

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: P525921

Luminaire Tested: **IFLD-M-SA4C-935-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525921  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-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**

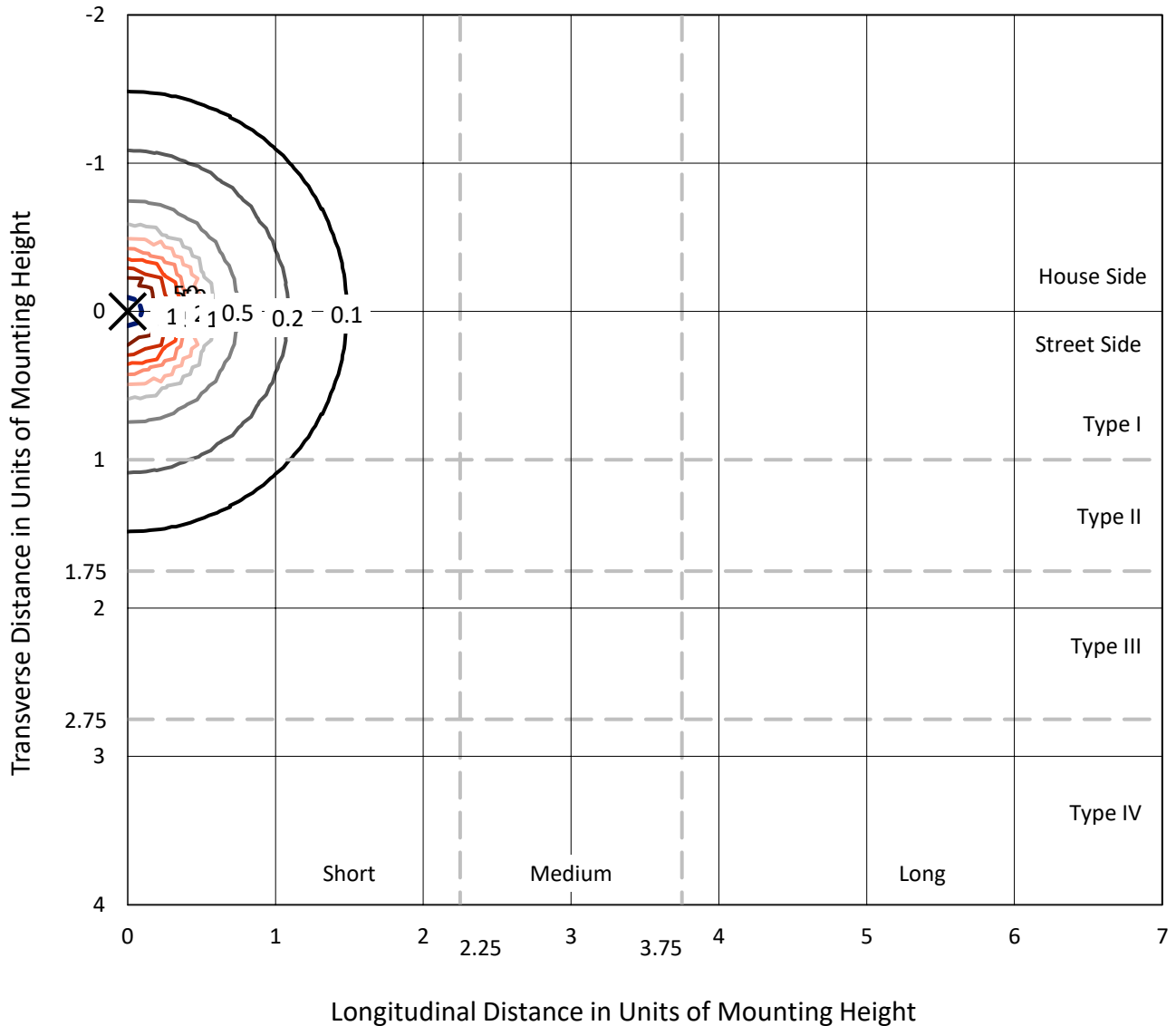
Lumens per Lamp: N/A  
Luminaire Lumens: 19288.4 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 218.1  
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

