

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: P525774

Luminaire Tested: **IFLD-L-SA8B-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525774  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-940-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

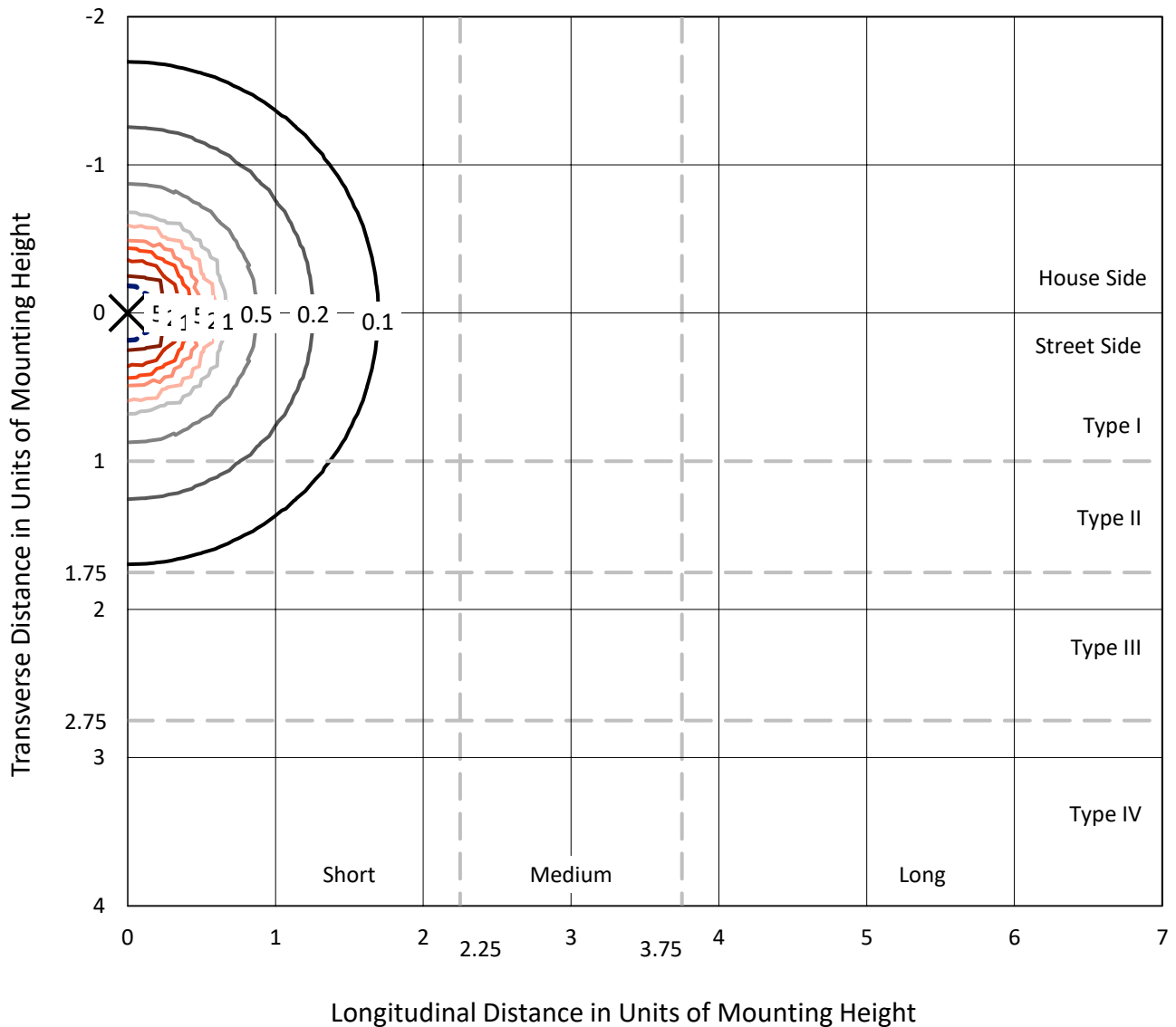
Lumens per Lamp: N/A  
Luminaire Lumens: 29447.9 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 320  
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

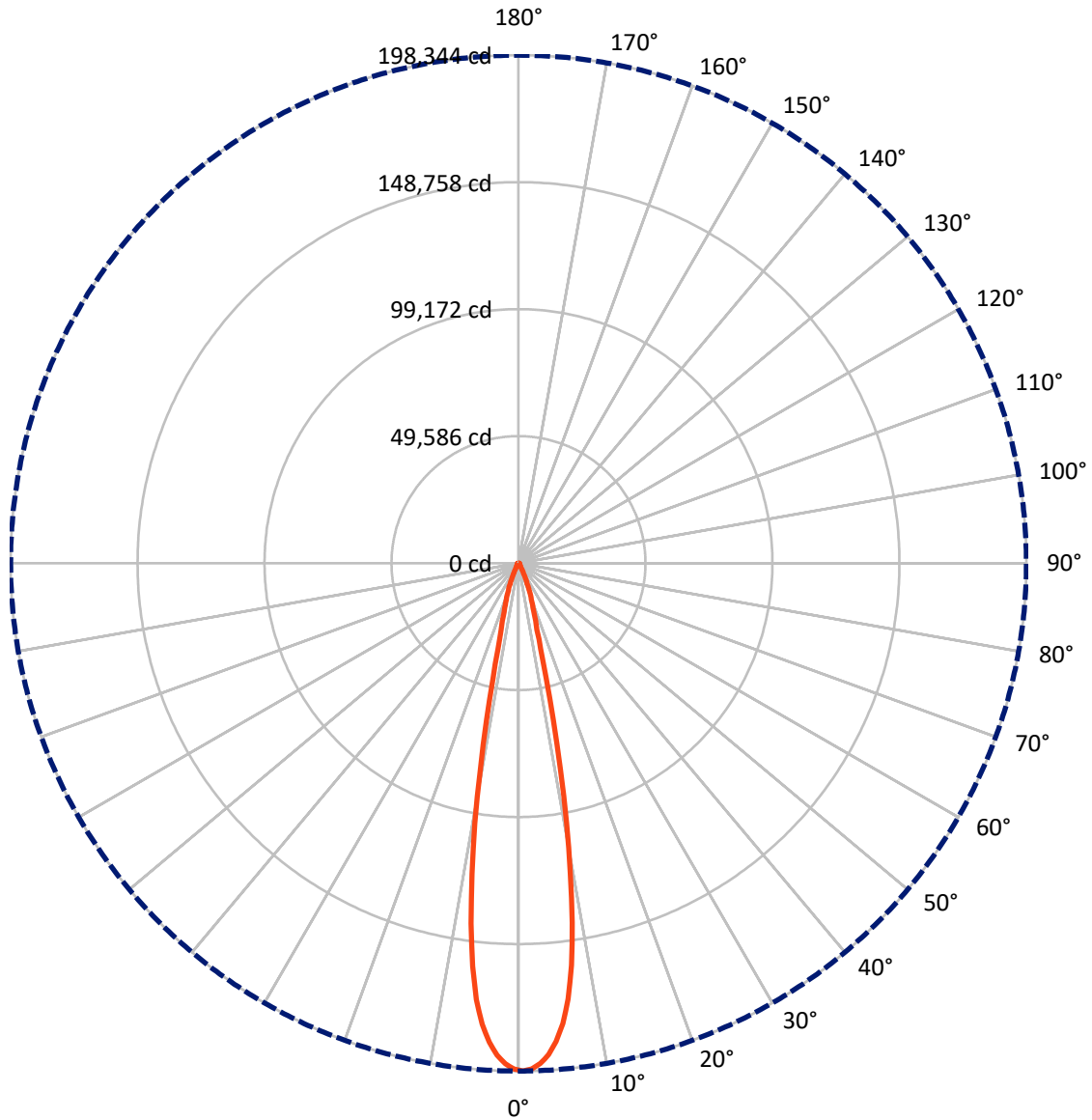
