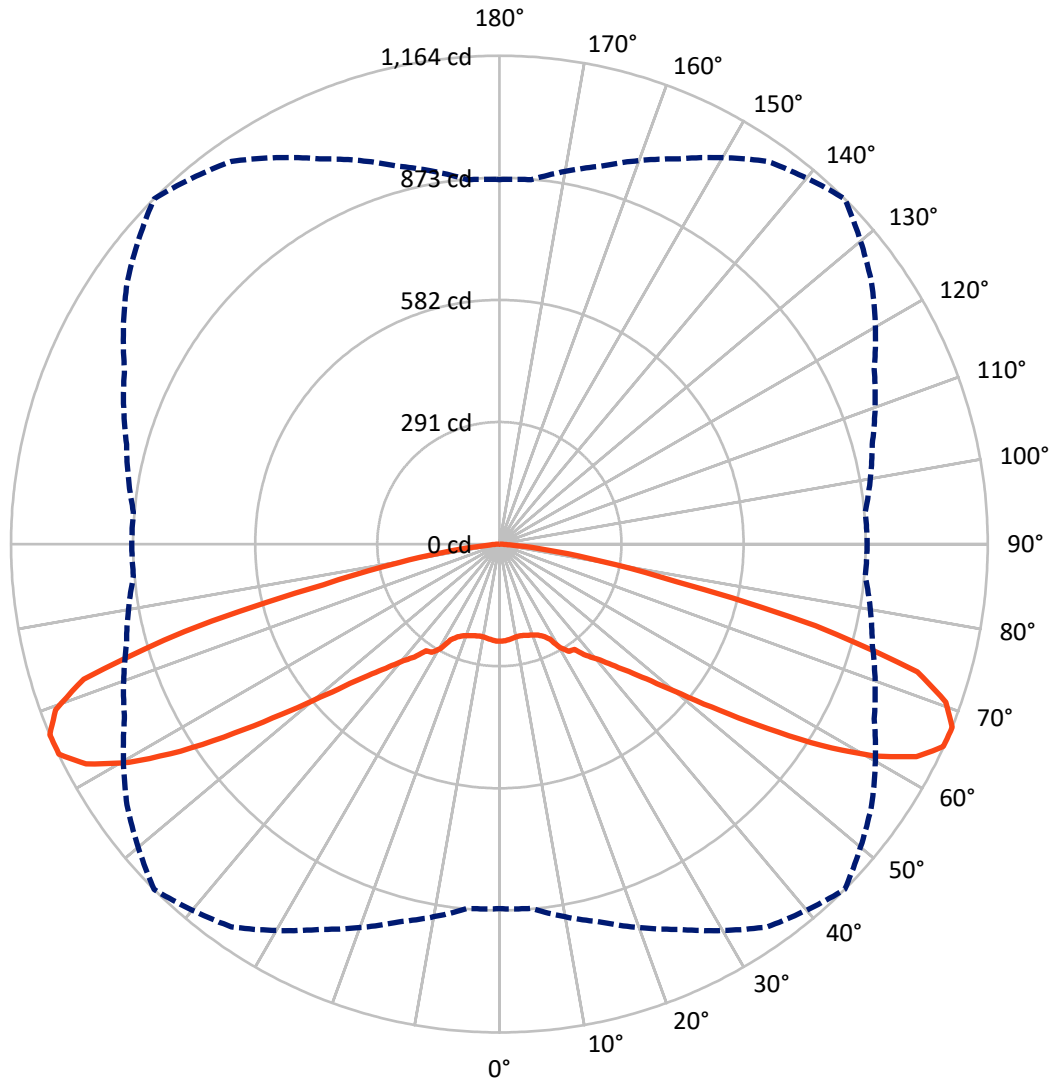
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 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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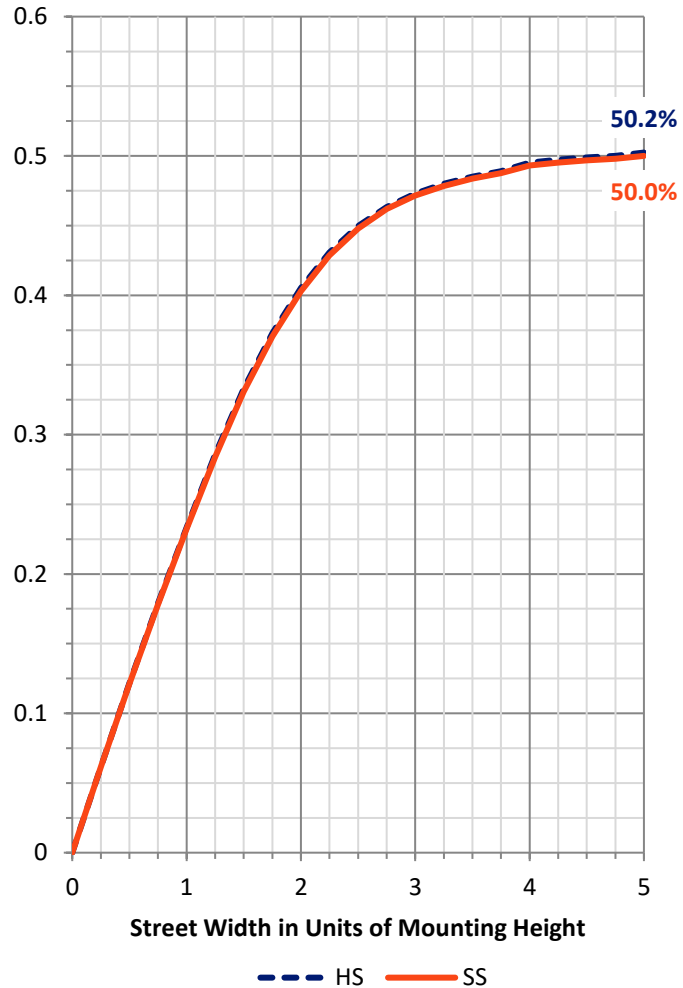
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1474.5	0.0	1474.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1474.5	0.0	1474.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2949.1	0.0	2949.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	0.7
10°-20°	64.4	2.2
20°-30°	115.6	3.9
30°-40°	195.3	6.6
40°-50°	343.1	11.6
50°-60°	661.8	22.4
60°-70°	960.2	32.6
70°-80°	549.4	18.6
80°-90°	37.5	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°	2949.1	100.0
0°-180°	2949.1	100.0

Coefficient of Utilization



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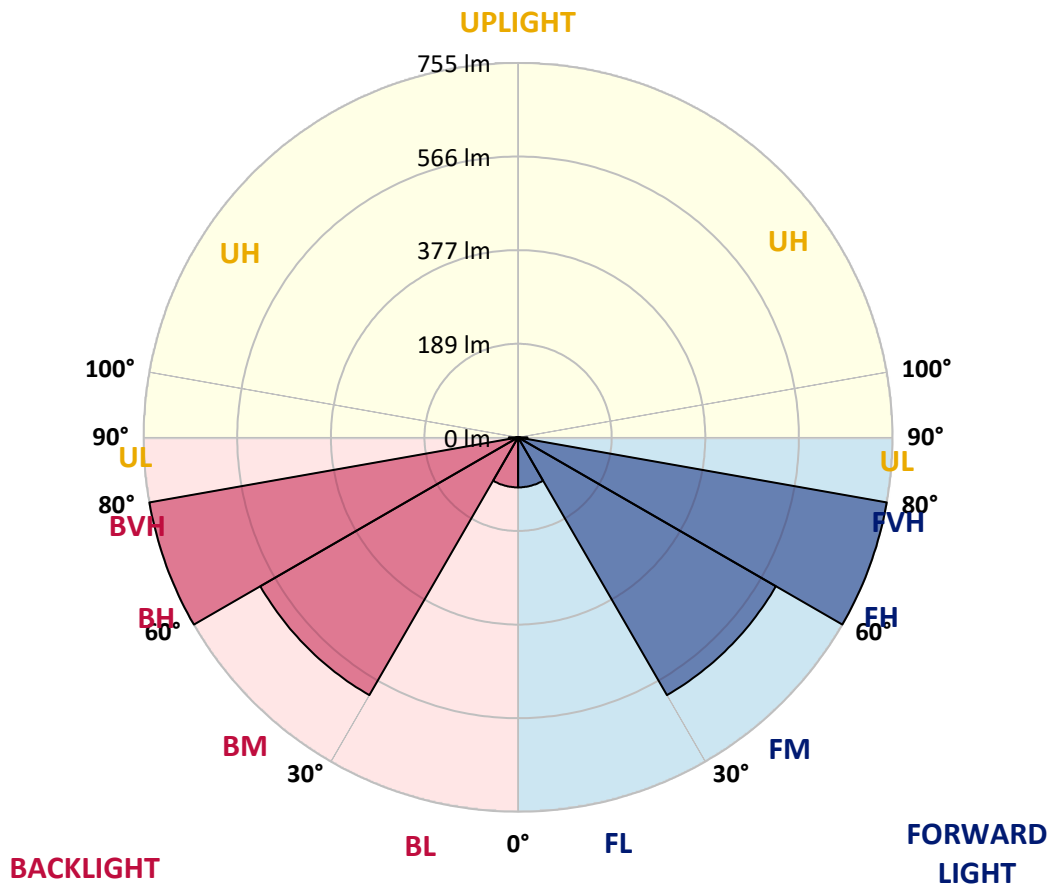
CATALOG NUMBER: GWS-SA1A-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.9	3.4			
FM (30°-60°)	600.1	20.3			
FH (60°-80°)	754.8	25.6			G1/1800
FVH (80°-90°)	18.7	0.6			G1/100
BL (0°-30°)	100.9	3.4	B0/110		
BM (30°-60°)	600.1	20.3	B1/1000		
BH (60°-80°)	754.8	25.6	B2/1000		G1/1800
BVH (80°-90°)	18.7	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°	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3
