

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: P525629

Luminaire Tested: **IFLD-S-SA3D-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525629
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

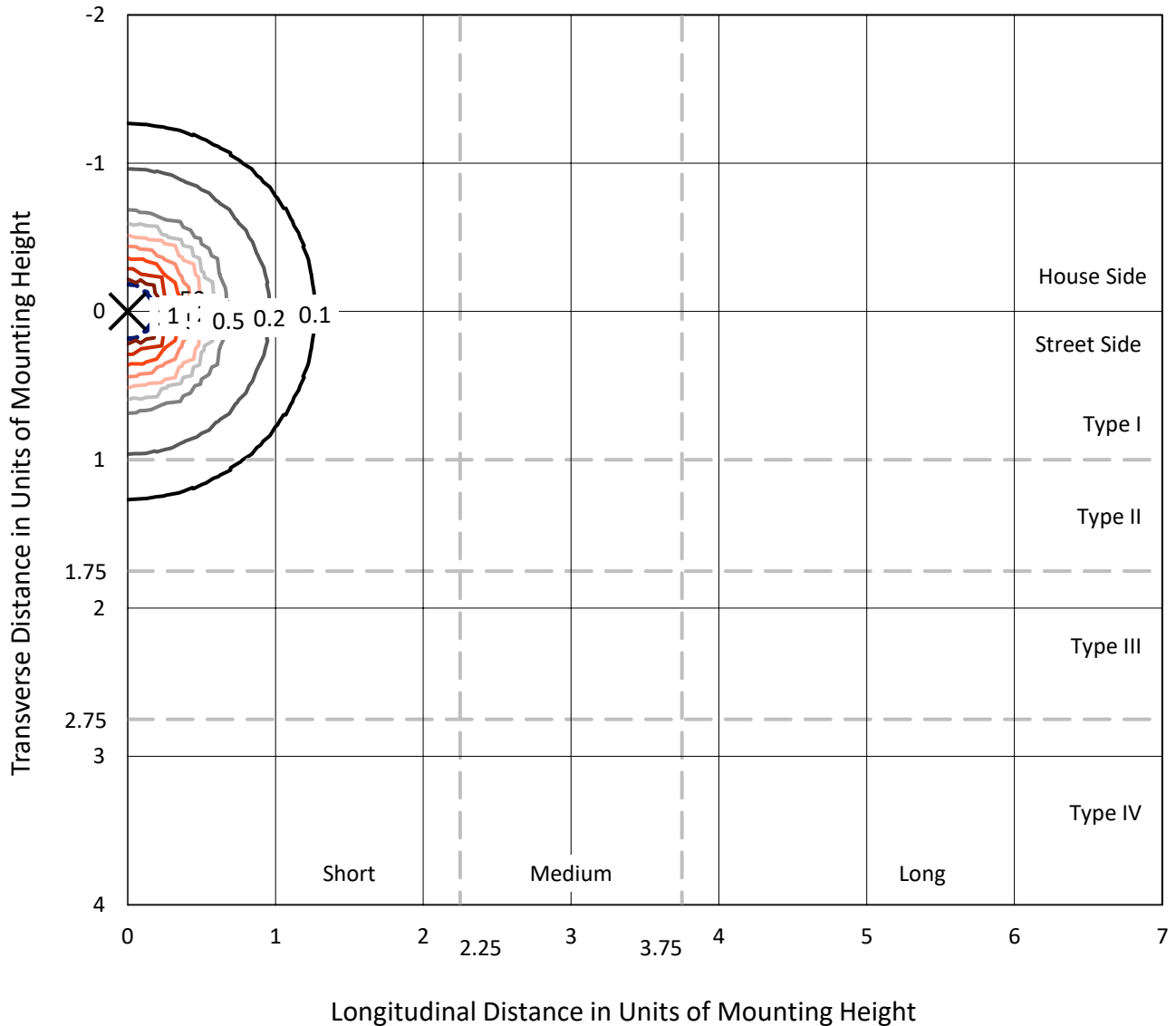
Lumens per Lamp: N/A
Luminaire Lumens: 15019.5 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 184.1
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: P525629
 CATALOG NUMBER: IFLD-S-SA3D-927-U-33

