

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: P525513

Luminaire Tested: **IFLD-S-SA3E-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525513
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18412.5 lumens
Efficiency: N/A
Efficacy: 79.3 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): 232.1
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

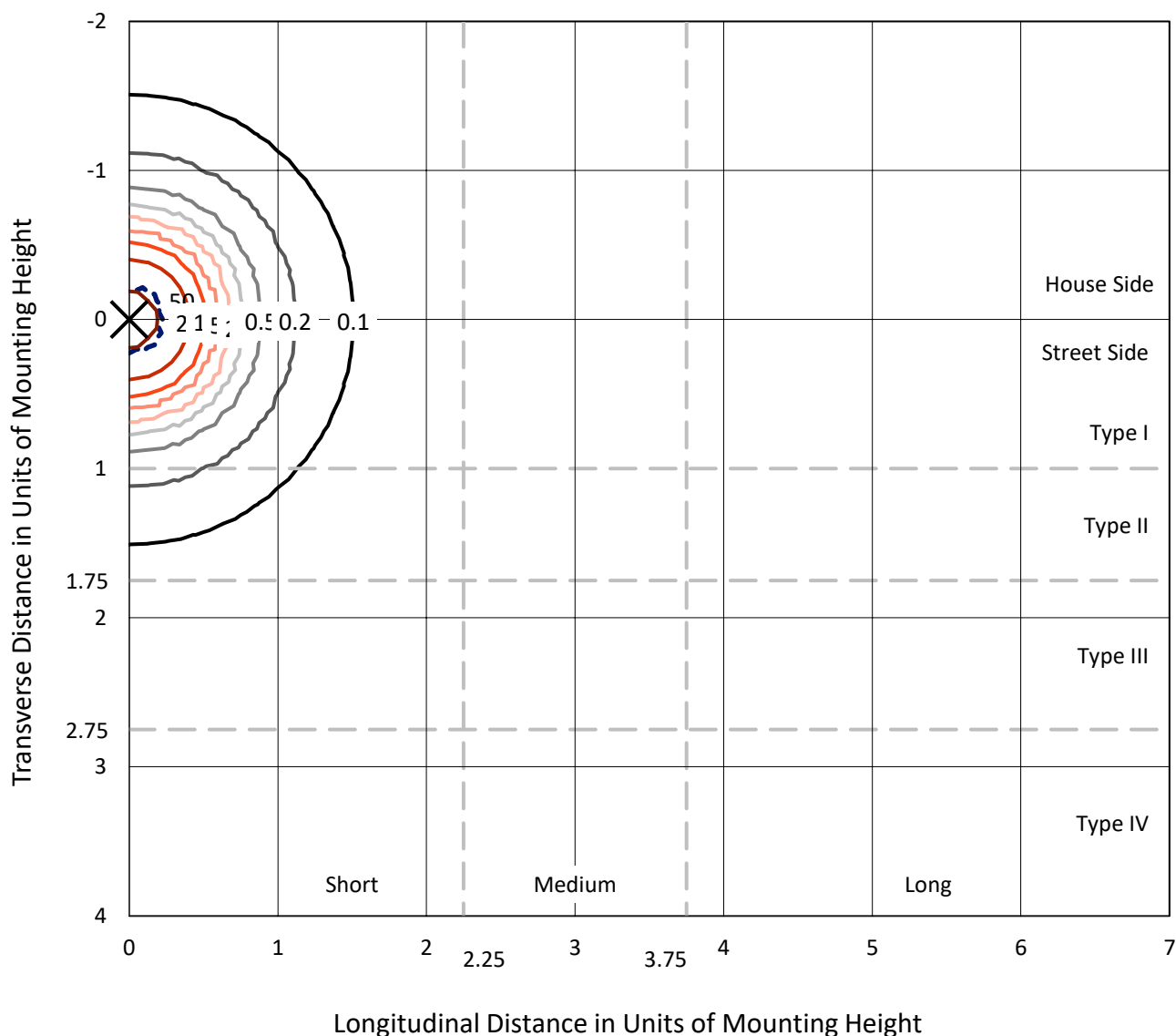
REPORT NUMBER: P525513

CATALOG NUMBER: IFLD-S-SA3E-935-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

