

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: P525702

Luminaire Tested: **IFLD-S-SA2D-935-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525702  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-935-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33  
distribution lens  
Light Source: (32) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

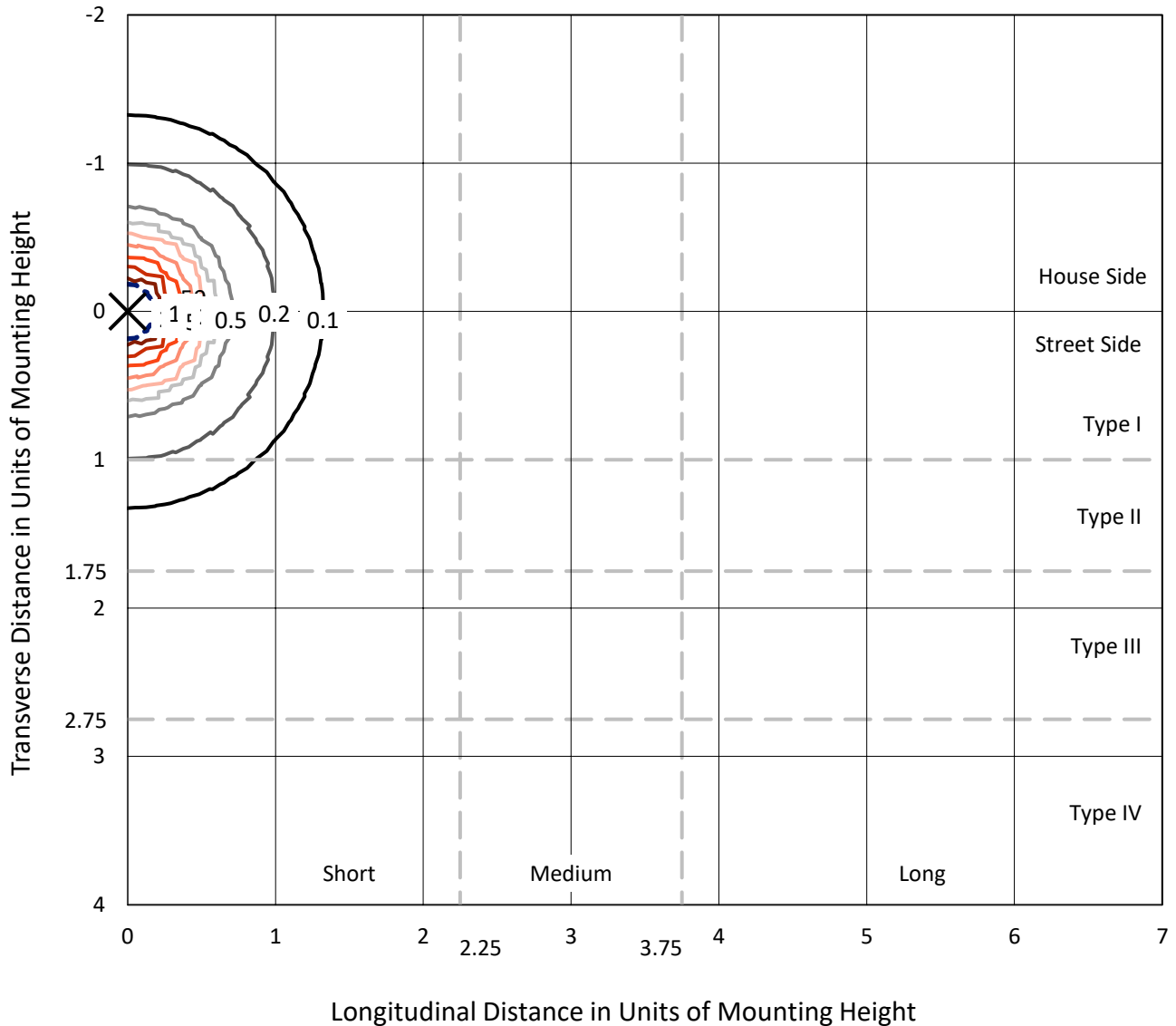
Lumens per Lamp: N/A  
Luminaire Lumens: 10570.8 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 123.9  
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

