

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: P629545

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629545  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-830-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

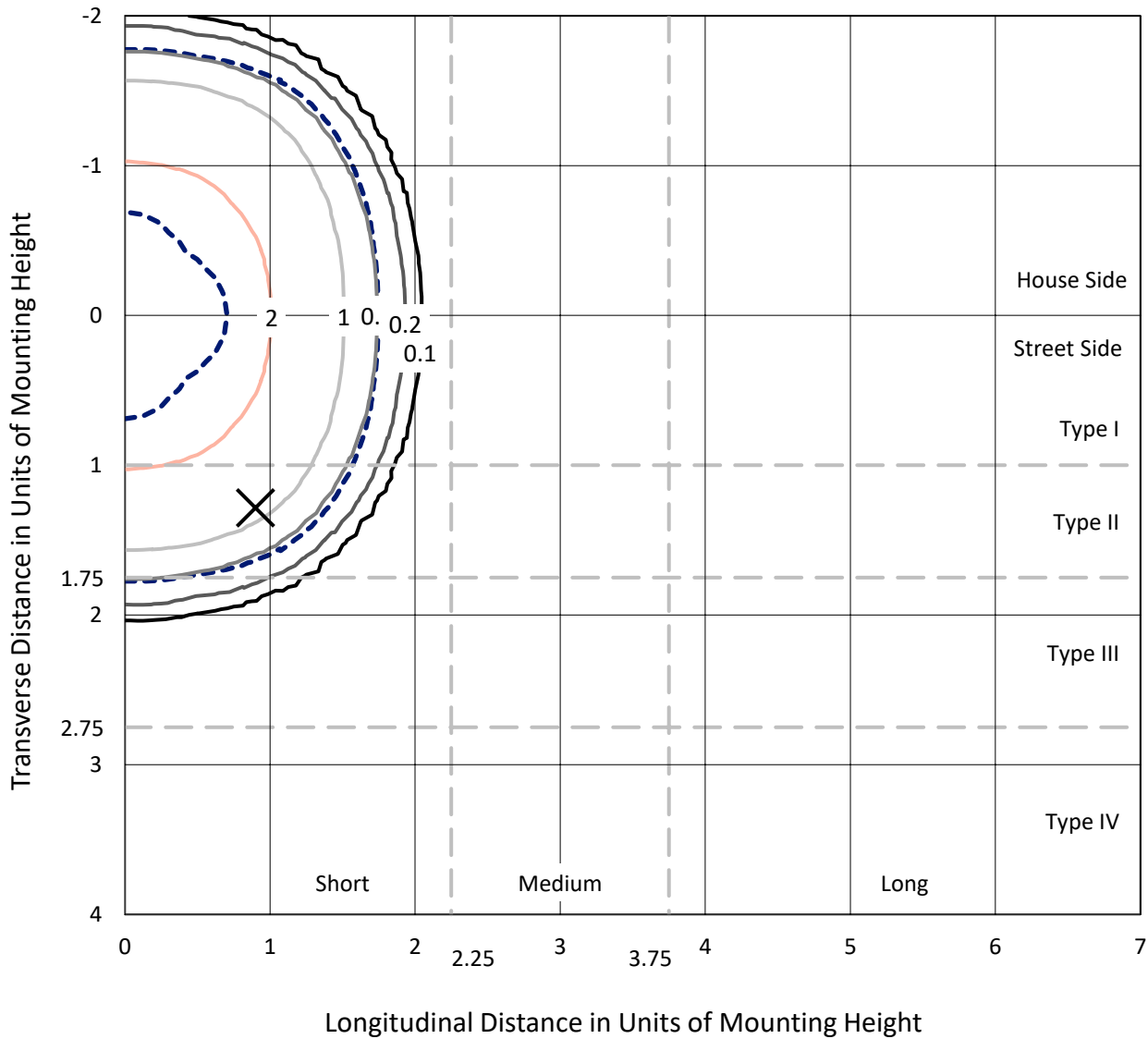
Lumens per Lamp: N/A  
Luminaire Lumens: 1739.5 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

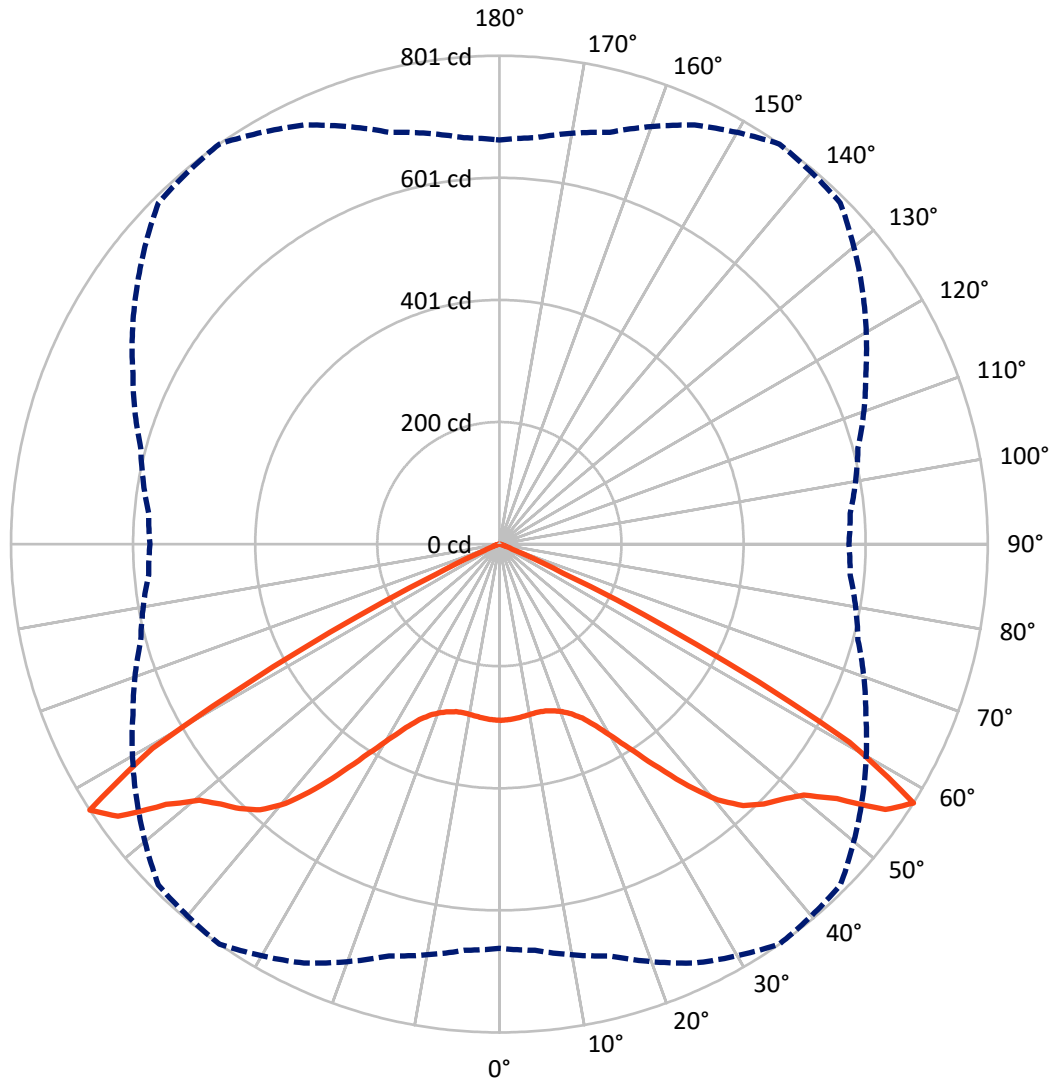
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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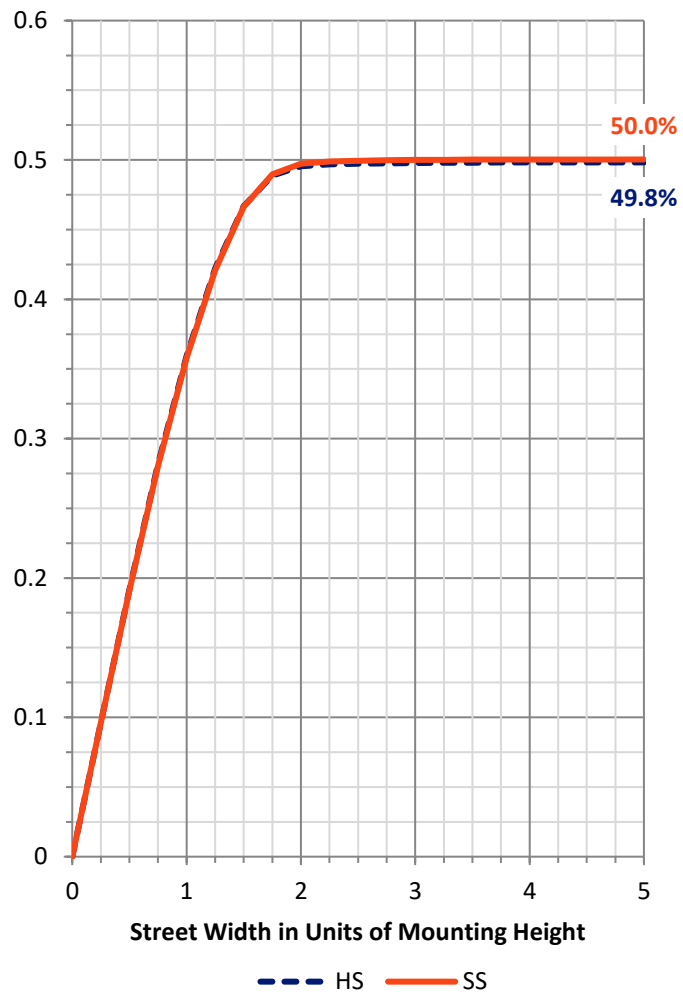
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	869.7	0.0	869.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	869.7	0.0	869.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1739.5	0.0	1739.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.2	1.6
10°-20°	80.2	4.6
20°-30°	144.9	8.3
30°-40°	270.3	15.5
40°-50°	453.4	26.1
50°-60°	598.8	34.4
