

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: P708769

Luminaire Tested: SBL15A50GY

Issue Date: 9/4/2023

Test Information

Test Method: LM-79-2019
Report Number: P708769
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: SBL15A50GY
Description: SBL SOLAR AREA LIGHT
Light Source: 5000K CCT, 73 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1382 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.73' x H: 0.11')
IES Classification: Type V - Short
BUG Rating: B1 - U2 - G1

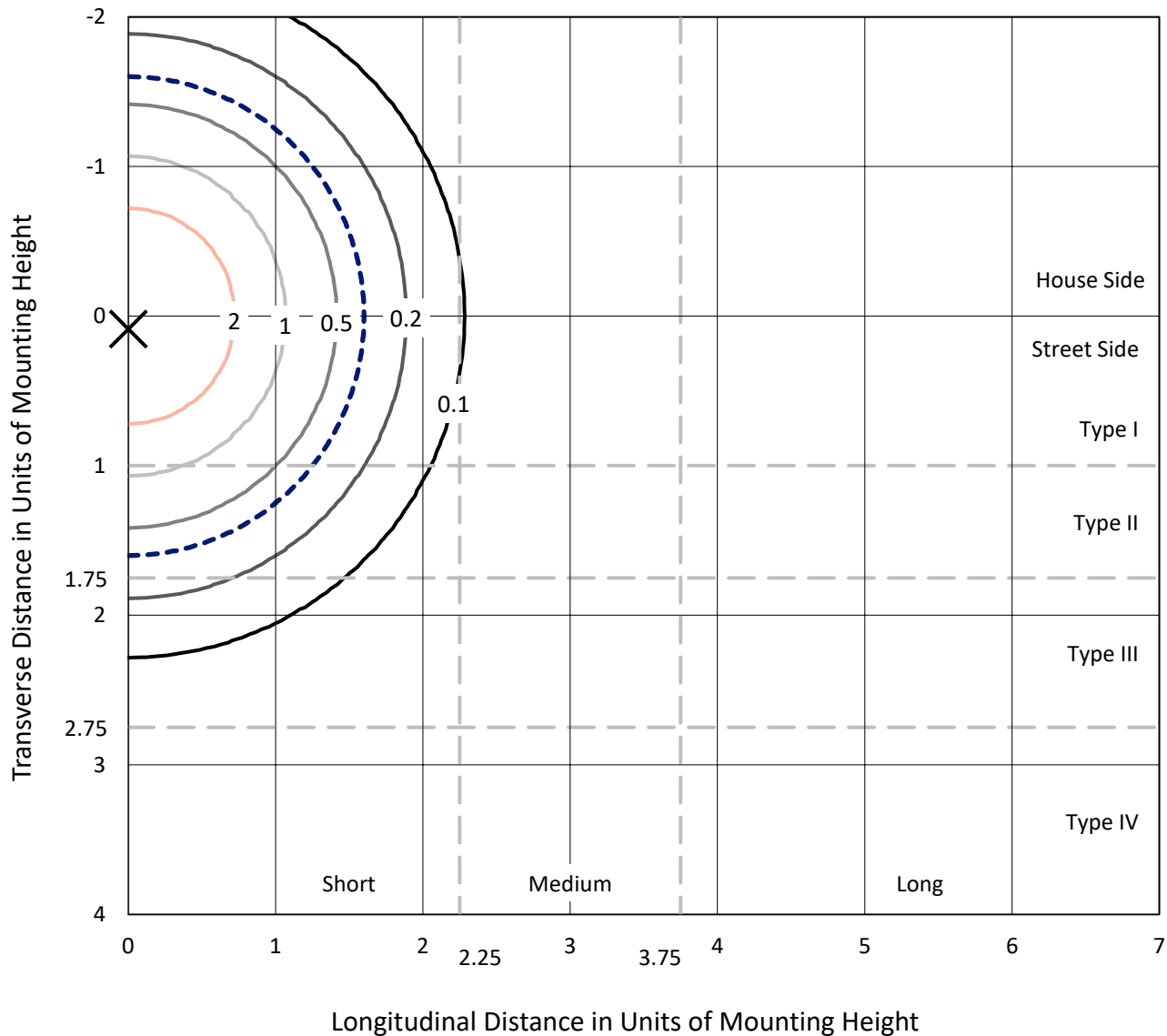
Input Watts (W): 16.1
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P708769
 CATALOG NUMBER: SBL15A50GY

