

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: P525719

Luminaire Tested: **IFLD-S-SA6A-935-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525719  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-935-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (96) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

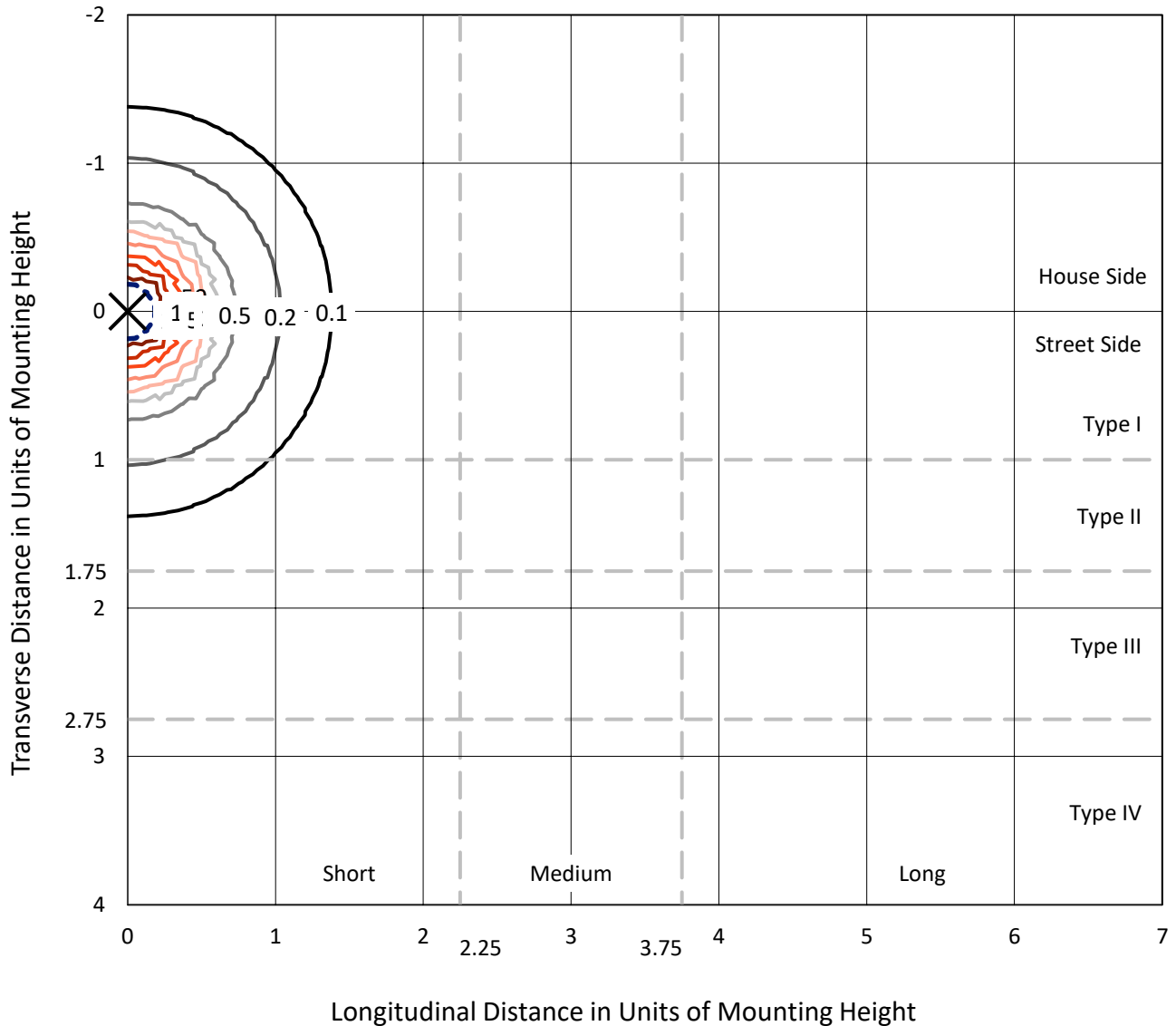
Lumens per Lamp: N/A  
Luminaire Lumens: 18242.6 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6  
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

