

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: P629055

Luminaire Tested: GWS-SA1A-830-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629055  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-830-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

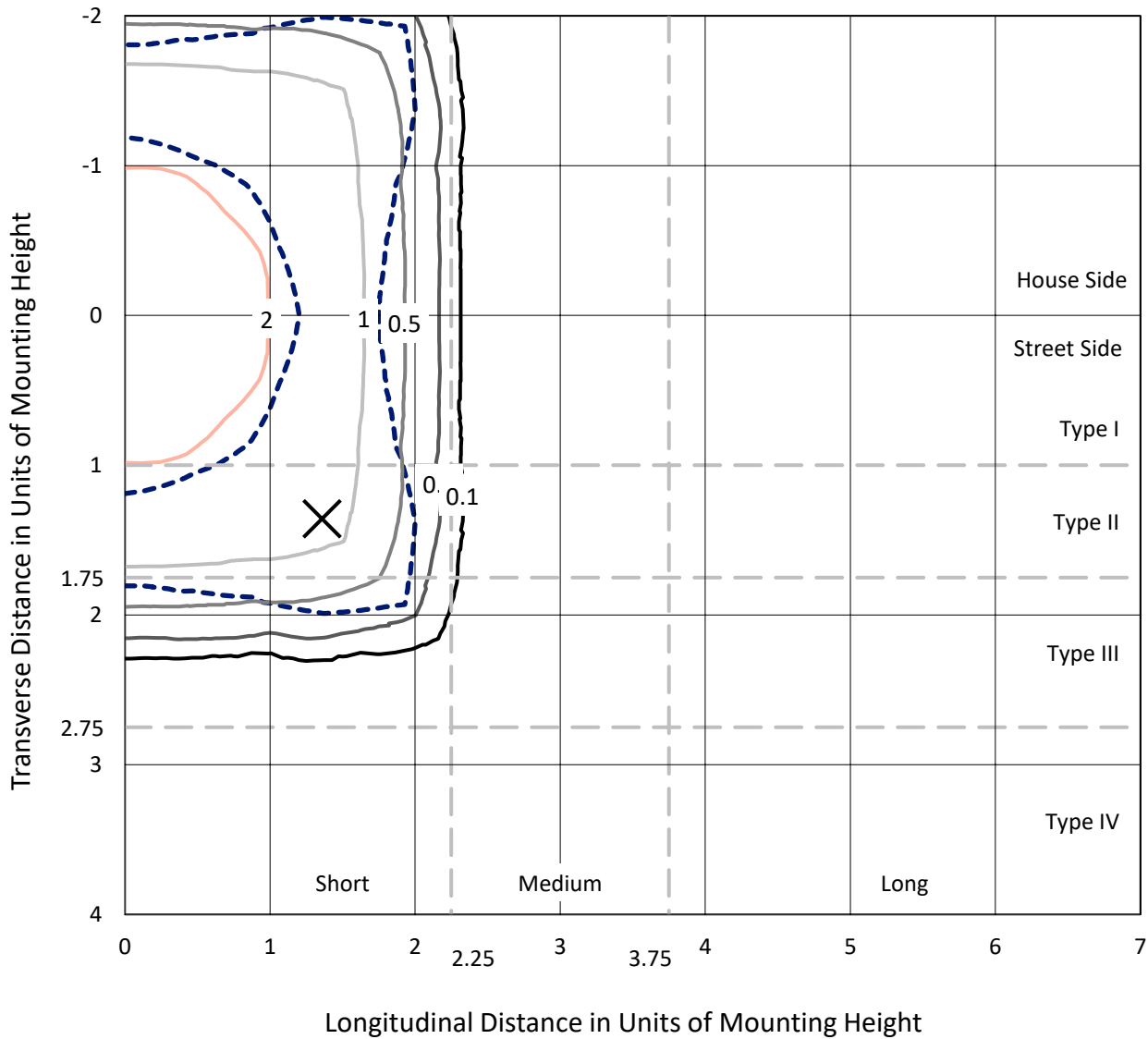
Lumens per Lamp: N/A  
Luminaire Lumens: 2361.2 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

