

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: P642308

Luminaire Tested: GWS-SA6C-760-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642308  
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-SA6C-760-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

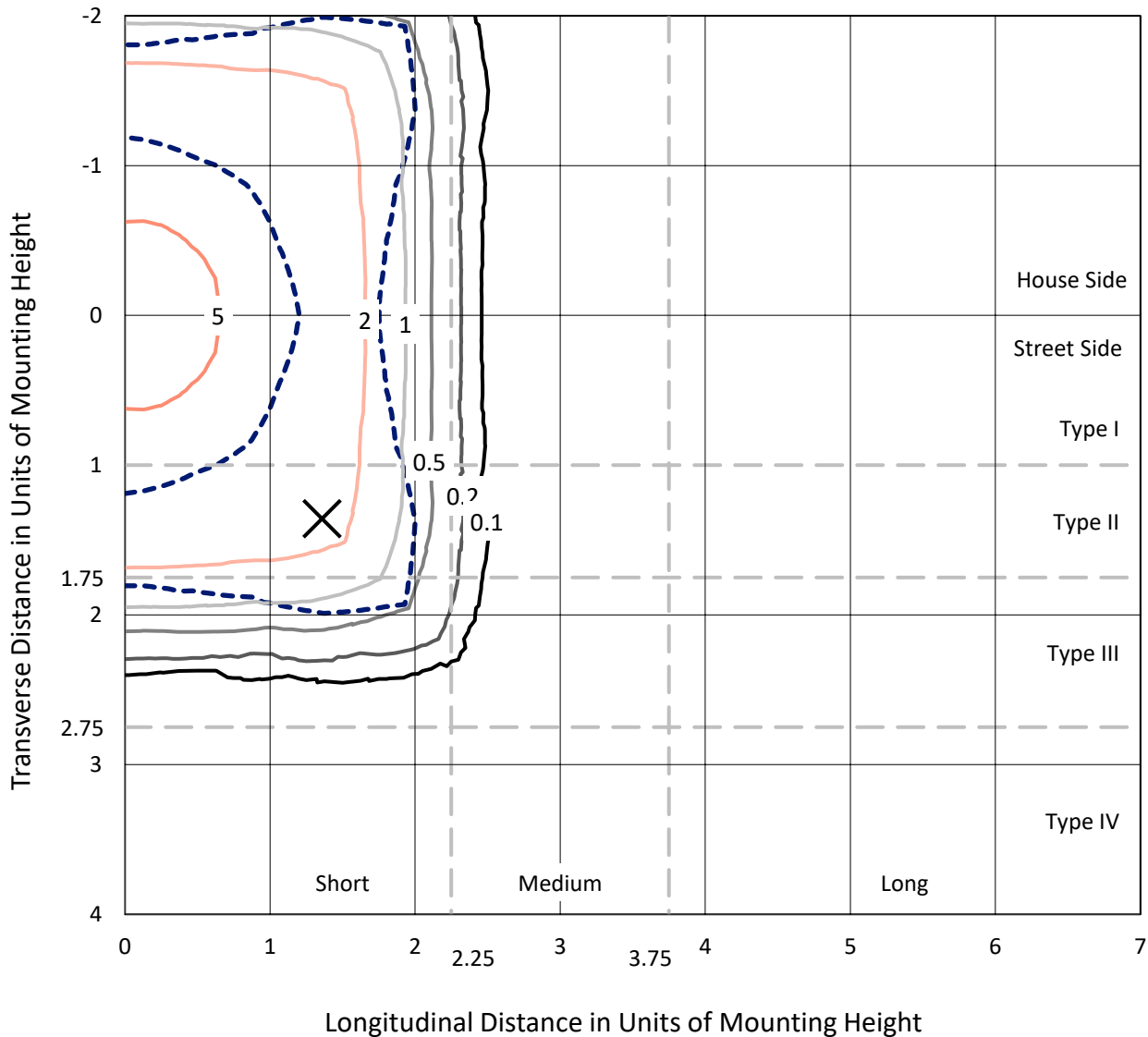
Lumens per Lamp: N/A  
Luminaire Lumens: 29942.1 lumens  
Efficiency: N/A  
Efficacy: 158.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

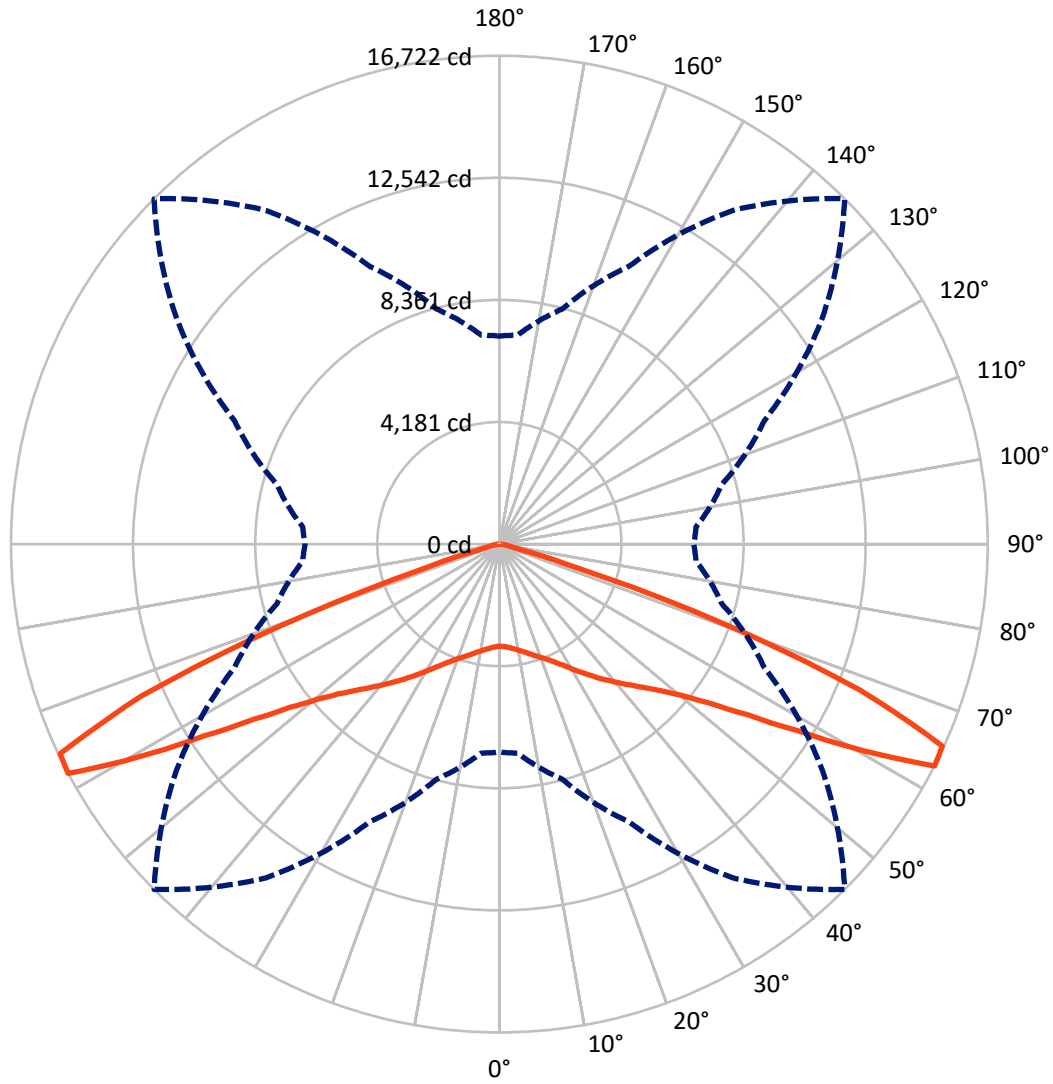
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	14971.1	0.0	14971.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14971.1	0.0	14971.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29942.1	0.0	29942.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.7	1.1
10°-20°	1105.2	3.7
20°-30°	2091.0	7.0
30°-40°	3519.4	11.8
40°-50°	5623.0	18.8
50°-60°	9063.9	30.3
60°-70°	7395.2	24.7
70°-80°	718.1	2.4
80°-90°	83.6	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°	29942.1	100.0
0°-180°	29942.1	100.0

**Coefficient of Utilization**



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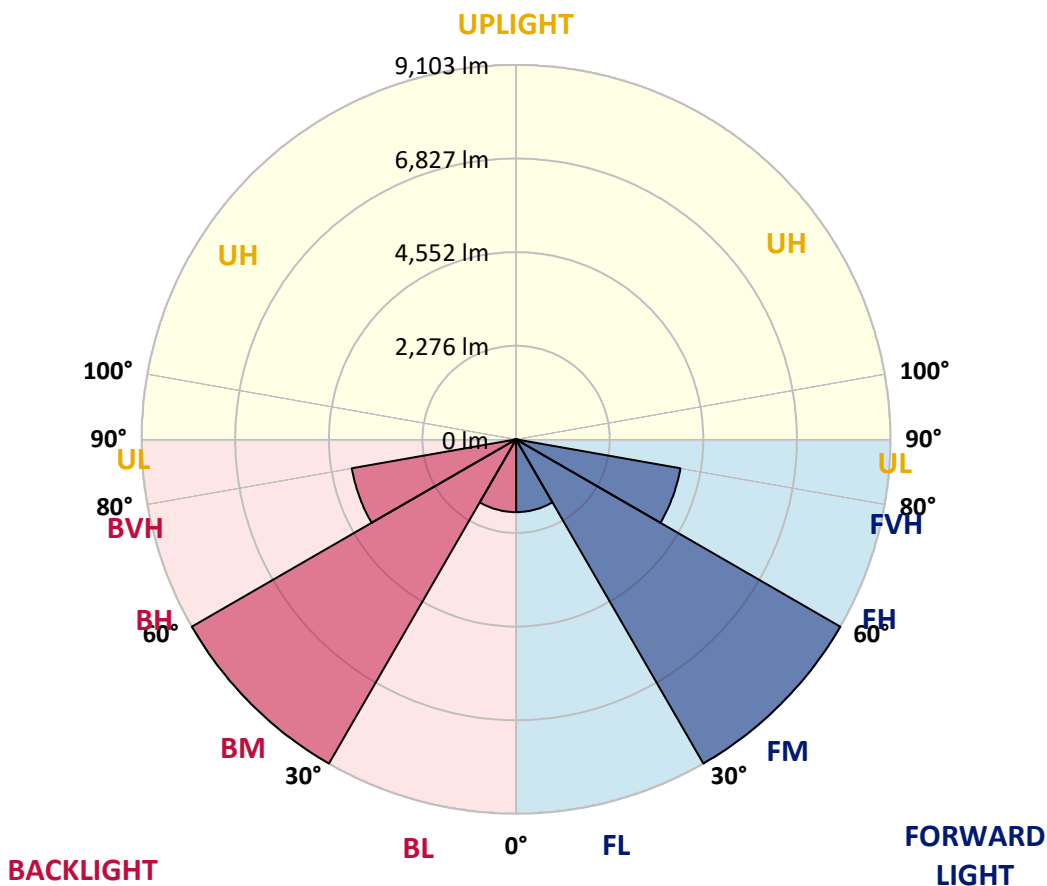
