

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: P525584

Luminaire Tested: **IFLD-S-SA2C-950-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525584
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-950-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10558.6 lumens
Efficiency: N/A
Efficacy: 97.6 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): 108.2
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

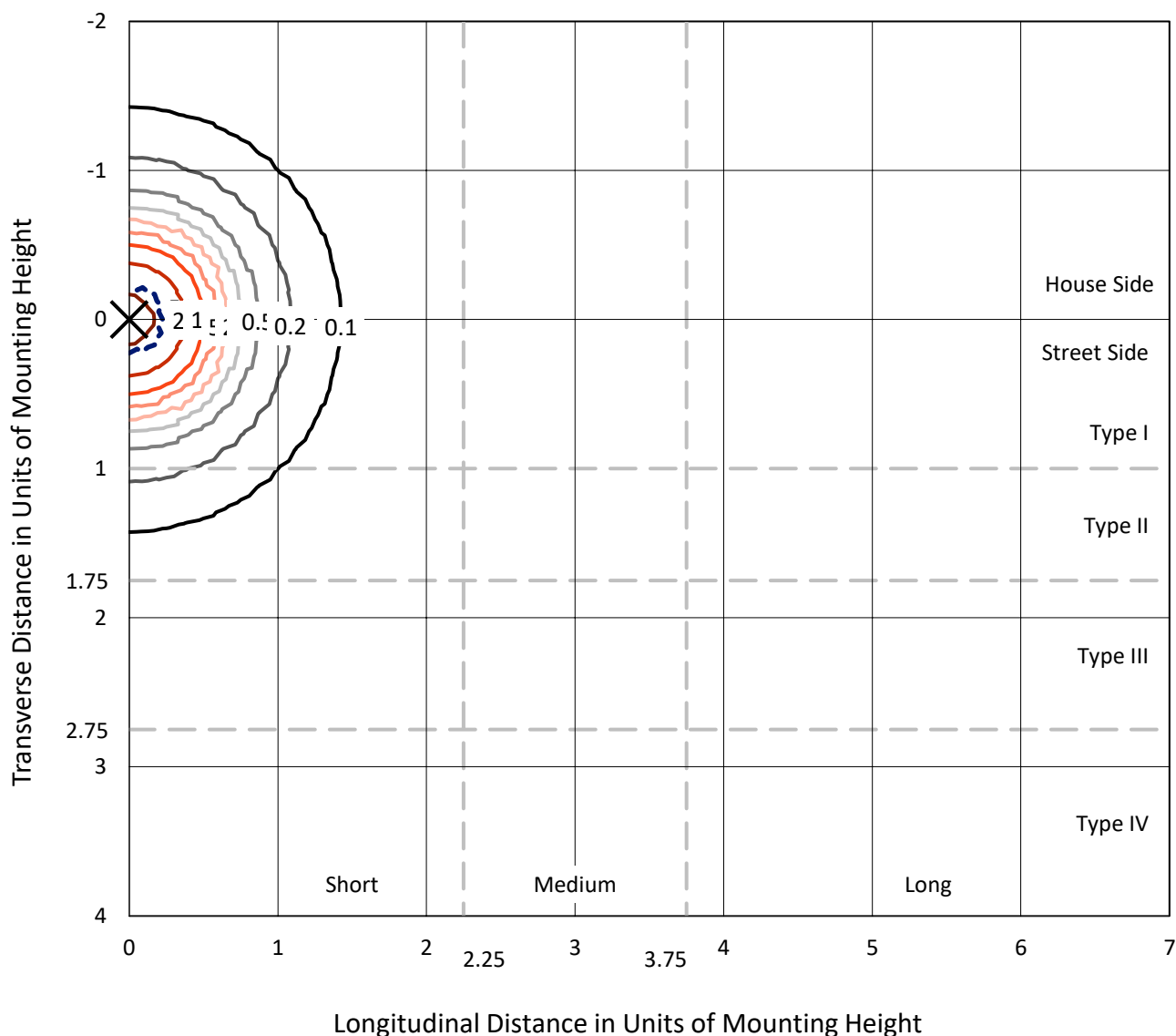
REPORT NUMBER: P525584

CATALOG NUMBER: IFLD-S-SA2C-950-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

