

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: P525698

Luminaire Tested: **IFLD-L-SA8D-930-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525698  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-930-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (128) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

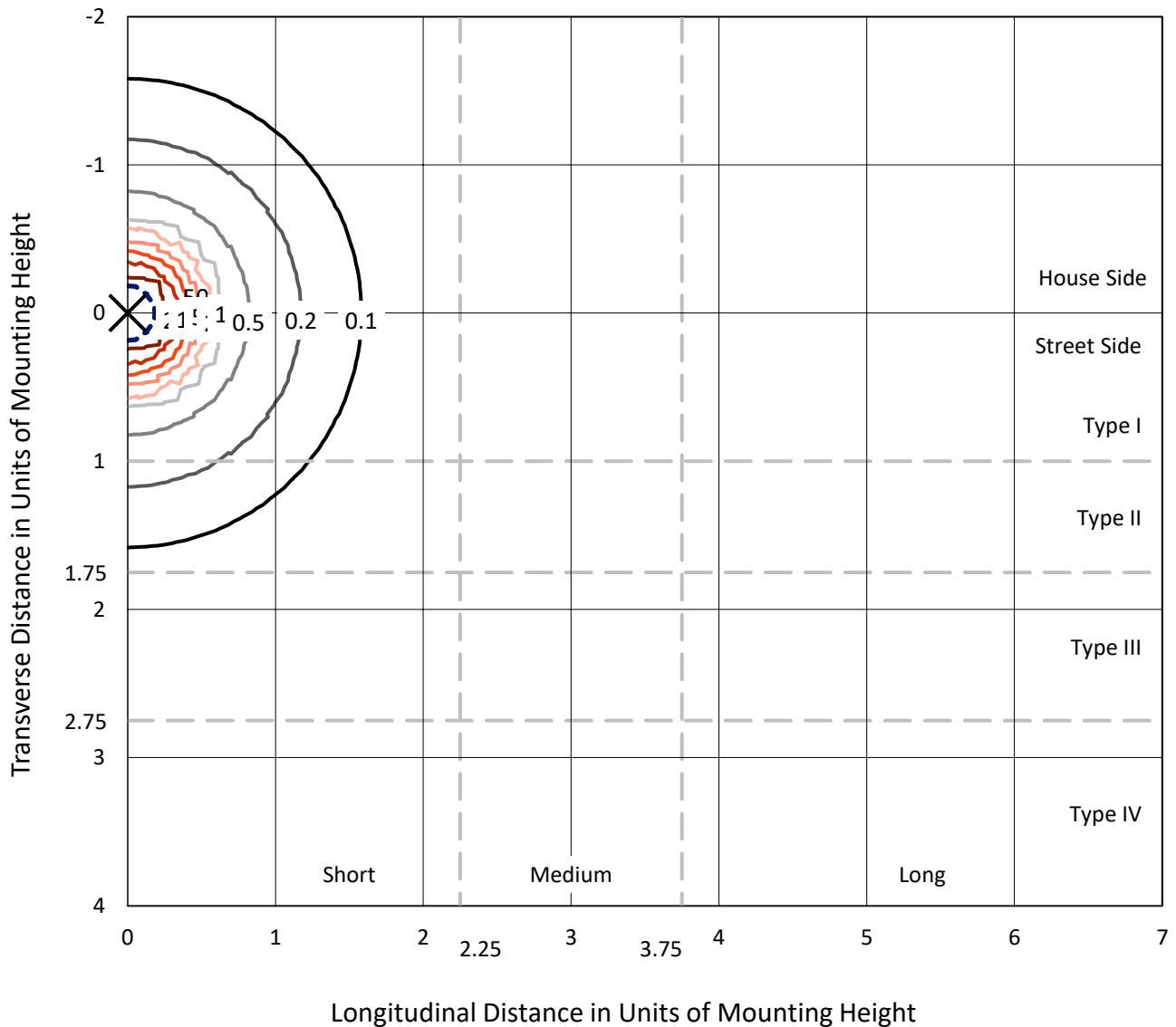
Lumens per Lamp: N/A  
Luminaire Lumens: 35725.8 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3  
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: P525698  
 CATALOG NUMBER: IFLD-L-SA8D-930-U-33

