

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: P525449

Luminaire Tested: **IFLD-S-SA6D-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525449
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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: 29756.7 lumens
Efficiency: N/A
Efficacy: 80.8 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): 368.2
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

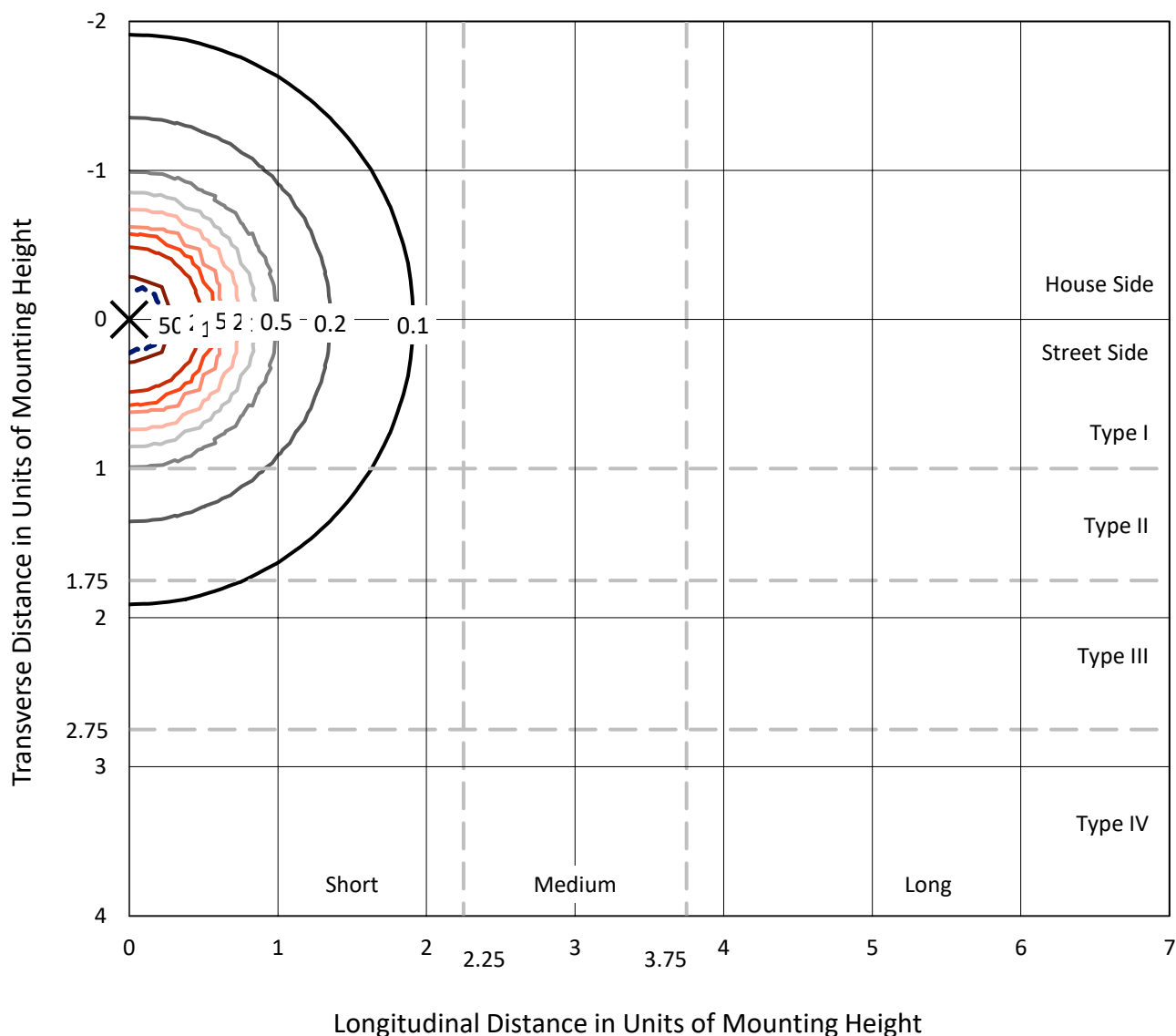
