

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: P525888

Luminaire Tested: **IFLD-L-SA7D-930-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525888  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-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**

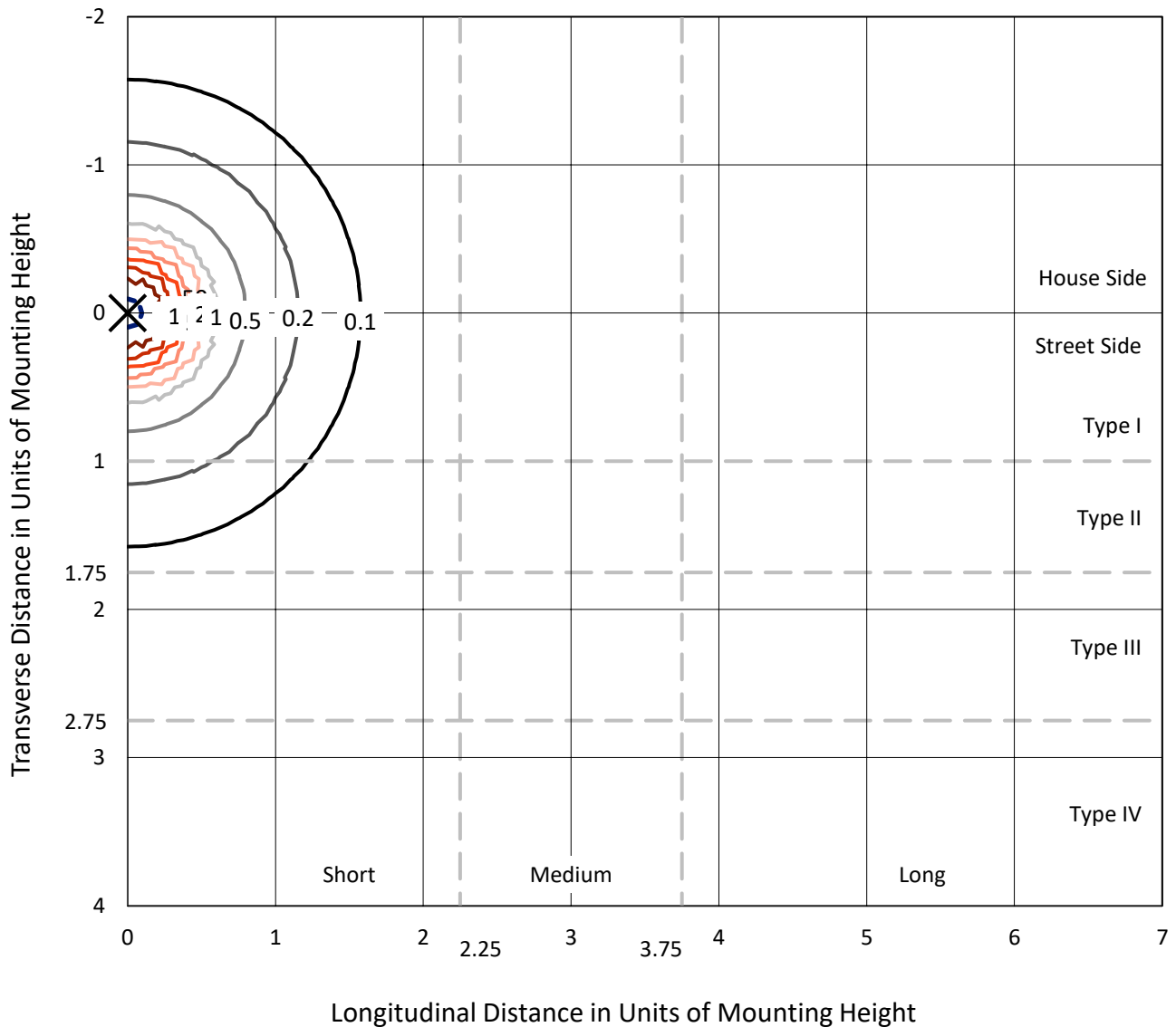
Lumens per Lamp: N/A  
Luminaire Lumens: 31896.6 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6  
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

