

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: P525914

Luminaire Tested: **IFLD-S-SA6A-935-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525914  
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-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (96) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

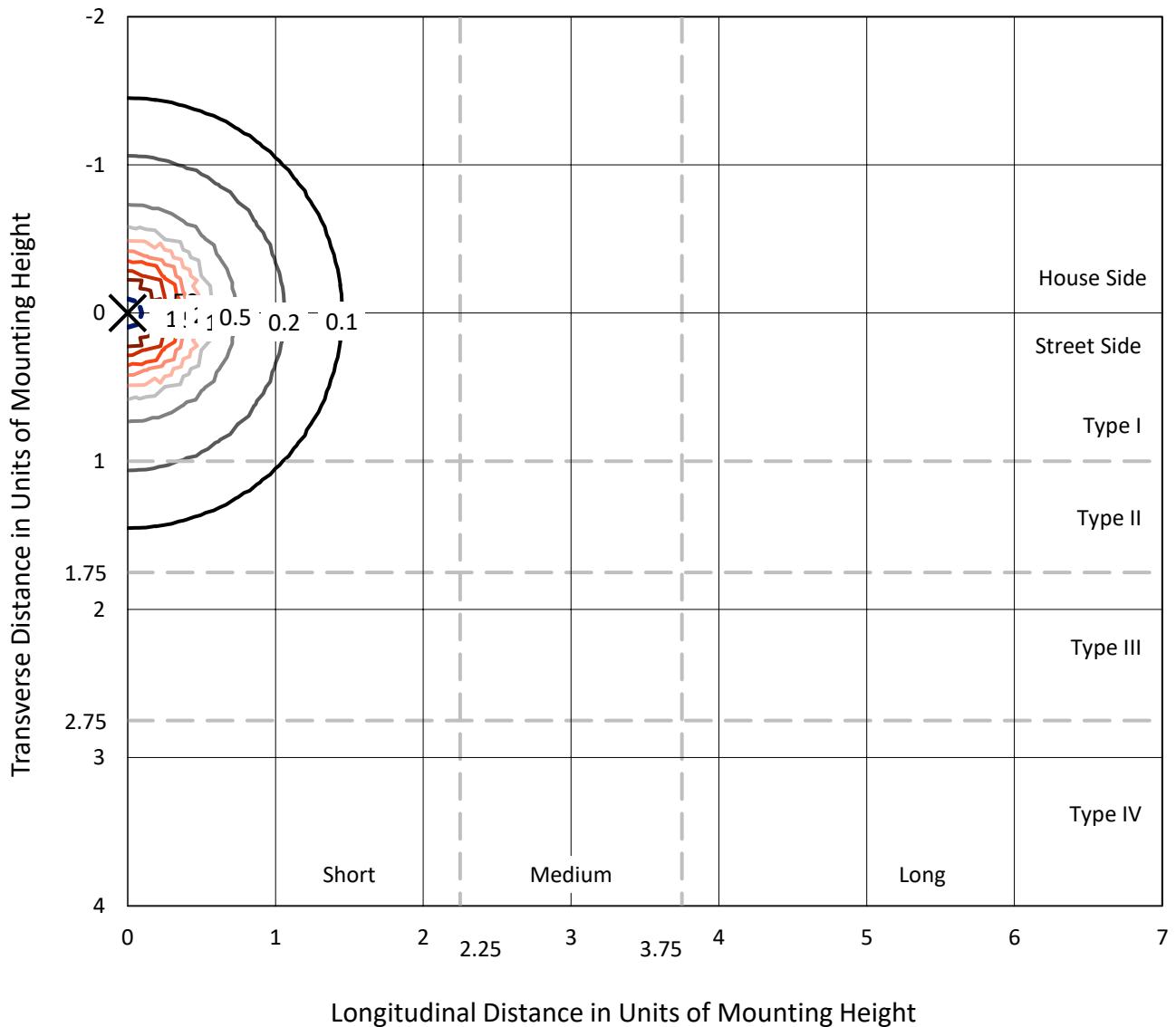
Lumens per Lamp: N/A  
Luminaire Lumens: 18310.3 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

