

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: P629054

Luminaire Tested: GWS-SA1A-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-830-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2048 lumens
Efficiency: N/A
Efficacy: 104.0 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

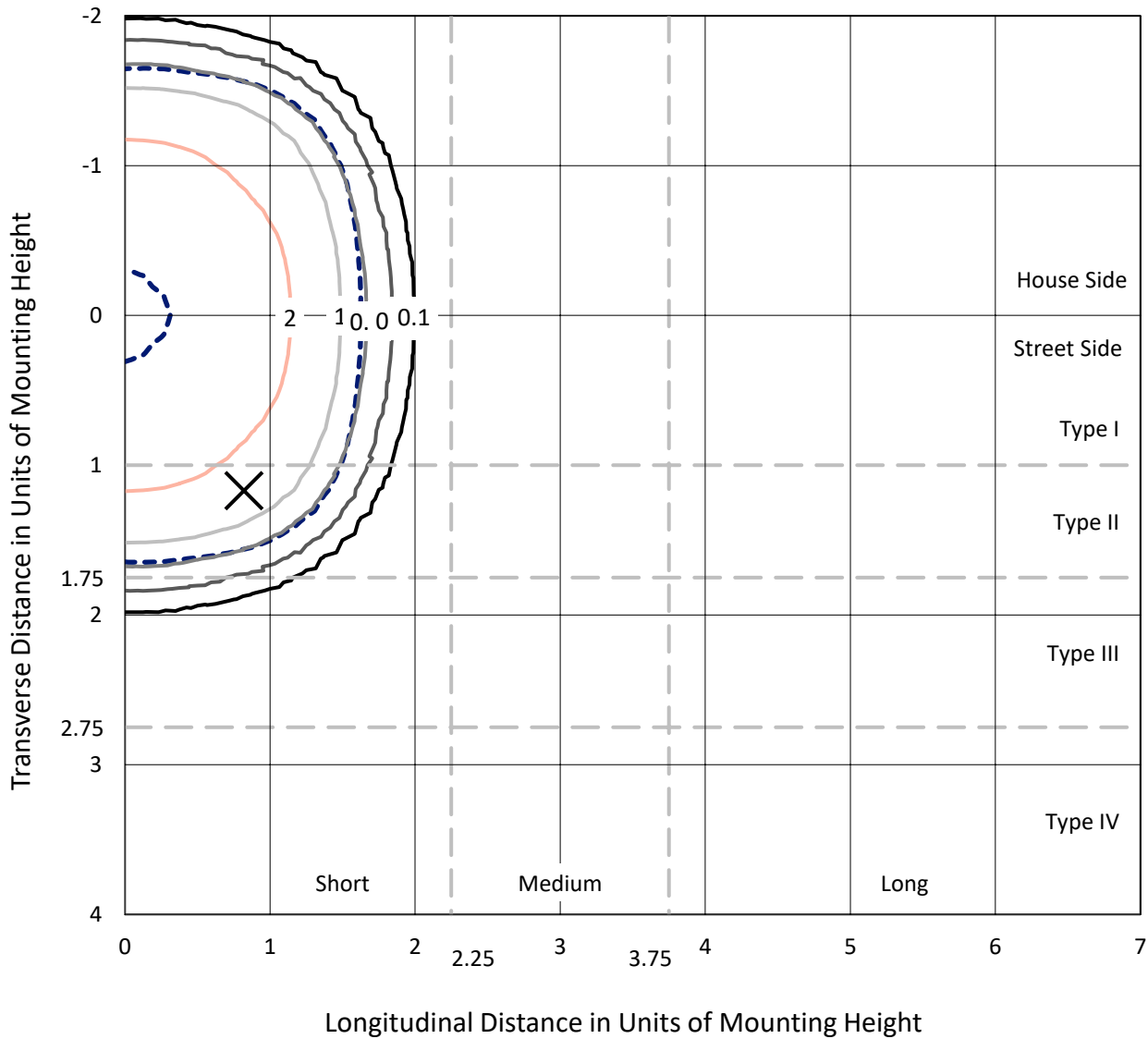
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

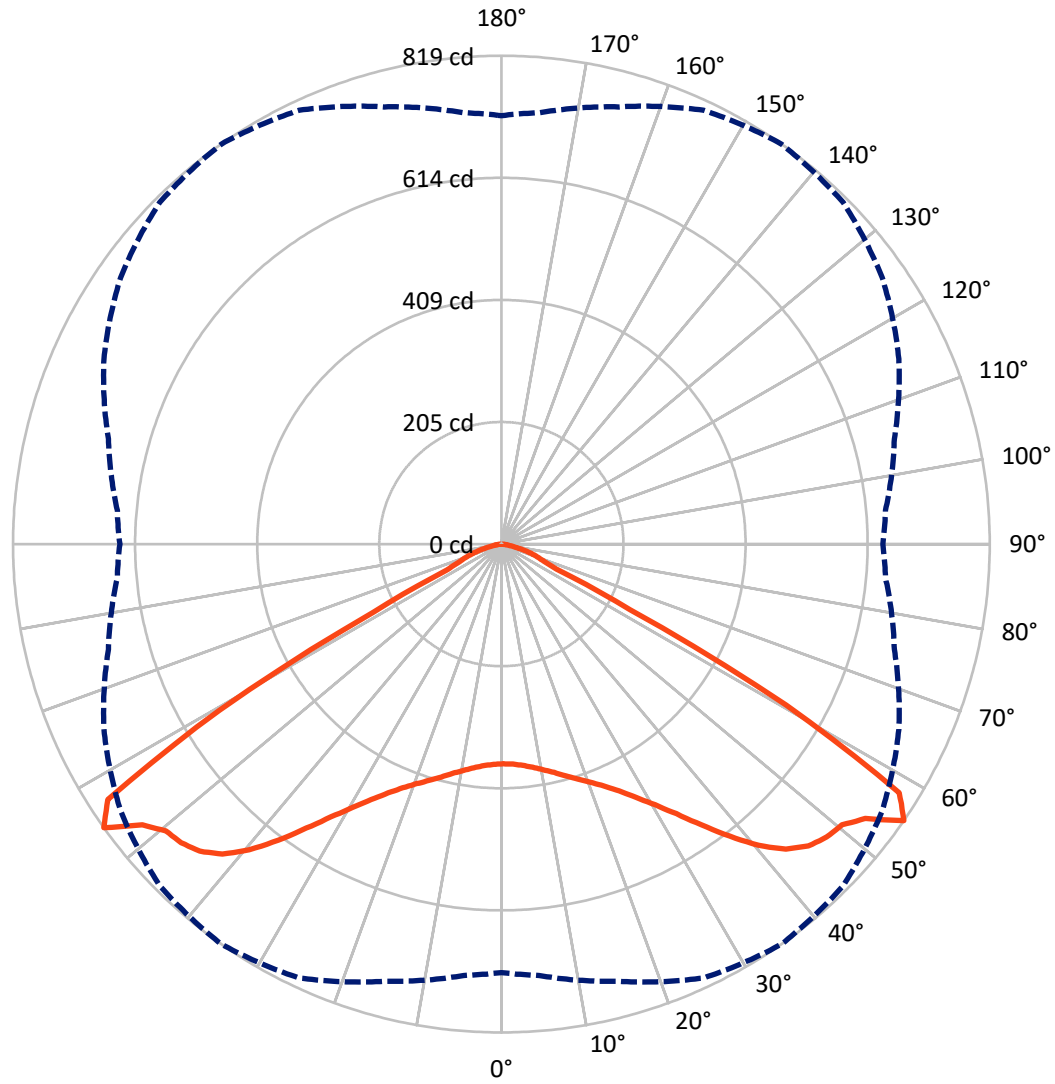
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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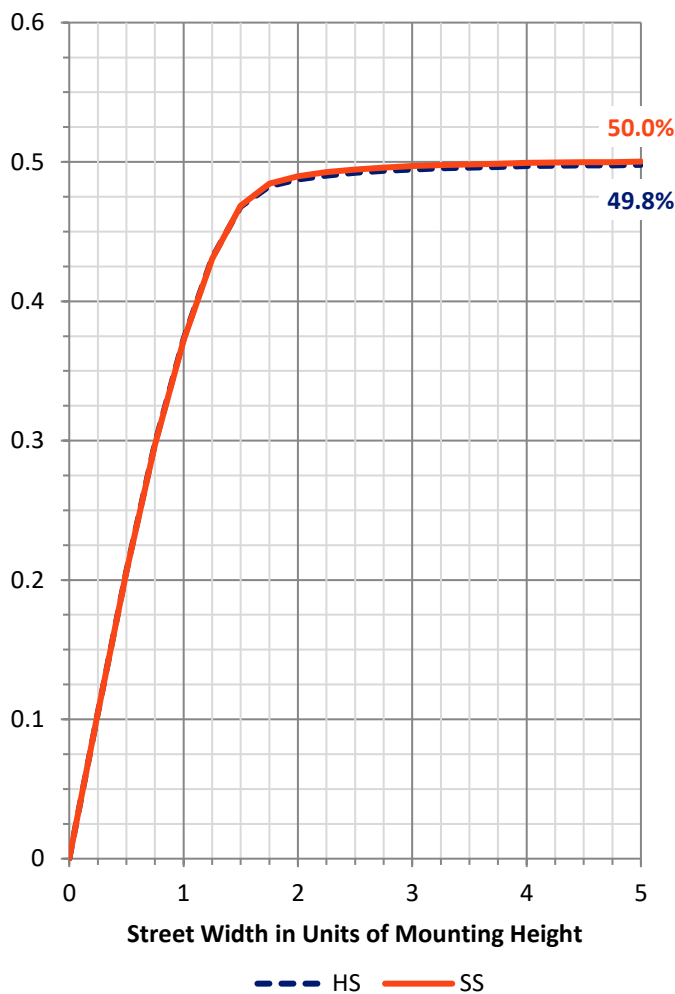
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1024.0	0.0	1024.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1024.0	0.0	1024.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2048.0	0.0	2048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	1.8
10°-20°	114.4	5.6
20°-30°	211.8	10.3
30°-40°	354.2	17.3
40°-50°	539.8	26.4
50°-60°	604.7	29.5
60°-70°	143.1	7.0
70°-80°	38.6	1.9
80°-90°	5.5	0.3
