

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: P525699

Luminaire Tested: **IFLD-S-SA2A-935-U-33**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525699  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-935-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (32) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

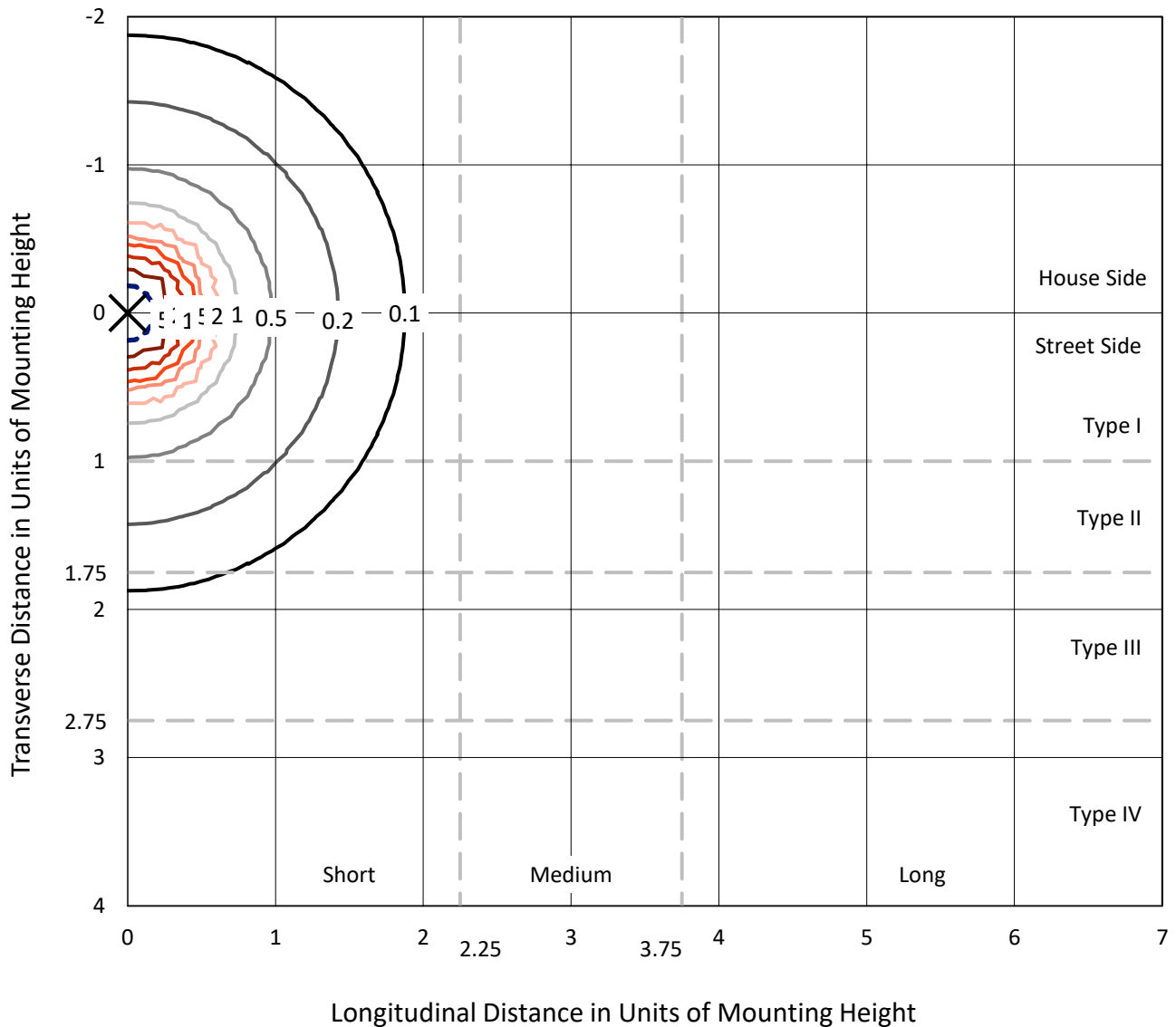
Lumens per Lamp: N/A  
Luminaire Lumens: 6240.1 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 63.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

