

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: HALO

Report Number: P708768

Luminaire Tested: SBL10A50GY

Issue Date: 9/4/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P708768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-801-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: SBL10A50GY  
Description: SBL SOLAR AREA LIGHT  
Light Source: 5000K CCT, 73 CRI LEDS  
Ballast/Driver: -

**Summary**

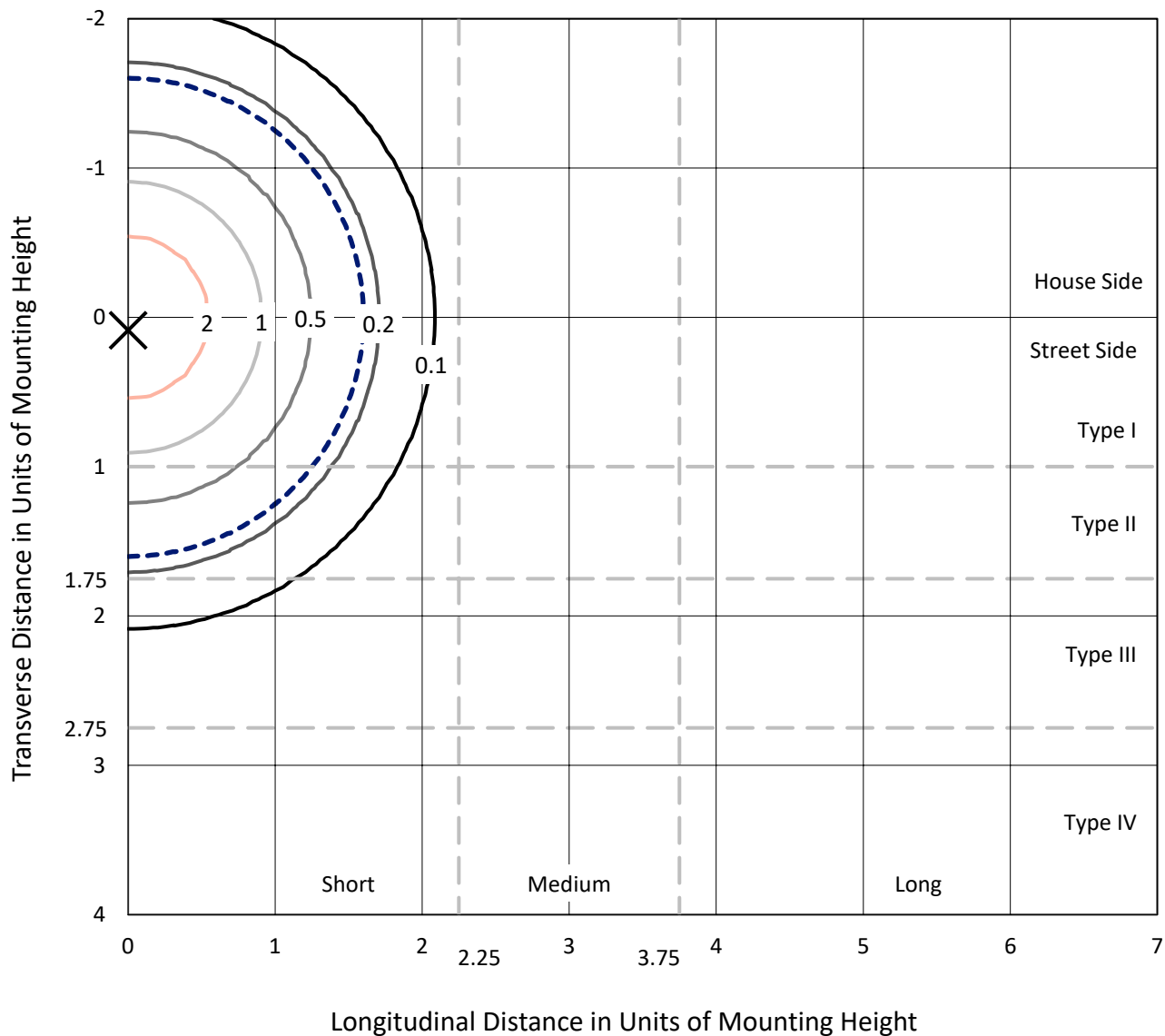
Lumens per Lamp: N/A  
Luminaire Lumens: 987.1 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.59' x H: 0.11')  
IES Classification: Type V - Short  
BUG Rating: B1 - U2 - G0  
  