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°	2048.0	100.0
0°-180°	2048.0	100.0

Coefficient of Utilization



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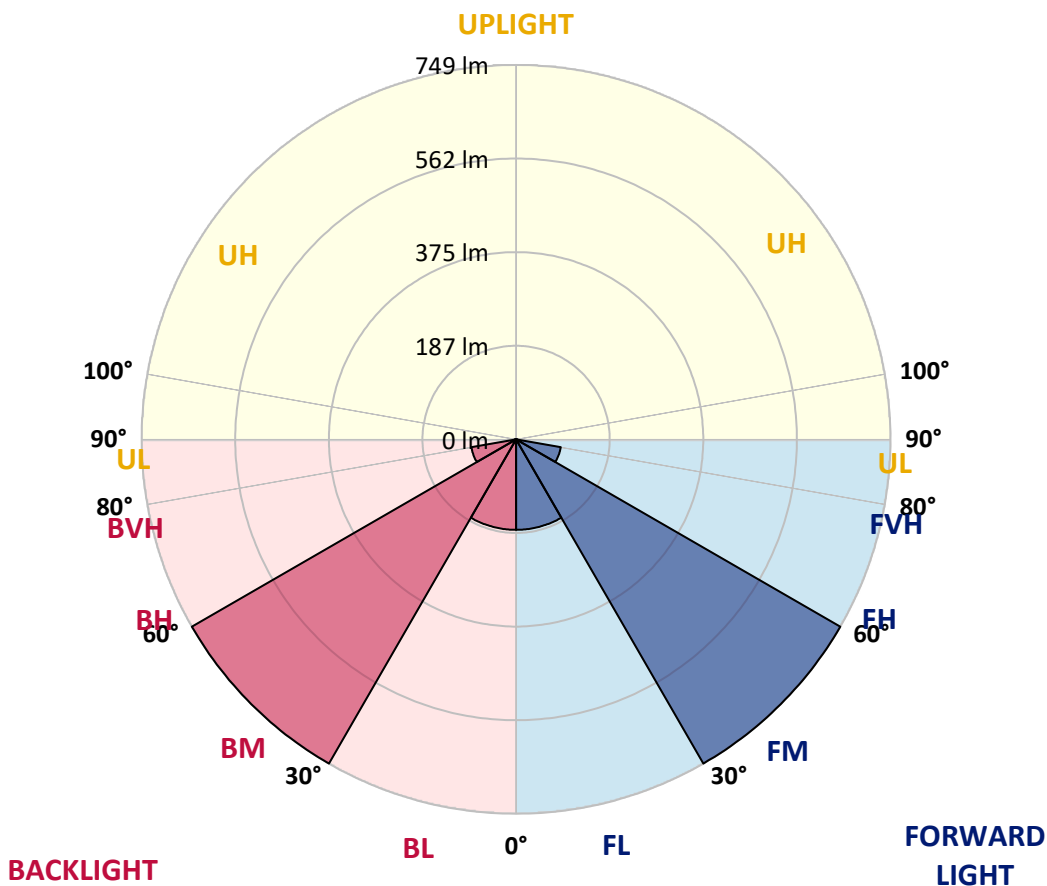
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.1	8.8			
FM (30°-60°)	749.3	36.6			
FH (60°-80°)	90.8	4.4			G0/660
FVH (80°-90°)	2.8	0.1			G0/10
BL (0°-30°)	181.1	8.8	B1/500		
BM (30°-60°)	749.3	36.6	B1/1000		
BH (60°-80°)	90.8	4.4	B0/110		G0/660
BVH (80°-90°)	2.8	0.1			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°	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4	368.4
2.5°	367.6	367.6	368.3	369.1	369.3	370.9	370.5	369.9	369.6	368.9	370.4
5°	371.7	371.8	372.3	372.8	372.5	373.8	373.3	372.5	372.0	371.2	372.7
7.5°	377.0	377.0	377.5	378.2	377.8	379.8	378.8	377.7	376.9	375.9	377.2
10°	381.9	382.2	382.7	384.0	384.6	386.7	386.1	384.5	383.2	382.0	383.5
12.5°	389.2	389.5	390.0	391.8	392.9	395.0	394.0	391.8	389.8	388.2	389.8
15°	398.6	398.2	399.5	401.8	403.3	405.2	404.1	400.2	397.6	395.5	397.1
