

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: P642912

Luminaire Tested: GWS-SA6D-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642912  
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-SA6D-830-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

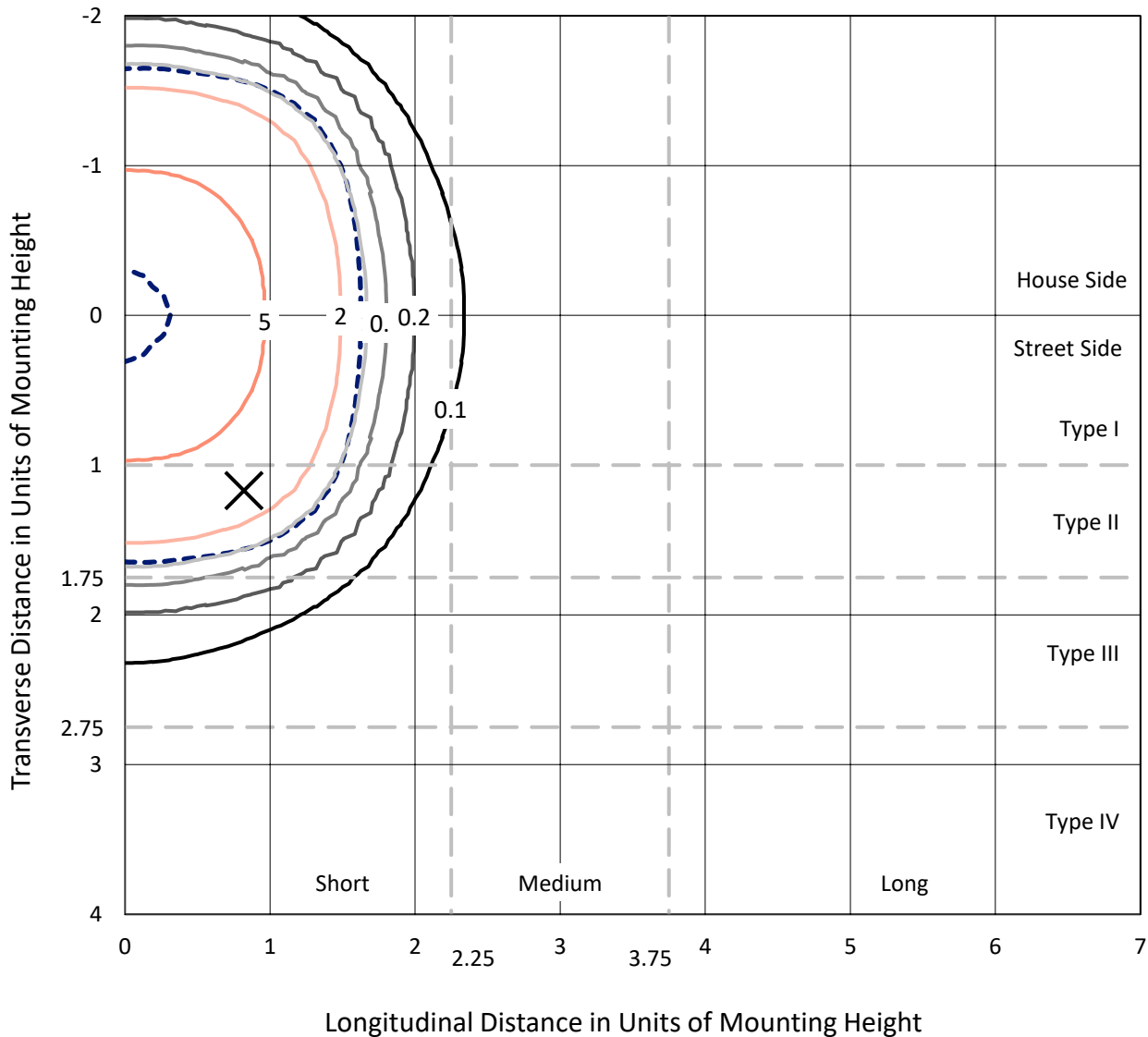
Lumens per Lamp: N/A  
Luminaire Lumens: 25797.2 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P642912  
 CATALOG NUMBER: GWS-SA6D-830-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

