

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: P525850

Luminaire Tested: **IFLD-L-SA7E-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525850  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-927-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

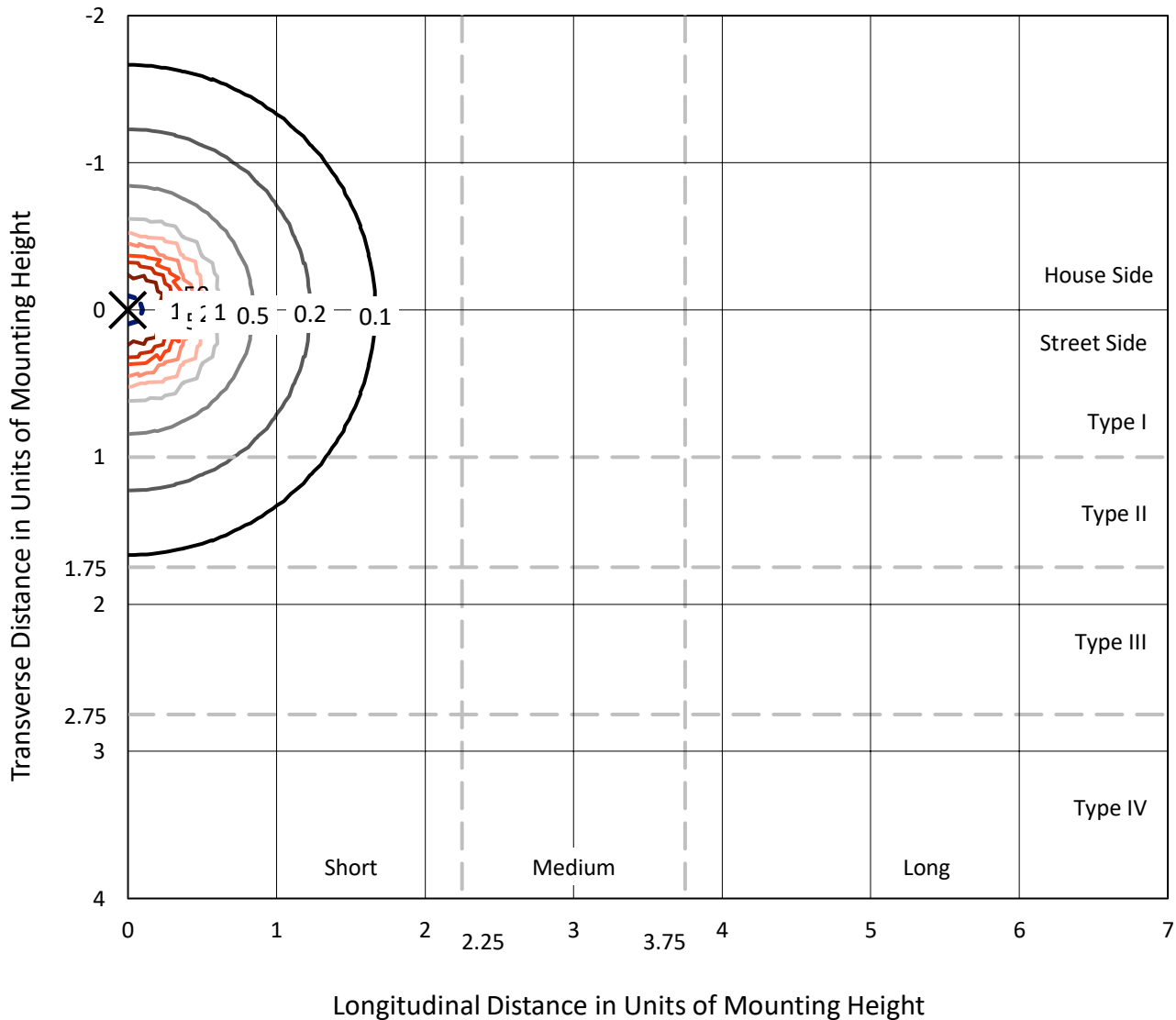
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36513.5 lumens  
Efficiency: N/A  
Efficacy: 68.5 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): 532.7  
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: P525850  
 CATALOG NUMBER: IFLD-L-SA7E-927-U-22