Input Watts (W): 10.6  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
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

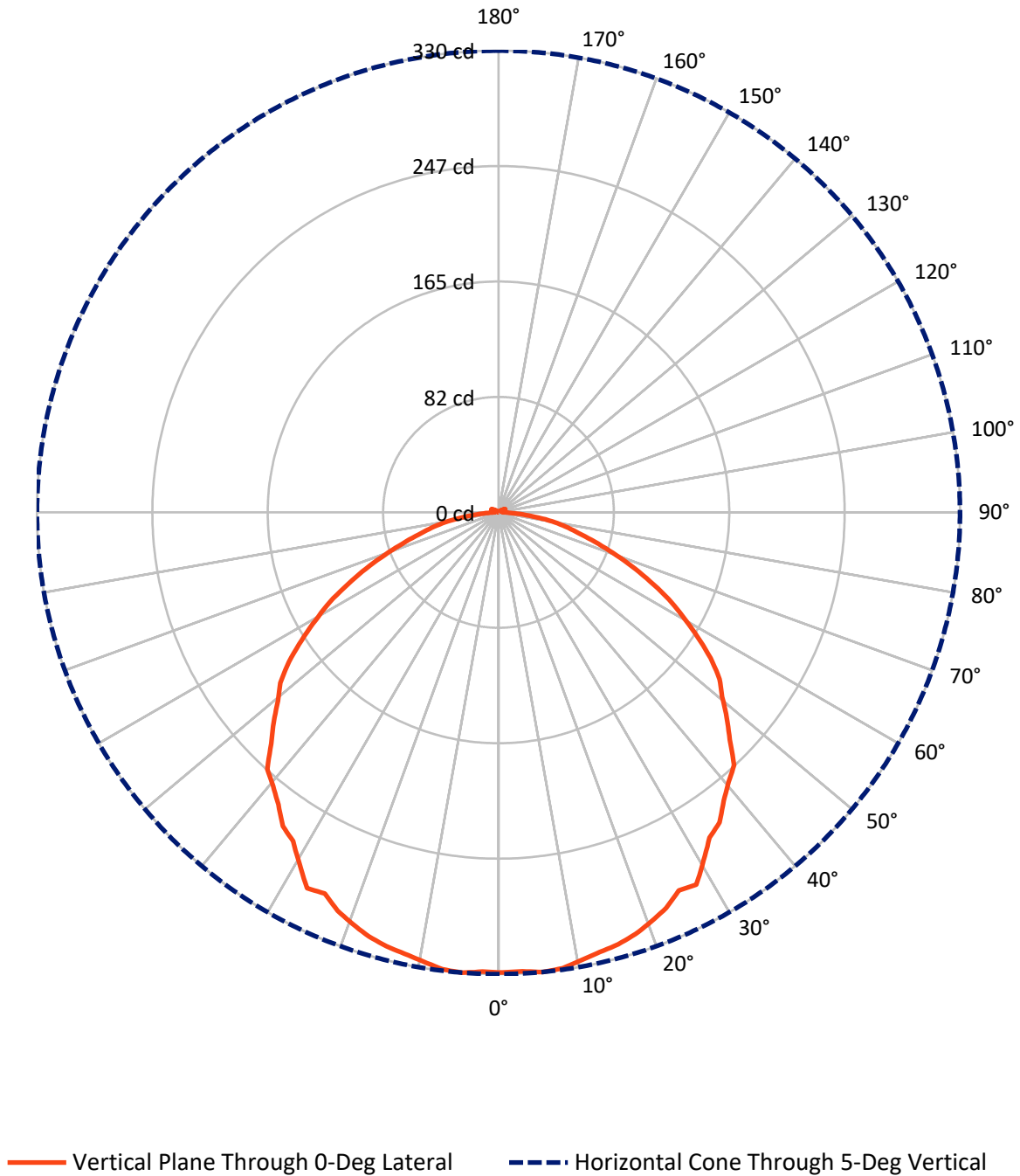
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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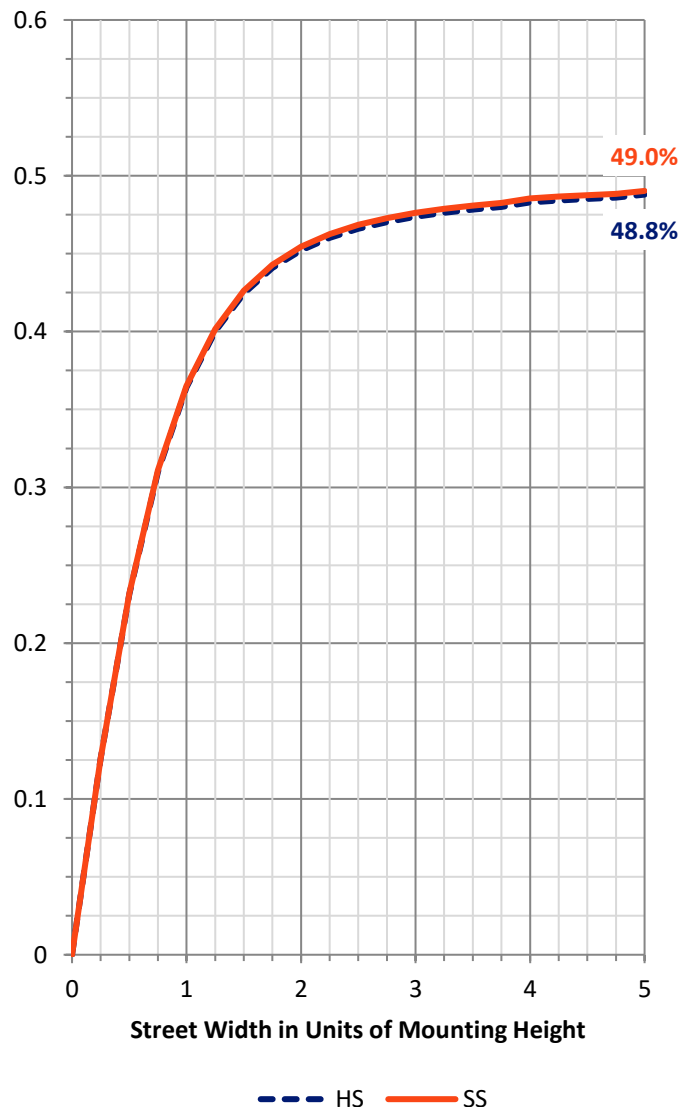
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	486.7	6.9	493.6
	% Fixture	49.3	0.7	50.0
<b>Street Side</b>	Lumens	486.7	6.9	493.6
	% Fixture	49.3	0.7	50.0
<b>Total</b>	Lumens	973.4	13.7	987.1
	% Fixture	98.6	1.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.3	3.2
10°-20°	90.3	9.1
20°-30°	139.4	14.1
30°-40°	169.3	17.1
40°-50°	179.1	18.1
50°-60°	162.9	16.5
60°-70°	118.0	12.0
70°-80°	64.0	6.5
80°-90°	19.2	1.9
90°-100°	3.2	0.3
100°-110°	3.0	0.3
110°-120°	4.7	0.5
120°-130°	2.3	0.2
130°-140°	0.6	0.1
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°	973.4	98.6
0°-180°	987.1	100.0

