

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: P525859

Luminaire Tested: **IFLD-S-SA2E-930-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525859  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2E-930-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (32) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

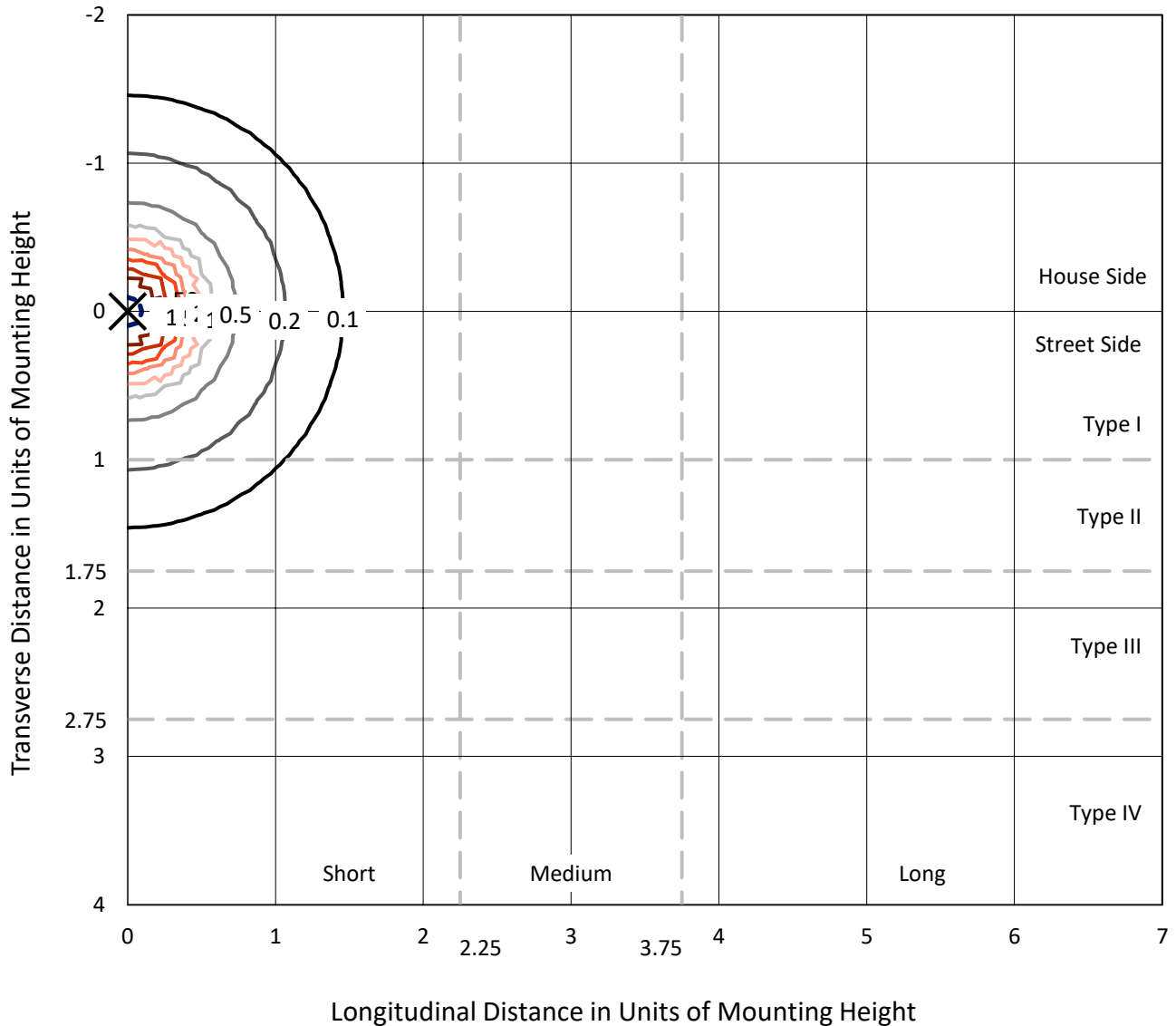
Lumens per Lamp: N/A  
Luminaire Lumens: 11835.2 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

