

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: P525528

Luminaire Tested: **IFLD-S-SA6E-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525528
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-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: 36119.3 lumens
Efficiency: N/A
Efficacy: 77.8 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): 464.2
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

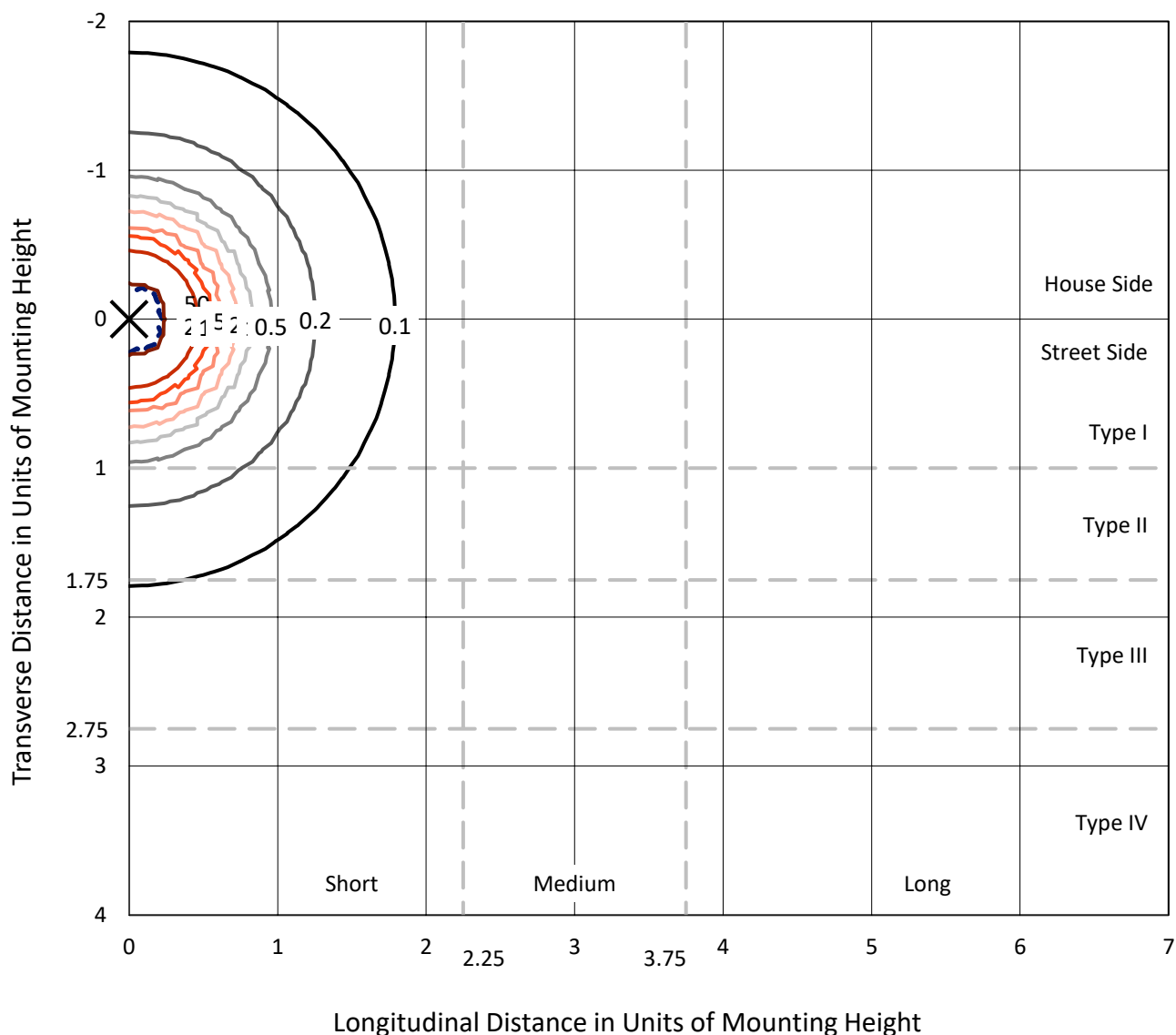
REPORT NUMBER: P525528

CATALOG NUMBER: IFLD-S-SA6E-935-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

