

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: P525846

Luminaire Tested: **IFLD-L-SA7A-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525846  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-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**

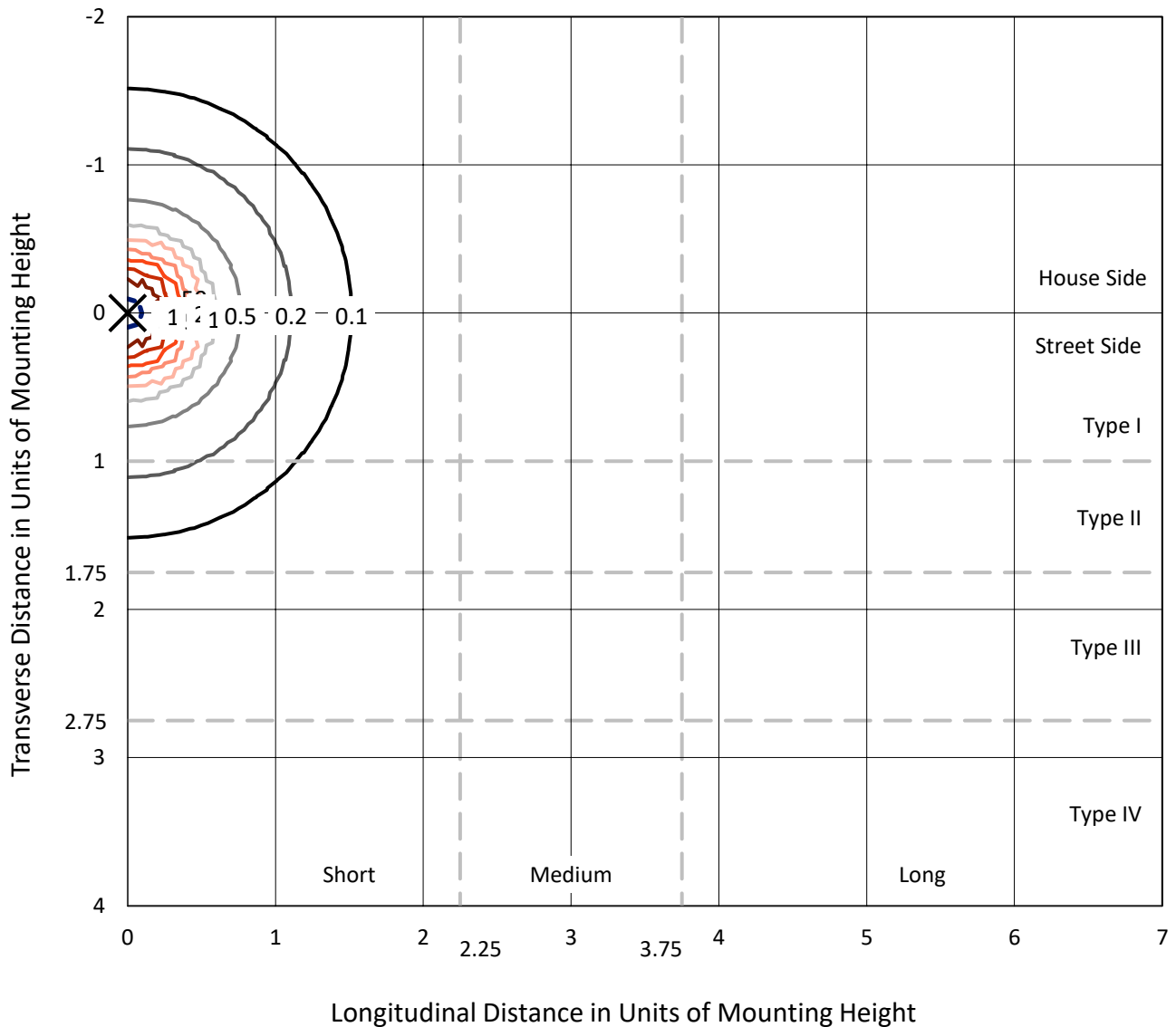
Lumens per Lamp: N/A  
Luminaire Lumens: 20245.5 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 217.6  
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

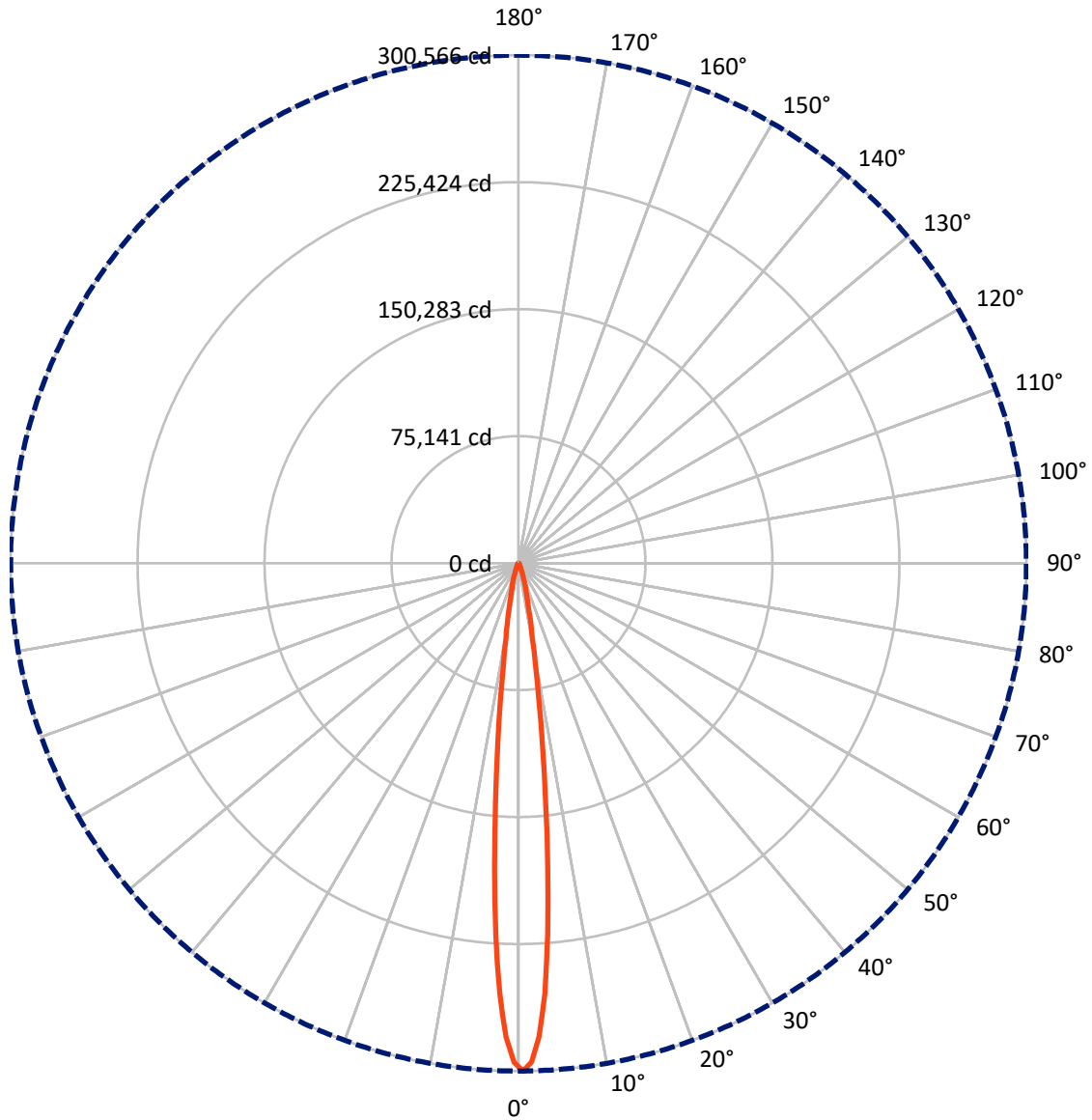