17.5°	408.1	408.0	409.3	412.2	414.3	416.9	414.9	410.4	407.6	405.0	406.7
20°	418.5	419.0	420.3	423.0	426.1	429.5	427.9	423.0	419.9	417.0	418.3
22.5°	431.3	431.4	432.9	436.5	440.5	443.7	442.8	436.8	432.9	429.8	431.4
25°	446.7	446.5	448.4	452.7	458.3	461.6	459.5	452.8	448.6	445.0	446.3
27.5°	464.3	464.2	467.1	472.6	480.7	485.2	480.8	472.6	466.7	461.7	462.9
30°	486.5	486.0	489.3	496.7	507.2	514.8	508.4	496.9	489.3	483.9	485.0
32.5°	511.1	511.8	515.8	525.9	539.1	549.0	539.3	526.5	516.3	508.5	509.8
35°	538.2	538.2	546.4	558.9	577.8	591.0	575.9	557.4	543.8	533.1	533.5
37.5°	568.3	568.6	579.5	596.6	621.4	636.8	616.4	593.6	577.0	565.5	564.9
40°	605.1	606.0	617.2	636.3	664.2	678.3	656.4	634.0	617.2	603.6	602.3
42.5°	646.5	646.8	658.7	675.8	699.3	707.7	690.6	672.3	658.5	646.2	644.9
45°	686.0	685.2	695.4	708.2	721.8	722.6	713.1	705.6	693.6	683.1	681.2
47.5°	716.8	716.2	725.4	732.3	734.0	726.0	729.1	730.2	716.3	702.1	698.3
50°	735.6	736.9	745.6	749.5	740.0	727.0	738.7	735.7	715.8	697.2	691.2
