

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: P525882

Luminaire Tested: **IFLD-M-SA4C-930-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525882  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-930-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (64) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

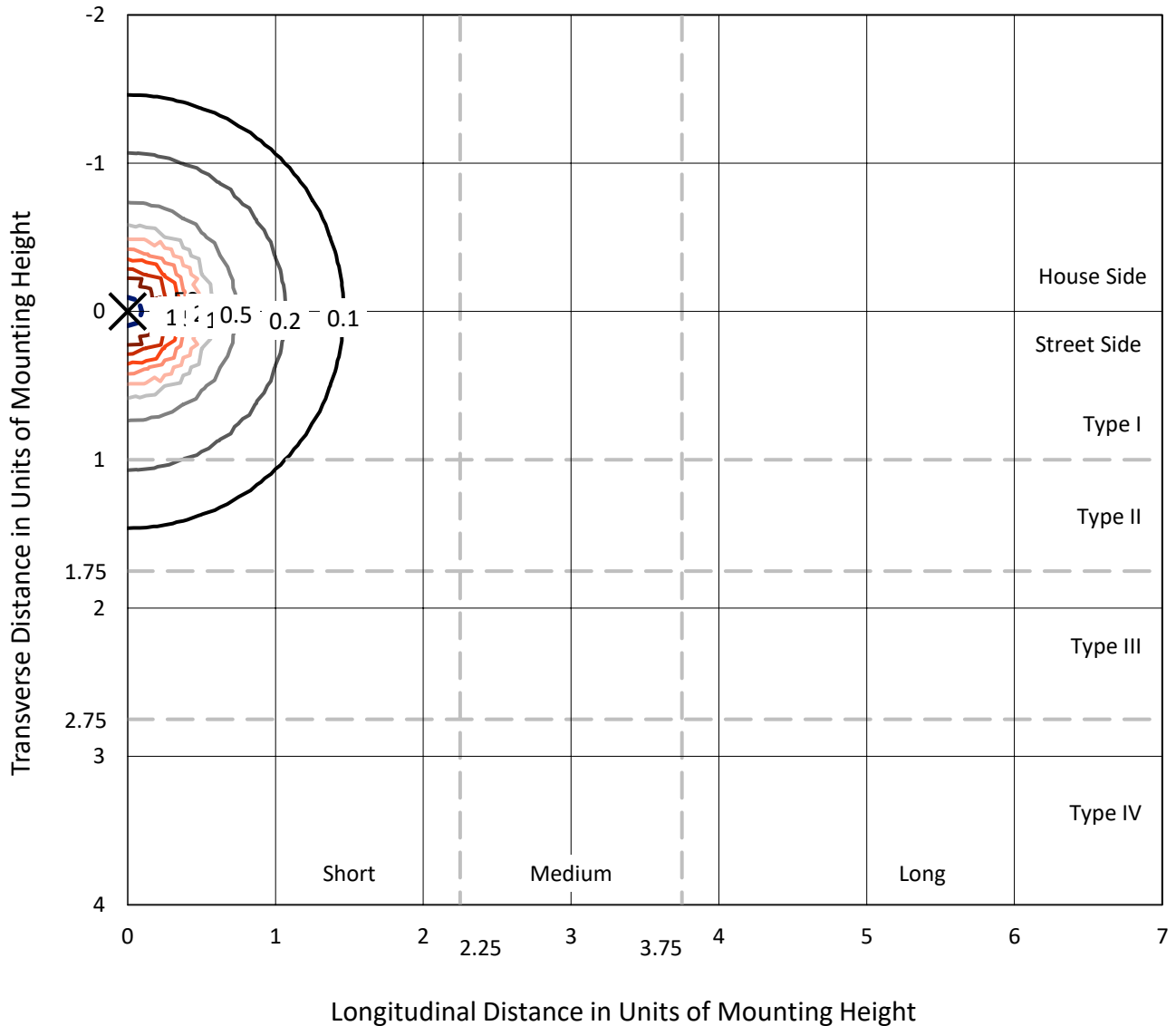
Lumens per Lamp: N/A  
Luminaire Lumens: 18591.4 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

