

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: P525693

Luminaire Tested: **IFLD-L-SA7D-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525693
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

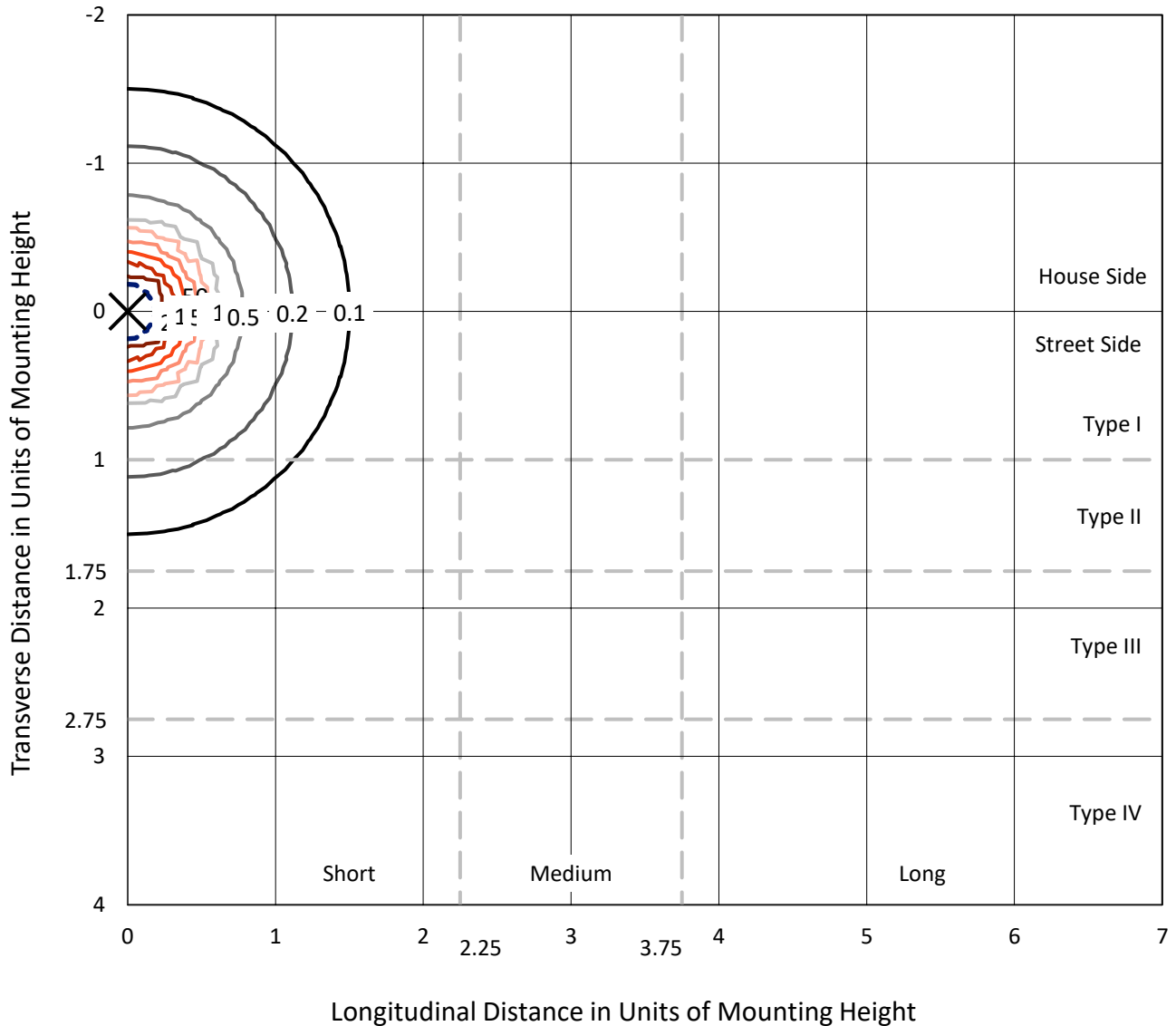
Lumens per Lamp: N/A
Luminaire Lumens: 31778.6 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 422.6
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: P525693
 CATALOG NUMBER: IFLD-L-SA7D-930-U-33

