

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: P525853

Luminaire Tested: **IFLD-L-SA8C-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525853  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-927-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (128) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

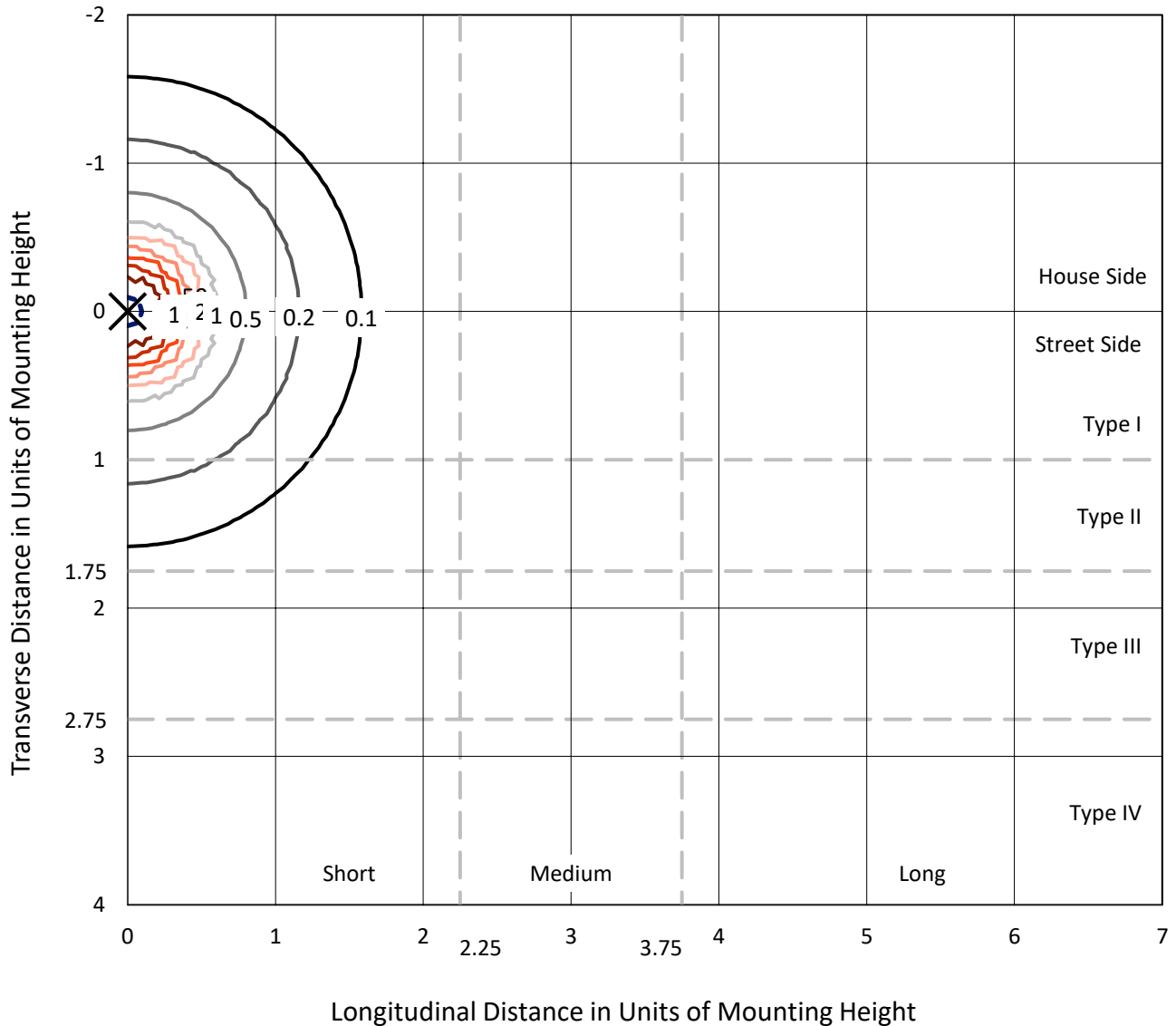
Lumens per Lamp: N/A  
Luminaire Lumens: 32235.3 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3  
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

