

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: P643459

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643459  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6F-722-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 32099.4 lumens  
Efficiency: N/A  
Efficacy: 86.1 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

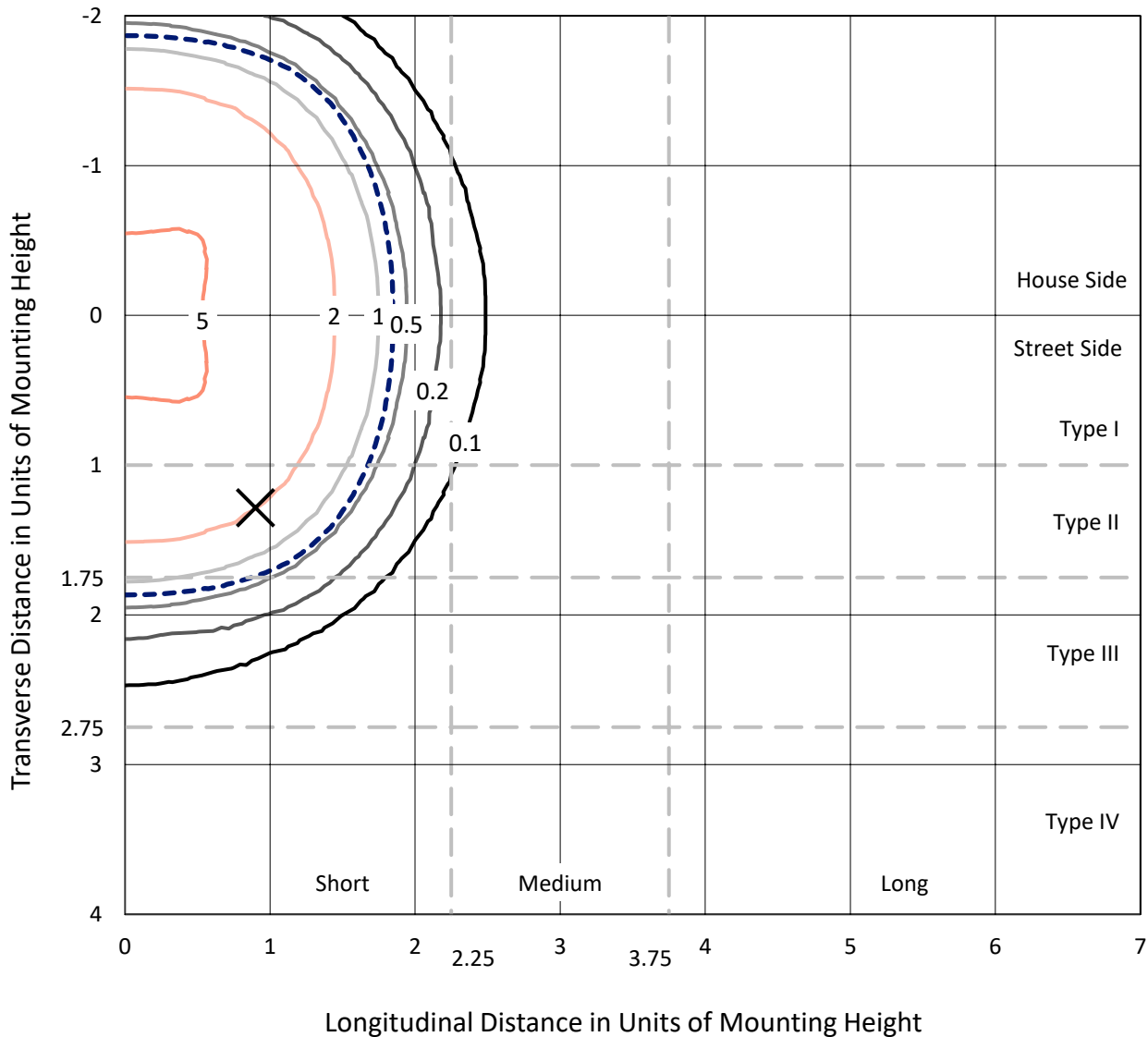


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### Iso-Footcandle Lines of Horizontal Illumination