Iso-Footcandle Lines of Horizontal Illumination

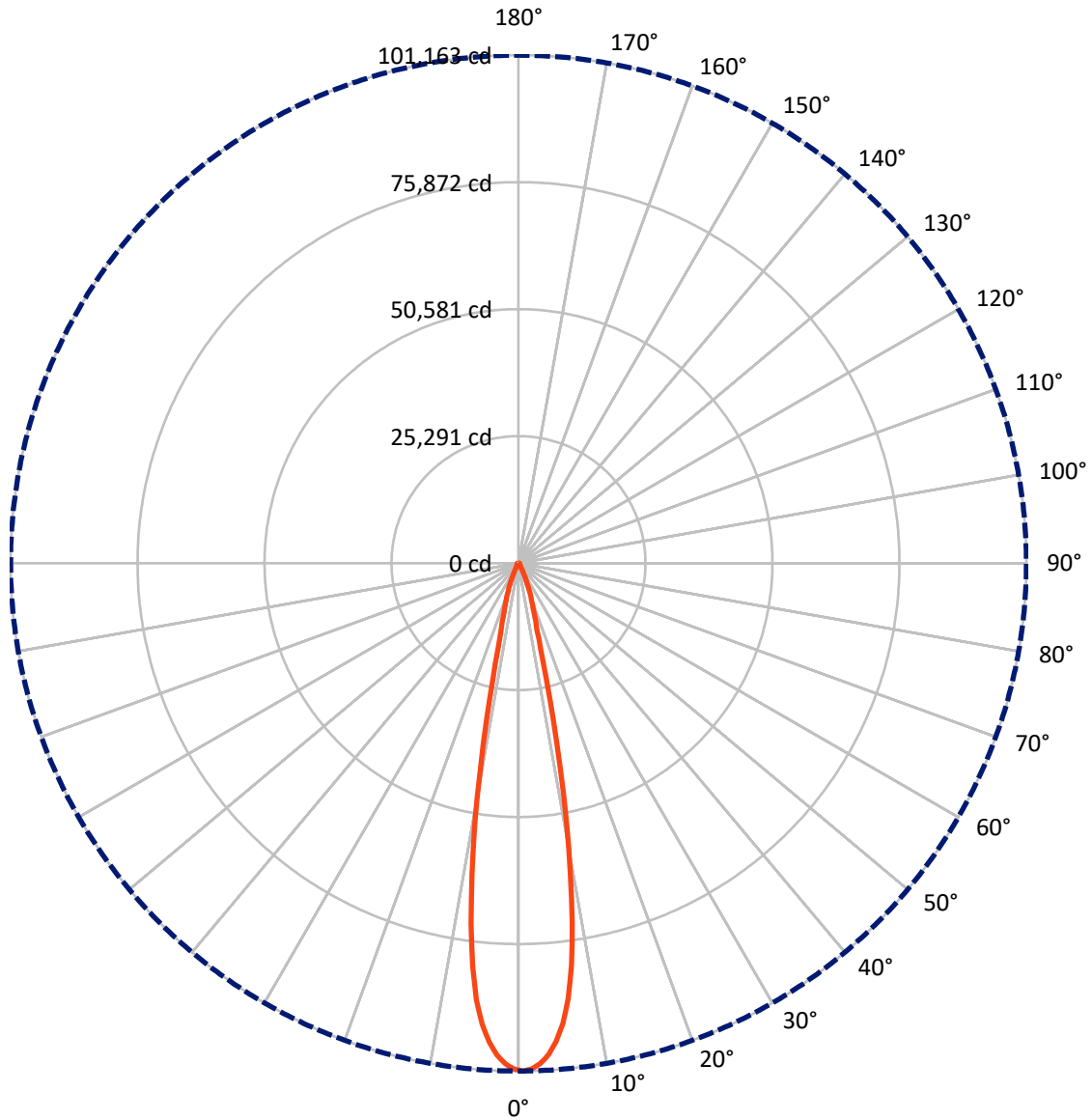
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 161.9 fc
 Type V - Short - N/A

