

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: P525927

Luminaire Tested: **IFLD-L-SA7D-935-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525927  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-935-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

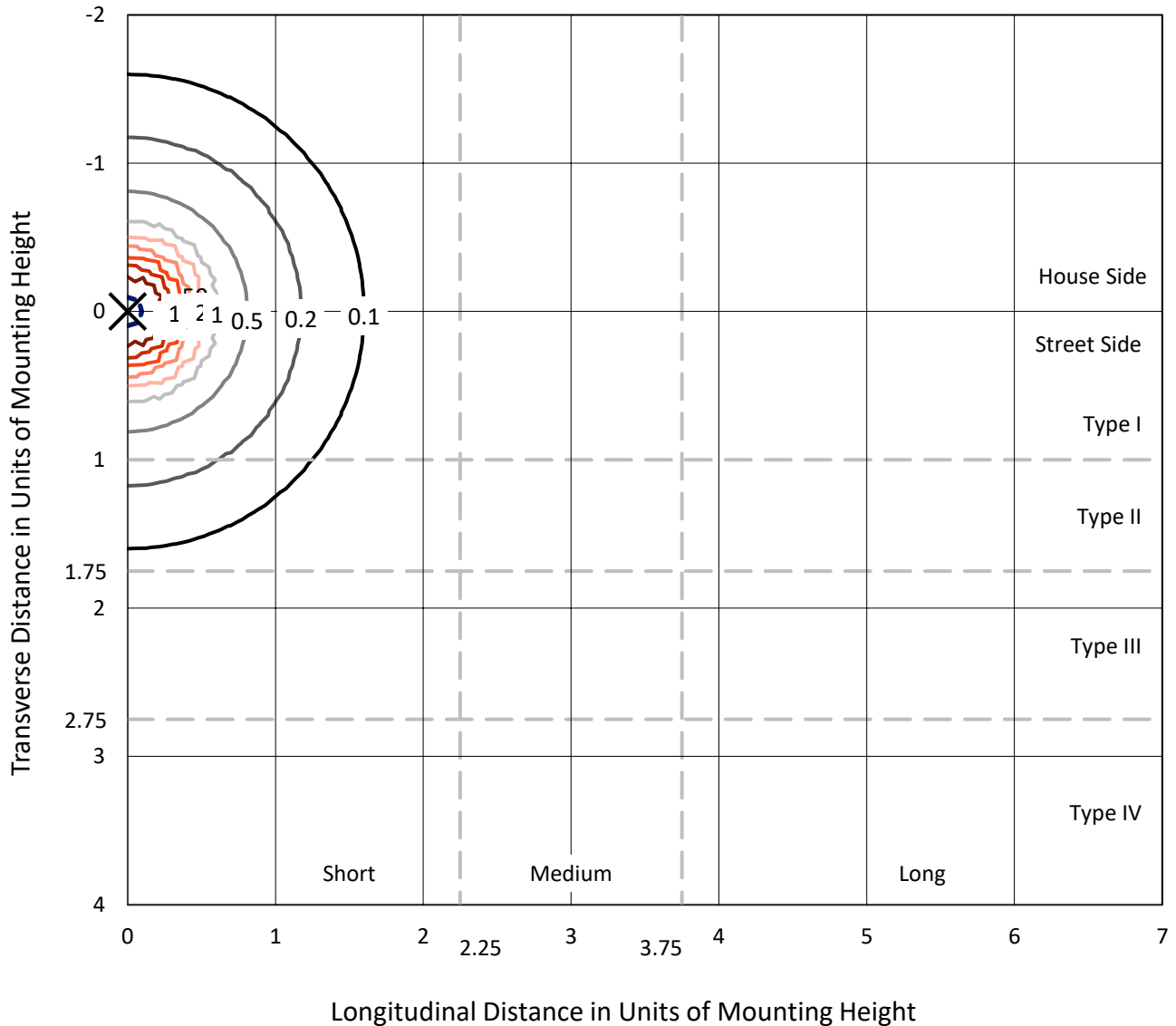
Lumens per Lamp: N/A  
Luminaire Lumens: 33092.3 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6  
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