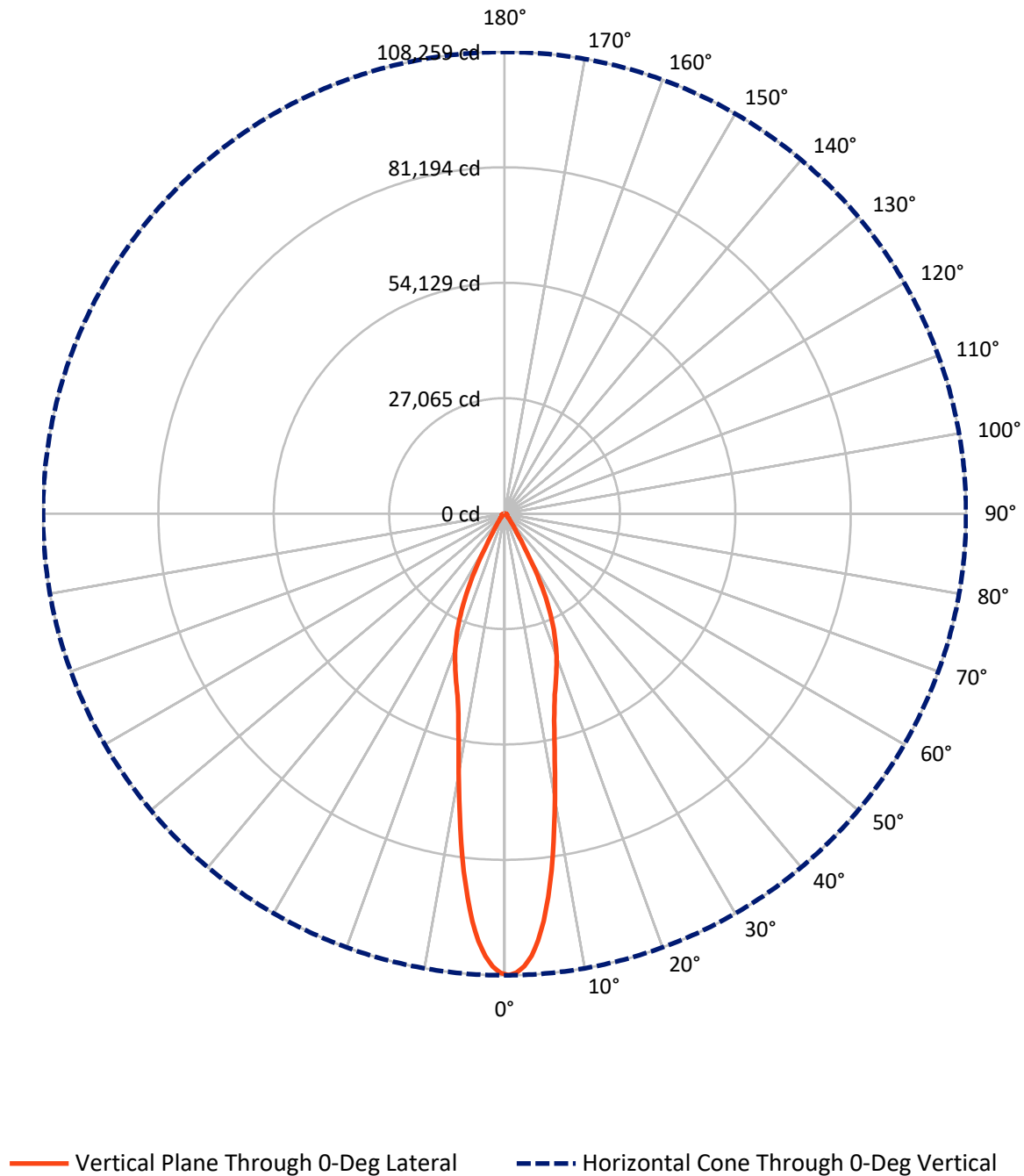


Based on 30 foot mounting height. Maximum calculated value = 120.3 fc

Type V - Short - N/A

REPORT NUMBER: P525528
CATALOG NUMBER: IFLD-S-SA6E-935-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525528

