

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: P525820

Luminaire Tested: **IFLD-S-SA2E-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525820  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2E-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**

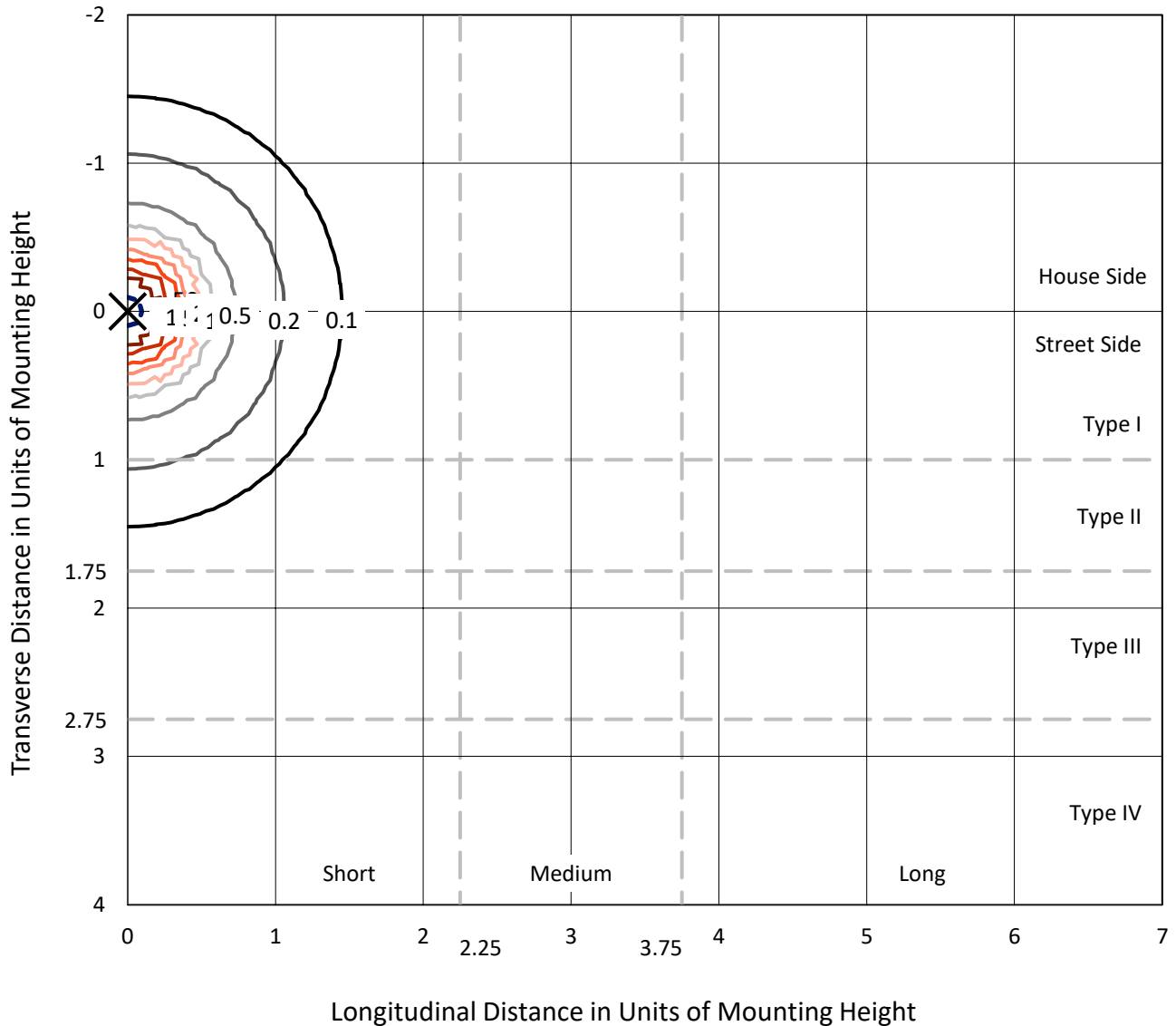
Lumens per Lamp: N/A  
Luminaire Lumens: 11706.9 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 156.2  
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