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

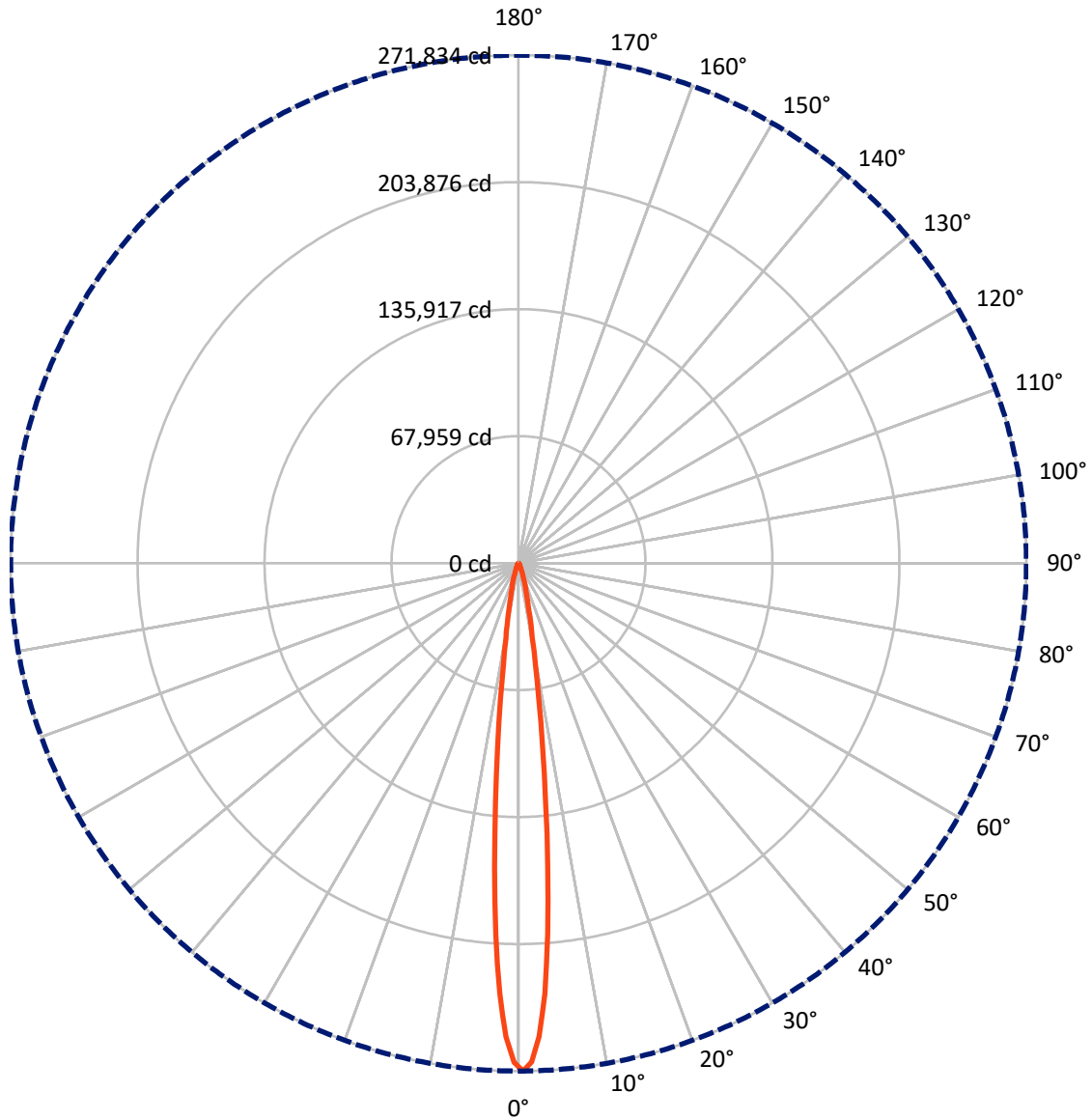
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 434.9 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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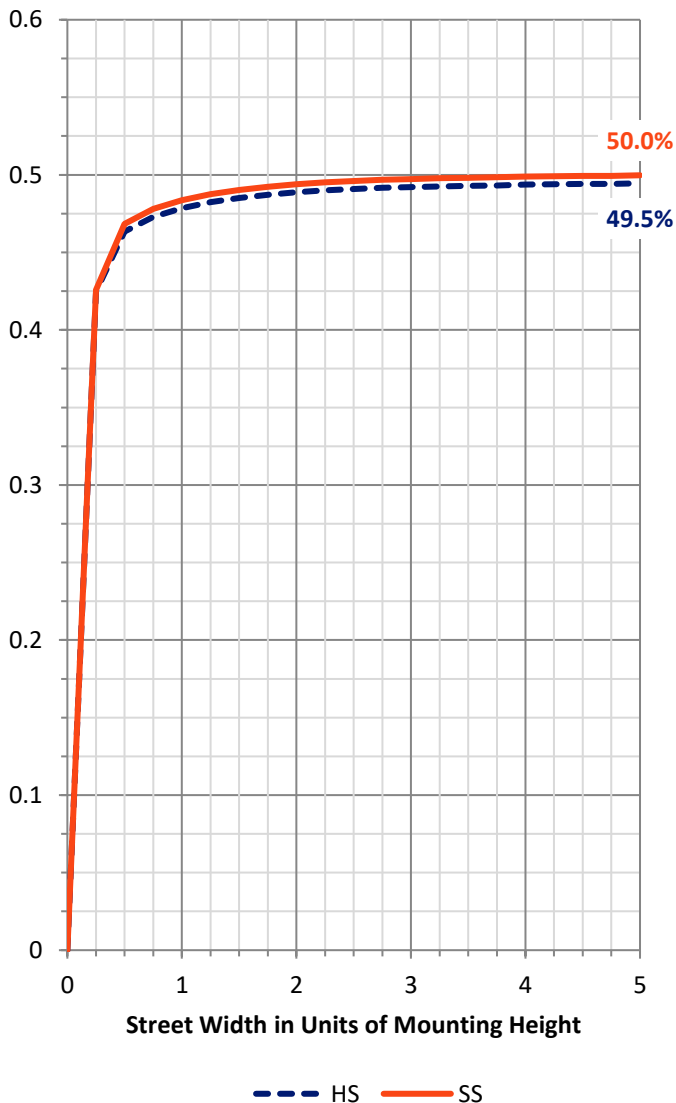
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9155.1	0.0	9155.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9155.1	0.0	9155.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18310.3	0.0	18310.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11234.8	61.4
10°-20°	4470.5	24.4
20°-30°	1030.8	5.6
30°-40°	391.4	2.1
40°-50°	319.4	1.7
50°-60°	306.7	1.7
60°-70°	293.9	1.6
70°-80°	194.5	1.1
80°-90°	68.3	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°	18310.3	100.0
0°-180°	18310.3	100.0



