

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: P525974

Luminaire Tested: **IFLD-S-SA2C-950-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525974  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-950-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22  
distribution lens  
Light Source: (32) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

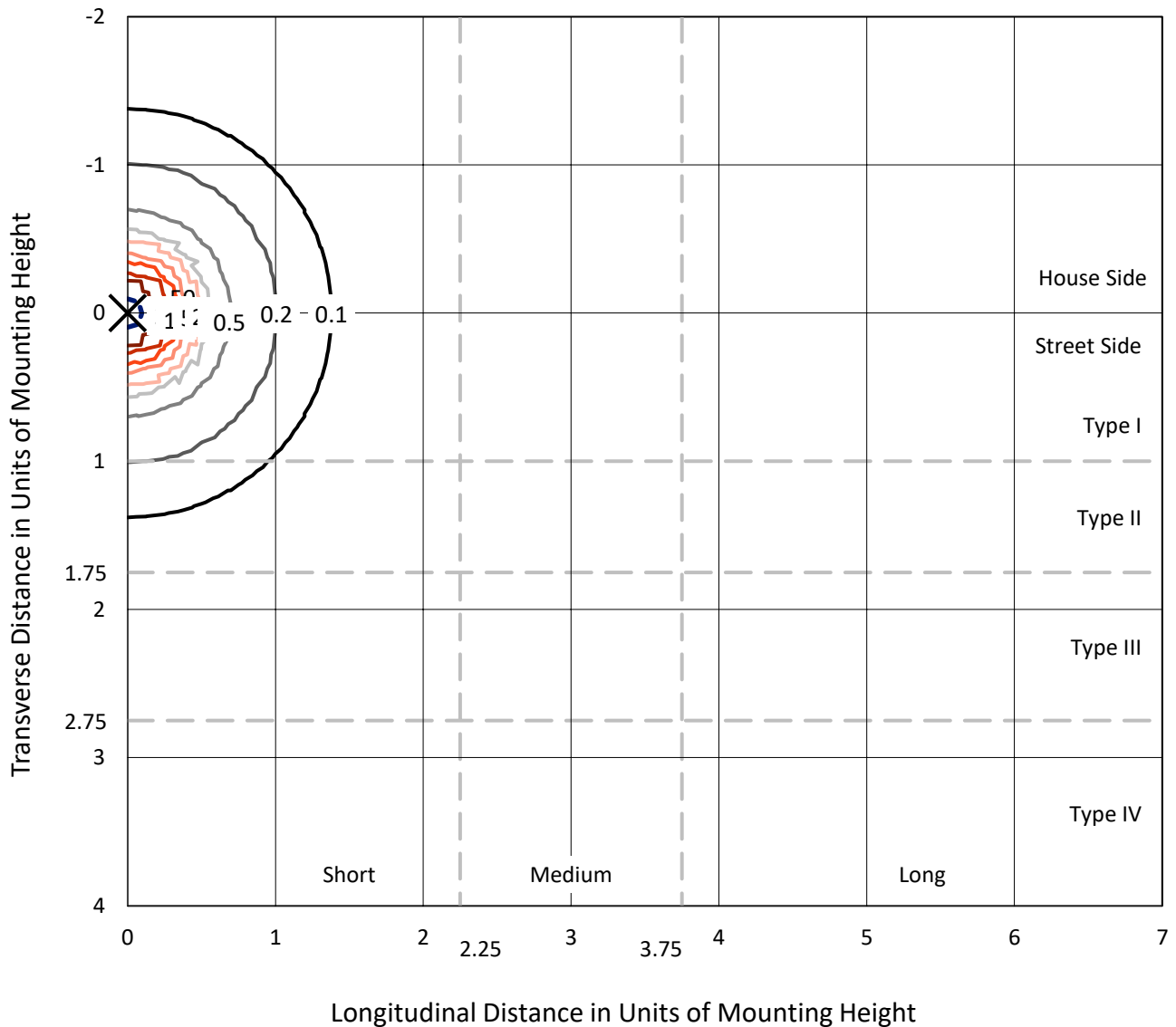
Lumens per Lamp: N/A  
Luminaire Lumens: 10493.5 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

