

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: P525733

Luminaire Tested: **IFLD-L-SA7E-935-U-33**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525733  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-935-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33  
distribution lens  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

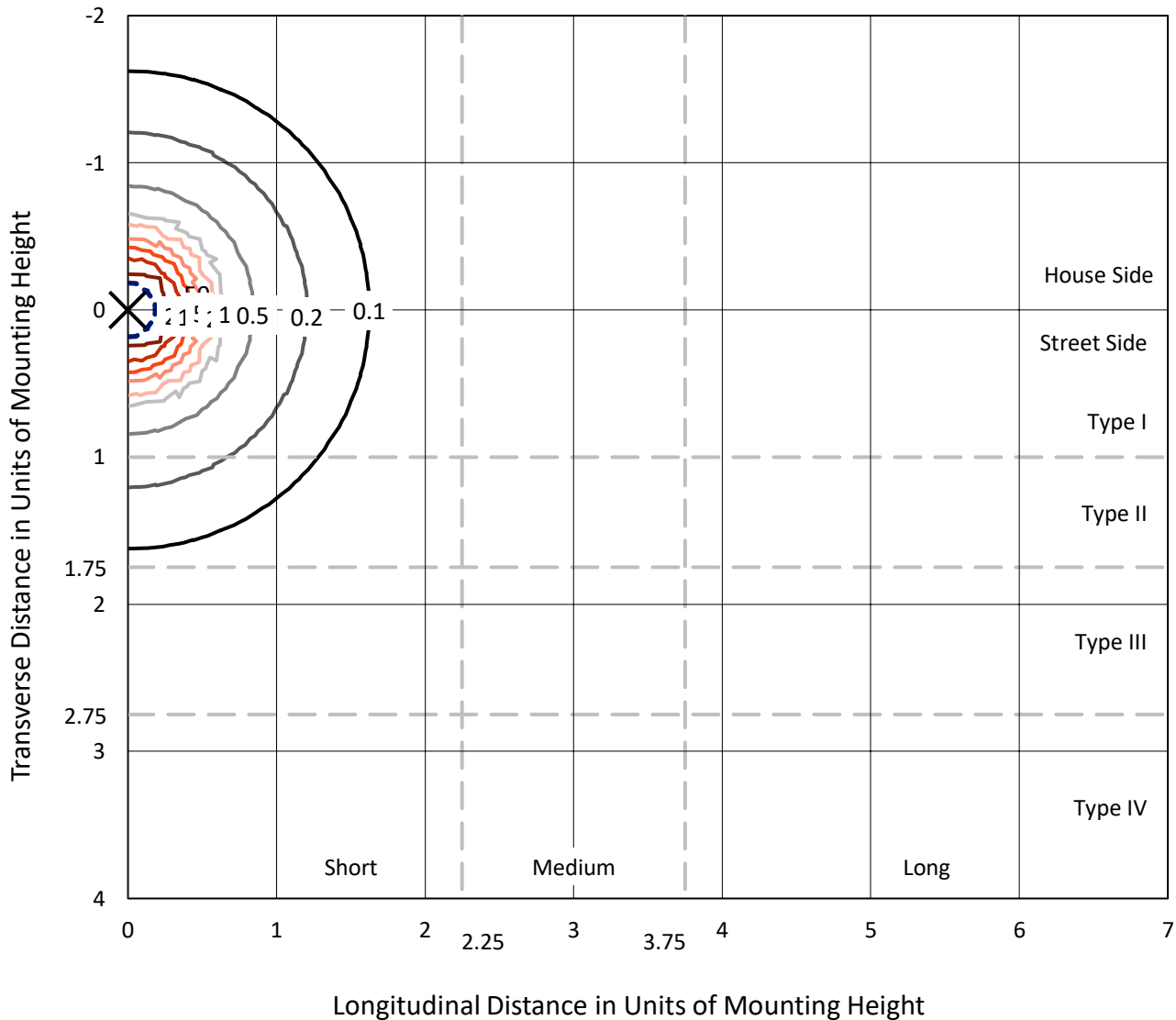
Lumens per Lamp: N/A  
Luminaire Lumens: 38155.5 lumens  
Efficiency: N/A  
Efficacy: 71.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7  
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

