

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: P525891

Luminaire Tested: **IFLD-L-SA8B-930-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525891  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-930-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (128) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

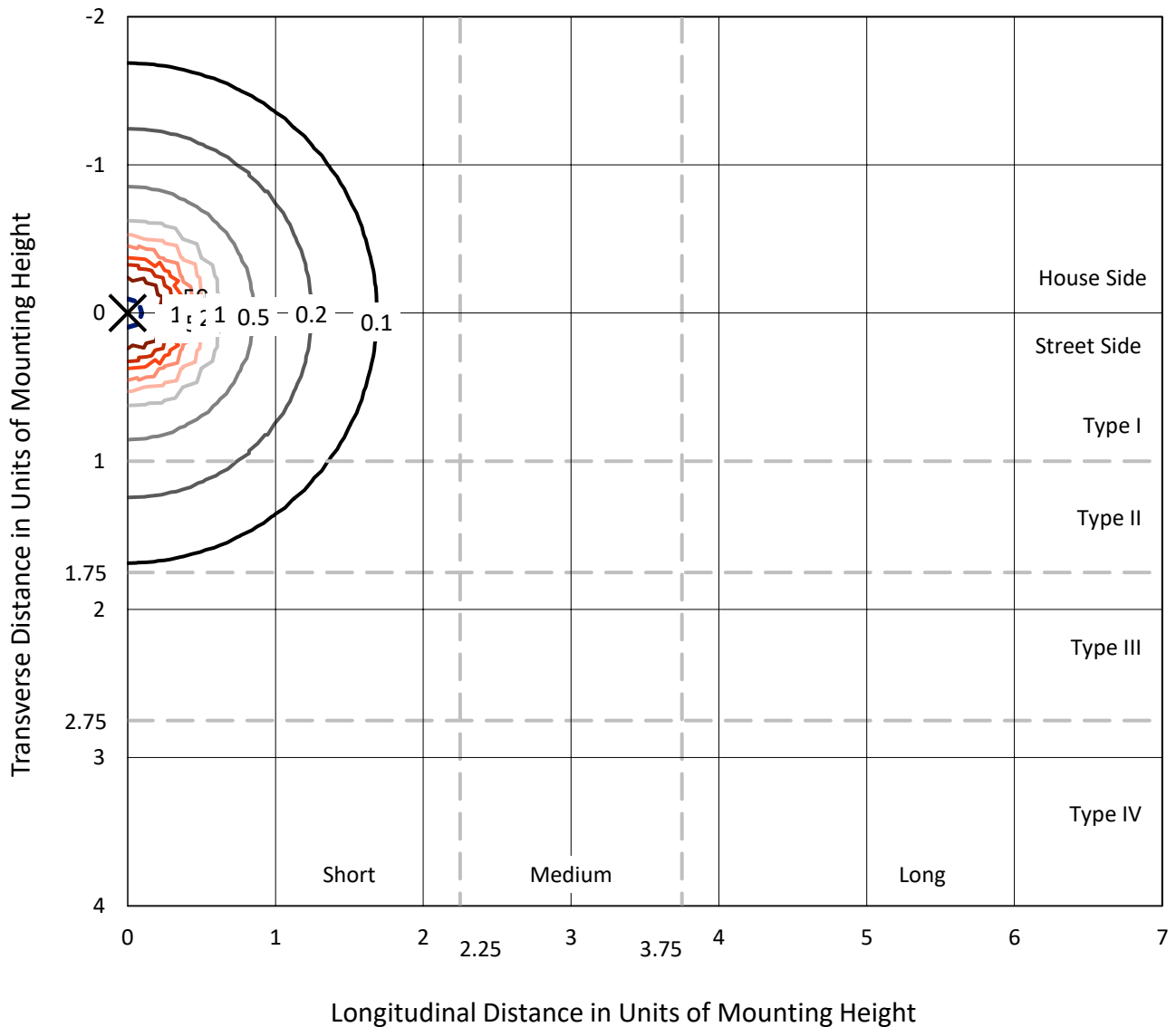
Lumens per Lamp: N/A  
Luminaire Lumens: 26178.8 lumens  
Efficiency: N/A  
Efficacy: 81.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 320  
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

