

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: P525893

Luminaire Tested: **IFLD-L-SA8D-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525893
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-930-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

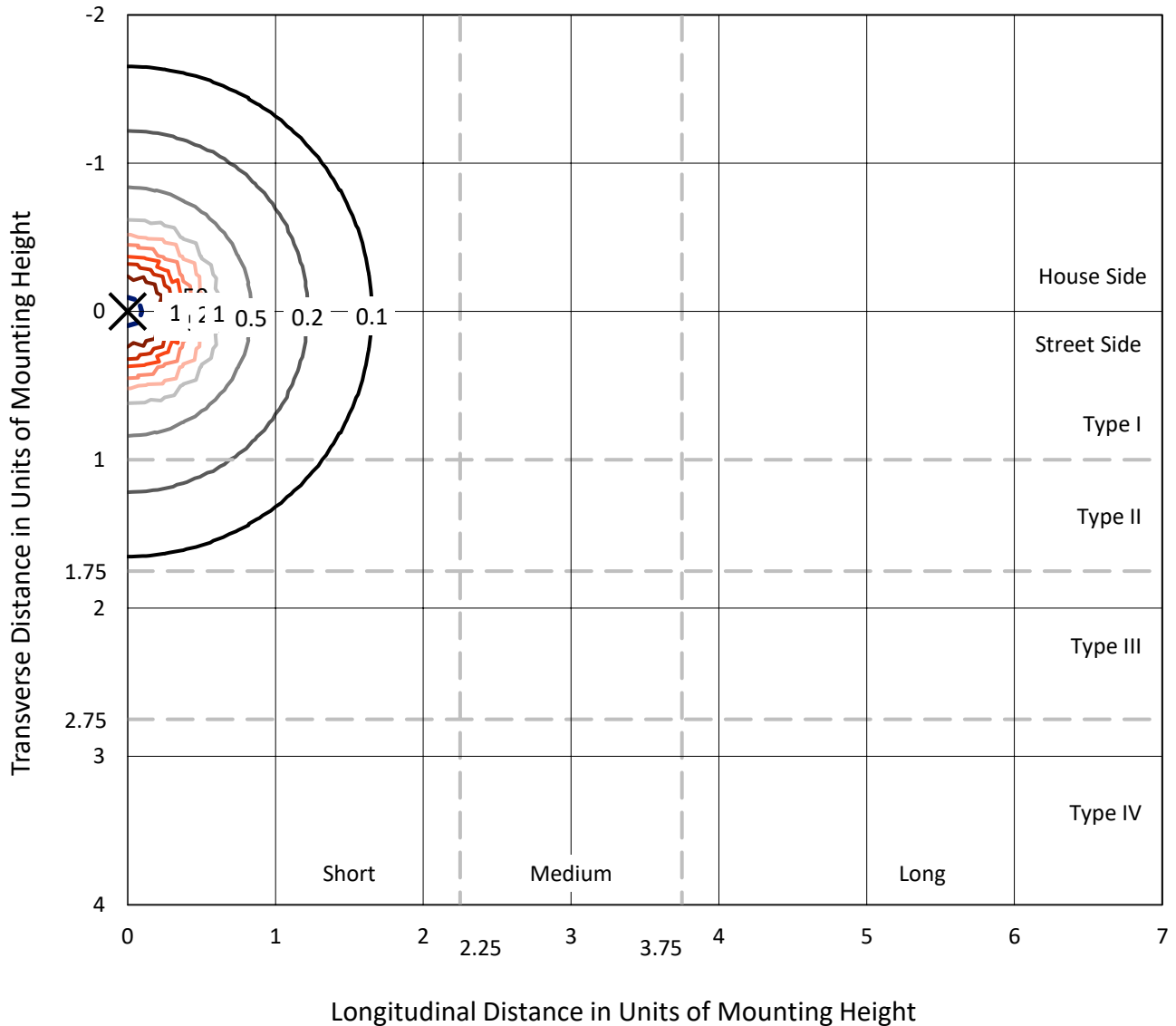
Lumens per Lamp: N/A
Luminaire Lumens: 35858.6 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3
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: P525893
 CATALOG NUMBER: IFLD-L-SA8D-930-U-22

