

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: P525953

Luminaire Tested: **IFLD-S-SA6A-940-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525953  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-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**

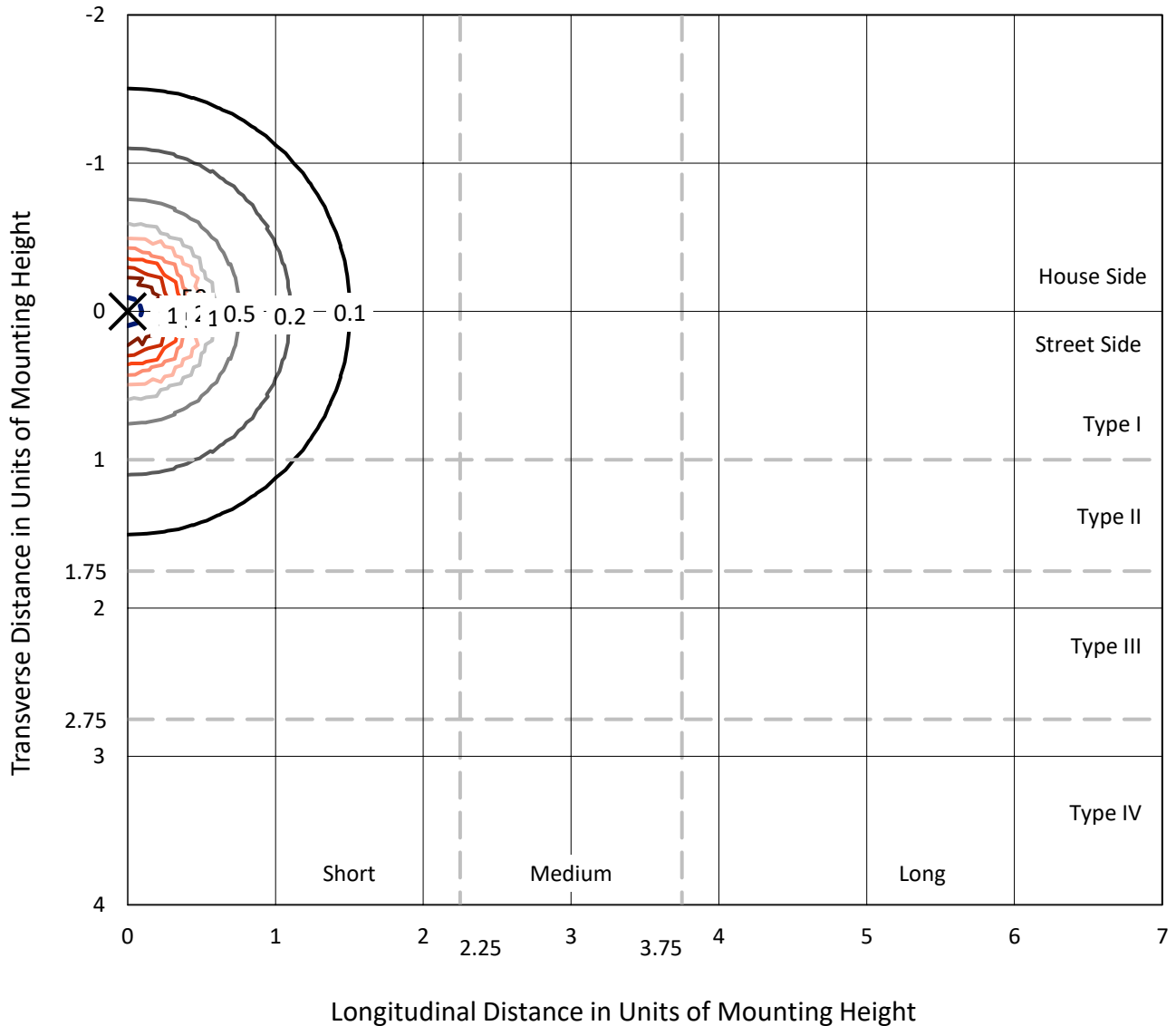
Lumens per Lamp: N/A  
Luminaire Lumens: 19926.3 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6  
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: P525953  
 CATALOG NUMBER: IFLD-S-SA6A-940-U-22

