

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: P525578

Luminaire Tested: **IFLD-L-SA8A-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525578
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25032.1 lumens
Efficiency: N/A
Efficacy: 101.0 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): 247.8
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

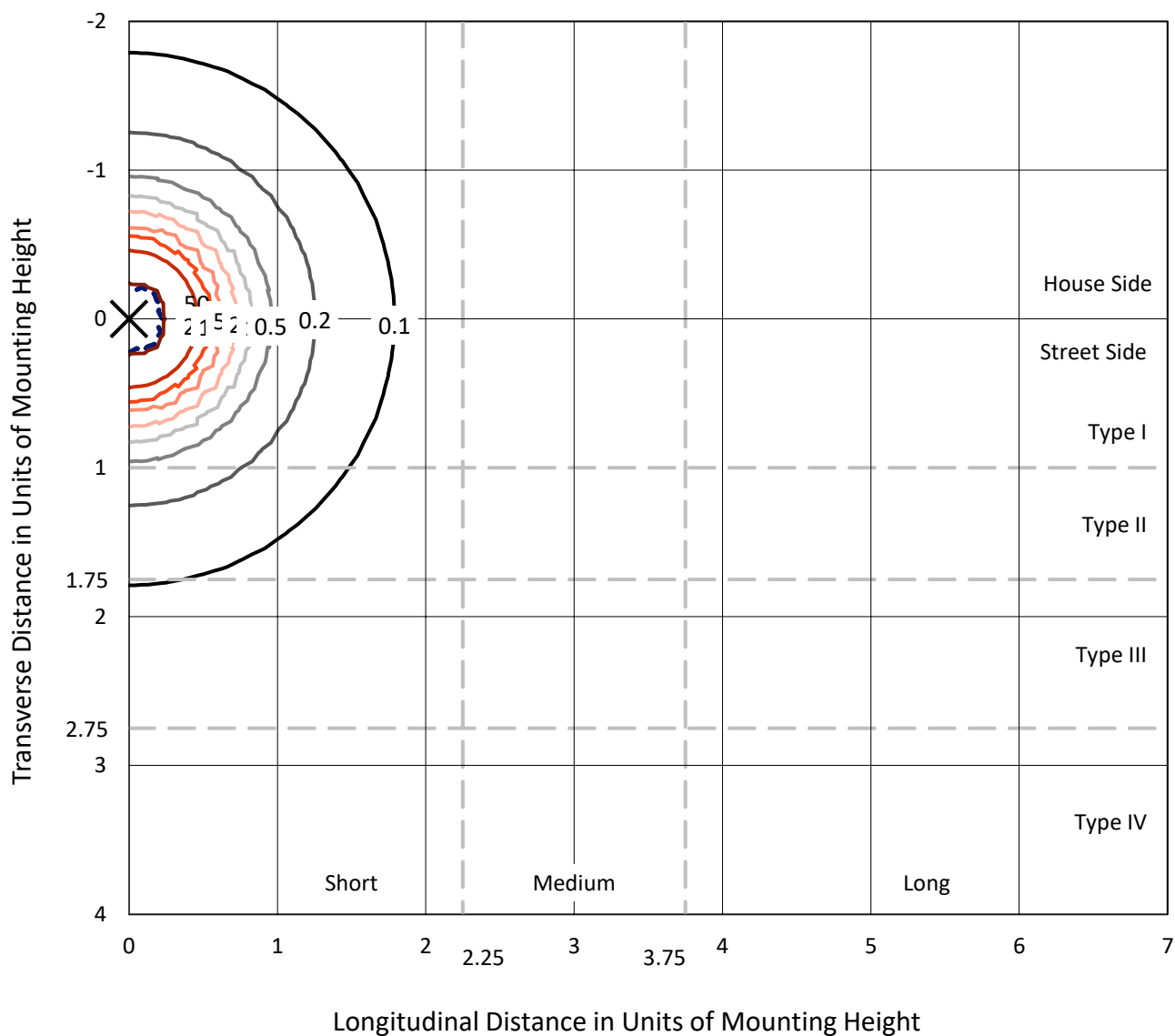
REPORT NUMBER: P525578

CATALOG NUMBER: IFLD-L-SA8A-940-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