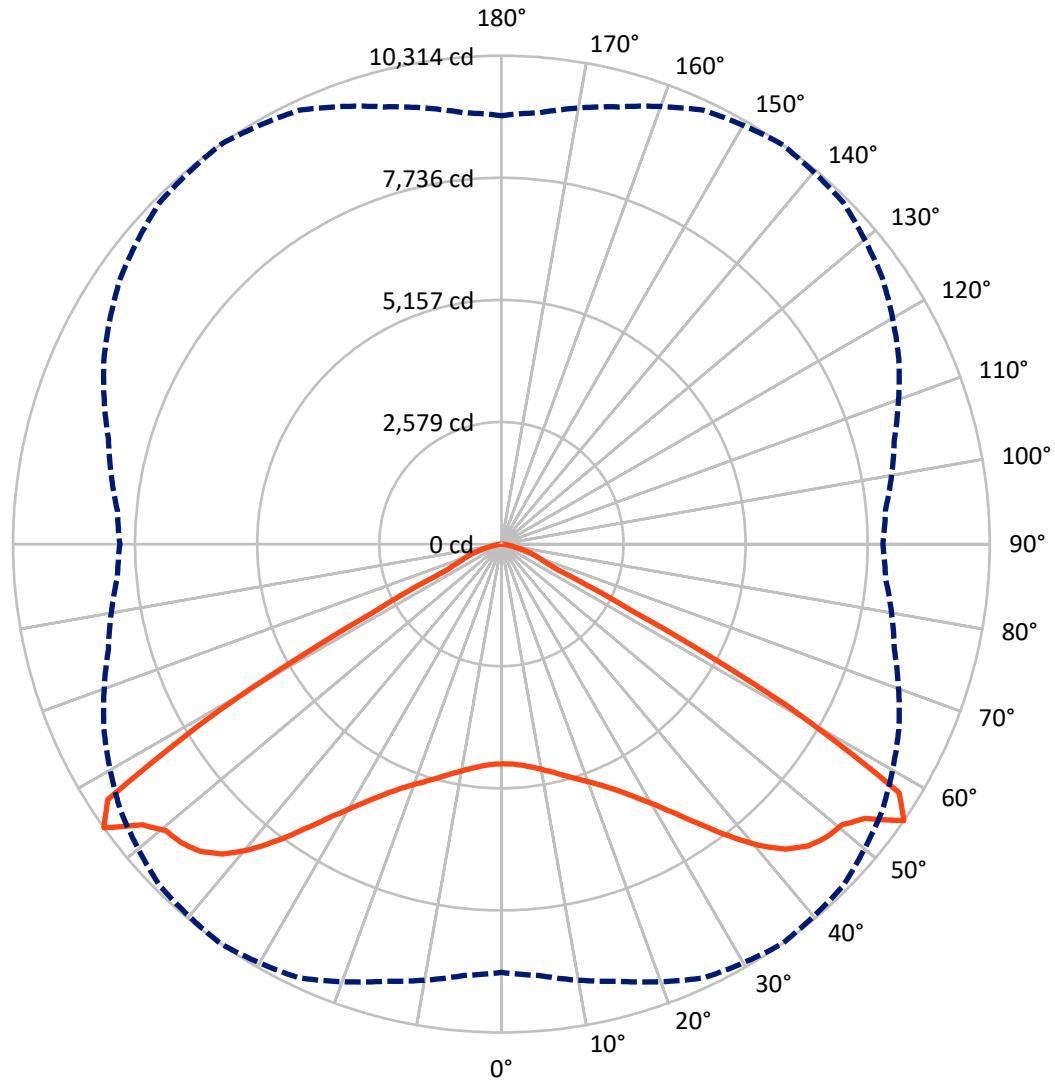
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P642912  
CATALOG NUMBER: GWS-SA6D-830-U-5NQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P642912

CATALOG NUMBER: GWS-SA6D-830-U-5NQ-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12898.6	0.0	12898.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12898.6	0.0	12898.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25797.2	0.0	25797.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.7	1.8
10°-20°	1441.2	5.6
20°-30°	2667.4	10.3
30°-40°	4462.0	17.3
40°-50°	6799.3	26.4
50°-60°	7616.7	29.5
60°-70°	1802.2	7.0
70°-80°	485.9	1.9
80°-90°	69.9	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°	25797.2	100.0
0°-180°	25797.2	100.0

