

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: P525979

Luminaire Tested: **IFLD-S-SA3C-950-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525979
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-950-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

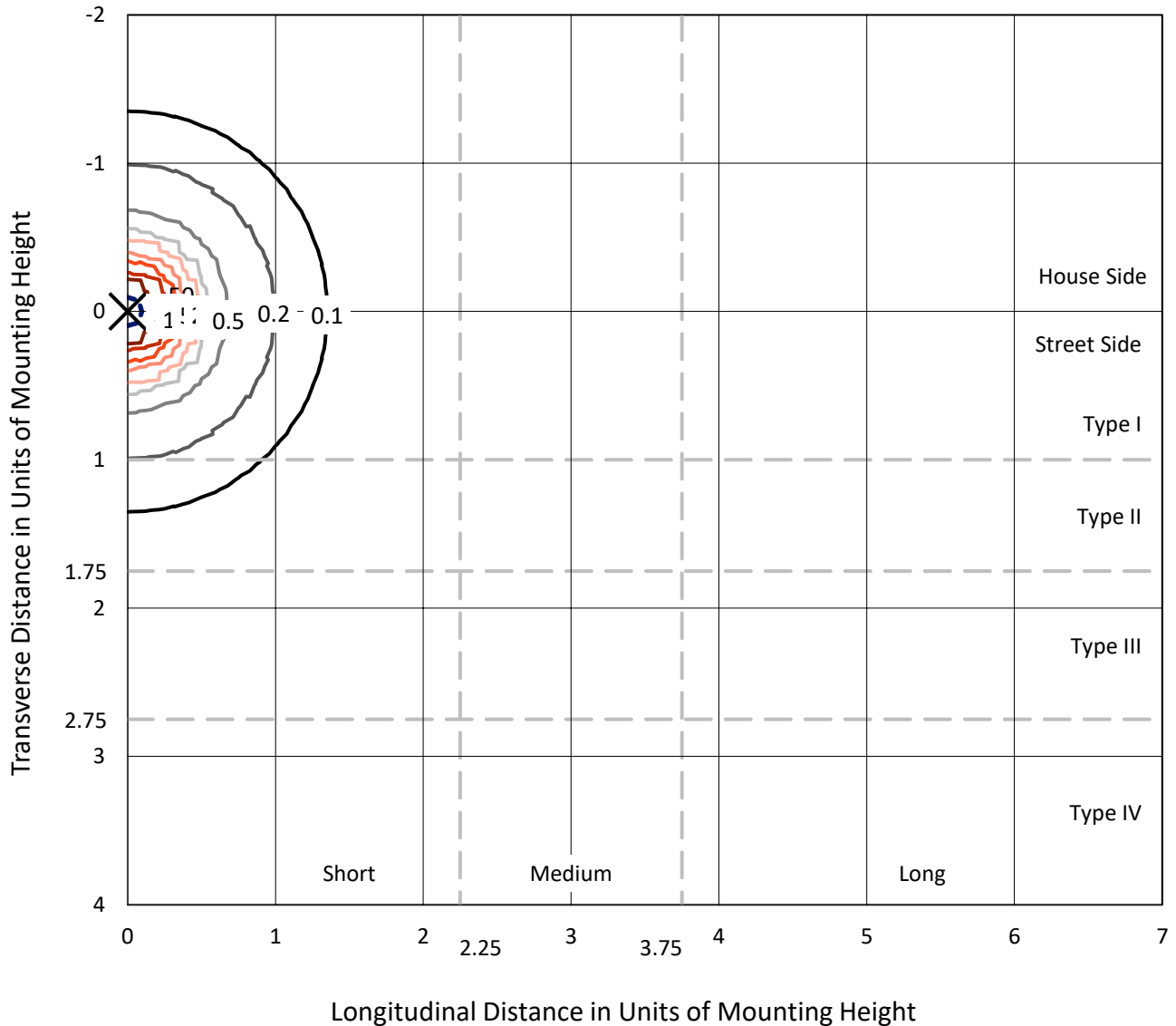
Lumens per Lamp: N/A
Luminaire Lumens: 15638.4 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 160.8
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: P525979
 CATALOG NUMBER: IFLD-S-SA3C-950-U-22

