

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: P525961

Luminaire Tested: **IFLD-M-SA4D-940-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525961  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4D-940-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (64) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

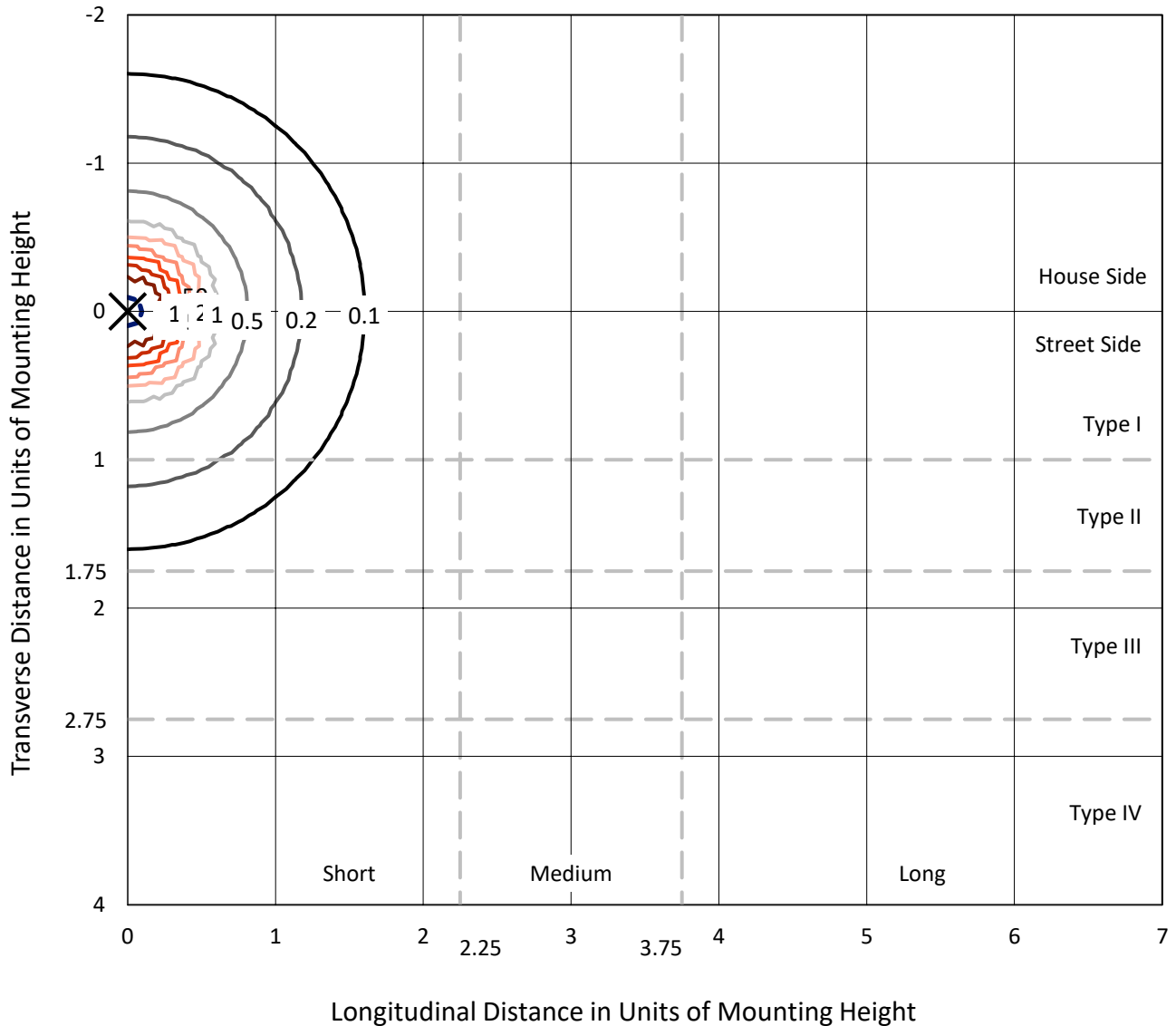
Lumens per Lamp: N/A  
Luminaire Lumens: 23096.5 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7  
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

