

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: P525819

Luminaire Tested: **IFLD-S-SA2D-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525819  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-927-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (32) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

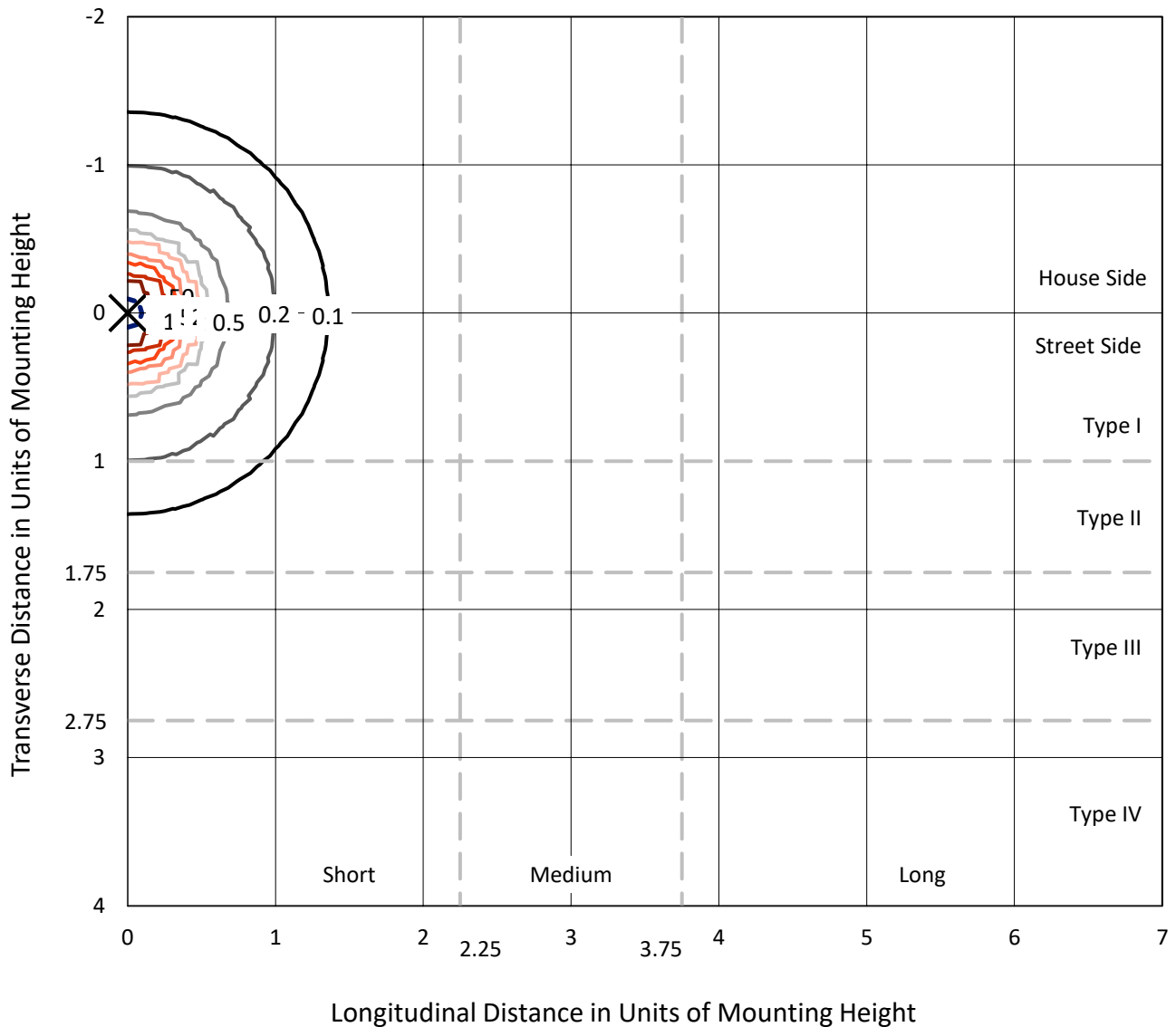
Lumens per Lamp: N/A  
Luminaire Lumens: 10115.8 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