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 480.9 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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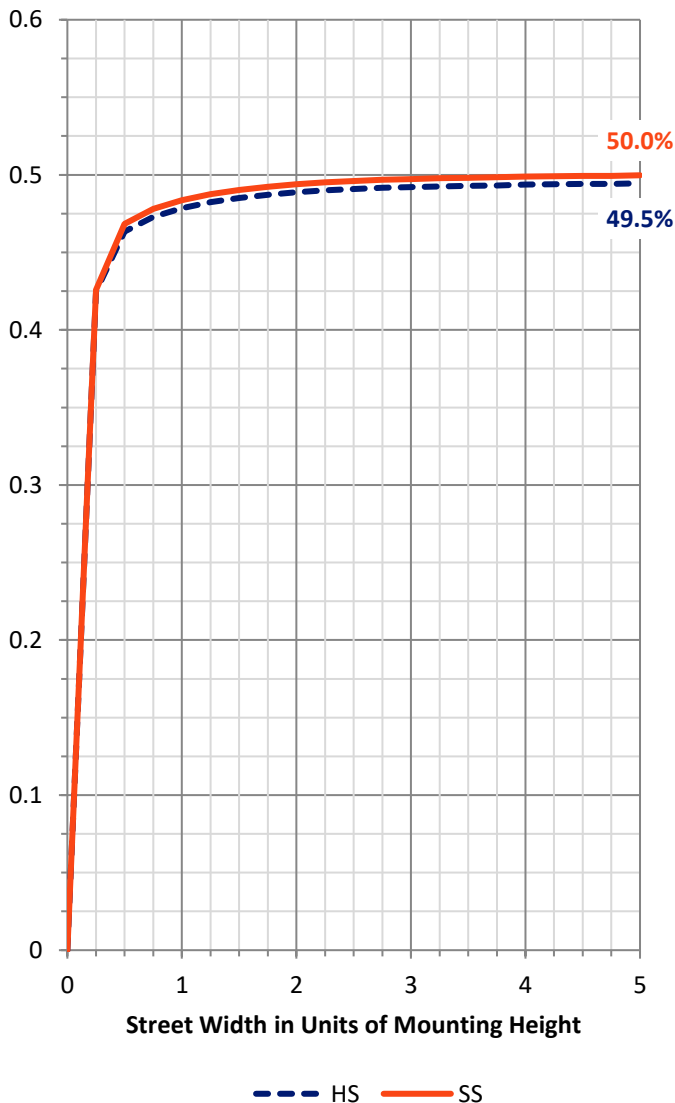
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10122.8	0.0	10122.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10122.8	0.0	10122.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20245.5	0.0	20245.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12422.3	61.4
10°-20°	4943.0	24.4
20°-30°	1139.7	5.6
30°-40°	432.7	2.1
40°-50°	353.1	1.7
