

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: P525958

Luminaire Tested: **IFLD-M-SA4A-940-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525958  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-940-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (64) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

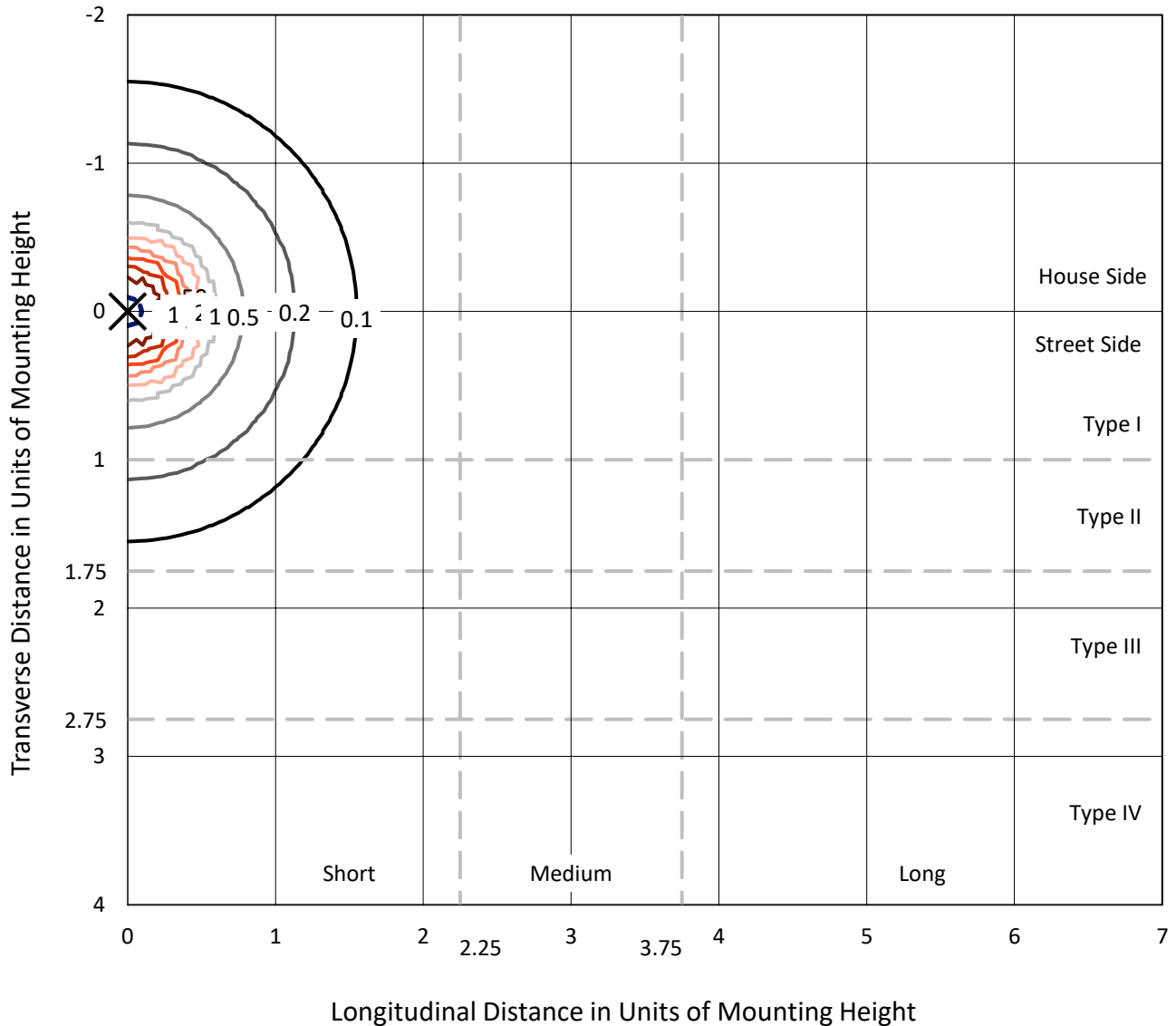
Lumens per Lamp: N/A  
Luminaire Lumens: 13634.2 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 128.6  
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

