

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: P629551

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629551  
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-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

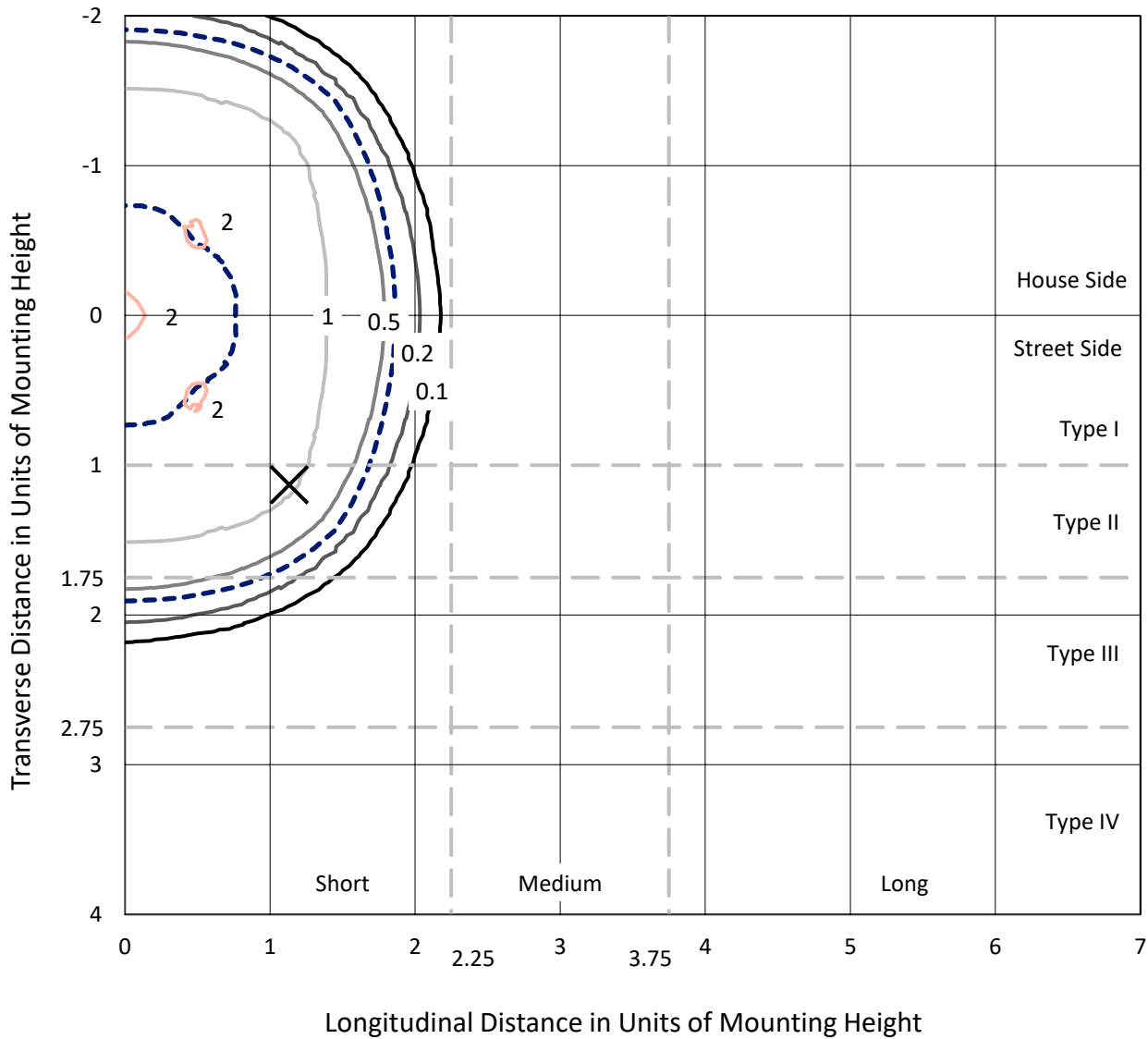
Lumens per Lamp: N/A  
Luminaire Lumens: 1498.3 lumens  
Efficiency: N/A  
Efficacy: 59.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

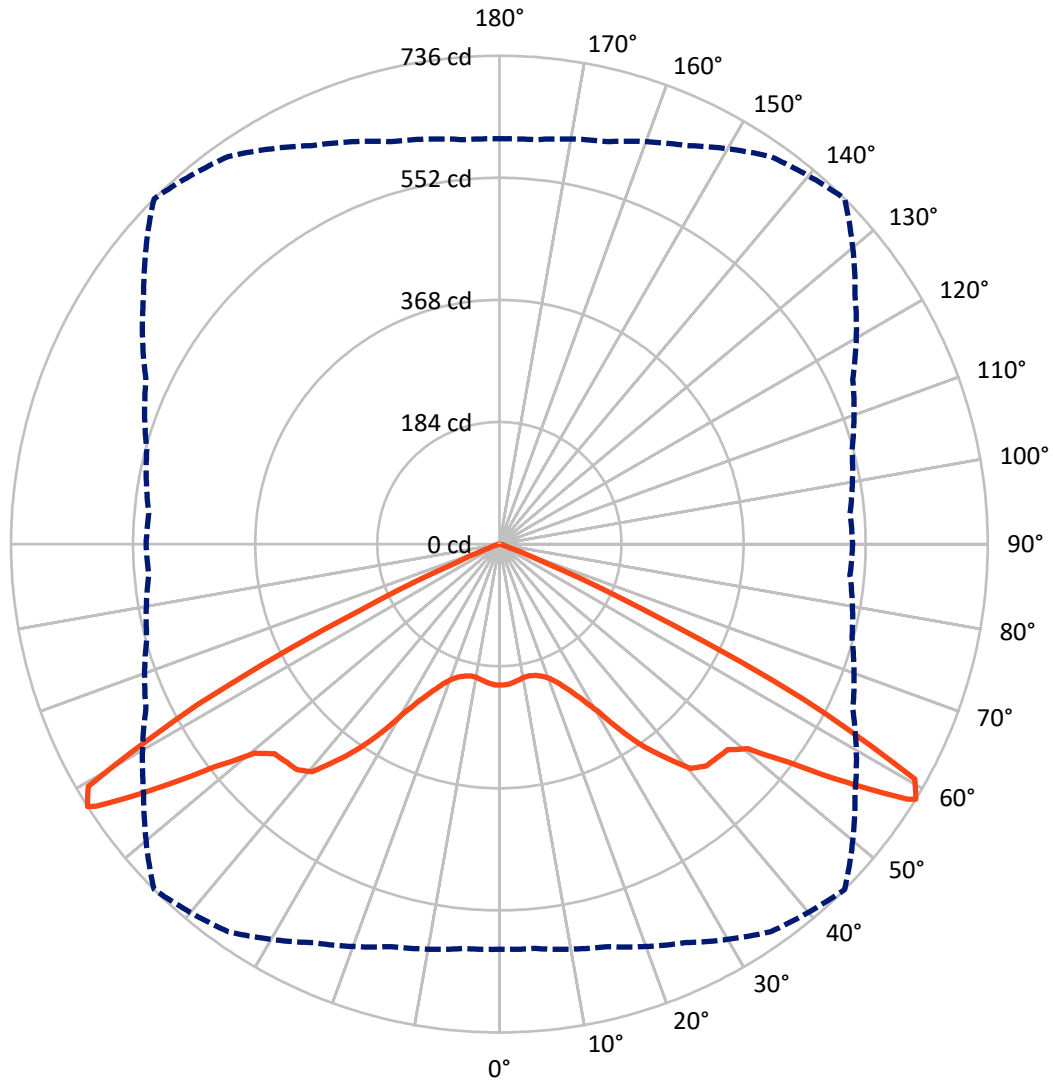
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 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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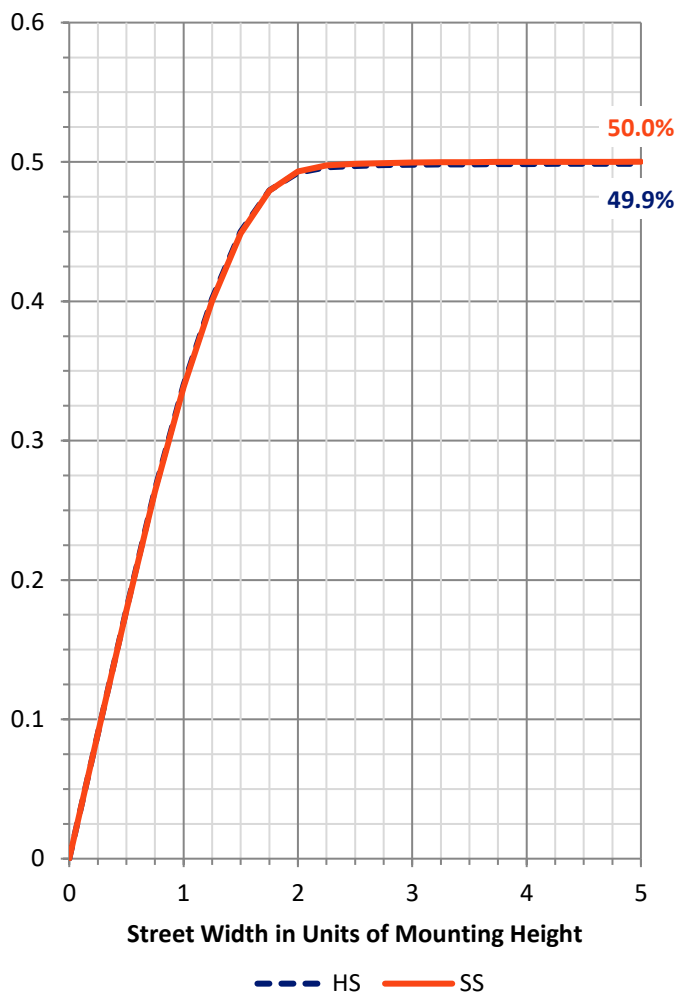
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	749.2	0.0	749.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	749.2	0.0	749.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1498.3	0.0	1498.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.8	1.3
10°-20°	58.7	3.9
20°-30°	110.9	7.4
30°-40°	218.8	14.6
40°-50°	346.2	23.1
