

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: P525688

Luminaire Tested: **IFLD-M-SA4D-930-U-33**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525688  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4D-930-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33  
distribution lens  
Light Source: (64) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

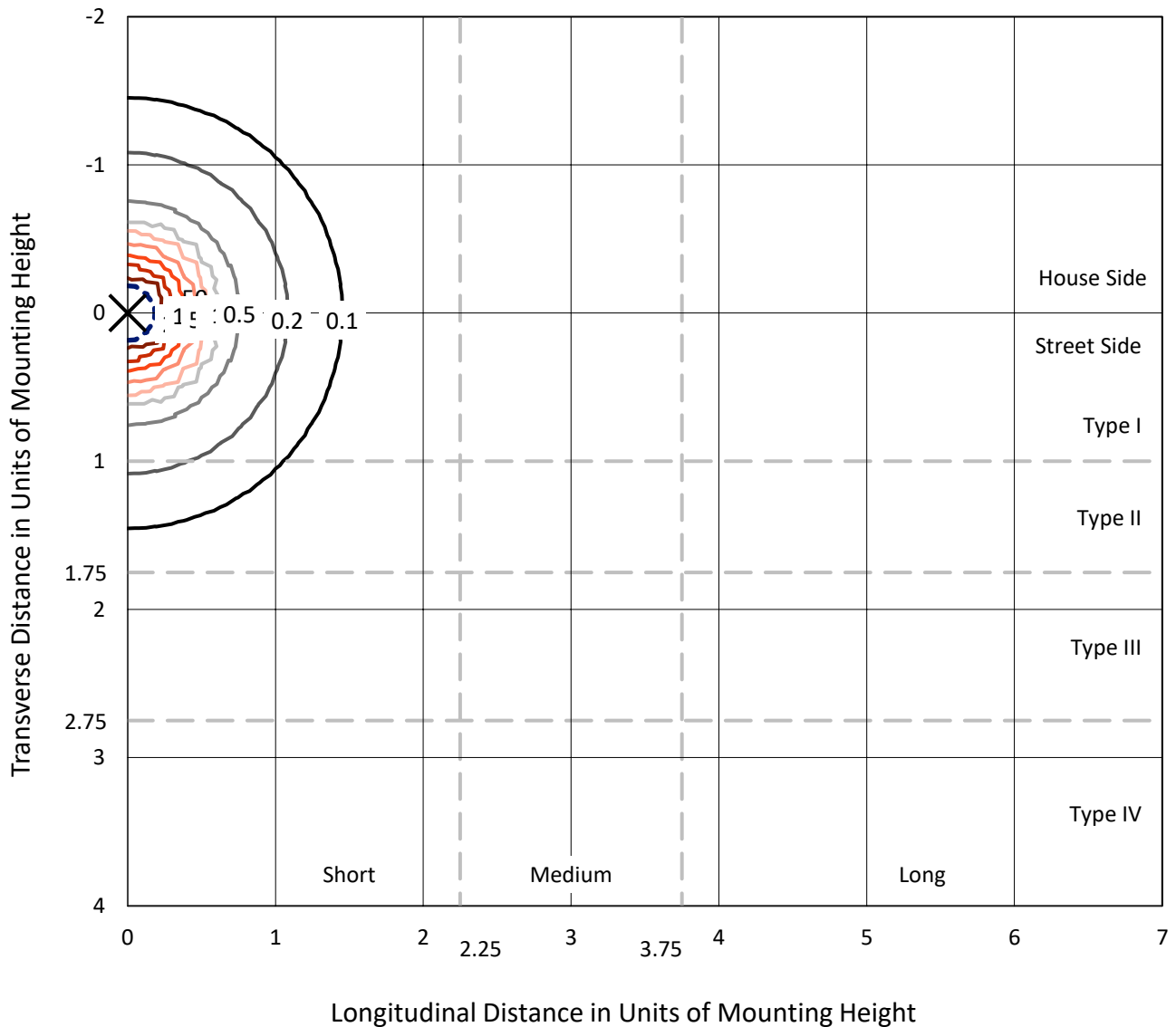
Lumens per Lamp: N/A  
Luminaire Lumens: 20380.8 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7  
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

