

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: P525707

Luminaire Tested: **IFLD-S-SA3D-935-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525707  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-935-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (48) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

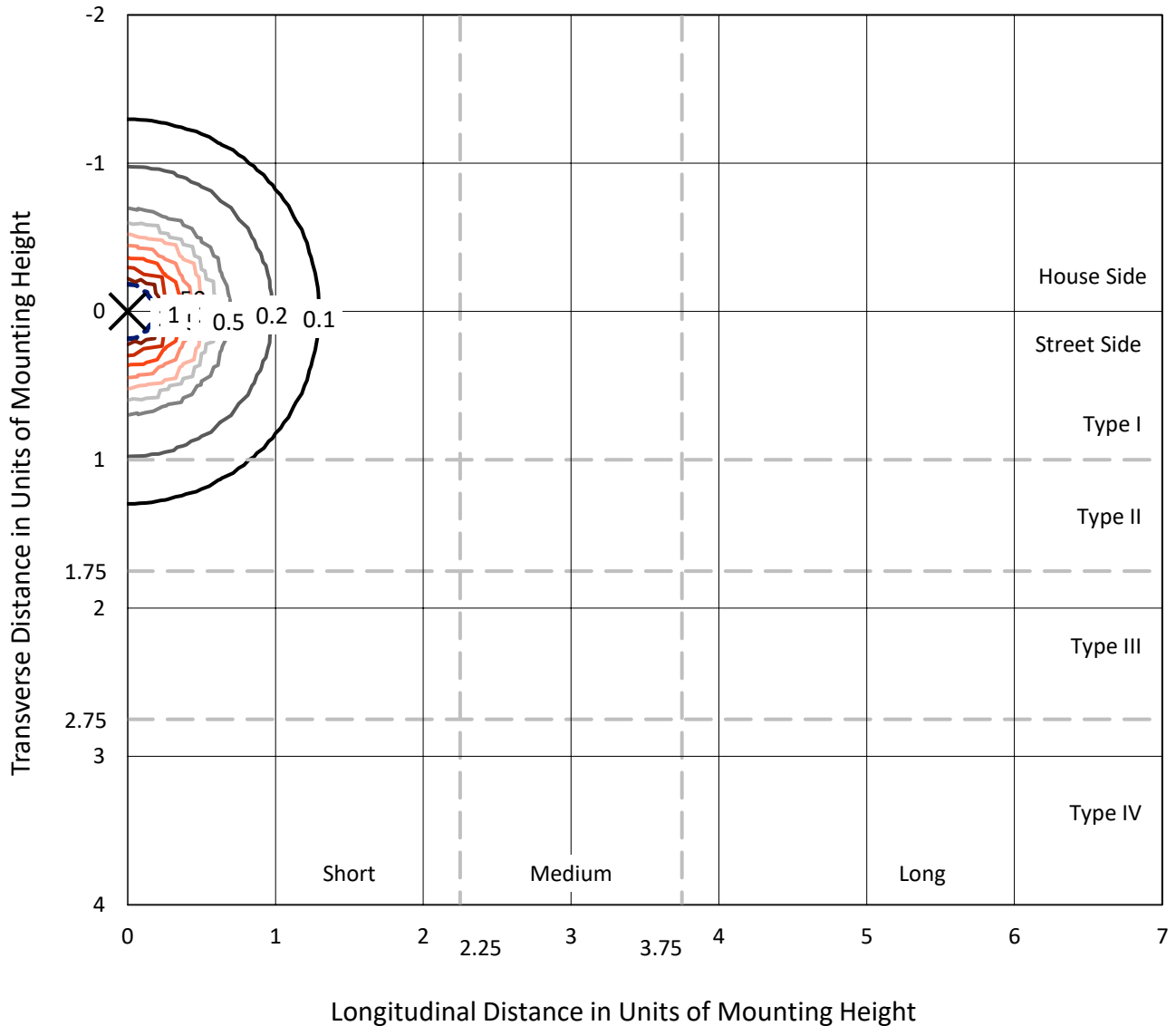
Lumens per Lamp: N/A  
Luminaire Lumens: 15753.2 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 184.1  
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

