

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: P525665

Luminaire Tested: **IFLD-S-SA3A-930-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525665  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-930-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (48) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

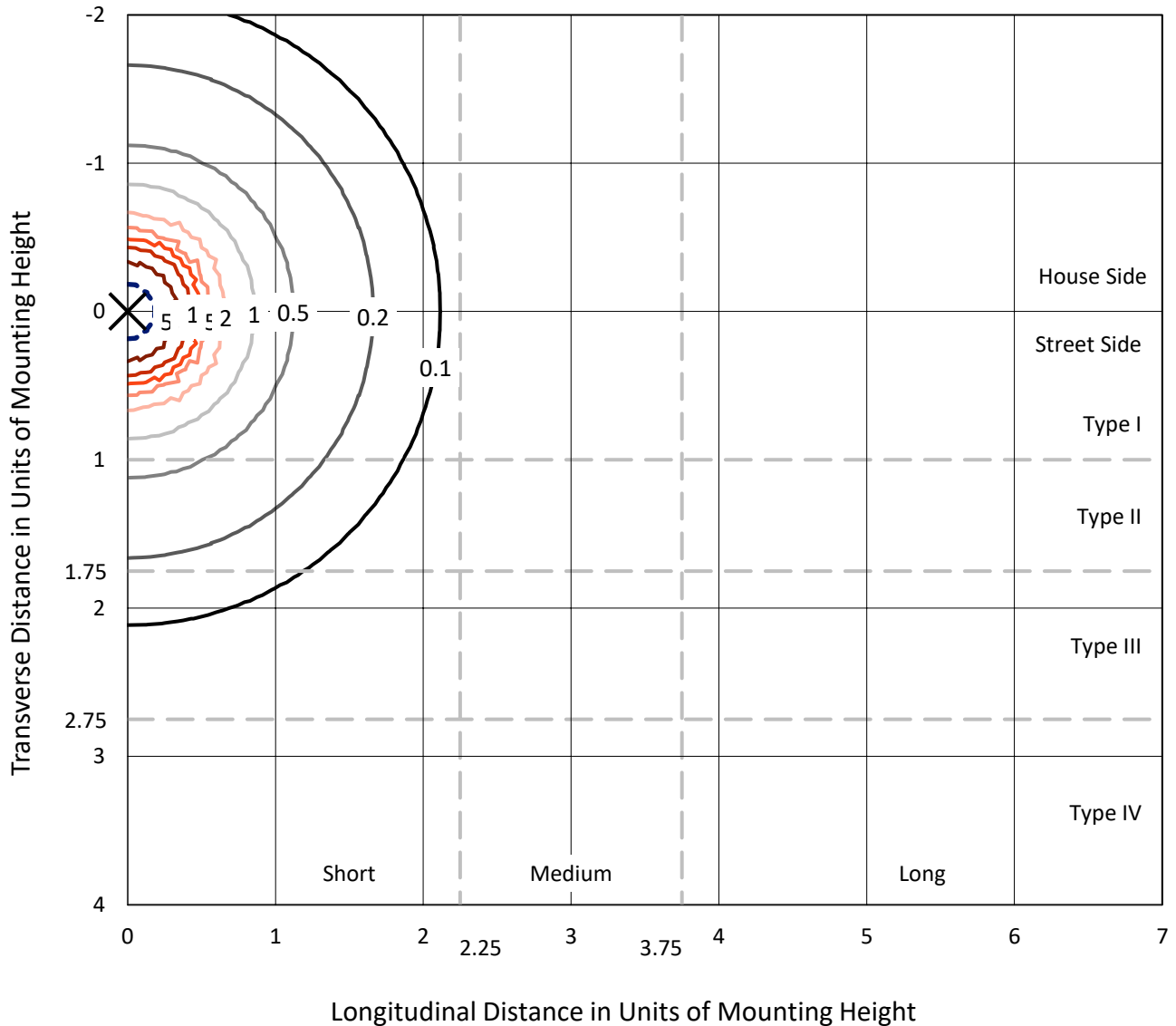
Lumens per Lamp: N/A  
Luminaire Lumens: 8963.4 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8  
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

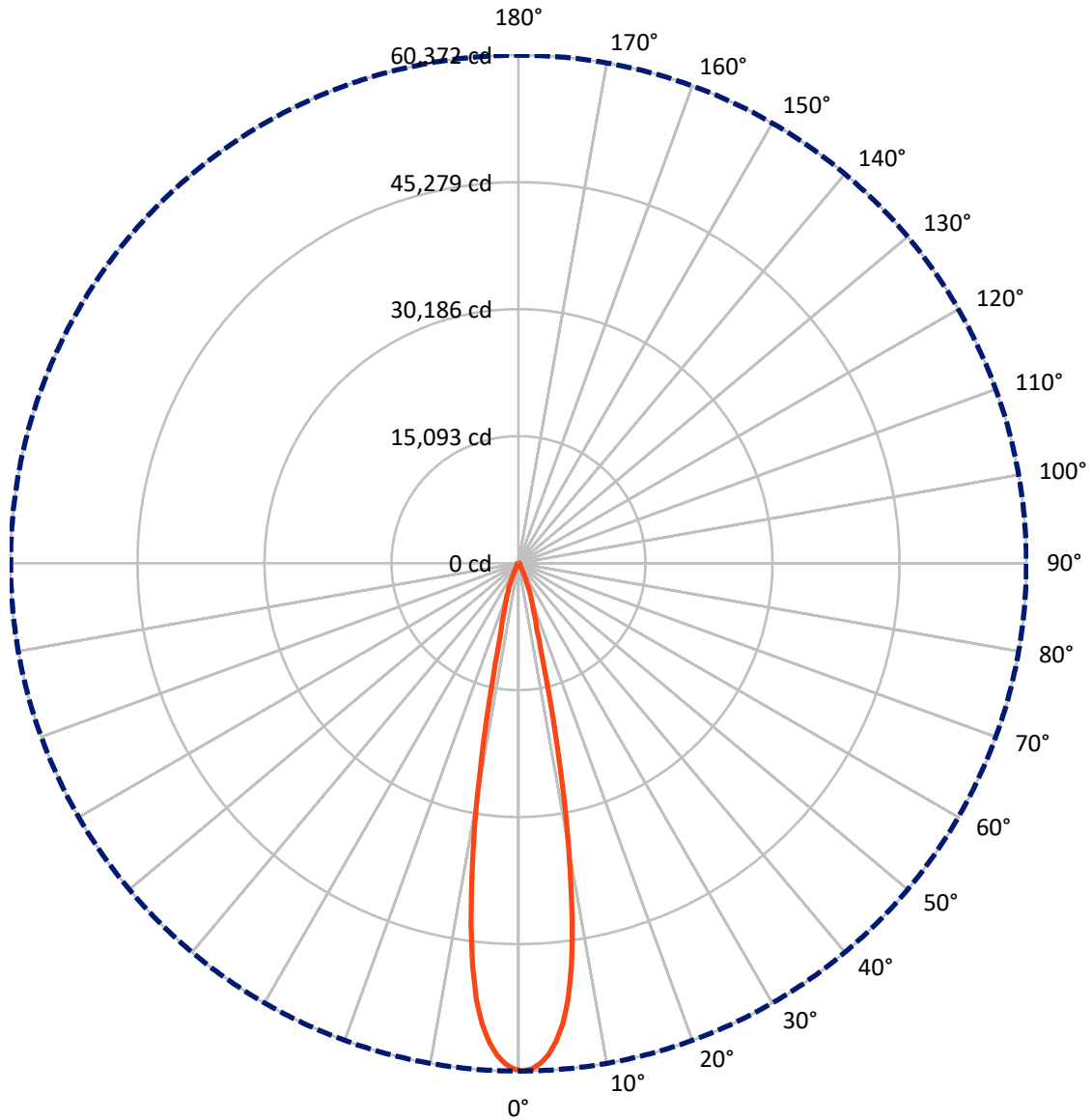
