

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: P525934

Luminaire Tested: **IFLD-S-SA2B-940-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525934  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-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**

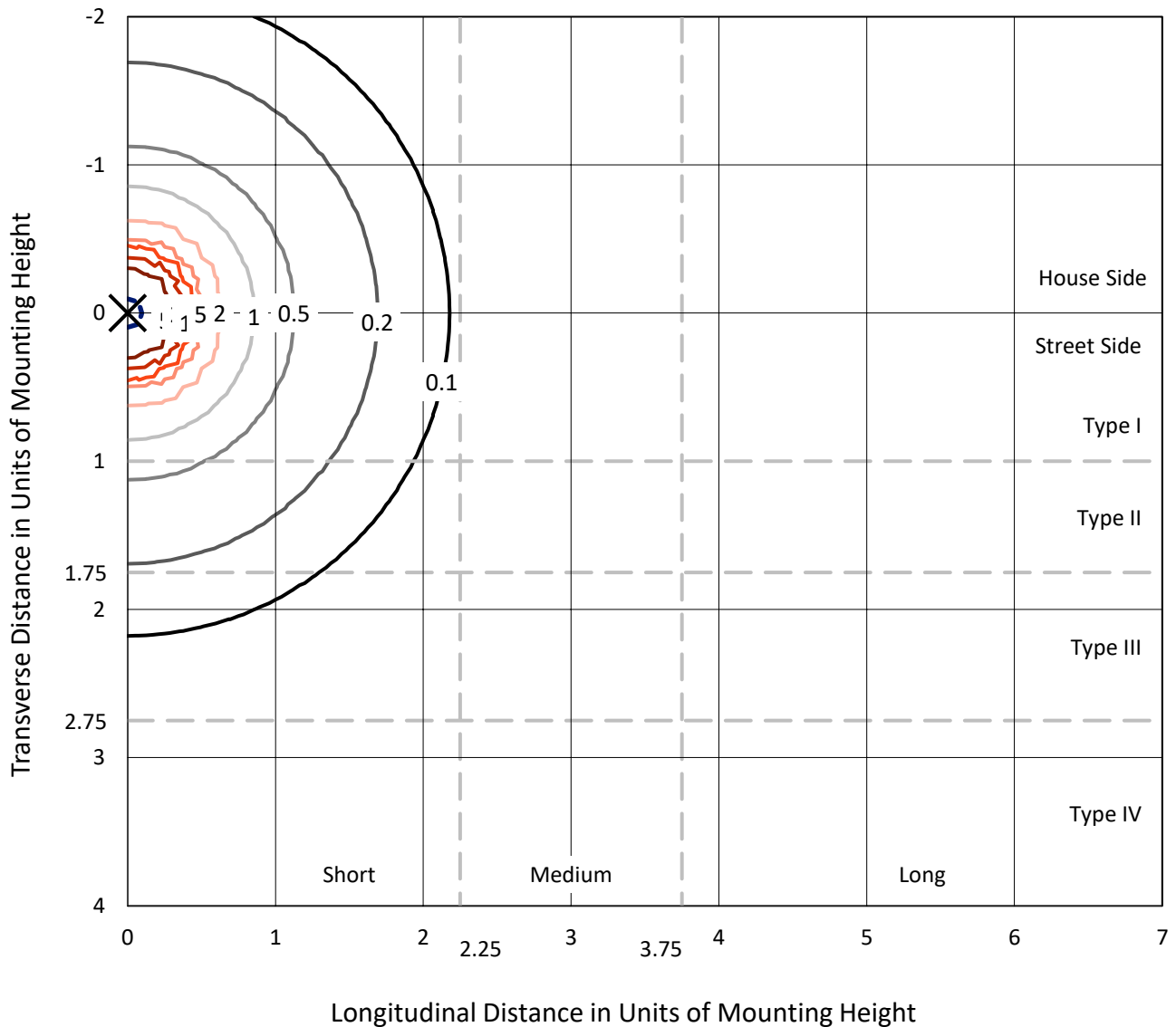
Lumens per Lamp: N/A  
Luminaire Lumens: 8429.6 lumens  
Efficiency: N/A  
Efficacy: 102.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 82.4  
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: P525934  
 CATALOG NUMBER: IFLD-S-SA2B-940-U-22

