

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: P525885

Luminaire Tested: **IFLD-L-SA7A-930-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525885  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-930-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

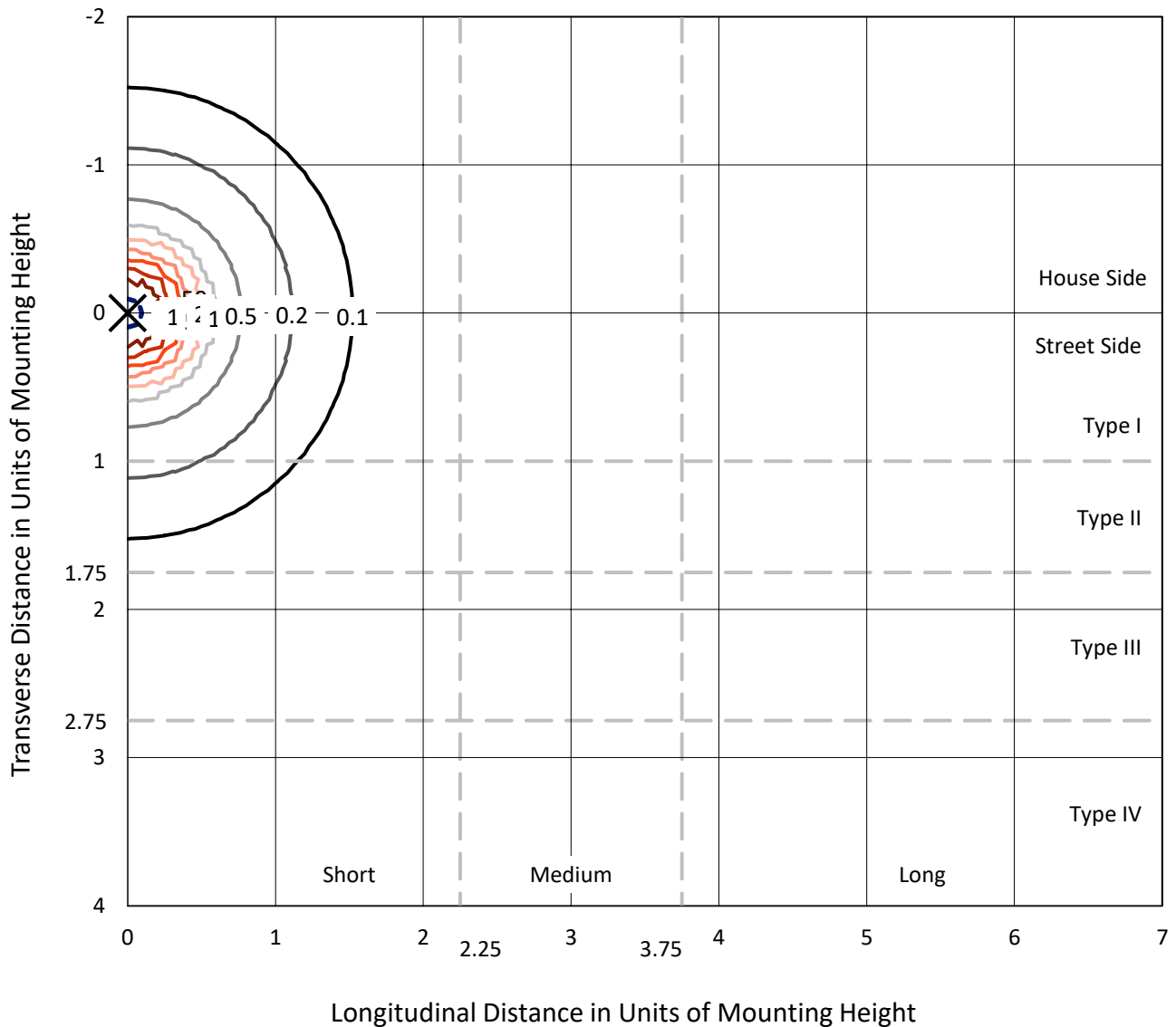
Lumens per Lamp: N/A  
Luminaire Lumens: 20467.4 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

