

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: P525736

Luminaire Tested: **IFLD-L-SA8C-935-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525736  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-935-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (128) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

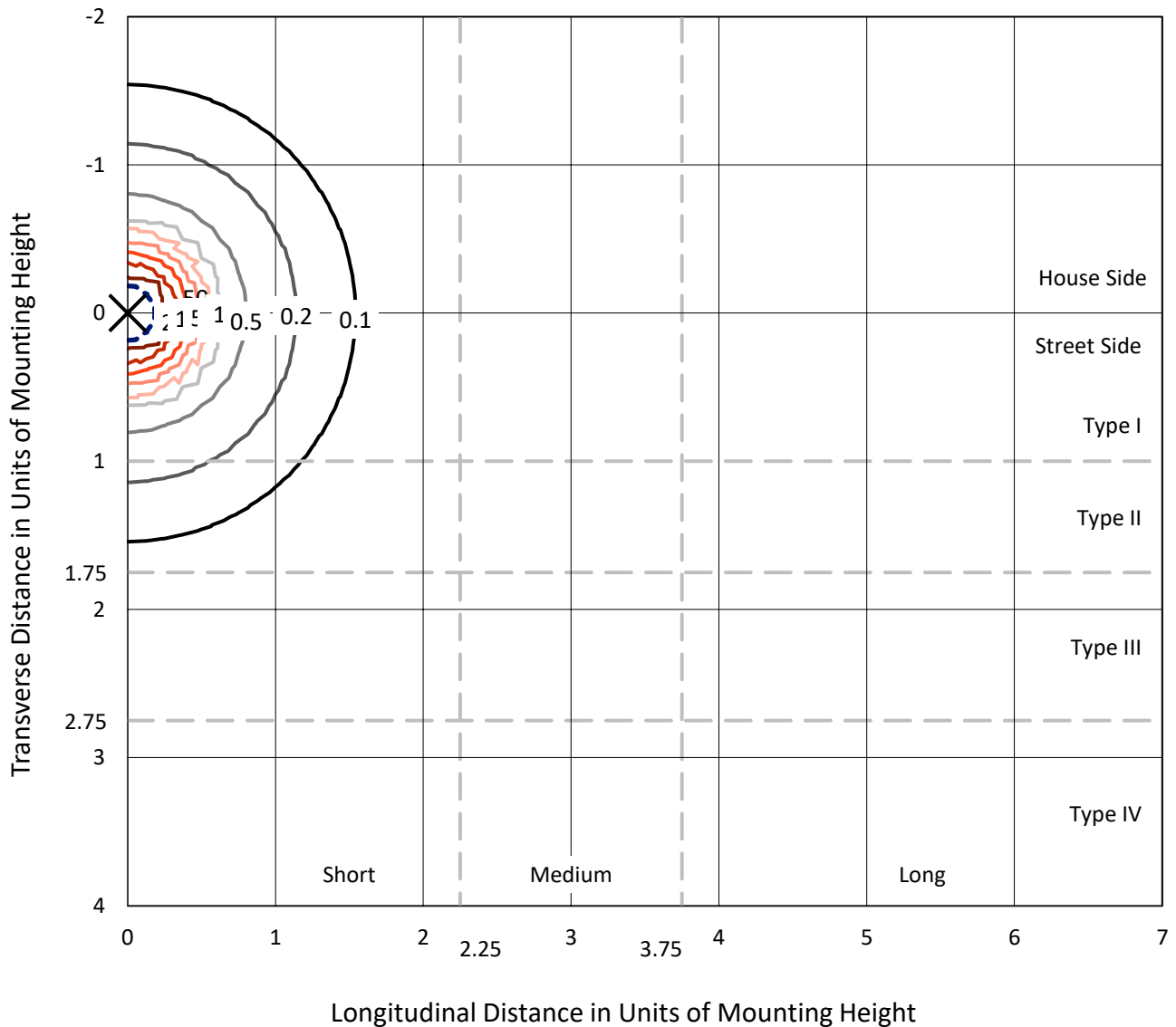
Lumens per Lamp: N/A  
Luminaire Lumens: 33685 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3  
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

