

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: P525954

Luminaire Tested: **IFLD-S-SA6B-940-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525954  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-940-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (96) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

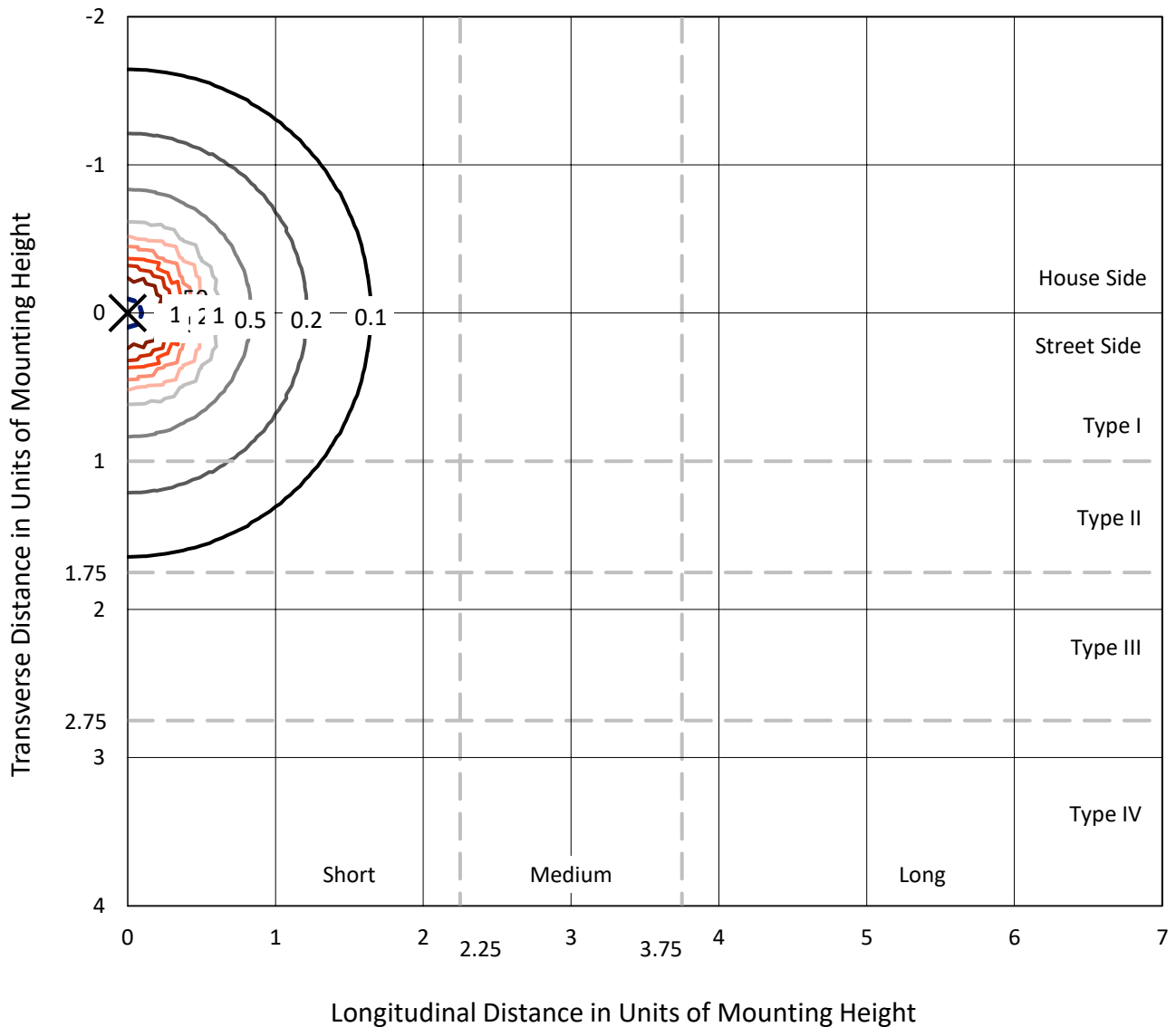
Lumens per Lamp: N/A  
Luminaire Lumens: 24643.8 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9  
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

