

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: P525450

Luminaire Tested: **IFLD-S-SA6E-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525450
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34437 lumens
Efficiency: N/A
Efficacy: 74.2 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): 464.2
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

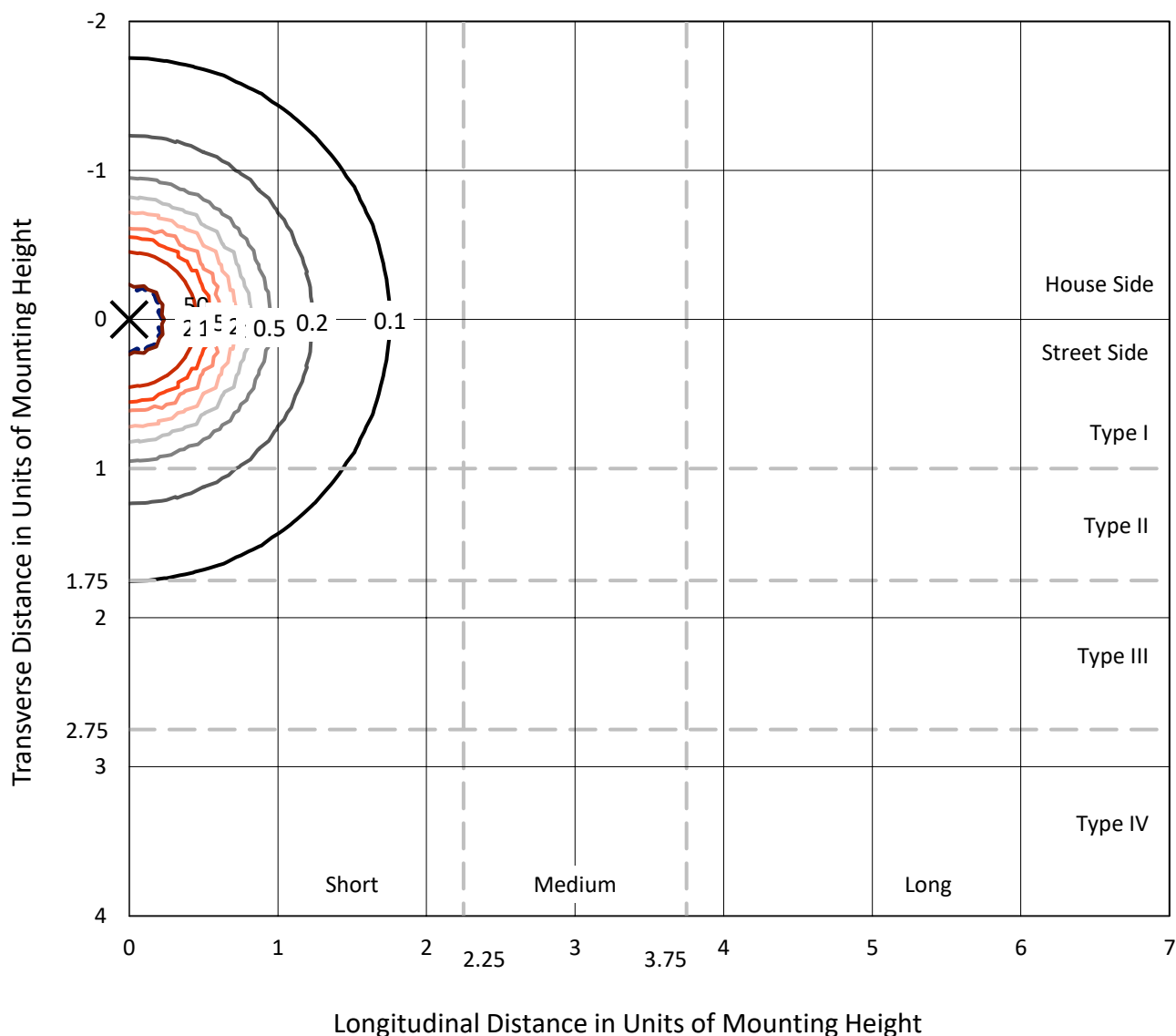
REPORT NUMBER: P525450

CATALOG NUMBER: IFLD-S-SA6E-927-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

