

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: P525663

Luminaire Tested: **IFLD-S-SA2D-930-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525663  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-930-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (32) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

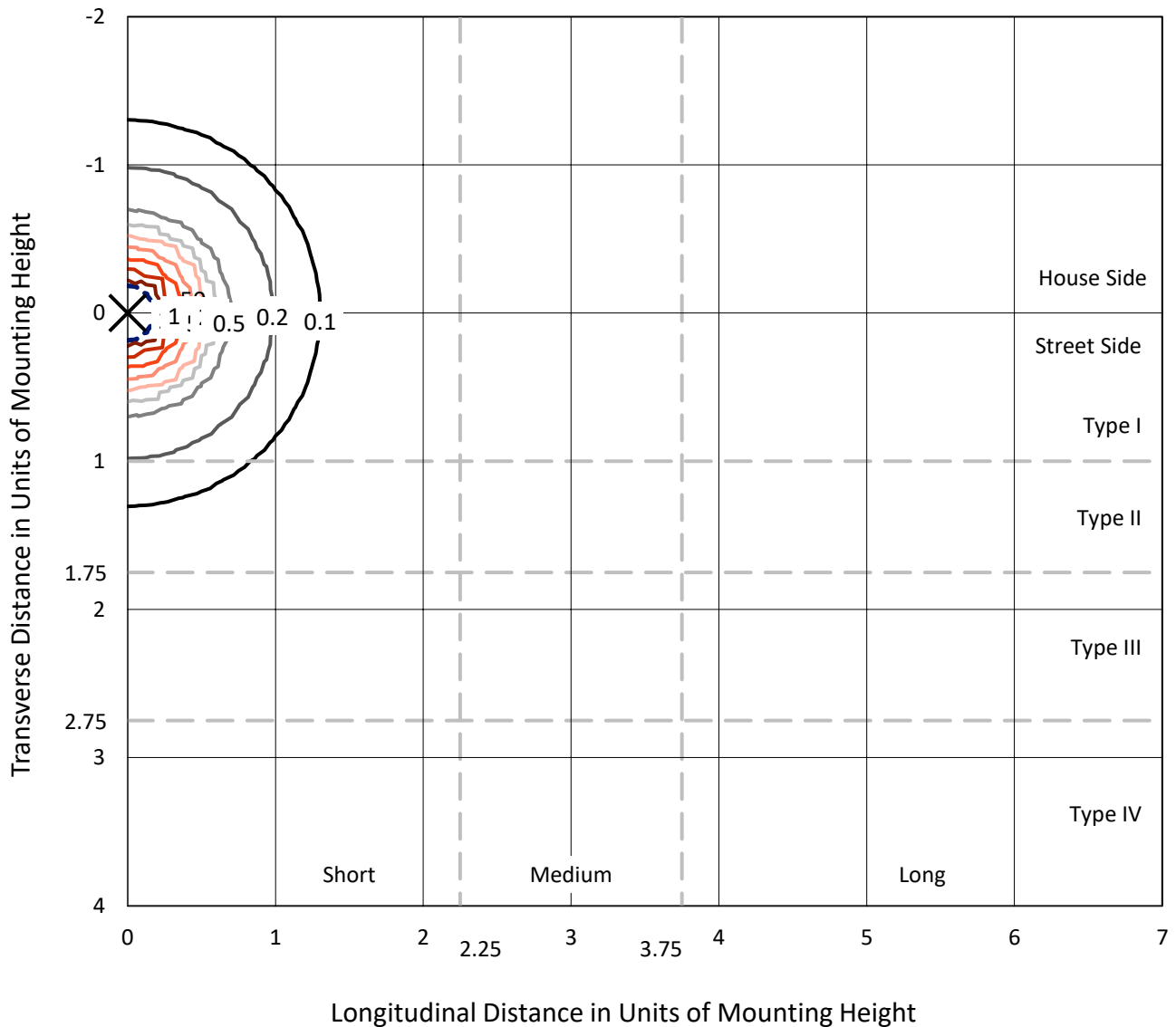
Lumens per Lamp: N/A  
Luminaire Lumens: 10188.8 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 123.9  
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

