

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: P525732

Luminaire Tested: **IFLD-L-SA7D-935-U-33**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525732  
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-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33  
distribution lens  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

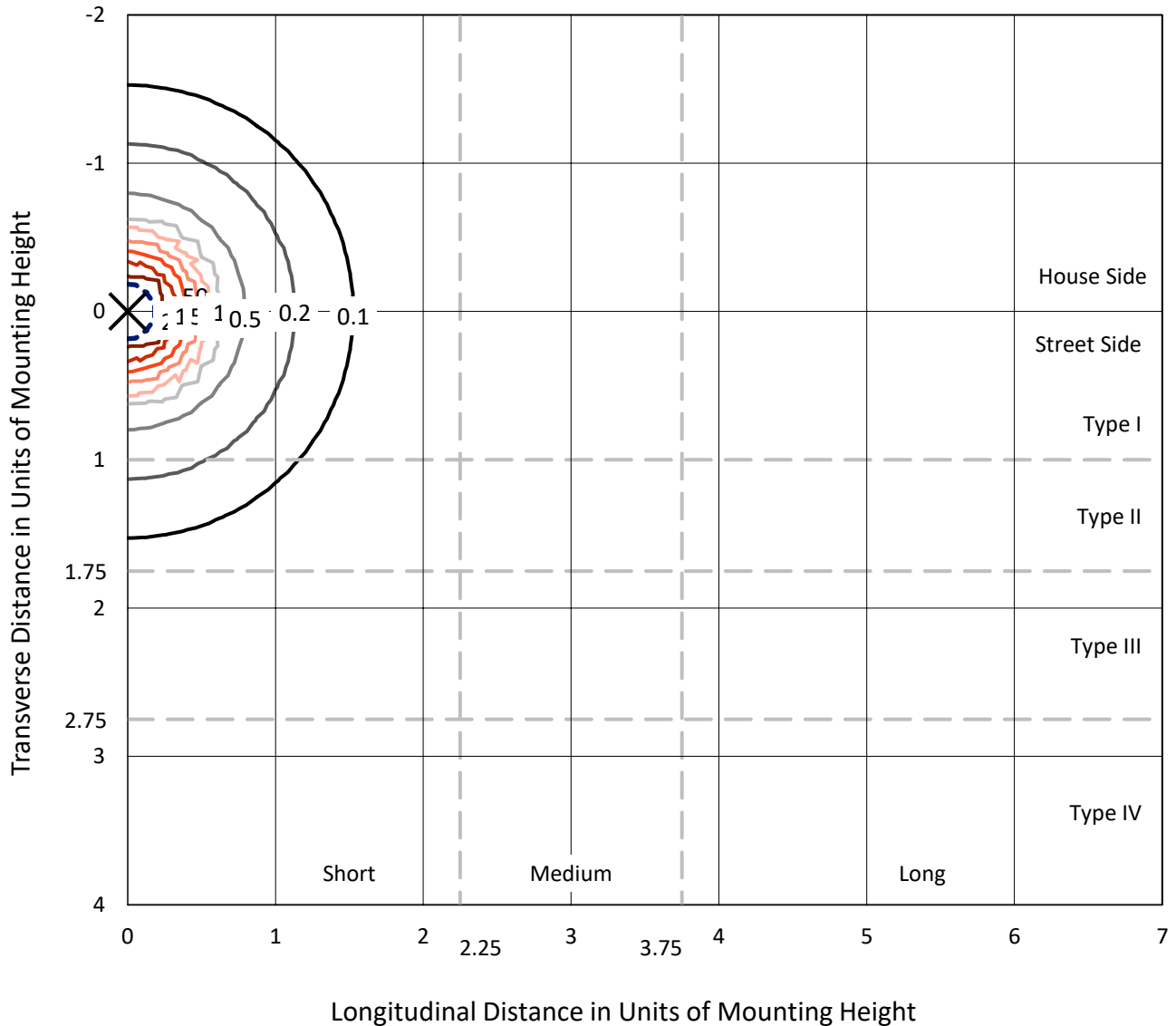
Lumens per Lamp: N/A  
Luminaire Lumens: 32969.8 lumens  
Efficiency: N/A  
Efficacy: 78.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