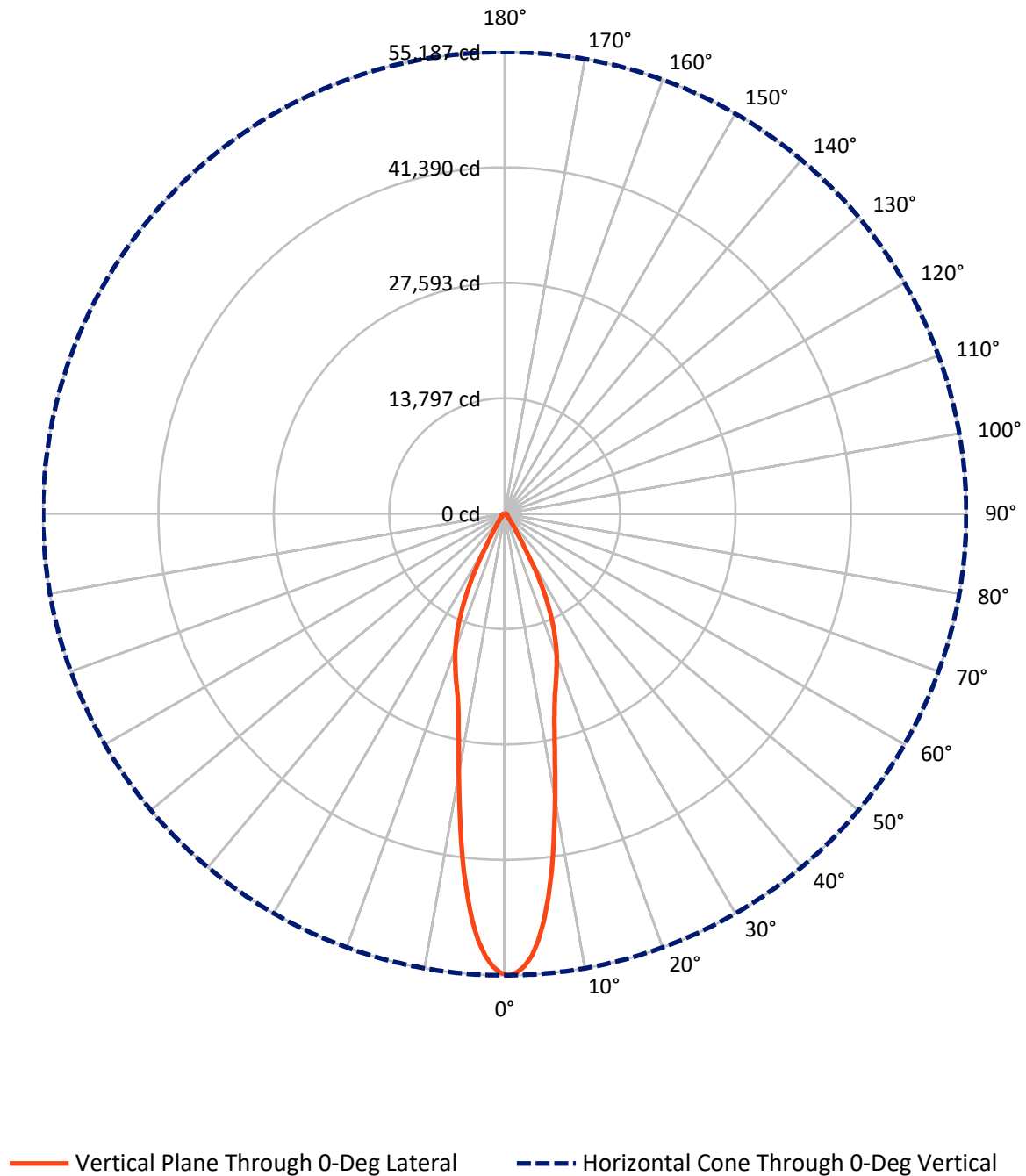


Based on 25 foot mounting height. Maximum calculated value = 88.3 fc

Type V - Short - N/A

REPORT NUMBER: P525513
CATALOG NUMBER: IFLD-S-SA3E-935-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525513

CATALOG NUMBER: IFLD-S-SA3E-935-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9206.2	0.0	9206.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9206.2	0.0	9206.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	18412.5	0.0	18412.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4131.1	22.4
10°-20°	6442.7	35.0
20°-30°	5220.8	28.4
30°-40°	1267.1	6.9
40°-50°	426.4	2.3
50°-60°	337.0	1.8
60°-70°	336.1	1.8
70°-80°	185.5	1.0
80°-90°	65.8	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°	18412.5	100.0
0°-180°	18412.5	100.0

