

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: P525899

Luminaire Tested: **IFLD-S-SA3A-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525899
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

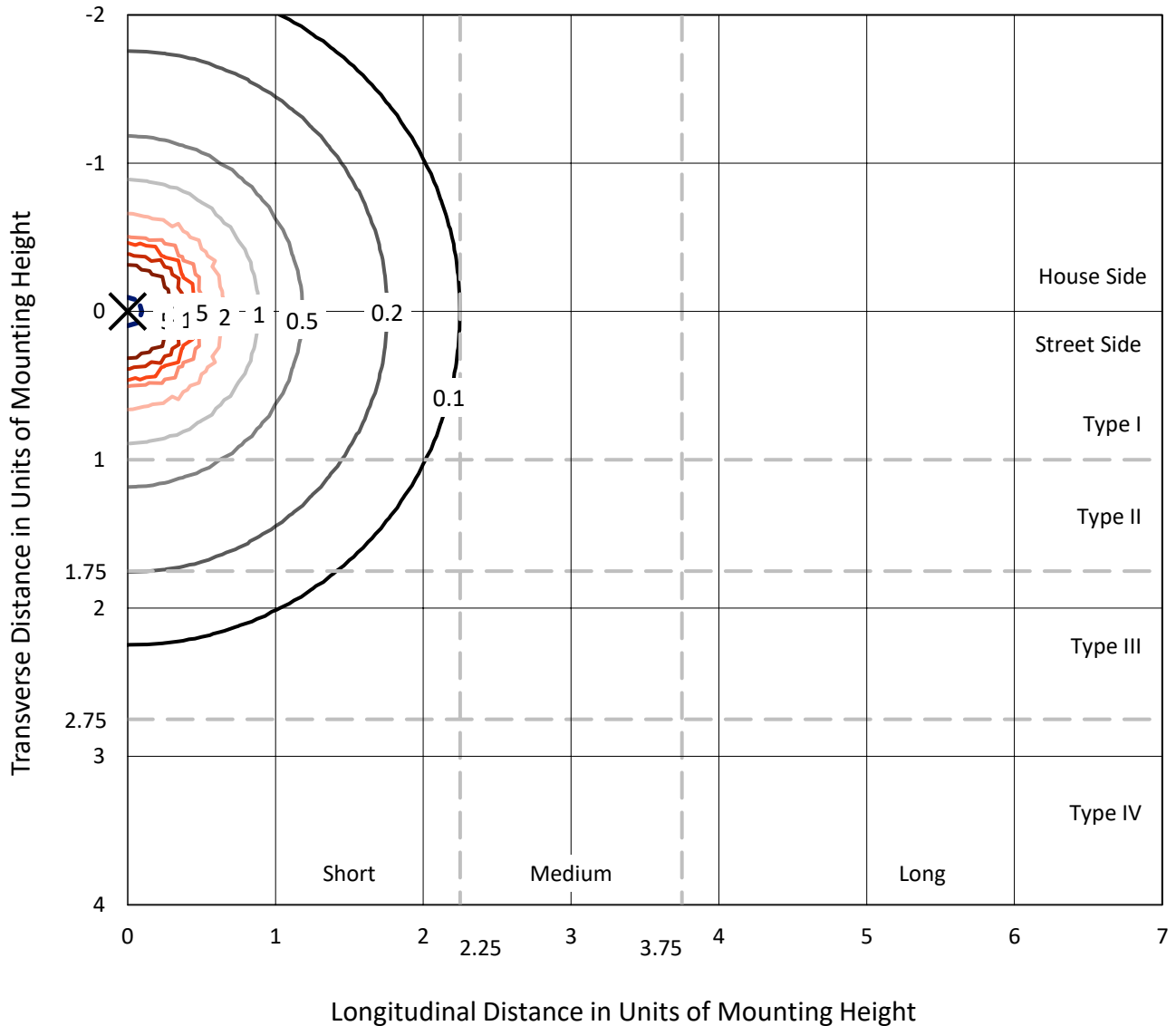
Lumens per Lamp: N/A
Luminaire Lumens: 9333.9 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8
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: P525899
 CATALOG NUMBER: IFLD-S-SA3A-935-U-22

