

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: P525937

Luminaire Tested: **IFLD-S-SA2E-940-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525937  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2E-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**

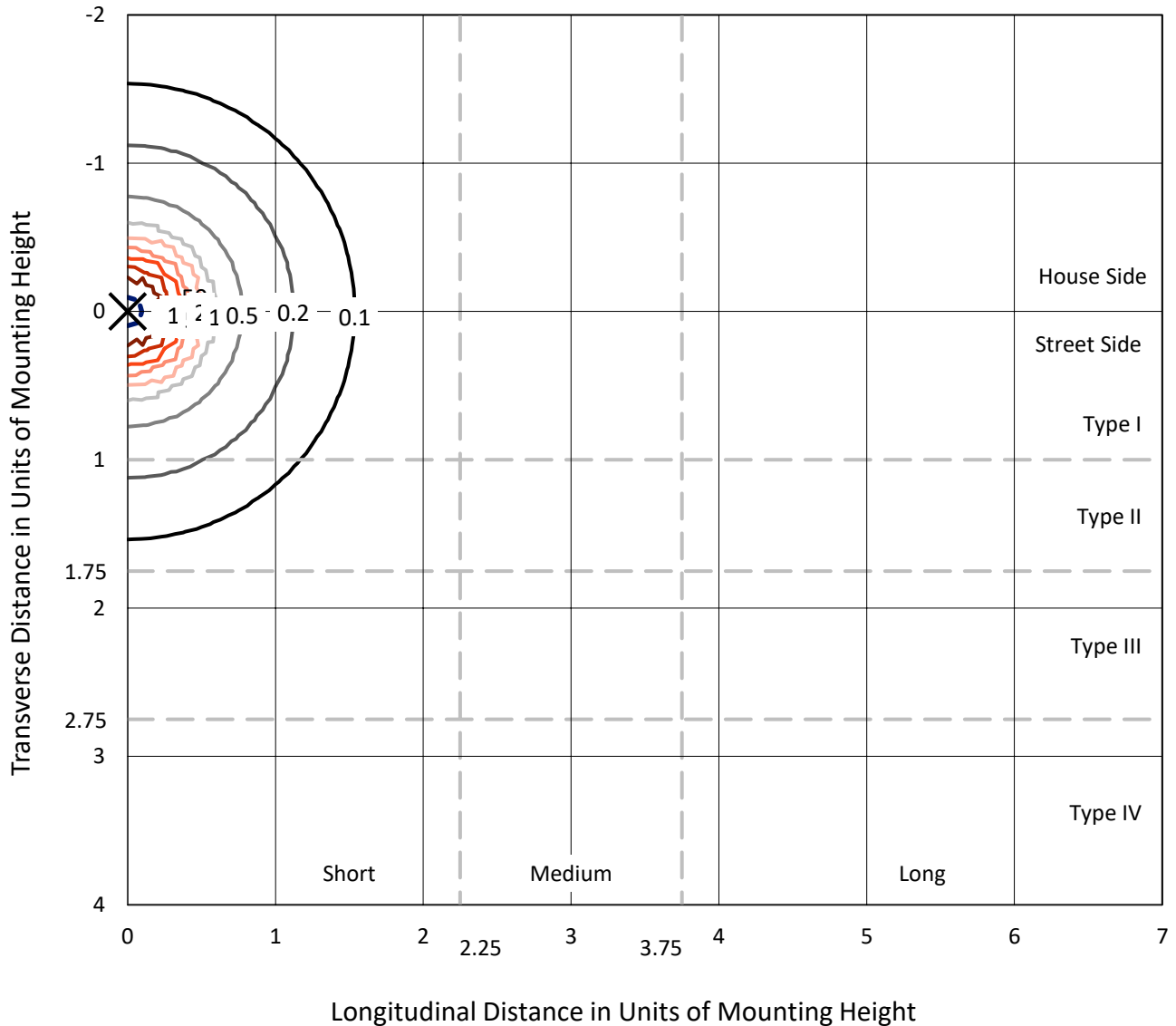
Lumens per Lamp: N/A  
Luminaire Lumens: 13362.5 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 156.2  
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: P525937  
 CATALOG NUMBER: IFLD-S-SA2E-940-U-22