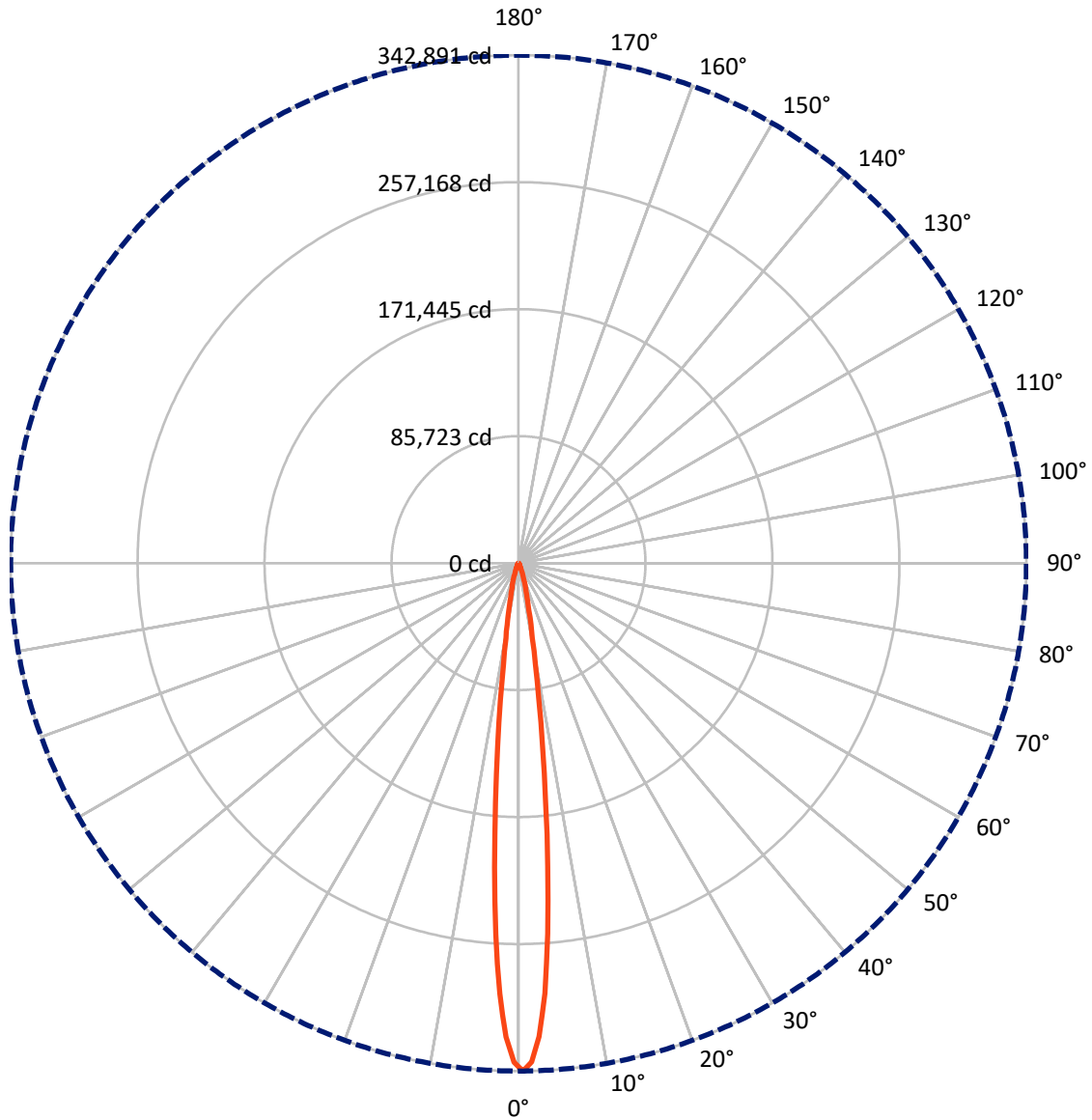
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 548.6 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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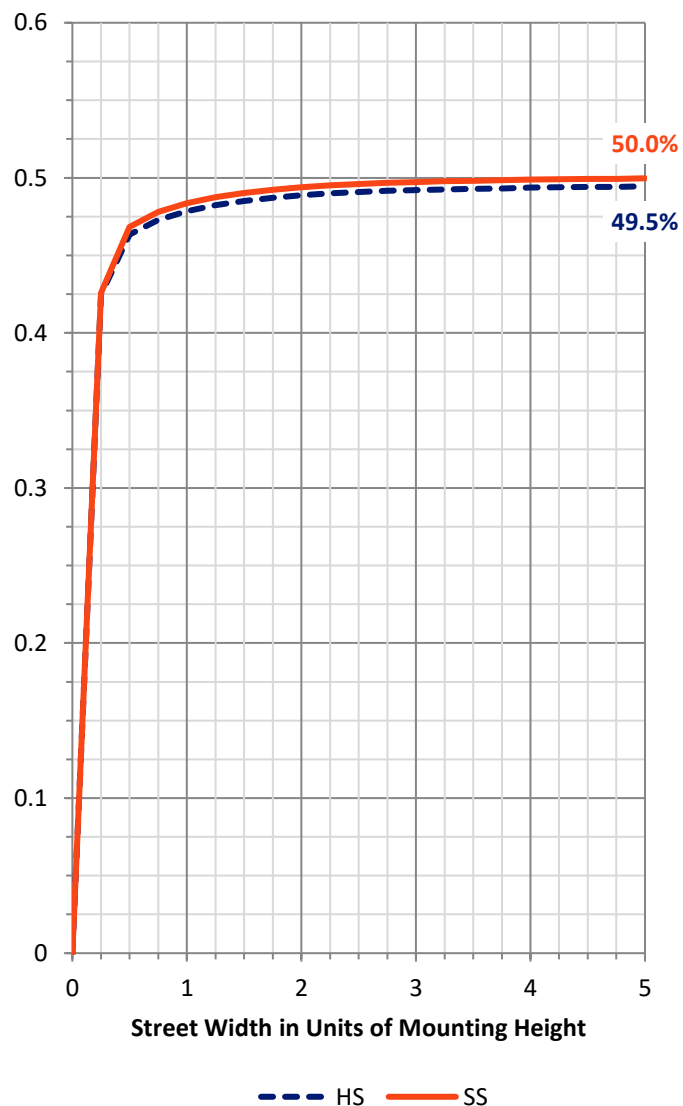
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11548.2	0.0	11548.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11548.2	0.0	11548.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23096.5	0.0	23096.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14171.5	61.4
10°-20°	5639.0	24.4
20°-30°	1300.2	5.6
30°-40°	493.6	2.1
40°-50°	402.9	1.7
50°-60°	386.9	1.7
60°-70°	370.7	1.6
70°-80°	245.4	1.1
80°-90°	86.2	0.4
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°	23096.5	100.0
0°-180°	23096.5	100.0