Iso-Footcandle Lines of Horizontal Illumination

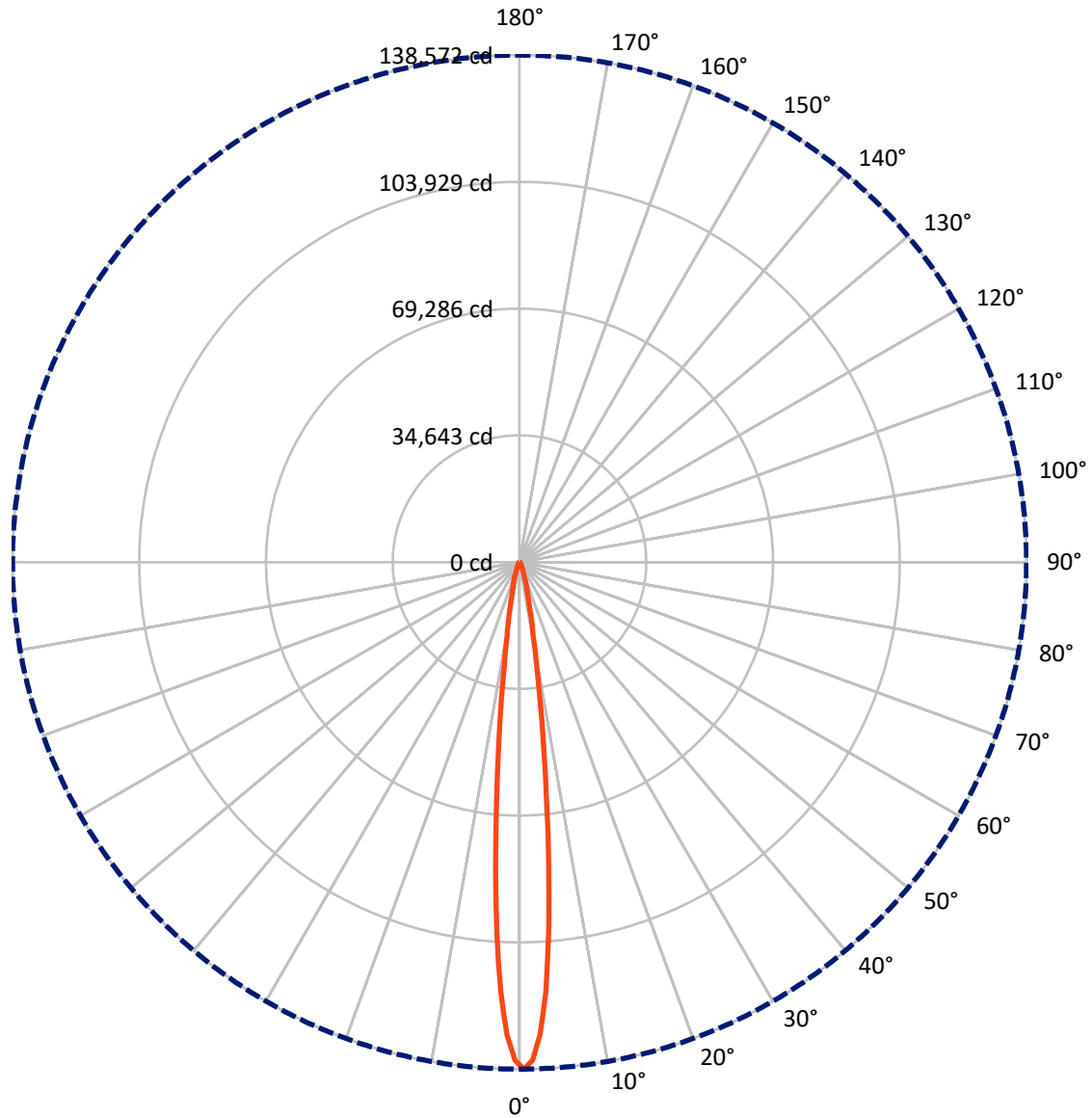
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1385.7 fc
 Type V - Short - N/A

