

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: G2-1811-020-1

Luminaire Tested: **AL7550LPC**

Test Date: 11/14/2018

Test Information

Test Method: LM-79-08
Report Number: G2-1811-020-1
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/14/2018
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: AL7550LPC
Description: BARN LIGHT 7500LM 5000K
Light Source: (81) REFOND 5000K 70CRI LEDS
RF- Q30RAXX—B-24-J2
Ballast/Driver: (1) TCL DRIVER
060W1A00-R/0A/09

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8166.7 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Circular (Dia: 0.67' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

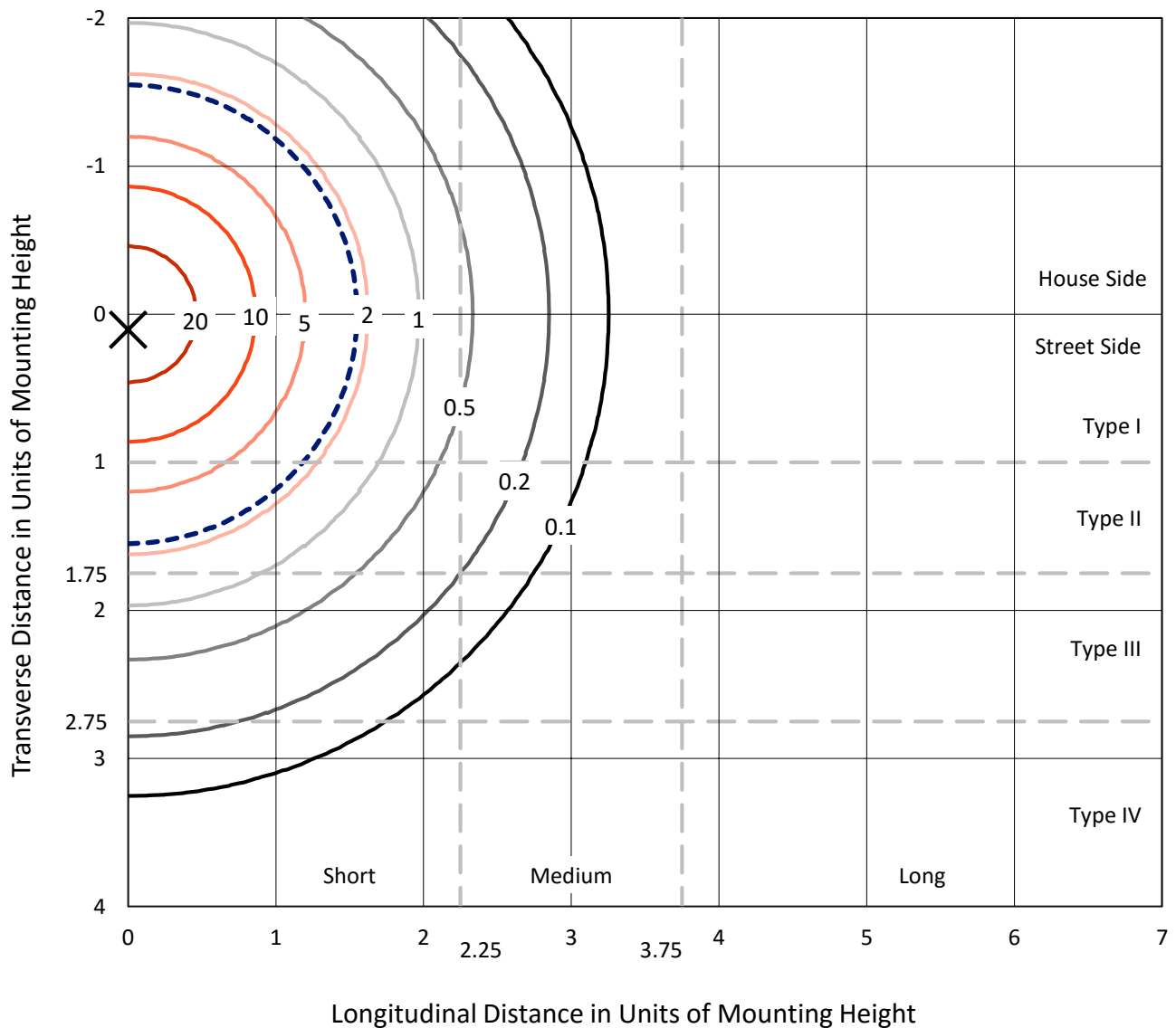
Input Watts (W): 61.6
Input Voltage (V): 120.0
Input Current (Ain): 0.521
Voltage Rise (V): NR
Power Factor: 0.985
Total Harmonic Distortion (THDi): 16.5%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): 24.0
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

