

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: P525841

Luminaire Tested: **IFLD-M-SA4A-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525841  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-927-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (64) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

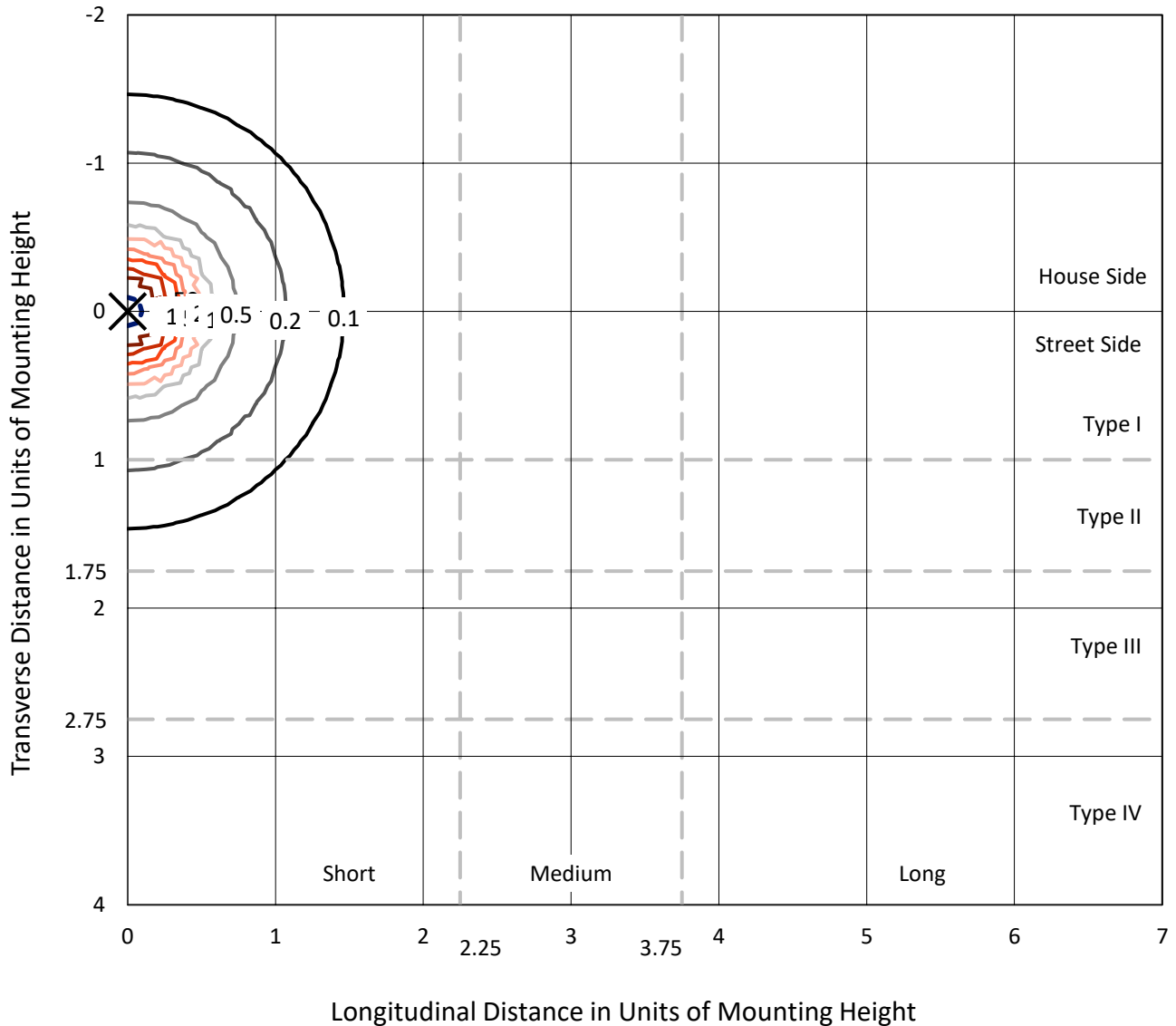
Lumens per Lamp: N/A  
Luminaire Lumens: 11944.9 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 128.6  
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