2.5°	229.4	229.6	230.0	230.0	230.4	231.1	231.3	230.9	231.1	230.0	231.1
5°	228.8	229.0	229.2	228.8	228.8	229.0	229.0	228.6	228.8	227.7	228.8
7.5°	227.3	227.5	227.5	226.9	226.3	226.7	226.7	226.3	226.5	225.4	226.7
10°	226.1	226.1	225.8	224.6	224.0	224.6	224.8	225.0	225.8	225.0	226.5
12.5°	226.9	226.9	226.3	224.6	223.6	224.0	224.4	224.8	226.3	226.1	227.7
15°	229.2	229.4	227.7	225.8	225.2	225.8	225.4	225.2	227.1	227.7	229.6
17.5°	231.1	231.1	229.0	227.1	227.3	228.4	227.5	226.5	228.4	229.6	231.7
20°	232.7	232.5	230.2	229.0	229.8	231.3	230.6	229.2	230.4	231.9	233.8
22.5°	236.9	236.7	234.2	233.6	234.4	235.9	235.2	234.0	235.4	237.5	239.8
25°	248.8	248.4	244.6	242.5	242.1	243.2	242.9	242.5	244.8	247.3	250.0
27.5°	264.6	264.4	261.7	259.6	256.9	256.1	256.7	258.6	261.9	263.8	266.1
30°	272.6	272.6	272.1	275.5	281.3	286.9	282.6	275.5	272.6	271.7	274.0
32.5°	283.0	284.0	282.6	286.3	296.1	304.5	296.1	284.7	282.6	282.6	285.1
35°	307.0	307.4	305.1	304.5	307.6	308.6	304.7	300.5	302.8	303.2	306.3
37.5°	326.2	326.2	325.1	326.8	333.2	337.2	330.7	323.2	323.9	324.3	328.2
40°	355.8	356.6	354.1	353.9	356.4	359.9	353.1	348.3	351.6	352.6	358.7
42.5°	392.7	392.7	388.9	387.9	389.6	393.3	386.8	383.7	388.1	388.9	392.5
45°	436.7	437.7	432.7	430.8	431.7	432.9	428.3	426.9	431.0	432.9	439.2
