

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: P708770

Luminaire Tested: SBL30A50GY

Issue Date: 9/4/2023

Test Information

Test Method: LM-79-2019
Report Number: P708770
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: SBL30A50GY
Description: SBL SOLAR AREA LIGHT
Light Source: 5000K CCT, 73 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2839 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.93' x H: 0.11')
IES Classification: Type V - Short
BUG Rating: B1 - U2 - G1

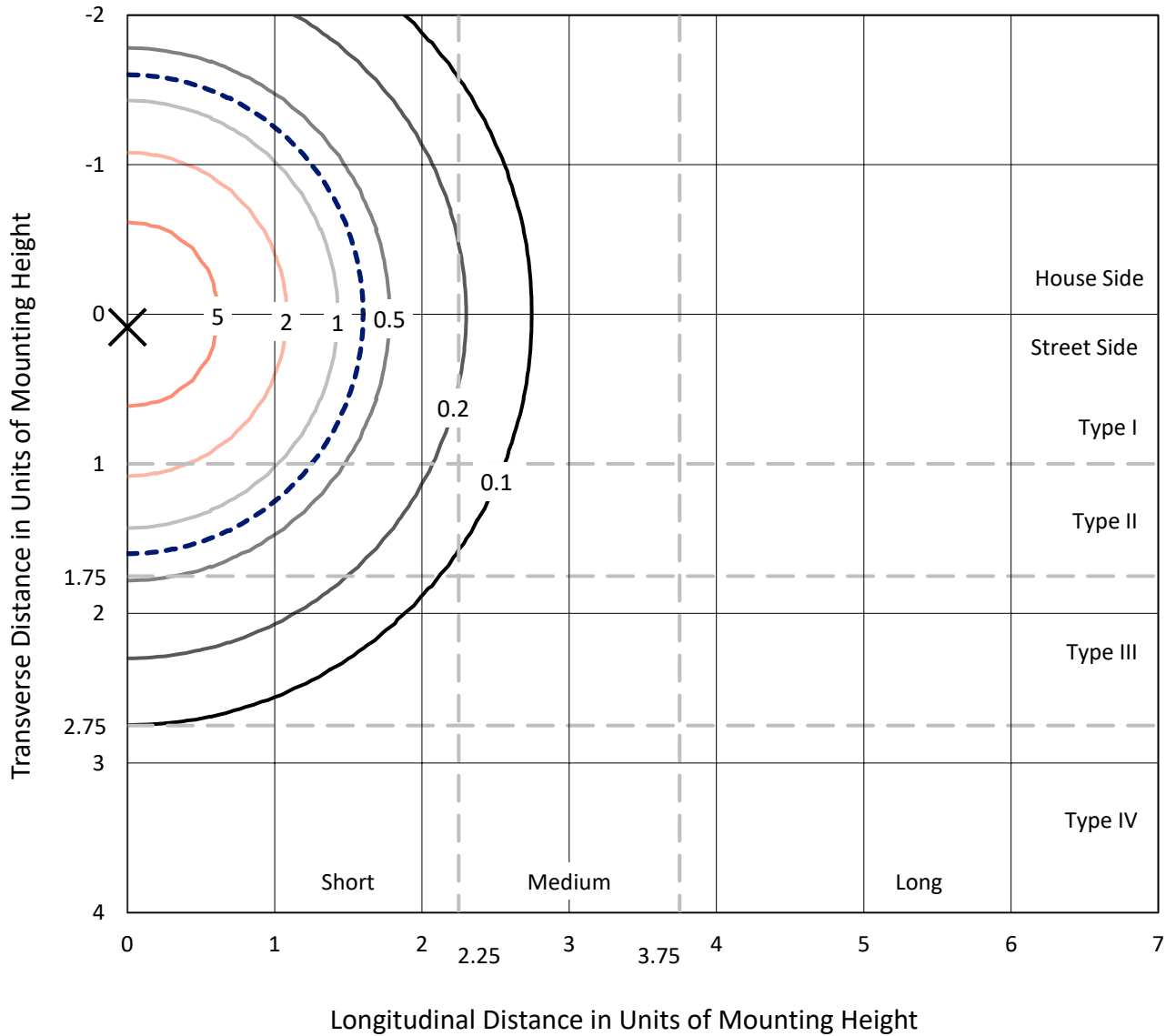
Input Watts (W): 32.2
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

