

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: P525696

Luminaire Tested: **IFLD-L-SA8B-930-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525696  
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-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (128) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

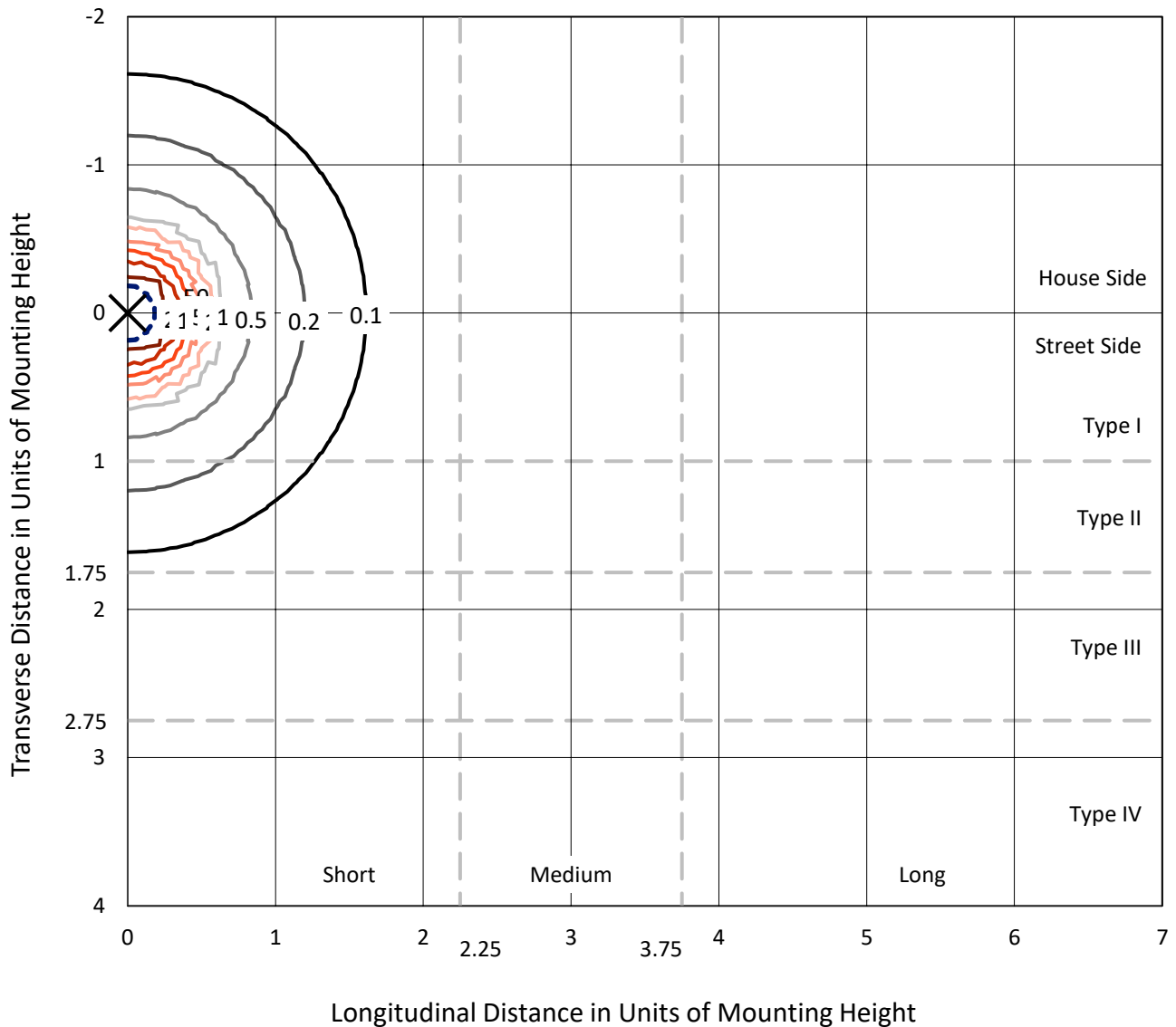
Lumens per Lamp: N/A  
Luminaire Lumens: 26082 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

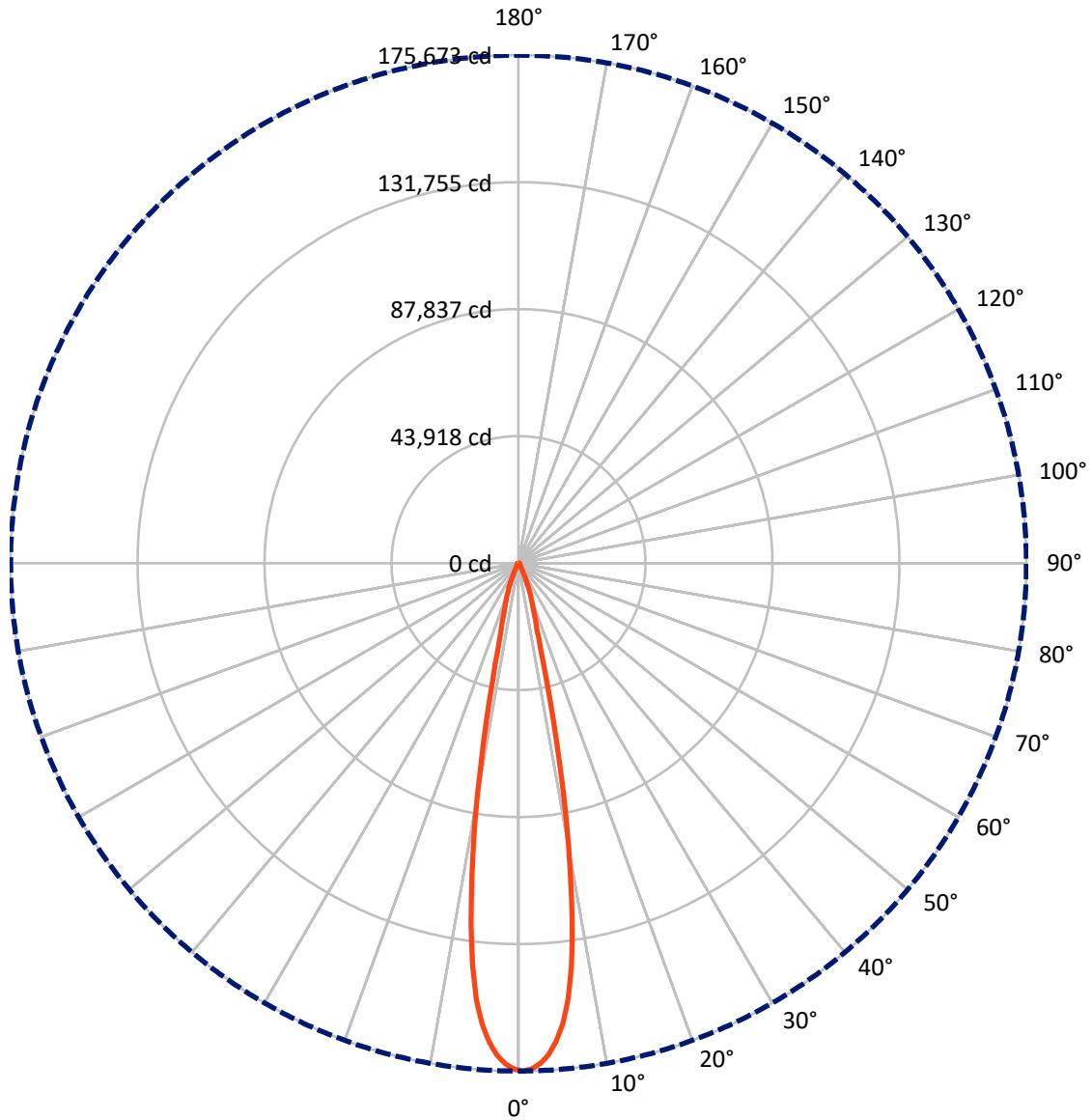