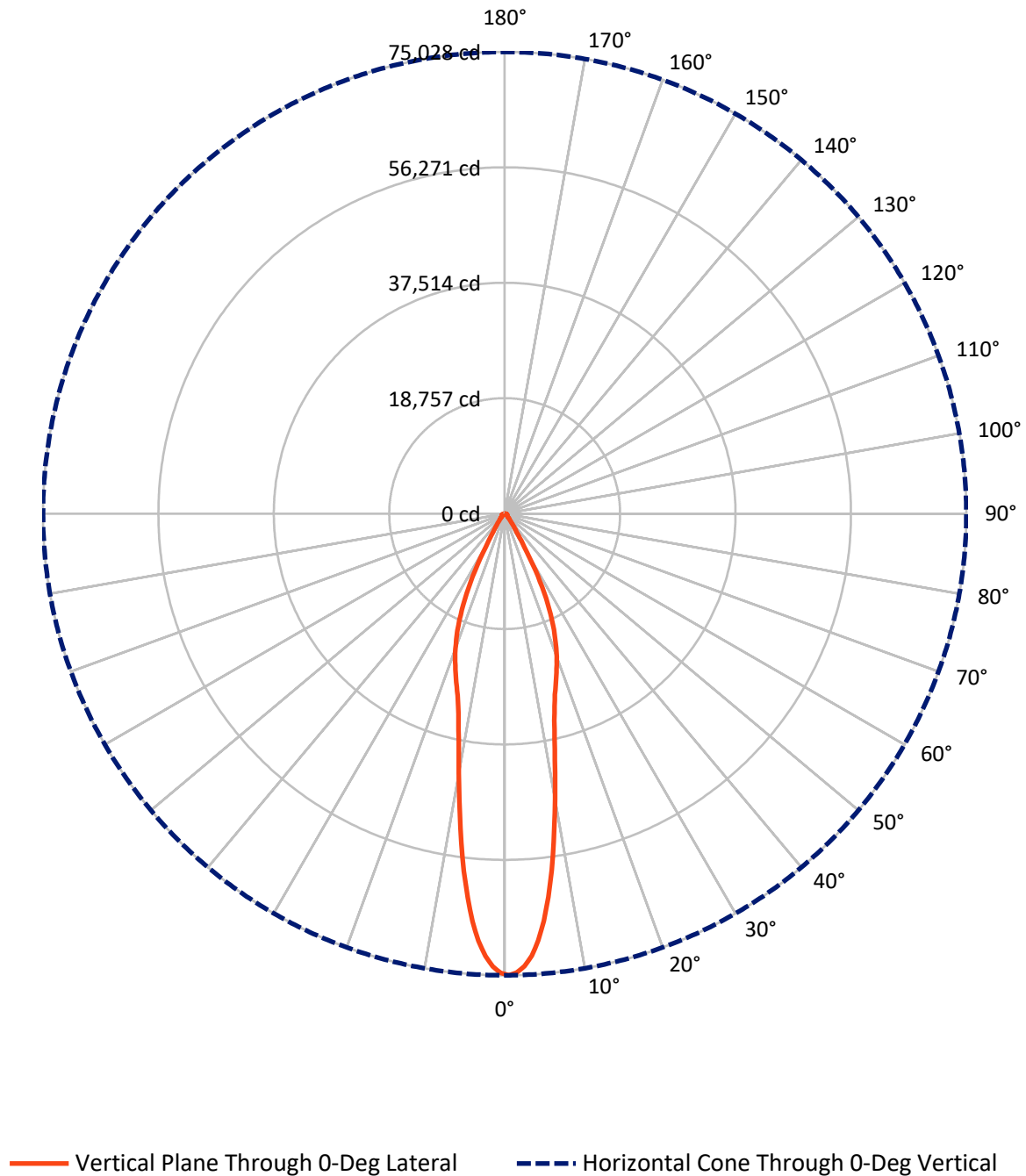


Based on 25 foot mounting height. Maximum calculated value = 120 fc

Type V - Short - N/A

REPORT NUMBER: P525578
CATALOG NUMBER: IFLD-L-SA8A-940-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525578

CATALOG NUMBER: IFLD-L-SA8A-940-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12516.1	0.0	12516.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12516.1	0.0	12516.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	25032.1	0.0	25032.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5616.4	22.4
10°-20°	8759.1	35.0
20°-30°	7097.8	28.4
30°-40°	1722.6	6.9
40°-50°	579.7	2.3
50°-60°	458.1	1.8
60°-70°	456.9	1.8
70°-80°	252.2	1.0
80°-90°	89.4	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°	25032.1	100.0
0°-180°	25032.1	100.0