REPORT NUMBER: P525449

CATALOG NUMBER: IFLD-S-SA6D-927-U-44

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

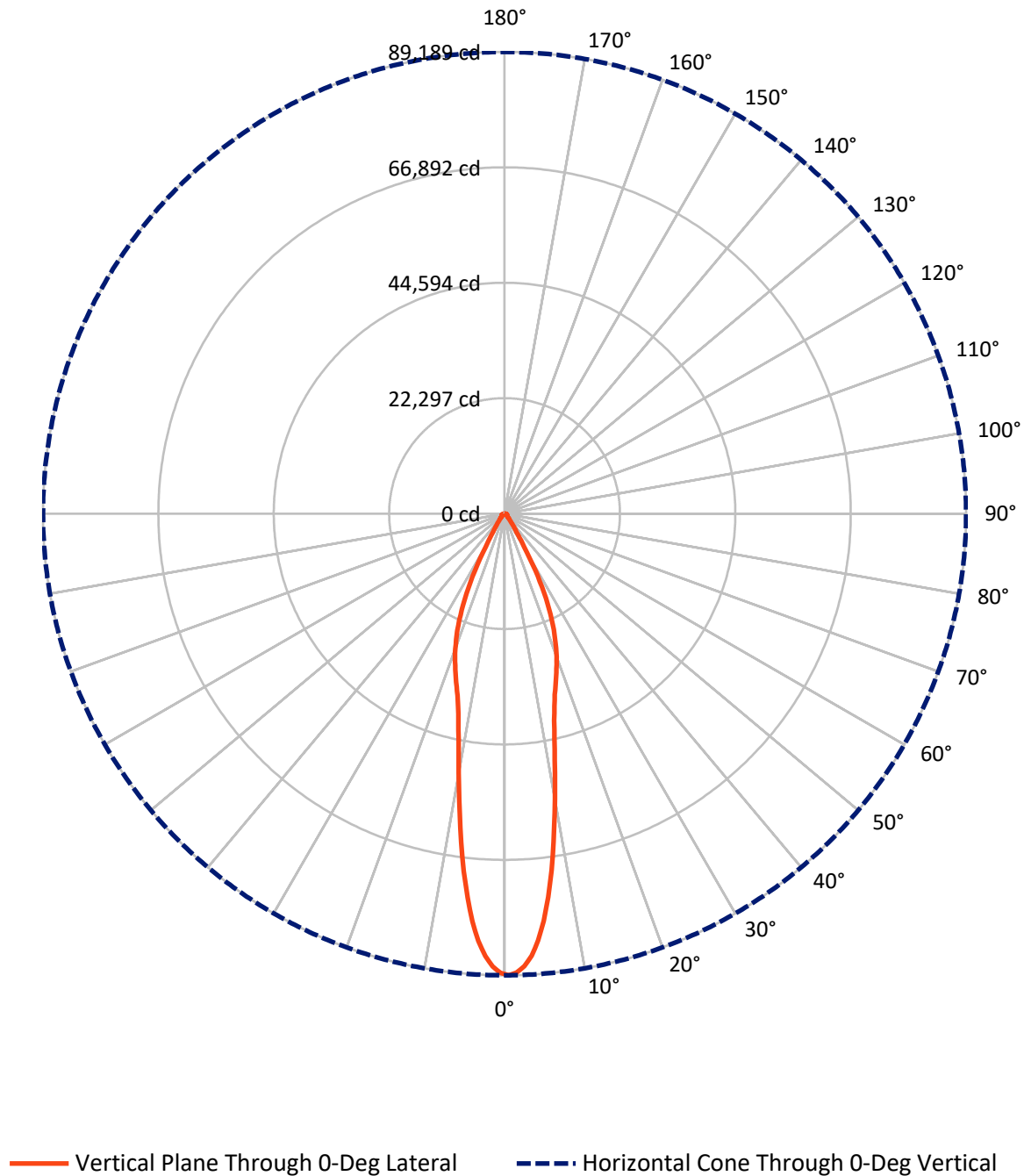


Based on 25 foot mounting height. Maximum calculated value = 142.7 fc

Type V - Short - N/A

REPORT NUMBER: P525449
CATALOG NUMBER: IFLD-S-SA6D-927-U-44

Luminous Intensity Polar Plot



REPORT NUMBER: P525449

CATALOG NUMBER: IFLD-S-SA6D-927-U-44

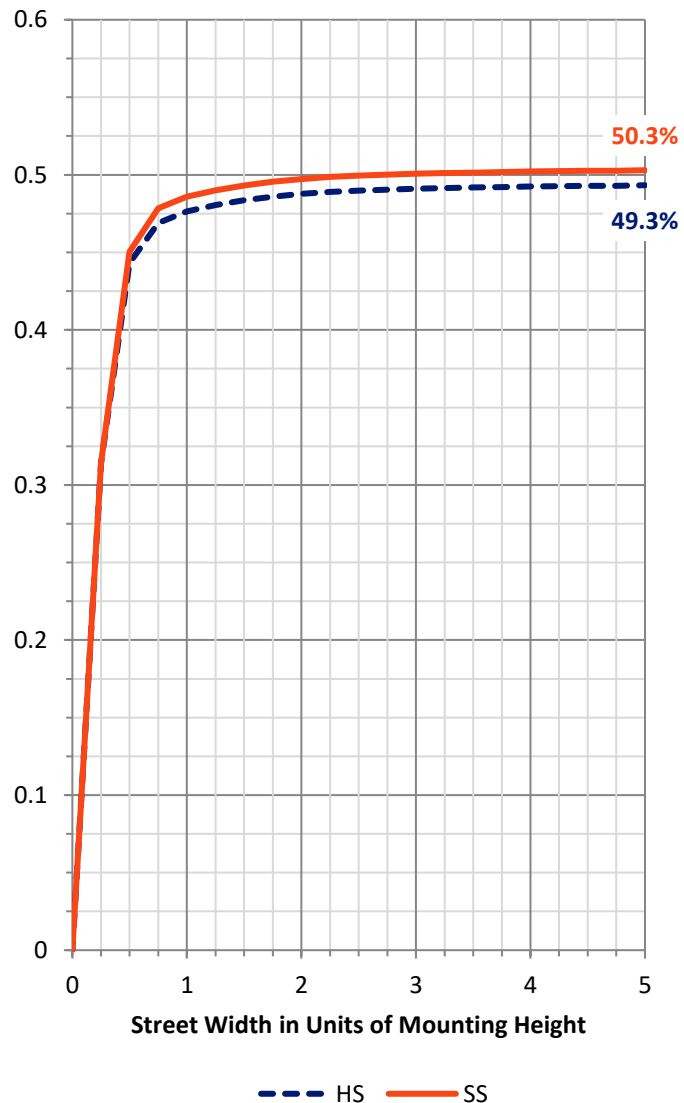
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14878.3	0.0	14878.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14878.3	0.0	14878.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	29756.7	0.0	29756.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6676.4	22.4
10°-20°	10412.2	35.0
20°-30°	8437.4	28.4
30°-40°	2047.7	6.9
40°-50°	689.2	2.3
50°-60°	544.6	1.8
60°-70°	543.2	1.8
70°-80°	299.8	1.0
80°-90°	106.2	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°	29756.7	100.0
0°-180°	29756.7	100.0

