

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: P525531

Luminaire Tested: **IFLD-M-SA4C-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525531
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-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: 19408 lumens
Efficiency: N/A
Efficacy: 89.0 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): 218.1
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

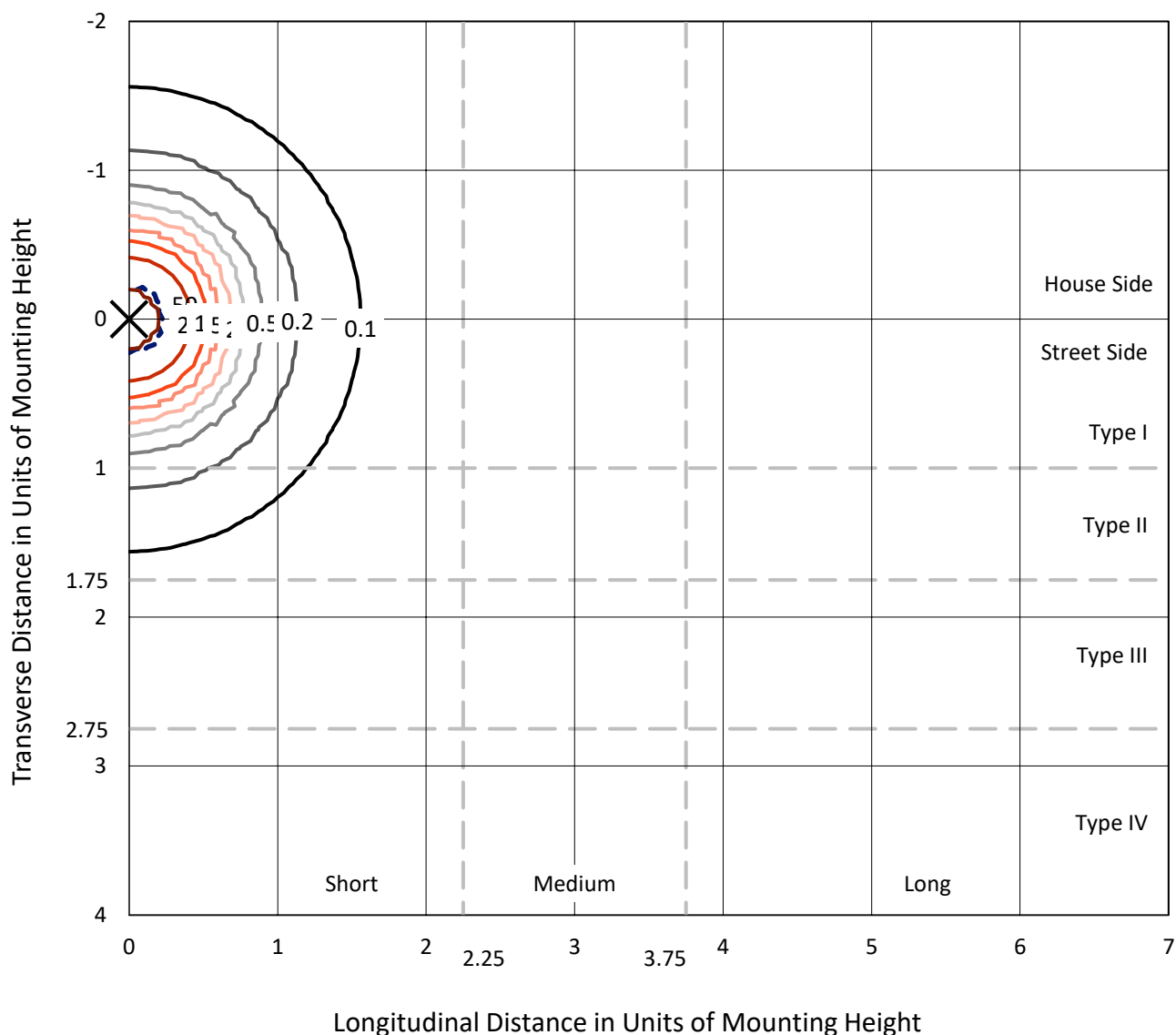
REPORT NUMBER: P525531

CATALOG NUMBER: IFLD-M-SA4C-935-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

