

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: P629548

Luminaire Tested: GWS-SA1B-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2003.5 lumens
Efficiency: N/A
Efficacy: 80.1 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

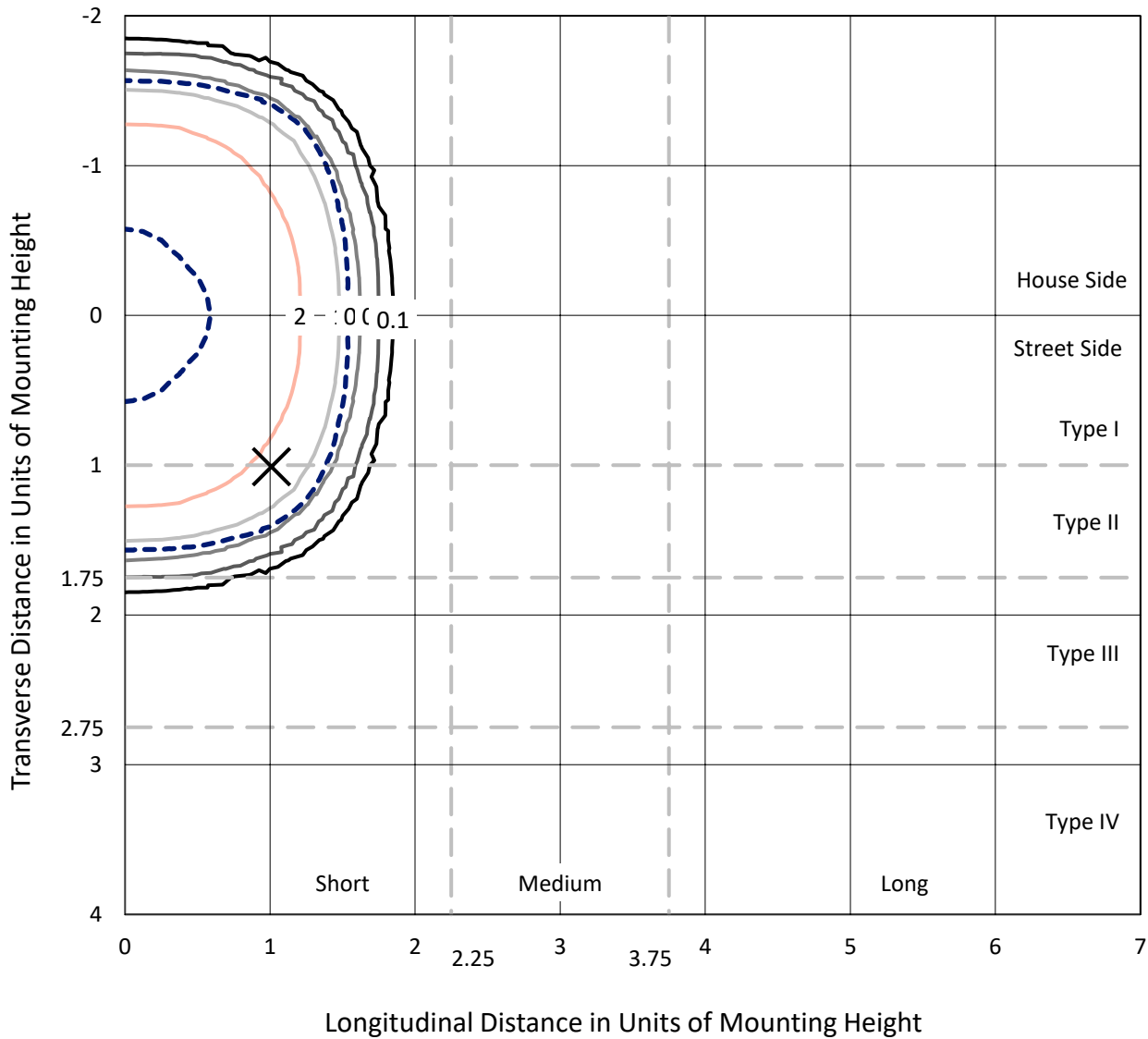
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

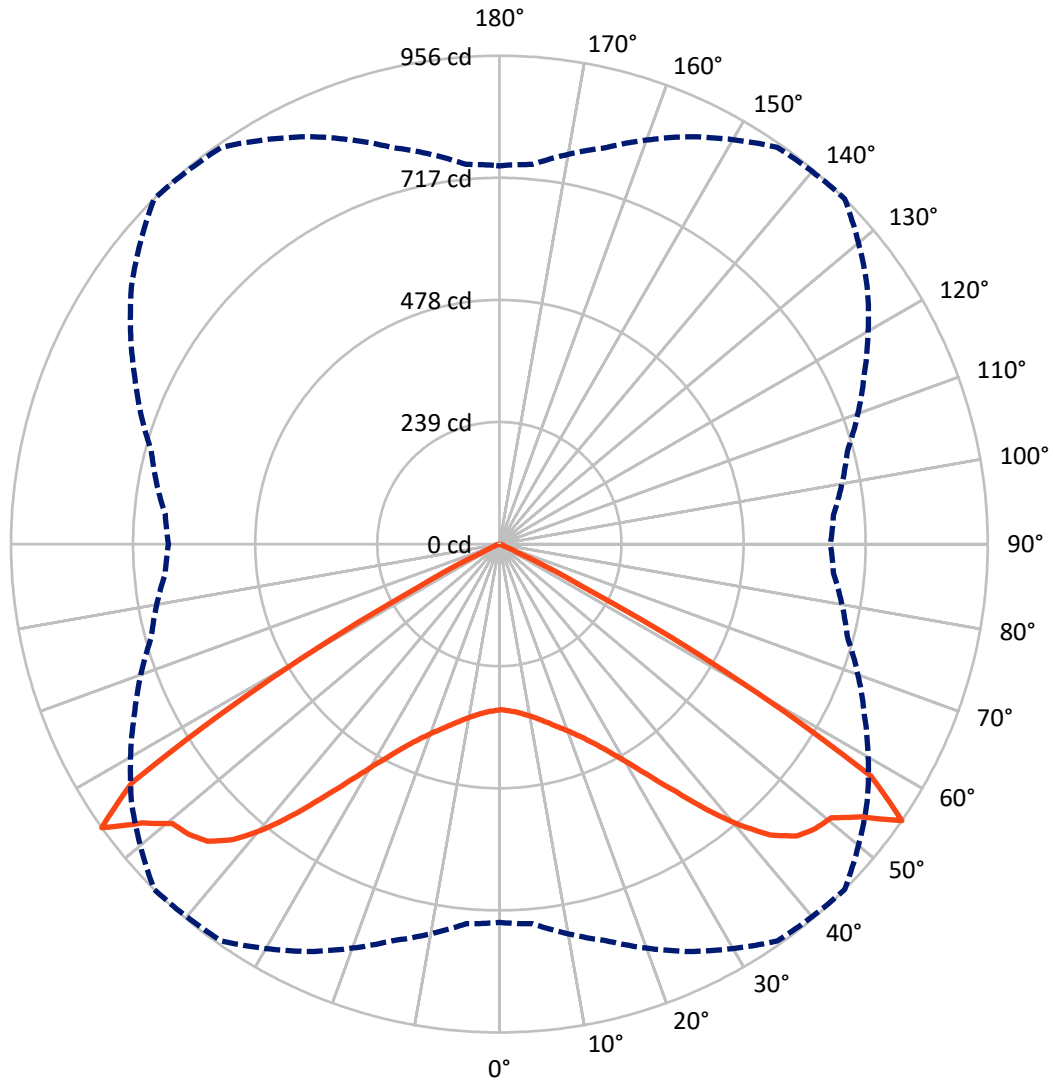
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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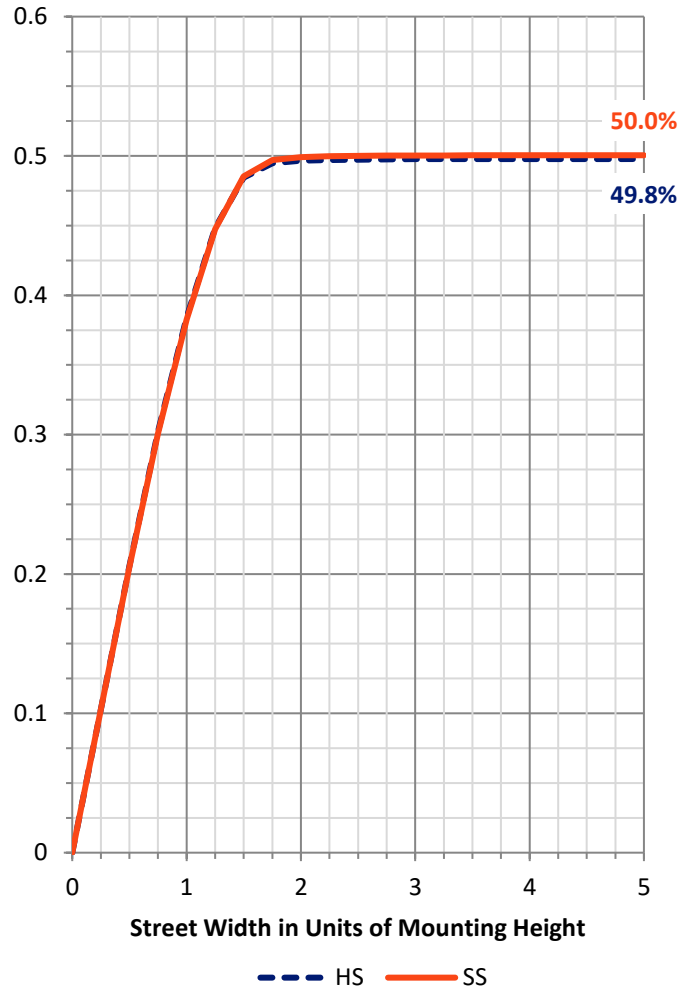
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1001.7	0.0	1001.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1001.7	0.0	1001.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2003.5	0.0	2003.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	1.6
10°-20°	102.9	5.1
20°-30°	199.2	9.9
30°-40°	357.0	17.8
40°-50°	598.4	29.9
50°-60°	640.6	32.0
60°-70°	70.4	3.5
70°-80°	3.1	0.2