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

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### Iso-Footcandle Lines of Horizontal Illumination

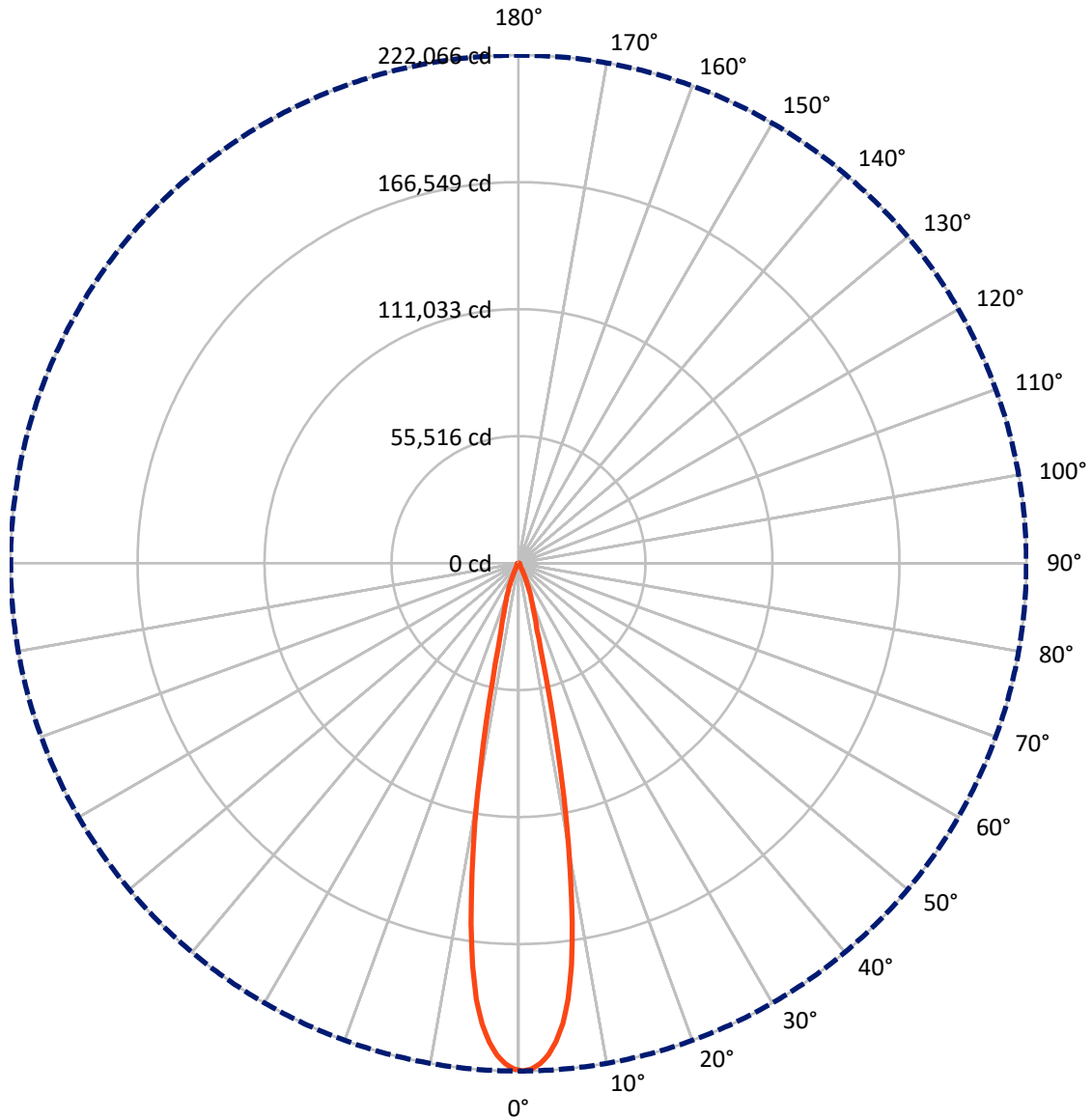
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 246.7 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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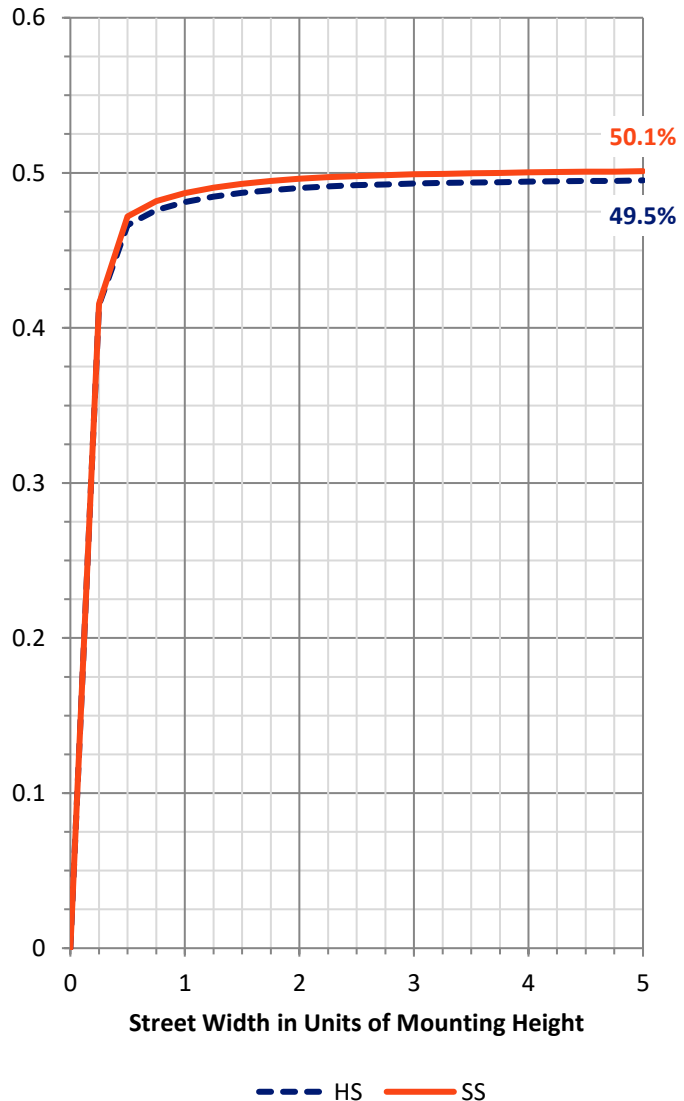
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16484.9	0.0	16484.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16484.9	0.0	16484.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32969.8	0.0	32969.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16533.9	50.1
10°-20°	10875.6	33.0
20°-30°	2925.3	8.9
30°-40°	726.9	2.2
40°-50°	542.4	1.6
50°-60°	498.8	1.5
60°-70°	457.5	1.4
70°-80°	295.9	0.9
80°-90°	113.6	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°	32969.8	100.0
0°-180°	32969.8	100.0