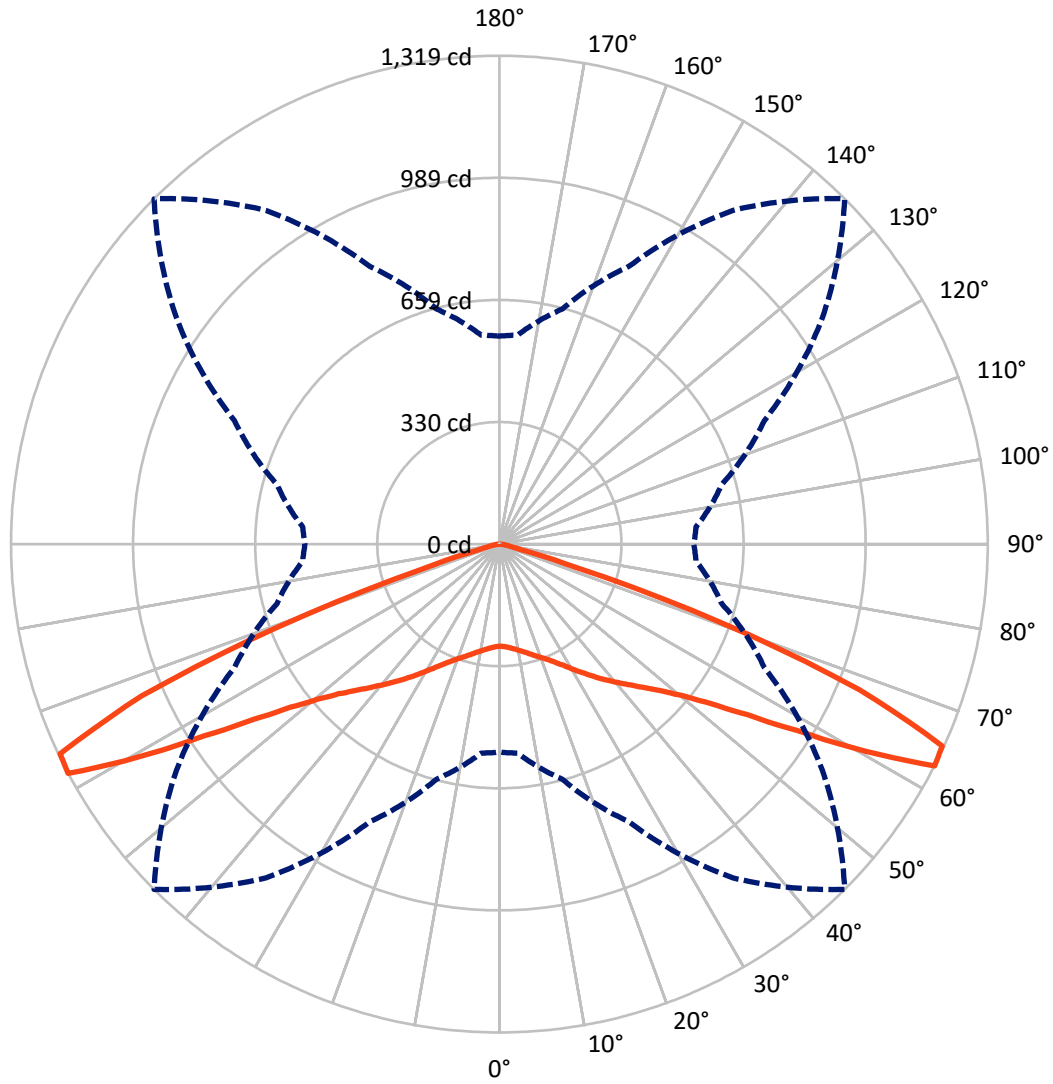
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - N/A

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CATALOG NUMBER: GWS-SA1A-830-U-5NQ-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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CATALOG NUMBER: GWS-SA1A-830-U-5NQ-W

