

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: P525534

Luminaire Tested: **IFLD-L-SA7A-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525534
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21366.2 lumens
Efficiency: N/A
Efficacy: 98.2 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): 217.6
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

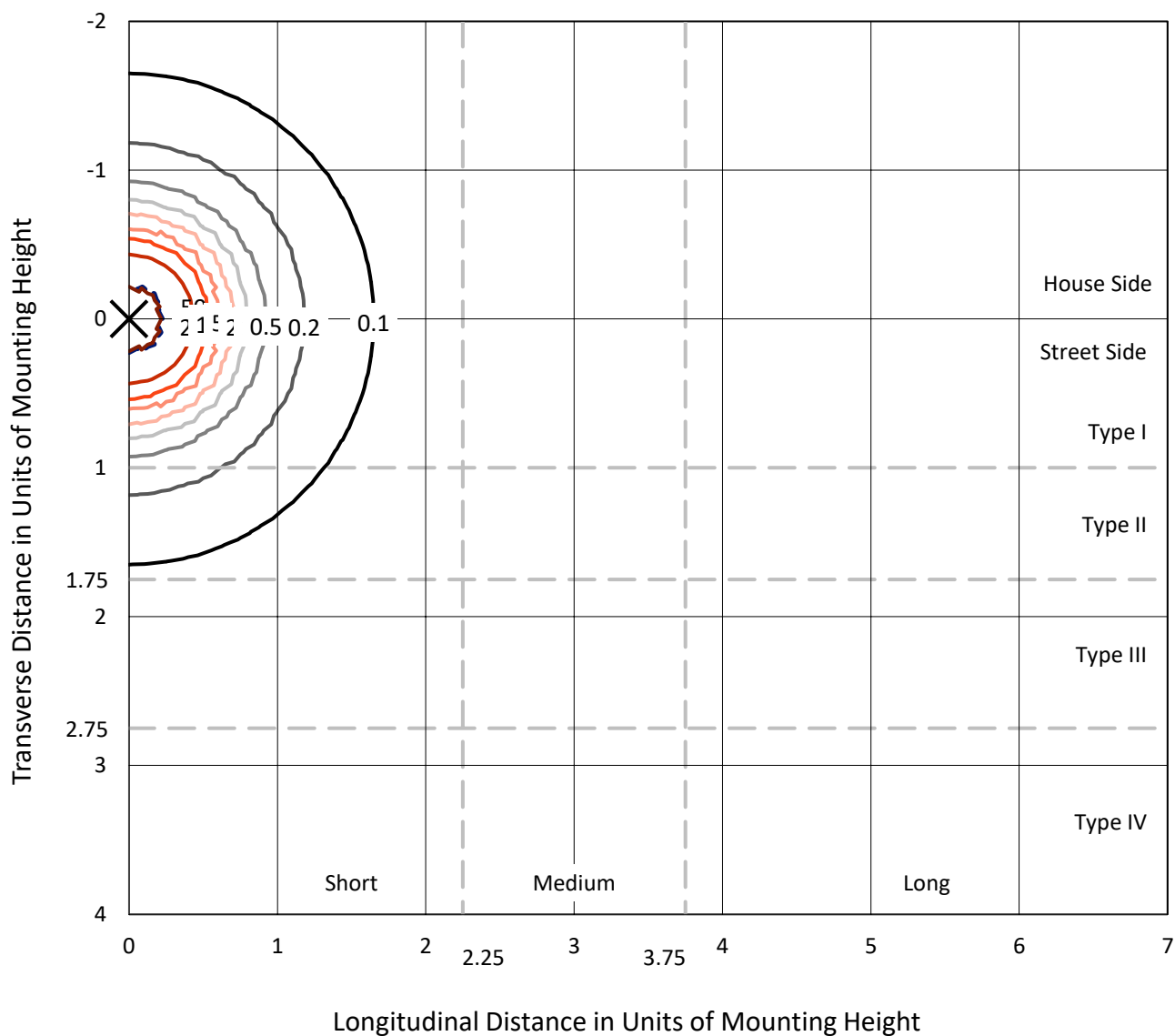
REPORT NUMBER: P525534

CATALOG NUMBER: IFLD-L-SA7A-935-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

