

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: P525917

Luminaire Tested: **IFLD-S-SA6D-935-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525917  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-935-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (96) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

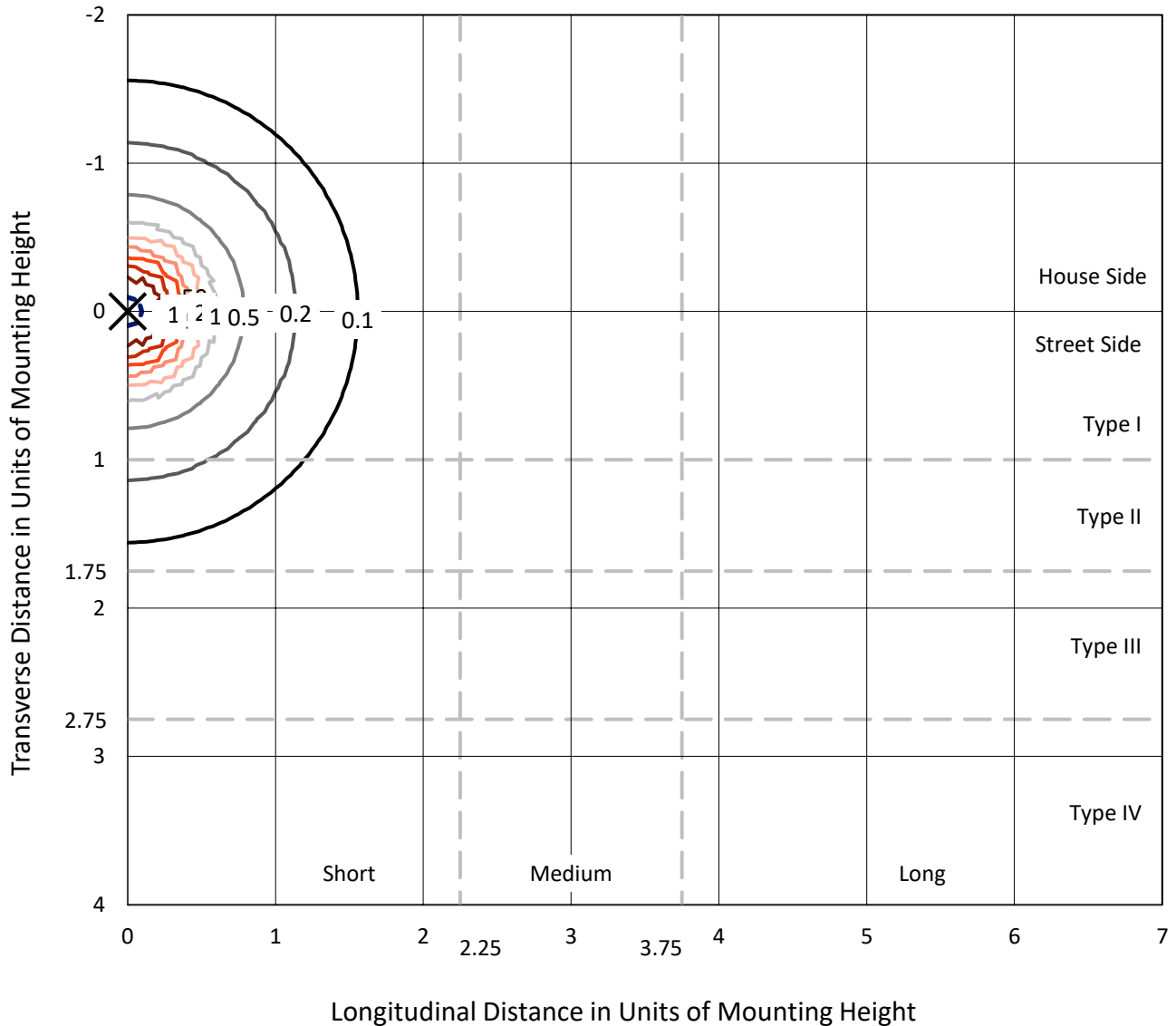
Lumens per Lamp: N/A  
Luminaire Lumens: 31018.2 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 368.2  
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

