

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: P525506

Luminaire Tested: **IFLD-S-SA2C-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525506
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9702.3 lumens
Efficiency: N/A
Efficacy: 89.7 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

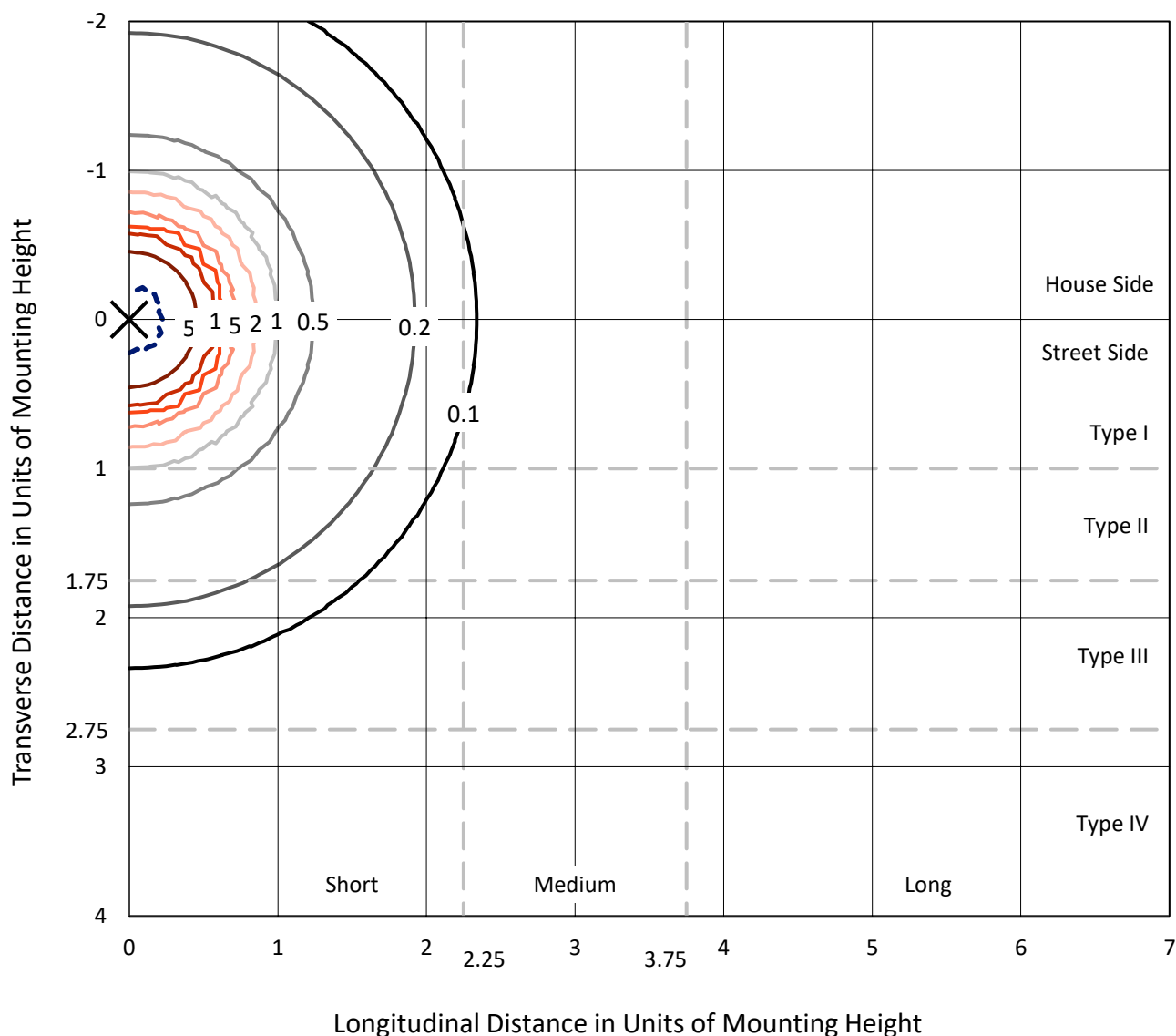
REPORT NUMBER: P525506

CATALOG NUMBER: IFLD-S-SA2C-935-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