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 281.1 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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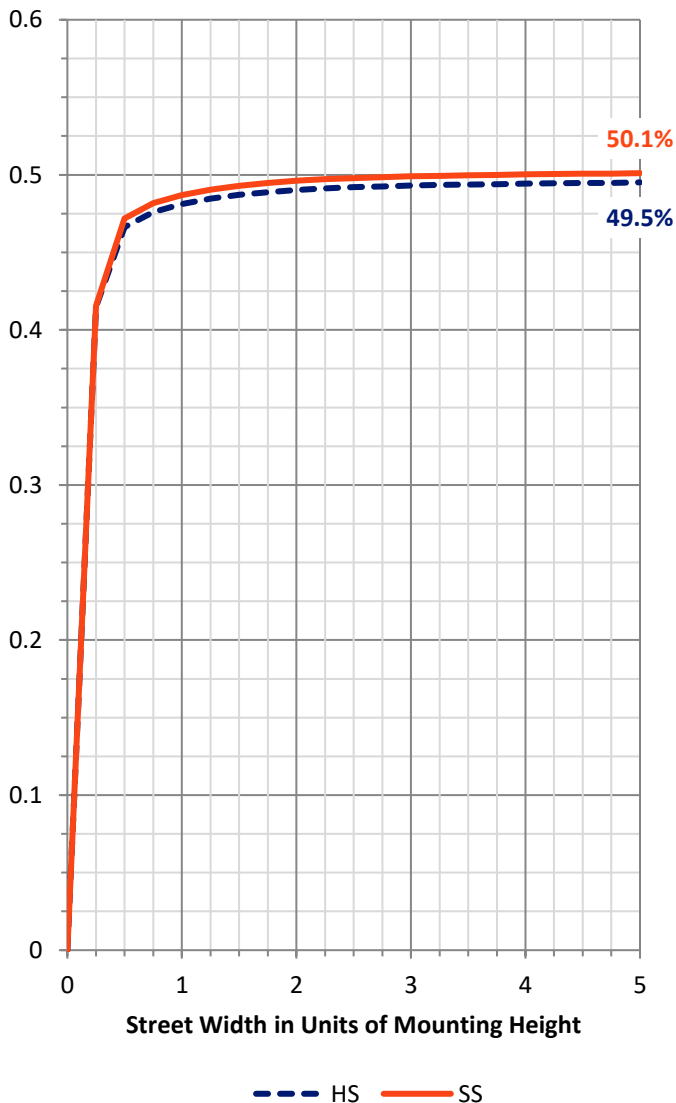
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13041.0	0.0	13041.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13041.0	0.0	13041.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26082.0	0.0	26082.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13079.8	50.1
10°-20°	8603.5	33.0
20°-30°	2314.2	8.9
30°-40°	575.0	2.2
40°-50°	429.1	1.6
50°-60°	394.6	1.5
60°-70°	361.9	1.4