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1769.5	5.9			
FM (30°-60°)	9103.2	30.4			
FH (60°-80°)	4056.6	13.5			G2/5000
FVH (80°-90°)	41.8	0.1			G1/100
BL (0°-30°)	1769.5	5.9	B3/2500		
BM (30°-60°)	9103.2	30.4	B5		
BH (60°-80°)	4056.6	13.5	B4/5000		G2/5000
BVH (80°-90°)	41.8	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°	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1
2.5°	3489.0	3489.0	3497.3	3503.4	3499.3	3515.7	3513.7	3509.6	3507.5	3501.4	3519.8
5°	3536.3	3536.3	3542.4	3548.6	3538.3	3558.9	3550.7	3546.5	3544.5	3536.3	3552.7
7.5°	3589.7	3595.8	3597.9	3608.2	3602.0	3624.6	3618.4	3610.2	3606.1	3595.8	3610.2
10°	3649.2	3653.3	3655.4	3673.9	3675.9	3702.6	3696.5	3686.2	3678.0	3667.7	3688.2
12.5°	3729.3	3731.4	3737.5	3760.1	3766.3	3786.8	3784.8	3770.4	3760.1	3745.7	3768.3
15°	3832.0	3834.0	3844.3	3866.9	3877.2	3901.8	3893.6	3871.0	3856.6	3840.2	3858.7
17.5°	3938.8	3947.0	3957.3	3979.8	3994.2	4023.0	4012.7	3988.1	3975.7	3959.3	3971.6
20°	4076.4	4078.4	4084.6	4109.2	4119.5	4152.4	4154.4	4129.8	4123.6	4107.2	4125.7