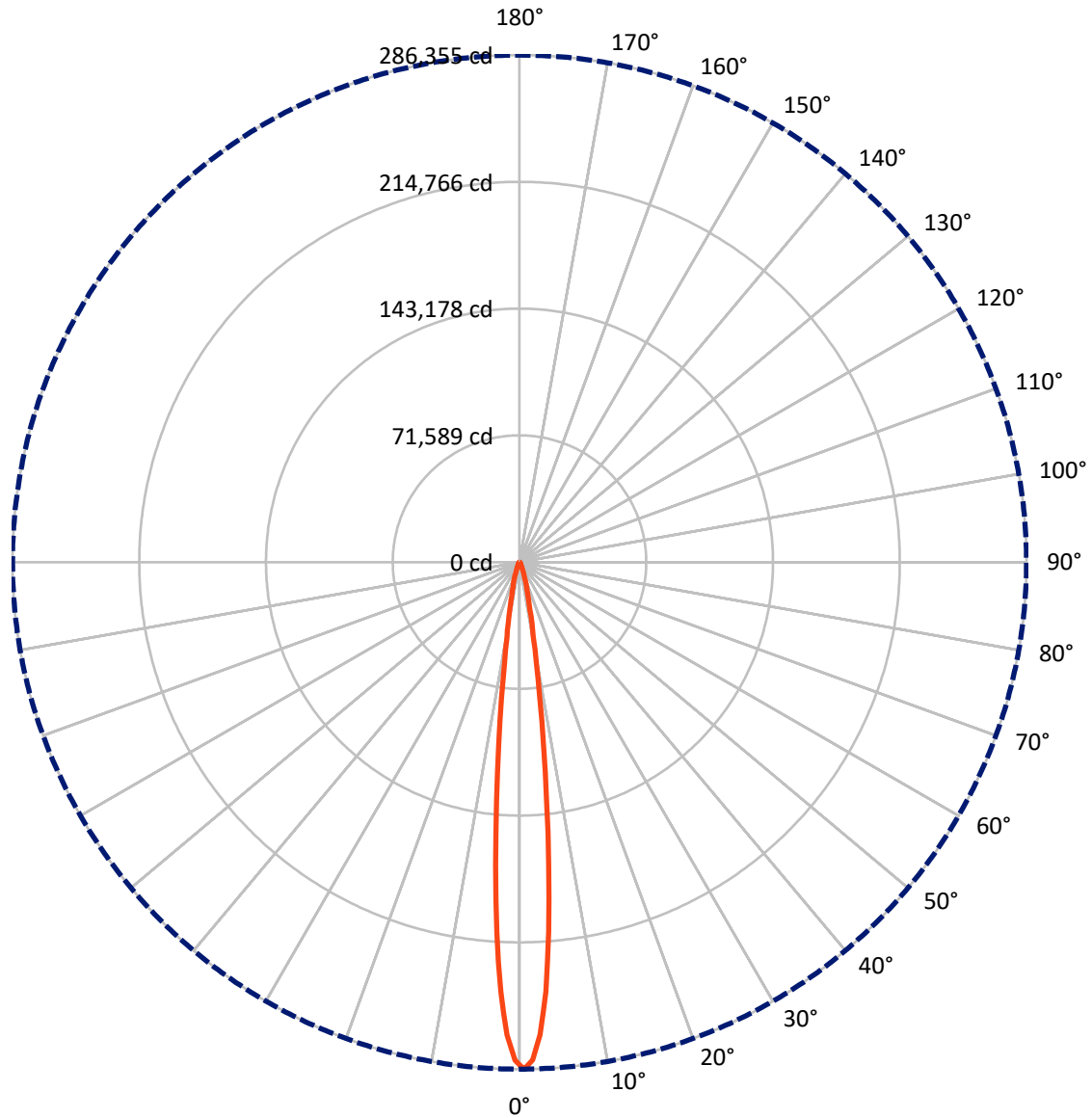
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 458.2 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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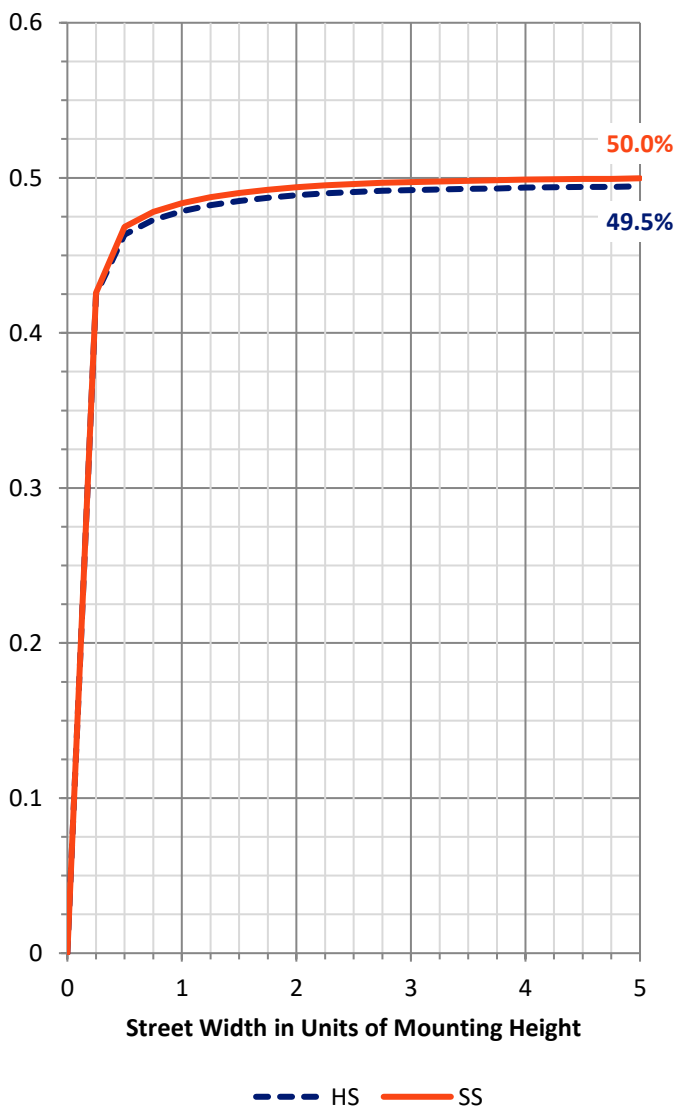
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9644.2	0.0	9644.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9644.2	0.0	9644.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19288.4	0.0	19288.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11834.9	61.4
10°-20°	4709.3	24.4
20°-30°	1085.8	5.6
30°-40°	412.3	2.1
40°-50°	336.4	1.7
50°-60°	323.1	1.7
60°-70°	309.6	1.6
70°-80°	204.9	1.1
80°-90°	72.0	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°	19288.4	100.0
0°-180°	19288.4	100.0

