

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: P629331

Luminaire Tested: GWS-SA1B-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629331
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-SA1B-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1886.1 lumens
Efficiency: N/A
Efficacy: 75.4 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

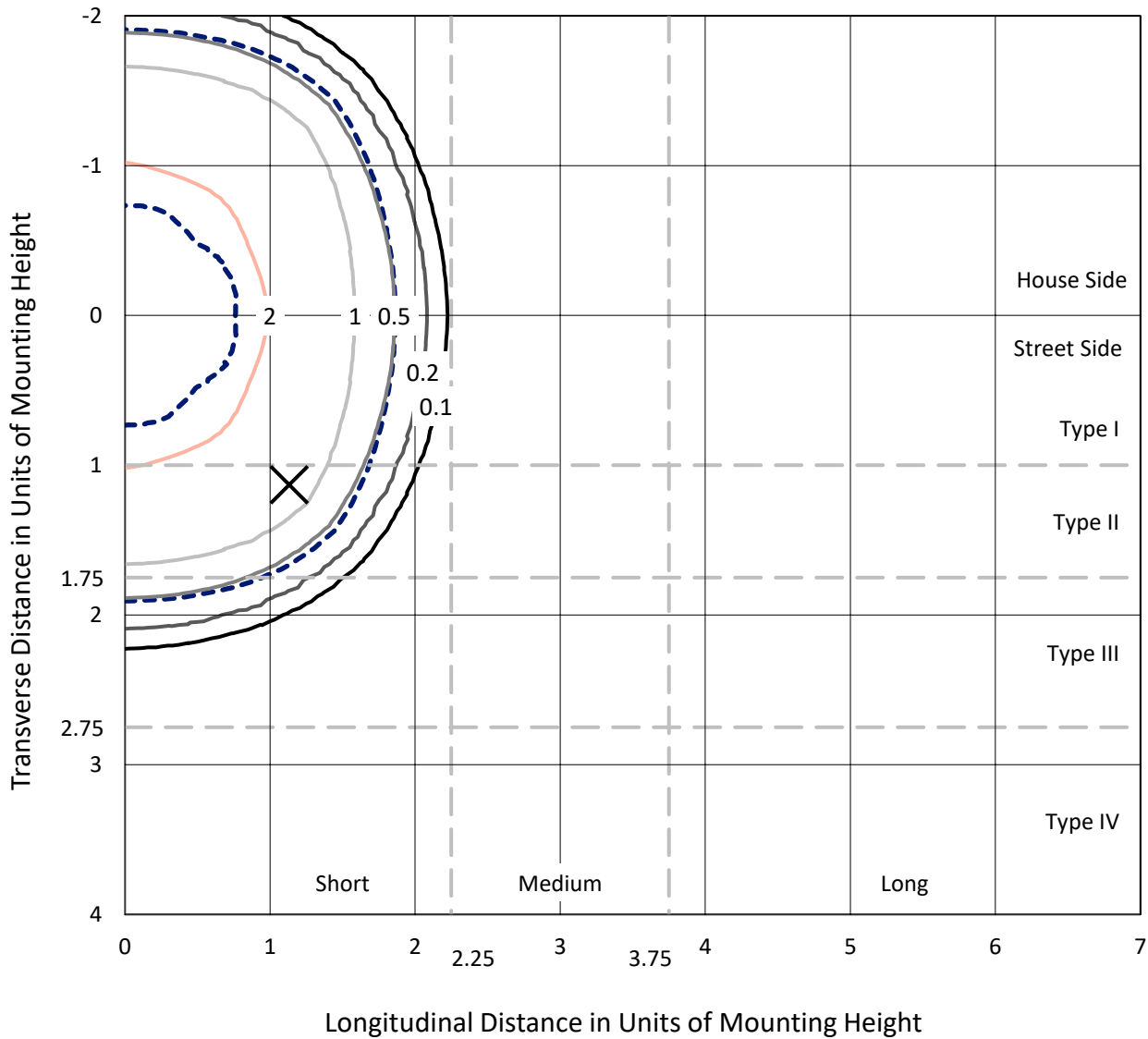
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

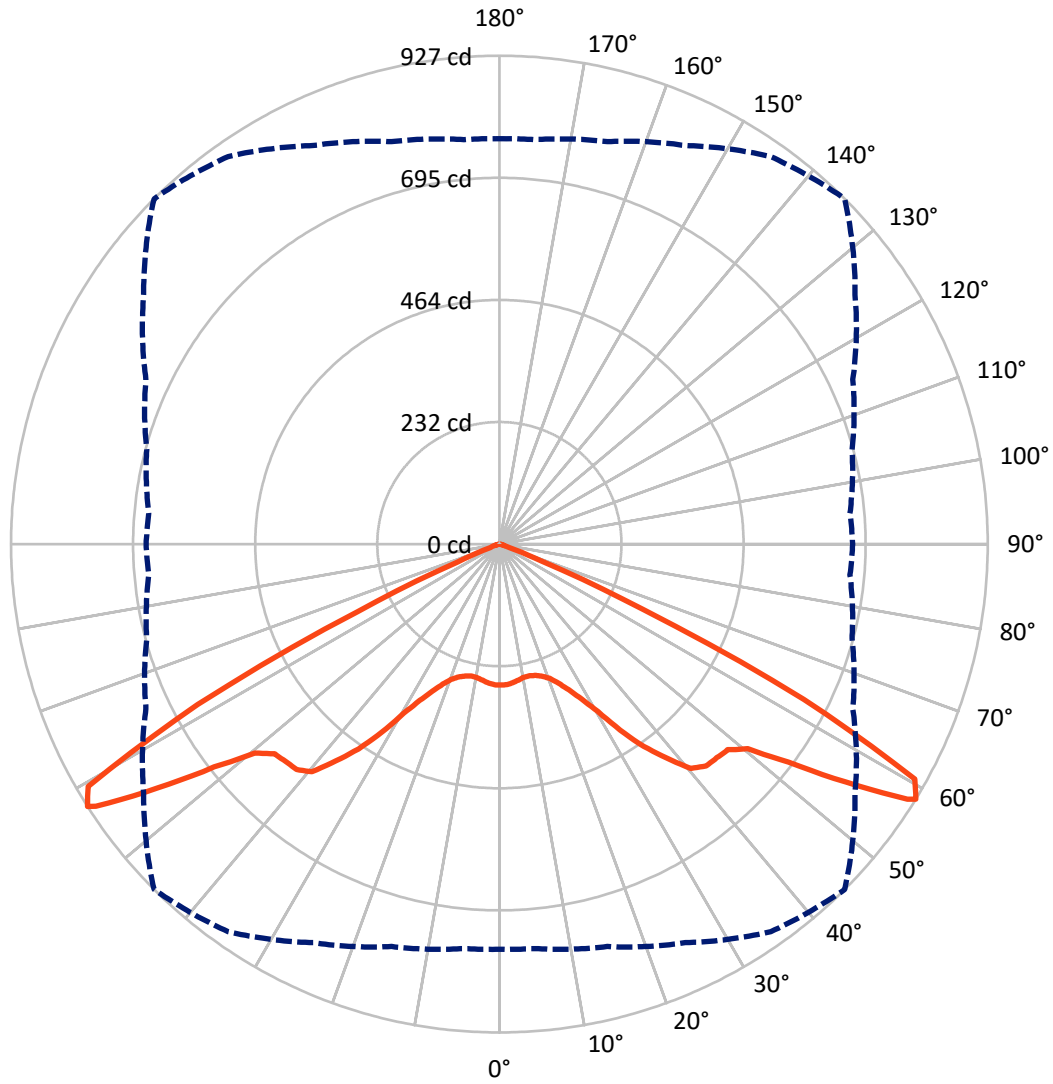
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 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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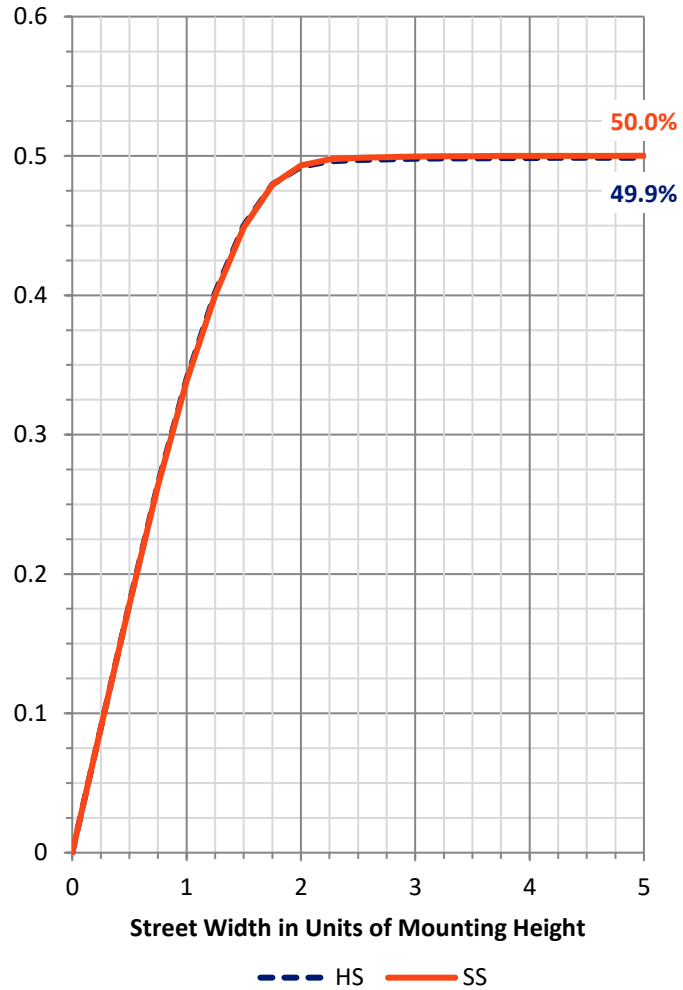
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	943.1	0.0	943.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	943.1	0.0	943.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	1886.1	0.0	1886.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	1.3