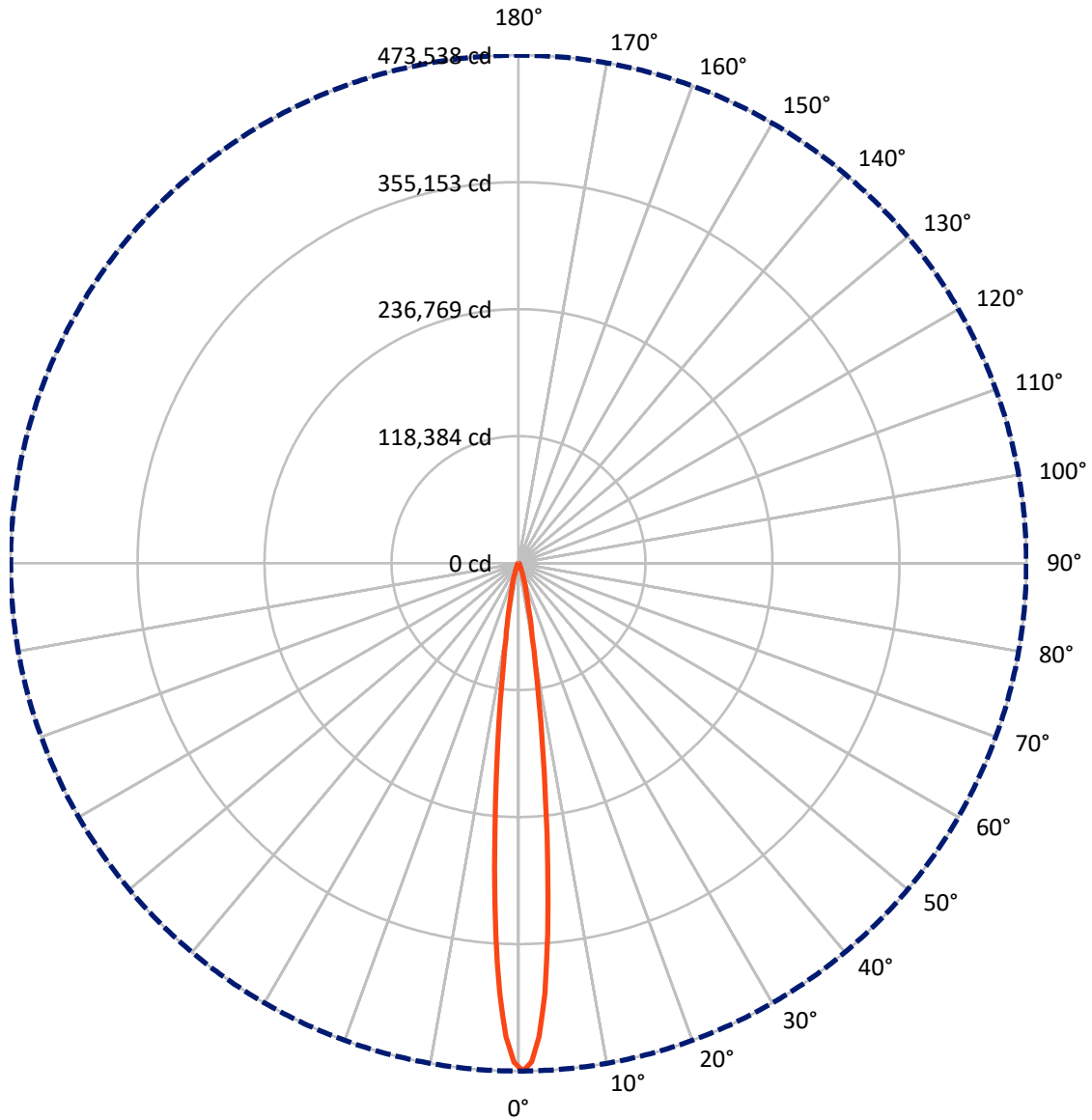
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 526.2 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	15948.3	0.0	15948.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15948.3	0.0	15948.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31896.6	0.0	31896.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19571.1	61.4
10°-20°	7787.6	24.4
20°-30°	1795.6	5.6
30°-40°	681.7	2.1
40°-50°	556.4	1.7
50°-60°	534.3	1.7
60°-70°	511.9	1.6
70°-80°	338.9	1.1
80°-90°	119.1	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°	31896.6	100.0
0°-180°	31896.6	100.0

