

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: P525863

Luminaire Tested: **IFLD-S-SA3D-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525863
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-930-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22
distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

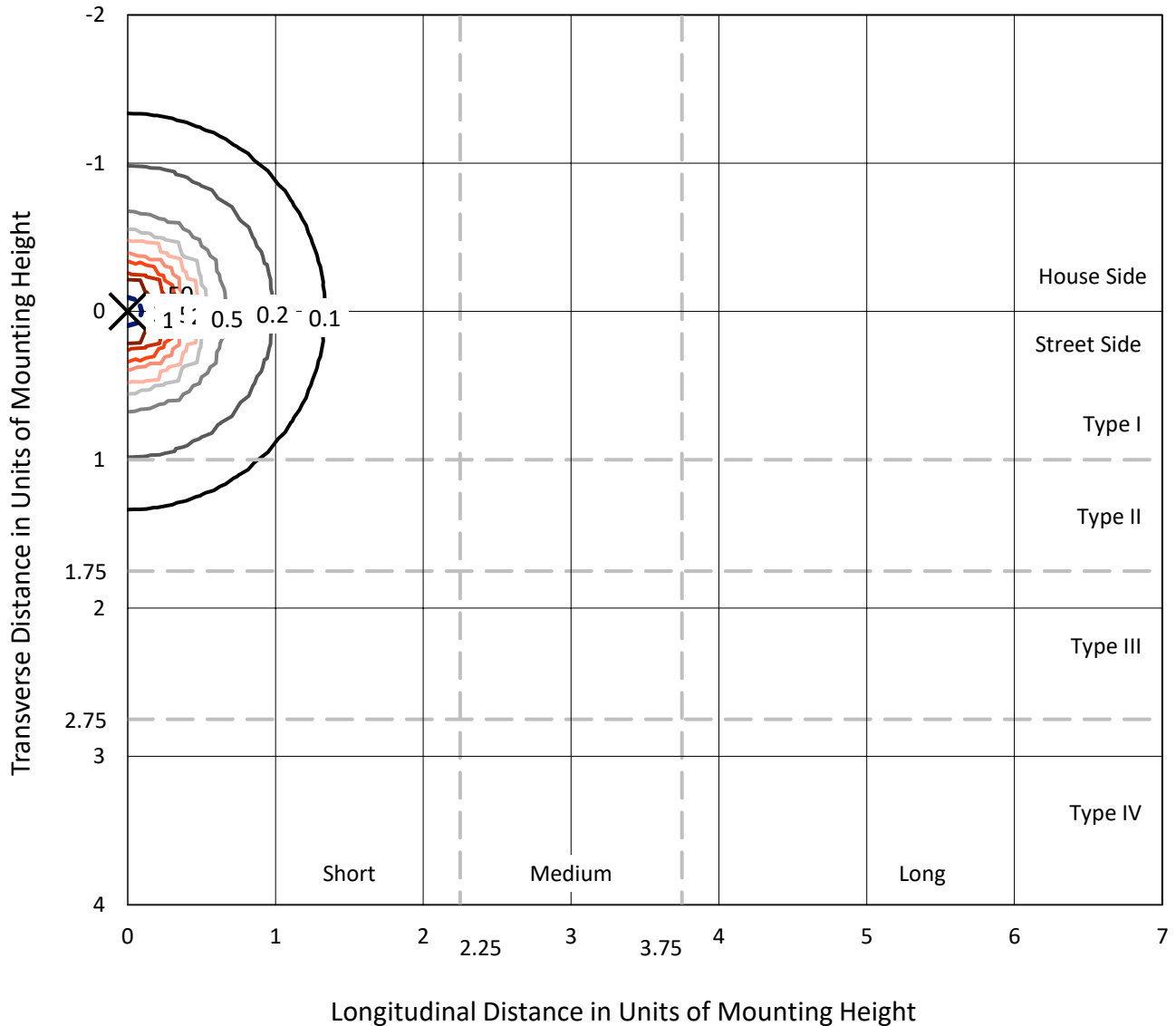
Lumens per Lamp: N/A
Luminaire Lumens: 15240.5 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 184.1
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: P525863
 CATALOG NUMBER: IFLD-S-SA3D-930-U-22

