

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: P525681

Luminaire Tested: **IFLD-S-SA6B-930-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525681  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-930-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (96) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

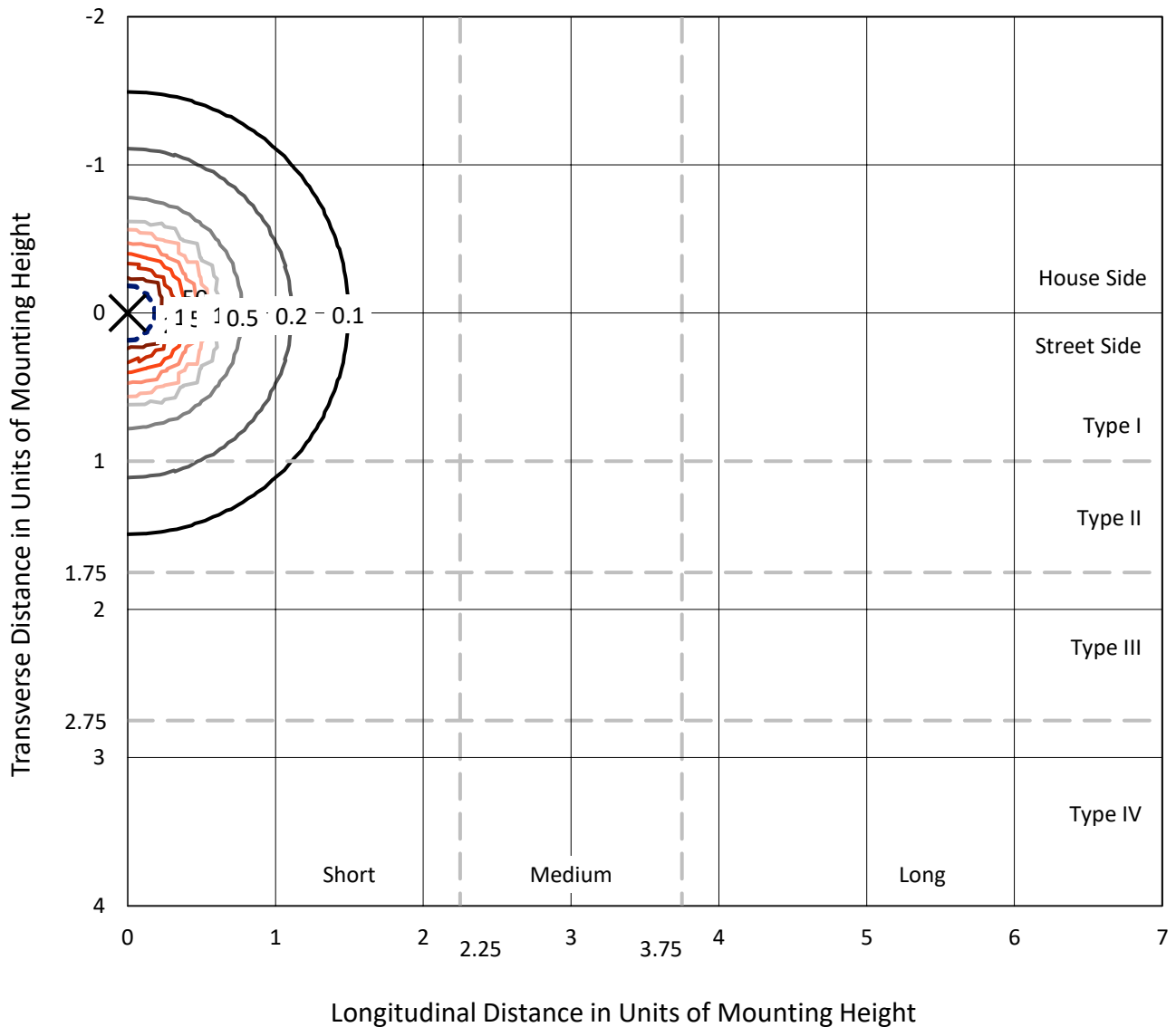
Lumens per Lamp: N/A  
Luminaire Lumens: 21746.2 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9  
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

