

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: P525457

Luminaire Tested: **IFLD-L-SA7B-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525457
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23177.1 lumens
Efficiency: N/A
Efficacy: 82.5 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): 281
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

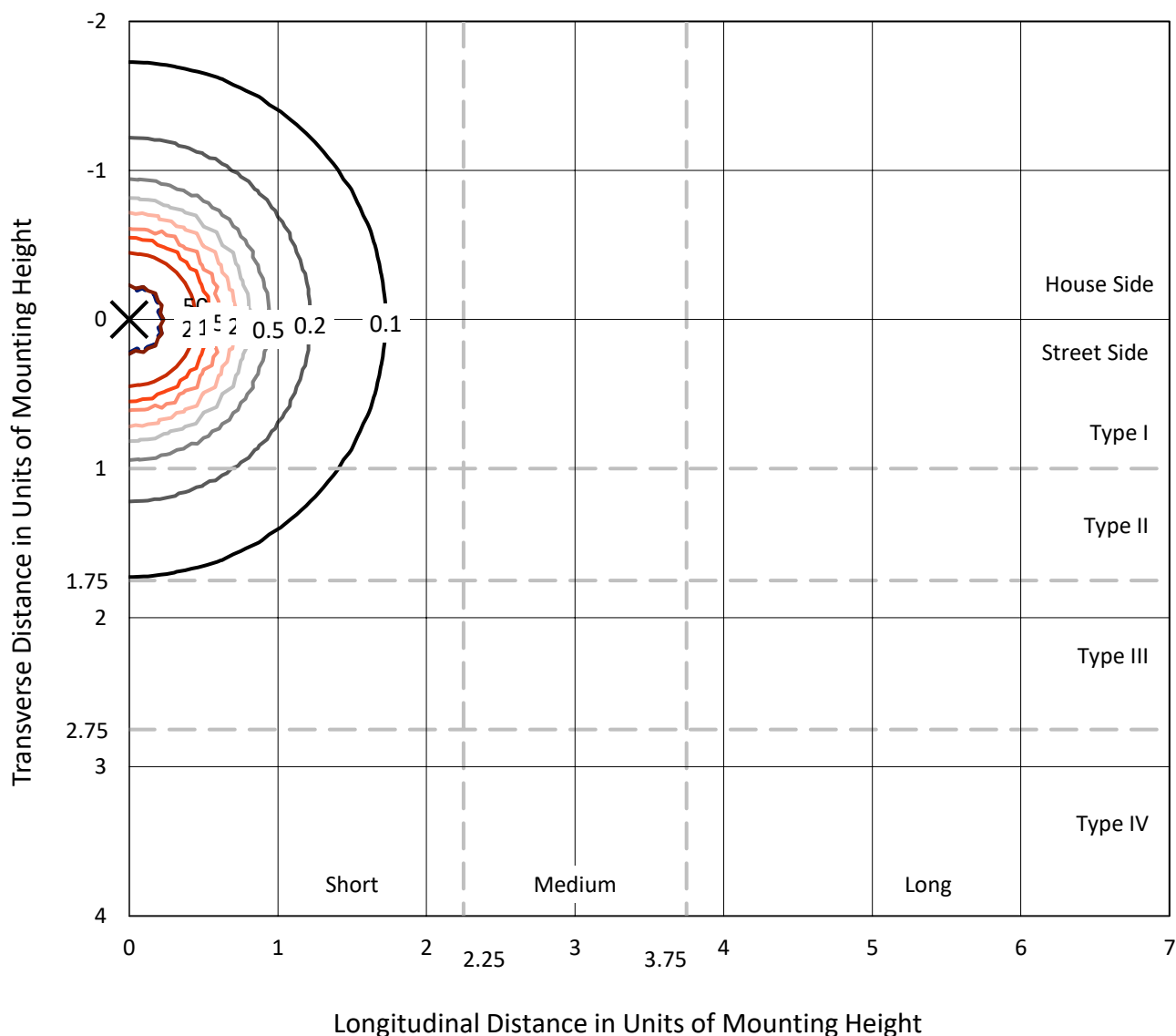
REPORT NUMBER: P525457

CATALOG NUMBER: IFLD-L-SA7B-927-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

