

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: P643465

Luminaire Tested: GWS-SA6F-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6F-722-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

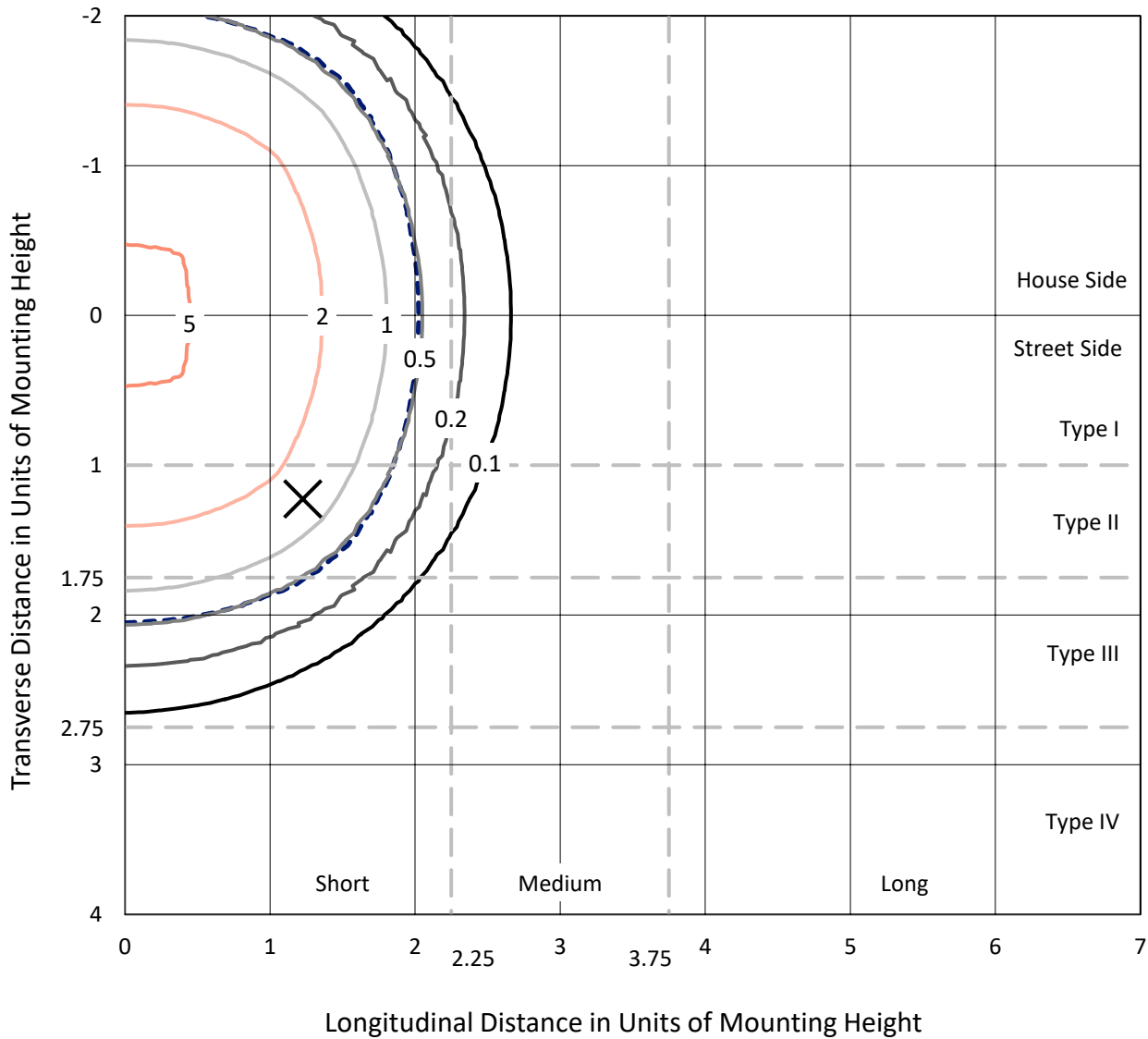
Lumens per Lamp: N/A  
Luminaire Lumens: 30961.4 lumens  
Efficiency: N/A  
Efficacy: 83.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

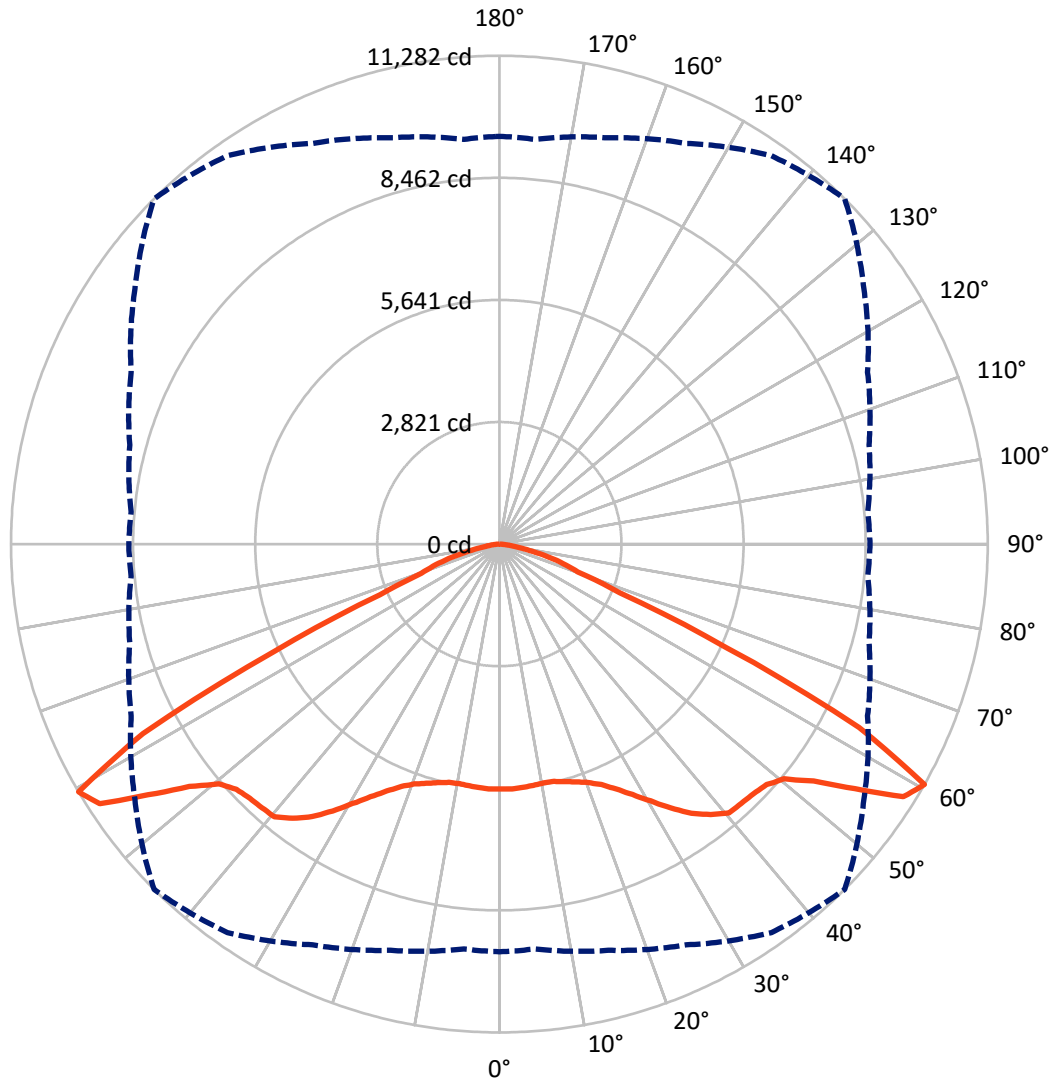
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15480.7	0.0	15480.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15480.7	0.0	15480.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30961.4	0.0	30961.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	536.6	1.7
10°-20°	1614.0	5.2
20°-30°	2855.4	9.2
30°-40°	4597.3	14.8
40°-50°	6318.9	20.4
50°-60°	8420.6	27.2
60°-70°	5248.1	17.0
70°-80°	1206.8	3.9
80°-90°	163.7	0.5
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°	30961.4	100.0
0°-180°	30961.4	100.0

**Coefficient of Utilization**



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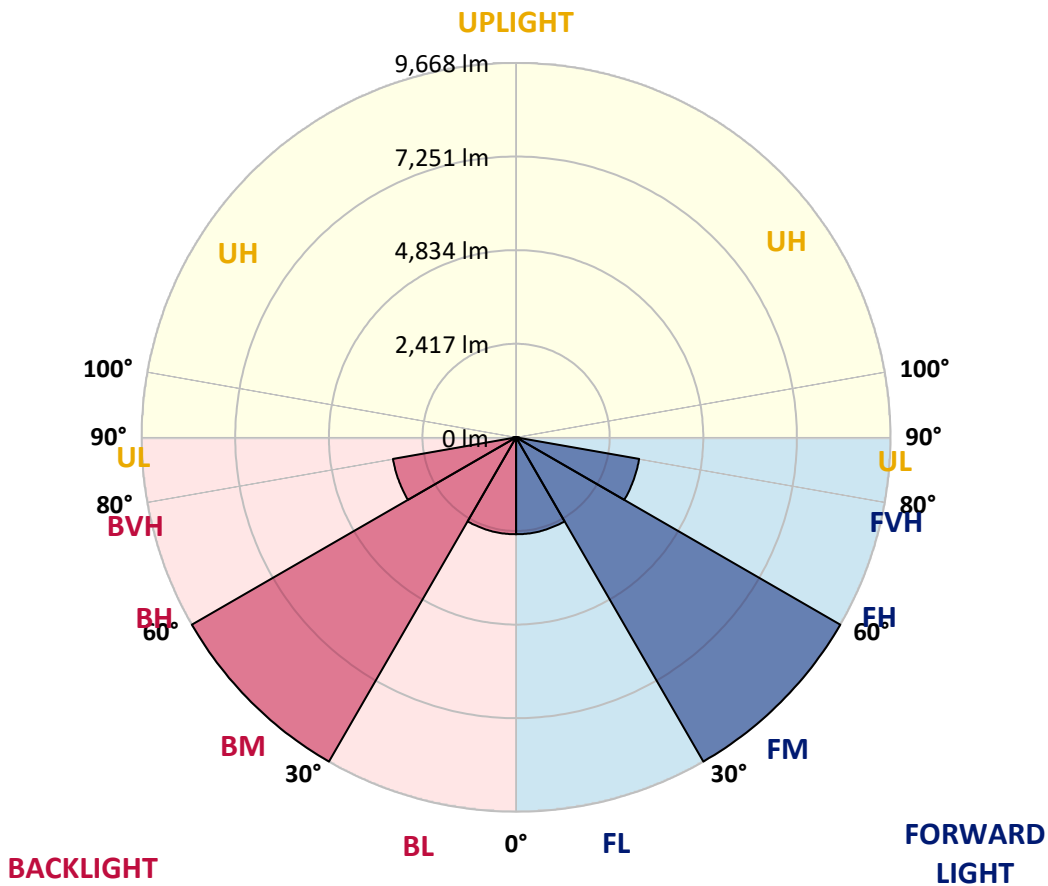