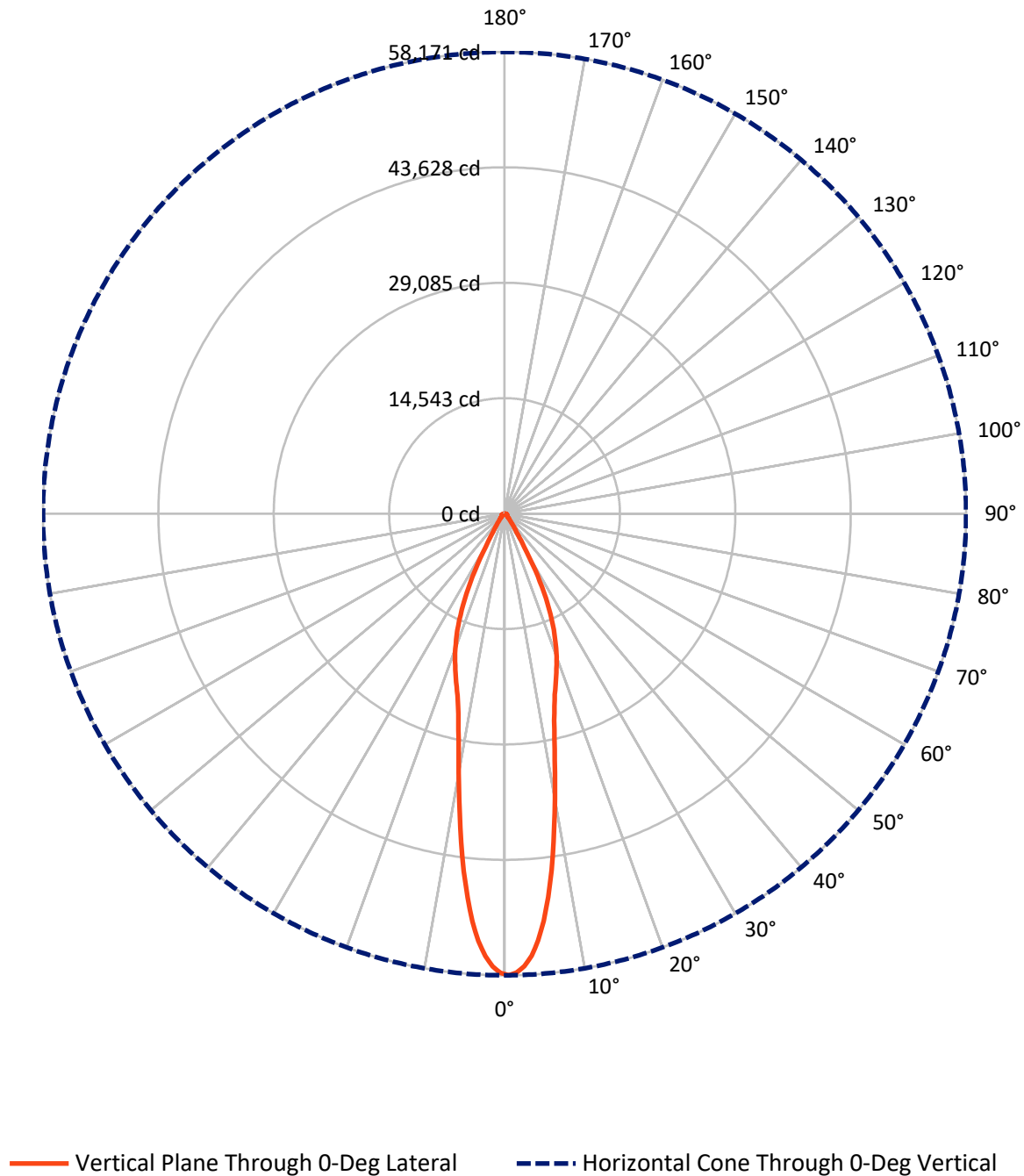


Based on 25 foot mounting height. Maximum calculated value = 93.1 fc

Type V - Short - N/A

REPORT NUMBER: P525531
CATALOG NUMBER: IFLD-M-SA4C-935-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525531

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9704.0	0.0	9704.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9704.0	0.0	9704.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19408.0	0.0	19408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4354.5	22.4
10°-20°	6791.1	35.0
20°-30°	5503.0	28.4
30°-40°	1335.6	6.9
40°-50°	449.5	2.3
50°-60°	355.2	1.8
60°-70°	354.3	1.8
70°-80°	195.5	1.0
80°-90°	69.3	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°	19408.0	100.0
0°-180°	19408.0	100.0

