

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: P525725

Luminaire Tested: **IFLD-M-SA4B-935-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525725  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-935-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (64) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

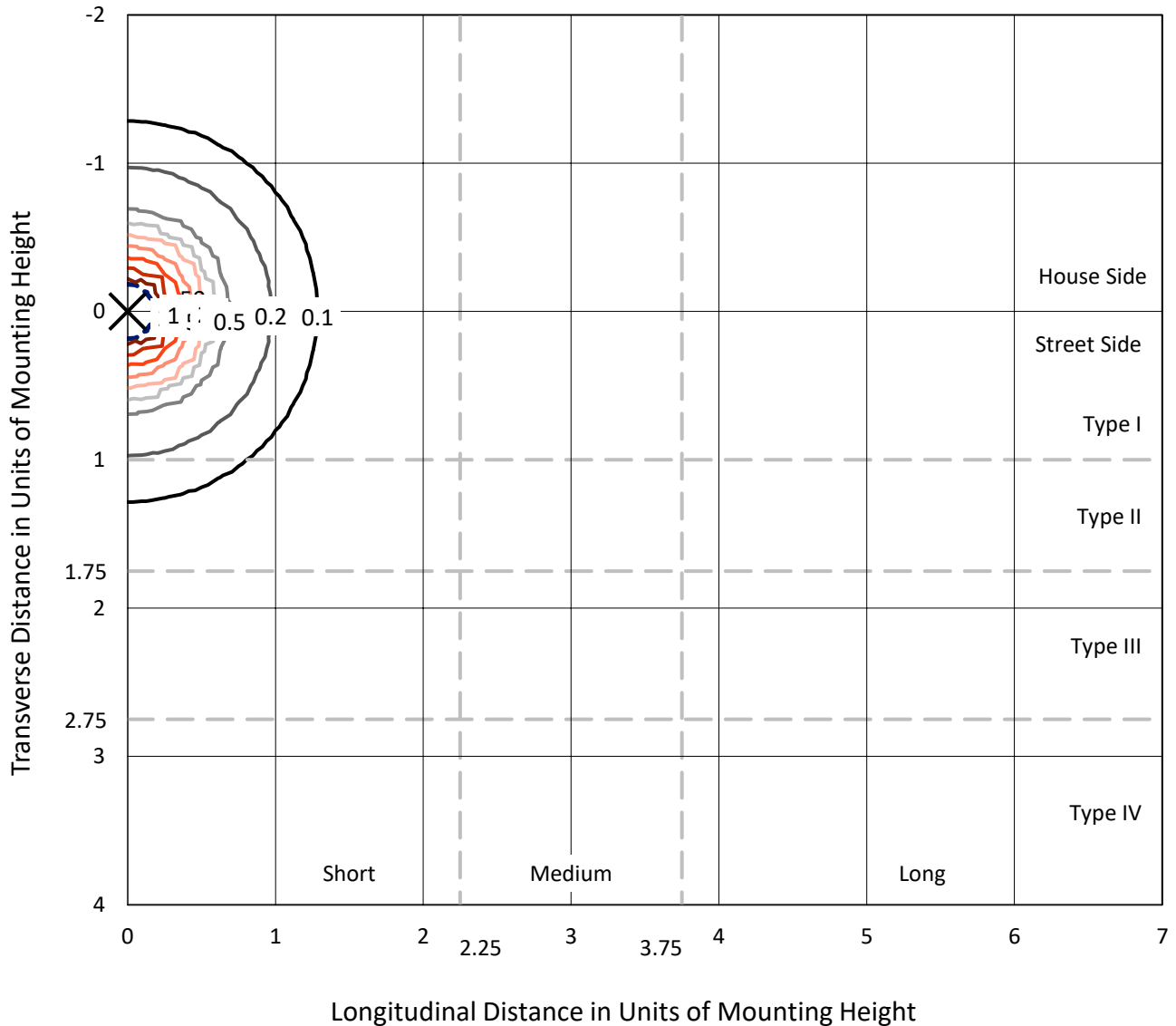
Lumens per Lamp: N/A  
Luminaire Lumens: 15437.2 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 166.1  
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

