

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: P525839

Luminaire Tested: **IFLD-S-SA6D-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525839  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-927-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (96) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

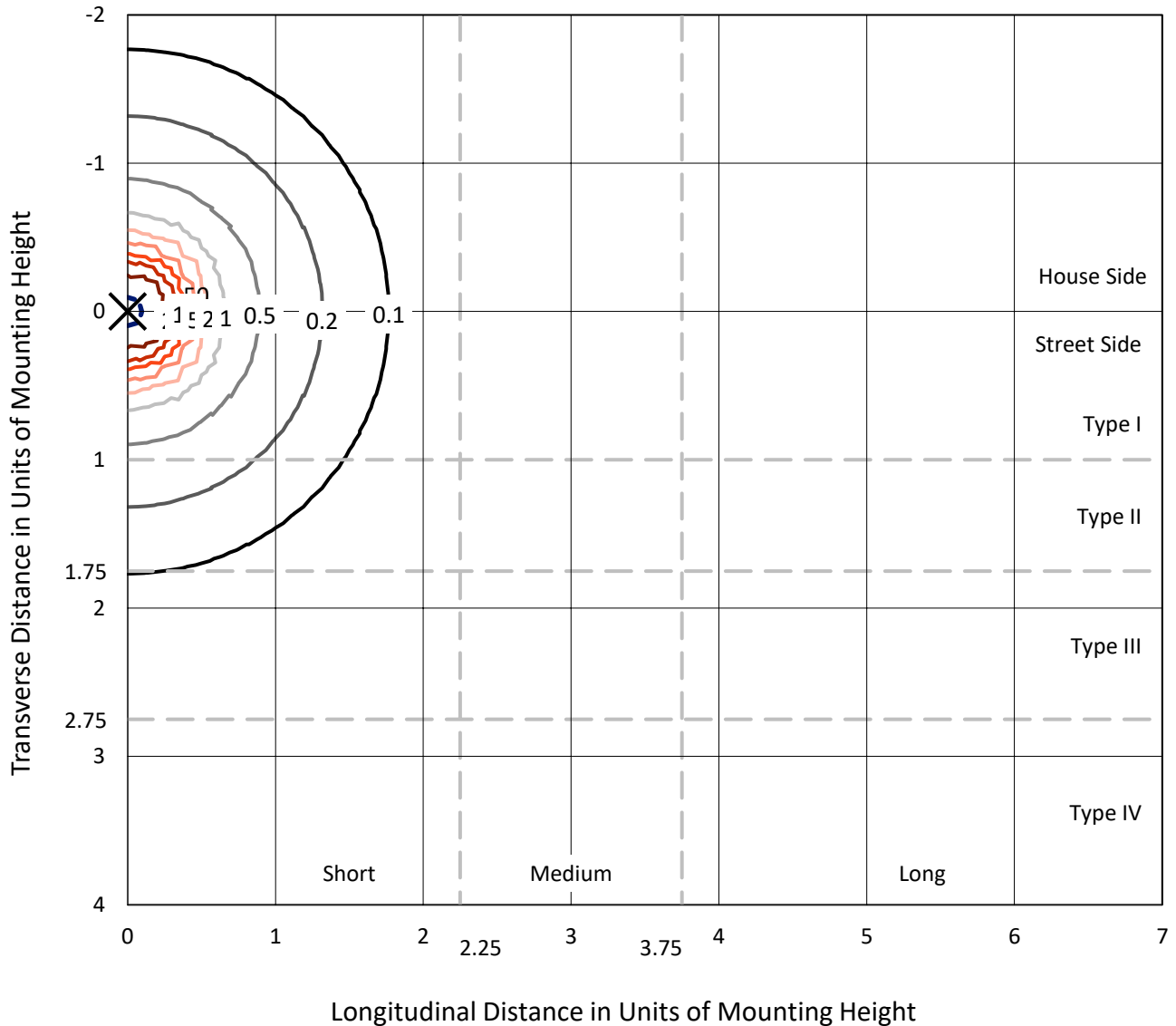
Lumens per Lamp: N/A  
Luminaire Lumens: 29573.5 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 368.2  
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

