

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: P525701

Luminaire Tested: **IFLD-S-SA2C-935-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525701  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-935-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (32) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

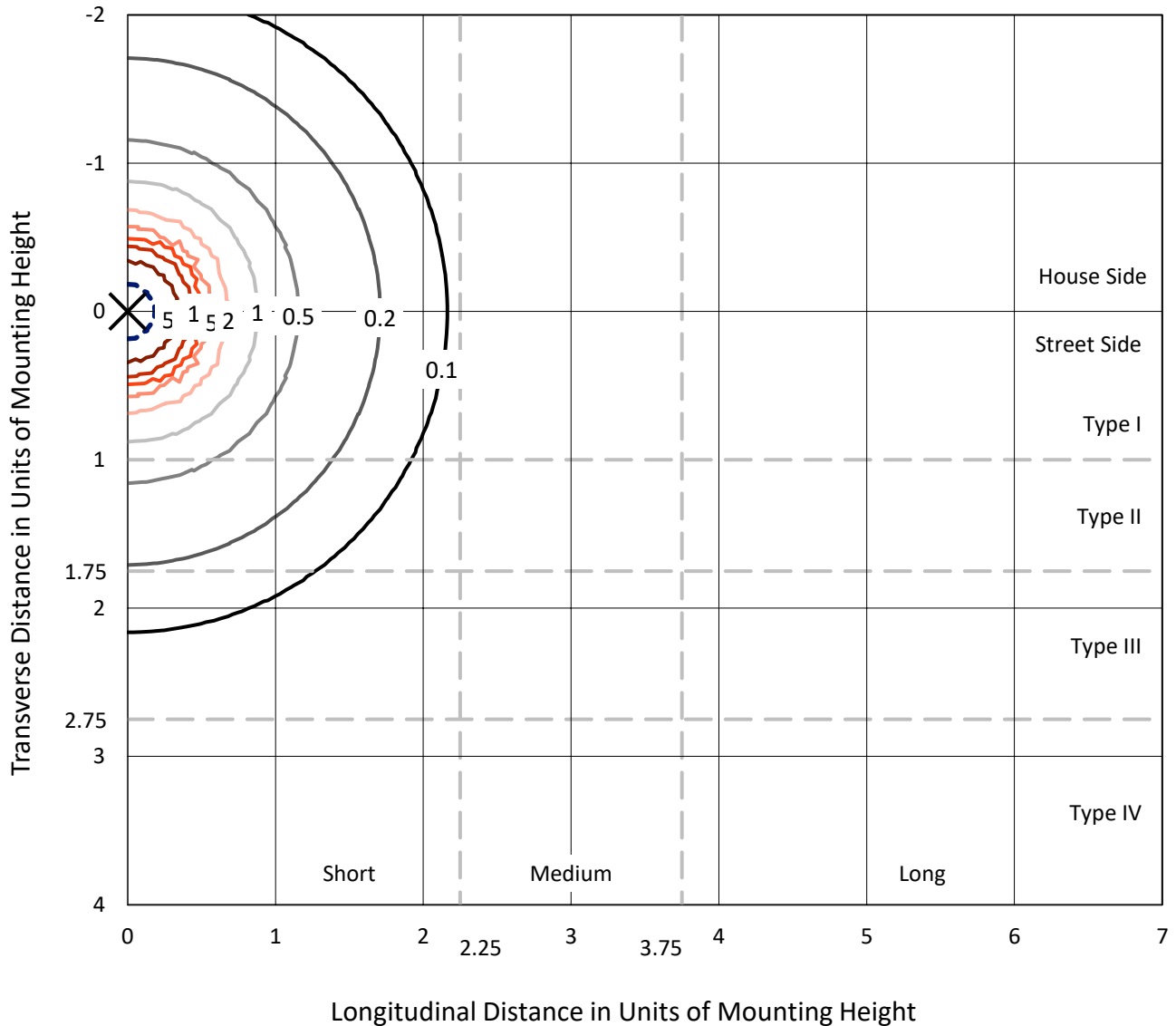
Lumens per Lamp: N/A  
Luminaire Lumens: 9606.8 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2  
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