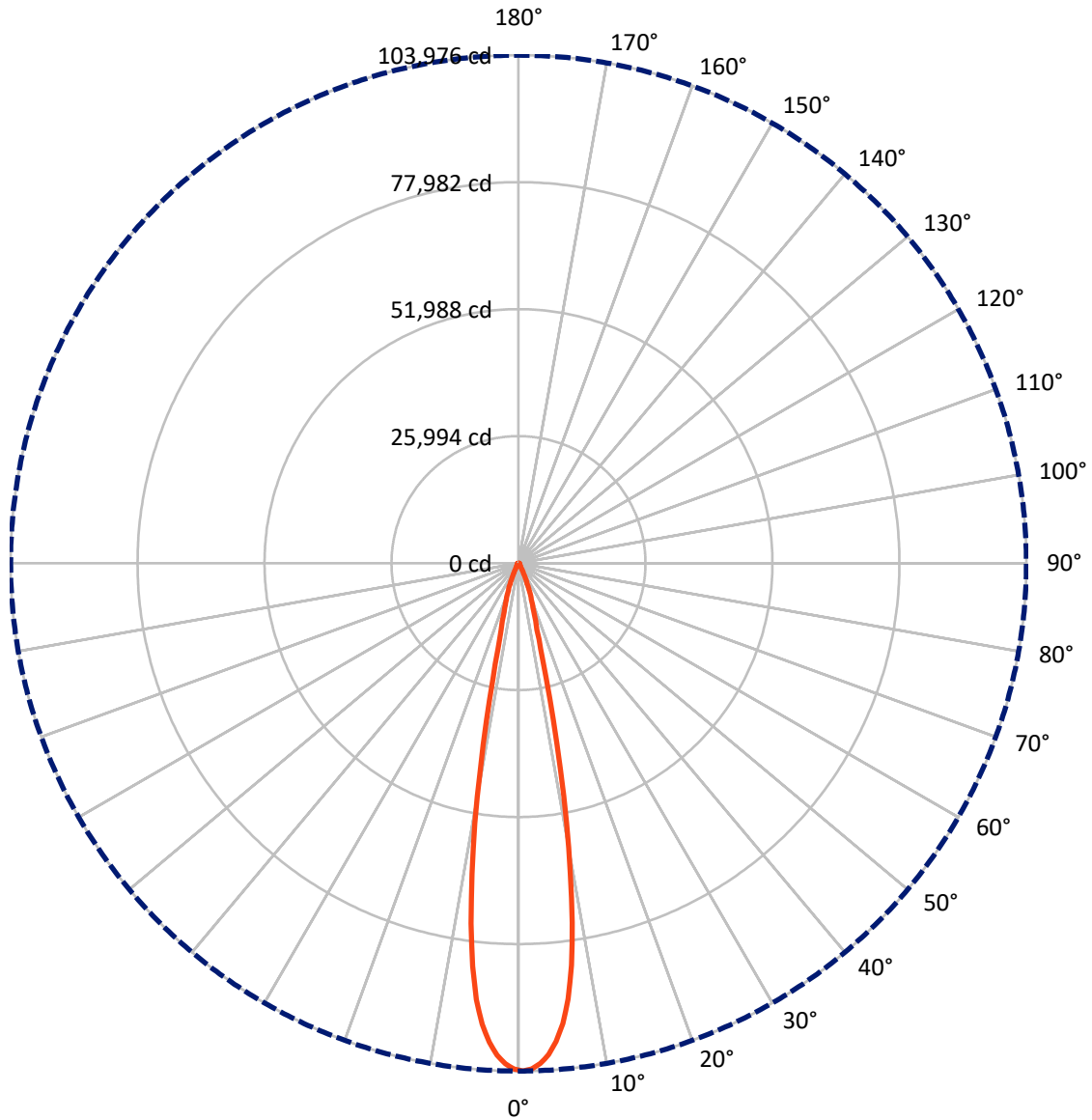
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 166.4 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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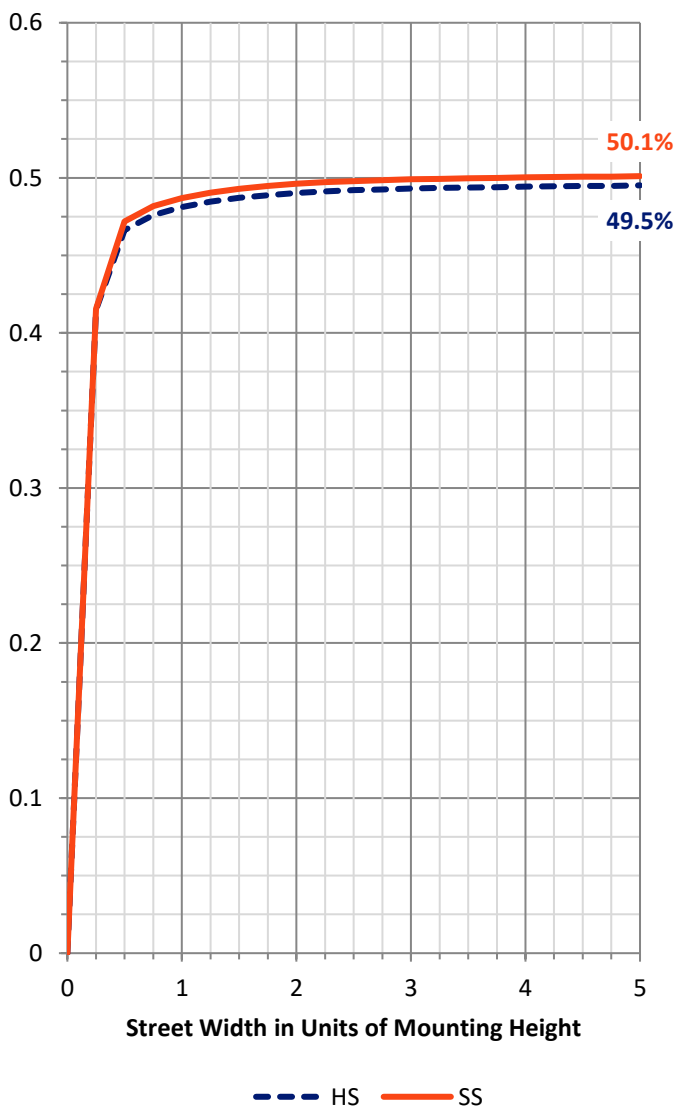
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7718.6	0.0	7718.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7718.6	0.0	7718.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15437.2	0.0	15437.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7741.6	50.1
10°-20°	5092.2	33.0
20°-30°	1369.7	8.9
30°-40°	340.3	2.2
