

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: P525773

Luminaire Tested: **IFLD-L-SA8A-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525773  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-940-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

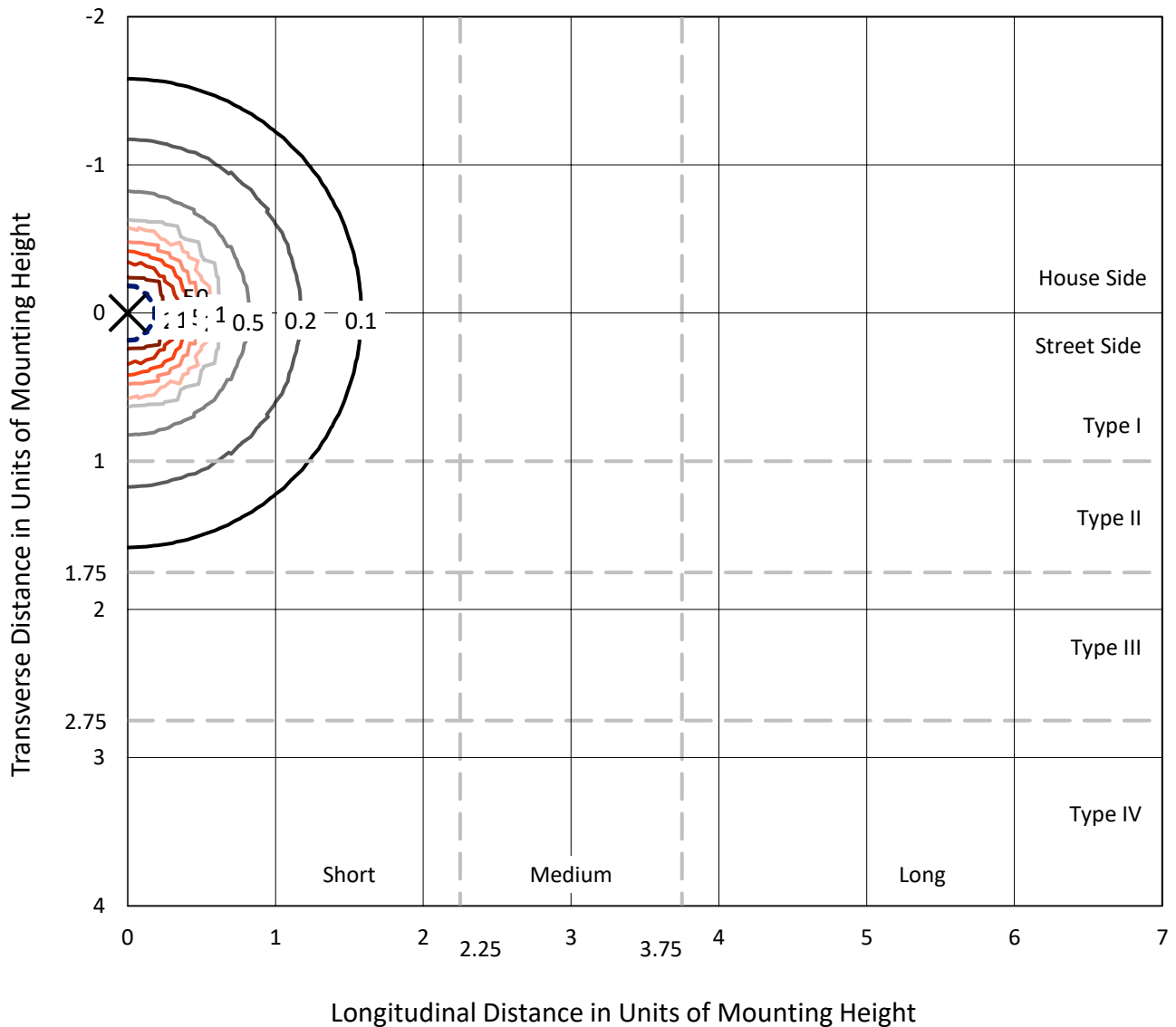
Lumens per Lamp: N/A  
Luminaire Lumens: 24785.9 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 247.8  
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

