

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: P525487

Luminaire Tested: **IFLD-S-SA6C-930-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525487
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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: 27339.1 lumens
Efficiency: N/A
Efficacy: 85.0 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): 321.5
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

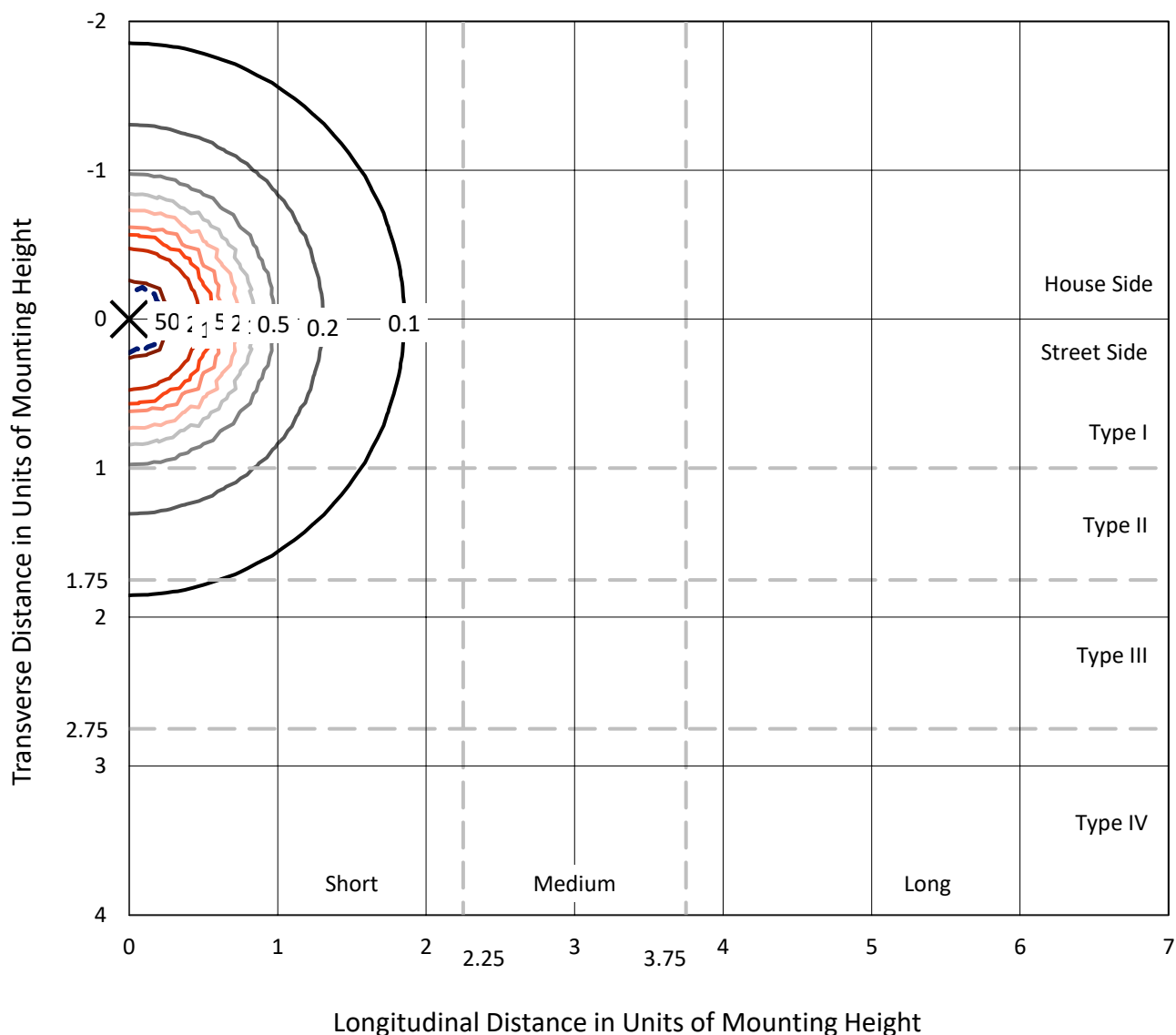
REPORT NUMBER: P525487

CATALOG NUMBER: IFLD-S-SA6C-930-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