### Iso-Footcandle Lines of Horizontal Illumination

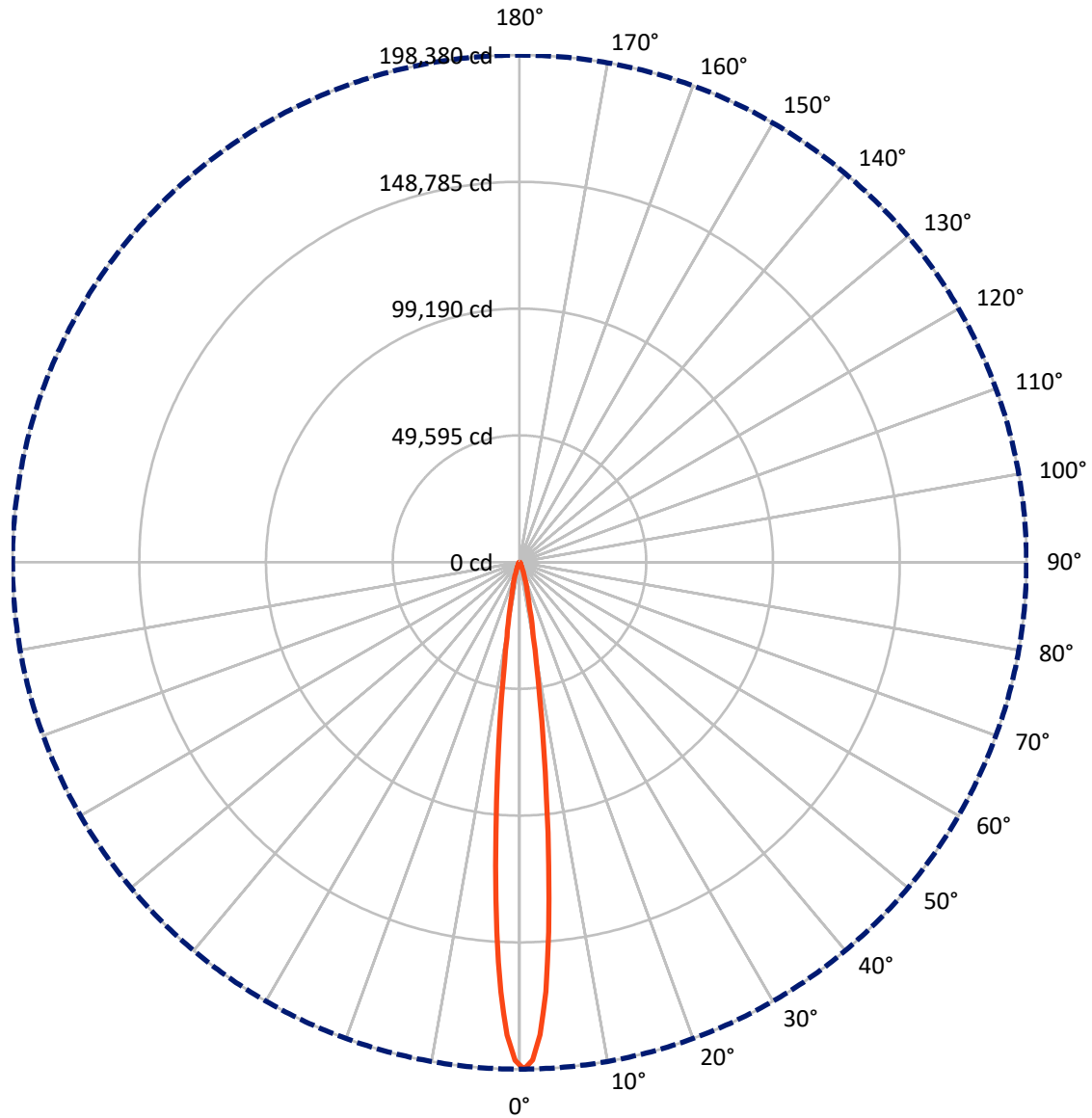
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 495.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P525937  
CATALOG NUMBER: IFLD-S-SA2E-940-U-22