### Iso-Footcandle Lines of Horizontal Illumination

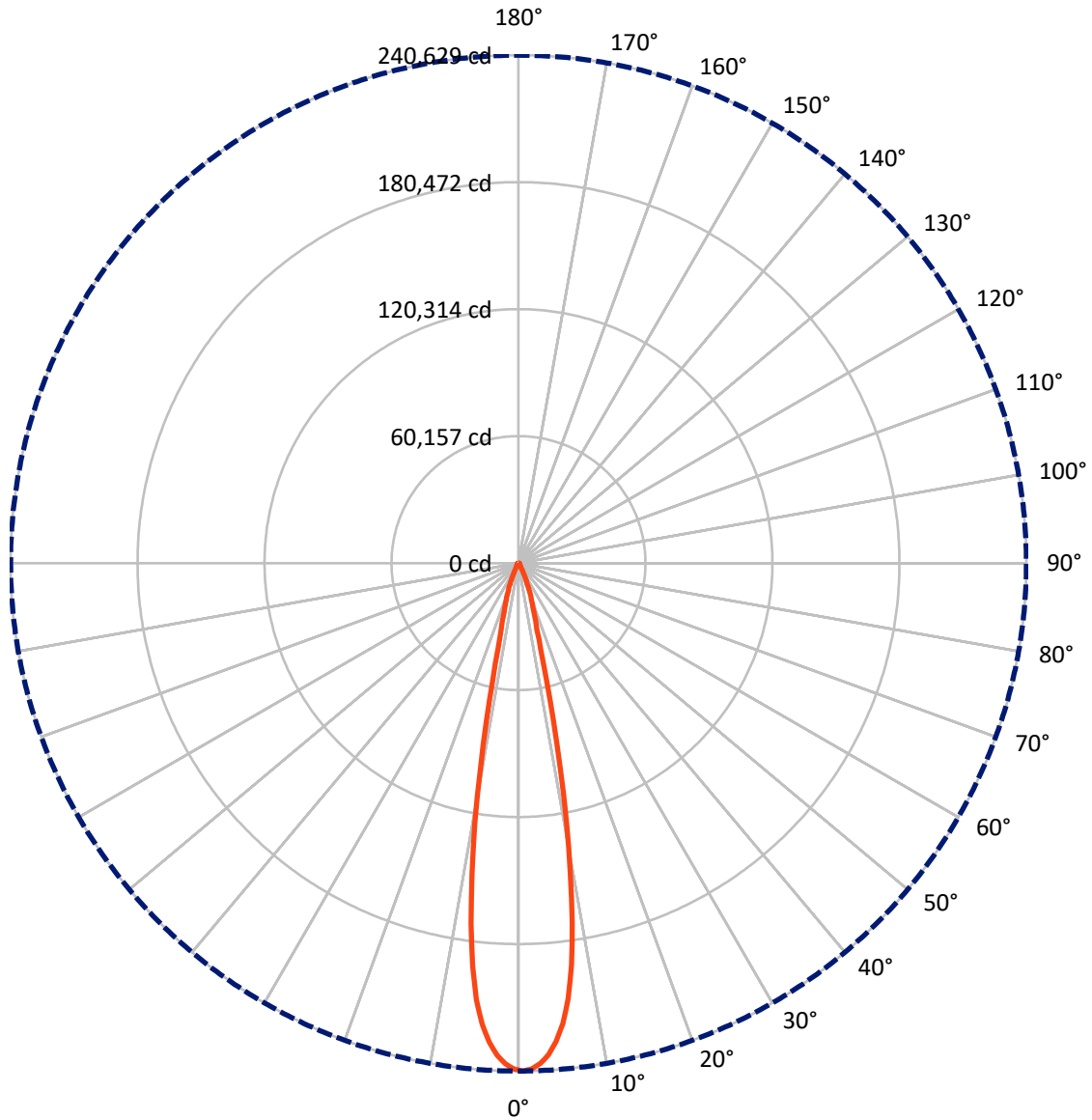
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 267.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P525698  
CATALOG NUMBER: IFLD-L-SA8D-930-U-33

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525698

CATALOG NUMBER: IFLD-L-SA8D-930-U-33

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17862.9	0.0	17862.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17862.9	0.0	17862.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35725.8	0.0	35725.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17916.0	50.1
10°-20°	11784.7	33.0
20°-30°	3169.8	8.9
30°-40°	787.6	2.2
40°-50°	587.7	1.6
50°-60°	540.5	1.5
60°-70°	495.7	1.4
70°-80°	320.6	0.9
80°-90°	123.1	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°	35725.8	100.0
0°-180°	35725.8	100.0

