

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: P525530

Luminaire Tested: **IFLD-M-SA4B-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525530
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15590.6 lumens
Efficiency: N/A
Efficacy: 93.9 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): 166.1
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

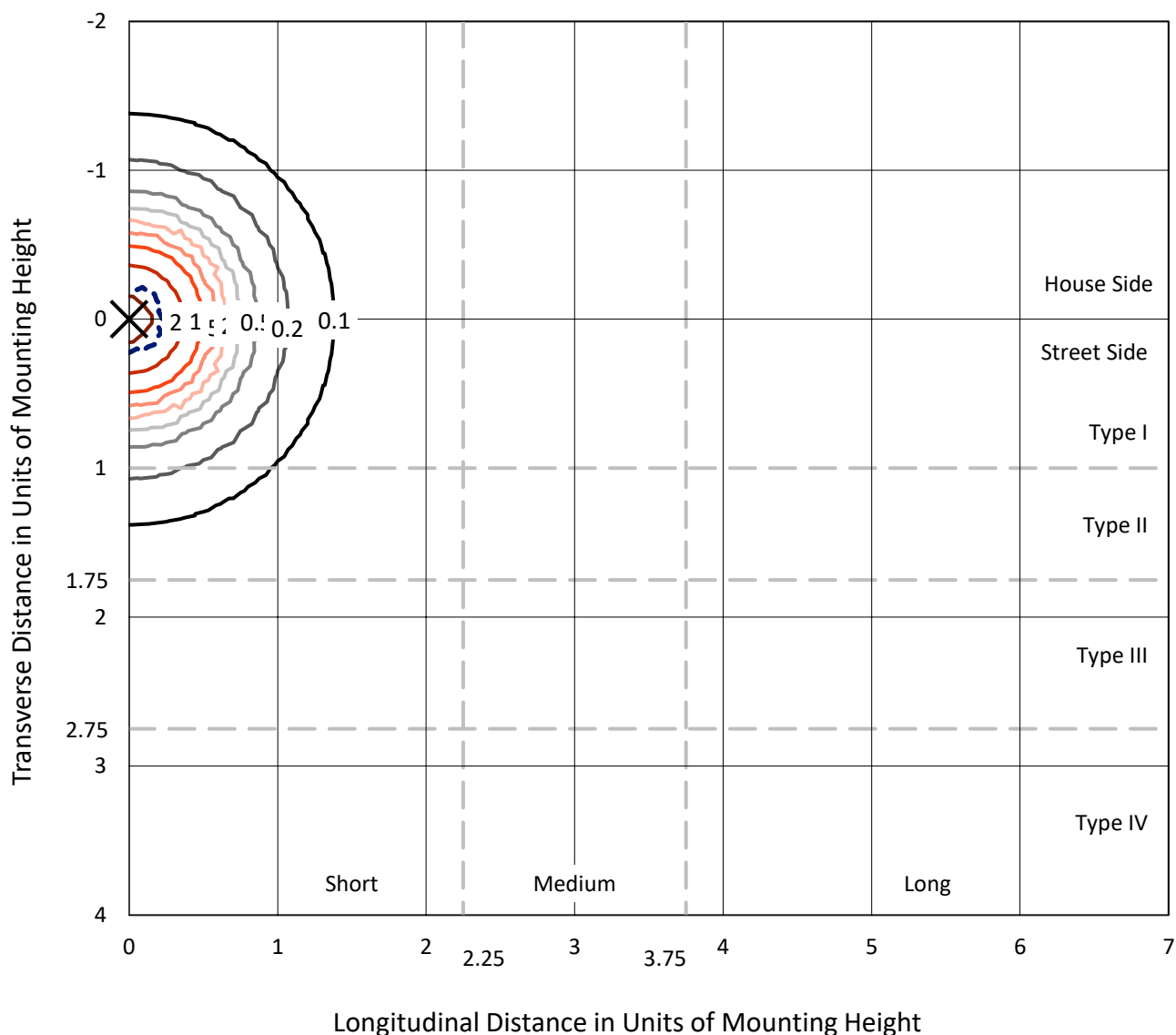
REPORT NUMBER: P525530

CATALOG NUMBER: IFLD-M-SA4B-935-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

