

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: P643623

Luminaire Tested: GWS-SA6F-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643623  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6F-735-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29992.2 lumens  
Efficiency: N/A  
Efficacy: 80.5 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): 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

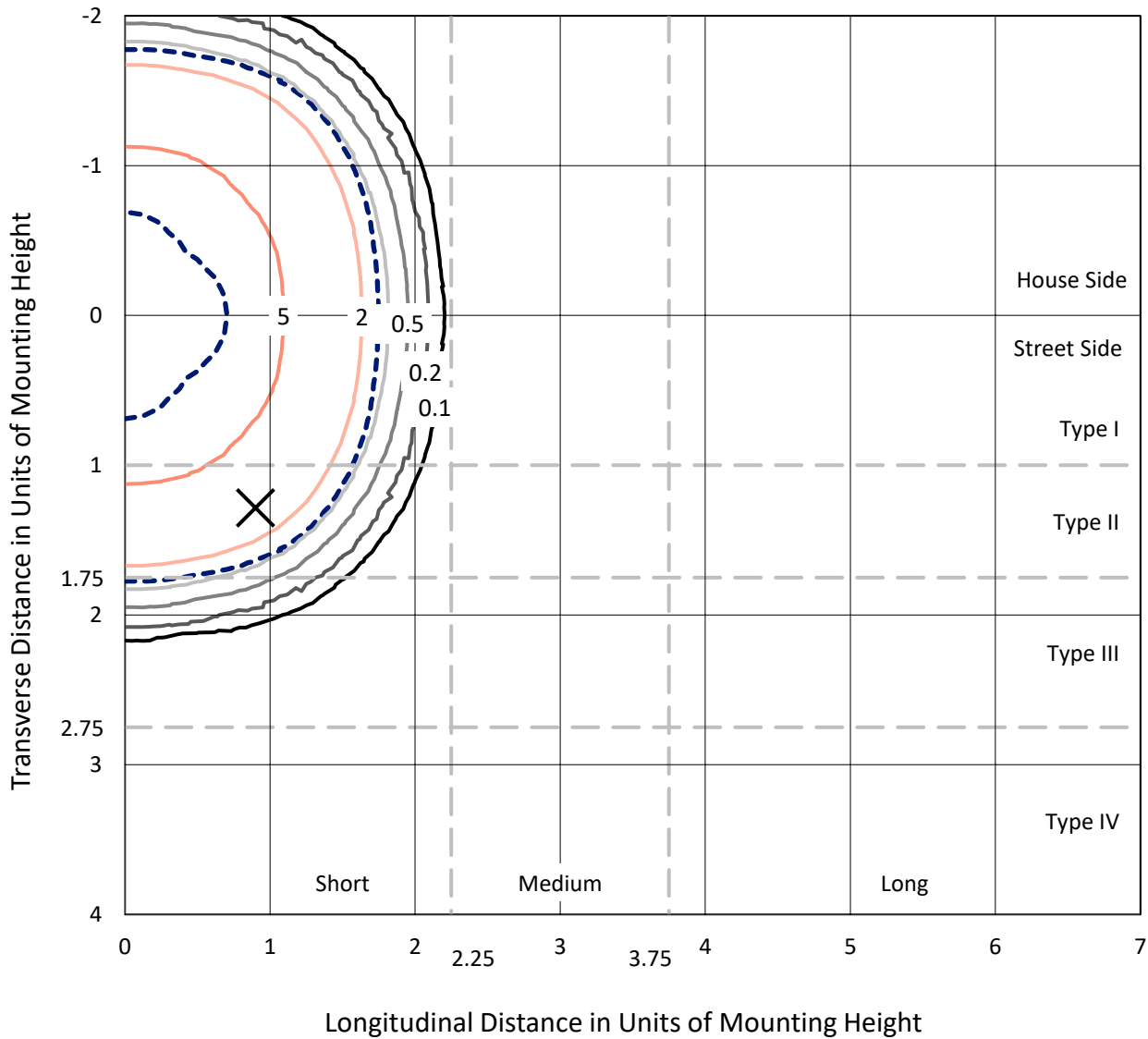


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### Iso-Footcandle Lines of Horizontal Illumination

