

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: P525930

Luminaire Tested: **IFLD-L-SA8B-935-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525930  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-935-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (128) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

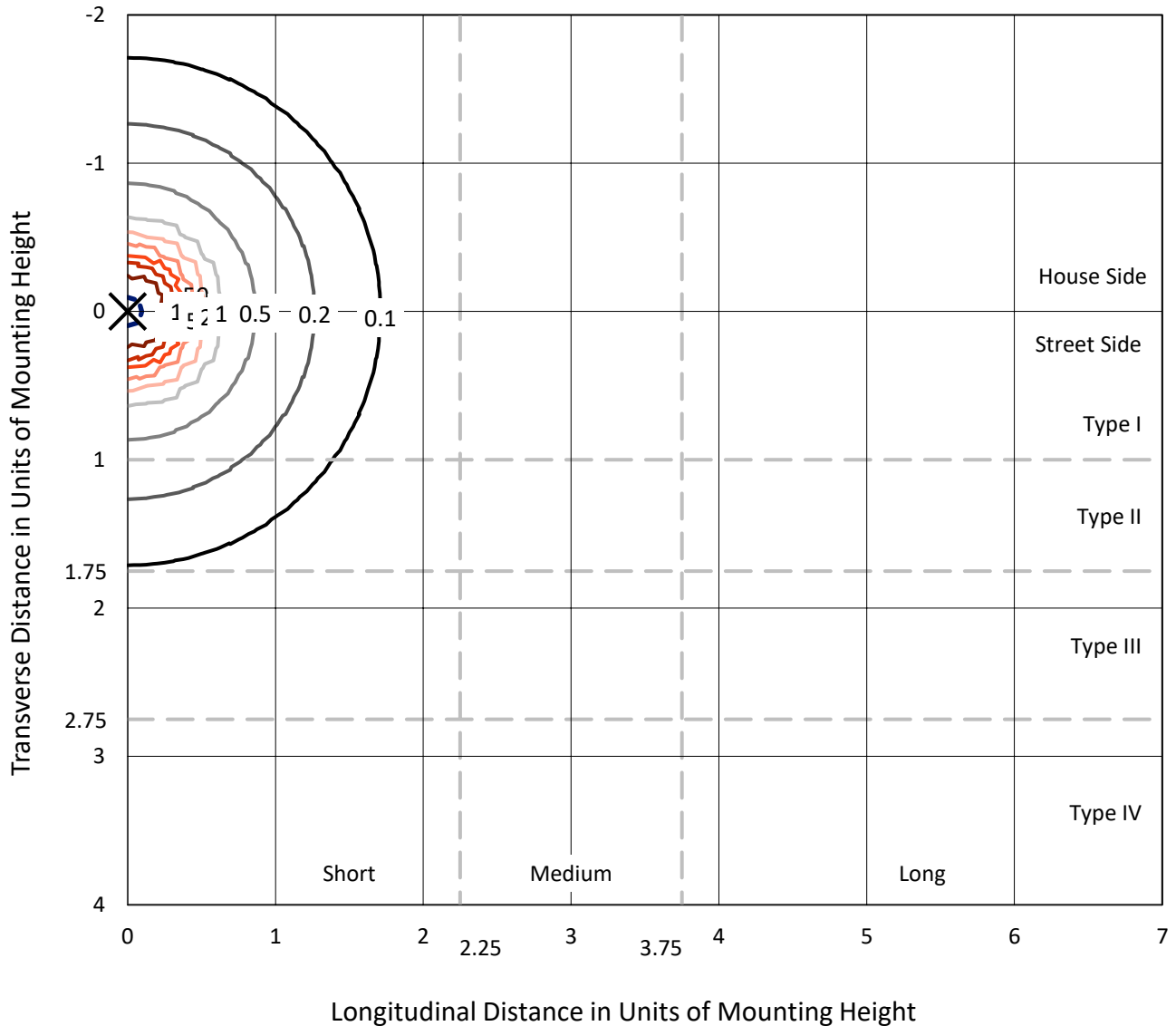
Lumens per Lamp: N/A  
Luminaire Lumens: 27160.1 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 320  
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