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 317.4 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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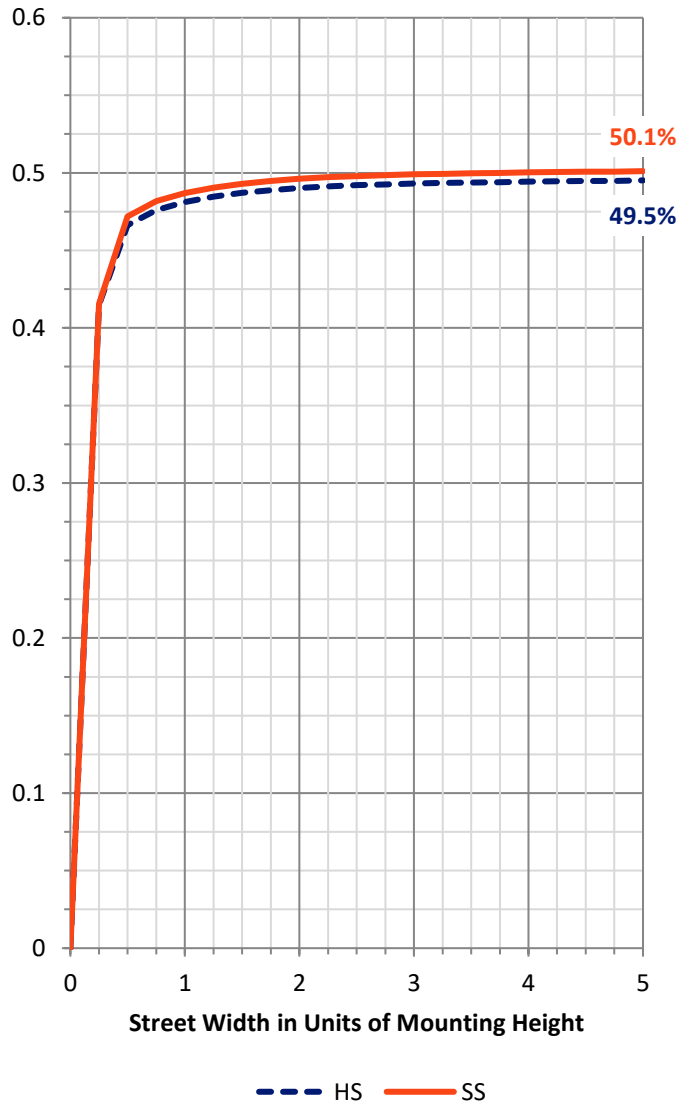
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14723.9	0.0	14723.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14723.9	0.0	14723.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29447.9	0.0	29447.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14767.7	50.1
10°-20°	9713.8	33.0
20°-30°	2612.8	8.9
30°-40°	649.2	2.2
40°-50°	484.5	1.6
50°-60°	445.5	1.5
60°-70°	408.6	1.4
70°-80°	264.3	0.9
