

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: P631584

Luminaire Tested: GWS-SA2B-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631584  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-722-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

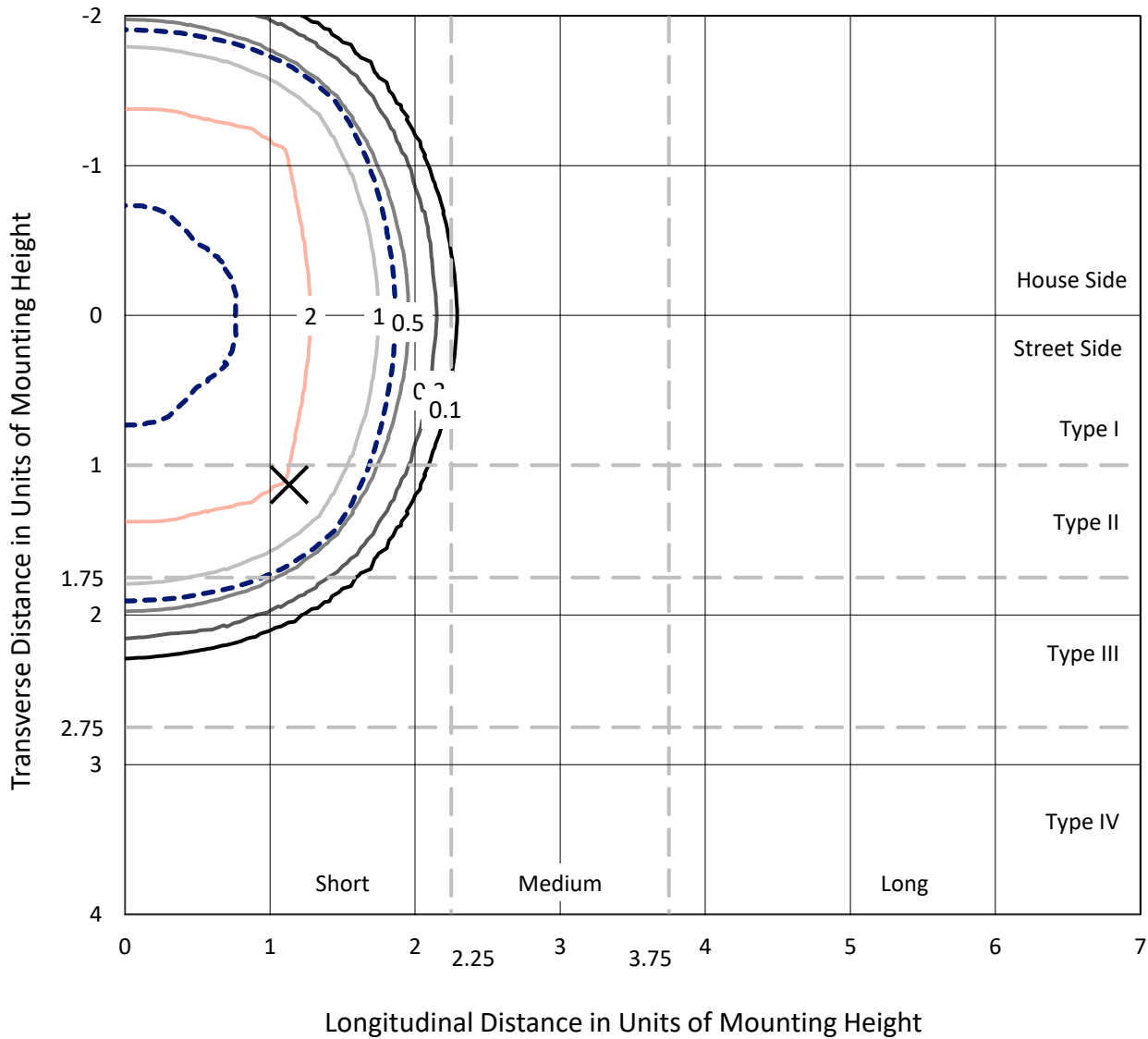
Lumens per Lamp: N/A  
Luminaire Lumens: 2675.2 lumens  
Efficiency: N/A  
Efficacy: 57.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

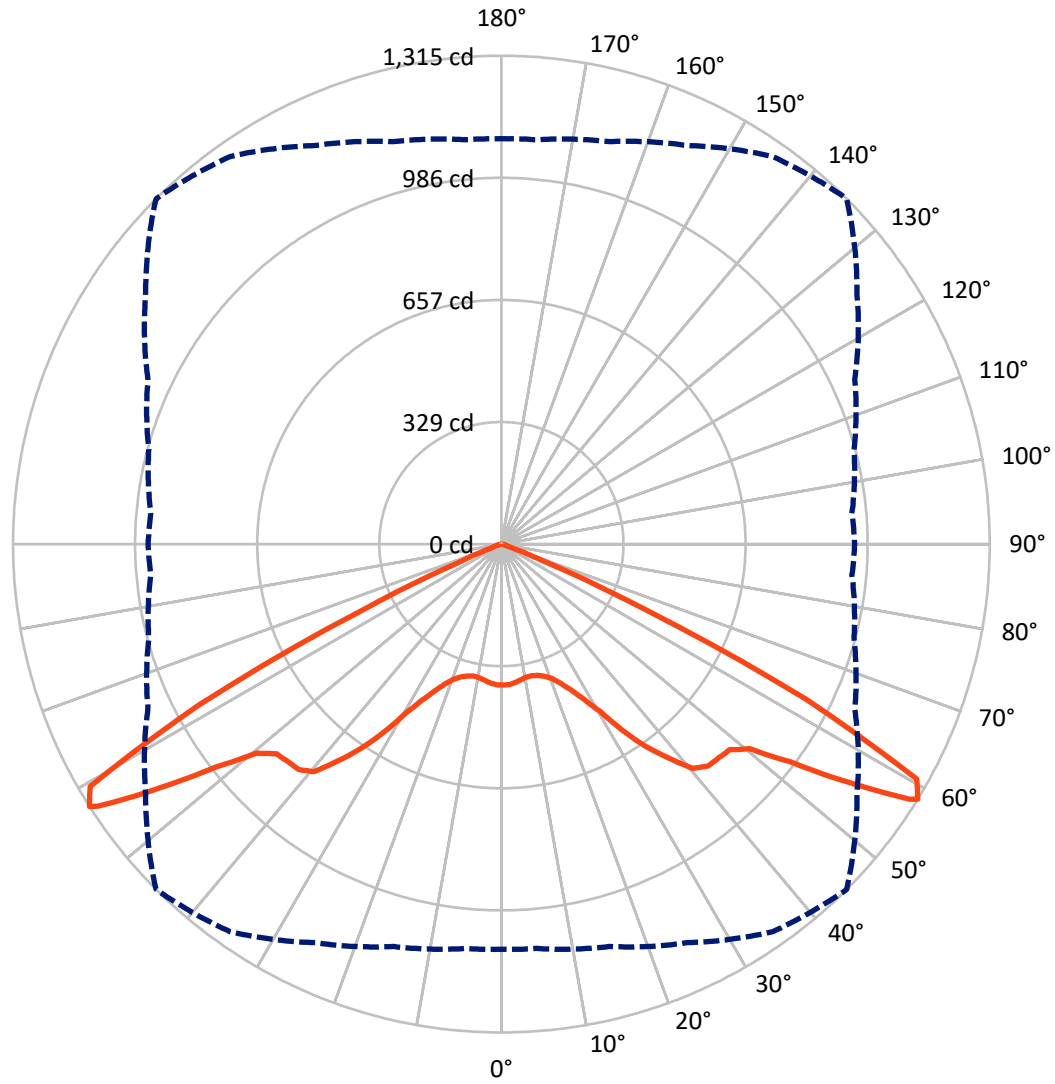
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1337.6	0.0	1337.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1337.6	0.0	1337.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2675.2	0.0	2675.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.4	1.3
10°-20°	104.7	3.9
20°-30°	198.1	7.4
30°-40°	390.7	14.6
40°-50°	618.2	23.1
50°-60°	908.8	34.0
60°-70°	405.6	15.2
70°-80°	13.6	0.5