10°-20°	73.8	3.9
20°-30°	139.7	7.4
30°-40°	275.4	14.6
40°-50°	435.9	23.1
50°-60°	640.7	34.0
60°-70°	286.0	15.2
70°-80°	9.6	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°	1886.1	100.0
0°-180°	1886.1	100.0

Coefficient of Utilization



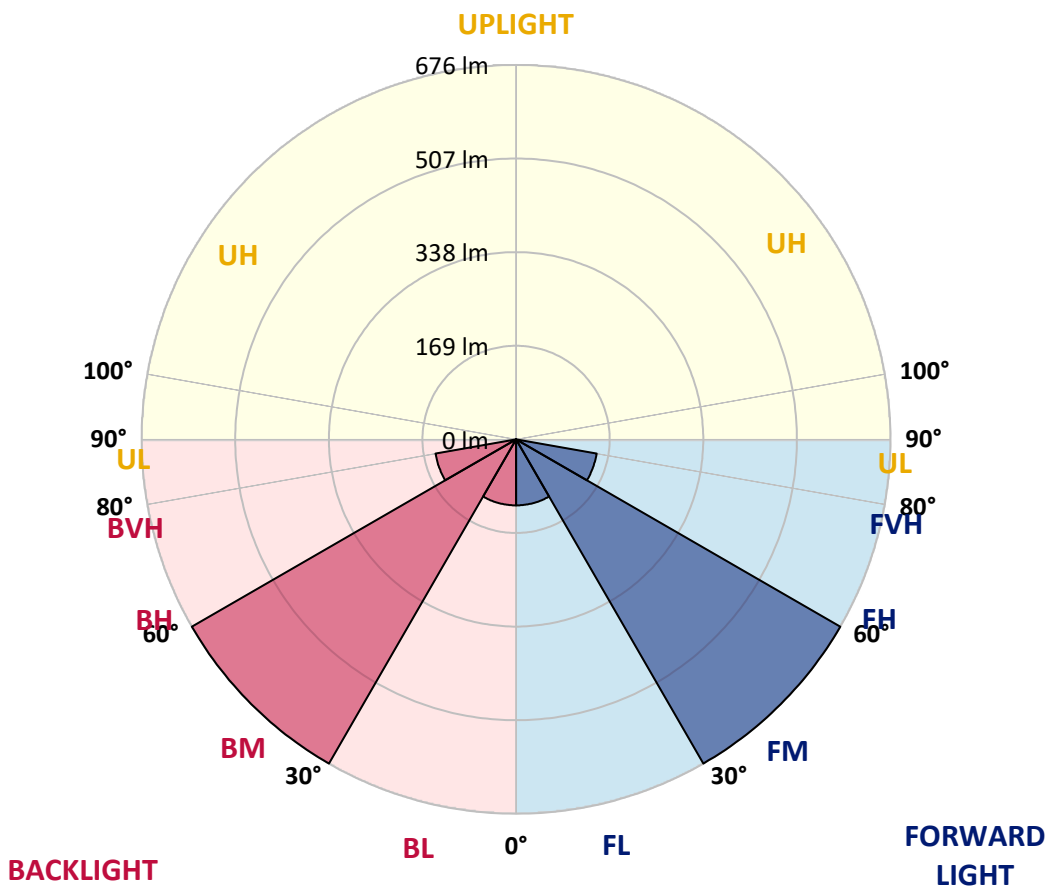
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	119.2	6.3			
FM (30°-60°)	676.0	35.8			
FH (60°-80°)	147.8	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	119.2	6.3	B1/500		
BM (30°-60°)	676.0	35.8	B1/1000		
BH (60°-80°)	147.8	7.8	B1/500		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°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5
2.5°	264.9	265.4	265.9	266.2	266.4	267.2	267.5	266.7	266.7	265.2	267.0
5°	263.6	264.1	264.6	264.4	264.4	264.4	264.1	263.1	262.8	261.3	263.1
7.5°	261.3	261.8	261.8	261.1	260.5	260.5	260.3	259.0	258.7	257.2	259.0
10°	259.5	259.8	259.5	258.0	256.9	256.9	256.7	256.2	256.4	255.4	256.9
12.5°	260.5	260.8	259.8	257.7	256.4	256.2	255.4	254.6	255.4	255.1	256.7