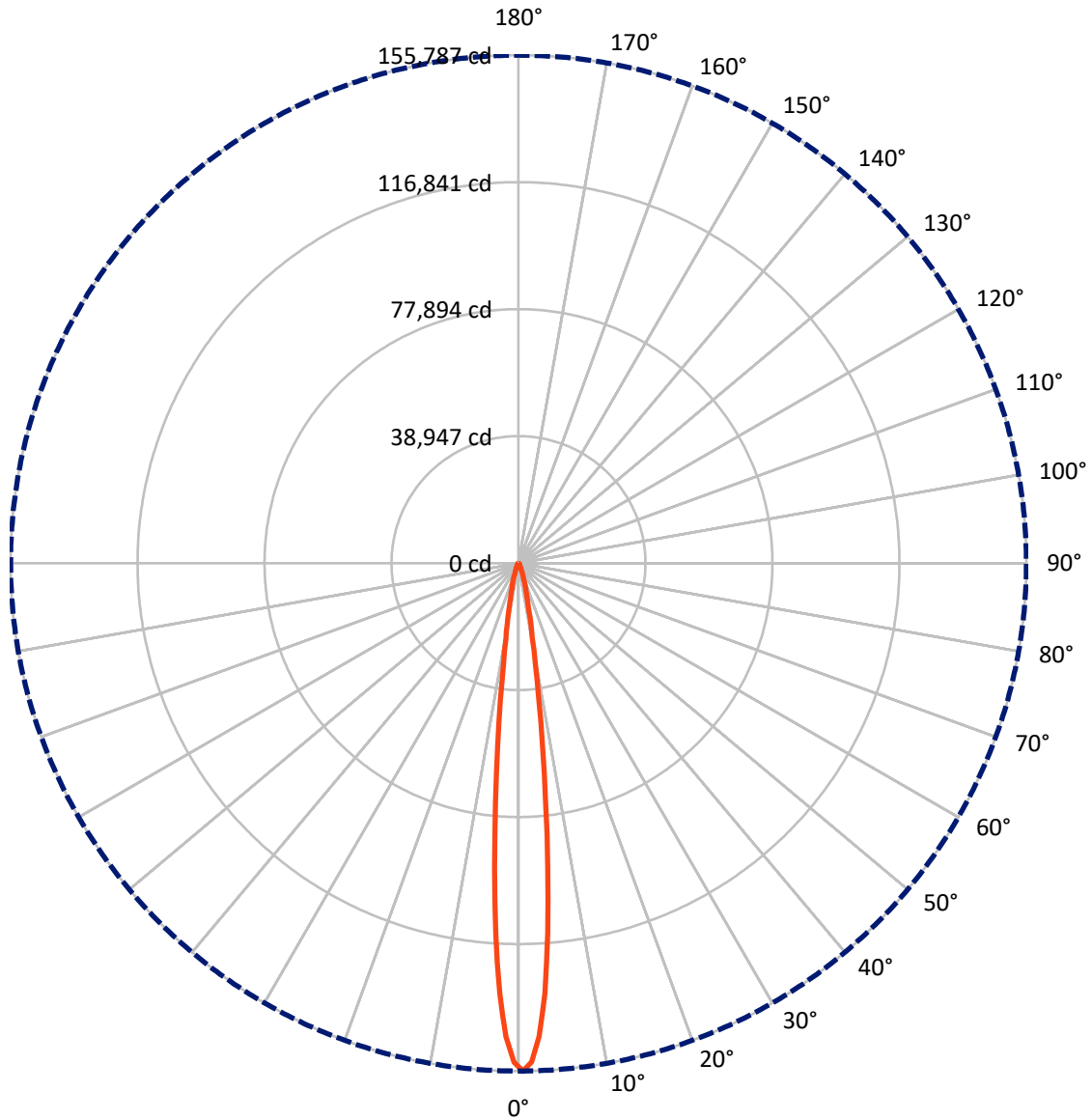
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 389.5 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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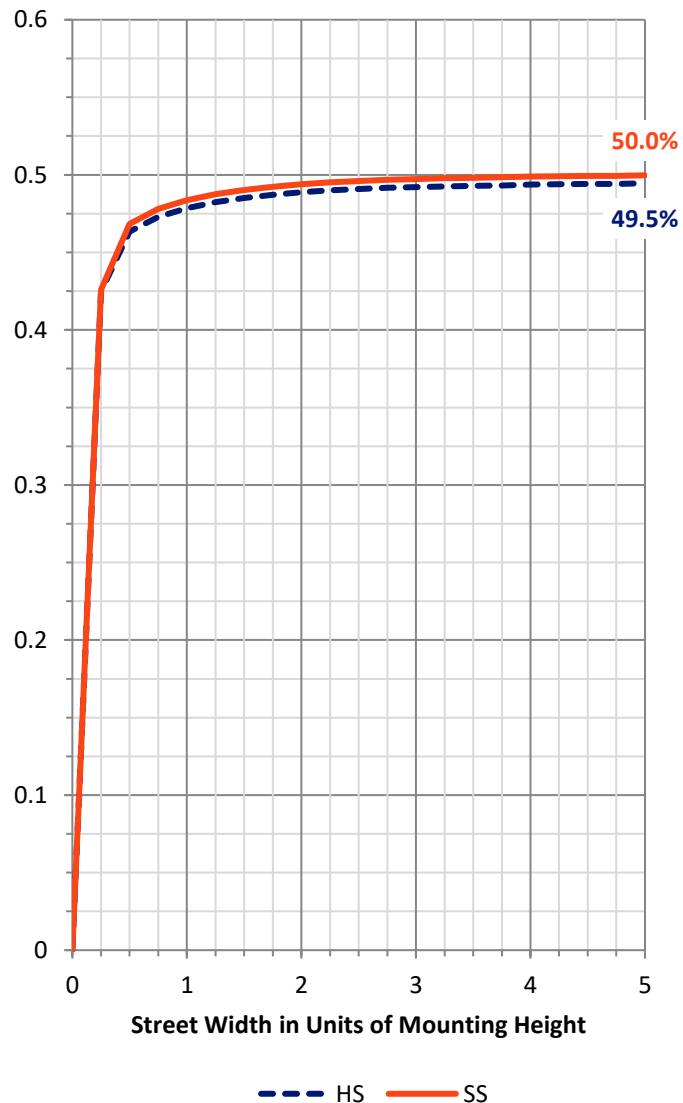
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5246.8	0.0	5246.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5246.8	0.0	5246.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10493.5	0.0	10493.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6438.6	61.4
10°-20°	2562.0	24.4
20°-30°	590.7	5.6
30°-40°	224.3	2.1
40°-50°	183.0	1.7
50°-60°	175.8	1.7
60°-70°	168.4	1.6
70°-80°	111.5	1.1
80°-90°	39.2	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°	10493.5	100.0
0°-180°	10493.5	100.0