REPORT NUMBER: P525917  
 CATALOG NUMBER: IFLD-S-SA6D-935-U-22

### Iso-Footcandle Lines of Horizontal Illumination

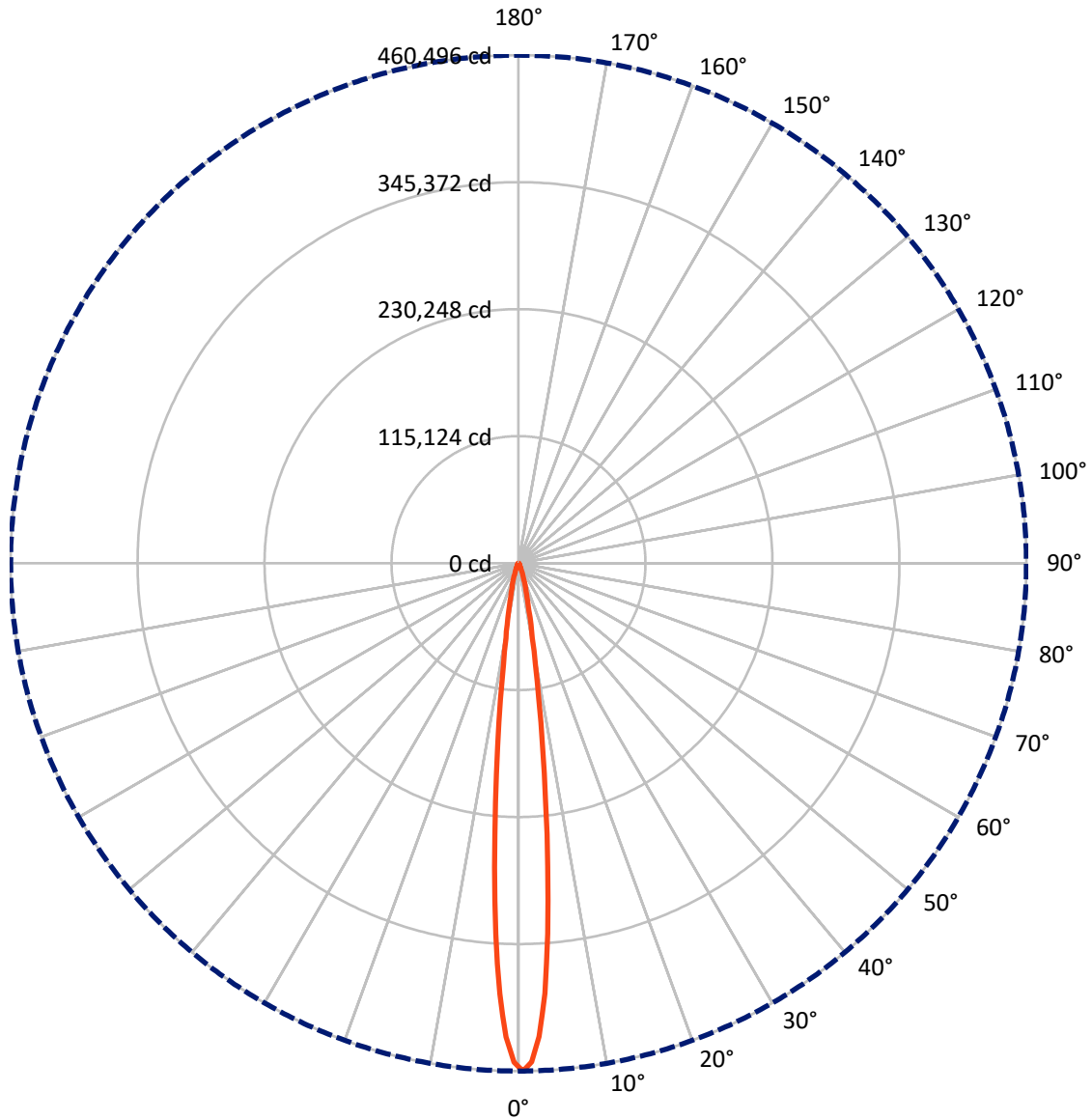
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 511.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P525917  
CATALOG NUMBER: IFLD-S-SA6D-935-U-22

