

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: P525960

Luminaire Tested: **IFLD-M-SA4C-940-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525960  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-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**

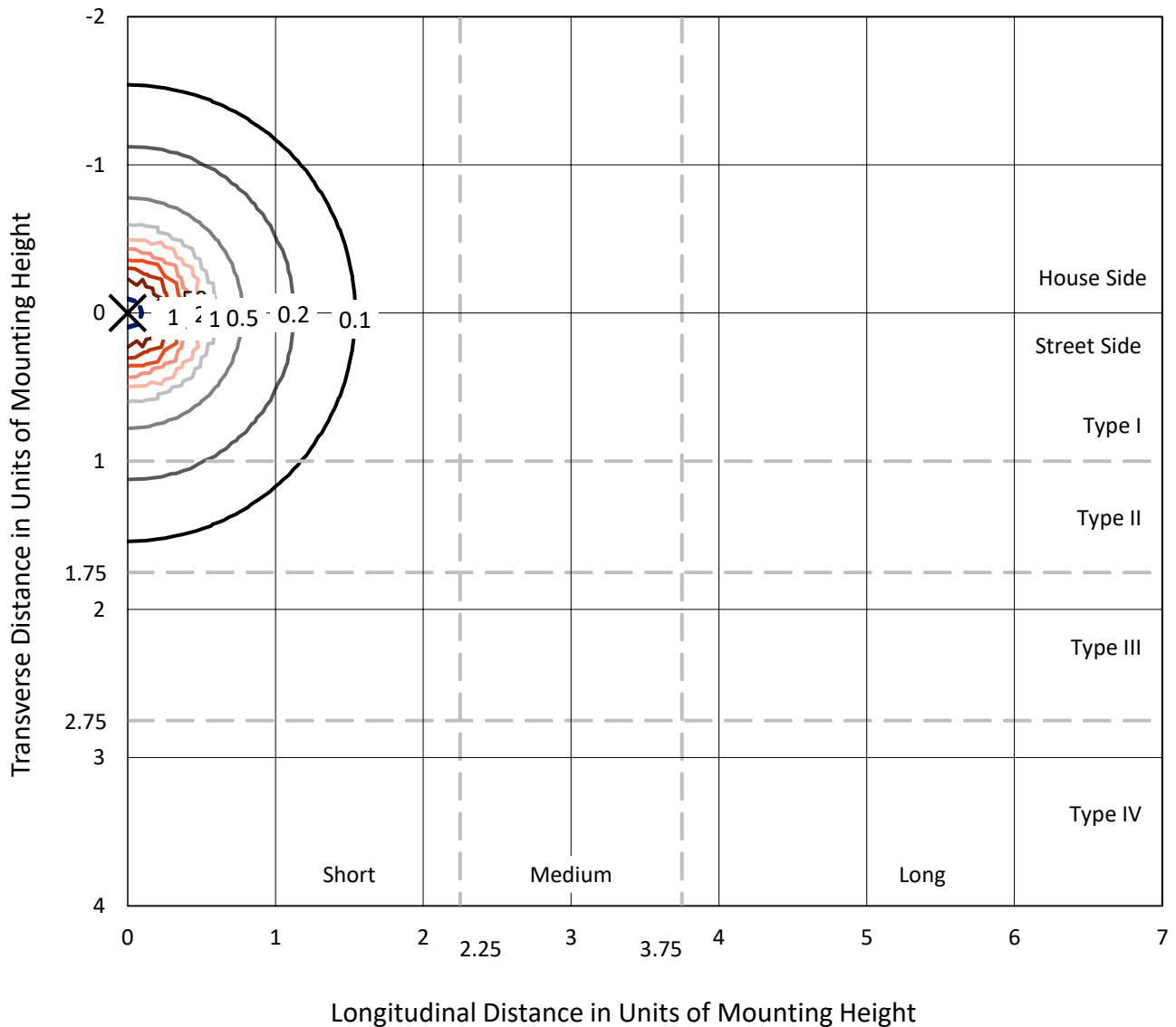
Lumens per Lamp: N/A  
Luminaire Lumens: 20990.7 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

