

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: P642469

Luminaire Tested: GWS-SA6D-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642469  
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-SA6D-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**

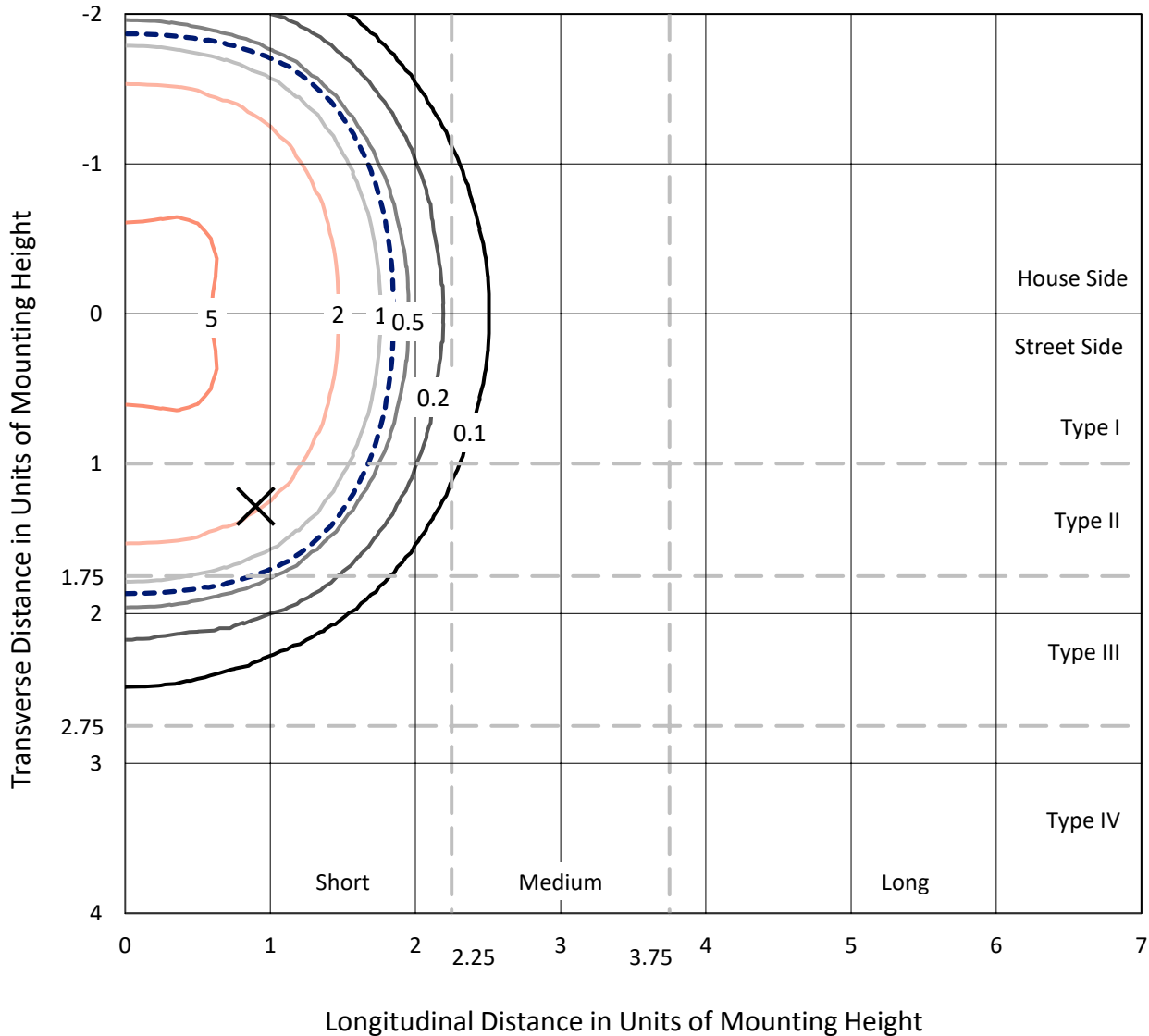
Lumens per Lamp: N/A  
Luminaire Lumens: 23103.3 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

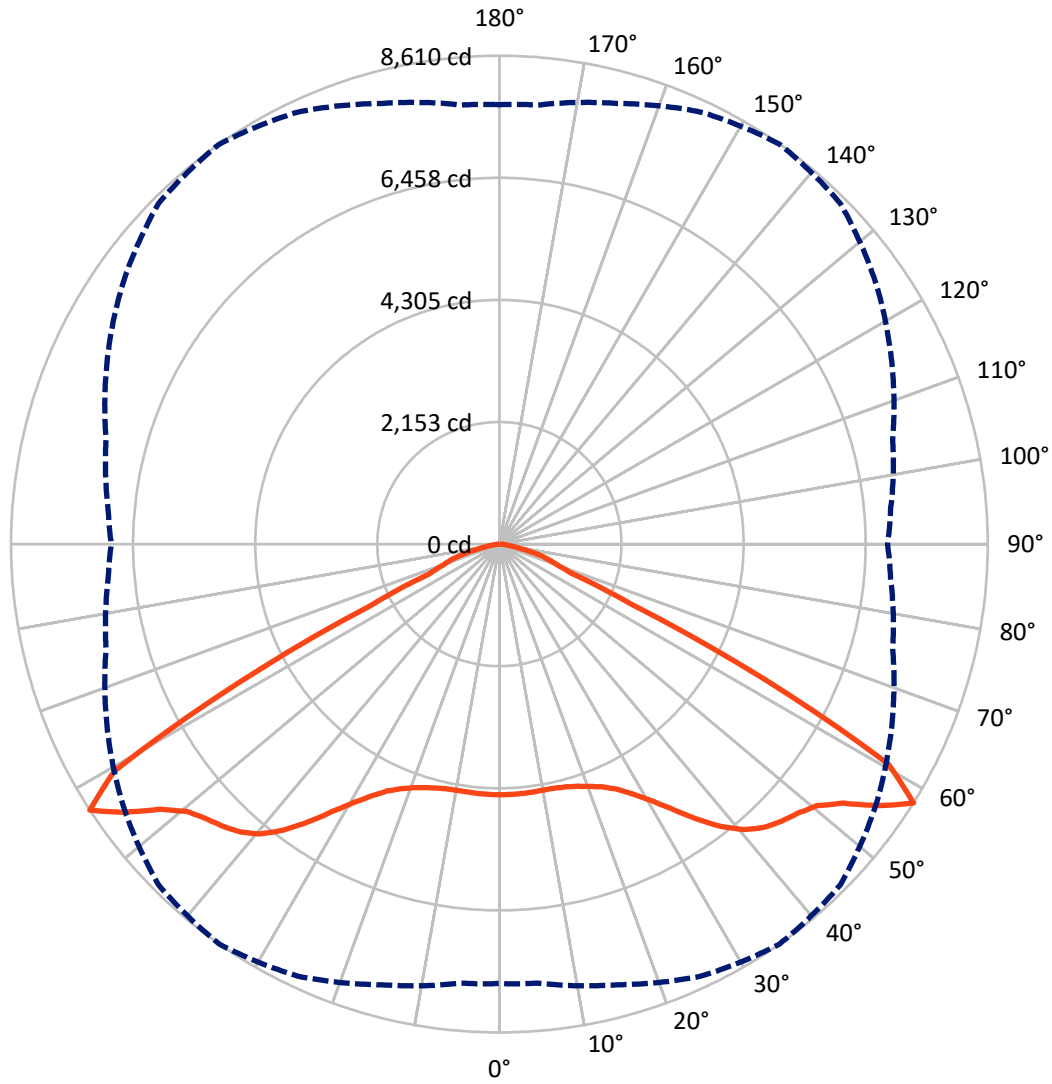
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	11551.7	0.0	11551.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11551.7	0.0	11551.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23103.3	0.0	23103.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	420.5	1.8
10°-20°	1254.7	5.4
20°-30°	2189.2	9.5
30°-40°	3589.8	15.5
40°-50°	5286.9	22.9
50°-60°	6747.0	29.2
60°-70°	2843.5	12.3
70°-80°	679.3	2.9
80°-90°	92.5	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°	23103.3	100.0
0°-180°	23103.3	100.0

**Coefficient of Utilization**



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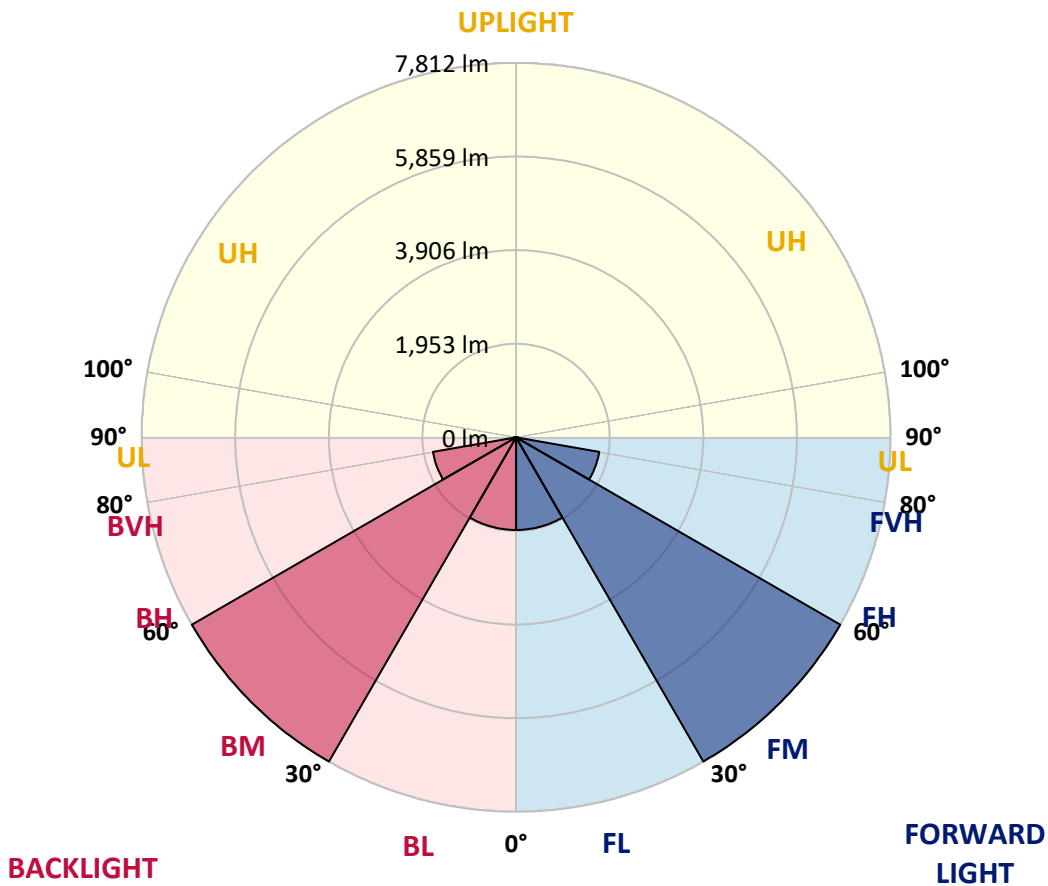