### Iso-Footcandle Lines of Horizontal Illumination

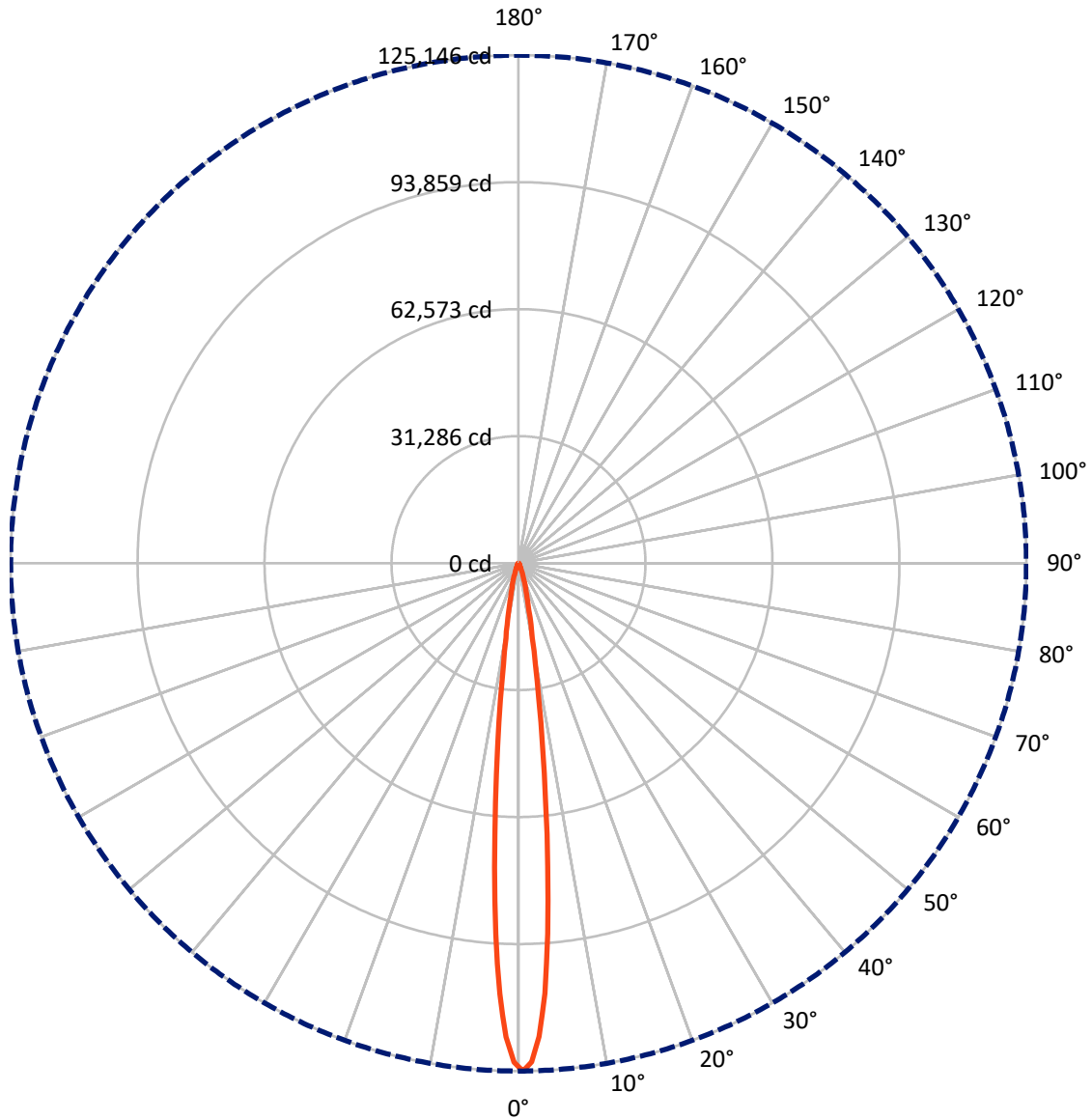
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1251.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P525934  
CATALOG NUMBER: IFLD-S-SA2B-940-U-22