Iso-Footcandle Lines of Horizontal Illumination

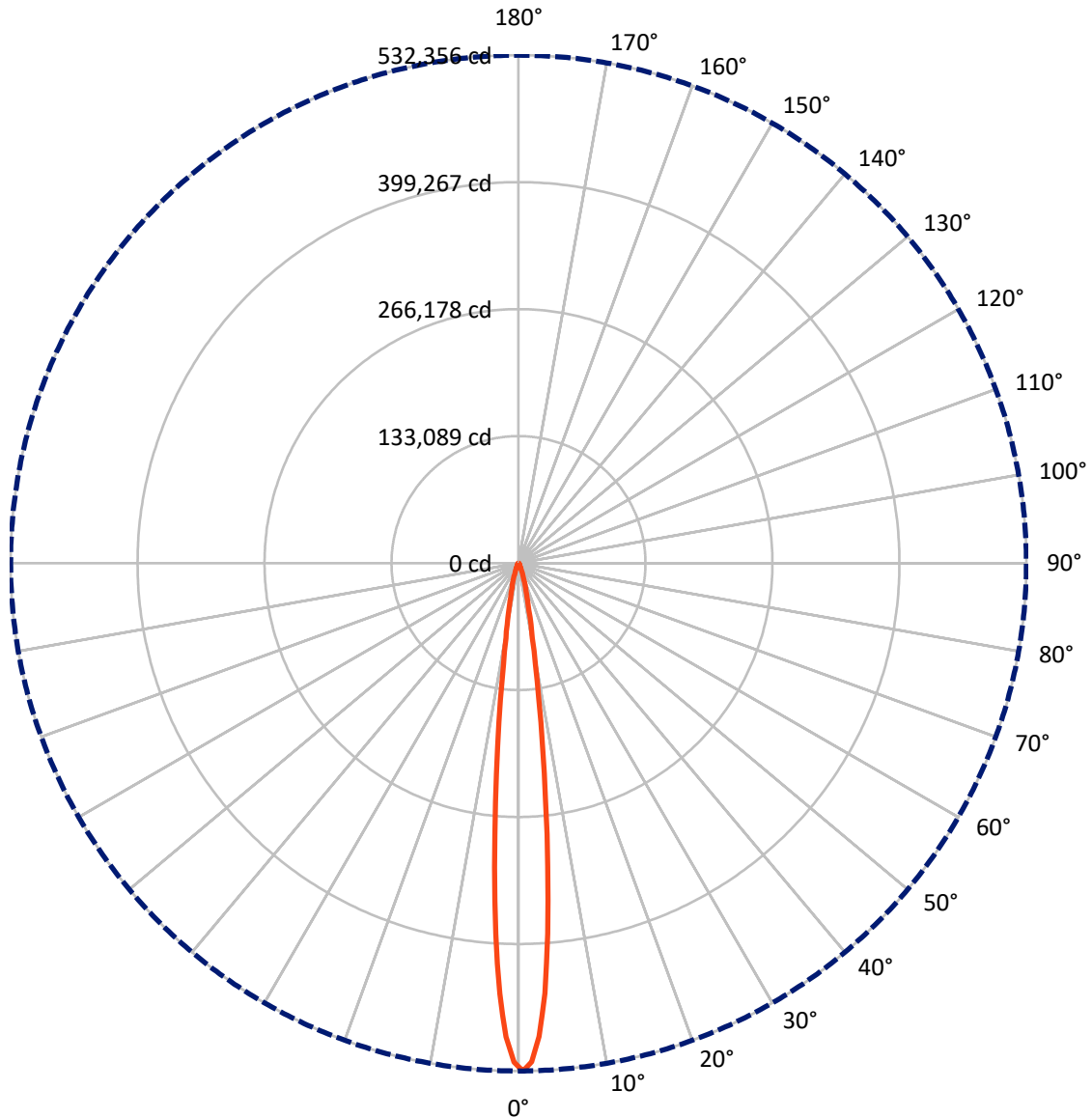
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 591.5 fc
 Type V - Short - N/A

