

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: P525897

Luminaire Tested: **IFLD-S-SA2D-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525897
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

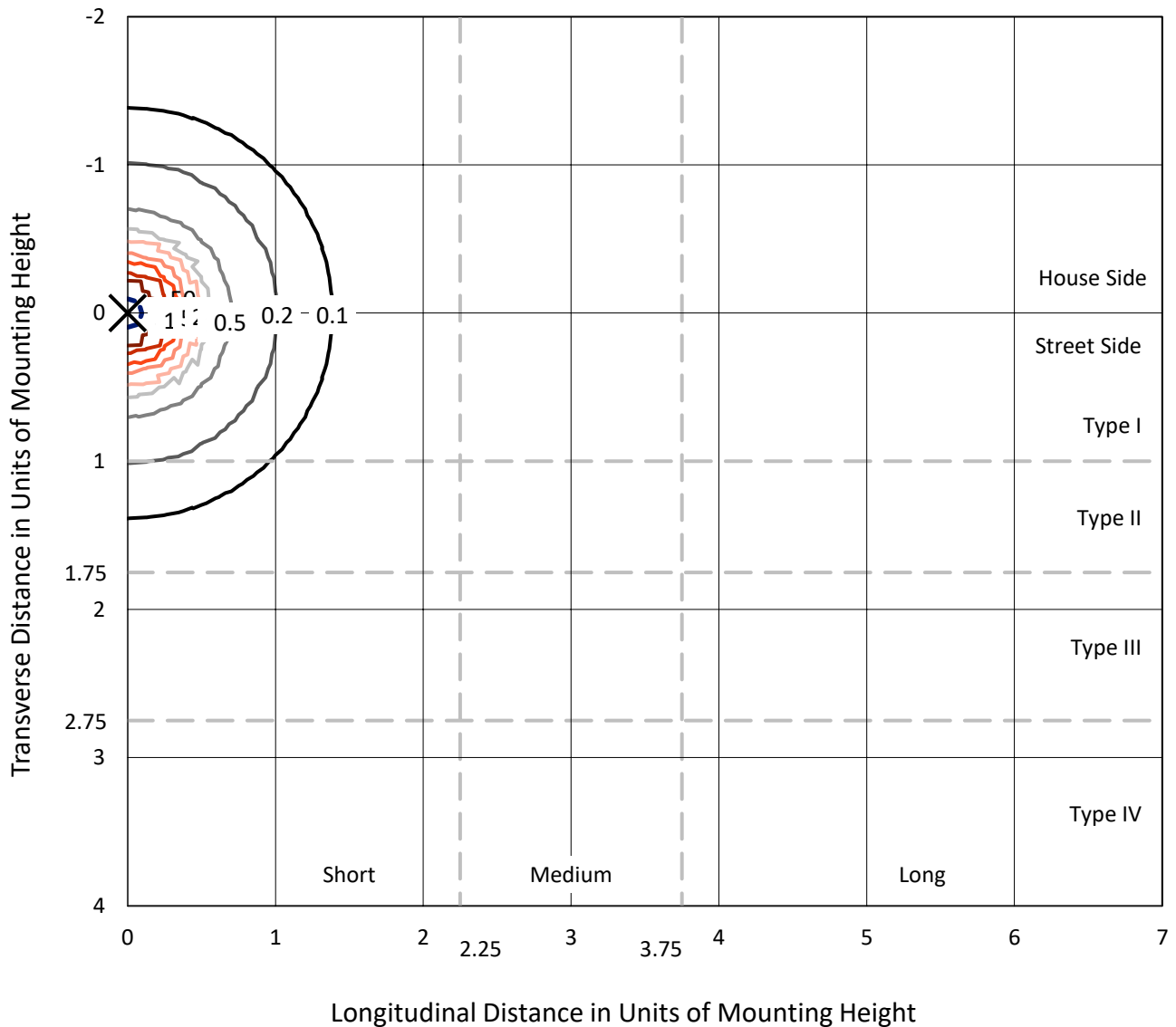
Lumens per Lamp: N/A
Luminaire Lumens: 10610.1 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 123.9
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: P525897
 CATALOG NUMBER: IFLD-S-SA2D-935-U-22

