

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: P525742

Luminaire Tested: **IFLD-S-SA2E-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525742  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2E-940-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33  
distribution lens  
Light Source: (32) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

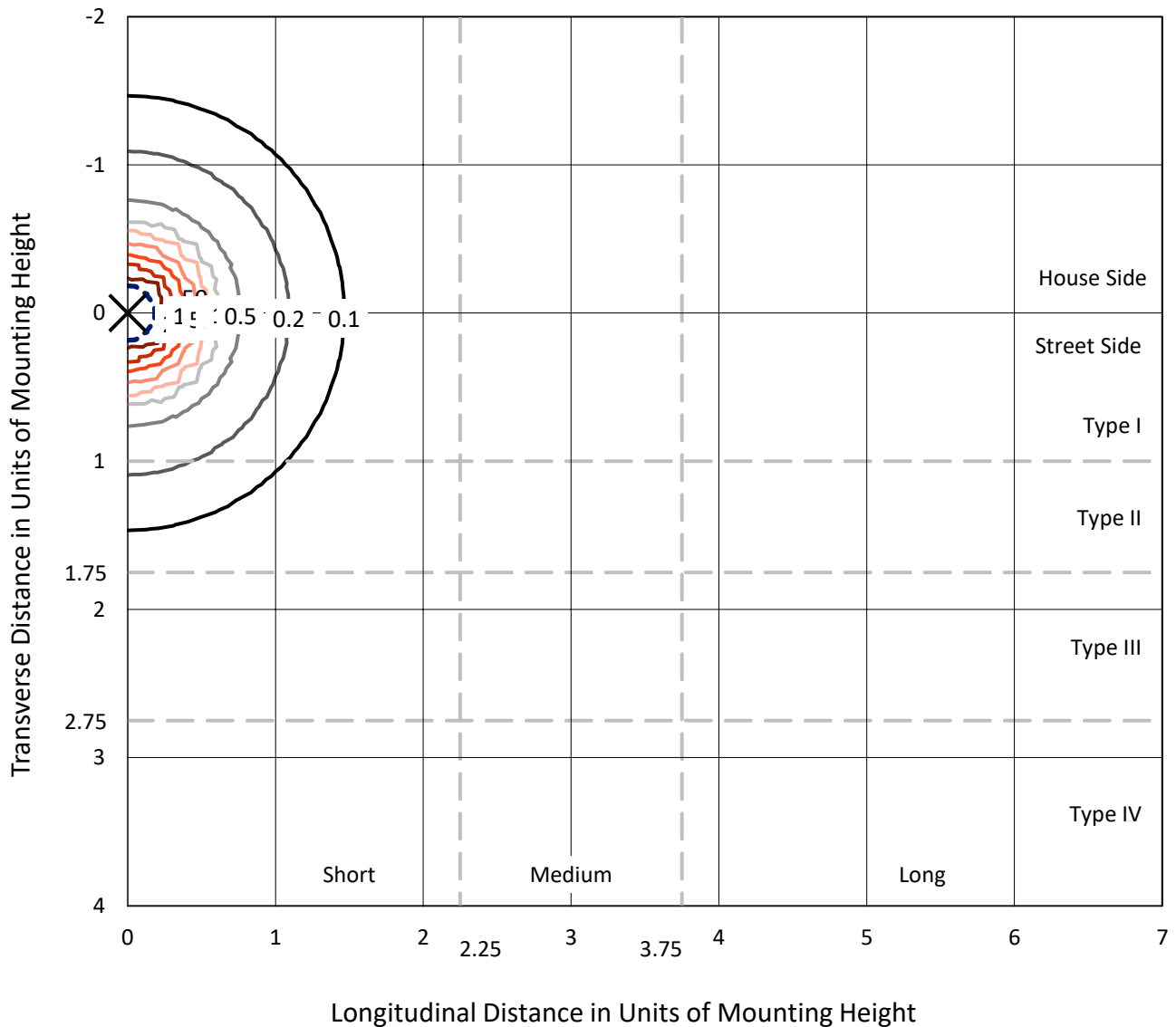
Lumens per Lamp: N/A  
Luminaire Lumens: 13313 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 156.2  
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