REPORT NUMBER: P525629
CATALOG NUMBER: IFLD-S-SA3D-927-U-33

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525629
 CATALOG NUMBER: IFLD-S-SA3D-927-U-33

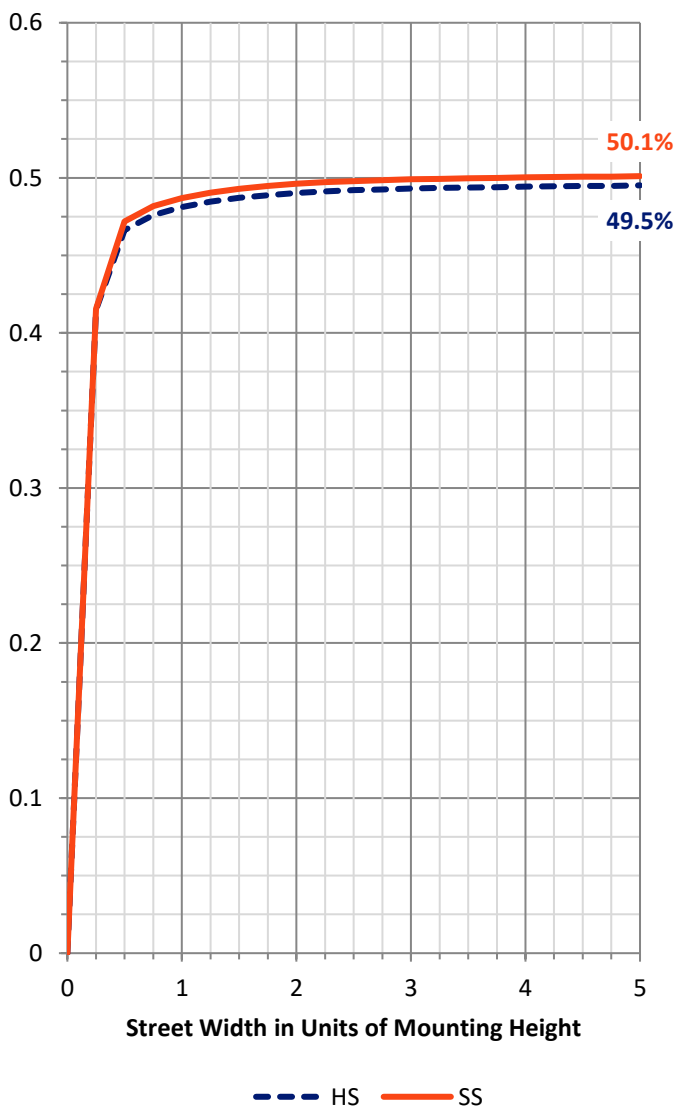
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7509.8	0.0	7509.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7509.8	0.0	7509.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	15019.5	0.0	15019.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7532.1	50.1
10°-20°	4954.4	33.0
20°-30°	1332.6	8.9
30°-40°	331.1	2.2
40°-50°	247.1	1.6
50°-60°	227.2	1.5
60°-70°	208.4	1.4
70°-80°	134.8	0.9
80°-90°	51.8	0.3
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°	15019.5	100.0
0°-180°	15019.5	100.0