**Coefficient of Utilization**



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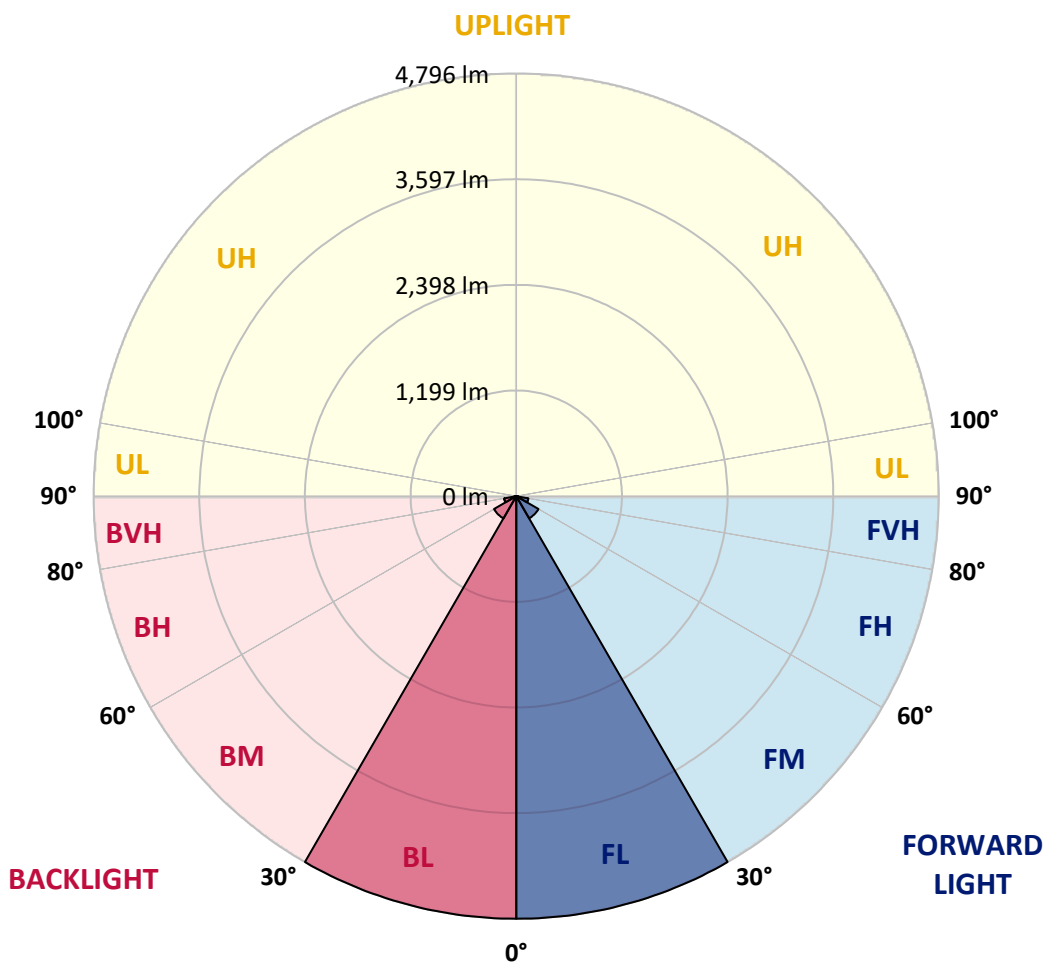
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4795.7	45.7			
FM (30°-60°)	291.6	2.8			
FH (60°-80°)	139.9	1.3			G0/660
FVH (80°-90°)	19.6	0.2			G1/100
BL (0°-30°)	4795.7	45.7	B4/5000		
BM (30°-60°)	291.6	2.8	B1/1000		
BH (60°-80°)	139.9	1.3	B1/500		G0/660
BVH (80°-90°)	19.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	155787.4
1°	153046.8
2°	145370.3
3°	132184.9
4°	114055.7
5°	93614.1
6°	73597.4
7°	56379.7
8°	42079.6
9°	31373.0
10°	23396.2
12.5°	12751.2
15°	8181.6
17.5°	5521.1
20°	3282.5
22.5°	1826.0
25°	1043.9
27.5°	662.0
30°	477.3
32.5°	389.5
35°	346.4
37.5°	321.8
40°	289.5
42.5°	257.1
45°	229.4
47.5°	215.5
50°	206.3
52.5°	200.2
55°	195.5
57.5°	192.5
60°	186.3
62.5°	181.7
65°	172.4
67.5°	160.1
70°	144.7
72.5°	124.7
75°	104.7
77.5°	86.2
80°	69.3
82.5°	53.9
85°	40.0
87.5°	15.4
90°	0.0

(END OF REPORT)