

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: P525691

Luminaire Tested: **IFLD-L-SA7B-930-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525691  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-930-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

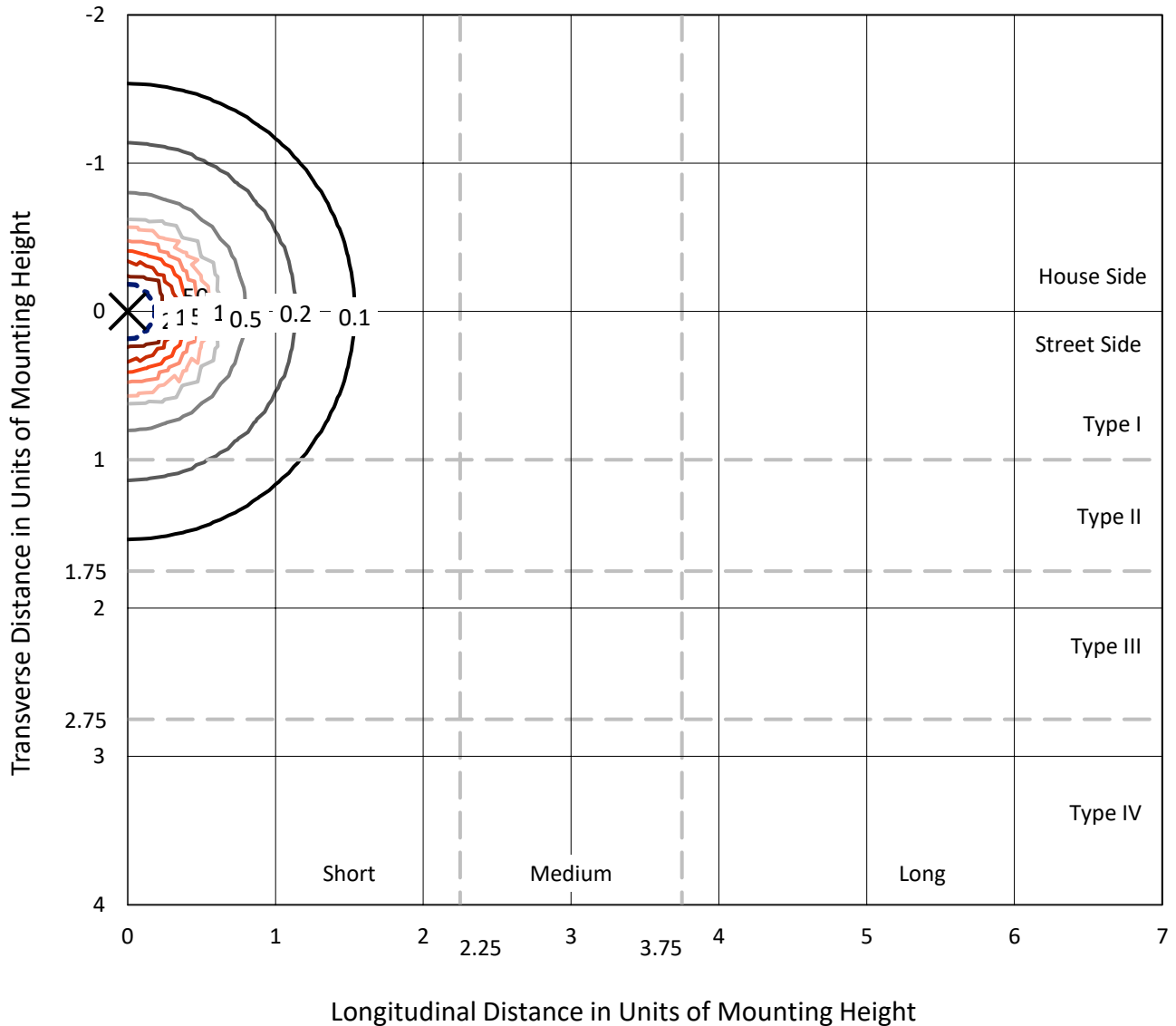
Lumens per Lamp: N/A  
Luminaire Lumens: 23200.6 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