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°	2003.5	100.0
0°-180°	2003.5	100.0

Coefficient of Utilization



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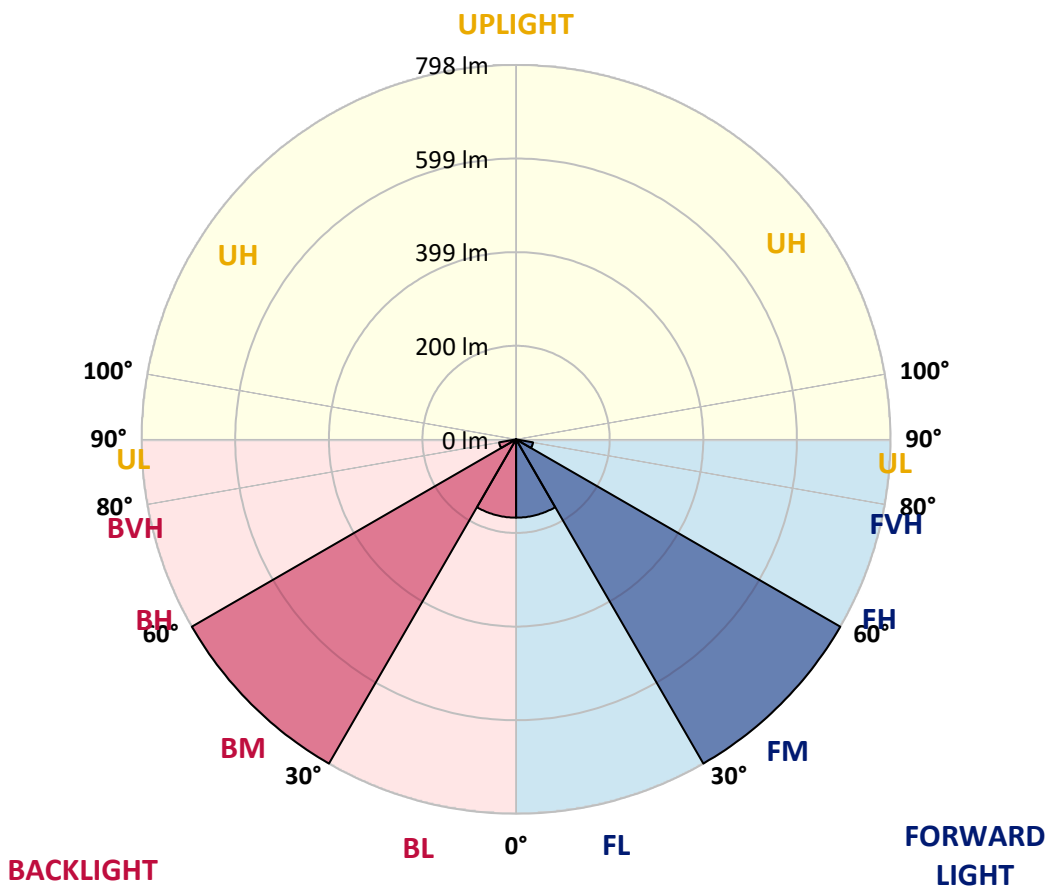
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.9	8.3			
FM (30°-60°)	798.0	39.8			
FH (60°-80°)	36.7	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	166.9	8.3	B1/500		
BM (30°-60°)	798.0	39.8	B1/1000		
BH (60°-80°)	36.7	1.8	B0/110		G0/660
BVH (80°-90°)	0.1	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°	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9	323.9
2.5°	323.3	323.3	324.1	324.7	324.7	326.4	325.8	325.2	325.2	324.3	326.0
5°	328.0	327.8	328.6	329.0	328.2	329.8	328.8	328.2	327.8	327.0	328.6
7.5°	333.1	333.3	333.5	334.3	333.9	335.6	334.7	333.5	333.1	331.9	333.5
10°	339.2	339.2	339.6	340.7	340.9	342.9	342.1	340.7	339.4	338.2	339.8
12.5°	347.0	347.2	347.8	349.2	350.1	352.3	351.1	348.2	346.4	345.0	346.8