Iso-Footcandle Lines of Horizontal Illumination

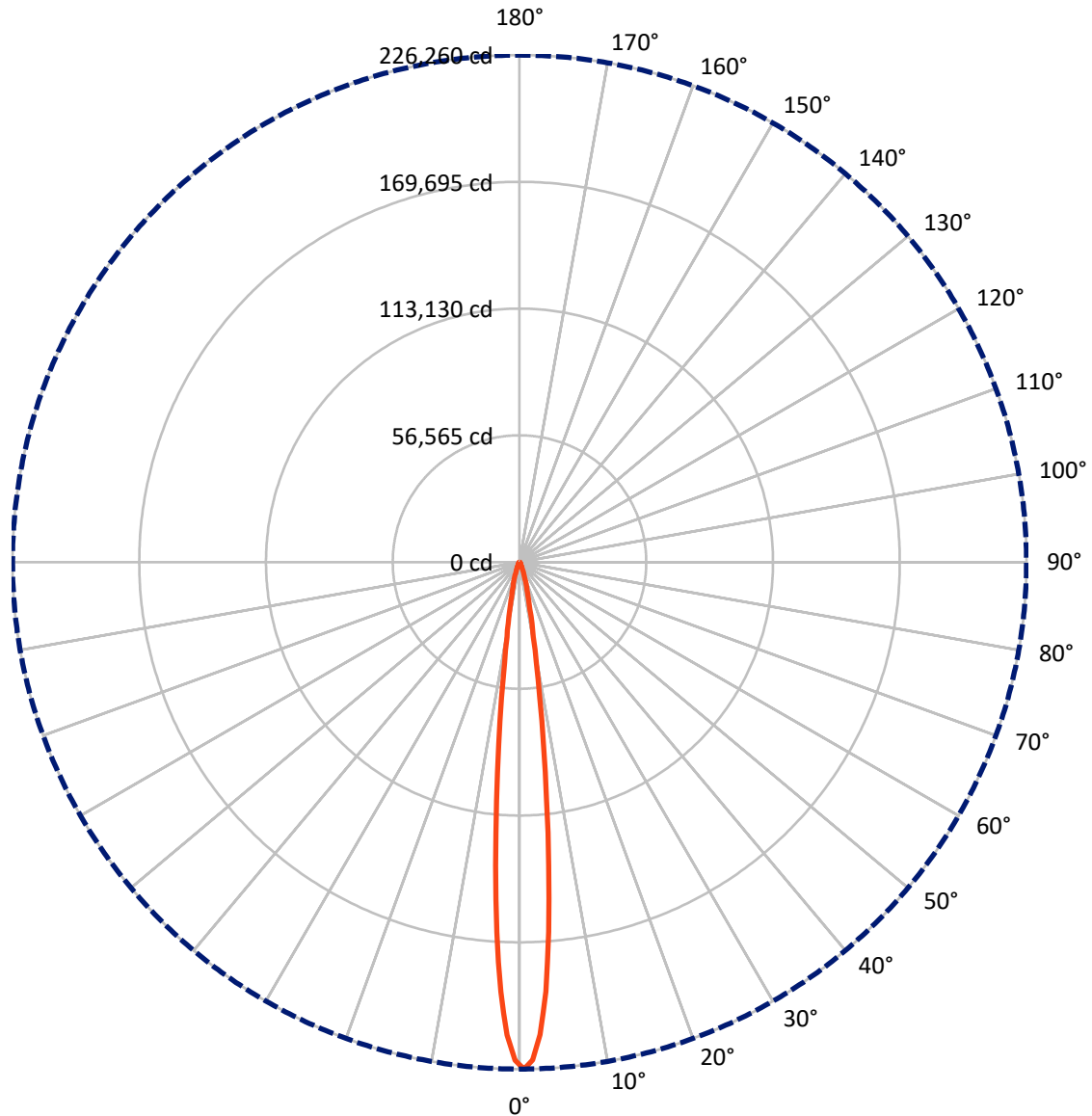
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 362 fc
 Type V - Short - N/A