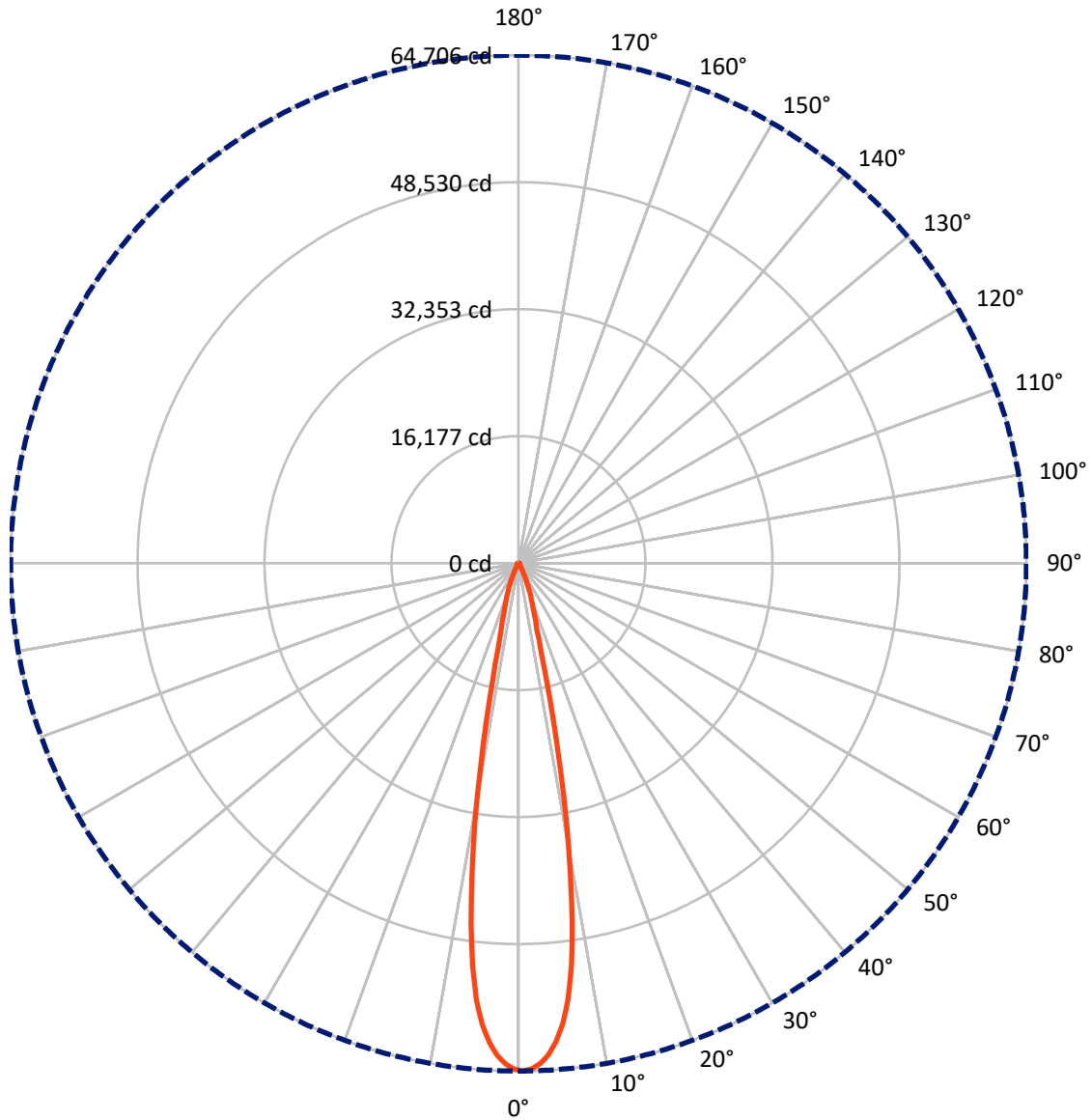
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 647.1 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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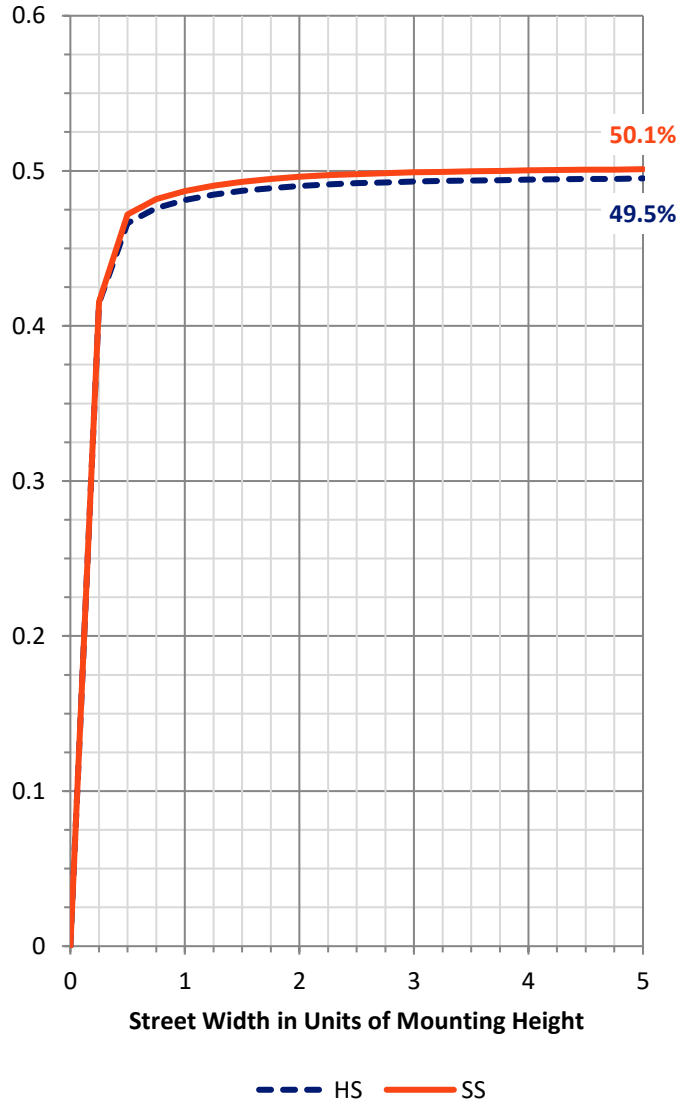
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4803.4	0.0	4803.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4803.4	0.0	4803.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9606.8	0.0	9606.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4817.7	50.1
10°-20°	3168.9	33.0
20°-30°	852.4	8.9
30°-40°	211.8	2.2
40°-50°	158.0	1.6
50°-60°	145.3	1.5
60°-70°	133.3	1.4
70°-80°	86.2	0.9
80°-90°	33.1	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°	9606.8	100.0
0°-180°	9606.8	100.0

