

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: P525526

Luminaire Tested: **IFLD-S-SA6C-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525526
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28364 lumens
Efficiency: N/A
Efficacy: 88.2 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

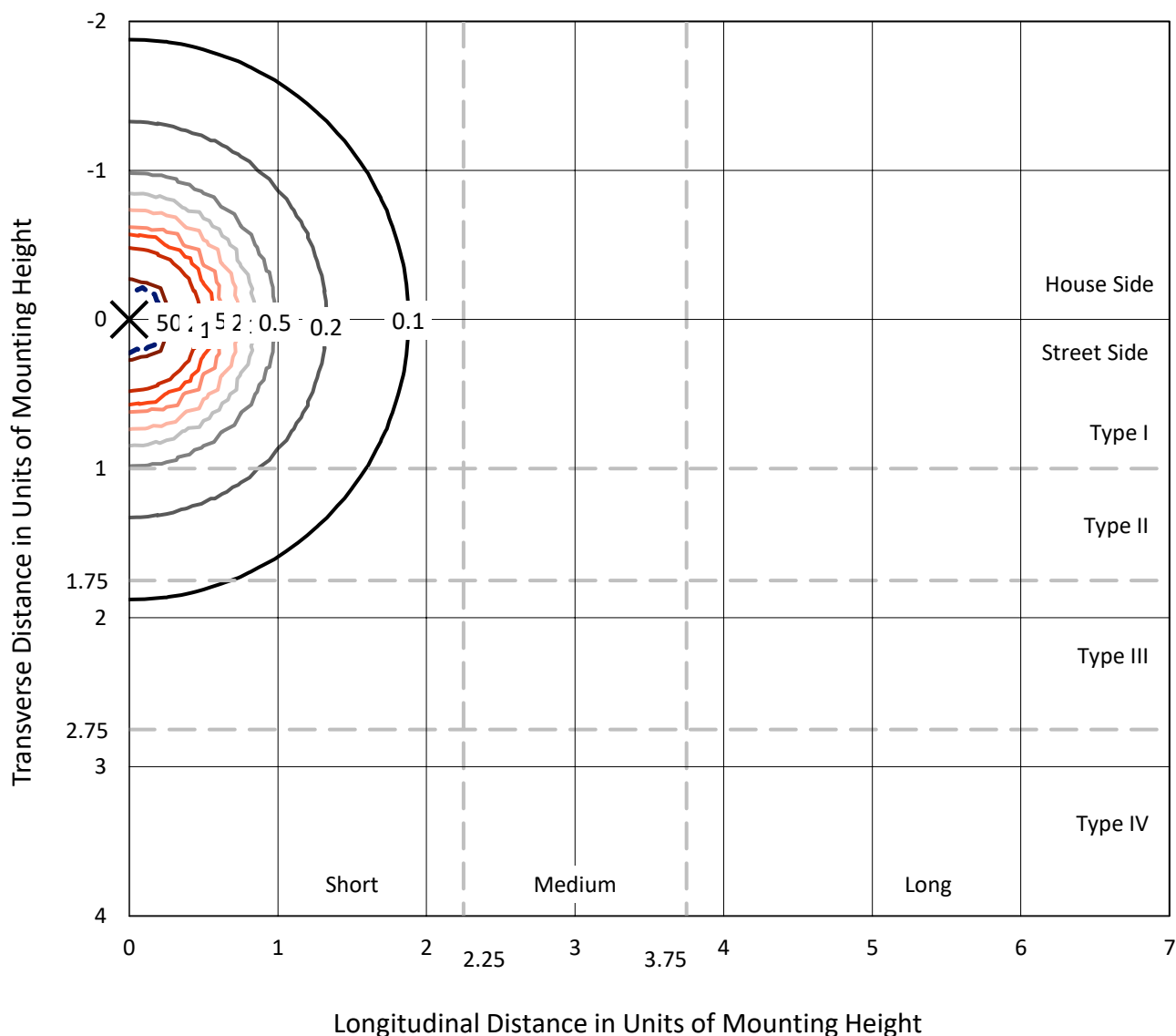
REPORT NUMBER: P525526

CATALOG NUMBER: IFLD-S-SA6C-935-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

