

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: STREETWORKS

Report Number: P636518

Luminaire Tested: **IFLD-S-SA6D-940-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636518
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-940-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27338.9 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 368.2
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



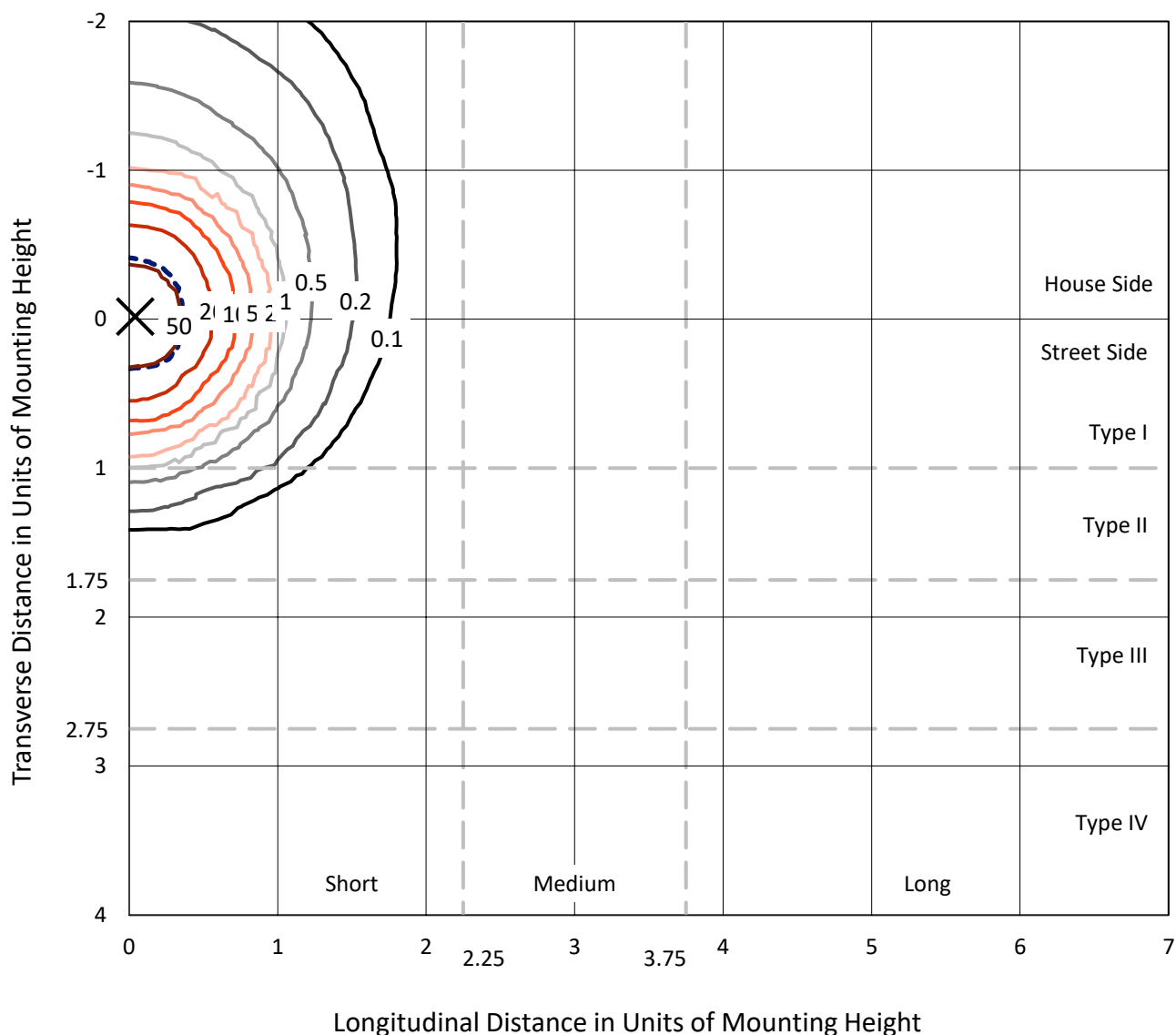
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

