

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: P525666

Luminaire Tested: **IFLD-S-SA3B-930-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525666  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-930-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (48) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

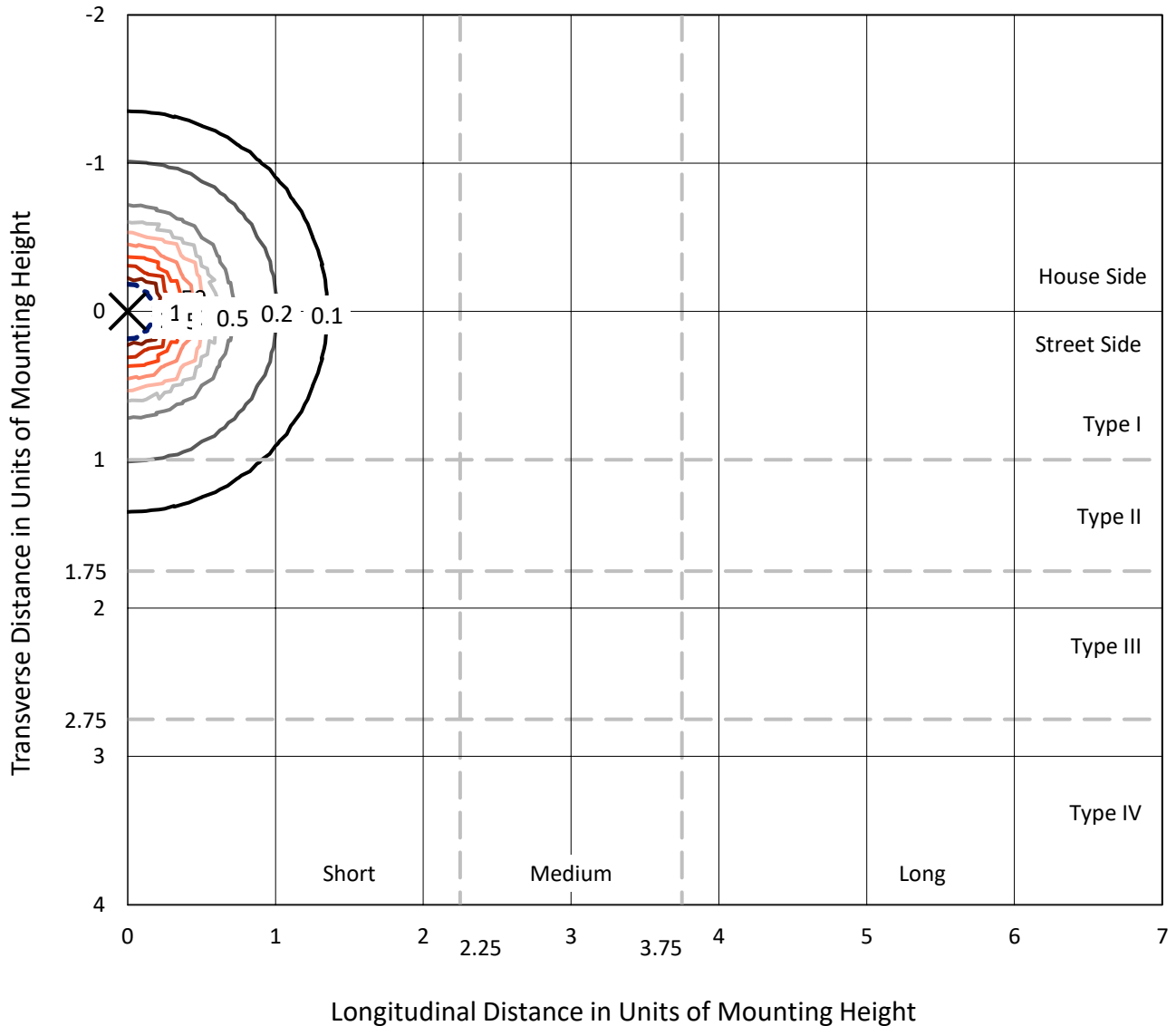
Lumens per Lamp: N/A  
Luminaire Lumens: 11085.5 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 122.4  
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