### Iso-Footcandle Lines of Horizontal Illumination

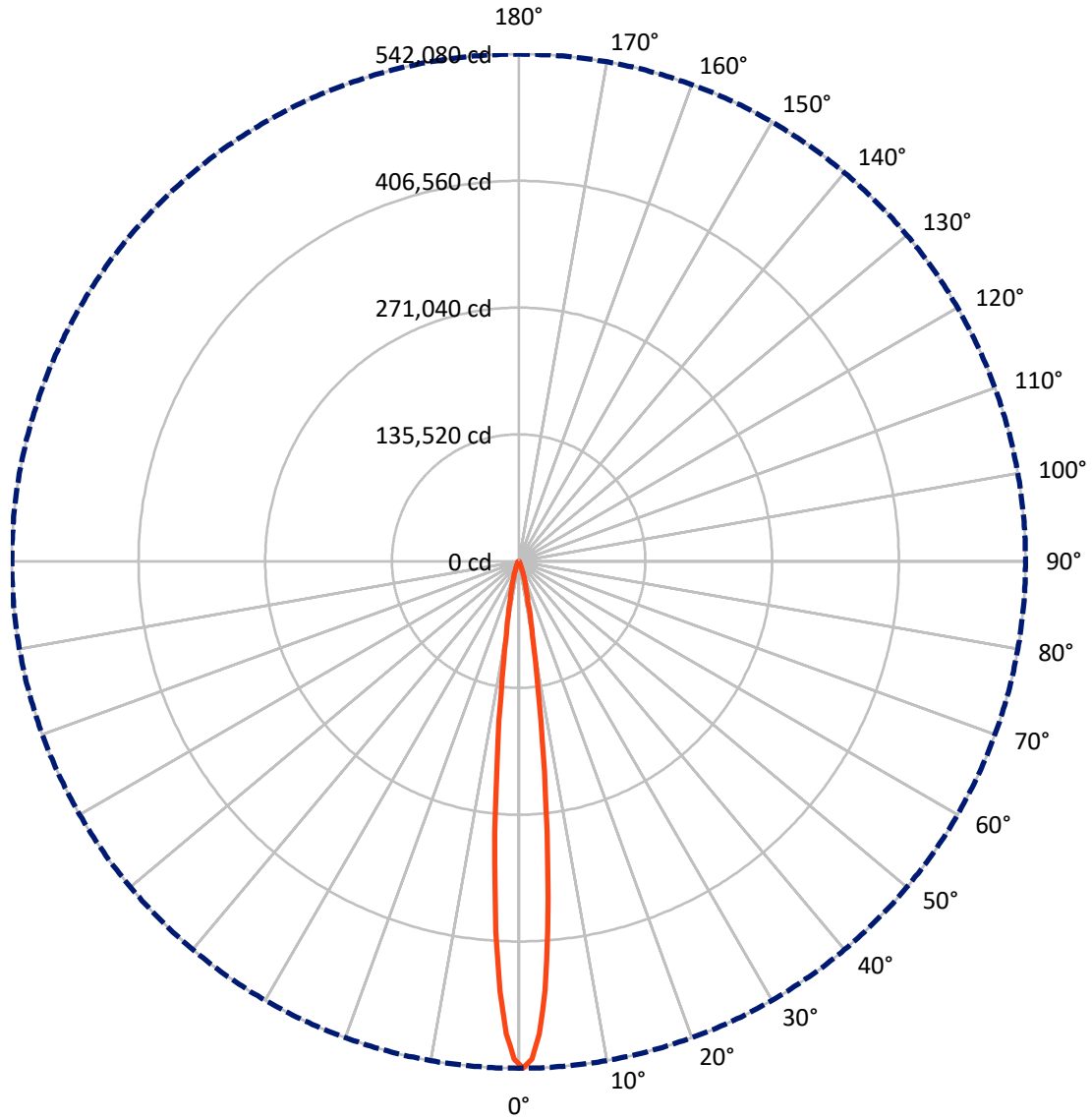
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 602.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P525850  
CATALOG NUMBER: IFLD-L-SA7E-927-U-22

