

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: P642967

Luminaire Tested: GWS-SA6E-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642967  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-722-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

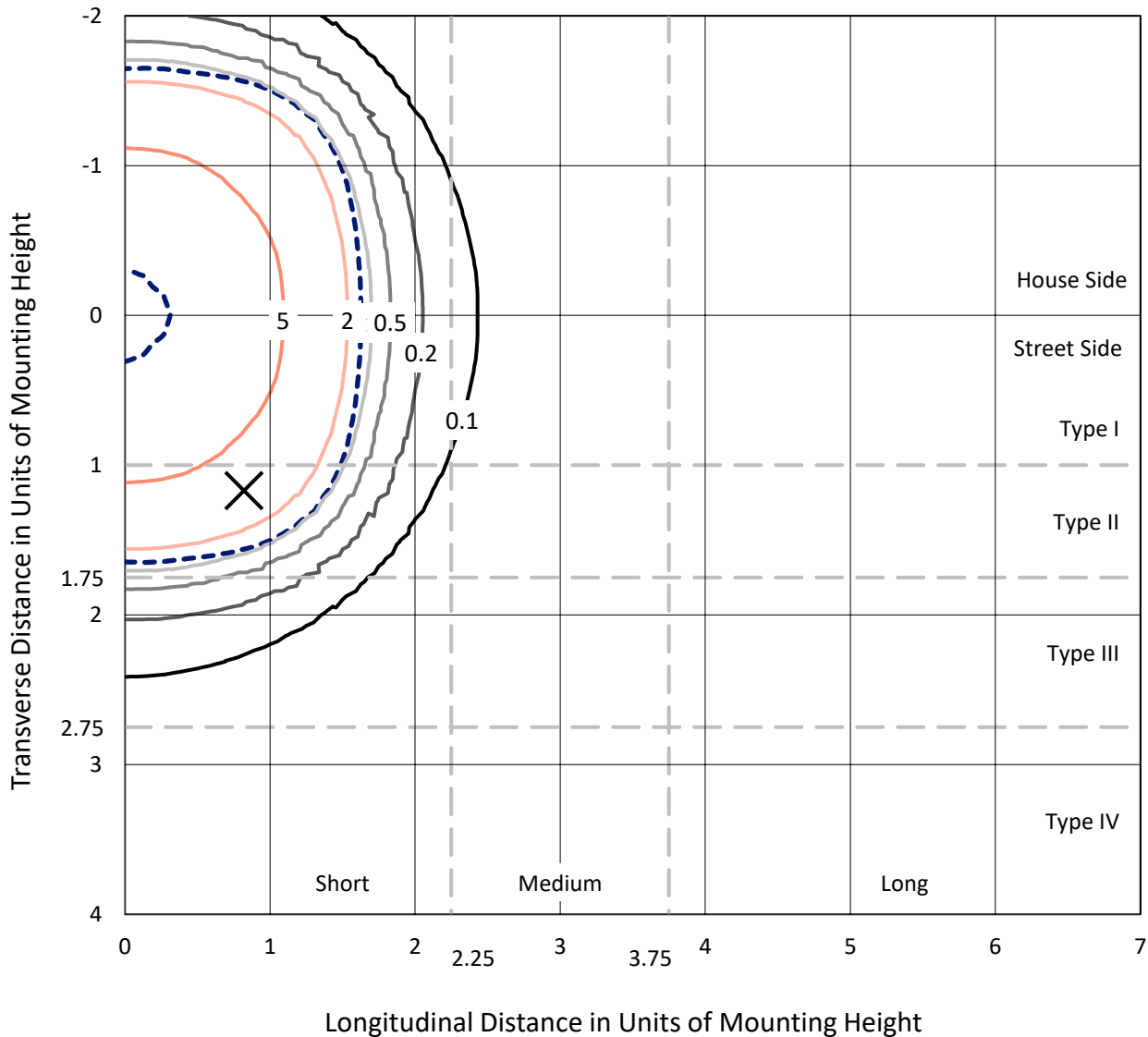
Lumens per Lamp: N/A  
Luminaire Lumens: 29892.2 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

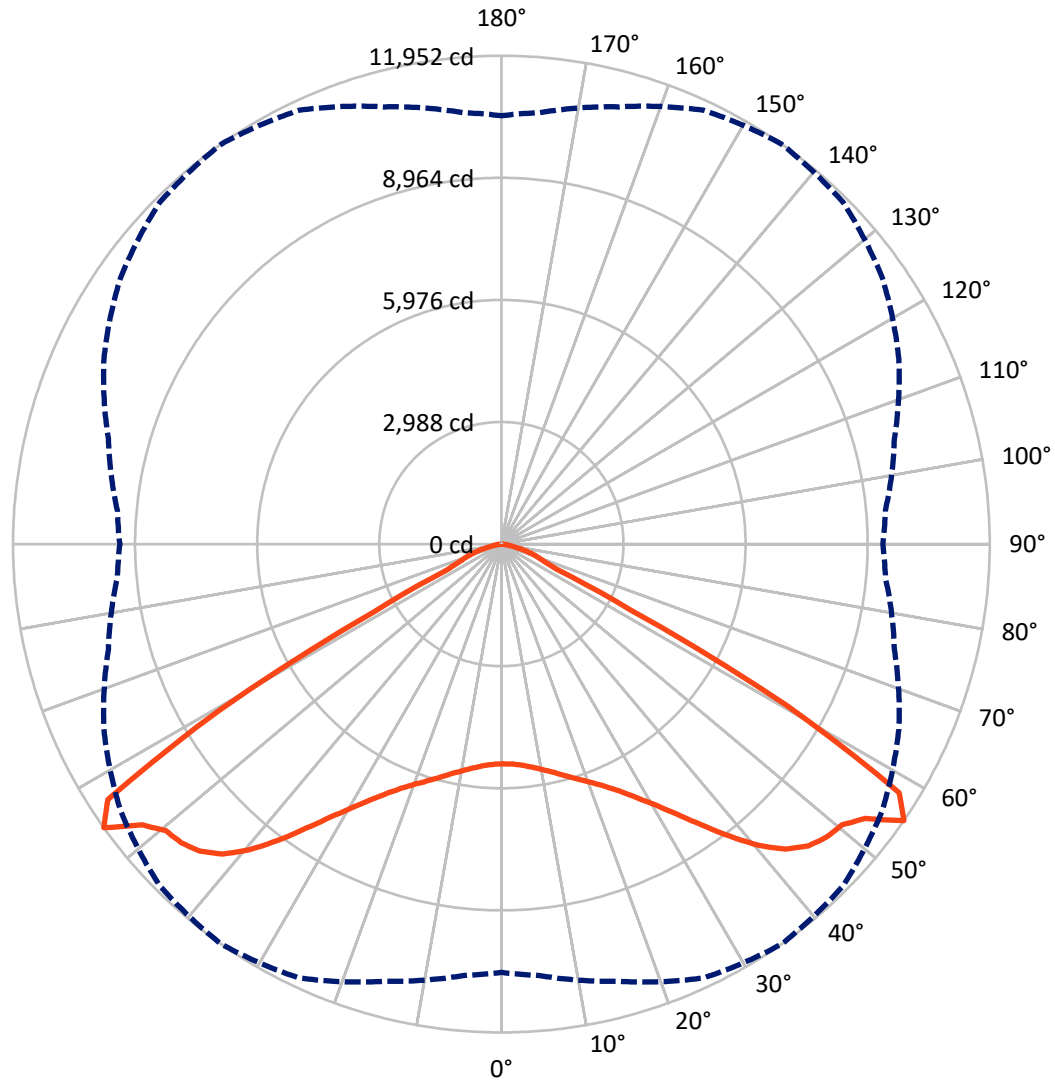
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14946.1	0.0	14946.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14946.1	0.0	14946.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29892.2	0.0	29892.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	524.5	1.8
10°-20°	1670.0	5.6
20°-30°	3090.8	10.3
30°-40°	5170.3	17.3
40°-50°	7878.6	26.4
50°-60°	8825.7	29.5
60°-70°	2088.3	7.0
70°-80°	563.0	1.9
80°-90°	81.0	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°	29892.2	100.0
0°-180°	29892.2	100.0

**Coefficient of Utilization**



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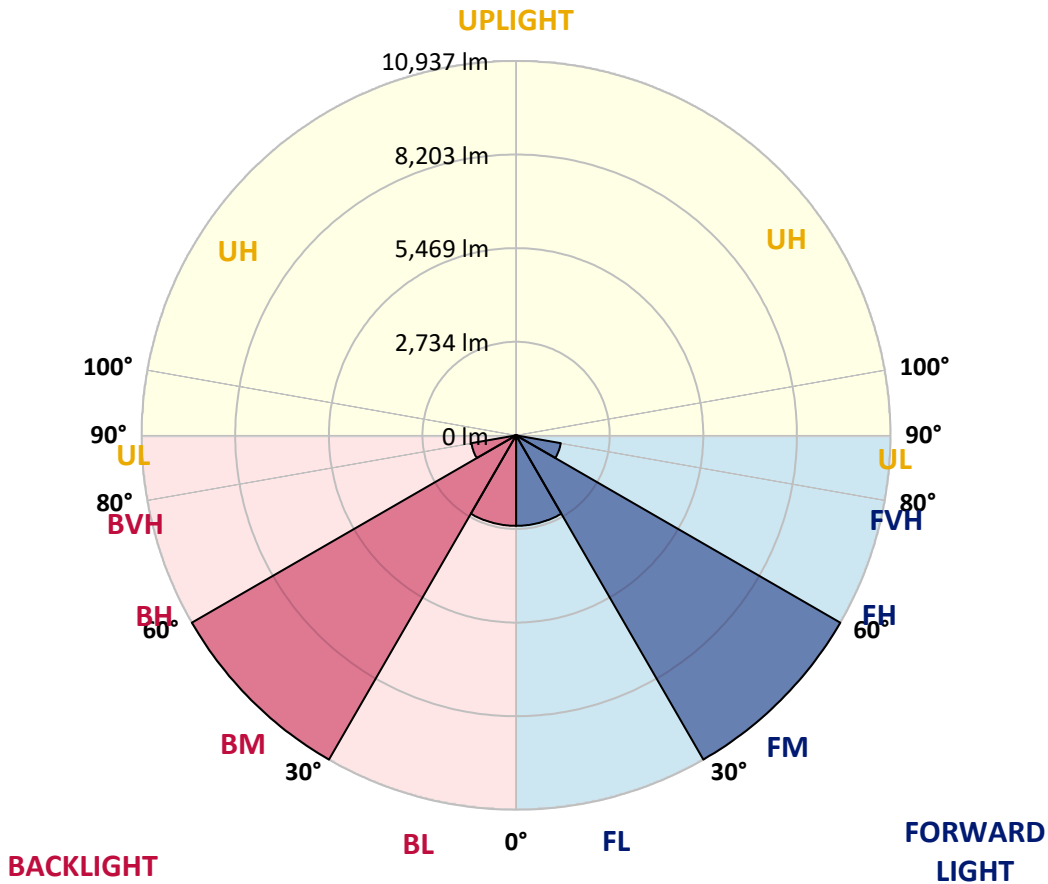