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2503.0	8.1			
FM (30°-60°)	9668.4	31.2			
FH (60°-80°)	3227.5	10.4			G2/5000
FVH (80°-90°)	81.9	0.3			G1/100
BL (0°-30°)	2503.0	8.1	B4/5000		
BM (30°-60°)	9668.4	31.2	B5		
BH (60°-80°)	3227.5	10.4	B4/5000		G2/5000
BVH (80°-90°)	81.9	0.3			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°	5658.2	5658.2	5658.2	5658.2	5658.2	5658.2	5658.2	5658.2	5658.2	5658.2	5658.2
2.5°	5618.7	5624.0	5634.5	5642.4	5652.9	5663.4	5668.7	5658.2	5652.9	5631.9	5655.5
5°	5624.0	5629.2	5637.1	5637.1	5639.8	5647.6	5647.6	5634.5	5621.4	5597.7	5624.0
7.5°	5616.1	5621.4	5624.0	5621.4	5624.0	5626.6	5621.4	5605.6	5592.5	5571.4	5592.5
10°	5603.0	5608.2	5613.5	5608.2	5603.0	5610.8	5610.8	5600.3	5592.5	5571.4	5595.1
12.5°	5631.9	5639.8	5642.4	5629.2	5624.0	5626.6	5626.6	5616.1	5616.1	5597.7	5624.0
15°	5700.2	5705.5	5697.6	5681.8	5684.4	5692.3	5673.9	5647.6	5642.4	5634.5	5655.5
17.5°	5752.8	5758.0	5750.1	5739.6	5758.0	5776.4	5742.2	5692.3	5676.5	5671.3	5694.9
20°	5810.6	5818.5	5807.9	5821.1	5857.9	5878.9	5836.9	5768.5	5737.0	5729.1	5758.0
