

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: P525722

Luminaire Tested: **IFLD-S-SA6D-935-U-33**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525722
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

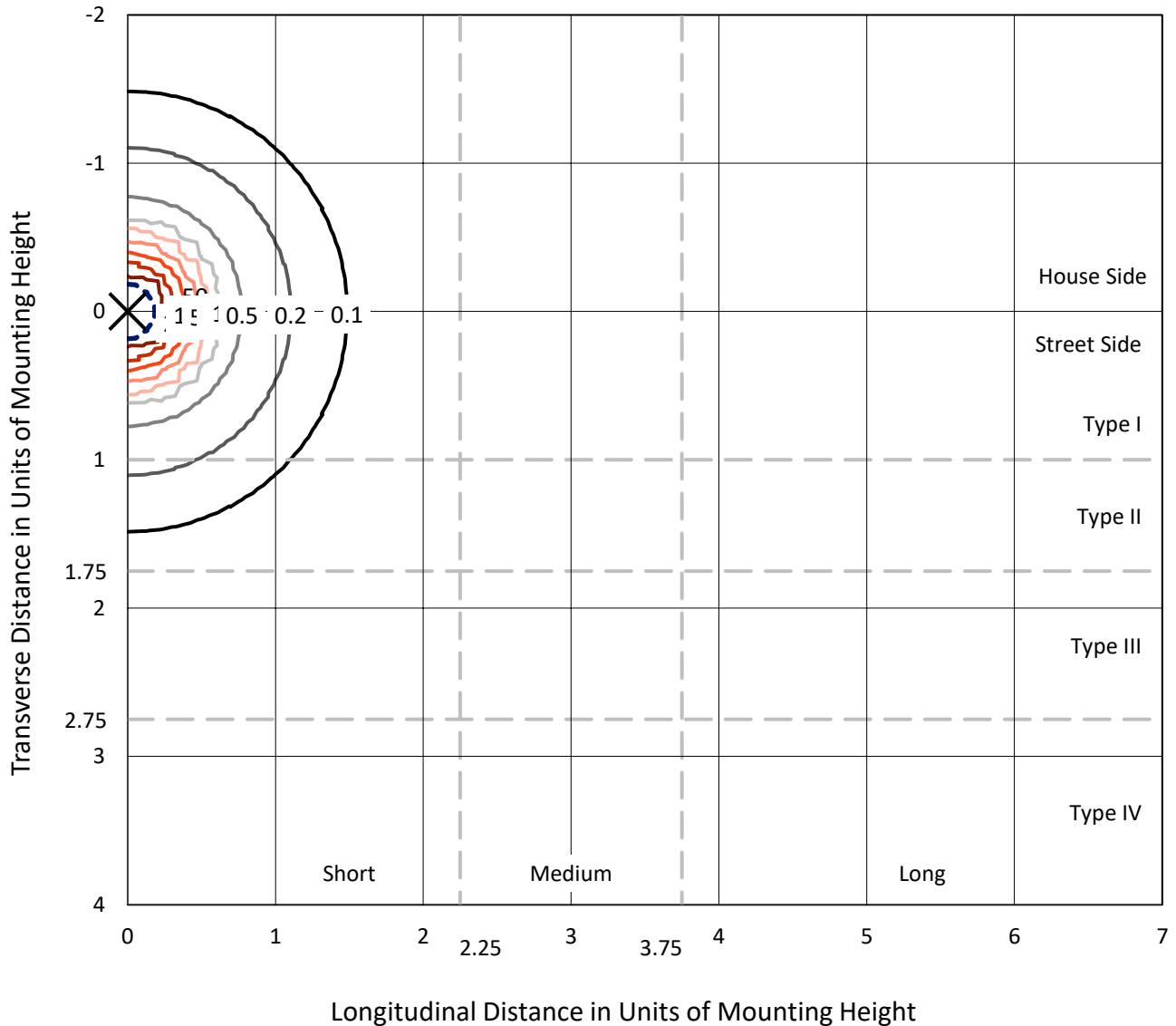
Lumens per Lamp: N/A
Luminaire Lumens: 30903.4 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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: P525722
 CATALOG NUMBER: IFLD-S-SA6D-935-U-33

