

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: P525468

Luminaire Tested: **IFLD-S-SA2D-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525468
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10290.1 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 123.9
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

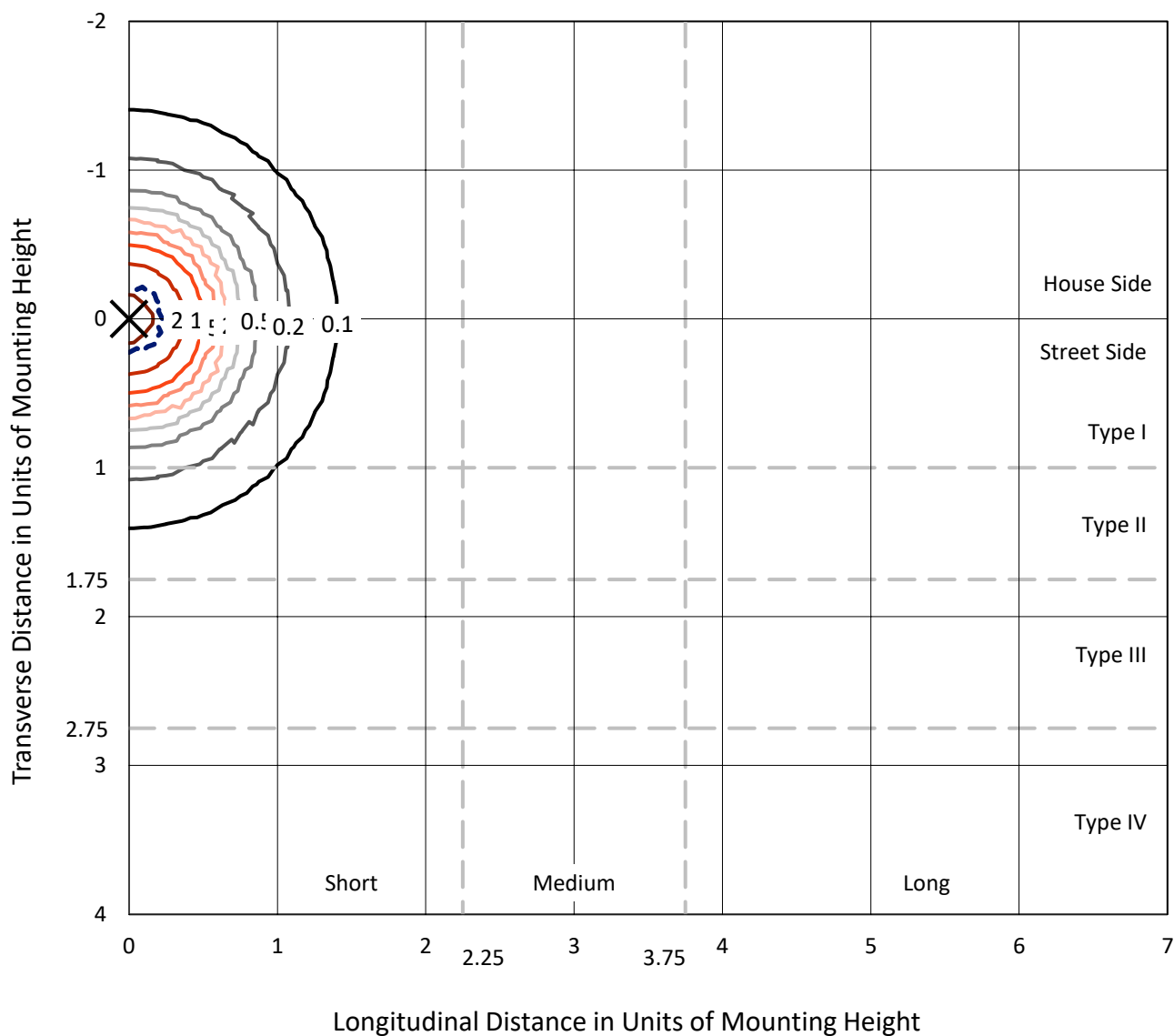
REPORT NUMBER: P525468

CATALOG NUMBER: IFLD-S-SA2D-930-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