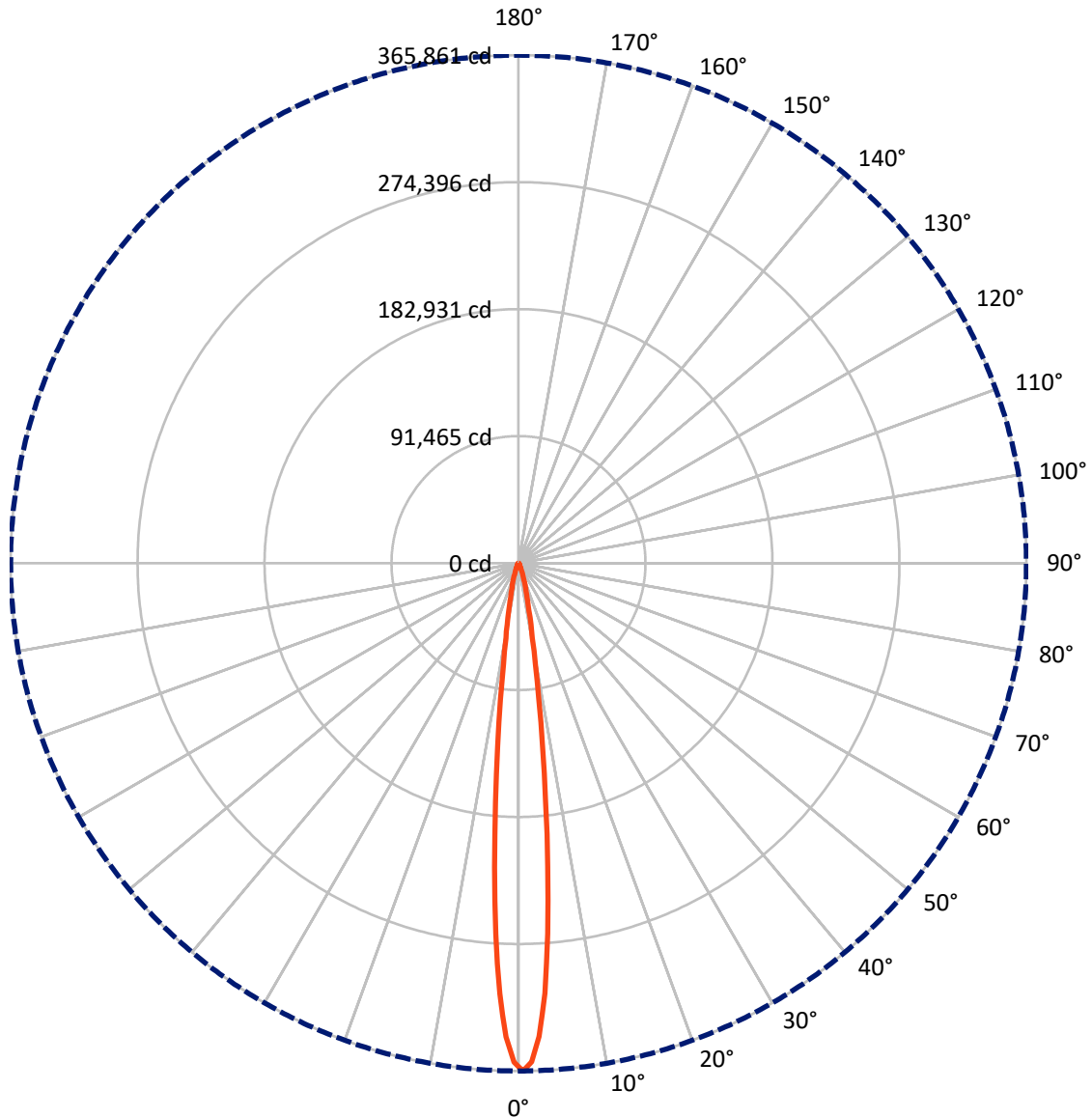
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 585.4 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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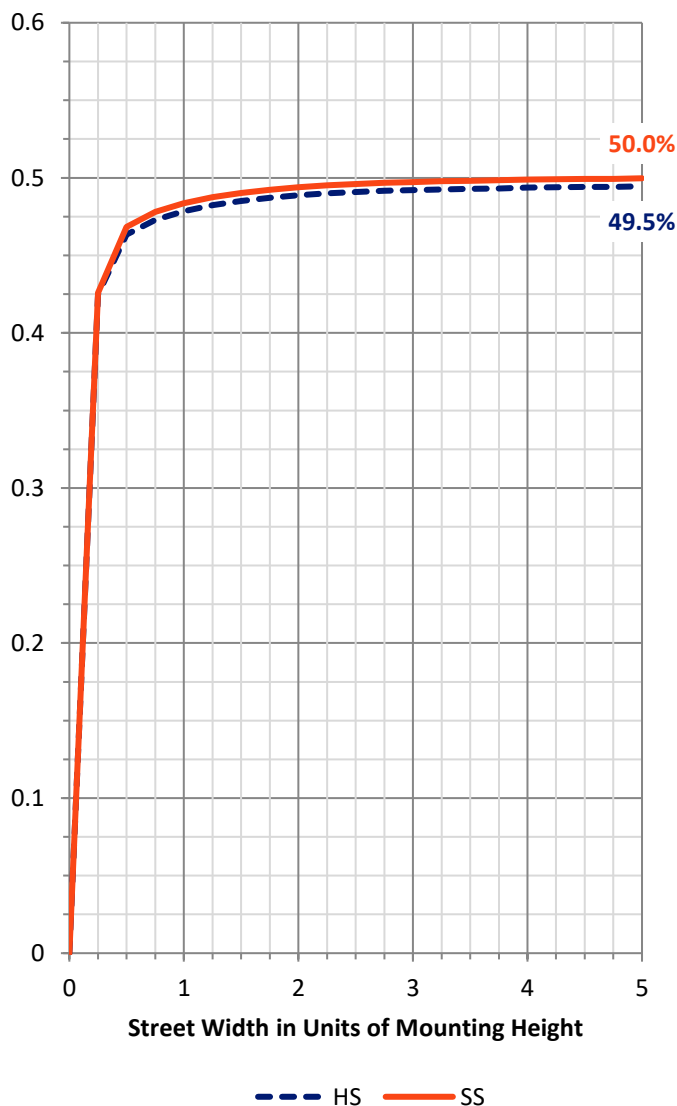
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12321.9	0.0	12321.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12321.9	0.0	12321.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24643.8	0.0	24643.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15120.9	61.4
10°-20°	6016.8	24.4
20°-30°	1387.3	5.6
30°-40°	526.7	2.1
40°-50°	429.8	1.7
50°-60°	412.8	1.7
60°-70°	395.5	1.6
70°-80°	261.8	1.1
80°-90°	92.0	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°	24643.8	100.0
0°-180°	24643.8	100.0