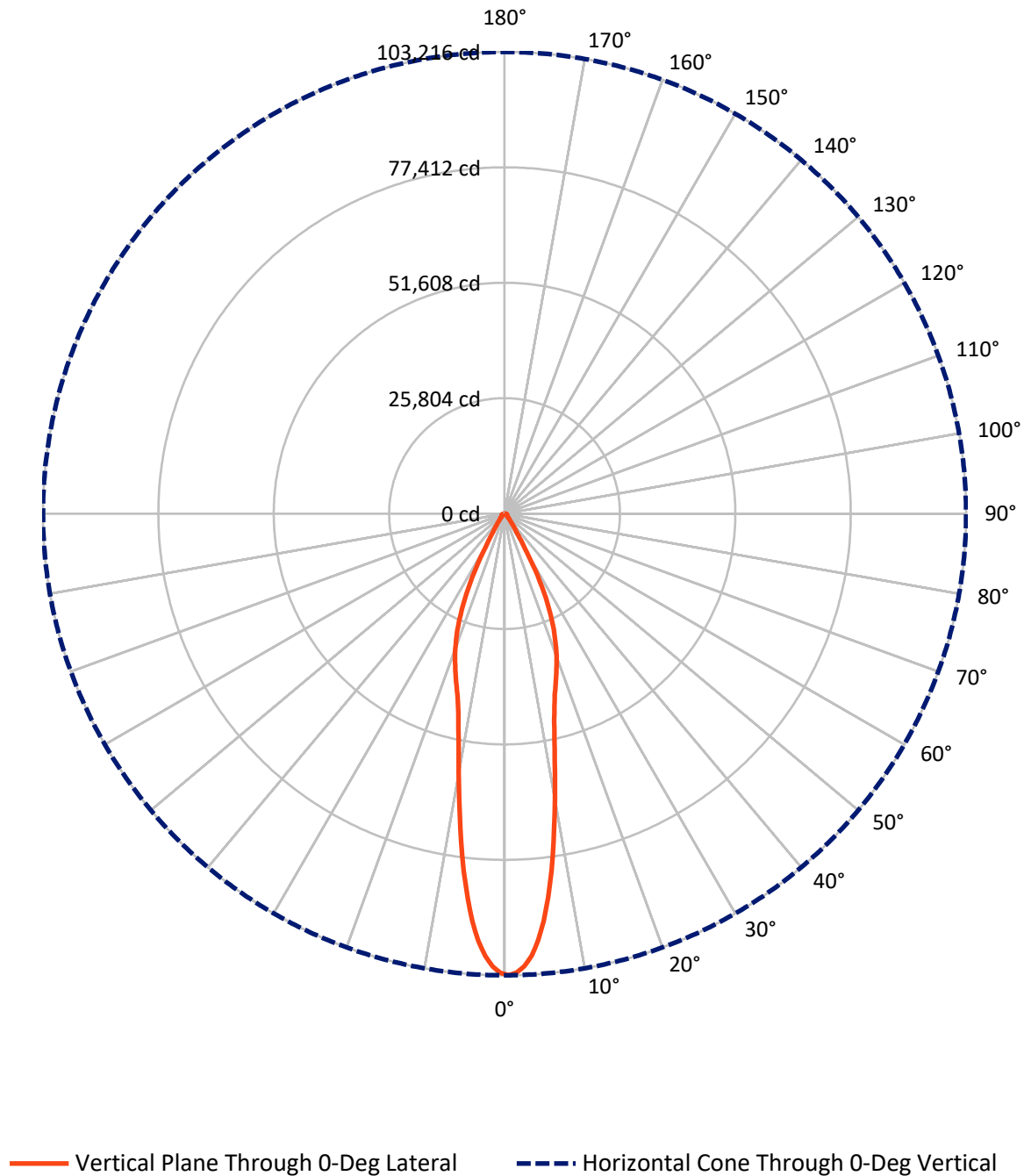


Based on 30 foot mounting height. Maximum calculated value = 114.7 fc

Type V - Short - N/A

REPORT NUMBER: P525450
CATALOG NUMBER: IFLD-S-SA6E-927-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525450