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### Iso-Footcandle Lines of Horizontal Illumination

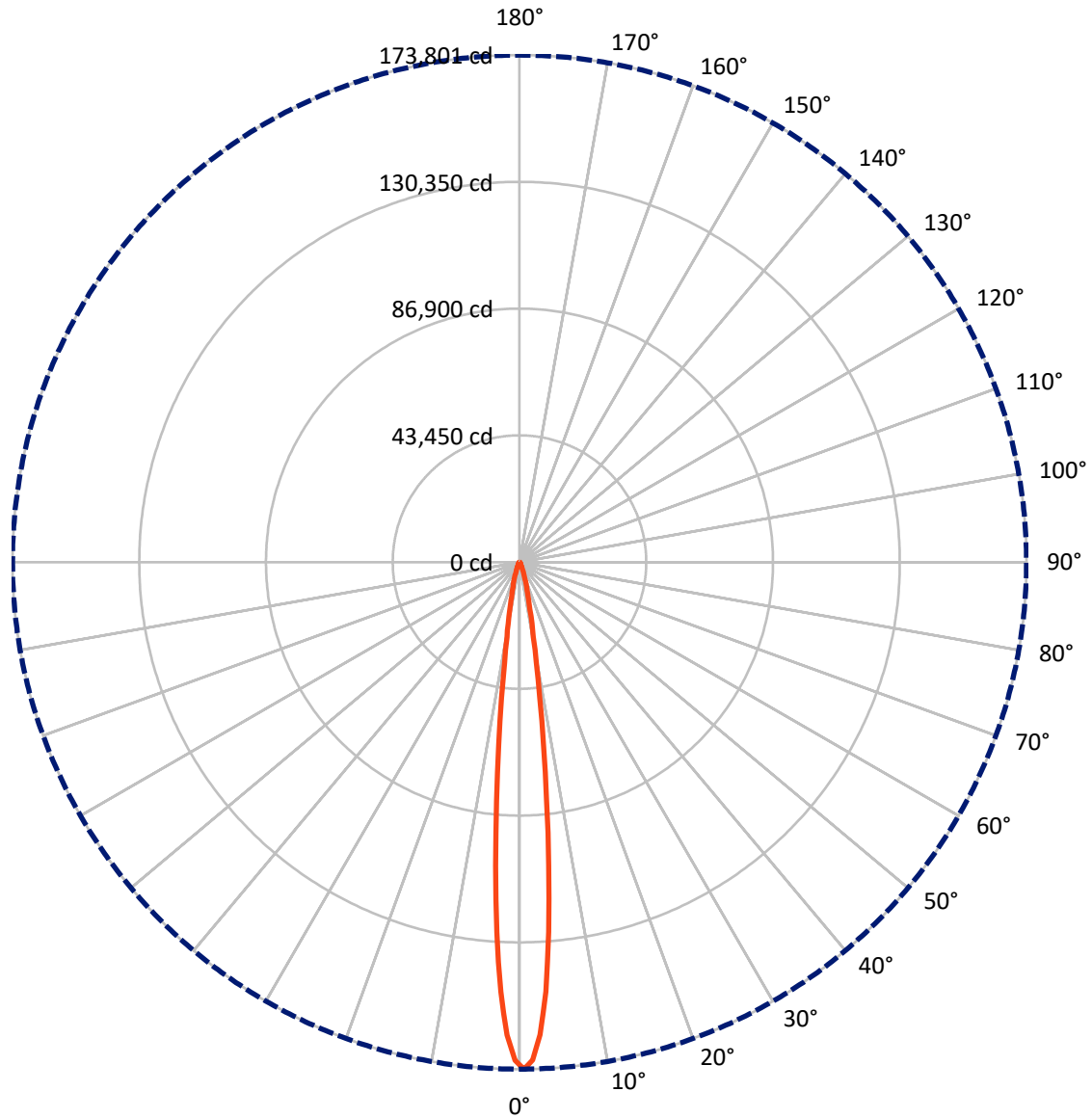
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 434.5 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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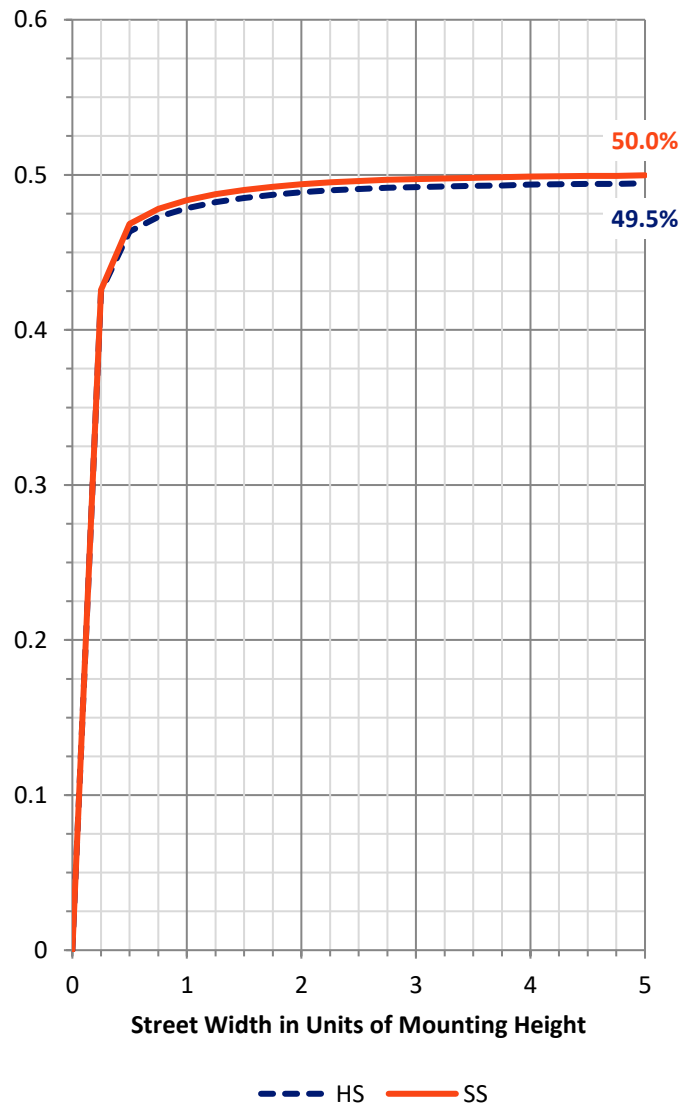
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5853.5	0.0	5853.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5853.5	0.0	5853.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11706.9	0.0	11706.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7183.1	61.4
10°-20°	2858.2	24.4
20°-30°	659.0	5.6
30°-40°	250.2	2.1
40°-50°	204.2	1.7
50°-60°	196.1	1.7
60°-70°	187.9	1.6
70°-80°	124.4	1.1
80°-90°	43.7	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°	11706.9	100.0
0°-180°	11706.9	100.0