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1932.2	8.4			
FM (30°-60°)	7811.9	33.8			
FH (60°-80°)	1761.4	7.6			G1/1800
FVH (80°-90°)	46.2	0.2			G1/100
BL (0°-30°)	1932.2	8.4	B3/2500		
BM (30°-60°)	7811.9	33.8	B4/8500		
BH (60°-80°)	1761.4	7.6	B3/2500		G1/1800
BVH (80°-90°)	46.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6	4420.6
2.5°	4394.1	4394.1	4403.5	4413.0	4416.8	4433.8	4431.9	4426.2	4422.4	4411.1	4426.2
5°	4403.5	4403.5	4411.1	4416.8	4414.9	4428.1	4422.4	4413.0	4407.3	4396.0	4413.0
7.5°	4401.6	4401.6	4407.3	4413.0	4409.2	4420.6	4411.1	4397.9	4388.4	4377.0	4392.2
10°	4377.0	4380.8	4386.5	4399.7	4405.4	4422.4	4409.2	4388.4	4373.3	4360.0	4375.2
12.5°	4373.3	4377.0	4384.6	4401.6	4411.1	4435.7	4418.7	4384.6	4361.9	4344.9	4360.0
15°	4390.3	4394.1	4405.4	4426.2	4441.4	4467.8	4443.3	4396.0	4363.8	4341.1	4354.3
17.5°	4411.1	4416.8	4433.8	4464.1	4488.6	4517.0	4486.8	4430.0	4384.6	4354.3	4365.7
20°	4433.8	4441.4	4467.8	4513.2	4558.6	4594.6	4556.7	4481.1	4426.2	4386.5	4397.9
