

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: P629058

Luminaire Tested: GWS-SA1A-830-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629058
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-830-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2290.2 lumens
Efficiency: N/A
Efficacy: 116.3 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

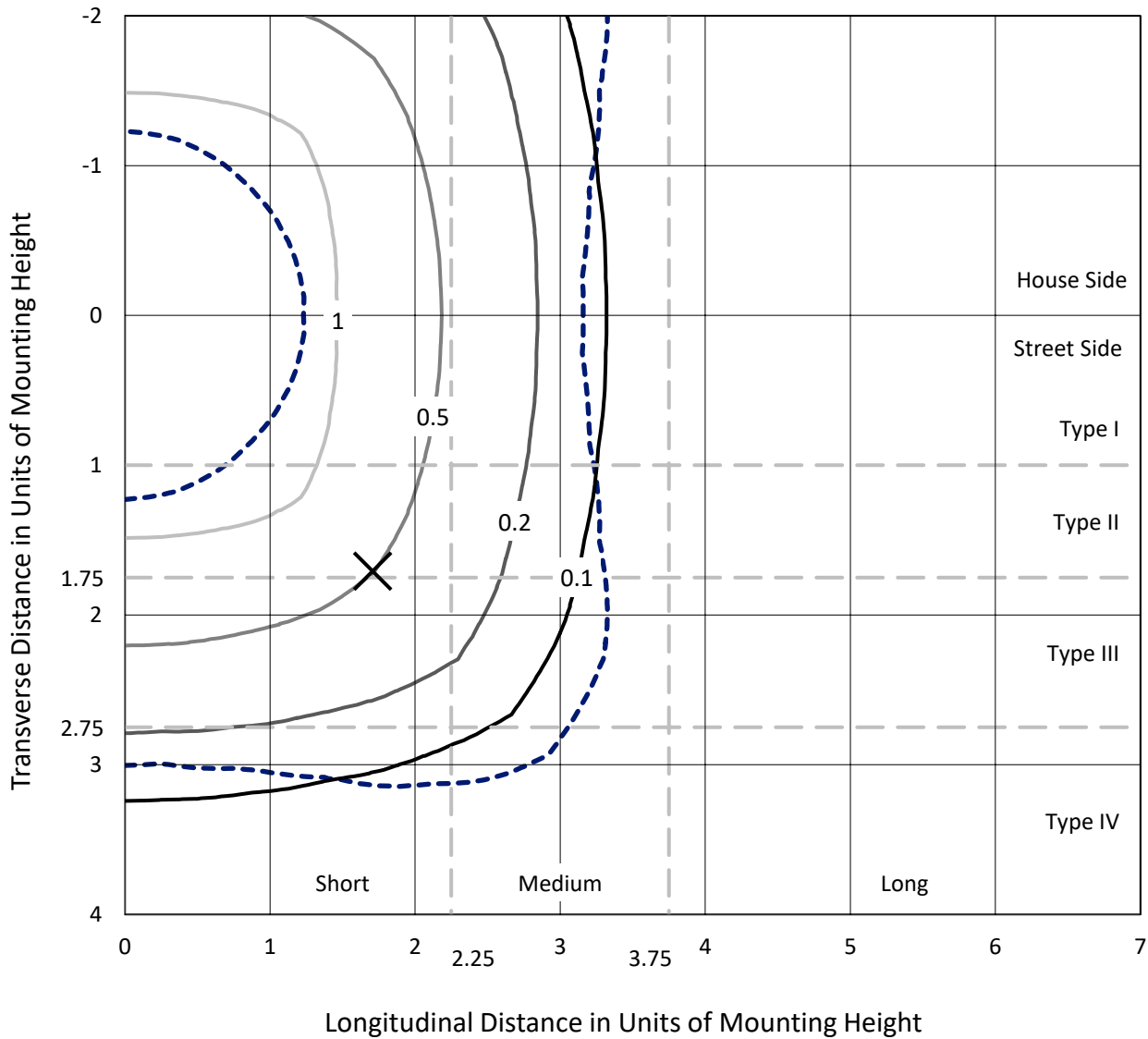
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

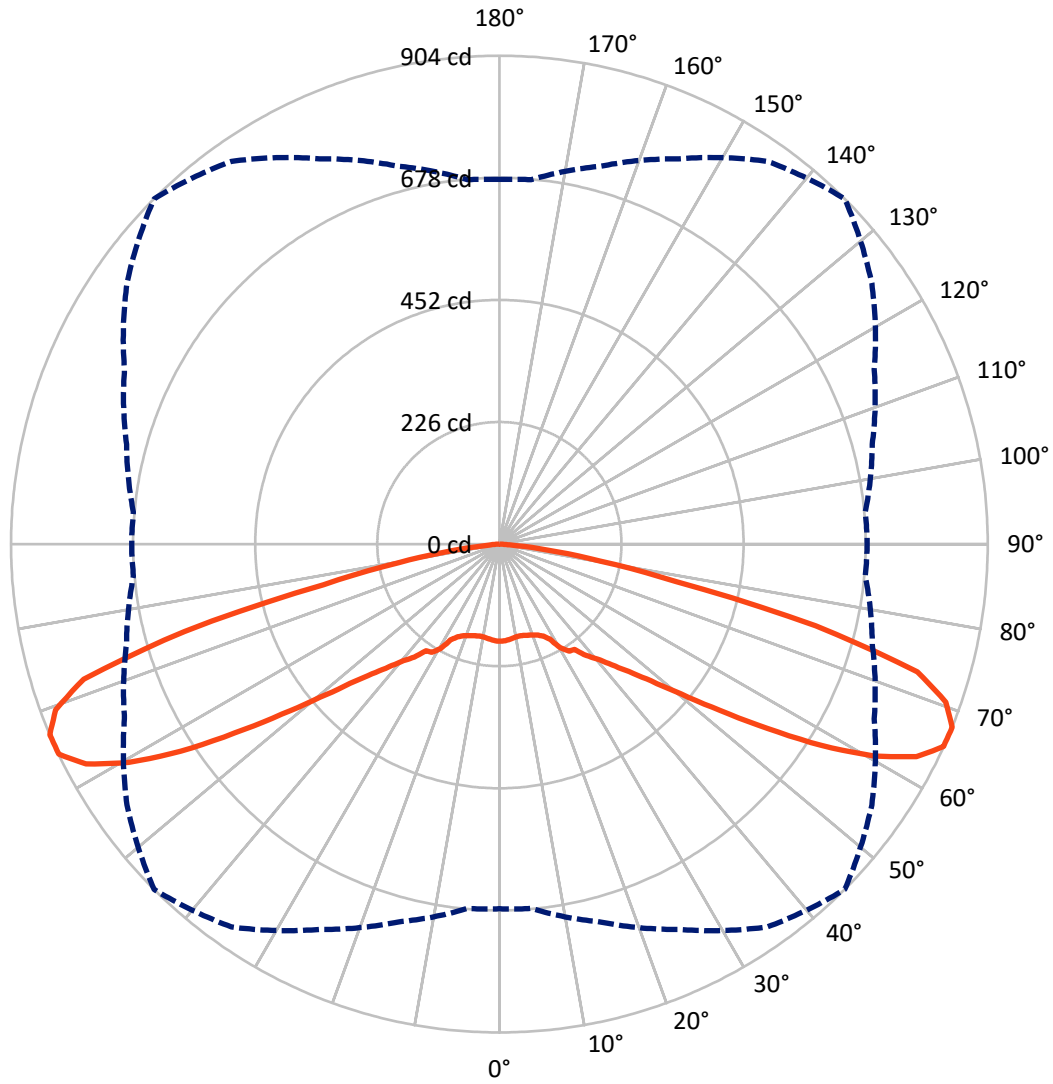
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.8 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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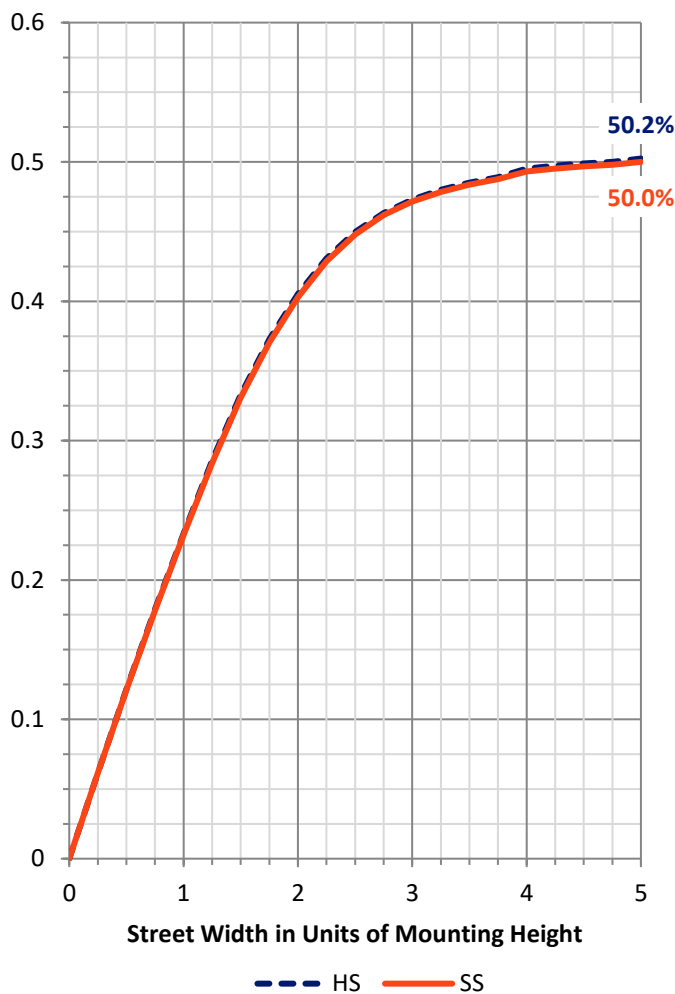
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1145.1	0.0	1145.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1145.1	0.0	1145.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2290.2	0.0	2290.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	0.7
10°-20°	50.0	2.2
20°-30°	89.8	3.9
30°-40°	151.6	6.6
40°-50°	266.4	11.6
