

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: P525490

Luminaire Tested: **IFLD-M-SA4A-930-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525490
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12150.6 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

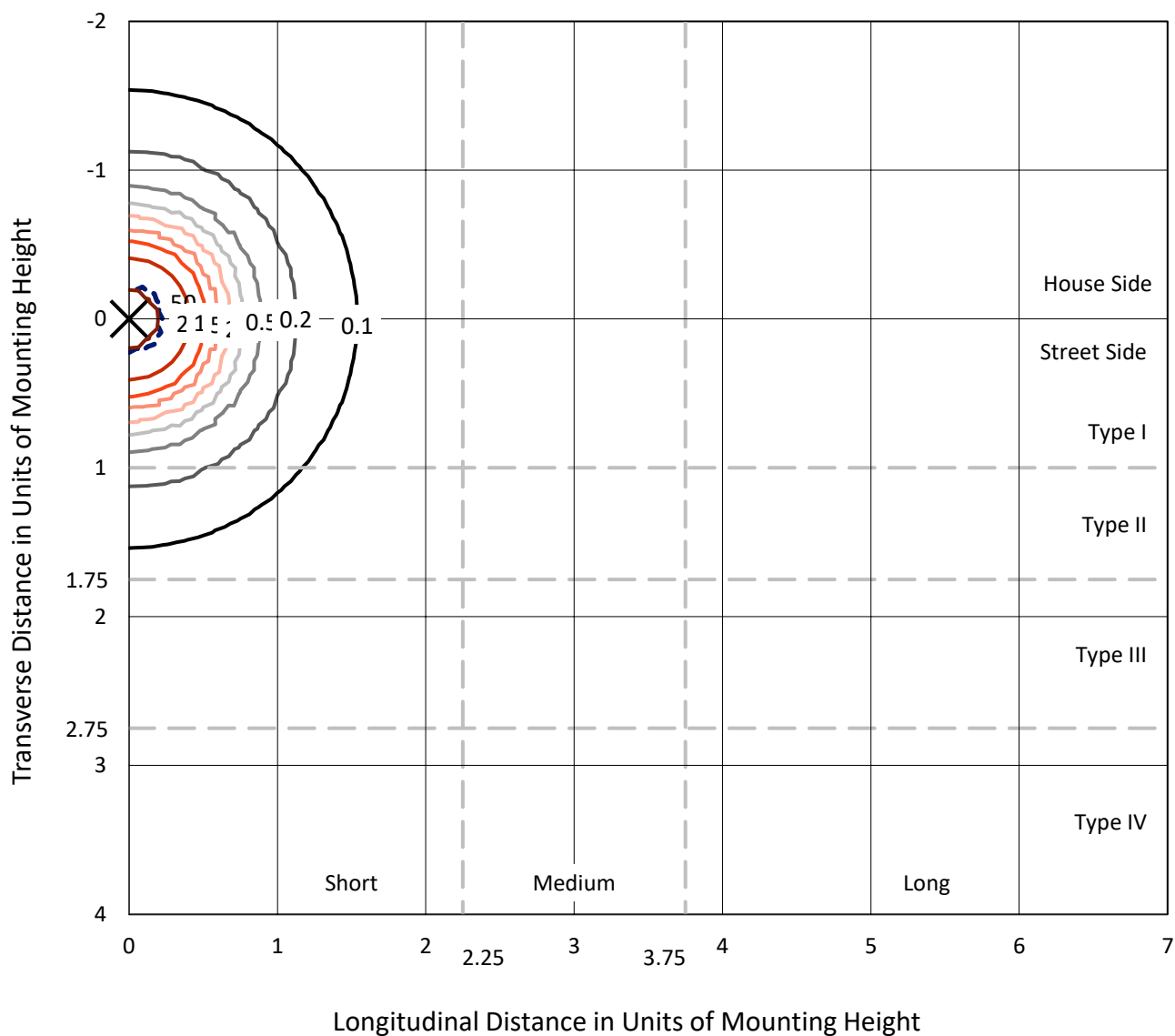
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P525490
 CATALOG NUMBER: IFLD-M-SA4A-930-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