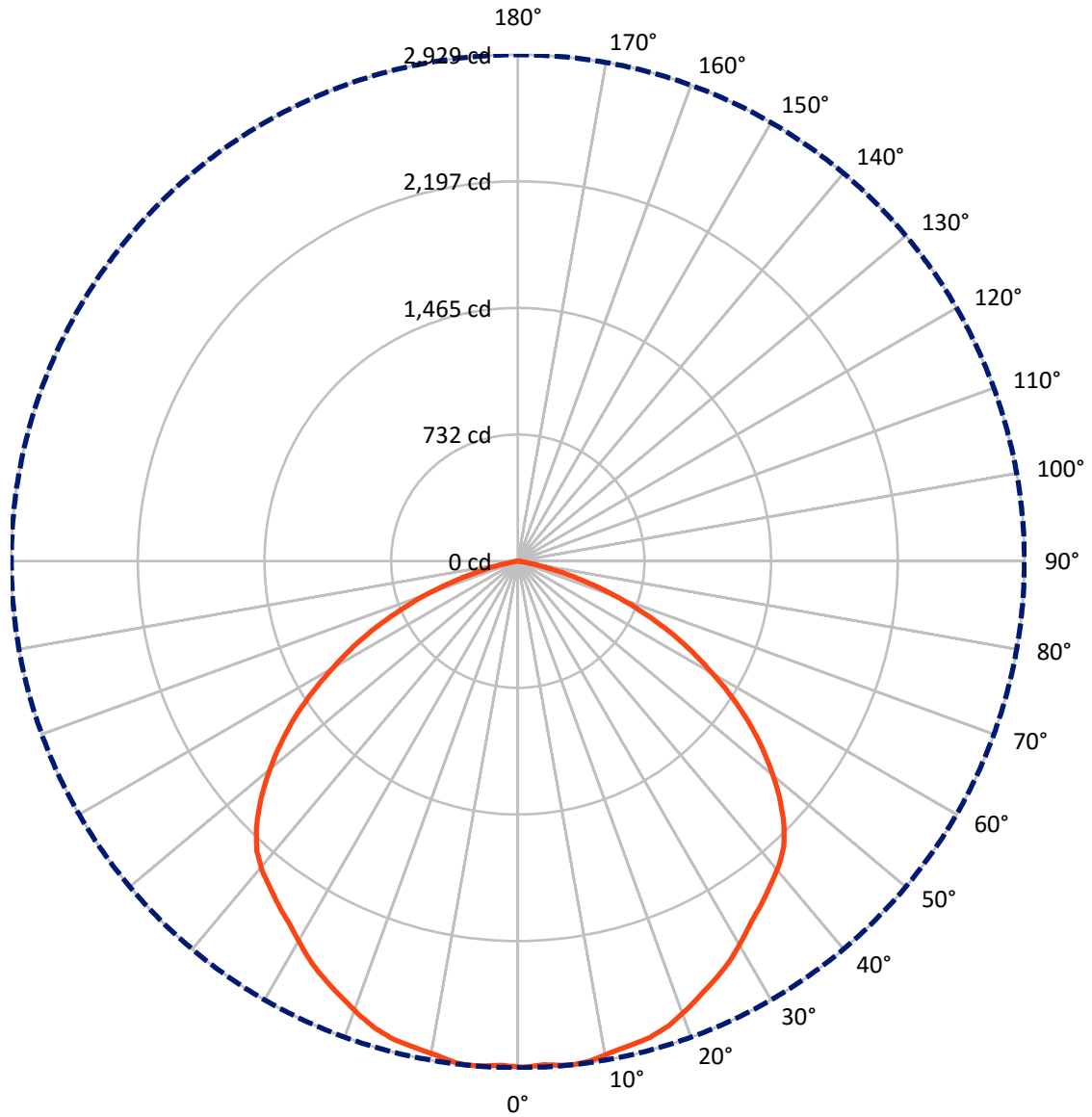
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 6-Deg Vertical



