

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: P708767

Luminaire Tested: SBL100A50GY

Issue Date: 9/4/2023

Test Information

Test Method: LM-79-2019
Report Number: P708767
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: SBL100A50GY
Description: SBL SOLAR AREA LIGHT
Light Source: 5000K CCT, 73 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9937.1 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.73' x H: 0.11')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G1

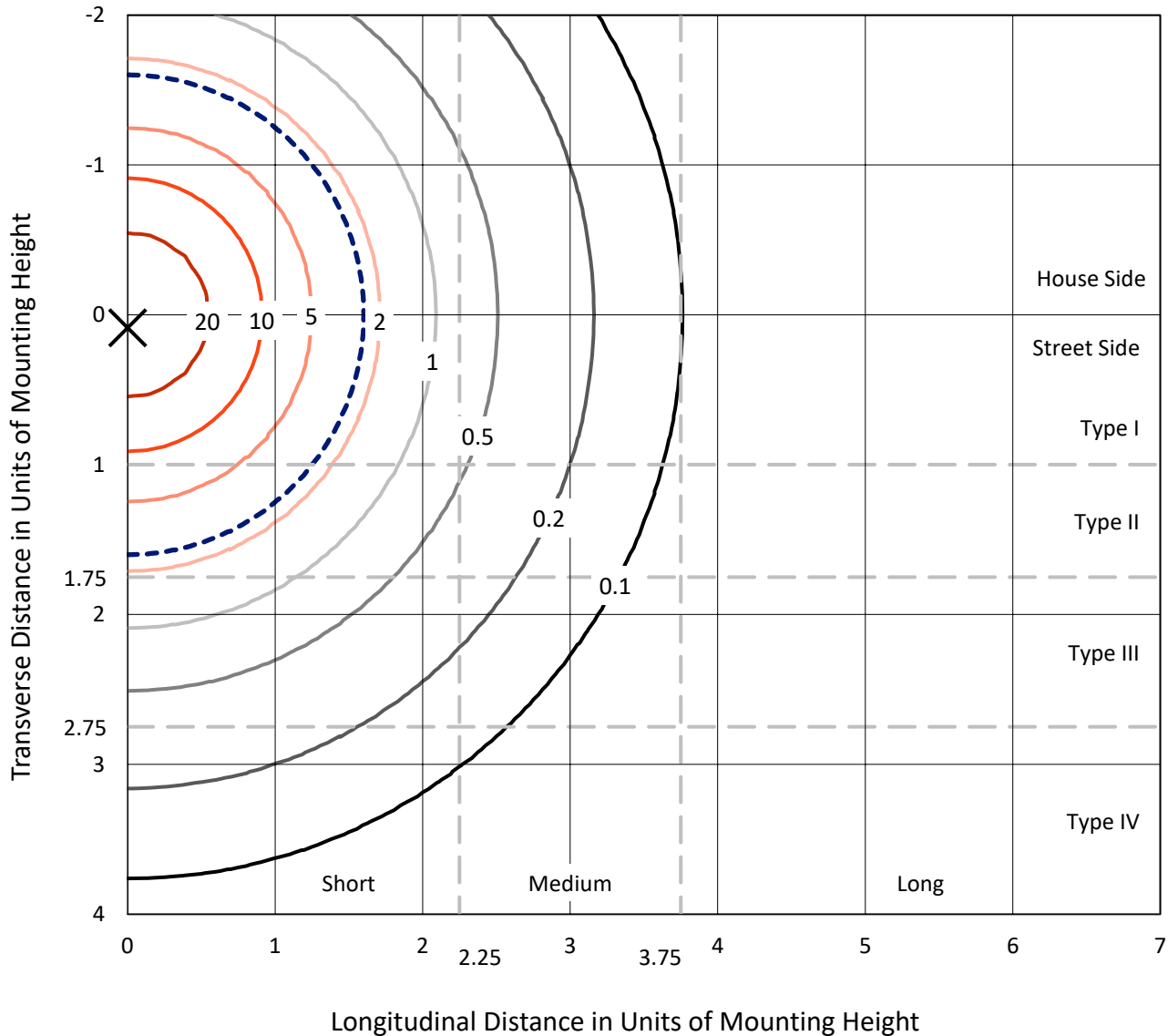
Input Watts (W): 79.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

