

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: P525726

Luminaire Tested: **IFLD-M-SA4C-935-U-33**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525726  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-935-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (64) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

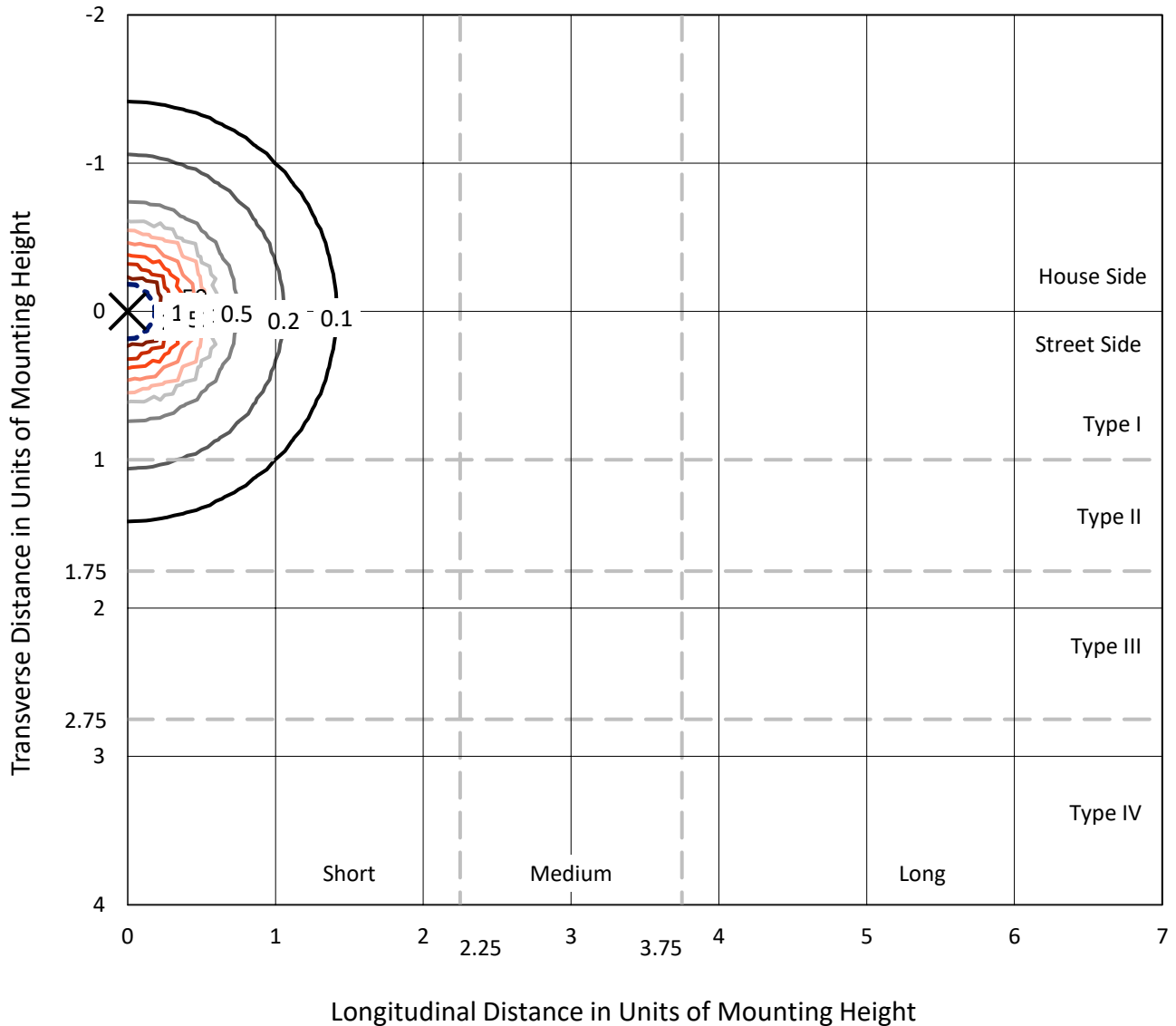
Lumens per Lamp: N/A  
Luminaire Lumens: 19217 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 218.1  
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

