

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: P525851

Luminaire Tested: **IFLD-L-SA8A-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525851  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-927-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (128) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

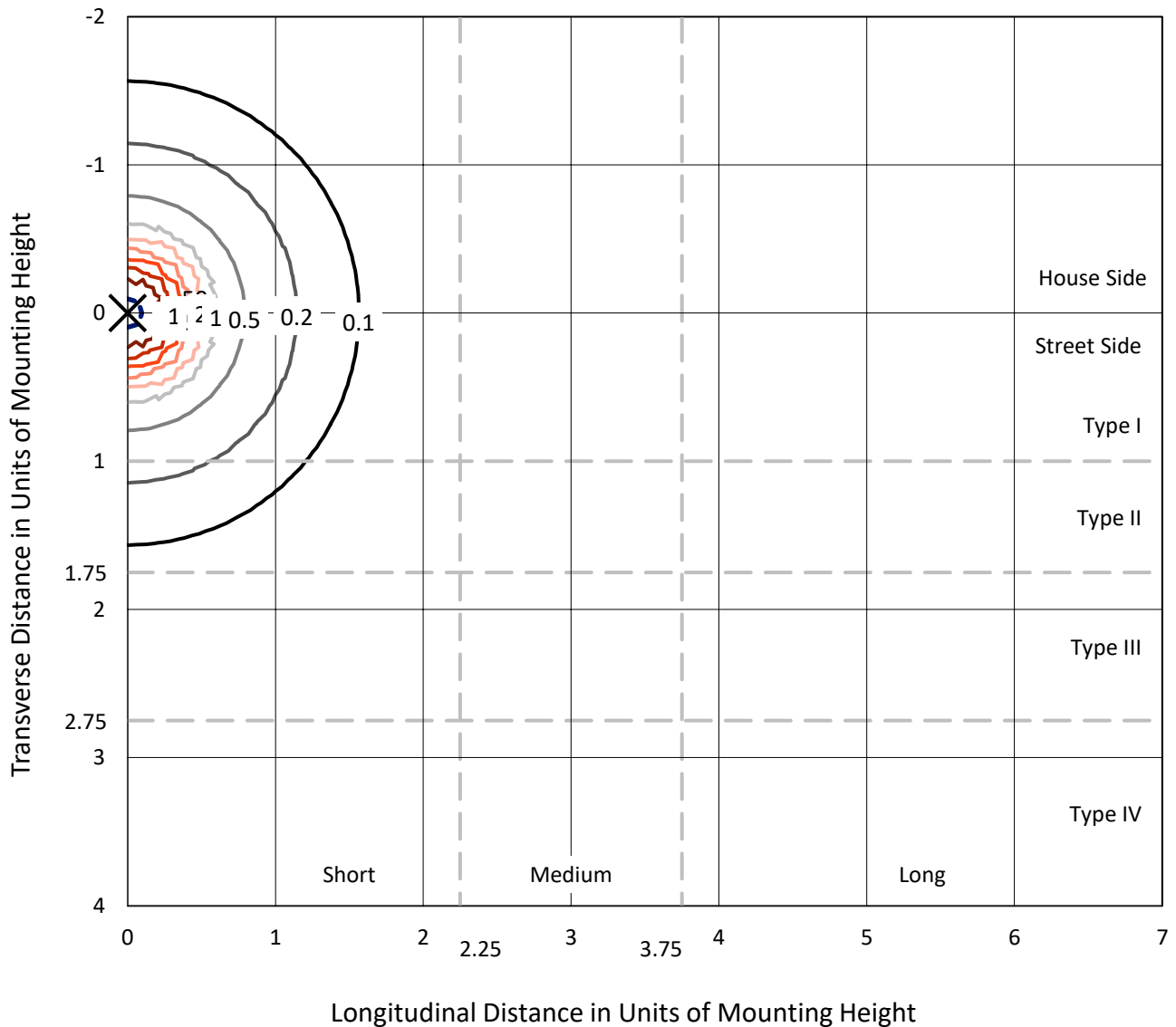
Lumens per Lamp: N/A  
Luminaire Lumens: 21795.5 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 247.8  
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