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525934

CATALOG NUMBER: IFLD-S-SA2B-940-U-22

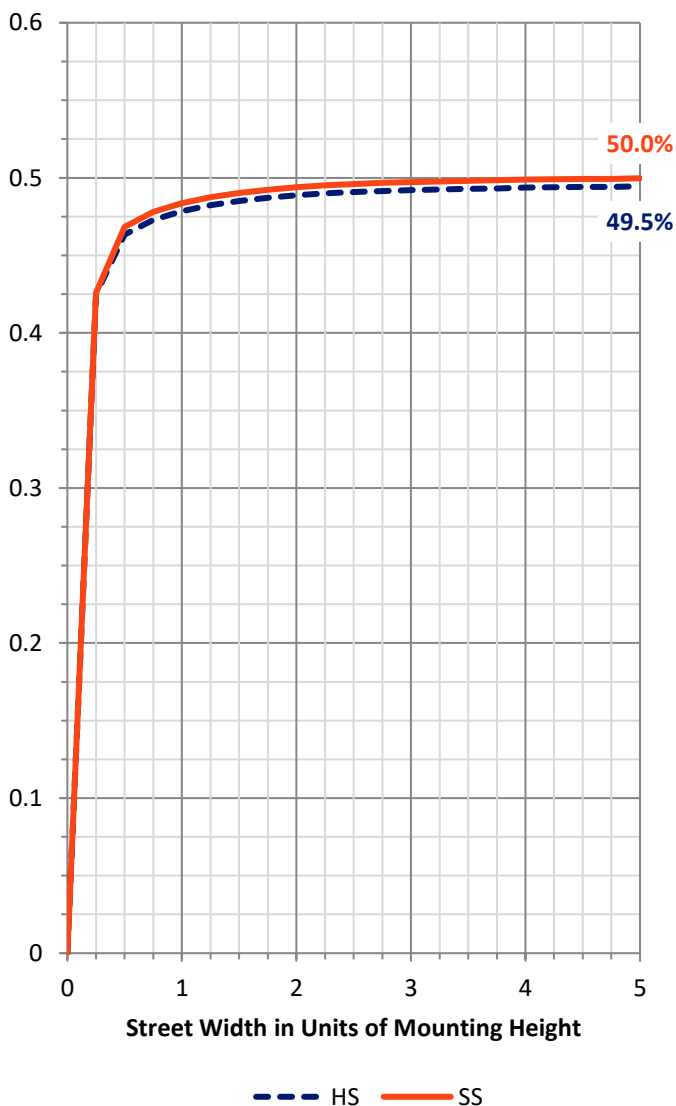
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4214.8	0.0	4214.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4214.8	0.0	4214.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8429.6	0.0	8429.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5172.2	61.4
10°-20°	2058.1	24.4
20°-30°	474.5	5.6
30°-40°	180.2	2.1
40°-50°	147.0	1.7
50°-60°	141.2	1.7
60°-70°	135.3	1.6
70°-80°	89.6	1.1
80°-90°	31.5	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°	8429.6	100.0
0°-180°	8429.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P525934