**Coefficient of Utilization**



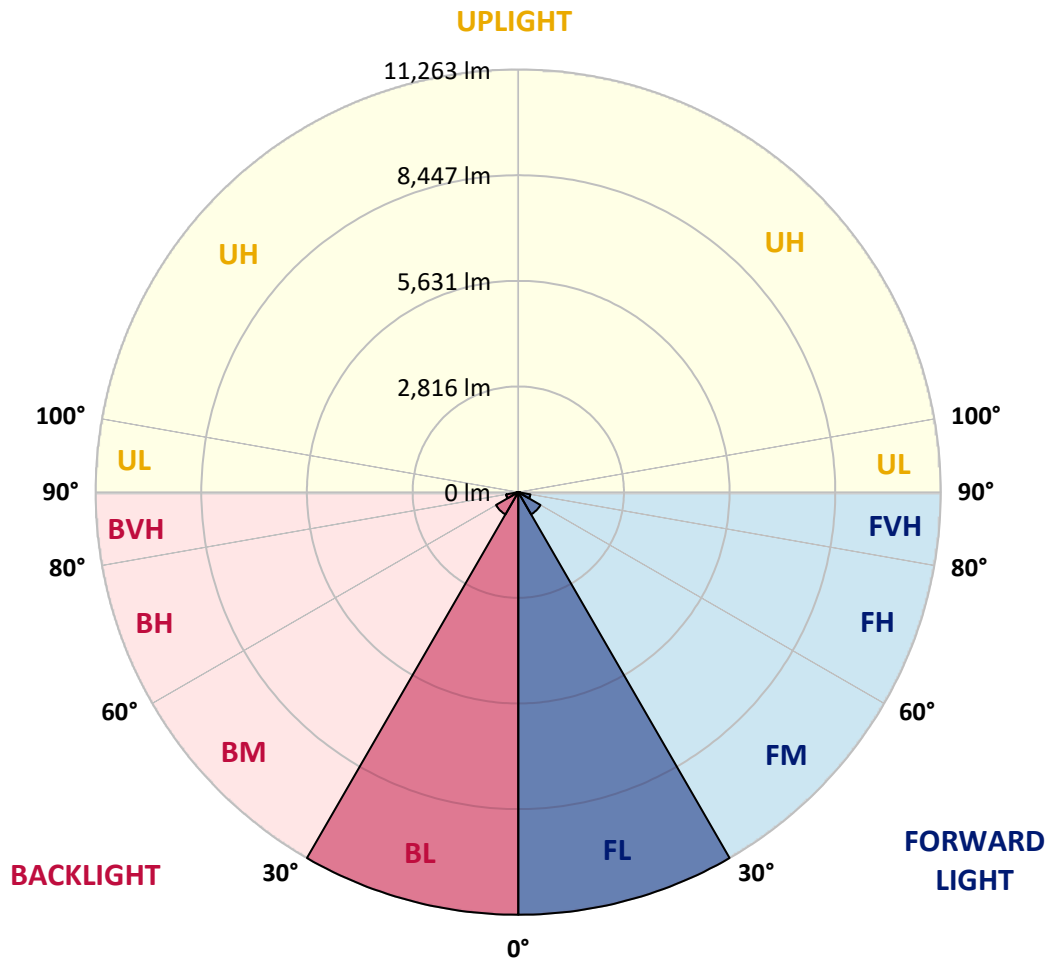
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11262.5	45.7			
FM (30°-60°)	684.7	2.8			
FH (60°-80°)	328.7	1.3			G0/660
FVH (80°-90°)	46.0	0.2			G1/100
BL (0°-30°)	11262.5	45.7	B5		
BM (30°-60°)	684.7	2.8	B1/1000		
BH (60°-80°)	328.7	1.3	B1/500		G0/660
BVH (80°-90°)	46.0	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°	365861.2
1°	359425.2
2°	341397.0
3°	310431.5
4°	267855.9
5°	219849.4
6°	172840.8
7°	132405.7
8°	98822.5
9°	73678.5
10°	54945.2
12.5°	29945.8
15°	19214.2
17.5°	12966.1
20°	7708.8
22.5°	4288.3
25°	2451.5
27.5°	1554.8
30°	1120.9
32.5°	914.8
35°	813.5
37.5°	755.7
40°	679.8
42.5°	603.8
45°	538.7
47.5°	506.2
50°	484.5
52.5°	470.0
55°	459.2
57.5°	452.0
60°	437.5
62.5°	426.7
65°	405.0
67.5°	376.0
70°	339.9
72.5°	292.9
75°	245.9
77.5°	202.5
80°	162.7
82.5°	126.6
85°	94.0
87.5°	36.2
90°	0.0

(END OF REPORT)