47.5°	490.3	491.3	486.9	486.7	485.9	486.7	482.4	481.5	484.9	483.4	490.1
50°	556.4	558.3	554.5	559.7	559.1	561.6	555.5	551.2	551.2	547.2	551.0
52.5°	630.4	634.2	636.0	644.8	651.5	657.7	647.7	640.8	630.8	622.7	632.9
55°	711.1	710.1	722.0	741.1	760.7	775.6	756.0	734.3	718.0	701.1	705.1
57.5°	781.8	785.4	801.0	836.0	874.8	906.1	870.9	829.2	792.2	768.0	771.4
60°	840.6	843.5	864.4	914.9	982.6	1025.8	969.9	901.1	847.5	814.1	817.7
62.5°	894.8	897.6	918.6	974.3	1059.8	1116.1	1043.9	949.9	890.3	856.7	858.8
65°	926.1	927.8	956.6	1015.2	1105.3	1163.4	1082.1	985.1	926.5	892.3	893.6
67.5°	869.2	871.9	932.6	1013.5	1114.0	1164.3	1083.8	986.2	920.3	875.7	876.7
70°	685.7	683.4	755.7	894.8	1063.8	1129.2	1035.6	912.1	810.4	748.0	747.0
72.5°	522.8	523.4	563.7	659.0	867.3	1042.1	913.8	734.5	624.8	577.4	575.6
75°	379.1	385.0	417.7	487.6	606.6	778.9	688.0	544.3	470.9	442.5	438.3
77.5°	170.8	178.3	224.0	306.1	405.6	430.4	432.1	369.5	278.8	231.7	224.4
80°	49.8	53.4	68.6	117.4	188.9	244.2	193.9	163.1	101.6	79.7	75.9
82.5°	21.1	24.0	29.4	32.5	54.8	113.2	70.5	44.8	41.7	33.8	30.9
85°	9.0	9.6	12.3	13.1	17.7	24.2	22.3	20.2	19.4	15.0	13.8
87.5°	3.8	3.8	3.8	3.3	3.1	3.3	4.6	5.8	7.7	6.0	5.6
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)