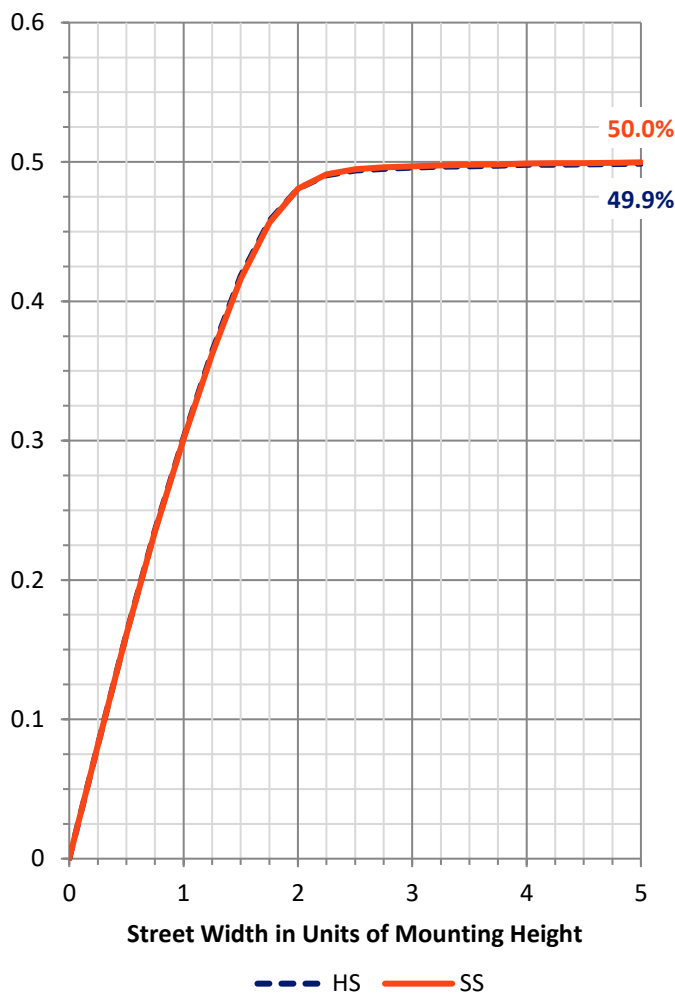
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1180.6	0.0	1180.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1180.6	0.0	1180.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2361.2	0.0	2361.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.0	1.1
10°-20°	87.2	3.7
20°-30°	164.9	7.0
30°-40°	277.5	11.8
40°-50°	443.4	18.8
50°-60°	714.8	30.3
60°-70°	583.2	24.7
70°-80°	56.6	2.4
80°-90°	6.6	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°	2361.2	100.0
0°-180°	2361.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629055