80°-90°	101.5	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°	29447.9	100.0
0°-180°	29447.9	100.0

**Coefficient of Utilization**



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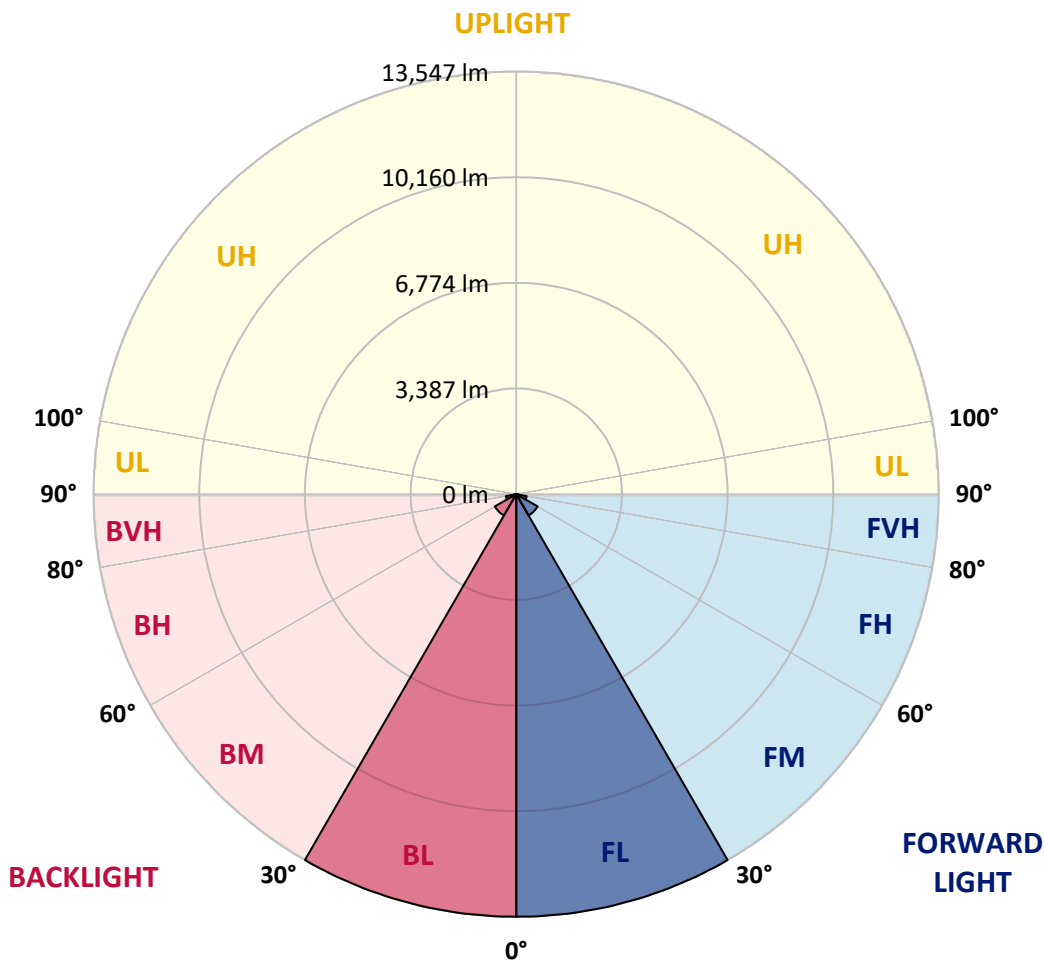
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13547.2	46.0			
FM (30°-60°)	789.6	2.7			
FH (60°-80°)	336.4	1.1			G0/660
FVH (80°-90°)	50.8	0.2			G1/100
BL (0°-30°)	13547.2	46.0	B5		
BM (30°-60°)	789.6	2.7	B1/1000		
BH (60°-80°)	336.4	1.1	B1/500		G0/660
BVH (80°-90°)	50.8	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°	198344.0
1°	197567.8
2°	195612.1
3°	192281.8
4°	187429.4
5°	180673.4
6°	171241.9
7°	158332.6
8°	141962.9
9°	122657.6
10°	103079.0
11°	82047.8
12°	62525.6
13°	46203.7
14°	34577.9
15°	27080.4
17.5°	18151.9
20°	13121.8
22.5°	8651.0
25°	5077.8
27.5°	2849.0
30°	1591.4
32.5°	1162.1
35°	984.3
37.5°	867.3
40°	763.2
42.5°	685.1
45°	615.8
47.5°	568.1
50°	529.0
52.5°	507.4
55°	494.3
57.5°	485.7
60°	472.7
62.5°	446.6
65°	416.3
67.5°	381.6
70°	338.2
72.5°	290.5
75°	247.2
77.5°	208.1
80°	173.5
82.5°	138.8
85°	104.1
87.5°	43.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)