50°-60°	514.0	22.4
60°-70°	745.7	32.6
70°-80°	426.7	18.6
80°-90°	29.1	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°	2290.2	100.0
0°-180°	2290.2	100.0

Coefficient of Utilization



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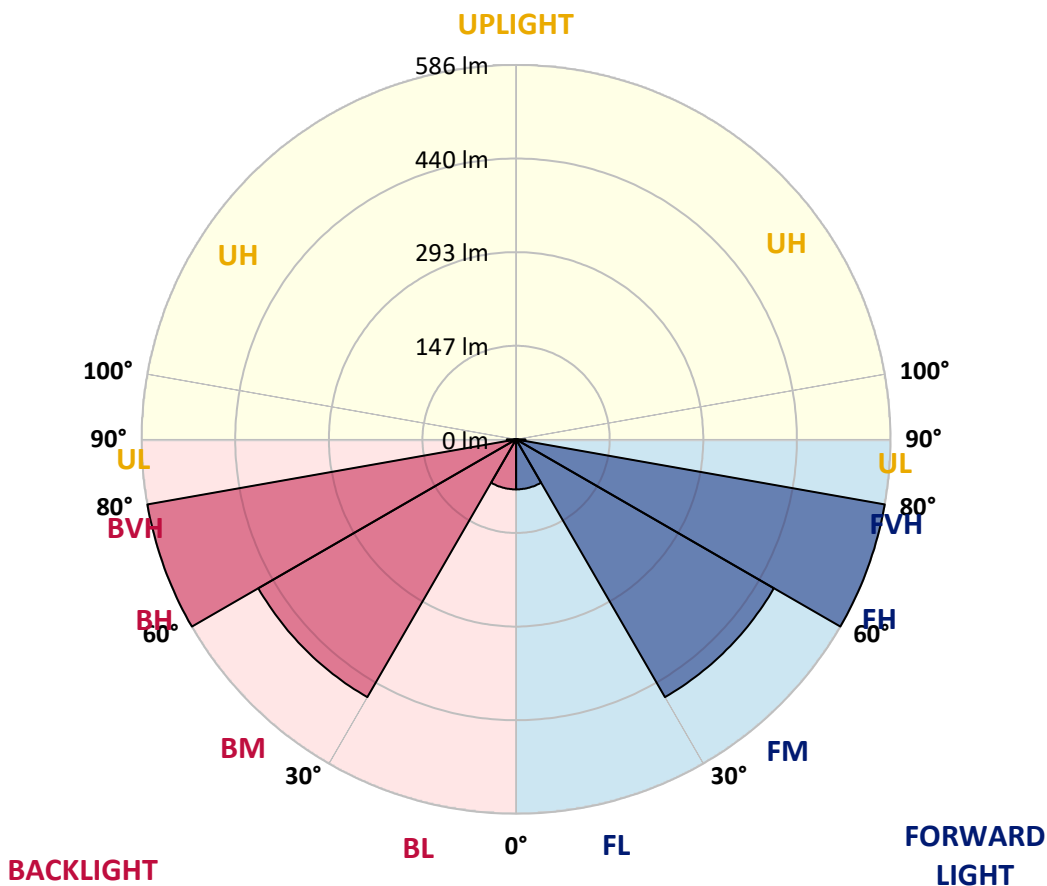
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.3	3.4			
FM (30°-60°)	466.0	20.3			
FH (60°-80°)	586.2	25.6			G0/660
FVH (80°-90°)	14.6	0.6			G1/100
BL (0°-30°)	78.3	3.4	B0/110		
BM (30°-60°)	466.0	20.3	B1/1000		
BH (60°-80°)	586.2	25.6	B2/1000		G0/660
BVH (80°-90°)	14.6	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°	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6
2.5°	178.1	178.3	178.6	178.6	179.0	179.4	179.6	179.3	179.4	178.6	179.4
5°	177.7	177.8	178.0	177.7	177.7	177.8	177.8	177.5	177.7	176.8	177.7
7.5°	176.5	176.7	176.7	176.2	175.7	176.0	176.0	175.7	175.9	175.1	176.0
10°	175.5	175.5	175.4	174.4	173.9	174.4	174.6	174.7	175.4	174.7	175.9
12.5°	176.2	176.2	175.7	174.4	173.6	173.9	174.3	174.6	175.7	175.5	176.8