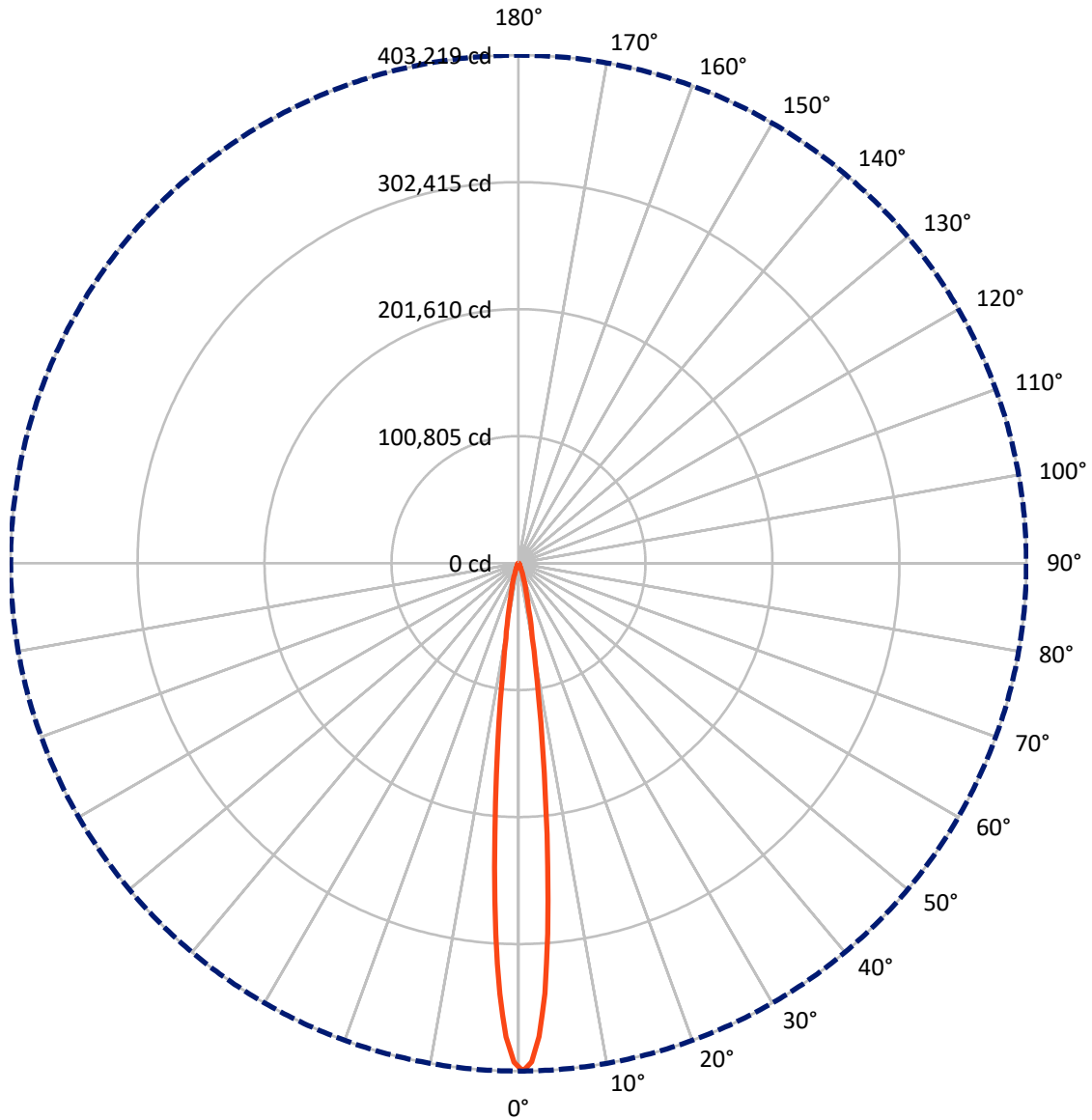
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 645.2 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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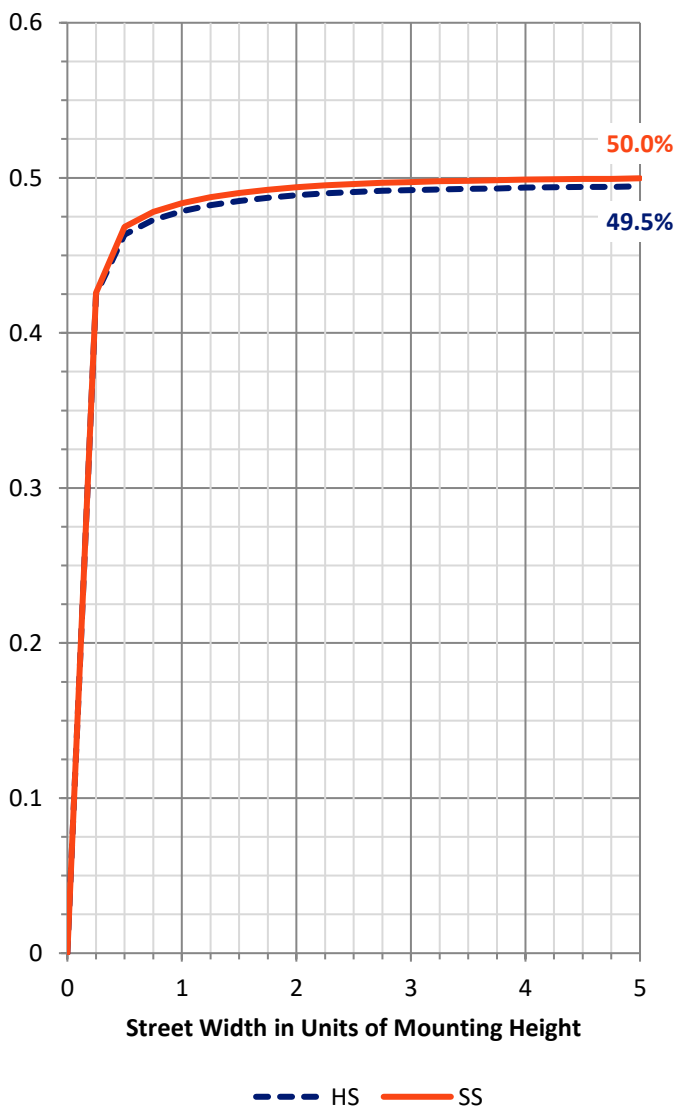
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13580.1	0.0	13580.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13580.1	0.0	13580.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27160.1	0.0	27160.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16664.9	61.4
10°-20°	6631.2	24.4
20°-30°	1529.0	5.6
30°-40°	580.5	2.1
40°-50°	473.8	1.7
50°-60°	455.0	1.7
60°-70°	435.9	1.6
70°-80°	288.6	1.1
80°-90°	101.4	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°	27160.1	100.0
0°-180°	27160.1	100.0