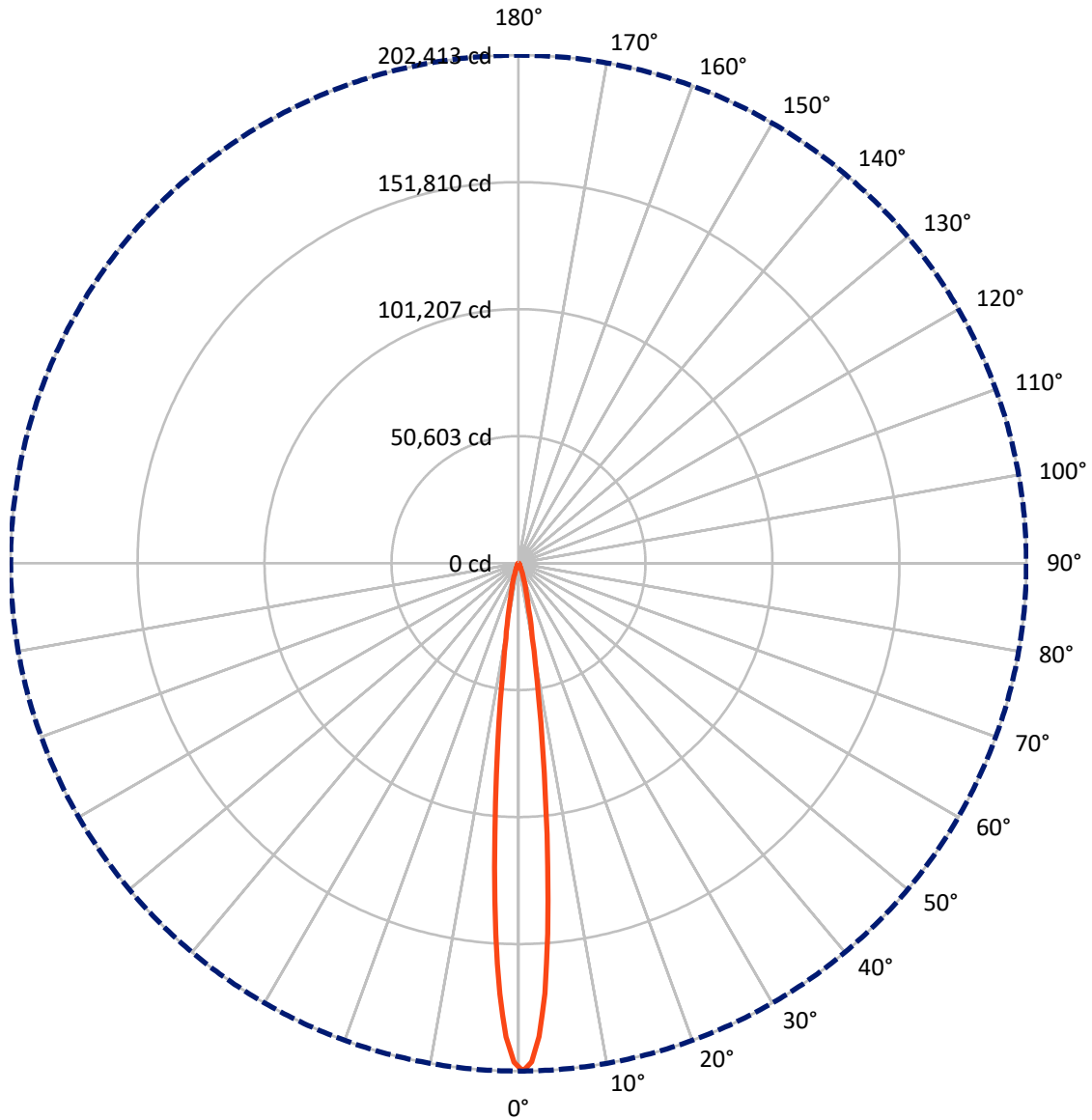
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 506 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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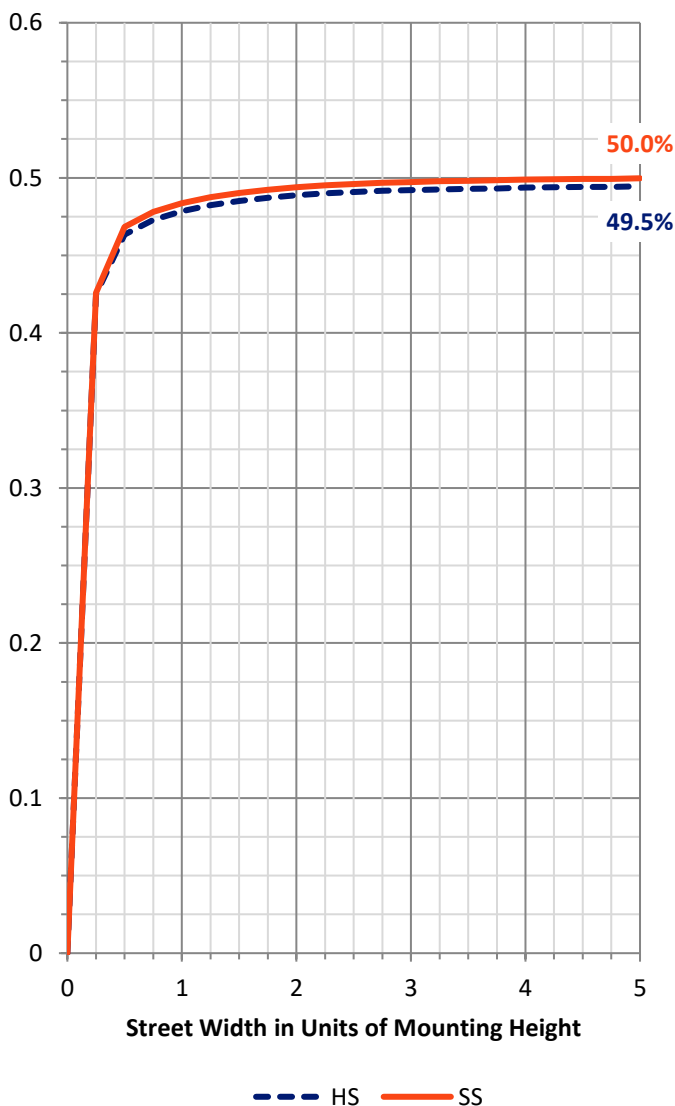
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6817.1	0.0	6817.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6817.1	0.0	6817.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13634.2	0.0	13634.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8365.7	61.4
10°-20°	3328.8	24.4
20°-30°	767.5	5.6
30°-40°	291.4	2.1
40°-50°	237.8	1.7
50°-60°	228.4	1.7
60°-70°	218.8	1.6
70°-80°	144.8	1.1
80°-90°	50.9	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°	13634.2	100.0
0°-180°	13634.2	100.0