60°-70°	159.0	9.1
70°-80°	5.6	0.3
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°	1739.5	100.0
0°-180°	1739.5	100.0

**Coefficient of Utilization**



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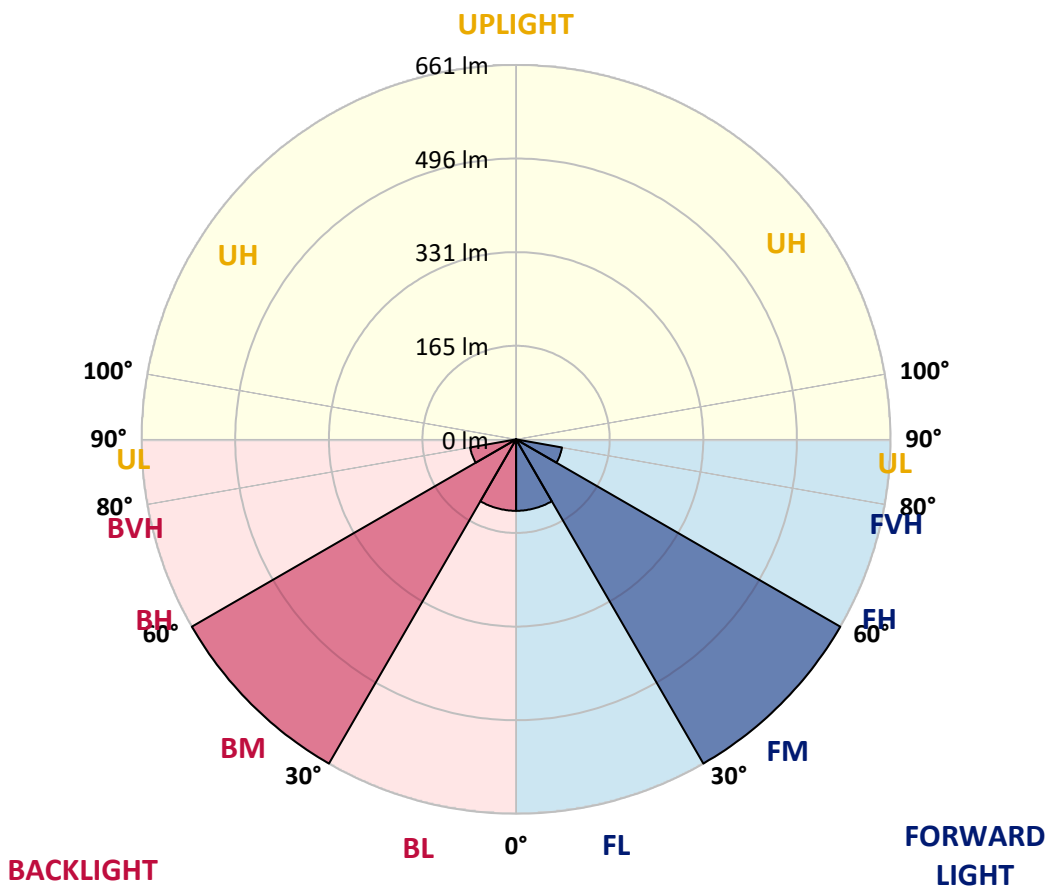
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.1	7.3			
FM (30°-60°)	661.2	38.0			
FH (60°-80°)	82.3	4.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	126.1	7.3	B1/500		
BM (30°-60°)	661.2	38.0	B1/1000		
BH (60°-80°)	82.3	4.7	B0/110		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°	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2	289.2
2.5°	287.2	287.0	287.8	288.4	288.4	289.8	289.4	289.0	288.6	288.0	289.4
5°	286.8	286.6	287.2	287.6	287.2	288.4	287.6	286.8	286.4	285.5	287.2
7.5°	284.9	285.1	285.5	285.9	285.3	286.4	285.3	284.1	283.1	282.3	283.7
10°	282.1	282.3	282.7	283.5	283.7	285.1	283.7	281.5	280.0	278.8	280.2