50°-60°	509.0	34.0
60°-70°	227.2	15.2
70°-80°	7.6	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°	1498.3	100.0
0°-180°	1498.3	100.0

**Coefficient of Utilization**



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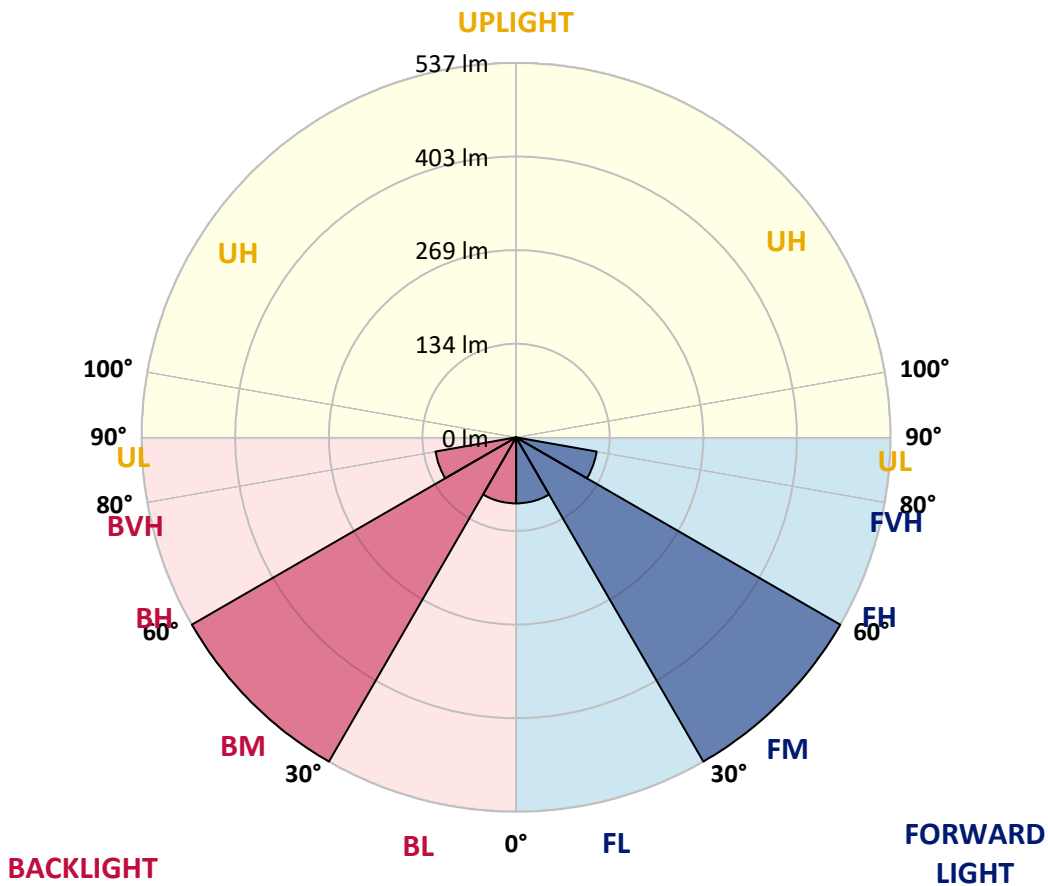
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.7	6.3			
FM (30°-60°)	537.0	35.8			
FH (60°-80°)	117.4	7.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	94.7	6.3	B0/110		
BM (30°-60°)	537.0	35.8	B1/1000		
BH (60°-80°)	117.4	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°	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5
2.5°	210.4	210.8	211.3	211.5	211.7	212.3	212.5	211.9	211.9	210.6	212.1
5°	209.4	209.8	210.2	210.0	210.0	210.0	209.8	209.0	208.8	207.6	209.0
7.5°	207.6	208.0	208.0	207.4	207.0	207.0	206.8	205.7	205.5	204.3	205.7
10°	206.2	206.4	206.2	204.9	204.1	204.1	203.9	203.5	203.7	202.9	204.1
12.5°	207.0	207.2	206.4	204.7	203.7	203.5	202.9	202.3	202.9	202.7	203.9