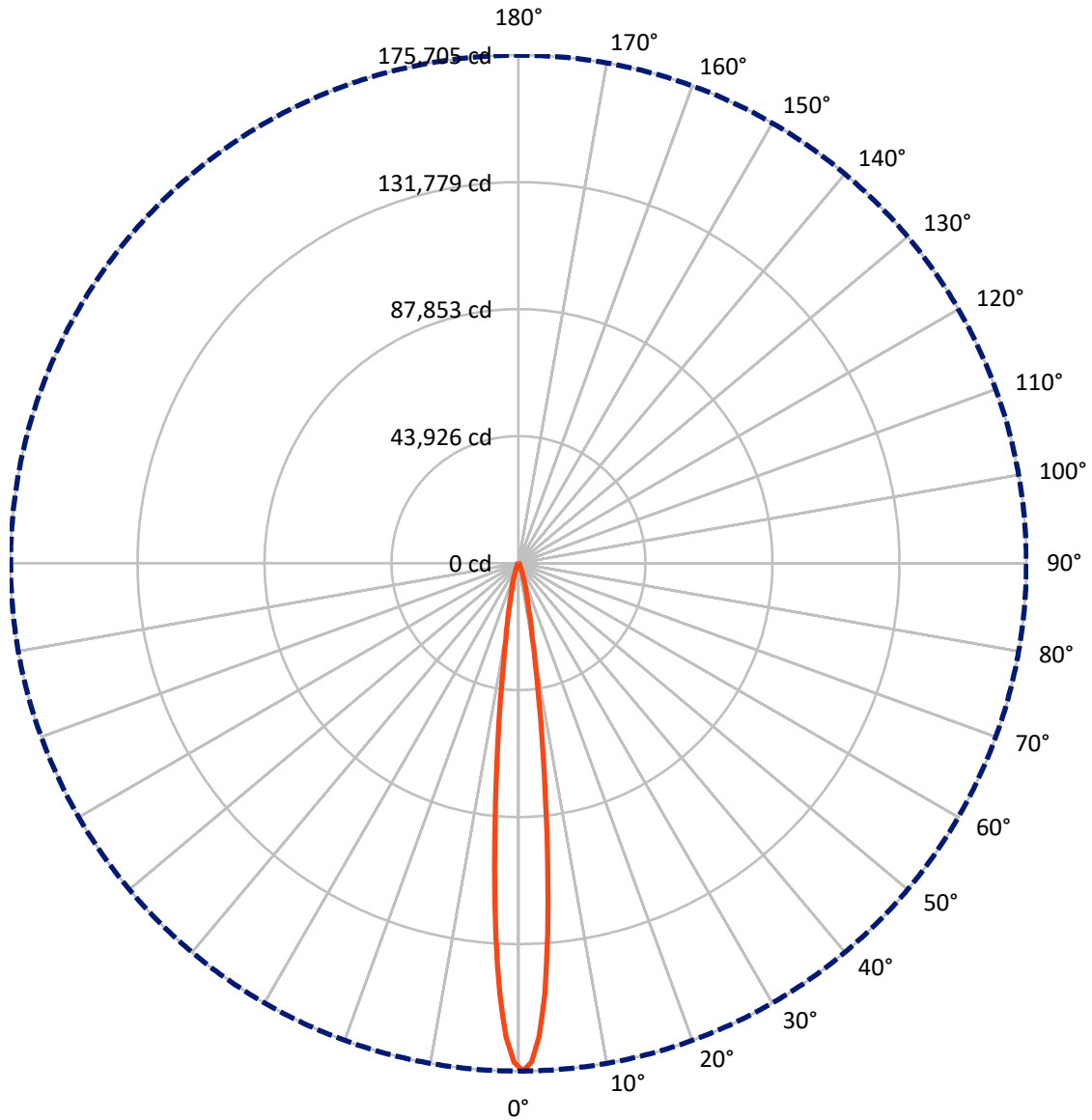
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 439.3 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	5917.6	0.0	5917.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5917.6	0.0	5917.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11835.2	0.0	11835.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7261.8	61.4
10°-20°	2889.6	24.4
20°-30°	666.3	5.6
30°-40°	252.9	2.1
40°-50°	206.4	1.7
50°-60°	198.3	1.7
60°-70°	189.9	1.6
70°-80°	125.7	1.1
80°-90°	44.2	0.4
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°	11835.2	100.0
0°-180°	11835.2	100.0

