

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: EPHESUS

Report Number: P638764

Luminaire Tested: **EPH-VN-06-E-935-U-66-VI**

Issue Date: 11/2/2022

Test Information

Test Method: LM-79-08
Report Number: P638764
Test Lab: INNOVATION CENTER(G2)
Issue Date: 11/2/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-06-E-935-U-66-VI
Description: EPHESUS LUMAVISION FLOOD – Middle Tier Light Square Luminaire w/
Nema 6 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29625.6 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): 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: 25 FT



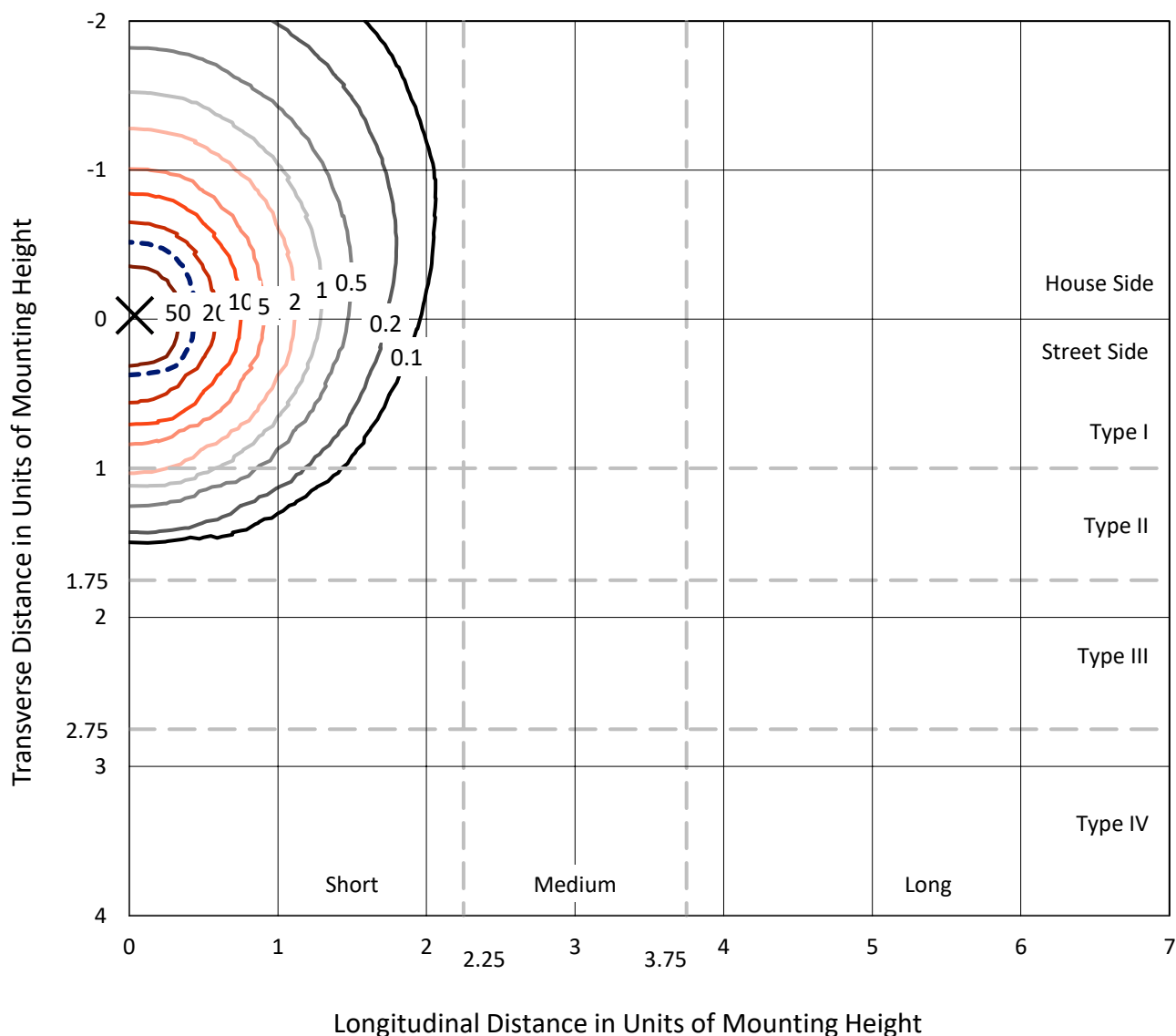
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