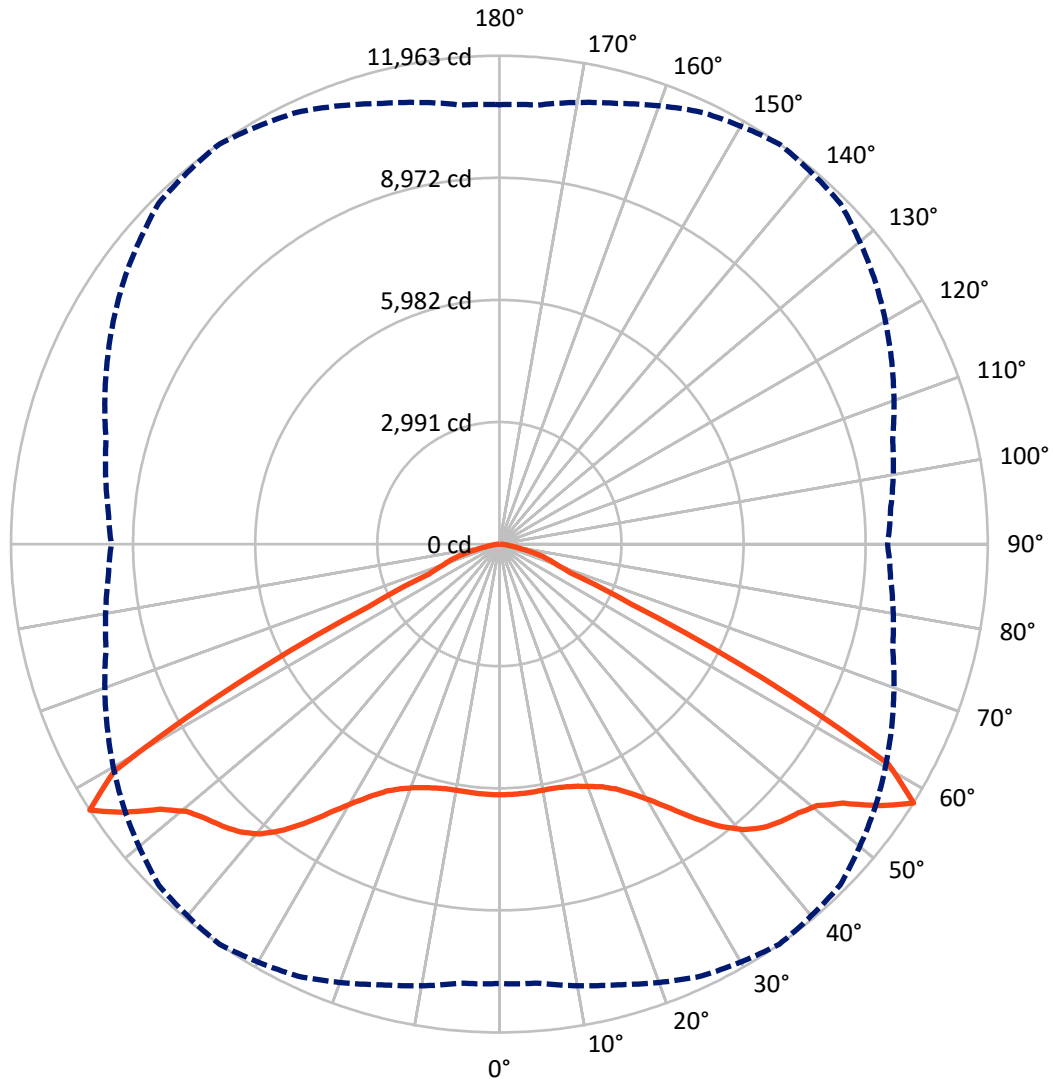
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 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	16049.7	0.0	16049.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16049.7	0.0	16049.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32099.4	0.0	32099.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	584.3	1.8
10°-20°	1743.2	5.4
20°-30°	3041.6	9.5
30°-40°	4987.6	15.5
40°-50°	7345.6	22.9
50°-60°	9374.2	29.2
60°-70°	3950.7	12.3
70°-80°	943.7	2.9
80°-90°	128.5	0.4
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°	32099.4	100.0
0°-180°	32099.4	100.0