Iso-Footcandle Lines of Horizontal Illumination

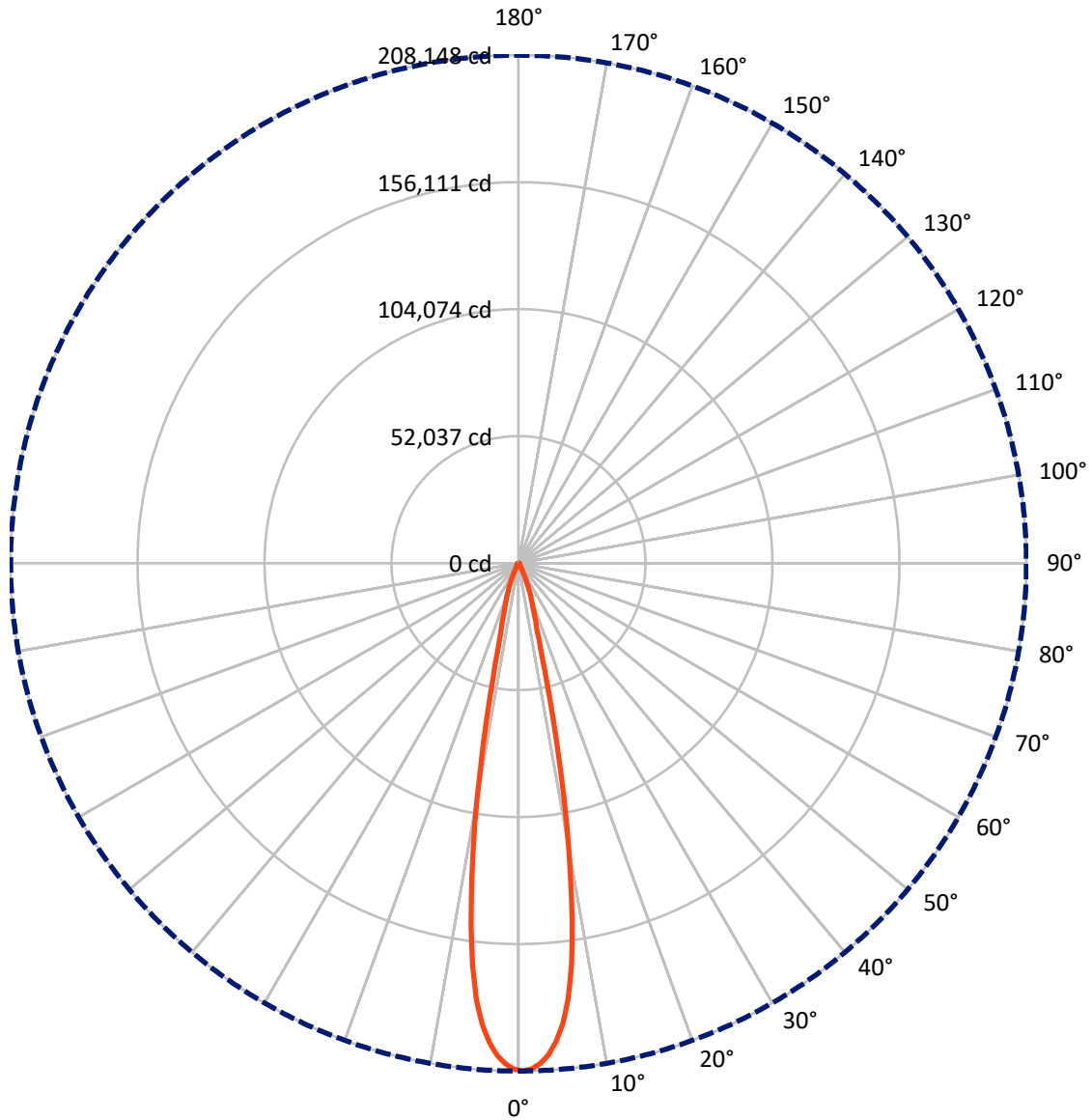
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 231.3 fc
 Type V - Short - N/A