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525937

CATALOG NUMBER: IFLD-S-SA2E-940-U-22

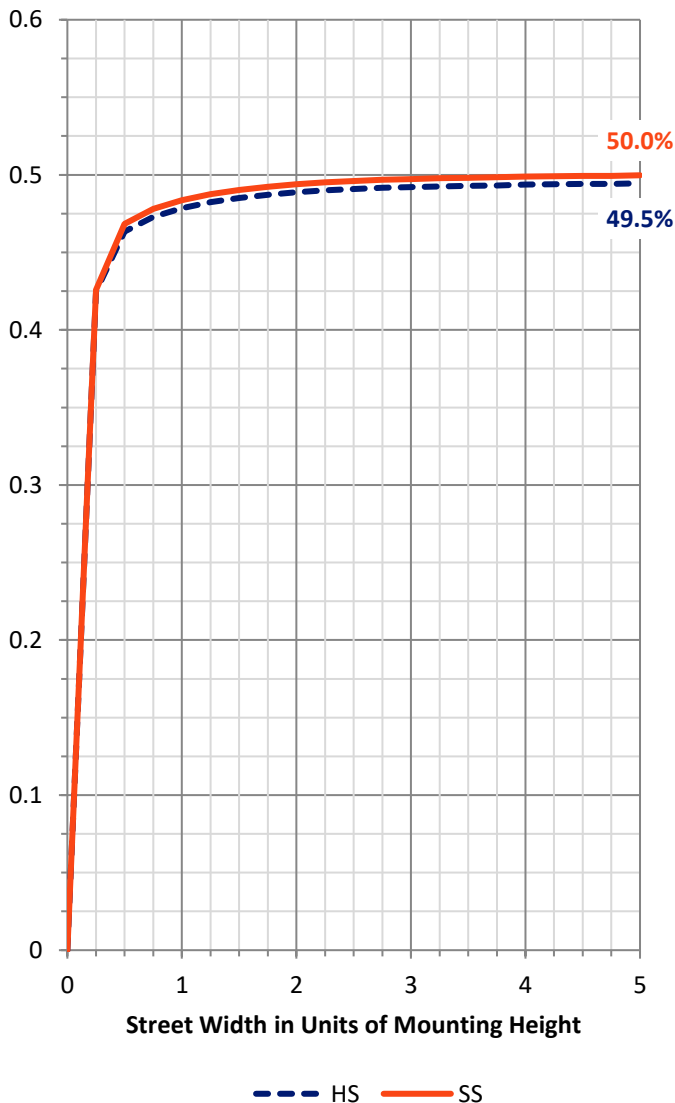
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6681.2	0.0	6681.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6681.2	0.0	6681.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13362.5	0.0	13362.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8199.0	61.4
10°-20°	3262.5	24.4
20°-30°	752.2	5.6
30°-40°	285.6	2.1
40°-50°	233.1	1.7
50°-60°	223.9	1.7
60°-70°	214.5	1.6
70°-80°	142.0	1.1
80°-90°	49.9	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°	13362.5	100.0
0°-180°	13362.5	100.0



