

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: P525669

Luminaire Tested: **IFLD-S-SA3E-930-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525669  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-930-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (48) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

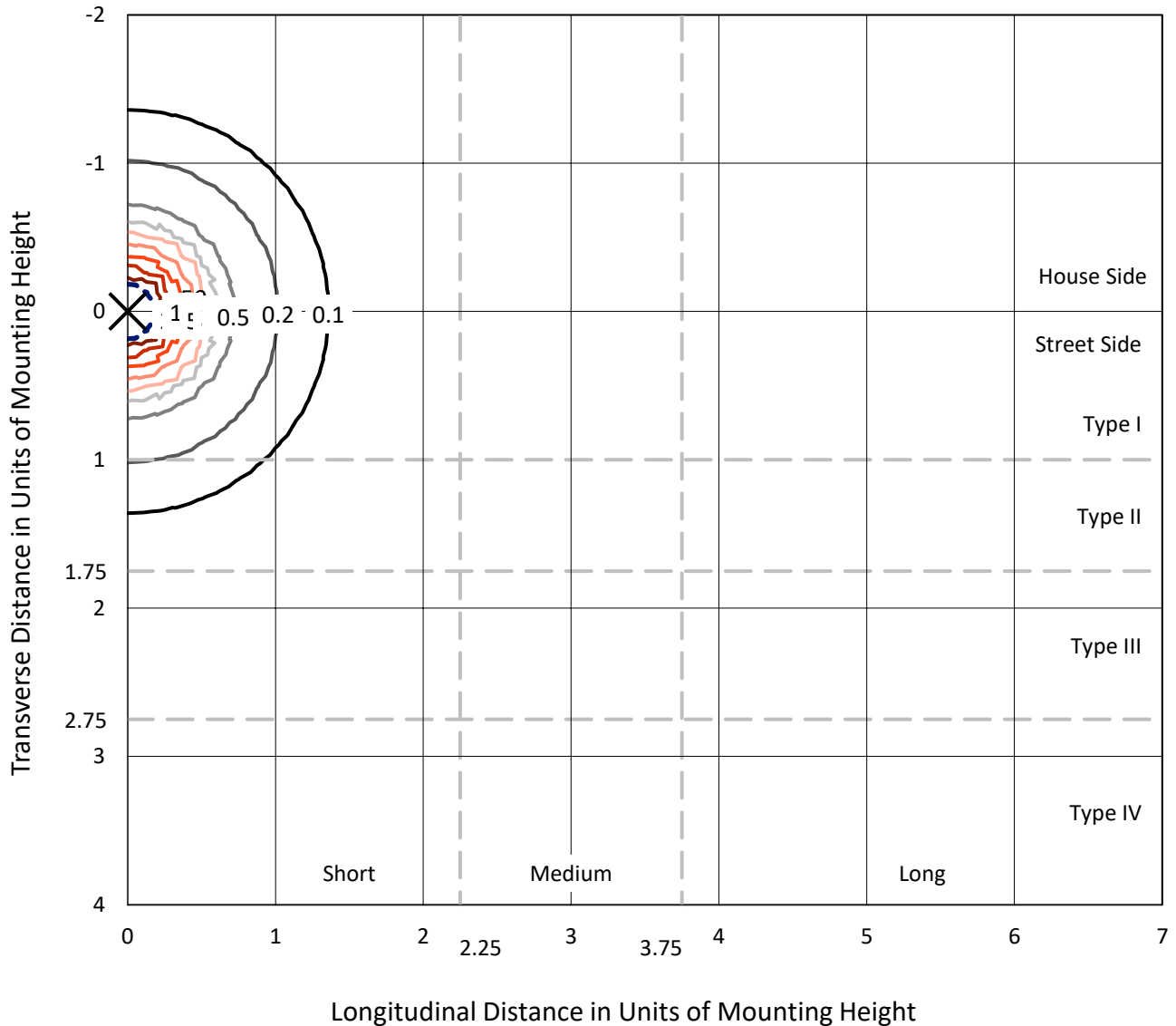
Lumens per Lamp: N/A  
Luminaire Lumens: 17572.6 lumens  
Efficiency: N/A  
Efficacy: 75.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 232.1  
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: P525669  
 CATALOG NUMBER: IFLD-S-SA3E-930-U-33

