

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: P525645

Luminaire Tested: **IFLD-S-SA6E-927-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525645  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-927-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (96) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

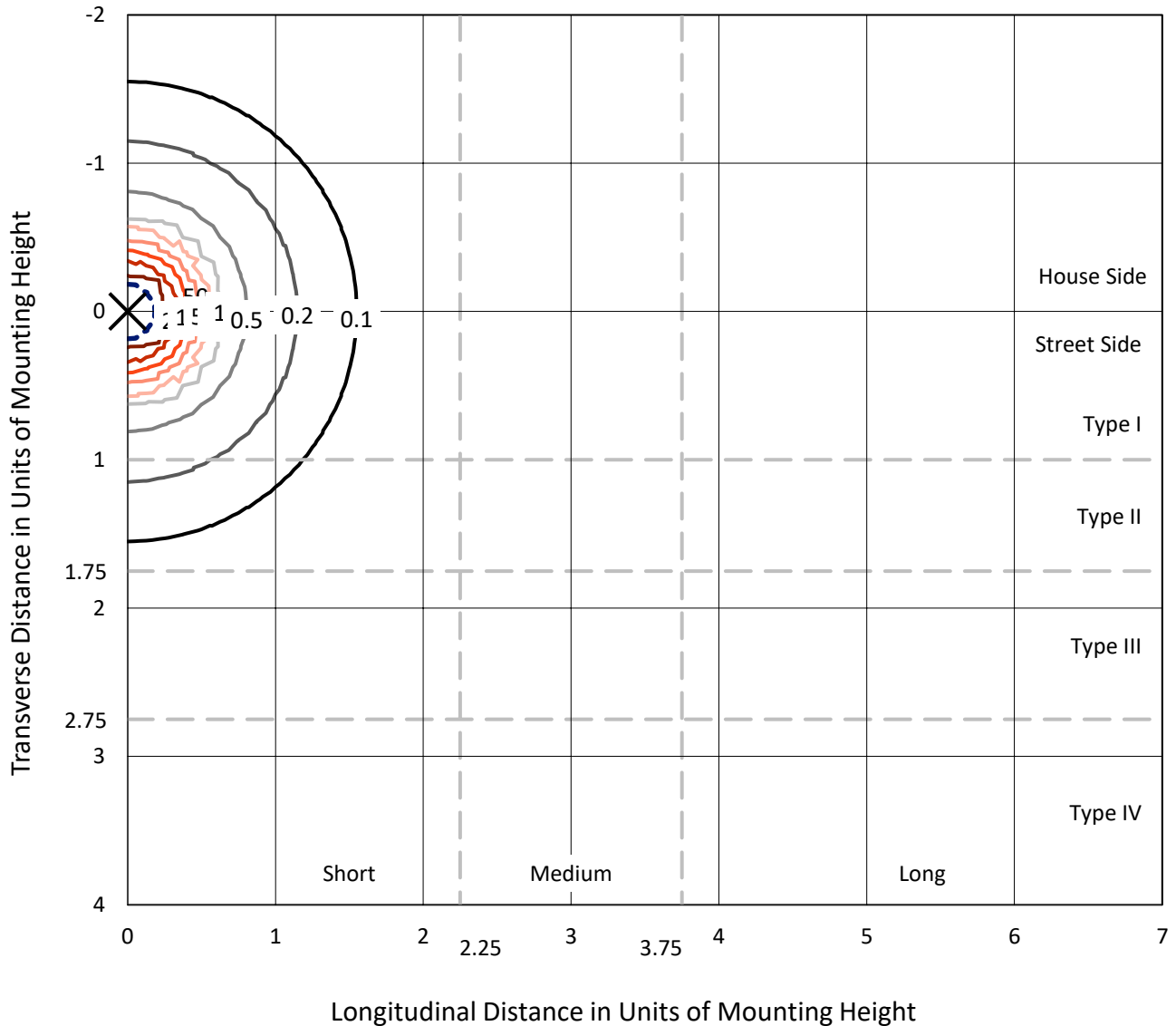
Lumens per Lamp: N/A  
Luminaire Lumens: 34098.1 lumens  
Efficiency: N/A  
Efficacy: 73.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

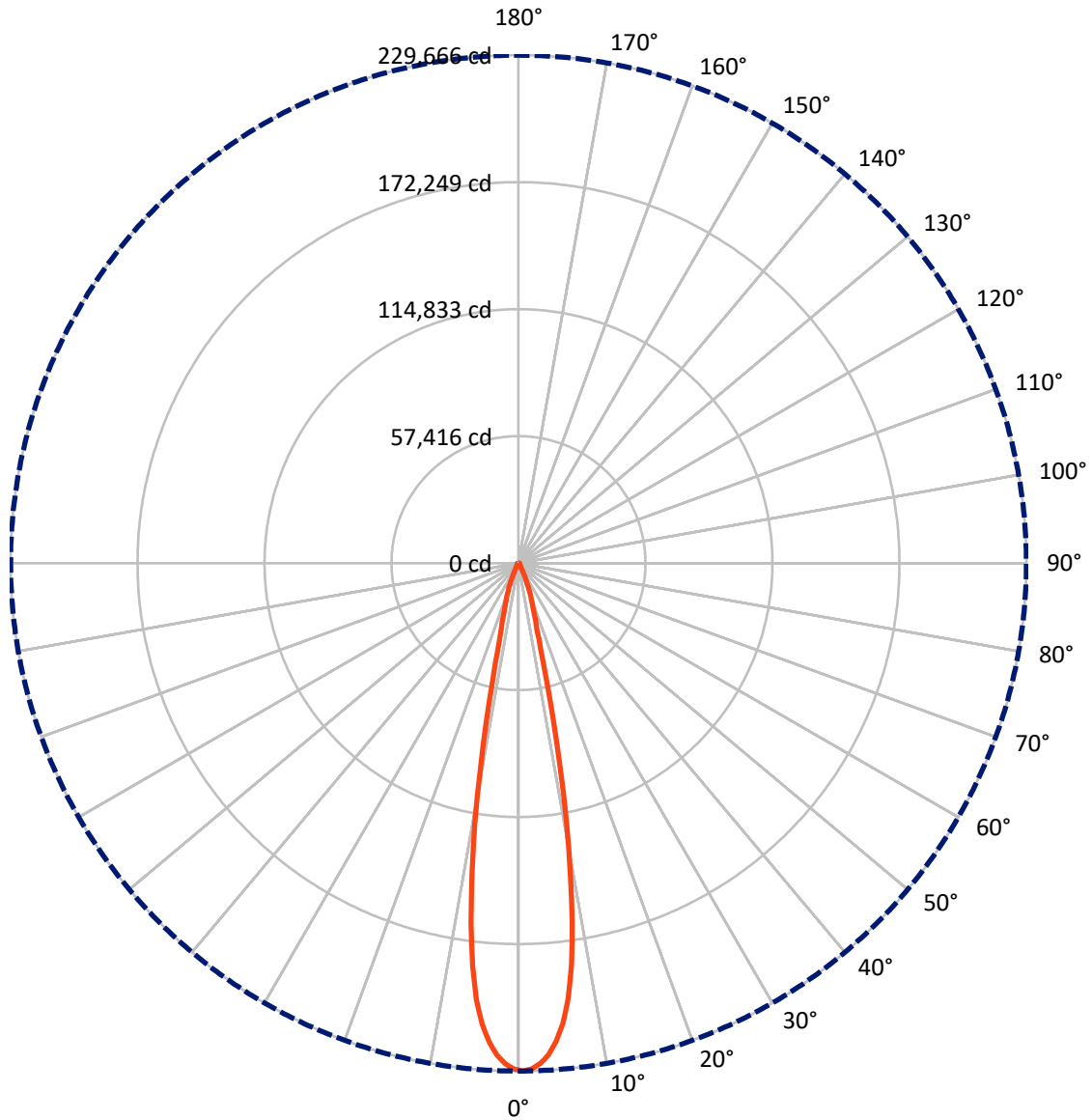