Coefficient of Utilization



REPORT NUMBER: P525513

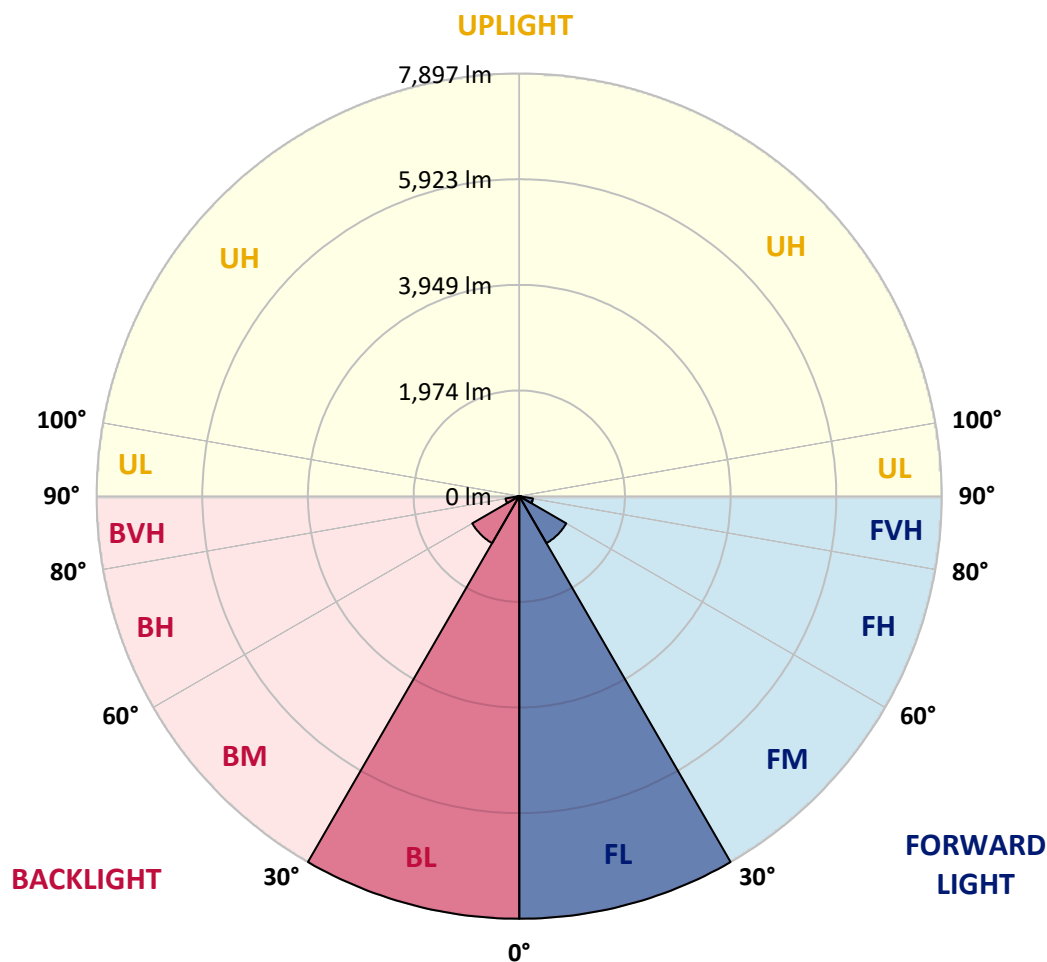
CATALOG NUMBER: IFLD-S-SA3E-935-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7897.3	42.9			
FM	(30°-60°)	1015.2	5.5			
FH	(60°-80°)	260.8	1.4			G0/660
FVH	(80°-90°)	32.9	0.2			G1/100
BL	(0°-30°)	7897.3	42.9	B5		
BM	(30°-60°)	1015.2	5.5	B2/2500		
BH	(60°-80°)	260.8	1.4	B1/500		G0/660
BVH	(80°-90°)	32.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



REPORT NUMBER: P525513

CATALOG NUMBER: IFLD-S-SA3E-935-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	55186.8
1°	54899.6
2°	54161.3
3°	52937.0
4°	51178.5
5°	48910.0
6°	46131.3
7°	43025.1
8°	39653.1
9°	36259.6
10°	33013.8
11°	30092.9
12°	27534.3
13°	25432.2
14°	23757.0
15°	22438.8
17.5°	19998.4
20°	17727.1
22.5°	15066.6
25°	11976.5
27.5°	8454.1
30°	4593.5
32.5°	2641.8
35°	1763.9
37.5°	1202.7
40°	856.4
42.5°	663.1
45°	518.1
47.5°	424.2
50°	389.3
52.5°	370.5
55°	362.4
57.5°	375.9
60°	397.3
62.5°	389.3
65°	346.3
67.5°	298.0
70°	252.4
72.5°	209.4
75°	171.8
77.5°	139.6
80°	112.8
82.5°	91.3
85°	69.8
87.5°	24.2



REPORT NUMBER: P525513
CATALOG NUMBER: IFLD-S-SA3E-935-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)