

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: P525823

Luminaire Tested: **IFLD-S-SA3C-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525823
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

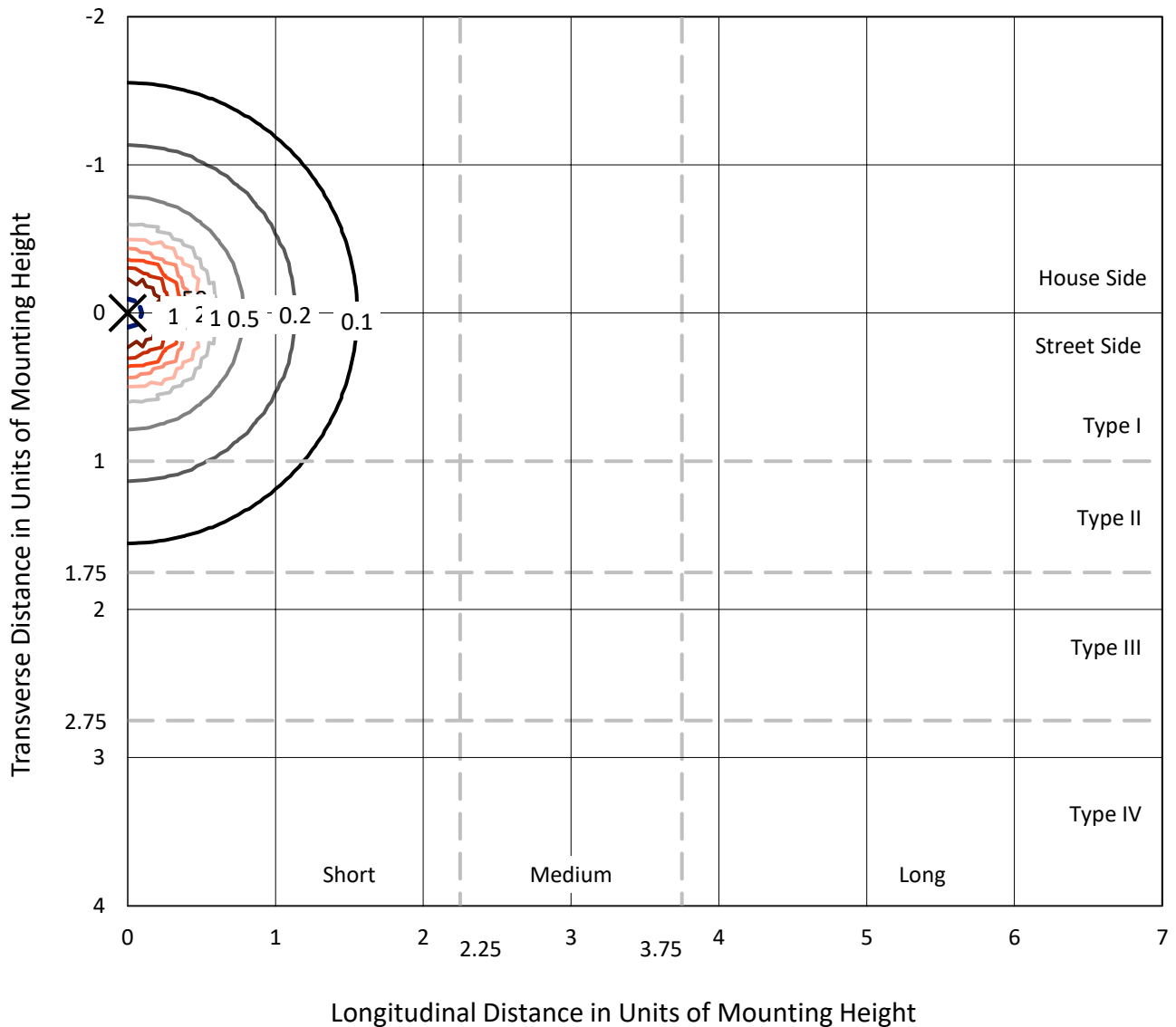
Lumens per Lamp: N/A
Luminaire Lumens: 13700.8 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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: P525823
 CATALOG NUMBER: IFLD-S-SA3C-927-U-22