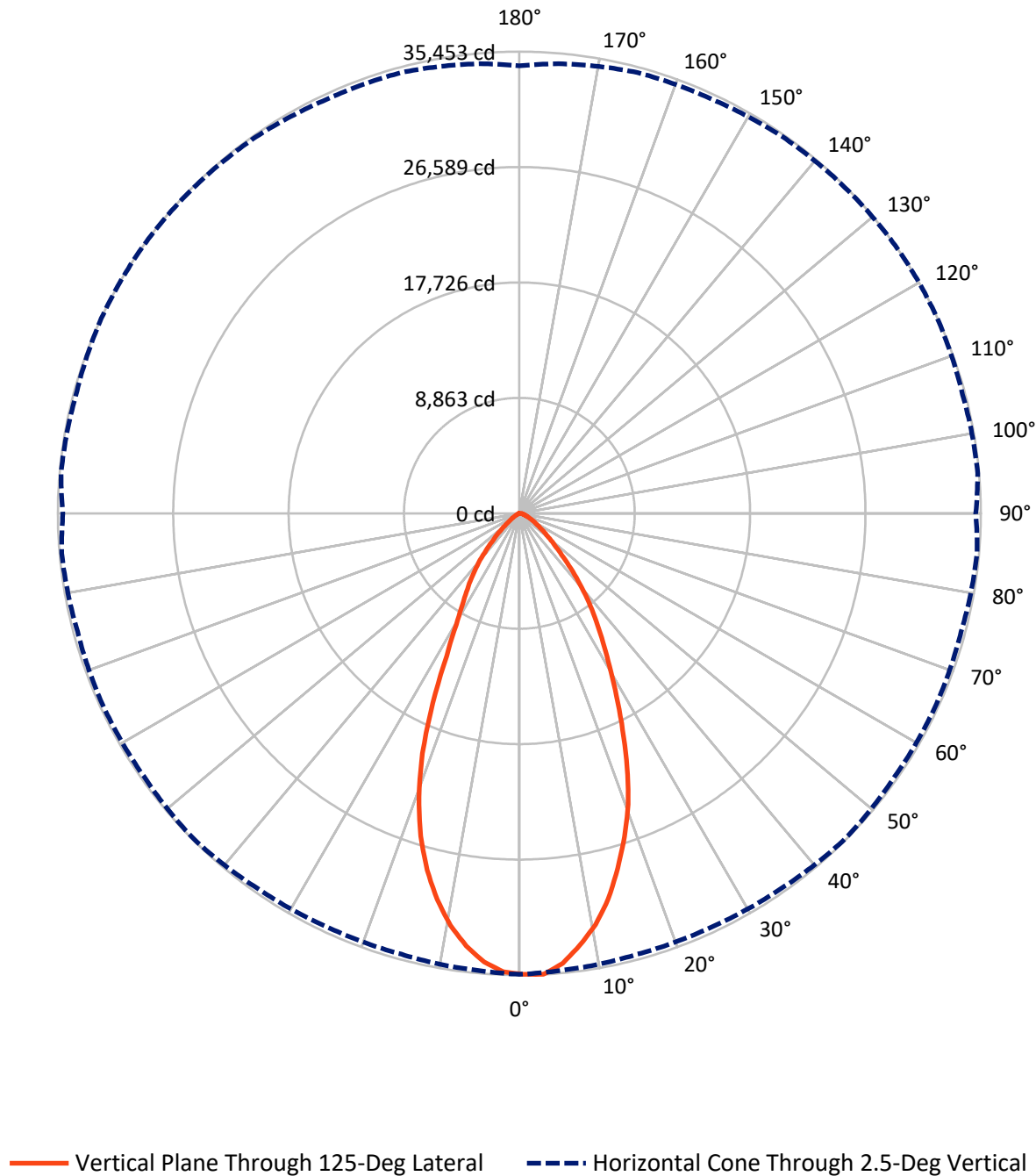


Based on 20 foot mounting height. Maximum calculated value = 88.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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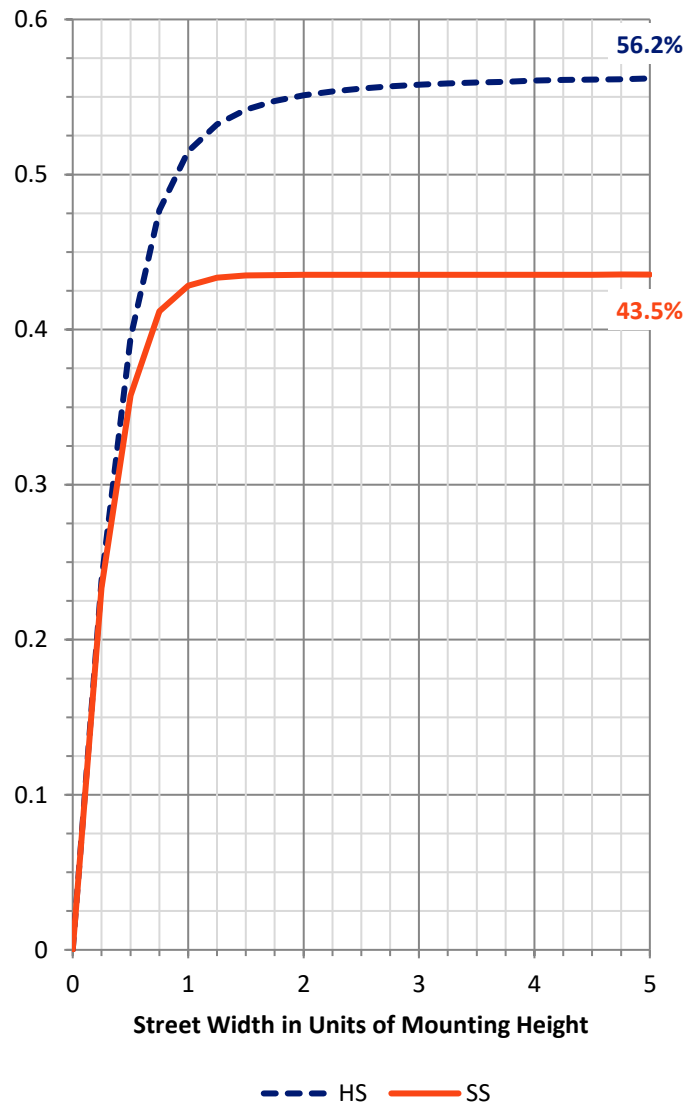
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16810.7	0.0	16810.7
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	12814.8	0.0	12814.8
	% Fixture	43.3	0.0	43.3
Total	Lumens	29625.6	0.0	29625.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3214.0	10.8
10°-20°	7661.5	25.9
20°-30°	7803.1	26.3
30°-40°	5818.8	19.6
40°-50°	3039.9	10.3
50°-60°	1278.6	4.3
60°-70°	522.2	1.8
70°-80°	219.7	0.7
80°-90°	67.7	0.2
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°	29625.6	100.0
0°-180°	29625.6	100.0