**Coefficient of Utilization**



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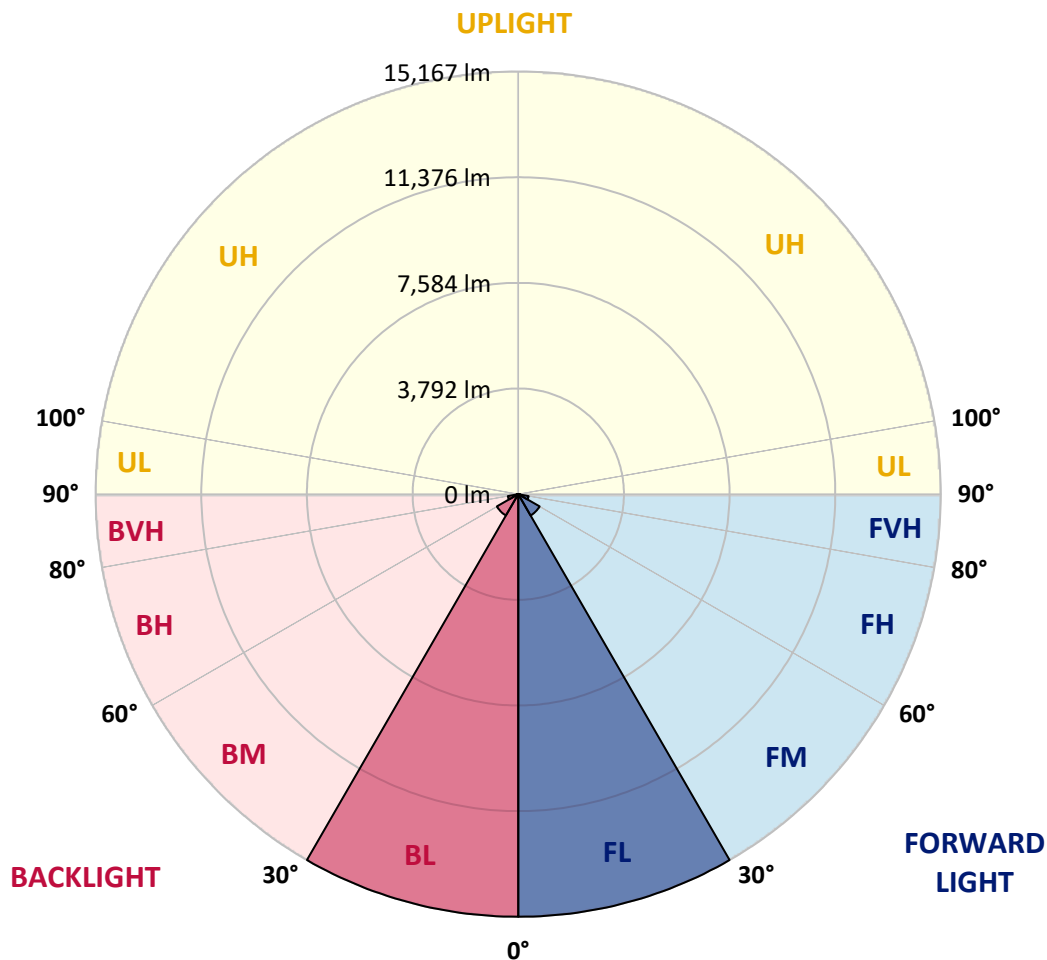
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15167.4	46.0			
FM (30°-60°)	884.0	2.7			
FH (60°-80°)	376.7	1.1			G0/660
FVH (80°-90°)	56.8	0.2			G1/100
BL (0°-30°)	15167.4	46.0	B5		
BM (30°-60°)	884.0	2.7	B1/1000		
BH (60°-80°)	376.7	1.1	B1/500		G0/660
BVH (80°-90°)	56.8	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°	222065.9
1°	221196.9
2°	219007.3
3°	215278.7
4°	209846.0
5°	202281.9
6°	191722.4
7°	177269.2
8°	158941.7
9°	137327.4
10°	115407.3
11°	91860.7
12°	70003.7
13°	51729.6
14°	38713.5
15°	30319.2
17.5°	20322.9
20°	14691.1
22.5°	9685.6
25°	5685.2
27.5°	3189.7
30°	1781.8
32.5°	1301.1
35°	1102.1
37.5°	971.0
40°	854.5
42.5°	767.1
45°	689.4
47.5°	636.0
50°	592.3
52.5°	568.0
55°	553.5
57.5°	543.8
60°	529.2
62.5°	500.1
65°	466.1
67.5°	427.2
70°	378.7
72.5°	325.3
75°	276.7
77.5°	233.0
80°	194.2
82.5°	155.4
85°	116.5
87.5°	48.5



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)