15°	209.6	209.8	208.4	206.4	205.5	205.5	203.9	202.3	203.1	203.3	204.7
17.5°	212.9	212.9	211.1	209.2	209.4	209.4	206.8	203.9	204.1	204.9	206.4
20°	216.8	216.8	214.9	214.5	215.9	216.2	212.9	208.4	207.4	208.0	209.6
22.5°	223.7	223.7	222.3	223.3	226.6	227.6	222.7	216.4	213.9	214.3	215.9
25°	234.5	234.5	234.1	236.6	241.3	243.5	237.0	228.6	224.5	223.9	225.7
27.5°	252.7	252.9	252.3	256.0	261.9	264.5	255.5	244.5	239.6	238.6	240.4
30°	276.2	276.2	276.4	281.5	289.2	292.7	280.9	268.0	262.3	259.0	261.5
32.5°	302.3	302.7	304.7	313.3	327.0	334.1	316.8	298.8	289.6	286.2	288.8
35°	345.4	341.5	339.0	345.4	365.2	374.5	352.3	331.3	324.3	323.9	330.7
37.5°	388.0	385.8	380.7	387.2	405.0	409.2	384.7	367.2	362.3	364.9	371.7
40°	421.9	417.8	411.1	417.2	440.5	444.8	414.5	397.2	395.4	401.3	410.5
42.5°	448.6	442.9	433.9	435.4	454.1	457.2	430.5	417.4	418.6	426.0	436.4
45°	460.7	456.2	448.2	447.6	459.5	459.7	438.6	431.9	435.2	440.9	449.0
47.5°	465.8	463.7	459.2	458.2	465.0	463.3	450.3	447.4	450.5	452.1	456.8
50°	478.4	478.4	479.0	479.9	486.8	485.2	476.0	472.7	468.8	463.1	464.6