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P525850  
 CATALOG NUMBER: IFLD-L-SA7E-927-U-22

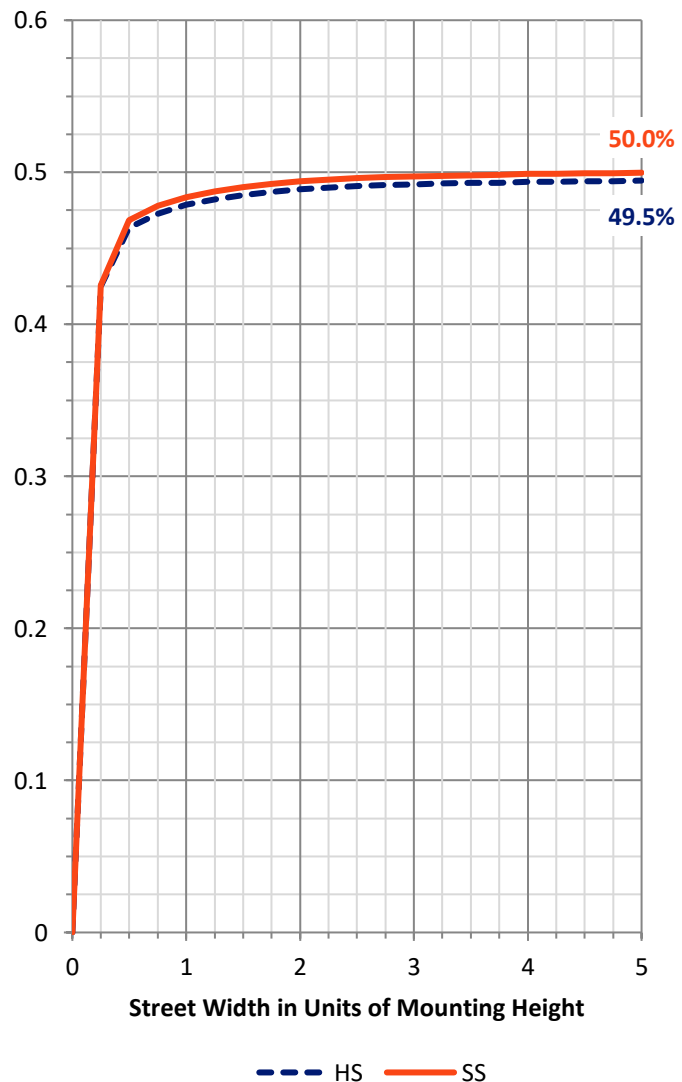
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18256.8	0.0	18256.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18256.8	0.0	18256.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36513.5	0.0	36513.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22403.9	61.4
10°-20°	8914.8	24.4
20°-30°	2055.5	5.6
30°-40°	780.4	2.1
40°-50°	636.9	1.7
50°-60°	611.7	1.7
60°-70°	586.0	1.6
70°-80°	387.9	1.1
80°-90°	136.3	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°	36513.5	100.0
0°-180°	36513.5	100.0