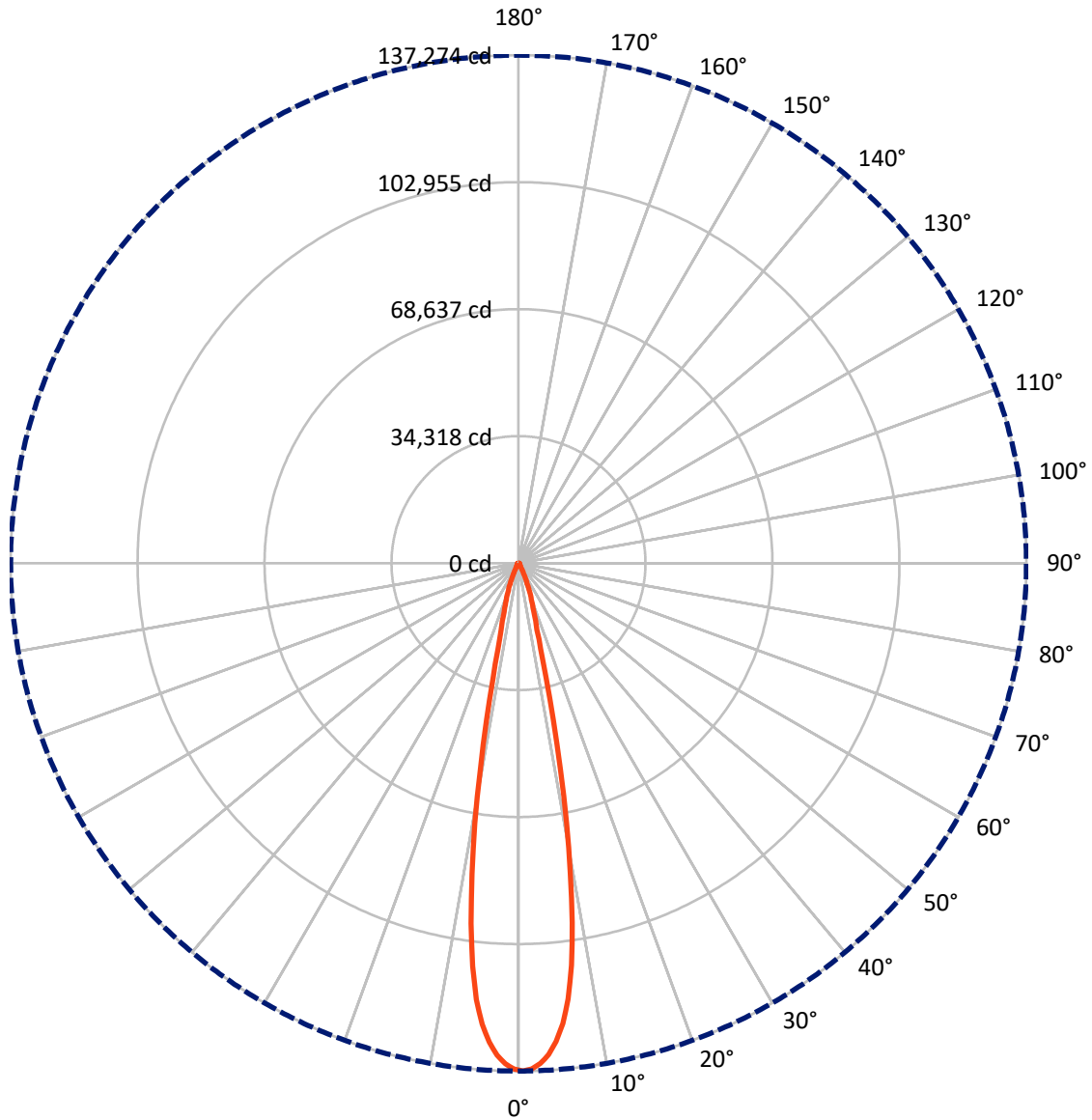
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 219.6 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	10190.4	0.0	10190.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10190.4	0.0	10190.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20380.8	0.0	20380.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10220.7	50.1
10°-20°	6722.9	33.0
20°-30°	1808.3	8.9
30°-40°	449.3	2.2
40°-50°	335.3	1.6
50°-60°	308.3	1.5
60°-70°	282.8	1.4
70°-80°	182.9	0.9
80°-90°	70.2	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°	20380.8	100.0
0°-180°	20380.8	100.0