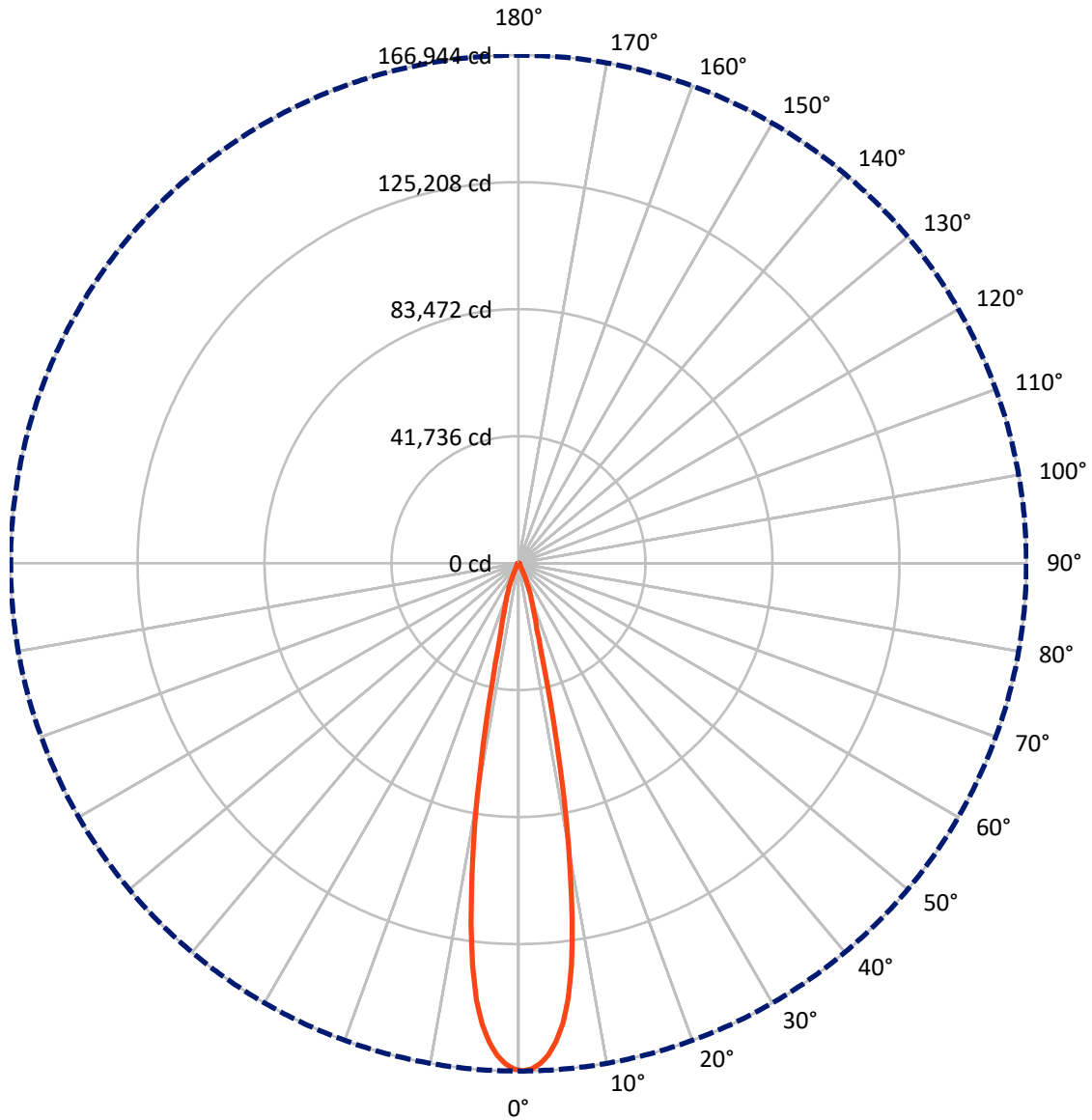
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 267.1 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	12393.0	0.0	12393.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12393.0	0.0	12393.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24785.9	0.0	24785.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12429.8	50.1
10°-20°	8176.0	33.0
20°-30°	2199.2	8.9
30°-40°	546.4	2.2
40°-50°	407.8	1.6
50°-60°	375.0	1.5
60°-70°	343.9	1.4
70°-80°	222.4	0.9
80°-90°	85.4	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°	24785.9	100.0
0°-180°	24785.9	100.0

