

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: P525857

Luminaire Tested: **IFLD-S-SA2C-930-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525857  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-930-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (32) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

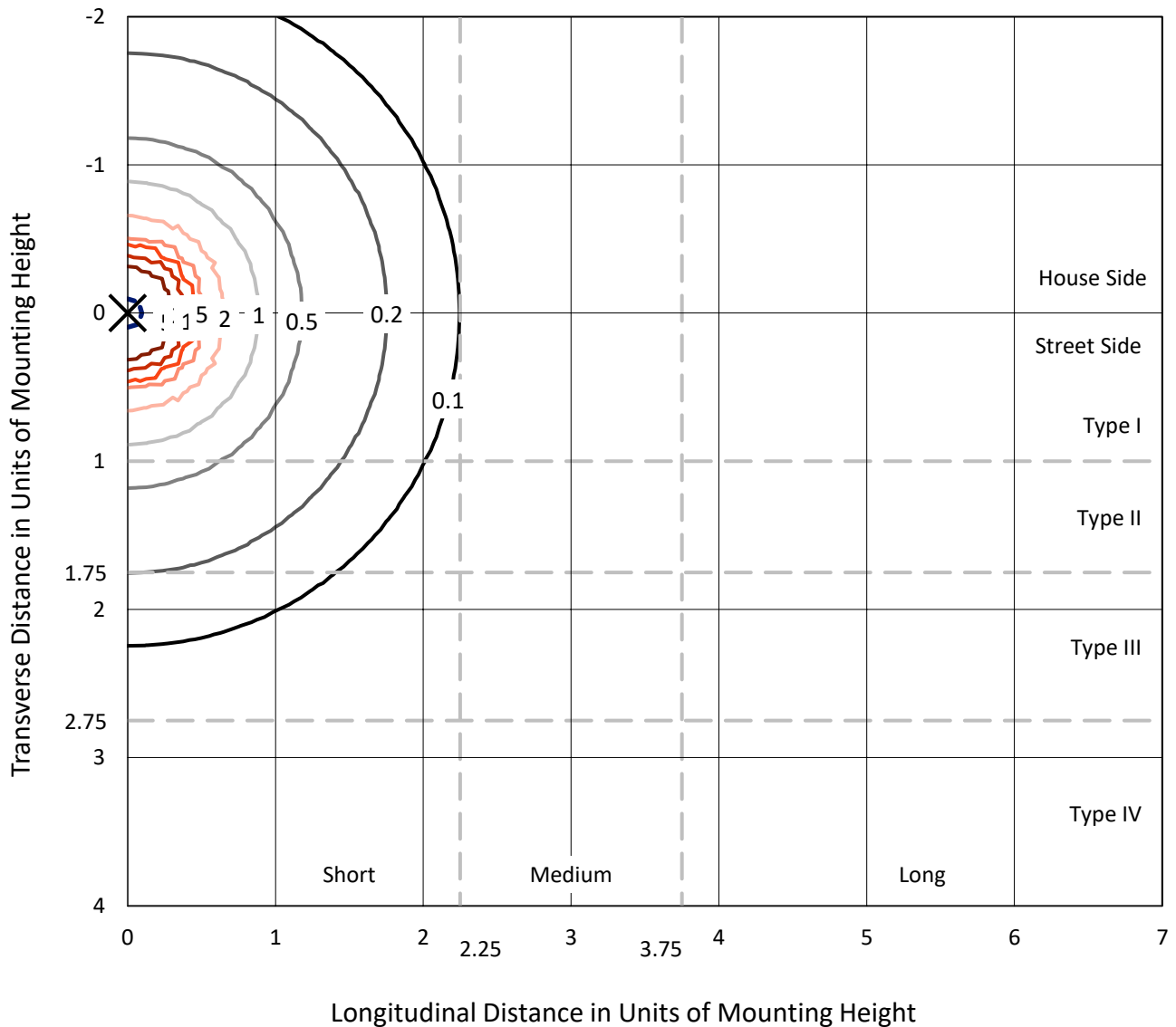
Lumens per Lamp: N/A  
Luminaire Lumens: 9294.2 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2  
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