REPORT NUMBER: P525722
CATALOG NUMBER: IFLD-S-SA6D-935-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525722
 CATALOG NUMBER: IFLD-S-SA6D-935-U-33

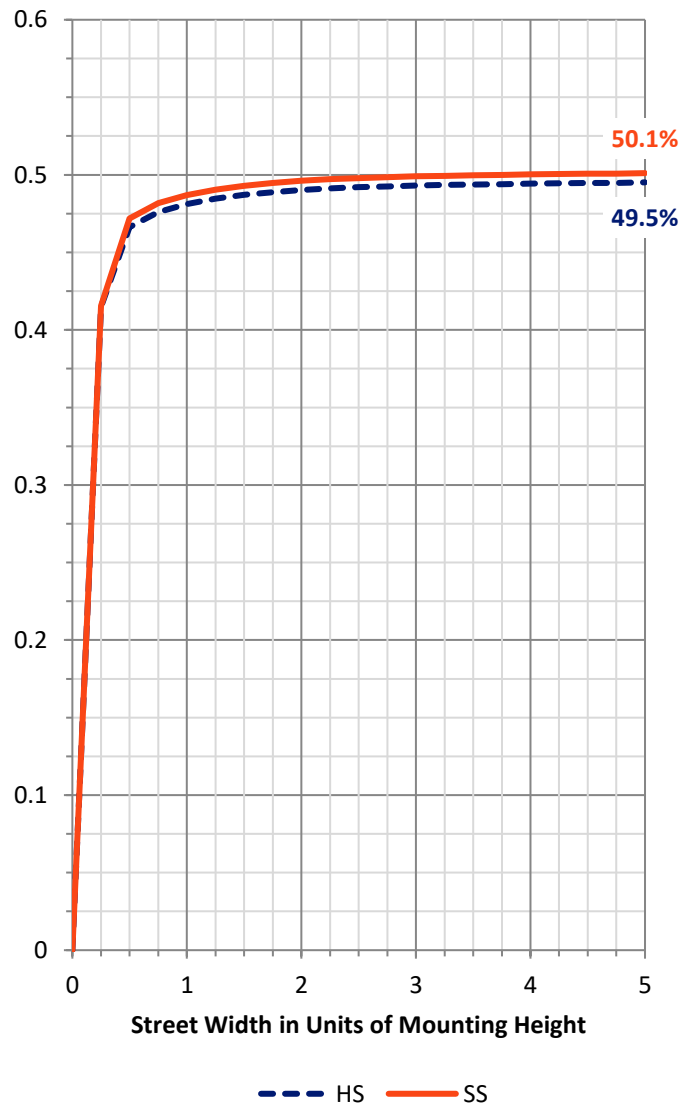
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15451.7	0.0	15451.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15451.7	0.0	15451.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	30903.4	0.0	30903.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15497.7	50.1
10°-20°	10193.9	33.0
20°-30°	2741.9	8.9
30°-40°	681.3	2.2
40°-50°	508.4	1.6
50°-60°	467.5	1.5
60°-70°	428.8	1.4
70°-80°	277.3	0.9
80°-90°	106.5	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°	30903.4	100.0
0°-180°	30903.4	100.0