CATALOG NUMBER: IFLD-S-SA6E-935-U-44

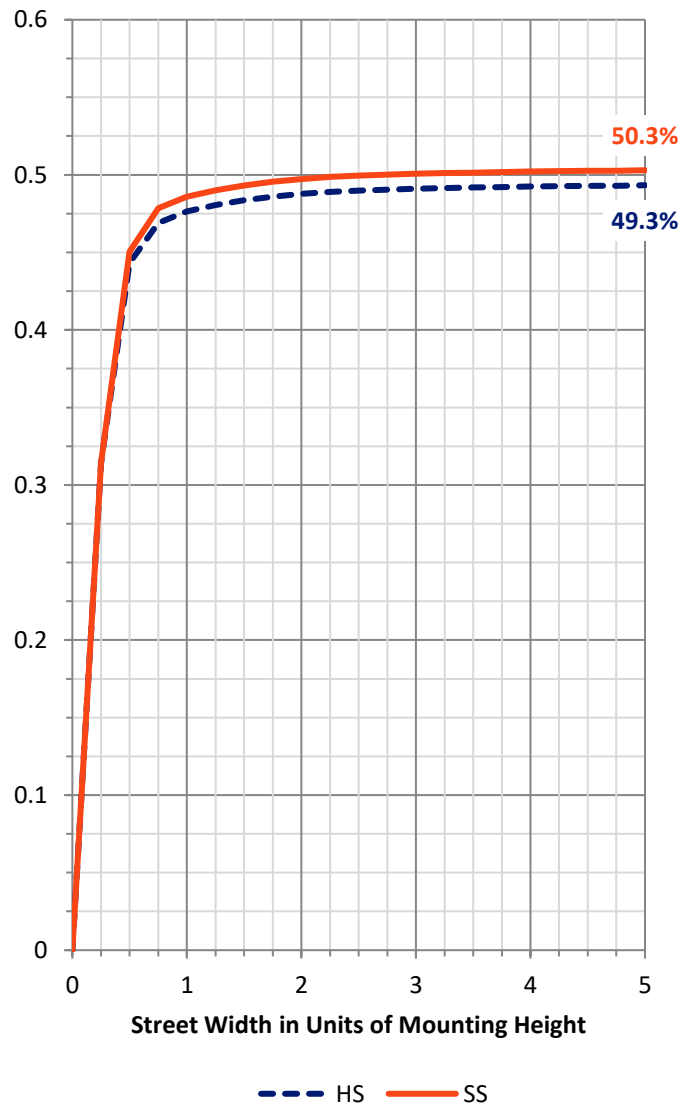
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18059.6	0.0	18059.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18059.6	0.0	18059.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	36119.3	0.0	36119.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8104.0	22.4
10°-20°	12638.6	35.0
20°-30°	10241.5	28.4
30°-40°	2485.6	6.9
40°-50°	836.5	2.3
50°-60°	661.0	1.8
60°-70°	659.3	1.8
70°-80°	363.9	1.0
80°-90°	129.0	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°	36119.3	100.0
0°-180°	36119.3	100.0