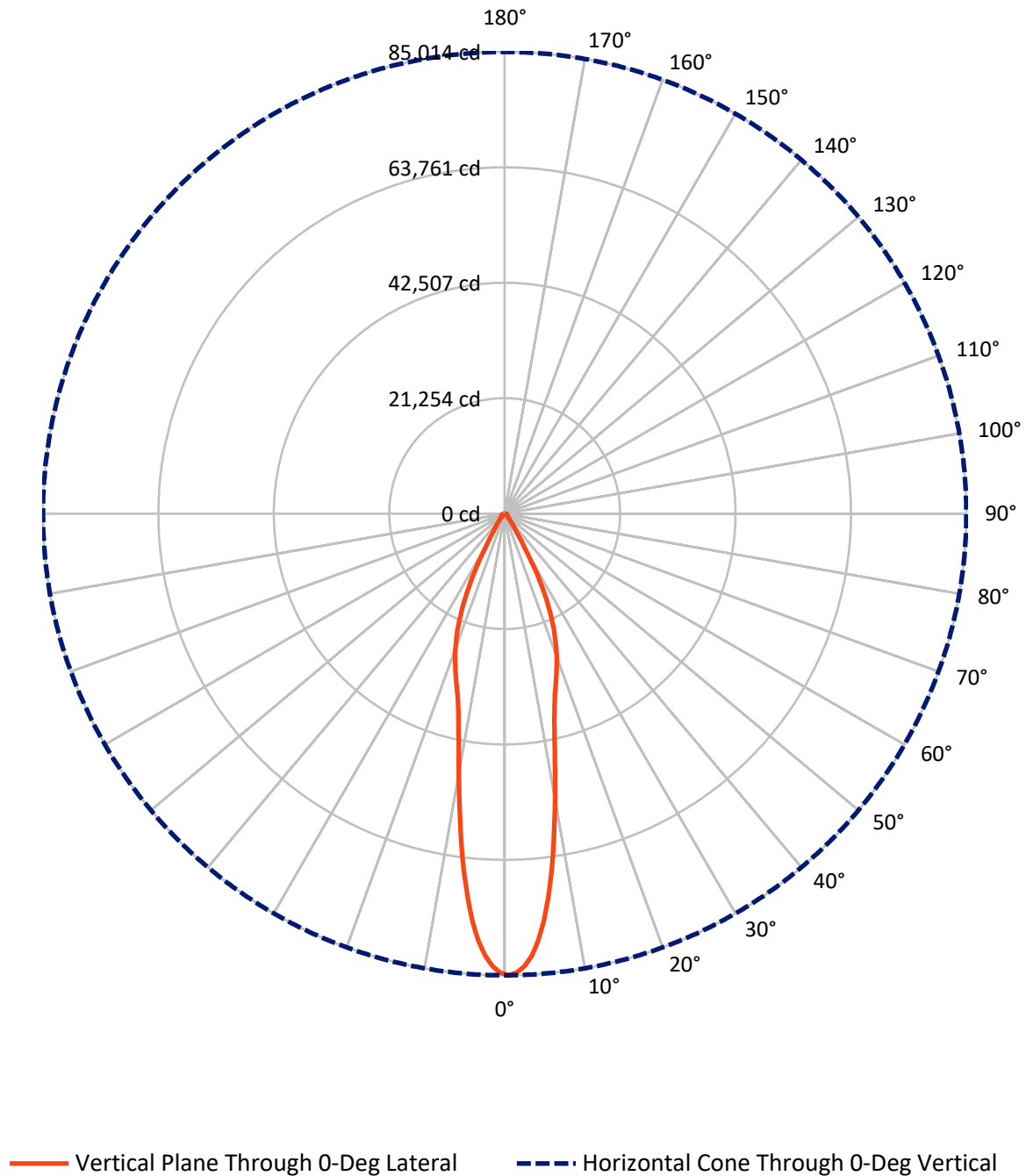


Based on 25 foot mounting height. Maximum calculated value = 136 fc

Type V - Short - N/A

REPORT NUMBER: P525526
CATALOG NUMBER: IFLD-S-SA6C-935-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525526

