

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: P642913

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642913  
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-SA6D-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**

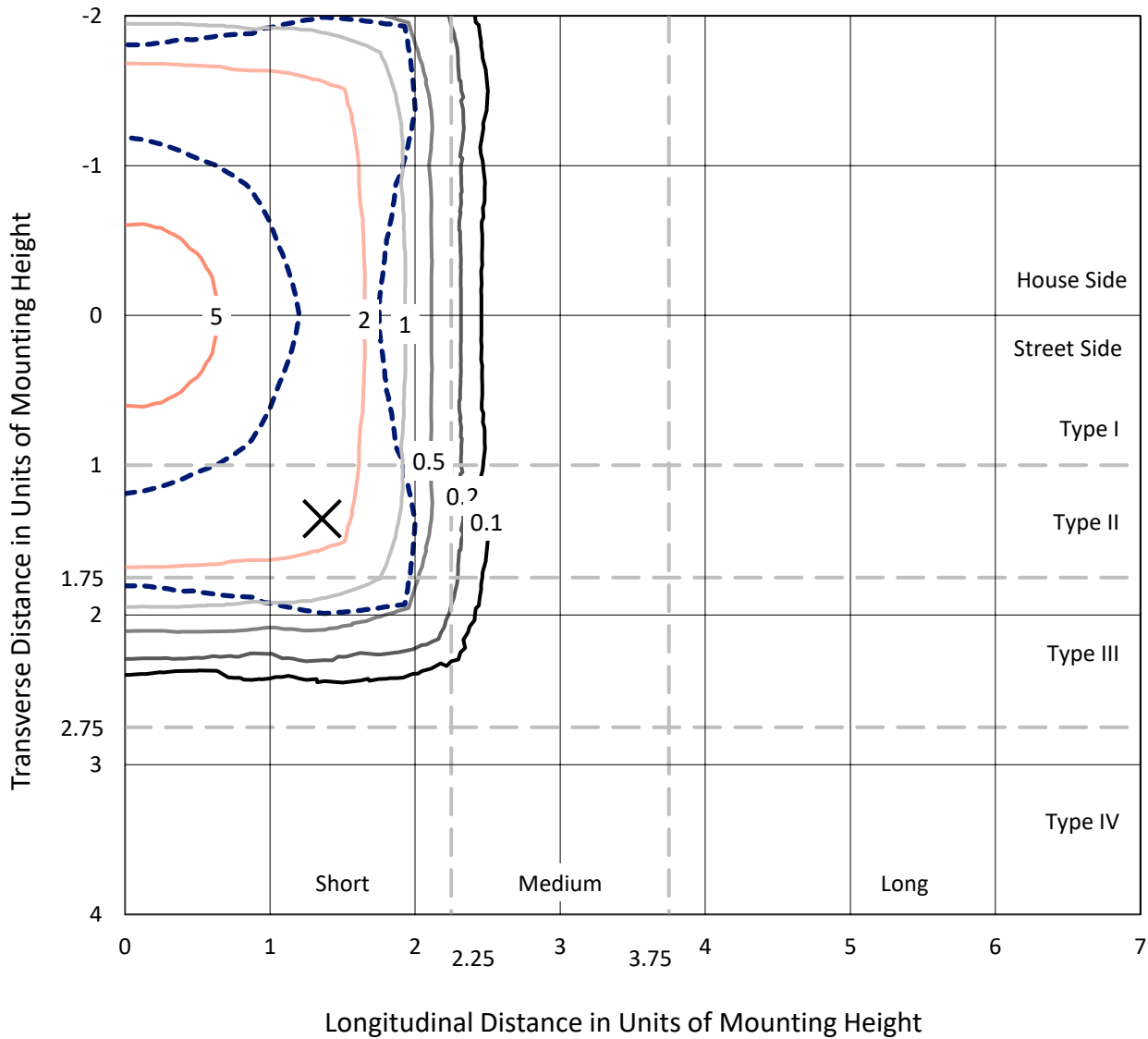
Lumens per Lamp: N/A  
Luminaire Lumens: 29742.5 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

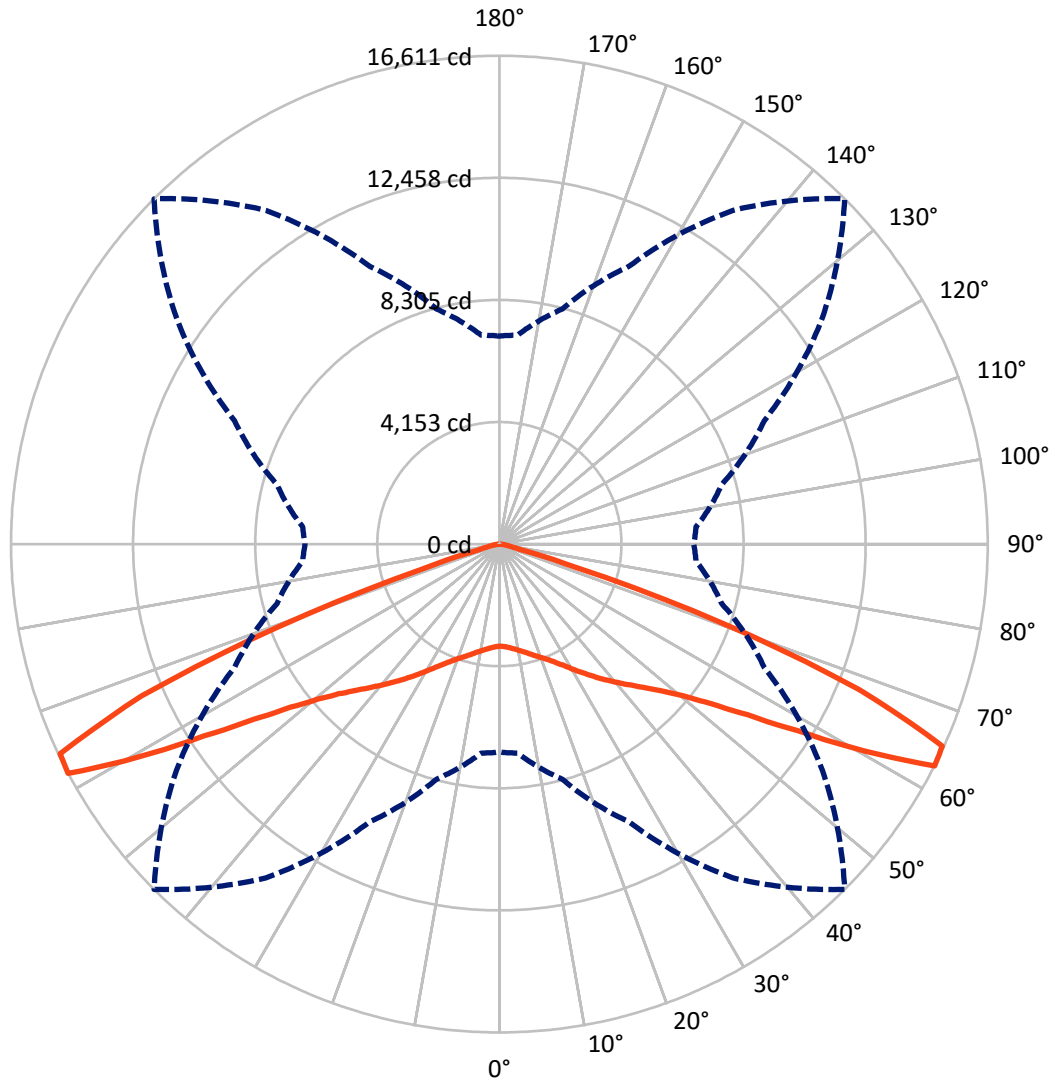
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	14871.3	0.0	14871.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14871.3	0.0	14871.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29742.5	0.0	29742.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.4	1.1
10°-20°	1097.9	3.7
20°-30°	2077.0	7.0
30°-40°	3496.0	11.8
40°-50°	5585.5	18.8
50°-60°	9003.5	30.3
60°-70°	7345.9	24.7
70°-80°	713.4	2.4
80°-90°	83.0	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°	29742.5	100.0
0°-180°	29742.5	100.0

**Coefficient of Utilization**



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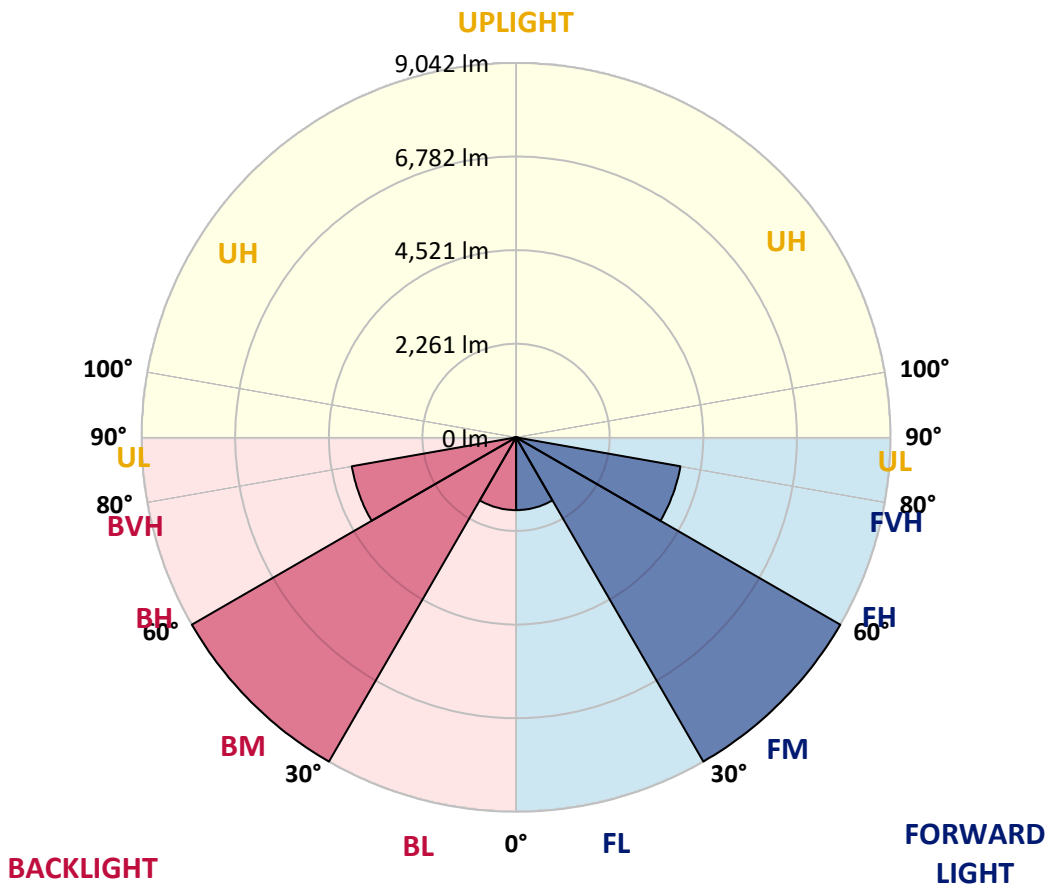