Coefficient of Utilization



REPORT NUMBER: P525449

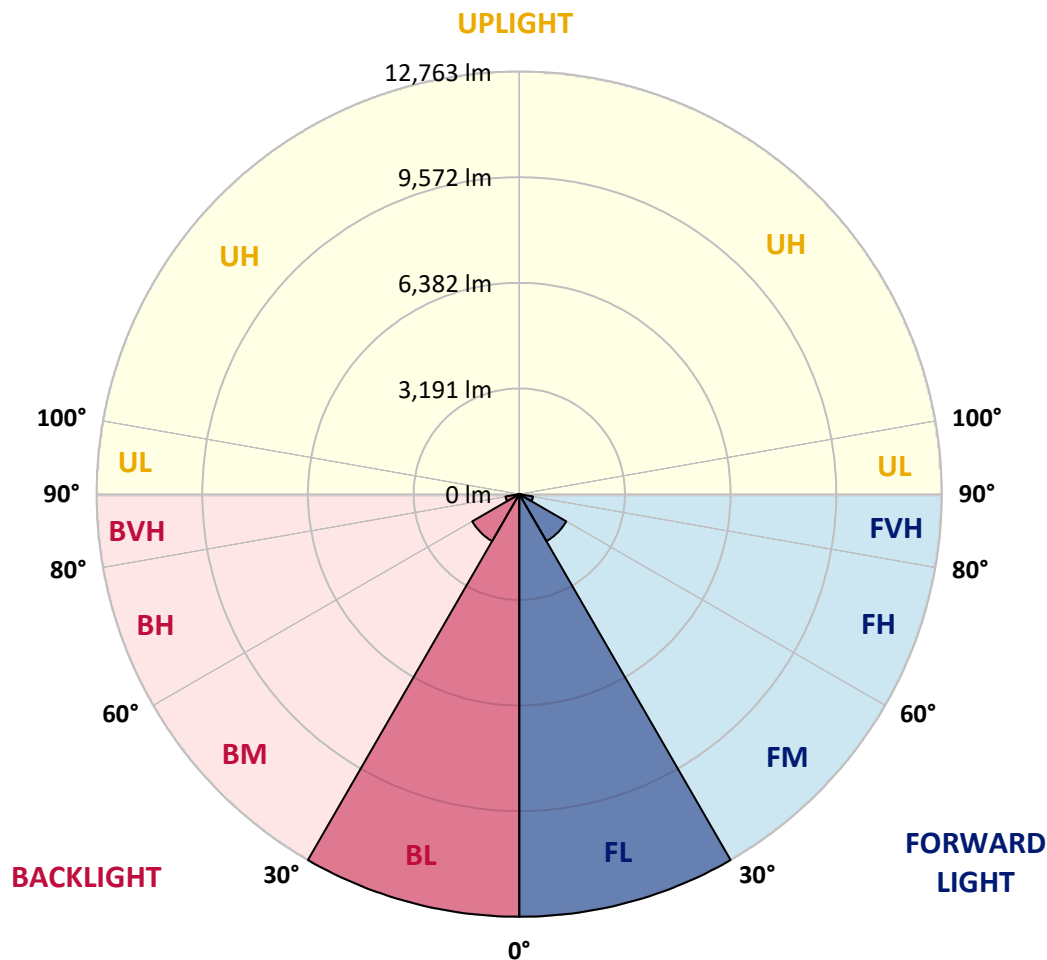
CATALOG NUMBER: IFLD-S-SA6D-927-U-44

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12763.0	42.9			
FM	(30°-60°)	1640.7	5.5			
FH	(60°-80°)	421.5	1.4			G0/660
FVH	(80°-90°)	53.1	0.2			G1/100
BL	(0°-30°)	12763.0	42.9	B5		
BM	(30°-60°)	1640.7	5.5	B2/2500		
BH	(60°-80°)	421.5	1.4	B1/500		G0/660
BVH	(80°-90°)	53.1	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: P525449

CATALOG NUMBER: IFLD-S-SA6D-927-U-44

CANDELA DISTRIBUTION (FULL):

0°	
0°	89188.7
1°	88724.4
2°	87531.2
3°	85552.7
4°	82710.8
5°	79044.5
6°	74553.8
7°	69533.8
8°	64084.3
9°	58600.0
10°	53354.4
11°	48633.8
12°	44498.9
13°	41101.6
14°	38394.2
15°	36263.8
17.5°	32319.8
20°	28649.2
22.5°	24349.4
25°	19355.4
27.5°	13662.9
30°	7423.7
32.5°	4269.4
35°	2850.6
37.5°	1943.8
40°	1384.1
42.5°	1071.7
45°	837.4
47.5°	685.5
50°	629.1
52.5°	598.8
55°	585.7
57.5°	607.4
60°	642.1
62.5°	629.1
65°	559.7
67.5°	481.6
70°	407.8
72.5°	338.4
75°	277.7
77.5°	225.6
80°	182.2
82.5°	147.5
85°	112.8
87.5°	39.0

REPORT NUMBER: P525449
CATALOG NUMBER: IFLD-S-SA6D-927-U-44

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)