### Luminous Intensity Polar Plot



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

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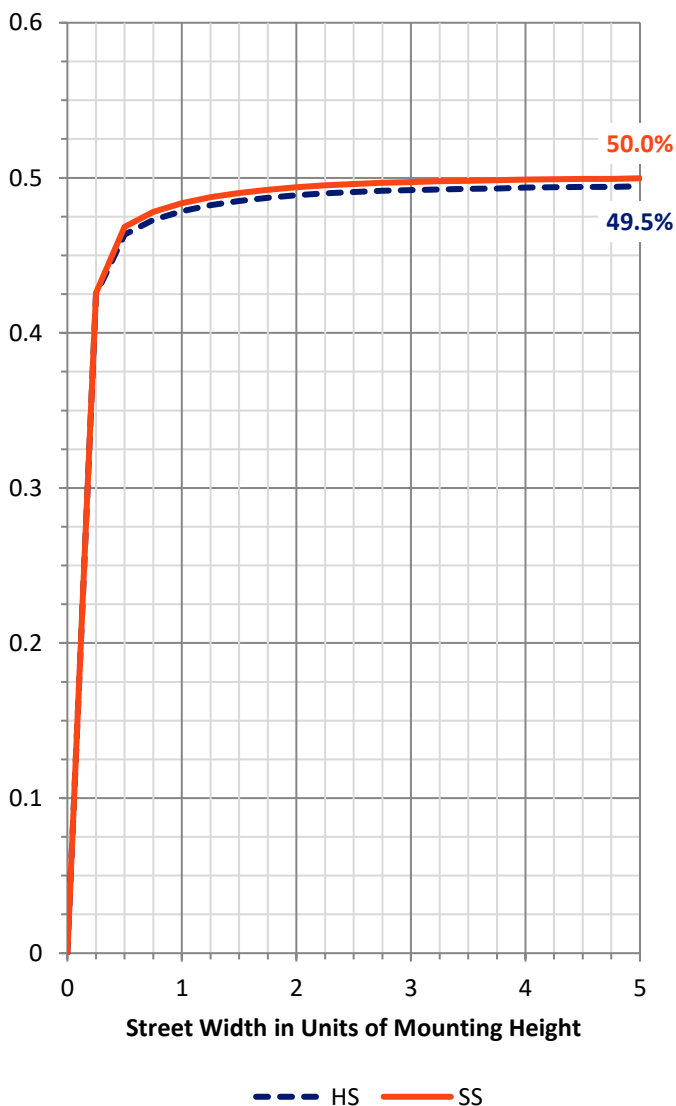
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15509.1	0.0	15509.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15509.1	0.0	15509.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31018.2	0.0	31018.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19032.1	61.4
10°-20°	7573.1	24.4
20°-30°	1746.2	5.6
30°-40°	662.9	2.1
40°-50°	541.0	1.7
50°-60°	519.6	1.7
60°-70°	497.8	1.6
70°-80°	329.5	1.1
80°-90°	115.8	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°	31018.2	100.0
0°-180°	31018.2	100.0