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1757.7	5.9			
FM (30°-60°)	9042.5	30.4			
FH (60°-80°)	4029.6	13.5			G2/5000
FVH (80°-90°)	41.5	0.1			G1/100
BL (0°-30°)	1757.7	5.9	B3/2500		
BM (30°-60°)	9042.5	30.4	B5		
BH (60°-80°)	4029.6	13.5	B4/5000		G2/5000
BVH (80°-90°)	41.5	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3469.9	3469.9	3469.9	3469.9	3469.9	3469.9	3469.9	3469.9	3469.9	3469.9	3469.9
2.5°	3465.8	3465.8	3473.9	3480.1	3476.0	3492.3	3490.3	3486.2	3484.1	3478.0	3496.4
5°	3512.7	3512.7	3518.8	3524.9	3514.7	3535.1	3527.0	3522.9	3520.9	3512.7	3529.0
7.5°	3565.7	3571.9	3573.9	3584.1	3578.0	3600.4	3594.3	3586.1	3582.1	3571.9	3586.1
10°	3624.9	3629.0	3631.0	3649.4	3651.4	3677.9	3671.8	3661.6	3653.5	3643.3	3663.7
12.5°	3704.5	3706.5	3712.6	3735.1	3741.2	3761.6	3759.5	3745.2	3735.1	3720.8	3743.2
15°	3806.4	3808.5	3818.7	3841.1	3851.3	3875.8	3867.6	3845.2	3830.9	3814.6	3833.0
17.5°	3912.5	3920.7	3930.9	3953.3	3967.6	3996.2	3986.0	3961.5	3949.2	3932.9	3945.2
20°	4049.2	4051.2	4057.4	4081.8	4092.0	4124.7	4126.7	4102.2	4096.1	4079.8	4098.2
