

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: P629549

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629549  
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-SA1B-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**

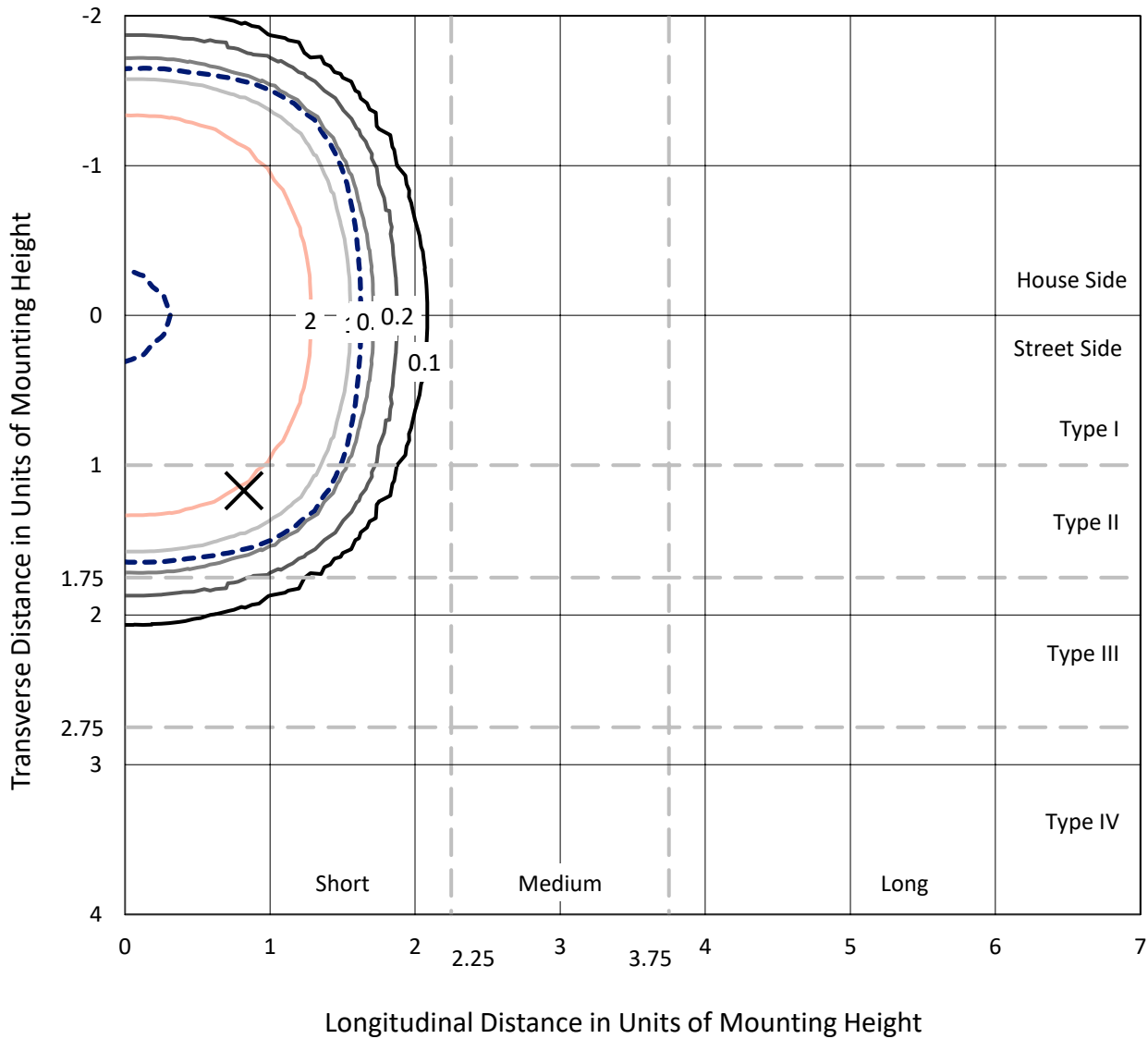
Lumens per Lamp: N/A  
Luminaire Lumens: 2581.1 lumens  
Efficiency: N/A  
Efficacy: 103.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

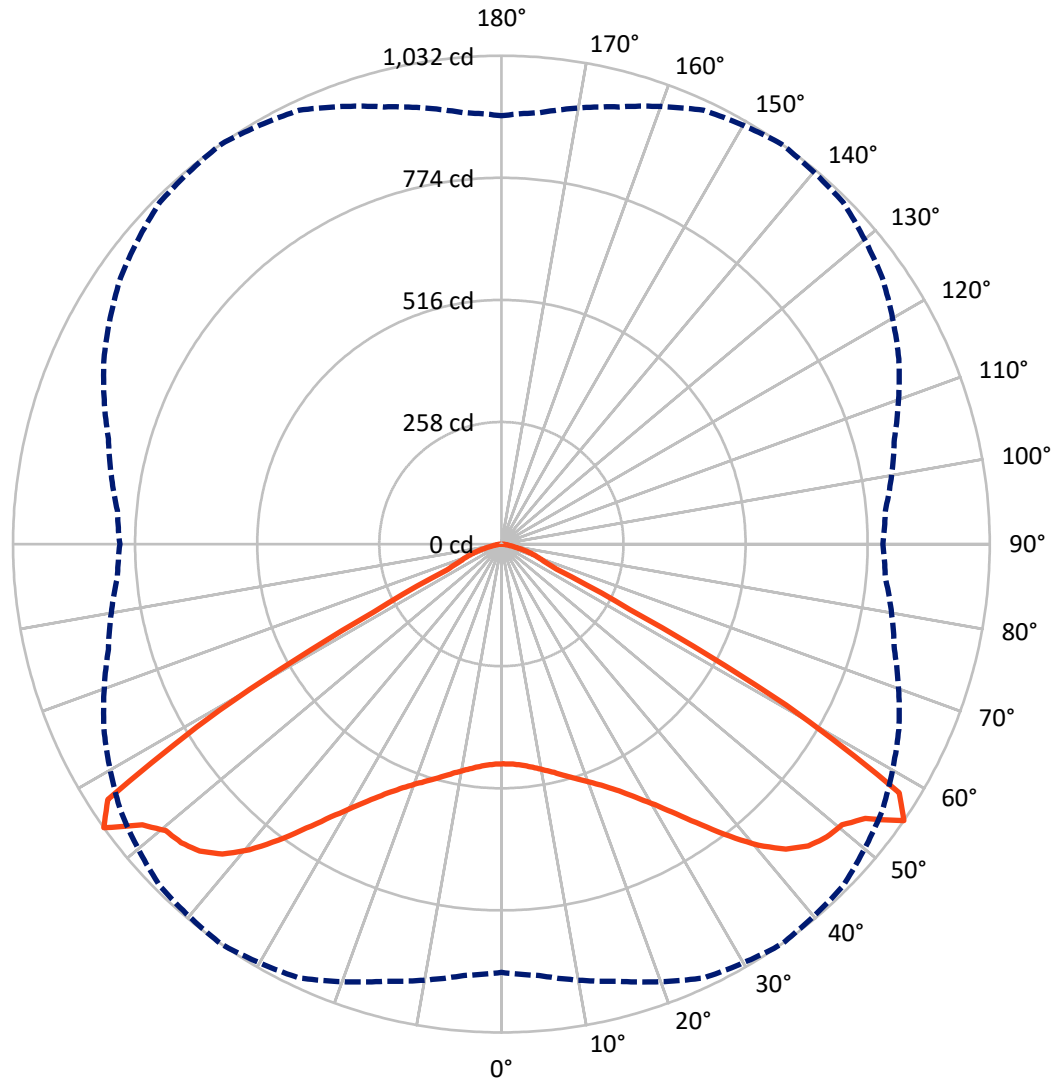
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 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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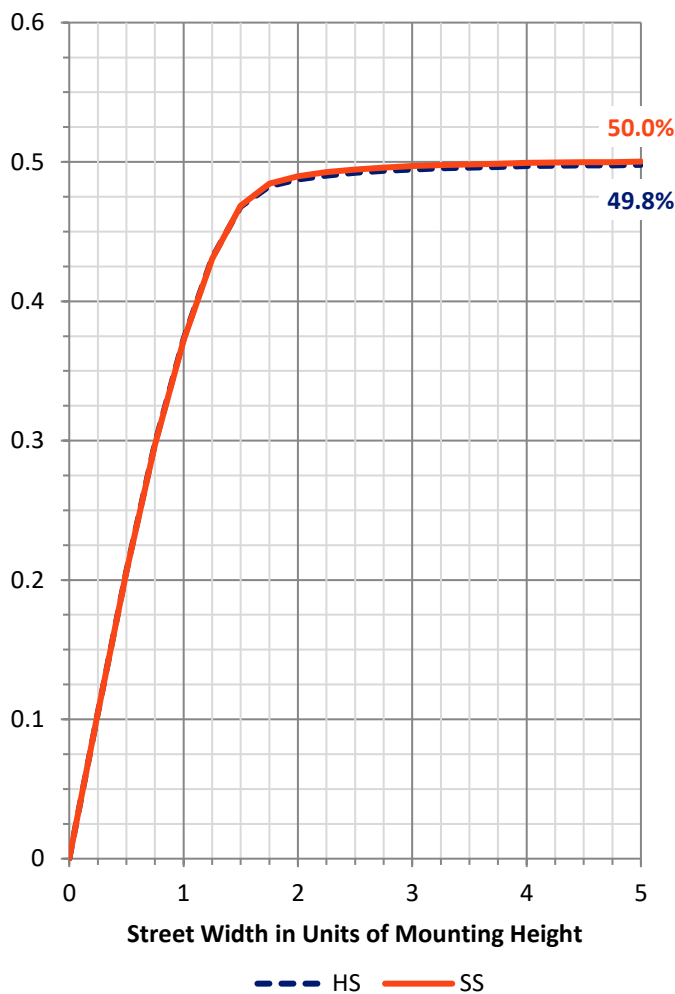
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1290.6	0.0	1290.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1290.6	0.0	1290.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2581.1	0.0	2581.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.3	1.8
10°-20°	144.2	5.6
20°-30°	266.9	10.3
30°-40°	446.4	17.3
40°-50°	680.3	26.4
50°-60°	762.1	29.5