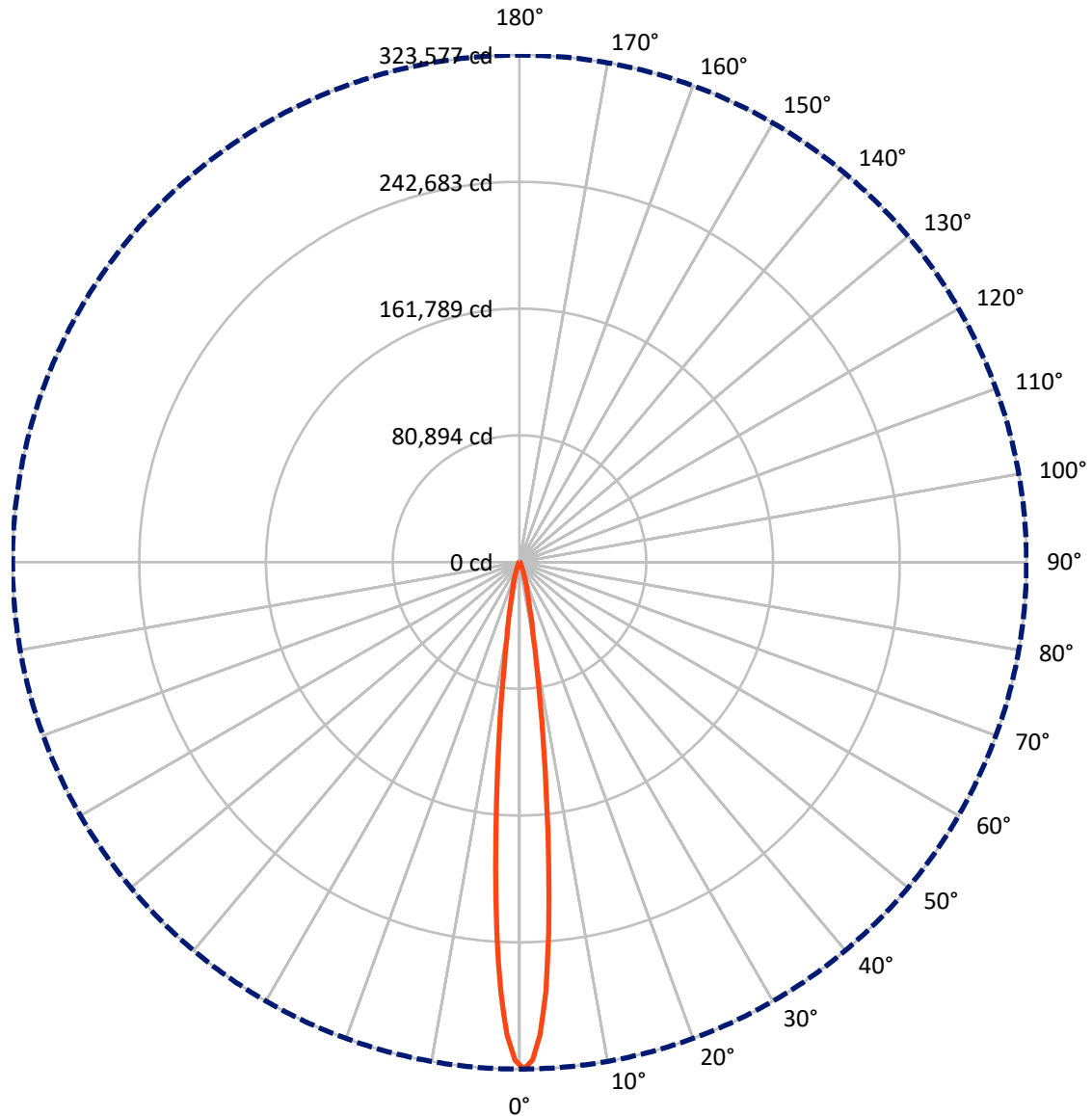
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 517.7 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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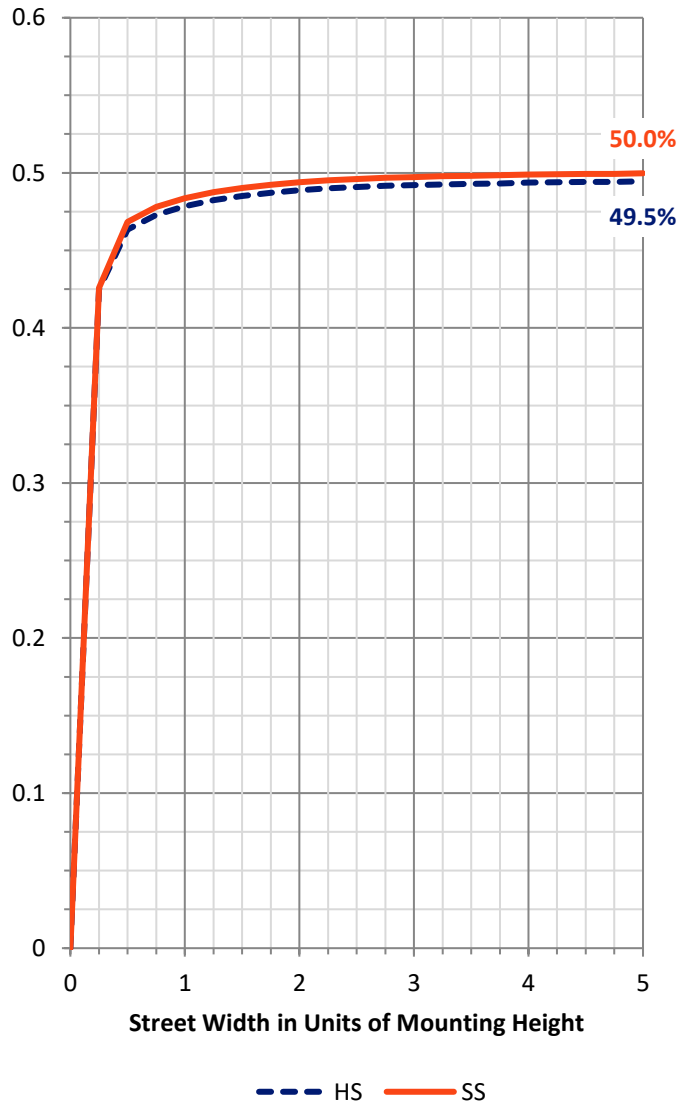
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10897.8	0.0	10897.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10897.8	0.0	10897.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21795.5	0.0	21795.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13373.3	61.4
10°-20°	5321.4	24.4
20°-30°	1227.0	5.6
30°-40°	465.8	2.1
40°-50°	380.2	1.7
50°-60°	365.1	1.7
60°-70°	349.8	1.6
70°-80°	231.6	1.1
80°-90°	81.4	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°	21795.5	100.0
0°-180°	21795.5	100.0