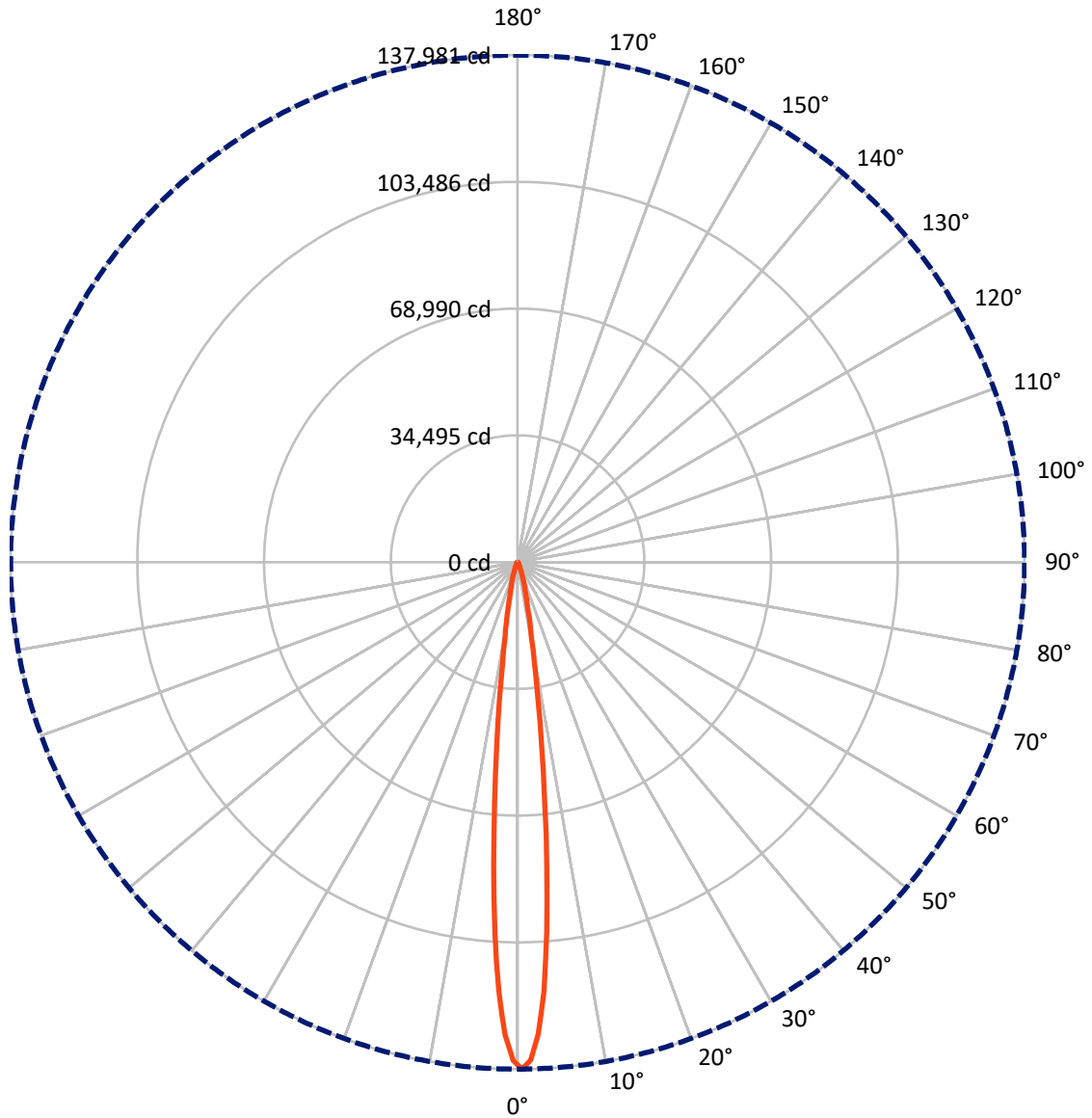
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1379.8 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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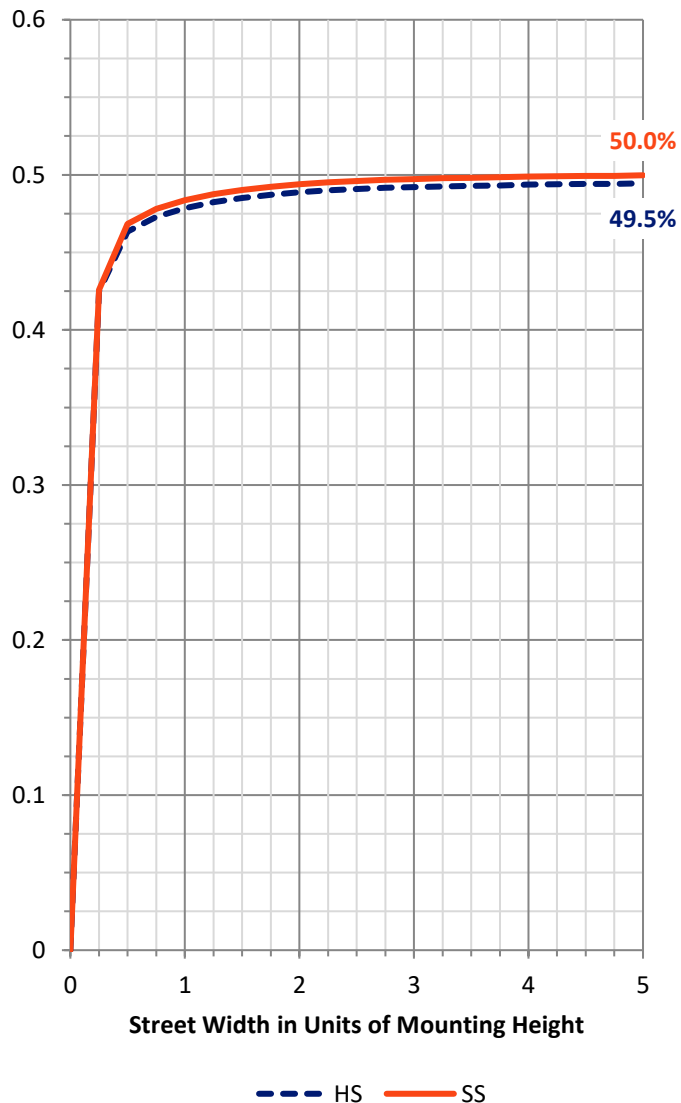
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4647.1	0.0	4647.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4647.1	0.0	4647.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9294.2	0.0	9294.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5702.7	61.4
10°-20°	2269.2	24.4
20°-30°	523.2	5.6
30°-40°	198.6	2.1
40°-50°	162.1	1.7
50°-60°	155.7	1.7
60°-70°	149.2	1.6
70°-80°	98.8	1.1
80°-90°	34.7	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°	9294.2	100.0
0°-180°	9294.2	100.0

