

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: P525971

Luminaire Tested: **IFLD-L-SA8D-940-U-22**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525971  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-940-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

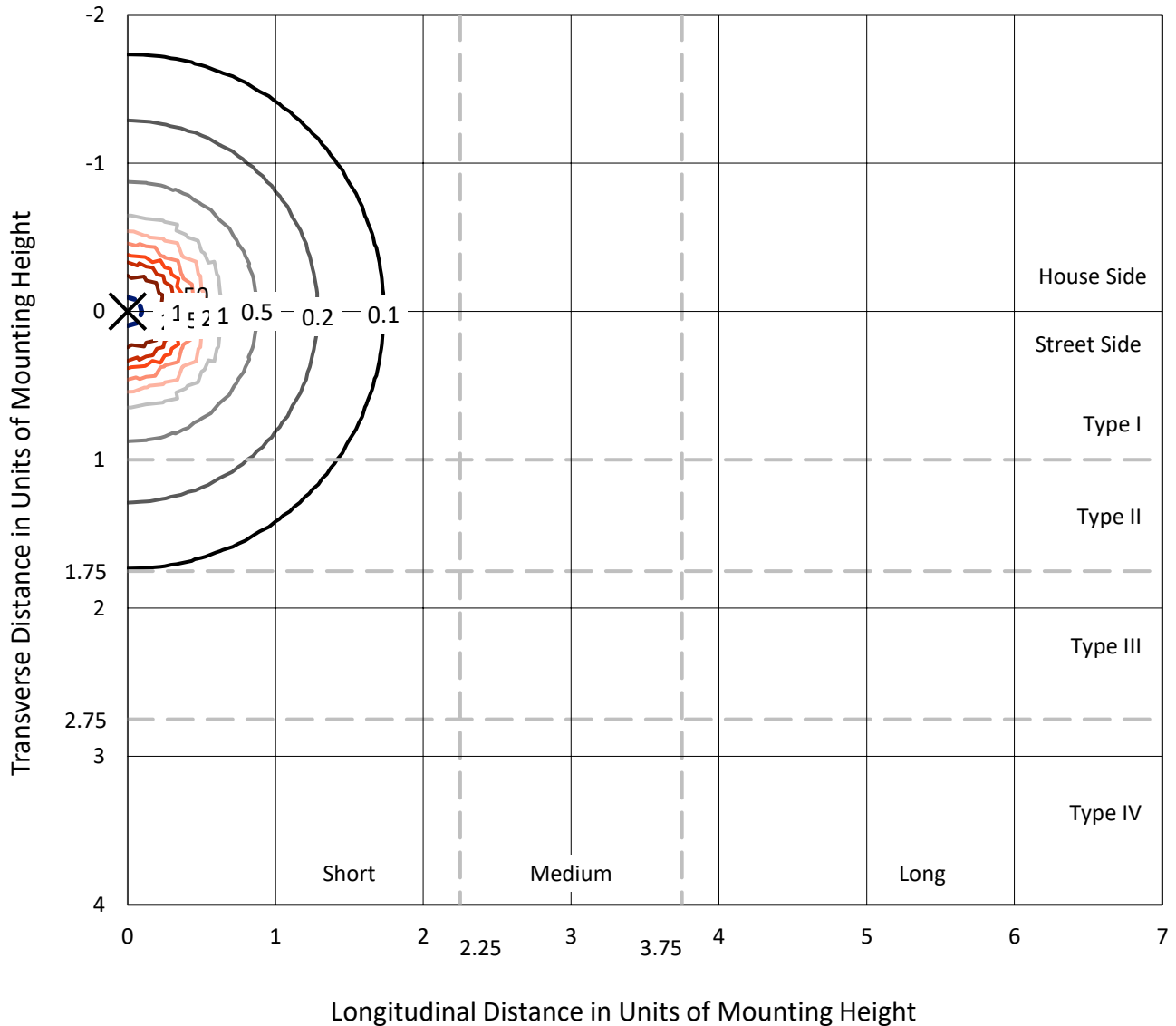
Lumens per Lamp: N/A  
Luminaire Lumens: 40486 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3  
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