REPORT NUMBER: P525893
CATALOG NUMBER: IFLD-L-SA8D-930-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525893
 CATALOG NUMBER: IFLD-L-SA8D-930-U-22

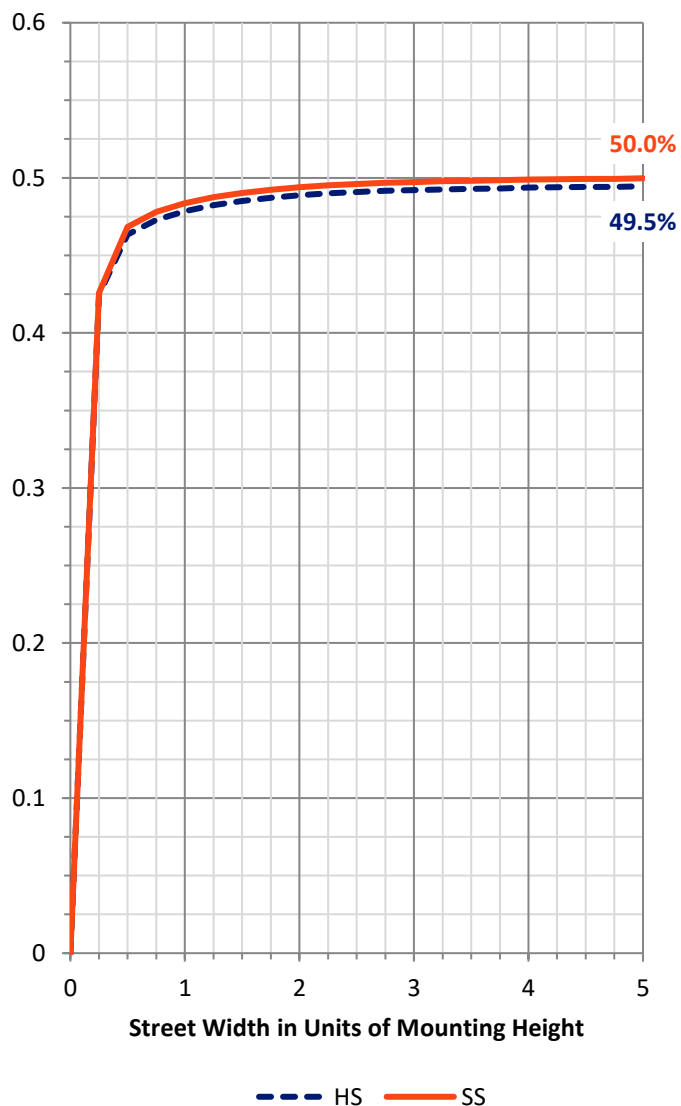
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17929.3	0.0	17929.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17929.3	0.0	17929.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	35858.6	0.0	35858.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22002.0	61.4
10°-20°	8754.9	24.4
20°-30°	2018.7	5.6
30°-40°	766.4	2.1
40°-50°	625.5	1.7
50°-60°	600.7	1.7
60°-70°	575.5	1.6
70°-80°	381.0	1.1
80°-90°	133.9	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°	35858.6	100.0
0°-180°	35858.6	100.0

