

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: P525765

Luminaire Tested: **IFLD-M-SA4C-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525765  
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-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (64) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

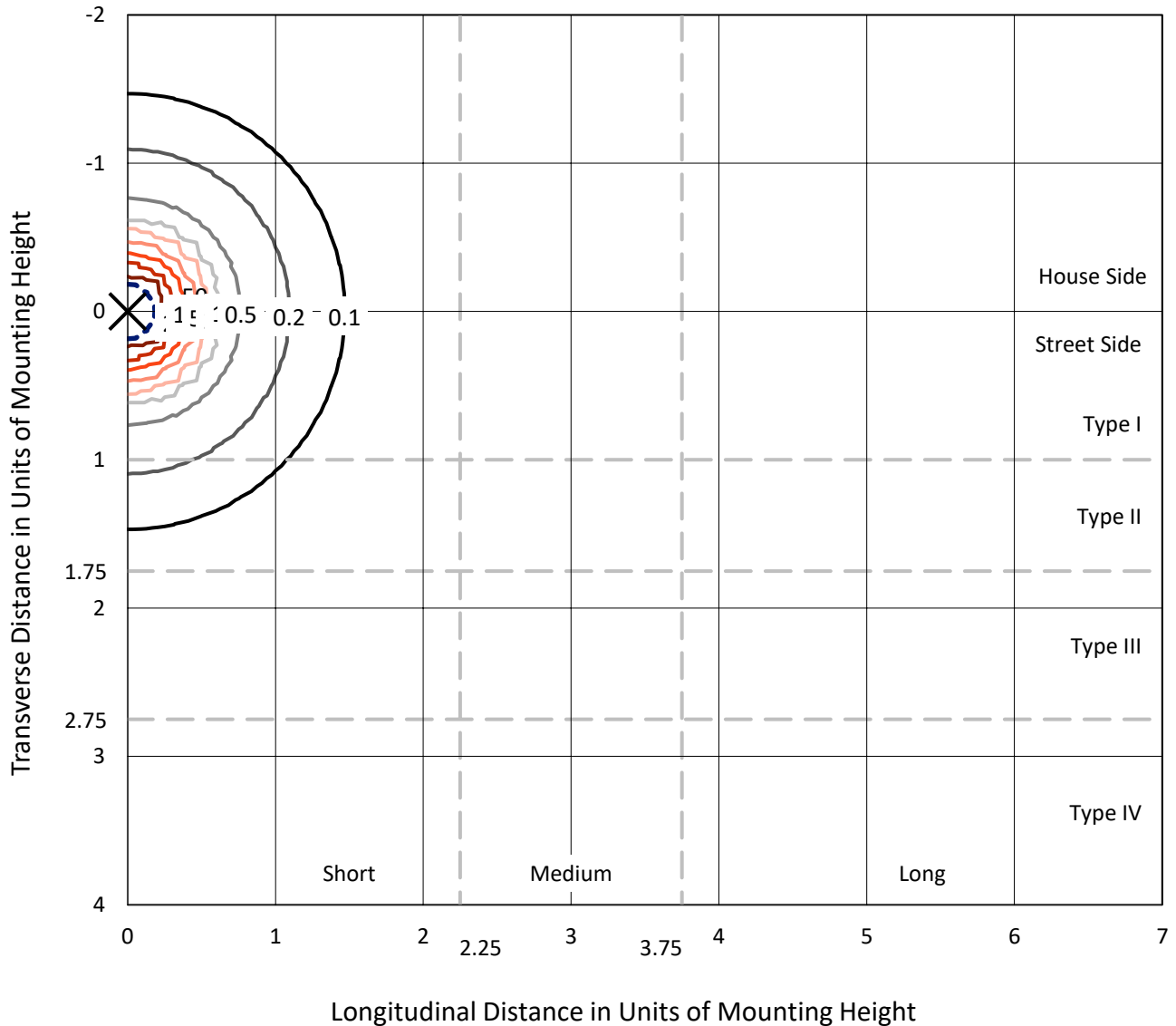
Lumens per Lamp: N/A  
Luminaire Lumens: 20913 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