REPORT NUMBER: P525937

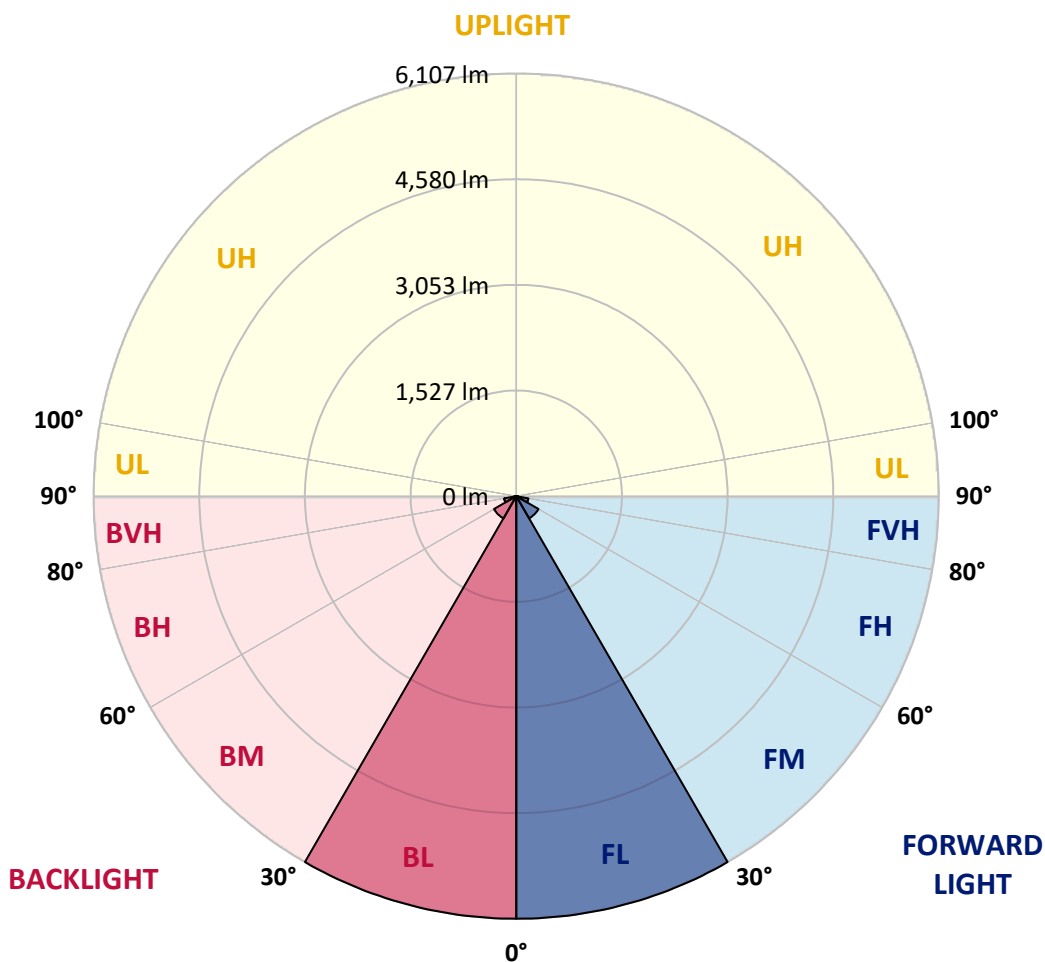
CATALOG NUMBER: IFLD-S-SA2E-940-U-22

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6106.8	45.7			
FM (30°-60°)	371.3	2.8			
FH (60°-80°)	178.2	1.3			G0/660
FVH (80°-90°)	24.9	0.2			G1/100
BL (0°-30°)	6106.8	45.7	B5		
BM (30°-60°)	371.3	2.8	B1/1000		
BH (60°-80°)	178.2	1.3	B1/500		G0/660
BVH (80°-90°)	24.9	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





REPORT NUMBER: P525937  
CATALOG NUMBER: IFLD-S-SA2E-940-U-22

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	198379.9
1°	194890.1
2°	185114.7
3°	168324.4
4°	145238.7
5°	119208.3
6°	93719.0
7°	71794.0
8°	53584.2
9°	39950.5
10°	29792.8
12.5°	16237.4
15°	10418.4
17.5°	7030.6
20°	4179.9
22.5°	2325.2
25°	1329.3
27.5°	843.0
30°	607.8
32.5°	496.0
35°	441.1
37.5°	409.8
40°	368.6
42.5°	327.4
45°	292.1
47.5°	274.5
50°	262.7
52.5°	254.9
55°	249.0
57.5°	245.1
60°	237.2
62.5°	231.3
65°	219.6
67.5°	203.9
70°	184.3
72.5°	158.8
75°	133.3
77.5°	109.8
80°	88.2
82.5°	68.6
85°	51.0
87.5°	19.6
90°	0.0

(END OF REPORT)