Iso-Footcandle Lines of Horizontal Illumination

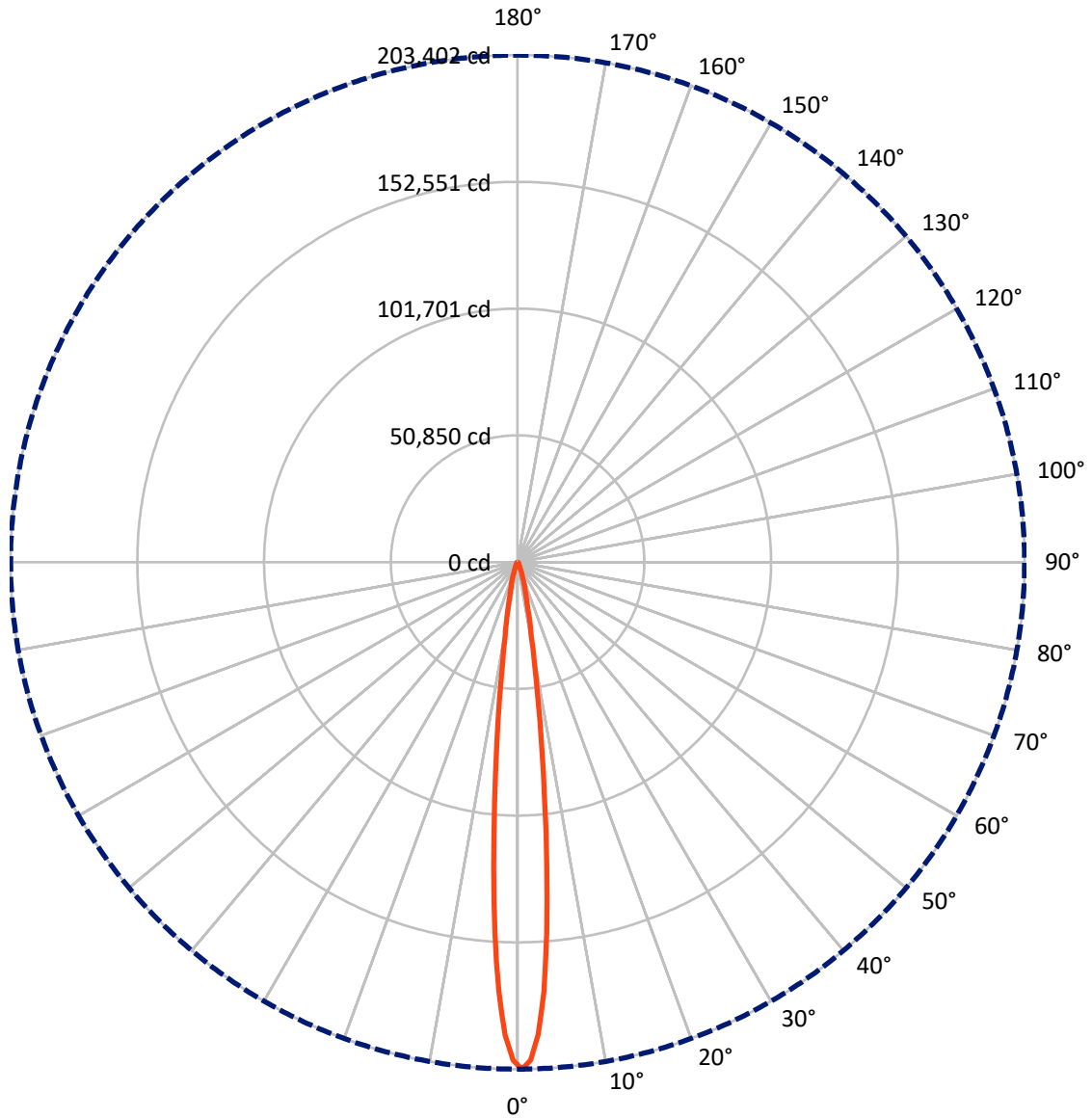
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 508.5 fc
 Type V - Short - N/A