52.5°	513.9	515.4	521.3	527.8	540.5	545.8	530.9	511.9	493.3	480.9	480.9
55°	578.0	579.5	586.4	597.4	620.7	633.4	598.7	556.8	531.3	514.4	516.6
57.5°	613.4	615.0	629.3	659.1	704.2	725.6	651.1	589.1	553.3	534.0	535.6
58°	611.1	612.1	628.3	663.2	713.4	736.4	654.8	588.0	550.5	530.7	532.7
60°	542.9	541.5	567.2	617.0	687.9	719.7	618.3	536.8	493.1	472.9	473.9
62.5°	354.9	355.8	378.0	430.1	485.2	515.2	431.9	371.3	336.2	323.9	320.9
65°	148.2	145.5	159.2	188.2	221.3	238.0	204.5	173.1	151.4	143.3	145.5
67.5°	38.2	37.1	38.0	47.6	58.2	68.8	57.8	44.1	38.4	38.8	38.8
70°	21.6	20.4	16.5	15.3	14.9	14.9	14.9	14.9	17.1	20.2	20.8
72.5°	16.3	15.3	12.0	10.4	9.2	8.6	9.0	10.4	12.5	15.1	15.5
75°	8.2	8.2	7.3	6.9	6.1	5.7	5.9	6.5	7.6	8.6	8.4
77.5°	1.6	1.8	2.0	2.4	2.0	2.0	2.0	2.4	2.4	2.7	2.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.2	0.2	0.0	0.0	0.0	0.0	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	0.0	0.2	0.2
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)