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### Iso-Footcandle Lines of Horizontal Illumination

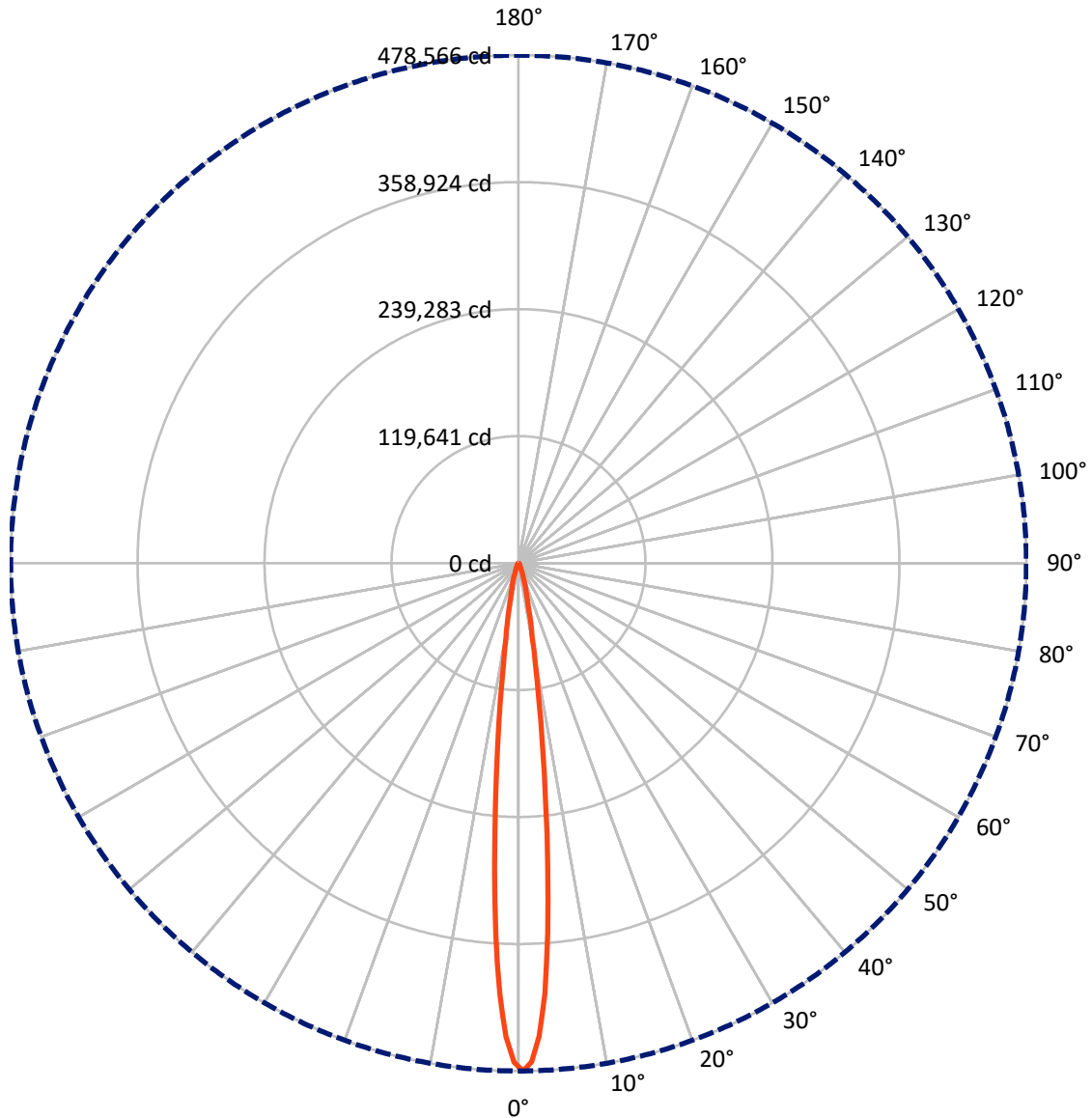
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 531.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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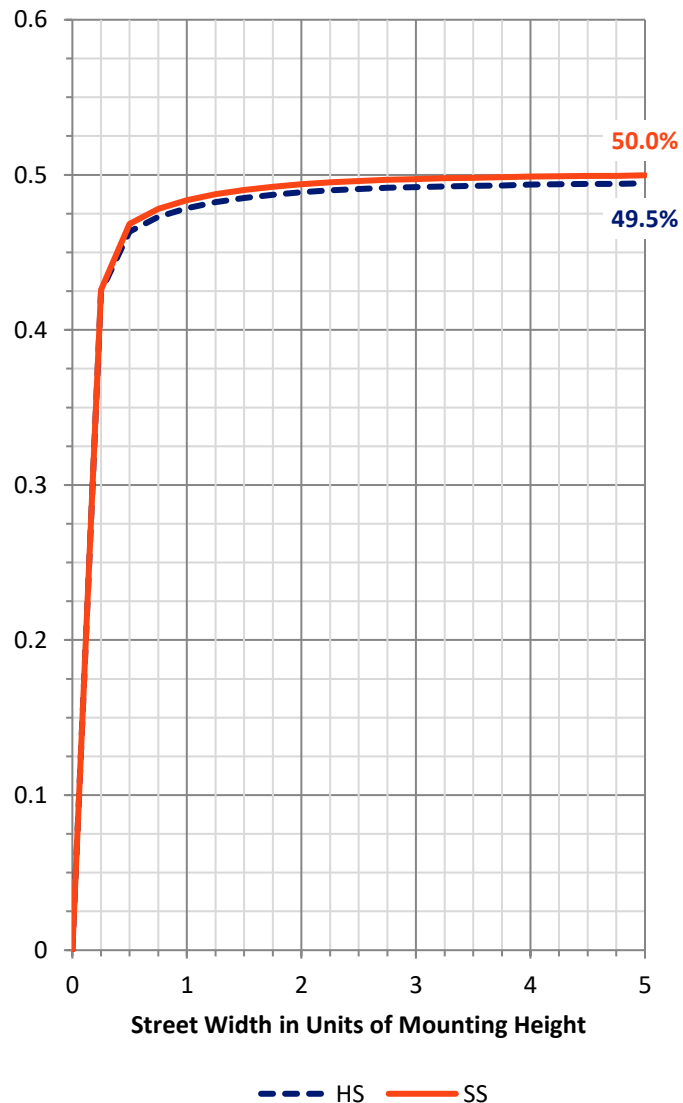
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16117.7	0.0	16117.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16117.7	0.0	16117.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32235.3	0.0	32235.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19778.9	61.4
10°-20°	7870.3	24.4
20°-30°	1814.7	5.6
30°-40°	689.0	2.1
40°-50°	562.3	1.7
50°-60°	540.0	1.7
60°-70°	517.4	1.6
70°-80°	342.5	1.1
80°-90°	120.3	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°	32235.3	100.0
0°-180°	32235.3	100.0