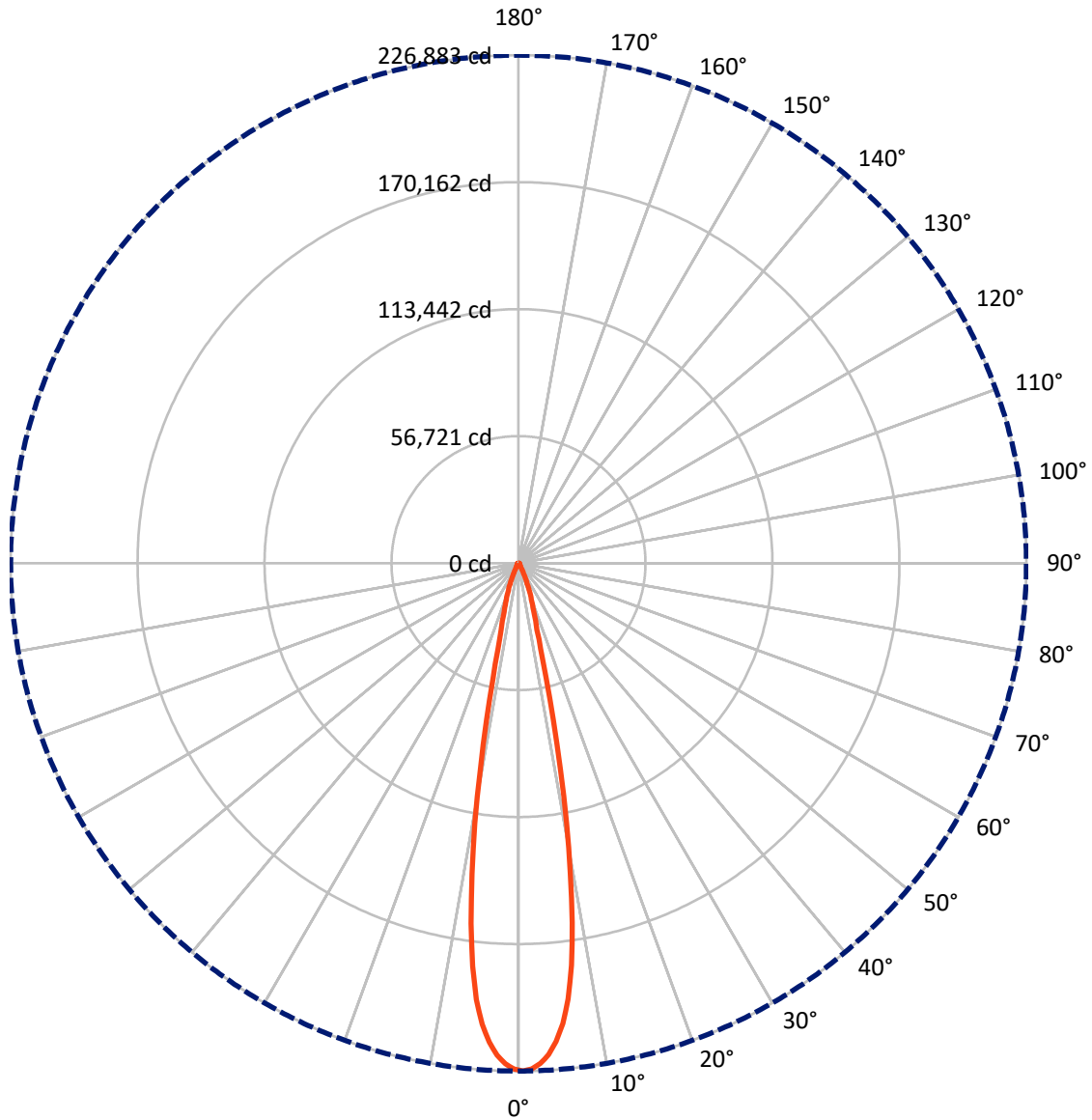
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 252.1 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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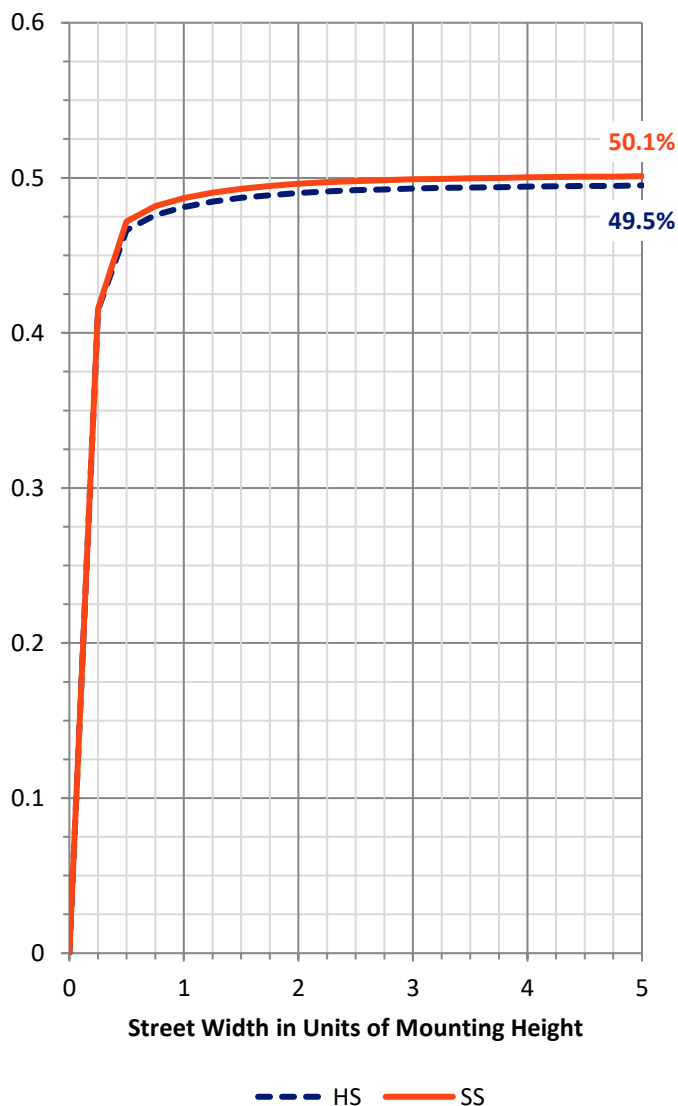
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16842.5	0.0	16842.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16842.5	0.0	16842.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33685.0	0.0	33685.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16892.6	50.1
10°-20°	11111.5	33.0
20°-30°	2988.7	8.9
30°-40°	742.6	2.2
40°-50°	554.2	1.6
50°-60°	509.6	1.5
60°-70°	467.4	1.4
70°-80°	302.3	0.9
80°-90°	116.1	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°	33685.0	100.0
0°-180°	33685.0	100.0