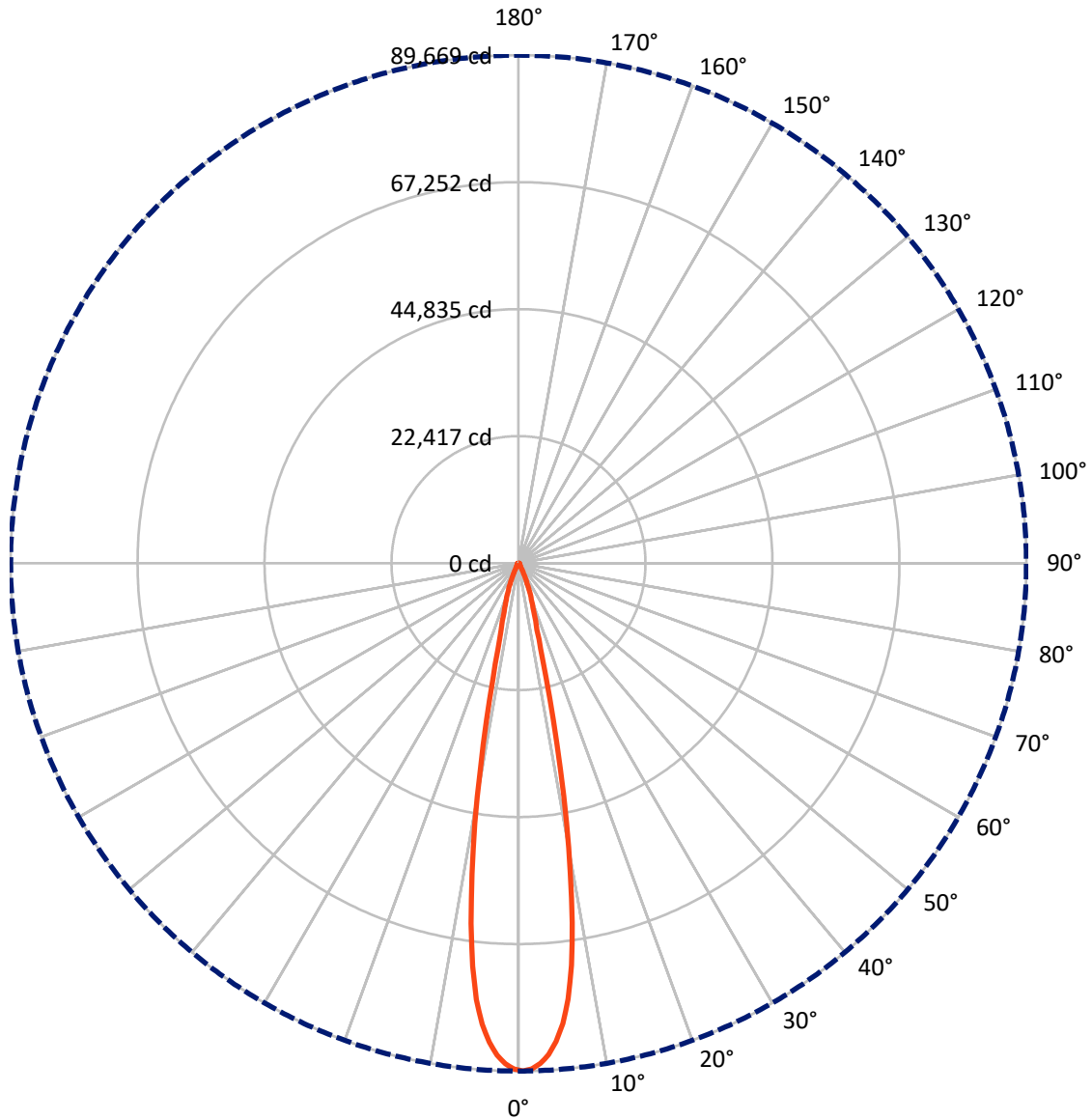
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 224.2 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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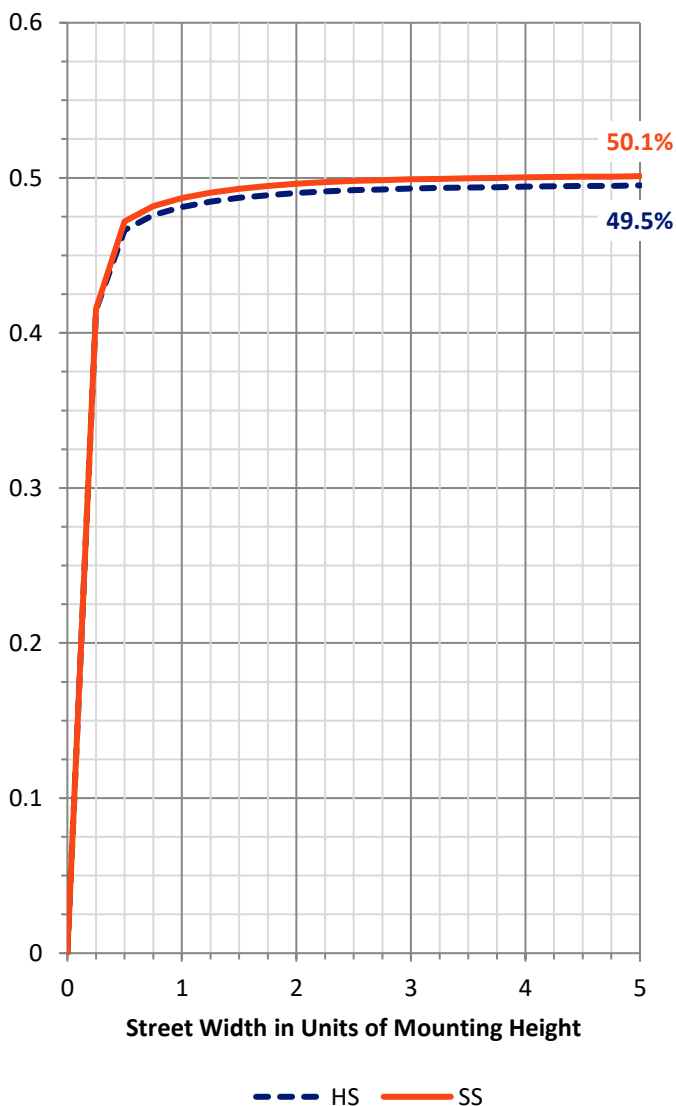
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6656.5	0.0	6656.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6656.5	0.0	6656.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13313.0	0.0	13313.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6676.3	50.1
10°-20°	4391.5	33.0
20°-30°	1181.2	8.9
30°-40°	293.5	2.2