**Coefficient of Utilization**



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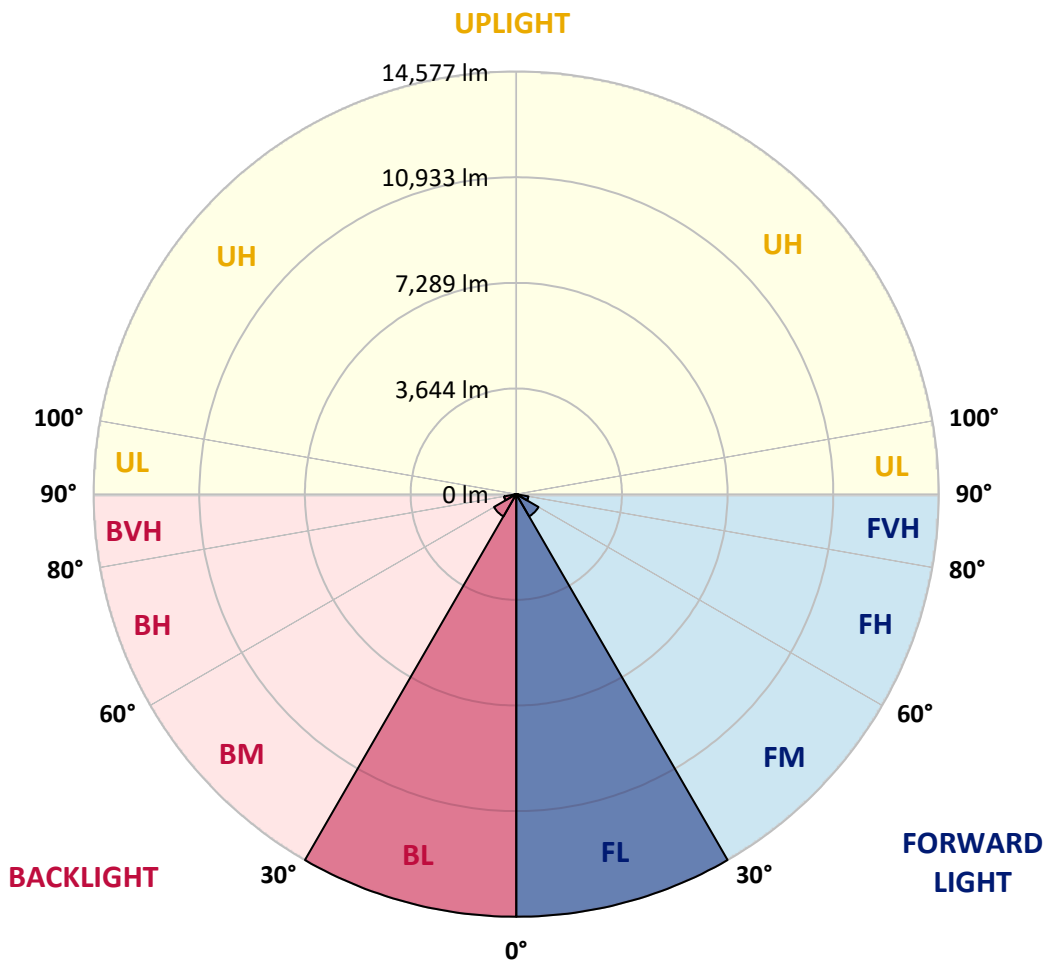
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14577.2	45.7			
FM (30°-60°)	886.2	2.8			
FH (60°-80°)	425.4	1.3			G0/660
FVH (80°-90°)	59.5	0.2			G1/100
BL (0°-30°)	14577.2	45.7	B5		
BM (30°-60°)	886.2	2.8	B1/1000		
BH (60°-80°)	425.4	1.3	B1/500		G0/660
BVH (80°-90°)	59.5	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°	473537.6
1°	465207.3
2°	441873.3
3°	401794.4
4°	346688.4
5°	284553.1
6°	223709.5
7°	171373.9
8°	127906.9
9°	95362.7
10°	71116.0
12.5°	38759.1
15°	24869.1
17.5°	16782.2
20°	9977.6
22.5°	5550.4
25°	3173.0
27.5°	2012.4
30°	1450.8
32.5°	1184.0
35°	1053.0
37.5°	978.1
40°	879.8
42.5°	781.5
45°	697.3
47.5°	655.2
50°	627.1
52.5°	608.4
55°	594.3
57.5°	585.0
60°	566.3
62.5°	552.2
65°	524.2
67.5°	486.7
70°	439.9
72.5°	379.1
75°	318.2
77.5°	262.1
80°	210.6
82.5°	163.8
85°	121.7
87.5°	46.8
90°	0.0

(END OF REPORT)