CATALOG NUMBER: IFLD-S-SA6C-935-U-44

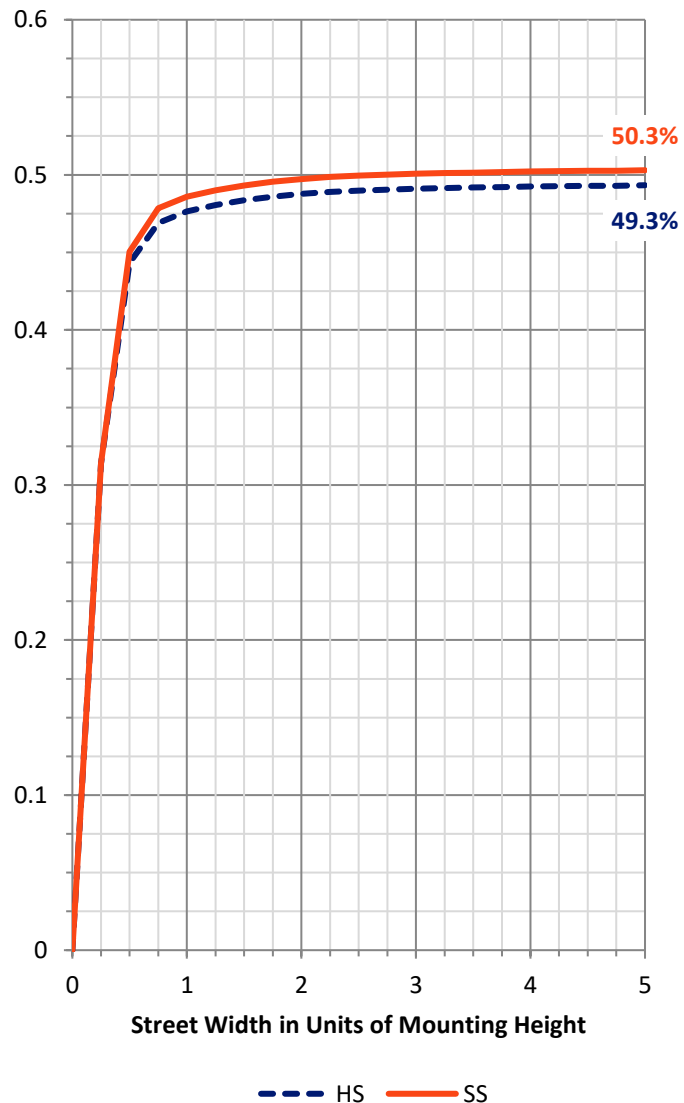
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14182.0	0.0	14182.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14182.0	0.0	14182.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28364.0	0.0	28364.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6363.9	22.4
10°-20°	9924.9	35.0
20°-30°	8042.5	28.4
30°-40°	1951.9	6.9
40°-50°	656.9	2.3
50°-60°	519.1	1.8
60°-70°	517.8	1.8
70°-80°	285.8	1.0
80°-90°	101.3	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°	28364.0	100.0
0°-180°	28364.0	100.0