Coefficient of Utilization



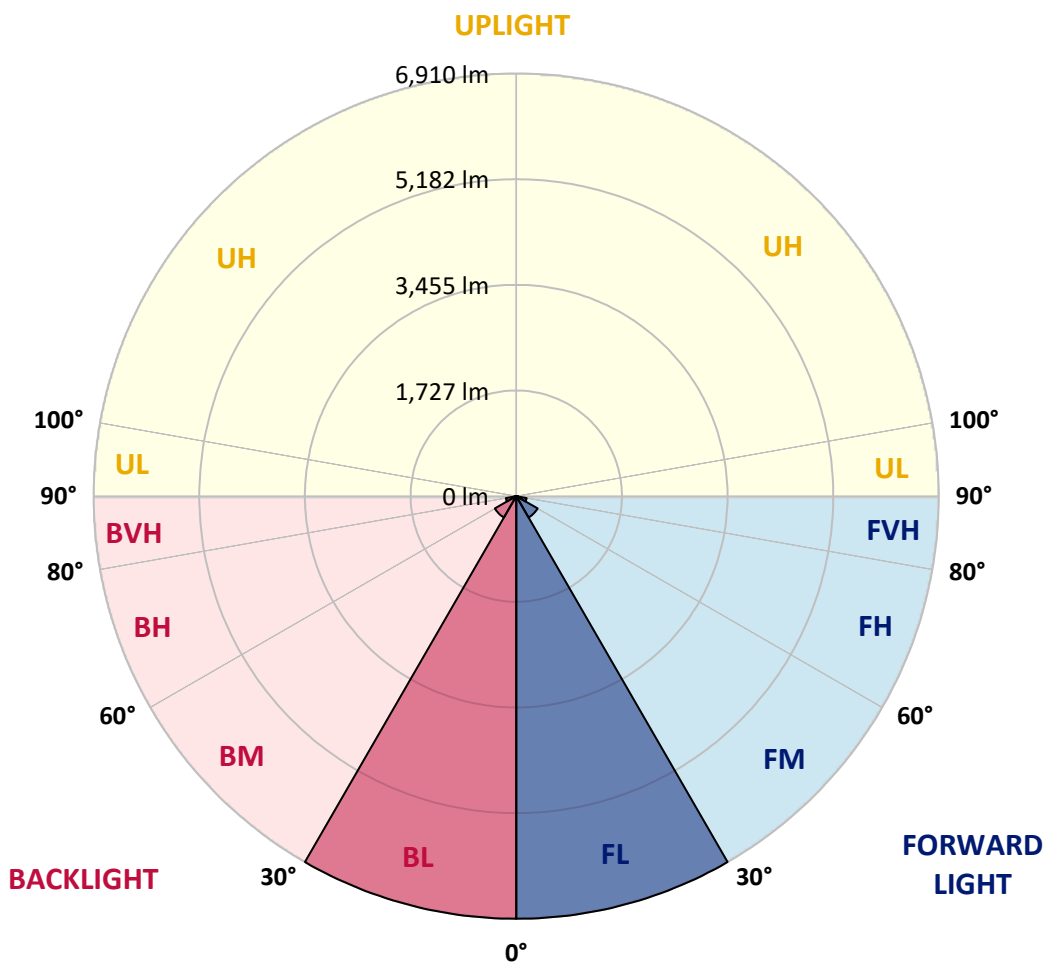
REPORT NUMBER: P525629
 CATALOG NUMBER: IFLD-S-SA3D-927-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6909.5	46.0			
FM (30°-60°)	402.7	2.7			
FH (60°-80°)	171.6	1.1			G0/660
FVH (80°-90°)	25.9	0.2			G1/100
BL (0°-30°)	6909.5	46.0	B5		
BM (30°-60°)	402.7	2.7	B1/1000		
BH (60°-80°)	171.6	1.1	B1/500		G0/660
BVH (80°-90°)	25.9	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: P525629
CATALOG NUMBER: IFLD-S-SA3D-927-U-33

CANDELA DISTRIBUTION (FULL):

	0°
0°	101162.7
1°	100766.8
2°	99769.3
3°	98070.7
4°	95595.9
5°	92150.0
6°	87339.6
7°	80755.4
8°	72406.3
9°	62559.8
10°	52574.1
11°	41847.4
12°	31890.4
13°	23565.6
14°	17636.0
15°	13812.0
17.5°	9258.1
20°	6692.6
22.5°	4412.3
25°	2589.9
27.5°	1453.1
30°	811.7
32.5°	592.7
35°	502.1
37.5°	442.3
40°	389.3
42.5°	349.4
45°	314.1
47.5°	289.7
50°	269.8
52.5°	258.8
55°	252.1
57.5°	247.7
60°	241.1
62.5°	227.8
65°	212.3
67.5°	194.6
70°	172.5
72.5°	148.2
75°	126.1
77.5°	106.2
80°	88.5
82.5°	70.8
85°	53.1
87.5°	22.1



REPORT NUMBER: P525629
CATALOG NUMBER: IFLD-S-SA3D-927-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)