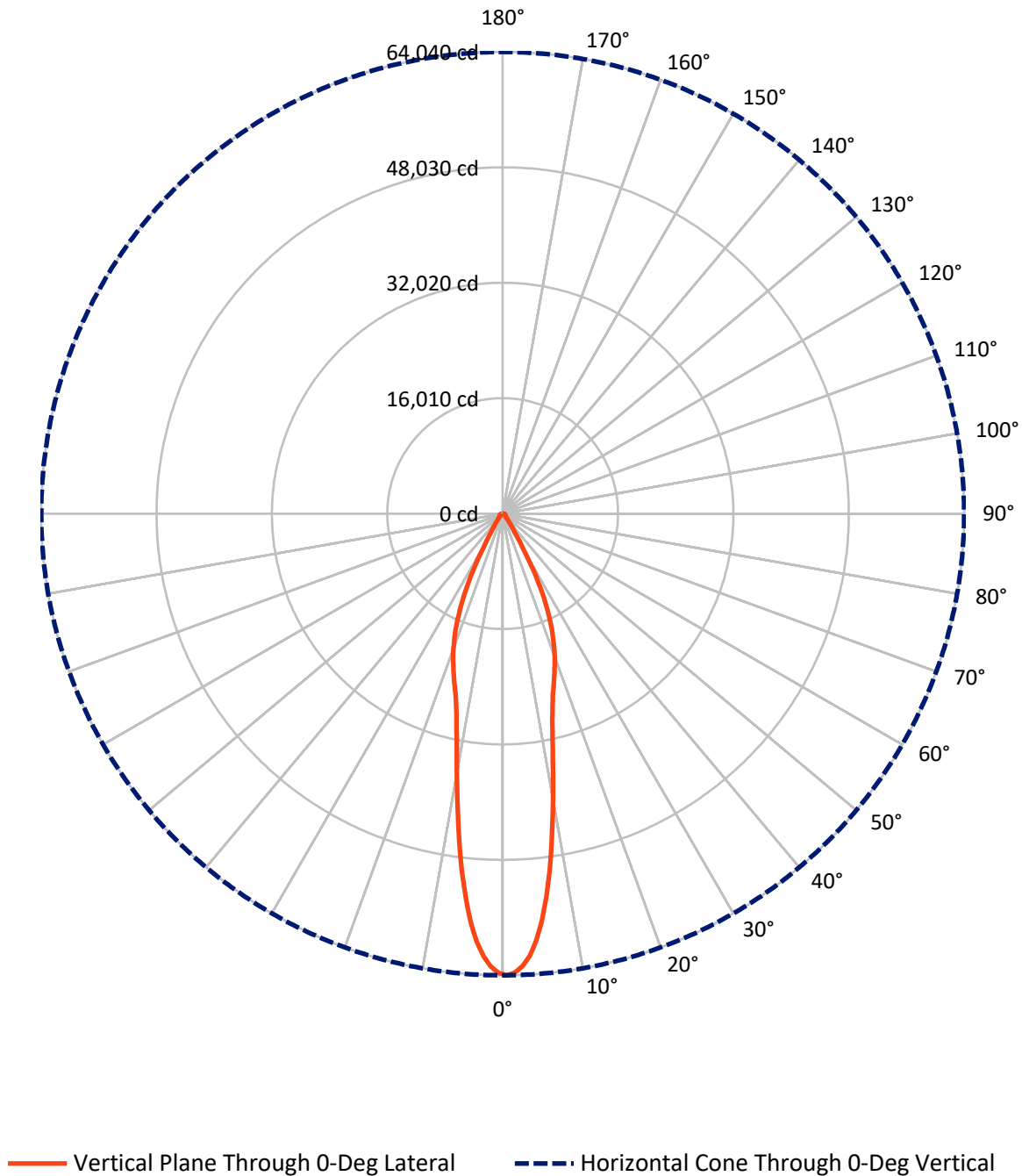


Based on 25 foot mounting height. Maximum calculated value = 102.5 fc

Type V - Short - N/A

REPORT NUMBER: P525534
CATALOG NUMBER: IFLD-L-SA7A-935-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525534