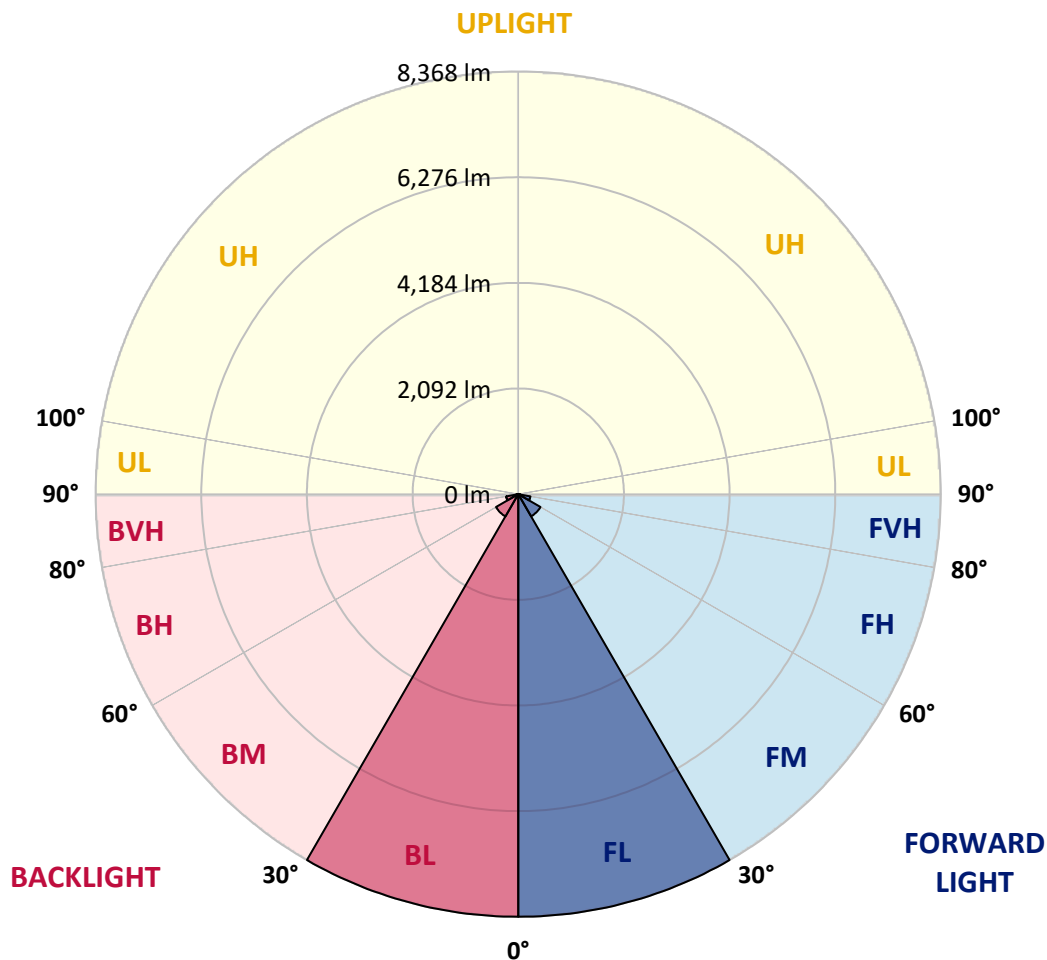
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8368.0	45.7			
FM (30°-60°)	508.7	2.8			
FH (60°-80°)	244.2	1.3			G0/660
FVH (80°-90°)	34.2	0.2			G1/100
BL (0°-30°)	8368.0	45.7	B5		
BM (30°-60°)	508.7	2.8	B1/1000		
BH (60°-80°)	244.2	1.3	B1/500		G0/660
BVH (80°-90°)	34.2	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°	271834.4
1°	267052.4
2°	253657.5
3°	230650.2
4°	199016.6
5°	163347.8
6°	128420.5
7°	98377.3
8°	73425.0
9°	54743.0
10°	40824.2
12.5°	22249.7
15°	14276.1
17.5°	9633.8
20°	5727.6
22.5°	3186.2
25°	1821.5
27.5°	1155.2
30°	832.8
32.5°	679.7
35°	604.5
37.5°	561.5
40°	505.1
42.5°	448.6
45°	400.3
47.5°	376.1
50°	360.0
52.5°	349.2
55°	341.2
57.5°	335.8
60°	325.1
62.5°	317.0
65°	300.9
67.5°	279.4
70°	252.5
72.5°	217.6
75°	182.7
77.5°	150.4
80°	120.9
82.5°	94.0
85°	69.8
87.5°	26.9
90°	0.0

(END OF REPORT)