

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P708771

Luminaire Tested: SBL50A50GY

Issue Date: 9/4/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P708771  
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: SBL50A50GY  
Description: SBL SOLAR AREA LIGHT  
Light Source: 5000K CCT, 73 CRI LEDS  
Ballast/Driver: -

**Summary**

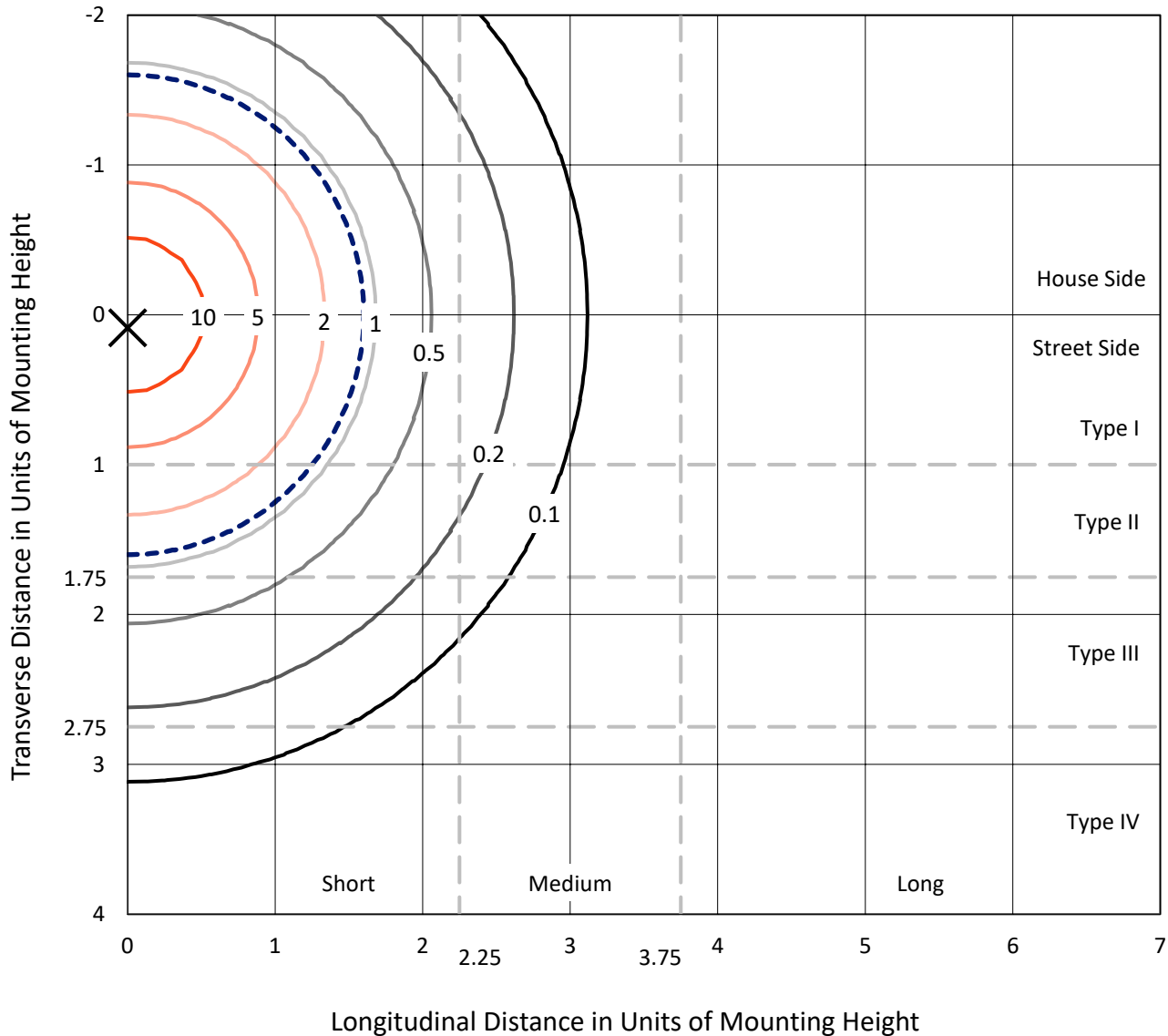
Lumens per Lamp: N/A  
Luminaire Lumens: 4704 lumens  
Efficiency: N/A  
Efficacy: 140.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.58' x H: 0.11')  
IES Classification: Type V - Short  
BUG Rating: B2 - U3 - G1  
  