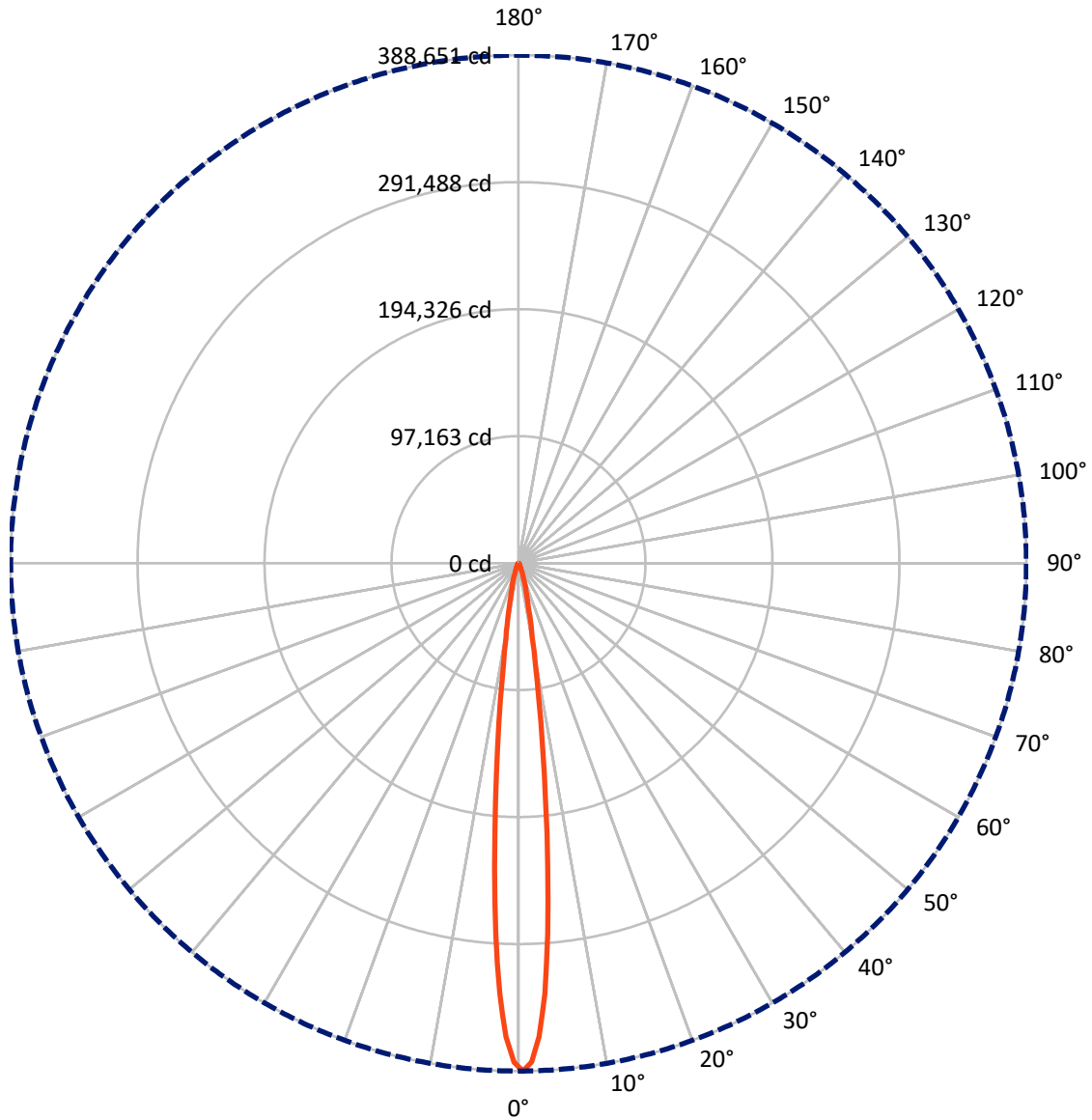
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 621.8 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	13089.4	0.0	13089.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13089.4	0.0	13089.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26178.8	0.0	26178.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16062.8	61.4
10°-20°	6391.6	24.4
20°-30°	1473.7	5.6
30°-40°	559.5	2.1
40°-50°	456.6	1.7
50°-60°	438.5	1.7
60°-70°	420.2	1.6
70°-80°	278.1	1.1
80°-90°	97.7	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°	26178.8	100.0
0°-180°	26178.8	100.0