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 603.7 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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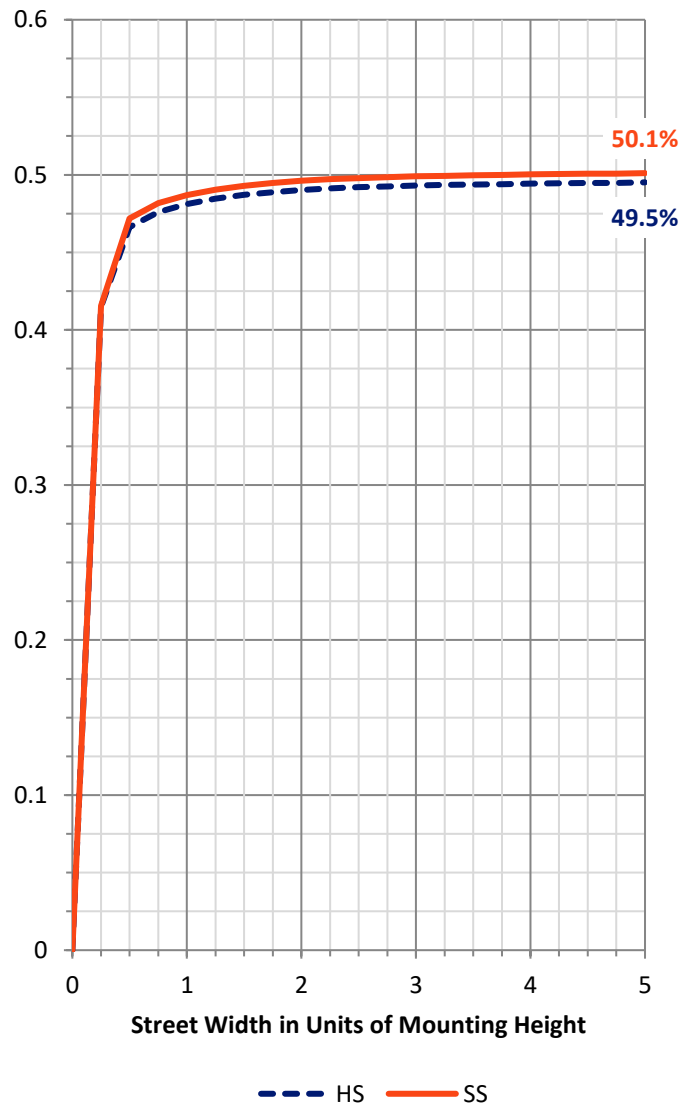
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4481.7	0.0	4481.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4481.7	0.0	4481.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8963.4	0.0	8963.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4495.0	50.1
10°-20°	2956.7	33.0
20°-30°	795.3	8.9
30°-40°	197.6	2.2
40°-50°	147.4	1.6