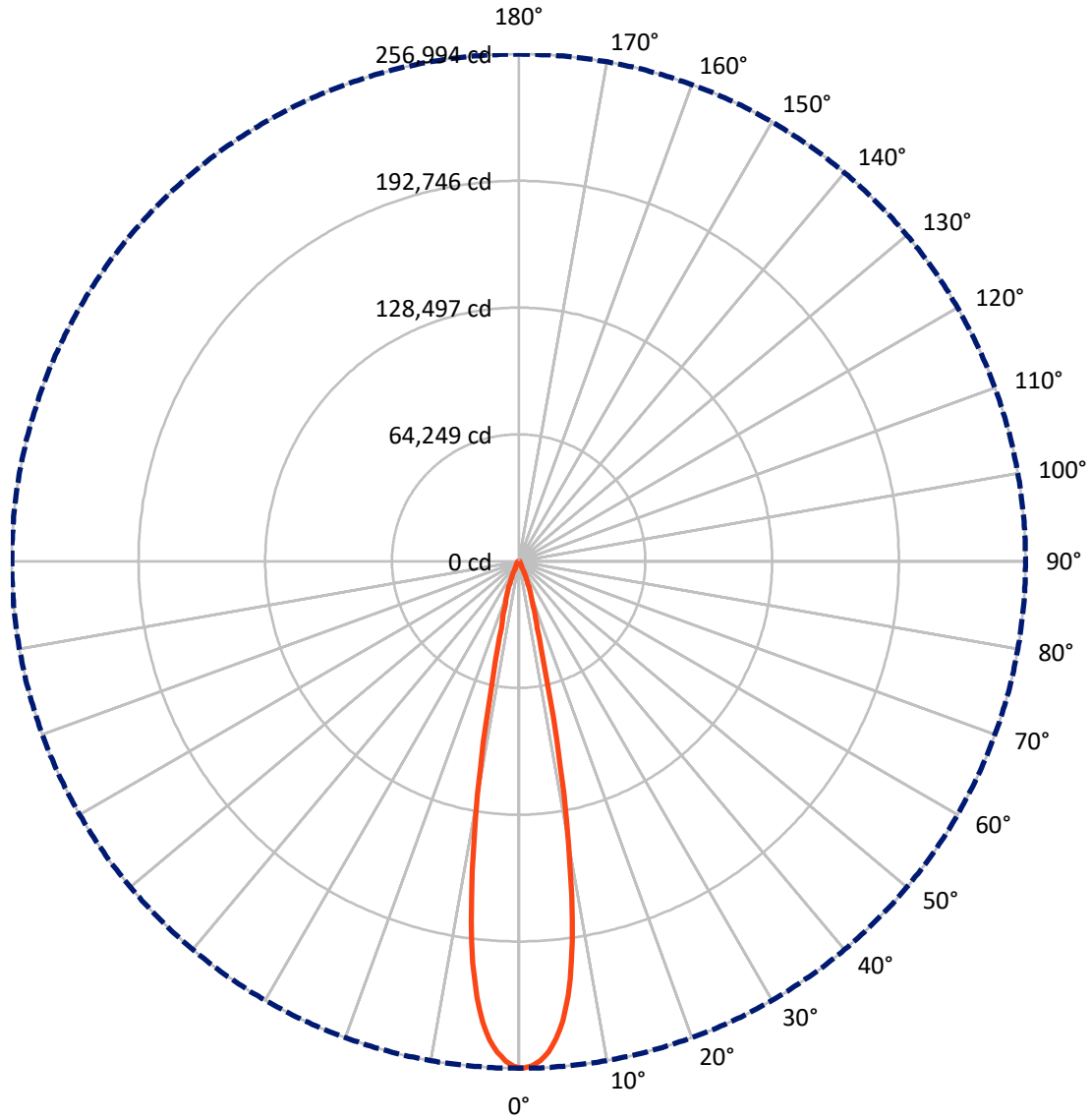
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 285.5 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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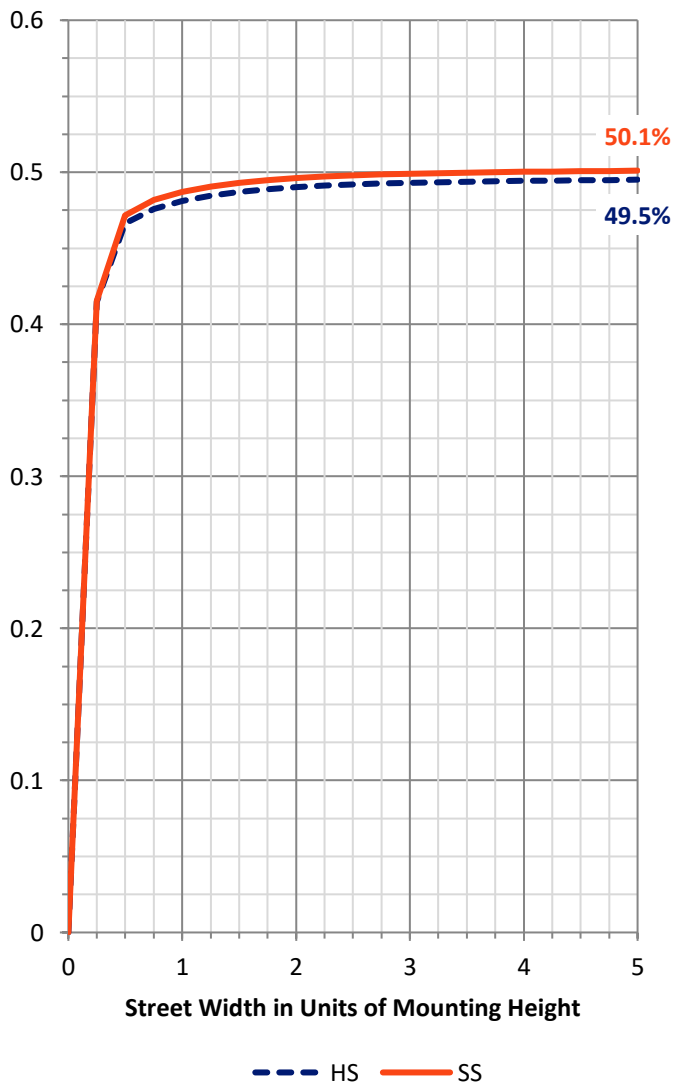
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19077.8	0.0	19077.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19077.8	0.0	19077.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38155.5	0.0	38155.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19134.5	50.1
10°-20°	12586.1	33.0
20°-30°	3385.4	8.9
30°-40°	841.2	2.2
40°-50°	627.7	1.6
50°-60°	577.2	1.5
60°-70°	529.4	1.4
70°-80°	342.4	0.9
80°-90°	131.5	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°	38155.5	100.0
0°-180°	38155.5	100.0