**Coefficient of Utilization**



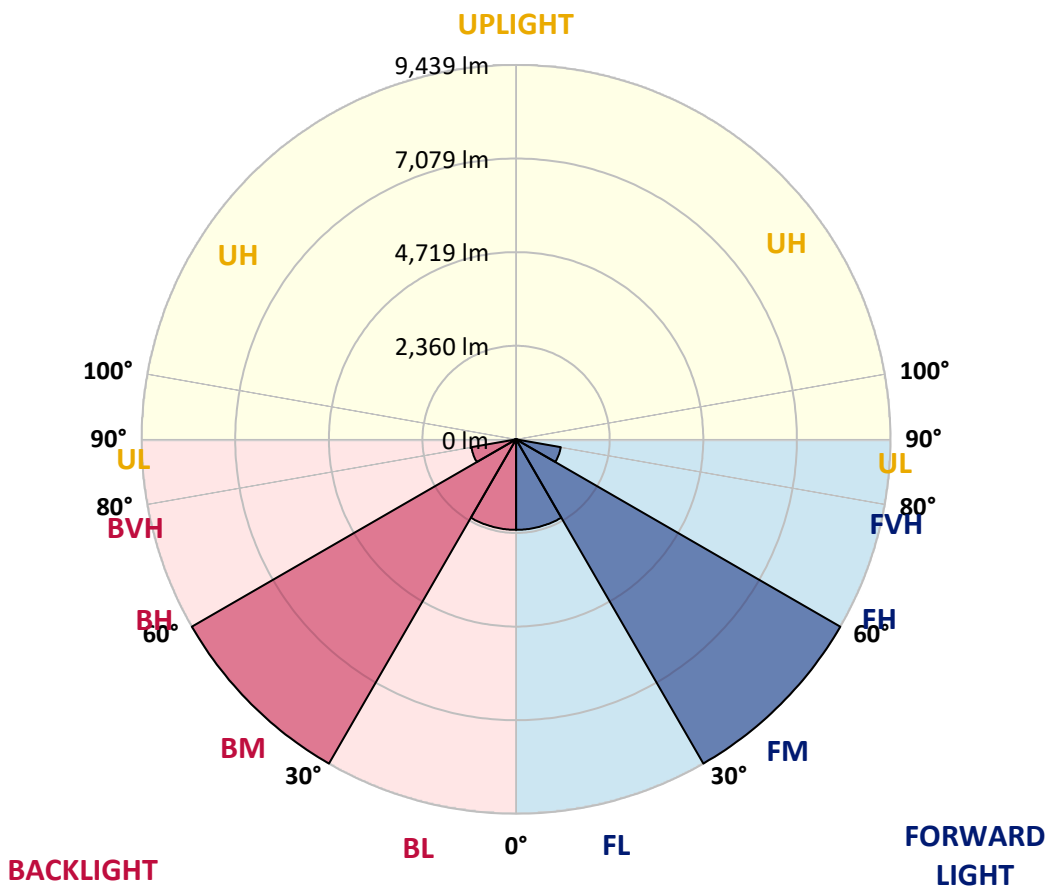
REPORT NUMBER: P642912

CATALOG NUMBER: GWS-SA6D-830-U-5NQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2280.6	8.8			
FM (30°-60°)	9439.0	36.6			
FH (60°-80°)	1144.0	4.4			G1/1800
FVH (80°-90°)	35.0	0.1			G1/100
BL (0°-30°)	2280.6	8.8	B3/2500		
BM (30°-60°)	9439.0	36.6	B5		
BH (60°-80°)	1144.0	4.4	B3/2500		G1/1800
BVH (80°-90°)	35.0	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-G1**  
 Type V Short