**Coefficient of Utilization**



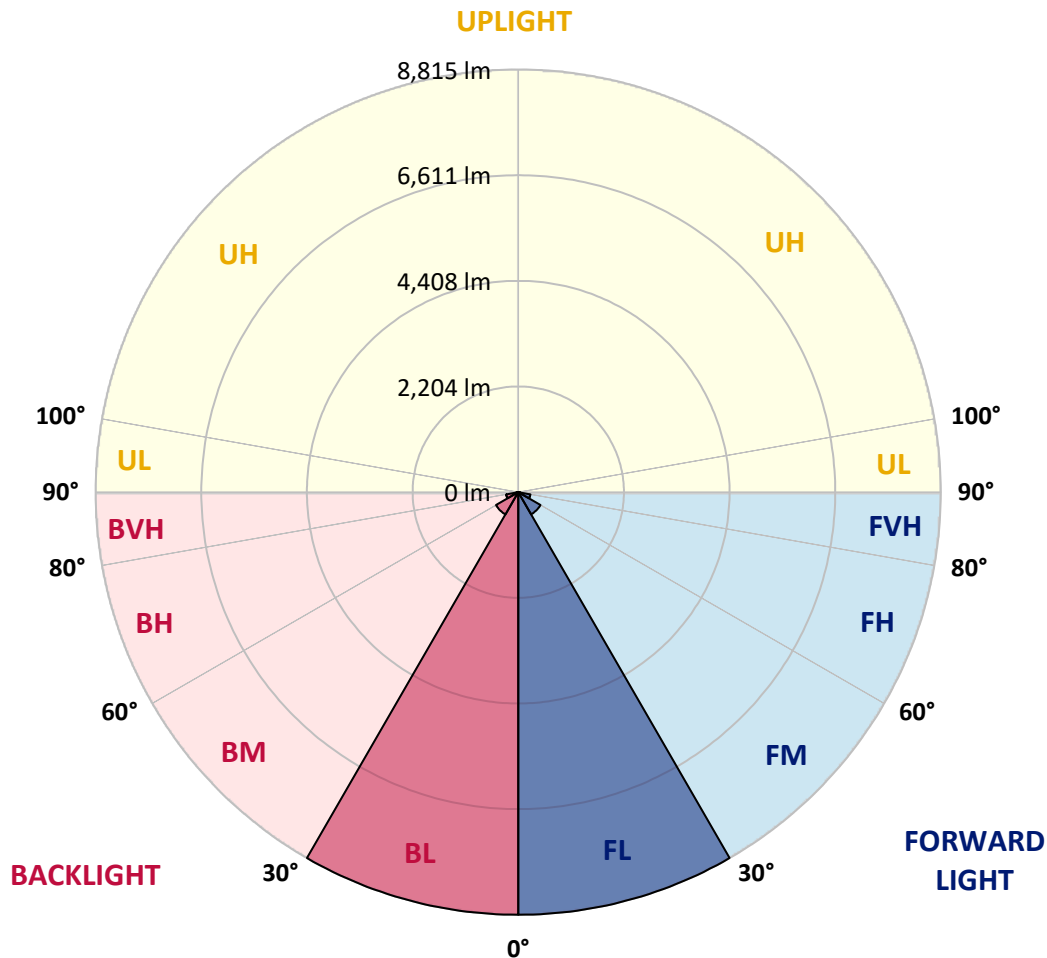
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8815.0	45.7			
FM (30°-60°)	535.9	2.8			
FH (60°-80°)	257.2	1.3			G0/660
FVH (80°-90°)	36.0	0.2			G1/100
BL (0°-30°)	8815.0	45.7	B5		
BM (30°-60°)	535.9	2.8	B1/1000		
BH (60°-80°)	257.2	1.3	B1/500		G0/660
BVH (80°-90°)	36.0	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°	286355.2
1°	281317.8
2°	267207.3
3°	242971.1
4°	209647.6
5°	172073.5
6°	135280.4
7°	103632.4
8°	77347.2
9°	57667.2
10°	43004.9
12.5°	23438.2
15°	15038.7
17.5°	10148.4
20°	6033.6
22.5°	3356.4
25°	1918.8
27.5°	1216.9
30°	877.3
32.5°	716.0
35°	636.8
37.5°	591.5
40°	532.0
42.5°	472.6
45°	421.7
47.5°	396.2
50°	379.2
52.5°	367.9
55°	359.4
57.5°	353.8
60°	342.4
62.5°	333.9
65°	317.0
67.5°	294.3
70°	266.0
72.5°	229.2
75°	192.4
77.5°	158.5
80°	127.4
82.5°	99.1
85°	73.6
87.5°	28.3
90°	0.0

(END OF REPORT)