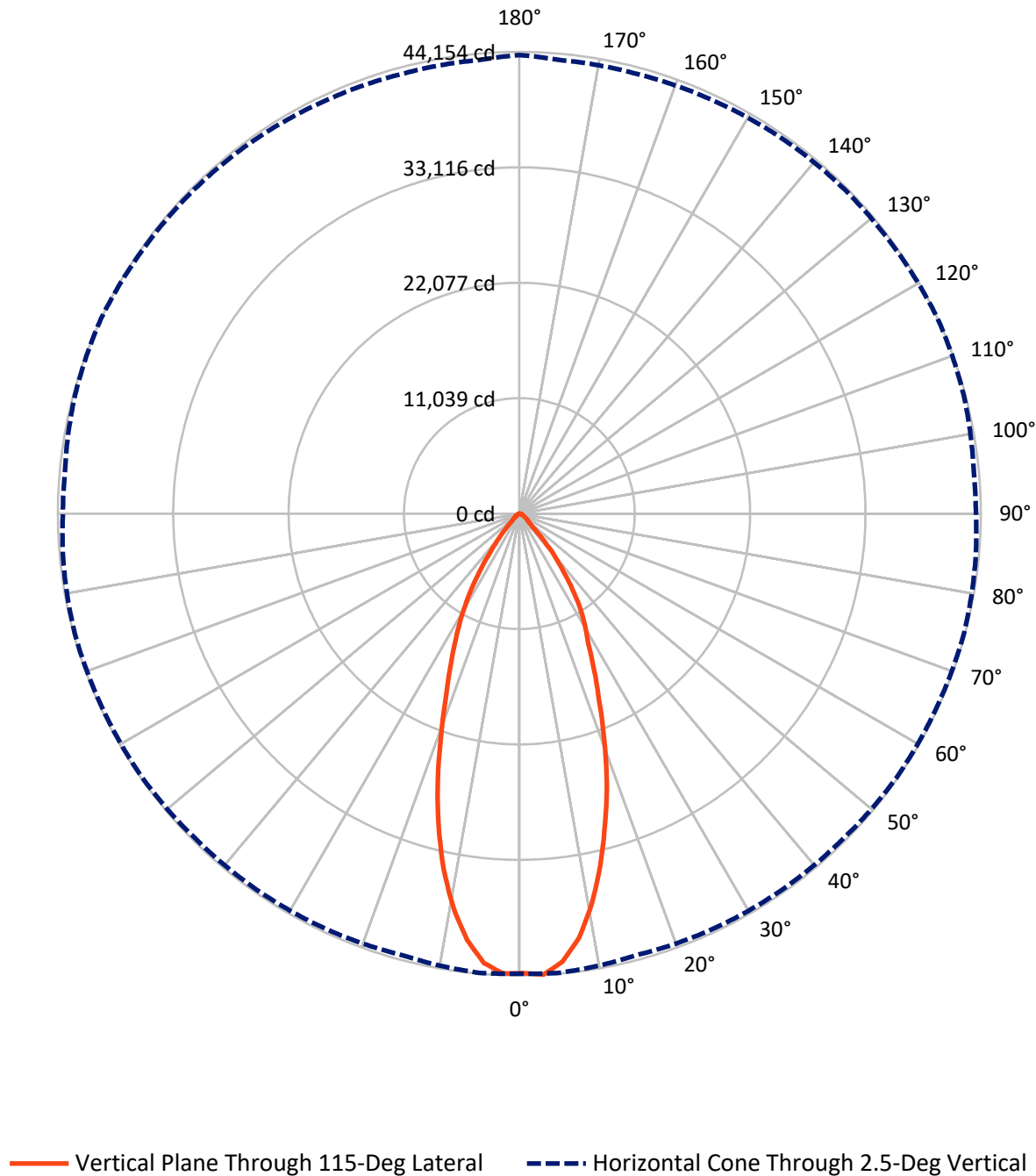


Based on 20 foot mounting height. Maximum calculated value = 109.9 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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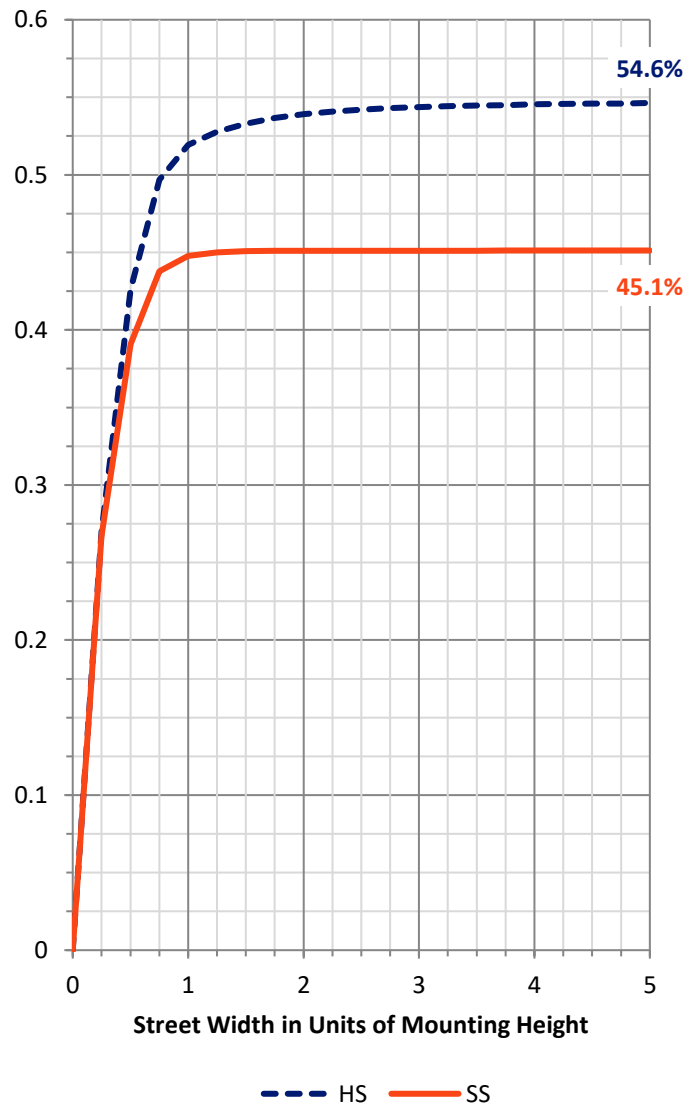
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15087.9	0.0	15087.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	12251.0	0.0	12251.0
	% Fixture	44.8	0.0	44.8
Total	Lumens	27338.9	0.0	27338.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3941.7	14.4
10°-20°	8330.8	30.5
20°-30°	7519.0	27.5
30°-40°	4975.8	18.2
40°-50°	1490.5	5.5
50°-60°	597.9	2.2
60°-70°	309.6	1.1
70°-80°	134.4	0.5
80°-90°	39.1	0.1
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°	27338.9	100.0
0°-180°	27338.9	100.0