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

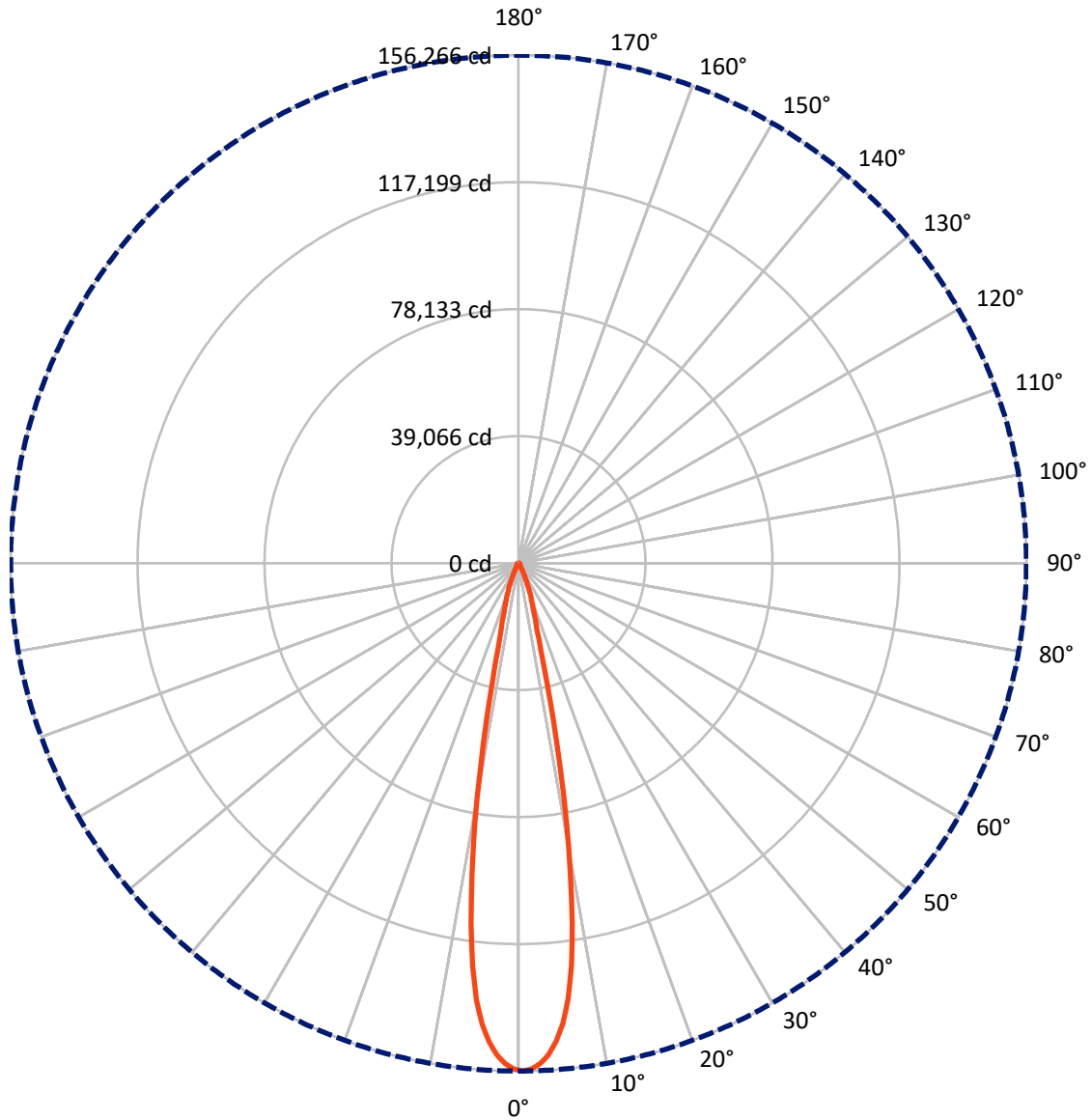
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 250 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	11600.3	0.0	11600.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11600.3	0.0	11600.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23200.6	0.0	23200.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11634.8	50.1
10°-20°	7653.0	33.0
20°-30°	2058.5	8.9
30°-40°	511.5	2.2
40°-50°	381.7	1.6
50°-60°	351.0	1.5
60°-70°	321.9	1.4
70°-80°	208.2	0.9
80°-90°	80.0	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°	23200.6	100.0
0°-180°	23200.6	100.0