**Coefficient of Utilization**



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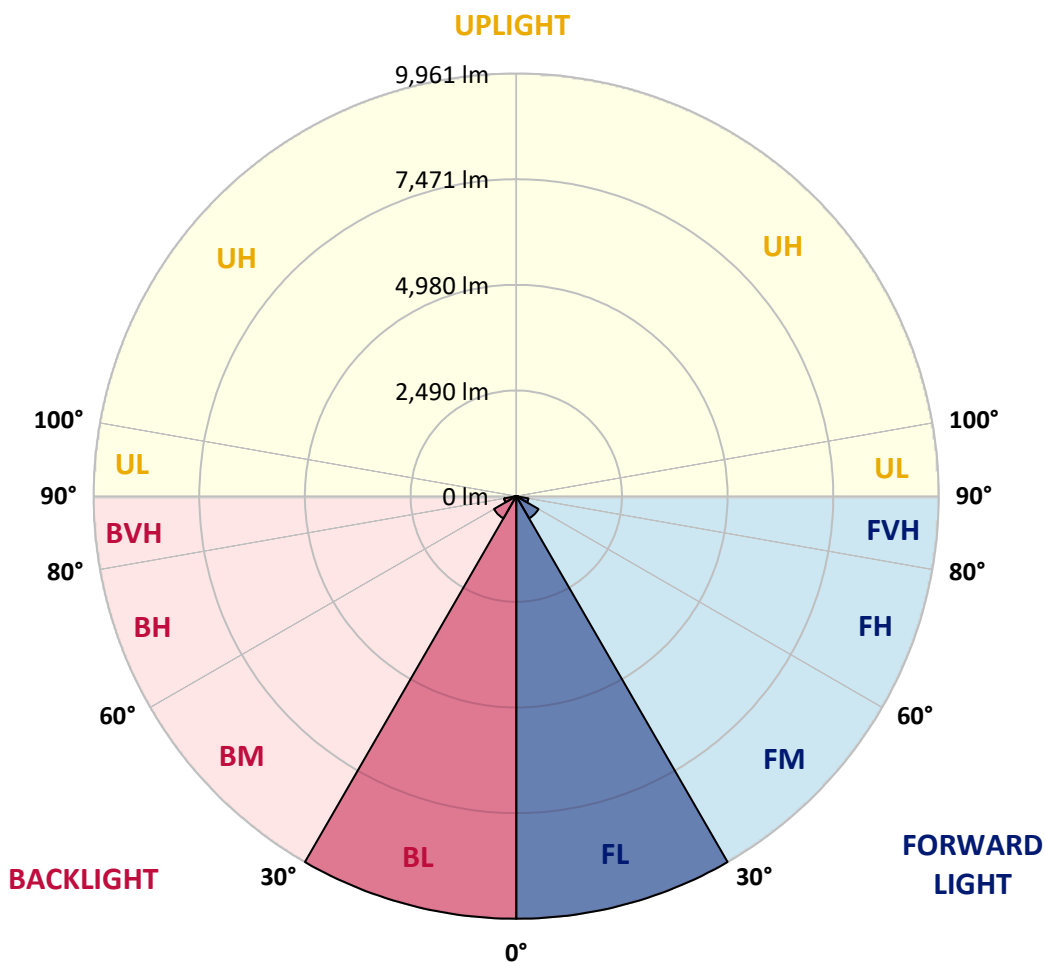
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9960.9	45.7			
FM (30°-60°)	605.5	2.8			
FH (60°-80°)	290.7	1.3			G0/660
FVH (80°-90°)	40.7	0.2			G1/100
BL (0°-30°)	9960.9	45.7	B5		
BM (30°-60°)	605.5	2.8	B1/1000		
BH (60°-80°)	290.7	1.3	B1/500		G0/660
BVH (80°-90°)	40.7	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°	323577.4
1°	317885.1
2°	301940.5
3°	274553.9
4°	236898.9
5°	194440.6
6°	152865.0
7°	117103.1
8°	87401.2
9°	65163.2
10°	48595.0
12.5°	26484.8
15°	16993.5
17.5°	11467.6
20°	6817.9
22.5°	3792.7
25°	2168.2
27.5°	1375.1
30°	991.3
32.5°	809.1
35°	719.5
37.5°	668.4
40°	601.2
42.5°	534.0
45°	476.5
47.5°	447.7
50°	428.5
52.5°	415.7
55°	406.1
57.5°	399.7
60°	386.9
62.5°	377.3
65°	358.2
67.5°	332.6
70°	300.6
72.5°	259.0
75°	217.5
77.5°	179.1
80°	143.9
82.5°	111.9
85°	83.1
87.5°	32.0
90°	0.0

(END OF REPORT)