

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: P525848

Luminaire Tested: **IFLD-L-SA7C-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525848  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-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**

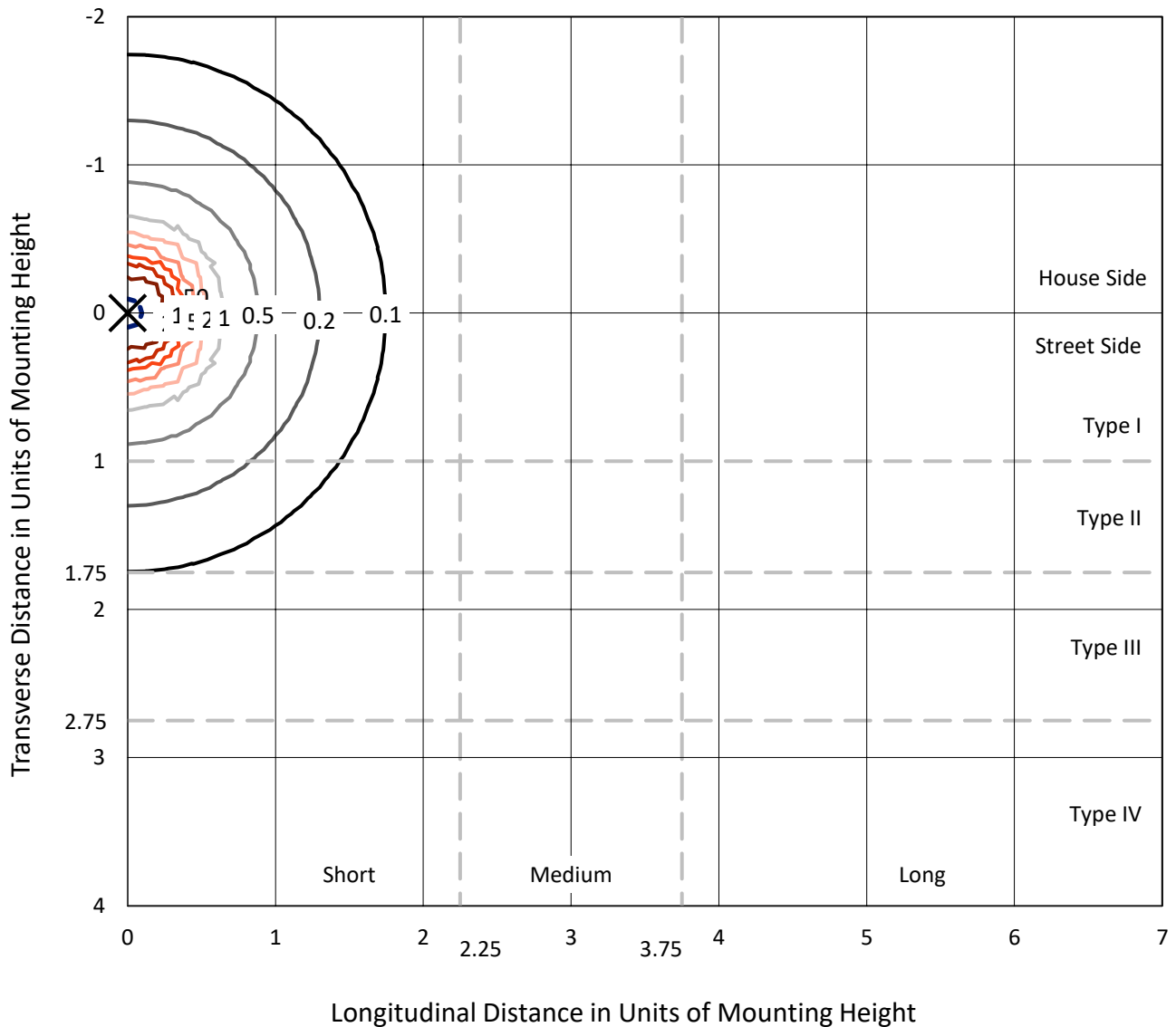
Lumens per Lamp: N/A  
Luminaire Lumens: 28673.8 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 369  
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: P525848  
 CATALOG NUMBER: IFLD-L-SA7C-927-U-22