**Coefficient of Utilization**



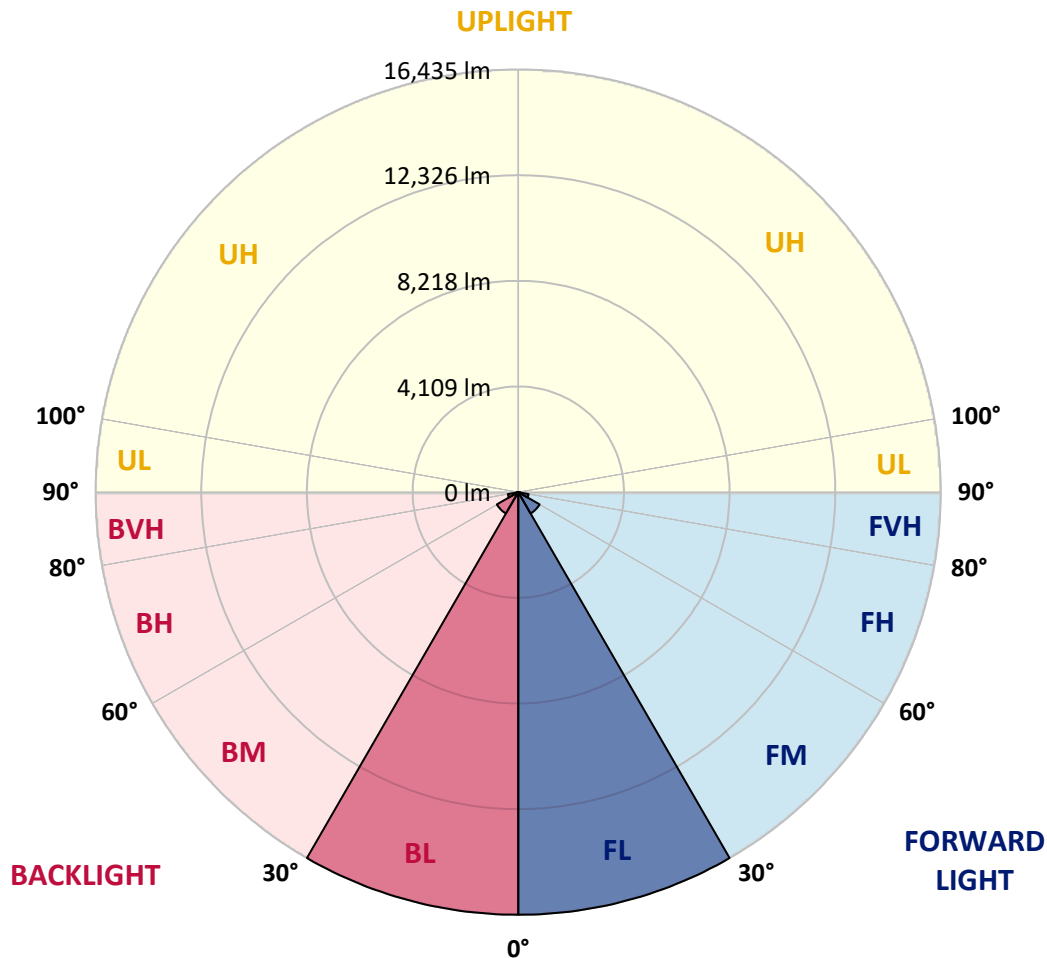
REPORT NUMBER: P525698  
 CATALOG NUMBER: IFLD-L-SA8D-930-U-33

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16435.3	46.0			
FM (30°-60°)	957.9	2.7			
FH (60°-80°)	408.2	1.1			G0/660
FVH (80°-90°)	61.6	0.2			G1/100
BL (0°-30°)	16435.3	46.0	B5		
BM (30°-60°)	957.9	2.7	B1/1000		
BH (60°-80°)	408.2	1.1	B1/500		G0/660
BVH (80°-90°)	61.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





REPORT NUMBER: P525698  
CATALOG NUMBER: IFLD-L-SA8D-930-U-33

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	240628.8
1°	239687.1
2°	237314.5
3°	233274.2
4°	227387.3
5°	219191.0
6°	207748.8
7°	192087.4
8°	172227.9
9°	148806.8
10°	125054.4
11°	99539.5
12°	75855.4
13°	56053.8
14°	41949.6
15°	32853.7
17.5°	22021.7
20°	15919.2
22.5°	10495.3
25°	6160.4
27.5°	3456.3
30°	1930.7
32.5°	1409.9
35°	1194.2
37.5°	1052.2
40°	925.9
42.5°	831.2
45°	747.0
47.5°	689.2
50°	641.8
52.5°	615.5
55°	599.7
57.5°	589.2
60°	573.4
62.5°	541.9
65°	505.0
67.5°	462.9
70°	410.3
72.5°	352.5
75°	299.9
77.5°	252.5
80°	210.4
82.5°	168.3
85°	126.3
87.5°	52.6



REPORT NUMBER: P525698  
CATALOG NUMBER: IFLD-L-SA8D-930-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)