

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: P525996

Luminaire Tested: **IFLD-S-SA6E-950-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525996  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-950-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (96) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

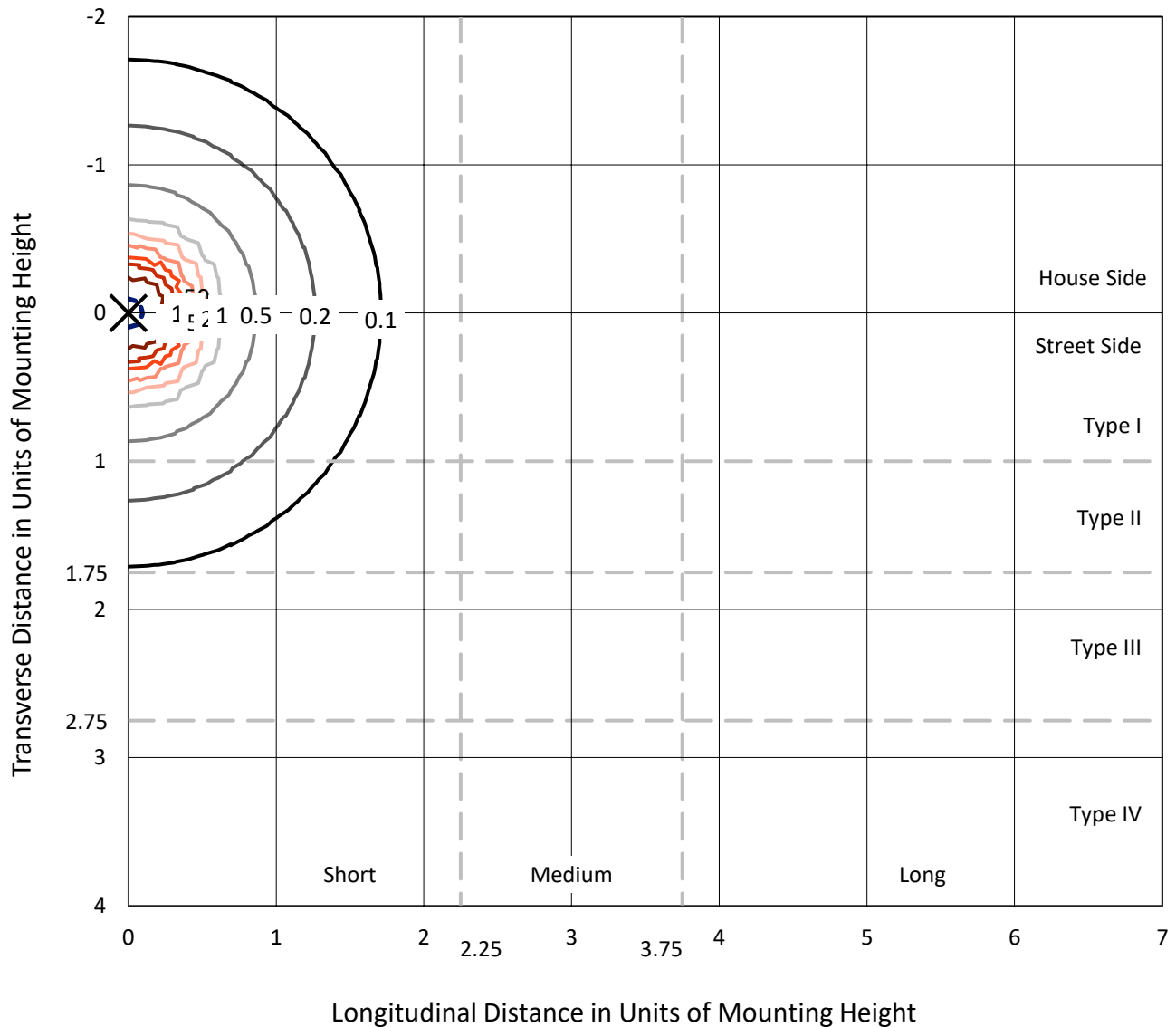
Lumens per Lamp: N/A  
Luminaire Lumens: 39064.9 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2  
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

