

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: P525728

Luminaire Tested: **IFLD-M-SA4E-935-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525728  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4E-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**

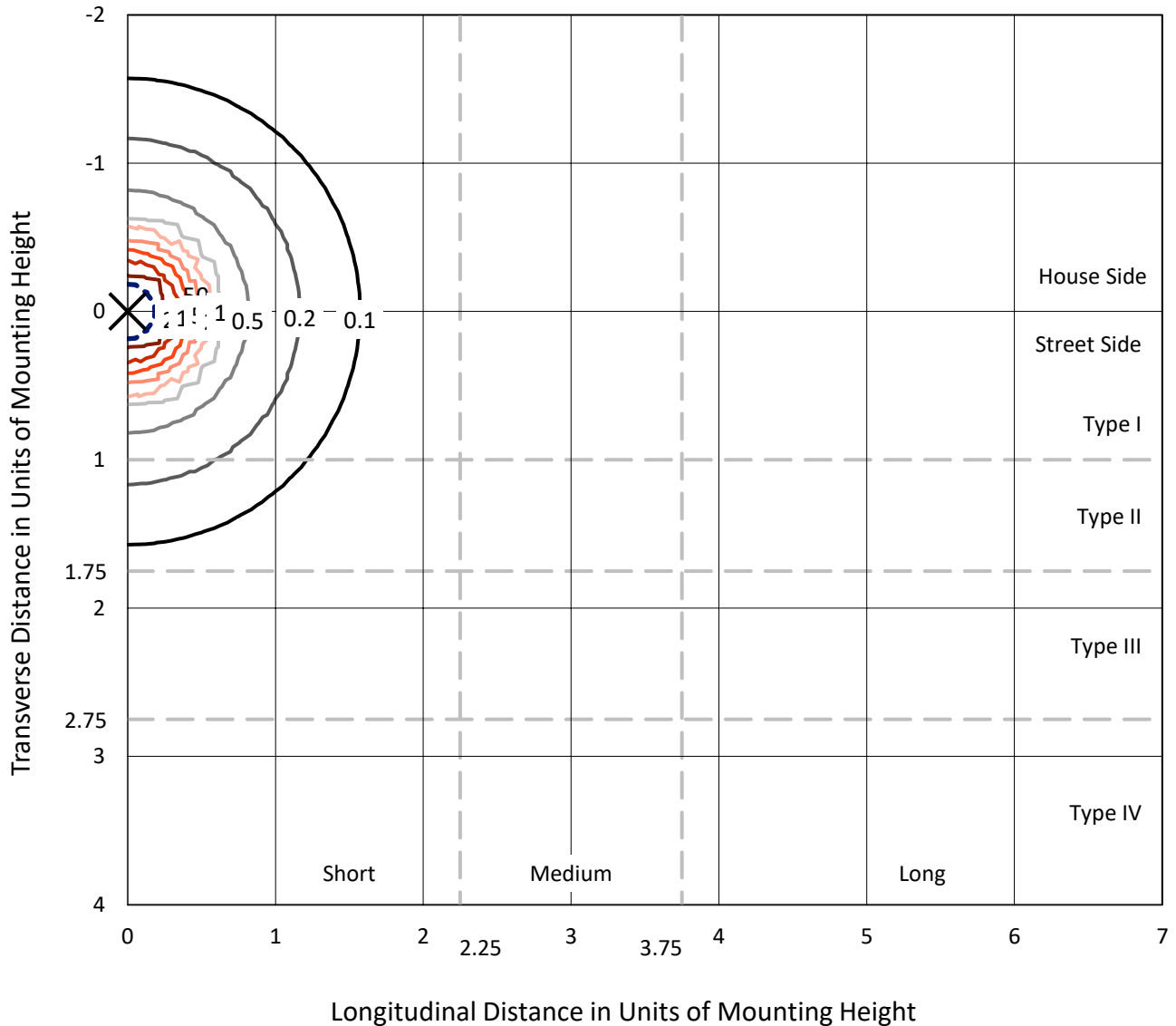
Lumens per Lamp: N/A  
Luminaire Lumens: 24470.7 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 314.8  
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

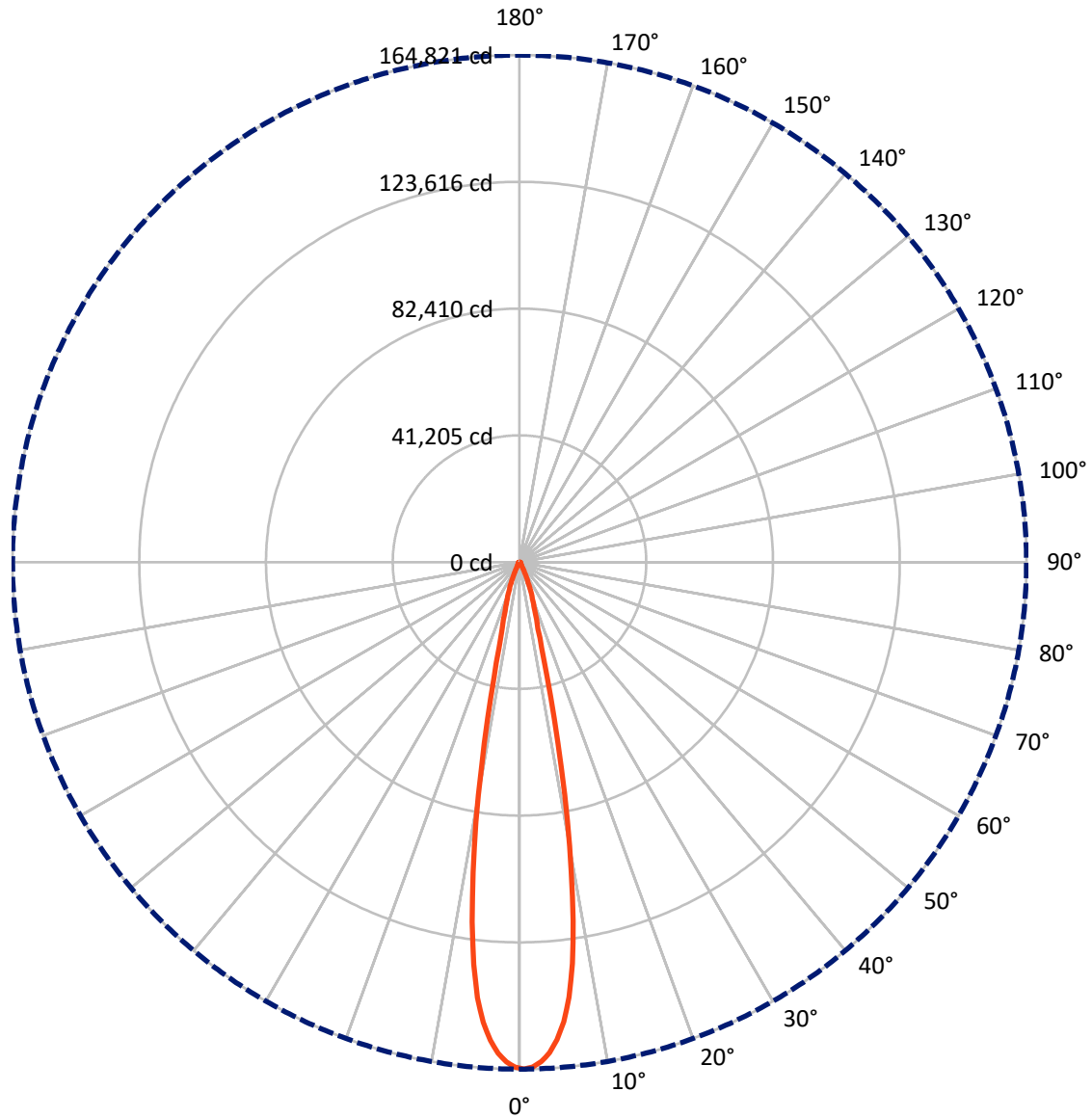