REPORT NUMBER: P525927  
 CATALOG NUMBER: IFLD-L-SA7D-935-U-22

### Iso-Footcandle Lines of Horizontal Illumination

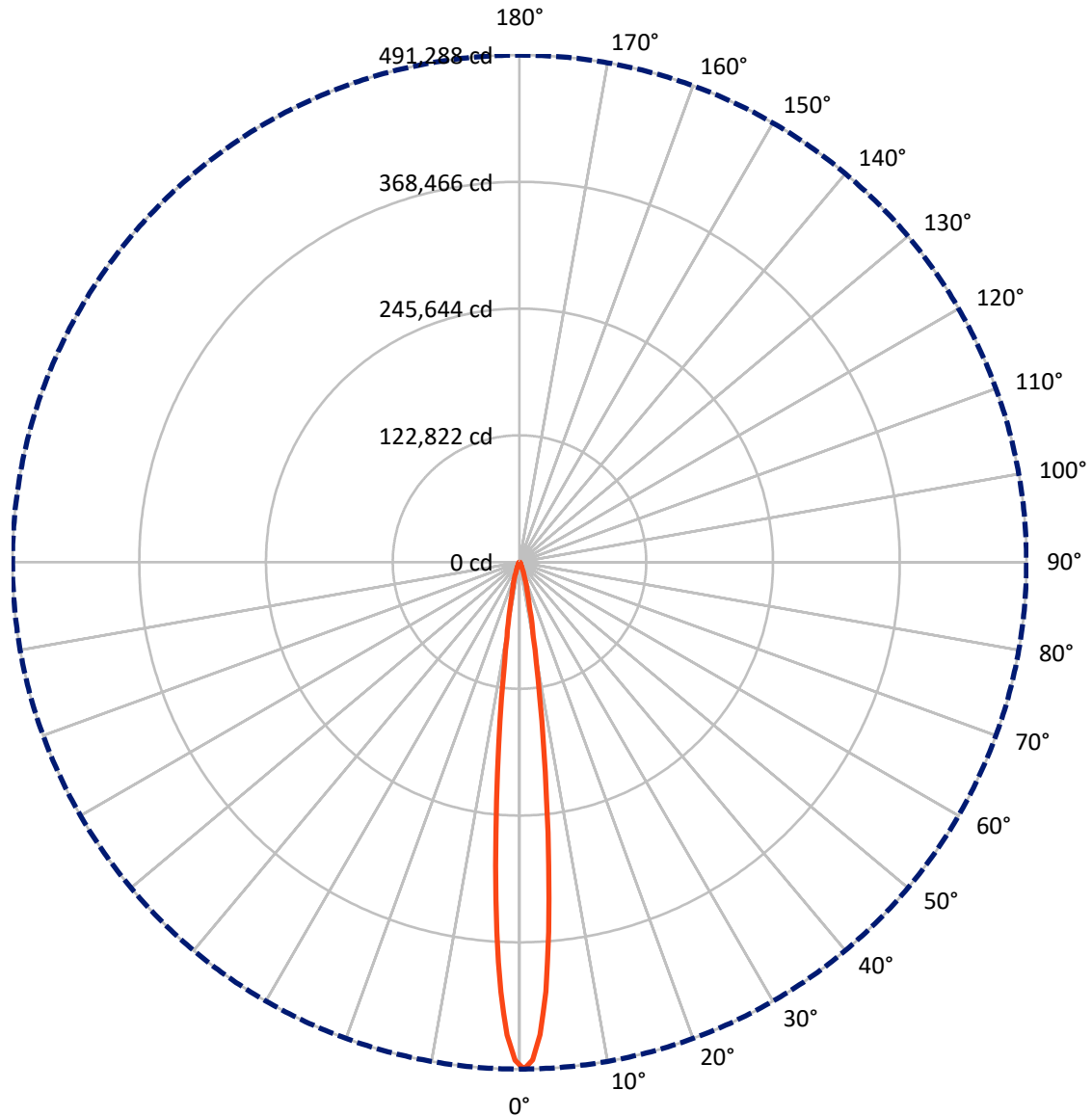
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 545.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P525927  
CATALOG NUMBER: IFLD-L-SA7D-935-U-22

