

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: P525845

Luminaire Tested: **IFLD-M-SA4E-927-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525845  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4E-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**

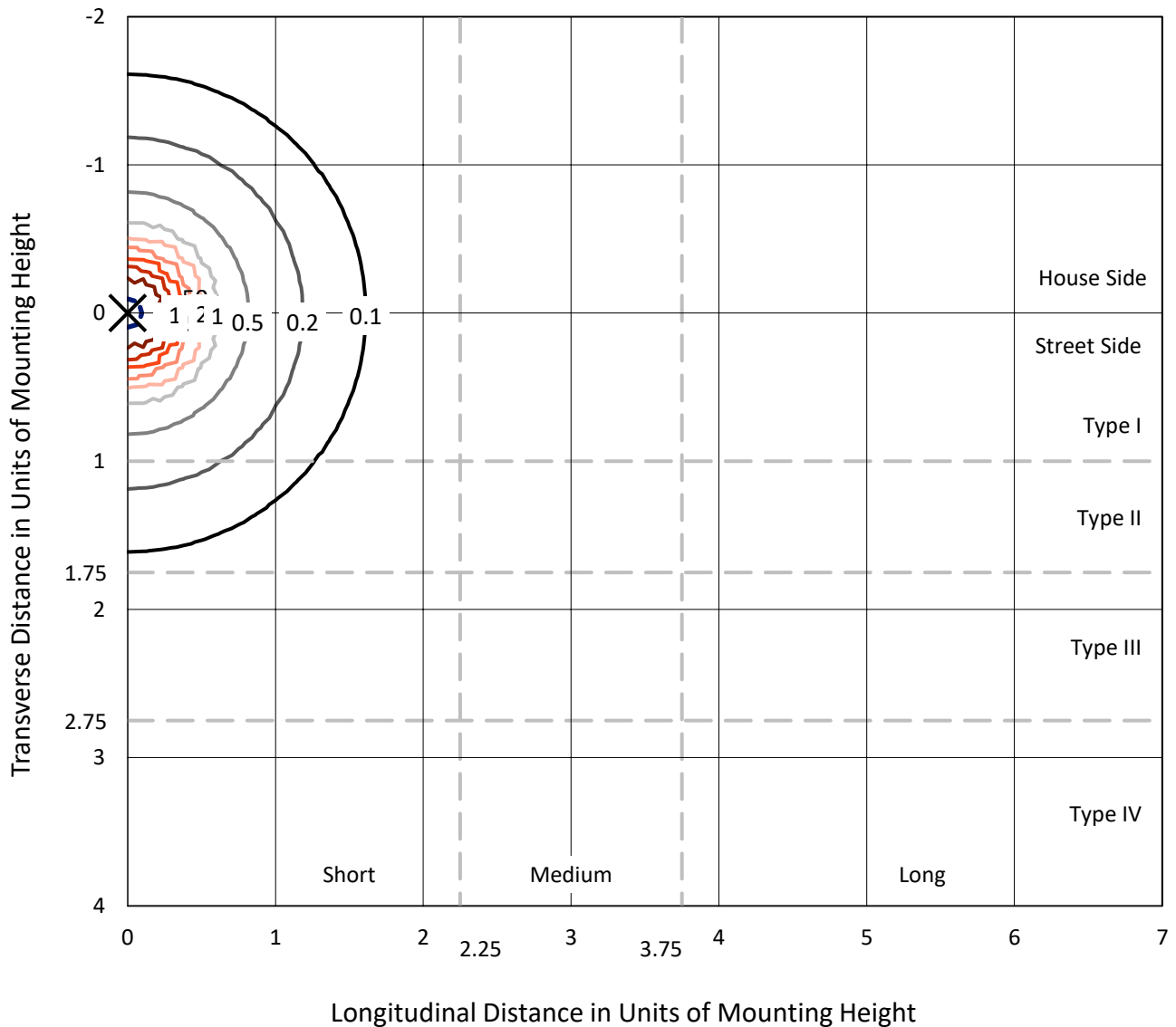
Lumens per Lamp: N/A  
Luminaire Lumens: 23417.6 lumens  
Efficiency: N/A  
Efficacy: 74.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 314.8  
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

