

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: P525920

Luminaire Tested: **IFLD-M-SA4B-935-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525920  
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-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (64) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

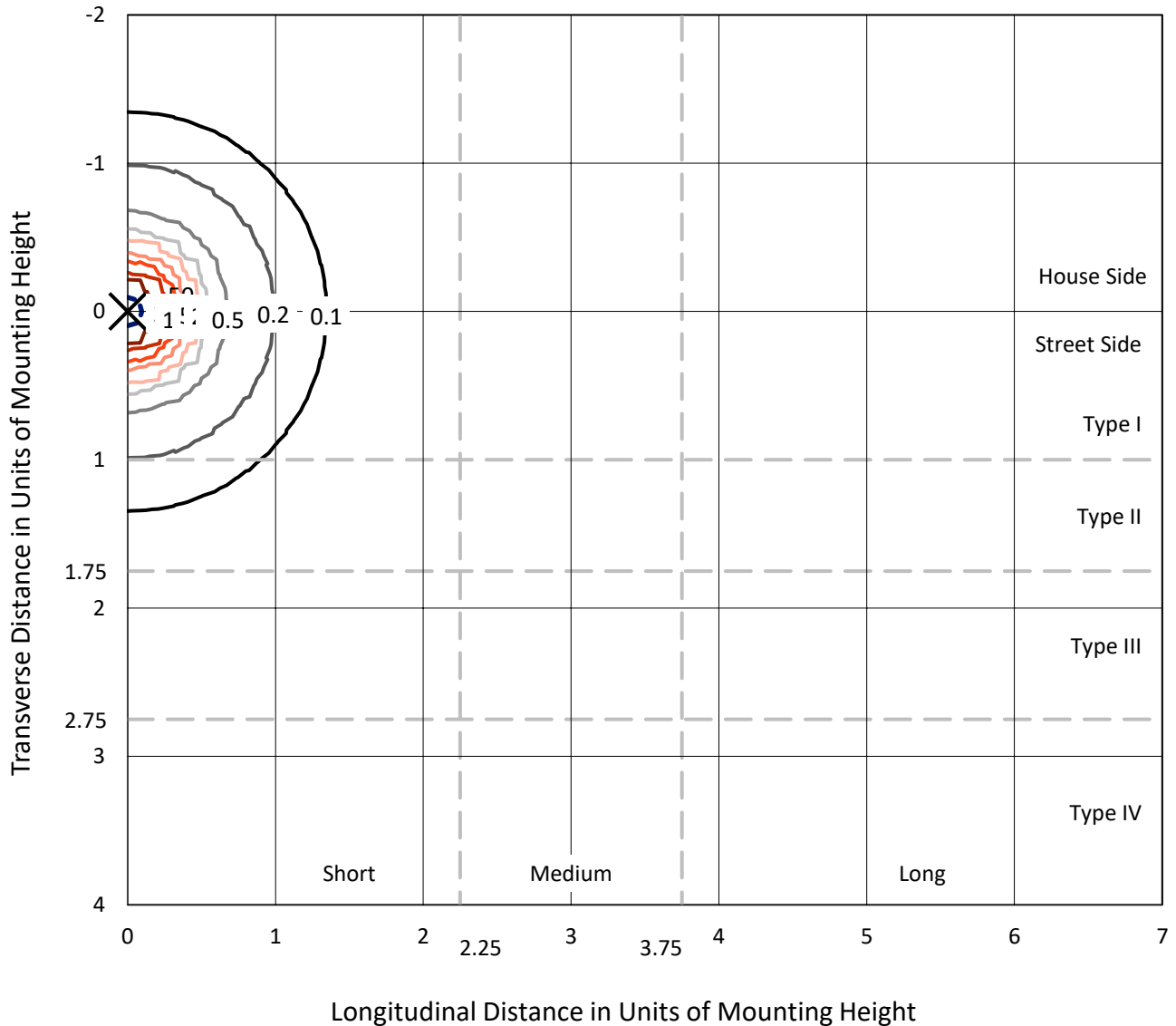
Lumens per Lamp: N/A  
Luminaire Lumens: 15494.5 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