15°	263.9	264.1	262.3	259.8	258.7	258.7	256.7	254.6	255.7	255.9	257.7
17.5°	268.0	268.0	265.7	263.4	263.6	263.6	260.3	256.7	256.9	258.0	259.8
20°	272.9	272.9	270.6	270.0	271.8	272.1	268.0	262.3	261.1	261.8	263.9
22.5°	281.6	281.6	279.8	281.1	285.2	286.5	280.3	272.4	269.3	269.8	271.8
25°	295.2	295.2	294.7	297.8	303.7	306.5	298.3	287.8	282.6	281.9	284.2
27.5°	318.1	318.3	317.6	322.2	329.7	333.0	321.7	307.8	301.6	300.4	302.7
30°	347.6	347.6	347.9	354.3	364.1	368.5	353.5	337.4	330.2	326.1	329.1
32.5°	380.5	381.0	383.6	394.4	411.6	420.6	398.8	376.2	364.6	360.2	363.6
35°	434.7	429.9	426.8	434.7	459.7	471.5	443.5	417.0	408.3	407.8	416.2
37.5°	488.4	485.6	479.2	487.4	509.8	515.2	484.3	462.2	456.1	459.4	467.9
40°	531.1	526.0	517.5	525.2	554.5	559.9	521.8	500.0	497.7	505.1	516.7
42.5°	564.8	557.6	546.3	548.1	571.7	575.5	541.9	525.4	527.0	536.2	549.3
45°	579.9	574.3	564.2	563.5	578.4	578.6	552.2	543.7	547.8	555.0	565.3