CATALOG NUMBER: IFLD-S-SA6E-927-U-44

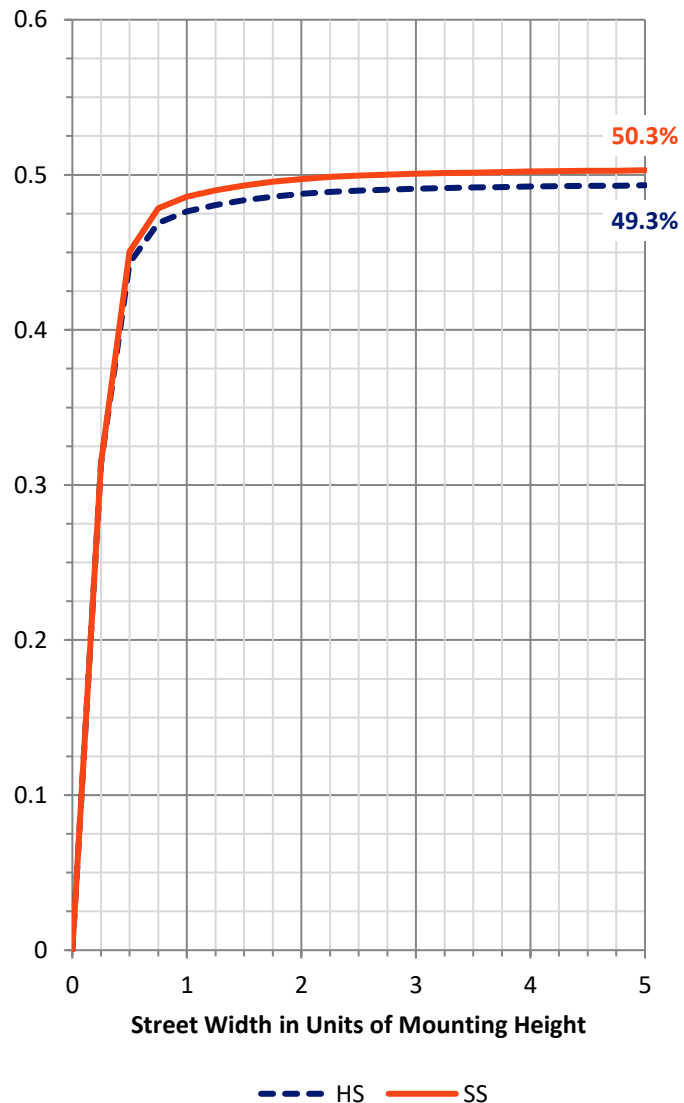
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17218.5	0.0	17218.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17218.5	0.0	17218.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34437.0	0.0	34437.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7726.5	22.4
10°-20°	12049.9	35.0
20°-30°	9764.4	28.4
30°-40°	2369.8	6.9
40°-50°	797.6	2.3
50°-60°	630.3	1.8
60°-70°	628.6	1.8
70°-80°	346.9	1.0
80°-90°	123.0	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°	34437.0	100.0
0°-180°	34437.0	100.0