**Coefficient of Utilization**



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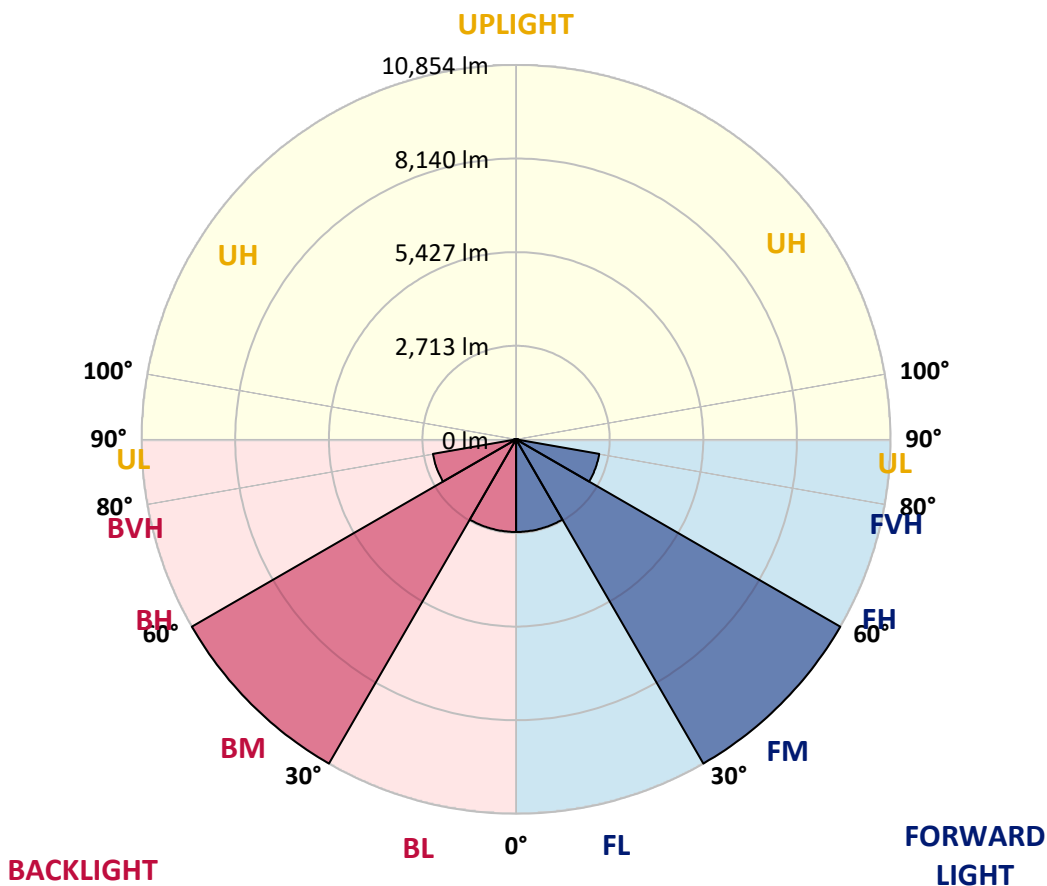
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2684.6	8.4			
FM (30°-60°)	10853.7	33.8			
FH (60°-80°)	2447.2	7.6			G2/5000
FVH (80°-90°)	64.2	0.2			G1/100
BL (0°-30°)	2684.6	8.4	B4/5000		
BM (30°-60°)	10853.7	33.8	B5		
BH (60°-80°)	2447.2	7.6	B3/2500		G2/5000
BVH (80°-90°)	64.2	0.2			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°	6141.9	6141.9	6141.9	6141.9	6141.9	6141.9	6141.9	6141.9	6141.9	6141.9	6141.9
2.5°	6105.1	6105.1	6118.2	6131.3	6136.6	6160.2	6157.6	6149.7	6144.5	6128.7	6149.7
5°	6118.2	6118.2	6128.7	6136.6	6134.0	6152.4	6144.5	6131.3	6123.5	6107.7	6131.3
7.5°	6115.6	6115.6	6123.5	6131.3	6126.1	6141.9	6128.7	6110.3	6097.2	6081.4	6102.4
10°	6081.4	6086.7	6094.5	6112.9	6120.8	6144.5	6126.1	6097.2	6076.2	6057.8	6078.8
12.5°	6076.2	6081.4	6091.9	6115.6	6128.7	6162.9	6139.2	6091.9	6060.4	6036.7	6057.8
15°	6099.8	6105.1	6120.8	6149.7	6170.8	6207.6	6173.4	6107.7	6063.0	6031.5	6049.9
17.5°	6128.7	6136.6	6160.2	6202.3	6236.5	6275.9	6233.8	6155.0	6091.9	6049.9	6065.6
20°	6160.2	6170.8	6207.6	6270.6	6333.7	6383.6	6331.1	6226.0	6149.7	6094.5	6110.3
22.5°	6215.4	6228.6	6275.9	6365.2	6459.9	6533.4	6467.7	6325.8	6226.0	6155.0	6168.1
25°	6328.4	6344.2	6404.7	6512.4	6646.4	6735.8	6643.8	6483.5	6344.2	6257.5	6270.6
27.5°	6528.2	6536.1	6614.9	6756.8	6922.4	7024.9	6914.5	6725.3	6570.2	6470.4	6480.9
30°	6791.0	6814.6	6893.5	7080.1	7277.2	7413.8	7269.3	7045.9	6867.2	6746.3	6756.8
32.5°	7111.6	7127.4	7245.7	7440.1	7724.0	7881.7	7684.5	7419.1	7203.6	7056.4	7066.9
35°	7532.1	7545.3	7658.3	7905.3	8249.6	8396.8	8170.7	7865.9	7616.2	7476.9	7516.3
