

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: P525977

Luminaire Tested: **IFLD-S-SA3A-950-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525977  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-950-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (48) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

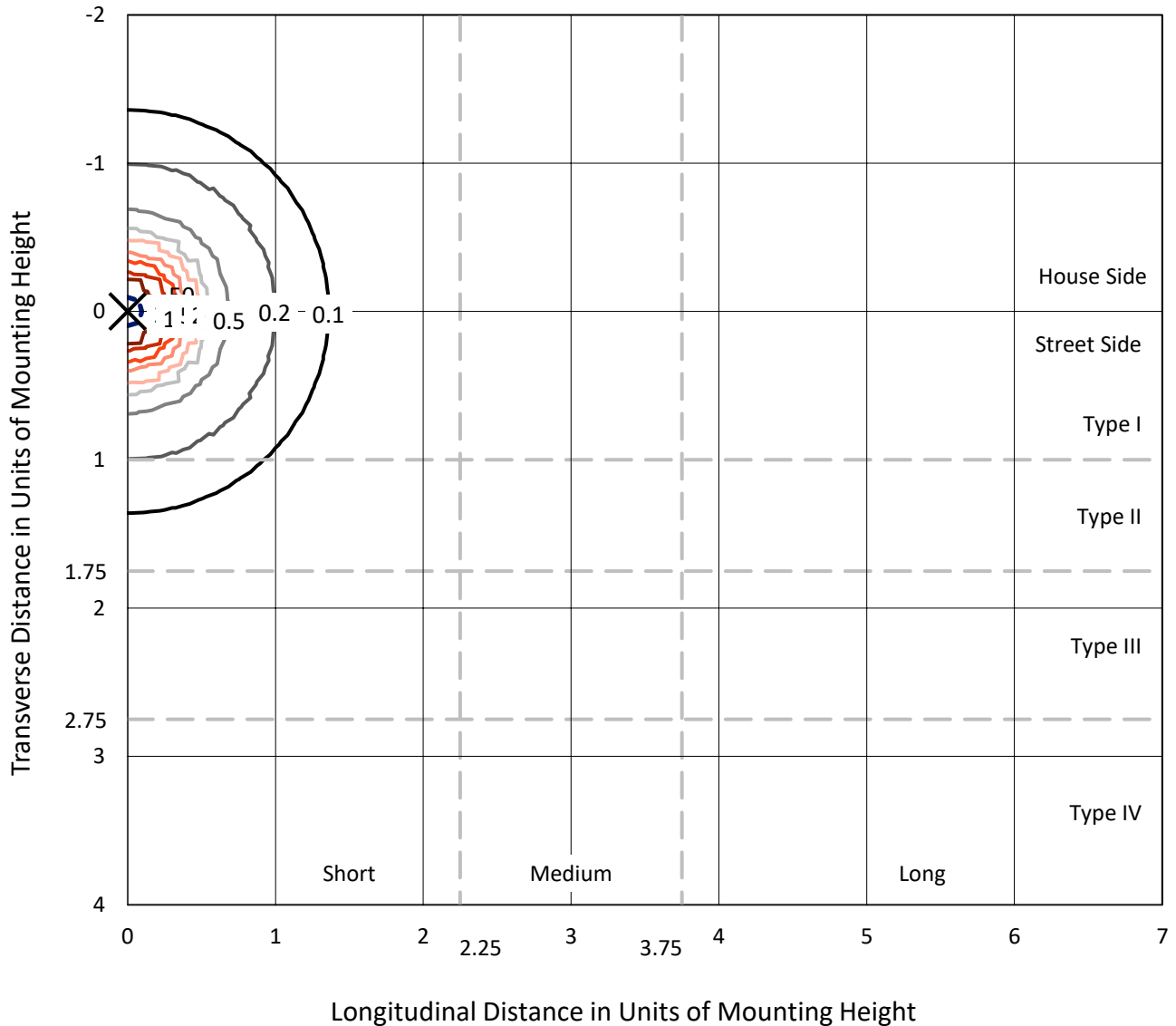
Lumens per Lamp: N/A  
Luminaire Lumens: 10157.7 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8  
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