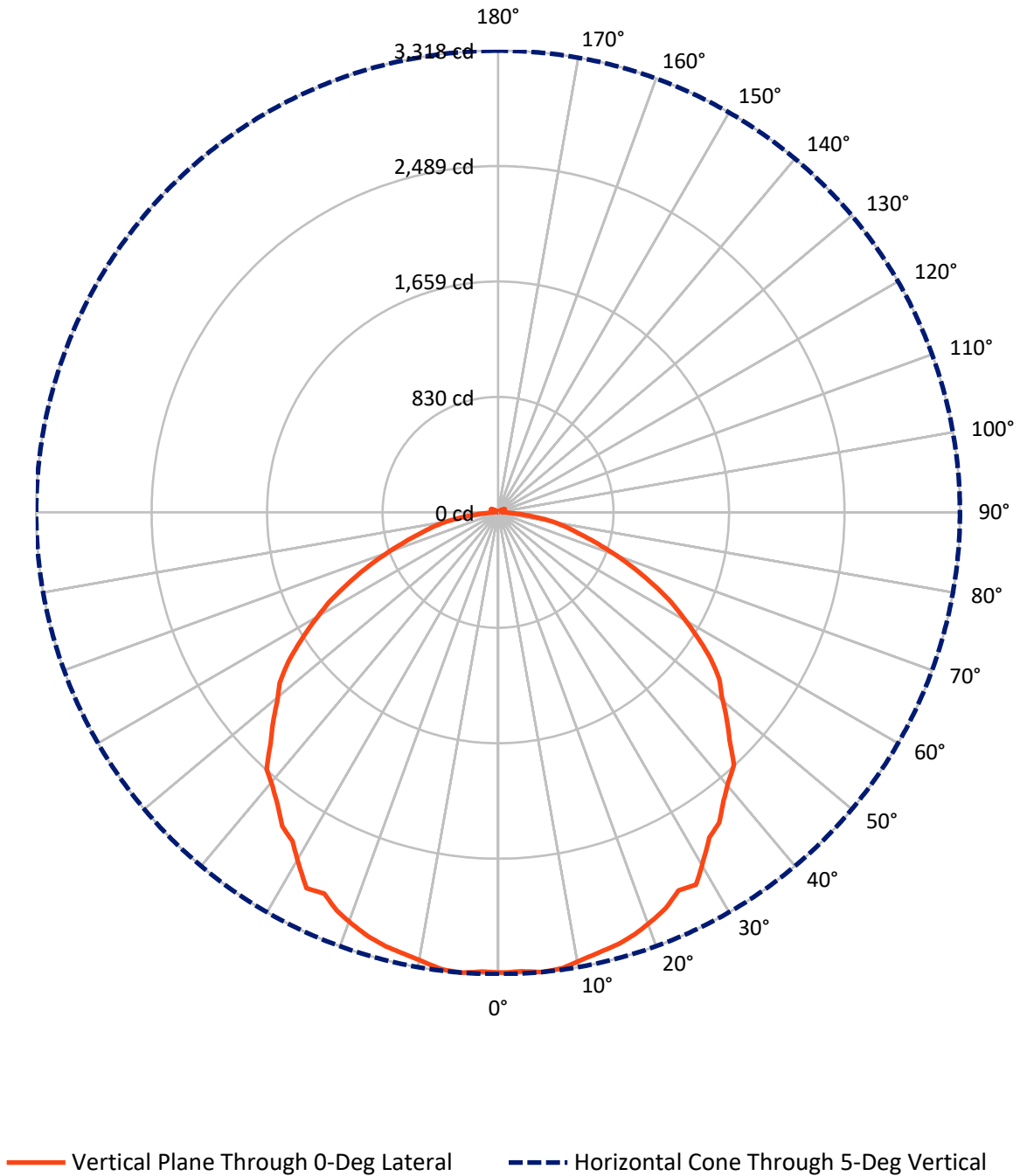
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 33.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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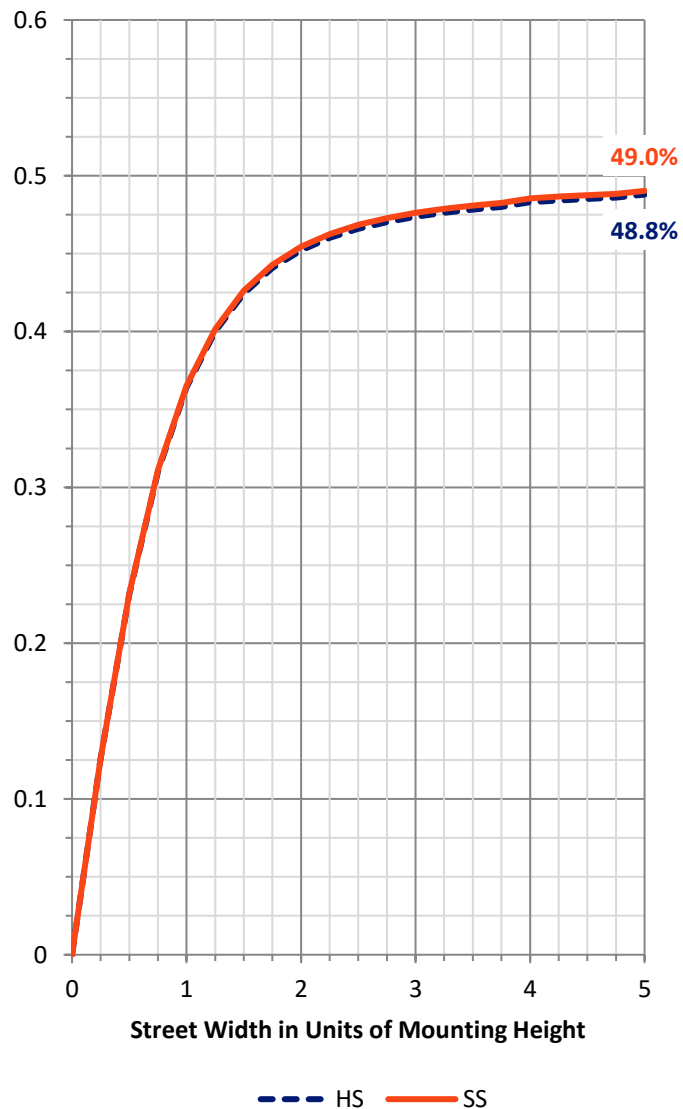
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4900.0	68.6	4968.5
	% Fixture	49.3	0.7	50.0
Street Side	Lumens	4900.0	68.6	4968.5
	% Fixture	49.3	0.7	50.0
Total	Lumens	9799.9	137.1	9937.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.2	3.2
10°-20°	909.2	9.1
20°-30°	1403.4	14.1
30°-40°	1704.2	17.2
40°-50°	1803.0	18.1
50°-60°	1639.7	16.5
60°-70°	1188.3	12.0
70°-80°	643.9	6.5
80°-90°	193.0	1.9
90°-100°	31.5	0.3
100°-110°	29.9	0.3
110°-120°	46.7	0.5
120°-130°	22.9	0.2
130°-140°	5.8	0.1
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9799.9	98.6
0°-180°	9937.1	100.0

