

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: P525503

Luminaire Tested: **IFLD-L-SA8D-930-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525503
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-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36080.8 lumens
Efficiency: N/A
Efficacy: 73.9 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

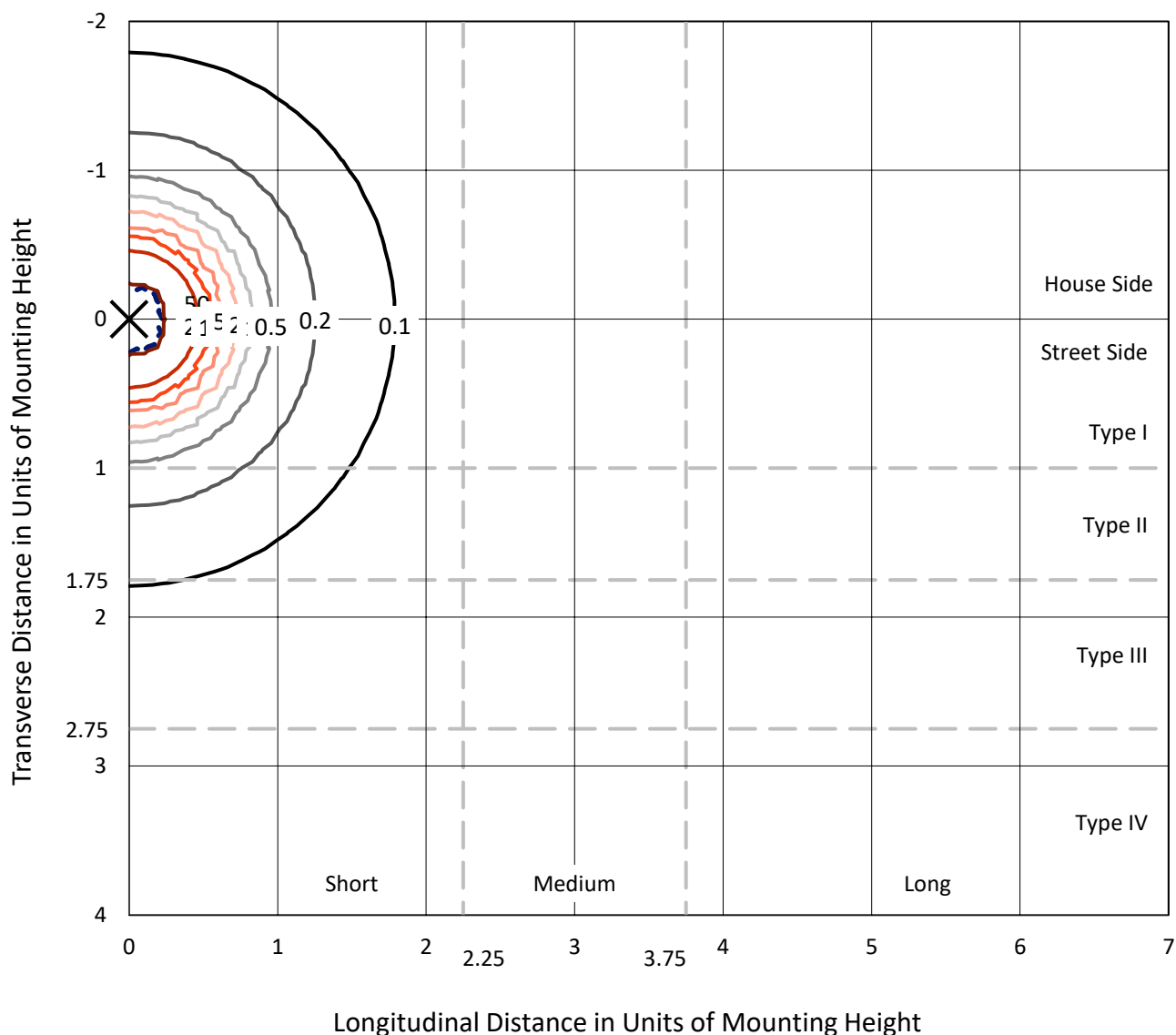
REPORT NUMBER: P525503

CATALOG NUMBER: IFLD-L-SA8D-930-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