**Coefficient of Utilization**

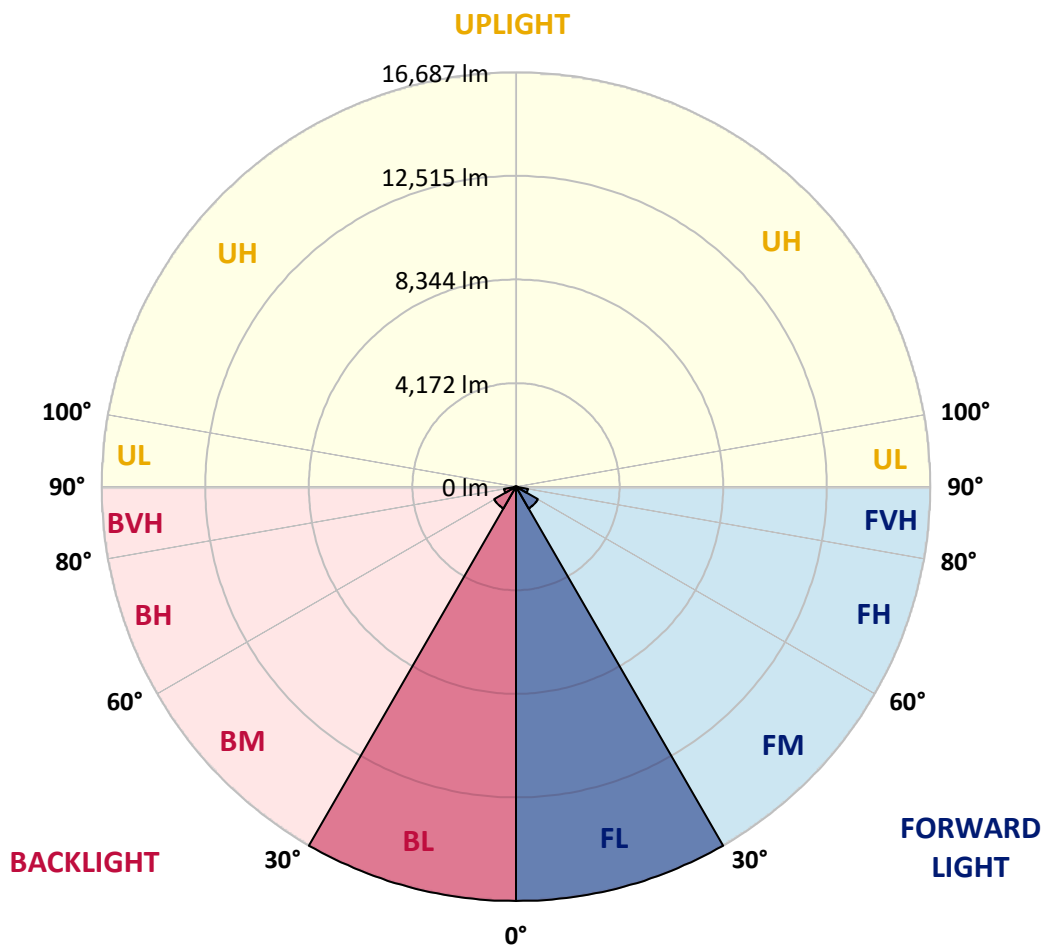


REPORT NUMBER: P525850  
 CATALOG NUMBER: IFLD-L-SA7E-927-U-22

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16687.1	45.7			
FM (30°-60°)	1014.5	2.8			
FH (60°-80°)	487.0	1.3			G0/660
FVH (80°-90°)	68.2	0.2			G1/100
BL (0°-30°)	16687.1	45.7	B5		
BM (30°-60°)	1014.5	2.8	B2/2500		
BH (60°-80°)	487.0	1.3	B1/500		G0/660
BVH (80°-90°)	68.2	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: P525850  
CATALOG NUMBER: IFLD-L-SA7E-927-U-22

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	542079.5
1°	532543.5
2°	505831.9
3°	459951.9
4°	396869.6
5°	325740.6
6°	256090.2
7°	196179.4
8°	146420.7
9°	109165.9
10°	81409.7
12.5°	44369.2
15°	28468.7
17.5°	19211.3
20°	11421.8
22.5°	6353.8
25°	3632.3
27.5°	2303.6
30°	1660.8
32.5°	1355.4
35°	1205.4
37.5°	1119.7
40°	1007.2
42.5°	894.7
45°	798.2
47.5°	750.0
50°	717.9
52.5°	696.5
55°	680.4
57.5°	669.7
60°	648.2
62.5°	632.2
65°	600.0
67.5°	557.2
70°	503.6
72.5°	433.9
75°	364.3
77.5°	300.0
80°	241.1
82.5°	187.5
85°	139.3
87.5°	53.6
90°	0.0

(END OF REPORT)