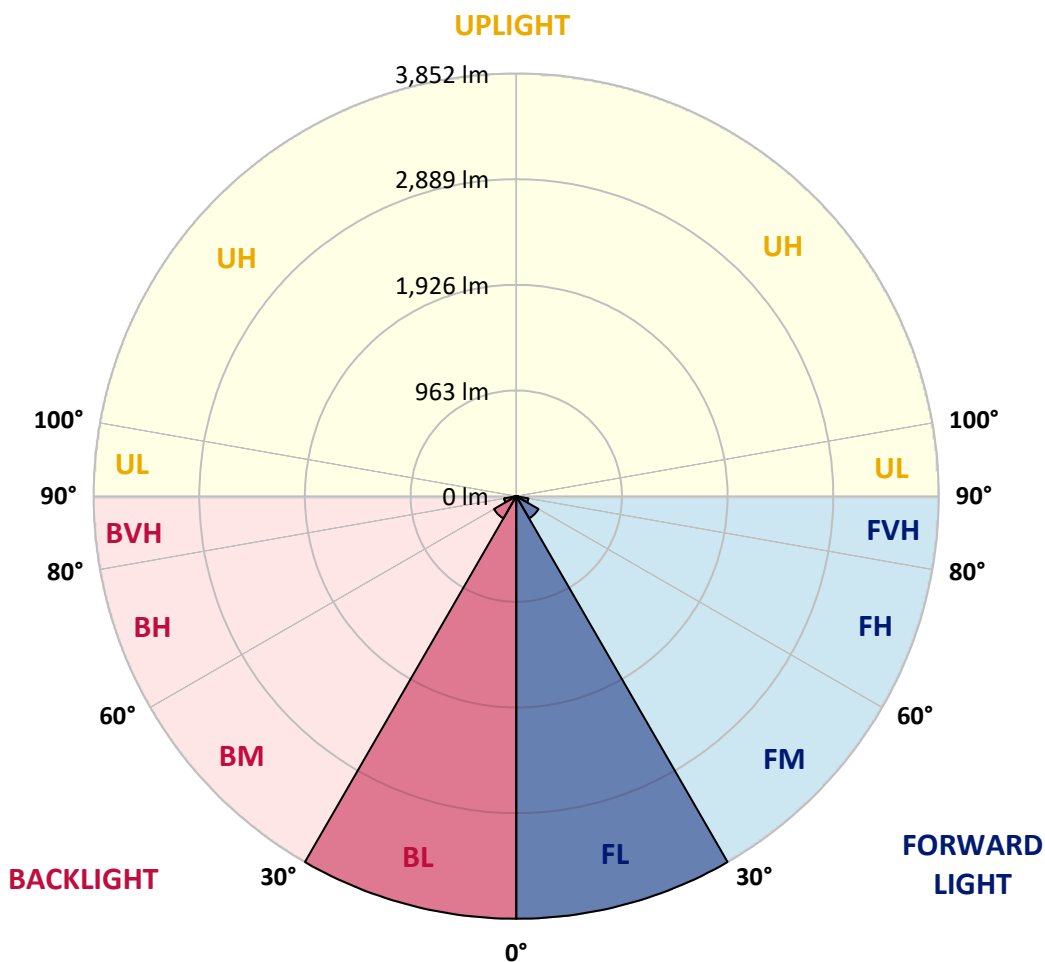
CATALOG NUMBER: IFLD-S-SA2B-940-U-22

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3852.4	45.7			
FM (30°-60°)	234.2	2.8			
FH (60°-80°)	112.4	1.3			G0/660
FVH (80°-90°)	15.7	0.2			G1/100
BL (0°-30°)	3852.4	45.7	B4/5000		
BM (30°-60°)	234.2	2.8	B1/1000		
BH (60°-80°)	112.4	1.3	B1/500		G0/660
BVH (80°-90°)	15.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	125145.6
1°	122944.1
2°	116777.4
3°	106185.5
4°	91622.1
5°	75201.1
6°	59121.5
7°	45290.4
8°	33803.0
9°	25202.3
10°	18794.4
12.5°	10243.2
15°	6572.4
17.5°	4435.2
20°	2636.9
22.5°	1466.8
25°	838.6
27.5°	531.8
30°	383.4
32.5°	312.9
35°	278.3
37.5°	258.5
40°	232.5
42.5°	206.5
45°	184.3
47.5°	173.2
50°	165.7
52.5°	160.8
55°	157.1
57.5°	154.6
60°	149.7
62.5°	145.9
65°	138.5
67.5°	128.6
70°	116.3
72.5°	100.2
75°	84.1
77.5°	69.3
80°	55.7
82.5°	43.3
85°	32.2
87.5°	12.4
90°	0.0

(END OF REPORT)