

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: P525588

Luminaire Tested: **IFLD-S-SA3B-950-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525588
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-950-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12640.4 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 122.4
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: 24 FT

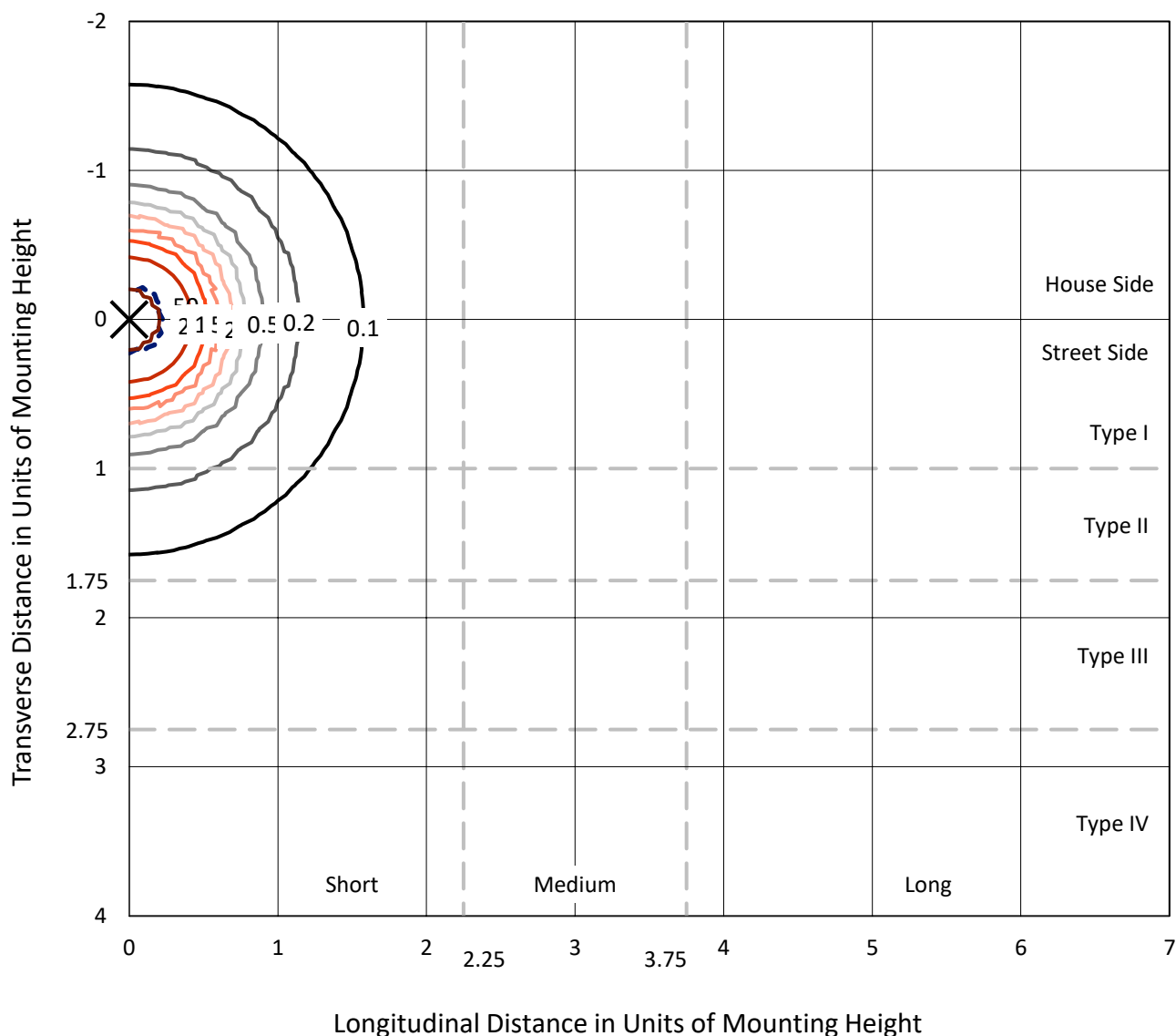
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