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

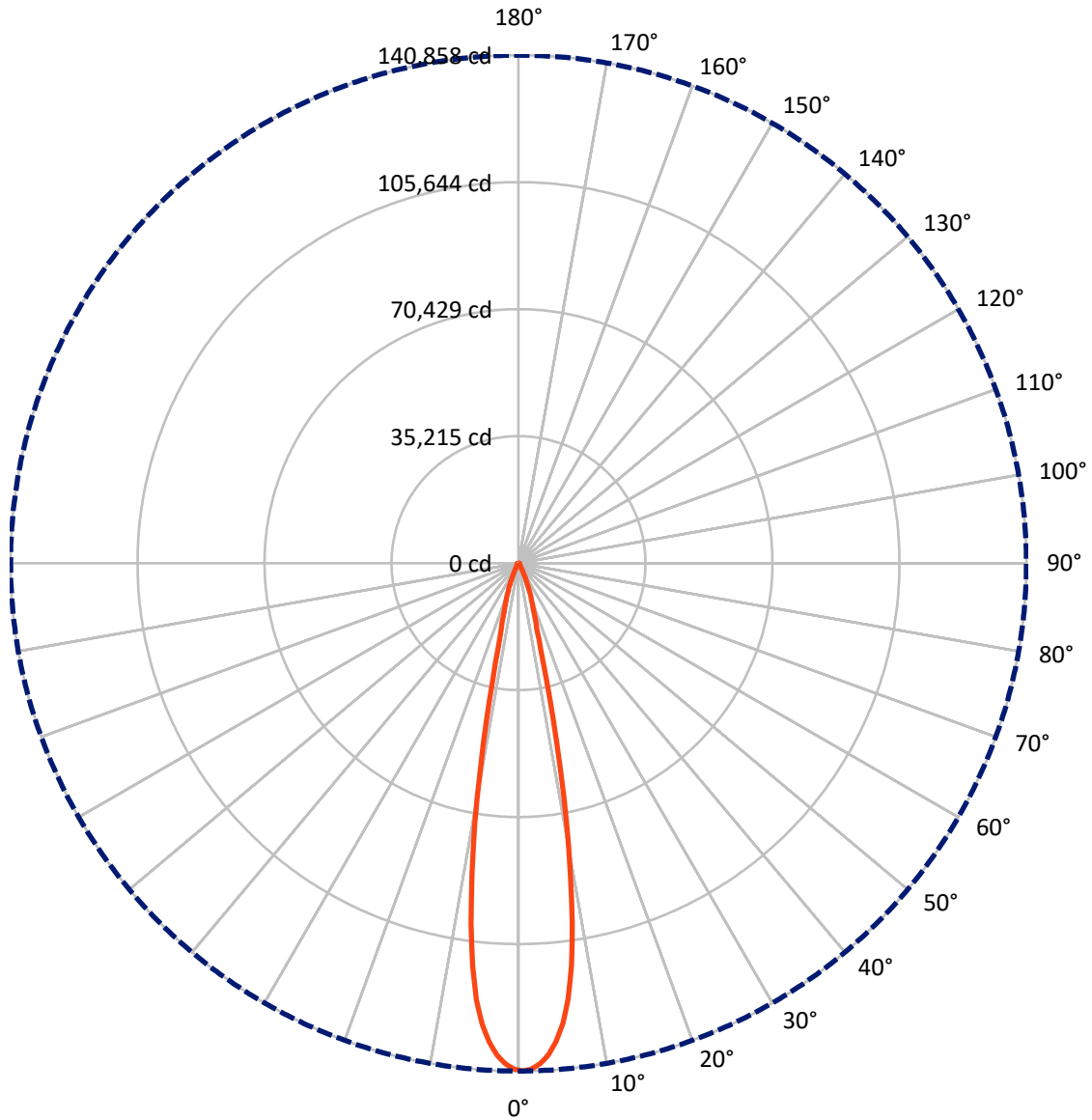
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 225.4 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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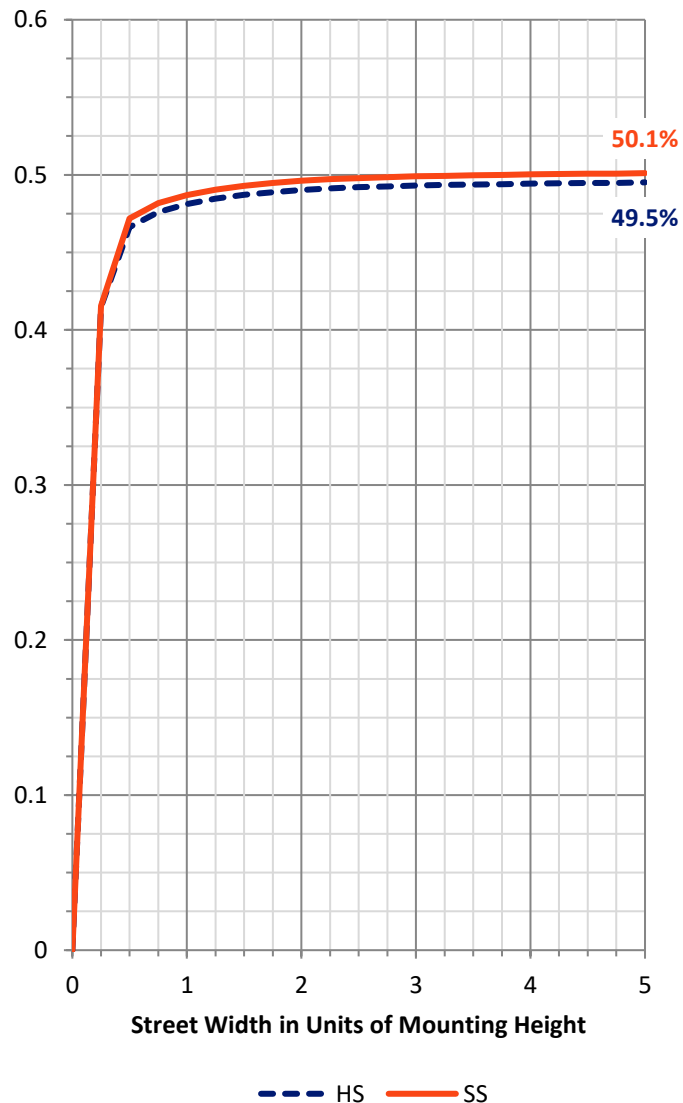
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10456.5	0.0	10456.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10456.5	0.0	10456.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20913.0	0.0	20913.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10487.6	50.1
10°-20°	6898.5	33.0
20°-30°	1855.5	8.9
30°-40°	461.1	2.2
40°-50°	344.1	1.6
50°-60°	316.4	1.5
60°-70°	290.2	1.4
70°-80°	187.7	0.9
80°-90°	72.1	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°	20913.0	100.0
0°-180°	20913.0	100.0

