

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: P525847

Luminaire Tested: **IFLD-L-SA7B-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525847  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-927-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

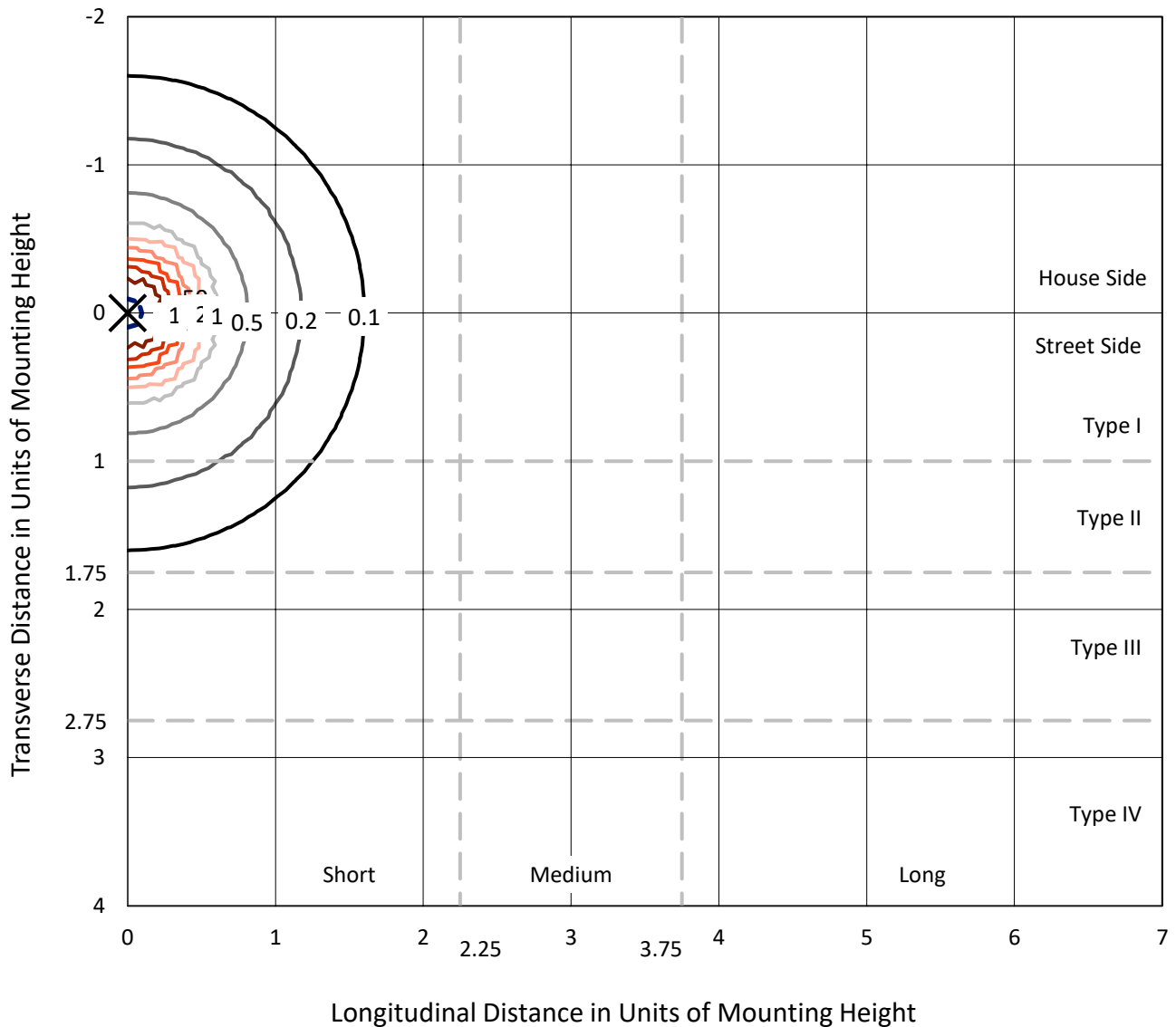
Lumens per Lamp: N/A  
Luminaire Lumens: 23034.4 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 281  
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: P525847  
 CATALOG NUMBER: IFLD-L-SA7B-927-U-22

