

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: P525743

Luminaire Tested: **IFLD-S-SA3A-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525743  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-940-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (48) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

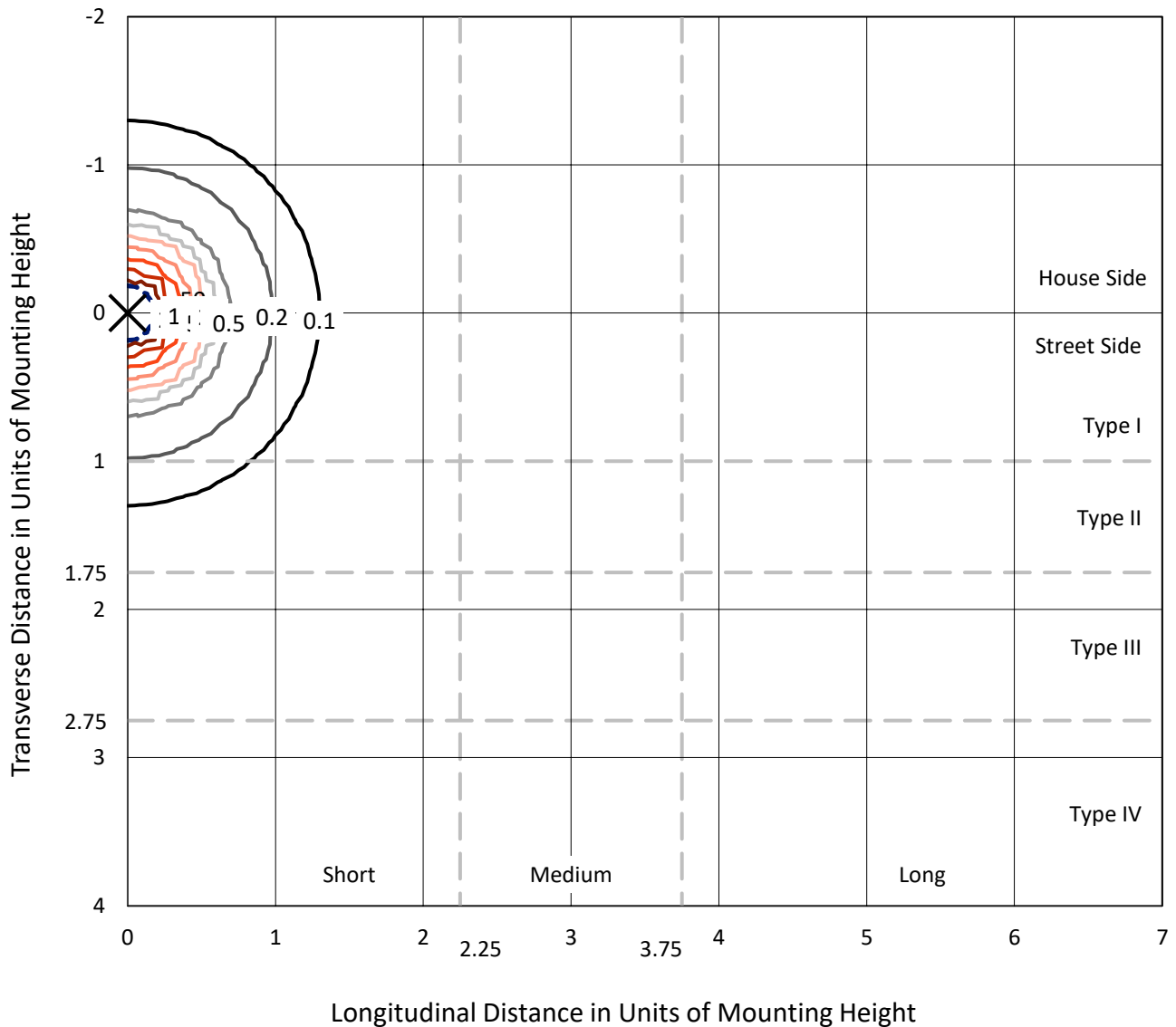
Lumens per Lamp: N/A  
Luminaire Lumens: 10120.1 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8  
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