80°-90°	0.1	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°	2675.2	100.0
0°-180°	2675.2	100.0

**Coefficient of Utilization**



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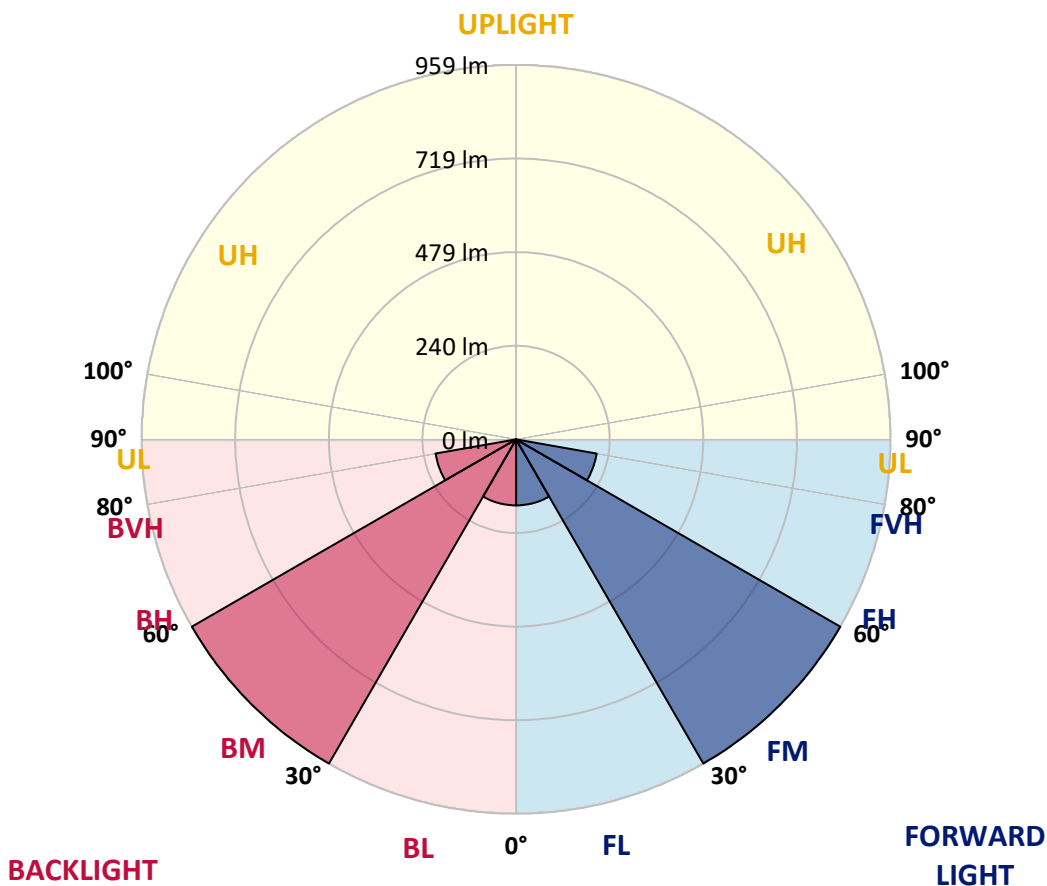
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.1	6.3			
FM (30°-60°)	958.8	35.8			
FH (60°-80°)	209.6	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	169.1	6.3	B1/500		
BM (30°-60°)	958.8	35.8	B1/1000		
BH (60°-80°)	209.6	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4	379.4
2.5°	375.7	376.5	377.2	377.6	377.9	379.0	379.4	378.3	378.3	376.1	378.7
5°	373.9	374.6	375.4	375.0	375.0	375.0	374.6	373.2	372.8	370.6	373.2
7.5°	370.6	371.4	371.4	370.3	369.5	369.5	369.2	367.4	367.0	364.8	367.4
10°	368.1	368.4	368.1	365.9	364.4	364.4	364.1	363.3	363.7	362.3	364.4
12.5°	369.5	369.9	368.4	365.5	363.7	363.3	362.3	361.2	362.3	361.9	364.1
15°	374.3	374.6	372.1	368.4	367.0	367.0	364.1	361.2	362.6	363.0	365.5