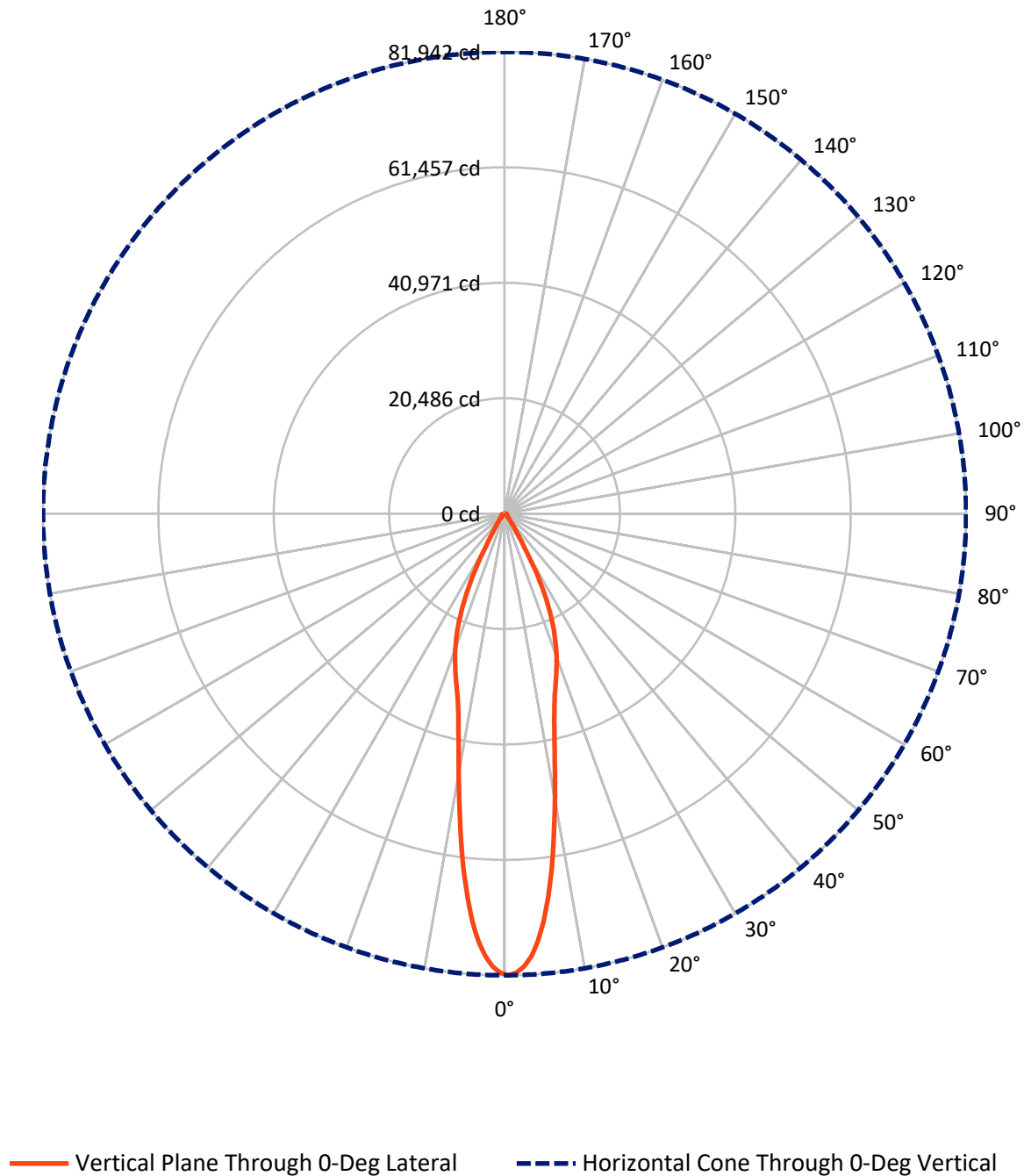


Based on 25 foot mounting height. Maximum calculated value = 131.1 fc

Type V - Short - N/A

REPORT NUMBER: P525487
CATALOG NUMBER: IFLD-S-SA6C-930-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525487

CATALOG NUMBER: IFLD-S-SA6C-930-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13669.6	0.0	13669.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13669.6	0.0	13669.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27339.1	0.0	27339.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6134.0	22.4
10°-20°	9566.3	35.0
20°-30°	7751.9	28.4
30°-40°	1881.4	6.9
40°-50°	633.2	2.3
50°-60°	500.4	1.8
60°-70°	499.0	1.8
70°-80°	275.4	1.0
80°-90°	97.6	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°	27339.1	100.0
0°-180°	27339.1	100.0