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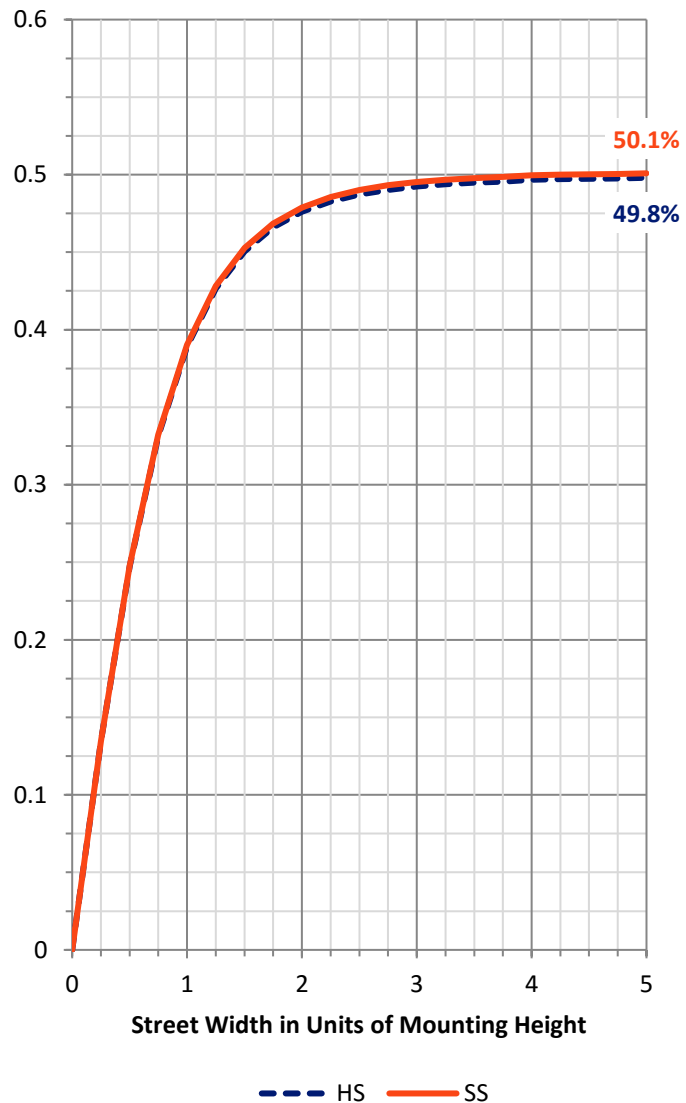
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4083.3	0.0	4083.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4083.3	0.0	4083.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8166.7	0.0	8166.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.5	3.4
10°-20°	805.6	9.9
20°-30°	1231.1	15.1
30°-40°	1524.0	18.7
40°-50°	1652.3	20.2
50°-60°	1426.6	17.5
60°-70°	923.8	11.3
70°-80°	303.8	3.7
80°-90°	21.1	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
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°	8166.7	100.0
0°-180°	8166.7	100.0