15°	178.0	178.1	176.8	175.4	174.9	175.4	175.1	174.9	176.4	176.8	178.3
17.5°	179.4	179.4	177.8	176.4	176.5	177.3	176.7	175.9	177.3	178.3	179.9
20°	180.7	180.6	178.8	177.8	178.5	179.6	179.1	178.0	179.0	180.1	181.5
22.5°	184.0	183.8	181.9	181.4	182.0	183.2	182.7	181.7	182.8	184.5	186.2
25°	193.2	192.9	190.0	188.3	188.0	188.8	188.7	188.3	190.1	192.1	194.2
27.5°	205.5	205.3	203.2	201.6	199.5	198.9	199.4	200.8	203.4	204.9	206.6
30°	211.7	211.7	211.3	213.9	218.5	222.8	219.4	213.9	211.7	211.0	212.8
32.5°	219.8	220.6	219.4	222.4	230.0	236.4	230.0	221.1	219.4	219.4	221.4
35°	238.4	238.7	236.9	236.4	238.9	239.7	236.6	233.4	235.1	235.5	237.9
37.5°	253.3	253.3	252.5	253.8	258.8	261.9	256.8	251.0	251.5	251.8	254.9
40°	276.3	276.9	275.0	274.8	276.8	279.5	274.2	270.5	273.0	273.9	278.5
42.5°	304.9	304.9	302.0	301.2	302.5	305.4	300.4	298.0	301.4	302.0	304.8
45°	339.1	339.9	336.0	334.6	335.2	336.2	332.6	331.5	334.7	336.2	341.1
47.5°	380.7	381.5	378.1	378.0	377.3	378.0	374.6	373.9	376.5	375.4	380.6
50°	432.1	433.5	430.6	434.7	434.2	436.1	431.4	428.0	428.0	424.9	427.9
