

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: P525627

Luminaire Tested: **IFLD-S-SA3B-927-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525627  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-927-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (48) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

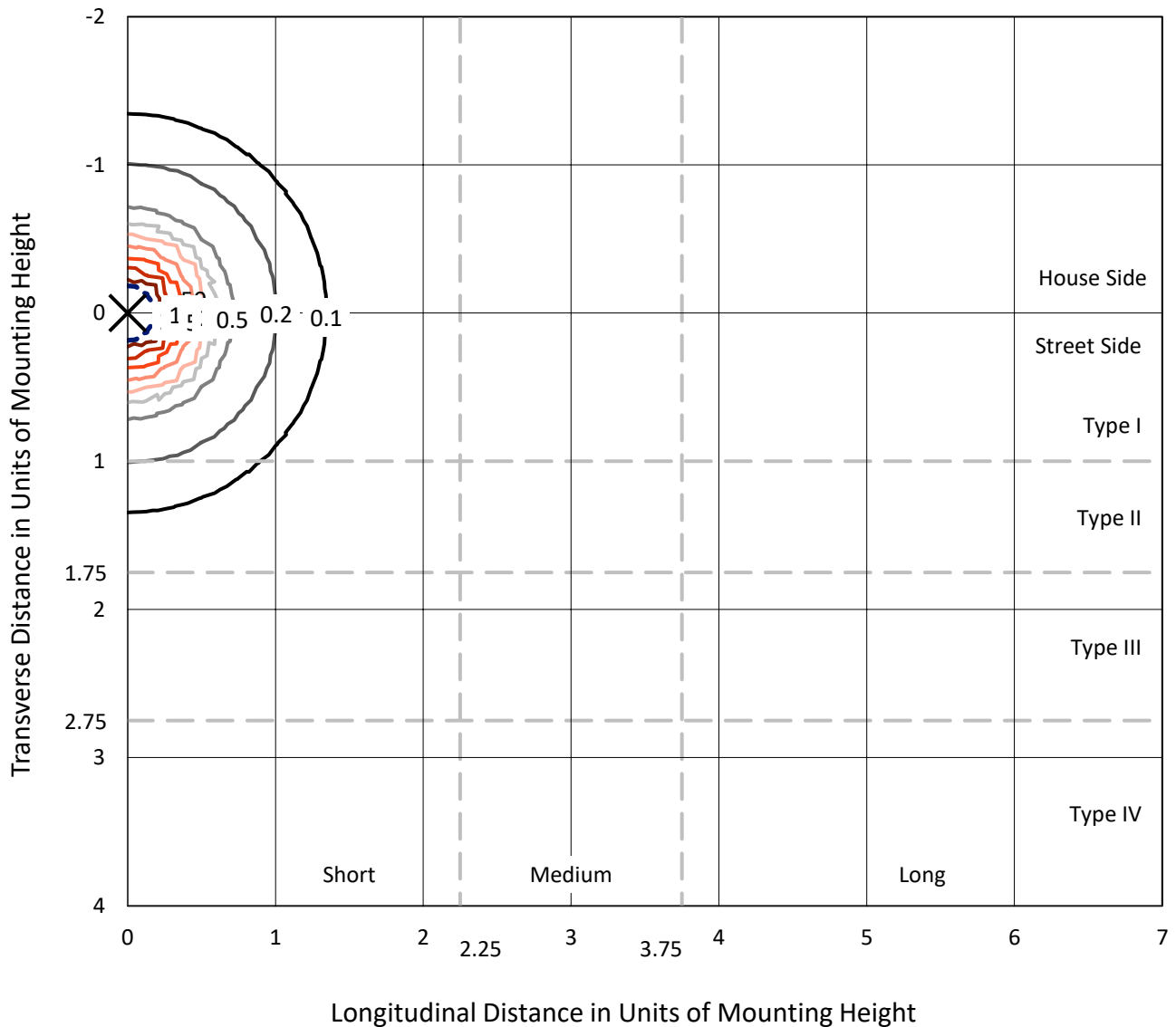
Lumens per Lamp: N/A  
Luminaire Lumens: 10965.3 lumens  
Efficiency: N/A  
Efficacy: 89.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 122.4  
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