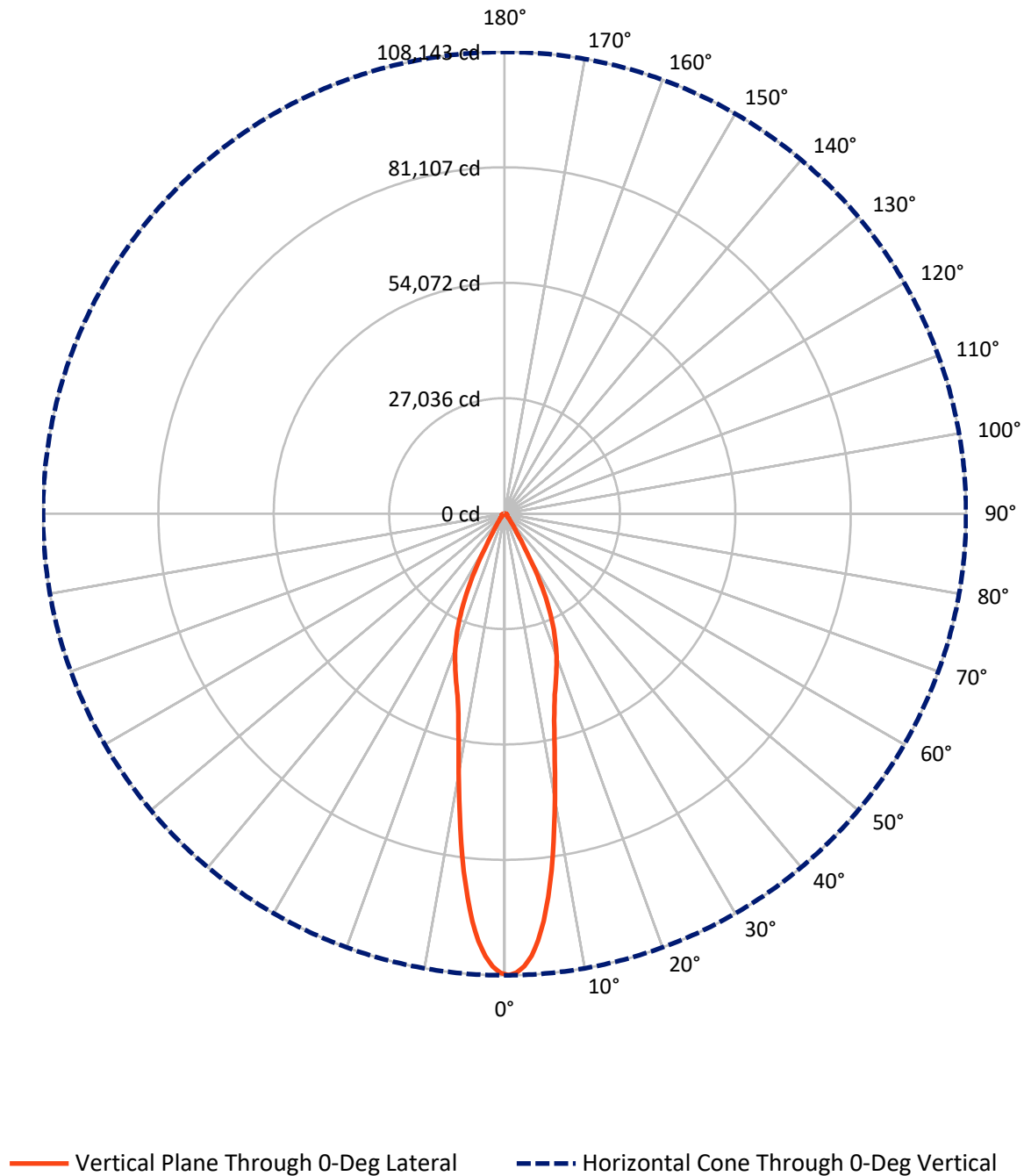


Based on 30 foot mounting height. Maximum calculated value = 120.2 fc

Type V - Short - N/A

REPORT NUMBER: P525503
CATALOG NUMBER: IFLD-L-SA8D-930-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525503

CATALOG NUMBER: IFLD-L-SA8D-930-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18040.4	0.0	18040.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18040.4	0.0	18040.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	36080.8	0.0	36080.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8095.3	22.4
10°-20°	12625.1	35.0
20°-30°	10230.5	28.4
30°-40°	2482.9	6.9
40°-50°	835.6	2.3
50°-60°	660.3	1.8
60°-70°	658.6	1.8
70°-80°	363.5	1.0
80°-90°	128.9	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°	36080.8	100.0
0°-180°	36080.8	100.0