### Iso-Footcandle Lines of Horizontal Illumination

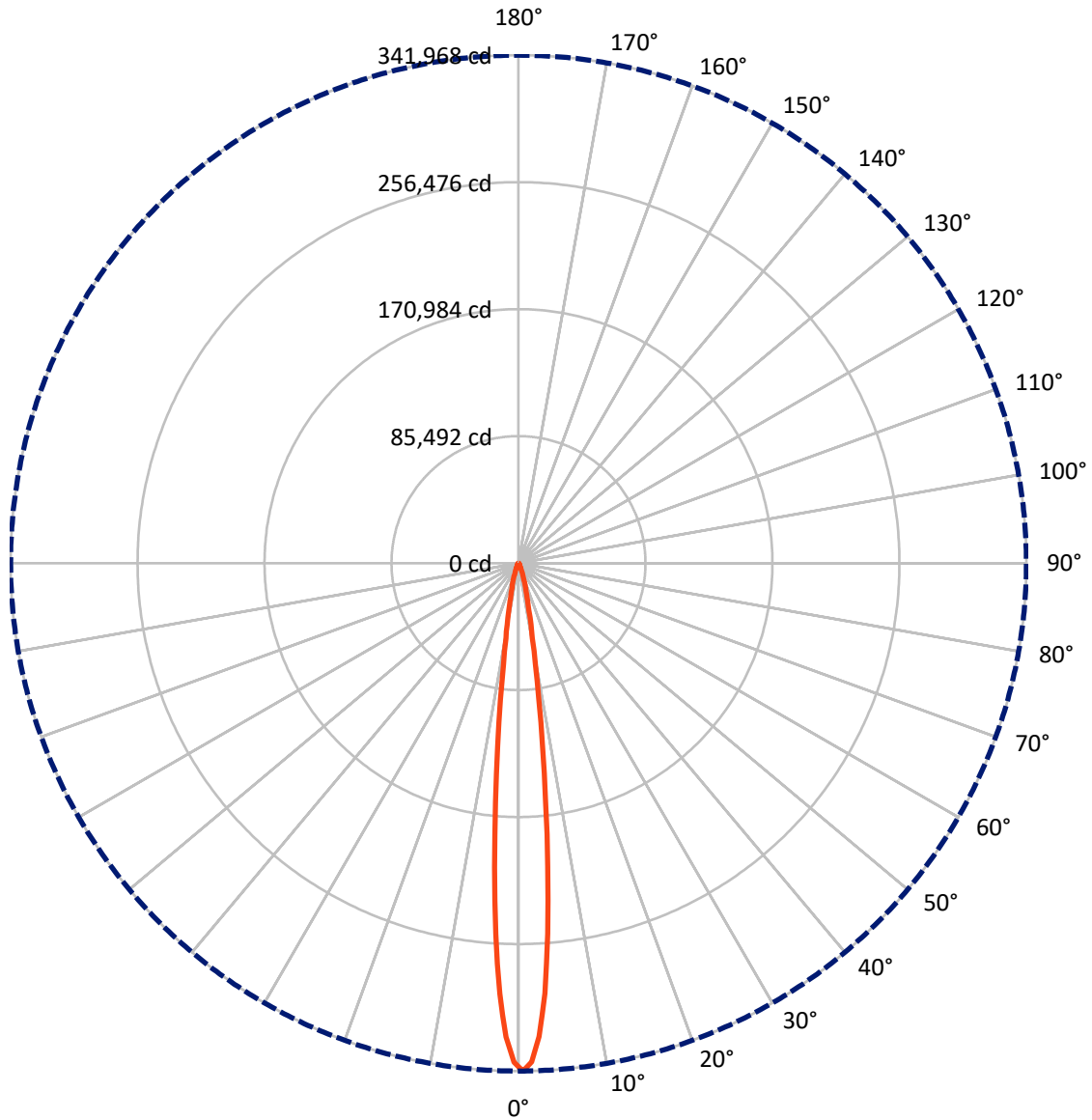
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 547.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P525847  
CATALOG NUMBER: IFLD-L-SA7B-927-U-22