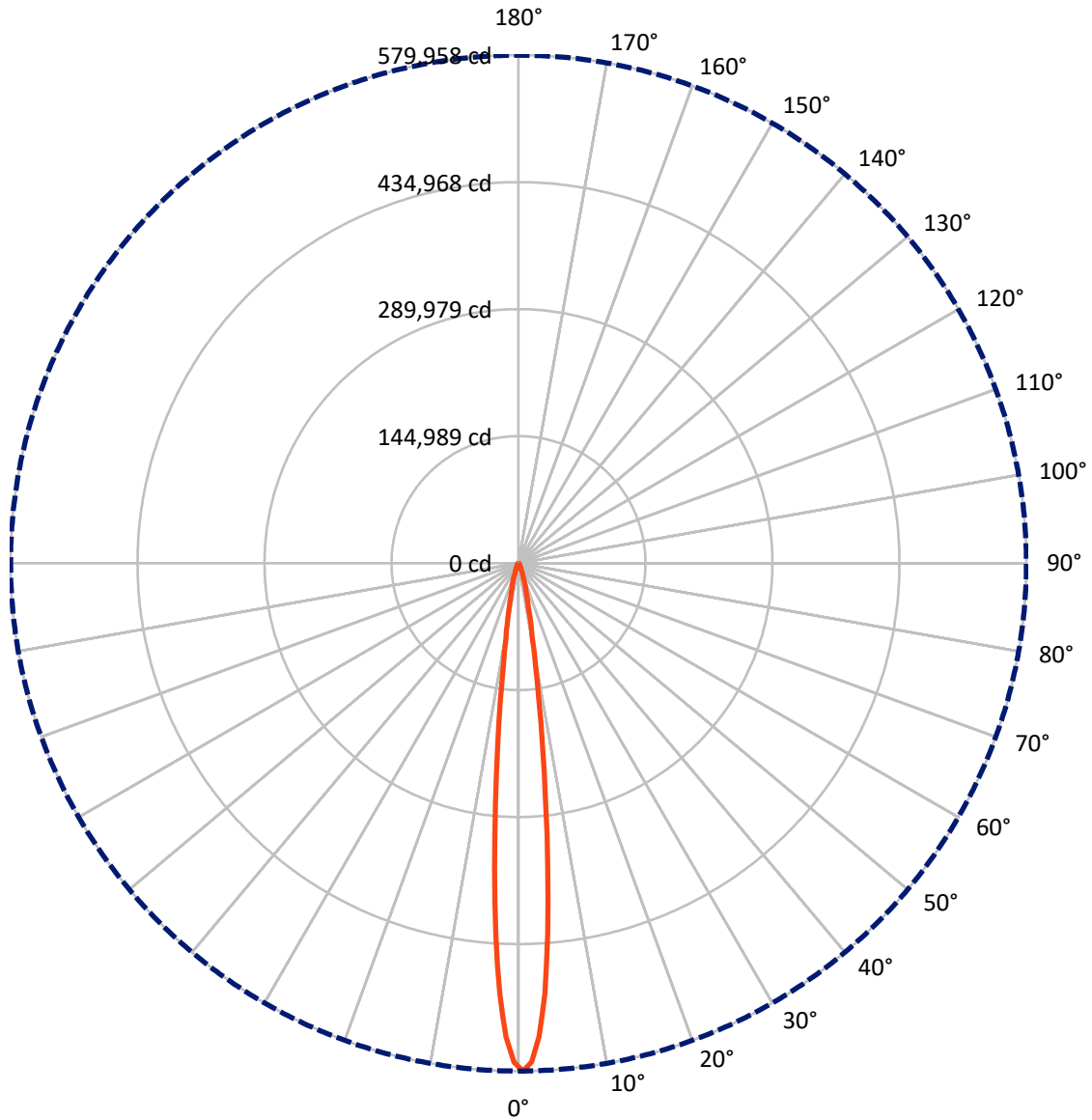
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 644.4 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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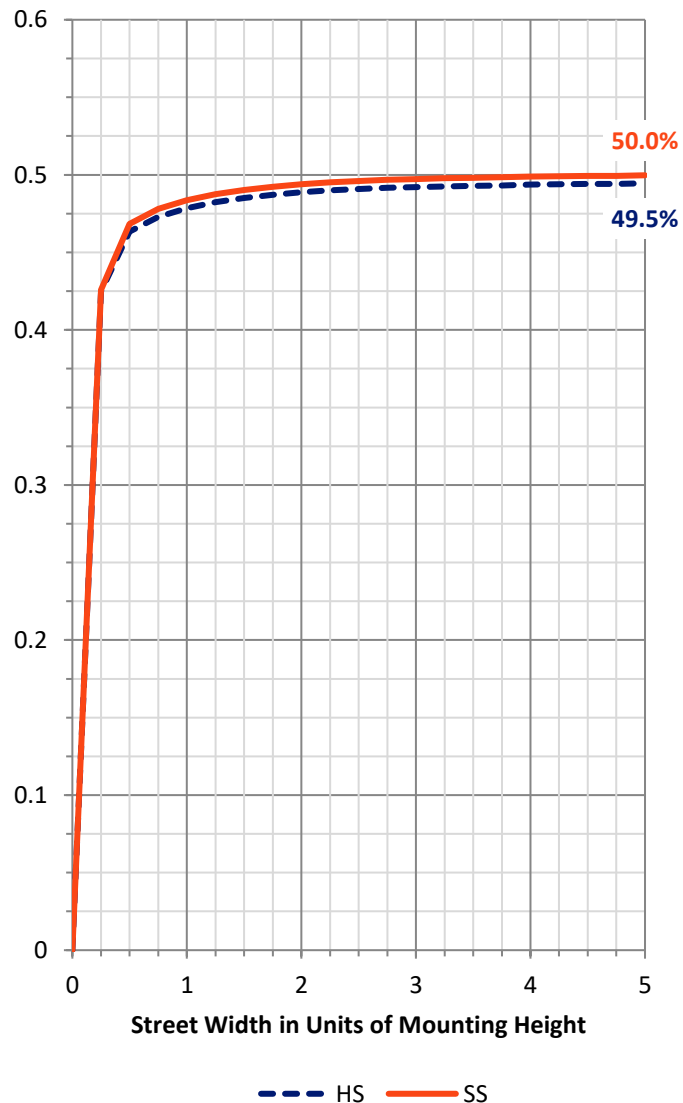
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19532.4	0.0	19532.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19532.4	0.0	19532.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39064.9	0.0	39064.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23969.4	61.4
10°-20°	9537.7	24.4
20°-30°	2199.2	5.6
30°-40°	834.9	2.1
40°-50°	681.4	1.7
50°-60°	654.4	1.7
60°-70°	627.0	1.6
70°-80°	415.0	1.1
80°-90°	145.8	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°	39064.9	100.0
0°-180°	39064.9	100.0