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

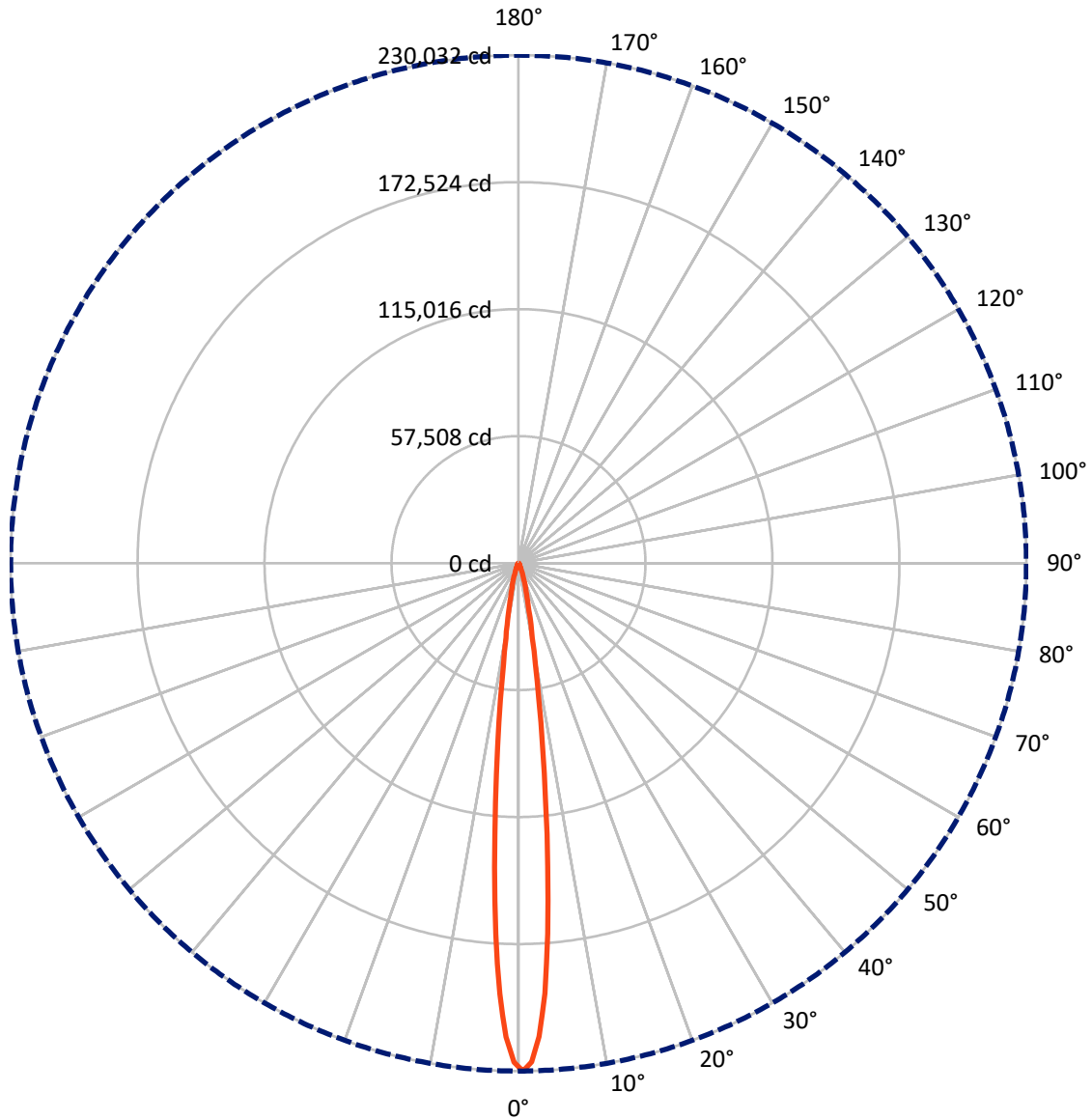
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 368.1 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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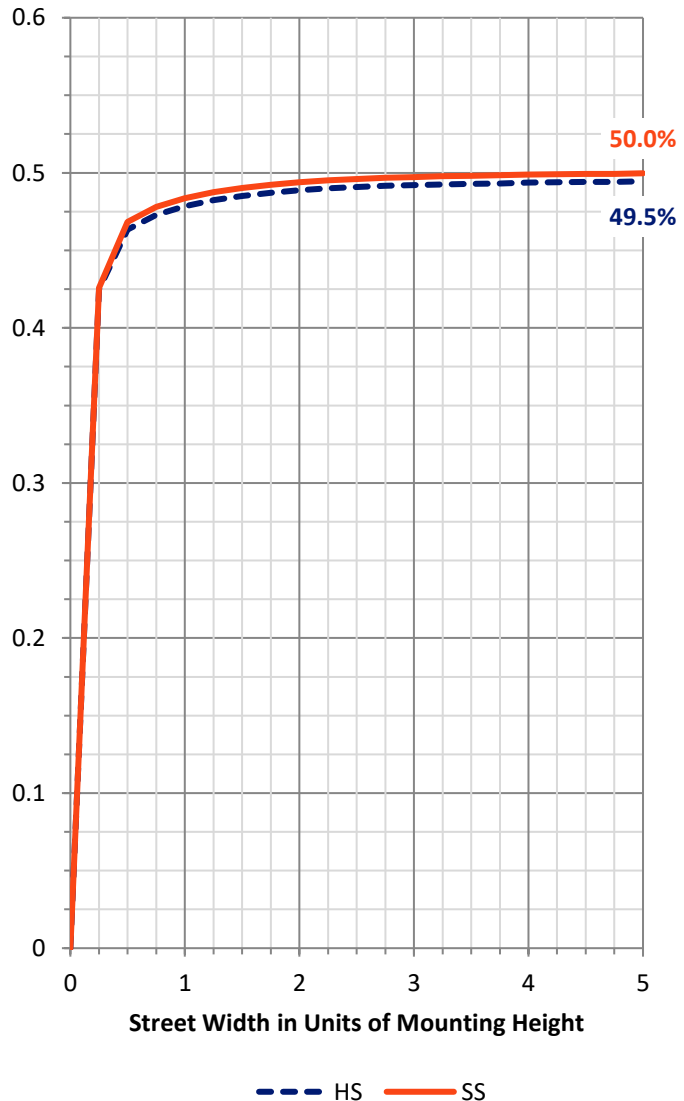
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7747.3	0.0	7747.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7747.3	0.0	7747.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15494.5	0.0	15494.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9507.1	61.4
10°-20°	3783.0	24.4
20°-30°	872.3	5.6
30°-40°	331.2	2.1
40°-50°	270.3	1.7
50°-60°	259.6	1.7
60°-70°	248.7	1.6
70°-80°	164.6	1.1
80°-90°	57.8	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°	15494.5	100.0
0°-180°	15494.5	100.0