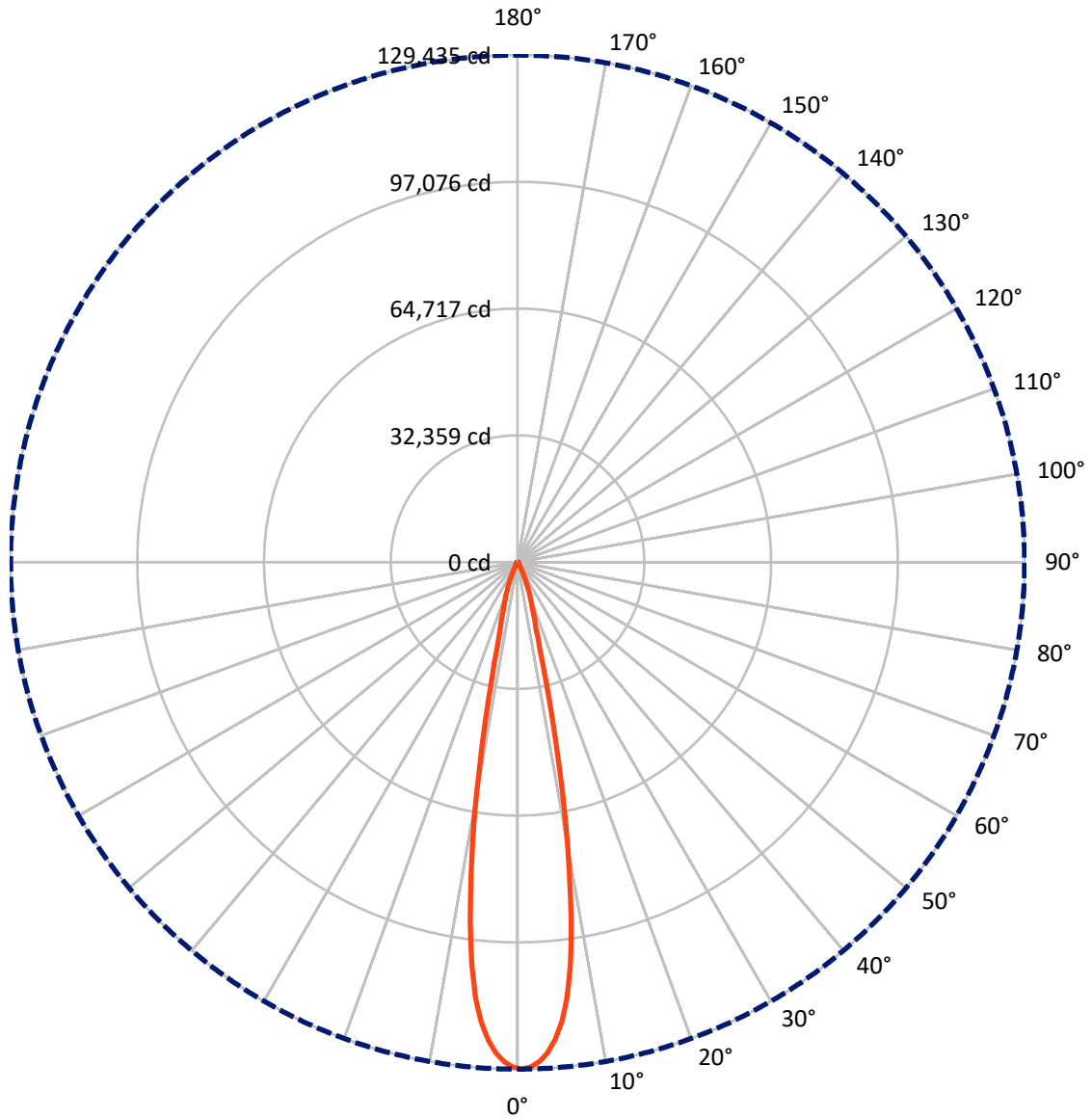
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 207.1 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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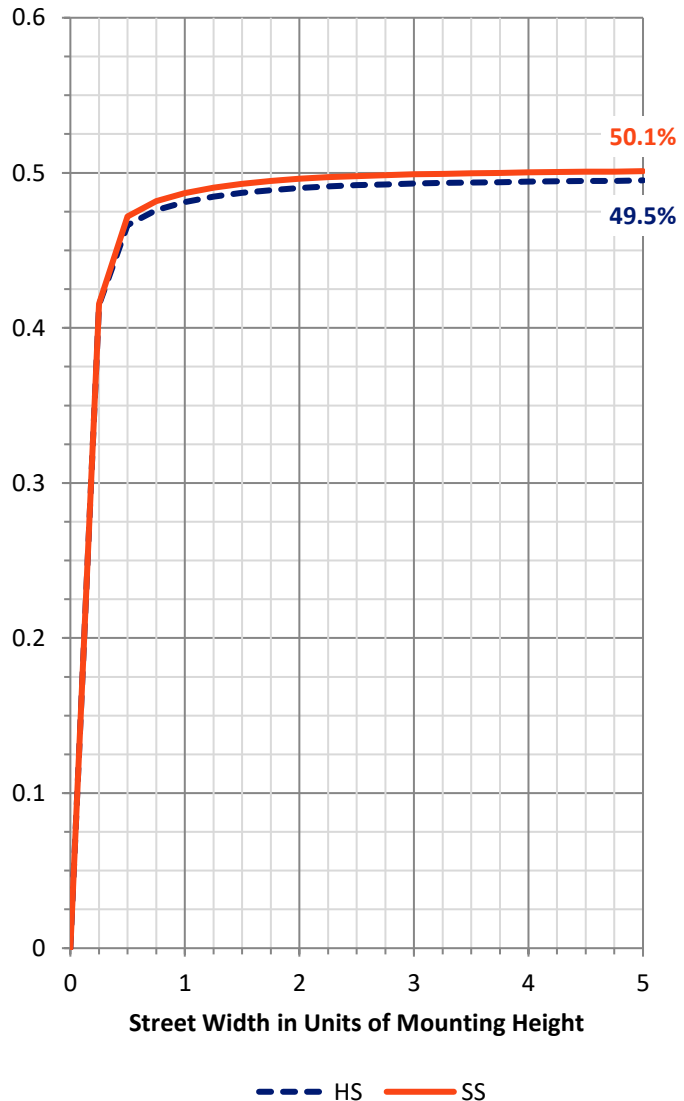
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9608.5	0.0	9608.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9608.5	0.0	9608.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19217.0	0.0	19217.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9637.1	50.1
10°-20°	6339.0	33.0
20°-30°	1705.1	8.9
30°-40°	423.7	2.2
40°-50°	316.1	1.6
50°-60°	290.7	1.5
60°-70°	266.7	1.4
70°-80°	172.5	0.9
80°-90°	66.2	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°	19217.0	100.0
0°-180°	19217.0	100.0

