

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: P525642

Luminaire Tested: **IFLD-S-SA6B-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525642
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

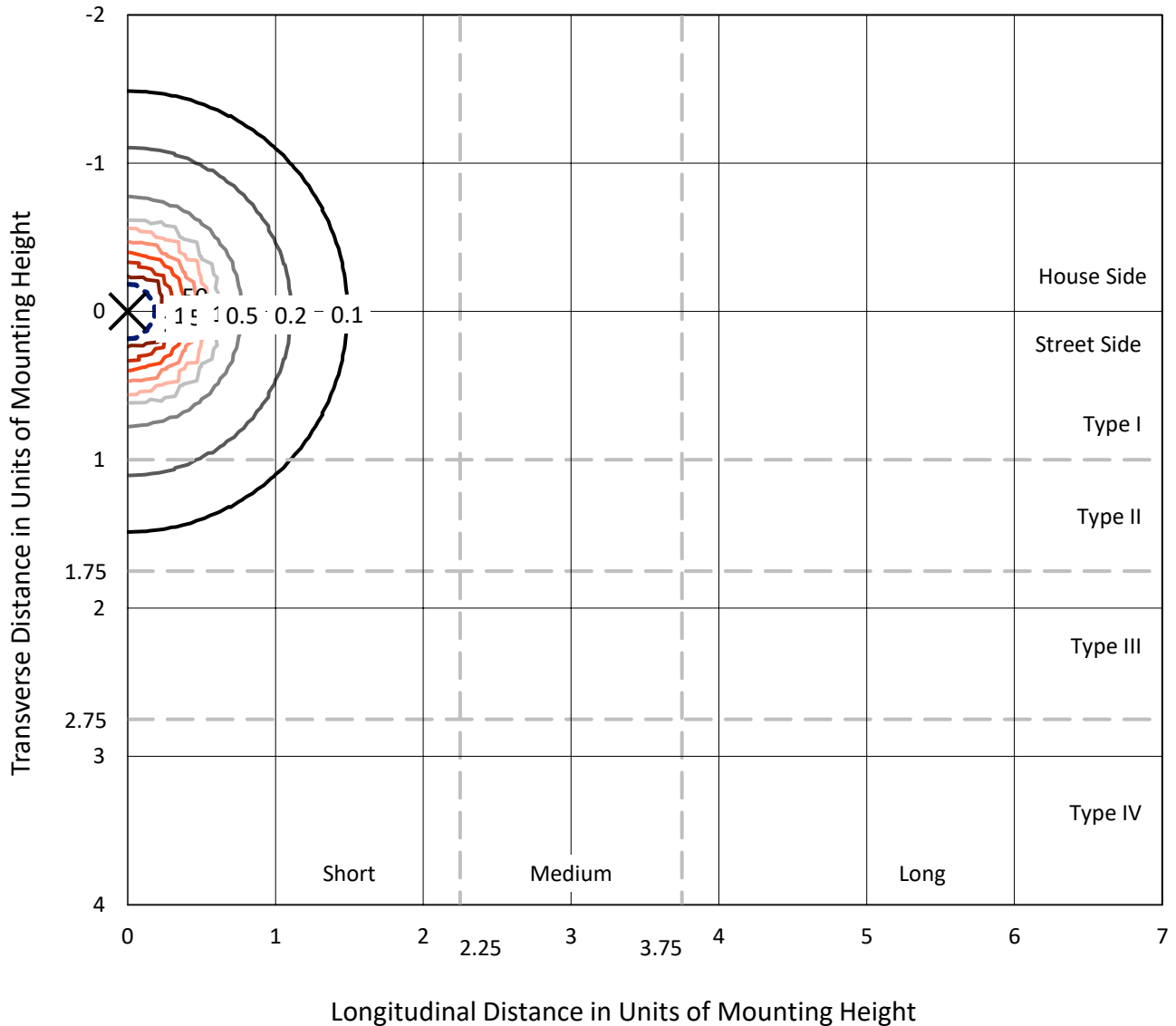
Lumens per Lamp: N/A
Luminaire Lumens: 21510.5 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9
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: P525642
 CATALOG NUMBER: IFLD-S-SA6B-927-U-33