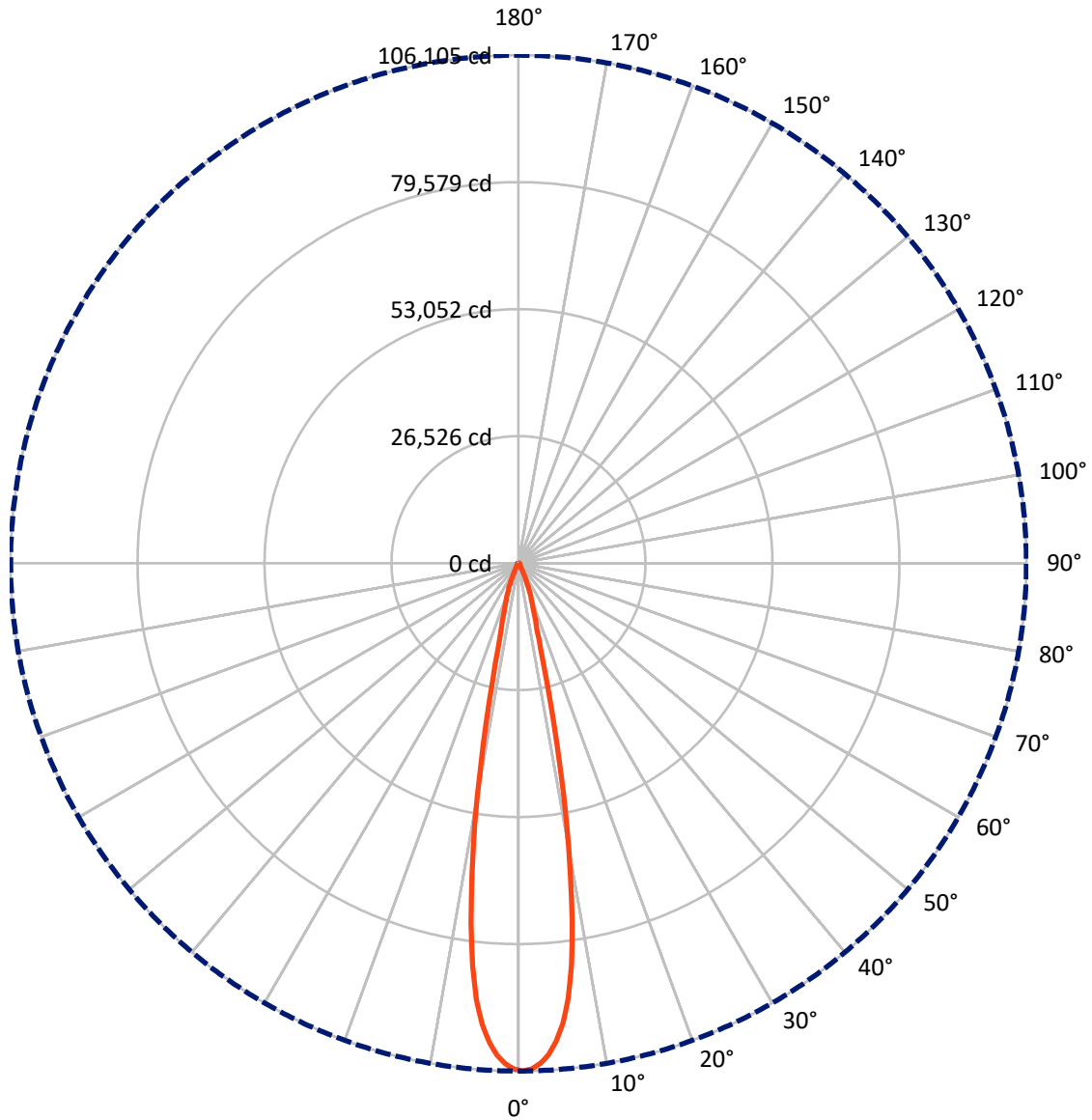
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 169.8 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	7876.6	0.0	7876.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7876.6	0.0	7876.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15753.2	0.0	15753.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7900.0	50.1
10°-20°	5196.4	33.0
20°-30°	1397.7	8.9
30°-40°	347.3	2.2
40°-50°	259.2	1.6
50°-60°	238.3	1.5
60°-70°	218.6	1.4
70°-80°	141.4	0.9
80°-90°	54.3	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°	15753.2	100.0
0°-180°	15753.2	100.0