Coefficient of Utilization



REPORT NUMBER: P525531

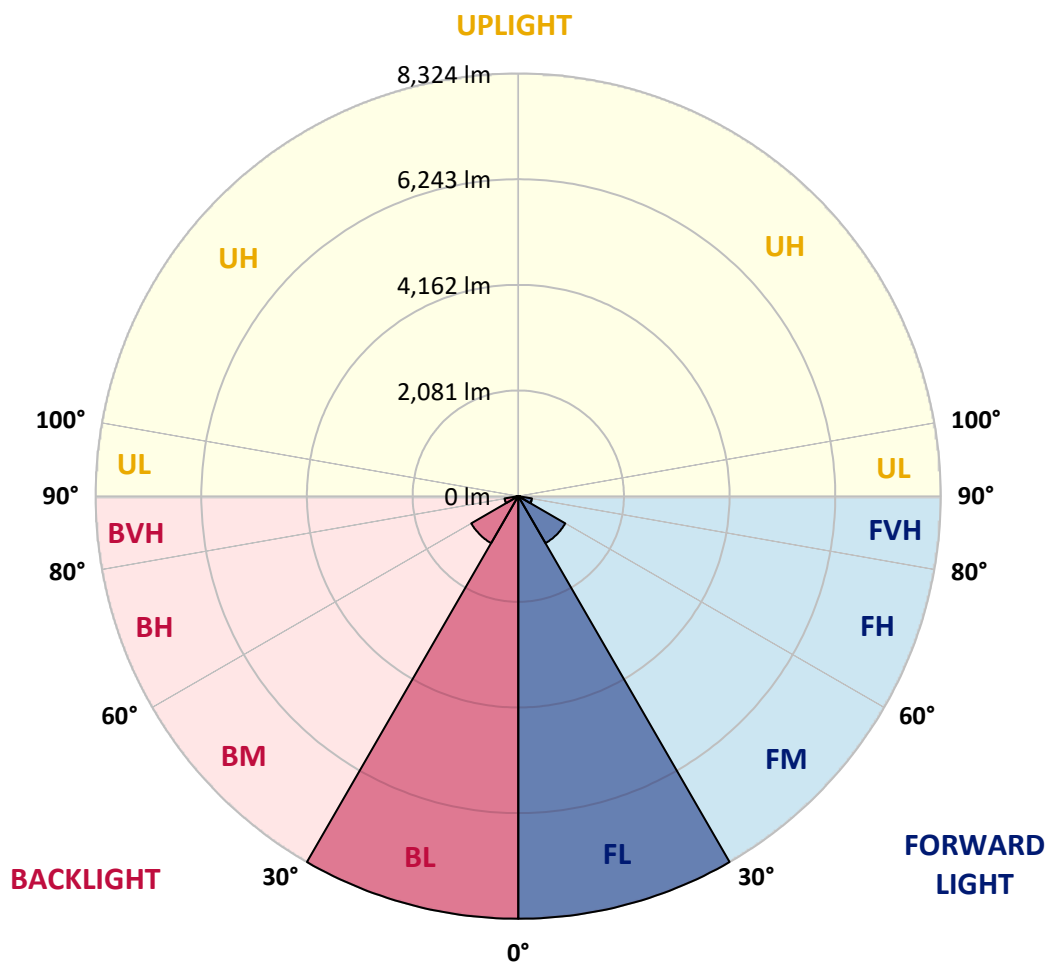
CATALOG NUMBER: IFLD-M-SA4C-935-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8324.3	42.9			
FM	(30°-60°)	1070.1	5.5			
FH	(60°-80°)	274.9	1.4			G0/660
FVH	(80°-90°)	34.7	0.2			G1/100
BL	(0°-30°)	8324.3	42.9	B5		
BM	(30°-60°)	1070.1	5.5	B2/2500		
BH	(60°-80°)	274.9	1.4	B1/500		G0/660
BVH	(80°-90°)	34.7	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: P525531
CATALOG NUMBER: IFLD-M-SA4C-935-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	58170.5
1°	57867.7
2°	57089.5
3°	55799.1
4°	53945.6
5°	51554.3
6°	48625.4
7°	45351.3
8°	41797.0
9°	38220.0
10°	34798.7
11°	31719.9
12°	29023.0
13°	26807.2
14°	25041.4
15°	23651.9
17.5°	21079.6
20°	18685.5
22.5°	15881.2
25°	12624.0
27.5°	8911.2
30°	4841.9
32.5°	2784.6
35°	1859.2
37.5°	1267.8
40°	902.7
42.5°	699.0
45°	546.2
47.5°	447.1
50°	410.3
52.5°	390.5
55°	382.0
57.5°	396.2
60°	418.8
62.5°	410.3
65°	365.1
67.5°	314.1
70°	266.0
72.5°	220.7
75°	181.1
77.5°	147.2
80°	118.9
82.5°	96.2
85°	73.6
87.5°	25.5

REPORT NUMBER: P525531
CATALOG NUMBER: IFLD-M-SA4C-935-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)