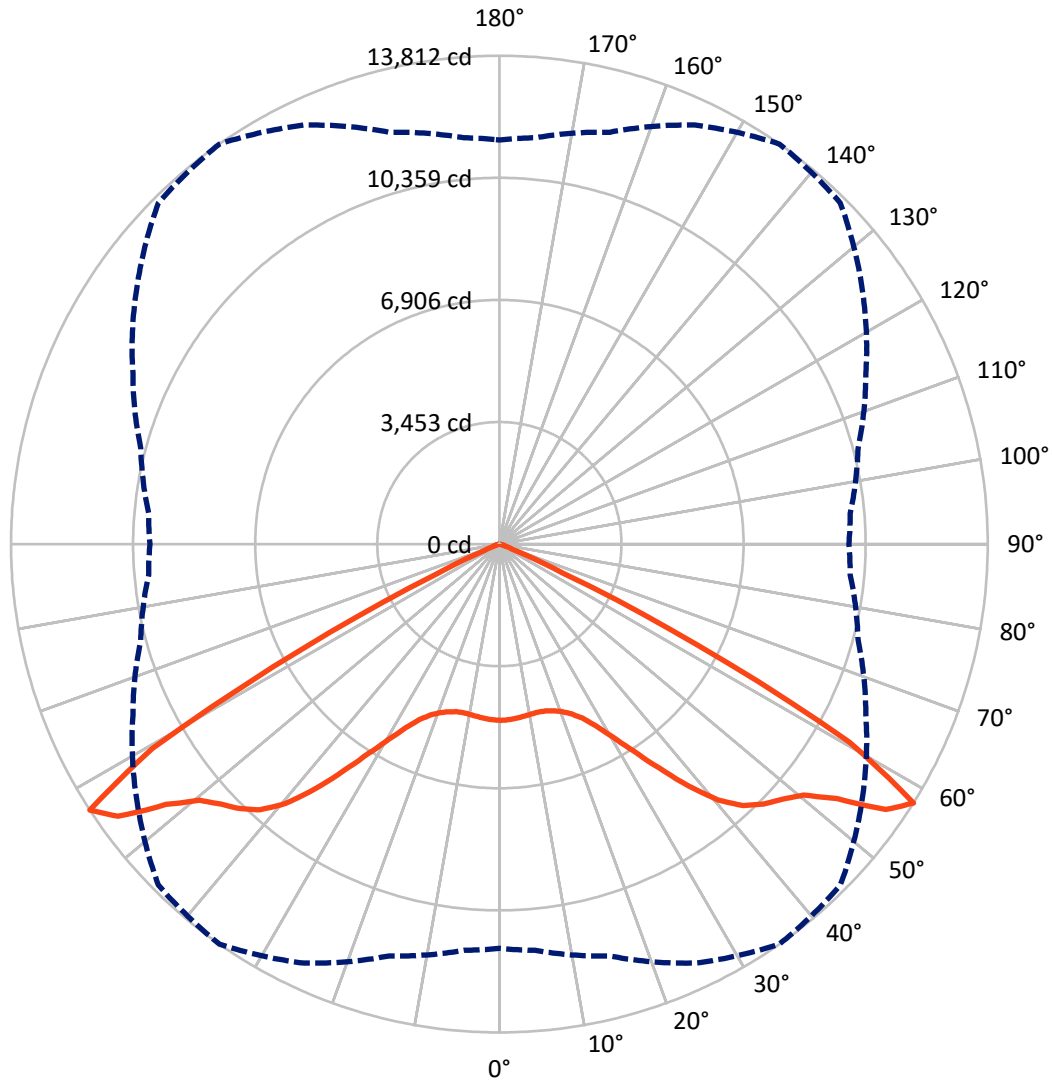
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14996.1	0.0	14996.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14996.1	0.0	14996.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29992.2	0.0	29992.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.8	1.6
10°-20°	1382.0	4.6
20°-30°	2498.0	8.3
30°-40°	4660.2	15.5
40°-50°	7817.5	26.1
50°-60°	10323.8	34.4
60°-70°	2741.8	9.1
70°-80°	97.4	0.3
80°-90°	1.7	0.0
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°	29992.2	100.0
0°-180°	29992.2	100.0