**Coefficient of Utilization**



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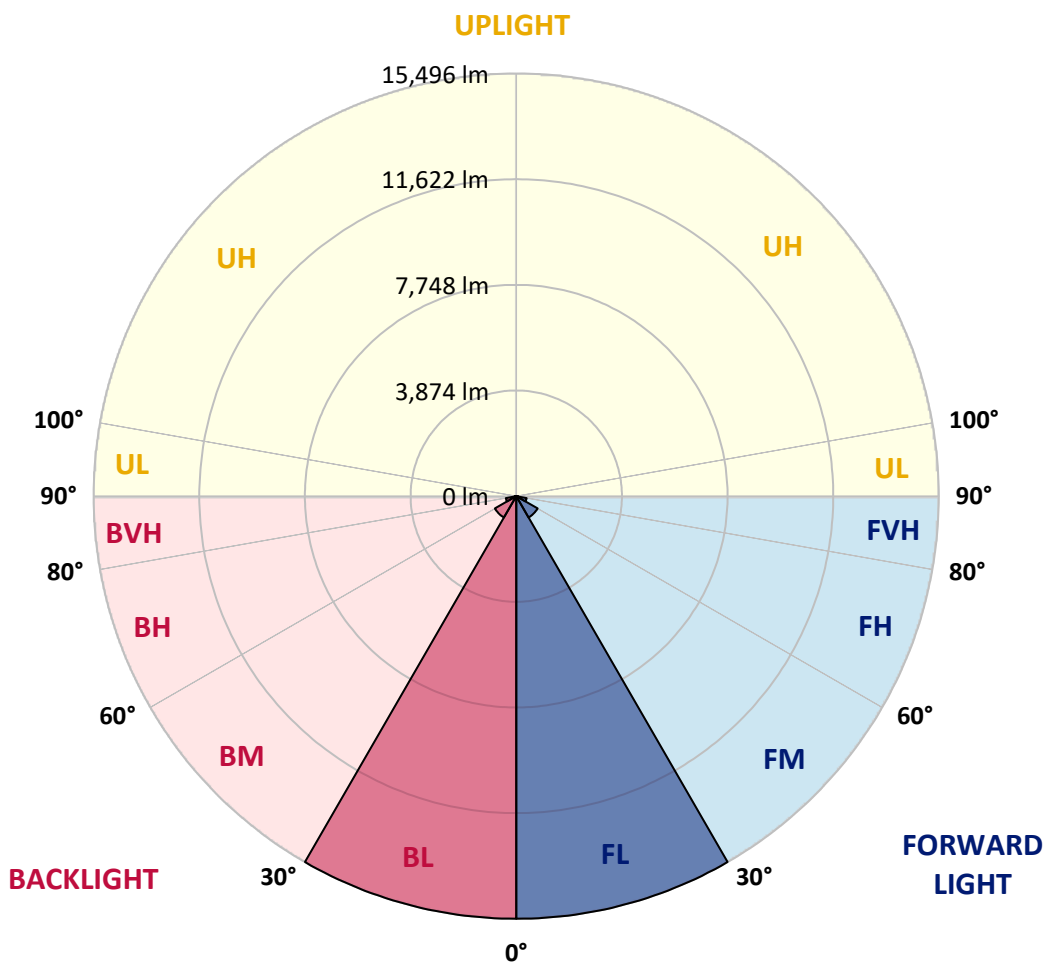
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15496.4	46.0			
FM (30°-60°)	903.2	2.7			
FH (60°-80°)	384.9	1.1			G0/660
FVH (80°-90°)	58.0	0.2			G1/100
BL (0°-30°)	15496.4	46.0	B5		
BM (30°-60°)	903.2	2.7	B1/1000		
BH (60°-80°)	384.9	1.1	B1/500		G0/660
BVH (80°-90°)	58.0	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°	226883.0
1°	225995.1
2°	223758.0
3°	219948.5
4°	214398.0
5°	206669.9
6°	195881.3
7°	181114.5
8°	162389.5
9°	140306.3
10°	117910.7
11°	93853.4
12°	71522.2
13°	52851.7
14°	39553.2
15°	30976.9
17.5°	20763.7
20°	15009.8
22.5°	9895.7
25°	5808.5
27.5°	3258.9
30°	1820.4
32.5°	1329.4
35°	1126.0
37.5°	992.1
40°	873.0
42.5°	783.7
45°	704.4
47.5°	649.8
50°	605.2
52.5°	580.4
55°	565.5
57.5°	555.6
60°	540.7
62.5°	510.9
65°	476.2
67.5°	436.5
70°	386.9
72.5°	332.3
75°	282.7
77.5°	238.1
80°	198.4
82.5°	158.7
85°	119.0
87.5°	49.6



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)