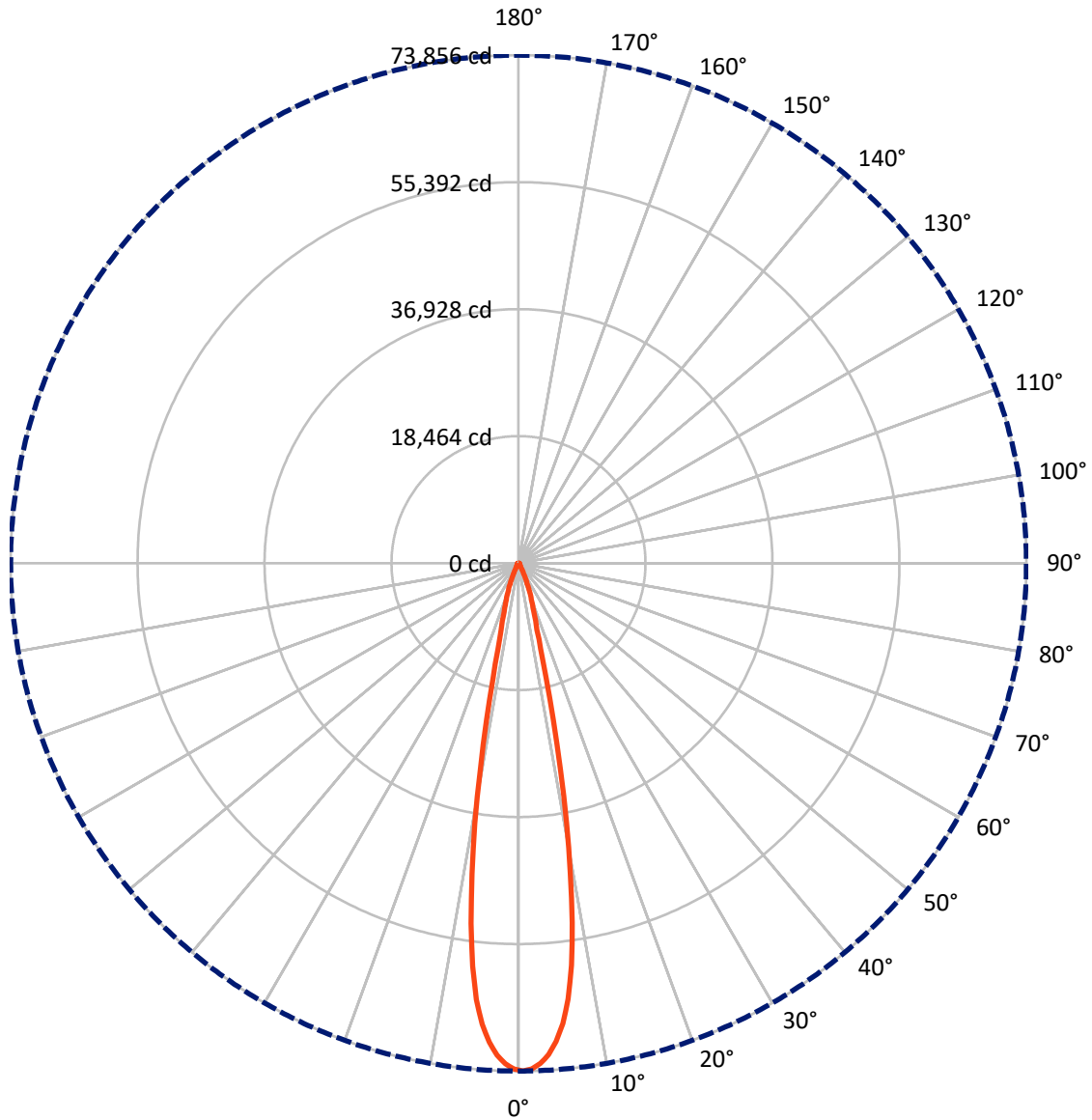
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 184.6 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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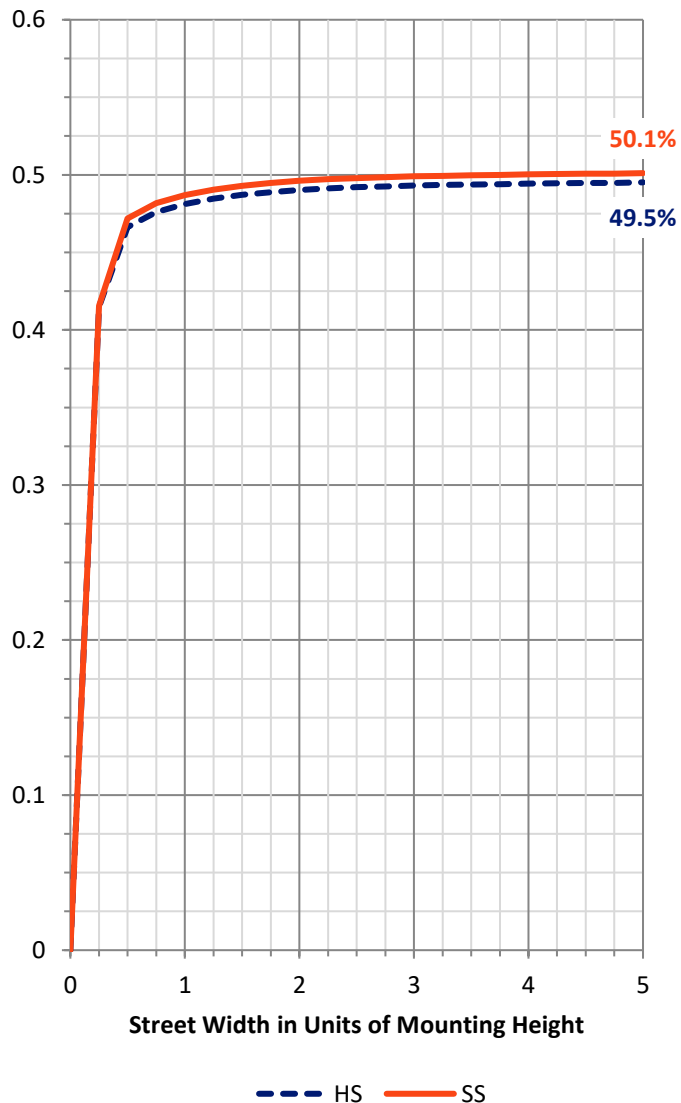
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5482.7	0.0	5482.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5482.7	0.0	5482.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10965.3	0.0	10965.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5499.0	50.1
10°-20°	3617.1	33.0
20°-30°	972.9	8.9
30°-40°	241.7	2.2
40°-50°	180.4	1.6
50°-60°	165.9	1.5
60°-70°	152.1	1.4
70°-80°	98.4	0.9
80°-90°	37.8	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°	10965.3	100.0
0°-180°	10965.3	100.0