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2642.6	8.8			
FM (30°-60°)	10937.3	36.6			
FH (60°-80°)	1325.6	4.4			G1/1800
FVH (80°-90°)	40.5	0.1			G1/100
BL (0°-30°)	2642.6	8.8	B4/5000		
BM (30°-60°)	10937.3	36.6	B5		
BH (60°-80°)	1325.6	4.4	B3/2500		G1/1800
BVH (80°-90°)	40.5	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7
2.5°	5365.9	5365.9	5375.3	5387.1	5389.5	5413.1	5408.4	5399.0	5394.2	5384.8	5406.1
5°	5425.0	5427.3	5434.4	5441.5	5436.8	5455.7	5448.6	5436.8	5429.7	5417.9	5439.1
7.5°	5503.0	5503.0	5510.1	5519.5	5514.8	5543.2	5529.0	5512.4	5500.6	5486.4	5505.3
10°	5573.9	5578.6	5585.7	5604.6	5614.1	5644.8	5635.3	5611.7	5592.8	5576.2	5597.5
12.5°	5680.3	5685.0	5692.1	5718.1	5734.6	5765.4	5751.2	5718.1	5689.7	5666.1	5689.7
15°	5817.4	5812.6	5831.5	5864.6	5885.9	5914.3	5897.7	5841.0	5803.2	5772.4	5796.1
17.5°	5956.8	5954.5	5973.4	6015.9	6046.6	6084.5	6056.1	5989.9	5949.7	5911.9	5935.5
20°	6108.1	6115.2	6134.1	6174.3	6219.2	6268.8	6245.2	6174.3	6129.4	6086.8	6105.7
22.5°	6294.8	6297.2	6318.5	6370.5	6429.6	6476.9	6462.7	6375.2	6318.5	6273.6	6297.2
