

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: P525485

Luminaire Tested: **IFLD-S-SA6A-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525485
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17758.1 lumens
Efficiency: N/A
Efficacy: 93.7 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): 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

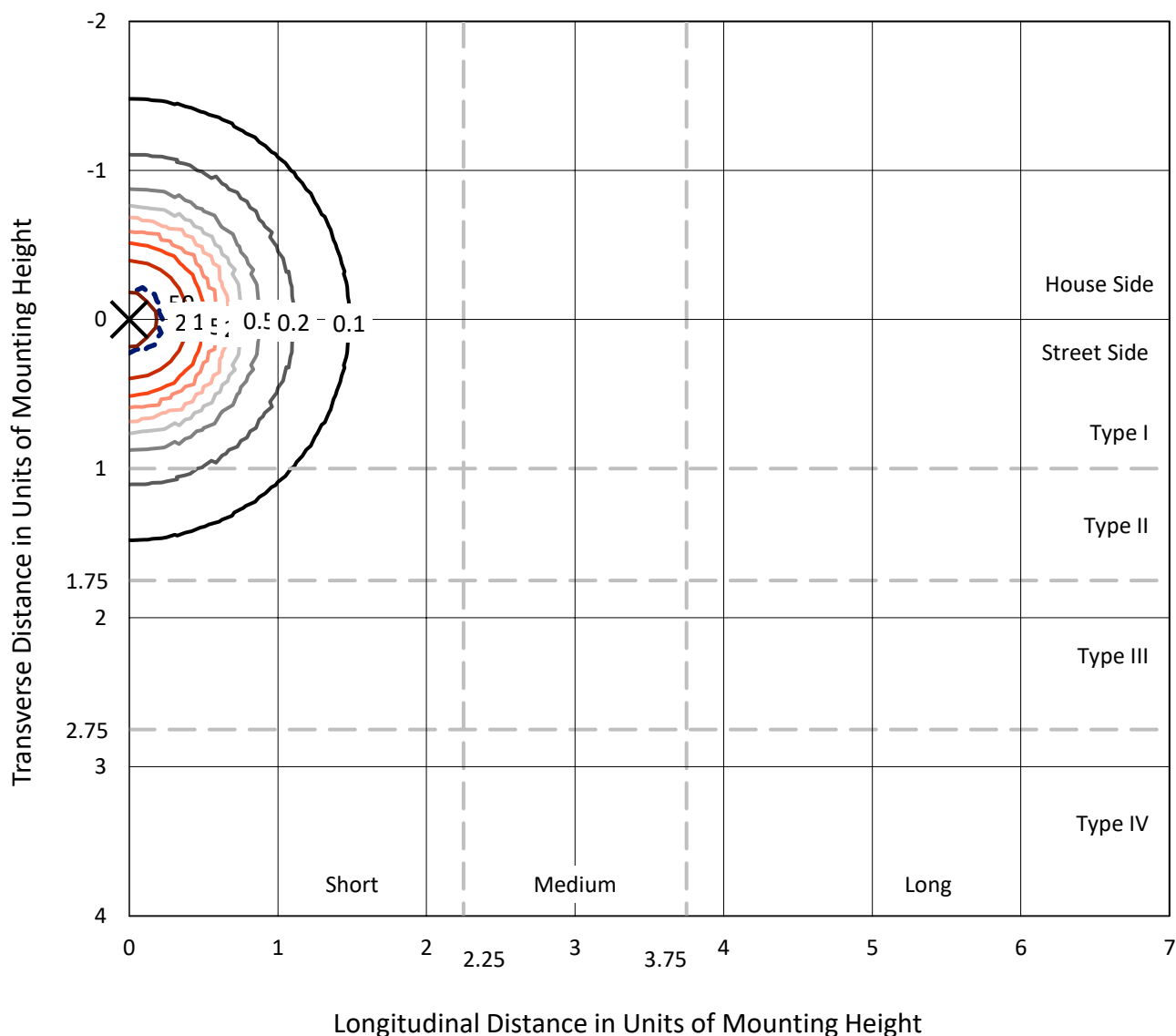
REPORT NUMBER: P525485

CATALOG NUMBER: IFLD-S-SA6A-930-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