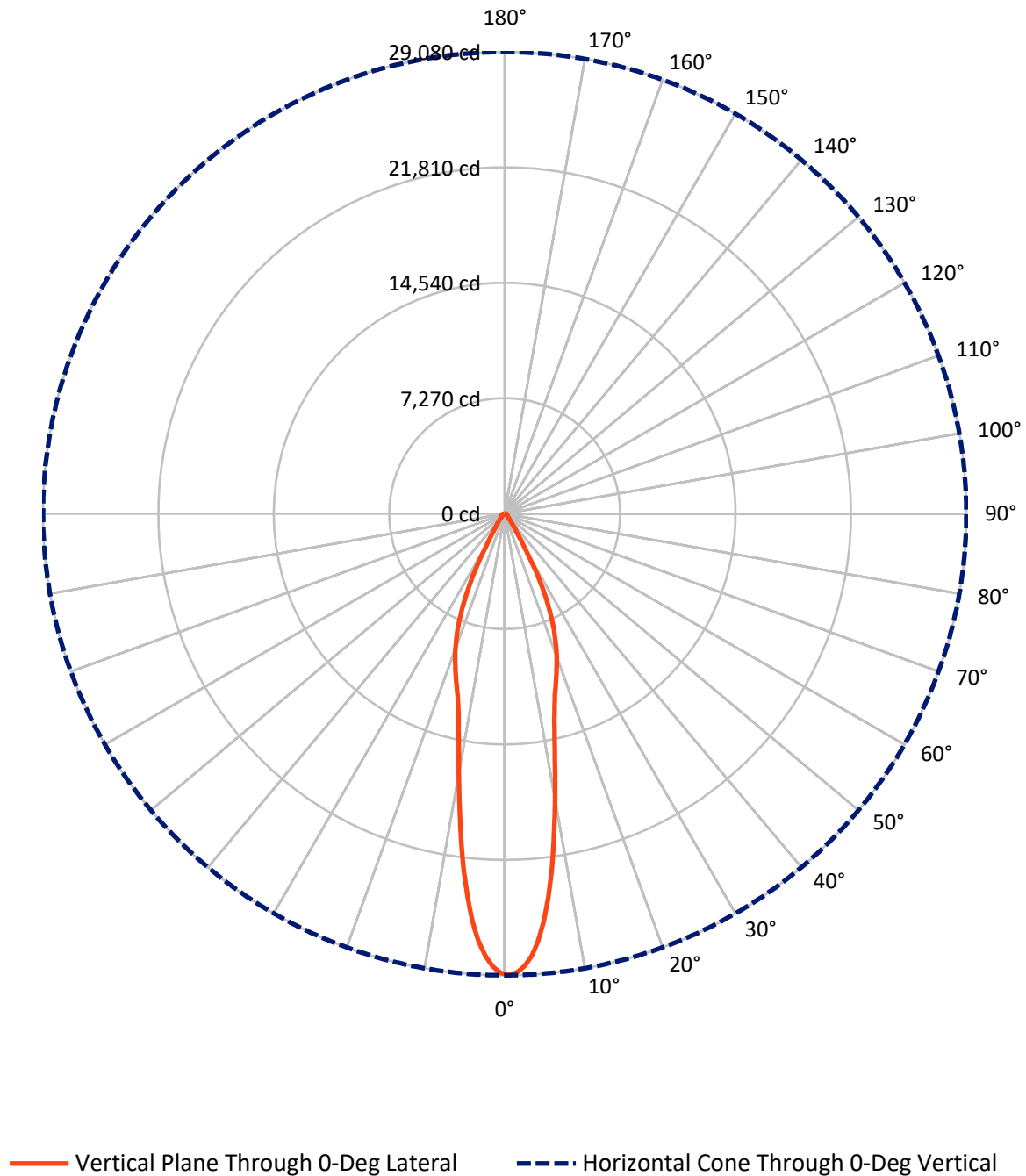


Based on 10 foot mounting height. Maximum calculated value = 290.8 fc

Type V - Short - N/A

REPORT NUMBER: P525506
CATALOG NUMBER: IFLD-S-SA2C-935-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525506