25°	6519.4	6517.0	6545.4	6606.9	6689.6	6736.9	6706.2	6609.2	6547.8	6495.8	6514.7
27.5°	6777.1	6774.7	6817.3	6897.6	7015.8	7082.0	7018.2	6897.6	6812.5	6739.2	6755.8
30°	7100.9	7093.8	7141.1	7249.8	7403.5	7514.6	7420.0	7252.2	7141.1	7063.1	7079.6
32.5°	7460.2	7469.7	7528.8	7675.3	7869.2	8013.3	7871.5	7684.8	7535.9	7422.4	7441.3
35°	7855.0	7855.0	7975.5	8157.5	8434.1	8625.6	8405.7	8136.3	7937.7	7781.7	7786.4
37.5°	8294.6	8299.4	8457.7	8708.3	9070.0	9294.5	8996.7	8663.4	8422.3	8254.5	8245.0
40°	8831.2	8845.4	9008.5	9287.4	9694.0	9899.7	9580.6	9254.3	9008.5	8810.0	8791.0
42.5°	9436.4	9441.1	9613.6	9864.2	10207.0	10329.9	10079.3	9812.2	9611.3	9431.6	9412.7
45°	10013.1	10001.3	10150.2	10337.0	10535.5	10547.4	10407.9	10299.2	10124.2	9970.6	9942.2
47.5°	10462.3	10452.8	10587.5	10689.2	10712.8	10597.0	10641.9	10658.5	10455.2	10247.2	10192.8
50°	10736.5	10755.4	10883.0	10939.8	10800.3	10611.2	10781.4	10738.8	10448.1	10176.2	10088.8
52.5°	10901.9	10930.3	11152.5	11296.7	11152.5	10972.8	10996.5	10745.9	10327.5	9968.2	9854.8