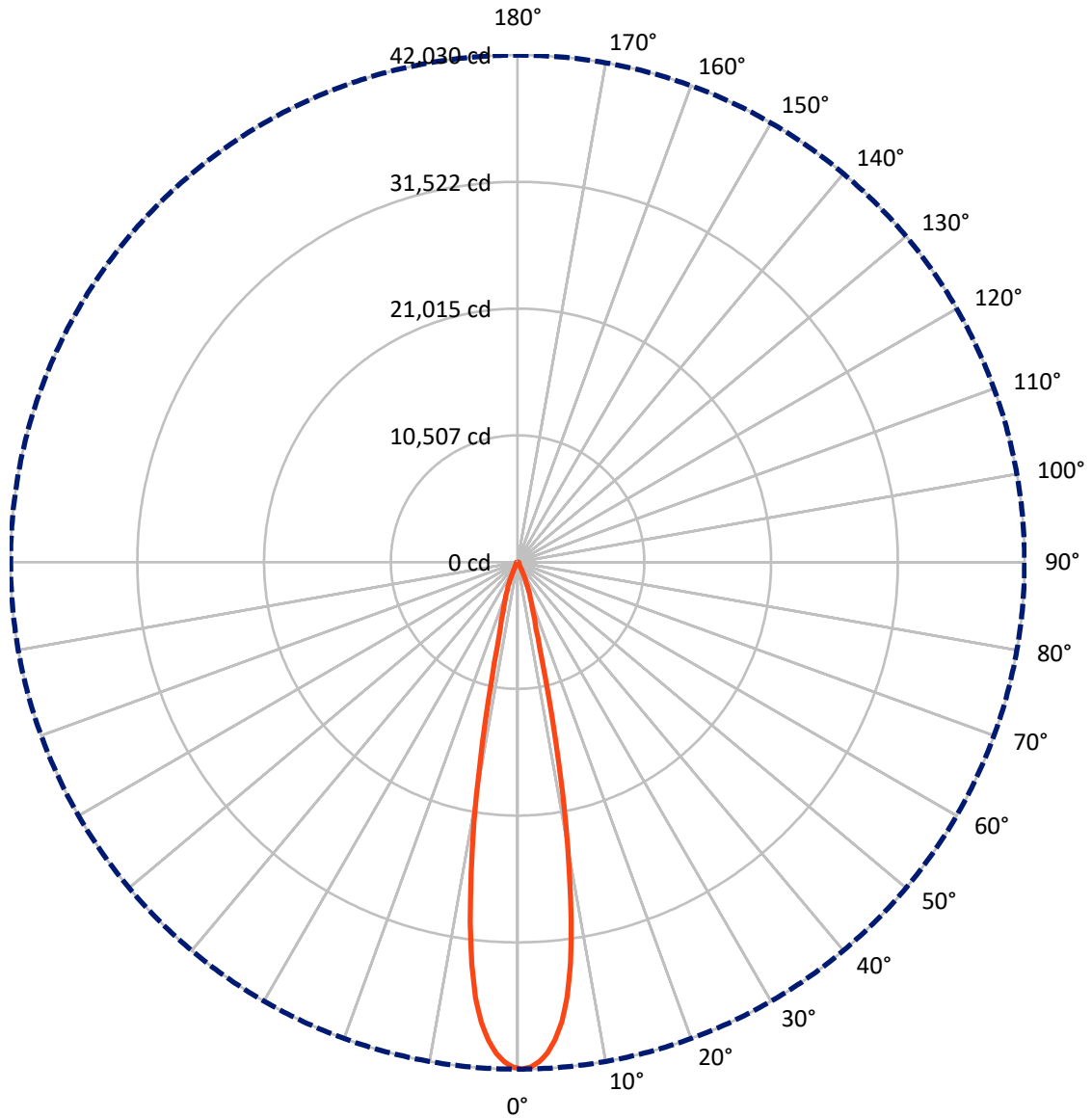
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 420.3 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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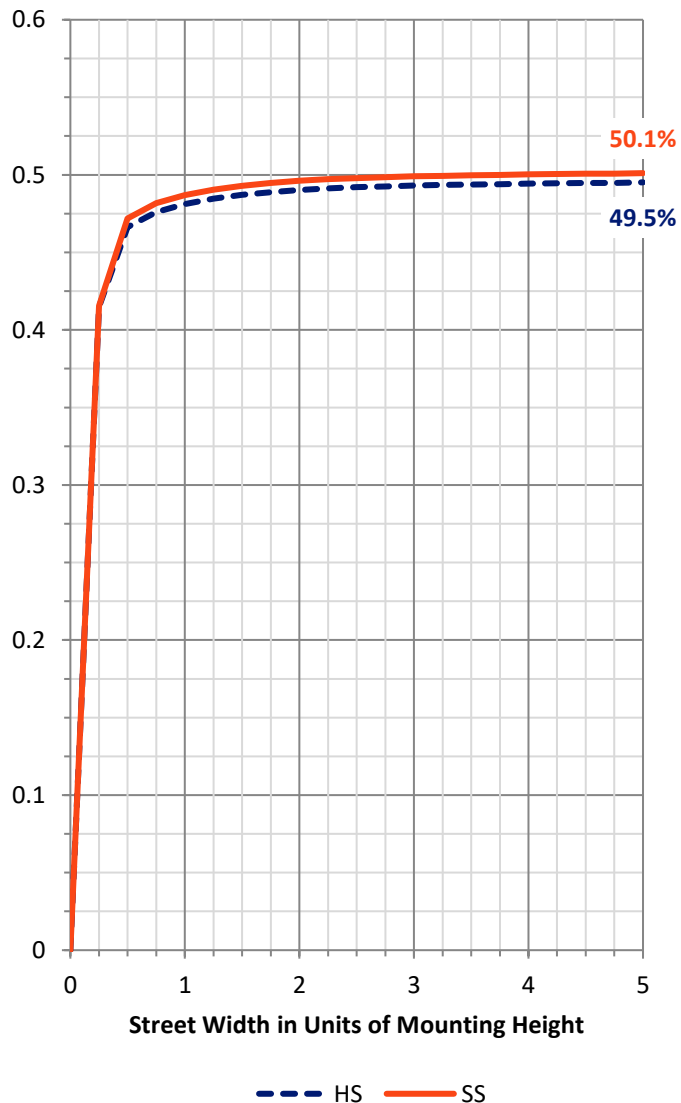
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3120.1	0.0	3120.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3120.1	0.0	3120.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6240.1	0.0	6240.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3129.3	50.1
10°-20°	2058.4	33.0
20°-30°	553.7	8.9
30°-40°	137.6	2.2