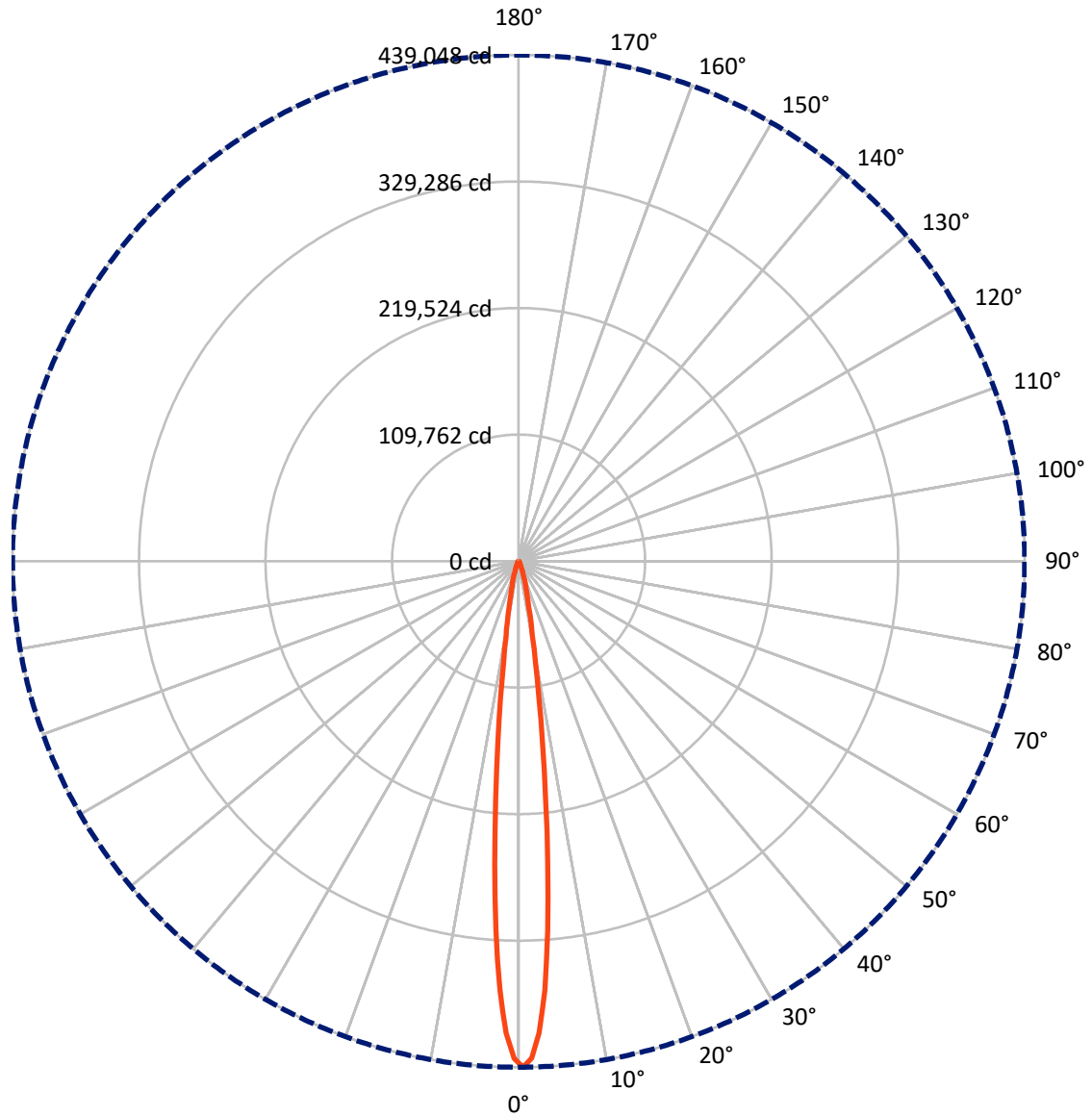
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 702.5 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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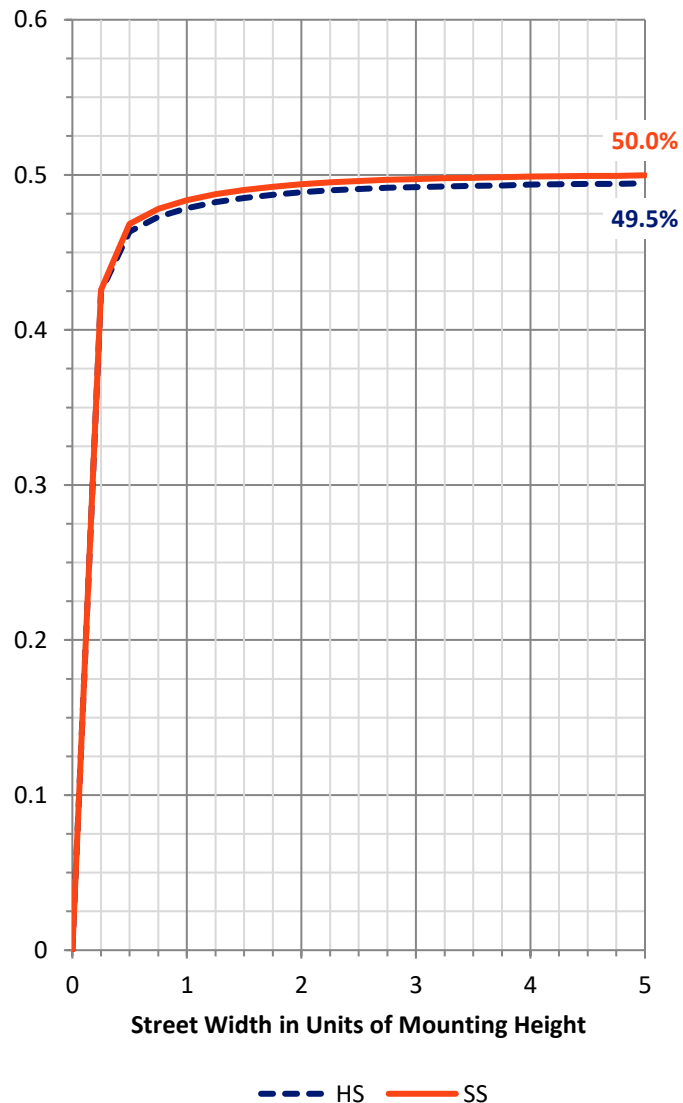
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14786.8	0.0	14786.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14786.8	0.0	14786.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29573.5	0.0	29573.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18145.7	61.4
10°-20°	7220.4	24.4
20°-30°	1664.8	5.6
30°-40°	632.1	2.1
40°-50°	515.8	1.7
50°-60°	495.4	1.7
60°-70°	474.7	1.6
70°-80°	314.2	1.1
80°-90°	110.4	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°	29573.5	100.0
0°-180°	29573.5	100.0