REPORT NUMBER: P642912

CATALOG NUMBER: GWS-SA6D-830-U-5NQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4641.0	4641.0	4641.0	4641.0	4641.0	4641.0	4641.0	4641.0	4641.0	4641.0	4641.0
2.5°	4630.8	4630.8	4638.9	4649.1	4651.2	4671.6	4667.5	4659.3	4655.3	4647.1	4665.5
5°	4681.8	4683.8	4689.9	4696.1	4692.0	4708.3	4702.2	4692.0	4685.9	4675.7	4694.0
7.5°	4749.1	4749.1	4755.2	4763.4	4759.3	4783.8	4771.5	4757.3	4747.1	4734.8	4751.1
10°	4810.3	4814.4	4820.5	4836.8	4845.0	4871.5	4863.3	4842.9	4826.6	4812.3	4830.7
12.5°	4902.1	4906.2	4912.3	4934.7	4949.0	4975.5	4963.3	4934.7	4910.3	4889.9	4910.3
15°	5020.4	5016.3	5032.7	5061.2	5079.6	5104.1	5089.8	5040.8	5008.2	4981.7	5002.1
17.5°	5140.8	5138.7	5155.1	5191.8	5218.3	5250.9	5226.5	5169.3	5134.7	5102.0	5122.4
20°	5271.3	5277.5	5293.8	5328.5	5367.2	5410.1	5389.7	5328.5	5289.7	5253.0	5269.3
22.5°	5432.5	5434.5	5452.9	5497.8	5548.8	5589.6	5577.3	5501.9	5452.9	5414.1	5434.5
25°	5626.3	5624.3	5648.7	5701.8	5773.2	5814.0	5787.5	5703.8	5650.8	5605.9	5622.2
27.5°	5848.7	5846.6	5883.3	5952.7	6054.7	6111.8	6056.7	5952.7	5879.3	5816.0	5830.3
30°	6128.1	6122.0	6162.8	6256.7	6389.3	6485.1	6403.5	6258.7	6162.8	6095.5	6109.8
32.5°	6438.2	6446.4	6497.4	6623.9	6791.1	6915.6	6793.2	6632.0	6503.5	6405.6	6421.9
35°	6778.9	6778.9	6882.9	7040.0	7278.7	7443.9	7254.2	7021.7	6850.3	6715.7	6719.7
37.5°	7158.3	7162.4	7299.1	7515.3	7827.5	8021.3	7764.2	7476.6	7268.5	7123.7	7115.5
40°	7621.4	7633.7	7774.4	8015.1	8366.0	8543.5	8268.1	7986.6	7774.4	7603.1	7586.7
42.5°	8143.7	8147.7	8296.7	8512.9	8808.7	8914.8	8698.5	8468.0	8294.6	8139.6	8123.3
45°	8641.4	8631.2	8759.7	8920.9	9092.3	9102.5	8982.1	8888.3	8737.3	8604.7	8580.2
47.5°	9029.0	9020.9	9137.1	9224.9	9245.3	9145.3	9184.1	9198.3	9022.9	8843.4	8796.5
50°	9265.7	9282.0	9392.1	9441.1	9320.7	9157.5	9304.4	9267.7	9016.8	8782.2	8706.7
52.5°	9408.5	9432.9	9624.7	9749.1	9624.7	9469.7	9490.1	9273.8	8912.7	8602.7	8504.7
55°	9047.4	9145.3	9559.4	10110.2	10314.2	10206.1	9818.5	9261.6	8592.5	8141.6	8058.0
57.5°	6705.5	6860.5	7474.5	8667.9	9908.2	10302.0	9169.8	7764.2	6750.3	6171.0	6122.0
60°	3423.1	3596.5	4088.1	5314.2	6909.5	7464.3	6387.2	4971.5	3951.5	3482.3	3429.2
62.5°	1397.4	1426.0	1587.1	2060.4	3053.9	3523.1	3094.7	2172.6	1632.0	1503.5	1505.5
65°	1099.6	1105.7	1097.5	1126.1	1279.1	1419.8	1311.7	1152.6	1124.0	1138.3	1128.1
67.5°	958.8	960.8	954.7	954.7	960.8	954.7	967.0	973.1	977.2	993.5	983.3
70°	801.7	803.8	803.8	807.8	805.8	795.6	814.0	822.1	824.2	834.4	828.2
72.5°	620.2	626.3	630.4	632.4	630.4	624.2	634.4	648.7	646.7	656.9	646.7
75°	420.2	428.4	432.5	440.6	438.6	438.6	450.8	457.0	450.8	459.0	450.8
77.5°	238.7	244.8	257.0	265.2	273.4	279.5	287.6	291.7	289.7	293.8	289.7
80°	138.7	140.8	151.0	155.0	165.2	175.4	183.6	187.7	189.7	191.8	189.7
82.5°	79.6	81.6	85.7	89.8	97.9	106.1	114.2	120.4	120.4	122.4	120.4
85°	38.8	38.8	40.8	42.8	46.9	53.0	59.2	65.3	67.3	67.3	67.3
87.5°	6.1	6.1	8.2	8.2	10.2	12.2	16.3	20.4	22.4	22.4	22.4
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)