**Coefficient of Utilization**

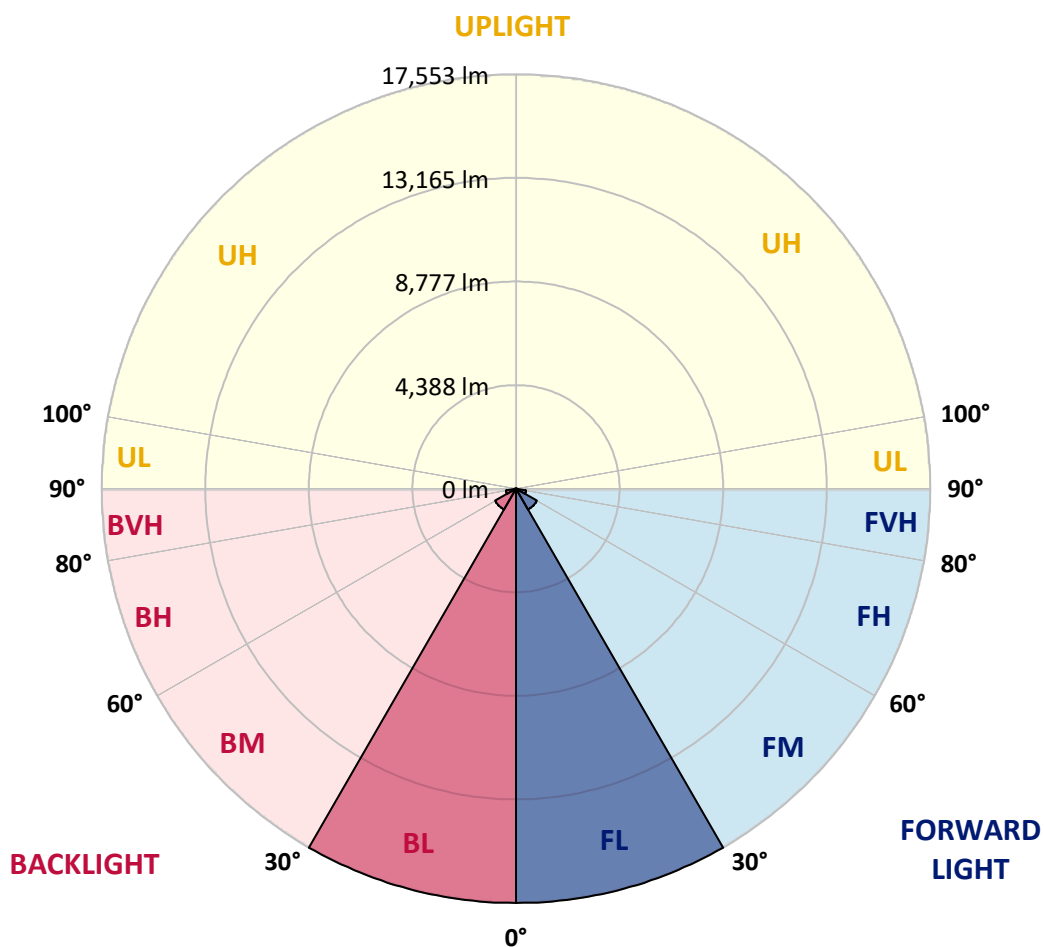


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17553.0	46.0			
FM (30°-60°)	1023.1	2.7			
FH (60°-80°)	435.9	1.1			G0/660
FVH (80°-90°)	65.7	0.2			G1/100
BL (0°-30°)	17553.0	46.0	B5		
BM (30°-60°)	1023.1	2.7	B2/2500		
BH (60°-80°)	435.9	1.1	B1/500		G0/660
BVH (80°-90°)	65.7	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°	256994.2
1°	255988.5
2°	253454.5
3°	249139.4
4°	242852.2
5°	234098.5
6°	221878.0
7°	205151.5
8°	183941.3
9°	158927.4
10°	133559.5
11°	106309.3
12°	81014.4
13°	59866.1
14°	44802.6
15°	35088.1
17.5°	23519.4
20°	17001.8
22.5°	11209.1
25°	6579.4
27.5°	3691.4
30°	2062.0
32.5°	1505.8
35°	1275.4
37.5°	1123.7
40°	988.9
42.5°	887.7
45°	797.8
47.5°	736.0
50°	685.5
52.5°	657.4
55°	640.5
57.5°	629.3
60°	612.4
62.5°	578.7
65°	539.4
67.5°	494.4
70°	438.2
72.5°	376.4
75°	320.3
77.5°	269.7
80°	224.7
82.5°	179.8
85°	134.8
87.5°	56.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)