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 263.7 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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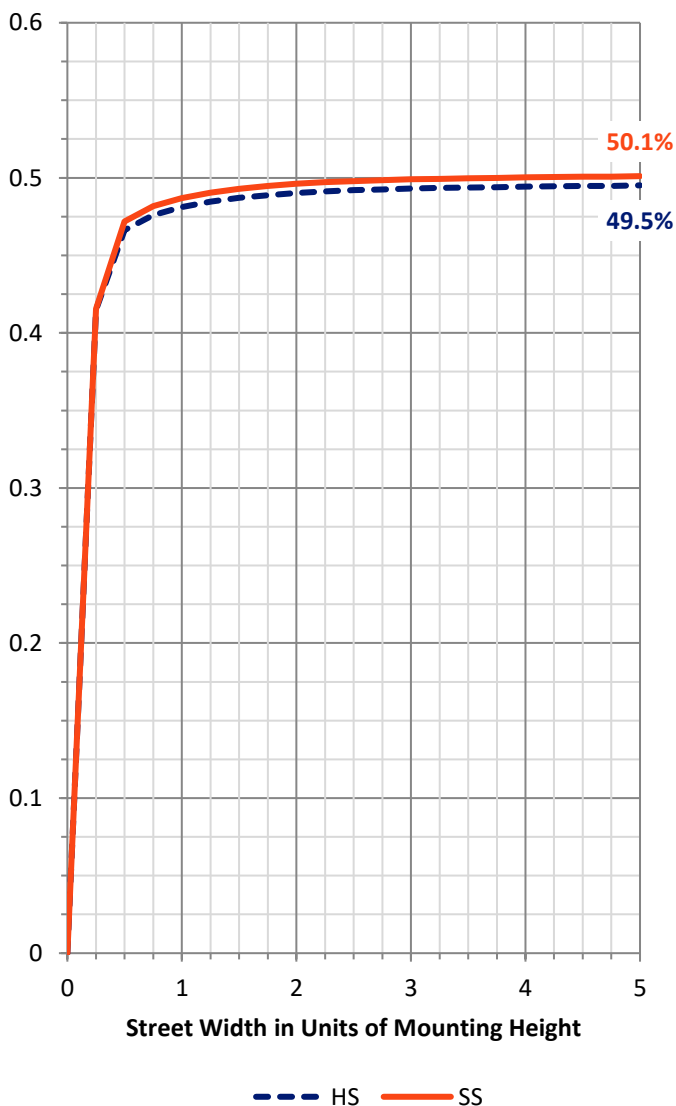
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12235.4	0.0	12235.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12235.4	0.0	12235.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24470.7	0.0	24470.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12271.7	50.1
10°-20°	8072.0	33.0
20°-30°	2171.2	8.9
30°-40°	539.5	2.2
40°-50°	402.6	1.6
50°-60°	370.2	1.5
60°-70°	339.6	1.4
70°-80°	219.6	0.9