### Iso-Footcandle Lines of Horizontal Illumination

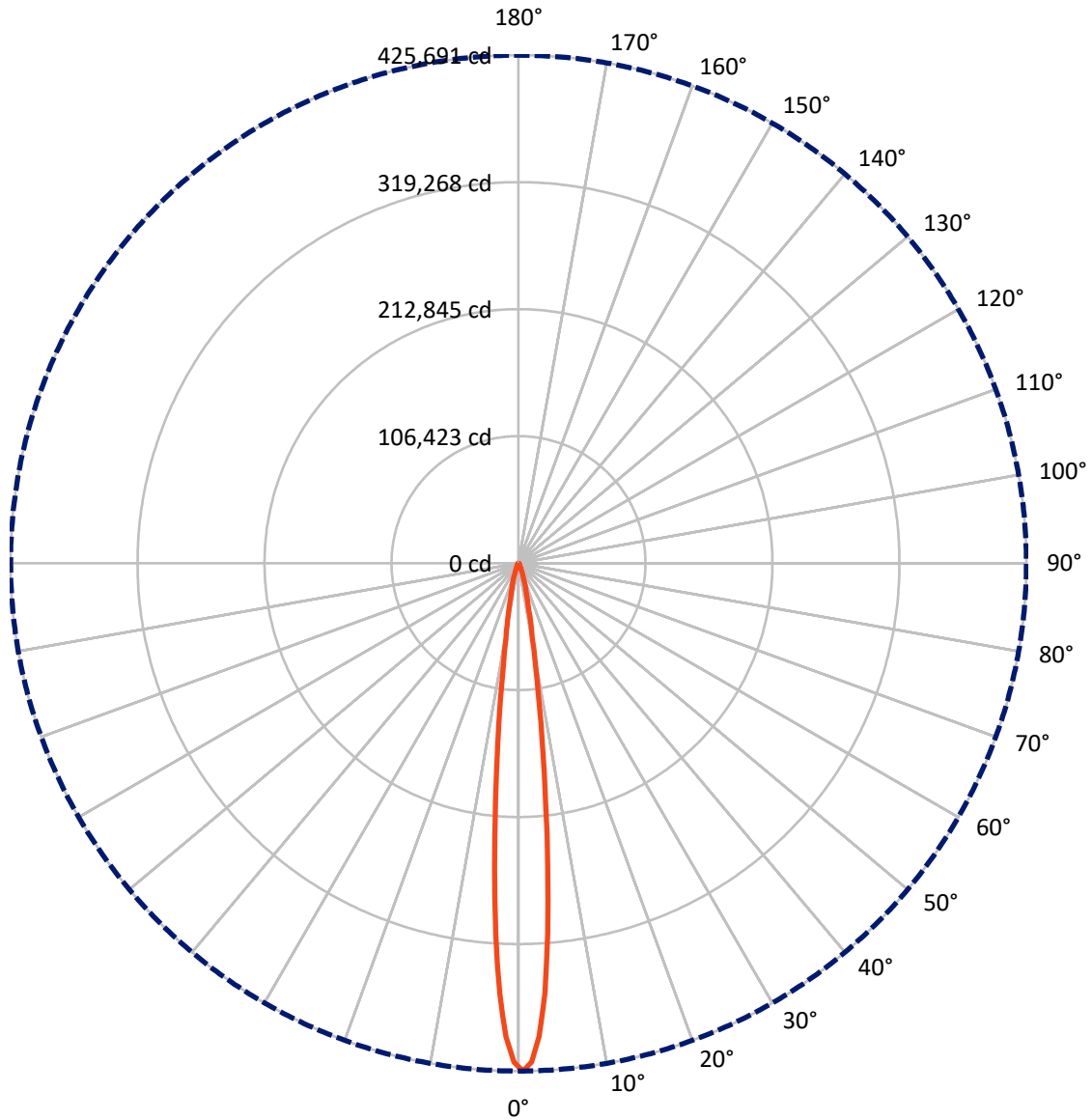
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 681.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P525848  
CATALOG NUMBER: IFLD-L-SA7C-927-U-22