22.5°	5905.2	5915.7	5915.7	5944.6	5999.8	6034.0	5981.4	5889.4	5842.1	5829.0	5857.9
25°	6055.0	6062.9	6070.8	6128.6	6217.9	6265.2	6181.1	6055.0	5989.3	5968.3	5984.0
27.5°	6262.6	6275.7	6288.9	6373.0	6483.4	6551.7	6430.8	6273.1	6191.6	6149.6	6181.1
30°	6509.6	6528.0	6559.6	6654.2	6809.2	6885.4	6730.4	6538.5	6446.6	6401.9	6443.9
32.5°	6846.0	6848.6	6872.3	6977.4	7182.4	7269.1	7074.7	6861.8	6767.2	6714.6	6738.3
35°	7245.5	7248.1	7211.3	7319.1	7539.8	7637.1	7408.4	7192.9	7114.1	7098.3	7158.8
37.5°	7655.5	7631.8	7595.0	7642.3	7865.7	7928.8	7687.0	7503.0	7468.9	7497.8	7587.1
40°	7947.2	7907.7	7834.2	7868.3	8094.3	8167.9	7910.4	7736.9	7726.4	7797.4	7905.1
42.5°	8136.4	8094.3	8007.6	8007.6	8162.7	8194.2	7994.5	7902.5	7926.1	8007.6	8110.1
45°	8228.4	8204.7	8154.8	8128.5	8215.2	8228.4	8075.9	8039.1	8083.8	8123.2	8202.1
47.5°	8299.3	8299.3	8283.6	8257.3	8296.7	8304.6	8191.6	8181.1	8238.9	8238.9	8291.4
50°	8425.5	8438.6	8459.6	8454.4	8496.4	8522.7	8438.6	8422.8	8446.5	8370.3	8396.6
52.5°	8756.6	8790.8	8851.2	8898.5	9006.3	9087.7	8937.9	8811.8	8688.3	8520.1	8525.3
55°	9350.5	9366.3	9484.6	9623.9	9805.2	9970.8	9663.3	9271.7	9003.6	8806.5	8809.2