REPORT NUMBER: P525971  
 CATALOG NUMBER: IFLD-L-SA8D-940-U-22

### Iso-Footcandle Lines of Horizontal Illumination

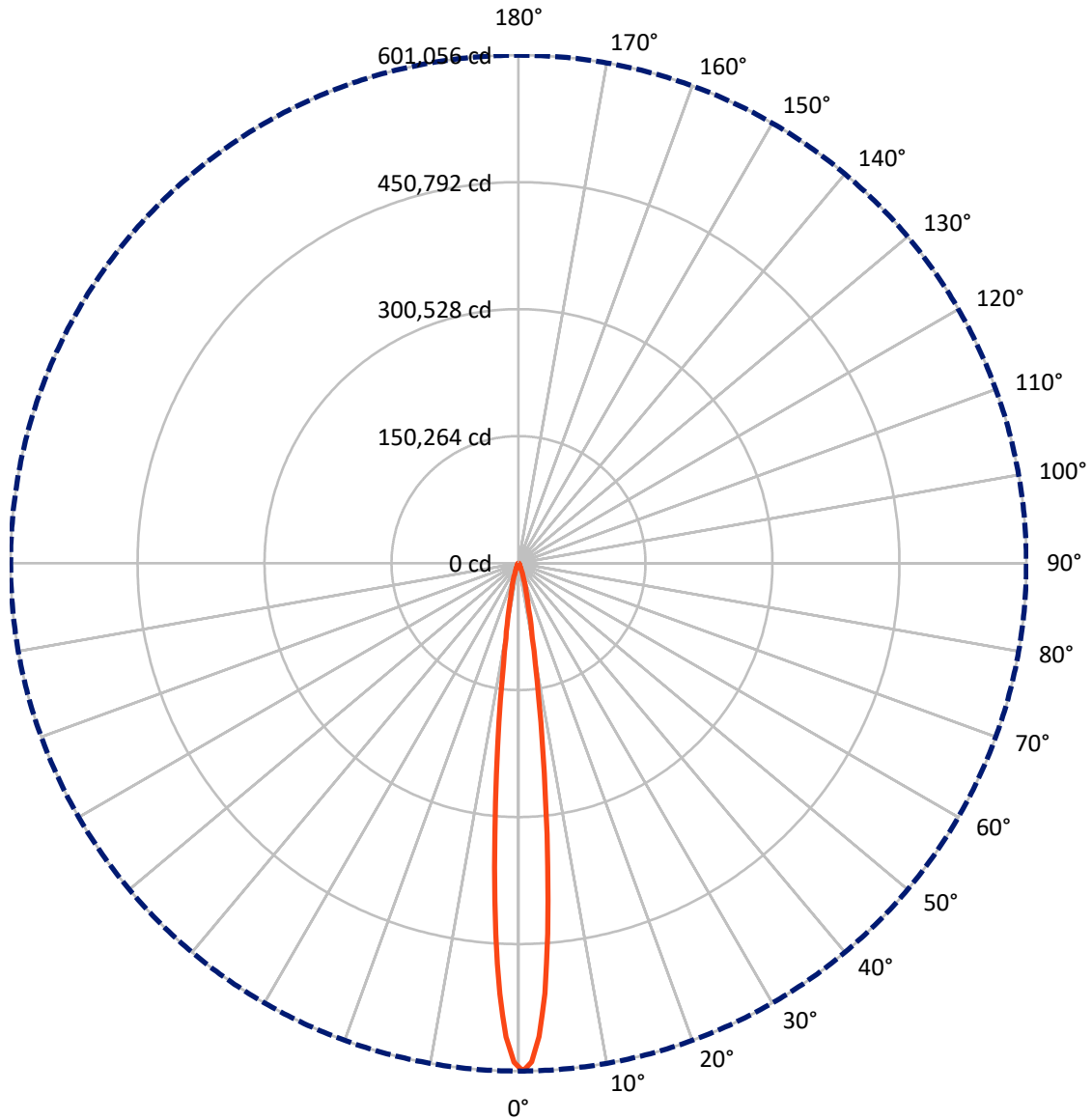
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 667.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P525971  
CATALOG NUMBER: IFLD-L-SA8D-940-U-22