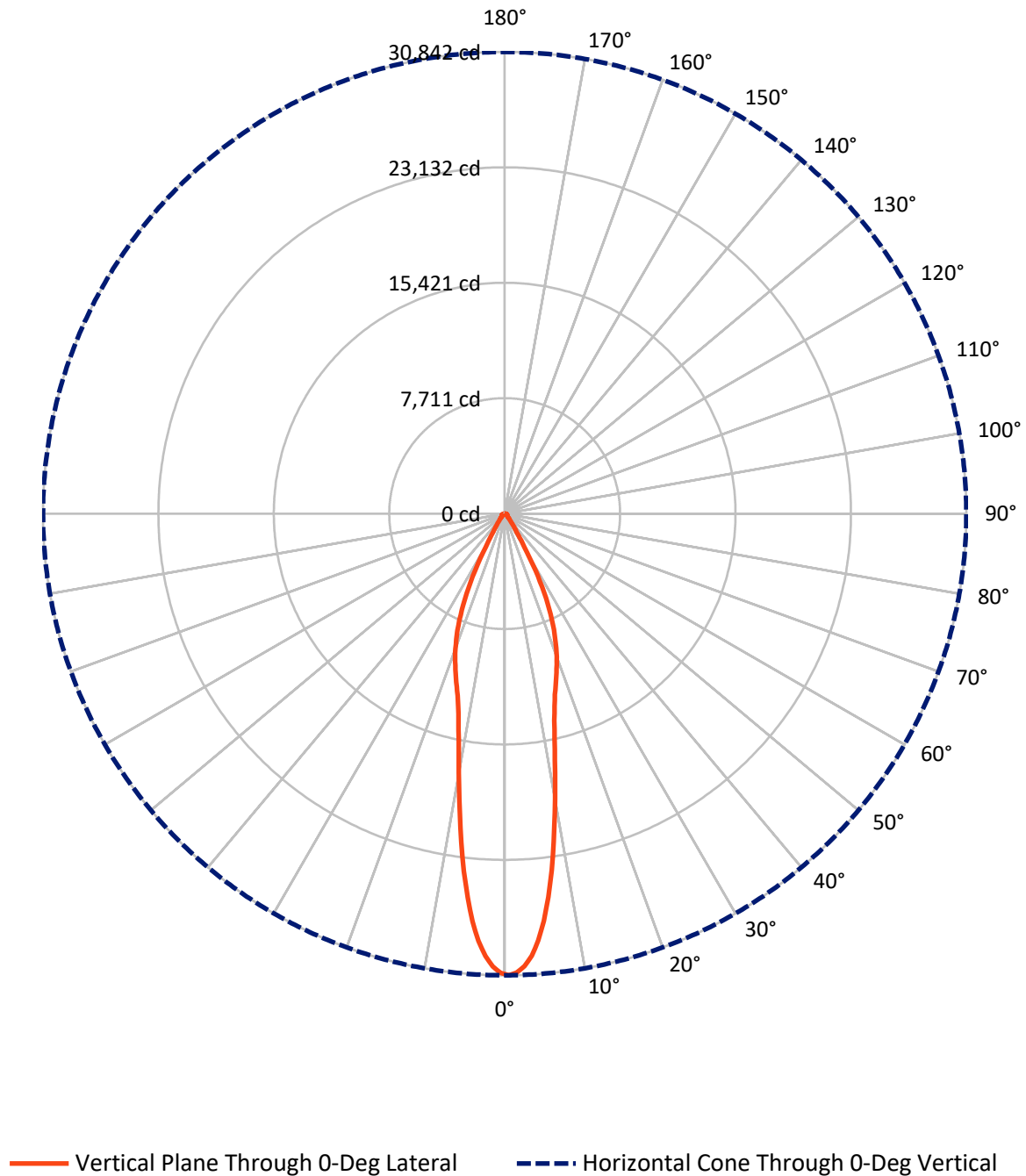


Based on 20 foot mounting height. Maximum calculated value = 77.1 fc

Type V - Short - N/A

REPORT NUMBER: P525468
CATALOG NUMBER: IFLD-S-SA2D-930-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525468

CATALOG NUMBER: IFLD-S-SA2D-930-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5145.1	0.0	5145.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5145.1	0.0	5145.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10290.1	0.0	10290.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2308.7	22.4
10°-20°	3600.6	35.0
20°-30°	2917.7	28.4
30°-40°	708.1	6.9
40°-50°	238.3	2.3
50°-60°	188.4	1.8
60°-70°	187.8	1.8
70°-80°	103.6	1.0
80°-90°	36.7	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°	10290.1	100.0
0°-180°	10290.1	100.0