REPORT NUMBER: P525899
CATALOG NUMBER: IFLD-S-SA3A-935-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525899

CATALOG NUMBER: IFLD-S-SA3A-935-U-22

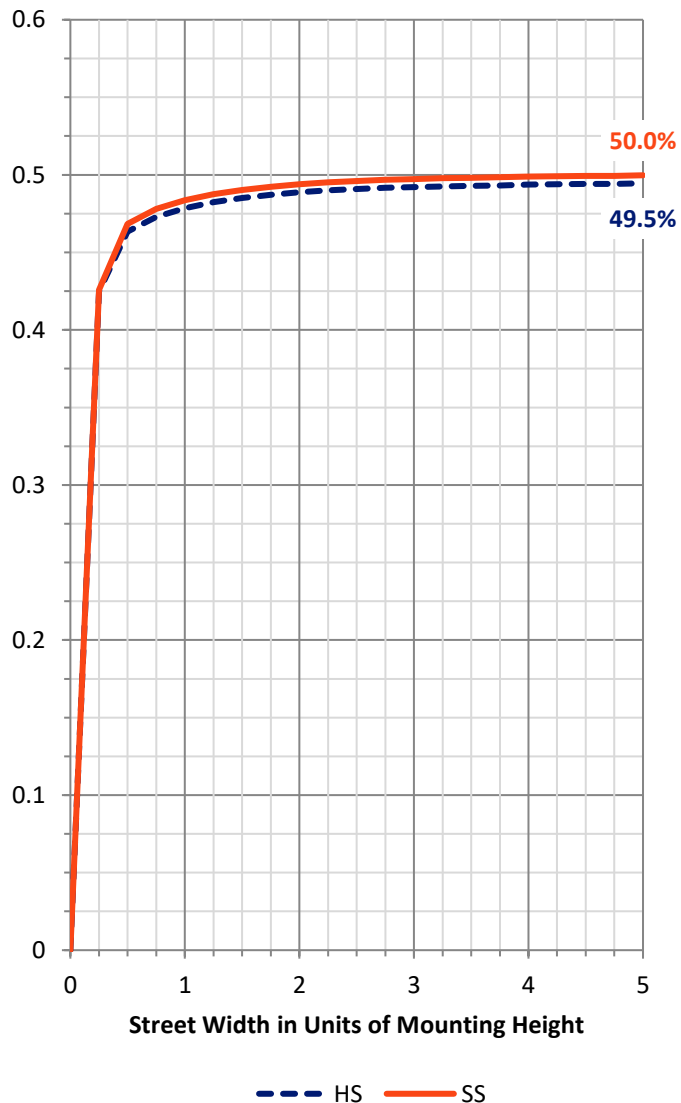
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4666.9	0.0	4666.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4666.9	0.0	4666.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9333.9	0.0	9333.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5727.1	61.4
10°-20°	2278.9	24.4
20°-30°	525.5	5.6
30°-40°	199.5	2.1
40°-50°	162.8	1.7
50°-60°	156.3	1.7
60°-70°	149.8	1.6
70°-80°	99.1	1.1
80°-90°	34.8	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°	9333.9	100.0
0°-180°	9333.9	100.0