**Coefficient of Utilization**



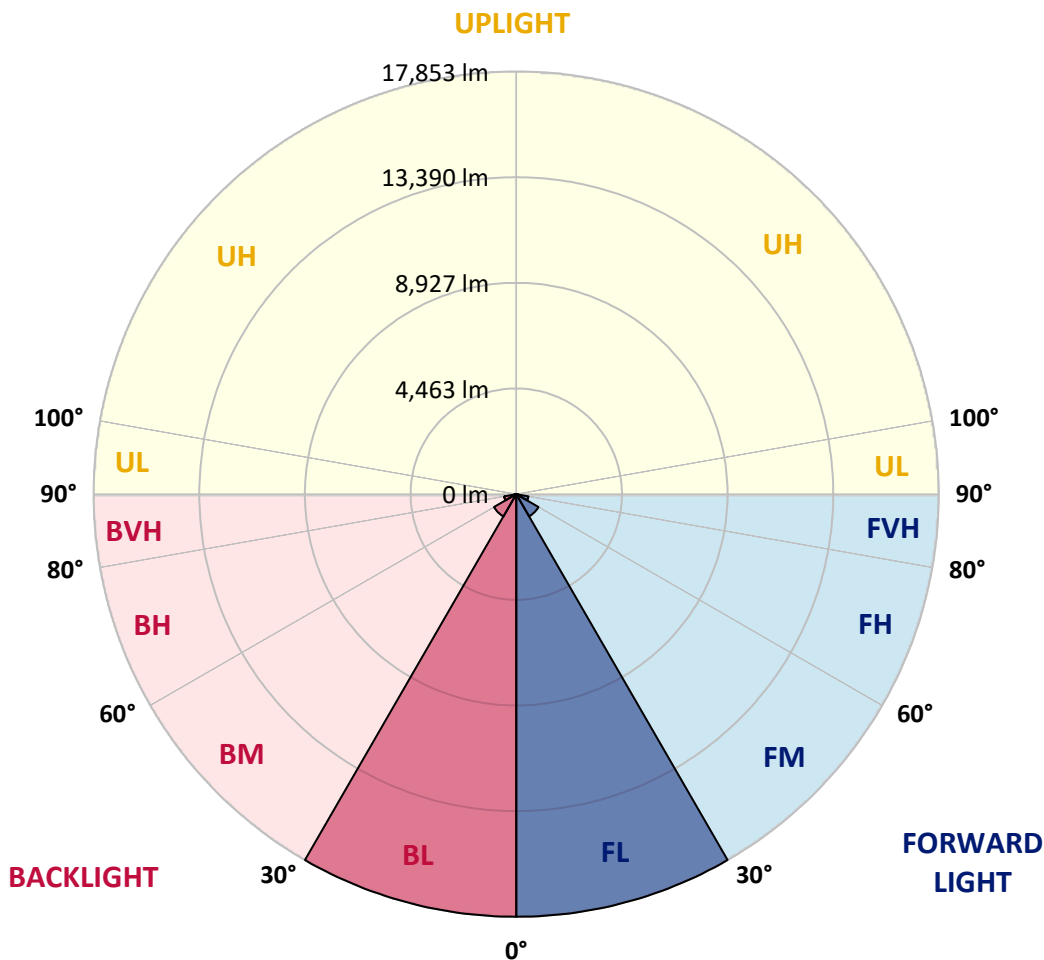
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	17853.2	45.7			
FM	(30°-60°)	1085.4	2.8			
FH	(60°-80°)	521.0	1.3			G0/660
FVH	(80°-90°)	72.9	0.2			G1/100
BL	(0°-30°)	17853.2	45.7	B5		
BM	(30°-60°)	1085.4	2.8	B2/2500		
BH	(60°-80°)	521.0	1.3	B2/1000		G0/660
BVH	(80°-90°)	72.9	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°	579957.9
1°	569755.5
2°	541177.5
3°	492091.5
4°	424601.3
5°	348502.0
6°	273984.7
7°	209887.6
8°	156652.0
9°	116794.0
10°	87098.3
12.5°	47469.6
15°	30458.0
17.5°	20553.7
20°	12219.9
22.5°	6797.7
25°	3886.1
27.5°	2464.6
30°	1776.8
32.5°	1450.1
35°	1289.6
37.5°	1197.9
40°	1077.6
42.5°	957.2
45°	854.0
47.5°	802.4
50°	768.0
52.5°	745.1
55°	727.9
57.5°	716.5
60°	693.5
62.5°	676.3
65°	641.9
67.5°	596.1
70°	538.8
72.5°	464.3
75°	389.8
77.5°	321.0
80°	257.9
82.5°	200.6
85°	149.0
87.5°	57.3
90°	0.0

(END OF REPORT)