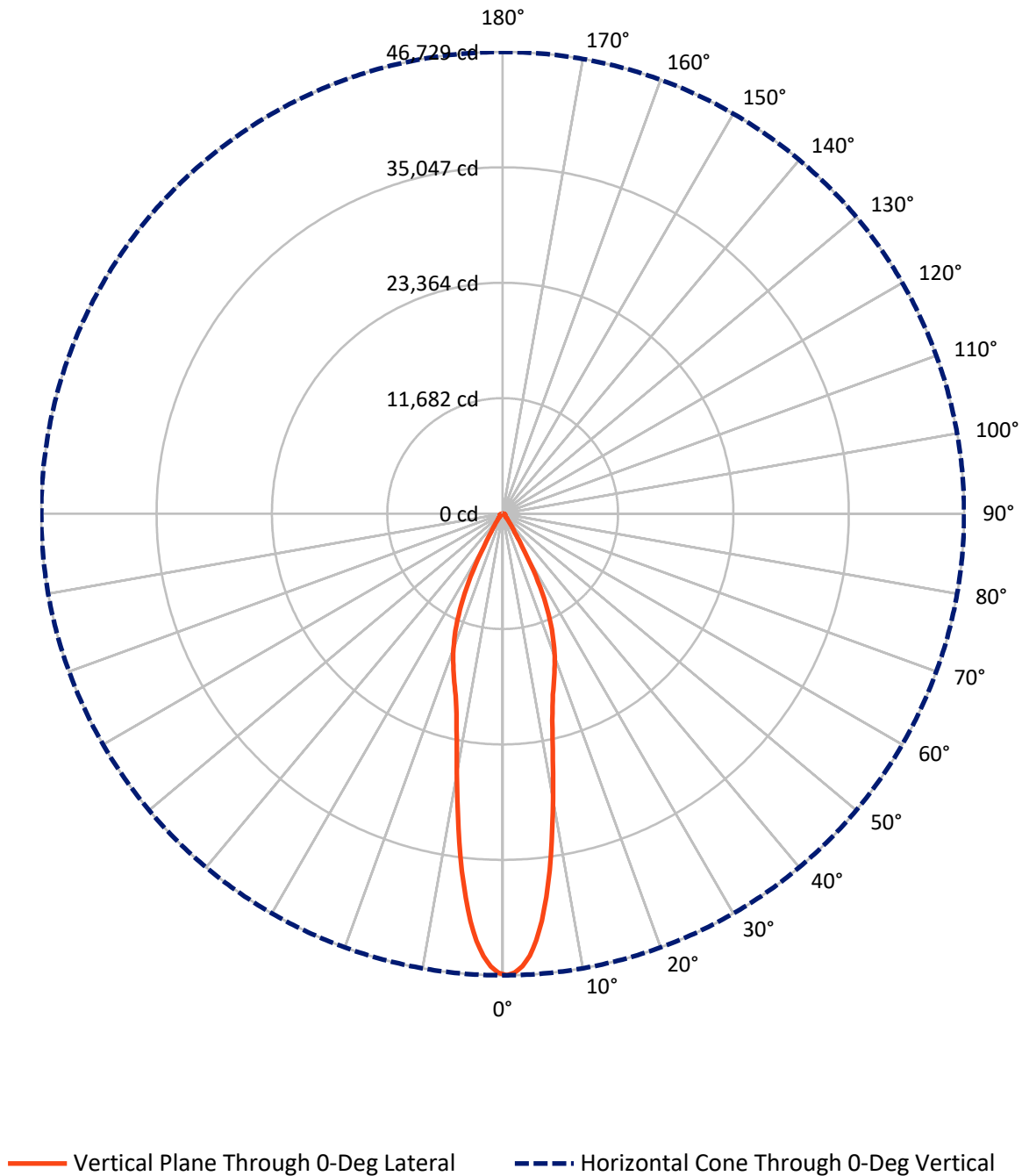


Based on 25 foot mounting height. Maximum calculated value = 74.8 fc

Type V - Short - N/A

REPORT NUMBER: P525530
CATALOG NUMBER: IFLD-M-SA4B-935-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525530

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7795.3	0.0	7795.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7795.3	0.0	7795.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	15590.6	0.0	15590.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3498.0	22.4
10°-20°	5455.3	35.0
20°-30°	4420.6	28.4
30°-40°	1072.9	6.9
40°-50°	361.1	2.3
50°-60°	285.3	1.8
60°-70°	284.6	1.8
70°-80°	157.1	1.0
80°-90°	55.7	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°	15590.6	100.0
0°-180°	15590.6	100.0