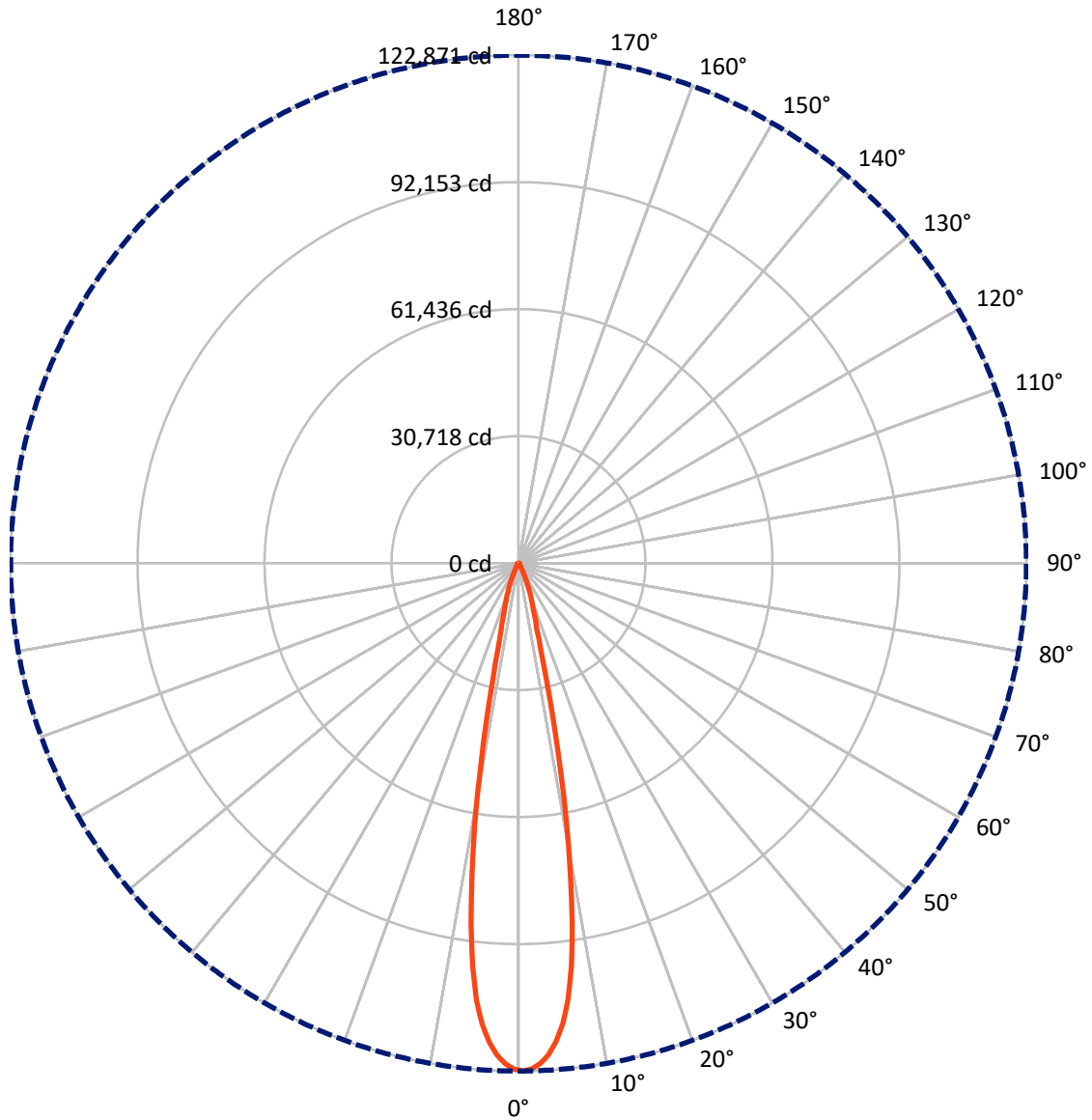
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 196.6 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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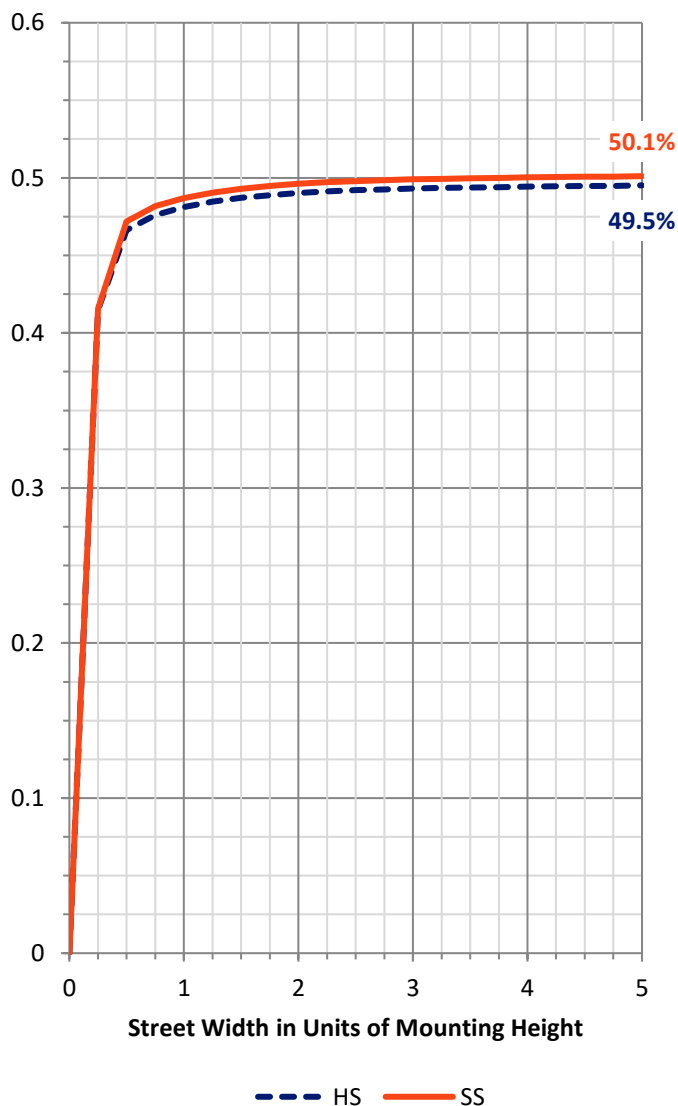
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9121.3	0.0	9121.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9121.3	0.0	9121.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18242.6	0.0	18242.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9148.4	50.1
10°-20°	6017.5	33.0
20°-30°	1618.6	8.9
30°-40°	402.2	2.2
40°-50°	300.1	1.6
50°-60°	276.0	1.5
60°-70°	253.1	1.4
70°-80°	163.7	0.9
80°-90°	62.9	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°	18242.6	100.0
0°-180°	18242.6	100.0