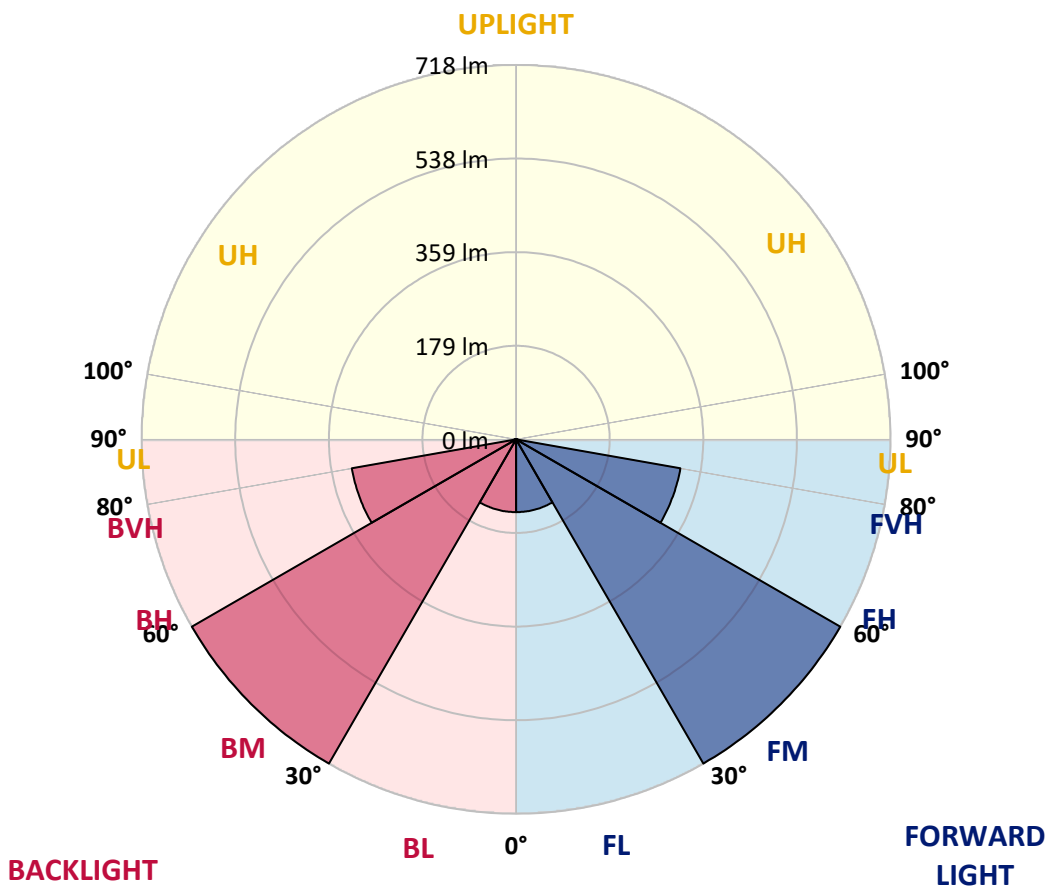
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.5	5.9			
FM (30°-60°)	717.9	30.4			
FH (60°-80°)	319.9	13.5			G0/660
FVH (80°-90°)	3.3	0.1			G0/10
BL (0°-30°)	139.5	5.9	B1/500		
BM (30°-60°)	717.9	30.4	B1/1000		
BH (60°-80°)	319.9	13.5	B1/500		G0/660
BVH (80°-90°)	3.3	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°	275.5	275.5	275.5	275.5	275.5	275.5	275.5	275.5	275.5	275.5	275.5
2.5°	275.1	275.1	275.8	276.3	276.0	277.2	277.1	276.8	276.6	276.1	277.6
5°	278.9	278.9	279.4	279.8	279.0	280.6	280.0	279.7	279.5	278.9	280.2
7.5°	283.1	283.6	283.7	284.5	284.0	285.8	285.3	284.7	284.4	283.6	284.7
10°	287.8	288.1	288.3	289.7	289.9	292.0	291.5	290.7	290.0	289.2	290.9
12.5°	294.1	294.3	294.7	296.5	297.0	298.6	298.5	297.3	296.5	295.4	297.2
15°	302.2	302.3	303.2	304.9	305.7	307.7	307.0	305.3	304.1	302.8	304.3
17.5°	310.6	311.3	312.1	313.8	315.0	317.2	316.4	314.5	313.5	312.2	313.2
20°	321.5	321.6	322.1	324.0	324.9	327.4	327.6	325.7	325.2	323.9	325.3
22.5°	333.4	333.6	334.1	336.2	337.7	339.3	340.2	339.1	338.3	336.7	338.5
25°	346.7	348.3	348.8	351.4	353.0	354.0	355.1	354.7	353.5	351.6	352.4
27.5°	365.3	365.7	366.5	369.4	370.4	371.3	372.5	372.6	371.0	368.7	369.9
30°	386.6	386.4	388.2	390.4	391.3	392.1	393.7	394.7	392.6	390.1	391.3
32.5°	408.3	410.2	412.5	414.6	414.1	414.4	417.0	418.8	415.9	411.5	412.5
35°	432.7	434.0	436.9	440.0	439.4	438.9	440.5	442.3	438.2	432.6	434.0
37.5°	457.8	459.8	464.1	467.9	466.9	464.6	466.4	468.3	464.5	458.0	457.3
40°	485.8	488.9	495.2	498.3	495.7	491.3	494.4	499.1	495.2	487.8	486.0
42.5°	518.7	522.4	528.7	533.4	527.8	520.6	525.8	532.6	531.7	521.8	518.7
45°	559.4	561.8	569.6	571.8	563.4	553.5	562.9	573.3	570.9	560.2	556.1
47.5°	603.6	607.3	614.1	618.3	604.7	592.4	605.5	619.4	616.8	606.8	602.1
50°	659.9	664.8	673.7	677.2	658.5	644.4	661.2	678.9	673.8	660.4	654.3
52.5°	721.3	725.2	740.4	747.5	729.9	714.7	729.4	746.7	736.0	718.2	710.0
55°	775.4	779.3	801.6	825.3	824.5	813.9	821.4	821.7	792.7	763.2	754.5
57.5°	787.0	790.9	833.5	895.4	939.1	951.3	929.4	883.4	810.4	758.7	748.8
60°	724.9	729.2	796.9	910.0	1053.8	1134.9	1034.2	882.1	755.8	685.8	676.4
62.5°	561.6	566.3	657.3	827.0	1100.1	1318.7	1064.6	789.3	621.7	533.1	524.9
65°	268.2	268.2	383.8	593.2	1007.8	1314.3	976.5	584.0	374.3	287.4	280.3
67.5°	66.4	66.7	98.8	230.9	685.5	1048.9	696.7	280.3	131.8	93.3	90.9
70°	41.5	41.3	45.8	62.5	239.8	636.6	284.9	84.5	53.6	47.3	47.0
72.5°	32.2	32.2	34.5	40.0	62.8	216.8	83.1	47.0	38.9	35.0	35.0
75°	25.4	25.4	27.0	30.0	37.1	55.9	44.2	34.8	30.1	27.5	27.2
77.5°	18.9	19.3	20.6	22.5	25.3	31.4	28.0	26.2	23.5	21.5	20.9
80°	12.3	12.8	14.4	15.5	16.5	20.7	18.3	19.1	17.8	15.5	15.2
82.5°	6.6	6.8	8.7	9.1	9.4	11.3	11.7	12.1	12.6	9.9	9.2
85°	2.4	2.4	2.9	3.4	3.7	4.0	5.5	6.8	7.1	5.7	5.5
87.5°	0.5	0.5	0.5	0.3	0.3	0.3	1.0	1.8	2.9	2.3	2.3
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)