**Coefficient of Utilization**



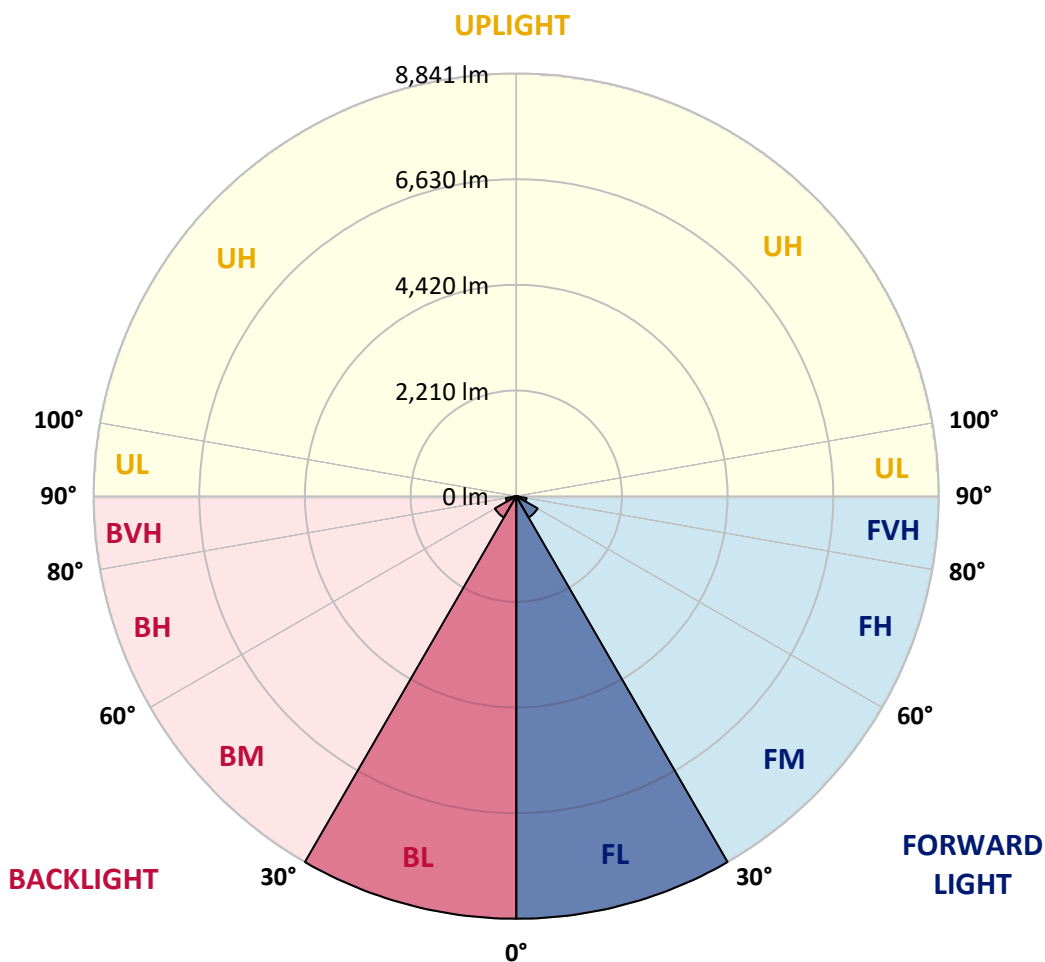
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8840.6	46.0			
FM (30°-60°)	515.3	2.7			
FH (60°-80°)	219.6	1.1			G0/660
FVH (80°-90°)	33.1	0.2			G1/100
BL (0°-30°)	8840.6	46.0	B5		
BM (30°-60°)	515.3	2.7	B1/1000		
BH (60°-80°)	219.6	1.1	B1/500		G0/660
BVH (80°-90°)	33.1	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°	129434.7
1°	128928.2
2°	127652.0
3°	125478.7
4°	122312.2
5°	117903.3
6°	111748.5
7°	103324.2
8°	92641.8
9°	80043.5
10°	67267.0
11°	53542.5
12°	40802.8
13°	30151.4
14°	22564.8
15°	17672.1
17.5°	11845.5
20°	8563.0
22.5°	5645.4
25°	3313.7
27.5°	1859.2
30°	1038.5
32.5°	758.4
35°	642.4
37.5°	566.0
40°	498.0
42.5°	447.1
45°	401.8
47.5°	370.7
50°	345.2
52.5°	331.1
55°	322.6
57.5°	316.9
60°	308.4
62.5°	291.5
65°	271.7
67.5°	249.0
70°	220.7
72.5°	189.6
75°	161.3
77.5°	135.8
80°	113.2
82.5°	90.6
85°	67.9
87.5°	28.3



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)