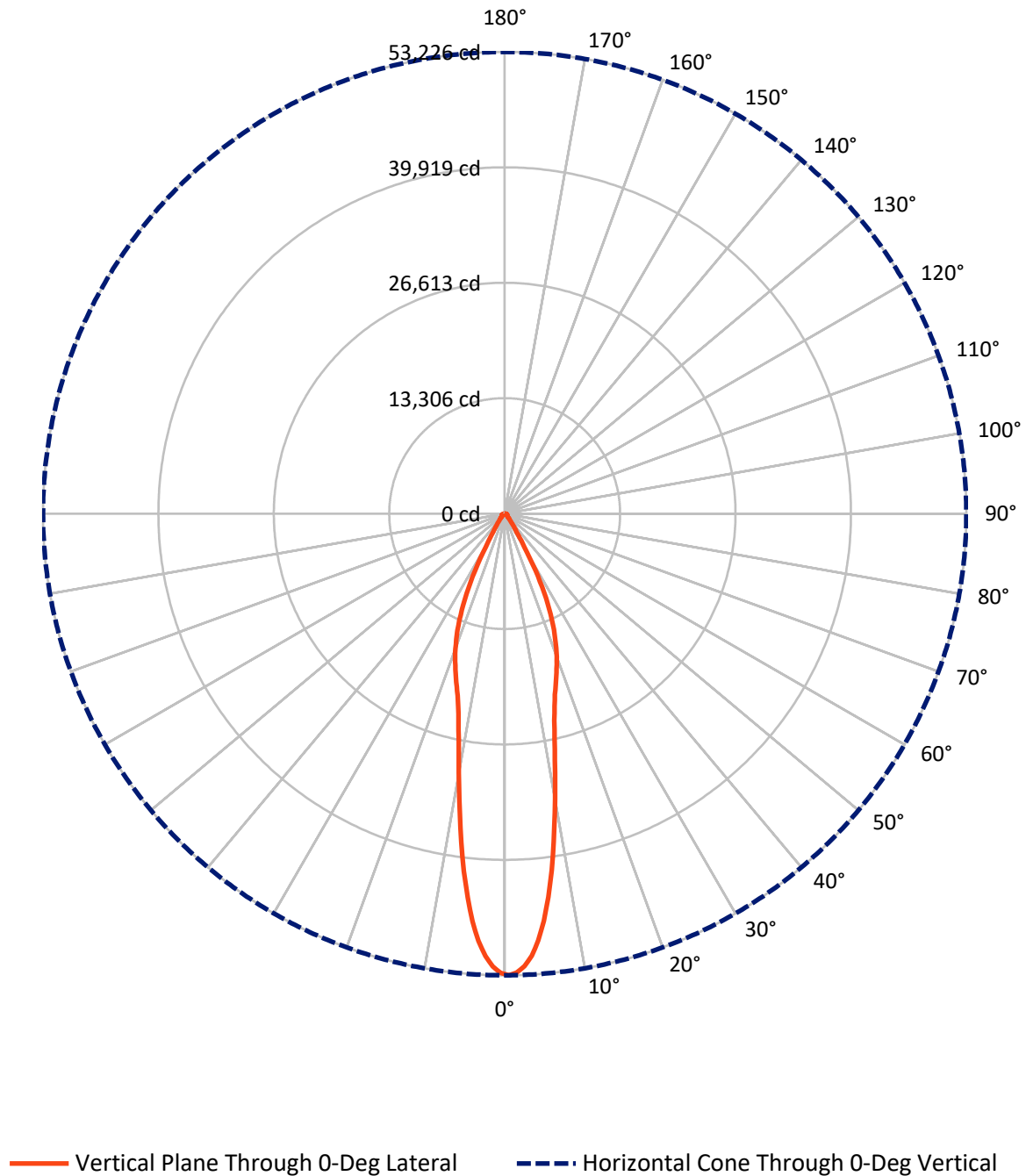


Based on 25 foot mounting height. Maximum calculated value = 85.2 fc

Type V - Short - N/A

REPORT NUMBER: P525485
CATALOG NUMBER: IFLD-S-SA6A-930-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525485

CATALOG NUMBER: IFLD-S-SA6A-930-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8879.0	0.0	8879.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8879.0	0.0	8879.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17758.1	0.0	17758.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3984.3	22.4
10°-20°	6213.8	35.0
20°-30°	5035.2	28.4
30°-40°	1222.1	6.9
40°-50°	411.3	2.3
50°-60°	325.0	1.8
60°-70°	324.1	1.8
70°-80°	178.9	1.0
80°-90°	63.4	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°	17758.1	100.0
0°-180°	17758.1	100.0