22.5°	4473.5	4483.0	4517.0	4581.3	4649.4	4702.4	4655.1	4553.0	4481.1	4430.0	4439.5
25°	4554.9	4566.2	4609.7	4687.3	4783.7	4848.0	4781.8	4666.5	4566.2	4503.8	4513.2
27.5°	4698.6	4704.3	4761.0	4863.2	4982.3	5056.1	4976.7	4840.5	4728.9	4657.0	4664.6
30°	4887.8	4904.8	4961.5	5095.8	5237.7	5336.1	5232.0	5071.2	4942.6	4855.6	4863.2
32.5°	5118.5	5129.9	5215.0	5355.0	5559.3	5672.8	5530.9	5339.8	5184.7	5078.8	5086.4
35°	5421.2	5430.6	5512.0	5689.8	5937.6	6043.5	5880.8	5661.4	5481.7	5381.5	5409.8
37.5°	5782.5	5799.5	5858.1	6034.0	6310.2	6414.2	6227.0	6022.7	5835.4	5742.7	5763.6
40°	6170.2	6168.3	6215.6	6370.7	6622.3	6686.6	6518.3	6355.6	6194.8	6134.3	6168.3
42.5°	6503.1	6493.7	6527.7	6656.4	6830.4	6836.1	6724.5	6633.7	6520.2	6478.6	6510.7
45°	6735.8	6739.6	6790.7	6879.6	6968.5	6921.2	6887.1	6872.0	6783.1	6726.4	6732.0
47.5°	6919.3	6934.4	7015.8	7076.3	7087.6	7008.2	7055.5	7078.2	7004.4	6917.4	6892.8
50°	7082.0	7106.6	7212.5	7276.8	7252.2	7152.0	7244.6	7278.7	7116.0	6949.6	6900.4
52.5°	7377.0	7405.4	7534.0	7617.3	7588.9	7488.6	7575.7	7454.6	7180.3	6976.0	6913.6