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525848  
 CATALOG NUMBER: IFLD-L-SA7C-927-U-22

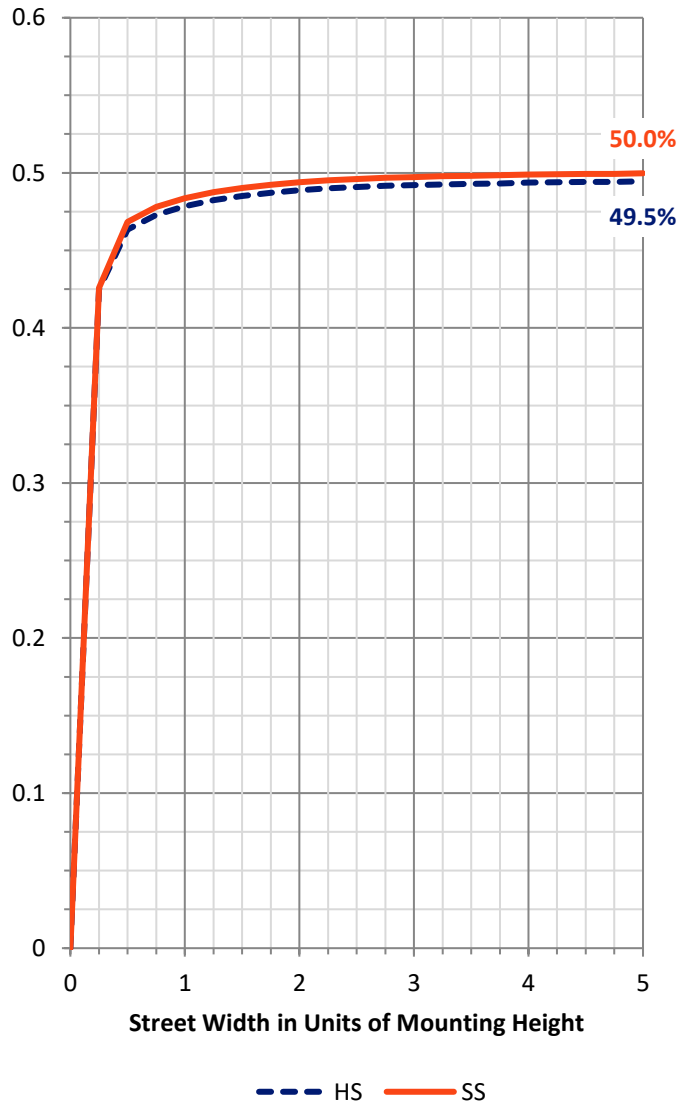
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14336.9	0.0	14336.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14336.9	0.0	14336.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28673.8	0.0	28673.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17593.6	61.4
10°-20°	7000.7	24.4
20°-30°	1614.2	5.6
30°-40°	612.8	2.1
40°-50°	500.2	1.7
50°-60°	480.3	1.7
60°-70°	460.2	1.6
70°-80°	304.6	1.1
80°-90°	107.0	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°	28673.8	100.0
0°-180°	28673.8	100.0