**Coefficient of Utilization**

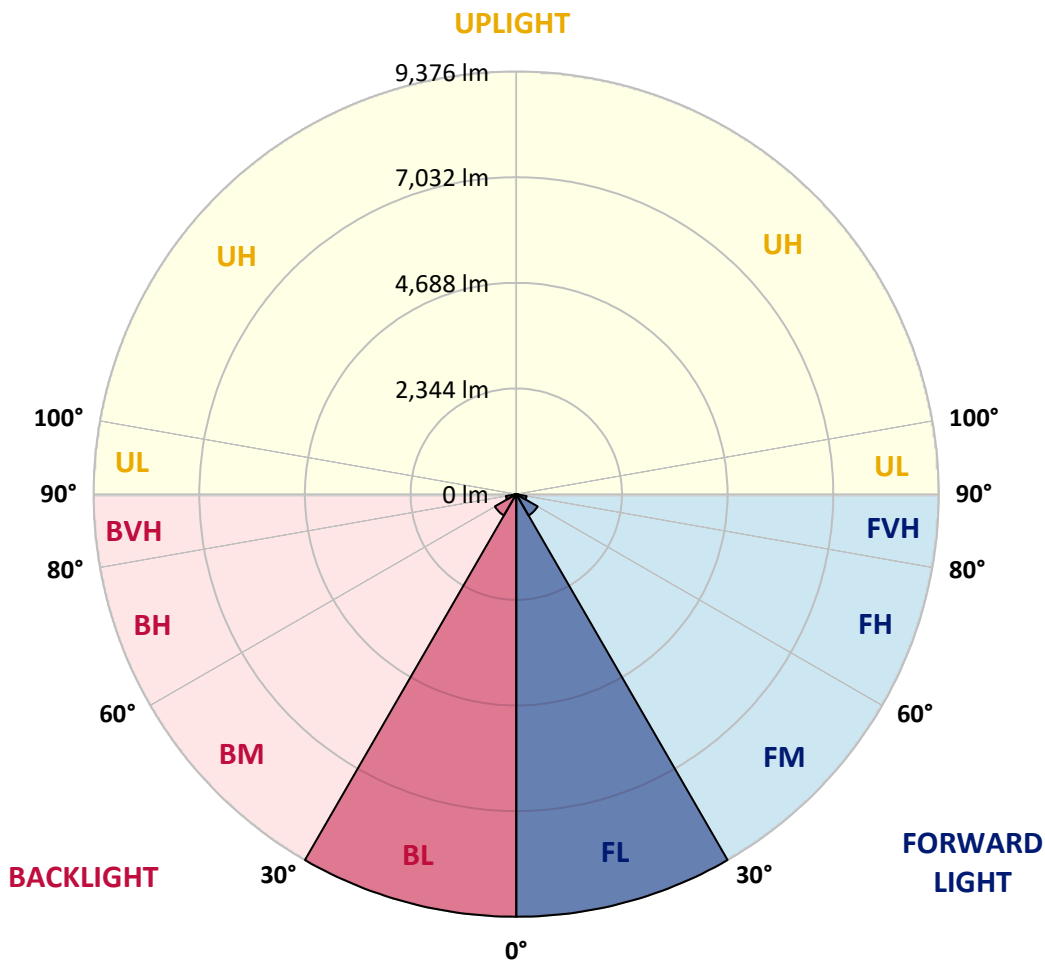


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9376.0	46.0			
FM (30°-60°)	546.5	2.7			
FH (60°-80°)	232.9	1.1			G0/660
FVH (80°-90°)	35.1	0.2			G1/100
BL (0°-30°)	9376.0	46.0	B5		
BM (30°-60°)	546.5	2.7	B1/1000		
BH (60°-80°)	232.9	1.1	B1/500		G0/660
BVH (80°-90°)	35.1	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°	137273.9
1°	136736.7
2°	135383.2
3°	133078.3
4°	129719.9
5°	125044.1
6°	118516.5
7°	109582.0
8°	98252.6
9°	84891.3
10°	71341.0
11°	56785.3
12°	43274.0
13°	31977.6
14°	23931.4
15°	18742.4
17.5°	12562.9
20°	9081.6
22.5°	5987.4
25°	3514.4
27.5°	1971.8
30°	1101.4
32.5°	804.3
35°	681.3
37.5°	600.2
40°	528.2
42.5°	474.2
45°	426.2
47.5°	393.2
50°	366.1
52.5°	351.1
55°	342.1
57.5°	336.1
60°	327.1
62.5°	309.1
65°	288.1
67.5°	264.1
70°	234.1
72.5°	201.1
75°	171.1
77.5°	144.1
80°	120.0
82.5°	96.0
85°	72.0
87.5°	30.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)