Iso-Footcandle Lines of Horizontal Illumination

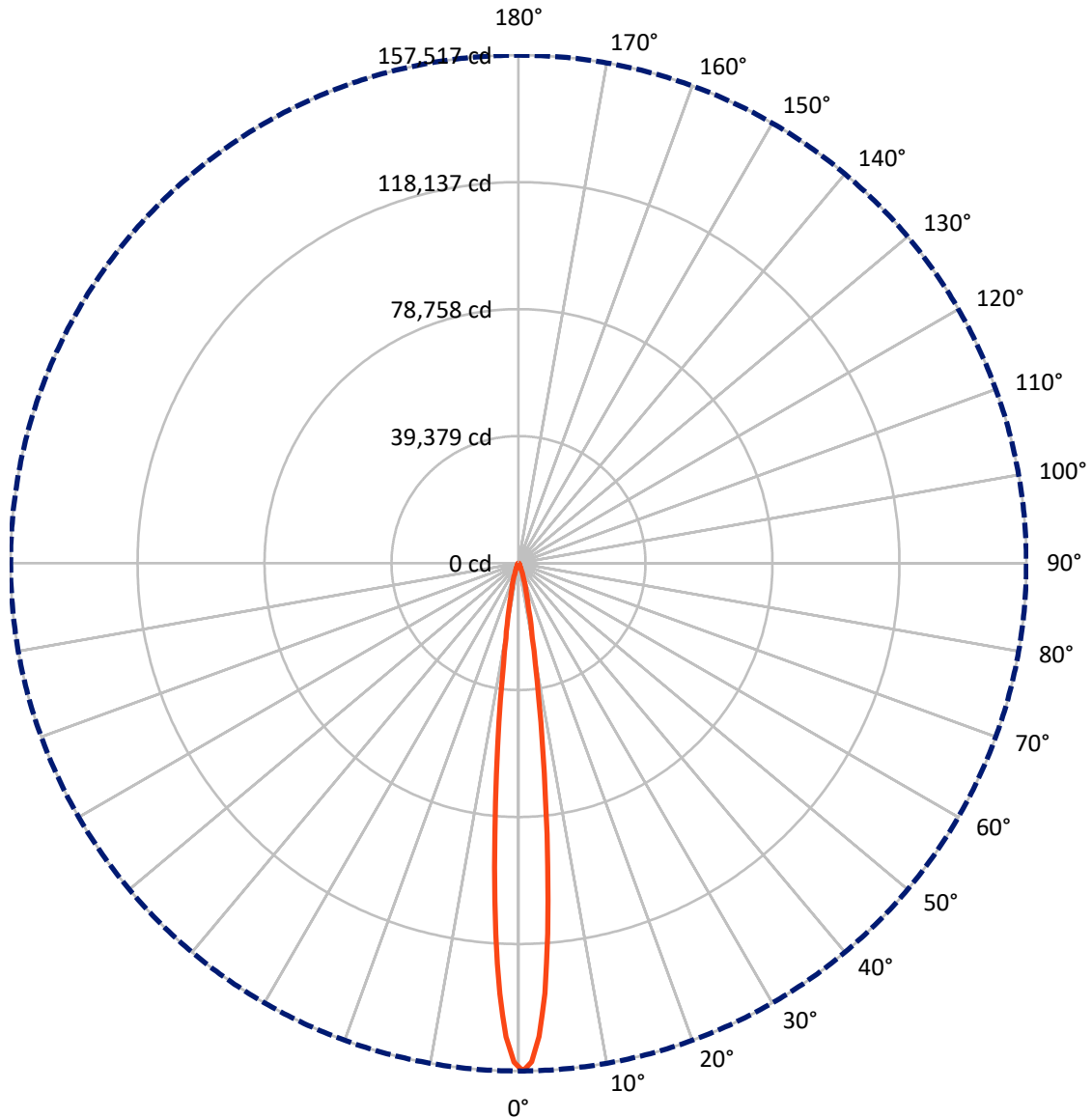
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 393.8 fc
 Type V - Short - N/A