Iso-Footcandle Lines of Horizontal Illumination

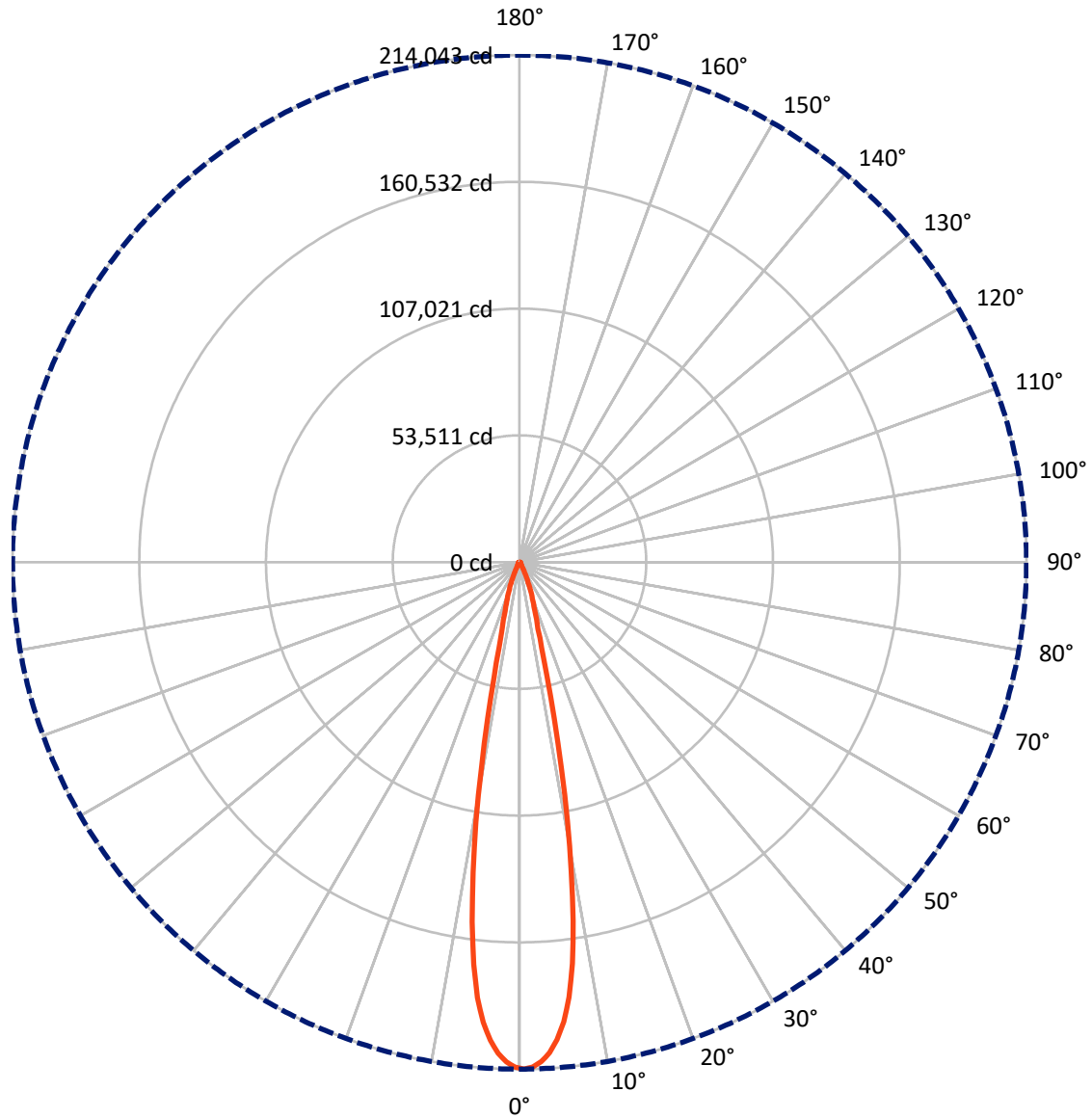
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 237.8 fc
 Type V - Short - N/A