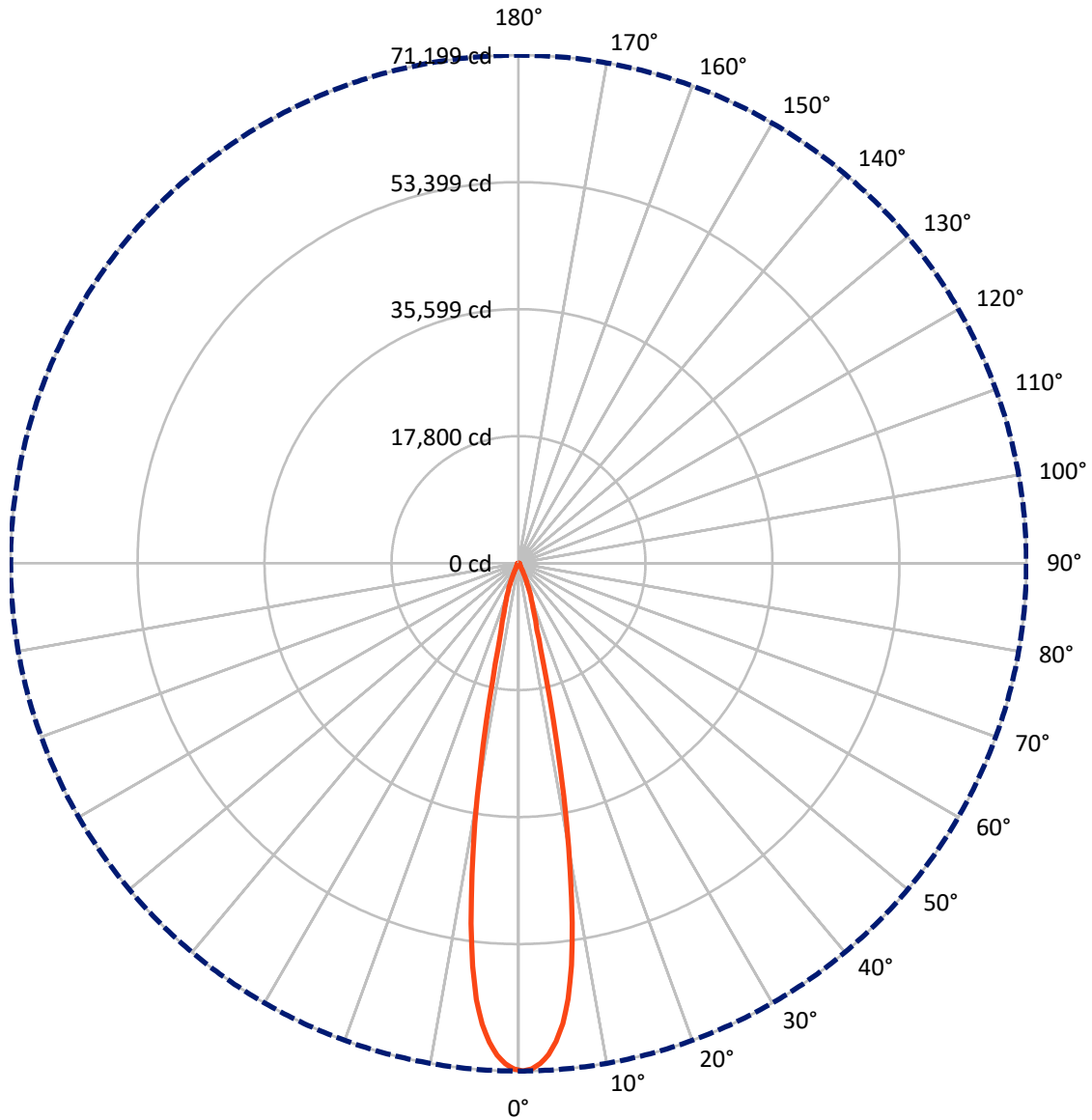
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 178 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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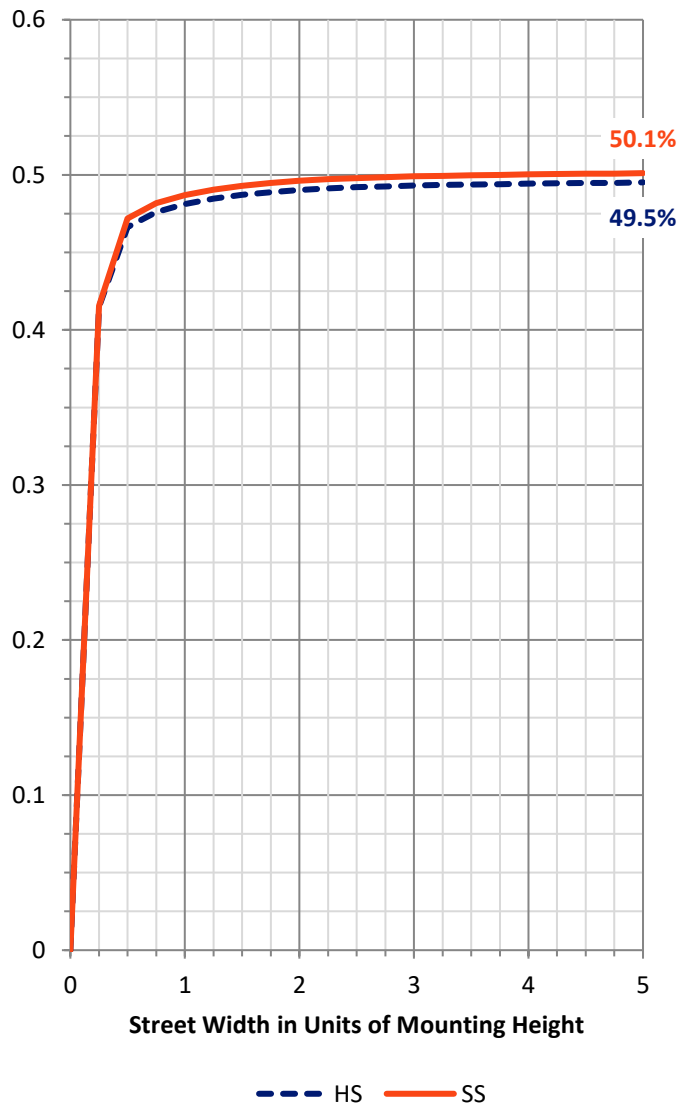
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5285.4	0.0	5285.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5285.4	0.0	5285.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10570.8	0.0	10570.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5301.1	50.1
10°-20°	3486.9	33.0
20°-30°	937.9	8.9
30°-40°	233.0	2.2
40°-50°	173.9	1.6
50°-60°	159.9	1.5
60°-70°	146.7	1.4
70°-80°	94.9	0.9
80°-90°	36.5	0.3
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°	10570.8	100.0
0°-180°	10570.8	100.0