REPORT NUMBER: P525897
CATALOG NUMBER: IFLD-S-SA2D-935-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525897
 CATALOG NUMBER: IFLD-S-SA2D-935-U-22

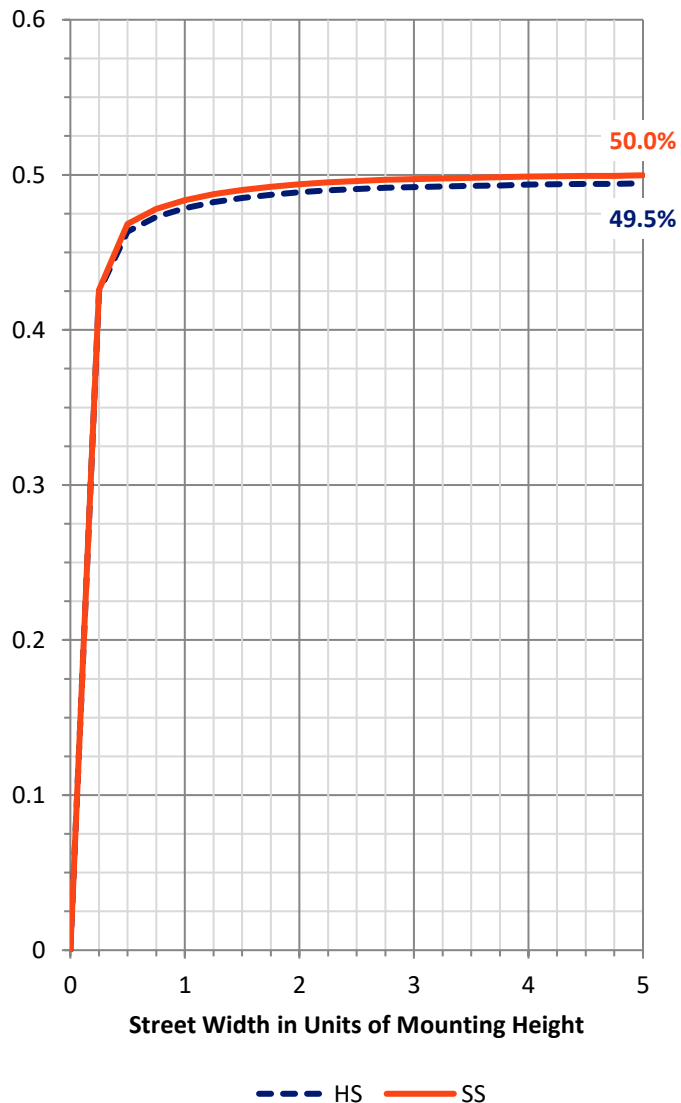
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5305.1	0.0	5305.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5305.1	0.0	5305.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10610.1	0.0	10610.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6510.1	61.4
10°-20°	2590.4	24.4
20°-30°	597.3	5.6
30°-40°	226.8	2.1
40°-50°	185.1	1.7
50°-60°	177.7	1.7
60°-70°	170.3	1.6
70°-80°	112.7	1.1
80°-90°	39.6	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°	10610.1	100.0
0°-180°	10610.1	100.0