### Luminous Intensity Polar Plot



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

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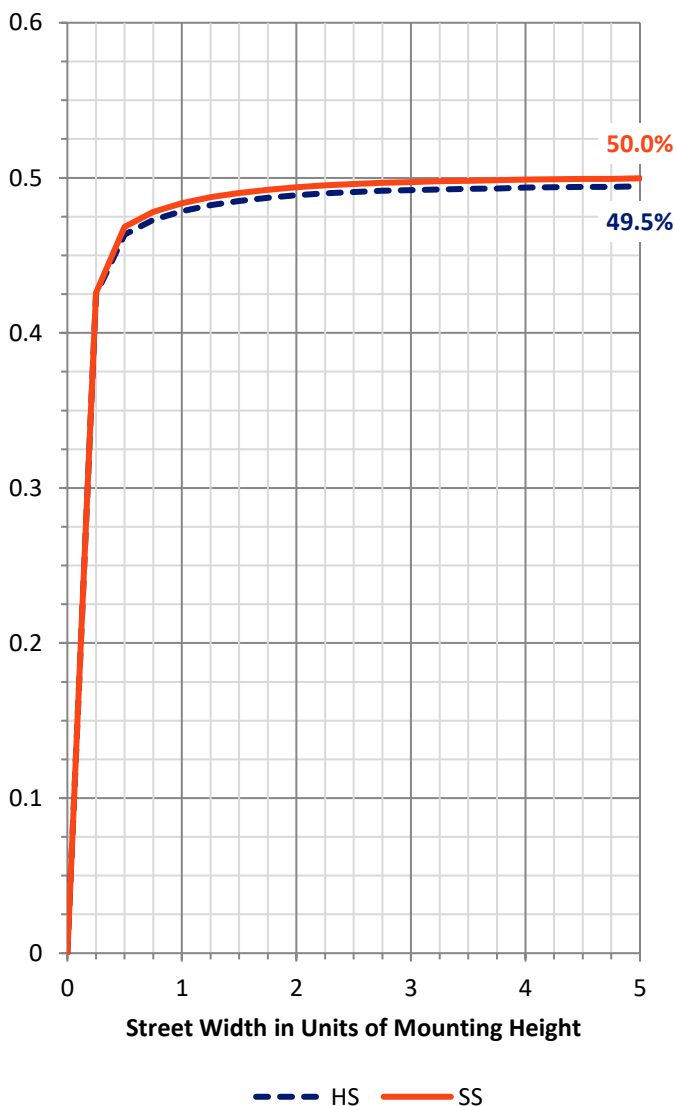
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11517.2	0.0	11517.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11517.2	0.0	11517.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23034.4	0.0	23034.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14133.4	61.4
10°-20°	5623.9	24.4
20°-30°	1296.7	5.6
30°-40°	492.3	2.1
40°-50°	401.8	1.7
50°-60°	385.9	1.7
60°-70°	369.7	1.6
70°-80°	244.7	1.1
80°-90°	86.0	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°	23034.4	100.0
0°-180°	23034.4	100.0