Iso-Footcandle Lines of Horizontal Illumination

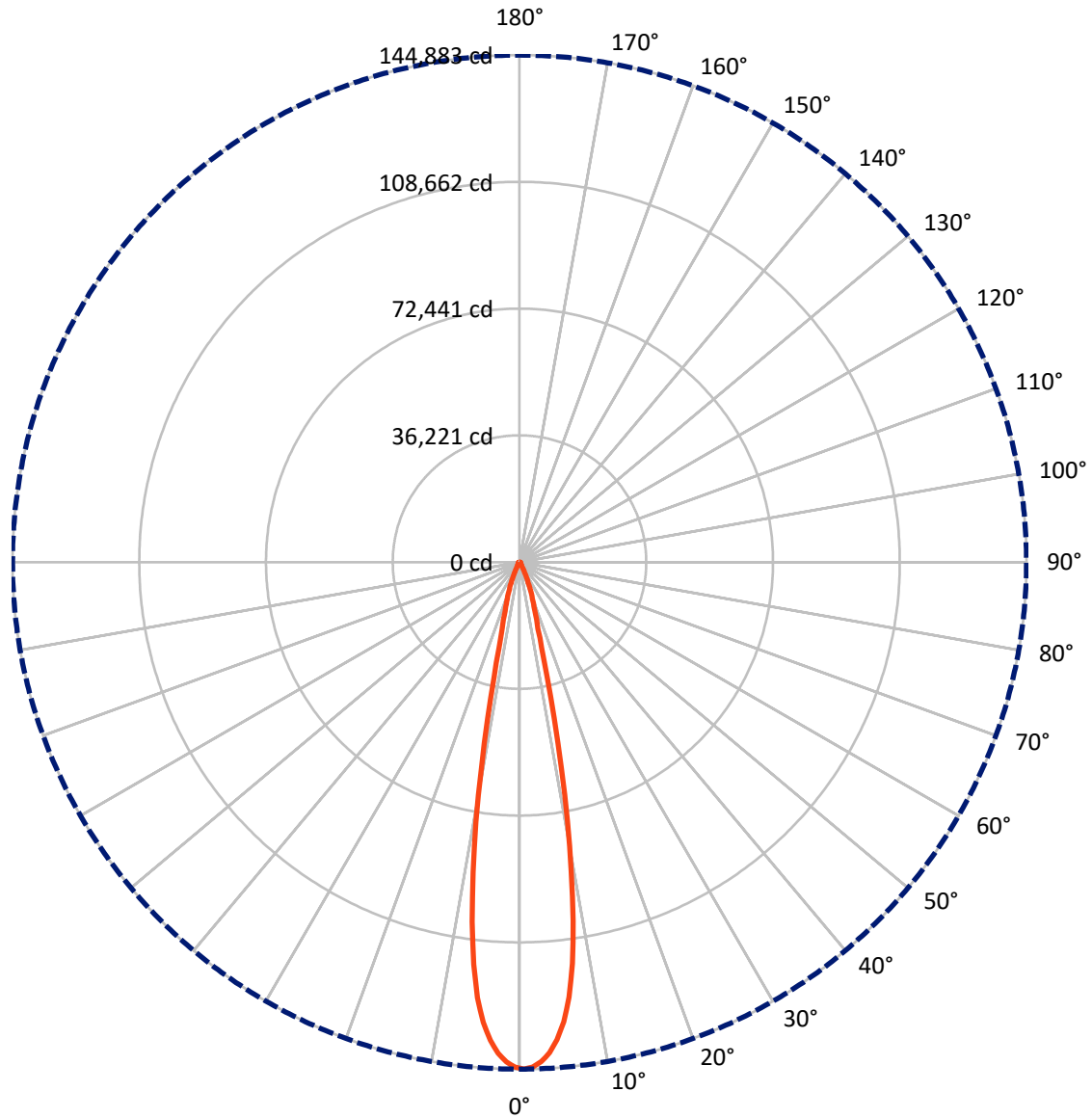
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 231.8 fc
 Type V - Short - N/A