22.5°	4228.3	4230.4	4236.5	4263.2	4281.7	4302.3	4314.6	4300.2	4289.9	4269.4	4292.0
25°	4396.7	4417.3	4423.4	4456.3	4476.8	4489.1	4503.5	4497.4	4483.0	4458.3	4468.6
27.5°	4632.9	4637.0	4647.3	4684.2	4696.6	4708.9	4723.2	4725.3	4704.8	4676.0	4690.4
30°	4901.9	4899.9	4922.4	4951.2	4961.5	4971.7	4992.3	5004.6	4977.9	4947.1	4961.5
32.5°	5177.1	5201.7	5230.5	5257.2	5251.0	5255.1	5288.0	5310.6	5273.6	5218.2	5230.5
35°	5487.2	5503.6	5540.6	5579.6	5571.4	5565.2	5585.8	5608.3	5557.0	5485.1	5503.6
37.5°	5805.5	5830.1	5885.6	5932.8	5920.5	5891.7	5914.3	5939.0	5889.7	5807.5	5799.3
40°	6160.8	6199.8	6279.9	6318.9	6286.0	6230.6	6269.6	6329.2	6279.9	6185.4	6162.8
42.5°	6577.6	6624.9	6705.0	6764.5	6692.6	6602.3	6668.0	6754.2	6741.9	6616.7	6577.6
45°	7093.1	7123.9	7222.5	7251.2	7144.4	7019.2	7138.3	7269.7	7238.9	7103.4	7052.0
47.5°	7653.7	7700.9	7787.2	7840.6	7668.1	7512.0	7678.4	7855.0	7822.1	7694.8	7635.2
50°	8368.4	8430.0	8542.9	8588.1	8349.9	8171.2	8384.8	8608.6	8545.0	8374.5	8296.5
52.5°	9146.7	9196.0	9389.0	9479.4	9255.5	9062.5	9249.4	9469.1	9333.5	9107.7	9002.9
