

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: P525803

Luminaire Tested: **IFLD-M-SA4B-950-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525803  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-950-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (64) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

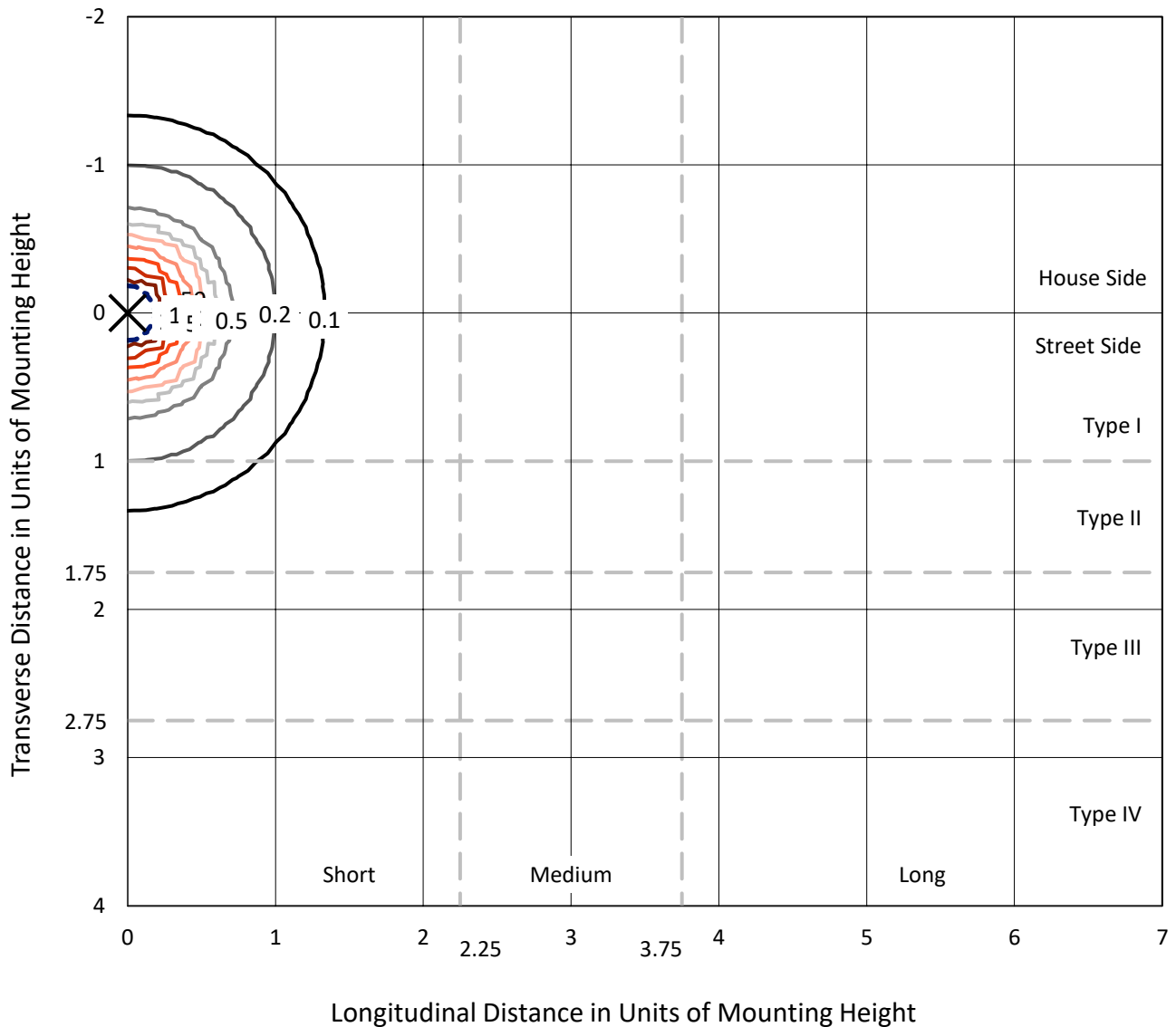
Lumens per Lamp: N/A  
Luminaire Lumens: 16799.7 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 166.1  
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

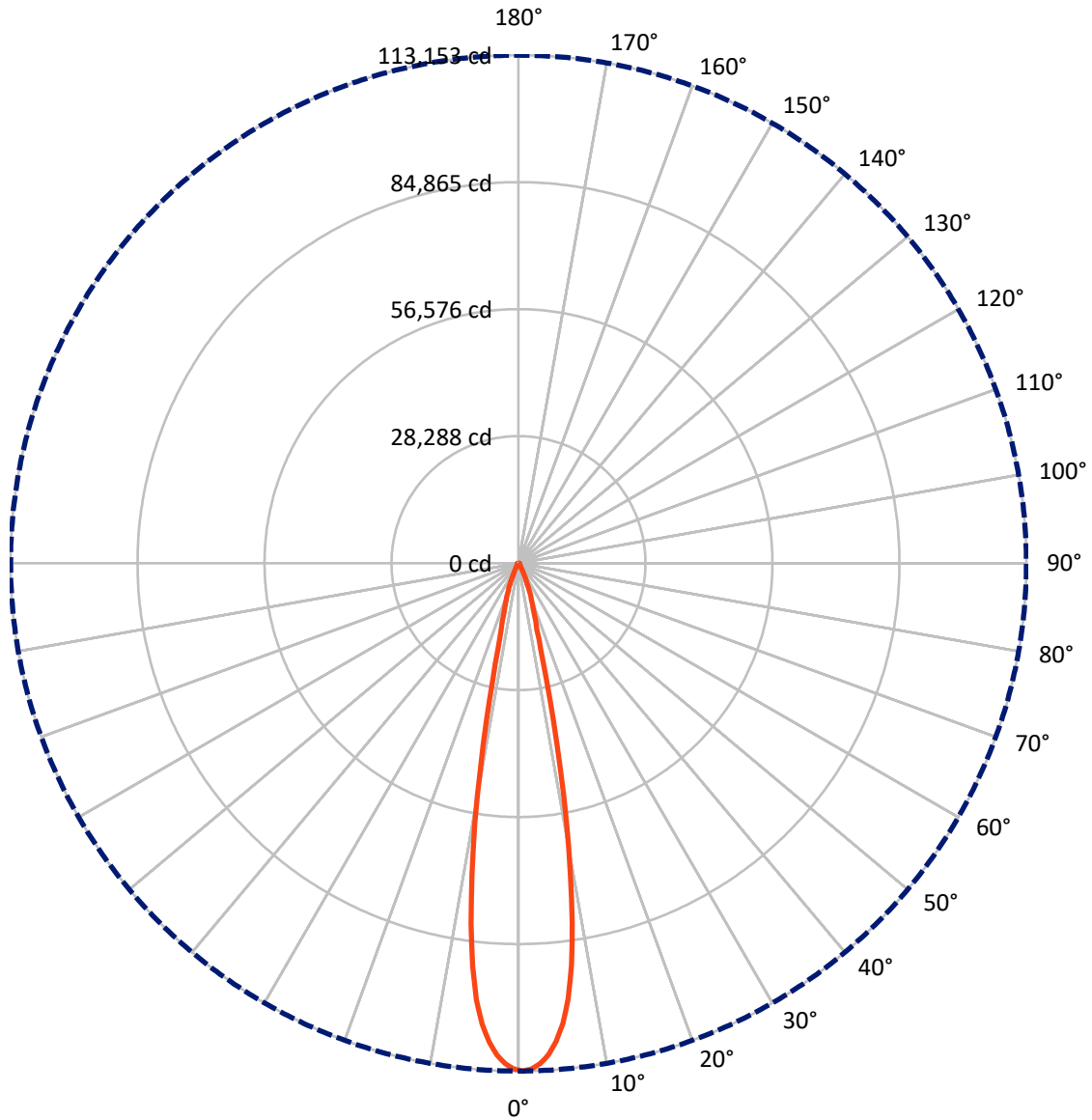