REPORT NUMBER: P525847

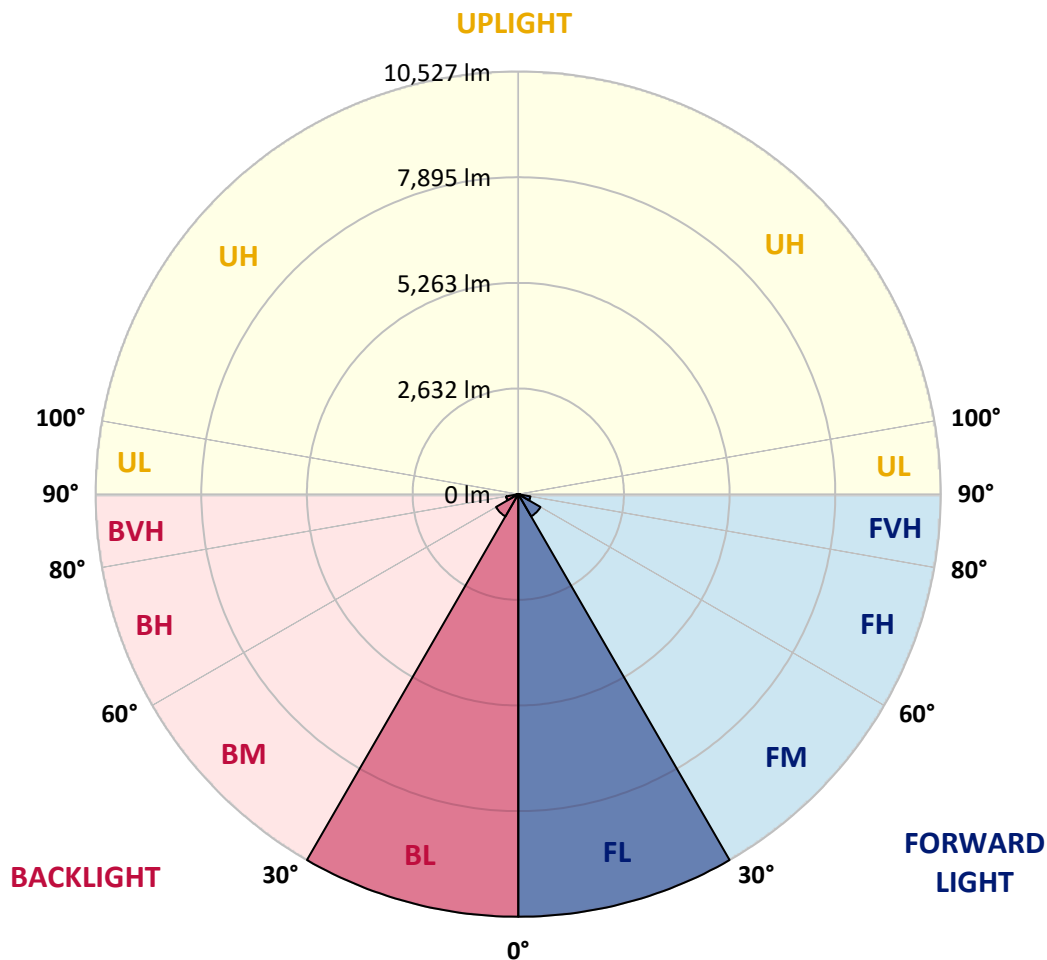
CATALOG NUMBER: IFLD-L-SA7B-927-U-22

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10527.0	45.7			
FM (30°-60°)	640.0	2.8			
FH (60°-80°)	307.2	1.3			G0/660
FVH (80°-90°)	43.0	0.2			G1/100
BL (0°-30°)	10527.0	45.7	B5		
BM (30°-60°)	640.0	2.8	B1/1000		
BH (60°-80°)	307.2	1.3	B1/500		G0/660
BVH (80°-90°)	43.0	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°	341967.9
1°	335952.1
2°	319101.3
3°	290158.1
4°	250363.0
5°	205491.6
6°	161553.1
7°	123758.7
8°	92368.7
9°	68866.7
10°	51356.9
12.5°	27990.1
15°	17959.4
17.5°	12119.4
20°	7205.4
22.5°	4008.2
25°	2291.4
27.5°	1453.2
30°	1047.7
32.5°	855.0
35°	760.4
37.5°	706.3
40°	635.4
42.5°	564.4
45°	503.6
47.5°	473.1
50°	452.9
52.5°	439.4
55°	429.2
57.5°	422.5
60°	408.9
62.5°	398.8
65°	378.5
67.5°	351.5
70°	317.7
72.5°	273.8
75°	229.8
77.5°	189.3
80°	152.1
82.5°	118.3
85°	87.9
87.5°	33.8
90°	0.0

(END OF REPORT)