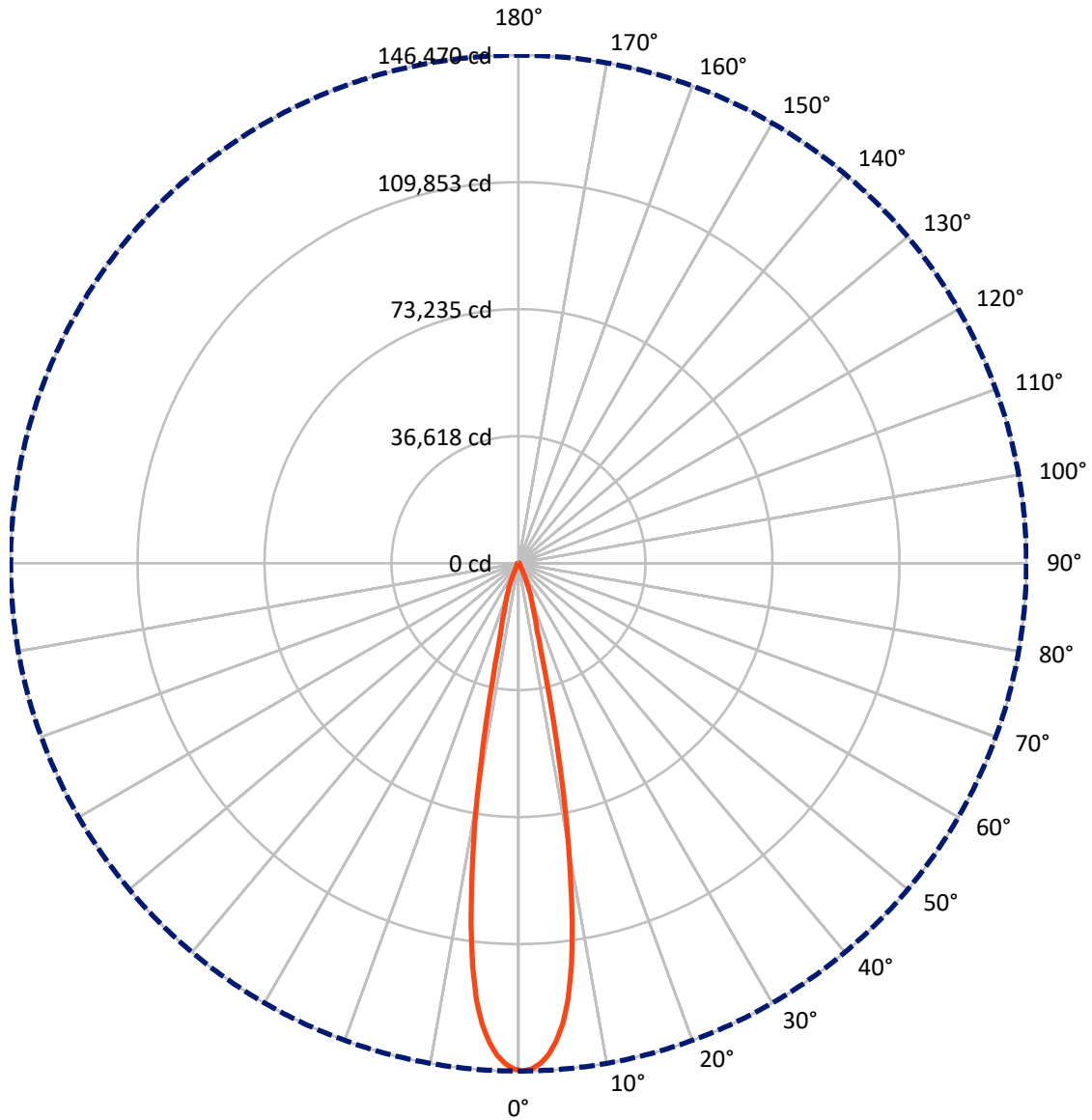
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 234.4 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	10873.1	0.0	10873.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10873.1	0.0	10873.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21746.2	0.0	21746.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10905.4	50.1
10°-20°	7173.3	33.0
20°-30°	1929.5	8.9
30°-40°	479.4	2.2
40°-50°	357.8	1.6
50°-60°	329.0	1.5
60°-70°	301.7	1.4
70°-80°	195.1	0.9
80°-90°	75.0	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°	21746.2	100.0
0°-180°	21746.2	100.0