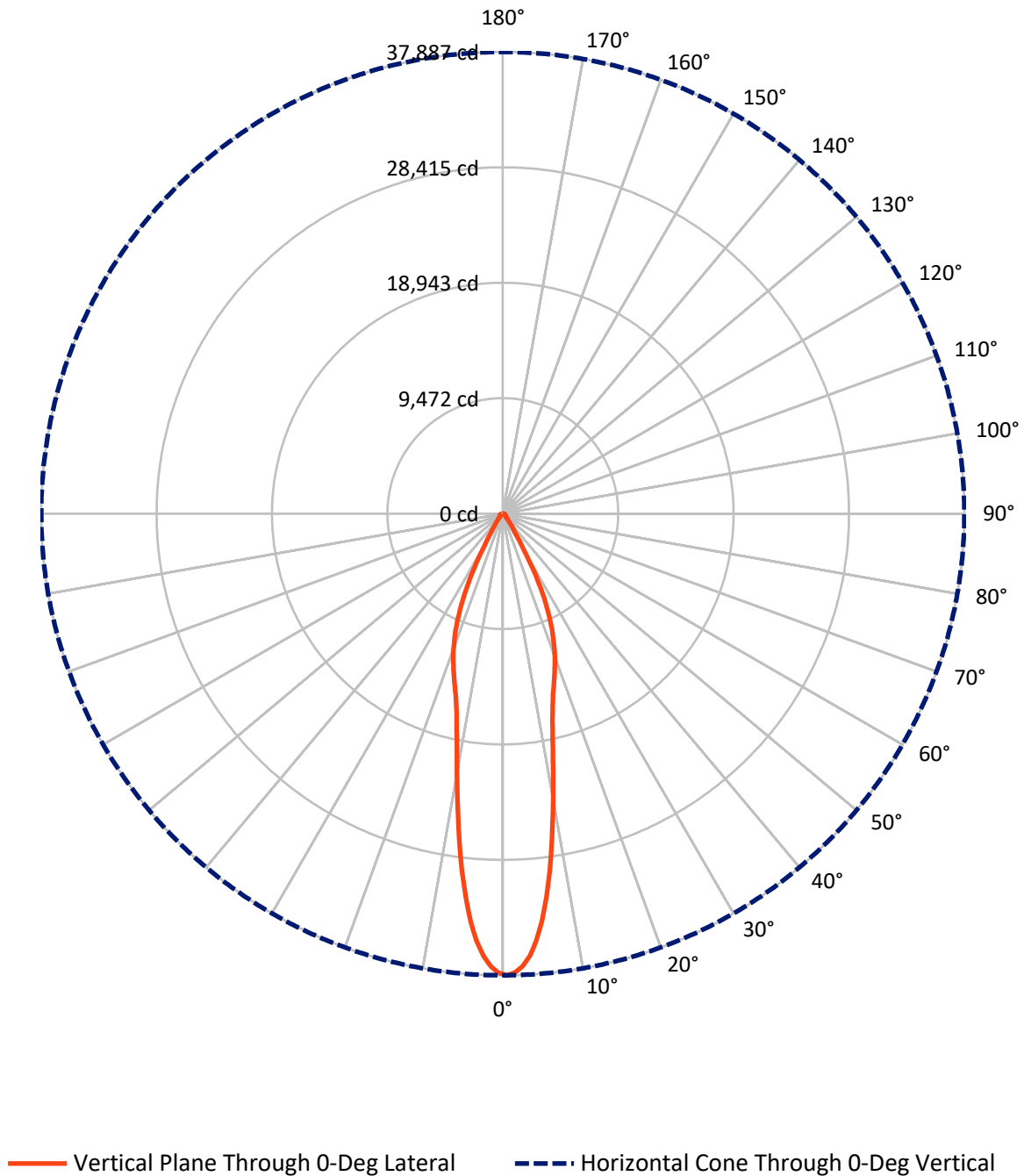


Based on 20 foot mounting height. Maximum calculated value = 94.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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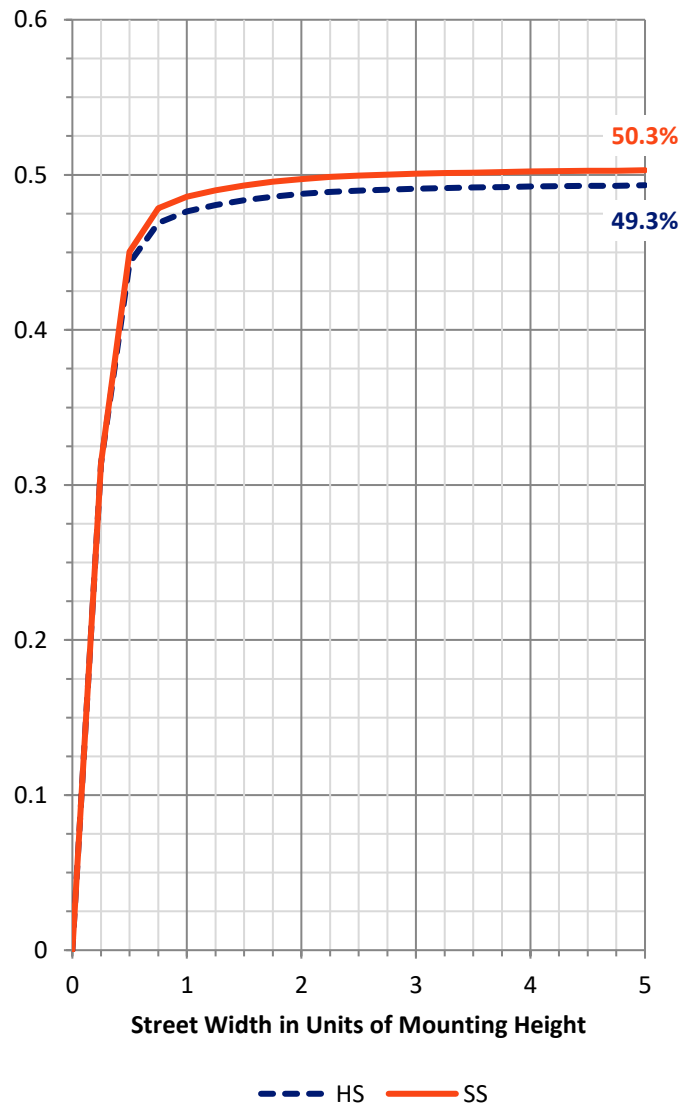
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6320.2	0.0	6320.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6320.2	0.0	6320.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12640.4	0.0	12640.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2836.1	22.4
10°-20°	4423.0	35.0
20°-30°	3584.1	28.4
30°-40°	869.9	6.9
40°-50°	292.7	2.3
50°-60°	231.3	1.8
60°-70°	230.8	1.8
70°-80°	127.4	1.0
80°-90°	45.1	0.4
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°	12640.4	100.0
0°-180°	12640.4	100.0