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

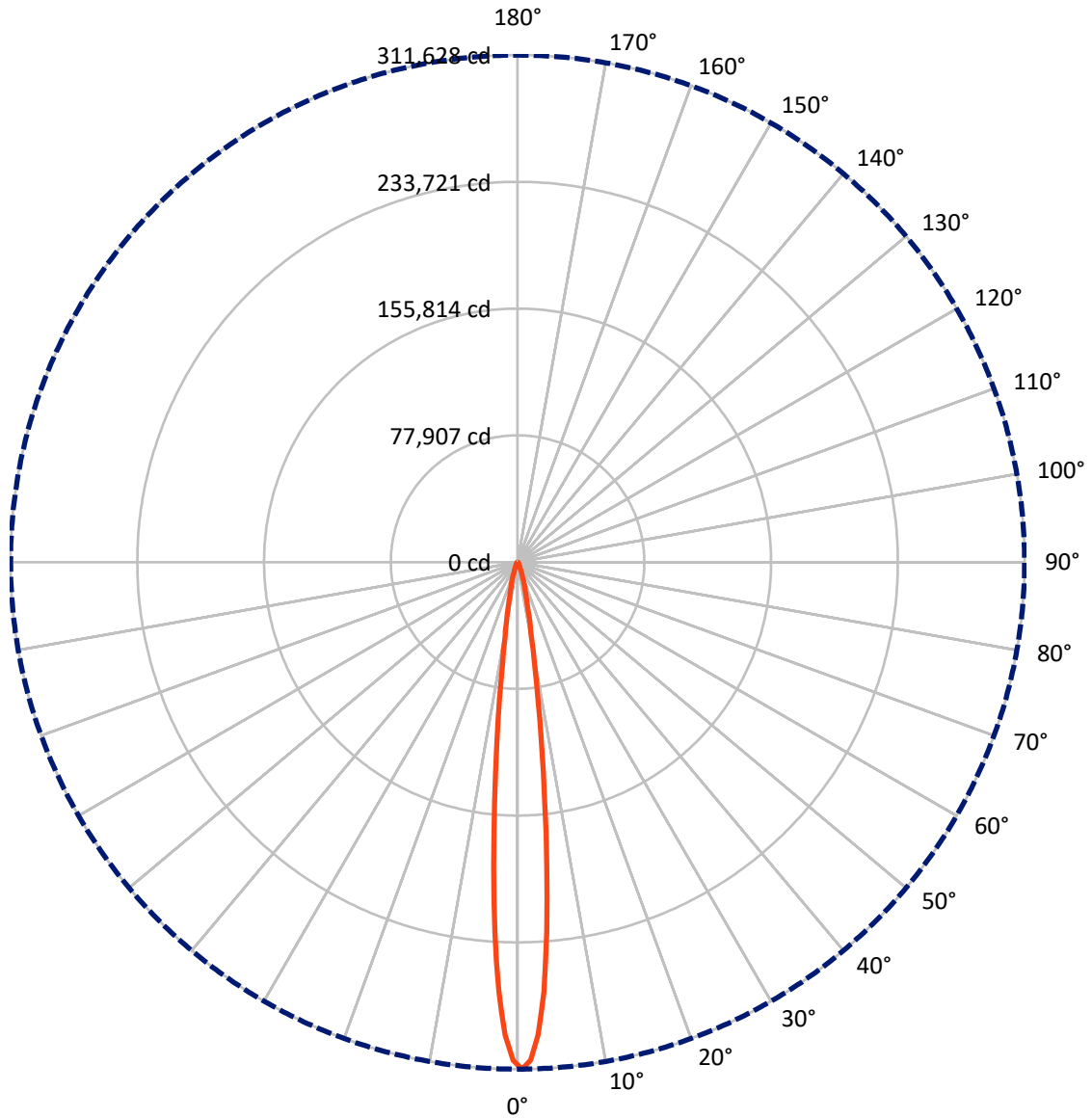
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 498.6 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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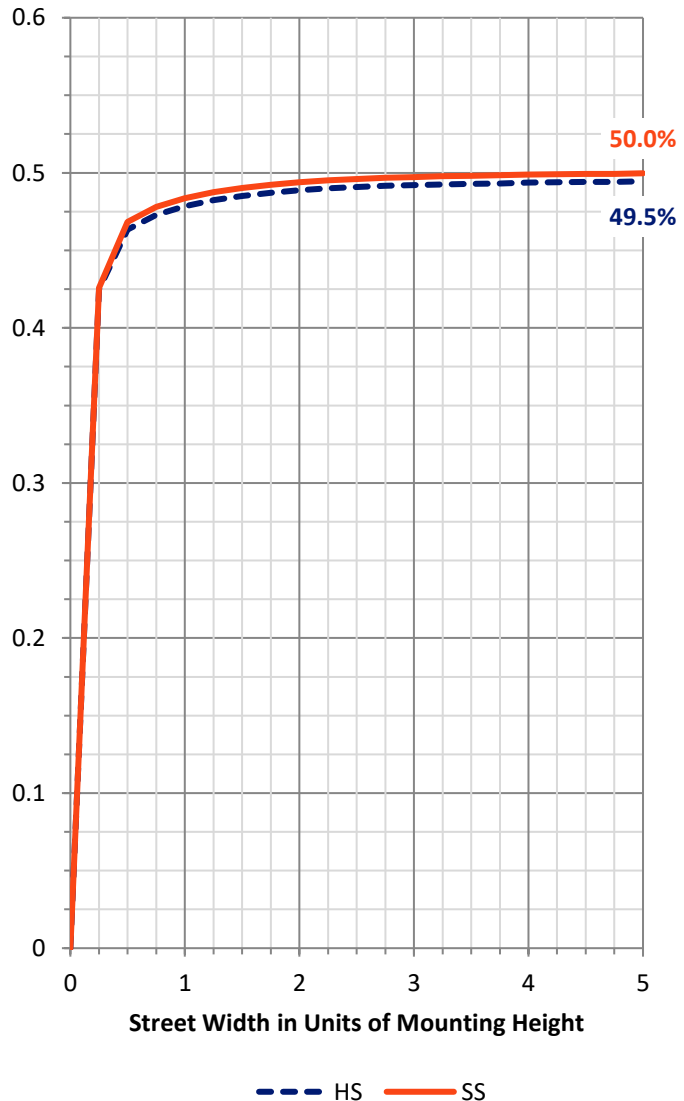
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10495.4	0.0	10495.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10495.4	0.0	10495.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20990.7	0.0	20990.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12879.5	61.4
10°-20°	5124.9	24.4
20°-30°	1181.7	5.6
30°-40°	448.6	2.1
40°-50°	366.1	1.7
50°-60°	351.6	1.7
60°-70°	336.9	1.6
70°-80°	223.0	1.1
80°-90°	78.4	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°	20990.7	100.0
0°-180°	20990.7	100.0