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

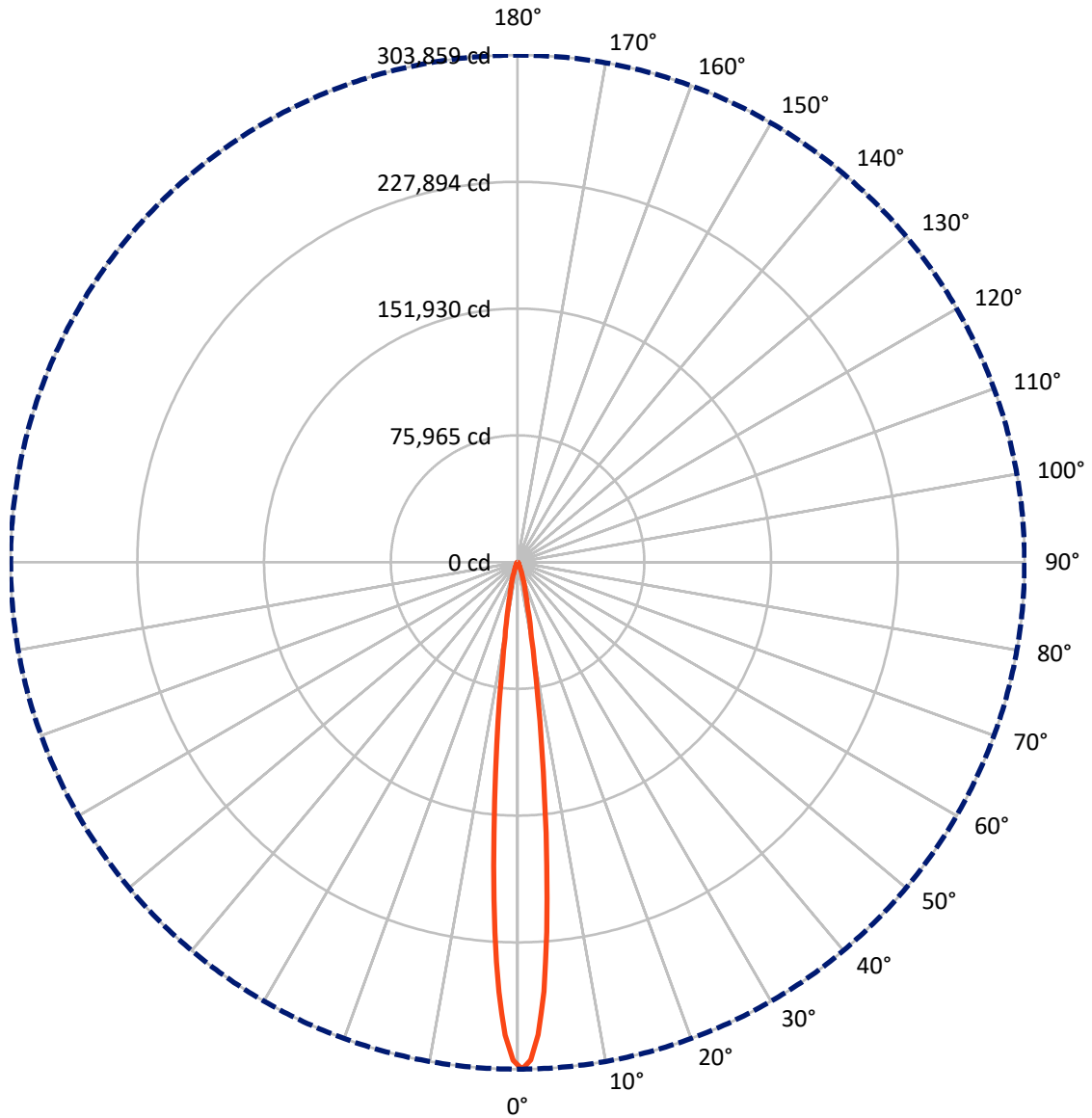
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 486.2 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	10233.7	0.0	10233.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10233.7	0.0	10233.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20467.4	0.0	20467.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12558.4	61.4
10°-20°	4997.1	24.4
20°-30°	1152.2	5.6
30°-40°	437.4	2.1
40°-50°	357.0	1.7
50°-60°	342.9	1.7
60°-70°	328.5	1.6
70°-80°	217.4	1.1
80°-90°	76.4	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°	20467.4	100.0
0°-180°	20467.4	100.0