Coefficient of Utilization



REPORT NUMBER: P525485

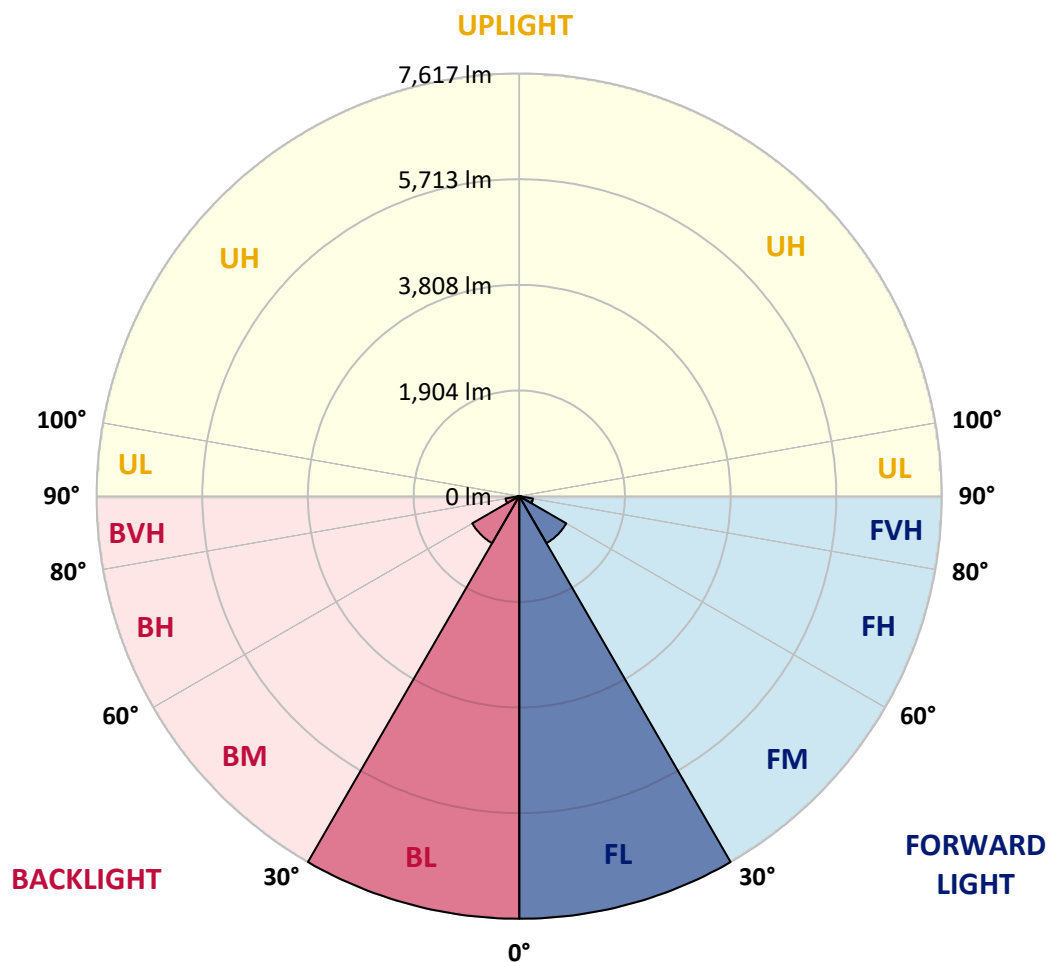
CATALOG NUMBER: IFLD-S-SA6A-930-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7616.7	42.9			
FM	(30°-60°)	979.2	5.5			
FH	(60°-80°)	251.5	1.4			G0/660
FVH	(80°-90°)	31.7	0.2			G1/100
BL	(0°-30°)	7616.7	42.9	B5		
BM	(30°-60°)	979.2	5.5	B1/1000		
BH	(60°-80°)	251.5	1.4	B1/500		G0/660
BVH	(80°-90°)	31.7	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: P525485

CATALOG NUMBER: IFLD-S-SA6A-930-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	53225.6
1°	52948.6
2°	52236.5
3°	51055.8
4°	49359.8
5°	47171.8
6°	44491.9
7°	41496.1
8°	38243.9
9°	34971.1
10°	31840.6
11°	29023.5
12°	26555.9
13°	24528.4
14°	22912.7
15°	21641.4
17.5°	19287.7
20°	17097.1
22.5°	14531.1
25°	11550.9
27.5°	8153.7
30°	4430.3
32.5°	2547.9
35°	1701.2
37.5°	1160.0
40°	826.0
42.5°	639.6
45°	499.7
47.5°	409.1
50°	375.4
52.5°	357.3
55°	349.6
57.5°	362.5
60°	383.2
62.5°	375.4
65°	334.0
67.5°	287.4
70°	243.4
72.5°	202.0
75°	165.7
77.5°	134.6
80°	108.8
82.5°	88.0
85°	67.3
87.5°	23.3

REPORT NUMBER: P525485
CATALOG NUMBER: IFLD-S-SA6A-930-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)