Input Watts (W): 33.5  
Input Voltage (V):  
Input Current (A<sub>in</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

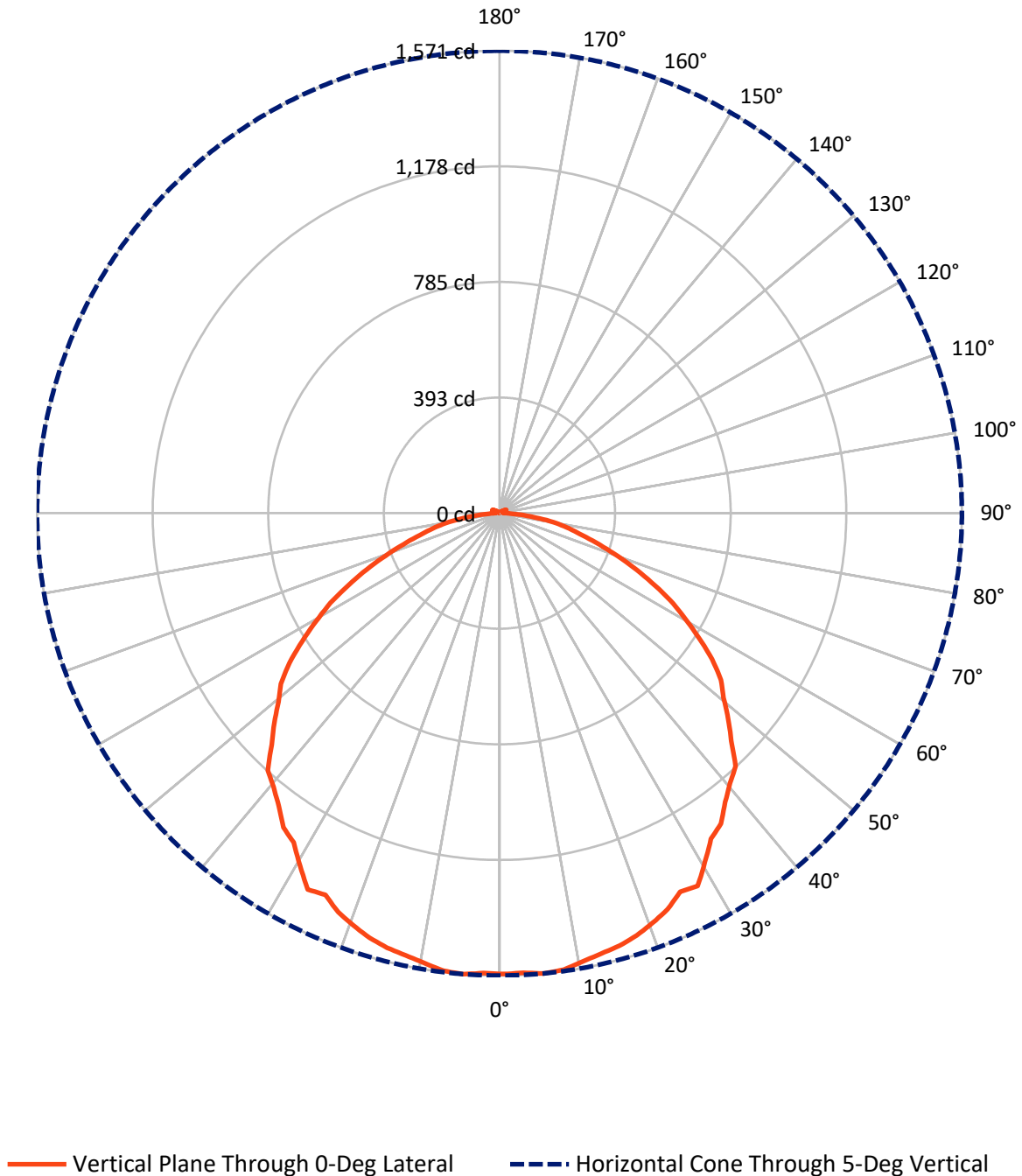
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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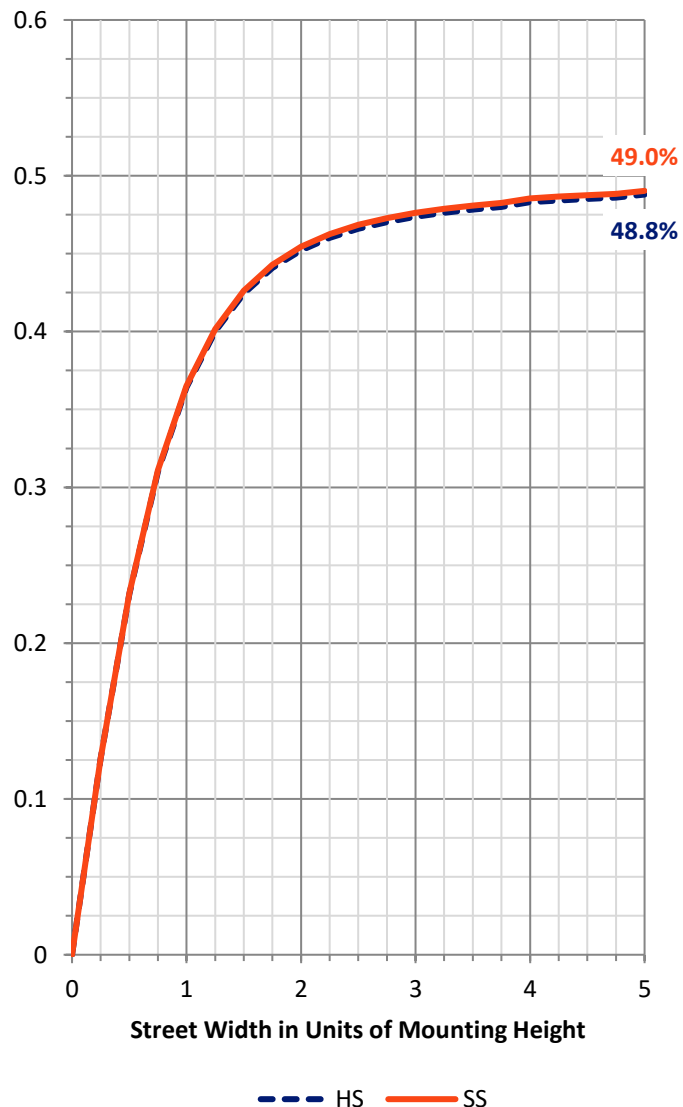
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2319.5	32.5	2352.0
	% Fixture	49.3	0.7	50.0
<b>Street Side</b>	Lumens	2319.5	32.5	2352.0
	% Fixture	49.3	0.7	50.0
<b>Total</b>	Lumens	4639.1	64.9	4704.0
	% Fixture	98.6	1.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.2	3.2
10°-20°	430.4	9.1
20°-30°	664.3	14.1
30°-40°	806.8	17.2
40°-50°	853.5	18.1
50°-60°	776.2	16.5
60°-70°	562.5	12.0
70°-80°	304.8	6.5
80°-90°	91.4	1.9
90°-100°	14.9	0.3
100°-110°	14.2	0.3
110°-120°	22.1	0.5
120°-130°	10.8	0.2
130°-140°	2.8	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4639.1	98.6
0°-180°	4704.0	100.0