REPORT NUMBER: P525642
CATALOG NUMBER: IFLD-S-SA6B-927-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525642

CATALOG NUMBER: IFLD-S-SA6B-927-U-33

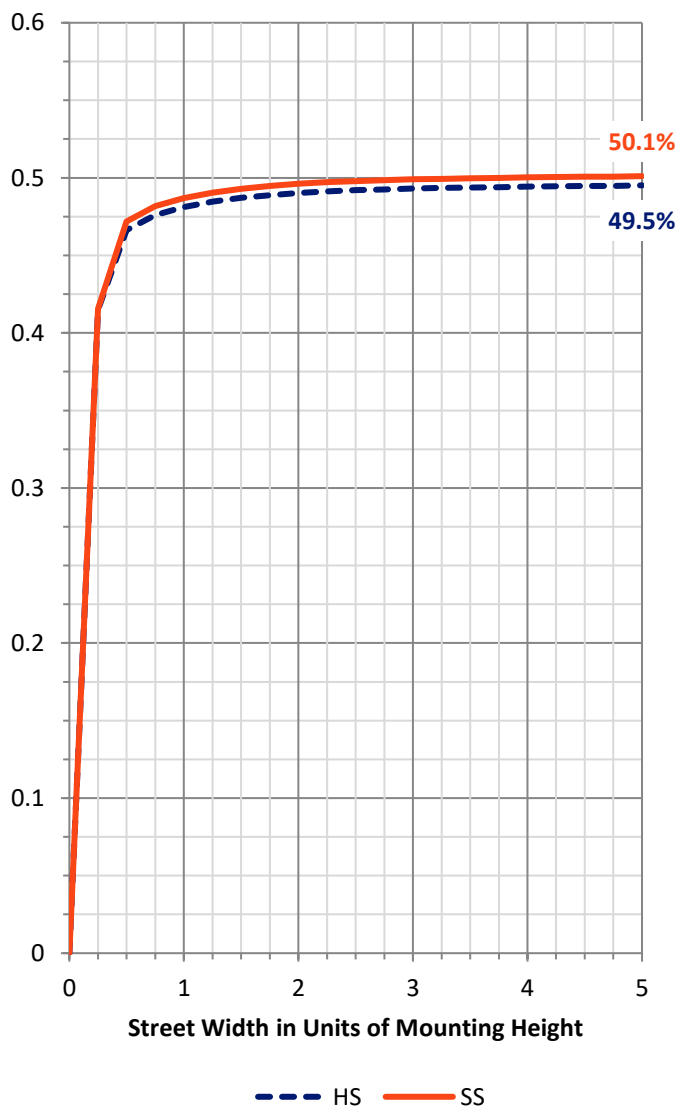
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10755.3	0.0	10755.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10755.3	0.0	10755.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	21510.5	0.0	21510.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10787.2	50.1
10°-20°	7095.5	33.0
20°-30°	1908.6	8.9
30°-40°	474.2	2.2
40°-50°	353.9	1.6
50°-60°	325.4	1.5
60°-70°	298.5	1.4
70°-80°	193.0	0.9
80°-90°	74.1	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°	21510.5	100.0
0°-180°	21510.5	100.0

