

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: P525769

Luminaire Tested: **IFLD-L-SA7B-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525769  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-940-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (112) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

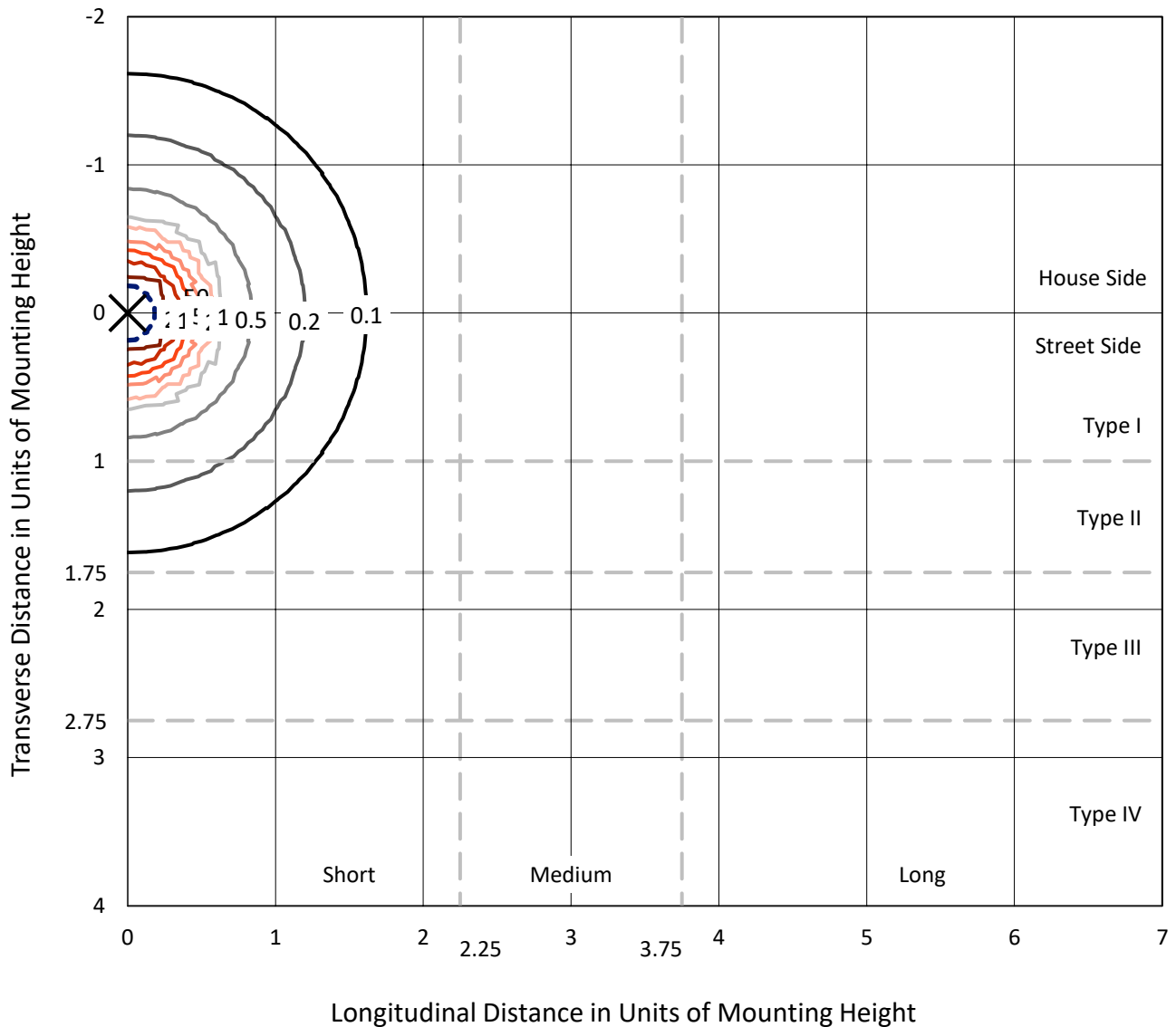
Lumens per Lamp: N/A  
Luminaire Lumens: 26194.6 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 281  
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