**Coefficient of Utilization**



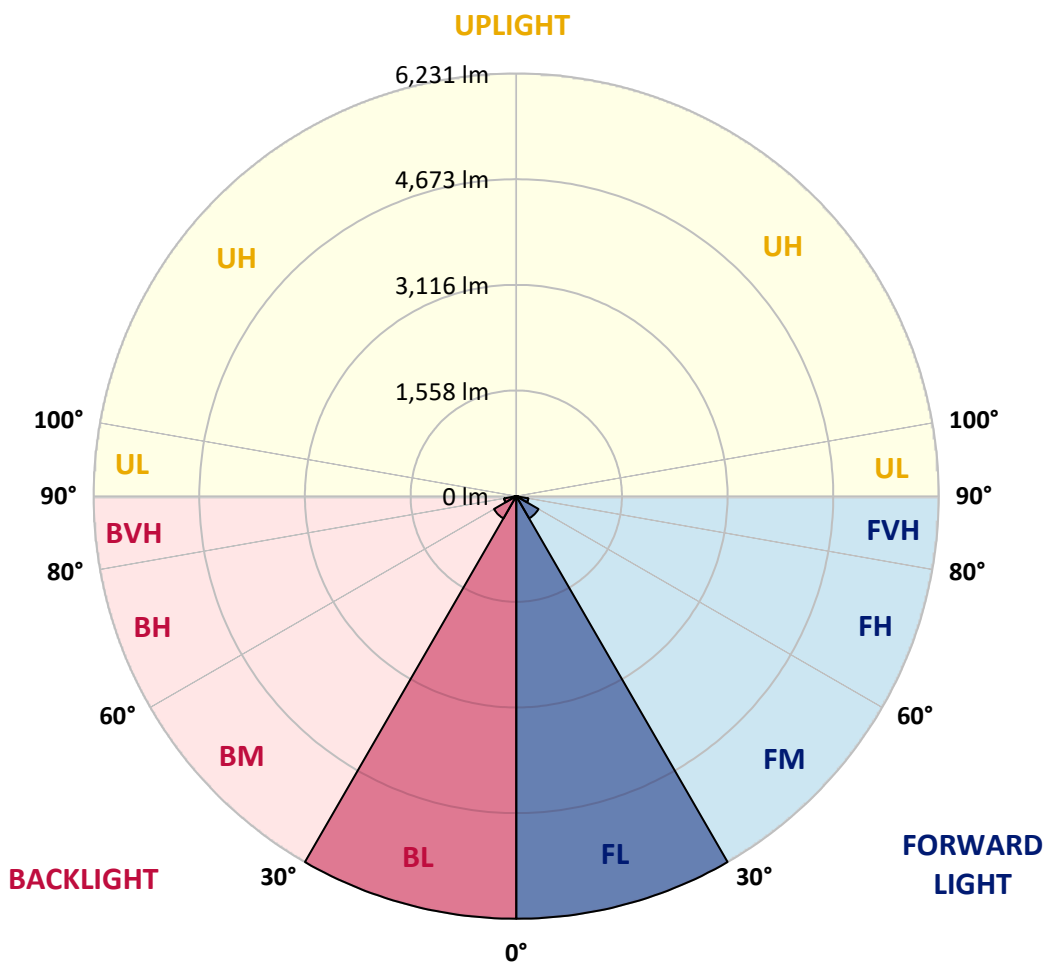
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6231.0	45.7			
FM (30°-60°)	378.8	2.8			
FH (60°-80°)	181.8	1.3			G0/660
FVH (80°-90°)	25.4	0.2			G1/100
BL (0°-30°)	6231.0	45.7	B5		
BM (30°-60°)	378.8	2.8	B1/1000		
BH (60°-80°)	181.8	1.3	B1/500		G0/660
BVH (80°-90°)	25.4	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°	202413.4
1°	198852.6
2°	188878.5
3°	171746.8
4°	148191.8
5°	121632.1
6°	95624.5
7°	73253.7
8°	54673.7
9°	40762.7
10°	30398.5
12.5°	16567.6
15°	10630.3
17.5°	7173.5
20°	4264.9
22.5°	2372.5
25°	1356.3
27.5°	860.2
30°	620.1
32.5°	506.1
35°	450.1
37.5°	418.1
40°	376.1
42.5°	334.1
45°	298.1
47.5°	280.1
50°	268.1
52.5°	260.1
55°	254.1
57.5°	250.1
60°	242.1
62.5°	236.1
65°	224.0
67.5°	208.0
70°	188.0
72.5°	162.0
75°	136.0
77.5°	112.0
80°	90.0
82.5°	70.0
85°	52.0
87.5°	20.0
90°	0.0

(END OF REPORT)