Coefficient of Utilization



REPORT NUMBER: P525528

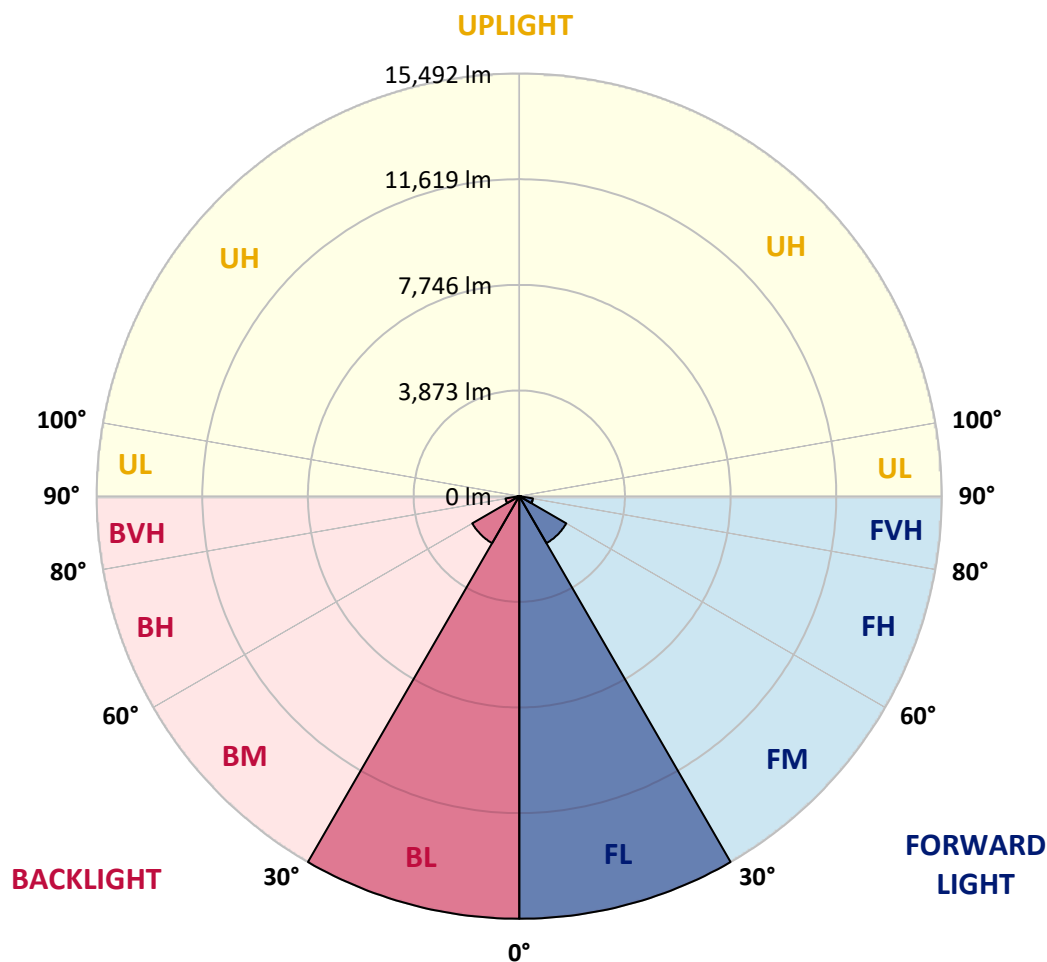
CATALOG NUMBER: IFLD-S-SA6E-935-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	15492.0	42.9			
FM	(30°-60°)	1991.5	5.5			
FH	(60°-80°)	511.6	1.4			G0/660
FVH	(80°-90°)	64.5	0.2			G1/100
BL	(0°-30°)	15492.0	42.9	B5		
BM	(30°-60°)	1991.5	5.5	B2/2500		
BH	(60°-80°)	511.6	1.4	B2/1000		G0/660
BVH	(80°-90°)	64.5	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: P525528

CATALOG NUMBER: IFLD-S-SA6E-935-U-44

CANDELA DISTRIBUTION (FULL):

	0°
0°	108258.7
1°	107695.1
2°	106246.9
3°	103845.3
4°	100395.7
5°	95945.5
6°	90494.7
7°	84401.3
8°	77786.6
9°	71129.7
10°	64762.4
11°	59032.5
12°	54013.5
13°	49889.8
14°	46603.5
15°	44017.6
17.5°	39230.3
20°	34774.9
22.5°	29555.7
25°	23494.0
27.5°	16584.3
30°	9011.0
32.5°	5182.3
35°	3460.1
37.5°	2359.4
40°	1680.0
42.5°	1300.8
45°	1016.4
47.5°	832.1
50°	763.6
52.5°	726.8
55°	711.0
57.5°	737.3
60°	779.4
62.5°	763.6
65°	679.4
67.5°	584.6
70°	495.1
72.5°	410.8
75°	337.1
77.5°	273.9
80°	221.2
82.5°	179.1
85°	136.9
87.5°	47.4

REPORT NUMBER: P525528
CATALOG NUMBER: IFLD-S-SA6E-935-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)