**Coefficient of Utilization**



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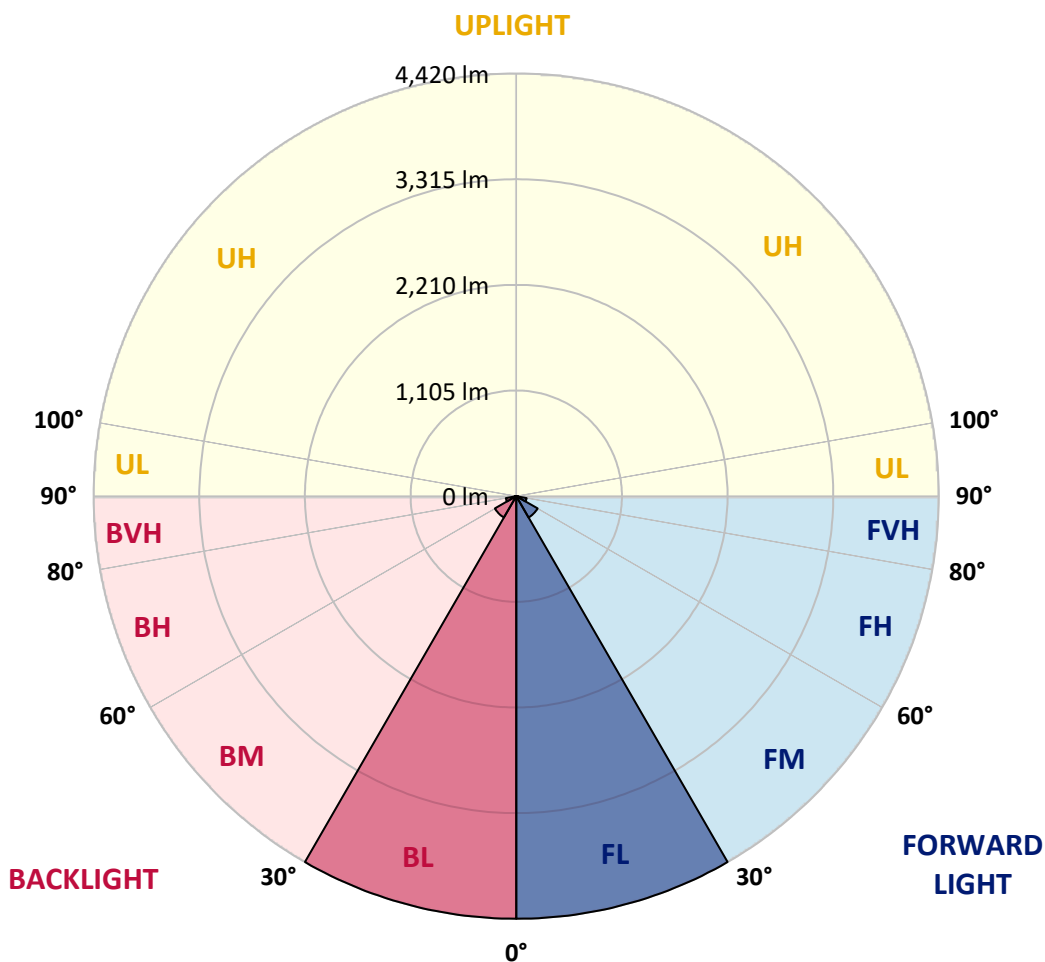
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4419.5	46.0			
FM (30°-60°)	257.6	2.7			
FH (60°-80°)	109.8	1.1			G0/660
FVH (80°-90°)	16.6	0.2			G1/100
BL (0°-30°)	4419.5	46.0	B4/5000		
BM (30°-60°)	257.6	2.7	B1/1000		
BH (60°-80°)	109.8	1.1	B0/110		G0/660
BVH (80°-90°)	16.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	64706.3
1°	64453.0
2°	63815.0
3°	62728.6
4°	61145.6
5°	58941.6
6°	55864.7
7°	51653.3
8°	46312.9
9°	40014.9
10°	33627.7
11°	26766.7
12°	20397.9
13°	15073.1
14°	11280.4
15°	8834.5
17.5°	5921.7
20°	4280.7
22.5°	2822.2
25°	1656.6
27.5°	929.4
30°	519.2
32.5°	379.1
35°	321.1
37.5°	282.9
40°	249.0
42.5°	223.5
45°	200.9
47.5°	185.3
50°	172.6
52.5°	165.5
55°	161.3
57.5°	158.4
60°	154.2
62.5°	145.7
65°	135.8
67.5°	124.5
70°	110.3
72.5°	94.8
75°	80.6
77.5°	67.9
80°	56.6
82.5°	45.3
85°	34.0
87.5°	14.1



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**CANDELA DISTRIBUTION (continued):**



(END OF REPORT)