70°-80°	234.1	0.9
80°-90°	89.9	0.3
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°	26082.0	100.0
0°-180°	26082.0	100.0



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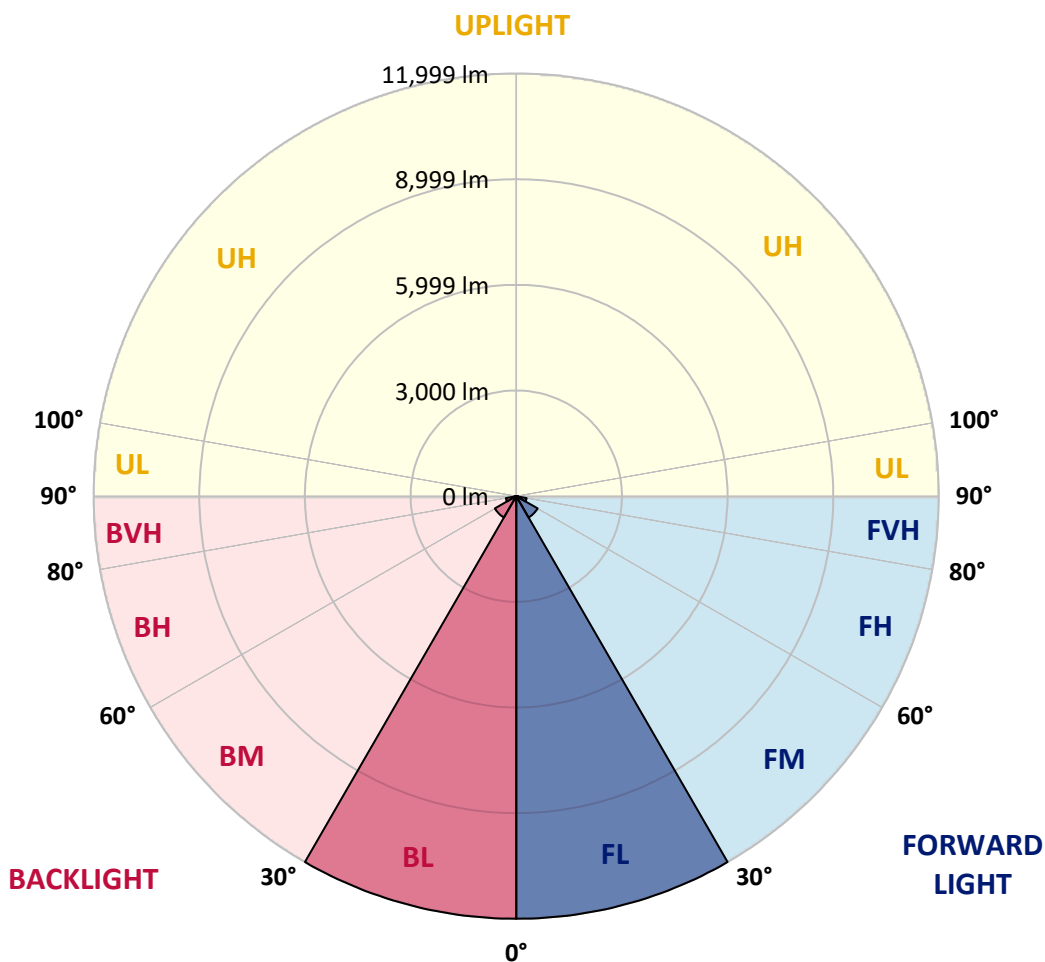
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11998.7	46.0			
FM	(30°-60°)	699.3	2.7			
FH	(60°-80°)	298.0	1.1			G0/660
FVH	(80°-90°)	44.9	0.2			G1/100
BL	(0°-30°)	11998.7	46.0	B5		
BM	(30°-60°)	699.3	2.7	B1/1000		
BH	(60°-80°)	298.0	1.1	B1/500		G0/660
BVH	(80°-90°)	44.9	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°	175673.3
1°	174985.8
2°	173253.6
3°	170304.0
4°	166006.2
5°	160022.4
6°	151668.9
7°	140235.2
8°	125736.6
9°	108637.8
10°	91297.1
11°	72669.7
12°	55378.9
13°	40922.6
14°	30625.7
15°	23985.1
17.5°	16077.1
20°	11621.9
22.5°	7662.2
25°	4497.5
27.5°	2523.3
30°	1409.5
32.5°	1029.3
35°	871.8
37.5°	768.1
40°	676.0
42.5°	606.8
45°	545.4
47.5°	503.1
50°	468.6
52.5°	449.4
55°	437.8
57.5°	430.2
60°	418.6
62.5°	395.6
65°	368.7
67.5°	338.0
70°	299.6
72.5°	257.3
75°	218.9
77.5°	184.4
80°	153.6
82.5°	122.9
85°	92.2
87.5°	38.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)