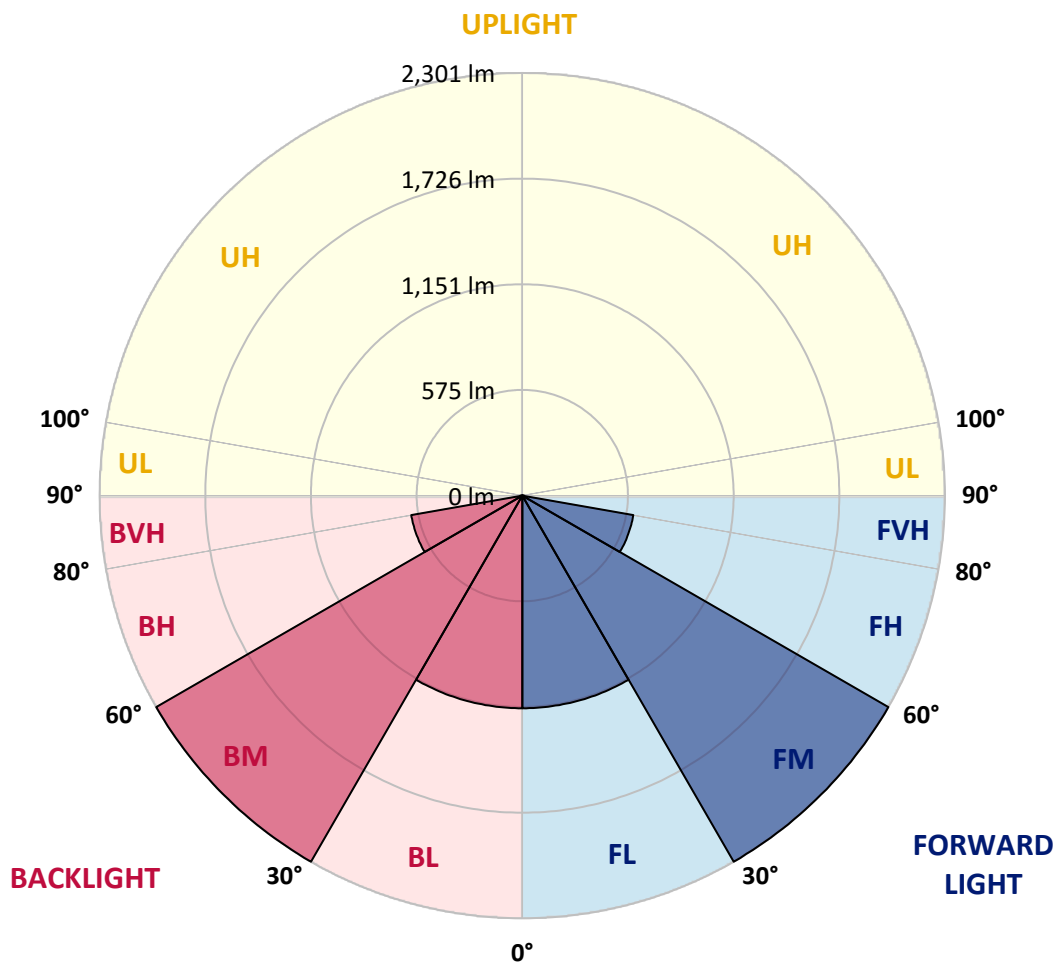
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1157.6	14.2			
FM (30°-60°)	2301.5	28.2			
FH (60°-80°)	613.8	7.5			G0/660
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	1157.6	14.2	B3/2500		
BM (30°-60°)	2301.5	28.2	B2/2500		
BH (60°-80°)	613.8	7.5	B2/1000		G0/660
BVH (80°-90°)	10.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	2926
2.5°	2916
5°	2928
6°	2929
7.5°	2922
10°	2894
12.5°	2874
15°	2858
17.5°	2824
20°	2774
22.5°	2719
25°	2669
27.5°	2615
30°	2549
32.5°	2482
35°	2430
37.5°	2374
40°	2322
42.5°	2255
45°	2157
47.5°	2035
50°	1899
52.5°	1756
55°	1605
57.5°	1440
60°	1268
62.5°	1106
65°	939
67.5°	763
70°	596
72.5°	420
75°	264
77.5°	144
80°	61
82.5°	25
85°	15
87.5°	7
90°	0

(END OF REPORT)