

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: P525818

Luminaire Tested: **IFLD-S-SA2C-927-U-22**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525818  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-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**

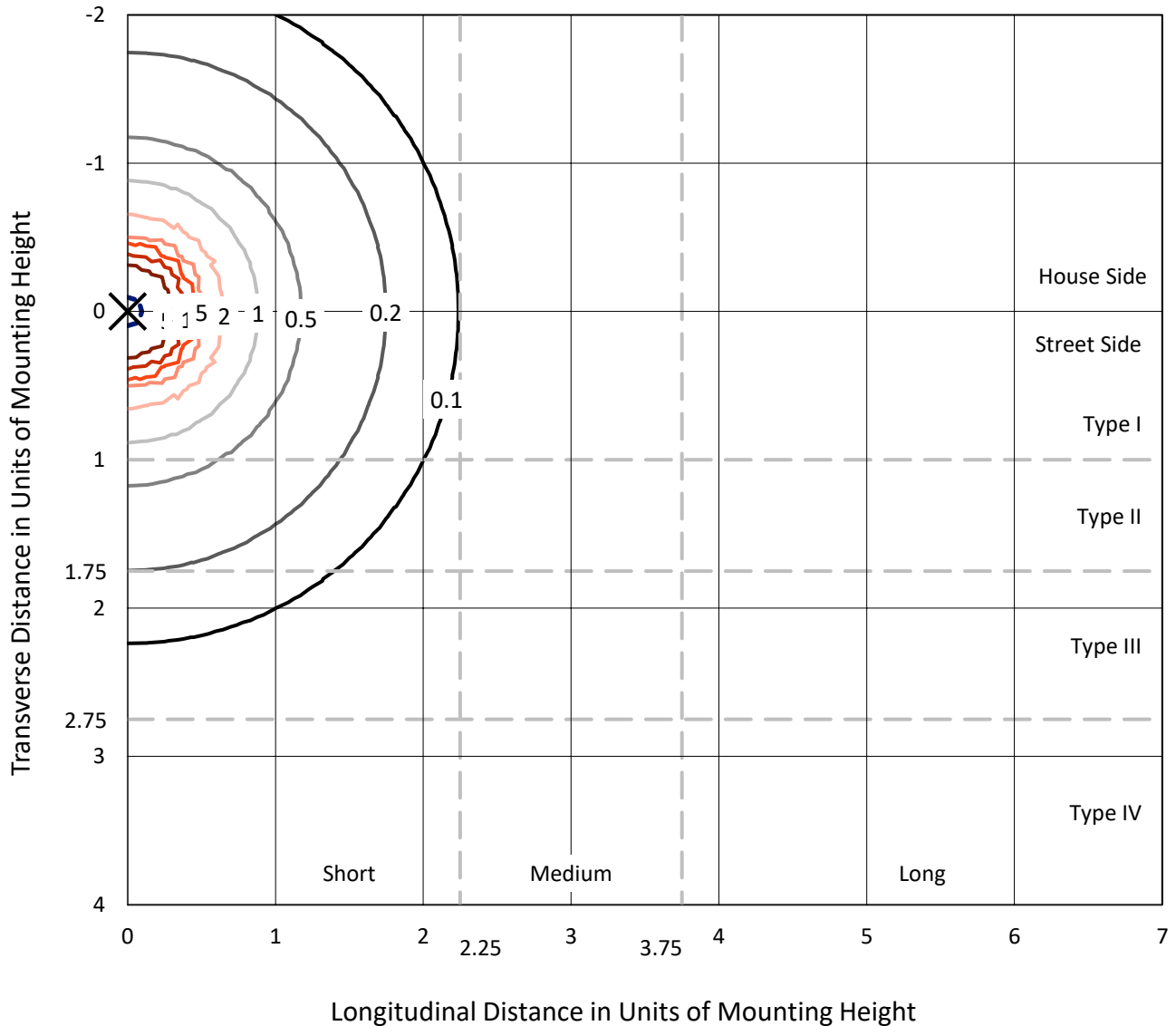
Lumens per Lamp: N/A  
Luminaire Lumens: 9193.4 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2  
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