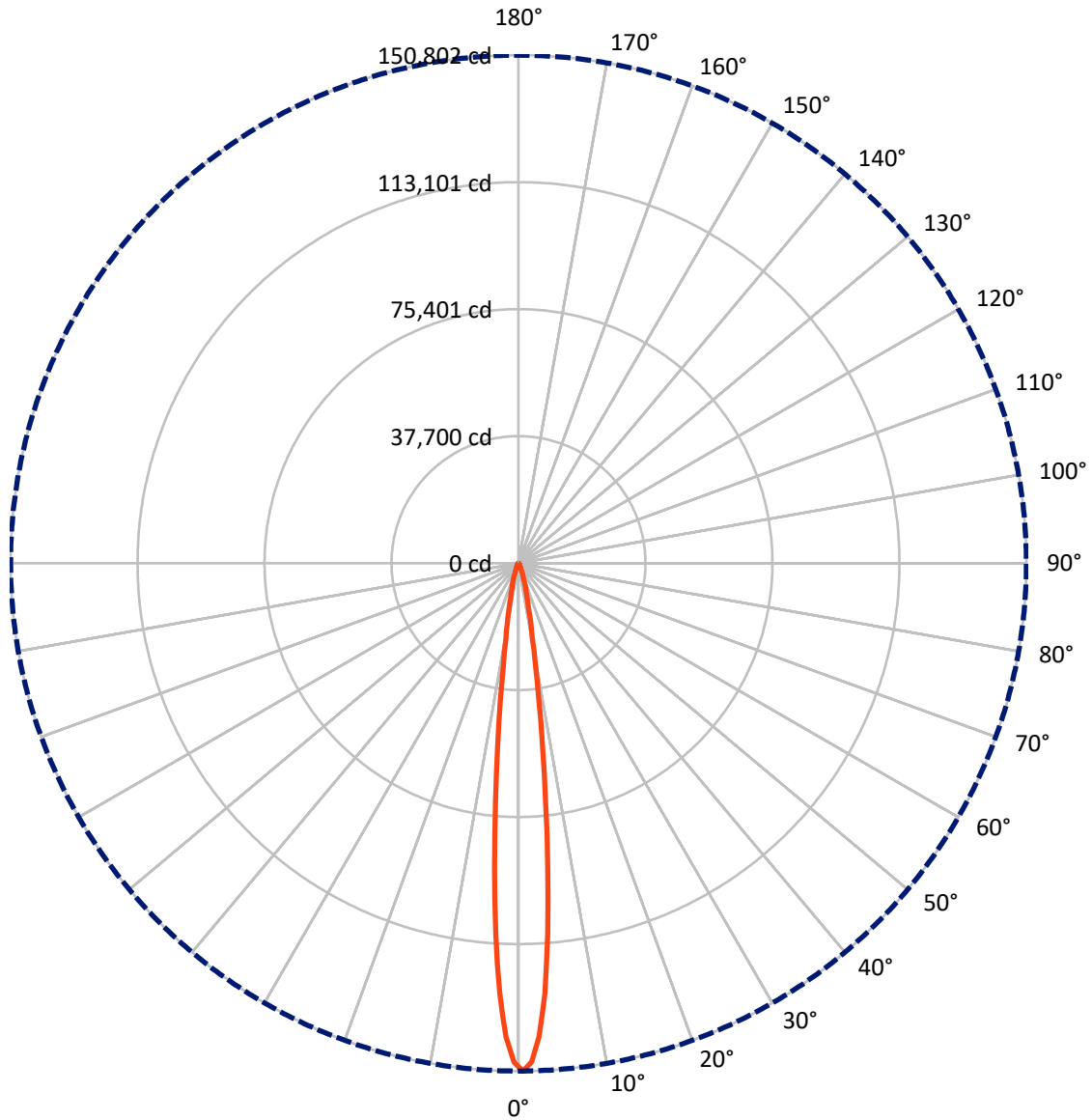
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 377 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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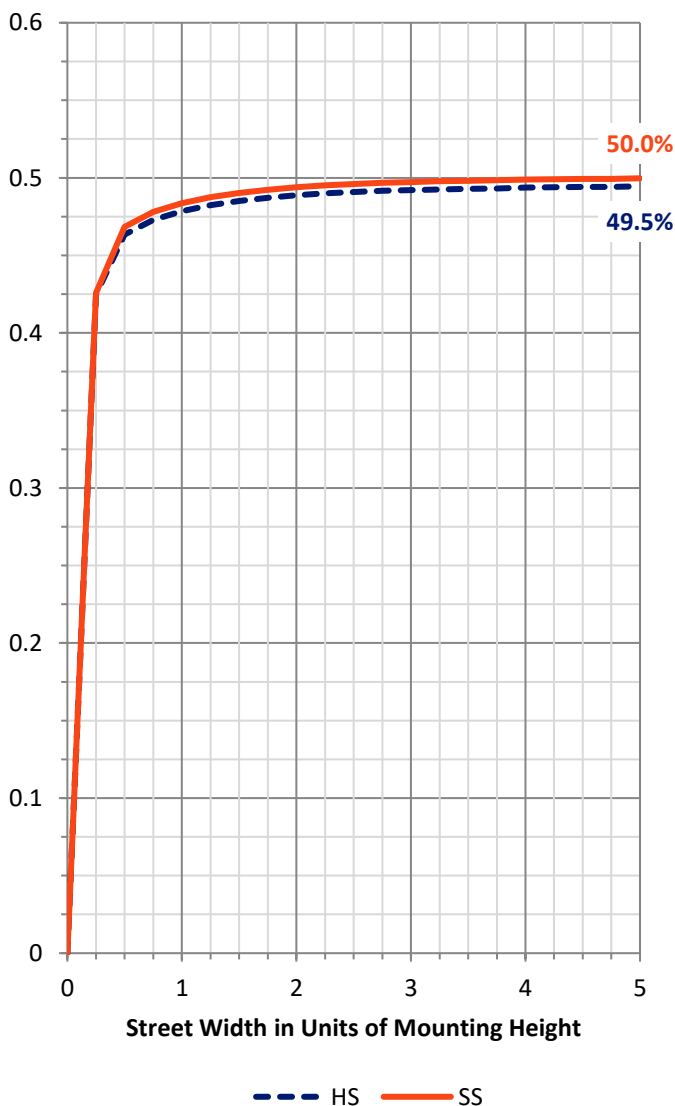
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5078.9	0.0	5078.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5078.9	0.0	5078.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10157.7	0.0	10157.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6232.6	61.4
10°-20°	2480.0	24.4
20°-30°	571.8	5.6
30°-40°	217.1	2.1
40°-50°	177.2	1.7
50°-60°	170.2	1.7
60°-70°	163.0	1.6
70°-80°	107.9	1.1
80°-90°	37.9	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°	10157.7	100.0
0°-180°	10157.7	100.0