**Coefficient of Utilization**



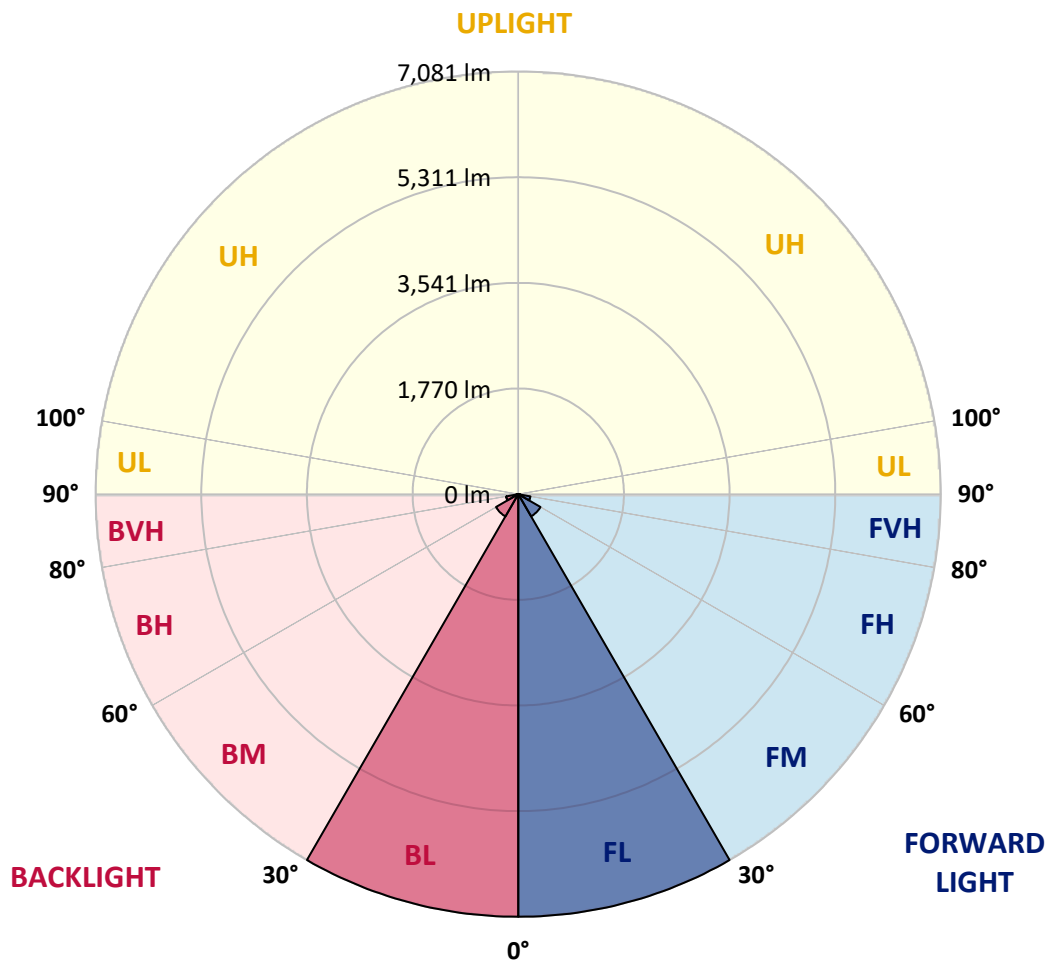
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7081.2	45.7			
FM (30°-60°)	430.5	2.8			
FH (60°-80°)	206.6	1.3			G0/660
FVH (80°-90°)	28.9	0.2			G1/100
BL (0°-30°)	7081.2	45.7	B5		
BM (30°-60°)	430.5	2.8	B1/1000		
BH (60°-80°)	206.6	1.3	B1/500		G0/660
BVH (80°-90°)	28.9	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°	230031.9
1°	225985.3
2°	214650.2
3°	195181.0
4°	168411.9
5°	138228.3
6°	108672.1
7°	83248.9
8°	62133.7
9°	46324.7
10°	34546.3
12.5°	18828.1
15°	12080.7
17.5°	8152.3
20°	4846.8
22.5°	2696.2
25°	1541.4
27.5°	977.6
30°	704.7
32.5°	575.2
35°	511.5
37.5°	475.1
40°	427.4
42.5°	379.7
45°	338.7
47.5°	318.3
50°	304.6
52.5°	295.5
55°	288.7
57.5°	284.2
60°	275.1
62.5°	268.3
65°	254.6
67.5°	236.4
70°	213.7
72.5°	184.1
75°	154.6
77.5°	127.3
80°	102.3
82.5°	79.6
85°	59.1
87.5°	22.7
90°	0.0

(END OF REPORT)