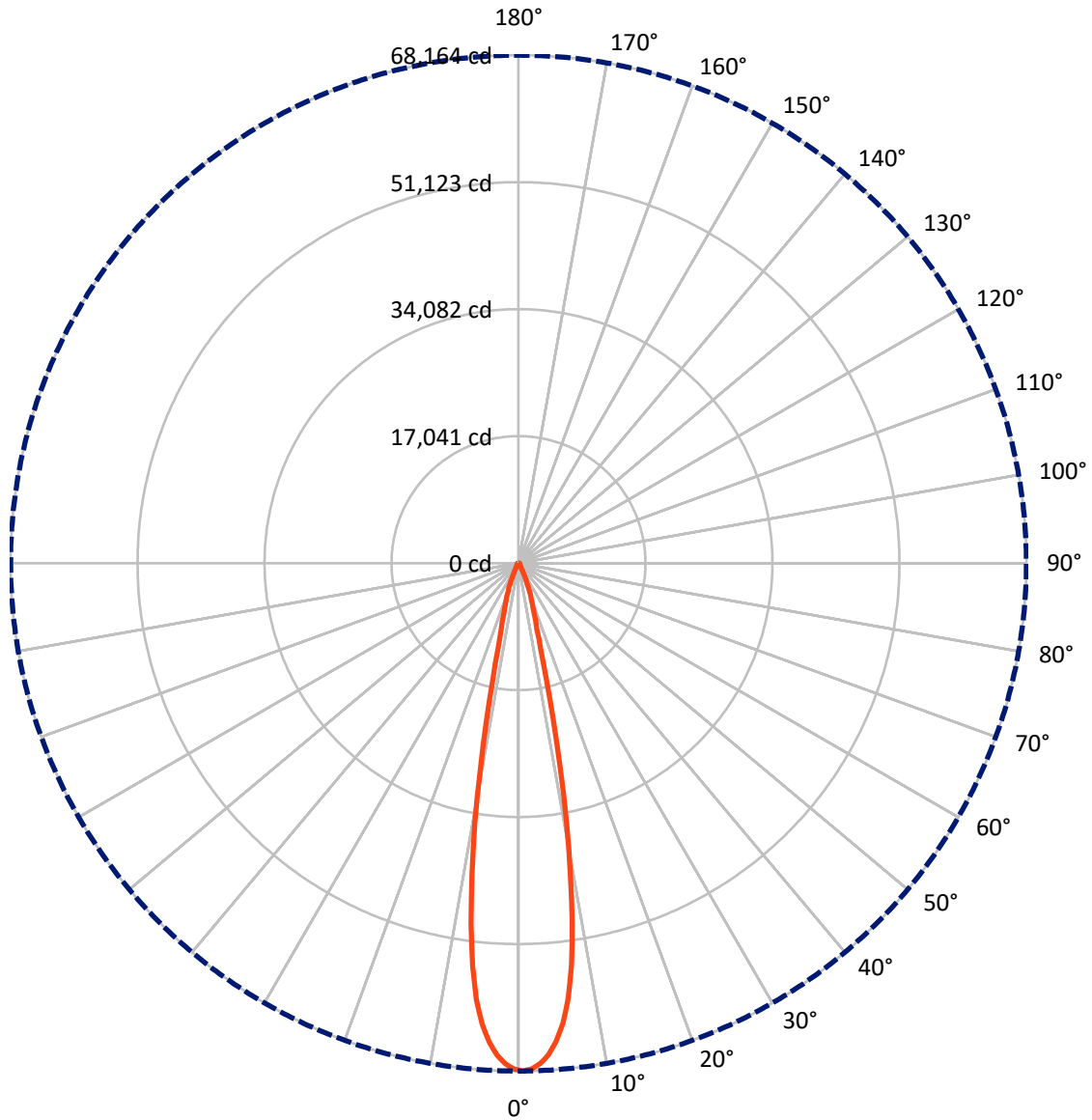
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 170.4 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	5060.1	0.0	5060.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5060.1	0.0	5060.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10120.1	0.0	10120.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5075.1	50.1
10°-20°	3338.3	33.0
20°-30°	897.9	8.9
30°-40°	223.1	2.2
40°-50°	166.5	1.6
50°-60°	153.1	1.5
60°-70°	140.4	1.4
70°-80°	90.8	0.9
80°-90°	34.9	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°	10120.1	100.0
0°-180°	10120.1	100.0