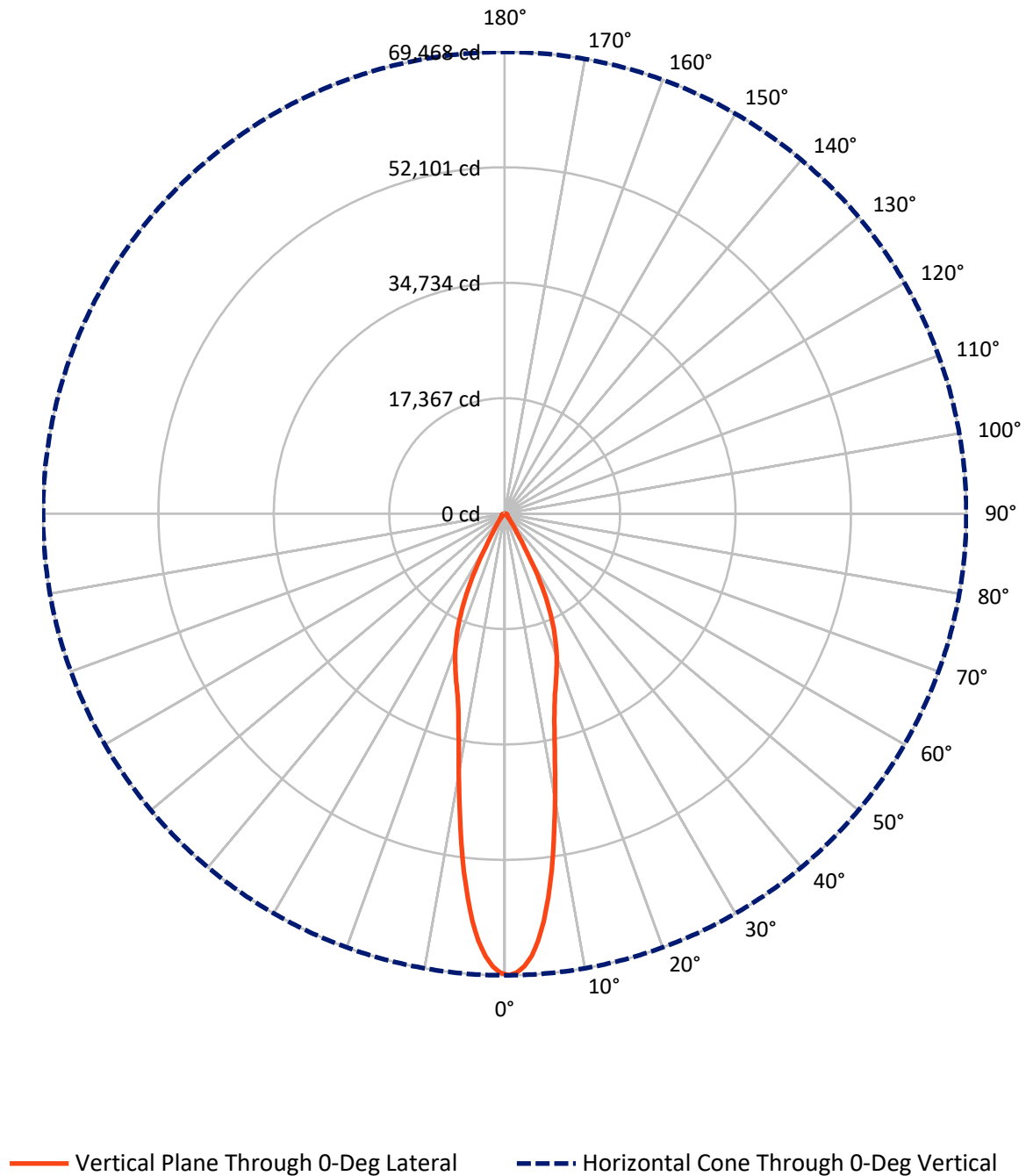


Based on 25 foot mounting height. Maximum calculated value = 111.1 fc

Type V - Short - N/A

REPORT NUMBER: P525457
CATALOG NUMBER: IFLD-L-SA7B-927-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525457

CATALOG NUMBER: IFLD-L-SA7B-927-U-44

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11588.6	0.0	11588.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11588.6	0.0	11588.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	23177.1	0.0	23177.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5200.2	22.4
10°-20°	8109.9	35.0
20°-30°	6571.8	28.4
30°-40°	1595.0	6.9
40°-50°	536.8	2.3
50°-60°	424.2	1.8
60°-70°	423.1	1.8
70°-80°	233.5	1.0
80°-90°	82.8	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°	23177.1	100.0
0°-180°	23177.1	100.0