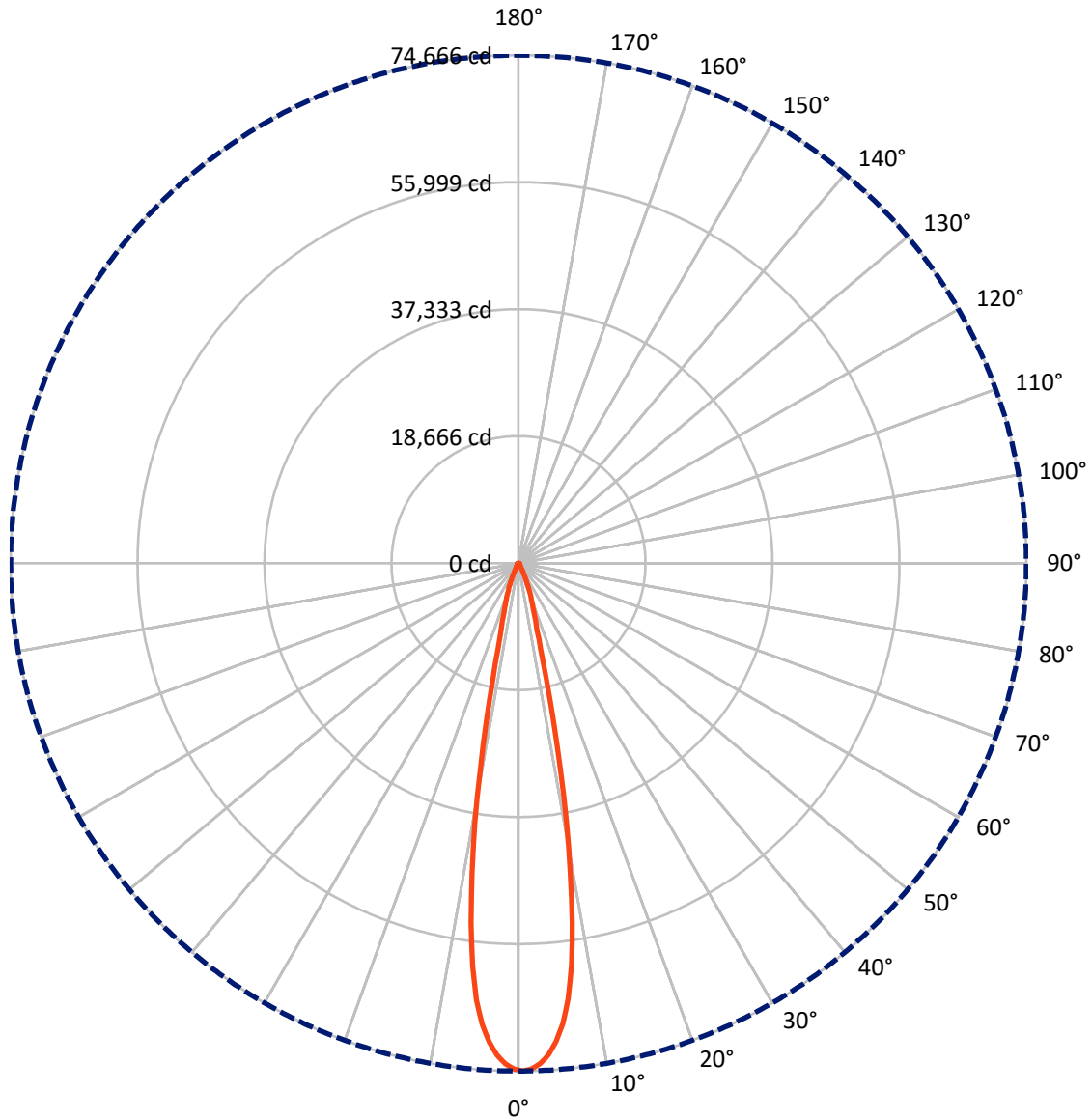
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 186.7 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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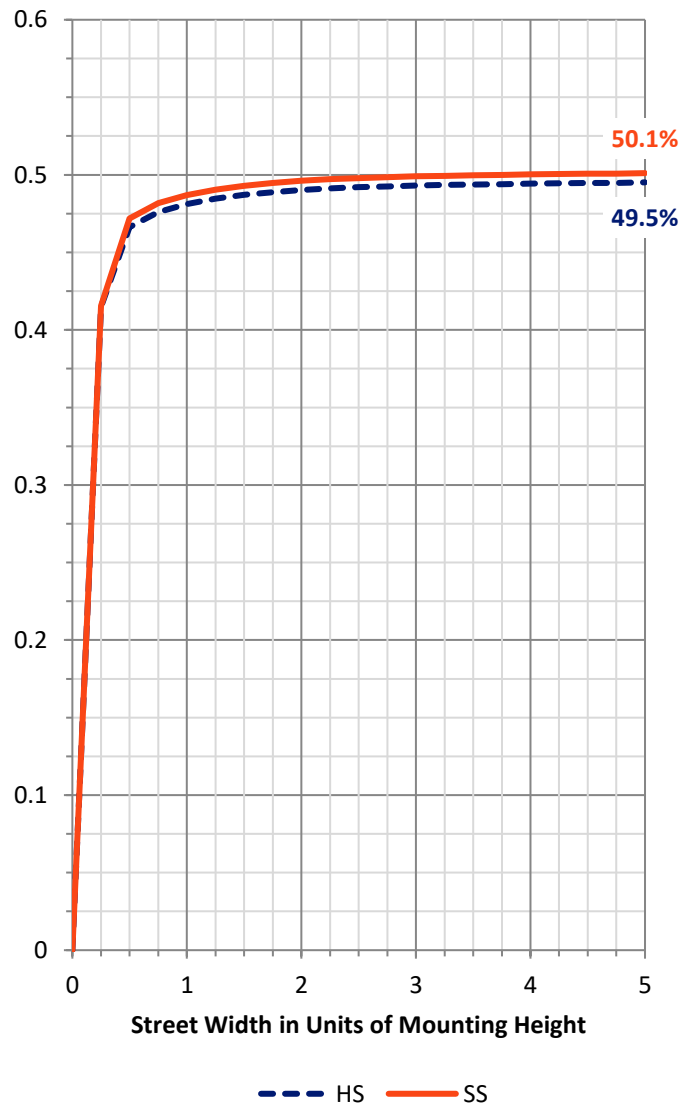
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5542.7	0.0	5542.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5542.7	0.0	5542.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11085.5	0.0	11085.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5559.2	50.1
10°-20°	3656.7	33.0
20°-30°	983.6	8.9
30°-40°	244.4	2.2
40°-50°	182.4	1.6
50°-60°	167.7	1.5
60°-70°	153.8	1.4
70°-80°	99.5	0.9
80°-90°	38.2	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°	11085.5	100.0
0°-180°	11085.5	100.0