47.5°	586.3	583.8	578.1	576.8	585.3	583.3	566.8	563.2	567.1	569.1	575.0
50°	602.3	602.3	603.0	604.1	612.8	610.7	599.2	595.1	590.2	583.0	584.8
52.5°	647.0	648.8	656.2	664.4	680.4	687.1	668.3	644.4	621.0	605.3	605.3
55°	727.7	729.5	738.2	752.1	781.4	797.3	753.6	700.9	668.8	647.5	650.3
57.5°	772.1	774.2	792.1	829.7	886.4	913.4	819.6	741.5	696.6	672.2	674.2
58°	769.3	770.6	790.9	834.8	898.0	927.0	824.3	740.2	693.0	668.0	670.6
60°	683.5	681.7	714.0	776.7	865.9	906.0	778.3	675.8	620.8	595.3	596.6
62.5°	446.8	447.8	475.9	541.4	610.7	648.5	543.7	467.4	423.2	407.8	403.9
65°	186.5	183.2	200.4	236.9	278.5	299.6	257.5	217.9	190.6	180.4	183.2
67.5°	48.0	46.8	47.8	59.9	73.2	86.6	72.7	55.5	48.3	48.8	48.8
70°	27.2	25.7	20.8	19.3	18.8	18.8	18.8	18.8	21.6	25.4	26.2
72.5°	20.6	19.3	15.2	13.1	11.6	10.8	11.3	13.1	15.7	19.0	19.5
75°	10.3	10.3	9.2	8.7	7.7	7.2	7.5	8.2	9.5	10.8	10.5
77.5°	2.1	2.3	2.6	3.1	2.6	2.6	2.6	3.1	3.1	3.3	3.1
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)