Coefficient of Utilization



REPORT NUMBER: P525893

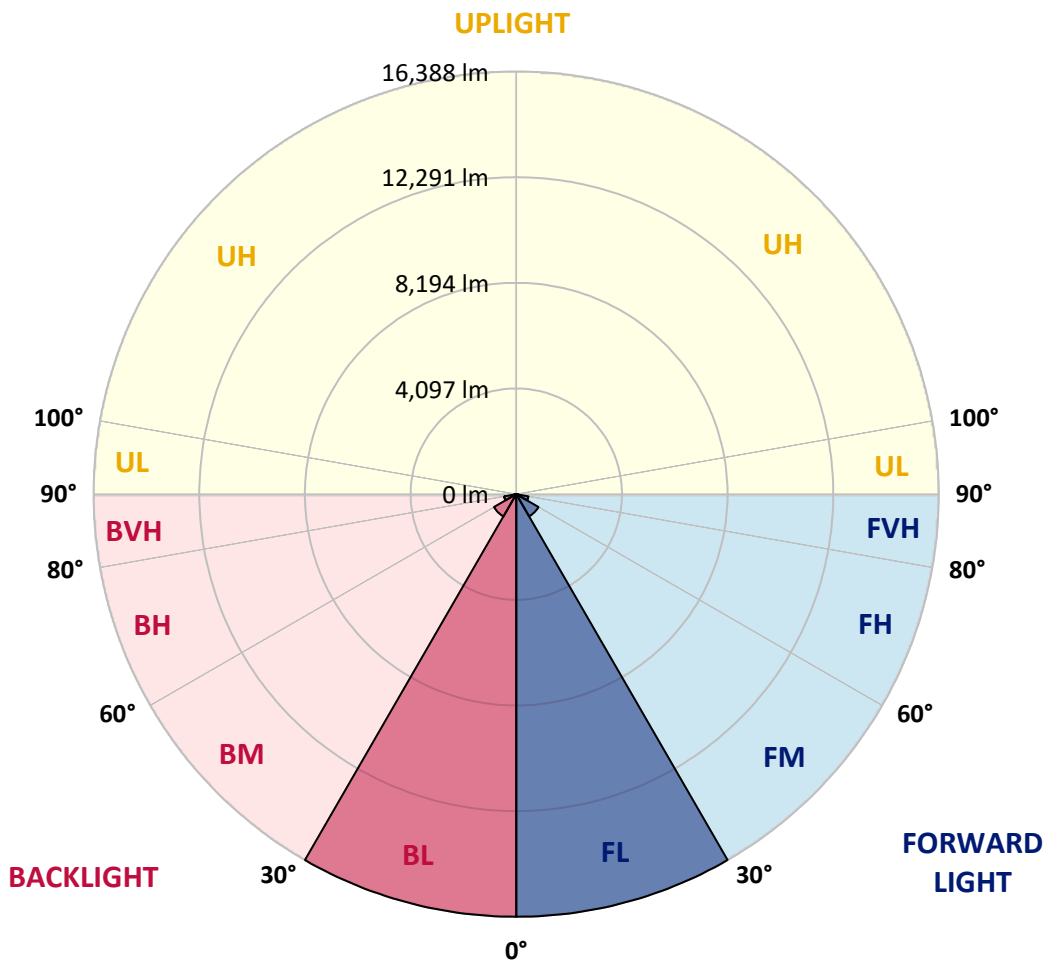
CATALOG NUMBER: IFLD-L-SA8D-930-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16387.8	45.7			
FM (30°-60°)	996.3	2.8			
FH (60°-80°)	478.3	1.3			G0/660
FVH (80°-90°)	66.9	0.2			G1/100
BL (0°-30°)	16387.8	45.7	B5		
BM (30°-60°)	996.3	2.8	B1/1000		
BH (60°-80°)	478.3	1.3	B1/500		G0/660
BVH (80°-90°)	66.9	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: P525893
CATALOG NUMBER: IFLD-L-SA8D-930-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	532355.5
1°	522990.5
2°	496758.1
3°	451701.1
4°	389750.4
5°	319897.3
6°	251496.3
7°	192660.2
8°	143794.1
9°	107207.7
10°	79949.3
12.5°	43573.3
15°	27958.1
17.5°	18866.7
20°	11216.9
22.5°	6239.8
25°	3567.1
27.5°	2262.3
30°	1631.0
32.5°	1331.1
35°	1183.8
37.5°	1099.6
40°	989.1
42.5°	878.6
45°	783.9
47.5°	736.6
50°	705.0
52.5°	684.0
55°	668.2
57.5°	657.7
60°	636.6
62.5°	620.8
65°	589.3
67.5°	547.2
70°	494.6
72.5°	426.2
75°	357.8
77.5°	294.6
80°	236.8
82.5°	184.1
85°	136.8
87.5°	52.6
90°	0.0

(END OF REPORT)