Coefficient of Utilization



REPORT NUMBER: P525526

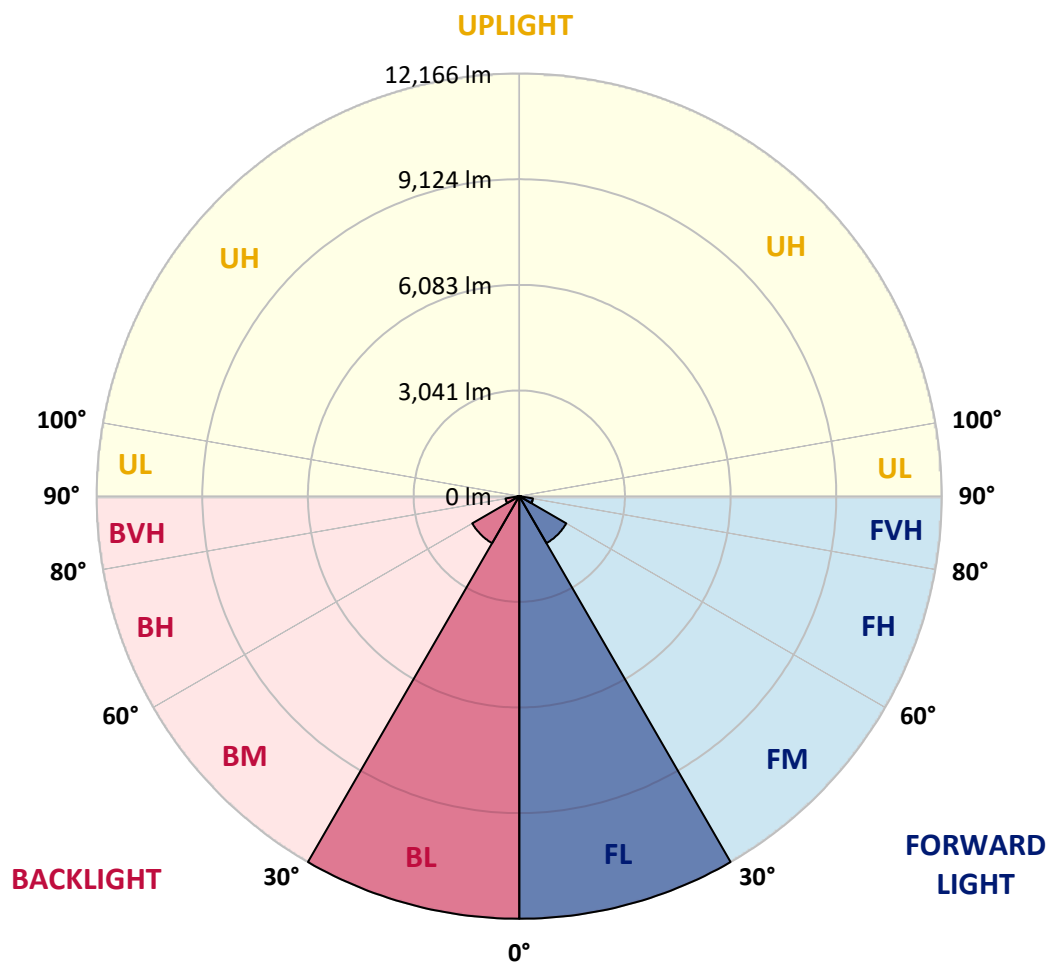
CATALOG NUMBER: IFLD-S-SA6C-935-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12165.6	42.9			
FM	(30°-60°)	1563.9	5.5			
FH	(60°-80°)	401.8	1.4			G0/660
FVH	(80°-90°)	50.6	0.2			G1/100
BL	(0°-30°)	12165.6	42.9	B5		
BM	(30°-60°)	1563.9	5.5	B2/2500		
BH	(60°-80°)	401.8	1.4	B1/500		G0/660
BVH	(80°-90°)	50.6	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: P525526

CATALOG NUMBER: IFLD-S-SA6C-935-U-44

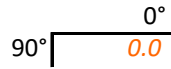
CANDELA DISTRIBUTION (FULL):

0°	
0°	85014.0
1°	84571.5
2°	83434.2
3°	81548.3
4°	78839.4
5°	75344.7
6°	71064.2
7°	66279.2
8°	61084.7
9°	55857.1
10°	50857.0
11°	46357.4
12°	42416.0
13°	39177.7
14°	36597.1
15°	34566.4
17.5°	30807.0
20°	27308.2
22.5°	23209.7
25°	18449.5
27.5°	13023.4
30°	7076.2
32.5°	4069.6
35°	2717.2
37.5°	1852.8
40°	1319.3
42.5°	1021.5
45°	798.2
47.5°	653.4
50°	599.7
52.5°	570.7
55°	558.3
57.5°	579.0
60°	612.1
62.5°	599.7
65°	533.5
67.5°	459.1
70°	388.8
72.5°	322.6
75°	264.7
77.5°	215.1
80°	173.7
82.5°	140.6
85°	107.5
87.5°	37.2



REPORT NUMBER: P525526
CATALOG NUMBER: IFLD-S-SA6C-935-U-44

CANDELA DISTRIBUTION (continued):



(END OF REPORT)