**Coefficient of Utilization**



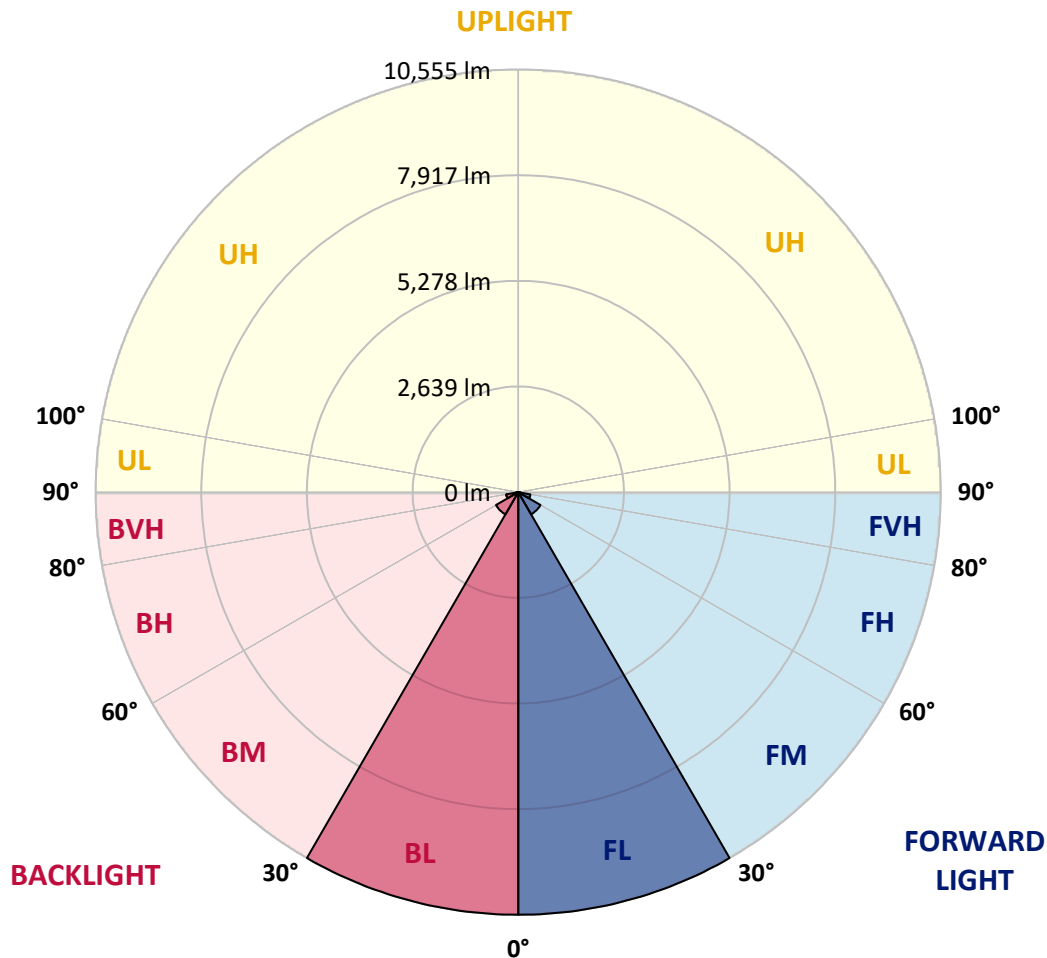
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10555.4	45.7			
FM (30°-60°)	641.7	2.8			
FH (60°-80°)	308.0	1.3			G0/660
FVH (80°-90°)	43.1	0.2			G1/100
BL (0°-30°)	10555.4	45.7	B5		
BM (30°-60°)	641.7	2.8	B1/1000		
BH (60°-80°)	308.0	1.3	B1/500		G0/660
BVH (80°-90°)	43.1	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°	342890.6
1°	336858.6
2°	319962.3
3°	290941.1
4°	251038.5
5°	206046.1
6°	161989.0
7°	124092.6
8°	92617.9
9°	69052.5
10°	51495.4
12.5°	28065.6
15°	18007.8
17.5°	12152.1
20°	7224.8
22.5°	4019.1
25°	2297.6
27.5°	1457.2
30°	1050.5
32.5°	857.4
35°	762.5
37.5°	708.2
40°	637.1
42.5°	565.9
45°	504.9
47.5°	474.4
50°	454.1
52.5°	440.5
55°	430.4
57.5°	423.6
60°	410.0
62.5°	399.9
65°	379.5
67.5°	352.4
70°	318.5
72.5°	274.5
75°	230.4
77.5°	189.8
80°	152.5
82.5°	118.6
85°	88.1
87.5°	33.9
90°	0.0

(END OF REPORT)