Coefficient of Utilization



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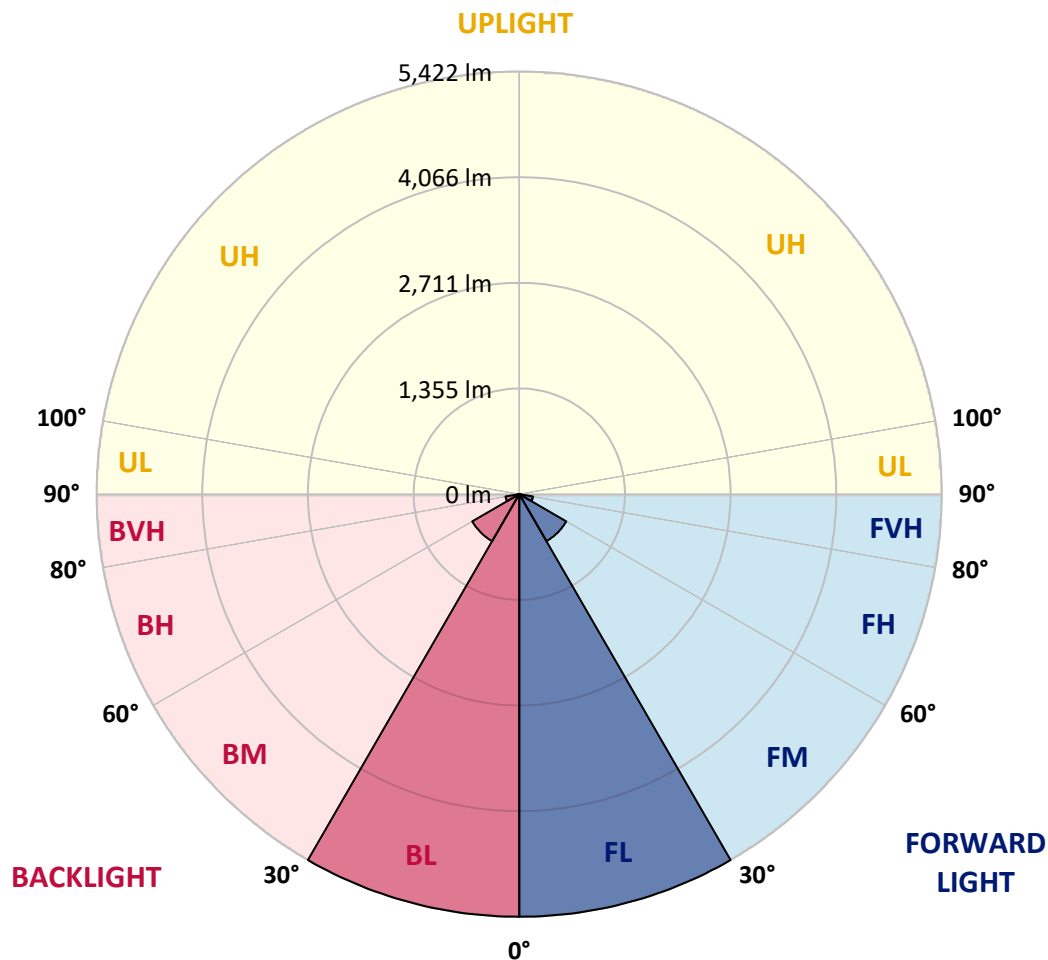
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5421.6	42.9			
FM	(30°-60°)	696.9	5.5			
FH	(60°-80°)	179.1	1.4			G0/660
FVH	(80°-90°)	22.6	0.2			G1/100
BL	(0°-30°)	5421.6	42.9	B5		
BM	(30°-60°)	696.9	5.5	B1/1000		
BH	(60°-80°)	179.1	1.4	B1/500		G0/660
BVH	(80°-90°)	22.6	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	37886.7
1°	37689.4
2°	37182.6
3°	36342.1
4°	35134.9
5°	33577.5
6°	31669.9
7°	29537.4
8°	27222.5
9°	24892.8
10°	22664.5
11°	20659.2
12°	18902.8
13°	17459.6
14°	16309.5
15°	15404.6
17.5°	13729.2
20°	12170.0
22.5°	10343.4
25°	8222.0
27.5°	5803.9
30°	3153.5
32.5°	1813.6
35°	1210.9
37.5°	825.7
40°	587.9
42.5°	455.2
45°	355.7
47.5°	291.2
50°	267.2
52.5°	254.3
55°	248.8
57.5°	258.0
60°	272.8
62.5°	267.2
65°	237.8
67.5°	204.6
70°	173.3
72.5°	143.8
75°	118.0
77.5°	95.8
80°	77.4
82.5°	62.7
85°	47.9
87.5°	16.6

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)