**Coefficient of Utilization**



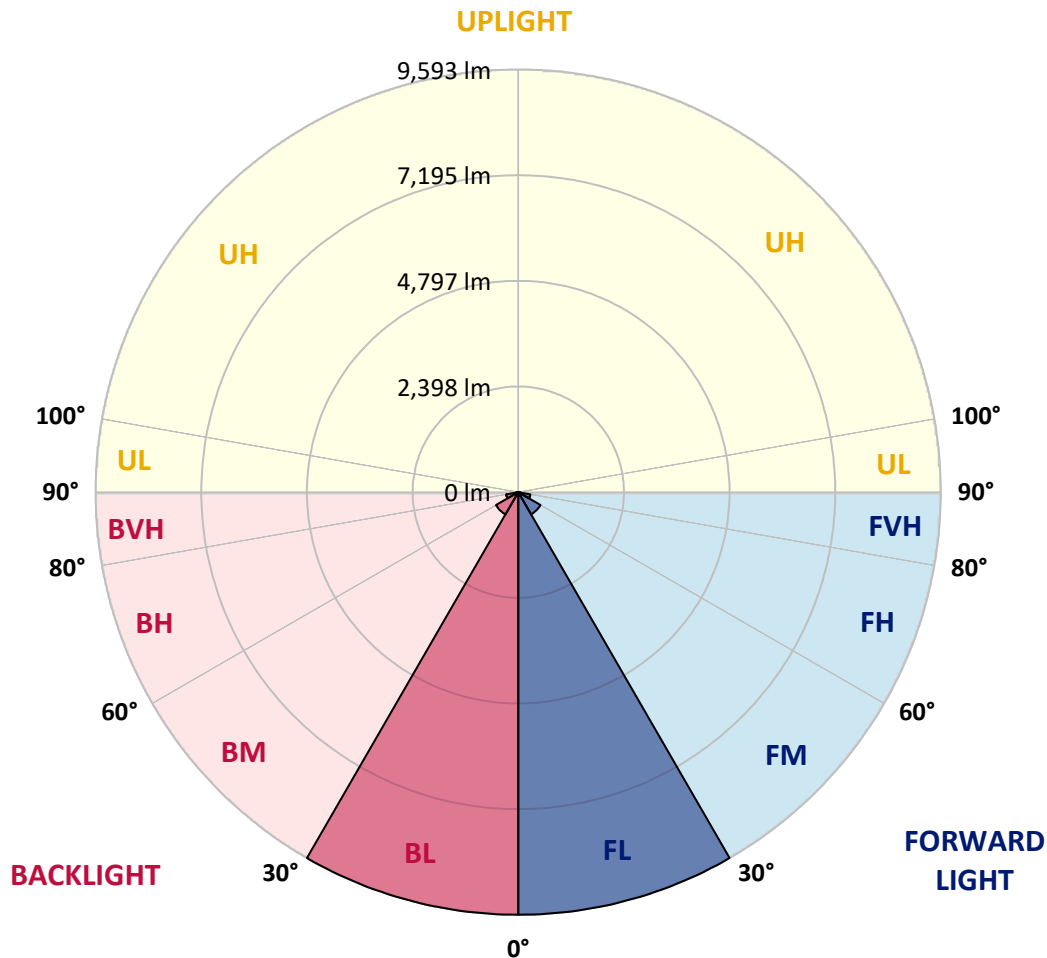
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9593.0	45.7			
FM (30°-60°)	583.2	2.8			
FH (60°-80°)	279.9	1.3			G0/660
FVH (80°-90°)	39.2	0.2			G1/100
BL (0°-30°)	9593.0	45.7	B5		
BM (30°-60°)	583.2	2.8	B1/1000		
BH (60°-80°)	279.9	1.3	B1/500		G0/660
BVH (80°-90°)	39.2	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°	311628.3
1°	306146.2
2°	290790.4
3°	264415.1
4°	228150.6
5°	187260.3
6°	147220.0
7°	112778.7
8°	84173.7
9°	62756.8
10°	46800.4
12.5°	25506.8
15°	16366.0
17.5°	11044.1
20°	6566.1
22.5°	3652.6
25°	2088.1
27.5°	1324.3
30°	954.7
32.5°	779.2
35°	693.0
37.5°	643.7
40°	579.0
42.5°	514.3
45°	458.9
47.5°	431.2
50°	412.7
52.5°	400.4
55°	391.1
57.5°	385.0
60°	372.7
62.5°	363.4
65°	344.9
67.5°	320.3
70°	289.5
72.5°	249.5
75°	209.4
77.5°	172.5
80°	138.6
82.5°	107.8
85°	80.1
87.5°	30.8
90°	0.0

(END OF REPORT)