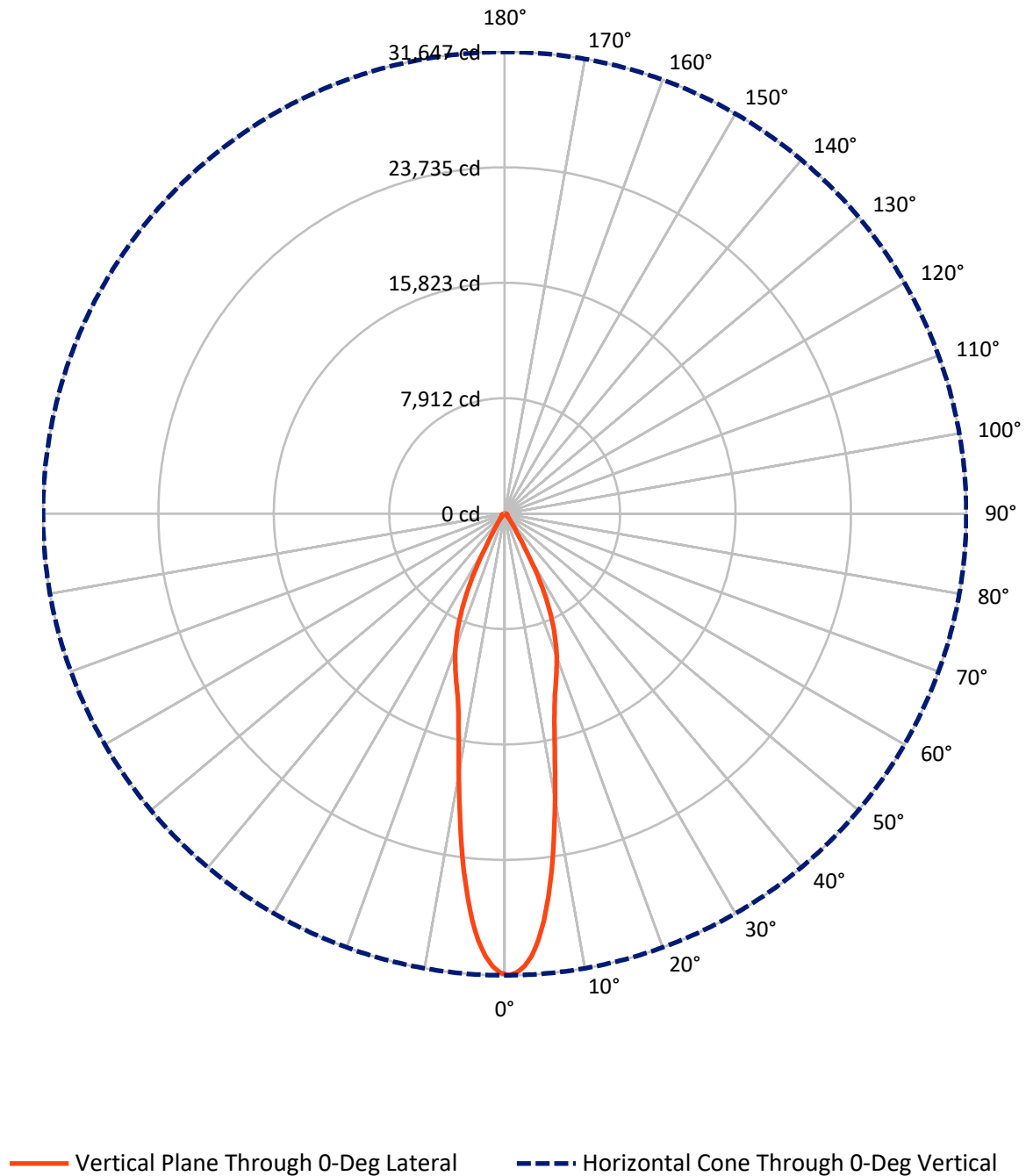


Based on 20 foot mounting height. Maximum calculated value = 79.1 fc

Type V - Short - N/A

REPORT NUMBER: P525584
CATALOG NUMBER: IFLD-S-SA2C-950-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525584

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5279.3	0.0	5279.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5279.3	0.0	5279.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	10558.6	0.0	10558.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2369.0	22.4
10°-20°	3694.6	35.0
20°-30°	2993.8	28.4
30°-40°	726.6	6.9
40°-50°	244.5	2.3
50°-60°	193.2	1.8
60°-70°	192.7	1.8
70°-80°	106.4	1.0
80°-90°	37.7	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°	10558.6	100.0
0°-180°	10558.6	100.0