Coefficient of Utilization



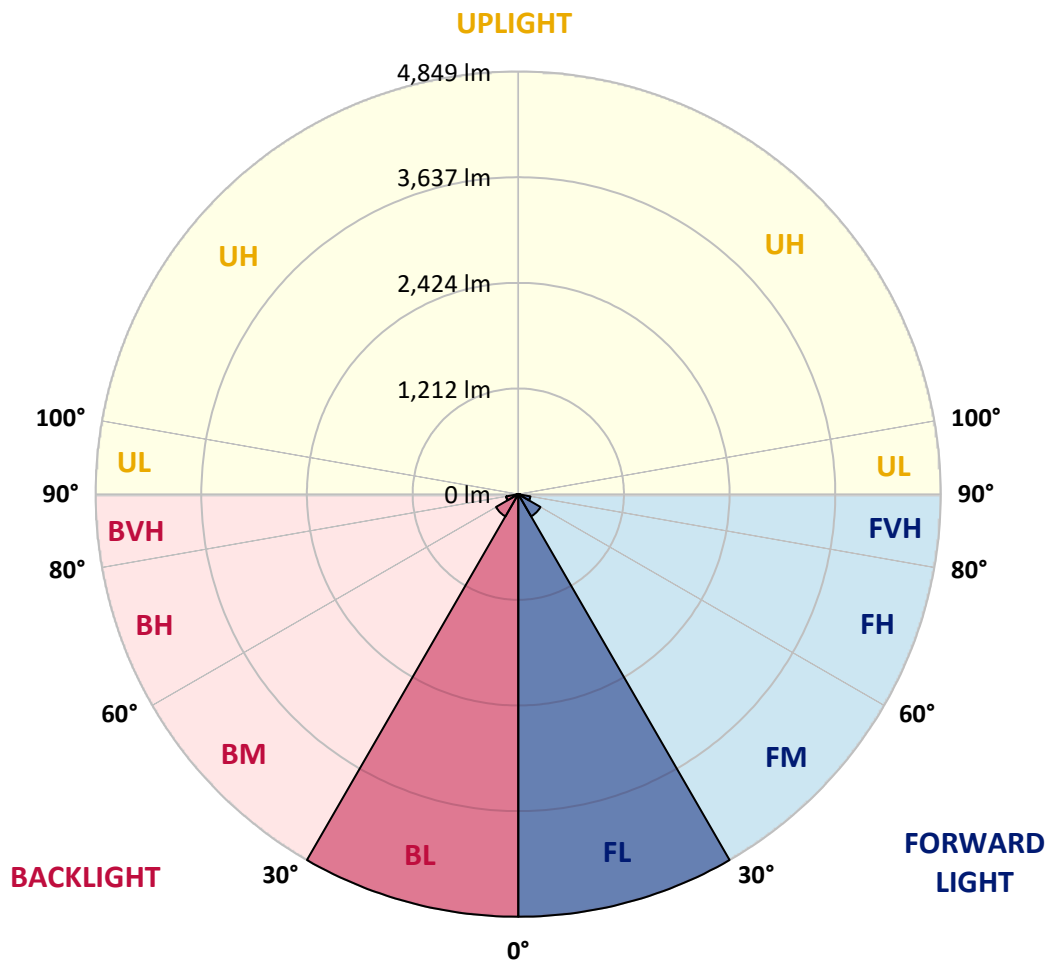
REPORT NUMBER: P525897
 CATALOG NUMBER: IFLD-S-SA2D-935-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4848.9	45.7			
FM (30°-60°)	294.8	2.8			
FH (60°-80°)	141.5	1.3			G0/660
FVH (80°-90°)	19.8	0.2			G1/100
BL (0°-30°)	4848.9	45.7	B4/5000		
BM (30°-60°)	294.8	2.8	B1/1000		
BH (60°-80°)	141.5	1.3	B1/500		G0/660
BVH (80°-90°)	19.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





REPORT NUMBER: P525897
CATALOG NUMBER: IFLD-S-SA2D-935-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	157516.5
1°	154745.5
2°	146983.7
3°	133652.0
4°	115321.7
5°	94653.1
6°	74414.2
7°	57005.5
8°	42546.7
9°	31721.2
10°	23655.9
12.5°	12892.7
15°	8272.4
17.5°	5582.4
20°	3318.9
22.5°	1846.3
25°	1055.5
27.5°	669.4
30°	482.6
32.5°	393.8
35°	350.3
37.5°	325.4
40°	292.7
42.5°	260.0
45°	232.0
47.5°	217.9
50°	208.6
52.5°	202.4
55°	197.7
57.5°	194.6
60°	188.4
62.5°	183.7
65°	174.4
67.5°	161.9
70°	146.3
72.5°	126.1
75°	105.9
77.5°	87.2
80°	70.1
82.5°	54.5
85°	40.5
87.5°	15.6
90°	0.0

(END OF REPORT)