**Coefficient of Utilization**



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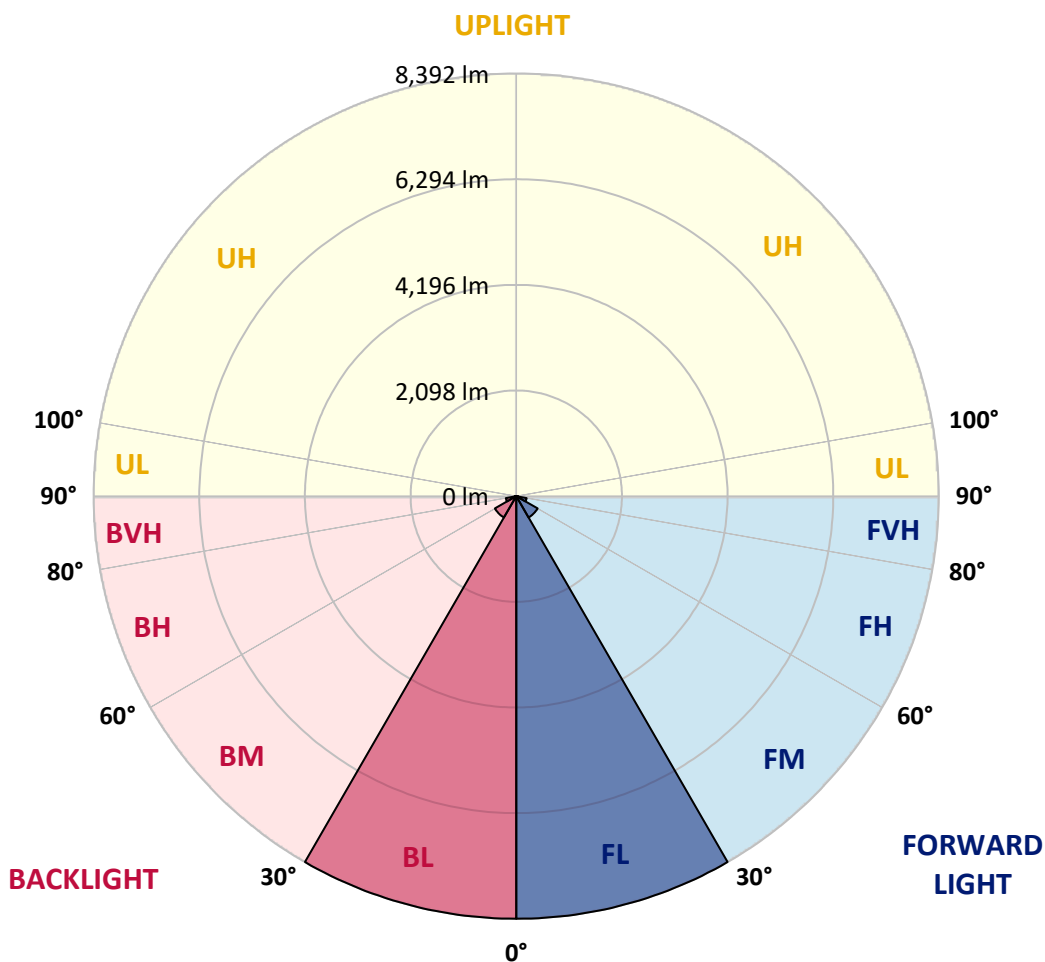
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8392.3	46.0			
FM (30°-60°)	489.1	2.7			
FH (60°-80°)	208.4	1.1			G0/660
FVH (80°-90°)	31.5	0.2			G1/100
BL (0°-30°)	8392.3	46.0	B5		
BM (30°-60°)	489.1	2.7	B1/1000		
BH (60°-80°)	208.4	1.1	B1/500		G0/660
BVH (80°-90°)	31.5	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°	122871.2
1°	122390.4
2°	121178.9
3°	119115.8
4°	116109.8
5°	111924.6
6°	106081.9
7°	98084.8
8°	87944.0
9°	75984.6
10°	63856.0
11°	50827.4
12°	38733.7
13°	28622.5
14°	21420.5
15°	16775.9
17.5°	11244.8
20°	8128.7
22.5°	5359.2
25°	3145.7
27.5°	1764.9
30°	985.9
32.5°	719.9
35°	609.8
37.5°	537.3
40°	472.8
42.5°	424.4
45°	381.5
47.5°	351.9
50°	327.7
52.5°	314.3
55°	306.2
57.5°	300.9
60°	292.8
62.5°	276.7
65°	257.9
67.5°	236.4
70°	209.5
72.5°	180.0
75°	153.1
77.5°	128.9
80°	107.5
82.5°	86.0
85°	64.5
87.5°	26.9



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**CANDELA DISTRIBUTION (continued):**



(END OF REPORT)