

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: P525936

Luminaire Tested: **IFLD-S-SA2D-940-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525936  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-940-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (32) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

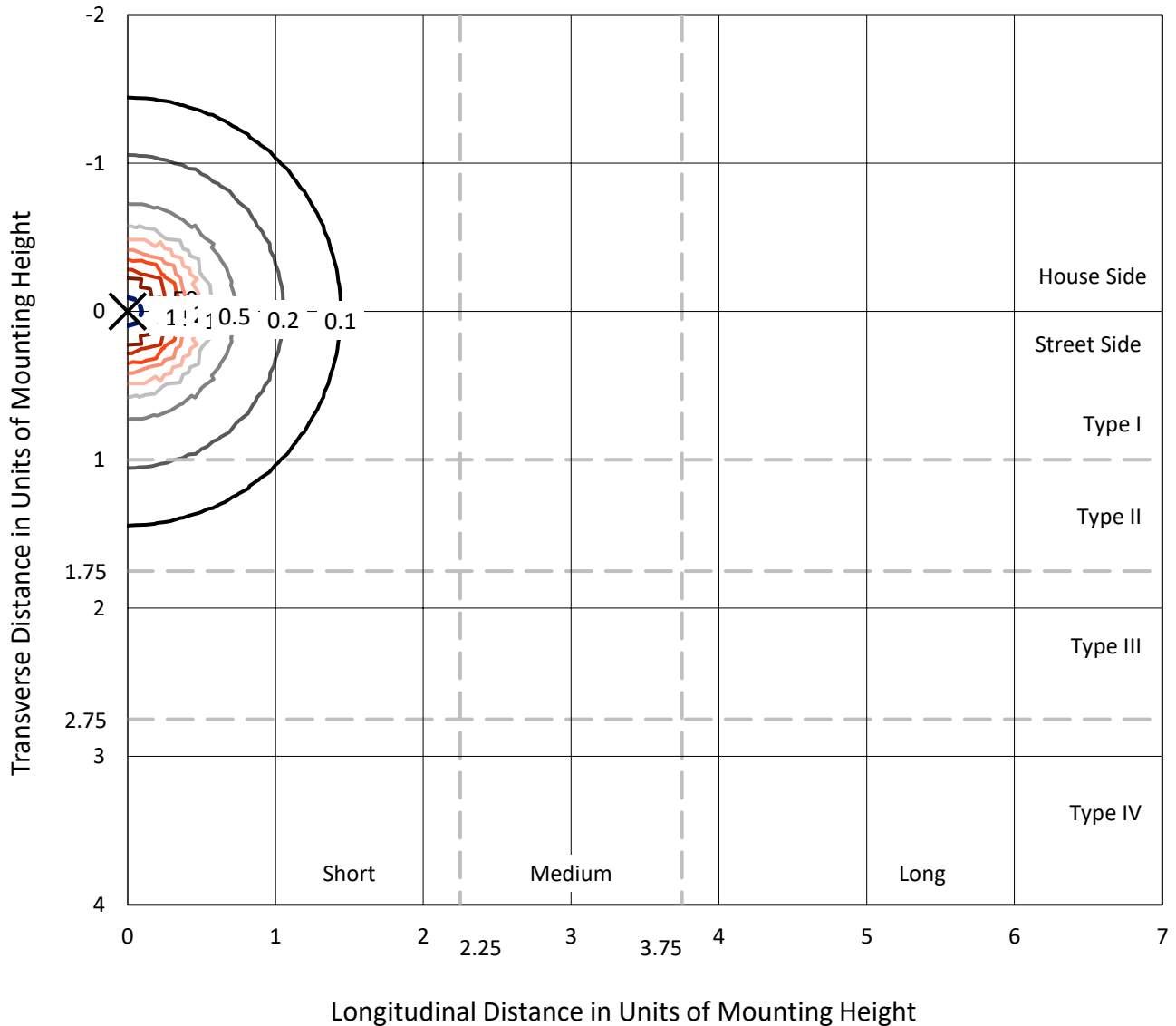
Lumens per Lamp: N/A  
Luminaire Lumens: 11546.4 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 123.9  
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