**Coefficient of Utilization**



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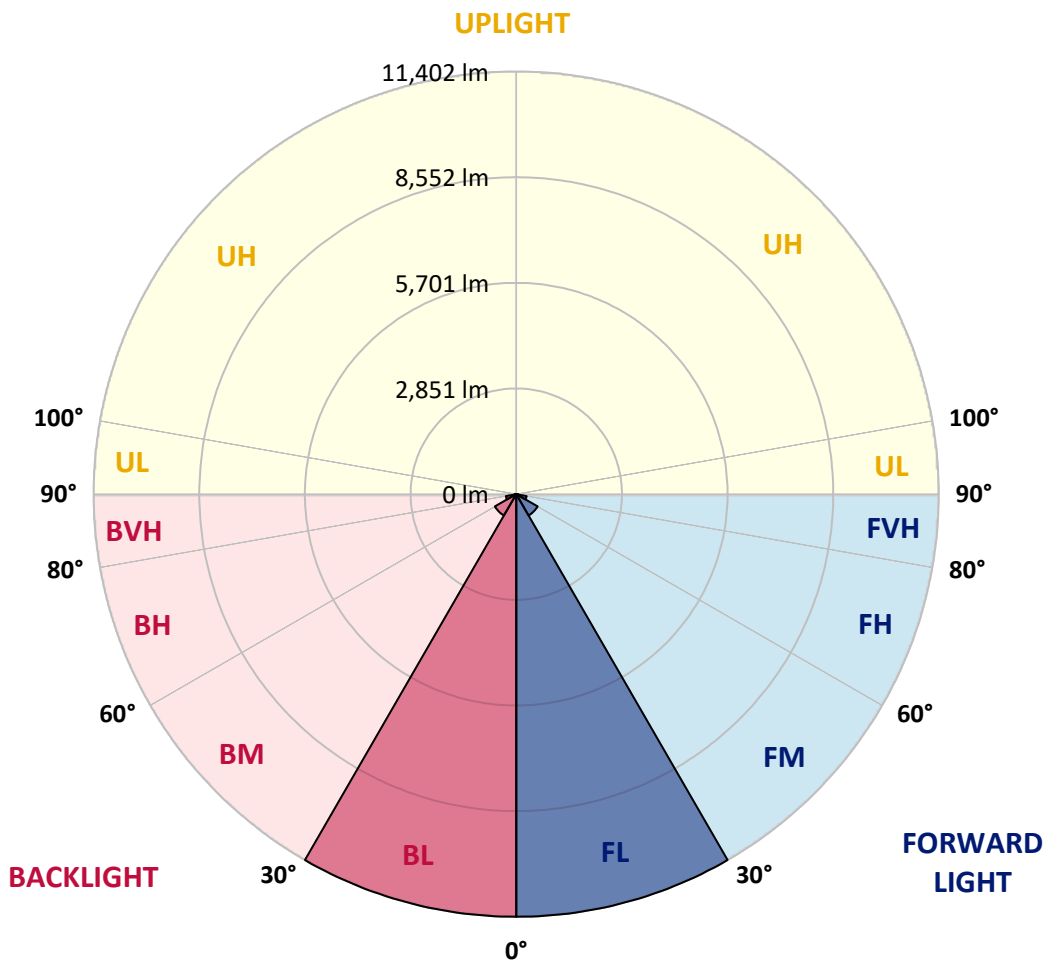
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11402.5	46.0			
FM (30°-60°)	664.6	2.7			
FH (60°-80°)	283.2	1.1			G0/660
FVH (80°-90°)	42.7	0.2			G1/100
BL (0°-30°)	11402.5	46.0	B5		
BM (30°-60°)	664.6	2.7	B1/1000		
BH (60°-80°)	283.2	1.1	B1/500		G0/660
BVH (80°-90°)	42.7	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°	166943.8
1°	166290.5
2°	164644.4
3°	161841.3
4°	157757.1
5°	152070.7
6°	144132.3
7°	133266.7
8°	119488.5
9°	103239.4
10°	86760.4
11°	69058.7
12°	52627.1
13°	38889.1
14°	29103.8
15°	22793.3
17.5°	15278.2
20°	11044.4
22.5°	7281.4
25°	4274.0
27.5°	2397.9
30°	1339.5
32.5°	978.2
35°	828.5
37.5°	730.0
40°	642.4
42.5°	576.7
45°	518.3
47.5°	478.1
50°	445.3
52.5°	427.0
55°	416.1
57.5°	408.8
60°	397.8
62.5°	375.9
65°	350.4
67.5°	321.2
70°	284.7
72.5°	244.5
75°	208.0
77.5°	175.2
80°	146.0
82.5°	116.8
85°	87.6
87.5°	36.5



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)