### Iso-Footcandle Lines of Horizontal Illumination

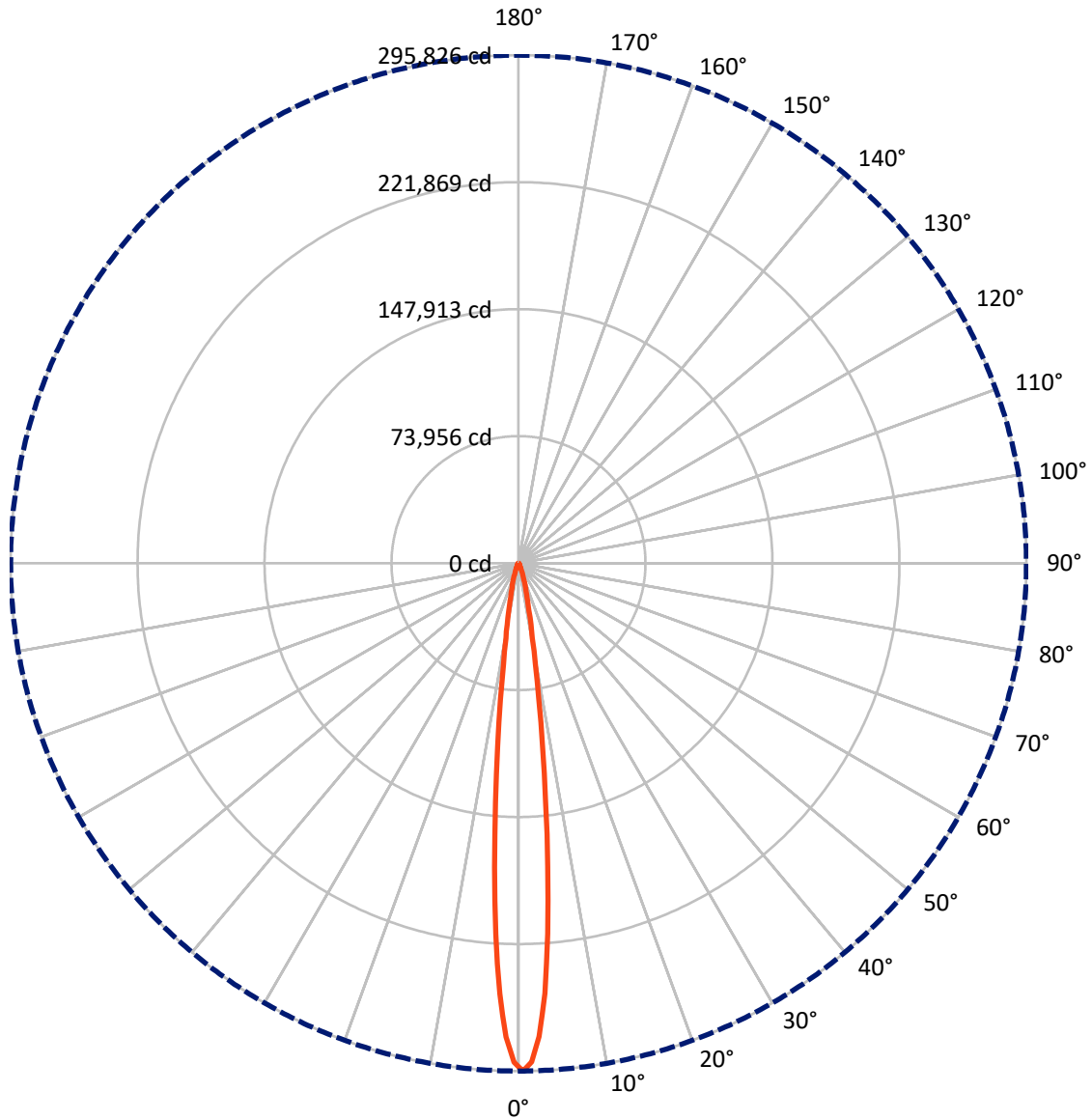
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 473.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P525953  
CATALOG NUMBER: IFLD-S-SA6A-940-U-22