Coefficient of Utilization



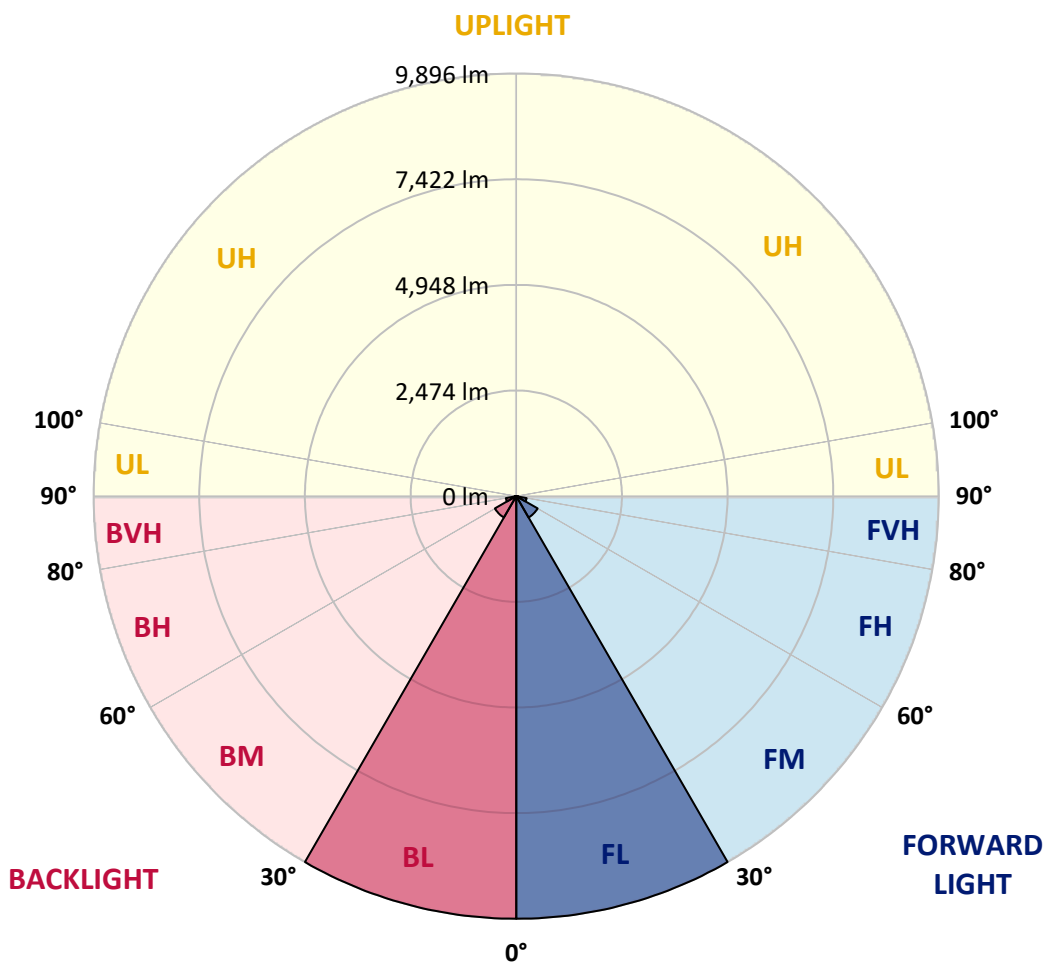
REPORT NUMBER: P525642
 CATALOG NUMBER: IFLD-S-SA6B-927-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9895.7	46.0			
FM (30°-60°)	576.8	2.7			
FH (60°-80°)	245.8	1.1			G0/660
FVH (80°-90°)	37.1	0.2			G1/100
BL (0°-30°)	9895.7	46.0	B5		
BM (30°-60°)	576.8	2.7	B1/1000		
BH (60°-80°)	245.8	1.1	B1/500		G0/660
BVH (80°-90°)	37.1	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: P525642
CATALOG NUMBER: IFLD-S-SA6B-927-U-33

CANDELA DISTRIBUTION (FULL):

	0°
0°	144882.5
1°	144315.5
2°	142886.9
3°	140454.3
4°	136909.8
5°	131974.8
6°	125085.5
7°	115655.7
8°	103698.4
9°	89596.5
10°	75295.2
11°	59932.7
12°	45672.5
13°	33750.0
14°	25257.8
15°	19781.2
17.5°	13259.2
20°	9584.9
22.5°	6319.2
25°	3709.2
27.5°	2081.1
30°	1162.5
32.5°	848.9
35°	719.0
37.5°	633.5
40°	557.5
42.5°	500.5
45°	449.8
47.5°	414.9
50°	386.4
52.5°	370.6
55°	361.1
57.5°	354.8
60°	345.3
62.5°	326.3
65°	304.1
67.5°	278.7
70°	247.1
72.5°	212.2
75°	180.5
77.5°	152.0
80°	126.7
82.5°	101.4
85°	76.0
87.5°	31.7



REPORT NUMBER: P525642
CATALOG NUMBER: IFLD-S-SA6B-927-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)