**Coefficient of Utilization**



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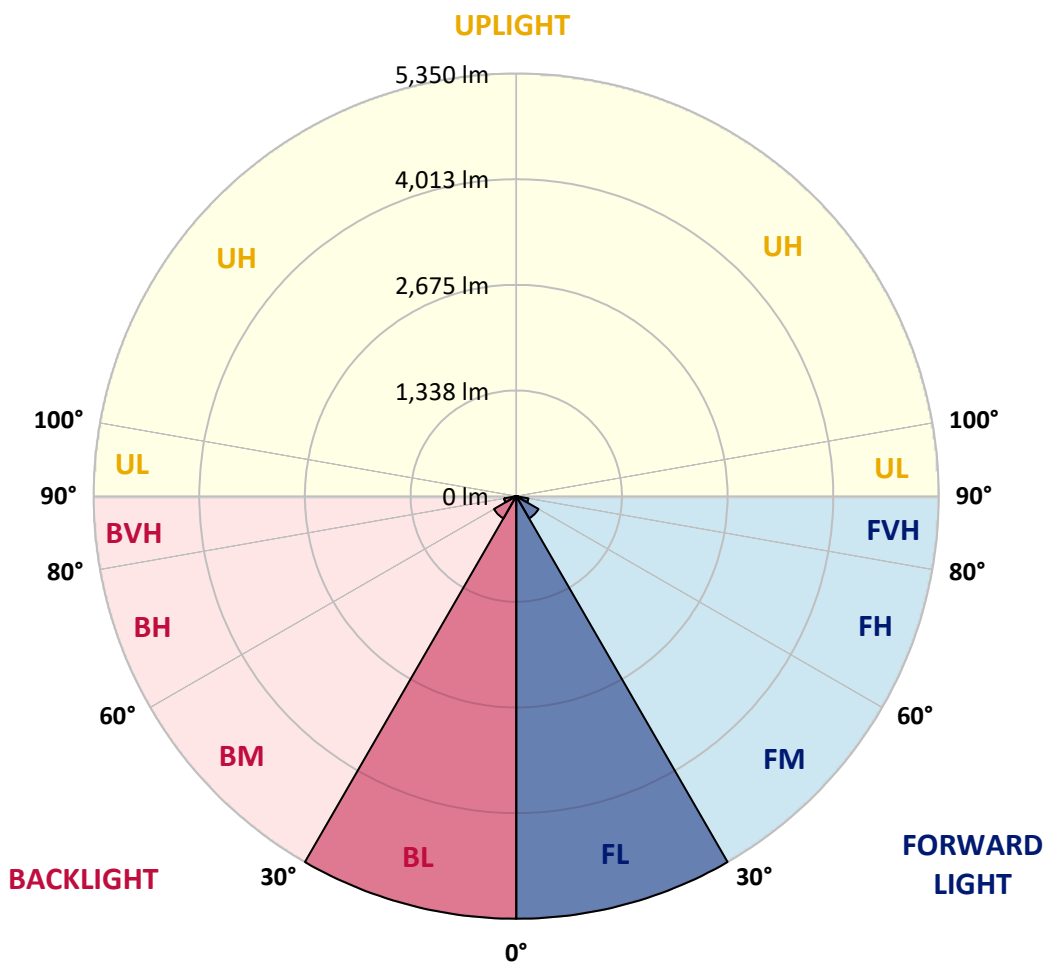
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5350.2	45.7			
FM (30°-60°)	325.3	2.8			
FH (60°-80°)	156.1	1.3			G0/660
FVH (80°-90°)	21.9	0.2			G1/100
BL (0°-30°)	5350.2	45.7	B5		
BM (30°-60°)	325.3	2.8	B1/1000		
BH (60°-80°)	156.1	1.3	B1/500		G0/660
BVH (80°-90°)	21.9	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°	173800.6
1°	170743.2
2°	162179.0
3°	147469.0
4°	127243.7
5°	104438.4
6°	82107.2
7°	62898.7
8°	46945.1
9°	35000.6
10°	26101.4
12.5°	14225.6
15°	9127.6
17.5°	6159.5
20°	3662.0
22.5°	2037.1
25°	1164.6
27.5°	738.6
30°	532.5
32.5°	434.6
35°	386.5
37.5°	359.0
40°	322.9
42.5°	286.8
45°	255.9
47.5°	240.5
50°	230.2
52.5°	223.3
55°	218.1
57.5°	214.7
60°	207.8
62.5°	202.7
65°	192.4
67.5°	178.6
70°	161.5
72.5°	139.1
75°	116.8
77.5°	96.2
80°	77.3
82.5°	60.1
85°	44.7
87.5°	17.2
90°	0.0

(END OF REPORT)