Coefficient of Utilization



REPORT NUMBER: P525899

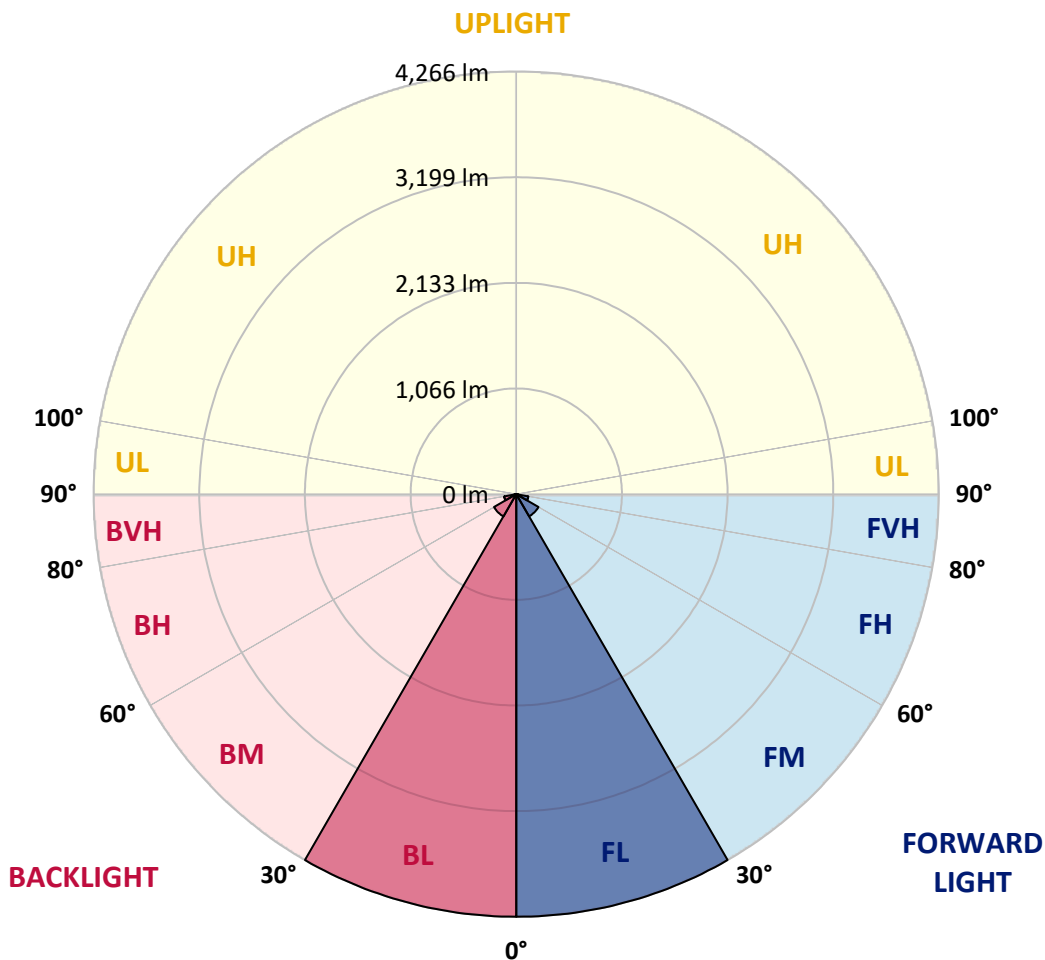
CATALOG NUMBER: IFLD-S-SA3A-935-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4265.7	45.7			
FM (30°-60°)	259.3	2.8			
FH (60°-80°)	124.5	1.3			G0/660
FVH (80°-90°)	17.4	0.2			G1/100
BL (0°-30°)	4265.7	45.7	B4/5000		
BM (30°-60°)	259.3	2.8	B1/1000		
BH (60°-80°)	124.5	1.3	B1/500		G0/660
BVH (80°-90°)	17.4	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: P525899
CATALOG NUMBER: IFLD-S-SA3A-935-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	138571.7
1°	136134.0
2°	129305.7
3°	117577.4
4°	101451.7
5°	83269.0
6°	65464.3
7°	50149.3
8°	37429.5
9°	27906.1
10°	20810.7
12.5°	11342.1
15°	7277.5
17.5°	4911.0
20°	2919.7
22.5°	1624.2
25°	928.5
27.5°	588.9
30°	424.5
32.5°	346.5
35°	308.1
37.5°	286.2
40°	257.5
42.5°	228.7
45°	204.1
47.5°	191.7
50°	183.5
52.5°	178.0
55°	173.9
57.5°	171.2
60°	165.7
62.5°	161.6
65°	153.4
67.5°	142.4
70°	128.7
72.5°	110.9
75°	93.1
77.5°	76.7
80°	61.6
82.5°	47.9
85°	35.6
87.5°	13.7
90°	0.0

(END OF REPORT)