Coefficient of Utilization



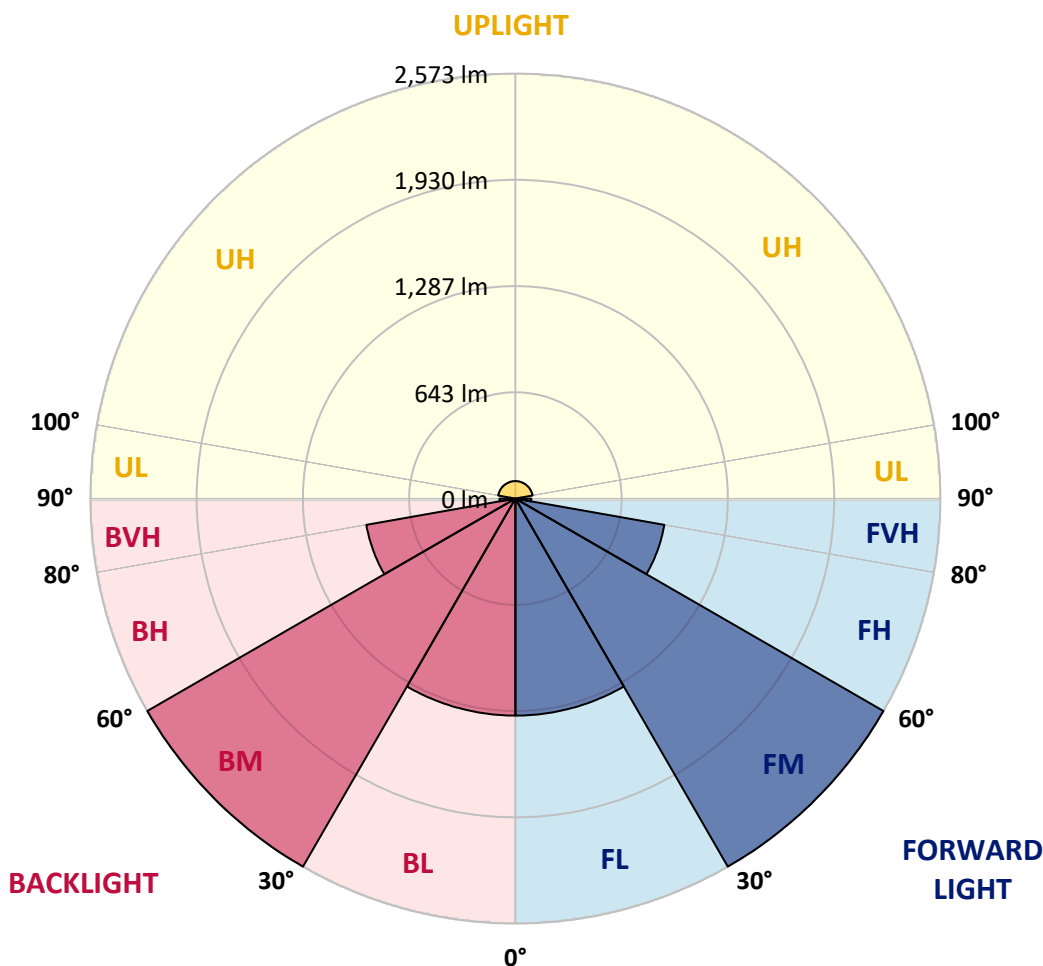
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1313.9	13.2			
FM (30°-60°)	2573.4	25.9			
FH (60°-80°)	916.1	9.2			G1/1800
FVH (80°-90°)	96.5	1.0			G1/100
BL (0°-30°)	1313.9	13.2	B3/2500		
BM (30°-60°)	2573.4	25.9	B3/5000		
BH (60°-80°)	916.1	9.2	B2/1000		G1/1800
BVH (80°-90°)	96.5	1.0			G1/100
UL (90°-100°)	31.5	0.3		U2/50	
UH (100°-180°)	105.6	1.1		U3/500	

BUG Rating: B3-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3307
2.5°	3302
5°	3318
7.5°	3308
10°	3272
12.5°	3243
15°	3221
17.5°	3186
20°	3139
22.5°	3088
25°	3010
27.5°	3030
30°	2905
32.5°	2786
35°	2736
37.5°	2630
40°	2547
42.5°	2484
45°	2331
47.5°	2209
50°	2084
52.5°	1990
55°	1851
57.5°	1687
60°	1525
62.5°	1374
65°	1198
67.5°	1035
70°	872
72.5°	723
75°	594
77.5°	492
80°	393
82.5°	266
85°	154
87.5°	75
90°	36
92.5°	28
95°	27
97.5°	28
100°	29
102.5°	31
105°	28
107.5°	25
110°	29



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50
115°	54
117.5°	50
120°	40
122.5°	31
125°	24
127.5°	19
130°	14
132.5°	11
135°	6
137.5°	4
140°	3
142.5°	0
145°	0
147.5°	0
150°	0
152.5°	0
155°	0
157.5°	0
160°	0
162.5°	0
165°	0
167.5°	0
170°	0
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)