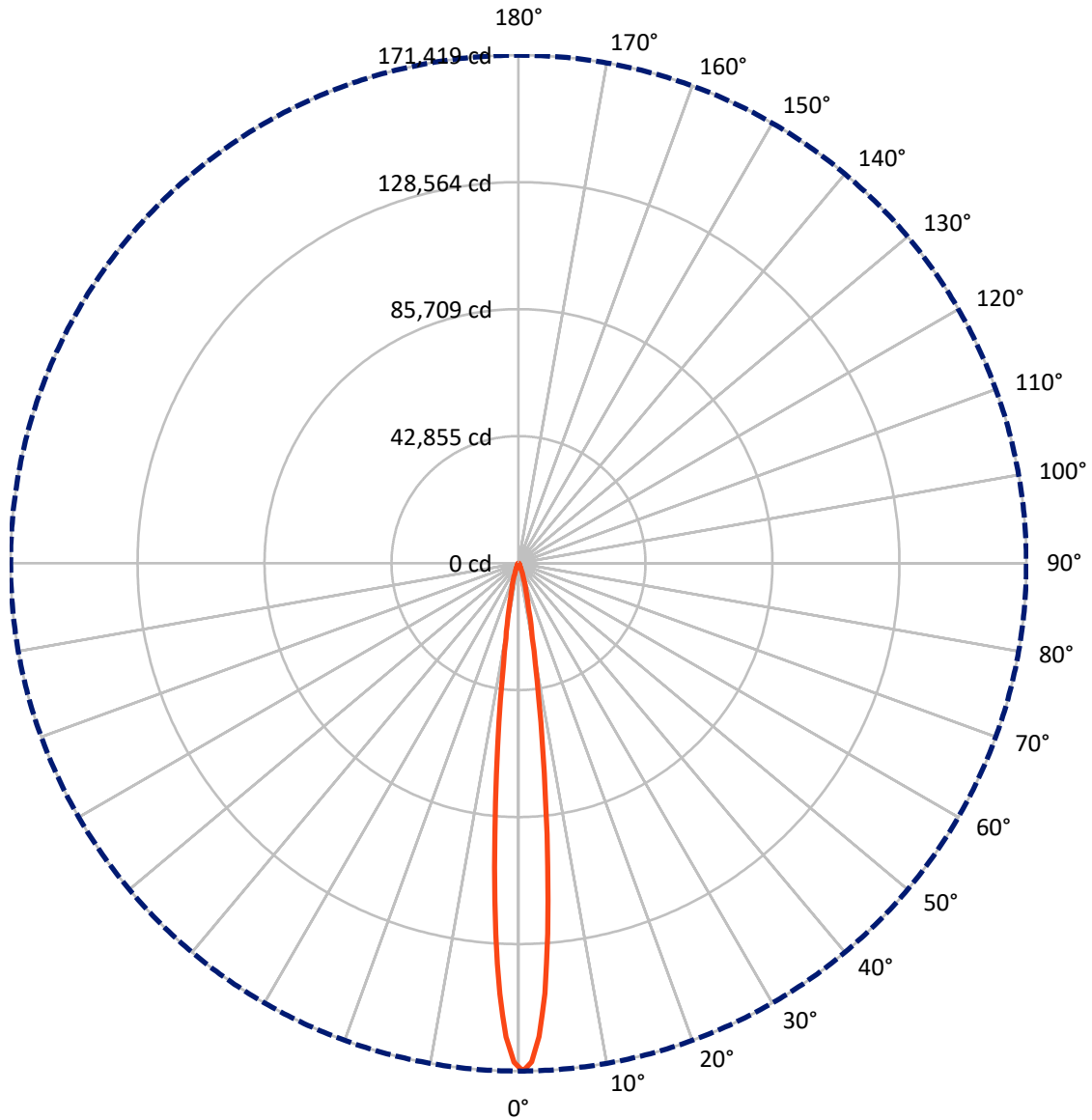
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 428.5 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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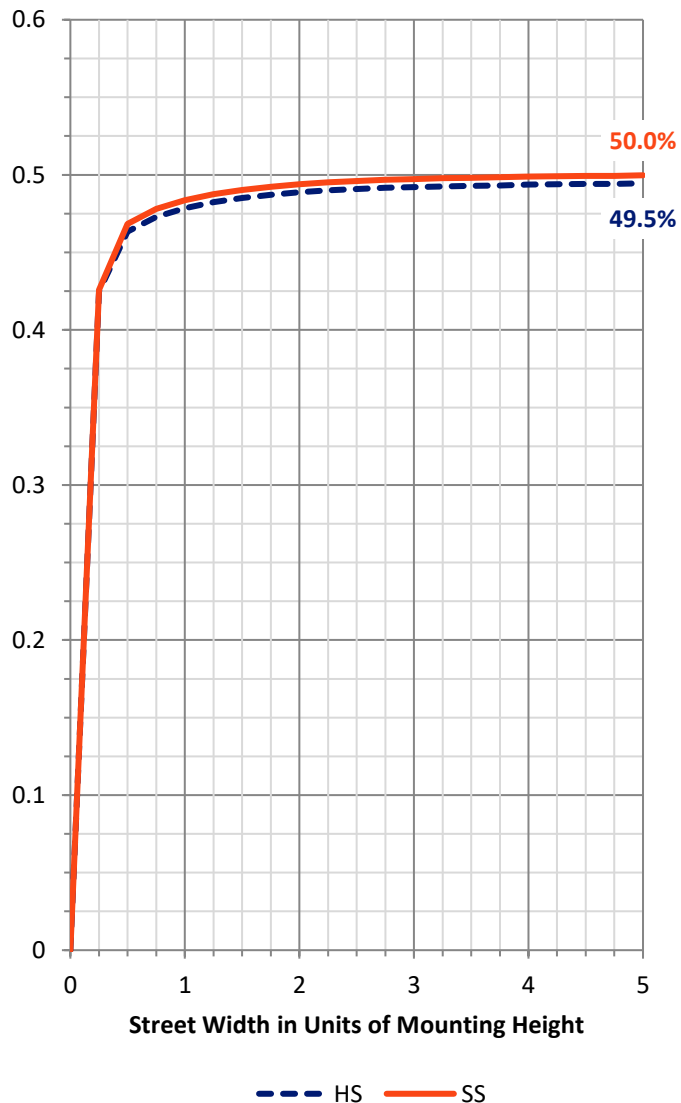
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5773.2	0.0	5773.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5773.2	0.0	5773.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11546.4	0.0	11546.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7084.7	61.4
10°-20°	2819.1	24.4
20°-30°	650.0	5.6
30°-40°	246.8	2.1
40°-50°	201.4	1.7
50°-60°	193.4	1.7
60°-70°	185.3	1.6
70°-80°	122.7	1.1
80°-90°	43.1	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°	11546.4	100.0
0°-180°	11546.4	100.0