**Coefficient of Utilization**



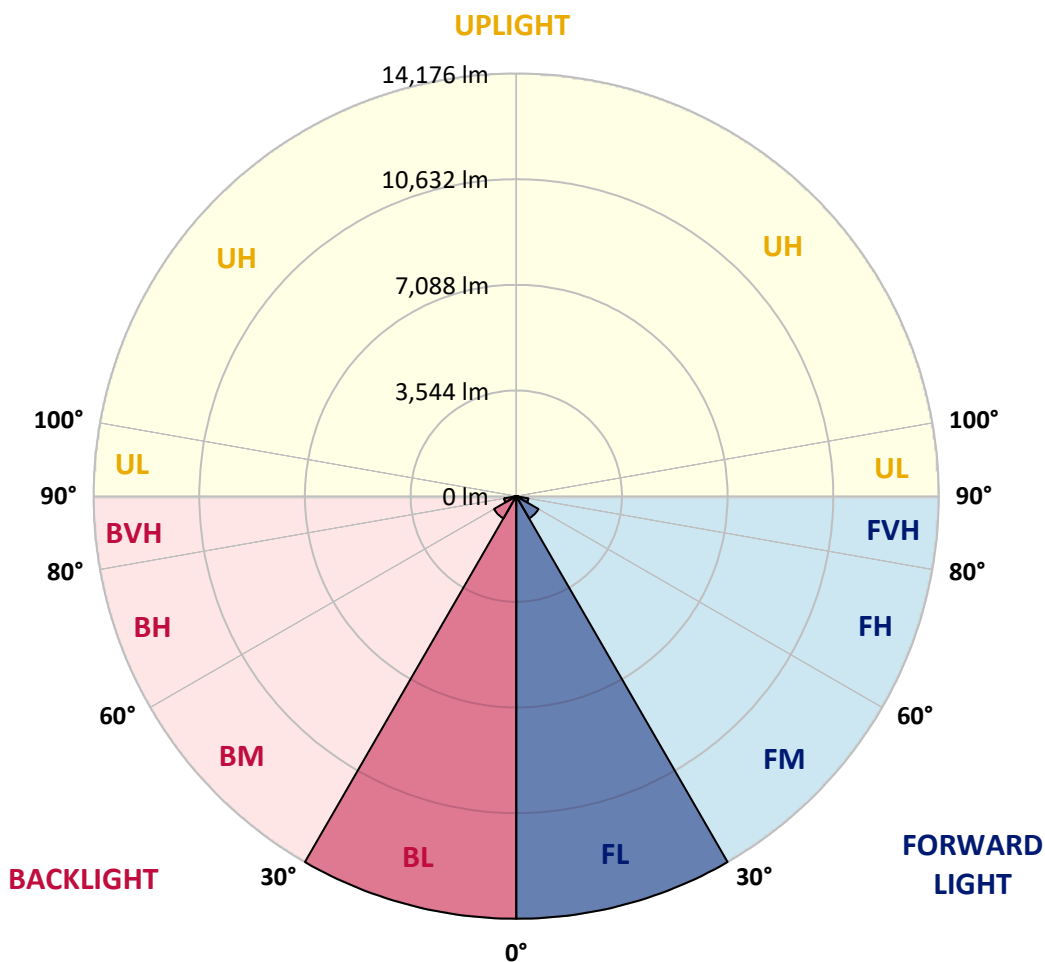
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 CATALOG NUMBER: IFLD-S-SA6D-935-U-22

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14175.7	45.7			
FM (30°-60°)	861.8	2.8			
FH (60°-80°)	413.7	1.3			G0/660
FVH (80°-90°)	57.9	0.2			G1/100
BL (0°-30°)	14175.7	45.7	B5		
BM (30°-60°)	861.8	2.8	B1/1000		
BH (60°-80°)	413.7	1.3	B1/500		G0/660
BVH (80°-90°)	57.9	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°	460496.4
1°	452395.5
2°	429704.1
3°	390729.0
4°	337140.6
5°	276716.5
6°	217548.5
7°	166654.3
8°	124384.3
9°	92736.4
10°	69157.5
12.5°	37691.7
15°	24184.2
17.5°	16320.0
20°	9702.8
22.5°	5397.5
25°	3085.6
27.5°	1956.9
30°	1410.8
32.5°	1151.4
35°	1024.0
37.5°	951.2
40°	855.6
42.5°	760.0
45°	678.1
47.5°	637.1
50°	609.8
52.5°	591.6
55°	578.0
57.5°	568.9
60°	550.7
62.5°	537.0
65°	509.7
67.5°	473.3
70°	427.8
72.5°	368.6
75°	309.5
77.5°	254.9
80°	204.8
82.5°	159.3
85°	118.3
87.5°	45.5
90°	0.0

(END OF REPORT)