37.5°	8034.1	8057.7	8139.2	8383.6	8767.3	8911.9	8651.7	8367.8	8107.7	7978.9	8007.8
40°	8572.8	8570.2	8635.9	8851.4	9201.0	9290.3	9056.4	8830.4	8607.0	8522.9	8570.2
42.5°	9035.4	9022.2	9069.5	9248.3	9490.0	9497.9	9342.9	9216.7	9059.0	9001.2	9045.9
45°	9358.6	9363.9	9434.9	9558.4	9681.9	9616.2	9568.9	9547.9	9424.3	9345.5	9353.4
47.5°	9613.6	9634.6	9747.6	9831.7	9847.5	9737.1	9802.8	9834.3	9731.8	9610.9	9576.8
50°	9839.6	9873.7	10020.9	10110.3	10076.1	9936.8	10065.6	10112.9	9886.9	9655.6	9587.3
52.5°	10249.6	10289.0	10467.7	10583.3	10543.9	10404.6	10525.5	10357.3	9976.2	9692.4	9605.7
55°	10904.0	10922.4	11140.5	11329.7	11311.3	11140.5	11043.2	10670.1	10207.5	9913.2	9831.7
57.5°	10764.7	10796.2	11174.7	11679.2	11963.1	11808.0	11237.7	10601.7	9973.6	9618.8	9508.4
60°	8470.3	8546.6	9017.0	9905.3	10946.0	10943.4	9884.3	8896.1	8139.2	7668.8	7621.5
62.5°	4946.1	4998.6	5427.0	6325.8	7258.8	7316.6	6572.9	5894.8	5232.5	4914.5	4762.1
65°	2341.6	2339.0	2509.8	2914.6	3545.3	3595.2	3371.8	3001.3	2609.7	2501.9	2473.0
67.5°	1729.3	1729.3	1716.1	1745.1	1865.9	1892.2	1865.9	1805.5	1768.7	1792.4	1776.6
70°	1500.6	1503.3	1487.5	1479.6	1479.6	1471.7	1482.2	1505.9	1521.7	1553.2	1537.4
72.5°	1216.8	1219.4	1219.4	1222.1	1224.7	1214.2	1229.9	1243.1	1245.7	1256.2	1245.7
75°	864.6	869.9	885.7	898.8	909.3	909.3	914.6	917.2	906.7	919.8	898.8
77.5°	475.7	480.9	509.9	533.5	557.2	559.8	567.7	572.9	567.7	578.2	562.4
80°	262.8	268.1	281.2	291.7	310.1	325.9	336.4	341.7	341.7	349.5	341.7
82.5°	149.8	155.1	162.9	168.2	184.0	197.1	207.6	215.5	215.5	218.1	212.9
85°	71.0	71.0	76.2	81.5	89.4	94.6	107.8	115.6	115.6	120.9	115.6
87.5°	10.5	13.1	15.8	15.8	21.0	26.3	31.5	34.2	39.4	42.0	42.0
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)