55°	10483.5	10597.0	11076.9	11715.1	11951.5	11826.2	11377.1	10731.7	9956.4	9434.0	9337.1
57.5°	7769.9	7949.5	8661.0	10043.9	11481.1	11937.3	10625.4	8996.7	7821.9	7150.6	7093.8
60°	3966.5	4167.4	4737.1	6157.7	8006.3	8649.2	7401.1	5760.6	4578.7	4035.0	3973.6
62.5°	1619.2	1652.3	1839.1	2387.5	3538.6	4082.3	3585.9	2517.5	1891.1	1742.1	1744.5
65°	1274.1	1281.2	1271.7	1304.8	1482.1	1645.2	1519.9	1335.6	1302.5	1319.0	1307.2
67.5°	1111.0	1113.4	1106.3	1106.3	1113.4	1106.3	1120.4	1127.5	1132.3	1151.2	1139.4
70°	929.0	931.3	931.3	936.1	933.7	921.9	943.2	952.6	955.0	966.8	959.7
72.5°	718.6	725.7	730.4	732.8	730.4	723.3	735.1	751.7	749.3	761.1	749.3
75°	486.9	496.4	501.1	510.6	508.2	508.2	522.4	529.5	522.4	531.9	522.4
77.5°	276.6	283.7	297.8	307.3	316.8	323.8	333.3	338.0	335.7	340.4	335.7
80°	160.7	163.1	174.9	179.7	191.5	203.3	212.7	217.5	219.8	222.2	219.8
82.5°	92.2	94.6	99.3	104.0	113.5	122.9	132.4	139.5	139.5	141.8	139.5
85°	44.9	44.9	47.3	49.6	54.4	61.5	68.6	75.6	78.0	78.0	78.0
87.5°	7.1	7.1	9.5	9.5	11.8	14.2	18.9	23.6	26.0	26.0	26.0
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)