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525953  
 CATALOG NUMBER: IFLD-S-SA6A-940-U-22

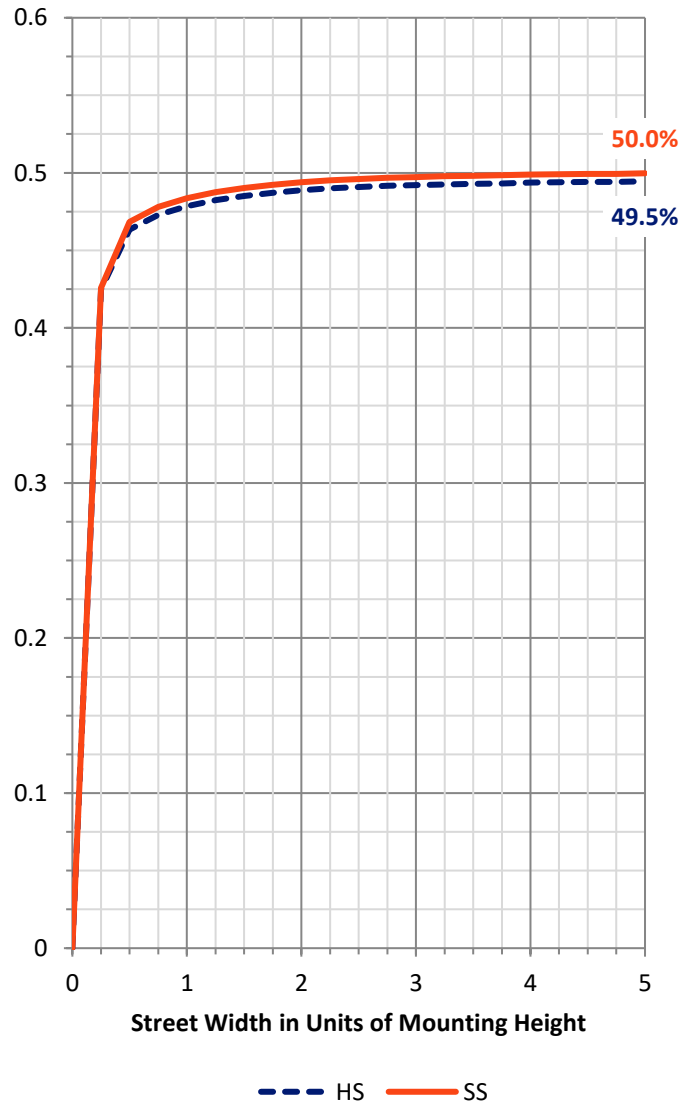
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9963.1	0.0	9963.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9963.1	0.0	9963.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19926.3	0.0	19926.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12226.4	61.4
10°-20°	4865.0	24.4
20°-30°	1121.8	5.6
30°-40°	425.9	2.1
40°-50°	347.6	1.7
50°-60°	333.8	1.7
60°-70°	319.8	1.6
70°-80°	211.7	1.1
80°-90°	74.4	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°	19926.3	100.0
0°-180°	19926.3	100.0

