

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: P629380

Luminaire Tested: GWS-SA1B-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629380  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

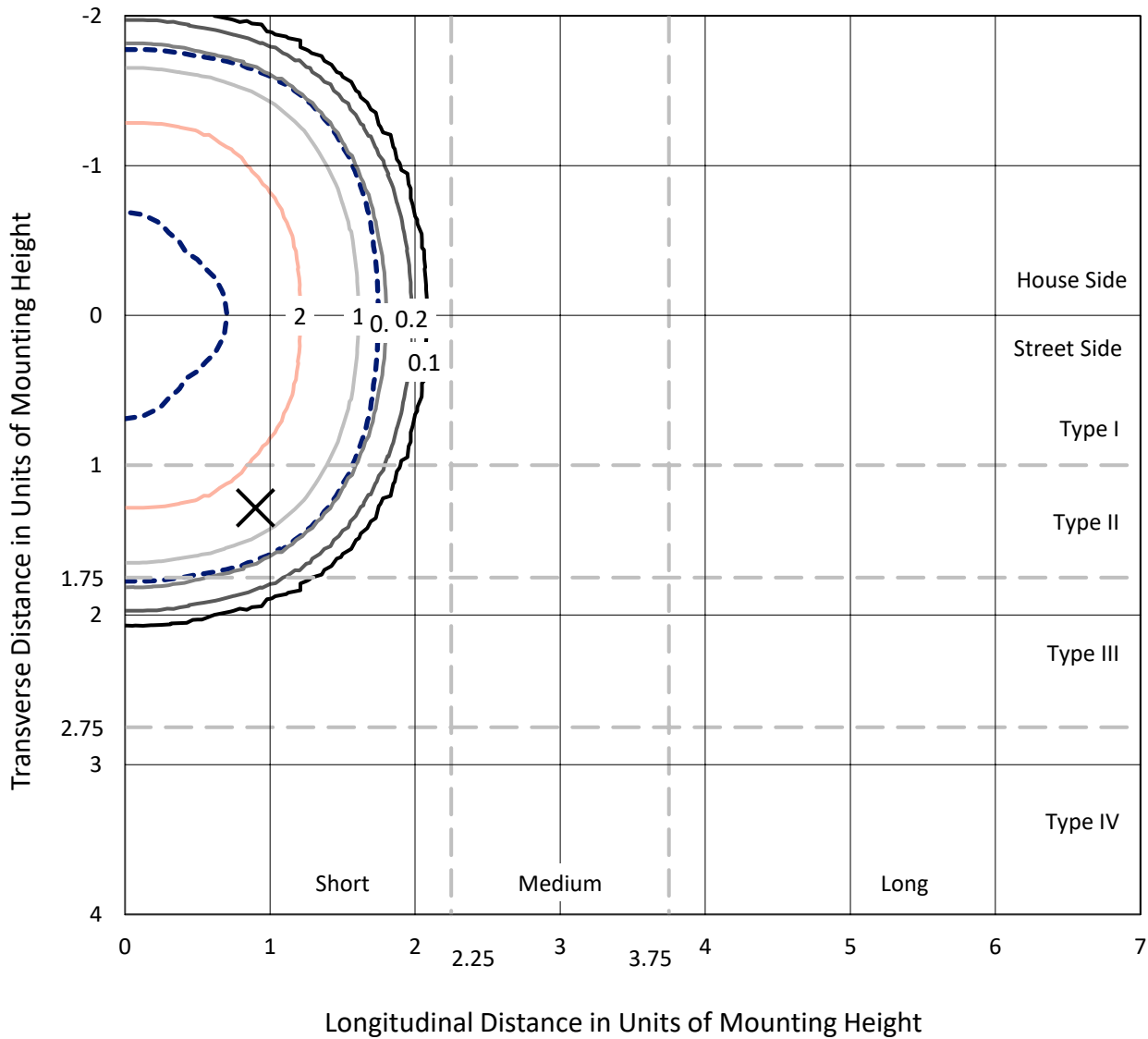
Lumens per Lamp: N/A  
Luminaire Lumens: 2240 lumens  
Efficiency: N/A  
Efficacy: 89.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

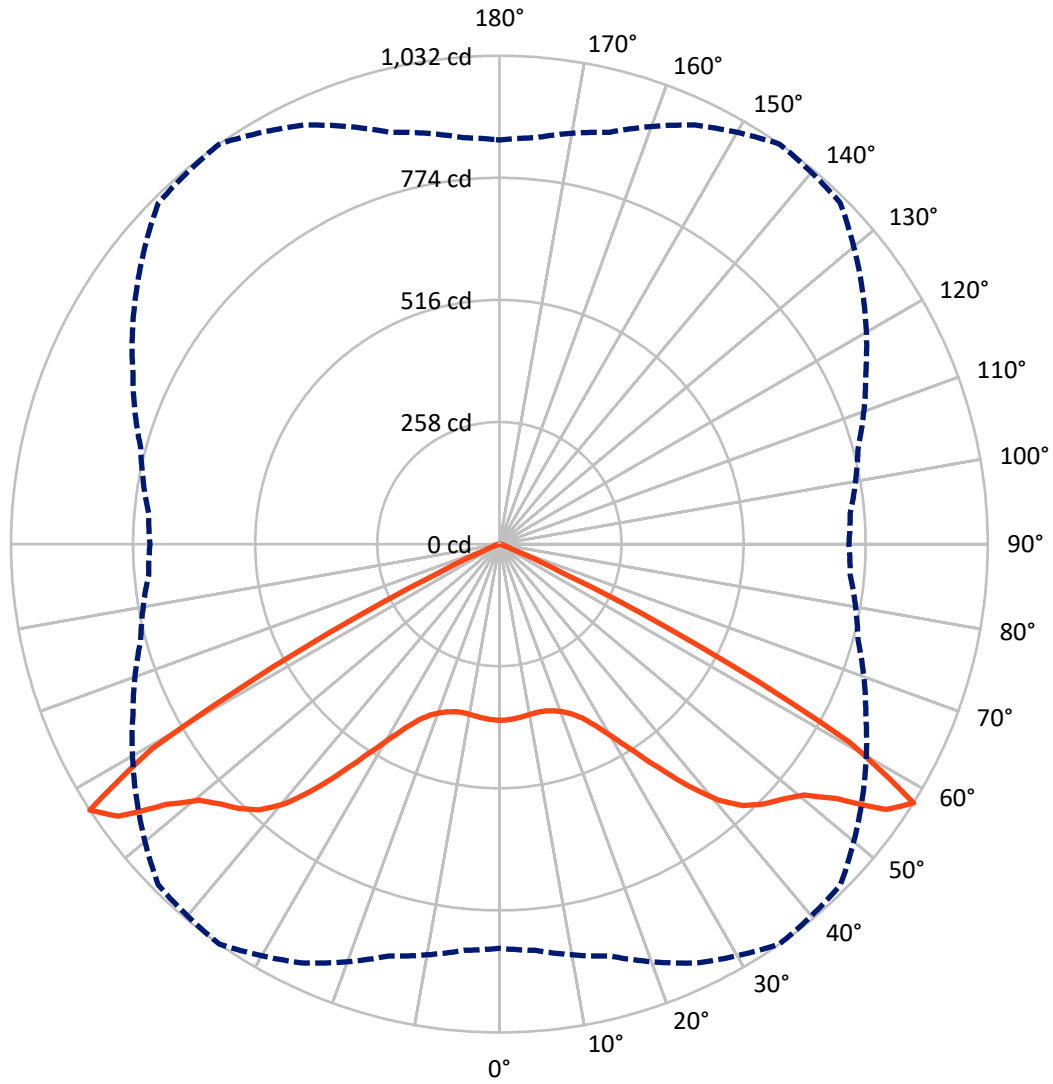
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 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	1120.0	0.0	1120.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1120.0	0.0	1120.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2240.0	0.0	2240.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.1	1.6
10°-20°	103.2	4.6
20°-30°	186.6	8.3
30°-40°	348.1	15.5
40°-50°	583.9	26.1
50°-60°	771.0	34.4
60°-70°	204.8	9.1
70°-80°	7.3	0.3
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°	2240.0	100.0