### Luminous Intensity Polar Plot



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

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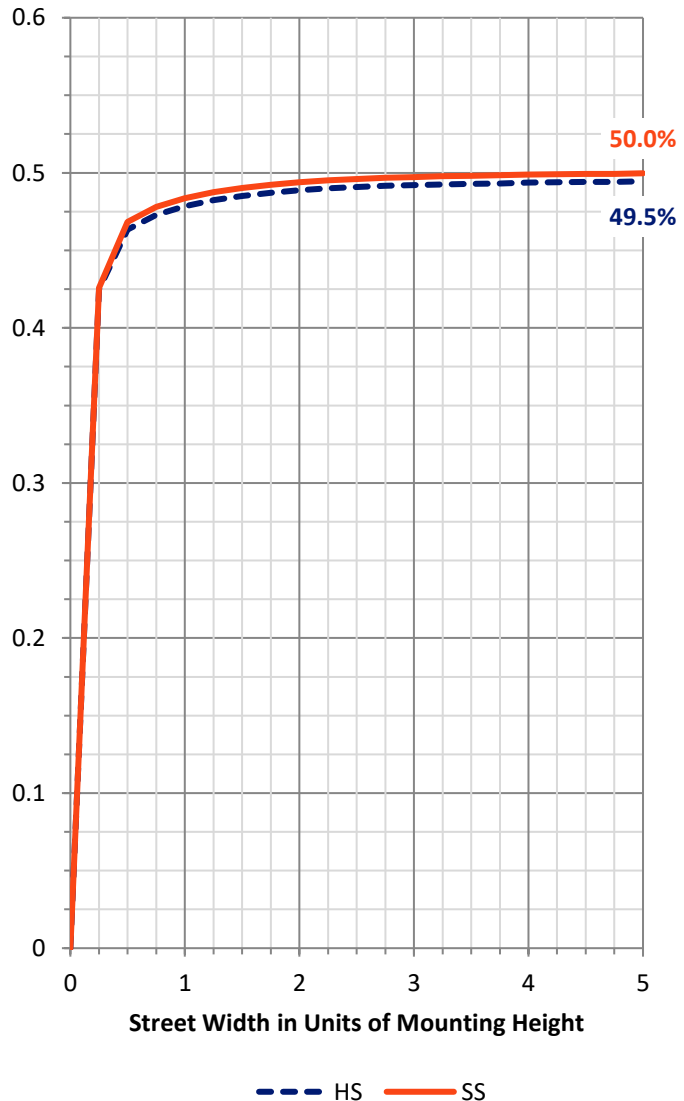
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16546.1	0.0	16546.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16546.1	0.0	16546.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33092.3	0.0	33092.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20304.7	61.4
10°-20°	8079.5	24.4
20°-30°	1862.9	5.6
30°-40°	707.3	2.1
40°-50°	577.2	1.7
50°-60°	554.3	1.7
60°-70°	531.1	1.6
70°-80°	351.6	1.1
80°-90°	123.5	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°	33092.3	100.0
0°-180°	33092.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P525927