Coefficient of Utilization



REPORT NUMBER: P525487

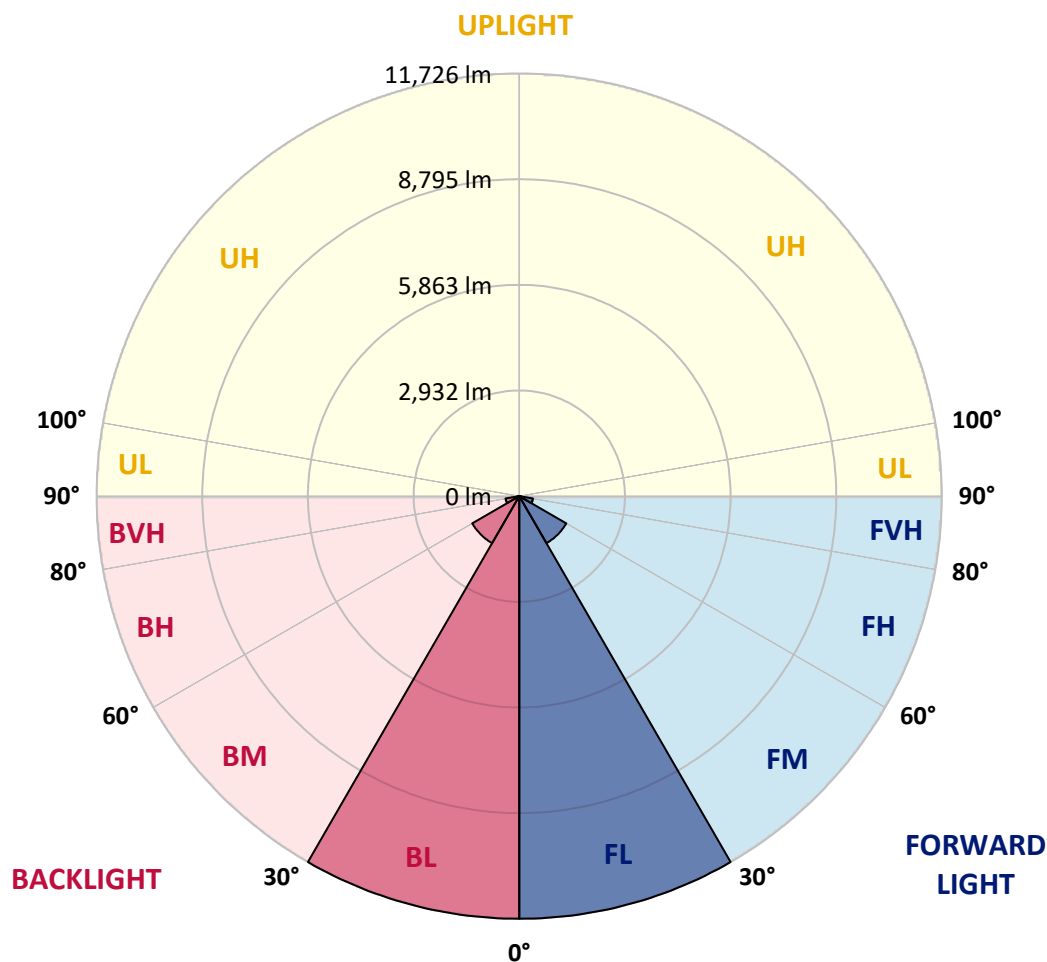
CATALOG NUMBER: IFLD-S-SA6C-930-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11726.1	42.9			
FM	(30°-60°)	1507.4	5.5			
FH	(60°-80°)	387.2	1.4			G0/660
FVH	(80°-90°)	48.8	0.2			G1/100
BL	(0°-30°)	11726.1	42.9	B5		
BM	(30°-60°)	1507.4	5.5	B2/2500		
BH	(60°-80°)	387.2	1.4	B1/500		G0/660
BVH	(80°-90°)	48.8	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: P525487

CATALOG NUMBER: IFLD-S-SA6C-930-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	81942.4
1°	81515.9
2°	80419.7
3°	78601.9
4°	75990.9
5°	72622.5
6°	68496.6
7°	63884.5
8°	58877.7
9°	53839.0
10°	49019.6
11°	44682.5
12°	40883.5
13°	37762.2
14°	35274.8
15°	33317.5
17.5°	29694.0
20°	26321.6
22.5°	22371.1
25°	17782.9
27.5°	12552.9
30°	6820.6
32.5°	3922.5
35°	2619.0
37.5°	1785.9
40°	1271.6
42.5°	984.6
45°	769.4
47.5°	629.8
50°	578.0
52.5°	550.1
55°	538.2
57.5°	558.1
60°	590.0
62.5°	578.0
65°	514.2
67.5°	442.5
70°	374.7
72.5°	310.9
75°	255.1
77.5°	207.3
80°	167.4
82.5°	135.5
85°	103.6
87.5°	35.9

REPORT NUMBER: P525487
CATALOG NUMBER: IFLD-S-SA6C-930-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)