REPORT NUMBER: P525663  
 CATALOG NUMBER: IFLD-S-SA2D-930-U-33

### Iso-Footcandle Lines of Horizontal Illumination

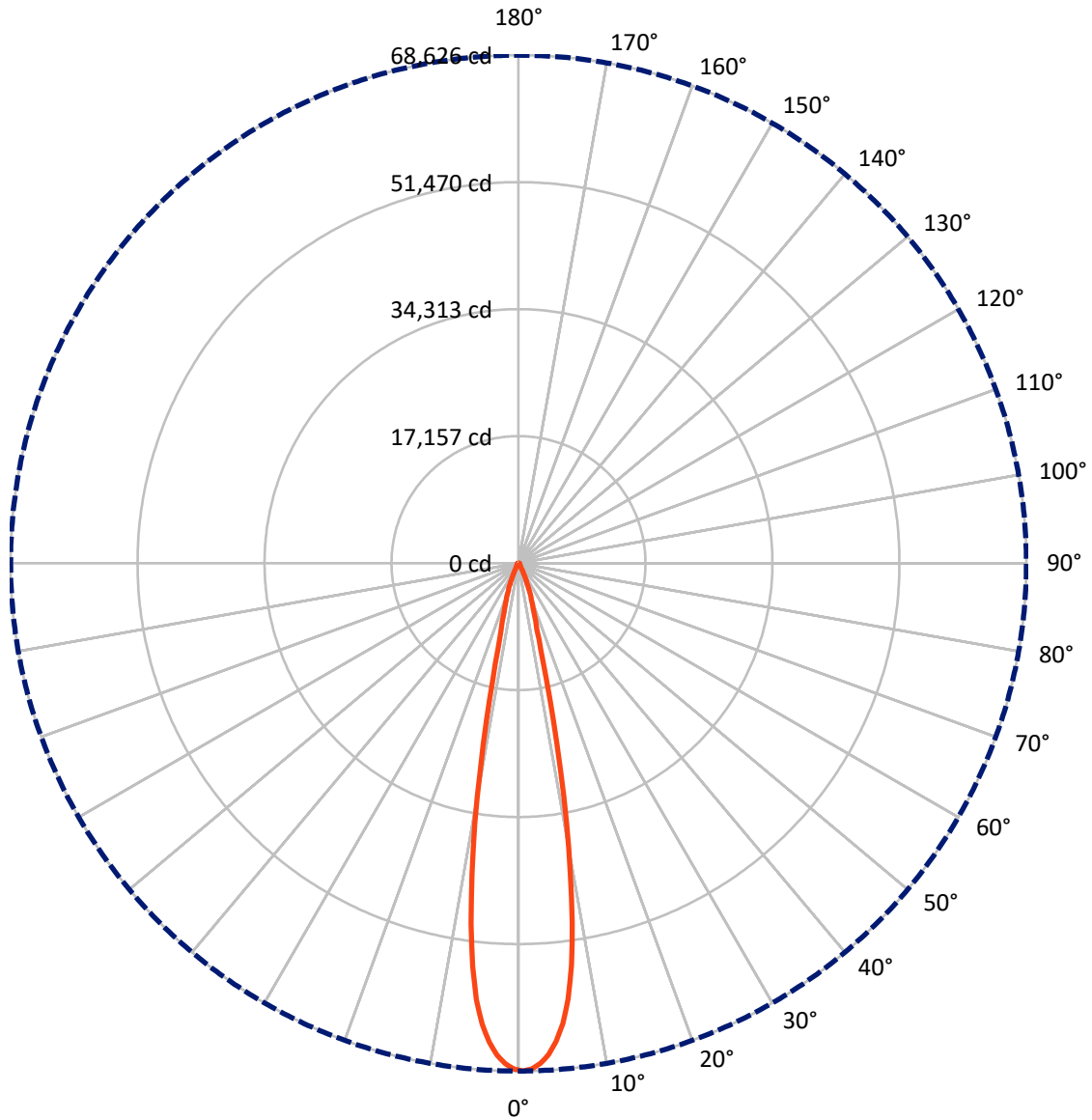
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 171.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P525663  
CATALOG NUMBER: IFLD-S-SA2D-930-U-33