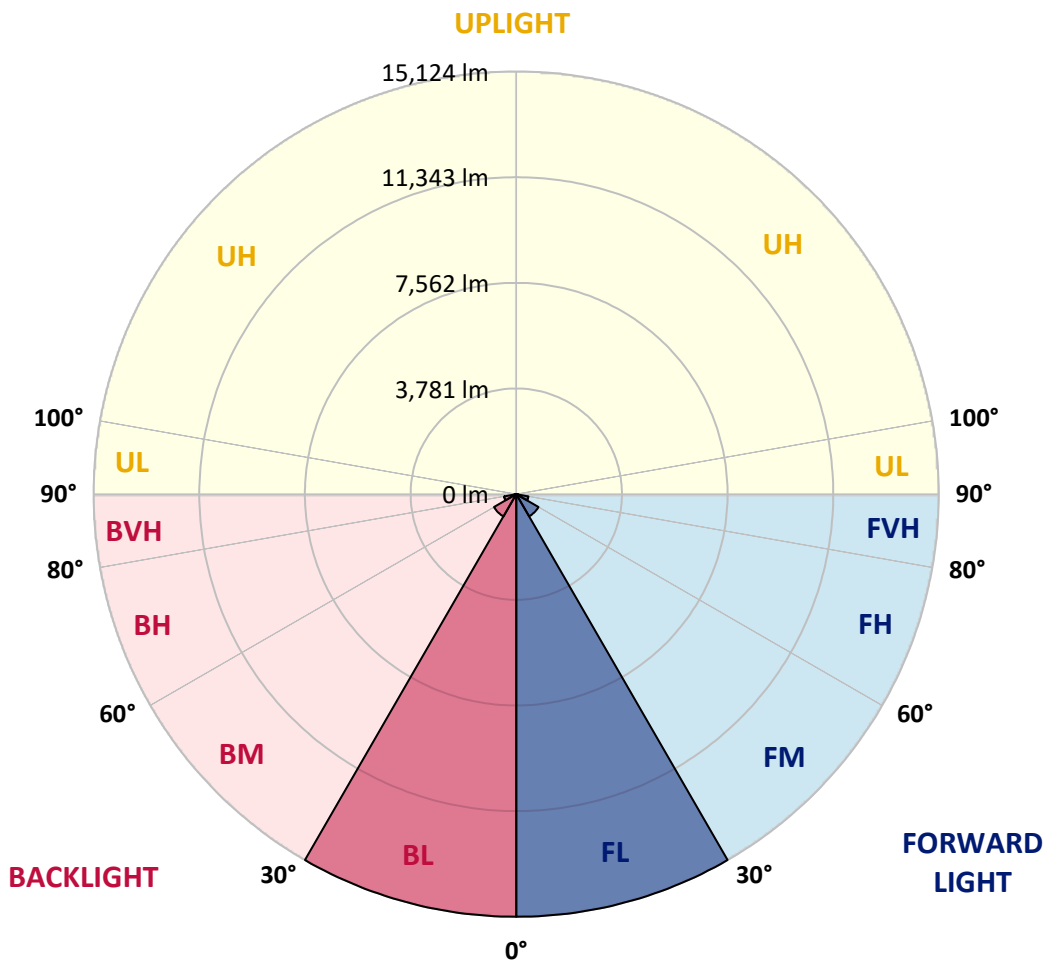
CATALOG NUMBER: IFLD-L-SA7D-935-U-22

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15123.6	45.7			
FM (30°-60°)	919.4	2.8			
FH (60°-80°)	441.4	1.3			G0/660
FVH (80°-90°)	61.8	0.2			G1/100
BL (0°-30°)	15123.6	45.7	B5		
BM (30°-60°)	919.4	2.8	B1/1000		
BH (60°-80°)	441.4	1.3	B1/500		G0/660
BVH (80°-90°)	61.8	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°	491287.9
1°	482645.4
2°	458436.6
3°	416855.5
4°	359683.8
5°	295219.4
6°	232095.1
7°	177797.8
8°	132701.4
9°	98937.3
10°	73781.8
12.5°	40212.0
15°	25801.3
17.5°	17411.3
20°	10351.6
22.5°	5758.4
25°	3291.9
27.5°	2087.8
30°	1505.2
32.5°	1228.4
35°	1092.5
37.5°	1014.8
40°	912.8
42.5°	810.8
45°	723.4
47.5°	679.7
50°	650.6
52.5°	631.2
55°	616.6
57.5°	606.9
60°	587.5
62.5°	572.9
65°	543.8
67.5°	505.0
70°	456.4
72.5°	393.3
75°	330.2
77.5°	271.9
80°	218.5
82.5°	169.9
85°	126.2
87.5°	48.6
90°	0.0

(END OF REPORT)