**Coefficient of Utilization**



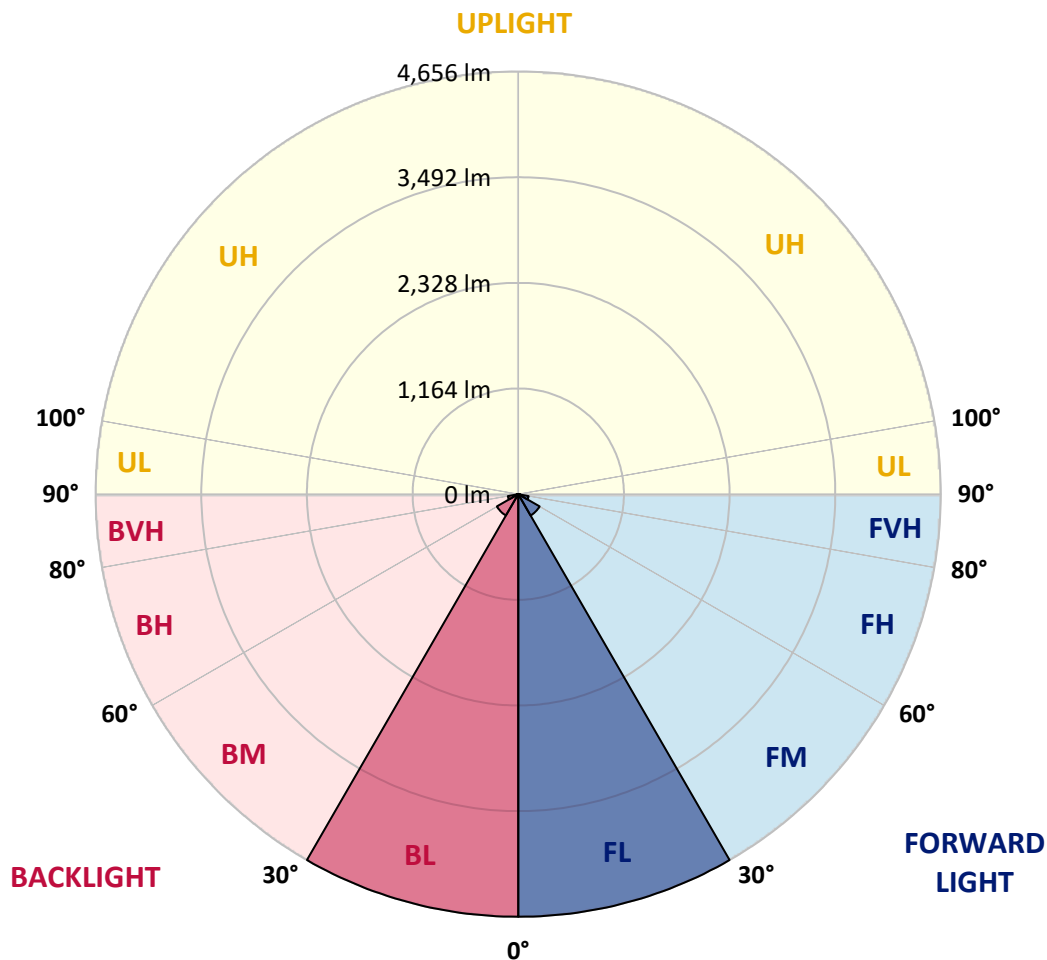
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4655.7	46.0			
FM (30°-60°)	271.4	2.7			
FH (60°-80°)	115.6	1.1			G0/660
FVH (80°-90°)	17.4	0.2			G1/100
BL (0°-30°)	4655.7	46.0	B4/5000		
BM (30°-60°)	271.4	2.7	B1/1000		
BH (60°-80°)	115.6	1.1	B1/500		G0/660
BVH (80°-90°)	17.4	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°	68163.5
1°	67896.8
2°	67224.7
3°	66080.2
4°	64412.6
5°	62090.8
6°	58849.5
7°	54413.1
8°	48787.4
9°	42152.9
10°	35424.5
11°	28196.8
12°	21487.7
13°	15878.5
14°	11883.2
15°	9306.5
17.5°	6238.1
20°	4509.5
22.5°	2973.0
25°	1745.1
27.5°	979.1
30°	546.9
32.5°	399.4
35°	338.3
37.5°	298.0
40°	262.3
42.5°	235.5
45°	211.6
47.5°	195.2
50°	181.8
52.5°	174.4
55°	169.9
57.5°	166.9
60°	162.4
62.5°	153.5
65°	143.1
67.5°	131.1
70°	116.2
72.5°	99.8
75°	84.9
77.5°	71.5
80°	59.6
82.5°	47.7
85°	35.8
87.5°	14.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)