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

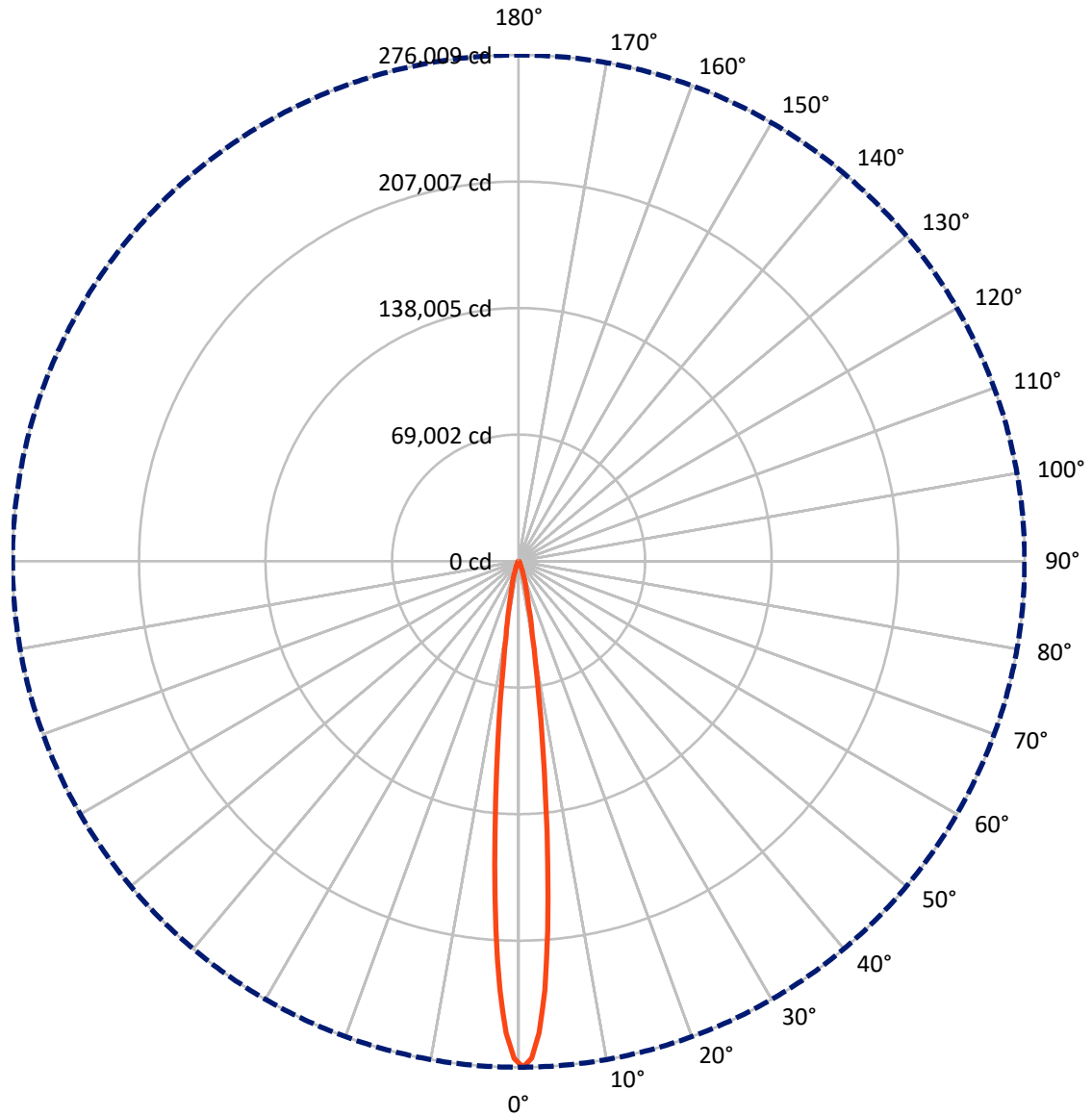
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 441.6 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	9295.7	0.0	9295.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9295.7	0.0	9295.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18591.4	0.0	18591.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11407.4	61.4
10°-20°	4539.1	24.4
20°-30°	1046.6	5.6
30°-40°	397.3	2.1
40°-50°	324.3	1.7
50°-60°	311.4	1.7
60°-70°	298.4	1.6
70°-80°	197.5	1.1
80°-90°	69.4	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°	18591.4	100.0
0°-180°	18591.4	100.0