**Coefficient of Utilization**



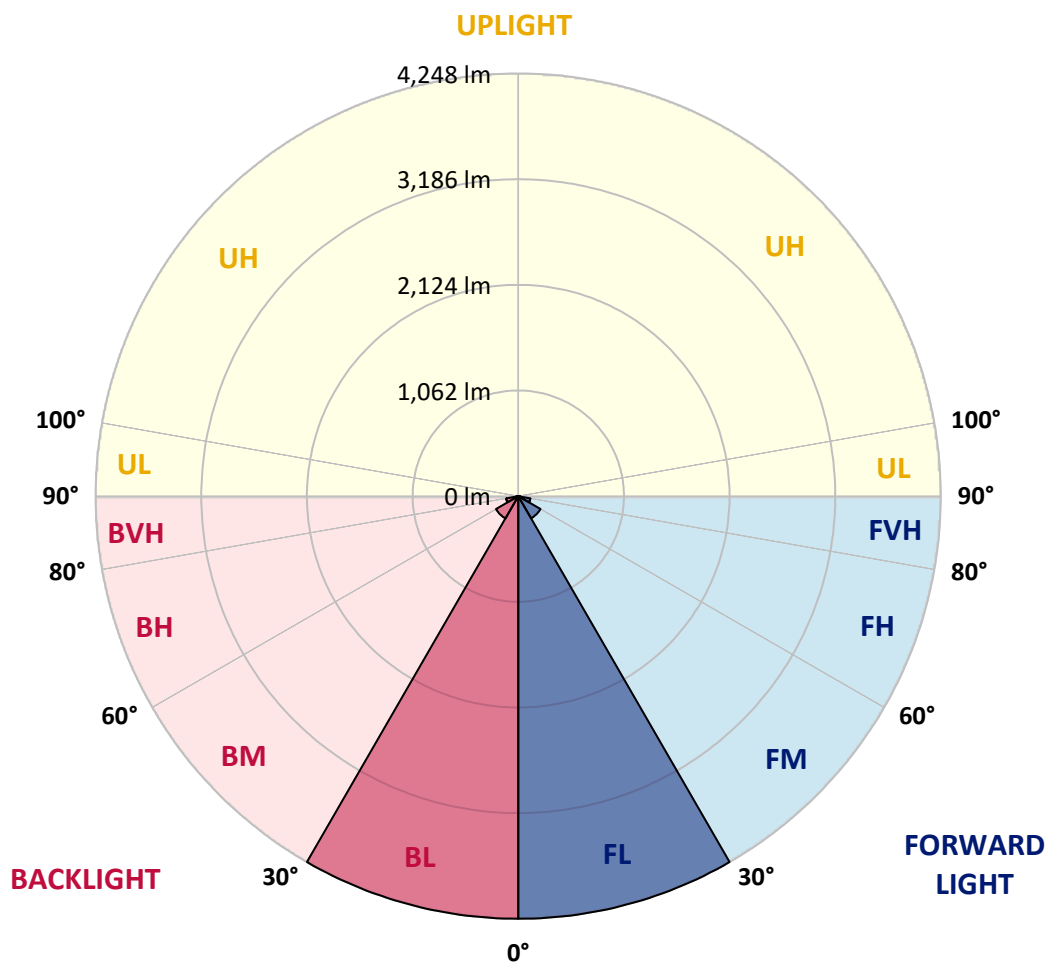
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4247.5	45.7			
FM (30°-60°)	258.2	2.8			
FH (60°-80°)	124.0	1.3			G0/660
FVH (80°-90°)	17.3	0.2			G1/100
BL (0°-30°)	4247.5	45.7	B4/5000		
BM (30°-60°)	258.2	2.8	B1/1000		
BH (60°-80°)	124.0	1.3	B1/500		G0/660
BVH (80°-90°)	17.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	137980.9
1°	135553.6
2°	128754.4
3°	117076.1
4°	101019.2
5°	82914.0
6°	65185.2
7°	49935.5
8°	37269.9
9°	27787.1
10°	20722.0
12.5°	11293.7
15°	7246.4
17.5°	4890.0
20°	2907.3
22.5°	1617.3
25°	924.6
27.5°	586.4
30°	422.7
32.5°	345.0
35°	306.8
37.5°	285.0
40°	256.4
42.5°	227.7
45°	203.2
47.5°	190.9
50°	182.7
52.5°	177.3
55°	173.2
57.5°	170.5
60°	165.0
62.5°	160.9
65°	152.7
67.5°	141.8
70°	128.2
72.5°	110.5
75°	92.7
77.5°	76.4
80°	61.4
82.5°	47.7
85°	35.5
87.5°	13.6
90°	0.0

(END OF REPORT)