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 181 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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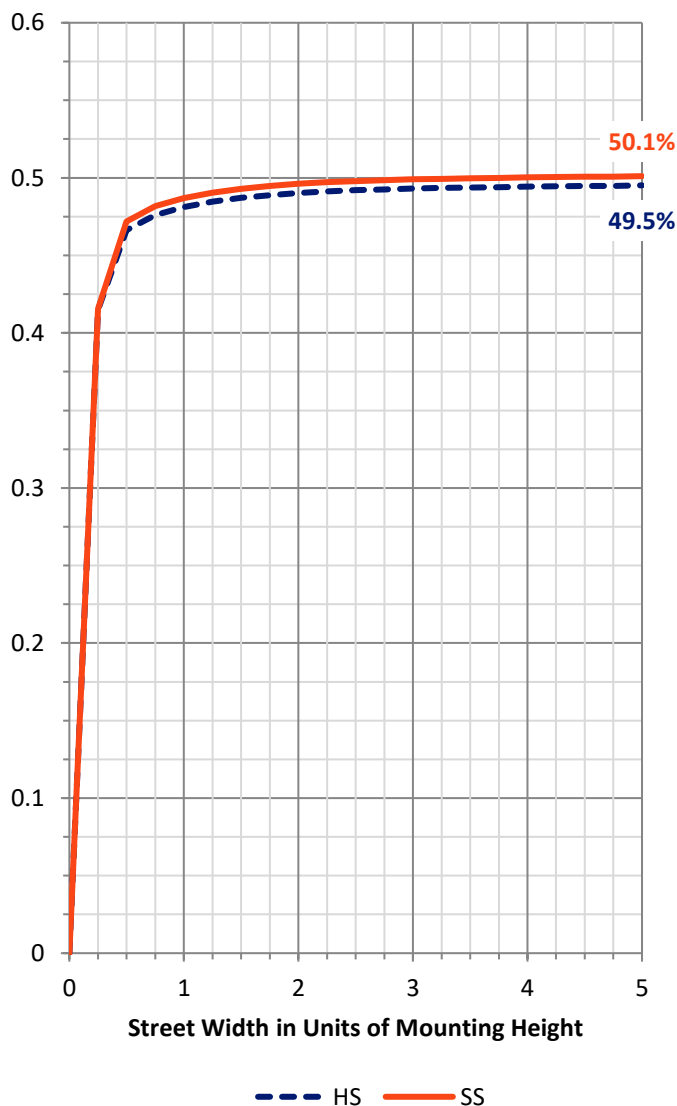
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8399.8	0.0	8399.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8399.8	0.0	8399.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16799.7	0.0	16799.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8424.8	50.1
10°-20°	5541.6	33.0
20°-30°	1490.6	8.9
30°-40°	370.4	2.2
40°-50°	276.4	1.6
