

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: P643903

Luminaire Tested: GWS-SA6F-830-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643903  
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-SAGF-830-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

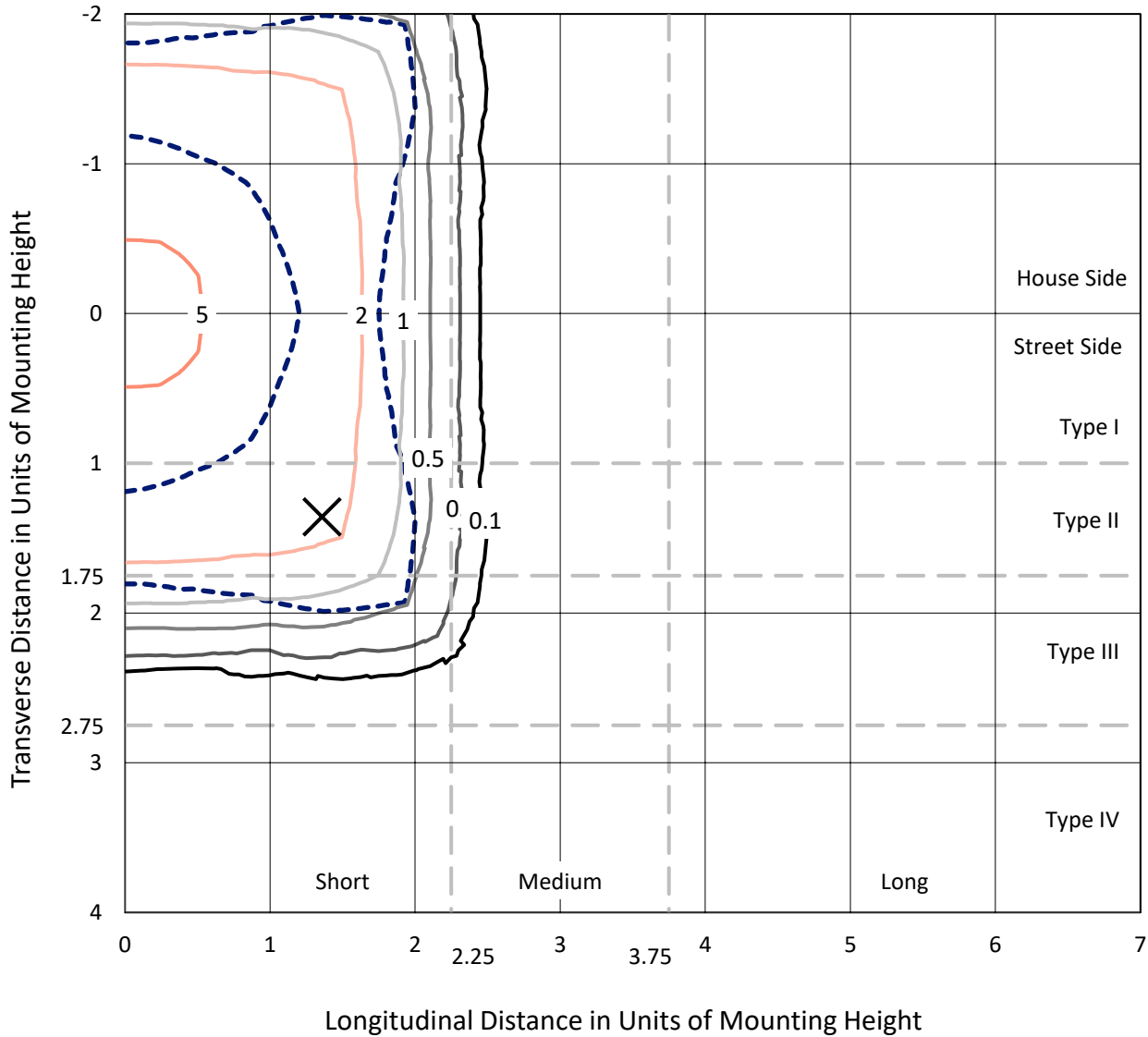
Lumens per Lamp: N/A  
Luminaire Lumens: 41323.8 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

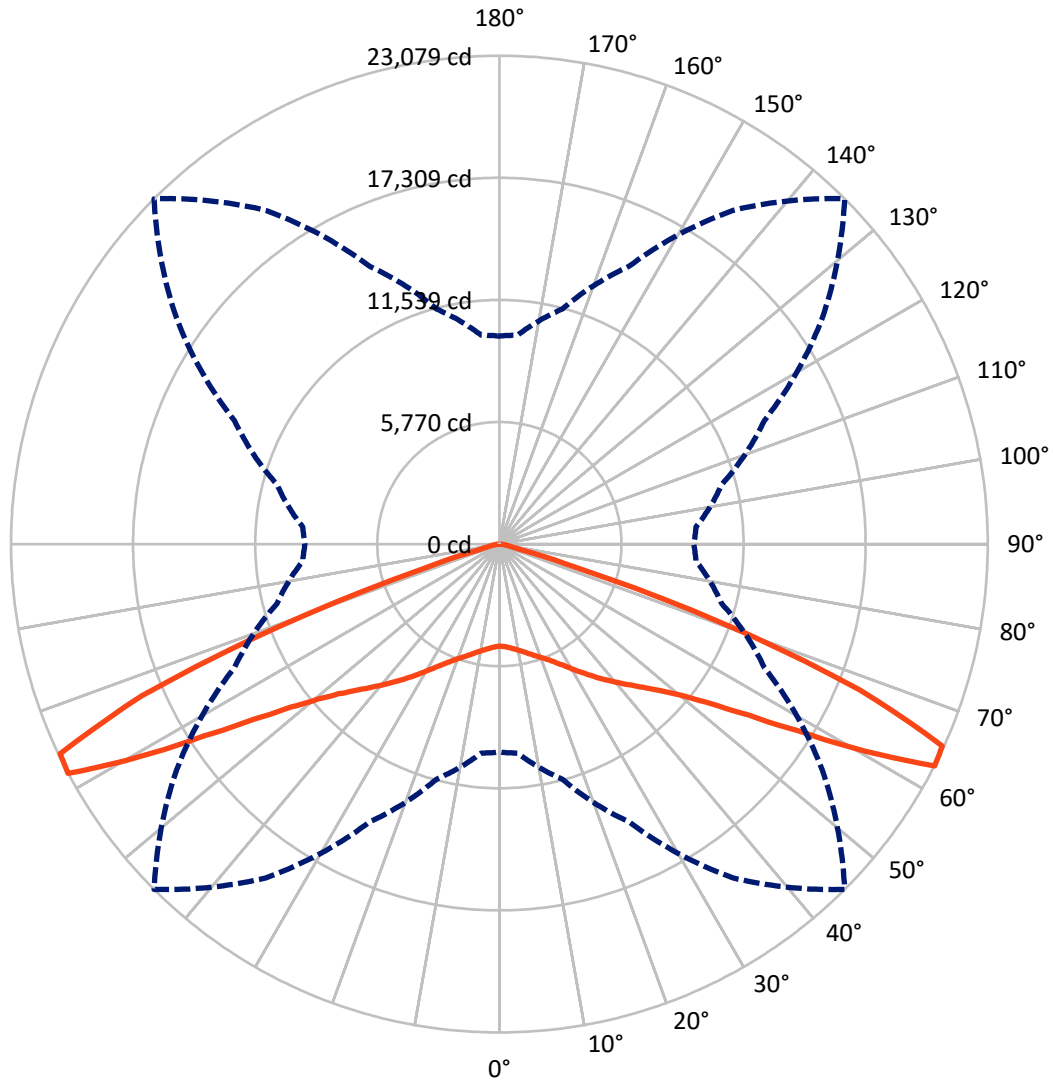
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20661.9	0.0	20661.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20661.9	0.0	20661.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41323.8	0.0	41323.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	473.0	1.1
10°-20°	1525.4	3.7
20°-30°	2885.8	7.0
30°-40°	4857.2	11.8
40°-50°	7760.4	18.8
50°-60°	12509.4	30.3
60°-70°	10206.2	24.7
70°-80°	991.1	2.4
80°-90°	115.3	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°	41323.8	100.0
0°-180°	41323.8	100.0

**Coefficient of Utilization**



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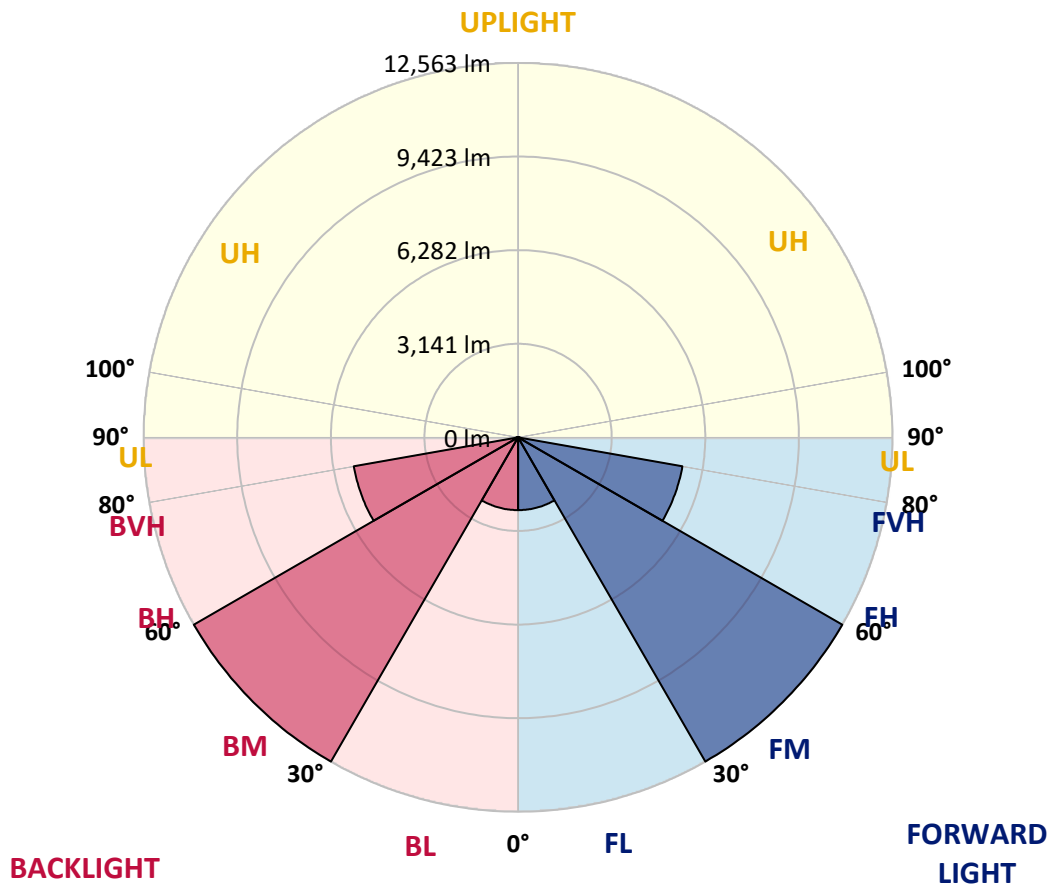