**Coefficient of Utilization**



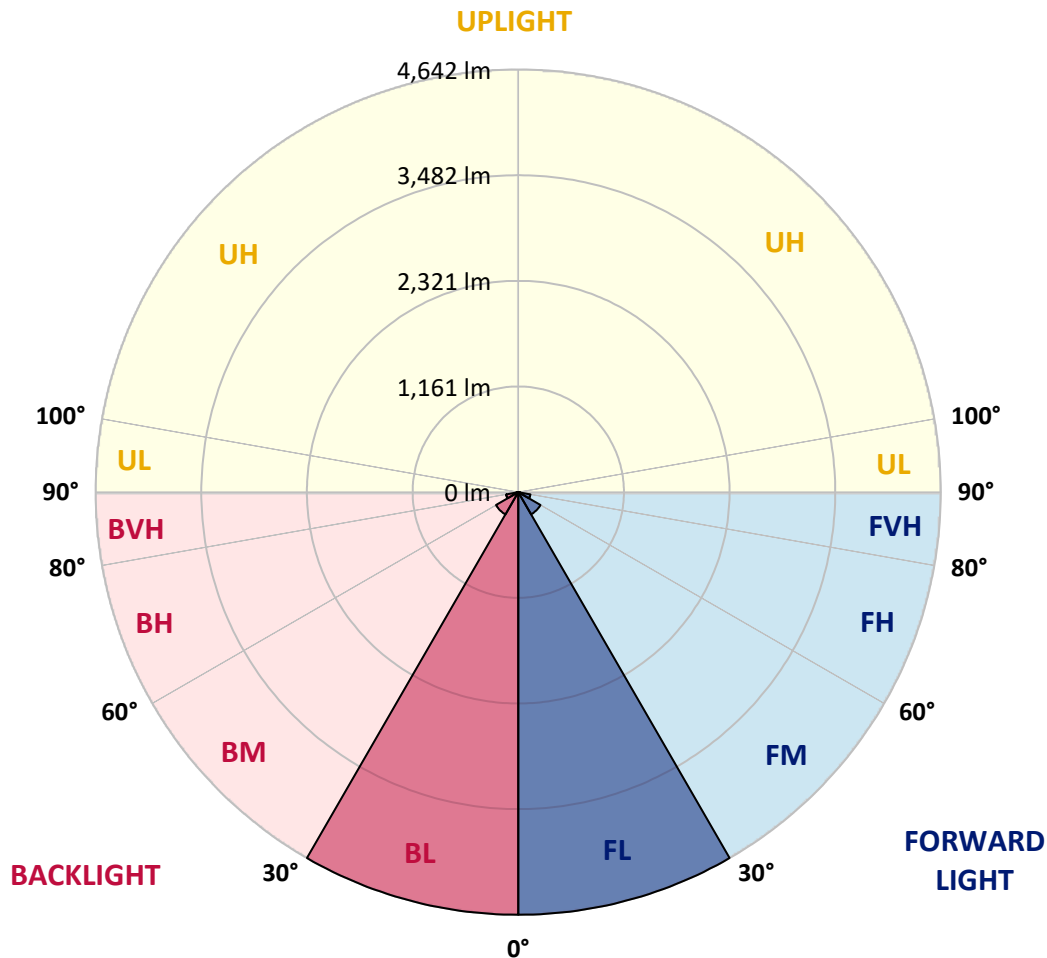
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4642.2	45.7			
FM (30°-60°)	282.2	2.8			
FH (60°-80°)	135.5	1.3			G0/660
FVH (80°-90°)	19.0	0.2			G1/100
BL (0°-30°)	4642.2	45.7	B4/5000		
BM (30°-60°)	282.2	2.8	B1/1000		
BH (60°-80°)	135.5	1.3	B1/500		G0/660
BVH (80°-90°)	19.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	150801.7
1°	148148.8
2°	140717.9
3°	127954.5
4°	110405.6
5°	90618.1
6°	71242.0
7°	54575.3
8°	40732.9
9°	30369.0
10°	22647.4
12.5°	12343.1
15°	7919.8
17.5°	5344.4
20°	3177.4
22.5°	1767.6
25°	1010.5
27.5°	640.9
30°	462.0
32.5°	377.1
35°	335.3
37.5°	311.5
40°	280.2
42.5°	248.9
45°	222.1
47.5°	208.6
50°	199.7
52.5°	193.7
55°	189.3
57.5°	186.3
60°	180.3
62.5°	175.9
65°	166.9
67.5°	155.0
70°	140.1
72.5°	120.7
75°	101.3
77.5°	83.5
80°	67.1
82.5°	52.2
85°	38.7
87.5°	14.9
90°	0.0

(END OF REPORT)