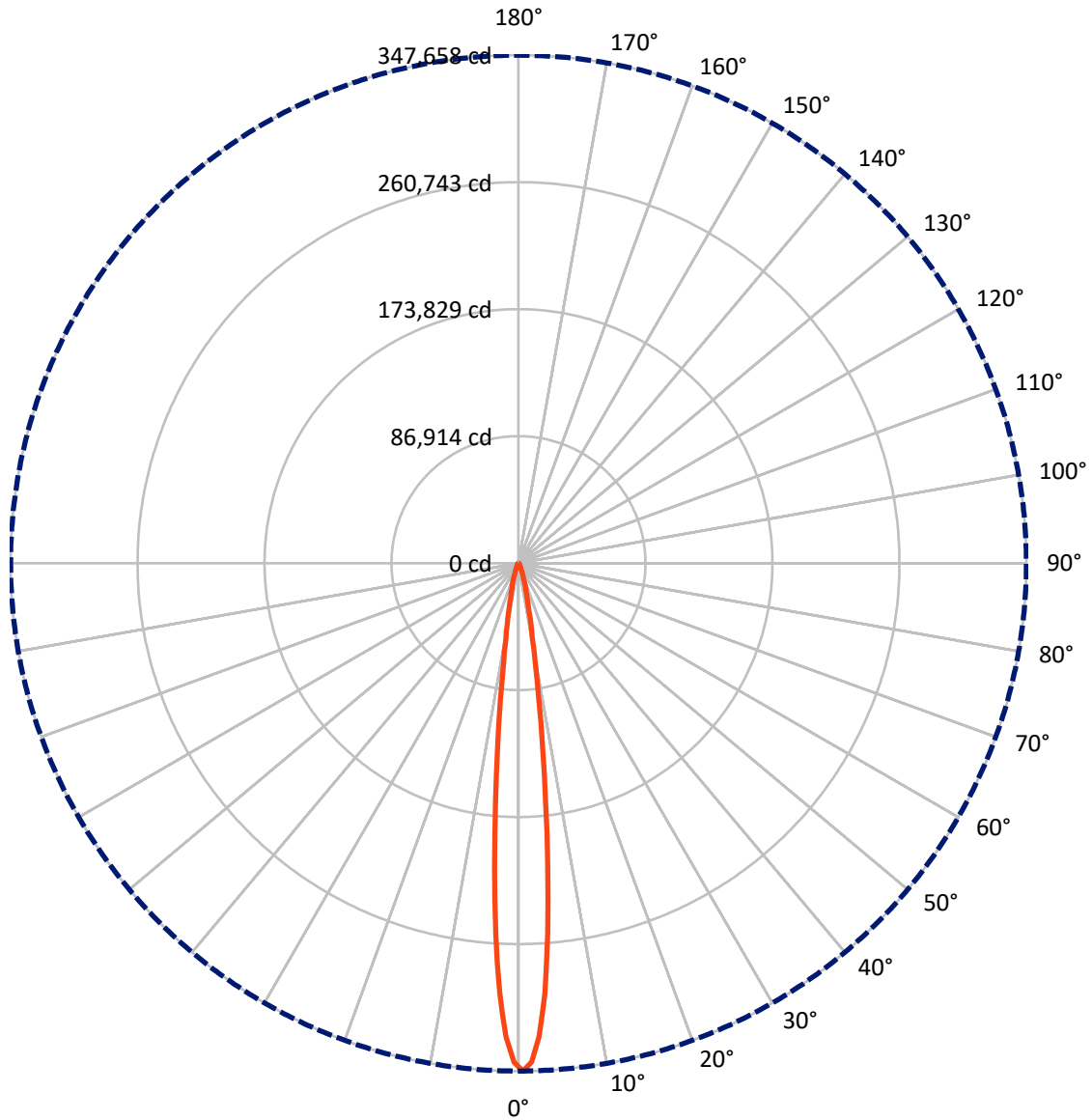
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 556.3 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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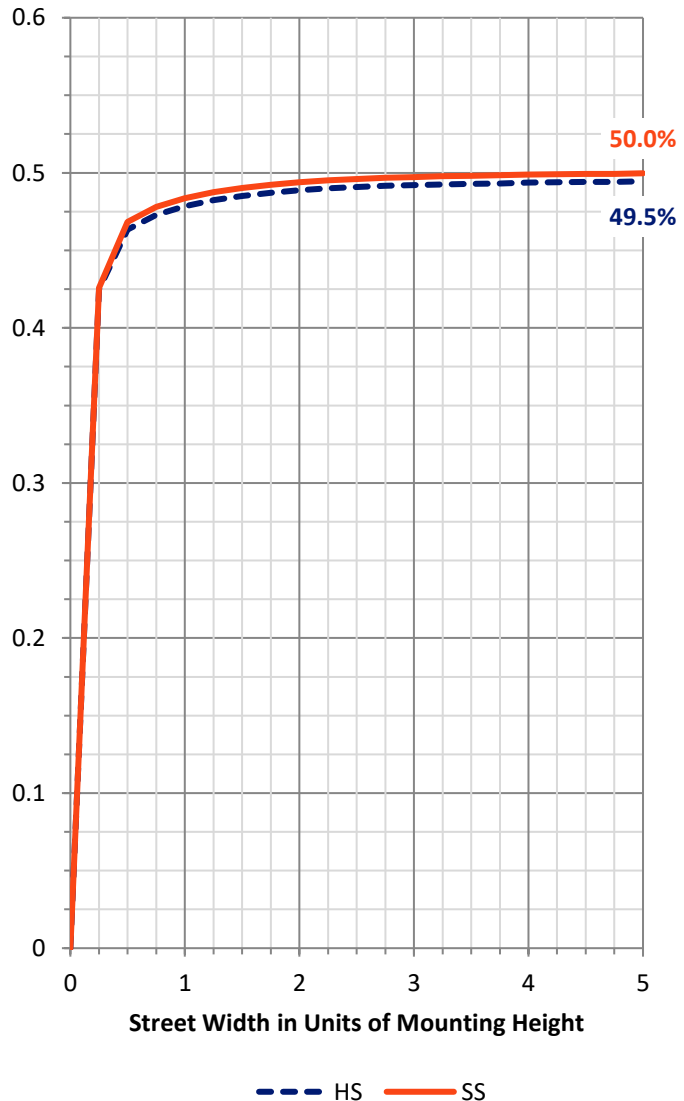
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11708.8	0.0	11708.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11708.8	0.0	11708.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23417.6	0.0	23417.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14368.6	61.4
10°-20°	5717.4	24.4
20°-30°	1318.3	5.6
30°-40°	500.5	2.1
40°-50°	408.5	1.7
50°-60°	392.3	1.7
60°-70°	375.8	1.6
70°-80°	248.8	1.1
80°-90°	87.4	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°	23417.6	100.0
0°-180°	23417.6	100.0