**Coefficient of Utilization**



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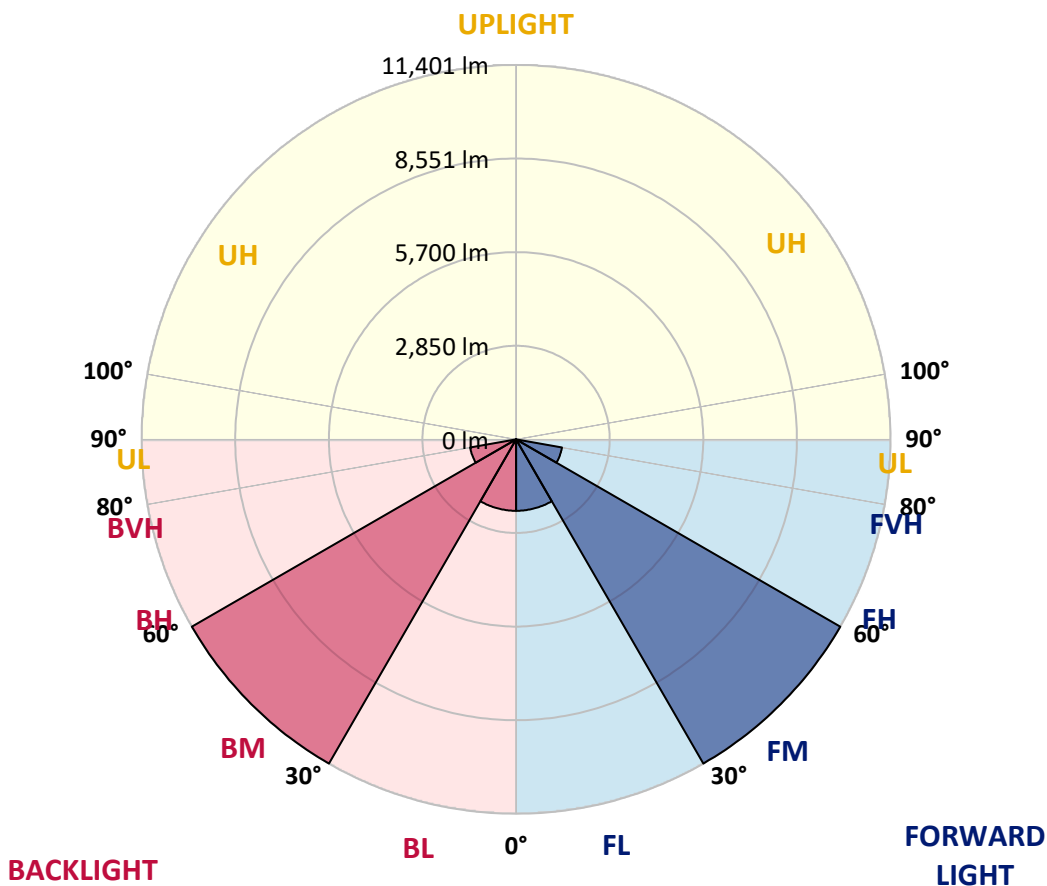
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2174.9	7.3			
FM (30°-60°)	11400.8	38.0			
FH (60°-80°)	1419.6	4.7			G1/1800
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	2174.9	7.3	B3/2500		
BM (30°-60°)	11400.8	38.0	B5		
BH (60°-80°)	1419.6	4.7	B3/2500		G1/1800
BVH (80°-90°)	0.9	0.0			G0/10
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4986.5	4986.5	4986.5	4986.5	4986.5	4986.5	4986.5	4986.5	4986.5	4986.5	4986.5
2.5°	4951.3	4947.8	4961.8	4972.4	4972.4	4997.0	4990.0	4983.0	4975.9	4965.4	4990.0
5°	4944.2	4940.7	4951.3	4958.3	4951.3	4972.4	4958.3	4944.2	4937.2	4923.1	4951.3
7.5°	4912.6	4916.1	4923.1	4930.2	4919.6	4937.2	4919.6	4898.5	4880.9	4866.8	4891.5
10°	4863.3	4866.8	4873.9	4887.9	4891.5	4916.1	4891.5	4852.7	4828.1	4807.0	4831.6
12.5°	4838.7	4842.2	4852.7	4870.3	4873.9	4905.5	4873.9	4817.6	4782.4	4757.7	4782.4
15°	4845.7	4852.7	4866.8	4887.9	4895.0	4926.6	4884.4	4810.5	4761.3	4729.6	4750.7
17.5°	4870.3	4877.4	4898.5	4933.7	4958.3	4990.0	4937.2	4842.2	4775.3	4729.6	4750.7
20°	4902.0	4912.6	4947.8	5004.1	5056.9	5113.2	5046.3	4916.1	4828.1	4771.8	4789.4
22.5°	4990.0	5000.5	5049.8	5123.7	5211.7	5282.1	5201.1	5035.7	4916.1	4842.2	4859.8
25°	5169.5	5180.0	5243.4	5338.4	5451.0	5542.5	5440.4	5232.8	5078.0	4993.5	5000.5
27.5°	5451.0	5461.5	5535.4	5669.2	5820.5	5950.7	5802.9	5560.1	5384.1	5285.6	5285.6
30°	5806.4	5820.5	5919.0	6098.5	6334.3	6506.7	6306.1	6010.5	5785.3	5651.6	5655.1
32.5°	6263.9	6249.8	6390.6	6636.9	6971.2	7199.9	6904.3	6545.4	6267.4	6080.9	6098.5