CATALOG NUMBER: IFLD-S-SA2C-935-U-44

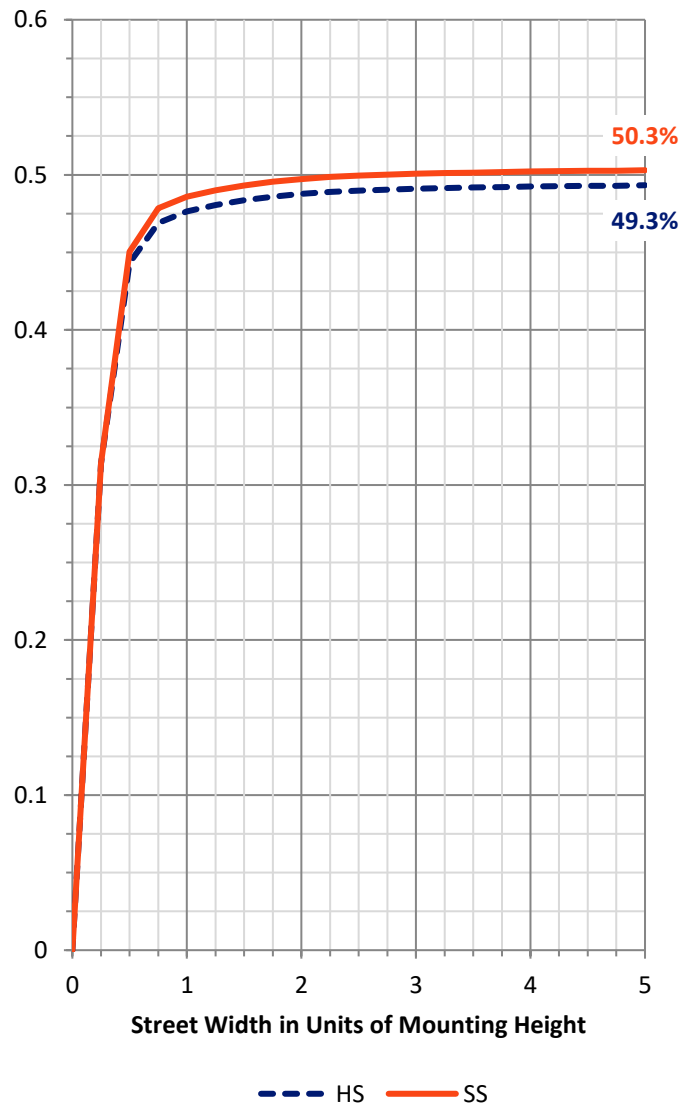
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4851.1	0.0	4851.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4851.1	0.0	4851.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9702.3	0.0	9702.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2176.9	22.4
10°-20°	3394.9	35.0
20°-30°	2751.0	28.4
30°-40°	667.7	6.9
40°-50°	224.7	2.3
50°-60°	177.6	1.8
60°-70°	177.1	1.8
70°-80°	97.7	1.0
80°-90°	34.6	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°	9702.3	100.0
0°-180°	9702.3	100.0