**Coefficient of Utilization**



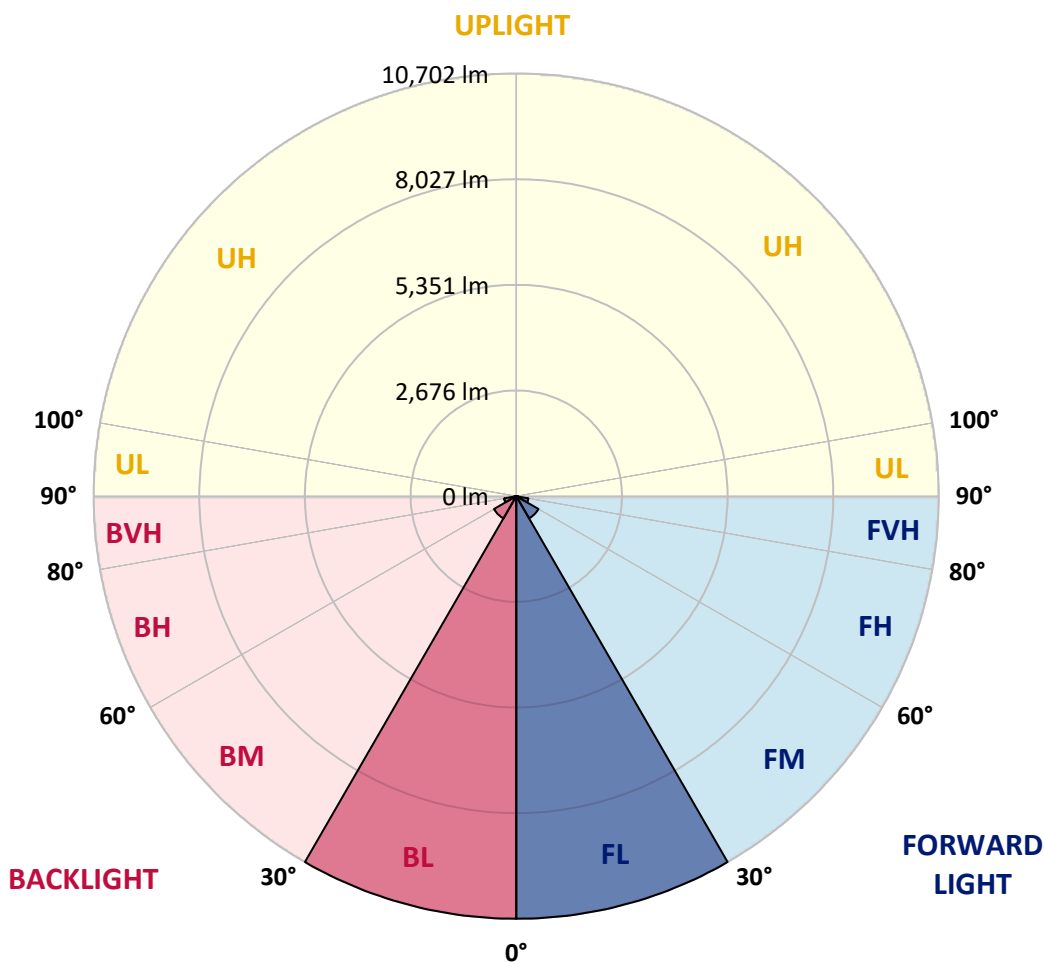
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10702.1	45.7			
FM (30°-60°)	650.6	2.8			
FH (60°-80°)	312.3	1.3			G0/660
FVH (80°-90°)	43.7	0.2			G1/100
BL (0°-30°)	10702.1	45.7	B5		
BM (30°-60°)	650.6	2.8	B1/1000		
BH (60°-80°)	312.3	1.3	B1/500		G0/660
BVH (80°-90°)	43.7	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°	347657.5
1°	341541.7
2°	324410.5
3°	294985.8
4°	254528.5
5°	208910.6
6°	164241.0
7°	125817.8
8°	93905.5
9°	70012.5
10°	52211.3
12.5°	28455.8
15°	18258.2
17.5°	12321.0
20°	7325.3
22.5°	4074.9
25°	2329.5
27.5°	1477.4
30°	1065.1
32.5°	869.3
35°	773.1
37.5°	718.1
40°	645.9
42.5°	573.8
45°	511.9
47.5°	481.0
50°	460.4
52.5°	446.7
55°	436.4
57.5°	429.5
60°	415.7
62.5°	405.4
65°	384.8
67.5°	357.3
70°	323.0
72.5°	278.3
75°	233.6
77.5°	192.4
80°	154.6
82.5°	120.3
85°	89.3
87.5°	34.4
90°	0.0

(END OF REPORT)