### Iso-Footcandle Lines of Horizontal Illumination

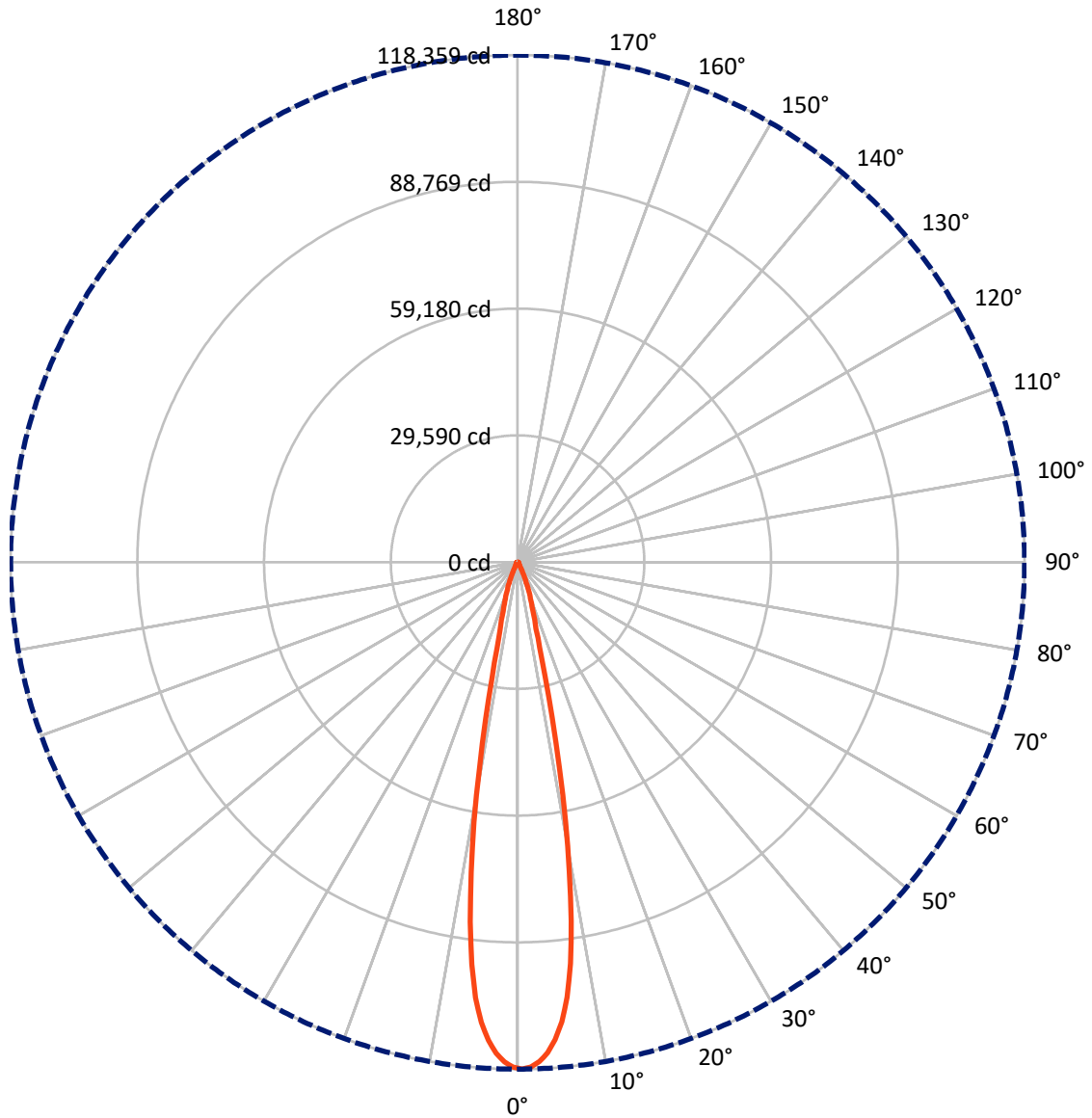
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 189.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P525669  
CATALOG NUMBER: IFLD-S-SA3E-930-U-33

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525669

CATALOG NUMBER: IFLD-S-SA3E-930-U-33

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8786.3	0.0	8786.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8786.3	0.0	8786.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17572.6	0.0	17572.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8812.4	50.1
10°-20°	5796.6	33.0
20°-30°	1559.2	8.9
30°-40°	387.4	2.2
40°-50°	289.1	1.6
50°-60°	265.9	1.5
60°-70°	243.8	1.4
70°-80°	157.7	0.9
80°-90°	60.6	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°	17572.6	100.0
0°-180°	17572.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P525669