Iso-Footcandle Lines of Horizontal Illumination

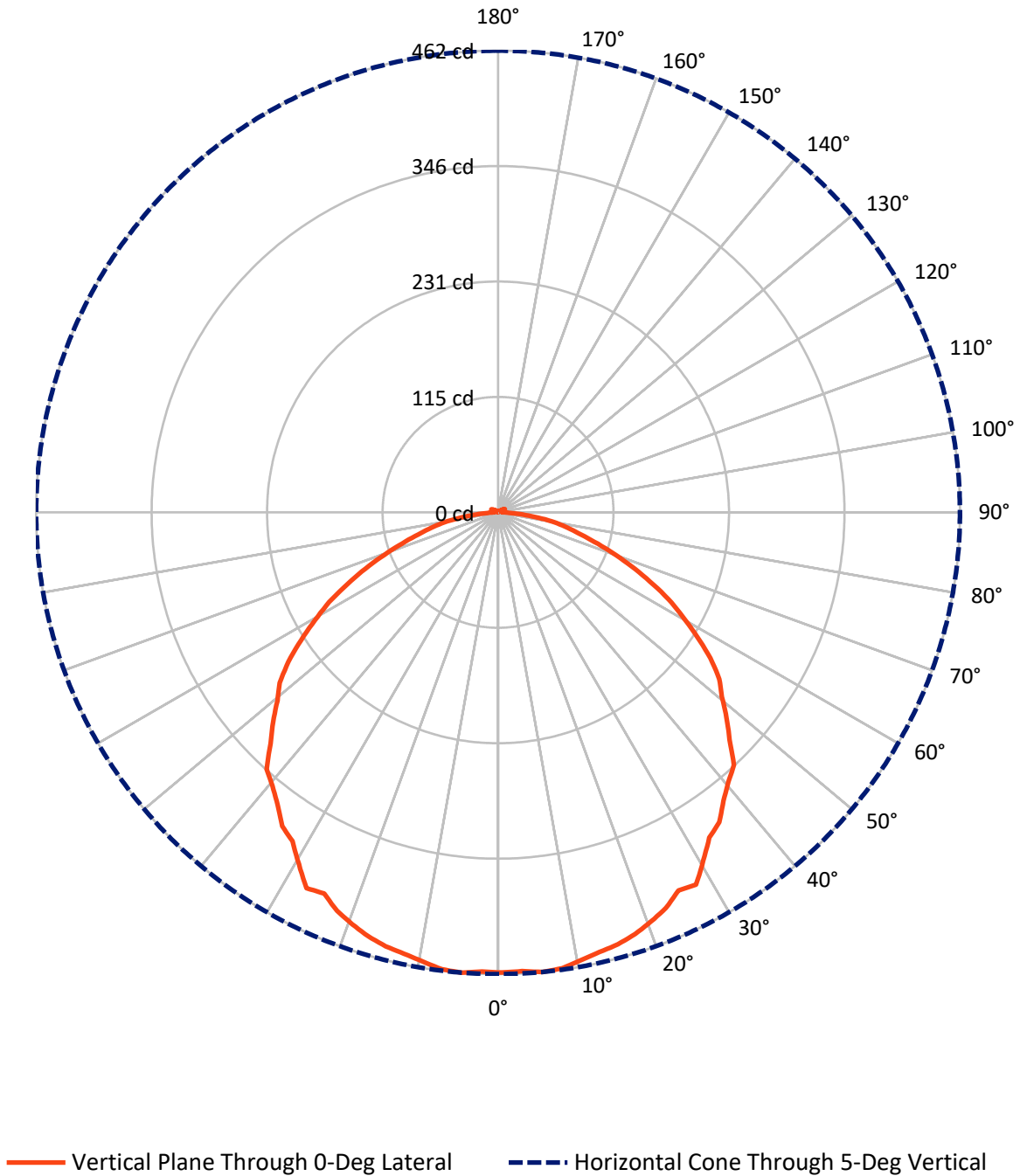
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