0°-180°	2240.0	100.0

**Coefficient of Utilization**



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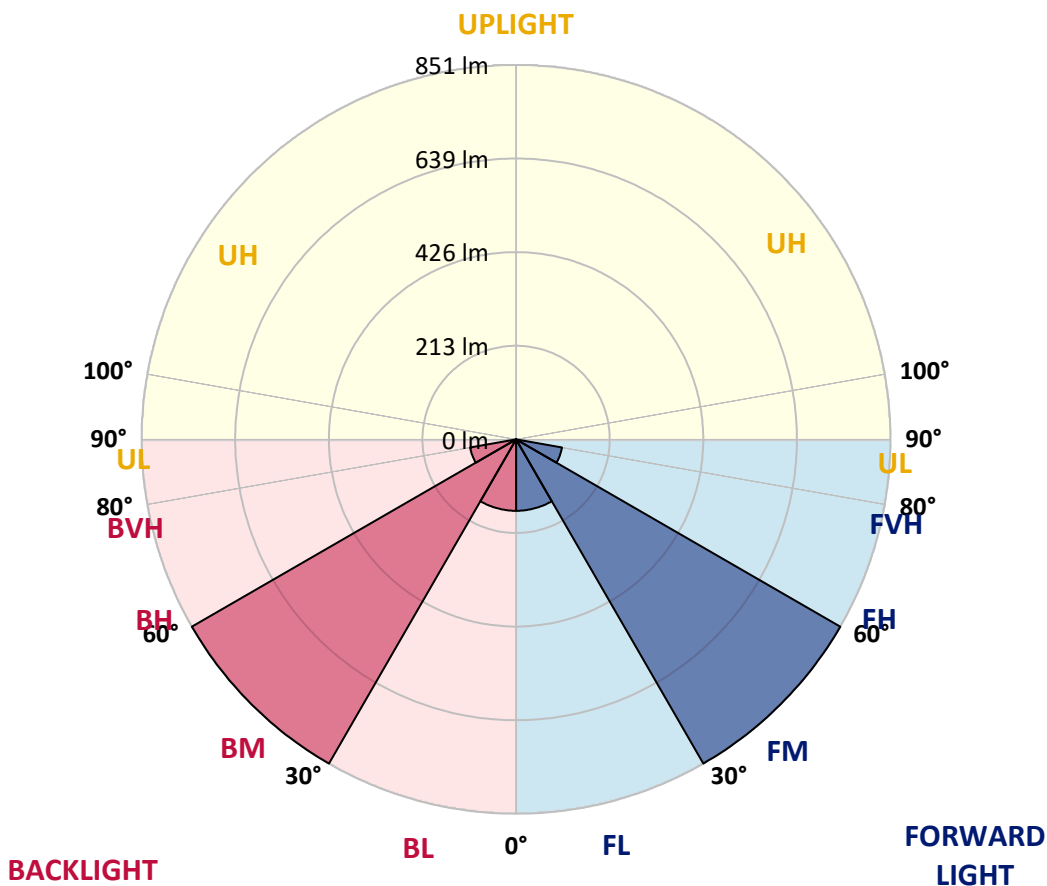
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.4	7.3			
FM (30°-60°)	851.5	38.0			
FH (60°-80°)	106.0	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	162.4	7.3	B1/500		
BM (30°-60°)	851.5	38.0	B1/1000		
BH (60°-80°)	106.0	4.7	B0/110		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°	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4
2.5°	369.8	369.5	370.6	371.4	371.4	373.2	372.7	372.2	371.6	370.8	372.7
5°	369.3	369.0	369.8	370.3	369.8	371.4	370.3	369.3	368.7	367.7	369.8
7.5°	366.9	367.2	367.7	368.2	367.4	368.7	367.4	365.8	364.5	363.5	365.3
10°	363.2	363.5	364.0	365.1	365.3	367.2	365.3	362.4	360.6	359.0	360.9
12.5°	361.4	361.6	362.4	363.7	364.0	366.4	364.0	359.8	357.2	355.3	357.2