Coefficient of Utilization



REPORT NUMBER: P525450

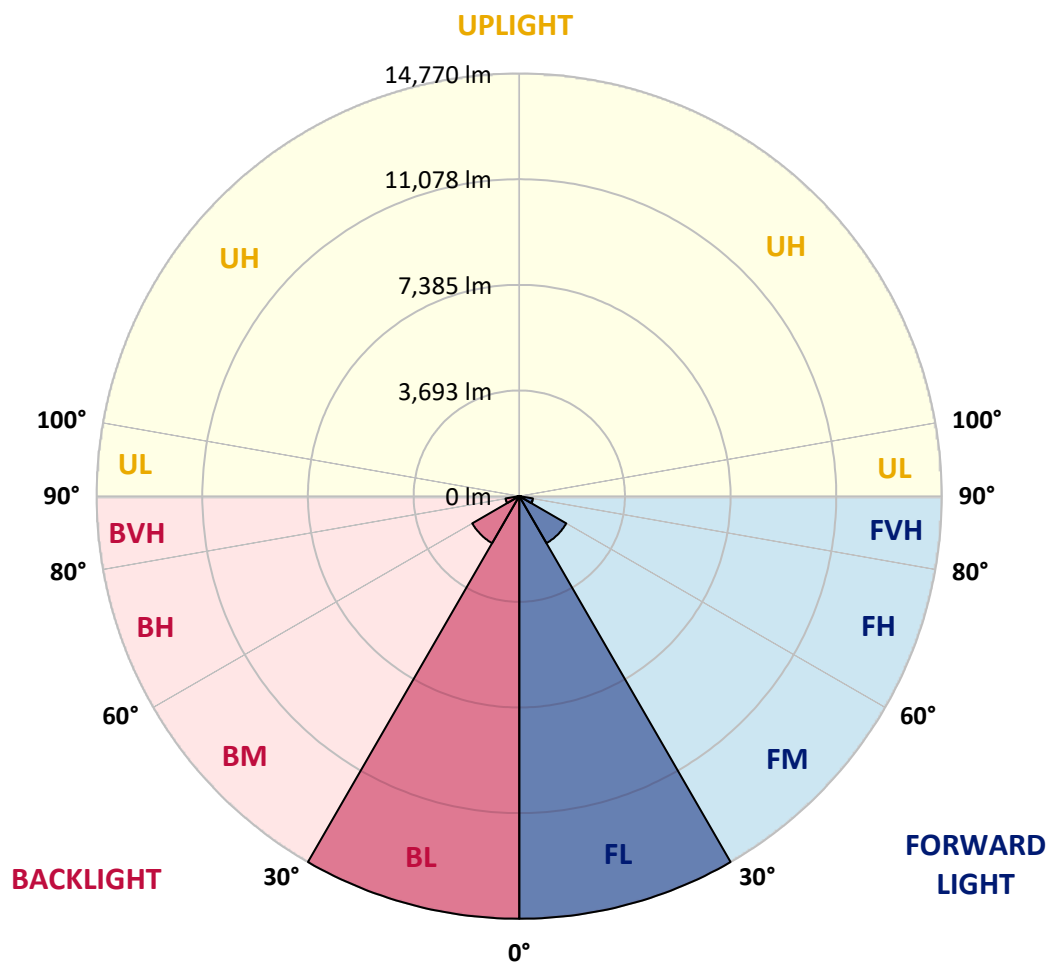
CATALOG NUMBER: IFLD-S-SA6E-927-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	14770.4	42.9			
FM	(30°-60°)	1898.8	5.5			
FH	(60°-80°)	487.8	1.4			G0/660
FVH	(80°-90°)	61.5	0.2			G1/100
BL	(0°-30°)	14770.4	42.9	B5		
BM	(30°-60°)	1898.8	5.5	B2/2500		
BH	(60°-80°)	487.8	1.4	B1/500		G0/660
BVH	(80°-90°)	61.5	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: P525450

CATALOG NUMBER: IFLD-S-SA6E-927-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	103216.3
1°	102679.0
2°	101298.1
3°	99008.5
4°	95719.6
5°	91476.6
6°	86279.7
7°	80470.1
8°	74163.5
9°	67816.6
10°	61746.0
11°	56282.9
12°	51497.7
13°	47566.0
14°	44432.8
15°	41967.4
17.5°	37403.1
20°	33155.1
22.5°	28179.1
25°	22399.7
27.5°	15811.8
30°	8591.3
32.5°	4940.9
35°	3298.9
37.5°	2249.5
40°	1601.8
42.5°	1240.2
45°	969.1
47.5°	793.4
50°	728.1
52.5°	692.9
55°	677.9
57.5°	703.0
60°	743.1
62.5°	728.1
65°	647.7
67.5°	557.4
70°	472.0
72.5°	391.7
75°	321.4
77.5°	261.1
80°	210.9
82.5°	170.7
85°	130.6
87.5°	45.2

REPORT NUMBER: P525450
CATALOG NUMBER: IFLD-S-SA6E-927-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)