17.5°	380.1	380.1	376.8	373.5	373.9	373.9	369.2	364.1	364.4	365.9	368.4
20°	387.0	387.0	383.8	383.0	385.6	385.9	380.1	372.1	370.3	371.4	374.3
22.5°	399.4	399.4	396.9	398.7	404.5	406.3	397.6	386.3	381.9	382.7	385.6
25°	418.7	418.7	418.0	422.4	430.8	434.8	423.1	408.2	400.9	399.8	403.1
27.5°	451.2	451.5	450.4	457.0	467.6	472.3	456.3	436.6	427.8	426.0	429.3
30°	493.1	493.1	493.4	502.6	516.4	522.6	501.5	478.5	468.3	462.5	466.8
32.5°	539.7	540.5	544.1	559.4	583.8	596.6	565.6	533.5	517.1	510.9	515.7
35°	616.6	609.7	605.3	616.6	652.0	668.7	629.0	591.5	579.1	578.4	590.4
37.5°	692.8	688.8	679.7	691.3	723.0	730.7	687.0	655.6	646.9	651.6	663.6
40°	753.3	746.0	734.0	744.9	786.5	794.1	740.2	709.2	705.9	716.5	732.9
42.5°	801.0	790.8	774.8	777.3	810.9	816.3	768.6	745.3	747.5	760.6	779.2
45°	822.5	814.5	800.3	799.2	820.3	820.7	783.2	771.1	777.0	787.2	801.8
47.5°	831.6	828.0	820.0	818.2	830.2	827.3	803.9	798.8	804.3	807.2	815.6