15°	361.9	362.4	363.5	365.1	365.6	368.0	364.8	359.3	355.6	353.2	354.8
17.5°	363.7	364.3	365.8	368.5	370.3	372.7	368.7	361.6	356.7	353.2	354.8
20°	366.1	366.9	369.5	373.7	377.7	381.9	376.9	367.2	360.6	356.4	357.7
22.5°	372.7	373.5	377.2	382.7	389.2	394.5	388.5	376.1	367.2	361.6	363.0
25°	386.1	386.9	391.6	398.7	407.1	413.9	406.3	390.8	379.3	372.9	373.5
27.5°	407.1	407.9	413.4	423.4	434.7	444.4	433.4	415.3	402.1	394.8	394.8
30°	433.7	434.7	442.1	455.5	473.1	486.0	471.0	448.9	432.1	422.1	422.4
32.5°	467.8	466.8	477.3	495.7	520.7	537.7	515.7	488.9	468.1	454.2	455.5
35°	511.7	511.5	523.3	548.2	580.8	601.3	575.1	540.4	515.4	501.2	501.5
37.5°	568.2	568.0	581.6	608.7	647.9	664.9	635.5	600.3	573.5	559.8	561.4
40°	634.5	632.9	645.0	671.0	710.1	721.2	689.1	660.7	635.0	626.3	630.5
42.5°	697.5	694.1	701.2	724.9	755.1	756.7	732.5	713.0	695.4	688.6	691.2
45°	748.3	745.6	752.2	765.9	783.2	775.3	763.8	757.7	743.5	736.2	738.5