60°-70°	180.3	7.0
70°-80°	48.6	1.9
80°-90°	7.0	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°	2581.1	100.0
0°-180°	2581.1	100.0

**Coefficient of Utilization**



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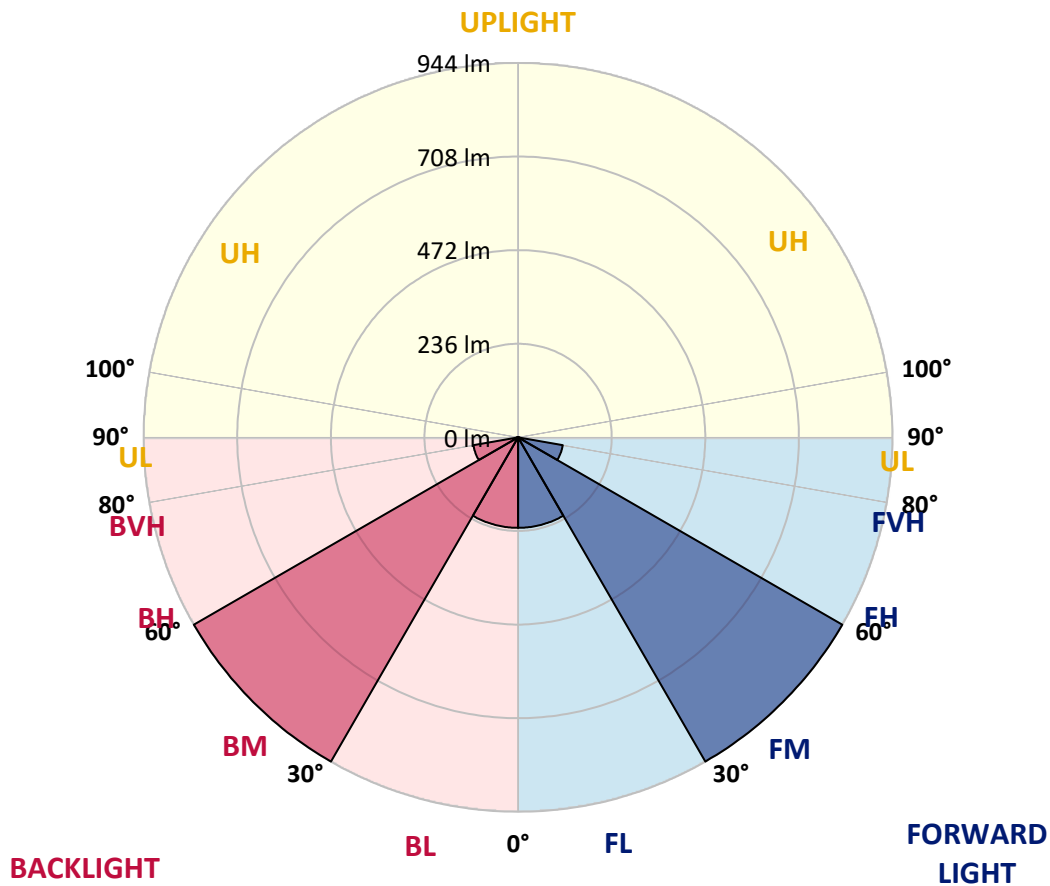
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.2	8.8			
FM (30°-60°)	944.4	36.6			
FH (60°-80°)	114.5	4.4			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	228.2	8.8	B1/500		
BM (30°-60°)	944.4	36.6	B1/1000		
BH (60°-80°)	114.5	4.4	B1/500		G0/660
BVH (80°-90°)	3.5	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°	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3	464.3
2.5°	463.3	463.3	464.1	465.2	465.4	467.4	467.0	466.2	465.8	465.0	466.8
5°	468.4	468.6	469.2	469.9	469.4	471.1	470.5	469.4	468.8	467.8	469.7
7.5°	475.2	475.2	475.8	476.6	476.2	478.6	477.4	476.0	475.0	473.7	475.4
10°	481.3	481.7	482.3	483.9	484.8	487.4	486.6	484.6	482.9	481.5	483.3
12.5°	490.5	490.9	491.5	493.7	495.2	497.8	496.6	493.7	491.3	489.2	491.3