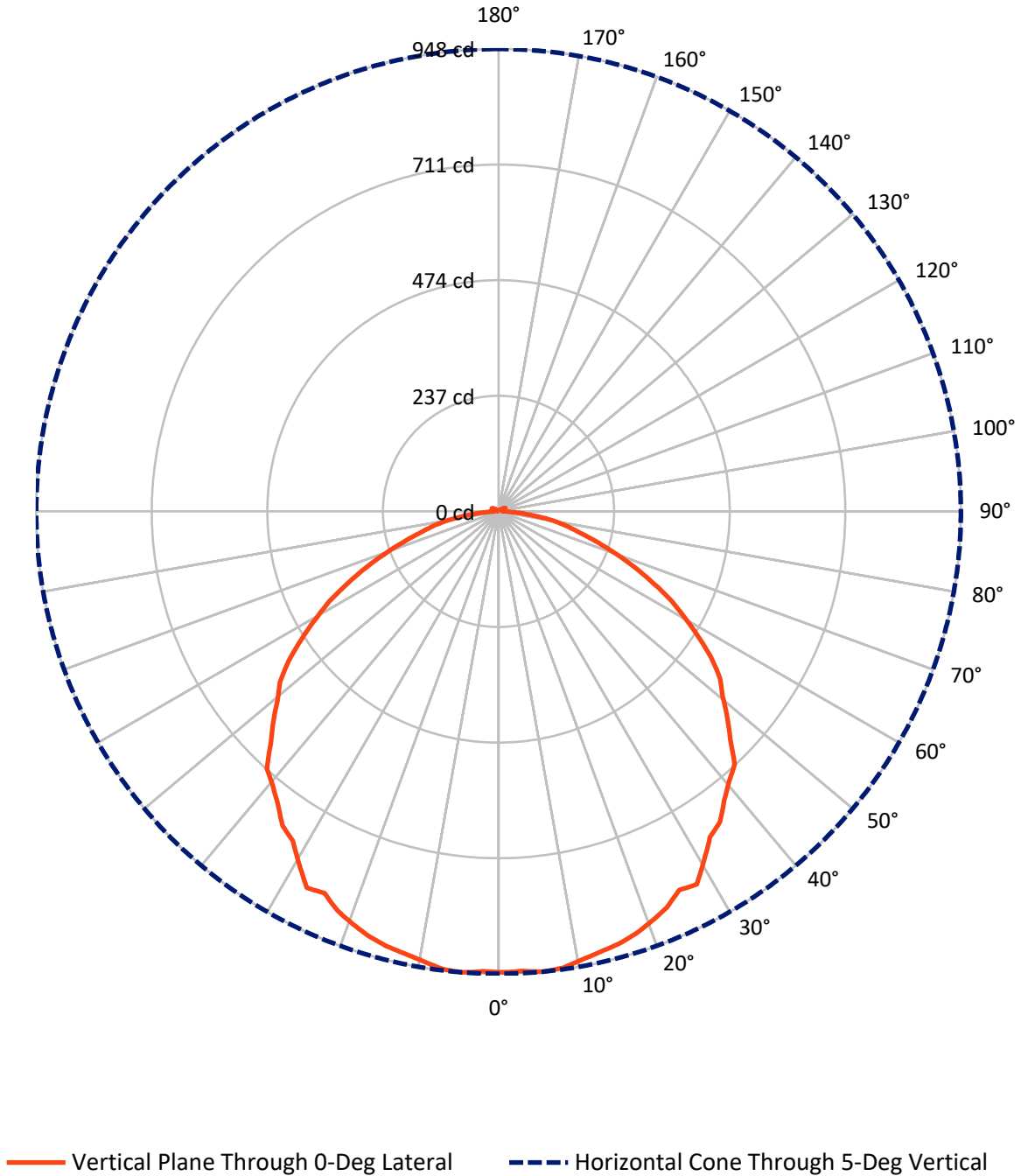
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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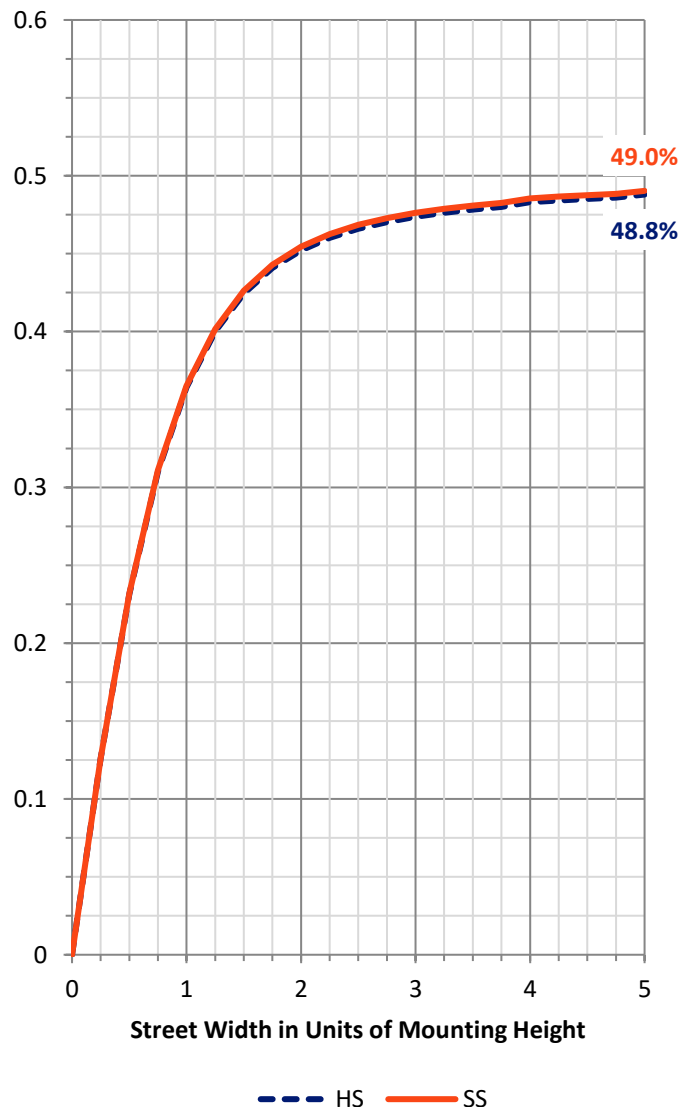
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1399.9	19.6	1419.5
	% Fixture	49.3	0.7	50.0
Street Side	Lumens	1399.9	19.6	1419.5
	% Fixture	49.3	0.7	50.0
Total	Lumens	2799.9	39.2	2839.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	3.2
10°-20°	259.8	9.1
20°-30°	401.0	14.1
30°-40°	486.9	17.2
40°-50°	515.1	18.1
50°-60°	468.4	16.5
60°-70°	339.5	12.0
70°-80°	184.0	6.5
80°-90°	55.1	1.9
90°-100°	9.0	0.3
100°-110°	8.5	0.3
110°-120°	13.4	0.5
120°-130°	6.5	0.2
130°-140°	1.7	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°	2799.9	98.6
0°-180°	2839.0	100.0