Coefficient of Utilization



REPORT NUMBER: P525578

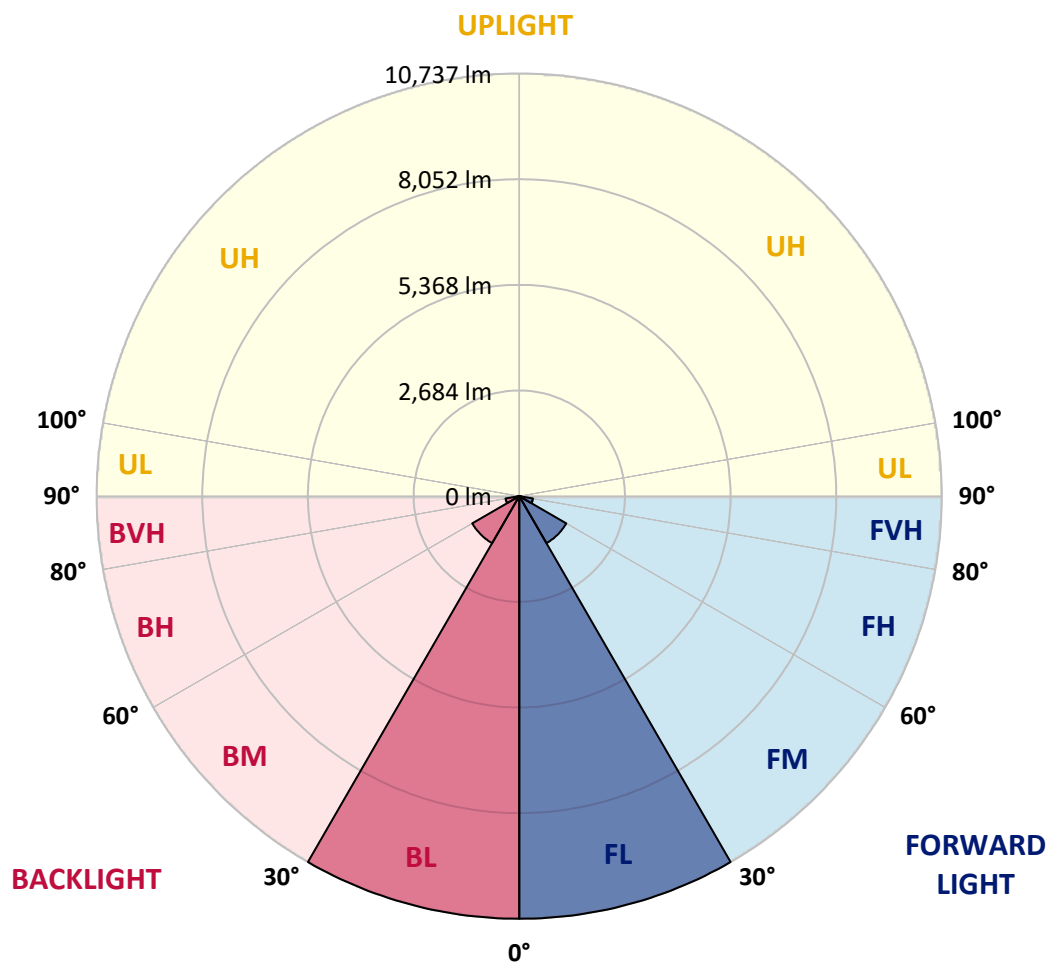
CATALOG NUMBER: IFLD-L-SA8A-940-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10736.6	42.9			
FM	(30°-60°)	1380.2	5.5			
FH	(60°-80°)	354.5	1.4			G0/660
FVH	(80°-90°)	44.7	0.2			G1/100
BL	(0°-30°)	10736.6	42.9	B5		
BM	(30°-60°)	1380.2	5.5	B2/2500		
BH	(60°-80°)	354.5	1.4	B1/500		G0/660
BVH	(80°-90°)	44.7	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: P525578

CATALOG NUMBER: IFLD-L-SA8A-940-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	75027.8
1°	74637.3
2°	73633.6
3°	71969.2
4°	69578.5
5°	66494.3
6°	62716.6
7°	58493.7
8°	53909.4
9°	49295.9
10°	44883.1
11°	40912.0
12°	37433.6
13°	34575.7
14°	32298.2
15°	30506.1
17.5°	27188.3
20°	24100.4
22.5°	20483.4
25°	16282.3
27.5°	11493.6
30°	6245.0
32.5°	3591.5
35°	2398.0
37.5°	1635.2
40°	1164.3
42.5°	901.5
45°	704.4
47.5°	576.7
50°	529.2
52.5°	503.7
55°	492.7
57.5°	511.0
60°	540.2
62.5°	529.2
65°	470.8
67.5°	405.1
70°	343.1
72.5°	284.7
75°	233.6
77.5°	189.8
80°	153.3
82.5°	124.1
85°	94.9
87.5°	32.8

REPORT NUMBER: P525578
CATALOG NUMBER: IFLD-L-SA8A-940-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)