15°	502.3	501.9	503.5	506.4	508.2	510.7	509.3	504.4	501.1	498.4	500.5
17.5°	514.4	514.1	515.8	519.5	522.1	525.4	522.9	517.2	513.7	510.5	512.5
20°	527.4	528.0	529.7	533.1	537.0	541.3	539.3	533.1	529.3	525.6	527.2
22.5°	543.5	543.7	545.6	550.1	555.2	559.3	558.0	550.5	545.6	541.7	543.7
25°	562.9	562.7	565.2	570.5	577.6	581.7	579.1	570.7	565.4	560.9	562.5
27.5°	585.2	585.0	588.6	595.6	605.8	611.5	606.0	595.6	588.2	581.9	583.3
30°	613.1	612.5	616.6	626.0	639.3	648.9	640.7	626.2	616.6	609.9	611.3
32.5°	644.2	645.0	650.1	662.7	679.5	691.9	679.7	663.6	650.7	640.9	642.5
35°	678.3	678.3	688.7	704.4	728.3	744.8	725.8	702.5	685.4	671.9	672.3
37.5°	716.2	716.6	730.3	751.9	783.2	802.6	776.8	748.1	727.2	712.7	711.9
40°	762.5	763.8	777.9	801.9	837.0	854.8	827.3	799.1	777.9	760.7	759.1
42.5°	814.8	815.2	830.1	851.7	881.3	892.0	870.3	847.3	829.9	814.4	812.8
45°	864.6	863.6	876.4	892.6	909.7	910.7	898.7	889.3	874.2	860.9	858.5
47.5°	903.4	902.6	914.2	923.0	925.0	915.0	918.9	920.3	902.8	884.8	880.1
50°	927.1	928.7	939.7	944.6	932.6	916.2	930.9	927.3	902.2	878.7	871.1