22.5°	4200.1	4202.2	4208.3	4234.8	4253.2	4273.6	4285.8	4271.5	4261.3	4240.9	4263.4
25°	4367.4	4387.8	4393.9	4426.6	4447.0	4459.2	4473.5	4467.4	4453.1	4428.6	4438.8
27.5°	4602.0	4606.1	4616.3	4653.0	4665.2	4677.5	4691.8	4693.8	4673.4	4644.8	4659.1
30°	4869.2	4867.2	4889.6	4918.2	4928.4	4938.6	4959.0	4971.2	4944.7	4914.1	4928.4
32.5°	5142.6	5167.1	5195.6	5222.1	5216.0	5220.1	5252.7	5275.2	5238.5	5183.4	5195.6
35°	5450.6	5466.9	5503.6	5542.4	5534.2	5528.1	5548.5	5571.0	5520.0	5448.6	5466.9
37.5°	5766.8	5791.3	5846.3	5893.3	5881.0	5852.5	5874.9	5899.4	5850.4	5768.8	5760.7
40°	6119.7	6158.4	6238.0	6276.8	6244.1	6189.0	6227.8	6287.0	6238.0	6144.2	6121.7
42.5°	6533.8	6580.7	6660.3	6719.4	6648.0	6558.3	6623.5	6709.2	6697.0	6572.5	6533.8
45°	7045.8	7076.4	7174.3	7202.9	7096.8	6972.4	7090.7	7221.2	7190.6	7056.0	7005.0
47.5°	7602.7	7649.6	7735.3	7788.3	7617.0	7461.9	7627.2	7802.6	7770.0	7643.5	7584.3
50°	8312.6	8373.8	8486.0	8530.8	8294.2	8116.7	8328.9	8551.2	8488.0	8318.7	8241.2
52.5°	9085.7	9134.7	9326.4	9416.2	9193.8	9002.1	9187.7	9406.0	9271.3	9046.9	8942.9