52.5°	746.9	748.9	764.1	774.0	764.1	751.8	753.4	736.2	707.6	683.0	675.2
55°	718.3	726.0	758.9	802.6	818.8	810.2	779.5	735.3	682.1	646.4	639.7
57.5°	532.3	544.6	593.4	688.1	786.6	817.9	728.0	616.4	535.9	489.9	486.0
60°	271.8	285.5	324.6	421.9	548.5	592.6	507.1	394.7	313.7	276.5	272.2
62.5°	110.9	113.2	126.0	163.6	242.4	279.7	245.7	172.5	129.6	119.4	119.5
65°	87.3	87.8	87.1	89.4	101.5	112.7	104.1	91.5	89.2	90.4	89.6
67.5°	76.1	76.3	75.8	75.8	76.3	75.8	76.8	77.3	77.6	78.9	78.1
70°	63.6	63.8	63.8	64.1	64.0	63.2	64.6	65.3	65.4	66.2	65.8
72.5°	49.2	49.7	50.0	50.2	50.0	49.6	50.4	51.5	51.3	52.1	51.3
75°	33.4	34.0	34.3	35.0	34.8	34.8	35.8	36.3	35.8	36.4	35.8
77.5°	18.9	19.4	20.4	21.1	21.7	22.2	22.8	23.2	23.0	23.3	23.0
80°	11.0	11.2	12.0	12.3	13.1	13.9	14.6	14.9	15.1	15.2	15.1
82.5°	6.3	6.5	6.8	7.1	7.8	8.4	9.1	9.6	9.6	9.7	9.6
85°	3.1	3.1	3.2	3.4	3.7	4.2	4.7	5.2	5.3	5.3	5.3
87.5°	0.5	0.5	0.6	0.6	0.8	1.0	1.3	1.6	1.8	1.8	1.8
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)