**Coefficient of Utilization**



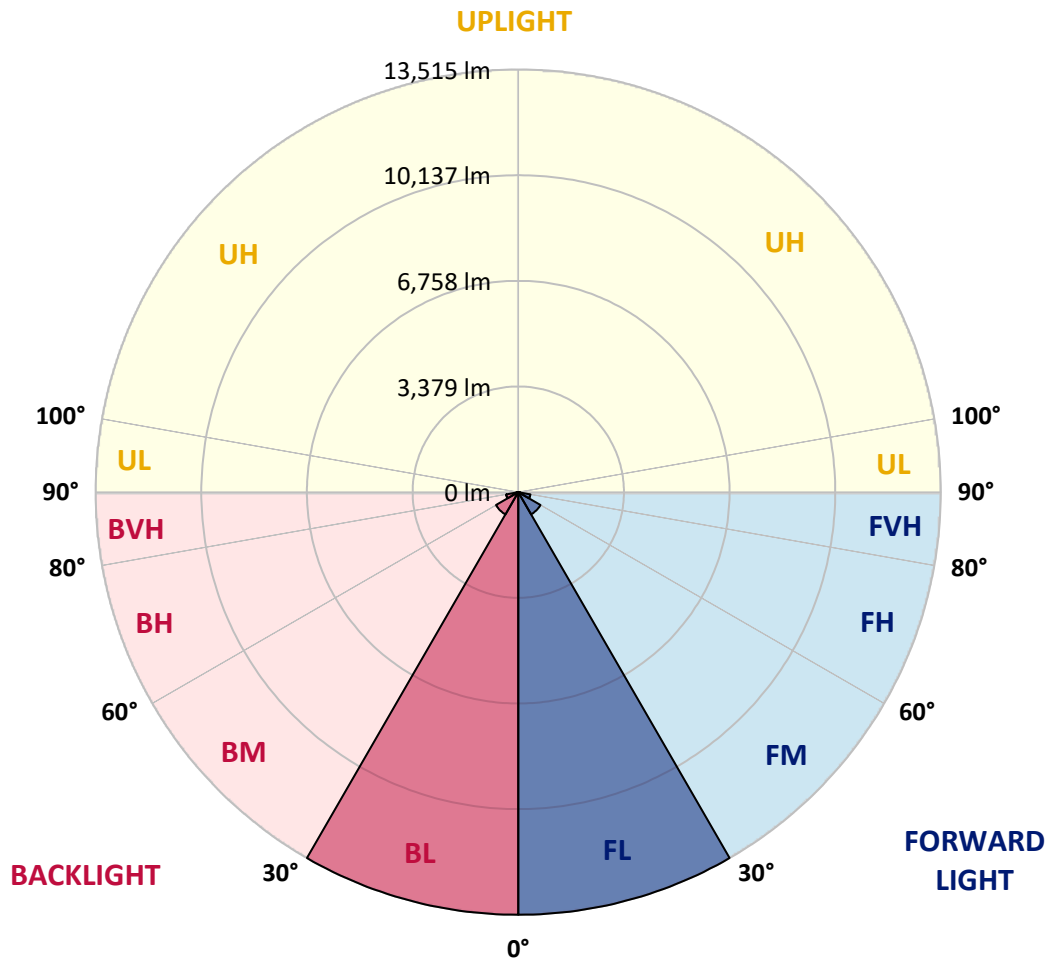
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13515.5	45.7			
FM (30°-60°)	821.7	2.8			
FH (60°-80°)	394.4	1.3			G0/660
FVH (80°-90°)	55.2	0.2			G1/100
BL (0°-30°)	13515.5	45.7	B5		
BM (30°-60°)	821.7	2.8	B1/1000		
BH (60°-80°)	394.4	1.3	B1/500		G0/660
BVH (80°-90°)	55.2	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°	439047.6
1°	431324.1
2°	409689.6
3°	372529.9
4°	321437.5
5°	263827.8
6°	207415.7
7°	158892.0
8°	118590.8
9°	88417.0
10°	65936.3
12.5°	35936.1
15°	23057.8
17.5°	15559.9
20°	9250.9
22.5°	5146.1
25°	2941.9
27.5°	1865.8
30°	1345.1
32.5°	1097.8
35°	976.3
37.5°	906.9
40°	815.7
42.5°	724.6
45°	646.5
47.5°	607.5
50°	581.4
52.5°	564.1
55°	551.1
57.5°	542.4
60°	525.0
62.5°	512.0
65°	486.0
67.5°	451.3
70°	407.9
72.5°	351.5
75°	295.1
77.5°	243.0
80°	195.3
82.5°	151.9
85°	112.8
87.5°	43.4
90°	0.0

(END OF REPORT)