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525663  
 CATALOG NUMBER: IFLD-S-SA2D-930-U-33

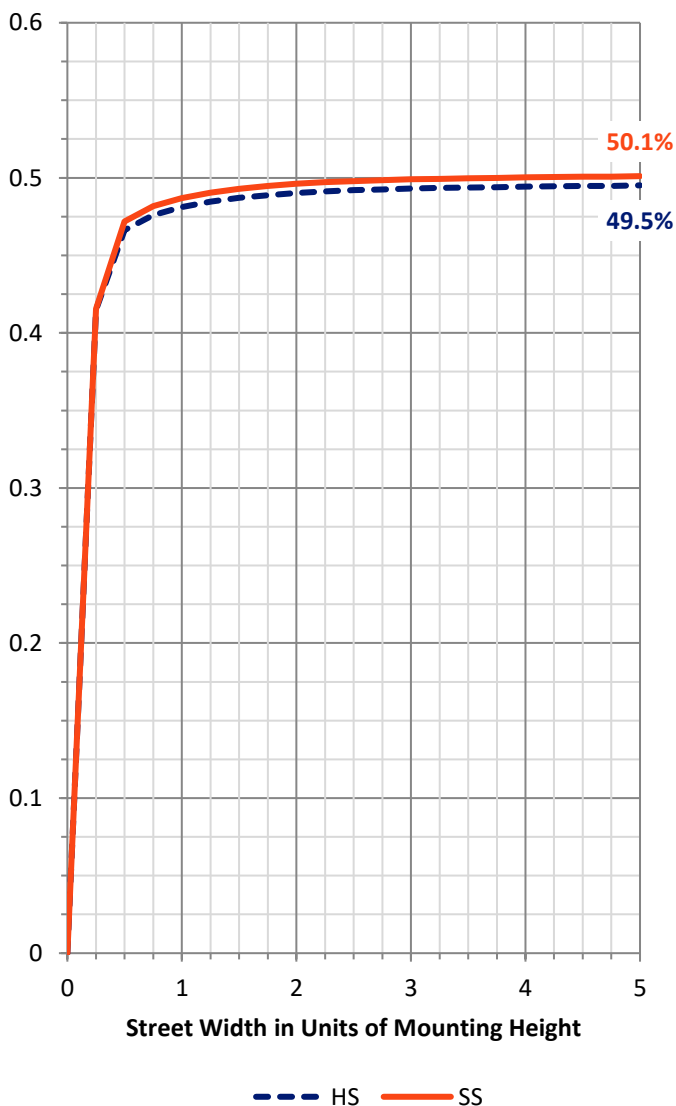
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5094.4	0.0	5094.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5094.4	0.0	5094.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10188.8	0.0	10188.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5109.6	50.1
10°-20°	3360.9	33.0
20°-30°	904.0	8.9
30°-40°	224.6	2.2
40°-50°	167.6	1.6
50°-60°	154.1	1.5
60°-70°	141.3	1.4
70°-80°	91.4	0.9
80°-90°	35.1	0.3
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°	10188.8	100.0
0°-180°	10188.8	100.0