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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 CATALOG NUMBER: IFLD-L-SA8D-940-U-22

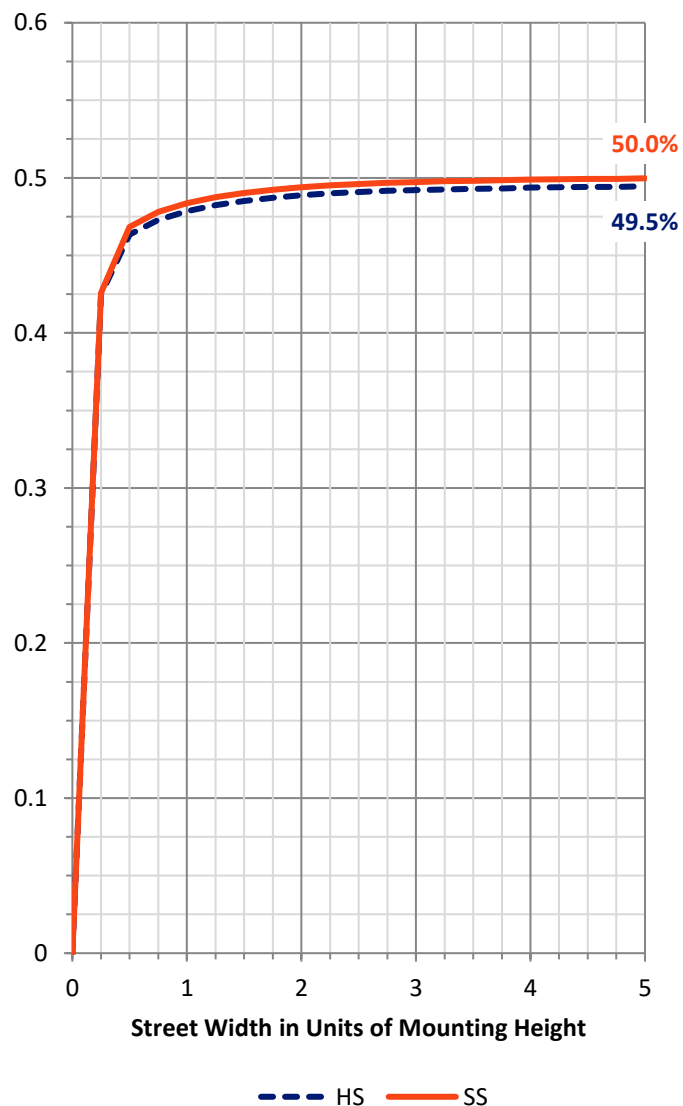
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20243.0	0.0	20243.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20243.0	0.0	20243.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40486.0	0.0	40486.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24841.4	61.4
10°-20°	9884.7	24.4
20°-30°	2279.2	5.6
30°-40°	865.3	2.1
40°-50°	706.2	1.7
50°-60°	678.2	1.7
60°-70°	649.8	1.6
70°-80°	430.1	1.1
80°-90°	151.1	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°	40486.0	100.0
0°-180°	40486.0	100.0