52.5°	941.3	943.8	963.0	975.4	963.0	947.5	949.5	927.9	891.7	860.7	850.9
55°	905.2	915.0	956.5	1011.6	1032.0	1021.2	982.4	926.7	859.7	814.6	806.2
57.5°	670.9	686.4	747.9	867.3	991.4	1030.7	917.5	776.8	675.4	617.4	612.5
60°	342.5	359.8	409.0	531.7	691.3	746.8	639.1	497.4	395.4	348.4	343.1
62.5°	139.8	142.7	158.8	206.1	305.6	352.5	309.6	217.4	163.3	150.4	150.6
65°	110.0	110.6	109.8	112.7	128.0	142.1	131.2	115.3	112.5	113.9	112.9
67.5°	95.9	96.1	95.5	95.5	96.1	95.5	96.7	97.4	97.8	99.4	98.4
70°	80.2	80.4	80.4	80.8	80.6	79.6	81.4	82.3	82.5	83.5	82.9
72.5°	62.0	62.7	63.1	63.3	63.1	62.5	63.5	64.9	64.7	65.7	64.7
75°	42.0	42.9	43.3	44.1	43.9	43.9	45.1	45.7	45.1	45.9	45.1
77.5°	23.9	24.5	25.7	26.5	27.4	28.0	28.8	29.2	29.0	29.4	29.0
80°	13.9	14.1	15.1	15.5	16.5	17.6	18.4	18.8	19.0	19.2	19.0
82.5°	8.0	8.2	8.6	9.0	9.8	10.6	11.4	12.0	12.0	12.2	12.0
85°	3.9	3.9	4.1	4.3	4.7	5.3	5.9	6.5	6.7	6.7	6.7
87.5°	0.6	0.6	0.8	0.8	1.0	1.2	1.6	2.0	2.2	2.2	2.2
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)