REPORT NUMBER: P708769
CATALOG NUMBER: SBL15A50GY

Luminous Intensity Polar Plot



REPORT NUMBER: P708769
 CATALOG NUMBER: SBL15A50GY

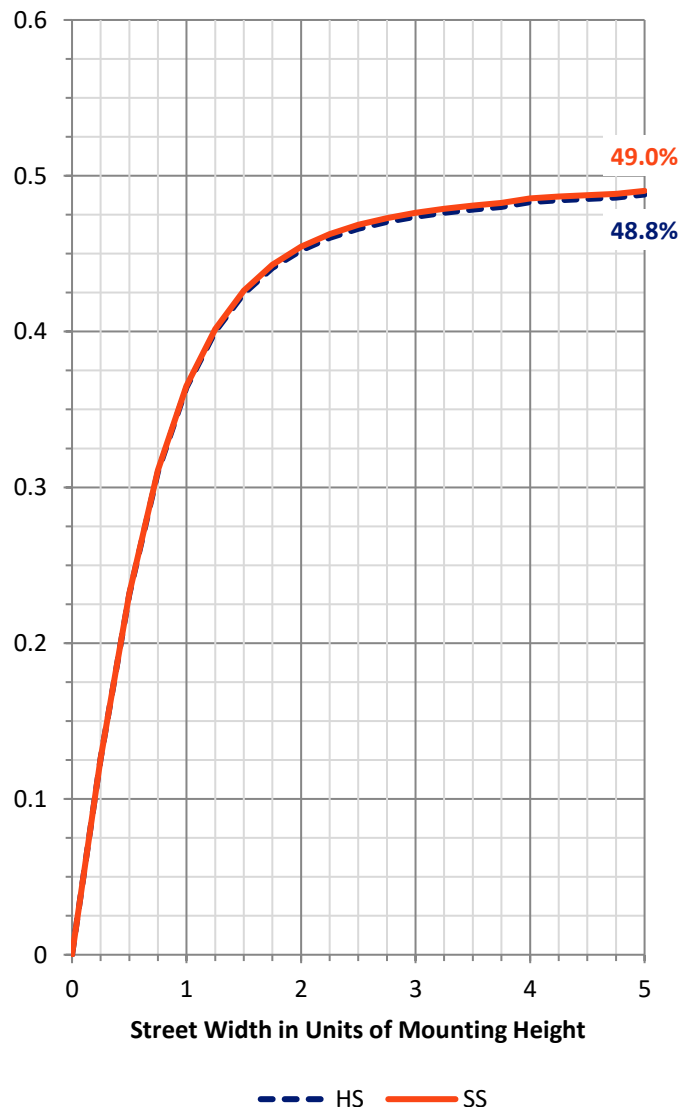
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	681.5	9.5	691.0
	% Fixture	49.3	0.7	50.0
Street Side	Lumens	681.5	9.5	691.0
	% Fixture	49.3	0.7	50.0
Total	Lumens	1362.9	19.1	1382.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	3.2
10°-20°	126.5	9.2
20°-30°	195.2	14.1
30°-40°	237.0	17.2
40°-50°	250.8	18.1
50°-60°	228.0	16.5
60°-70°	165.3	12.0
70°-80°	89.6	6.5
80°-90°	26.8	1.9
90°-100°	4.4	0.3
100°-110°	4.2	0.3
110°-120°	6.5	0.5
120°-130°	3.2	0.2
130°-140°	0.8	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°	1362.9	98.6
0°-180°	1382.0	100.0