**Coefficient of Utilization**



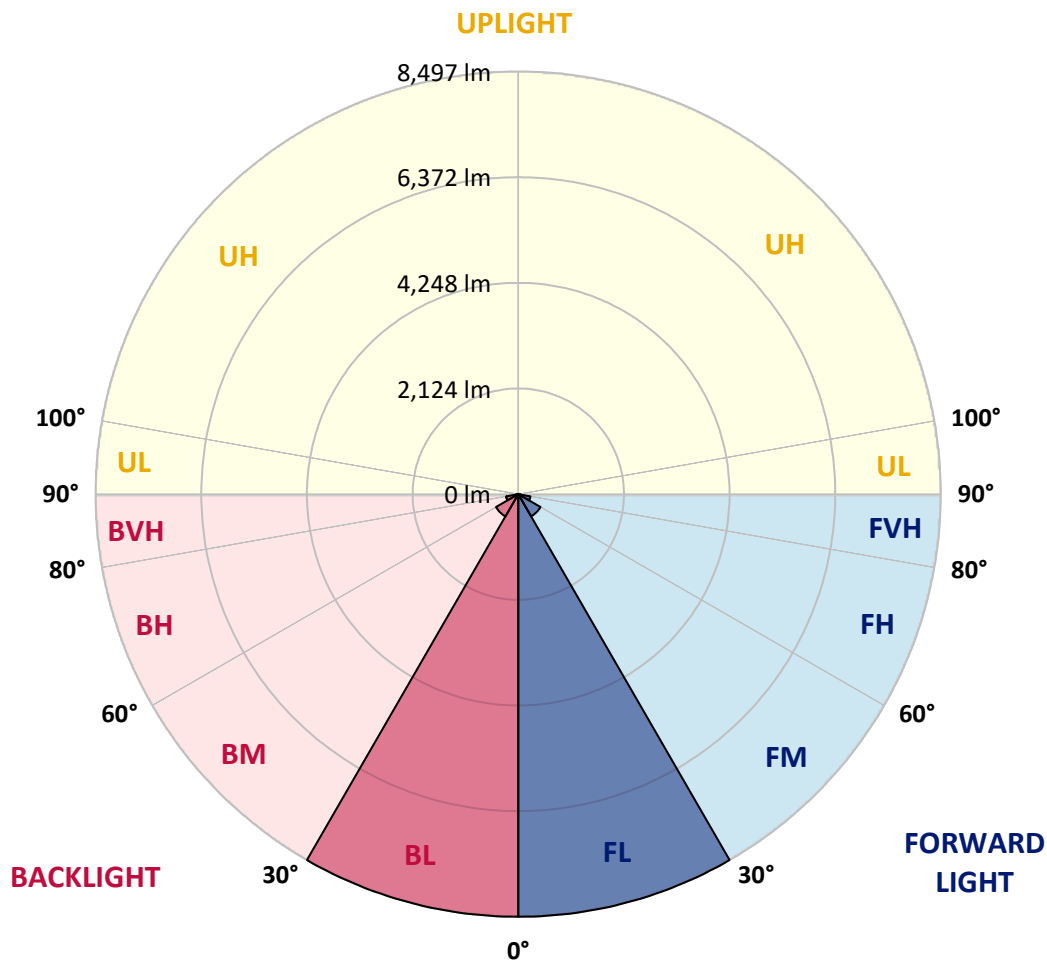
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8496.5	45.7			
FM (30°-60°)	516.5	2.8			
FH (60°-80°)	248.0	1.3			G0/660
FVH (80°-90°)	34.7	0.2			G1/100
BL (0°-30°)	8496.5	45.7	B5		
BM (30°-60°)	516.5	2.8	B1/1000		
BH (60°-80°)	248.0	1.3	B1/500		G0/660
BVH (80°-90°)	34.7	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°	276009.1
1°	271153.7
2°	257553.1
3°	234192.5
4°	202073.0
5°	165856.4
6°	130392.7
7°	99888.1
8°	74552.6
9°	55583.7
10°	41451.2
12.5°	22591.4
15°	14495.4
17.5°	9781.8
20°	5815.6
22.5°	3235.1
25°	1849.4
27.5°	1172.9
30°	845.6
32.5°	690.1
35°	613.7
37.5°	570.1
40°	512.8
42.5°	455.5
45°	406.4
47.5°	381.9
50°	365.5
52.5°	354.6
55°	346.4
57.5°	341.0
60°	330.1
62.5°	321.9
65°	305.5
67.5°	283.7
70°	256.4
72.5°	220.9
75°	185.5
77.5°	152.8
80°	122.7
82.5°	95.5
85°	70.9
87.5°	27.3
90°	0.0

(END OF REPORT)