40°-50°	254.0	1.6
50°-60°	233.5	1.5
60°-70°	214.2	1.4
70°-80°	138.5	0.9
80°-90°	53.2	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°	15437.2	100.0
0°-180°	15437.2	100.0



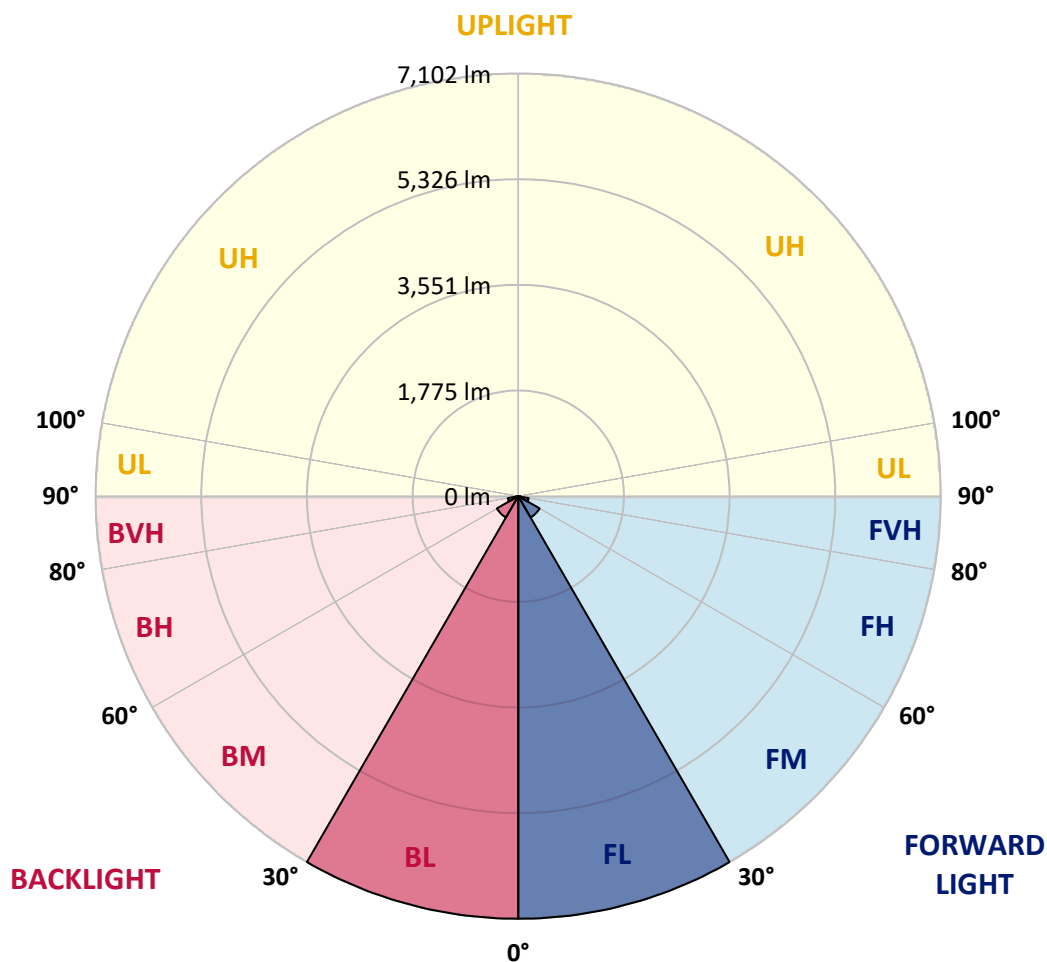
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7101.7	46.0			
FM (30°-60°)	413.9	2.7			
FH (60°-80°)	176.4	1.1			G0/660
FVH (80°-90°)	26.6	0.2			G1/100
BL (0°-30°)	7101.7	46.0	B5		
BM (30°-60°)	413.9	2.7	B1/1000		
BH (60°-80°)	176.4	1.1	B1/500		G0/660
BVH (80°-90°)	26.6	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°	103976.2
1°	103569.3
2°	102544.1
3°	100798.2
4°	98254.5
5°	94712.9
6°	89768.7
7°	83001.4
8°	74420.0
9°	64299.7
10°	54036.2
11°	43011.2
12°	32777.3
13°	24220.9
14°	18126.5
15°	14196.1
17.5°	9515.6
20°	6878.7
22.5°	4535.0
25°	2661.9
27.5°	1493.5
30°	834.3
32.5°	609.2
35°	516.0
37.5°	454.6
40°	400.1
42.5°	359.2
45°	322.8
47.5°	297.8
50°	277.3
52.5°	266.0
55°	259.1
57.5°	254.6
60°	247.8
62.5°	234.1
65°	218.2
67.5°	200.0
70°	177.3
72.5°	152.3
75°	129.6
77.5°	109.1
80°	90.9
82.5°	72.7
85°	54.6
87.5°	22.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)