Coefficient of Utilization



REPORT NUMBER: P525722

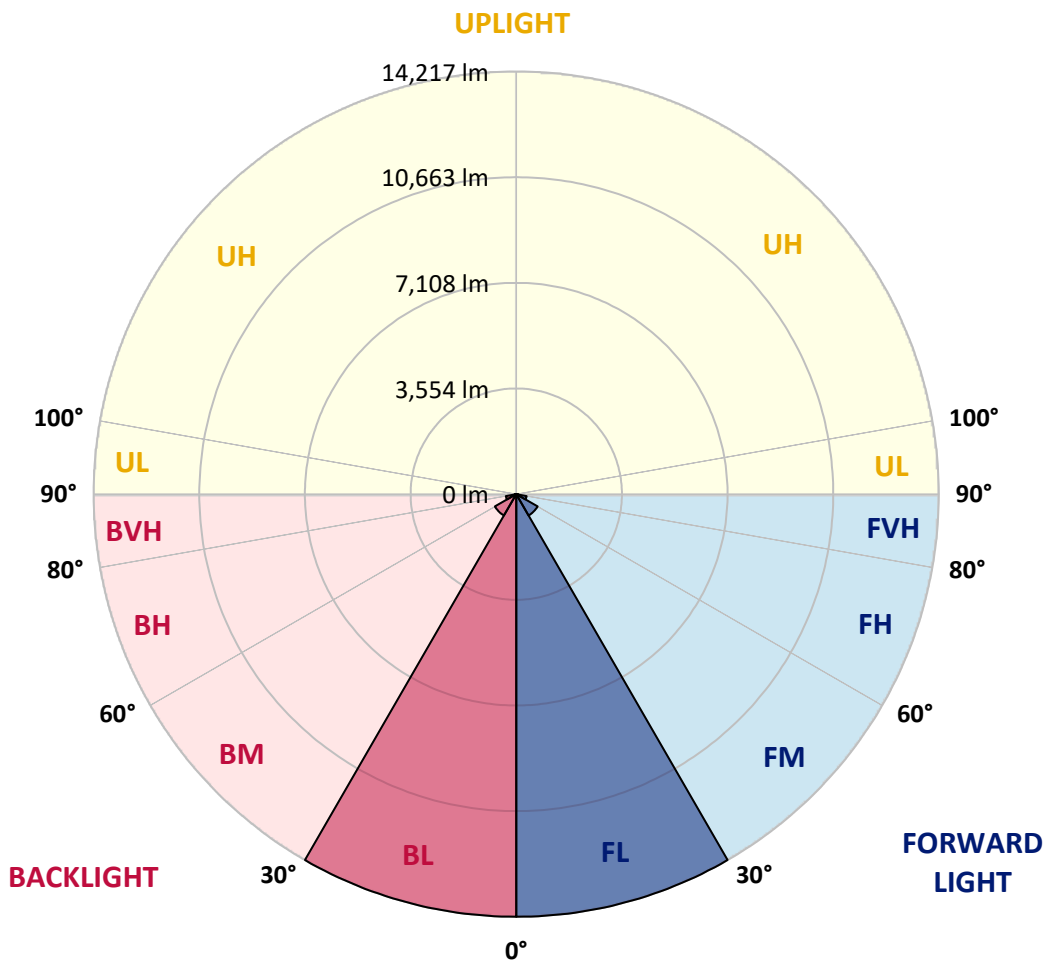
CATALOG NUMBER: IFLD-S-SA6D-935-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14216.8	46.0			
FM (30°-60°)	828.6	2.7			
FH (60°-80°)	353.1	1.1			G0/660
FVH (80°-90°)	53.2	0.2			G1/100
BL (0°-30°)	14216.8	46.0	B5		
BM (30°-60°)	828.6	2.7	B1/1000		
BH (60°-80°)	353.1	1.1	B1/500		G0/660
BVH (80°-90°)	53.2	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: P525722
CATALOG NUMBER: IFLD-S-SA6D-935-U-33

CANDELA DISTRIBUTION (FULL):

	0°
0°	208147.9
1°	207333.3
2°	205281.0
3°	201786.0
4°	196693.8
5°	189603.9
6°	179706.2
7°	166158.8
8°	148980.0
9°	128720.4
10°	108174.1
11°	86103.3
12°	65616.2
13°	48487.4
14°	36287.1
15°	28419.0
17.5°	19049.1
20°	13770.3
22.5°	9078.6
25°	5328.8
27.5°	2989.8
30°	1670.1
32.5°	1219.6
35°	1033.0
37.5°	910.1
40°	800.9
42.5°	719.0
45°	646.2
47.5°	596.1
50°	555.2
52.5°	532.4
55°	518.8
57.5°	509.7
60°	496.0
62.5°	468.7
65°	436.9
67.5°	400.5
70°	355.0
72.5°	304.9
75°	259.4
77.5°	218.4
80°	182.0
82.5°	145.6
85°	109.2
87.5°	45.5



REPORT NUMBER: P525722
CATALOG NUMBER: IFLD-S-SA6D-935-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)