50°-60°	254.1	1.5
60°-70°	233.1	1.4
70°-80°	150.8	0.9
80°-90°	57.9	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°	16799.7	100.0
0°-180°	16799.7	100.0

**Coefficient of Utilization**



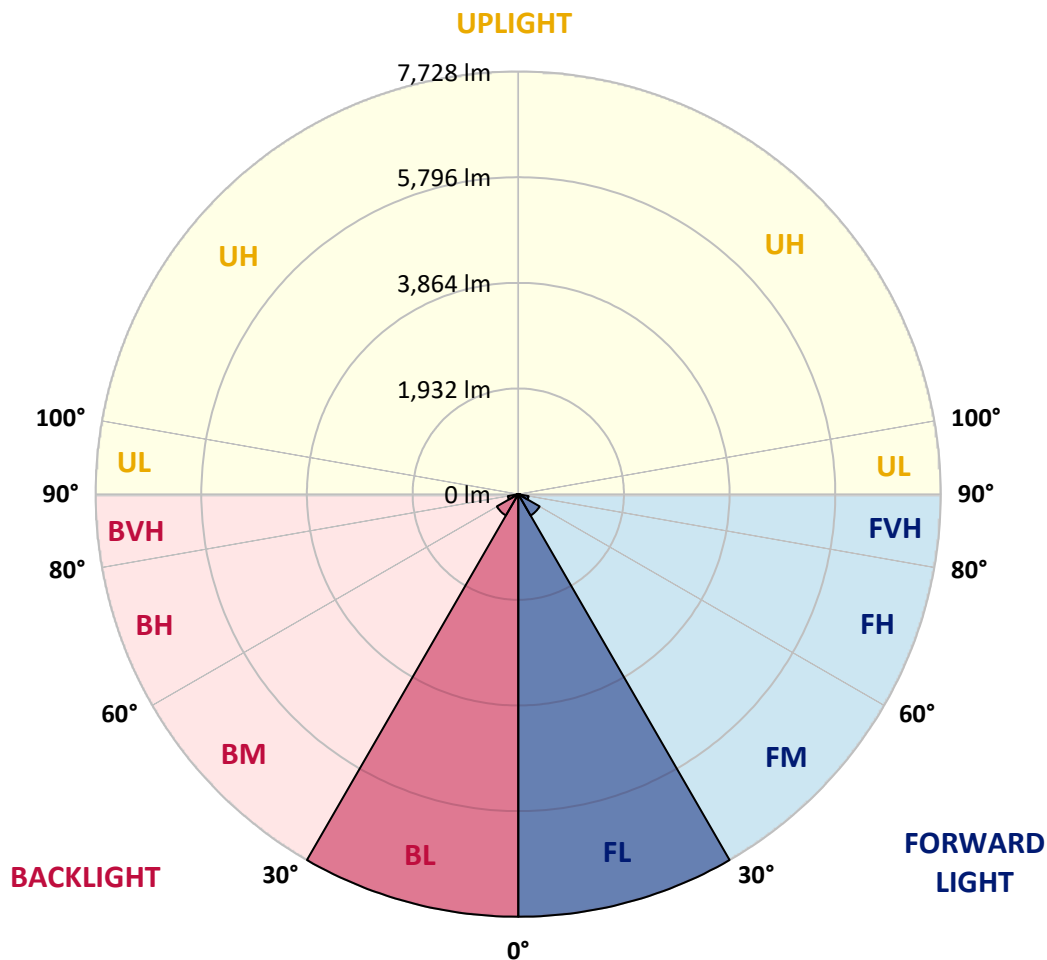
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7728.5	46.0			
FM (30°-60°)	450.5	2.7			
FH (60°-80°)	191.9	1.1			G0/660
FVH (80°-90°)	29.0	0.2			G1/100
BL (0°-30°)	7728.5	46.0	B5		
BM (30°-60°)	450.5	2.7	B1/1000		
BH (60°-80°)	191.9	1.1	B1/500		G0/660
BVH (80°-90°)	29.0	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°	113152.9
1°	112710.1
2°	111594.4
3°	109694.5
4°	106926.3
5°	103072.0
6°	97691.5
7°	90326.9
8°	80988.2
9°	69974.7
10°	58805.4
11°	46807.3
12°	35670.1
13°	26358.6
14°	19726.3
15°	15449.1
17.5°	10355.4
20°	7485.8
22.5°	4935.3
25°	2896.9
27.5°	1625.3
30°	907.9
32.5°	663.0
35°	561.6
37.5°	494.8
40°	435.4
42.5°	390.9
45°	351.3
47.5°	324.1
50°	301.8
52.5°	289.4
55°	282.0
57.5°	277.1
60°	269.6
62.5°	254.8
65°	237.5
67.5°	217.7
70°	193.0
72.5°	165.7
75°	141.0
77.5°	118.7
80°	99.0
82.5°	79.2
85°	59.4
87.5°	24.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)