REPORT NUMBER: P525693
CATALOG NUMBER: IFLD-L-SA7D-930-U-33

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525693
 CATALOG NUMBER: IFLD-L-SA7D-930-U-33

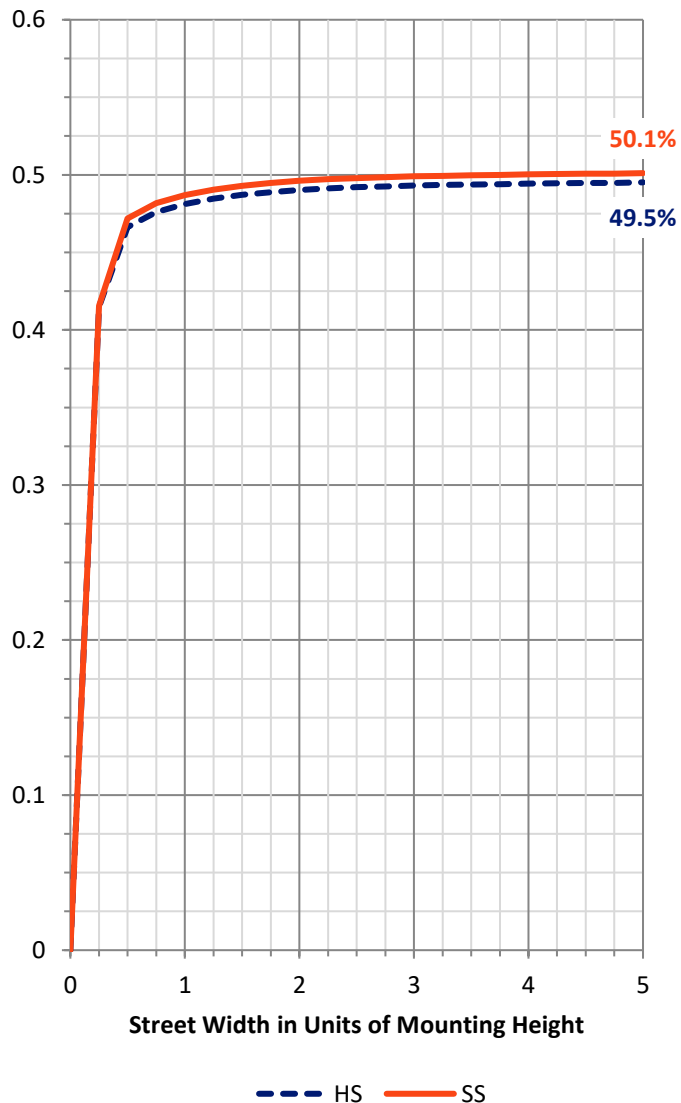
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15889.3	0.0	15889.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15889.3	0.0	15889.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	31778.6	0.0	31778.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15936.6	50.1
10°-20°	10482.6	33.0
20°-30°	2819.6	8.9
30°-40°	700.6	2.2
40°-50°	522.8	1.6
50°-60°	480.8	1.5
60°-70°	440.9	1.4
70°-80°	285.2	0.9
80°-90°	109.5	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°	31778.6	100.0
0°-180°	31778.6	100.0