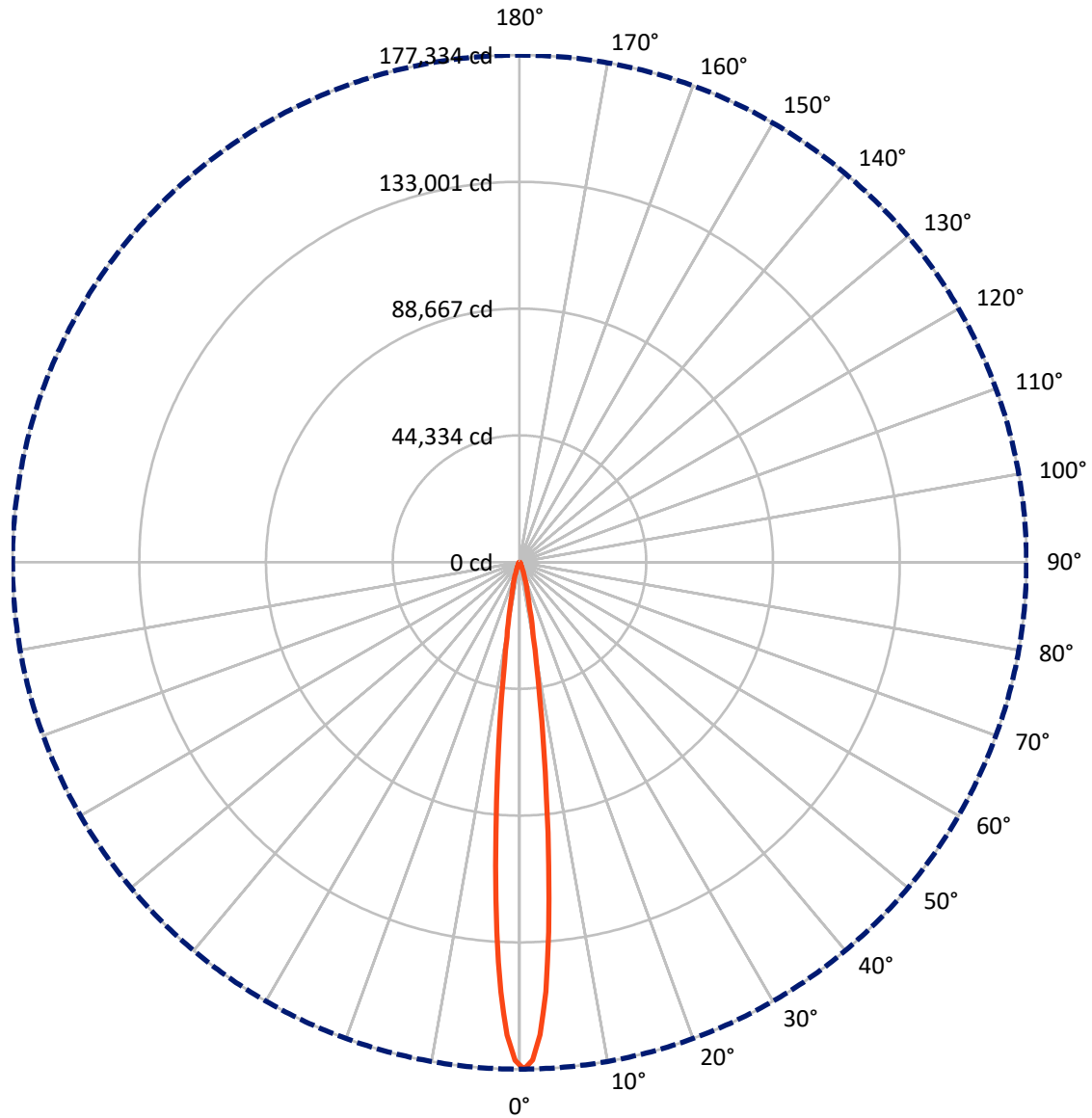
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 443.3 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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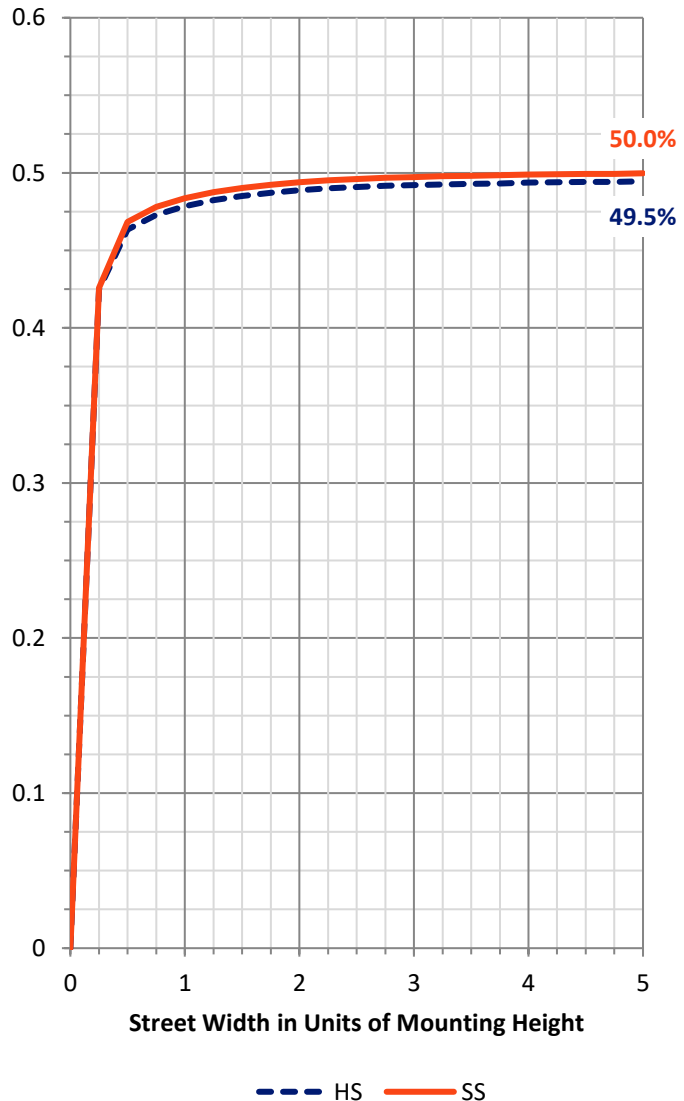
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5972.5	0.0	5972.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5972.5	0.0	5972.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11944.9	0.0	11944.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7329.2	61.4
10°-20°	2916.4	24.4
20°-30°	672.4	5.6
30°-40°	255.3	2.1
40°-50°	208.4	1.7
50°-60°	200.1	1.7
60°-70°	191.7	1.6
70°-80°	126.9	1.1
80°-90°	44.6	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°	11944.9	100.0
0°-180°	11944.9	100.0