REPORT NUMBER: P525823
CATALOG NUMBER: IFLD-S-SA3C-927-U-22

Luminous Intensity Polar Plot



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

REPORT NUMBER: P525823

CATALOG NUMBER: IFLD-S-SA3C-927-U-22

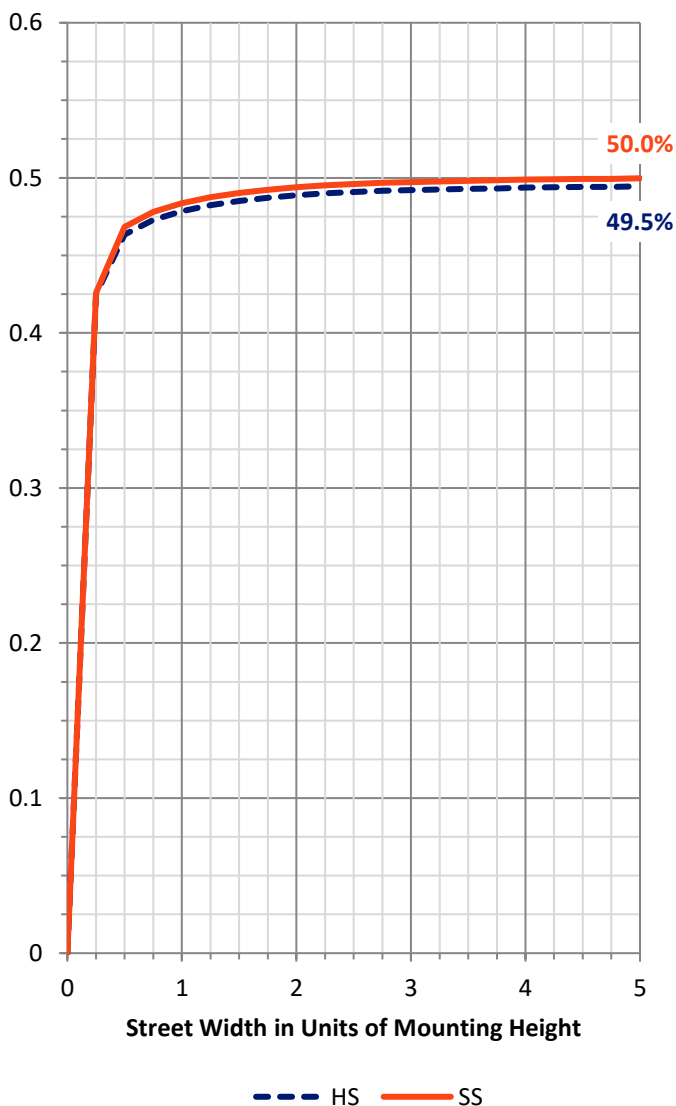
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6850.4	0.0	6850.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6850.4	0.0	6850.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	13700.8	0.0	13700.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8406.5	61.4
10°-20°	3345.1	24.4
20°-30°	771.3	5.6
30°-40°	292.8	2.1
40°-50°	239.0	1.7
50°-60°	229.5	1.7
60°-70°	219.9	1.6
70°-80°	145.6	1.1
80°-90°	51.2	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°	13700.8	100.0
0°-180°	13700.8	100.0