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

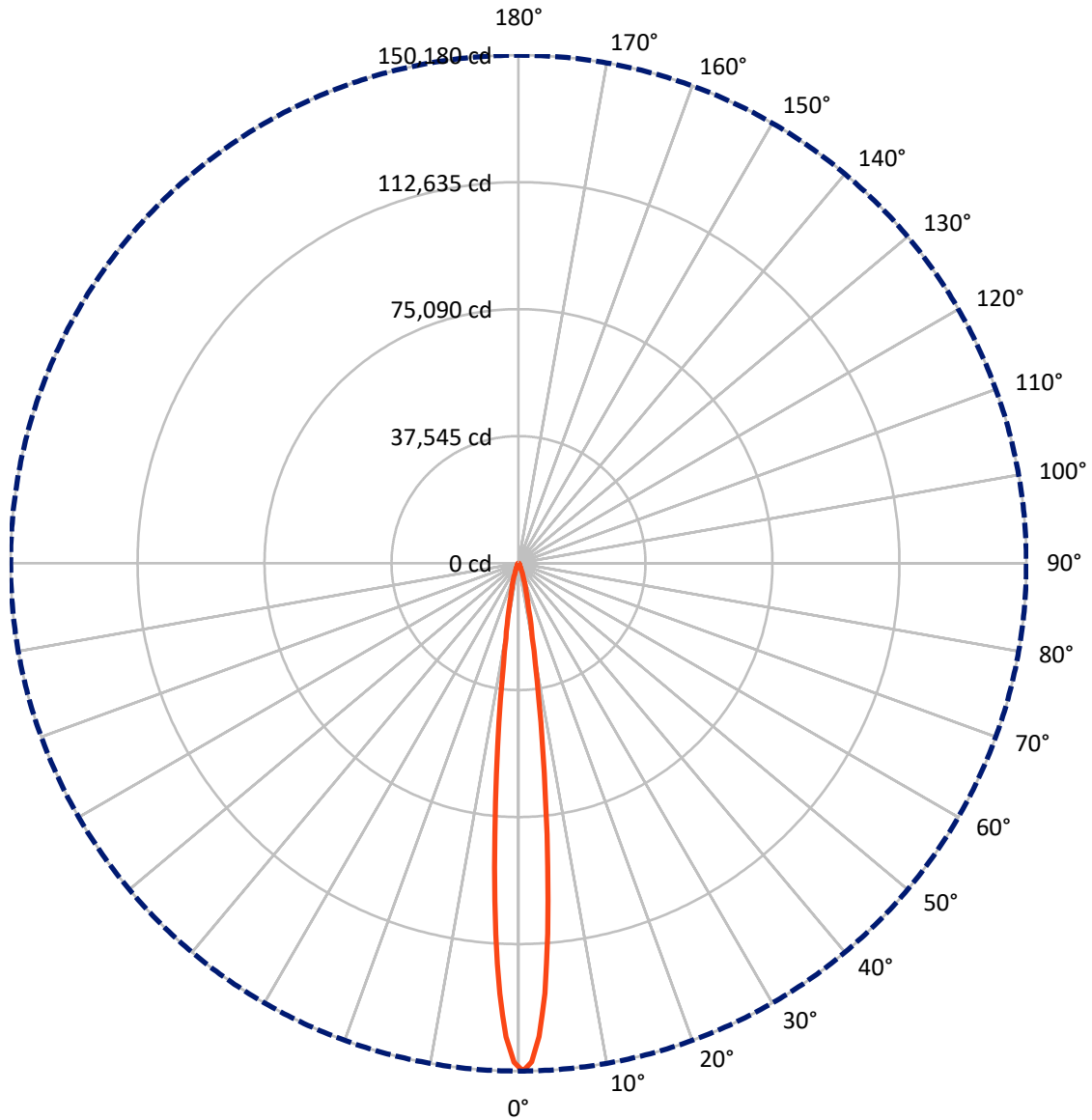
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 375.4 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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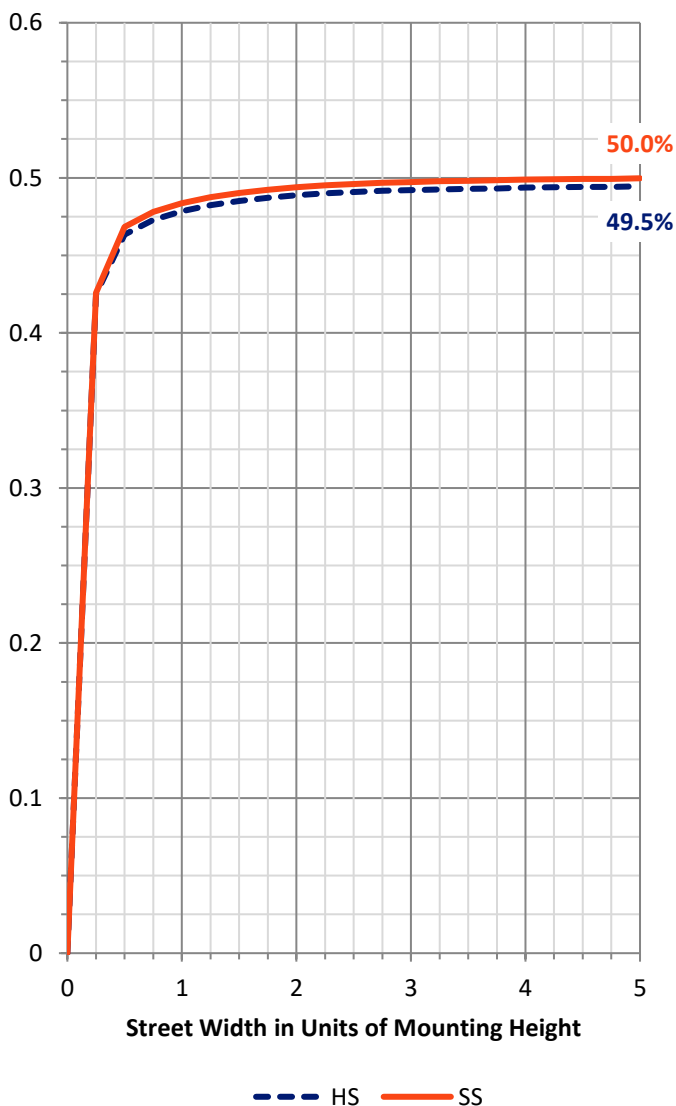
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5057.9	0.0	5057.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5057.9	0.0	5057.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10115.8	0.0	10115.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6206.9	61.4
10°-20°	2469.8	24.4
20°-30°	569.5	5.6
30°-40°	216.2	2.1
40°-50°	176.4	1.7
50°-60°	169.4	1.7
60°-70°	162.3	1.6
70°-80°	107.5	1.1
80°-90°	37.7	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°	10115.8	100.0
0°-180°	10115.8	100.0