**Coefficient of Utilization**



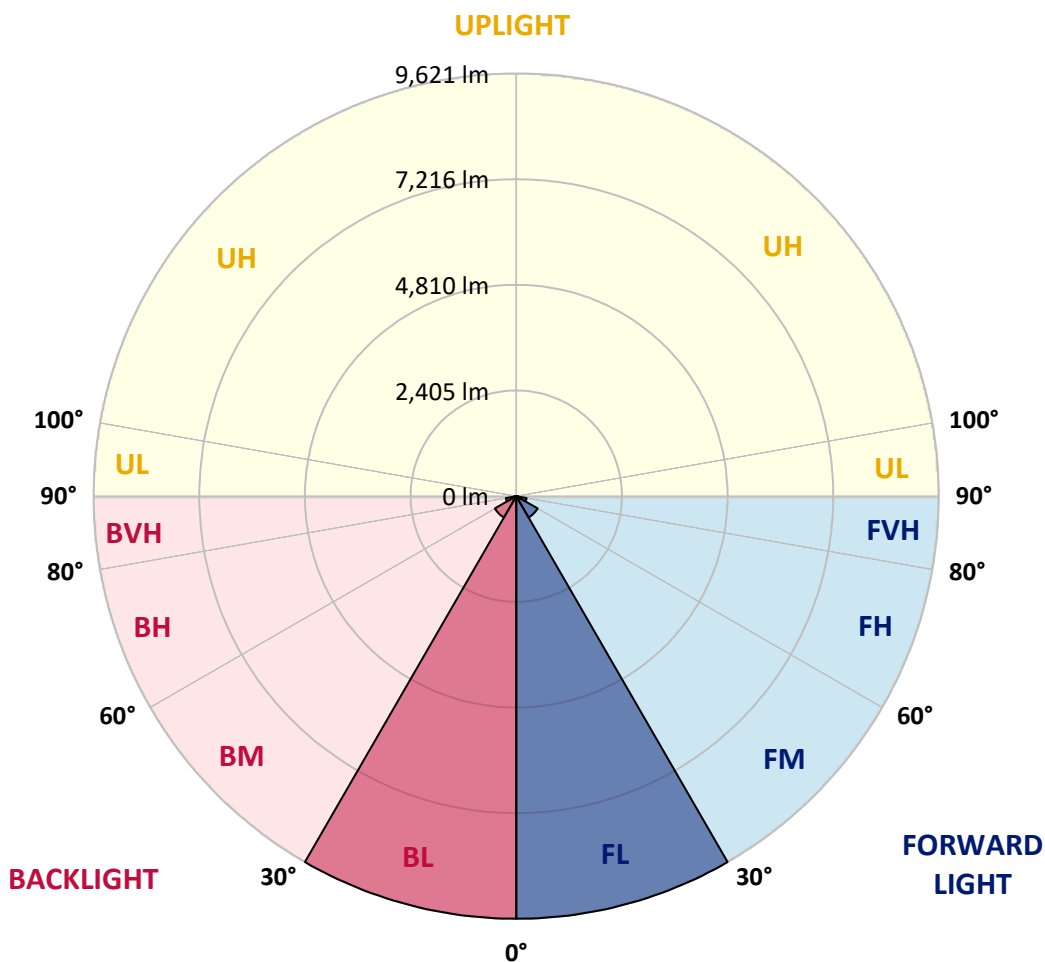
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9620.8	46.0			
FM (30°-60°)	560.7	2.7			
FH (60°-80°)	238.9	1.1			G0/660
FVH (80°-90°)	36.0	0.2			G1/100
BL (0°-30°)	9620.8	46.0	B5		
BM (30°-60°)	560.7	2.7	B1/1000		
BH (60°-80°)	238.9	1.1	B1/500		G0/660
BVH (80°-90°)	36.0	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°	140858.4
1°	140307.1
2°	138918.2
3°	136553.2
4°	133107.1
5°	128309.2
6°	121611.2
7°	112443.4
8°	100818.1
9°	87108.0
10°	73203.8
11°	58268.1
12°	44404.0
13°	32812.5
14°	24556.3
15°	19231.8
17.5°	12891.0
20°	9318.7
22.5°	6143.7
25°	3606.1
27.5°	2023.3
30°	1130.2
32.5°	825.3
35°	699.1
37.5°	615.9
40°	542.0
42.5°	486.6
45°	437.3
47.5°	403.4
50°	375.7
52.5°	360.3
55°	351.1
57.5°	344.9
60°	335.7
62.5°	317.2
65°	295.6
67.5°	271.0
70°	240.2
72.5°	206.3
75°	175.5
77.5°	147.8
80°	123.2
82.5°	98.5
85°	73.9
87.5°	30.8



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)