Coefficient of Utilization



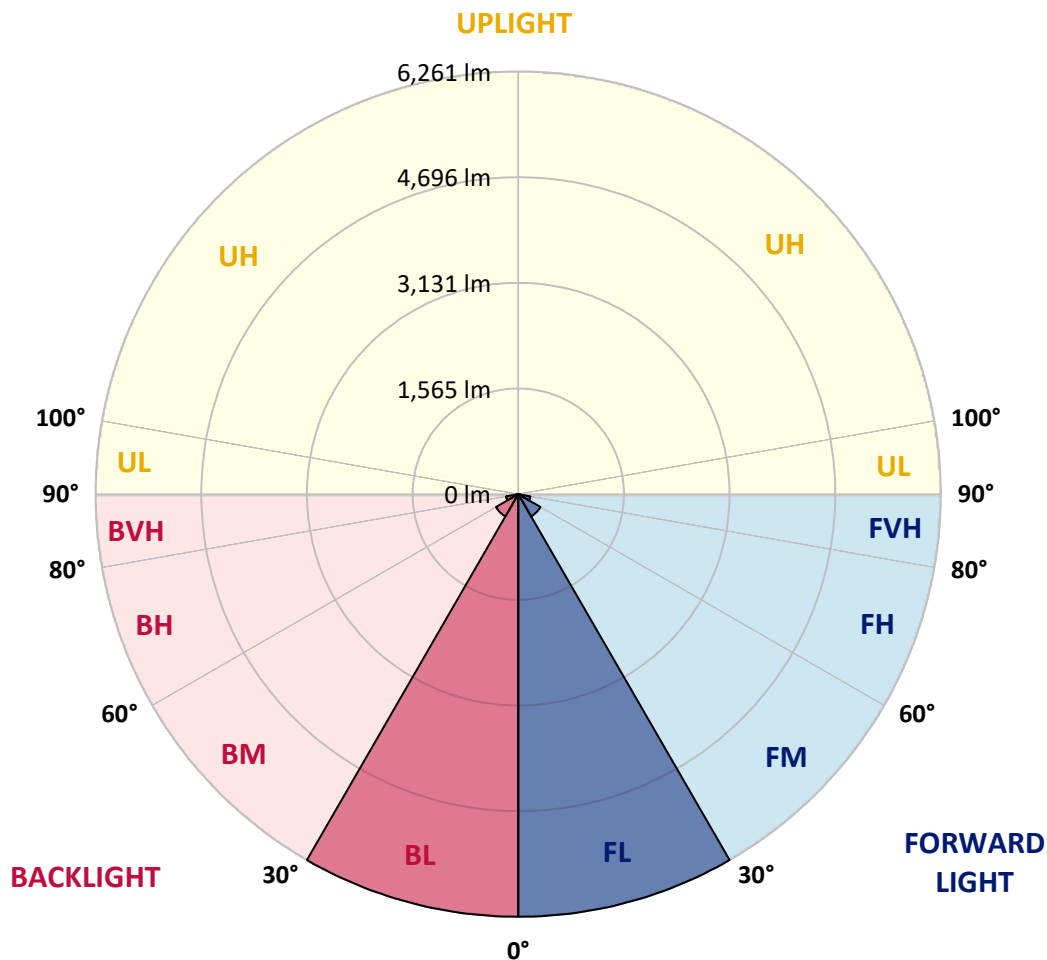
REPORT NUMBER: P525823
 CATALOG NUMBER: IFLD-S-SA3C-927-U-22

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6261.4	45.7			
FM (30°-60°)	380.7	2.8			
FH (60°-80°)	182.7	1.3			G0/660
FVH (80°-90°)	25.6	0.2			G1/100
BL (0°-30°)	6261.4	45.7	B5		
BM (30°-60°)	380.7	2.8	B1/1000		
BH (60°-80°)	182.7	1.3	B1/500		G0/660
BVH (80°-90°)	25.6	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: P525823
CATALOG NUMBER: IFLD-S-SA3C-927-U-22

CANDELA DISTRIBUTION (FULL):

	0°
0°	203401.7
1°	199823.5
2°	189800.7
3°	172585.4
4°	148915.3
5°	122225.9
6°	96091.4
7°	73611.4
8°	54940.7
9°	40961.8
10°	30546.9
12.5°	16648.4
15°	10682.2
17.5°	7208.6
20°	4285.7
22.5°	2384.1
25°	1362.9
27.5°	864.4
30°	623.2
32.5°	508.6
35°	452.3
37.5°	420.1
40°	377.9
42.5°	335.7
45°	299.5
47.5°	281.4
50°	269.4
52.5°	261.3
55°	255.3
57.5°	251.3
60°	243.2
62.5°	237.2
65°	225.1
67.5°	209.1
70°	189.0
72.5°	162.8
75°	136.7
77.5°	112.6
80°	90.5
82.5°	70.4
85°	52.3
87.5°	20.1
90°	0.0

(END OF REPORT)