**Coefficient of Utilization**



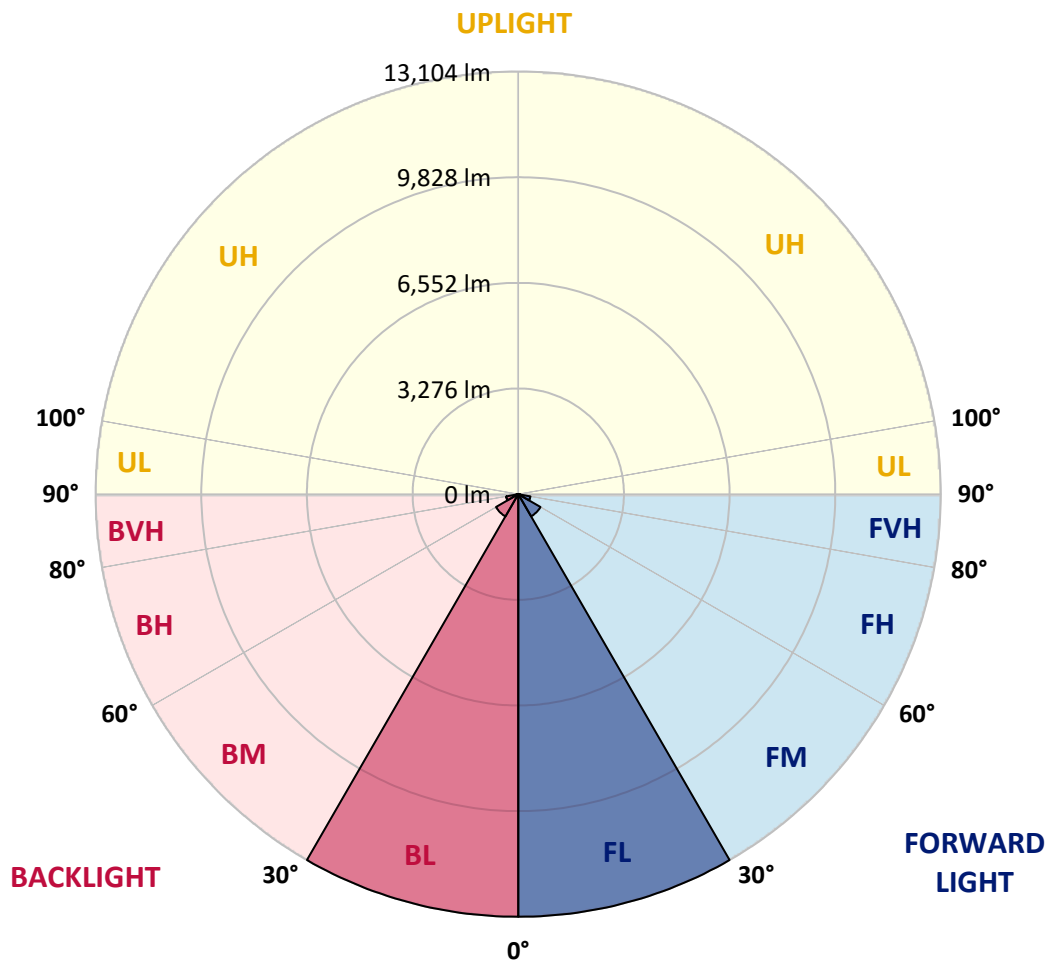
REPORT NUMBER: P525848  
 CATALOG NUMBER: IFLD-L-SA7C-927-U-22

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13104.3	45.7			
FM (30°-60°)	796.7	2.8			
FH (60°-80°)	382.4	1.3			G0/660
FVH (80°-90°)	53.5	0.2			G1/100
BL (0°-30°)	13104.3	45.7	B5		
BM (30°-60°)	796.7	2.8	B1/1000		
BH (60°-80°)	382.4	1.3	B1/500		G0/660
BVH (80°-90°)	53.5	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



REPORT NUMBER: P525848  
CATALOG NUMBER: IFLD-L-SA7C-927-U-22

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	425690.6
1°	418202.1
2°	397225.7
3°	361196.5
4°	311658.5
5°	255801.4
6°	201105.5
7°	154058.1
8°	114983.0
9°	85727.1
10°	63930.4
12.5°	34842.8
15°	22356.3
17.5°	15086.5
20°	8969.4
22.5°	4989.6
25°	2852.4
27.5°	1809.0
30°	1304.2
32.5°	1064.4
35°	946.6
37.5°	879.3
40°	790.9
42.5°	702.6
45°	626.9
47.5°	589.0
50°	563.7
52.5°	546.9
55°	534.3
57.5°	525.9
60°	509.1
62.5°	496.4
65°	471.2
67.5°	437.5
70°	395.5
72.5°	340.8
75°	286.1
77.5°	235.6
80°	189.3
82.5°	147.2
85°	109.4
87.5°	42.1
90°	0.0

(END OF REPORT)