

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: P525768

Luminaire Tested: **IFLD-L-SA7A-940-U-33**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525768  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-940-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33  
distribution lens  
Light Source: (112) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

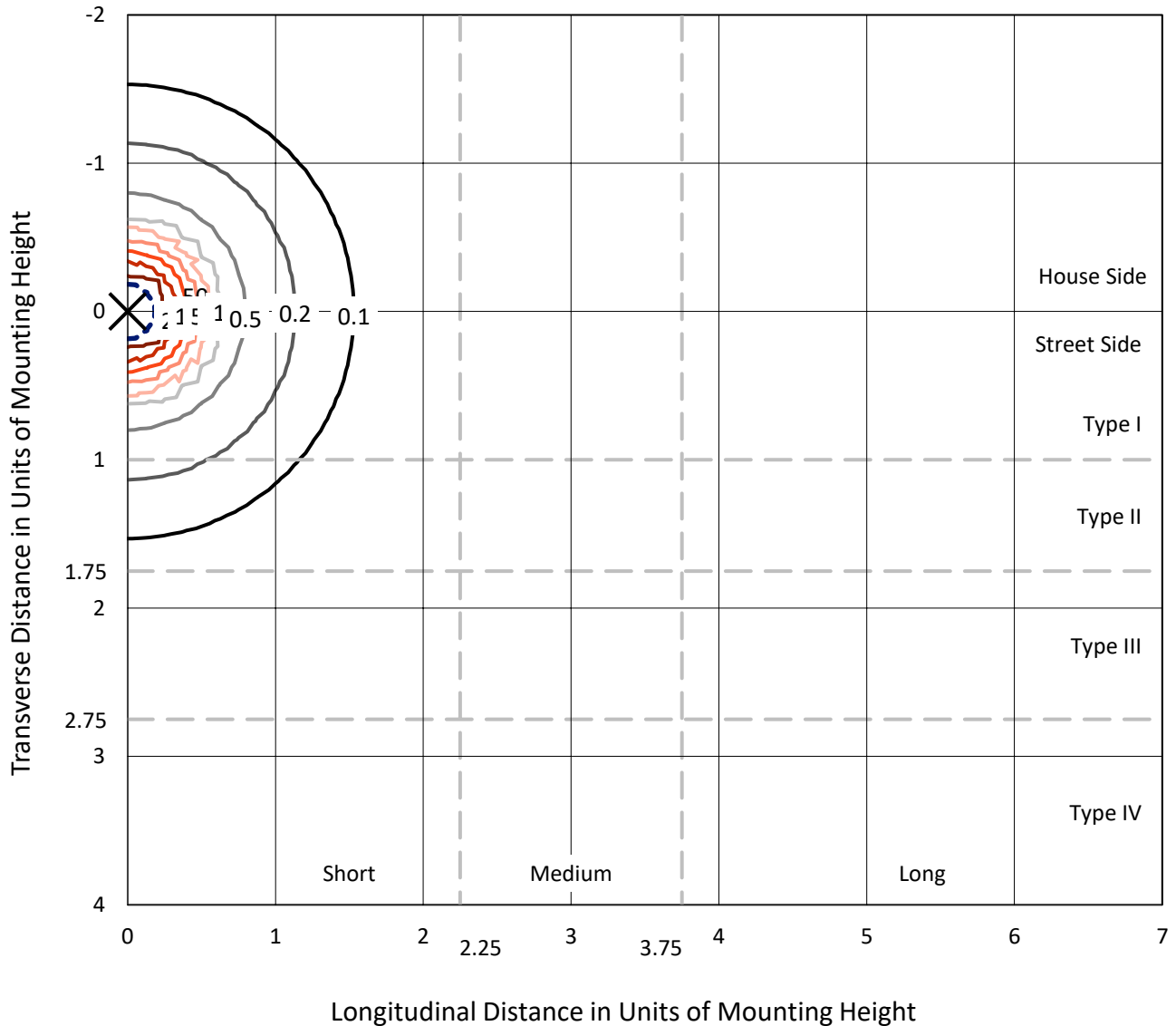
Lumens per Lamp: N/A  
Luminaire Lumens: 23023.2 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 217.6  
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