**Coefficient of Utilization**



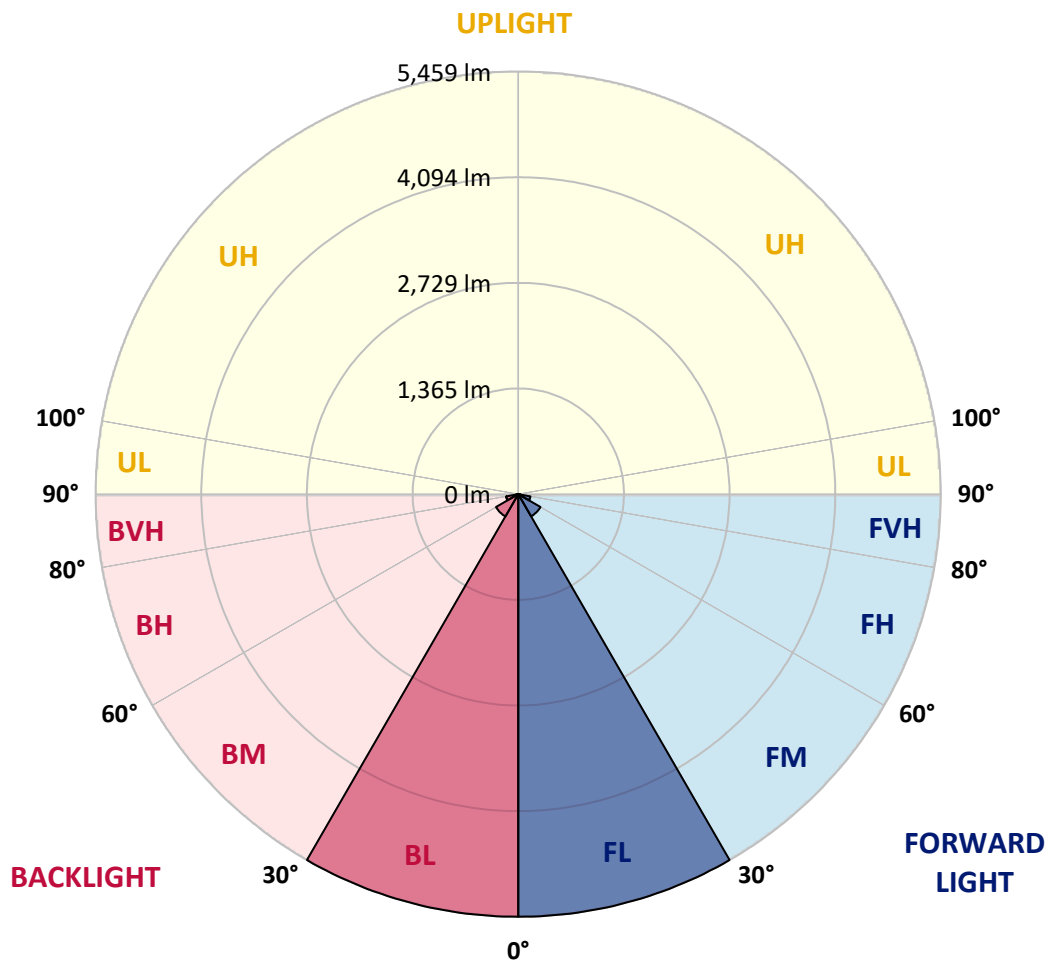
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5459.0	45.7			
FM (30°-60°)	331.9	2.8			
FH (60°-80°)	159.3	1.3			G0/660
FVH (80°-90°)	22.3	0.2			G1/100
BL (0°-30°)	5459.0	45.7	B5		
BM (30°-60°)	331.9	2.8	B1/1000		
BH (60°-80°)	159.3	1.3	B1/500		G0/660
BVH (80°-90°)	22.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	177334.4
1°	174214.8
2°	165476.4
3°	150467.4
4°	129830.8
5°	106561.9
6°	83776.6
7°	64177.6
8°	47899.6
9°	35712.2
10°	26632.1
12.5°	14514.8
15°	9313.2
17.5°	6284.7
20°	3736.5
22.5°	2078.6
25°	1188.2
27.5°	753.6
30°	543.3
32.5°	443.4
35°	394.3
37.5°	366.3
40°	329.5
42.5°	292.7
45°	261.1
47.5°	245.4
50°	234.8
52.5°	227.8
55°	222.6
57.5°	219.1
60°	212.1
62.5°	206.8
65°	196.3
67.5°	182.3
70°	164.7
72.5°	142.0
75°	119.2
77.5°	98.1
80°	78.9
82.5°	61.3
85°	45.6
87.5°	17.5
90°	0.0

(END OF REPORT)