**Coefficient of Utilization**

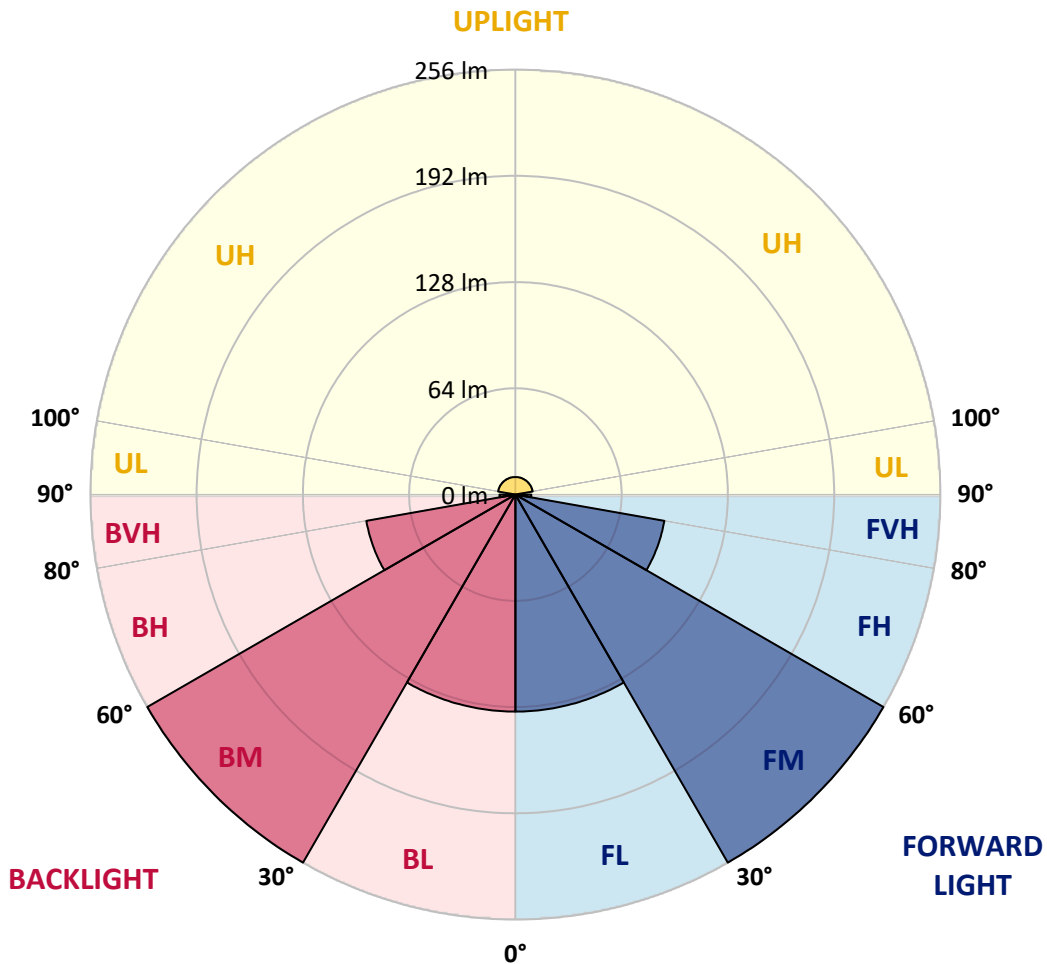


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.5	13.2			
FM (30°-60°)	255.6	25.9			
FH (60°-80°)	91.0	9.2			G0/660
FVH (80°-90°)	9.6	1.0			G0/10
BL (0°-30°)	130.5	13.2	B1/500		
BM (30°-60°)	255.6	25.9	B1/1000		
BH (60°-80°)	91.0	9.2	B0/110		G0/660
BVH (80°-90°)	9.6	1.0			G0/10
UL (90°-100°)	3.2	0.3		U1/10	
UH (100°-180°)	10.6	1.1		U2/50	

**BUG Rating: B1-U2-G0**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	328.5
2.5°	328.0
5°	329.6
7.5°	328.6
10°	325.0
12.5°	322.1
15°	319.9
17.5°	316.5
20°	311.8
22.5°	306.7
25°	299.0
27.5°	301.0
30°	288.5
32.5°	276.7
35°	271.8
37.5°	261.2
40°	253.0
42.5°	246.7
45°	231.5
47.5°	219.4
50°	207.0
52.5°	197.7
55°	183.9
57.5°	167.6
60°	151.5
62.5°	136.5
65°	119.0
67.5°	102.8
70°	86.6
72.5°	71.8
75°	59.0
77.5°	48.9
80°	39.0
82.5°	26.4
85°	15.3
87.5°	7.4
90°	3.6
92.5°	2.8
95°	2.7
97.5°	2.8
100°	2.9
102.5°	3.1
105°	2.8
107.5°	2.5
110°	2.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	5.0
115°	5.4
117.5°	5.0
120°	4.0
122.5°	3.1
125°	2.4
127.5°	1.9
130°	1.4
132.5°	1.1
135°	0.6
137.5°	0.4
140°	0.3
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)