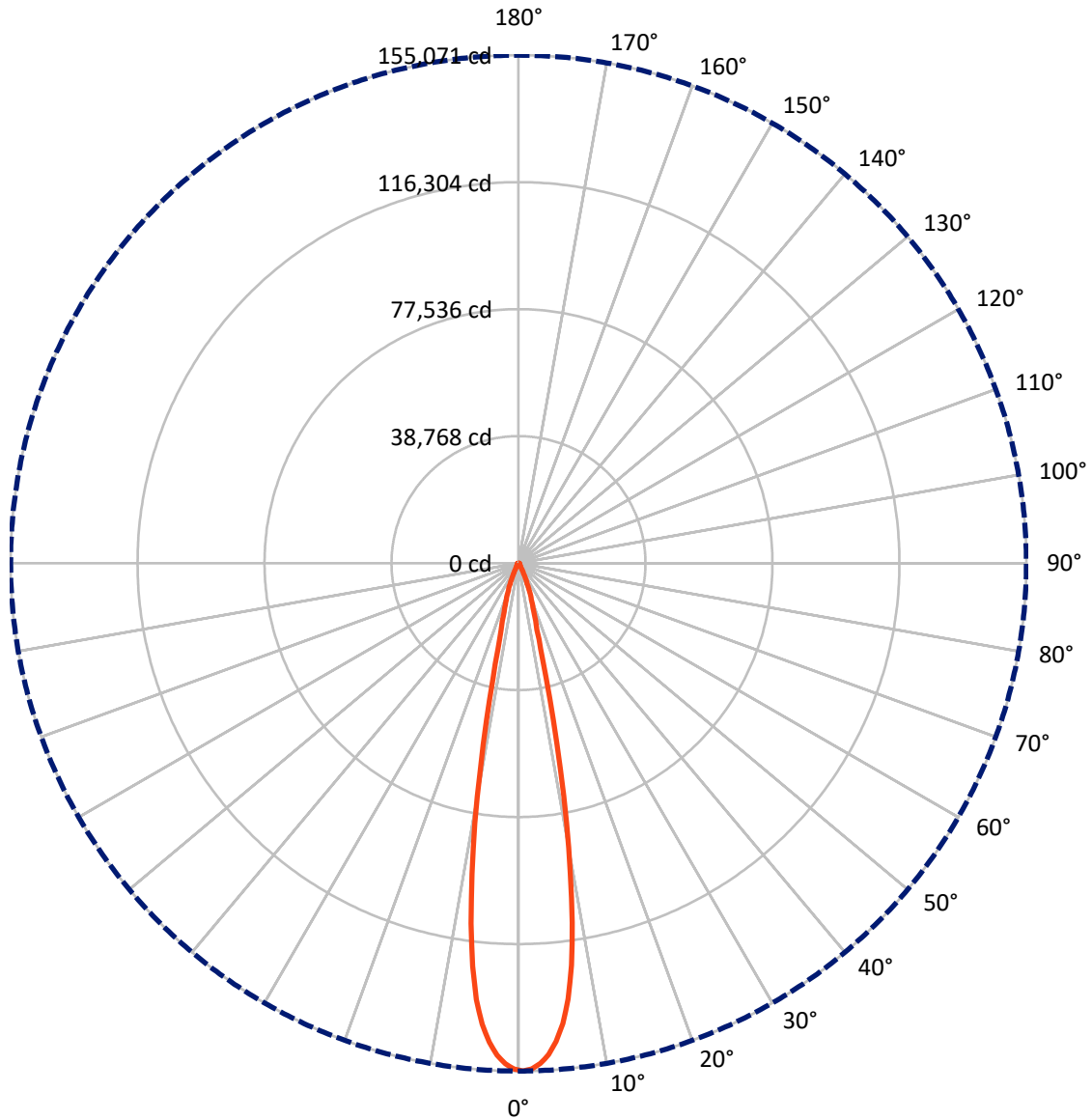
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 248.1 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	11511.6	0.0	11511.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11511.6	0.0	11511.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23023.2	0.0	23023.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11545.9	50.1
10°-20°	7594.5	33.0
20°-30°	2042.8	8.9
30°-40°	507.6	2.2
40°-50°	378.8	1.6
50°-60°	348.3	1.5
60°-70°	319.5	1.4
70°-80°	206.6	0.9
80°-90°	79.4	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°	23023.2	100.0
0°-180°	23023.2	100.0