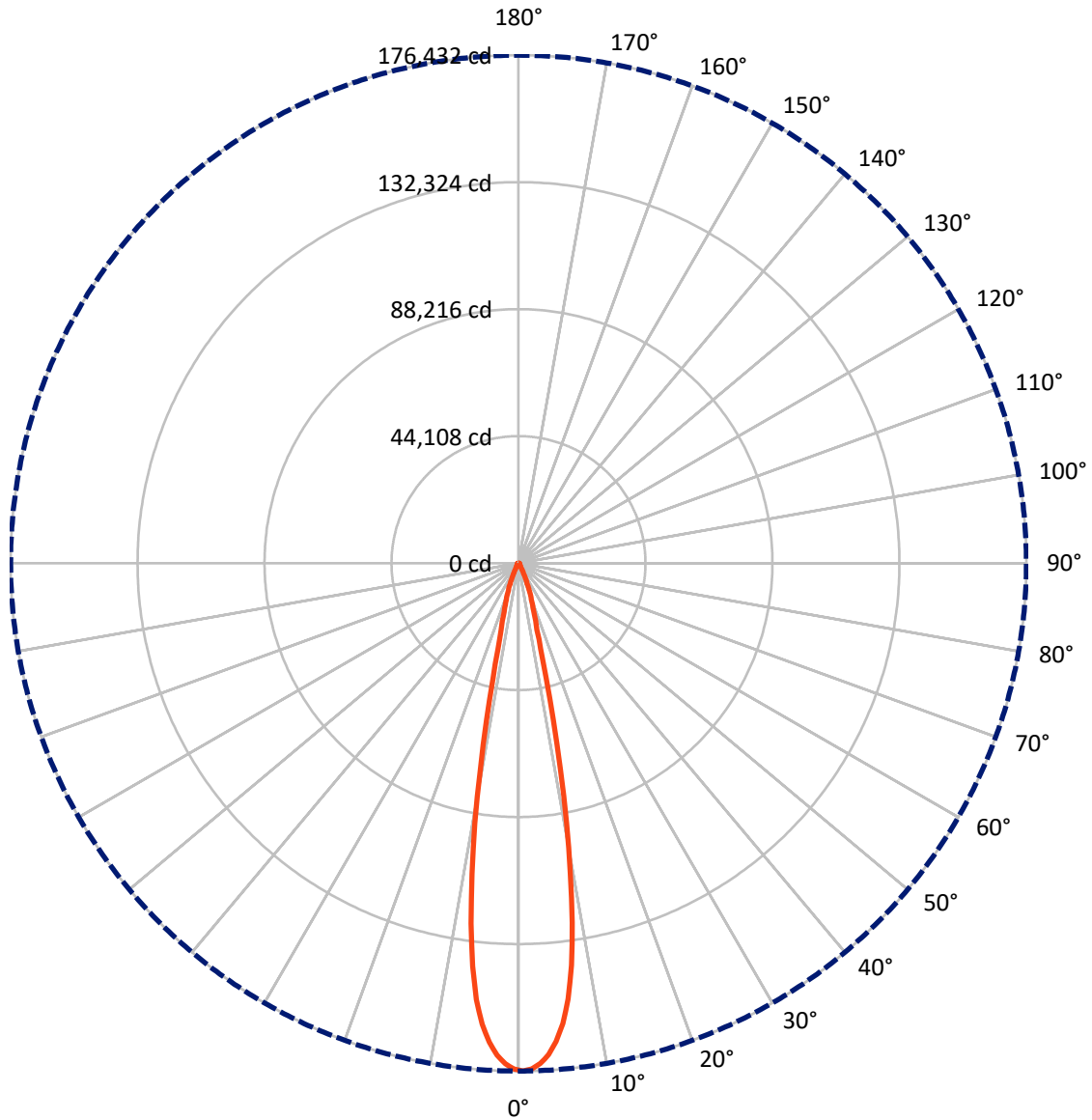
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 282.3 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	13097.3	0.0	13097.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13097.3	0.0	13097.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26194.6	0.0	26194.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13136.3	50.1
10°-20°	8640.7	33.0
20°-30°	2324.2	8.9
30°-40°	577.5	2.2
40°-50°	431.0	1.6
50°-60°	396.3	1.5
60°-70°	363.5	1.4
70°-80°	235.1	0.9
80°-90°	90.3	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°	26194.6	100.0
0°-180°	26194.6	100.0