50°-60°	135.6	1.5
60°-70°	124.4	1.4
70°-80°	80.4	0.9
80°-90°	30.9	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°	8963.4	100.0
0°-180°	8963.4	100.0

**Coefficient of Utilization**



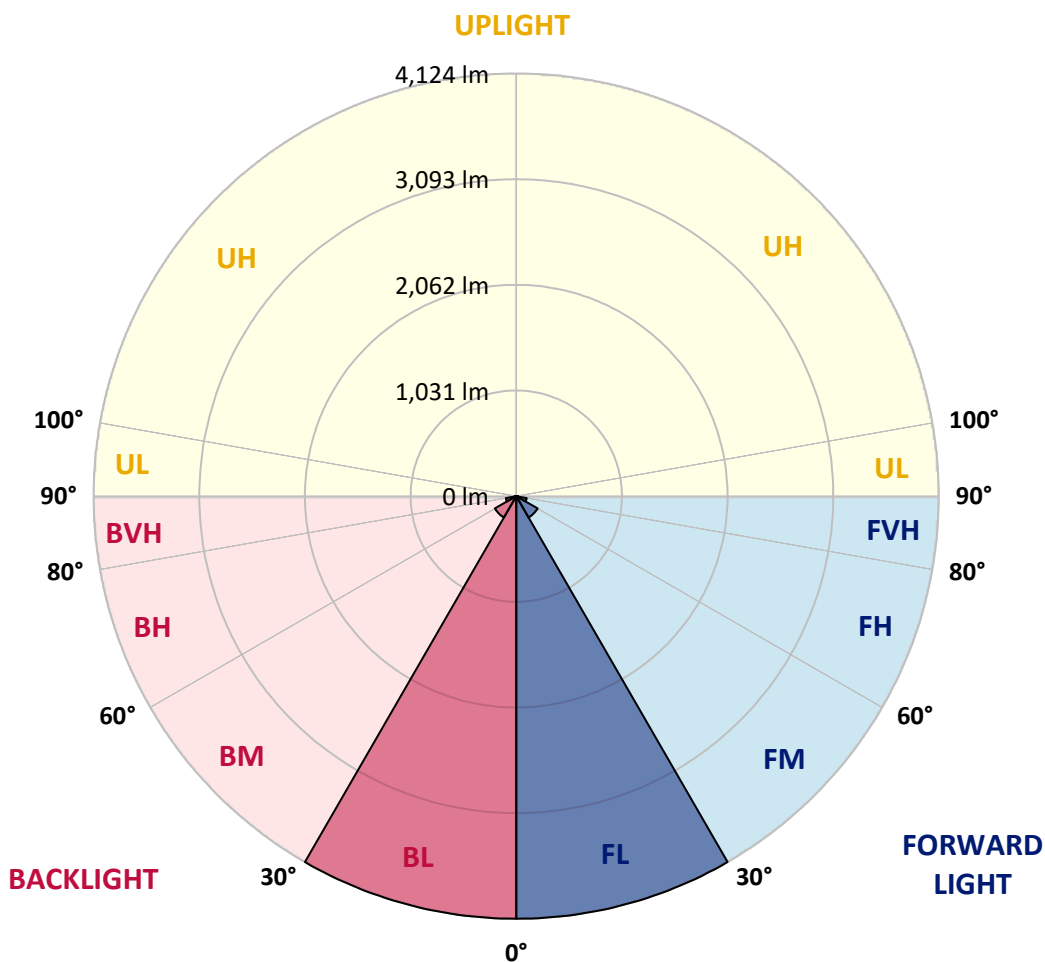
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4123.5	46.0			
FM (30°-60°)	240.3	2.7			
FH (60°-80°)	102.4	1.1			G0/660
FVH (80°-90°)	15.4	0.2			G1/100
BL (0°-30°)	4123.5	46.0	B4/5000		
BM (30°-60°)	240.3	2.7	B1/1000		
BH (60°-80°)	102.4	1.1	B0/110		G0/660
BVH (80°-90°)	15.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	60372.4
1°	60136.2
2°	59540.9
3°	58527.2
4°	57050.2
5°	54993.8
6°	52123.0
7°	48193.7
8°	43211.0
9°	37334.8
10°	31375.4
11°	24973.9
12°	19031.7
13°	14063.6
14°	10524.9
15°	8242.8
17.5°	5525.1
20°	3994.0
22.5°	2633.2
25°	1545.6
27.5°	867.2
30°	484.4
32.5°	353.7
35°	299.6
37.5°	264.0
40°	232.3
42.5°	208.5
45°	187.4
47.5°	172.9
50°	161.0
52.5°	154.4
55°	150.5
57.5°	147.8
60°	143.9
62.5°	136.0
65°	126.7
67.5°	116.2
70°	103.0
72.5°	88.4
75°	75.2
77.5°	63.4
80°	52.8
82.5°	42.2
85°	31.7
87.5°	13.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)