Coefficient of Utilization



REPORT NUMBER: P525506

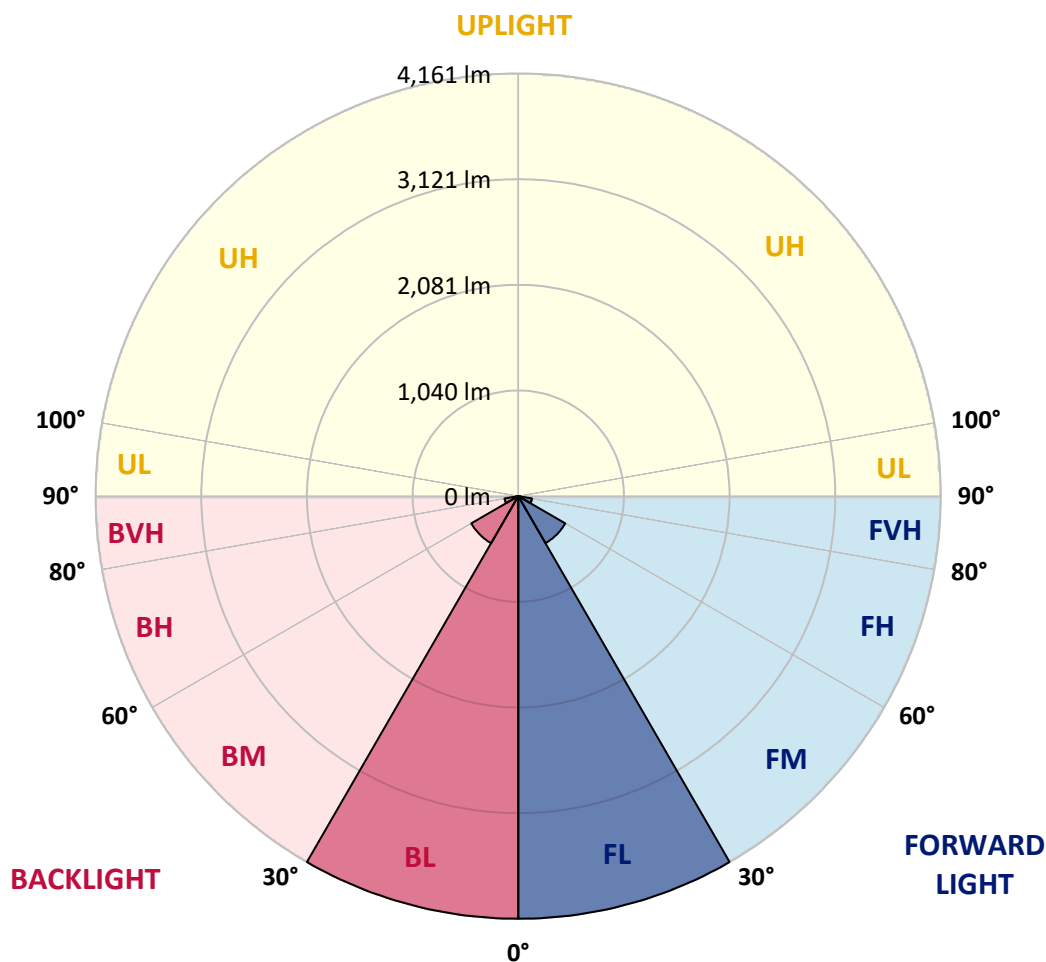
CATALOG NUMBER: IFLD-S-SA2C-935-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4161.4	42.9			
FM	(30°-60°)	535.0	5.5			
FH	(60°-80°)	137.4	1.4			G0/660
FVH	(80°-90°)	17.3	0.2			G1/100
BL	(0°-30°)	4161.4	42.9	B4/5000		
BM	(30°-60°)	535.0	5.5	B1/1000		
BH	(60°-80°)	137.4	1.4	B1/500		G0/660
BVH	(80°-90°)	17.3	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: P525506
CATALOG NUMBER: IFLD-S-SA2C-935-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	29080.3
1°	28928.9
2°	28539.9
3°	27894.8
4°	26968.1
5°	25772.7
6°	24308.5
7°	22671.7
8°	20894.9
9°	19106.7
10°	17396.4
11°	15857.2
12°	14509.0
13°	13401.3
14°	12518.6
15°	11823.9
17.5°	10538.0
20°	9341.2
22.5°	7939.2
25°	6310.9
27.5°	4454.8
30°	2420.5
32.5°	1392.1
35°	929.4
37.5°	633.8
40°	451.3
42.5°	349.4
45°	273.0
47.5°	223.5
50°	205.1
52.5°	195.2
55°	191.0
57.5°	198.1
60°	209.4
62.5°	205.1
65°	182.5
67.5°	157.0
70°	133.0
72.5°	110.3
75°	90.5
77.5°	73.6
80°	59.4
82.5°	48.1
85°	36.8
87.5°	12.7

REPORT NUMBER: P525506
CATALOG NUMBER: IFLD-S-SA2C-935-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)