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2442.1	5.9			
FM (30°-60°)	12563.5	30.4			
FH (60°-80°)	5598.7	13.5			G3/7500
FVH (80°-90°)	57.7	0.1			G1/100
BL (0°-30°)	2442.1	5.9	B3/2500		
BM (30°-60°)	12563.5	30.4	B5		
BH (60°-80°)	5598.7	13.5	B5		G3/7500
BVH (80°-90°)	57.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4821.0	4821.0	4821.0	4821.0	4821.0	4821.0	4821.0	4821.0	4821.0	4821.0	4821.0
2.5°	4815.3	4815.3	4826.6	4835.1	4829.5	4852.2	4849.3	4843.7	4840.8	4832.3	4857.8
5°	4880.5	4880.5	4889.0	4897.5	4883.3	4911.7	4900.3	4894.7	4891.8	4880.5	4903.2
7.5°	4954.2	4962.7	4965.5	4979.7	4971.2	5002.4	4993.9	4982.5	4976.9	4962.7	4982.5
10°	5036.4	5042.0	5044.9	5070.4	5073.2	5110.1	5101.6	5087.4	5076.1	5061.9	5090.2
12.5°	5146.9	5149.7	5158.2	5189.4	5197.9	5226.3	5223.4	5203.6	5189.4	5169.6	5200.8
15°	5288.6	5291.5	5305.6	5336.8	5351.0	5385.0	5373.6	5342.5	5322.6	5300.0	5325.5
17.5°	5436.0	5447.3	5461.5	5492.7	5512.5	5552.2	5538.0	5504.0	5487.0	5464.3	5481.3
20°	5625.9	5628.7	5637.2	5671.2	5685.4	5730.8	5733.6	5699.6	5691.1	5668.4	5693.9