Coefficient of Utilization



REPORT NUMBER: P525457

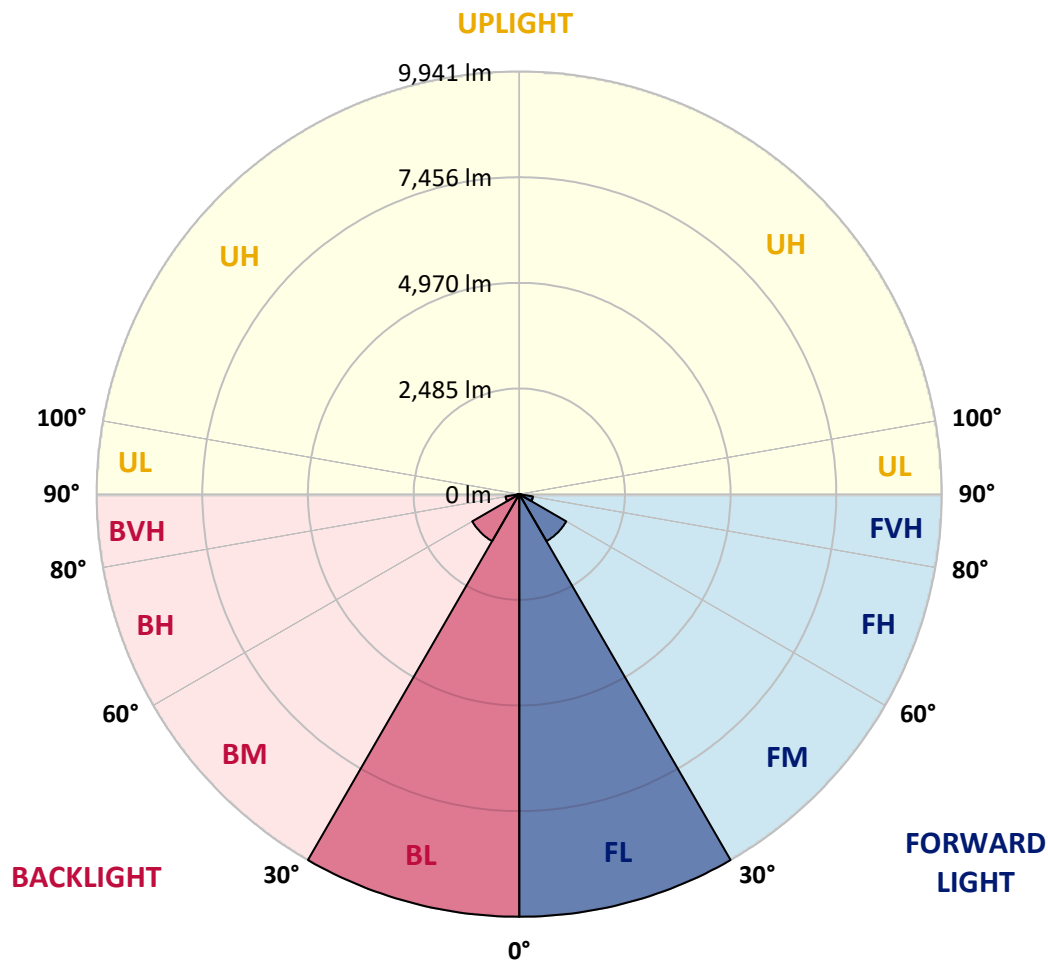
CATALOG NUMBER: IFLD-L-SA7B-927-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9940.9	42.9			
FM	(30°-60°)	1278.0	5.5			
FH	(60°-80°)	328.3	1.4			G0/660
FVH	(80°-90°)	41.4	0.2			G1/100
BL	(0°-30°)	9940.9	42.9	B5		
BM	(30°-60°)	1278.0	5.5	B2/2500		
BH	(60°-80°)	328.3	1.4	B1/500		G0/660
BVH	(80°-90°)	41.4	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: P525457

CATALOG NUMBER: IFLD-L-SA7B-927-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	69467.8
1°	69106.2
2°	68176.8
3°	66635.8
4°	64422.3
5°	61566.6
6°	58068.9
7°	54158.9
8°	49914.3
9°	45642.7
10°	41557.0
11°	37880.1
12°	34659.5
13°	32013.4
14°	29904.7
15°	28245.4
17.5°	25173.4
20°	22314.4
22.5°	18965.4
25°	15075.7
27.5°	10641.9
30°	5782.2
32.5°	3325.4
35°	2220.3
37.5°	1514.0
40°	1078.0
42.5°	834.7
45°	652.2
47.5°	534.0
50°	490.0
52.5°	466.4
55°	456.2
57.5°	473.1
60°	500.2
62.5°	490.0
65°	435.9
67.5°	375.1
70°	317.7
72.5°	263.6
75°	216.3
77.5°	175.7
80°	141.9
82.5°	114.9
85°	87.9
87.5°	30.4

REPORT NUMBER: P525457
CATALOG NUMBER: IFLD-L-SA7B-927-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)