**Coefficient of Utilization**



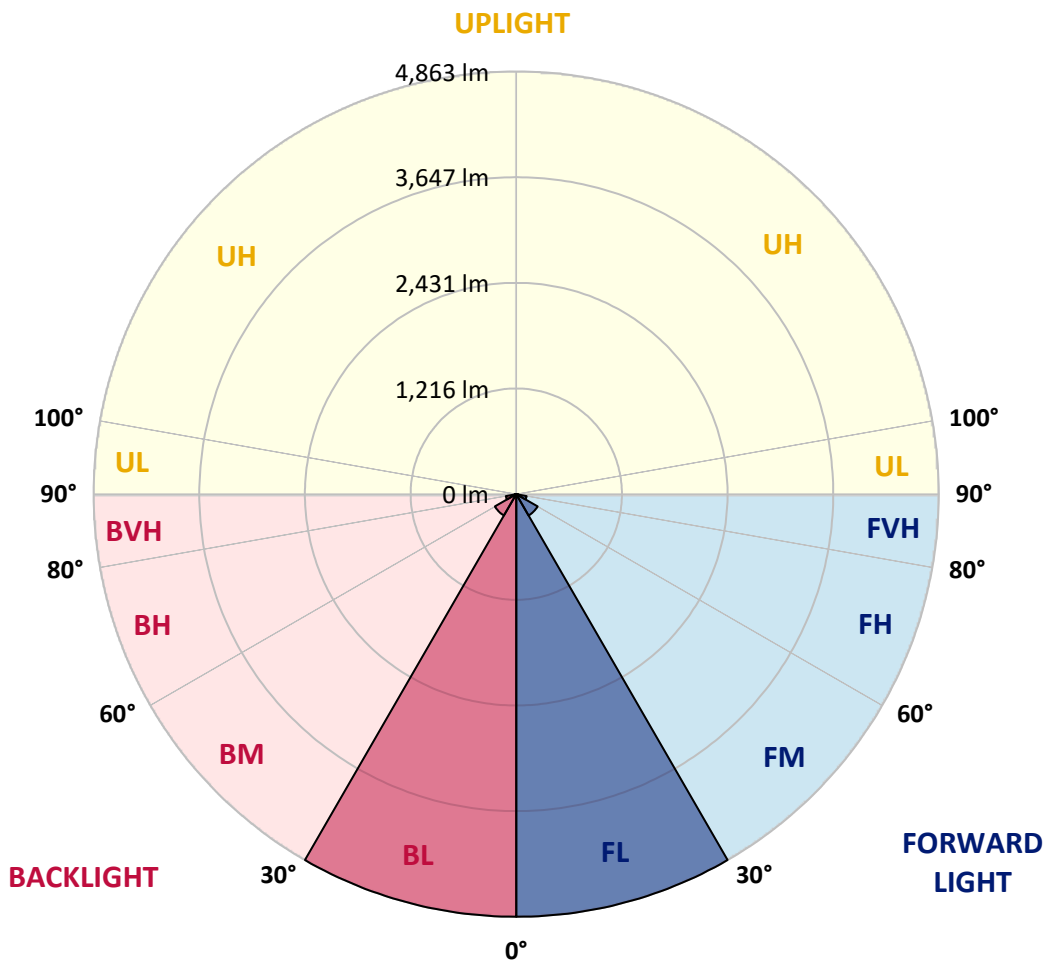
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4863.0	46.0			
FM (30°-60°)	283.4	2.7			
FH (60°-80°)	120.8	1.1			G0/660
FVH (80°-90°)	18.2	0.2			G1/100
BL (0°-30°)	4863.0	46.0	B4/5000		
BM (30°-60°)	283.4	2.7	B1/1000		
BH (60°-80°)	120.8	1.1	B1/500		G0/660
BVH (80°-90°)	18.2	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°	71198.7
1°	70920.0
2°	70218.0
3°	69022.5
4°	67280.7
5°	64855.5
6°	61469.9
7°	56836.0
8°	50959.8
9°	44029.9
10°	37001.8
11°	29452.3
12°	22444.5
13°	16585.5
14°	12412.3
15°	9720.9
17.5°	6515.9
20°	4710.3
22.5°	3105.4
25°	1822.8
27.5°	1022.7
30°	571.3
32.5°	417.2
35°	353.3
37.5°	311.3
40°	274.0
42.5°	245.9
45°	221.0
47.5°	203.9
50°	189.9
52.5°	182.1
55°	177.5
57.5°	174.3
60°	169.7
62.5°	160.3
65°	149.4
67.5°	137.0
70°	121.4
72.5°	104.3
75°	88.7
77.5°	74.7
80°	62.3
82.5°	49.8
85°	37.4
87.5°	15.6



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)