Iso-Footcandle Lines of Horizontal Illumination

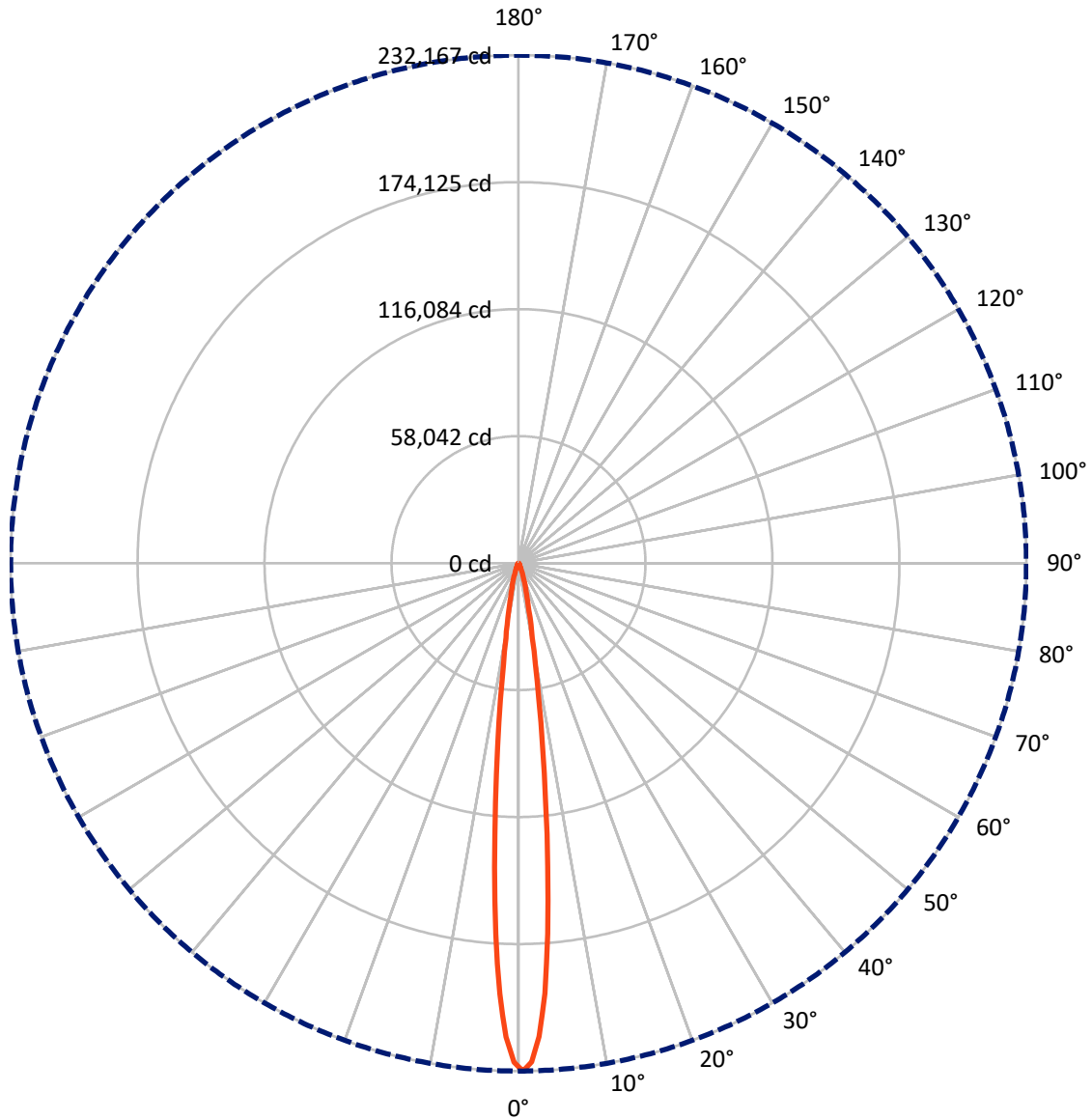
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 371.5 fc
 Type V - Short - N/A

REPORT NUMBER: P525979
CATALOG NUMBER: IFLD-S-SA3C-950-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525979

CATALOG NUMBER: IFLD-S-SA3C-950-U-22

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7819.2	0.0	7819.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7819.2	0.0	7819.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	15638.4	0.0	15638.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9595.4	61.4
10°-20°	3818.1	24.4
20°-30°	880.4	5.6
30°-40°	334.2	2.1
40°-50°	272.8	1.7
50°-60°	262.0	1.7
60°-70°	251.0	1.6
70°-80°	166.2	1.1
80°-90°	58.4	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°	15638.4	100.0
0°-180°	15638.4	100.0