**Coefficient of Utilization**



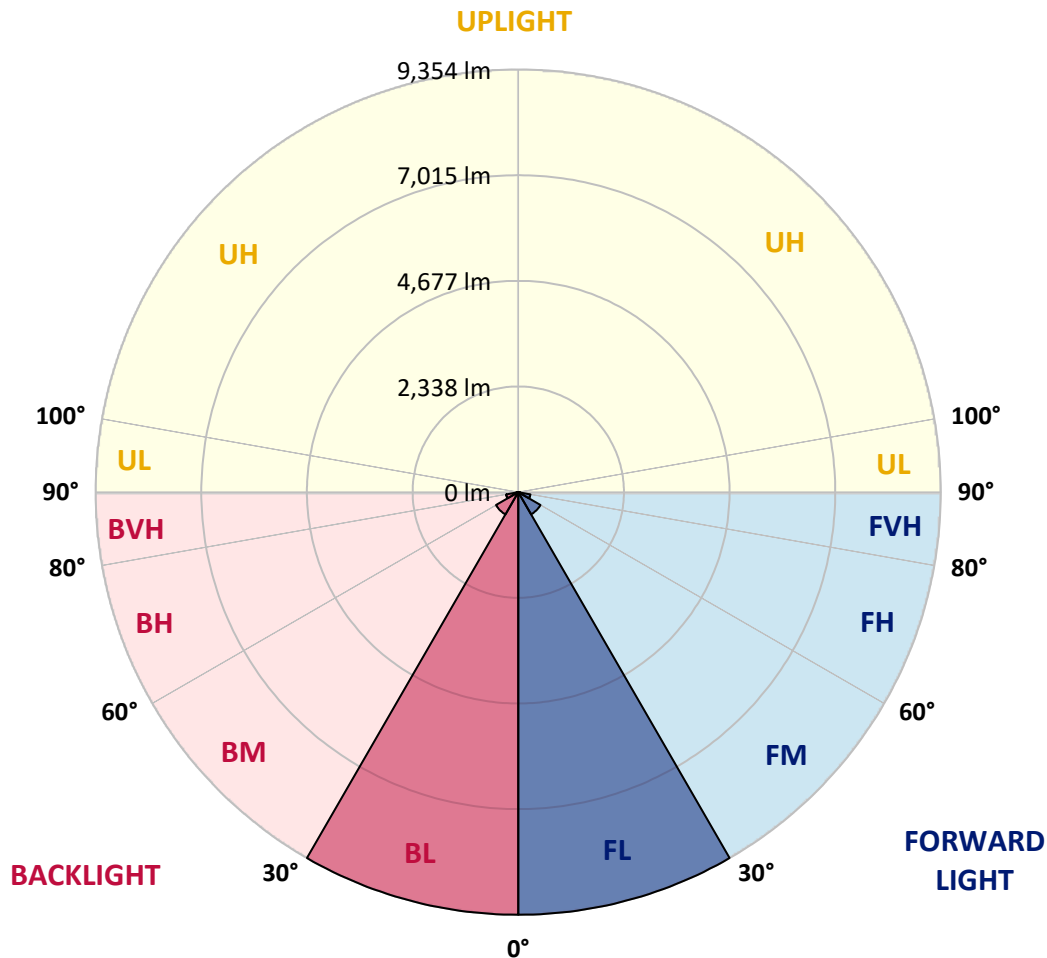
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9353.9	45.7			
FM (30°-60°)	568.7	2.8			
FH (60°-80°)	273.0	1.3			G0/660
FVH (80°-90°)	38.2	0.2			G1/100
BL (0°-30°)	9353.9	45.7	B5		
BM (30°-60°)	568.7	2.8	B1/1000		
BH (60°-80°)	273.0	1.3	B1/500		G0/660
BVH (80°-90°)	38.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	303859.3
1°	298513.9
2°	283540.9
3°	257823.2
4°	222462.8
5°	182591.8
6°	143549.8
7°	109967.1
8°	82075.2
9°	61192.3
10°	45633.7
12.5°	24870.9
15°	15958.0
17.5°	10768.8
20°	6402.4
22.5°	3561.6
25°	2036.0
27.5°	1291.3
30°	930.9
32.5°	759.8
35°	675.7
37.5°	627.6
40°	564.6
42.5°	501.5
45°	447.4
47.5°	420.4
50°	402.4
52.5°	390.4
55°	381.4
57.5°	375.4
60°	363.4
62.5°	354.4
65°	336.3
67.5°	312.3
70°	282.3
72.5°	243.2
75°	204.2
77.5°	168.2
80°	135.1
82.5°	105.1
85°	78.1
87.5°	30.0
90°	0.0

(END OF REPORT)