22.5°	5835.6	5838.5	5847.0	5883.8	5909.3	5937.7	5954.7	5934.8	5920.6	5892.3	5923.5
25°	6068.0	6096.4	6104.9	6150.2	6178.6	6195.6	6215.4	6206.9	6187.1	6153.1	6167.2
27.5°	6394.0	6399.6	6413.8	6464.8	6481.8	6498.8	6518.7	6521.5	6493.2	6453.5	6473.3
30°	6765.2	6762.4	6793.6	6833.3	6847.4	6861.6	6889.9	6907.0	6870.1	6827.6	6847.4
32.5°	7145.0	7179.0	7218.7	7255.6	7247.1	7252.7	7298.1	7329.2	7278.2	7201.7	7218.7
35°	7573.0	7595.7	7646.7	7700.5	7689.2	7680.7	7709.0	7740.2	7669.4	7570.2	7595.7
37.5°	8012.3	8046.3	8122.8	8188.0	8171.0	8131.3	8162.5	8196.5	8128.5	8015.1	8003.8
40°	8502.6	8556.5	8667.0	8720.8	8675.5	8599.0	8652.8	8735.0	8667.0	8536.6	8505.4
42.5°	9078.0	9143.1	9253.7	9335.9	9236.7	9112.0	9202.7	9321.7	9304.7	9131.8	9078.0
45°	9789.3	9831.8	9967.9	10007.6	9860.2	9687.3	9851.7	10033.1	9990.6	9803.5	9732.7
47.5°	10563.1	10628.3	10747.3	10821.0	10582.9	10367.5	10597.1	10840.8	10795.5	10619.8	10537.6
50°	11549.4	11634.4	11790.3	11852.6	11523.9	11277.3	11572.0	11881.0	11793.1	11557.9	11450.2
52.5°	12623.5	12691.6	12958.0	13082.7	12773.8	12507.3	12765.2	13068.5	12881.5	12569.7	12425.1