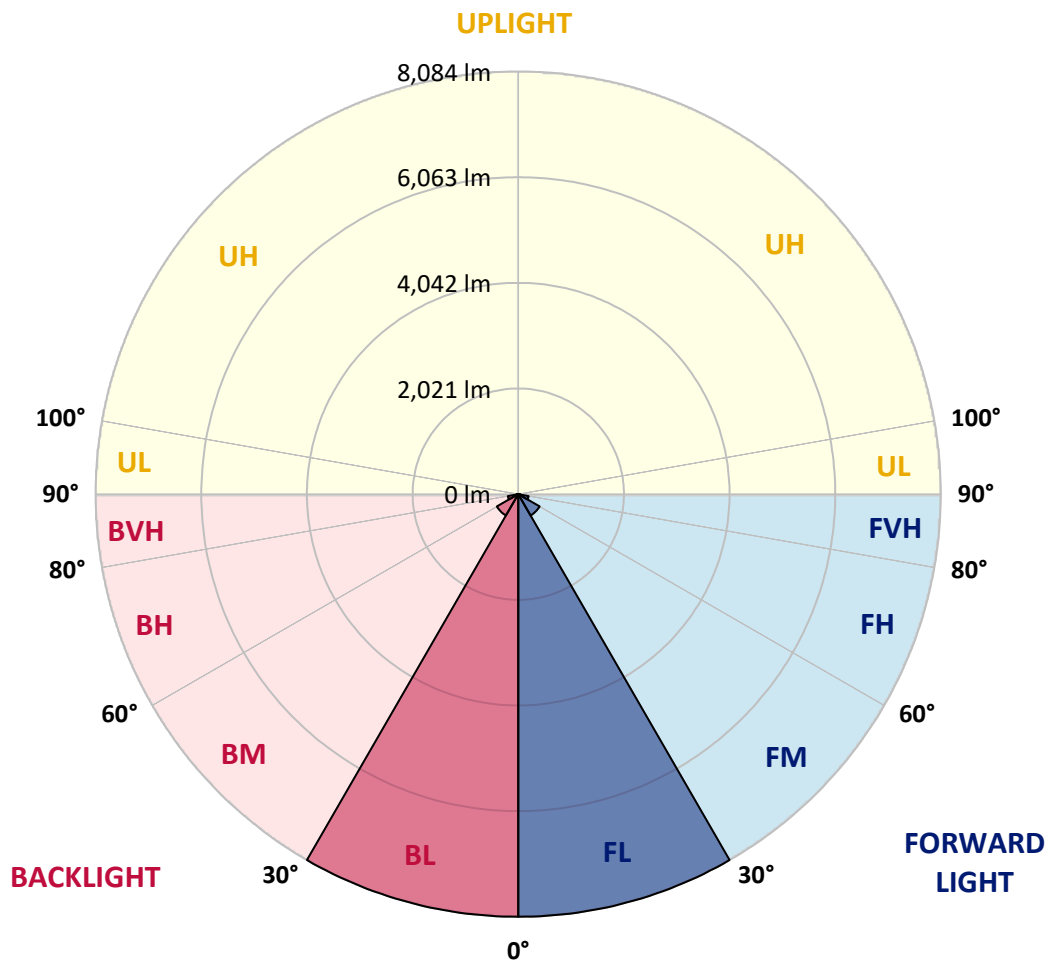
CATALOG NUMBER: IFLD-S-SA3E-930-U-33

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8084.1	46.0			
FM (30°-60°)	471.2	2.7			
FH (60°-80°)	200.8	1.1			G0/660
FVH (80°-90°)	30.3	0.2			G1/100
BL (0°-30°)	8084.1	46.0	B5		
BM (30°-60°)	471.2	2.7	B1/1000		
BH (60°-80°)	200.8	1.1	B1/500		G0/660
BVH (80°-90°)	30.3	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: P525669  
CATALOG NUMBER: IFLD-S-SA3E-930-U-33

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	118359.1
1°	117895.9
2°	116728.9
3°	114741.5
4°	111846.0
5°	107814.4
6°	102186.3
7°	94482.8
8°	84714.5
9°	73194.2
10°	61511.0
11°	48960.9
12°	37311.3
13°	27571.4
14°	20633.9
15°	16159.9
17.5°	10831.9
20°	7830.2
22.5°	5162.4
25°	3030.1
27.5°	1700.1
30°	949.7
32.5°	693.5
35°	587.4
37.5°	517.5
40°	455.4
42.5°	408.8
45°	367.4
47.5°	339.0
50°	315.7
52.5°	302.8
55°	295.0
57.5°	289.8
60°	282.1
62.5°	266.5
65°	248.4
67.5°	227.7
70°	201.8
72.5°	173.4
75°	147.5
77.5°	124.2
80°	103.5
82.5°	82.8
85°	62.1
87.5°	25.9



REPORT NUMBER: P525669  
CATALOG NUMBER: IFLD-S-SA3E-930-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)