47.5°	786.1	786.1	794.0	802.4	805.0	790.6	792.4	792.4	778.2	766.7	763.8
50°	818.7	821.1	832.9	841.6	832.9	814.5	825.0	822.9	794.0	770.9	764.8
52.5°	870.7	873.1	891.2	903.1	893.3	875.2	876.5	850.2	807.7	780.3	770.9
55°	925.9	931.7	958.0	989.5	989.8	971.1	936.4	889.9	838.1	808.4	798.7
57.5°	853.6	861.5	900.7	976.7	1031.6	1018.7	935.9	854.2	784.3	743.8	738.3
60°	587.4	601.1	640.2	744.1	850.0	855.0	757.2	665.5	585.3	535.4	536.4
62.5°	248.1	262.0	284.1	369.5	466.8	472.8	425.5	359.8	294.4	258.4	263.9
65°	58.3	62.3	68.9	102.2	148.2	155.1	143.0	111.4	82.3	69.6	71.0
67.5°	25.5	26.0	24.7	26.3	32.6	33.4	32.3	28.4	26.8	27.3	27.3
70°	17.9	18.1	17.1	16.3	15.5	14.5	15.0	16.6	17.9	18.9	18.7
72.5°	11.0	11.3	11.6	11.6	10.8	9.7	10.3	11.3	11.6	11.8	11.6
75°	5.5	5.8	6.3	6.6	6.3	6.0	6.0	6.3	6.3	6.0	6.0
77.5°	1.1	1.3	1.8	2.1	2.1	2.1	2.1	2.1	2.4	2.1	2.1
80°	0.3	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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)