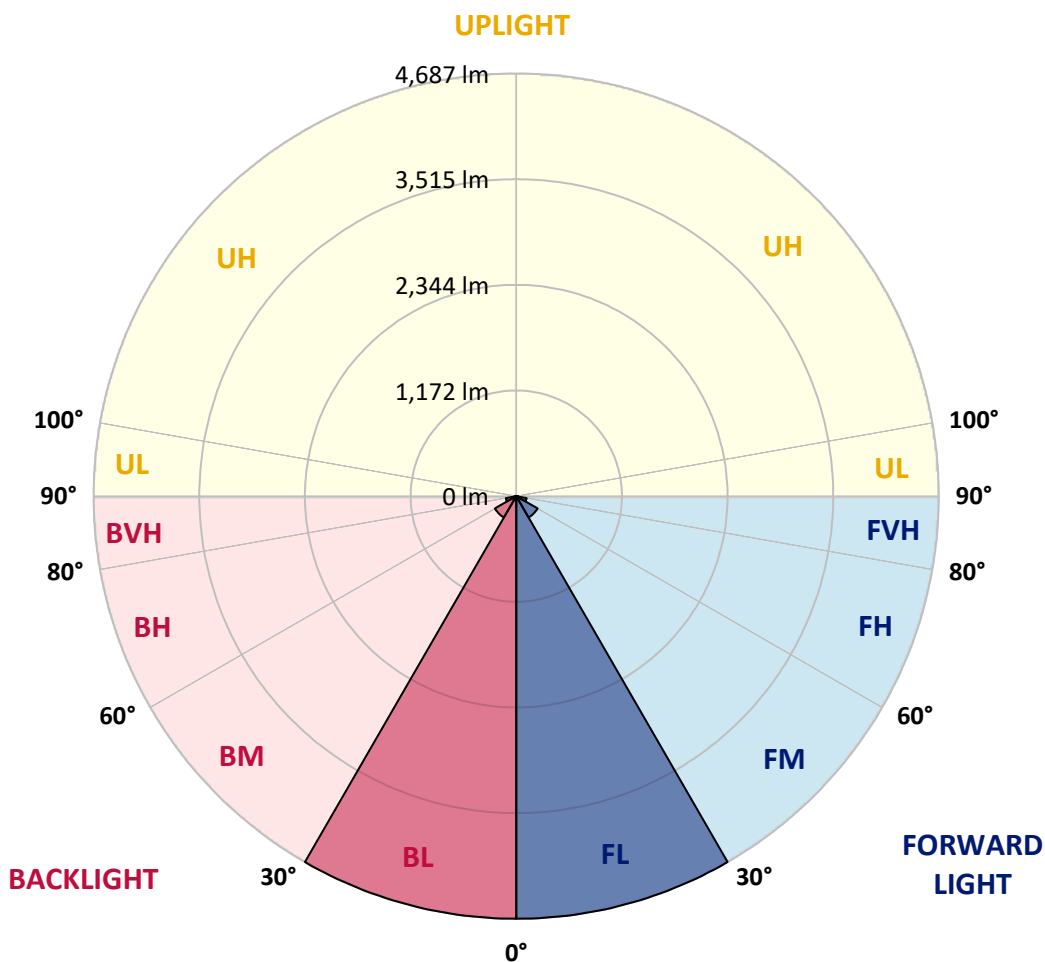
REPORT NUMBER: P525663  
 CATALOG NUMBER: IFLD-S-SA2D-930-U-33

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4687.3	46.0			
FM (30°-60°)	273.2	2.7			
FH (60°-80°)	116.4	1.1			G0/660
FVH (80°-90°)	17.6	0.2			G1/100
BL (0°-30°)	4687.3	46.0	B4/5000		
BM (30°-60°)	273.2	2.7	B1/1000		
BH (60°-80°)	116.4	1.1	B1/500		G0/660
BVH (80°-90°)	17.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type V Short





REPORT NUMBER: P525663  
CATALOG NUMBER: IFLD-S-SA2D-930-U-33

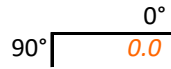
**CANDELA DISTRIBUTION (FULL):**

0°	
0°	68626.2
1°	68357.7
2°	67681.0
3°	66528.7
4°	64849.9
5°	62512.3
6°	59249.0
7°	54782.5
8°	49118.6
9°	42439.0
10°	35664.9
11°	28388.2
12°	21633.6
13°	15986.3
14°	11963.8
15°	9369.7
17.5°	6280.5
20°	4540.1
22.5°	2993.2
25°	1756.9
27.5°	985.7
30°	550.6
32.5°	402.1
35°	340.6
37.5°	300.1
40°	264.1
42.5°	237.1
45°	213.1
47.5°	196.5
50°	183.0
52.5°	175.5
55°	171.0
57.5°	168.0
60°	163.5
62.5°	154.5
65°	144.0
67.5°	132.0
70°	117.0
72.5°	100.5
75°	85.5
77.5°	72.0
80°	60.0
82.5°	48.0
85°	36.0
87.5°	15.0



REPORT NUMBER: P525663  
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CANDELA DISTRIBUTION (continued):



(END OF REPORT)