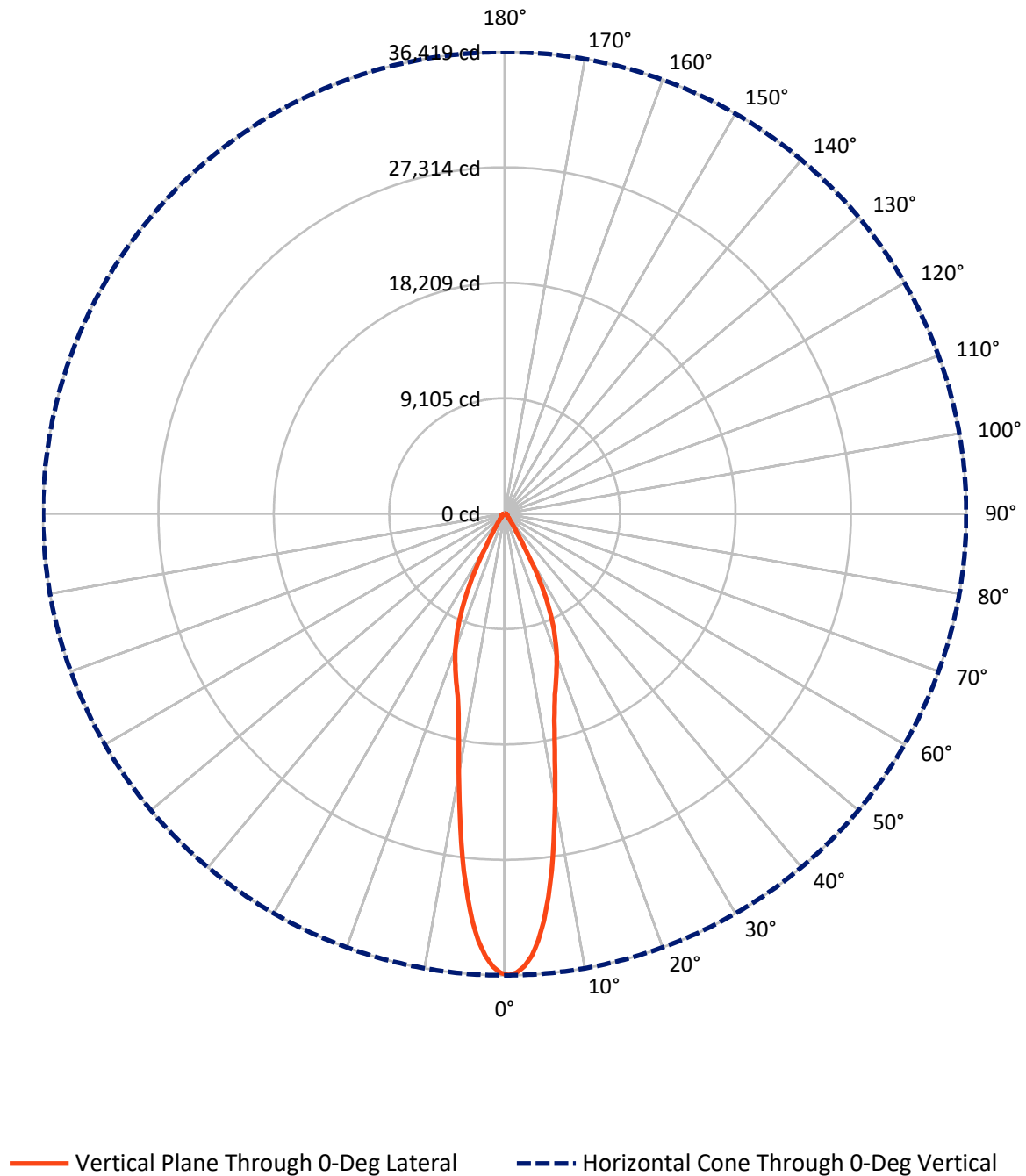
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 91 fc
 Type V - Short - N/A

REPORT NUMBER: P525490
CATALOG NUMBER: IFLD-M-SA4A-930-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525490

CATALOG NUMBER: IFLD-M-SA4A-930-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6075.3	0.0	6075.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6075.3	0.0	6075.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12150.6	0.0	12150.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2726.2	22.4
10°-20°	4251.7	35.0
20°-30°	3445.3	28.4
30°-40°	836.2	6.9
40°-50°	281.4	2.3
50°-60°	222.4	1.8
60°-70°	221.8	1.8
70°-80°	122.4	1.0
80°-90°	43.4	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°	12150.6	100.0
0°-180°	12150.6	100.0