**Coefficient of Utilization**



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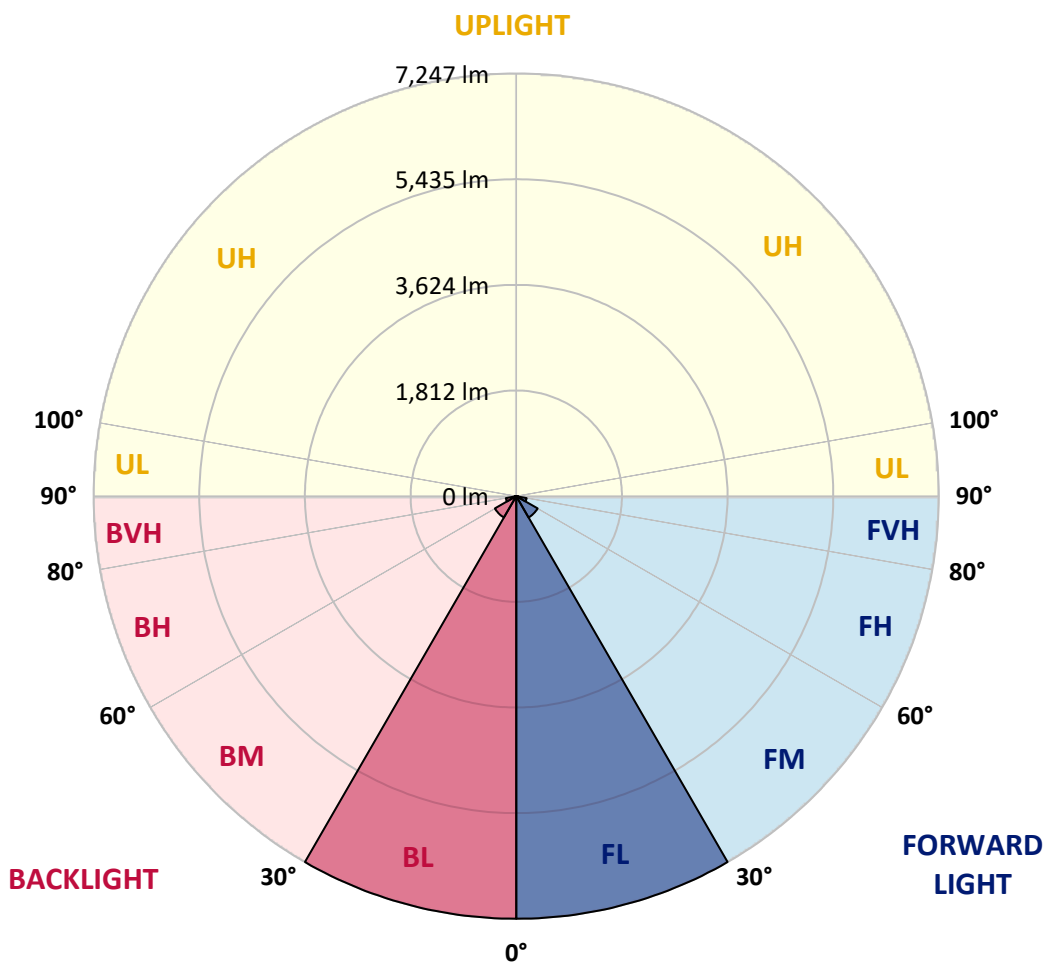
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7247.1	46.0			
FM (30°-60°)	422.4	2.7			
FH (60°-80°)	180.0	1.1			G0/660
FVH (80°-90°)	27.1	0.2			G1/100
BL (0°-30°)	7247.1	46.0	B5		
BM (30°-60°)	422.4	2.7	B1/1000		
BH (60°-80°)	180.0	1.1	B1/500		G0/660
BVH (80°-90°)	27.1	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°	106104.8
1°	105689.5
2°	104643.3
3°	102861.8
4°	100266.0
5°	96651.8
6°	91606.4
7°	84700.6
8°	75943.5
9°	65616.1
10°	55142.5
11°	43891.7
12°	33448.3
13°	24716.8
14°	18497.6
15°	14486.8
17.5°	9710.4
20°	7019.5
22.5°	4627.9
25°	2716.4
27.5°	1524.1
30°	851.3
32.5°	621.7
35°	526.6
37.5°	463.9
40°	408.3
42.5°	366.5
45°	329.4
47.5°	303.9
50°	283.0
52.5°	271.4
55°	264.5
57.5°	259.8
60°	252.9
62.5°	238.9
65°	222.7
67.5°	204.1
70°	180.9
72.5°	155.4
75°	132.2
77.5°	111.3
80°	92.8
82.5°	74.2
85°	55.7
87.5°	23.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)