Coefficient of Utilization



REPORT NUMBER: P525584

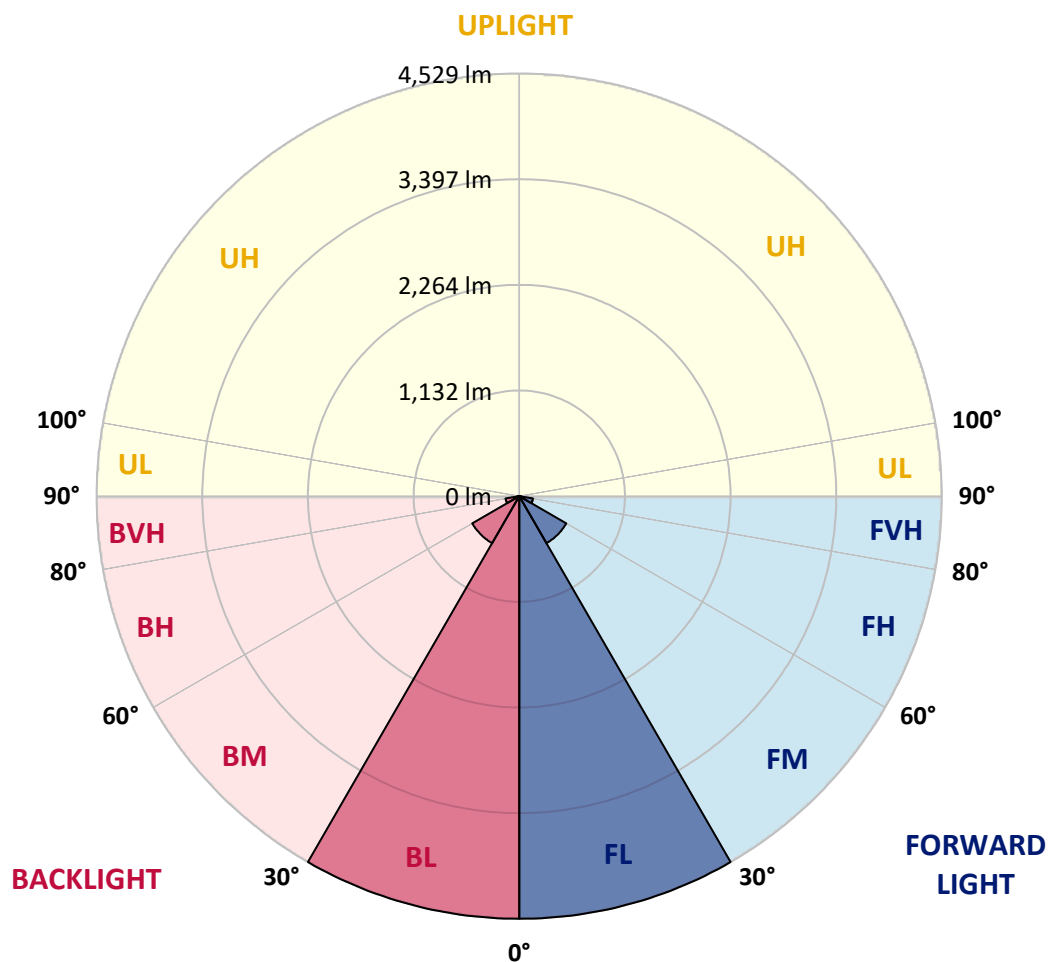
CATALOG NUMBER: IFLD-S-SA2C-950-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4528.7	42.9			
FM	(30°-60°)	582.2	5.5			
FH	(60°-80°)	149.6	1.4			G0/660
FVH	(80°-90°)	18.9	0.2			G1/100
BL	(0°-30°)	4528.7	42.9	B4/5000		
BM	(30°-60°)	582.2	5.5	B1/1000		
BH	(60°-80°)	149.6	1.4	B1/500		G0/660
BVH	(80°-90°)	18.9	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: P525584

CATALOG NUMBER: IFLD-S-SA2C-950-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	31646.8
1°	31482.1
2°	31058.7
3°	30356.7
4°	29348.3
5°	28047.4
6°	26454.0
7°	24672.7
8°	22739.0
9°	20793.1
10°	18931.8
11°	17256.7
12°	15789.5
13°	14584.1
14°	13623.4
15°	12867.5
17.5°	11468.1
20°	10165.6
22.5°	8639.9
25°	6867.9
27.5°	4848.0
30°	2634.2
32.5°	1514.9
35°	1011.5
37.5°	689.7
40°	491.1
42.5°	380.3
45°	297.1
47.5°	243.2
50°	223.2
52.5°	212.5
55°	207.8
57.5°	215.5
60°	227.9
62.5°	223.2
65°	198.6
67.5°	170.9
70°	144.7
72.5°	120.1
75°	98.5
77.5°	80.1
80°	64.7
82.5°	52.3
85°	40.0
87.5°	13.9

REPORT NUMBER: P525584
CATALOG NUMBER: IFLD-S-SA2C-950-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)