CATALOG NUMBER: IFLD-L-SA7A-935-U-44

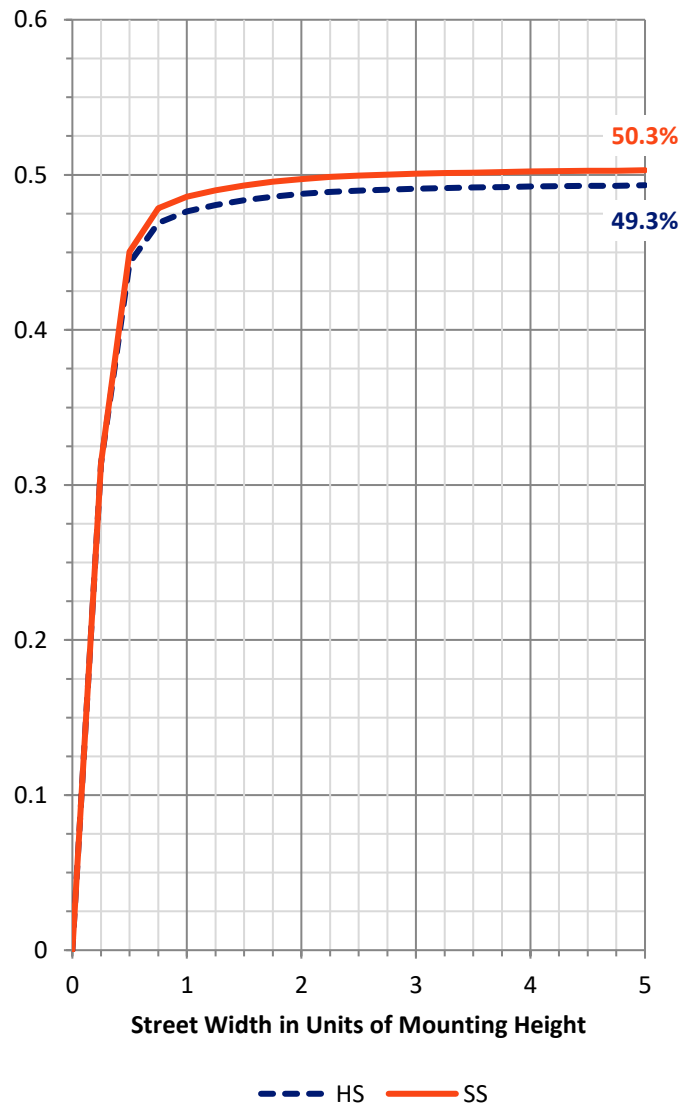
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10683.1	0.0	10683.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10683.1	0.0	10683.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	21366.2	0.0	21366.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4793.9	22.4
10°-20°	7476.3	35.0
20°-30°	6058.3	28.4
30°-40°	1470.3	6.9
40°-50°	494.8	2.3
50°-60°	391.0	1.8
60°-70°	390.0	1.8
70°-80°	215.2	1.0
80°-90°	76.3	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°	21366.2	100.0
0°-180°	21366.2	100.0