Coefficient of Utilization

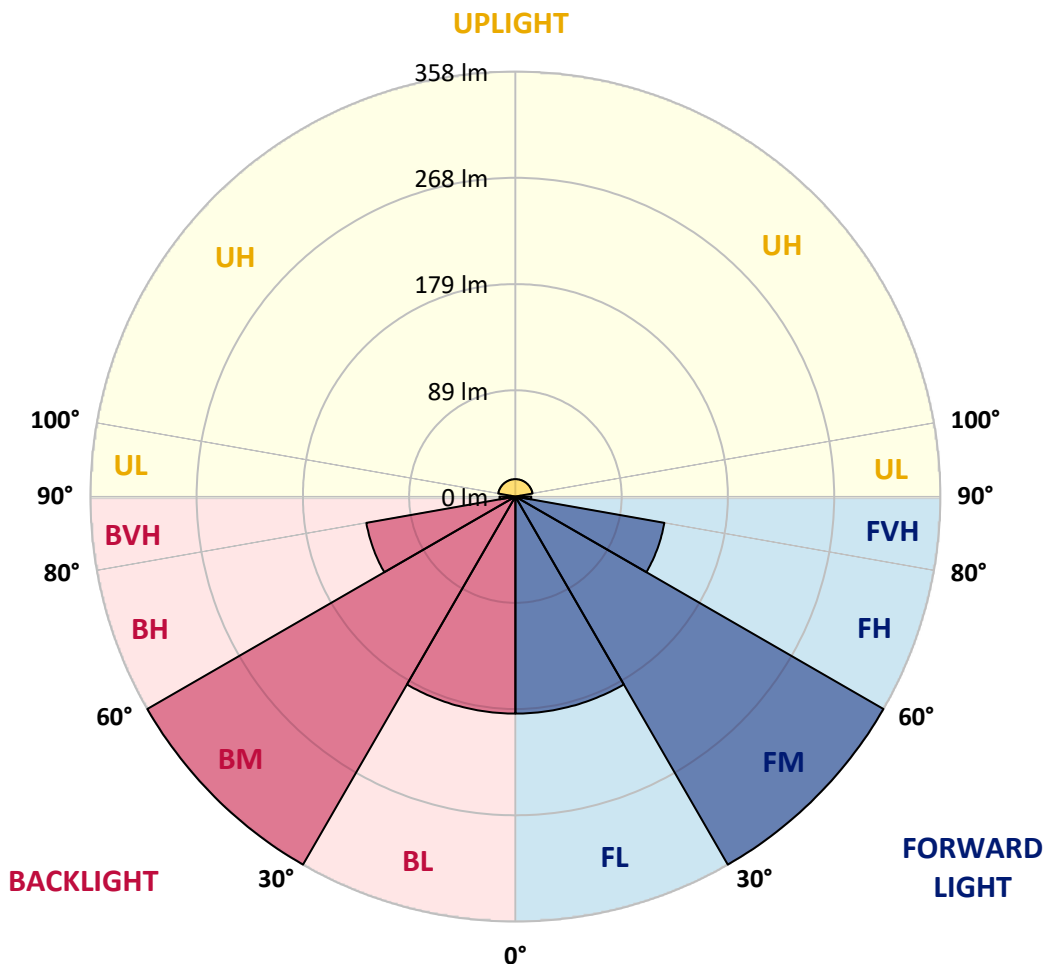


REPORT NUMBER: P708769
 CATALOG NUMBER: SBL15A50GY

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.7	13.2			
FM (30°-60°)	357.9	25.9			
FH (60°-80°)	127.4	9.2			G0/660
FVH (80°-90°)	13.4	1.0			G1/100
BL (0°-30°)	182.7	13.2	B1/500		
BM (30°-60°)	357.9	25.9	B1/1000		
BH (60°-80°)	127.4	9.2	B1/500		G0/660
BVH (80°-90°)	13.4	1.0			G1/100
UL (90°-100°)	4.4	0.3		U1/10	
UH (100°-180°)	14.7	1.1		U2/50	

BUG Rating: B1-U2-G1
 Type V Short



REPORT NUMBER: P708769
CATALOG NUMBER: SBL15A50GY

CANDELA DISTRIBUTION (FULL):

0°	
0°	459.9
2.5°	459.2
5°	461.5
7.5°	460.1
10°	455.1
12.5°	451.0
15°	448.0
17.5°	443.1
20°	436.6
22.5°	429.5
25°	418.6
27.5°	421.4
30°	404.0
32.5°	387.5
35°	380.5
37.5°	365.8
40°	354.2
42.5°	345.5
45°	324.2
47.5°	307.2
50°	289.8
52.5°	276.8
55°	257.4
57.5°	234.6
60°	212.1
62.5°	191.1
65°	166.6
67.5°	143.9
70°	121.3
72.5°	100.6
75°	82.6
77.5°	68.4
80°	54.7
82.5°	37.0
85°	21.4
87.5°	10.4
90°	5.0
92.5°	3.9
95°	3.8
97.5°	3.9
100°	4.0
102.5°	4.3
105°	3.9
107.5°	3.5
110°	4.0



REPORT NUMBER: P708769
CATALOG NUMBER: SBL15A50GY

CANDELA DISTRIBUTION (continued):

	0°
112.5°	7.0
115°	7.5
117.5°	7.0
120°	5.6
122.5°	4.3
125°	3.3
127.5°	2.6
130°	1.9
132.5°	1.5
135°	0.8
137.5°	0.6
140°	0.4
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)