55°	9767.0	9816.0	10097.5	10395.3	10385.1	10252.5	10346.4	10350.4	9985.3	9614.0	9503.9
57.5°	9913.9	9962.9	10499.3	11278.6	11829.4	11982.4	11707.0	11127.6	10207.6	9556.9	9432.5
60°	9130.6	9185.7	10038.3	11462.2	13273.6	14295.6	13026.8	11111.3	9520.2	8639.0	8520.6
62.5°	7074.4	7133.5	8279.9	10417.8	13857.0	16610.9	13410.3	9942.5	7831.2	6715.3	6611.3
65°	3378.1	3378.1	4834.6	7472.1	12694.3	16555.8	12300.6	7355.9	4714.2	3620.8	3531.1
67.5°	836.4	840.4	1244.3	2908.9	8634.9	13212.4	8775.6	3531.1	1660.5	1175.0	1144.4
70°	522.2	520.2	577.3	787.4	3021.1	8018.8	3588.2	1064.8	675.2	595.6	591.6
72.5°	405.9	405.9	434.5	503.9	791.5	2731.4	1046.5	591.6	489.6	440.6	440.6
75°	320.3	320.3	340.7	377.4	467.1	703.8	556.9	438.6	379.4	346.8	342.7
77.5°	238.7	242.7	259.1	283.5	318.2	395.7	352.9	330.5	295.8	271.3	263.1
80°	155.0	161.2	181.6	195.8	208.1	261.1	230.5	240.7	224.4	195.8	191.8
82.5°	83.6	85.7	110.2	114.2	118.3	142.8	146.9	153.0	159.1	124.4	116.3
85°	30.6	30.6	36.7	42.8	46.9	51.0	69.4	85.7	89.8	71.4	69.4
87.5°	6.1	6.1	6.1	4.1	4.1	4.1	12.2	22.4	36.7	28.6	28.6
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)