57.5°	9852.5	9876.1	10049.6	10341.3	10748.6	11006.2	10325.5	9671.2	9292.7	9050.9	9058.8
60°	9418.9	9387.3	9715.8	10215.2	10953.6	11282.1	10278.2	9384.7	8840.7	8541.1	8562.1
62.5°	7287.5	7227.1	7592.4	8115.4	9001.0	9329.5	8404.4	7547.7	7032.6	6798.7	6764.6
65°	4436.1	4380.9	4643.7	4964.4	5563.5	5771.2	5348.0	4893.4	4444.0	4302.1	4262.7
67.5°	2415.2	2407.3	2478.2	2635.9	2898.7	2996.0	2914.5	2699.0	2583.4	2483.5	2483.5
70°	1915.8	1900.1	1886.9	1889.6	1913.2	1926.3	1929.0	1918.5	1931.6	1934.2	1923.7
72.5°	1587.3	1582.1	1555.8	1558.4	1547.9	1542.7	1561.1	1571.6	1592.6	1595.2	1595.2
75°	1151.1	1137.9	1151.1	1153.7	1143.2	1143.2	1156.3	1153.7	1164.2	1169.5	1140.6
77.5°	654.4	654.4	672.8	693.8	709.6	709.6	722.7	722.7	735.8	733.2	728.0
80°	360.0	360.0	370.6	383.7	399.5	415.2	428.4	431.0	438.9	436.3	428.4
82.5°	205.0	207.6	212.9	220.8	236.5	249.7	262.8	265.4	273.3	273.3	265.4
85°	97.2	94.6	97.2	102.5	110.4	120.9	134.0	141.9	147.2	147.2	141.9
87.5°	18.4	21.0	18.4	21.0	23.7	31.5	36.8	42.0	49.9	52.6	47.3
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)