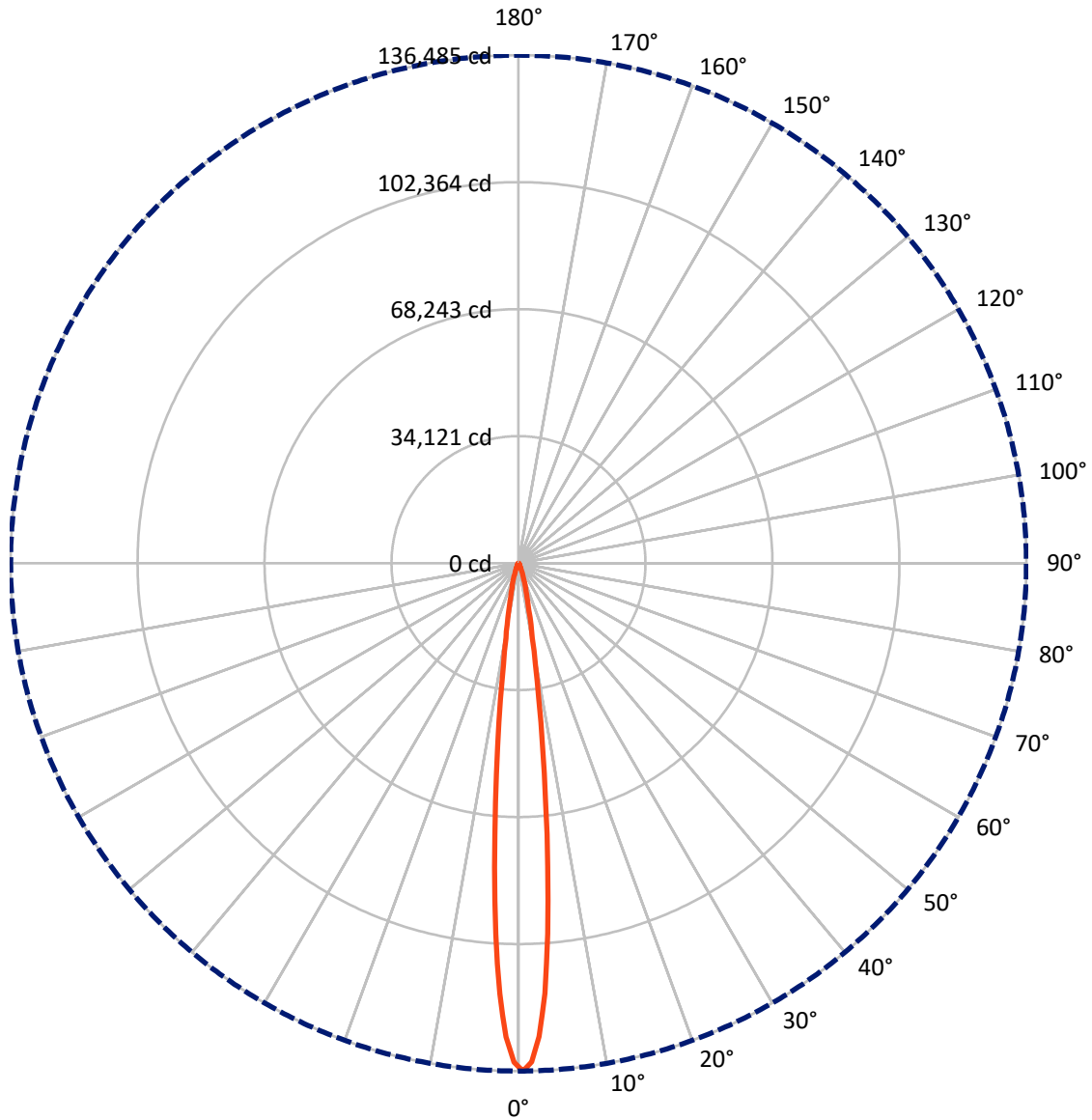
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1364.9 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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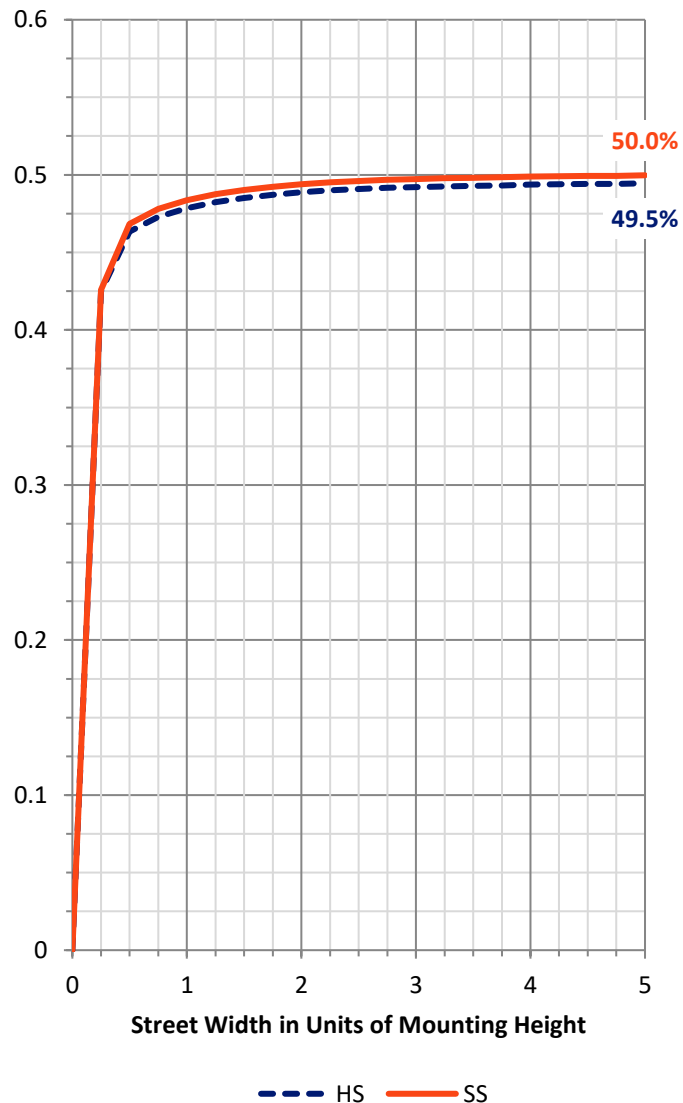
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4596.7	0.0	4596.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4596.7	0.0	4596.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9193.4	0.0	9193.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5640.9	61.4
10°-20°	2244.6	24.4
20°-30°	517.5	5.6
30°-40°	196.5	2.1
40°-50°	160.4	1.7
50°-60°	154.0	1.7
60°-70°	147.6	1.6
70°-80°	97.7	1.1
80°-90°	34.3	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°	9193.4	100.0
0°-180°	9193.4	100.0