REPORT NUMBER: P525863
CATALOG NUMBER: IFLD-S-SA3D-930-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525863
 CATALOG NUMBER: IFLD-S-SA3D-930-U-22

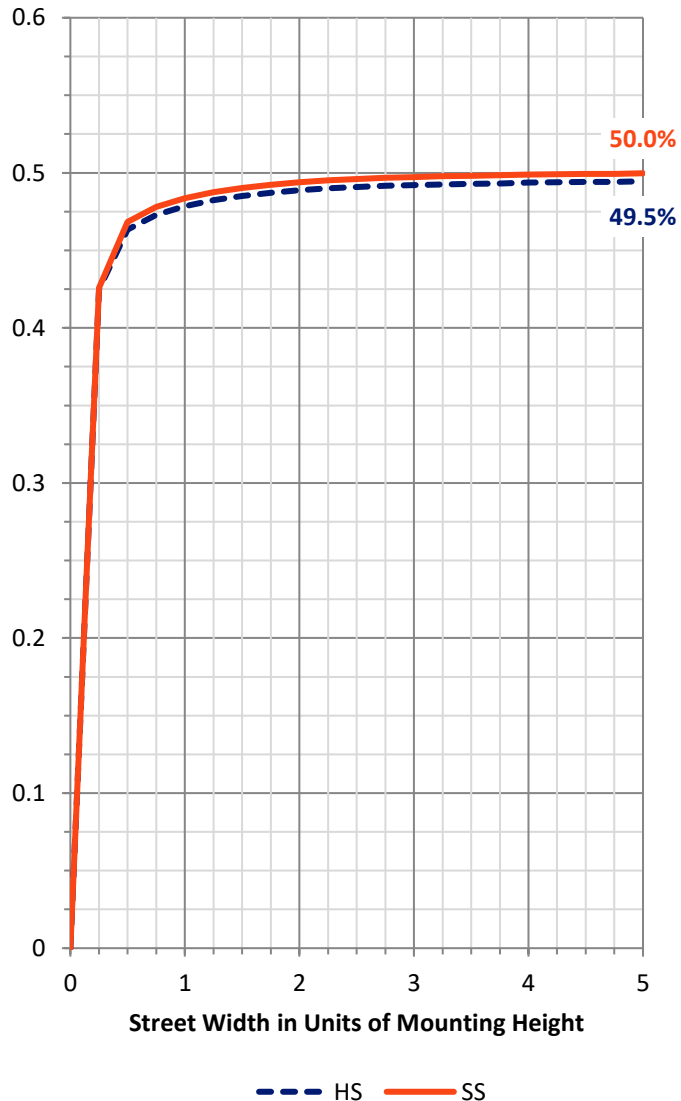
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7620.2	0.0	7620.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7620.2	0.0	7620.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	15240.5	0.0	15240.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9351.2	61.4
10°-20°	3721.0	24.4
20°-30°	858.0	5.6
30°-40°	325.7	2.1
40°-50°	265.8	1.7
50°-60°	255.3	1.7
60°-70°	244.6	1.6
70°-80°	161.9	1.1
80°-90°	56.9	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°	15240.5	100.0
0°-180°	15240.5	100.0