Coefficient of Utilization



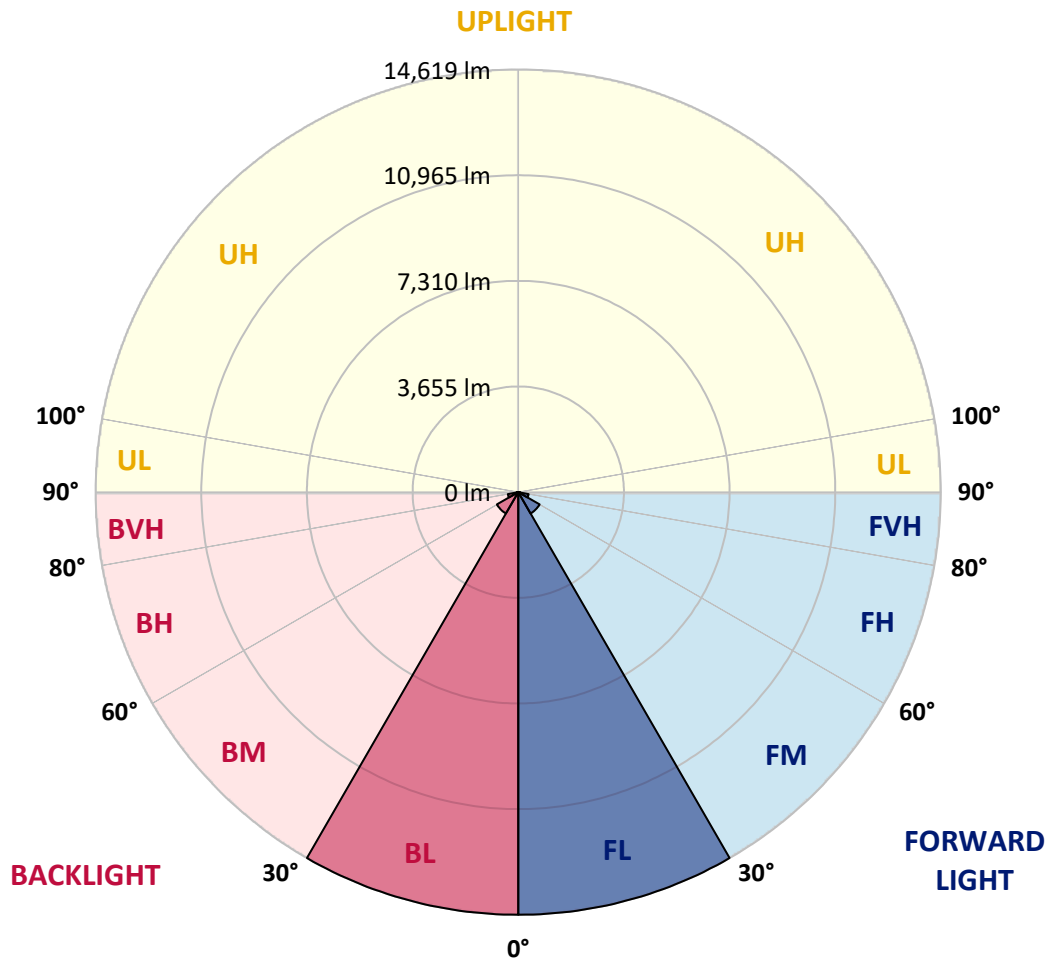
REPORT NUMBER: P525693
 CATALOG NUMBER: IFLD-L-SA7D-930-U-33

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14619.4	46.0			
FM (30°-60°)	852.1	2.7			
FH (60°-80°)	363.1	1.1			G0/660
FVH (80°-90°)	54.8	0.2			G1/100
BL (0°-30°)	14619.4	46.0	B5		
BM (30°-60°)	852.1	2.7	B1/1000		
BH (60°-80°)	363.1	1.1	B1/500		G0/660
BVH (80°-90°)	54.8	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: P525693
CATALOG NUMBER: IFLD-L-SA7D-930-U-33

CANDELA DISTRIBUTION (FULL):

0°	
0°	214042.6
1°	213205.0
2°	211094.5
3°	207500.6
4°	202264.2
5°	194973.4
6°	184795.4
7°	170864.4
8°	153199.1
9°	132365.8
10°	111237.6
11°	88541.8
12°	67474.4
13°	49860.6
14°	37314.7
15°	29223.8
17.5°	19588.6
20°	14160.3
22.5°	9335.7
25°	5479.8
27.5°	3074.5
30°	1717.4
32.5°	1254.1
35°	1062.3
37.5°	935.9
40°	823.6
42.5°	739.4
45°	664.5
47.5°	613.0
50°	570.9
52.5°	547.5
55°	533.5
57.5°	524.1
60°	510.1
62.5°	482.0
65°	449.2
67.5°	411.8
70°	365.0
72.5°	313.5
75°	266.7
77.5°	224.6
80°	187.2
82.5°	149.7
85°	112.3
87.5°	46.8



REPORT NUMBER: P525693
CATALOG NUMBER: IFLD-L-SA7D-930-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)