**Coefficient of Utilization**



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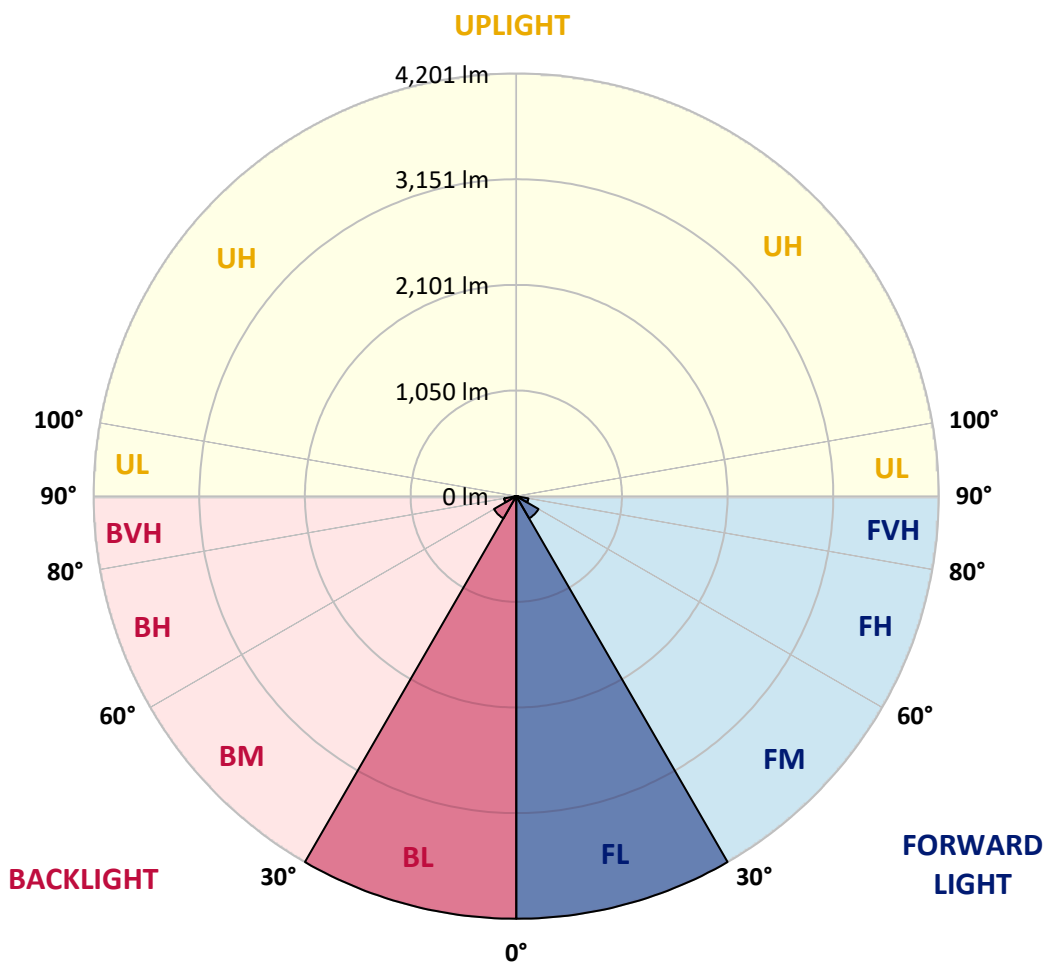
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4201.5	45.7			
FM (30°-60°)	255.4	2.8			
FH (60°-80°)	122.6	1.3			G0/660
FVH (80°-90°)	17.2	0.2			G1/100
BL (0°-30°)	4201.5	45.7	B4/5000		
BM (30°-60°)	255.4	2.8	B1/1000		
BH (60°-80°)	122.6	1.3	B1/500		G0/660
BVH (80°-90°)	17.2	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°	136485.3
1°	134084.3
2°	127358.9
3°	115807.2
4°	99924.2
5°	82015.3
6°	64478.6
7°	49394.2
8°	36865.9
9°	27485.9
10°	20497.4
12.5°	11171.3
15°	7167.9
17.5°	4837.0
20°	2875.8
22.5°	1599.8
25°	914.5
27.5°	580.0
30°	418.1
32.5°	341.3
35°	303.5
37.5°	281.9
40°	253.6
42.5°	225.3
45°	201.0
47.5°	188.8
50°	180.7
52.5°	175.4
55°	171.3
57.5°	168.6
60°	163.2
62.5°	159.2
65°	151.1
67.5°	140.3
70°	126.8
72.5°	109.3
75°	91.7
77.5°	75.5
80°	60.7
82.5°	47.2
85°	35.1
87.5°	13.5
90°	0.0

(END OF REPORT)