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 255.2 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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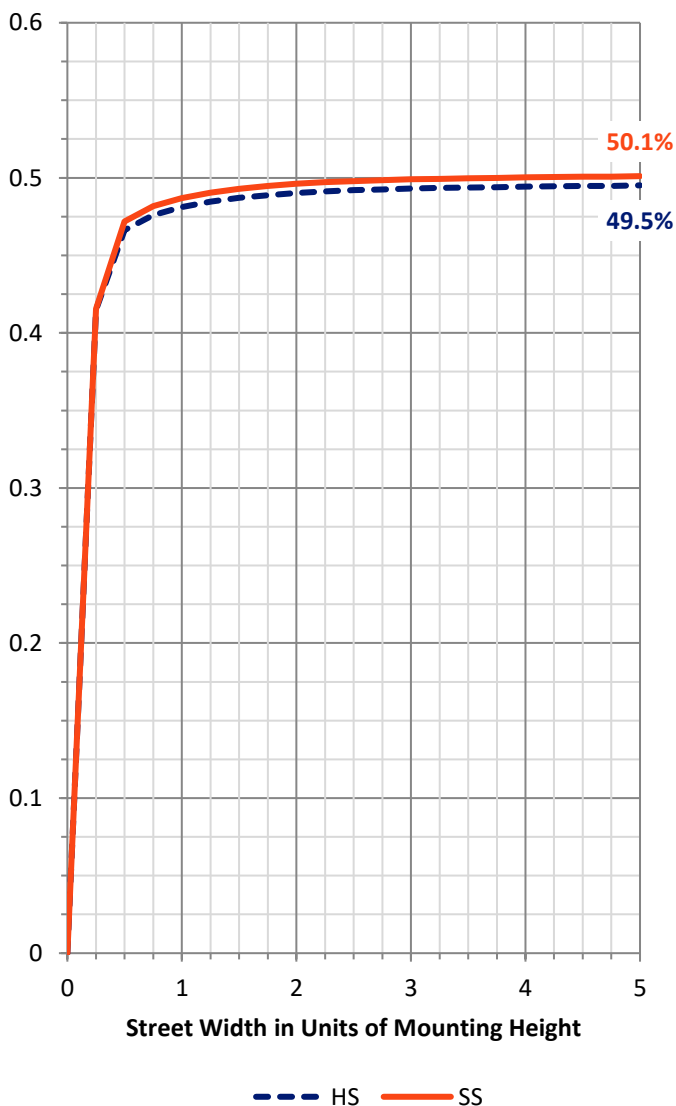
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17049.1	0.0	17049.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17049.1	0.0	17049.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34098.1	0.0	34098.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17099.8	50.1
10°-20°	11247.7	33.0
20°-30°	3025.4	8.9
30°-40°	751.7	2.2
40°-50°	561.0	1.6
50°-60°	515.9	1.5
60°-70°	473.1	1.4