Coefficient of Utilization



REPORT NUMBER: P525490

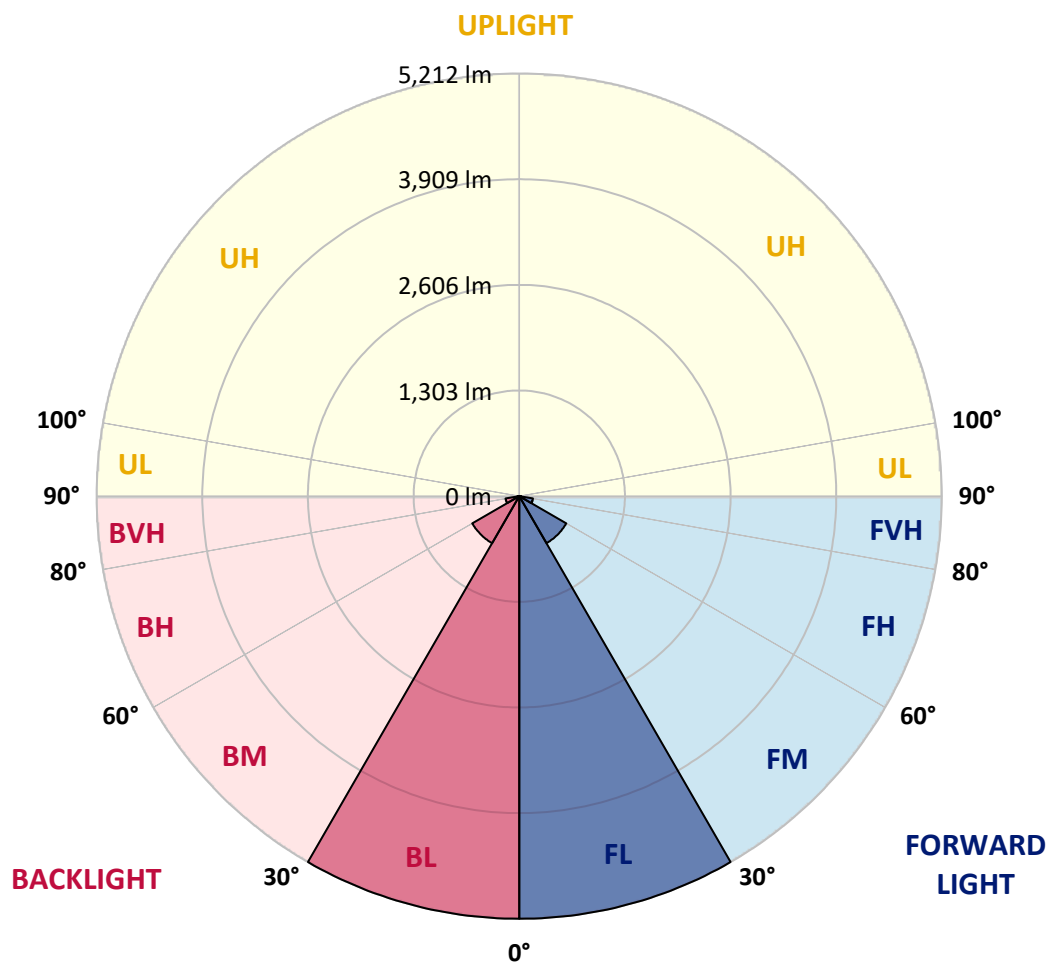
CATALOG NUMBER: IFLD-M-SA4A-930-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5211.6	42.9			
FM	(30°-60°)	670.0	5.5			
FH	(60°-80°)	172.1	1.4			G0/660
FVH	(80°-90°)	21.7	0.2			G1/100
BL	(0°-30°)	5211.6	42.9	B5		
BM	(30°-60°)	670.0	5.5	B1/1000		
BH	(60°-80°)	172.1	1.4	B1/500		G0/660
BVH	(80°-90°)	21.7	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: P525490

CATALOG NUMBER: IFLD-M-SA4A-930-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	36418.7
1°	36229.1
2°	35741.9
3°	34934.0
4°	33773.5
5°	32276.5
6°	30442.8
7°	28392.9
8°	26167.7
9°	23928.3
10°	21786.3
11°	19858.8
12°	18170.3
13°	16783.1
14°	15677.6
15°	14807.7
17.5°	13197.2
20°	11698.4
22.5°	9942.7
25°	7903.5
27.5°	5579.0
30°	3031.3
32.5°	1743.3
35°	1164.0
37.5°	793.7
40°	565.2
42.5°	437.6
45°	341.9
47.5°	279.9
50°	256.9
52.5°	244.5
55°	239.2
57.5°	248.0
60°	262.2
62.5°	256.9
65°	228.5
67.5°	196.7
70°	166.5
72.5°	138.2
75°	113.4
77.5°	92.1
80°	74.4
82.5°	60.2
85°	46.1
87.5°	15.9

REPORT NUMBER: P525490
CATALOG NUMBER: IFLD-M-SA4A-930-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)