**Coefficient of Utilization**



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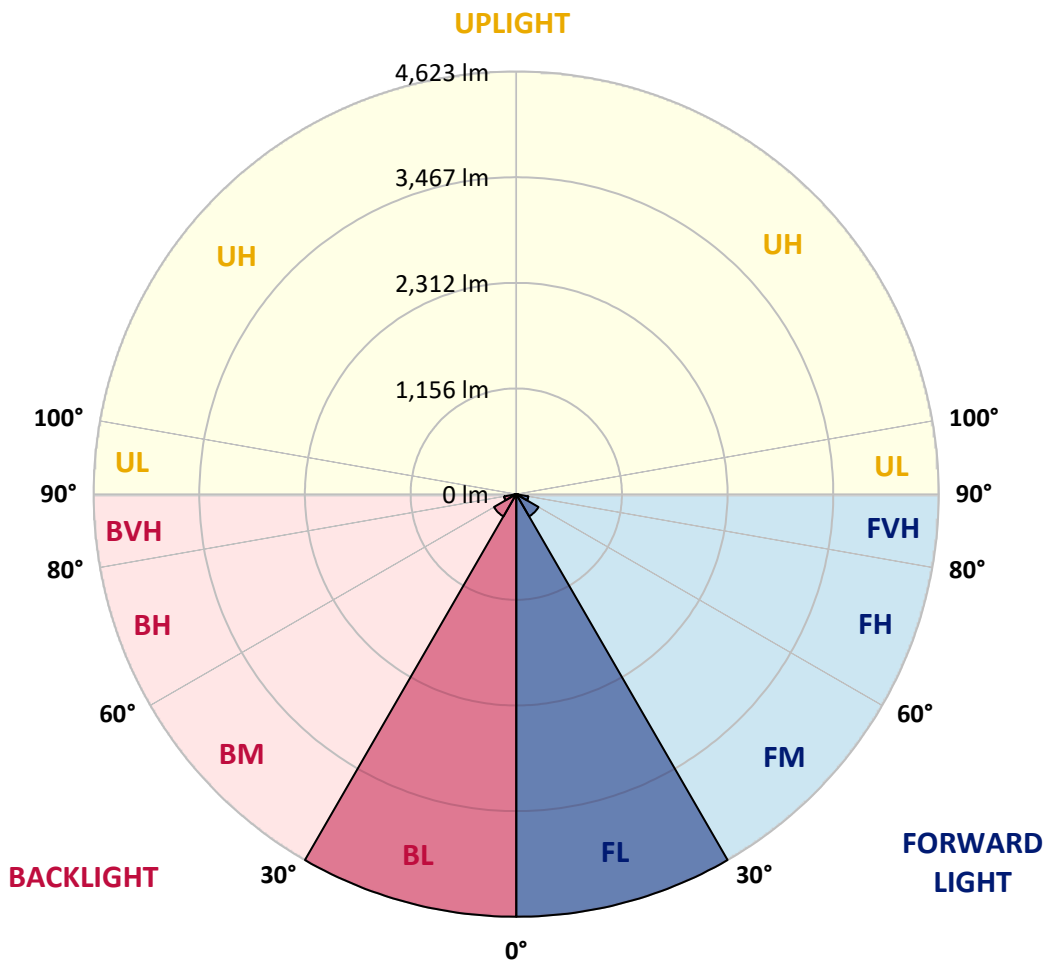
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4623.1	45.7			
FM (30°-60°)	281.0	2.8			
FH (60°-80°)	134.9	1.3			G0/660
FVH (80°-90°)	18.9	0.2			G1/100
BL (0°-30°)	4623.1	45.7	B4/5000		
BM (30°-60°)	281.0	2.8	B1/1000		
BH (60°-80°)	134.9	1.3	B1/500		G0/660
BVH (80°-90°)	18.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	150179.8
1°	147537.9
2°	140137.6
3°	127426.8
4°	109950.3
5°	90244.4
6°	70948.2
7°	54350.3
8°	40564.9
9°	30243.7
10°	22554.1
12.5°	12292.2
15°	7887.1
17.5°	5322.4
20°	3164.3
22.5°	1760.3
25°	1006.3
27.5°	638.2
30°	460.1
32.5°	375.5
35°	333.9
37.5°	310.2
40°	279.0
42.5°	247.9
45°	221.1
47.5°	207.8
50°	198.9
52.5°	192.9
55°	188.5
57.5°	185.5
60°	179.6
62.5°	175.1
65°	166.2
67.5°	154.4
70°	139.5
72.5°	120.2
75°	100.9
77.5°	83.1
80°	66.8
82.5°	51.9
85°	38.6
87.5°	14.8
90°	0.0

(END OF REPORT)