**Coefficient of Utilization**



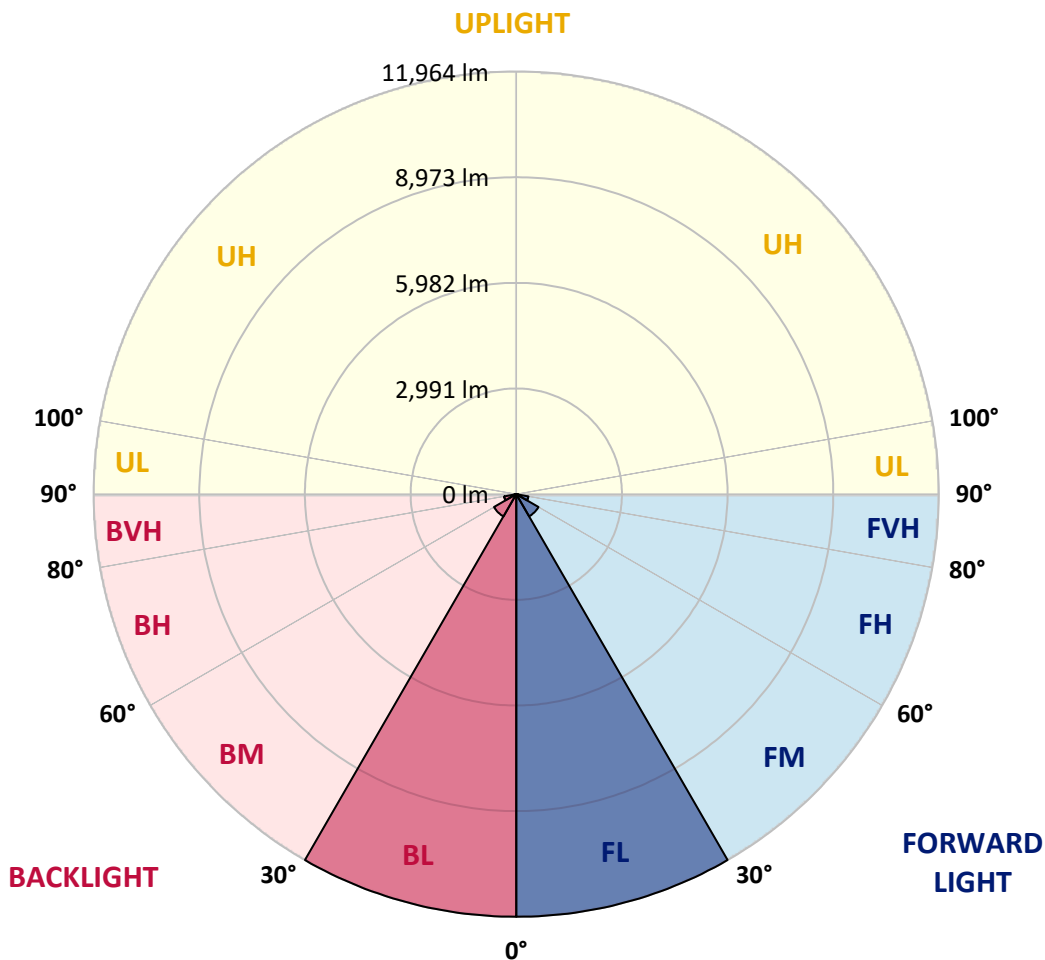
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11964.1	45.7			
FM (30°-60°)	727.3	2.8			
FH (60°-80°)	349.1	1.3			G0/660
FVH (80°-90°)	48.9	0.2			G1/100
BL (0°-30°)	11964.1	45.7	B5		
BM (30°-60°)	727.3	2.8	B1/1000		
BH (60°-80°)	349.1	1.3	B1/500		G0/660
BVH (80°-90°)	48.9	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°	388651.1
1°	381814.1
2°	362662.9
3°	329768.6
4°	284540.9
5°	233544.0
6°	183607.2
7°	140653.4
8°	104978.2
9°	78267.9
10°	58367.8
12.5°	31811.1
15°	20411.0
17.5°	13773.8
20°	8189.0
22.5°	4555.4
25°	2604.2
27.5°	1651.6
30°	1190.7
32.5°	971.8
35°	864.2
37.5°	802.8
40°	722.1
42.5°	641.4
45°	572.3
47.5°	537.7
50°	514.7
52.5°	499.3
55°	487.8
57.5°	480.1
60°	464.8
62.5°	453.2
65°	430.2
67.5°	399.5
70°	361.1
72.5°	311.1
75°	261.2
77.5°	215.1
80°	172.8
82.5°	134.4
85°	99.9
87.5°	38.4
90°	0.0

(END OF REPORT)