Coefficient of Utilization



REPORT NUMBER: P525534

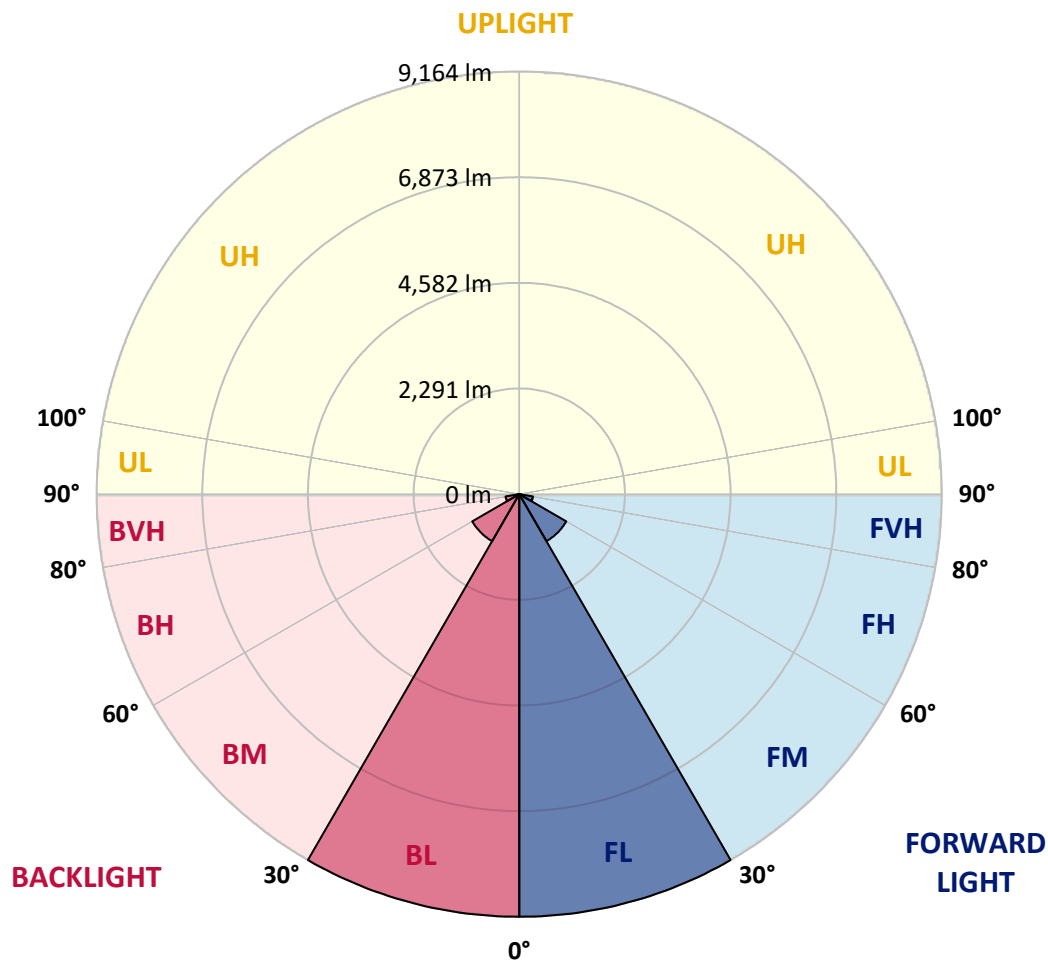
CATALOG NUMBER: IFLD-L-SA7A-935-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9164.2	42.9			
FM	(30°-60°)	1178.1	5.5			
FH	(60°-80°)	302.6	1.4			G0/660
FVH	(80°-90°)	38.1	0.2			G1/100
BL	(0°-30°)	9164.2	42.9	B5		
BM	(30°-60°)	1178.1	5.5	B2/2500		
BH	(60°-80°)	302.6	1.4	B1/500		G0/660
BVH	(80°-90°)	38.1	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: P525534
CATALOG NUMBER: IFLD-L-SA7A-935-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	64040.1
1°	63706.8
2°	62850.0
3°	61429.4
4°	59388.8
5°	56756.3
6°	53531.9
7°	49927.4
8°	46014.4
9°	42076.6
10°	38310.0
11°	34920.5
12°	31951.5
13°	29512.2
14°	27568.2
15°	26038.5
17.5°	23206.6
20°	20571.0
22.5°	17483.6
25°	13897.8
27.5°	9810.4
30°	5330.4
32.5°	3065.6
35°	2046.8
37.5°	1395.7
40°	993.8
42.5°	769.5
45°	601.3
47.5°	492.2
50°	451.7
52.5°	429.9
55°	420.6
57.5°	436.2
60°	461.1
62.5°	451.7
65°	401.9
67.5°	345.8
70°	292.8
72.5°	243.0
75°	199.4
77.5°	162.0
80°	130.8
82.5°	105.9
85°	81.0
87.5°	28.0

REPORT NUMBER: P525534
CATALOG NUMBER: IFLD-L-SA7A-935-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)