15°	358.2	358.0	358.8	360.9	361.9	363.5	361.7	357.8	355.6	353.9	355.2
17.5°	370.5	370.5	370.9	372.9	374.3	376.8	374.5	369.9	367.8	365.6	366.8
20°	383.9	384.5	385.0	386.4	388.8	391.3	389.4	384.8	382.5	379.7	381.1
22.5°	401.7	401.1	401.3	403.7	407.2	409.7	408.2	402.7	398.8	396.6	397.4
25°	421.5	421.3	421.9	425.6	429.5	432.1	430.1	422.9	419.0	415.2	416.8
27.5°	445.8	446.0	446.4	450.9	457.0	460.9	455.8	448.6	443.3	438.2	439.5
30°	474.6	474.2	475.4	481.5	490.5	496.6	490.7	480.7	473.1	468.2	468.8
32.5°	505.2	505.6	508.9	518.7	530.5	541.3	529.3	516.0	506.2	497.0	498.2
35°	538.2	539.3	546.6	561.1	580.5	595.0	578.3	556.4	542.5	530.7	531.1
37.5°	577.2	579.7	589.9	611.5	639.3	658.7	634.2	605.2	587.2	572.5	571.5
40°	628.5	631.3	645.2	670.9	704.6	722.4	694.0	664.2	641.9	626.0	623.6
42.5°	687.2	690.9	706.0	732.4	766.0	778.1	750.3	725.2	705.2	686.4	685.6
45°	753.6	755.6	767.9	788.1	812.4	815.2	794.4	780.5	760.3	742.8	741.3