50°-60°	339.1	1.7
60°-70°	324.9	1.6
70°-80°	215.1	1.1
80°-90°	75.6	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°	20245.5	100.0
0°-180°	20245.5	100.0



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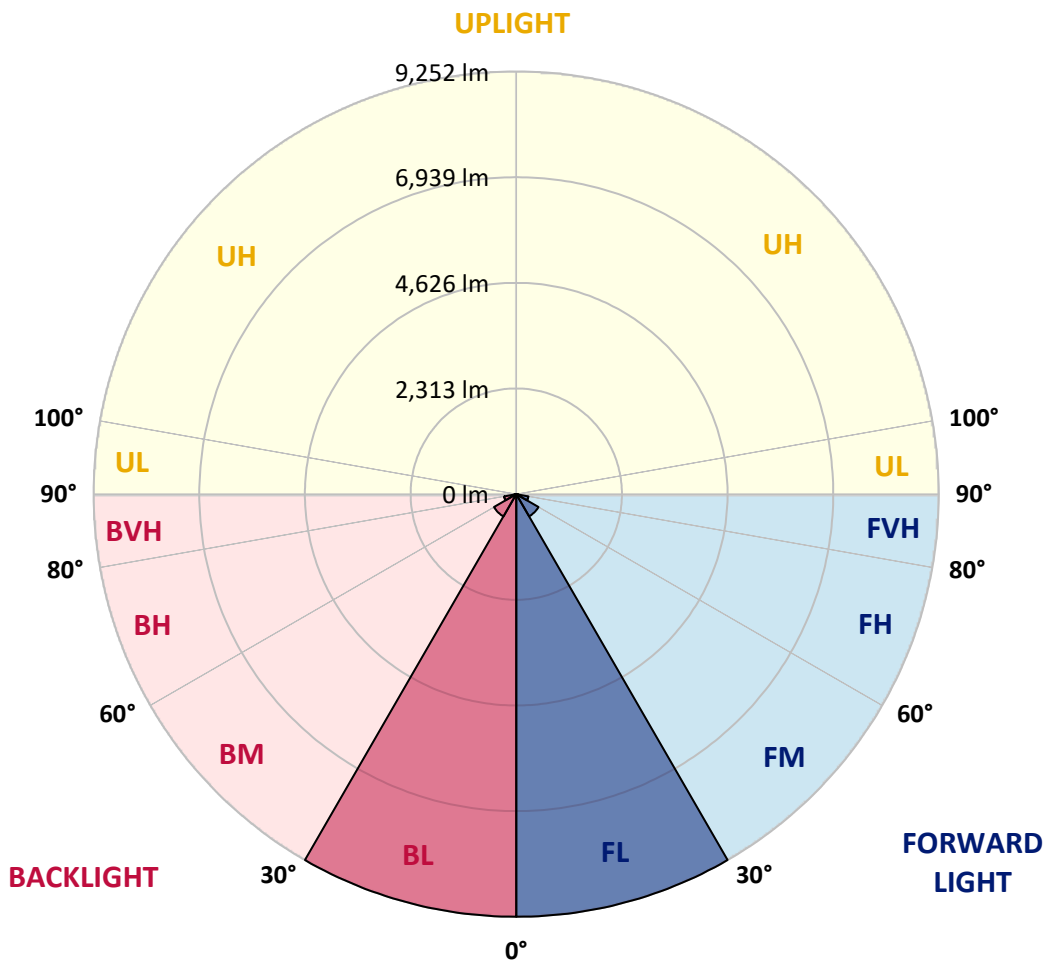
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9252.5	45.7			
FM (30°-60°)	562.5	2.8			
FH (60°-80°)	270.0	1.3			G0/660
FVH (80°-90°)	37.8	0.2			G1/100
BL (0°-30°)	9252.5	45.7	B5		
BM (30°-60°)	562.5	2.8	B1/1000		
BH (60°-80°)	270.0	1.3	B1/500		G0/660
BVH (80°-90°)	37.8	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°	300565.8
1°	295278.4
2°	280467.7
3°	255028.7
4°	220051.5
5°	180612.8
6°	141993.8
7°	108775.2
8°	81185.6
9°	60529.0
10°	45139.1
12.5°	24601.3
15°	15785.0
17.5°	10652.1
20°	6333.0
22.5°	3523.0
25°	2014.0
27.5°	1277.3
30°	920.8
32.5°	751.5
35°	668.4
37.5°	620.8
40°	558.4
42.5°	496.1
45°	442.6
47.5°	415.9
50°	398.0
52.5°	386.2
55°	377.2
57.5°	371.3
60°	359.4
62.5°	350.5
65°	332.7
67.5°	308.9
70°	279.2
72.5°	240.6
75°	202.0
77.5°	166.3
80°	133.7
82.5°	104.0
85°	77.2
87.5°	29.7
90°	0.0

(END OF REPORT)