**Coefficient of Utilization**



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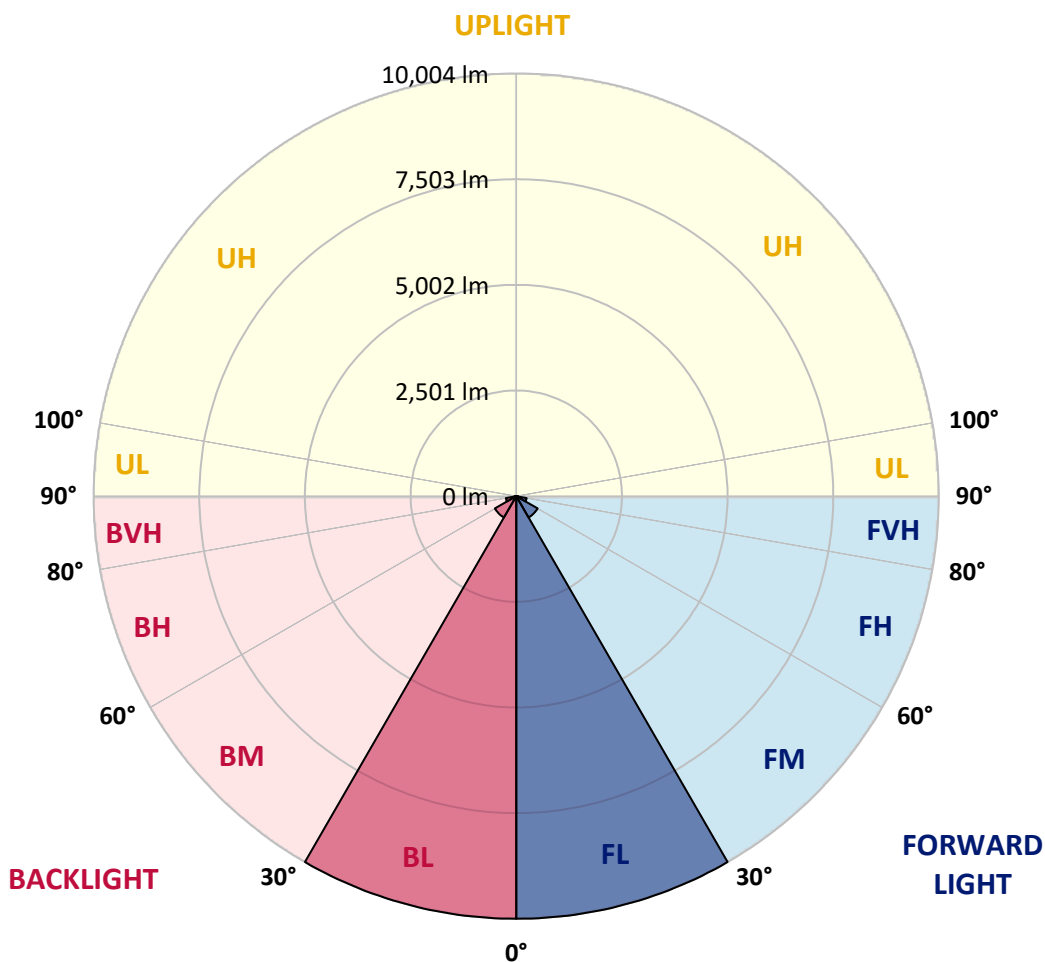
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10004.1	46.0			
FM (30°-60°)	583.1	2.7			
FH (60°-80°)	248.4	1.1			G0/660
FVH (80°-90°)	37.5	0.2			G1/100
BL (0°-30°)	10004.1	46.0	B5		
BM (30°-60°)	583.1	2.7	B1/1000		
BH (60°-80°)	248.4	1.1	B1/500		G0/660
BVH (80°-90°)	37.5	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°	146470.0
1°	145896.8
2°	144452.6
3°	141993.3
4°	138410.0
5°	133421.0
6°	126456.1
7°	116923.1
8°	104834.6
9°	90578.3
10°	76120.2
11°	60589.4
12°	46173.0
13°	34119.8
14°	25534.6
15°	19997.9
17.5°	13404.5
20°	9690.0
22.5°	6388.5
25°	3749.8
27.5°	2103.9
30°	1175.2
32.5°	858.2
35°	726.9
37.5°	640.4
40°	563.6
42.5°	506.0
45°	454.7
47.5°	419.5
50°	390.7
52.5°	374.7
55°	365.1
57.5°	358.6
60°	349.0
62.5°	329.8
65°	307.4
67.5°	281.8
70°	249.8
72.5°	214.5
75°	182.5
77.5°	153.7
80°	128.1
82.5°	102.5
85°	76.9
87.5°	32.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)