Coefficient of Utilization



REPORT NUMBER: P525979

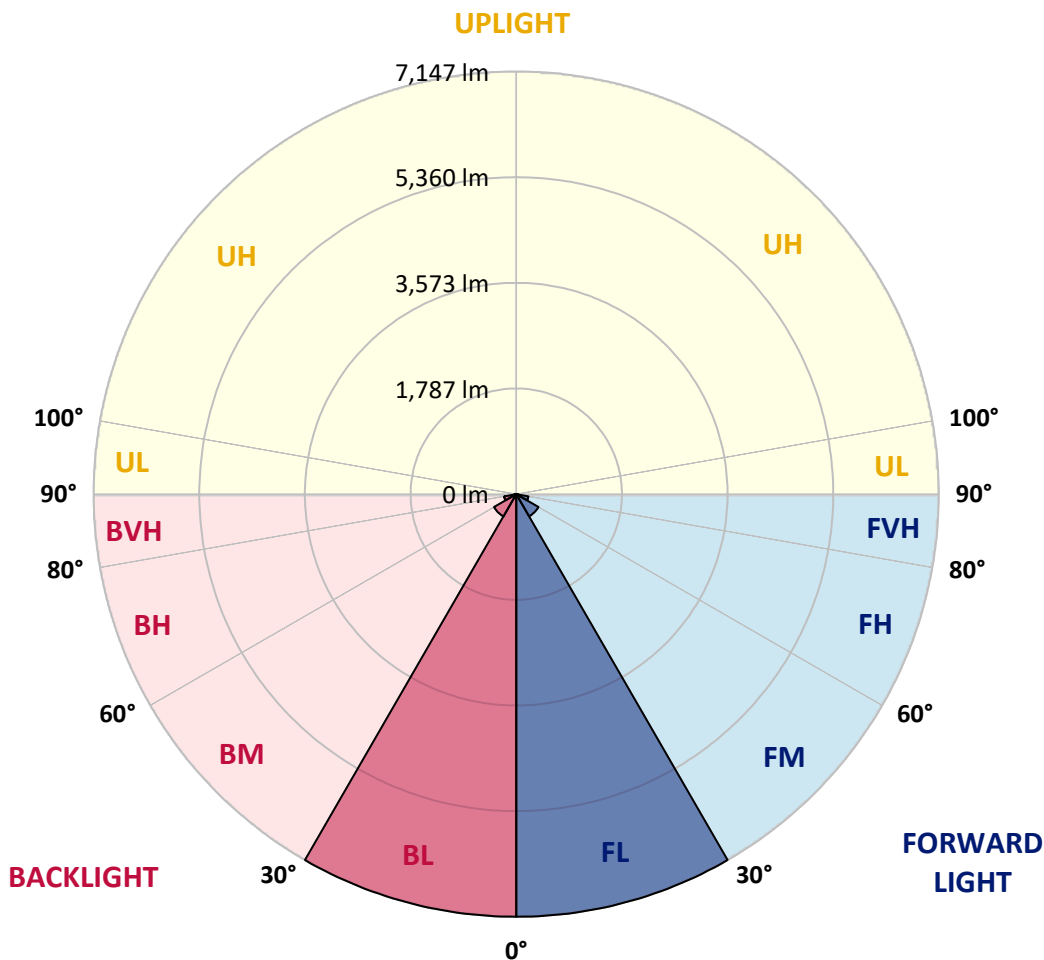
CATALOG NUMBER: IFLD-S-SA3C-950-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7146.9	45.7			
FM (30°-60°)	434.5	2.8			
FH (60°-80°)	208.6	1.3			G0/660
FVH (80°-90°)	29.2	0.2			G1/100
BL (0°-30°)	7146.9	45.7	B5		
BM (30°-60°)	434.5	2.8	B1/1000		
BH (60°-80°)	208.6	1.3	B1/500		G0/660
BVH (80°-90°)	29.2	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: P525979
CATALOG NUMBER: IFLD-S-SA3C-950-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	232167.2
1°	228083.0
2°	216642.7
3°	196992.8
4°	169975.2
5°	139511.4
6°	109680.8
7°	84021.6
8°	62710.5
9°	46754.7
10°	34867.0
12.5°	19002.9
15°	12192.9
17.5°	8228.0
20°	4891.8
22.5°	2721.3
25°	1555.7
27.5°	986.6
30°	711.3
32.5°	580.5
35°	516.3
37.5°	479.5
40°	431.4
42.5°	383.2
45°	341.9
47.5°	321.2
50°	307.5
52.5°	298.3
55°	291.4
57.5°	286.8
60°	277.6
62.5°	270.7
65°	257.0
67.5°	238.6
70°	215.7
72.5°	185.9
75°	156.0
77.5°	128.5
80°	103.3
82.5°	80.3
85°	59.7
87.5°	22.9
90°	0.0

(END OF REPORT)