12.5°	280.6	280.8	281.5	282.5	282.7	284.5	282.7	279.4	277.4	275.9	277.4
15°	281.0	281.5	282.3	283.5	283.9	285.7	283.3	279.0	276.1	274.3	275.5
17.5°	282.5	282.9	284.1	286.1	287.6	289.4	286.4	280.8	277.0	274.3	275.5
20°	284.3	284.9	287.0	290.2	293.3	296.6	292.7	285.1	280.0	276.8	277.8
22.5°	289.4	290.0	292.9	297.2	302.3	306.4	301.7	292.1	285.1	280.8	281.9
25°	299.8	300.4	304.1	309.6	316.1	321.5	315.5	303.5	294.5	289.6	290.0
27.5°	316.1	316.8	321.0	328.8	337.6	345.1	336.6	322.5	312.3	306.6	306.6
30°	336.8	337.6	343.3	353.7	367.4	377.4	365.7	348.6	335.5	327.8	328.0
32.5°	363.3	362.5	370.6	384.9	404.3	417.6	400.4	379.6	363.5	352.7	353.7
35°	397.4	397.2	406.4	425.7	451.1	467.0	446.6	419.6	400.2	389.2	389.4
37.5°	441.3	441.1	451.7	472.7	503.1	516.4	493.5	466.2	445.3	434.7	436.0
40°	492.7	491.5	500.9	521.1	551.5	560.0	535.1	513.1	493.1	486.4	489.6
42.5°	541.7	539.0	544.5	562.9	586.4	587.6	568.8	553.7	540.0	534.7	536.8