Coefficient of Utilization



REPORT NUMBER: P525530

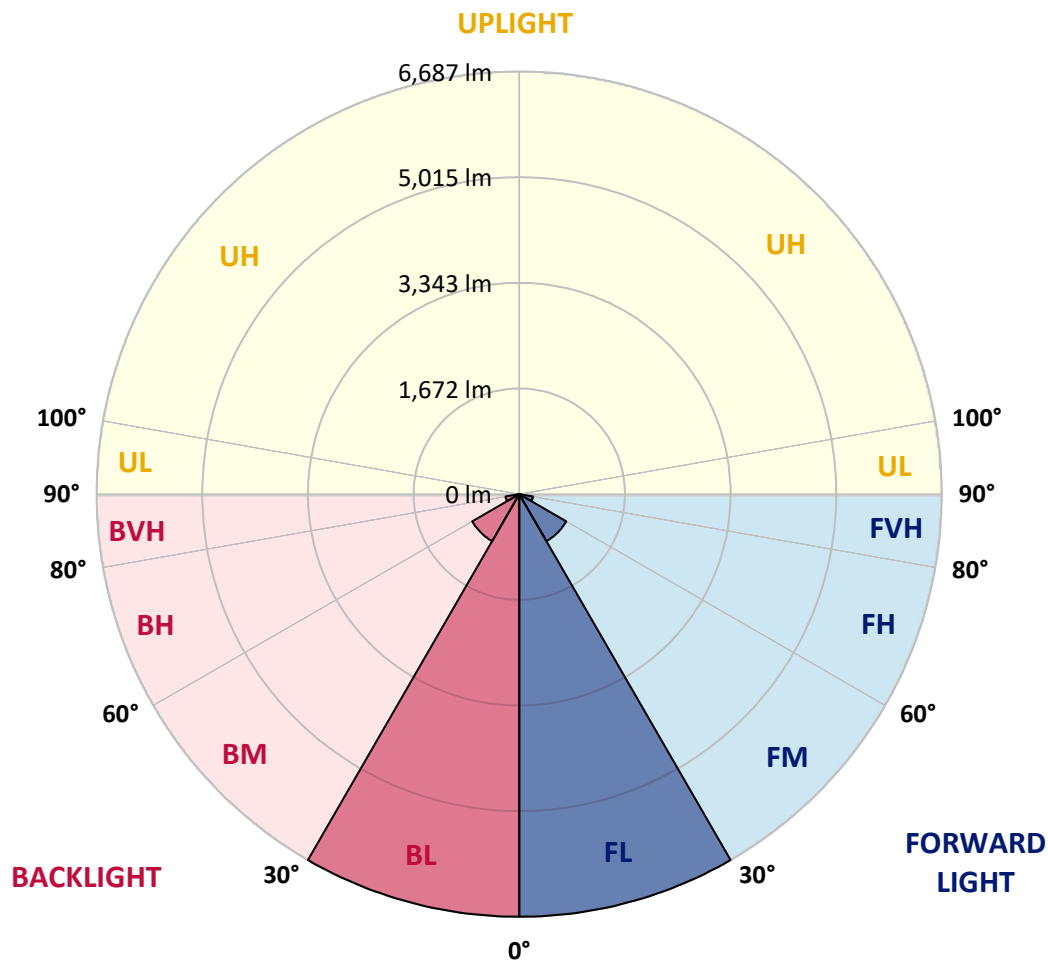
CATALOG NUMBER: IFLD-M-SA4B-935-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6687.0	42.9			
FM	(30°-60°)	859.6	5.5			
FH	(60°-80°)	220.8	1.4			G0/660
FVH	(80°-90°)	27.8	0.2			G1/100
BL	(0°-30°)	6687.0	42.9	B5		
BM	(30°-60°)	859.6	5.5	B1/1000		
BH	(60°-80°)	220.8	1.4	B1/500		G0/660
BVH	(80°-90°)	27.8	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: P525530
CATALOG NUMBER: IFLD-M-SA4B-935-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	46728.9
1°	46485.7
2°	45860.6
3°	44824.0
4°	43335.0
5°	41414.1
6°	39061.3
7°	36431.1
8°	33575.9
9°	30702.5
10°	27954.2
11°	25480.9
12°	23314.5
13°	21534.5
14°	20116.0
15°	18999.8
17.5°	16933.4
20°	15010.3
22.5°	12757.5
25°	10141.0
27.5°	7158.5
30°	3889.5
32.5°	2236.9
35°	1493.5
37.5°	1018.4
40°	725.2
42.5°	561.5
45°	438.7
47.5°	359.2
50°	329.6
52.5°	313.7
55°	306.9
57.5°	318.3
60°	336.4
62.5°	329.6
65°	293.2
67.5°	252.3
70°	213.7
72.5°	177.3
75°	145.5
77.5°	118.2
80°	95.5
82.5°	77.3
85°	59.1
87.5°	20.5

REPORT NUMBER: P525530
CATALOG NUMBER: IFLD-M-SA4B-935-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)