80°-90°	84.3	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°	24470.7	100.0
0°-180°	24470.7	100.0



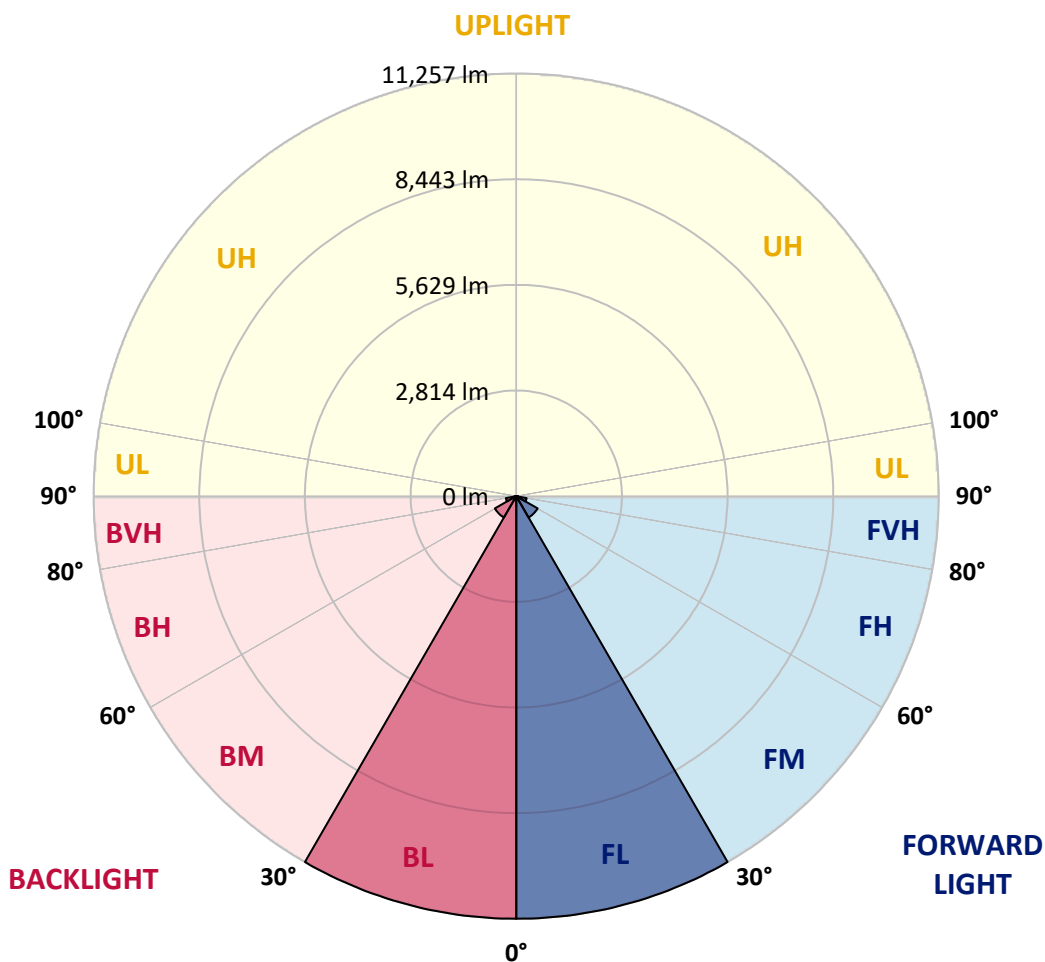
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11257.5	46.0			
FM (30°-60°)	656.1	2.7			
FH (60°-80°)	279.6	1.1			G0/660
FVH (80°-90°)	42.2	0.2			G1/100
BL (0°-30°)	11257.5	46.0	B5		
BM (30°-60°)	656.1	2.7	B1/1000		
BH (60°-80°)	279.6	1.1	B1/500		G0/660
BVH (80°-90°)	42.2	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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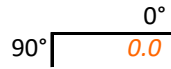
**CANDELA DISTRIBUTION (FULL):**

0°	
0°	164820.8
1°	164175.8
2°	162550.6
3°	159783.2
4°	155751.0
5°	150136.8
6°	142299.4
7°	131572.0
8°	117969.0
9°	101926.6
10°	85657.1
11°	68180.5
12°	51957.8
13°	38394.5
14°	28733.7
15°	22503.4
17.5°	15083.9
20°	10904.0
22.5°	7188.8
25°	4219.6
27.5°	2367.5
30°	1322.5
32.5°	965.7
35°	818.0
37.5°	720.7
40°	634.2
42.5°	569.3
45°	511.7
47.5°	472.0
50°	439.6
52.5°	421.6
55°	410.8
57.5°	403.6
60°	392.8
62.5°	371.2
65°	345.9
67.5°	317.1
70°	281.1
72.5°	241.4
75°	205.4
77.5°	173.0
80°	144.1
82.5°	115.3
85°	86.5
87.5°	36.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)