Coefficient of Utilization



REPORT NUMBER: P525503

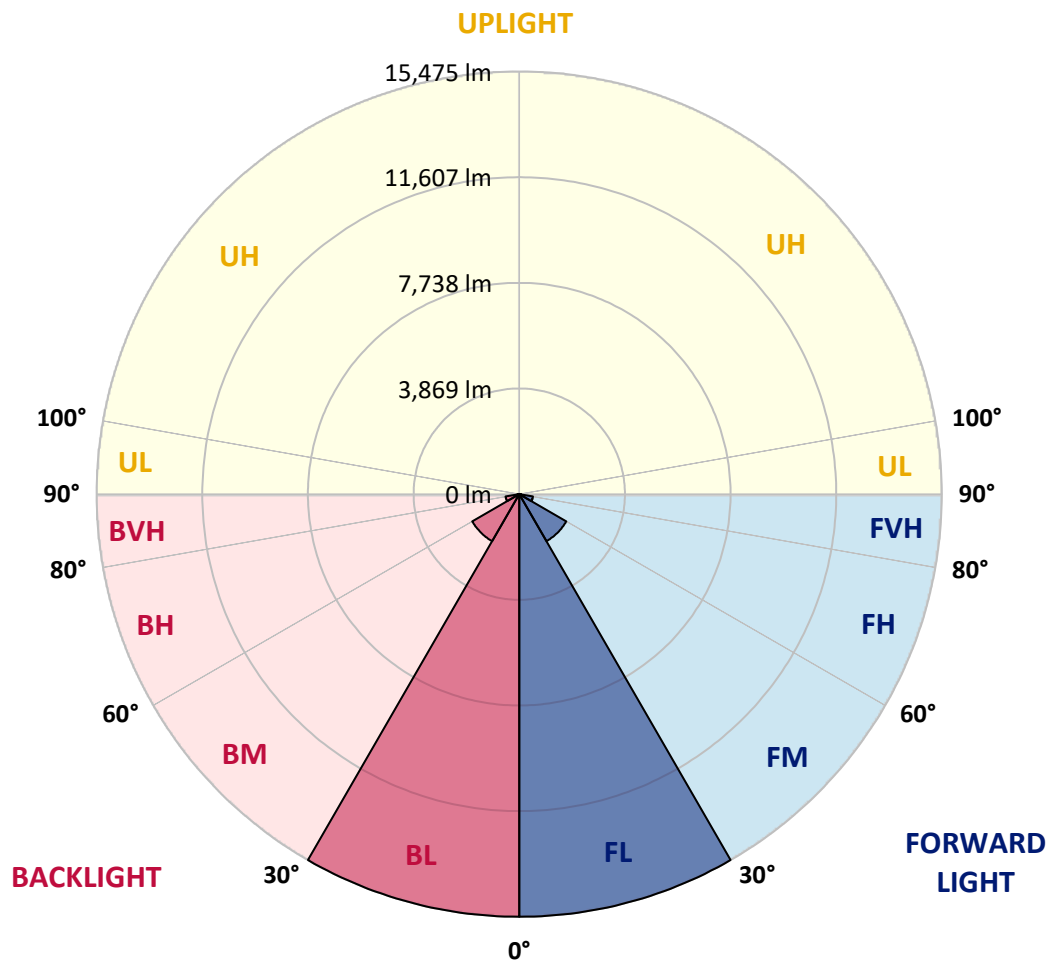
CATALOG NUMBER: IFLD-L-SA8D-930-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	15475.5	42.9			
FM	(30°-60°)	1989.4	5.5			
FH	(60°-80°)	511.1	1.4			G0/660
FVH	(80°-90°)	64.4	0.2			G1/100
BL	(0°-30°)	15475.5	42.9	B5		
BM	(30°-60°)	1989.4	5.5	B2/2500		
BH	(60°-80°)	511.1	1.4	B2/1000		G0/660
BVH	(80°-90°)	64.4	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: P525503

CATALOG NUMBER: IFLD-L-SA8D-930-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	108143.3
1°	107580.4
2°	106133.6
3°	103734.7
4°	100288.8
5°	95843.3
6°	90398.3
7°	84311.4
8°	77703.7
9°	71053.9
10°	64693.4
11°	58969.6
12°	53955.9
13°	49836.6
14°	46553.8
15°	43970.7
17.5°	39188.5
20°	34737.8
22.5°	29524.2
25°	23468.9
27.5°	16566.6
30°	9001.4
32.5°	5176.7
35°	3456.4
37.5°	2356.9
40°	1678.2
42.5°	1299.4
45°	1015.4
47.5°	831.2
50°	762.8
52.5°	726.0
55°	710.2
57.5°	736.5
60°	778.6
62.5°	762.8
65°	678.7
67.5°	584.0
70°	494.5
72.5°	410.4
75°	336.7
77.5°	273.6
80°	221.0
82.5°	178.9
85°	136.8
87.5°	47.3

REPORT NUMBER: P525503
CATALOG NUMBER: IFLD-L-SA8D-930-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)