45°	581.1	579.0	584.1	594.7	608.2	602.1	593.1	588.4	577.4	571.7	573.5
47.5°	610.5	610.5	616.6	623.1	625.2	613.9	615.4	615.4	604.3	595.4	593.1
50°	635.8	637.6	646.8	653.5	646.8	632.5	640.7	639.0	616.6	598.6	593.9
52.5°	676.2	678.0	692.1	701.3	693.7	679.6	680.7	660.3	627.2	606.0	598.6
55°	719.0	723.5	743.9	768.4	768.6	754.1	727.2	691.1	650.9	627.8	620.3
57.5°	662.9	669.0	699.4	758.4	801.1	791.1	726.8	663.3	609.0	577.6	573.3
60°	456.2	466.8	497.2	577.8	660.1	663.9	588.0	516.8	454.5	415.7	416.6
62.5°	192.7	203.5	220.6	287.0	362.5	367.2	330.4	279.4	228.6	200.6	204.9
65°	45.3	48.4	53.5	79.4	115.1	120.4	111.0	86.5	63.9	54.1	55.1
67.5°	19.8	20.2	19.2	20.4	25.3	25.9	25.1	22.0	20.8	21.2	21.2
70°	13.9	14.1	13.3	12.7	12.0	11.2	11.6	12.9	13.9	14.7	14.5
72.5°	8.6	8.8	9.0	9.0	8.4	7.6	8.0	8.8	9.0	9.2	9.0
75°	4.3	4.5	4.9	5.1	4.9	4.7	4.7	4.9	4.9	4.7	4.7
77.5°	0.8	1.0	1.4	1.6	1.6	1.6	1.6	1.6	1.8	1.6	1.6
80°	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)