40°-50°	102.7	1.6
50°-60°	94.4	1.5
60°-70°	86.6	1.4
70°-80°	56.0	0.9
80°-90°	21.5	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°	6240.1	100.0
0°-180°	6240.1	100.0

**Coefficient of Utilization**



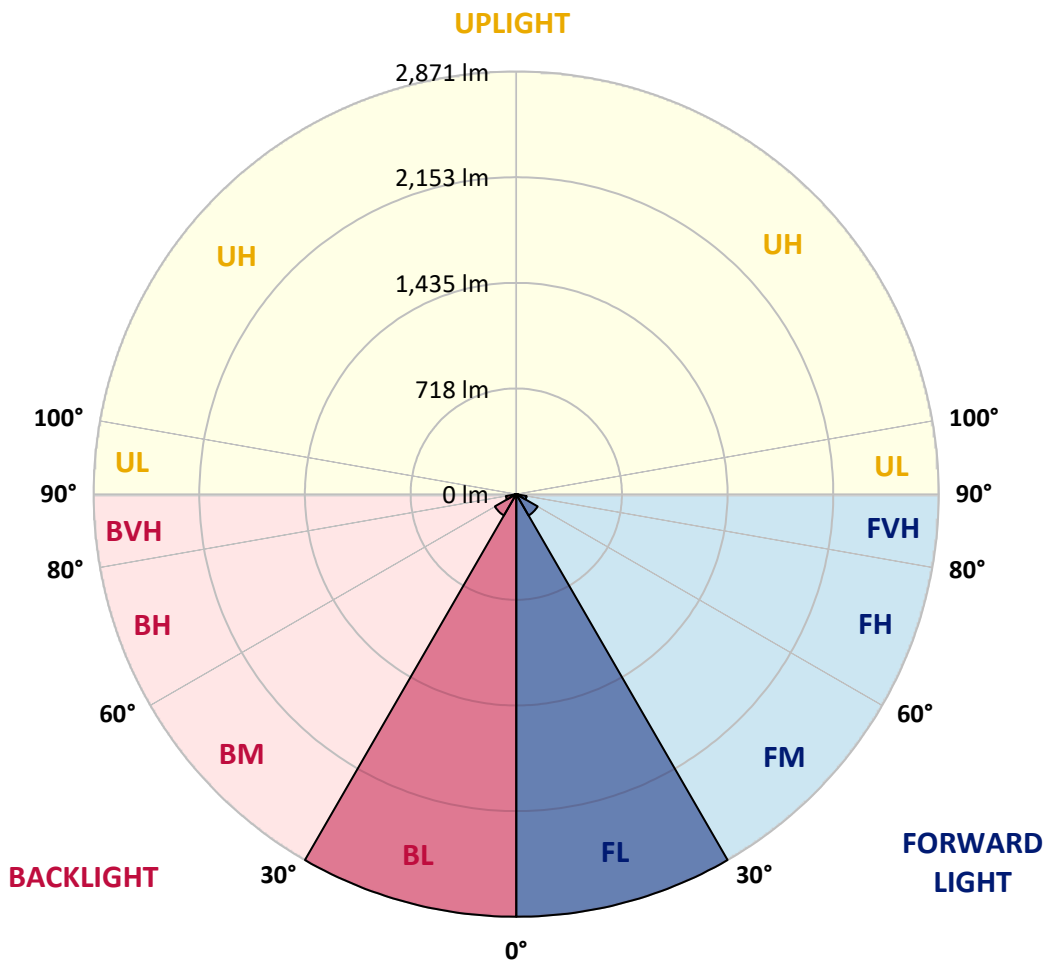
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2870.7	46.0			
FM (30°-60°)	167.3	2.7			
FH (60°-80°)	71.3	1.1			G0/660
FVH (80°-90°)	10.8	0.2			G1/100
BL (0°-30°)	2870.7	46.0	B4/5000		
BM (30°-60°)	167.3	2.7	B0/220		
BH (60°-80°)	71.3	1.1	B0/110		G0/660
BVH (80°-90°)	10.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	42029.5
1°	41865.0
2°	41450.6
3°	40744.9
4°	39716.7
5°	38285.1
6°	36286.5
7°	33551.0
8°	30082.3
9°	25991.4
10°	21842.7
11°	17386.1
12°	13249.3
13°	9790.7
14°	7327.1
15°	5738.4
17.5°	3846.4
20°	2780.5
22.5°	1833.2
25°	1076.0
27.5°	603.7
30°	337.2
32.5°	246.3
35°	208.6
37.5°	183.8
40°	161.7
42.5°	145.2
45°	130.5
47.5°	120.4
50°	112.1
52.5°	107.5
55°	104.8
57.5°	102.9
60°	100.2
62.5°	94.6
65°	88.2
67.5°	80.9
70°	71.7
72.5°	61.6
75°	52.4
77.5°	44.1
80°	36.8
82.5°	29.4
85°	22.1
87.5°	9.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)