Coefficient of Utilization



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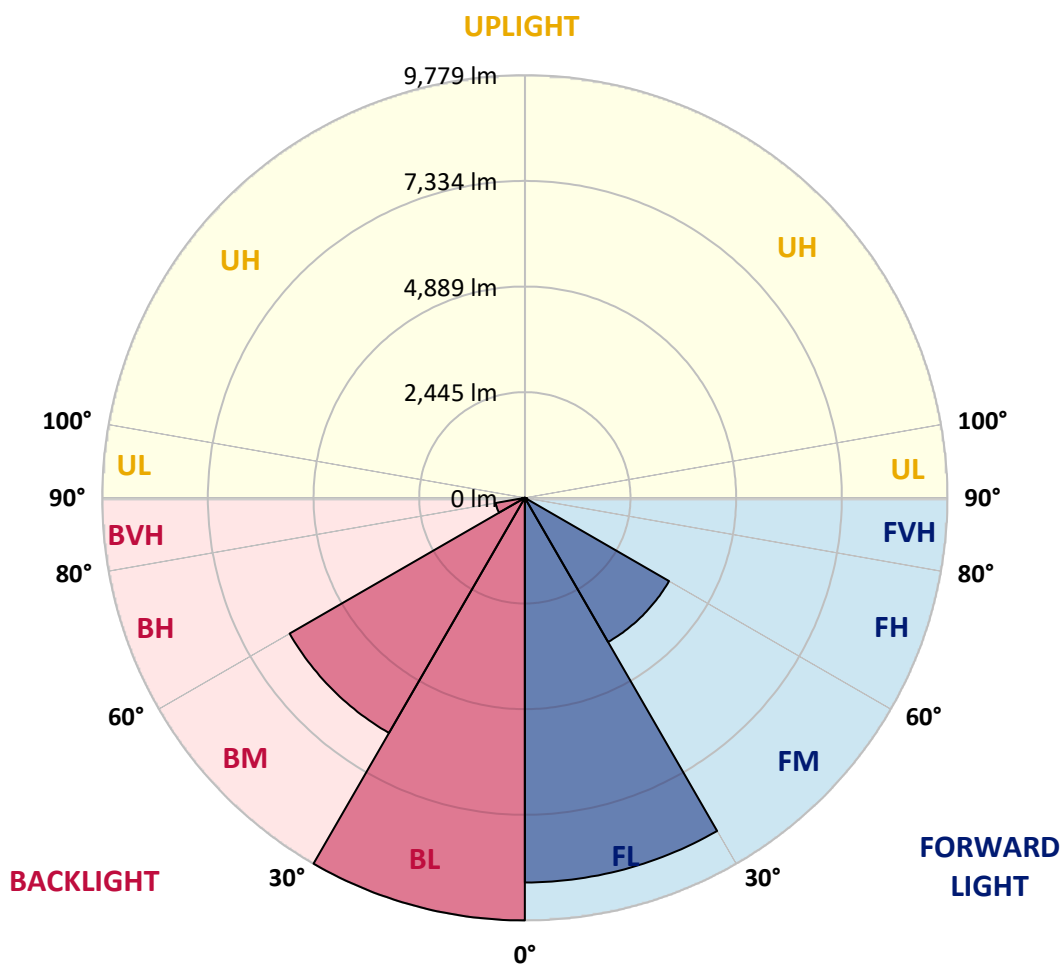
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8899.9	30.0			
FM	(30°-60°)	3852.9	13.0			
FH	(60°-80°)	55.7	0.2			G0/660
FVH	(80°-90°)	6.3	0.0			G0/10
BL	(0°-30°)	9778.8	33.0	B5		
BM	(30°-60°)	6284.3	21.2	B4/8500		
BH	(60°-80°)	686.2	2.3	B2/1000		G2/1000
BVH	(80°-90°)	61.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type I Short



180°
35395.4
34356.5
33781.9
32940.8
31365.3
29671.9
27708.2
25744.5
23583.0
21497.6
19396.9
17509.3
15629.4
13795.1
12094.0
10461.5
8836.5
7215.3
5795.9
4749.3
3912.1
3234.7
2690.5
2264.3
1914.2
1625.0
1381.4
1175.9
974.2
696.4
494.7
350.1
251.2
175.1
114.2
60.9
0.0

(END OF REPORT)