**Coefficient of Utilization**



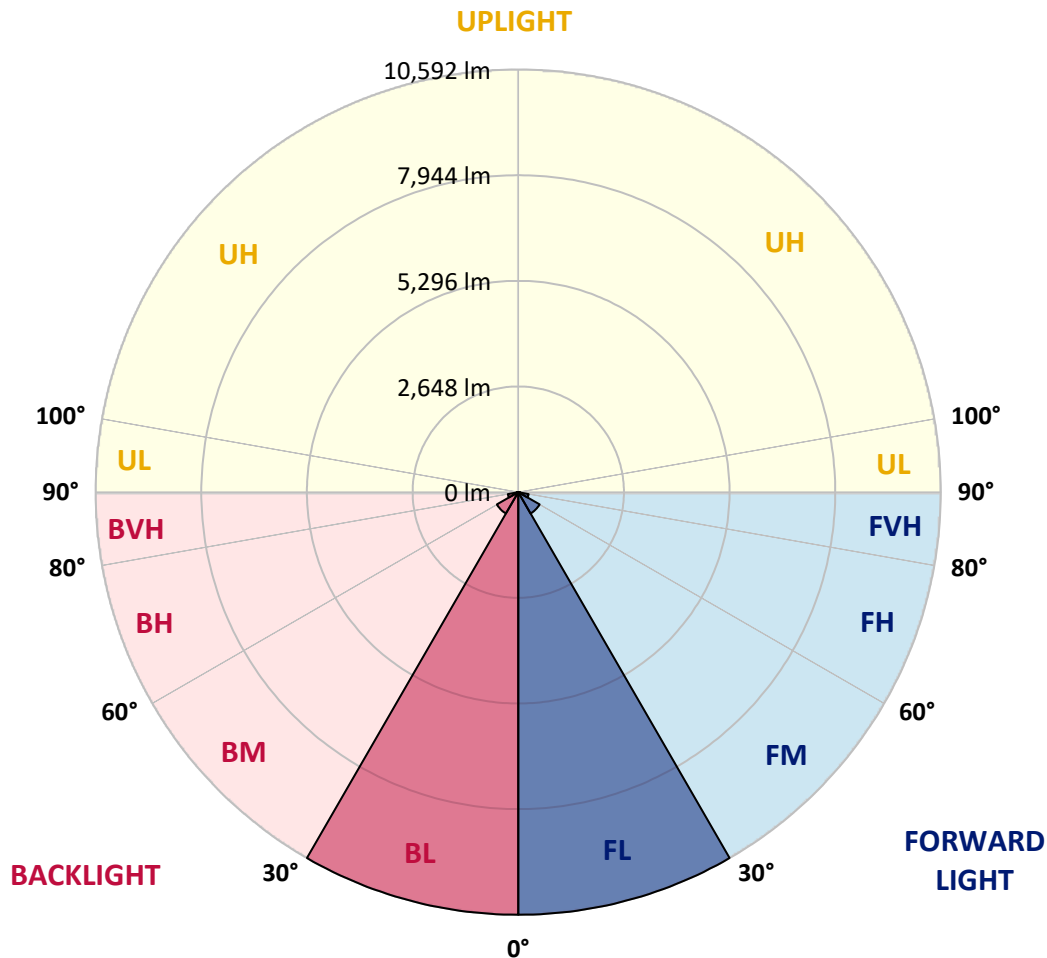
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10591.6	46.0			
FM (30°-60°)	617.3	2.7			
FH (60°-80°)	263.0	1.1			G0/660
FVH (80°-90°)	39.7	0.2			G1/100
BL (0°-30°)	10591.6	46.0	B5		
BM (30°-60°)	617.3	2.7	B1/1000		
BH (60°-80°)	263.0	1.1	B1/500		G0/660
BVH (80°-90°)	39.7	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°	155071.4
1°	154464.5
2°	152935.5
3°	150331.8
4°	146538.1
5°	141256.0
6°	133882.1
7°	123789.3
8°	110991.0
9°	95897.4
10°	80590.3
11°	64147.5
12°	48884.4
13°	36123.4
14°	27034.1
15°	21172.3
17.5°	14191.7
20°	10259.0
22.5°	6763.6
25°	3970.0
27.5°	2227.4
30°	1244.2
32.5°	908.6
35°	769.6
37.5°	678.1
40°	596.7
42.5°	535.7
45°	481.4
47.5°	444.1
50°	413.6
52.5°	396.7
55°	386.5
57.5°	379.7
60°	369.5
62.5°	349.2
65°	325.5
67.5°	298.3
70°	264.4
72.5°	227.1
75°	193.2
77.5°	162.7
80°	135.6
82.5°	108.5
85°	81.4
87.5°	33.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)