55°	9832.6	9881.9	10165.3	10465.1	10454.8	10321.3	10415.8	10419.9	10052.3	9678.6	9567.7
57.5°	9980.4	10029.7	10569.8	11354.3	11908.7	12062.8	11785.5	11202.3	10276.1	9621.1	9495.8
60°	9191.9	9247.3	10105.7	11539.1	13362.7	14391.5	13114.2	11185.9	9584.1	8696.9	8577.8
62.5°	7121.8	7181.4	8335.5	10487.7	13950.0	16722.4	13500.3	10009.2	7883.7	6760.4	6655.7
65°	3400.7	3400.7	4867.0	7522.3	12779.5	16666.9	12383.1	7405.2	4745.8	3645.1	3554.8
67.5°	842.0	846.1	1252.7	2928.4	8692.8	13301.1	8834.5	3554.8	1671.6	1182.9	1152.1
70°	525.7	523.7	581.2	792.7	3041.4	8072.6	3612.3	1072.0	679.7	599.6	595.5
72.5°	408.7	408.7	437.4	507.2	796.8	2749.8	1053.5	595.5	492.9	443.6	443.6
75°	322.4	322.4	342.9	379.9	470.3	708.5	560.6	441.5	382.0	349.1	345.0
77.5°	240.3	244.4	260.8	285.4	320.4	398.4	355.3	332.7	297.8	273.1	264.9
80°	156.1	162.2	182.8	197.1	209.5	262.9	232.1	242.3	225.9	197.1	193.0
82.5°	84.2	86.3	110.9	115.0	119.1	143.8	147.9	154.0	160.2	125.3	117.1
85°	30.8	30.8	37.0	43.1	47.2	51.3	69.8	86.3	90.4	71.9	69.8
87.5°	6.2	6.2	6.2	4.1	4.1	4.1	12.3	22.6	37.0	28.8	28.8
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)