Coefficient of Utilization



REPORT NUMBER: P525863

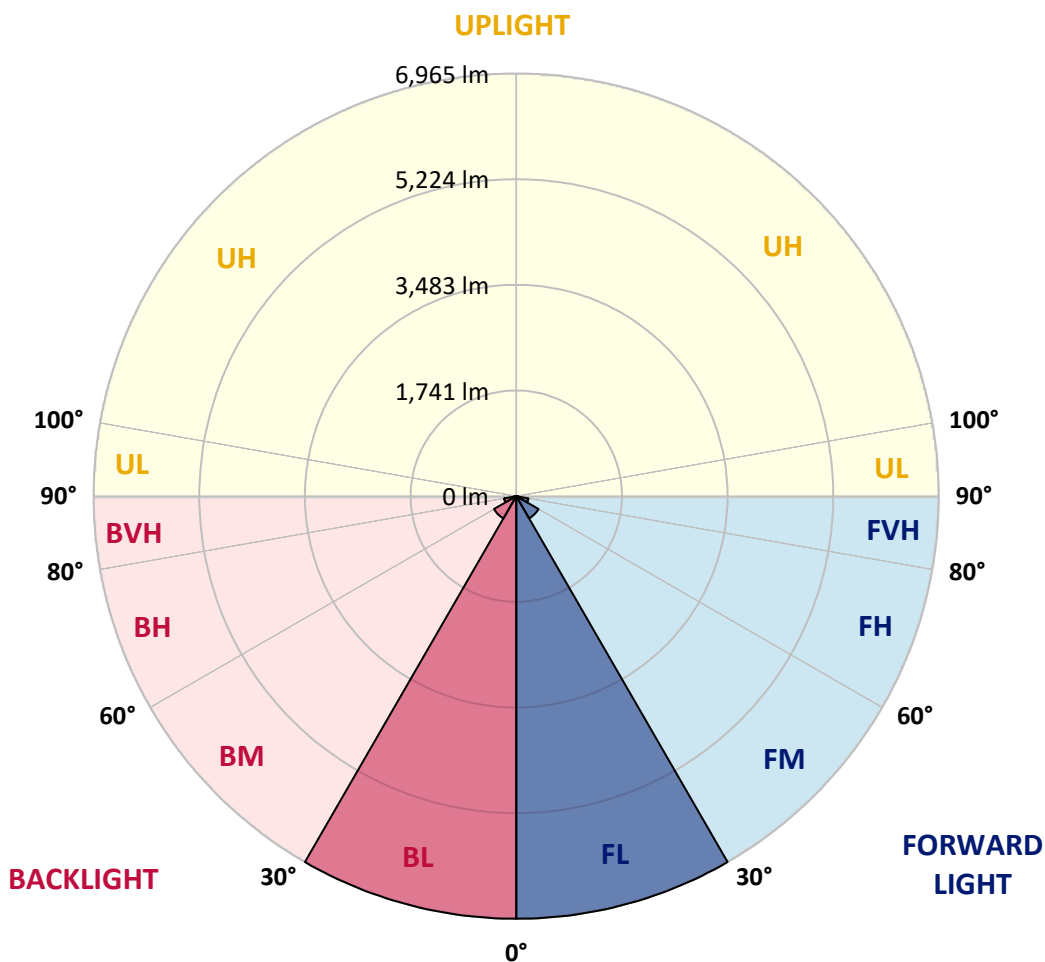
CATALOG NUMBER: IFLD-S-SA3D-930-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6965.1	45.7			
FM (30°-60°)	423.4	2.8			
FH (60°-80°)	203.3	1.3			G0/660
FVH (80°-90°)	28.5	0.2			G1/100
BL (0°-30°)	6965.1	45.7	B5		
BM (30°-60°)	423.4	2.8	B1/1000		
BH (60°-80°)	203.3	1.3	B1/500		G0/660
BVH (80°-90°)	28.5	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: P525863
CATALOG NUMBER: IFLD-S-SA3D-930-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	226259.8
1°	222279.6
2°	211130.4
3°	191980.4
4°	165650.3
5°	135961.6
6°	106890.1
7°	81883.8
8°	61114.9
9°	45565.0
10°	33979.8
12.5°	18519.4
15°	11882.6
17.5°	8018.7
20°	4767.4
22.5°	2652.0
25°	1516.1
27.5°	961.5
30°	693.2
32.5°	565.7
35°	503.1
37.5°	467.3
40°	420.4
42.5°	373.4
45°	333.2
47.5°	313.1
50°	299.6
52.5°	290.7
55°	284.0
57.5°	279.5
60°	270.6
62.5°	263.9
65°	250.4
67.5°	232.6
70°	210.2
72.5°	181.1
75°	152.1
77.5°	125.2
80°	100.6
82.5°	78.3
85°	58.1
87.5°	22.4
90°	0.0

(END OF REPORT)