Coefficient of Utilization

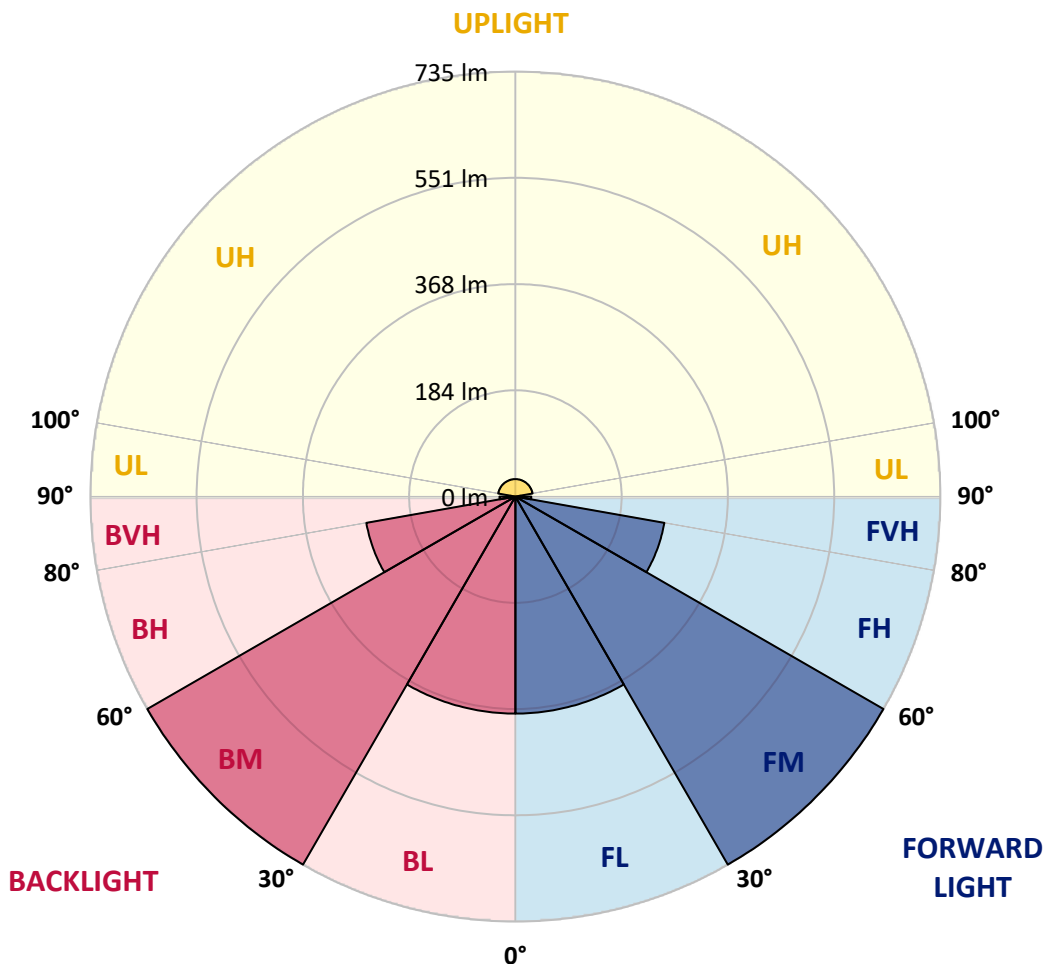


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.4	13.2			
FM (30°-60°)	735.2	25.9			
FH (60°-80°)	261.7	9.2			G0/660
FVH (80°-90°)	27.6	1.0			G1/100
BL (0°-30°)	375.4	13.2	B1/500		
BM (30°-60°)	735.2	25.9	B1/1000		
BH (60°-80°)	261.7	9.2	B1/500		G0/660
BVH (80°-90°)	27.6	1.0			G1/100
UL (90°-100°)	9.0	0.3		U1/10	
UH (100°-180°)	30.2	1.1		U2/50	

BUG Rating: B1-U2-G1
 Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	944.8
2.5°	943.4
5°	947.9
7.5°	945.1
10°	934.8
12.5°	926.5
15°	920.2
17.5°	910.2
20°	896.8
22.5°	882.2
25°	860.0
27.5°	865.7
30°	830.0
32.5°	796.0
35°	781.7
37.5°	751.4
40°	727.7
42.5°	709.7
45°	666.0
47.5°	631.1
50°	595.4
52.5°	568.5
55°	528.8
57.5°	482.0
60°	435.7
62.5°	392.5
65°	342.3
67.5°	295.7
70°	249.1
72.5°	206.6
75°	169.7
77.5°	140.6
80°	112.3
82.5°	76.0
85°	44.0
87.5°	21.4
90°	10.3
92.5°	8.0
95°	7.7
97.5°	8.0
100°	8.3
102.5°	8.9
105°	8.0
107.5°	7.1
110°	8.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	14.3
115°	15.4
117.5°	14.3
120°	11.4
122.5°	8.9
125°	6.9
127.5°	5.4
130°	4.0
132.5°	3.1
135°	1.7
137.5°	1.1
140°	0.9
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)