**Coefficient of Utilization**



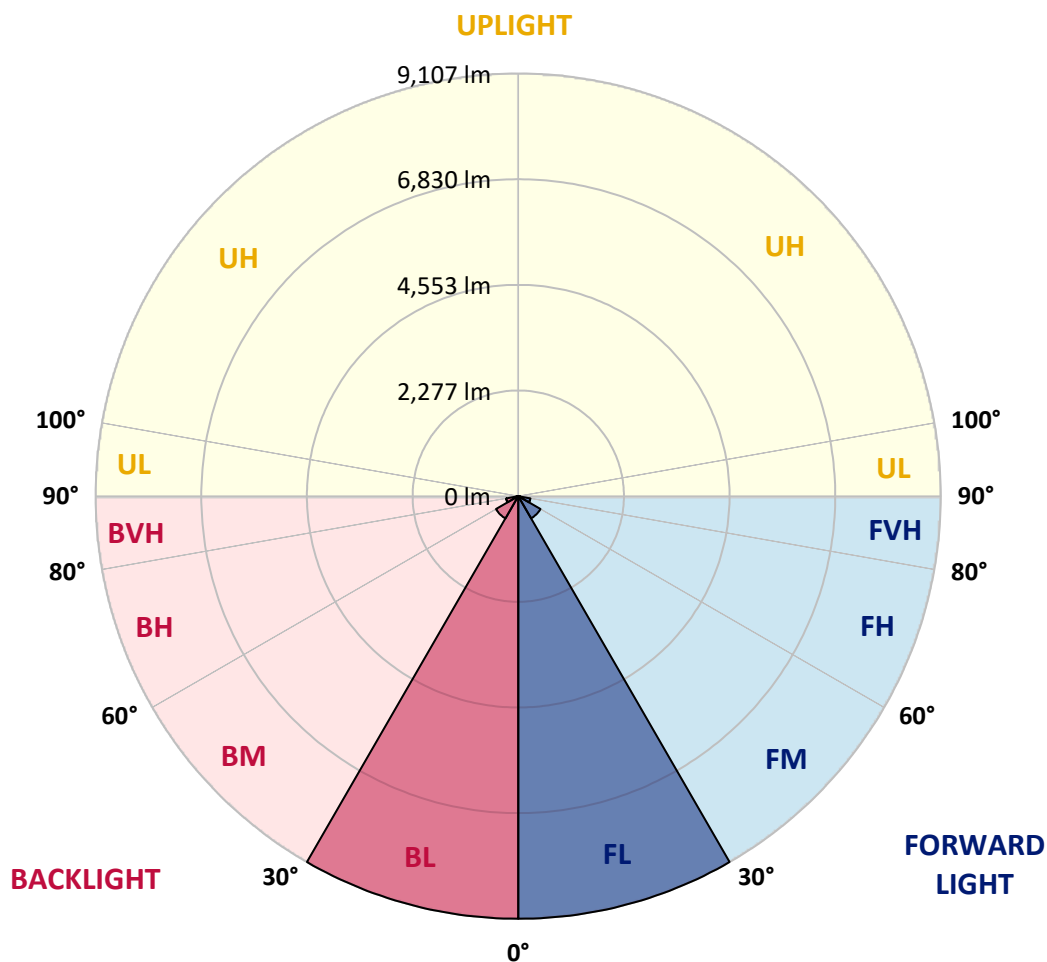
REPORT NUMBER: P525953  
 CATALOG NUMBER: IFLD-S-SA6A-940-U-22

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9106.6	45.7			
FM (30°-60°)	553.6	2.8			
FH (60°-80°)	265.7	1.3			G0/660
FVH (80°-90°)	37.2	0.2			G1/100
BL (0°-30°)	9106.6	45.7	B5		
BM (30°-60°)	553.6	2.8	B1/1000		
BH (60°-80°)	265.7	1.3	B1/500		G0/660
BVH (80°-90°)	37.2	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: P525953  
CATALOG NUMBER: IFLD-S-SA6A-940-U-22

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	295825.9
1°	290621.9
2°	276044.7
3°	251006.9
4°	216581.3
5°	177764.5
6°	139754.6
7°	107059.8
8°	79905.3
9°	59574.5
10°	44427.2
12.5°	24213.4
15°	15536.1
17.5°	10484.1
20°	6233.1
22.5°	3467.4
25°	1982.2
27.5°	1257.2
30°	906.3
32.5°	739.7
35°	657.8
37.5°	611.0
40°	549.6
42.5°	488.2
45°	435.6
47.5°	409.3
50°	391.8
52.5°	380.1
55°	371.3
57.5°	365.5
60°	353.8
62.5°	345.0
65°	327.4
67.5°	304.1
70°	274.8
72.5°	236.8
75°	198.8
77.5°	163.7
80°	131.6
82.5°	102.3
85°	76.0
87.5°	29.2
90°	0.0

(END OF REPORT)