70°-80°	306.0	0.9
80°-90°	117.5	0.3
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°	34098.1	100.0
0°-180°	34098.1	100.0

**Coefficient of Utilization**



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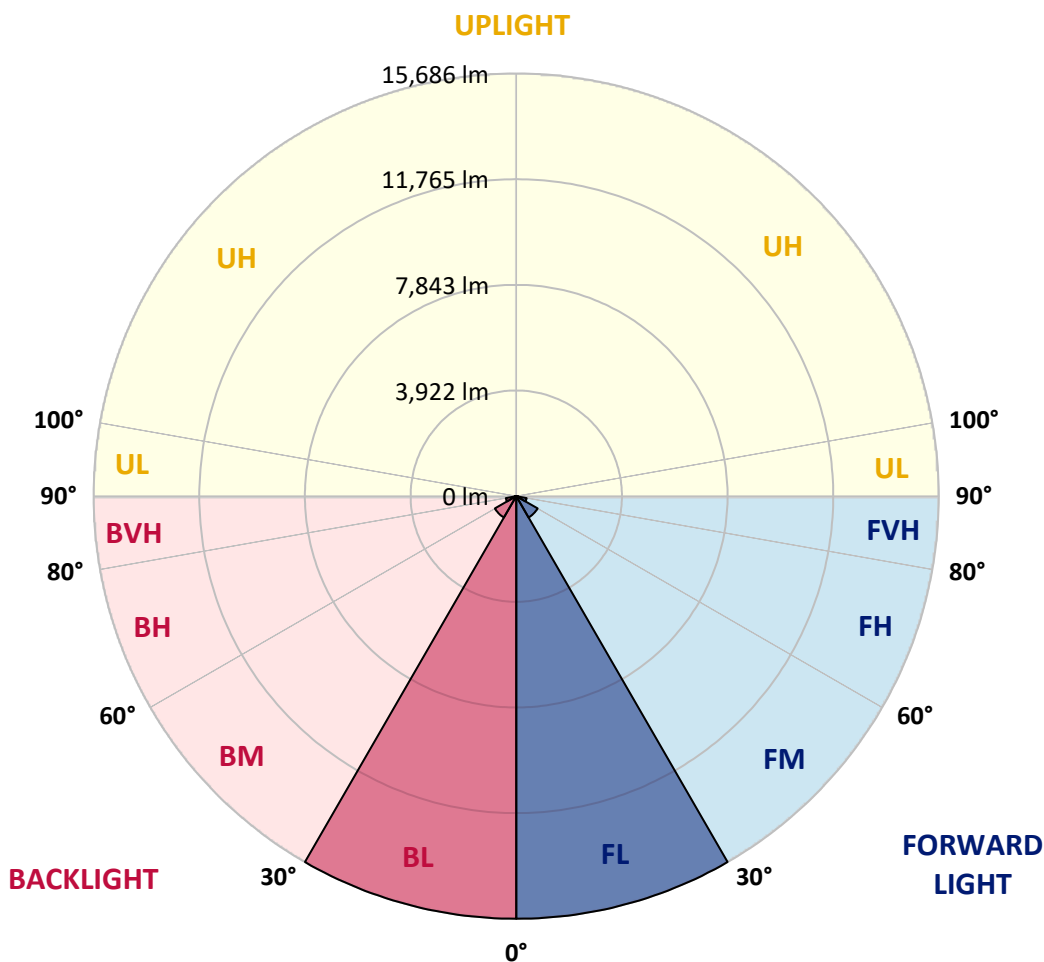
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	15686.5	46.0			
FM	(30°-60°)	914.3	2.7			
FH	(60°-80°)	389.6	1.1			G0/660
FVH	(80°-90°)	58.8	0.2			G1/100
BL	(0°-30°)	15686.5	46.0	B5		
BM	(30°-60°)	914.3	2.7	B1/1000		
BH	(60°-80°)	389.6	1.1	B1/500		G0/660
BVH	(80°-90°)	58.8	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°	229665.6
1°	228766.8
2°	226502.3
3°	222646.1
4°	217027.5
5°	209204.6
6°	198283.6
7°	183335.8
8°	164381.1
9°	142027.1
10°	119356.8
11°	95004.4
12°	72399.4
13°	53499.9
14°	40038.3
15°	31356.8
17.5°	21018.4
20°	15193.9
22.5°	10017.1
25°	5879.7
27.5°	3298.9
30°	1842.7
32.5°	1345.7
35°	1139.8
37.5°	1004.2
40°	883.7
42.5°	793.3
45°	713.0
47.5°	657.8
50°	612.6
52.5°	587.5
55°	572.4
57.5°	562.4
60°	547.3
62.5°	517.2
65°	482.0
67.5°	441.9
70°	391.6
72.5°	336.4
75°	286.2
77.5°	241.0
80°	200.8
82.5°	160.7
85°	120.5
87.5°	50.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)