**Coefficient of Utilization**



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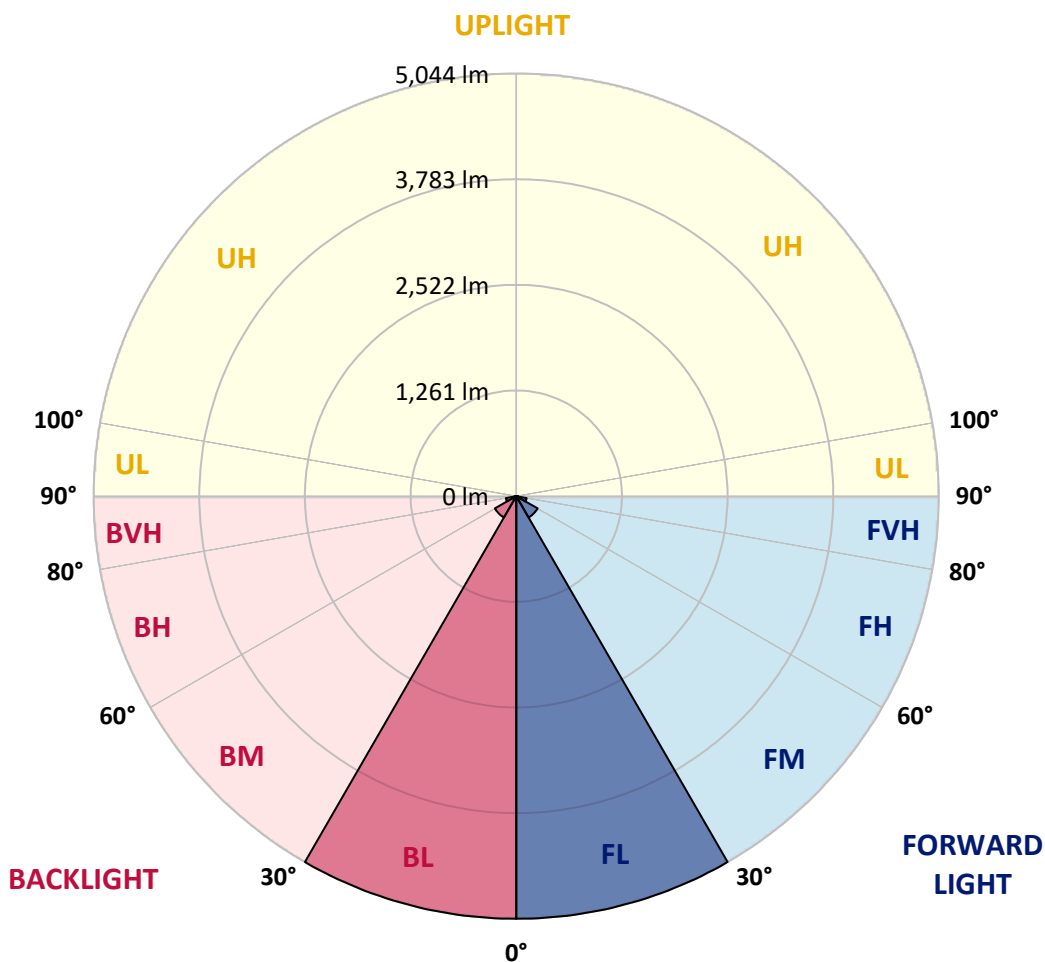
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5044.5	46.0			
FM (30°-60°)	294.0	2.7			
FH (60°-80°)	125.3	1.1			G0/660
FVH (80°-90°)	18.9	0.2			G1/100
BL (0°-30°)	5044.5	46.0	B5		
BM (30°-60°)	294.0	2.7	B1/1000		
BH (60°-80°)	125.3	1.1	B1/500		G0/660
BVH (80°-90°)	18.9	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°	73856.3
1°	73567.3
2°	72839.1
3°	71599.0
4°	69792.1
5°	67276.4
6°	63764.5
7°	58957.5
8°	52862.0
9°	45673.4
10°	38383.0
11°	30551.7
12°	23282.3
13°	17204.6
14°	12875.6
15°	10083.8
17.5°	6759.1
20°	4886.1
22.5°	3221.3
25°	1890.8
27.5°	1060.9
30°	592.6
32.5°	432.7
35°	366.5
37.5°	322.9
40°	284.2
42.5°	255.1
45°	229.3
47.5°	211.5
50°	197.0
52.5°	188.9
55°	184.1
57.5°	180.8
60°	176.0
62.5°	166.3
65°	155.0
67.5°	142.1
70°	125.9
72.5°	108.2
75°	92.0
77.5°	77.5
80°	64.6
82.5°	51.7
85°	38.8
87.5°	16.1



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)