**Coefficient of Utilization**



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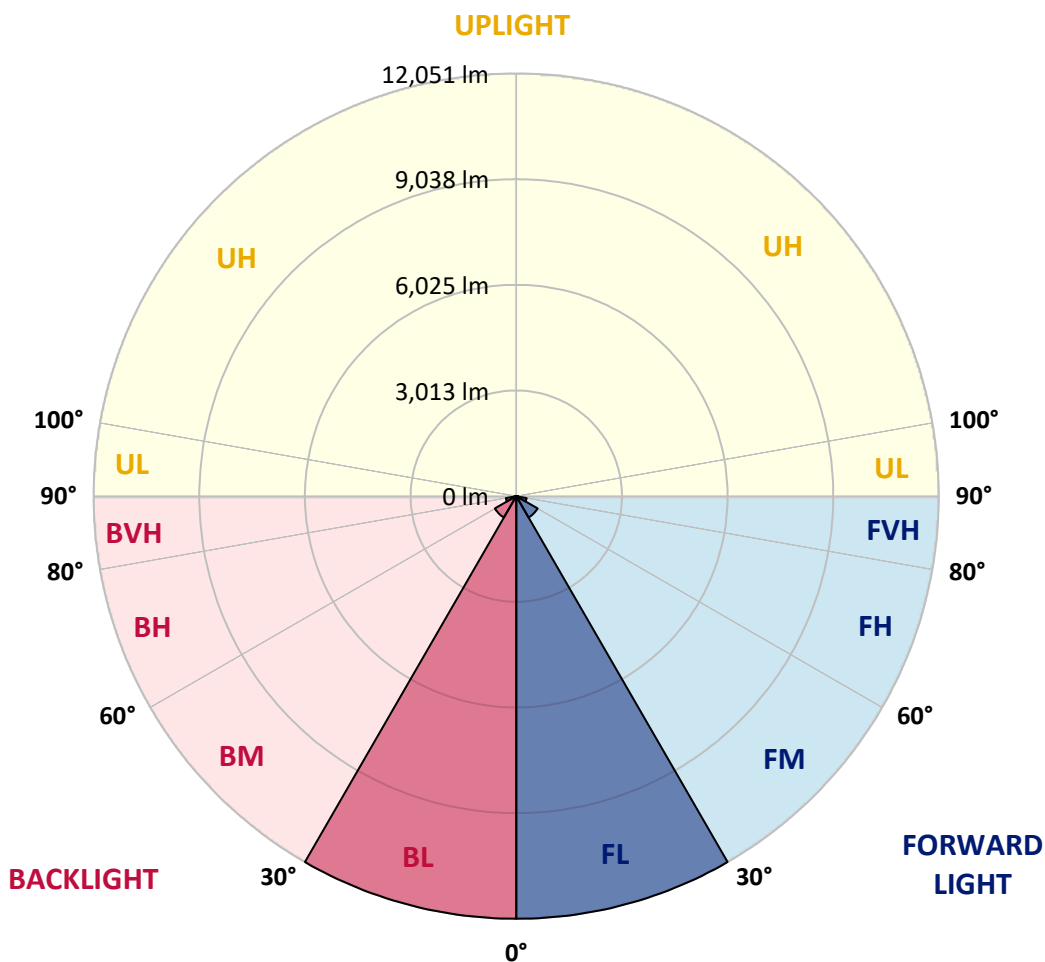
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12050.5	46.0			
FM (30°-60°)	702.4	2.7			
FH (60°-80°)	299.3	1.1			G0/660
FVH (80°-90°)	45.1	0.2			G1/100
BL (0°-30°)	12050.5	46.0	B5		
BM (30°-60°)	702.4	2.7	B1/1000		
BH (60°-80°)	299.3	1.1	B1/500		G0/660
BVH (80°-90°)	45.1	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°	176432.0
1°	175741.6
2°	174001.9
3°	171039.5
4°	166723.2
5°	160713.6
6°	152324.0
7°	140840.9
8°	126279.7
9°	109107.0
10°	91691.4
11°	72983.6
12°	55618.1
13°	41099.3
14°	30758.0
15°	24088.7
17.5°	16146.6
20°	11672.1
22.5°	7695.3
25°	4516.9
27.5°	2534.2
30°	1415.6
32.5°	1033.8
35°	875.6
37.5°	771.5
40°	678.9
42.5°	609.5
45°	547.7
47.5°	505.3
50°	470.6
52.5°	451.3
55°	439.7
57.5°	432.0
60°	420.4
62.5°	397.3
65°	370.3
67.5°	339.4
70°	300.9
72.5°	258.4
75°	219.9
77.5°	185.1
80°	154.3
82.5°	123.4
85°	92.6
87.5°	38.6



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)