Coefficient of Utilization



REPORT NUMBER: P525468

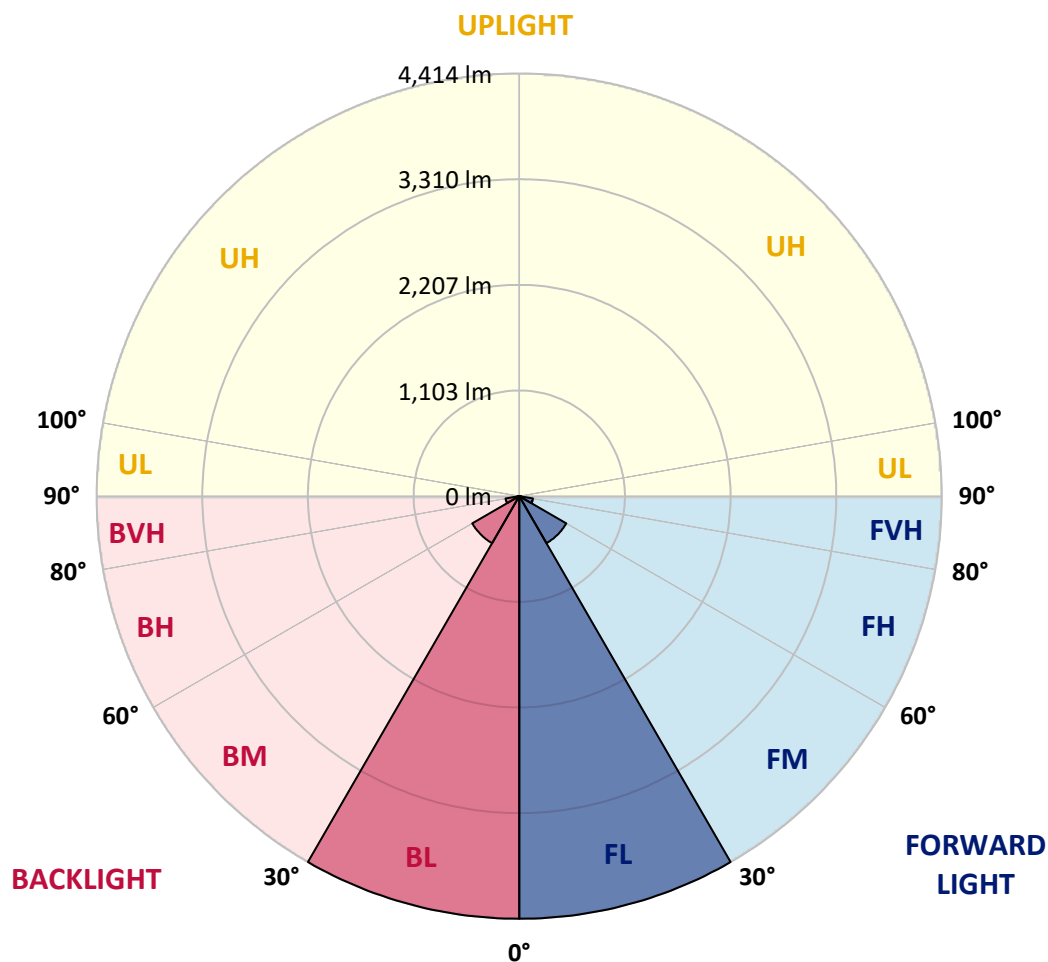
CATALOG NUMBER: IFLD-S-SA2D-930-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4413.5	42.9			
FM	(30°-60°)	567.4	5.5			
FH	(60°-80°)	145.7	1.4			G0/660
FVH	(80°-90°)	18.4	0.2			G1/100
BL	(0°-30°)	4413.5	42.9	B4/5000		
BM	(30°-60°)	567.4	5.5	B1/1000		
BH	(60°-80°)	145.7	1.4	B1/500		G0/660
BVH	(80°-90°)	18.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



REPORT NUMBER: P525468

CATALOG NUMBER: IFLD-S-SA2D-930-U-44

CANDELA DISTRIBUTION (FULL):

	0°
0°	30842.0
1°	30681.4
2°	30268.8
3°	29584.7
4°	28601.9
5°	27334.1
6°	25781.2
7°	24045.2
8°	22160.7
9°	20264.3
10°	18450.3
11°	16817.9
12°	15388.0
13°	14213.2
14°	13276.9
15°	12540.2
17.5°	11176.4
20°	9907.1
22.5°	8420.2
25°	6693.2
27.5°	4724.7
30°	2567.2
32.5°	1476.4
35°	985.8
37.5°	672.2
40°	478.6
42.5°	370.6
45°	289.6
47.5°	237.1
50°	217.6
52.5°	207.1
55°	202.6
57.5°	210.1
60°	222.1
62.5°	217.6
65°	193.6
67.5°	166.5
70°	141.0
72.5°	117.0
75°	96.0
77.5°	78.0
80°	63.0
82.5°	51.0
85°	39.0
87.5°	13.5



REPORT NUMBER: P525468
CATALOG NUMBER: IFLD-S-SA2D-930-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)