40°-50°	219.0	1.6
50°-60°	201.4	1.5
60°-70°	184.7	1.4
70°-80°	119.5	0.9
80°-90°	45.9	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°	13313.0	100.0
0°-180°	13313.0	100.0



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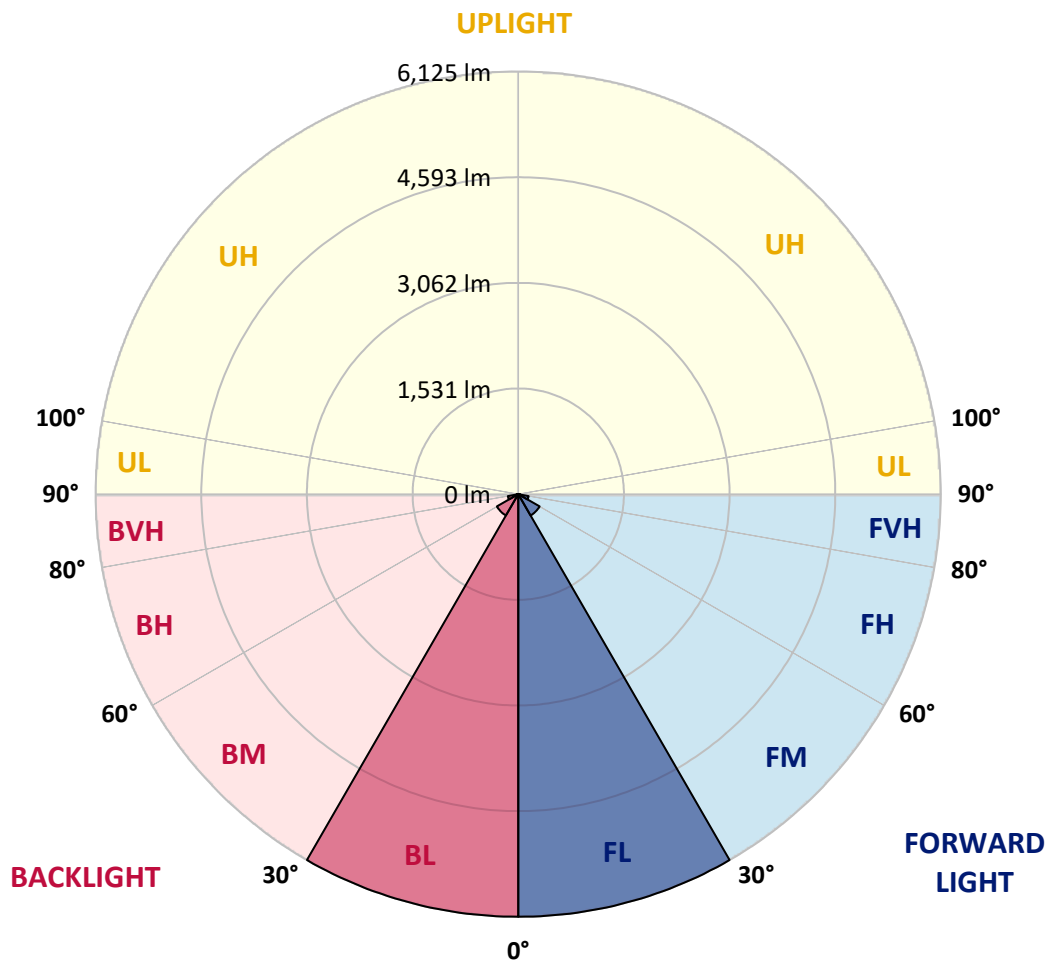
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6124.5	46.0			
FM (30°-60°)	357.0	2.7			
FH (60°-80°)	152.1	1.1			G0/660
FVH (80°-90°)	22.9	0.2			G1/100
BL (0°-30°)	6124.5	46.0	B5		
BM (30°-60°)	357.0	2.7	B1/1000		
BH (60°-80°)	152.1	1.1	B1/500		G0/660
BVH (80°-90°)	22.9	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°	89669.2
1°	89318.3
2°	88434.2
3°	86928.6
4°	84734.9
5°	81680.6
6°	77416.7
7°	71580.5
8°	64180.0
9°	55452.2
10°	46600.9
11°	37093.0
12°	28267.2
13°	20888.2
14°	15632.3
15°	12242.8
17.5°	8206.3
20°	5932.2
22.5°	3911.0
25°	2295.6
27.5°	1288.0
30°	719.5
32.5°	525.4
35°	445.0
37.5°	392.1
40°	345.0
42.5°	309.7
45°	278.4
47.5°	256.8
50°	239.2
52.5°	229.4
55°	223.5
57.5°	219.6
60°	213.7
62.5°	201.9
65°	188.2
67.5°	172.5
70°	152.9
72.5°	131.3
75°	111.7
77.5°	94.1
80°	78.4
82.5°	62.7
85°	47.0
87.5°	19.6



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)