**Coefficient of Utilization**



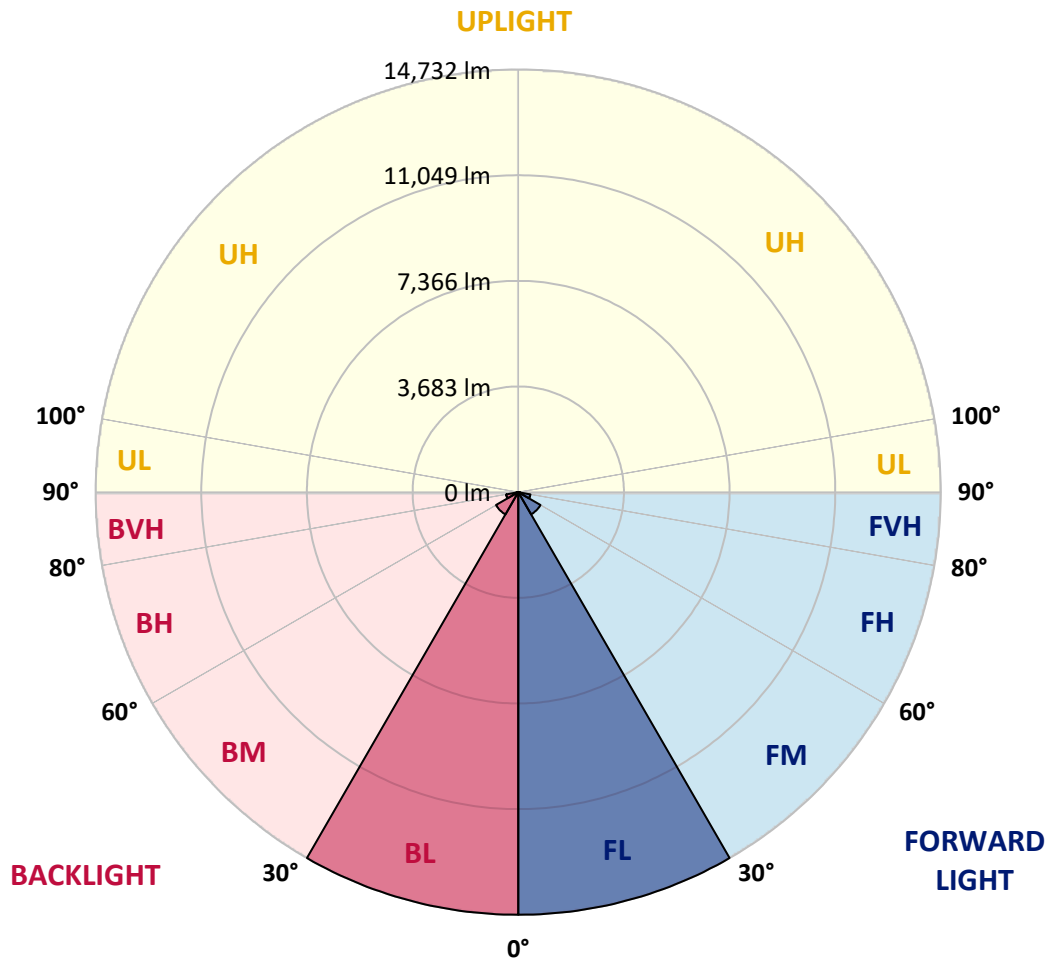
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14732.0	45.7			
FM (30°-60°)	895.6	2.8			
FH (60°-80°)	429.9	1.3			G0/660
FVH (80°-90°)	60.2	0.2			G1/100
BL (0°-30°)	14732.0	45.7	B5		
BM (30°-60°)	895.6	2.8	B1/1000		
BH (60°-80°)	429.9	1.3	B1/500		G0/660
BVH (80°-90°)	60.2	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



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	478565.7
1°	470147.0
2°	446565.1
3°	406060.7
4°	350369.6
5°	287574.5
6°	226084.9
7°	173193.6
8°	129265.0
9°	96375.3
10°	71871.2
12.5°	39170.6
15°	25133.2
17.5°	16960.4
20°	10083.5
22.5°	5609.3
25°	3206.7
27.5°	2033.7
30°	1466.2
32.5°	1196.6
35°	1064.2
37.5°	988.5
40°	889.2
42.5°	789.8
45°	704.7
47.5°	662.1
50°	633.8
52.5°	614.8
55°	600.7
57.5°	591.2
60°	572.3
62.5°	558.1
65°	529.7
67.5°	491.9
70°	444.6
72.5°	383.1
75°	321.6
77.5°	264.9
80°	212.8
82.5°	165.5
85°	123.0
87.5°	47.3
90°	0.0

(END OF REPORT)