50°	854.2	854.2	855.3	856.8	869.2	866.3	849.9	844.0	837.1	826.9	829.5
52.5°	917.7	920.2	930.8	942.4	965.0	974.5	947.9	914.0	880.8	858.6	858.6
55°	1032.1	1034.6	1047.0	1066.7	1108.3	1130.8	1068.9	994.2	948.6	918.4	922.4
57.5°	1095.1	1098.0	1123.6	1176.8	1257.3	1295.6	1162.6	1051.8	988.0	953.4	956.3
58°	1091.1	1092.9	1121.7	1184.1	1273.7	1314.9	1169.1	1049.9	982.9	947.5	951.2
60°	969.4	966.9	1012.8	1101.7	1228.2	1285.0	1103.9	958.5	880.5	844.4	846.2
62.5°	633.8	635.2	674.9	767.9	866.3	919.8	771.1	662.9	600.2	578.4	572.9
65°	264.6	259.8	284.3	336.0	395.0	424.9	365.2	309.0	270.4	255.8	259.8
67.5°	68.1	66.3	67.8	84.9	103.9	122.8	103.1	78.7	68.5	69.2	69.2
70°	38.6	36.4	29.5	27.3	26.6	26.6	26.6	26.6	30.6	36.1	37.2
72.5°	29.2	27.3	21.5	18.6	16.4	15.3	16.0	18.6	22.2	27.0	27.7
75°	14.6	14.6	13.1	12.4	10.9	10.2	10.6	11.7	13.5	15.3	14.9
77.5°	2.9	3.3	3.6	4.4	3.6	3.6	3.6	4.4	4.4	4.7	4.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)