52.5°	489.6	492.5	493.9	500.7	505.9	510.8	503.0	497.7	489.9	483.6	491.5
55°	552.2	551.4	560.7	575.6	590.8	602.3	587.1	570.2	557.6	544.5	547.5
57.5°	607.1	609.9	622.0	649.2	679.4	703.7	676.3	643.9	615.2	596.4	599.0
60°	652.8	655.1	671.3	710.5	763.1	796.6	753.2	699.8	658.1	632.2	635.0
62.5°	694.9	697.0	713.4	756.6	823.0	866.7	810.7	737.7	691.3	665.3	666.9
65°	719.2	720.5	742.8	788.4	858.3	903.5	840.3	765.0	719.5	693.0	693.9
67.5°	675.0	677.1	724.2	787.1	865.1	904.1	841.6	765.8	714.7	680.0	680.8
70°	532.5	530.7	586.9	694.9	826.1	876.9	804.2	708.4	629.3	580.9	580.1
72.5°	406.0	406.5	437.7	511.8	673.5	809.2	709.6	570.4	485.2	448.4	447.0
75°	294.4	299.0	324.4	378.6	471.1	604.9	534.3	422.7	365.7	343.7	340.4
77.5°	132.6	138.5	173.9	237.7	315.0	334.3	335.6	287.0	216.5	179.9	174.3
80°	38.7	41.5	53.3	91.2	146.7	189.6	150.6	126.6	78.9	61.9	58.9
82.5°	16.4	18.6	22.8	25.3	42.6	87.9	54.7	34.8	32.4	26.2	24.0
85°	7.0	7.4	9.6	10.2	13.8	18.8	17.3	15.7	15.1	11.7	10.7
87.5°	2.9	2.9	2.9	2.6	2.4	2.6	3.6	4.5	6.0	4.7	4.4
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)