**Coefficient of Utilization**



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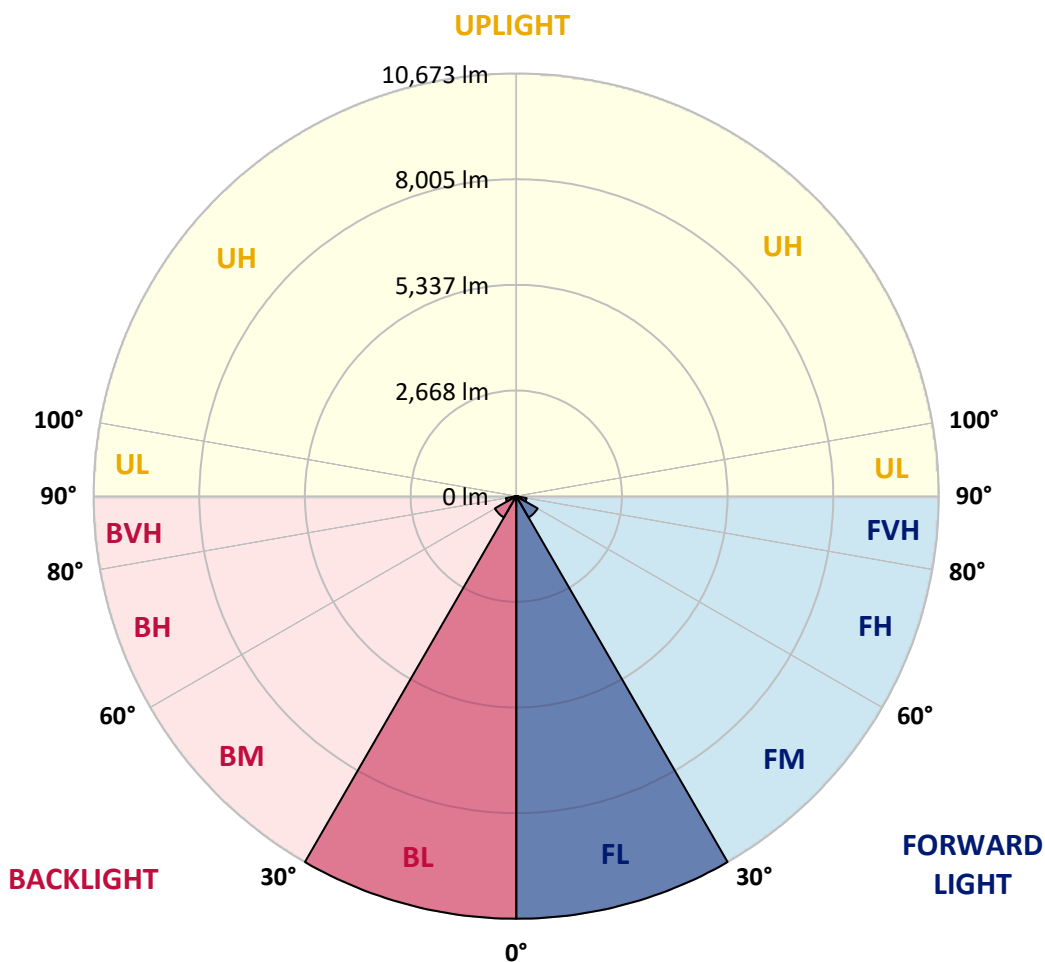
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10673.2	46.0			
FM (30°-60°)	622.1	2.7			
FH (60°-80°)	265.1	1.1			G0/660
FVH (80°-90°)	40.0	0.2			G1/100
BL (0°-30°)	10673.2	46.0	B5		
BM (30°-60°)	622.1	2.7	B1/1000		
BH (60°-80°)	265.1	1.1	B1/500		G0/660
BVH (80°-90°)	40.0	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°	156265.8
1°	155654.3
2°	154113.5
3°	151489.7
4°	147666.8
5°	142344.0
6°	134913.4
7°	124742.8
8°	111845.9
9°	96636.1
10°	81211.1
11°	64641.6
12°	49261.0
13°	36401.7
14°	27242.3
15°	21335.4
17.5°	14301.0
20°	10338.0
22.5°	6815.7
25°	4000.6
27.5°	2244.6
30°	1253.8
32.5°	915.6
35°	775.5
37.5°	683.3
40°	601.3
42.5°	539.8
45°	485.1
47.5°	447.5
50°	416.8
52.5°	399.7
55°	389.5
57.5°	382.6
60°	372.4
62.5°	351.9
65°	328.0
67.5°	300.6
70°	266.5
72.5°	228.9
75°	194.7
77.5°	164.0
80°	136.7
82.5°	109.3
85°	82.0
87.5°	34.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)