**Coefficient of Utilization**



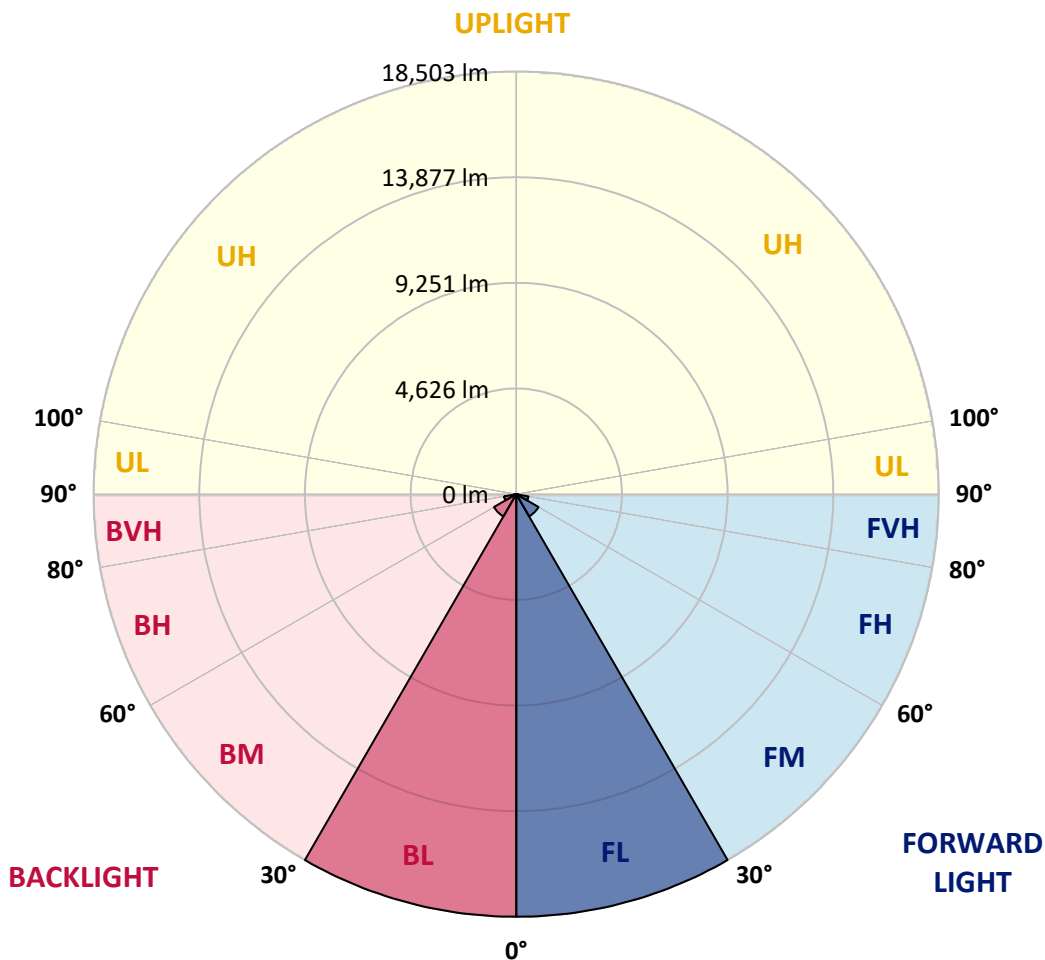
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 CATALOG NUMBER: IFLD-L-SA8D-940-U-22

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	18502.7	45.7			
FM (30°-60°)	1124.9	2.8			
FH (60°-80°)	539.9	1.3			G0/660
FVH (80°-90°)	75.6	0.2			G1/100
BL (0°-30°)	18502.7	45.7	B5		
BM (30°-60°)	1124.9	2.8	B2/2500		
BH (60°-80°)	539.9	1.3	B2/1000		G0/660
BVH (80°-90°)	75.6	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°	601056.2
1°	590482.7
2°	560865.0
3°	509993.4
4°	440047.9
5°	361180.2
6°	283952.1
7°	217523.1
8°	162350.8
9°	121042.9
10°	90266.8
12.5°	49196.5
15°	31566.1
17.5°	21301.5
20°	12664.4
22.5°	7045.0
25°	4027.4
27.5°	2554.3
30°	1841.5
32.5°	1502.9
35°	1336.5
37.5°	1241.5
40°	1116.8
42.5°	992.0
45°	885.1
47.5°	831.6
50°	796.0
52.5°	772.2
55°	754.4
57.5°	742.5
60°	718.8
62.5°	700.9
65°	665.3
67.5°	617.8
70°	558.4
72.5°	481.2
75°	403.9
77.5°	332.6
80°	267.3
82.5°	207.9
85°	154.4
87.5°	59.4
90°	0.0

(END OF REPORT)