**Coefficient of Utilization**



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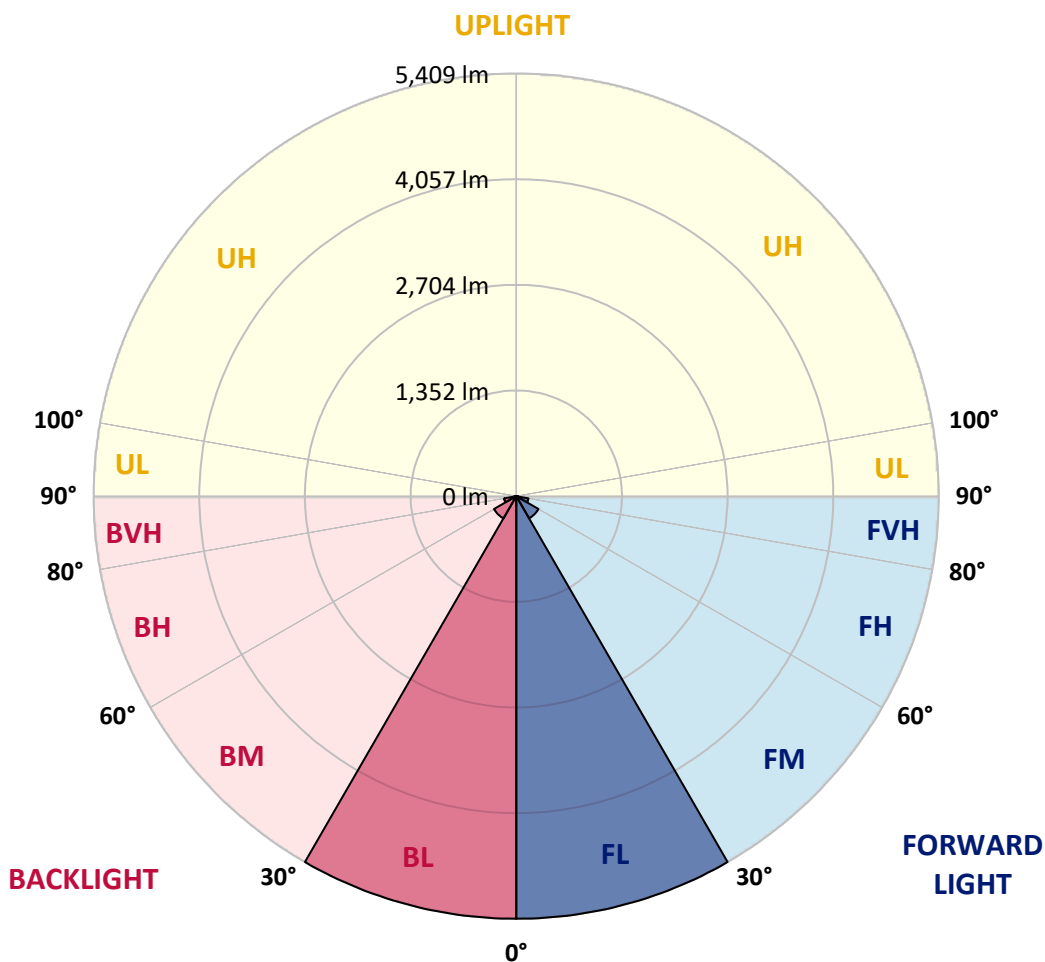
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5408.8	45.7			
FM (30°-60°)	328.8	2.8			
FH (60°-80°)	157.8	1.3			G0/660
FVH (80°-90°)	22.1	0.2			G1/100
BL (0°-30°)	5408.8	45.7	B5		
BM (30°-60°)	328.8	2.8	B1/1000		
BH (60°-80°)	157.8	1.3	B1/500		G0/660
BVH (80°-90°)	22.1	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°	175705.1
1°	172614.1
2°	163956.1
3°	149084.9
4°	128638.0
5°	105582.8
6°	83006.9
7°	63587.9
8°	47459.6
9°	35384.1
10°	26387.5
12.5°	14381.5
15°	9227.6
17.5°	6227.0
20°	3702.2
22.5°	2059.5
25°	1177.3
27.5°	746.7
30°	538.3
32.5°	439.3
35°	390.7
37.5°	362.9
40°	326.5
42.5°	290.0
45°	258.7
47.5°	243.1
50°	232.7
52.5°	225.7
55°	220.5
57.5°	217.1
60°	210.1
62.5°	204.9
65°	194.5
67.5°	180.6
70°	163.2
72.5°	140.7
75°	118.1
77.5°	97.2
80°	78.1
82.5°	60.8
85°	45.1
87.5°	17.4
90°	0.0

(END OF REPORT)