55°	7848.0	7861.3	8018.3	8154.5	8141.2	8018.3	7948.3	7679.7	7346.8	7134.9	7076.3
57.5°	7747.8	7770.5	8042.9	8406.0	8610.3	8498.7	8088.3	7630.5	7178.4	6923.1	6843.6
60°	6096.5	6151.3	6489.9	7129.3	7878.3	7876.4	7114.1	6402.9	5858.1	5519.5	5485.5
62.5°	3559.9	3597.7	3906.1	4553.0	5224.5	5266.1	4730.8	4242.7	3766.1	3537.2	3427.5
65°	1685.4	1683.5	1806.4	2097.7	2551.7	2587.6	2426.9	2160.1	1878.3	1800.8	1779.9
67.5°	1244.6	1244.6	1235.2	1256.0	1343.0	1361.9	1343.0	1299.5	1273.0	1290.0	1278.7
70°	1080.1	1082.0	1070.6	1064.9	1064.9	1059.3	1066.8	1083.9	1095.2	1117.9	1106.6
72.5°	875.8	877.7	877.7	879.6	881.5	873.9	885.2	894.7	896.6	904.2	896.6
75°	622.3	626.1	637.5	646.9	654.5	654.5	658.3	660.2	652.6	662.0	646.9
77.5°	342.4	346.2	367.0	384.0	401.0	402.9	408.6	412.4	408.6	416.1	404.8
80°	189.2	192.9	202.4	210.0	223.2	234.6	242.1	245.9	245.9	251.6	245.9
82.5°	107.8	111.6	117.3	121.1	132.4	141.9	149.4	155.1	155.1	157.0	153.2
85°	51.1	51.1	54.9	58.6	64.3	68.1	77.6	83.2	83.2	87.0	83.2
87.5°	7.6	9.5	11.3	11.3	15.1	18.9	22.7	24.6	28.4	30.3	30.3
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)