**Coefficient of Utilization**



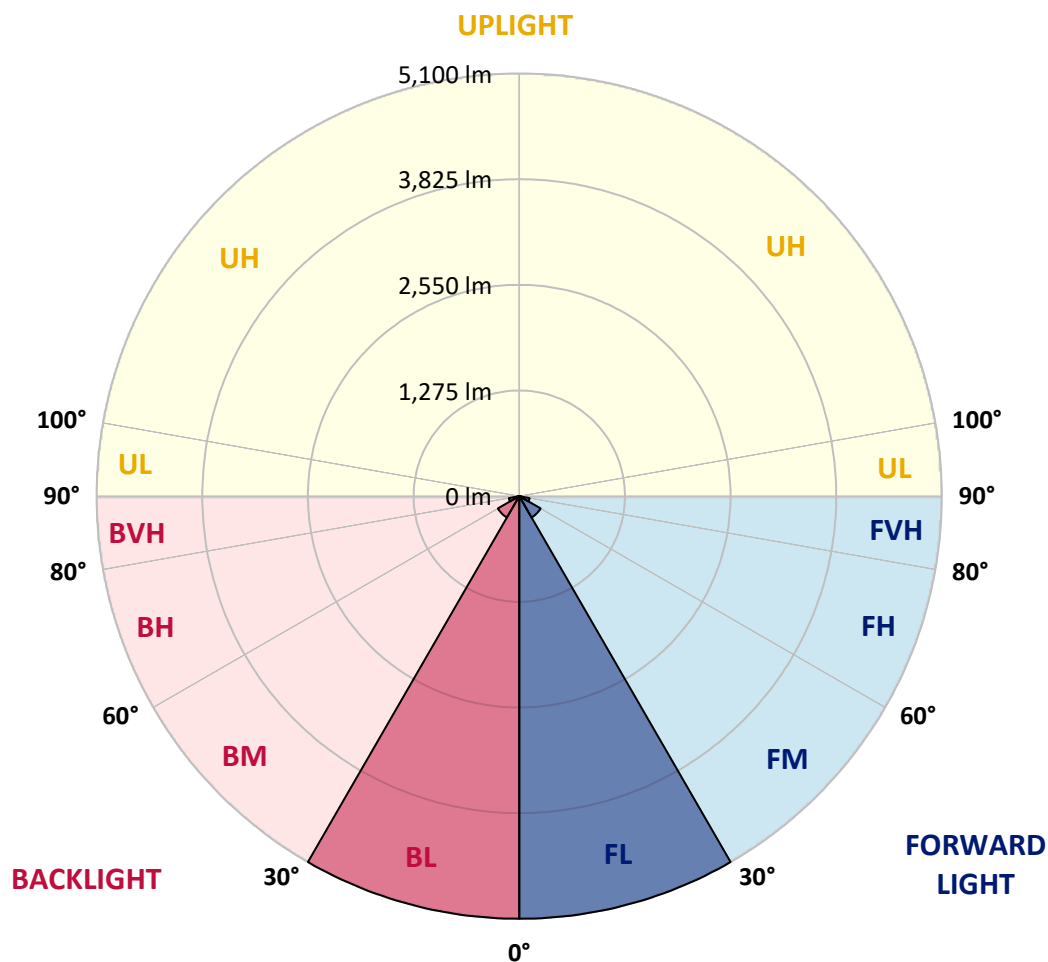
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5099.8	46.0			
FM (30°-60°)	297.2	2.7			
FH (60°-80°)	126.7	1.1			G0/660
FVH (80°-90°)	19.1	0.2			G1/100
BL (0°-30°)	5099.8	46.0	B5		
BM (30°-60°)	297.2	2.7	B1/1000		
BH (60°-80°)	126.7	1.1	B1/500		G0/660
BVH (80°-90°)	19.1	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°	74665.6
1°	74373.4
2°	73637.2
3°	72383.5
4°	70556.9
5°	68013.6
6°	64463.2
7°	59603.5
8°	53441.3
9°	46173.9
10°	38803.6
11°	30886.5
12°	23537.5
13°	17393.1
14°	13016.7
15°	10194.3
17.5°	6833.2
20°	4939.6
22.5°	3256.6
25°	1911.5
27.5°	1072.5
30°	599.1
32.5°	437.5
35°	370.6
37.5°	326.5
40°	287.3
42.5°	257.9
45°	231.8
47.5°	213.8
50°	199.2
52.5°	191.0
55°	186.1
57.5°	182.8
60°	177.9
62.5°	168.1
65°	156.7
67.5°	143.7
70°	127.3
72.5°	109.4
75°	93.0
77.5°	78.4
80°	65.3
82.5°	52.2
85°	39.2
87.5°	16.3



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)