**Coefficient of Utilization**

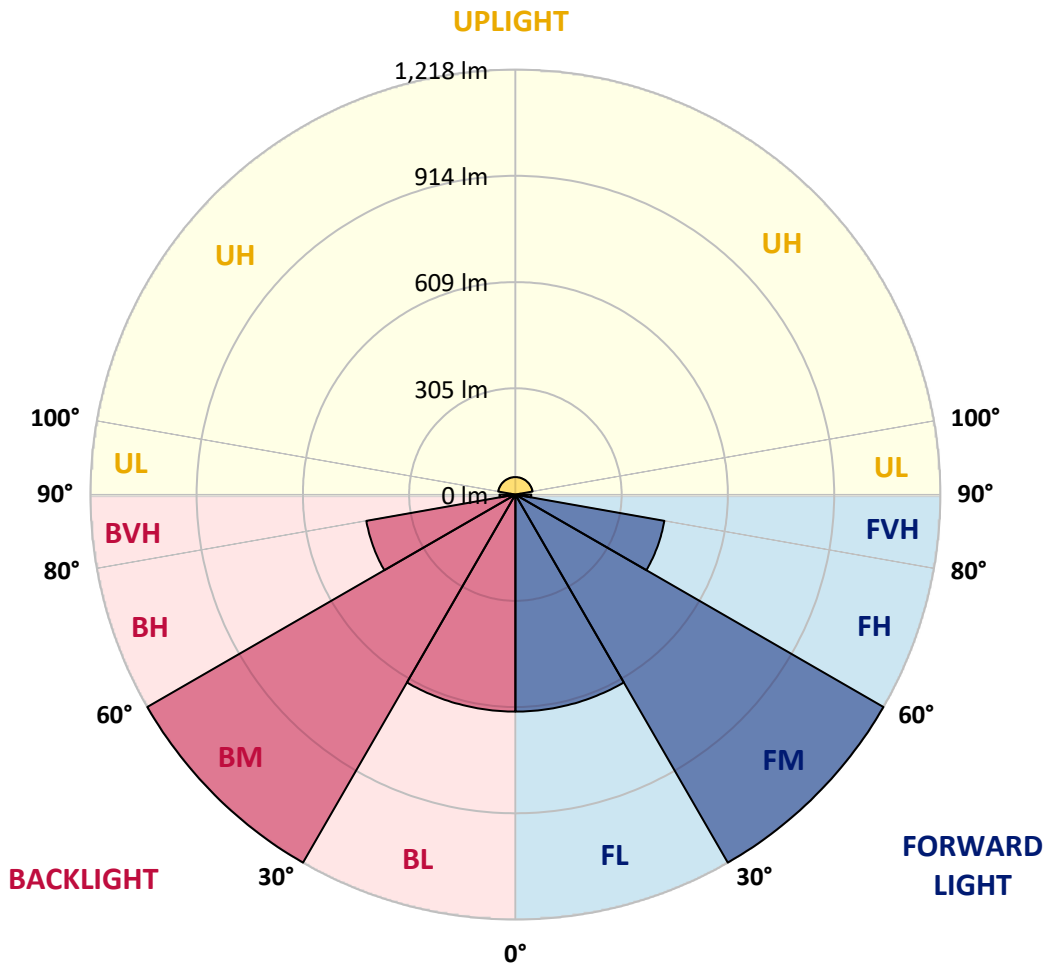


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	622.0	13.2			
FM	(30°-60°)	1218.2	25.9			
FH	(60°-80°)	433.7	9.2			G0/660
FVH	(80°-90°)	45.7	1.0			G1/100
BL	(0°-30°)	622.0	13.2	B2/1000		
BM	(30°-60°)	1218.2	25.9	B2/2500		
BH	(60°-80°)	433.7	9.2	B1/500		G0/660
BVH	(80°-90°)	45.7	1.0			G1/100
UL	(90°-100°)	14.9	0.3		U2/50	
UH	(100°-180°)	50.0	1.1		U3/500	

**BUG Rating: B2-U3-G1**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1565.5
2.5°	1563.1
5°	1570.7
7.5°	1565.9
10°	1548.9
12.5°	1535.2
15°	1524.8
17.5°	1508.2
20°	1485.9
22.5°	1461.8
25°	1424.9
27.5°	1434.3
30°	1375.2
32.5°	1318.8
35°	1295.2
37.5°	1245.0
40°	1205.7
42.5°	1175.9
45°	1103.4
47.5°	1045.7
50°	986.5
52.5°	942.0
55°	876.2
57.5°	798.6
60°	721.9
62.5°	650.4
65°	567.1
67.5°	489.9
70°	412.8
72.5°	342.3
75°	281.2
77.5°	232.9
80°	186.0
82.5°	125.9
85°	72.9
87.5°	35.5
90°	17.0
92.5°	13.3
95°	12.8
97.5°	13.3
100°	13.7
102.5°	14.7
105°	13.3
107.5°	11.8
110°	13.7

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	23.7
115°	25.6
117.5°	23.7
120°	18.9
122.5°	14.7
125°	11.4
127.5°	9.0
130°	6.6
132.5°	5.2
135°	2.8
137.5°	1.9
140°	1.4
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)