**Coefficient of Utilization**



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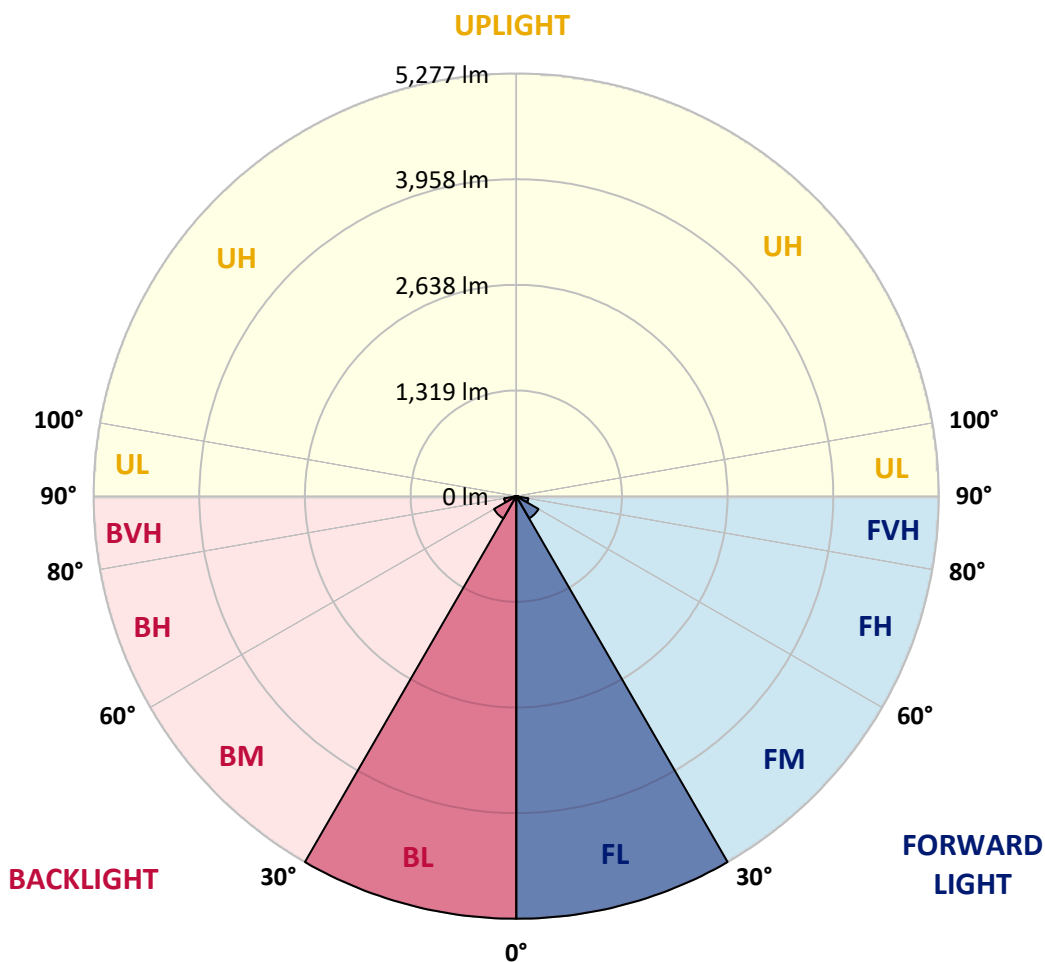
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5276.9	45.7			
FM (30°-60°)	320.8	2.8			
FH (60°-80°)	154.0	1.3			G0/660
FVH (80°-90°)	21.5	0.2			G1/100
BL (0°-30°)	5276.9	45.7	B5		
BM (30°-60°)	320.8	2.8	B1/1000		
BH (60°-80°)	154.0	1.3	B1/500		G0/660
BVH (80°-90°)	21.5	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°	171418.5
1°	168403.0
2°	159956.2
3°	145447.8
4°	125499.7
5°	103007.0
6°	80981.9
7°	62036.6
8°	46301.7
9°	34520.9
10°	25743.7
12.5°	14030.6
15°	9002.5
17.5°	6075.1
20°	3611.8
22.5°	2009.2
25°	1148.6
27.5°	728.5
30°	525.2
32.5°	428.6
35°	381.2
37.5°	354.1
40°	318.5
42.5°	282.9
45°	252.4
47.5°	237.2
50°	227.0
52.5°	220.2
55°	215.2
57.5°	211.8
60°	205.0
62.5°	199.9
65°	189.7
67.5°	176.2
70°	159.2
72.5°	137.2
75°	115.2
77.5°	94.9
80°	76.2
82.5°	59.3
85°	44.0
87.5°	16.9
90°	0.0

(END OF REPORT)