**Coefficient of Utilization**



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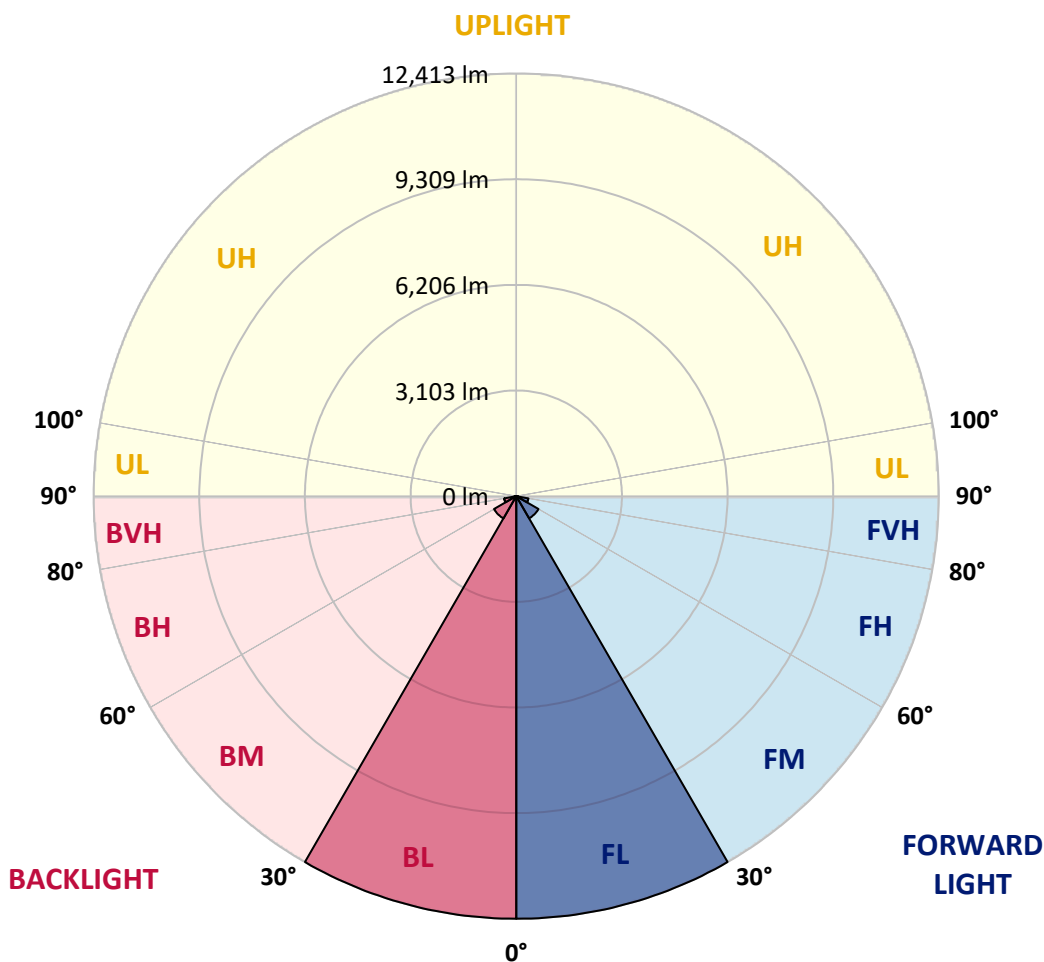
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12412.5	45.7			
FM (30°-60°)	754.6	2.8			
FH (60°-80°)	362.2	1.3			G0/660
FVH (80°-90°)	50.7	0.2			G1/100
BL (0°-30°)	12412.5	45.7	B5		
BM (30°-60°)	754.6	2.8	B1/1000		
BH (60°-80°)	362.2	1.3	B1/500		G0/660
BVH (80°-90°)	50.7	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°	403219.4
1°	396126.2
2°	376257.1
3°	342129.8
4°	295206.8
5°	242298.3
6°	190489.7
7°	145925.7
8°	108913.3
9°	81201.8
10°	60555.6
12.5°	33003.5
15°	21176.1
17.5°	14290.1
20°	8496.0
22.5°	4726.2
25°	2701.8
27.5°	1713.5
30°	1235.3
32.5°	1008.2
35°	896.6
37.5°	832.9
40°	749.2
42.5°	665.5
45°	593.8
47.5°	557.9
50°	534.0
52.5°	518.0
55°	506.1
57.5°	498.1
60°	482.2
62.5°	470.2
65°	446.3
67.5°	414.4
70°	374.6
72.5°	322.8
75°	271.0
77.5°	223.2
80°	179.3
82.5°	139.5
85°	103.6
87.5°	39.8
90°	0.0

(END OF REPORT)