Coefficient of Utilization



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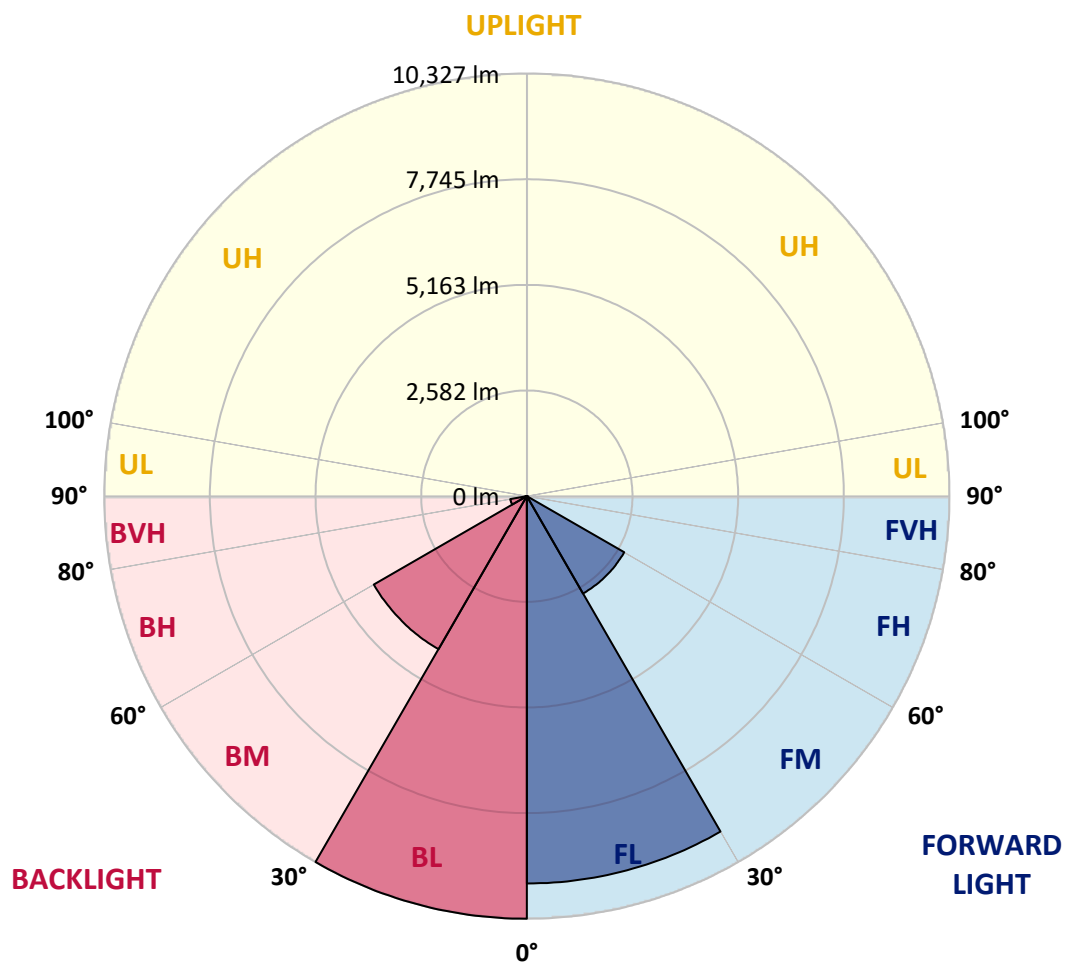
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9464.9	34.6			
FM	(30°-60°)	2746.4	10.0			
FH	(60°-80°)	34.0	0.1			G0/660
FVH	(80°-90°)	5.6	0.0			G0/10
BL	(0°-30°)	10326.6	37.8	B5		
BM	(30°-60°)	4317.8	15.8	B3/5000		
BH	(60°-80°)	410.0	1.5	B1/500		G1/500
BVH	(80°-90°)	33.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



180°
43947.3
43852.3
43203.7
41364.2
38311.3
34777.6
30953.2
27559.3
24400.3
21481.6
19049.4
16902.4
14889.5
13066.8
10998.0
8638.5
6480.3
4238.2
2365.1
1929.0
1716.5
1587.9
1453.7
1341.9
1179.8
1040.0
911.4
794.0
592.7
352.2
229.2
184.5
151.0
134.2
78.3
28.0
0.0

(END OF REPORT)