47.5°	815.8	817.9	826.2	836.7	842.4	832.2	828.5	822.4	796.2	774.6	770.1
50°	863.2	864.8	875.2	879.3	863.4	841.8	848.9	835.8	807.5	783.2	776.2
52.5°	859.9	864.0	890.7	914.0	904.0	886.5	867.3	839.1	795.0	761.7	753.2
55°	740.3	745.8	803.2	879.7	948.1	955.7	878.9	788.1	705.2	656.4	647.7
57.5°	475.8	477.2	547.2	654.6	808.7	857.3	728.9	594.2	491.1	437.4	433.7
60°	174.9	172.1	224.9	313.9	465.8	517.2	429.0	300.5	214.3	176.4	173.3
62.5°	42.0	42.5	52.7	79.0	146.1	180.8	142.9	79.8	50.8	42.7	42.3
65°	21.2	20.8	21.0	22.7	31.2	37.4	30.6	21.6	20.8	21.0	20.8
67.5°	13.7	13.5	13.9	14.1	13.9	13.1	12.9	13.3	13.3	13.5	13.1
70°	8.4	8.2	8.6	9.2	8.8	7.8	8.2	8.6	8.2	8.0	8.0
72.5°	4.5	4.5	4.9	5.3	4.9	4.5	4.5	4.7	4.5	4.5	4.5
75°	2.0	2.0	2.2	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.8
80°	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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)