55°	13570.2	13638.2	14029.3	14443.1	14428.9	14244.7	14375.1	14380.7	13873.4	13357.6	13204.5
57.5°	13774.2	13842.2	14587.6	15670.3	16435.5	16648.1	16265.5	15460.6	14182.3	13278.2	13105.4
60°	12685.9	12762.4	13947.1	15925.4	18442.2	19862.1	18099.2	15437.9	13227.2	12002.8	11838.5
62.5°	9829.0	9911.2	11504.0	14474.3	19252.7	23078.9	18632.0	13813.9	10880.5	9330.2	9185.7
65°	4693.4	4693.4	6717.1	10381.7	17637.2	23002.4	17090.2	10220.1	6549.8	5030.7	4906.0
67.5°	1162.0	1167.7	1728.9	4041.6	11997.2	18357.1	12192.7	4906.0	2307.0	1632.5	1590.0
70°	725.6	722.7	802.1	1094.0	4197.5	11141.3	4985.4	1479.5	938.1	827.6	821.9
72.5°	564.0	564.0	603.7	700.0	1099.7	3795.0	1453.9	821.9	680.2	612.2	612.2
75°	445.0	445.0	473.3	524.3	649.0	977.8	773.7	609.4	527.2	481.8	476.1
77.5°	331.6	337.3	359.9	394.0	442.1	549.8	490.3	459.1	411.0	376.9	365.6
80°	215.4	223.9	252.2	272.1	289.1	362.8	320.3	334.4	311.8	272.1	266.4
82.5°	116.2	119.0	153.0	158.7	164.4	198.4	204.1	212.6	221.1	172.9	161.5
85°	42.5	42.5	51.0	59.5	65.2	70.9	96.4	119.0	124.7	99.2	96.4
87.5°	8.5	8.5	8.5	5.7	5.7	5.7	17.0	31.2	51.0	39.7	39.7
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)