35°	6851.6	6848.0	7006.4	7340.7	7777.1	8051.6	7699.6	7235.1	6900.8	6710.8	6714.3
37.5°	7608.2	7604.6	7787.6	8150.1	8674.4	8903.2	8509.0	8037.5	7678.5	7495.5	7516.7
40°	8495.0	8473.8	8635.7	8984.1	9508.4	9656.2	9226.9	8846.9	8502.0	8385.9	8442.2
42.5°	9339.5	9293.8	9388.8	9705.5	10110.2	10131.3	9807.6	9547.1	9311.4	9219.9	9255.1
45°	10018.7	9983.5	10071.5	10254.5	10486.7	10381.2	10226.3	10145.4	9955.4	9856.8	9888.5
47.5°	10525.4	10525.4	10631.0	10743.6	10778.8	10585.3	10609.9	10609.9	10419.9	10265.0	10226.3
50°	10961.8	10993.5	11151.8	11268.0	11151.8	10905.5	11046.3	11018.1	10631.0	10321.3	10240.4
52.5°	11658.6	11690.2	11933.0	12091.4	11961.2	11718.4	11736.0	11384.1	10814.0	10448.0	10321.3
55°	12397.6	12475.0	12826.9	13249.2	13252.7	13002.8	12538.3	11915.5	11222.2	10824.6	10694.3
57.5°	11429.8	11535.4	12059.7	13076.7	13812.2	13639.8	12531.3	11436.9	10500.8	9958.9	9885.0
60°	7865.0	8048.0	8572.4	9962.4	11380.6	11447.4	10138.3	8910.2	7836.9	7168.3	7182.4
62.5°	3322.0	3508.5	3804.1	4947.8	6249.8	6330.7	5697.3	4817.6	3941.3	3459.2	3533.1
65°	781.2	834.0	922.0	1368.9	1984.7	2076.2	1914.4	1492.1	1101.5	932.5	950.1
67.5°	341.3	348.4	330.8	351.9	436.4	446.9	432.8	380.1	358.9	366.0	366.0
70°	239.3	242.8	228.7	218.2	207.6	193.5	200.6	221.7	239.3	253.4	249.9
72.5°	147.8	151.3	154.8	154.8	144.3	130.2	137.2	151.3	154.8	158.4	154.8
75°	73.9	77.4	84.5	88.0	84.5	80.9	80.9	84.5	84.5	80.9	80.9
77.5°	14.1	17.6	24.6	28.2	28.2	28.2	28.2	28.2	31.7	28.2	28.2
80°	3.5	3.5	7.0	3.5	3.5	3.5	3.5	3.5	3.5	7.0	7.0
82.5°	3.5	3.5	3.5	3.5	0.0	0.0	3.5	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5
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)