

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: P525624

Luminaire Tested: **IFLD-S-SA2D-927-U-33**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525624  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-927-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33  
distribution lens  
Light Source: (32) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

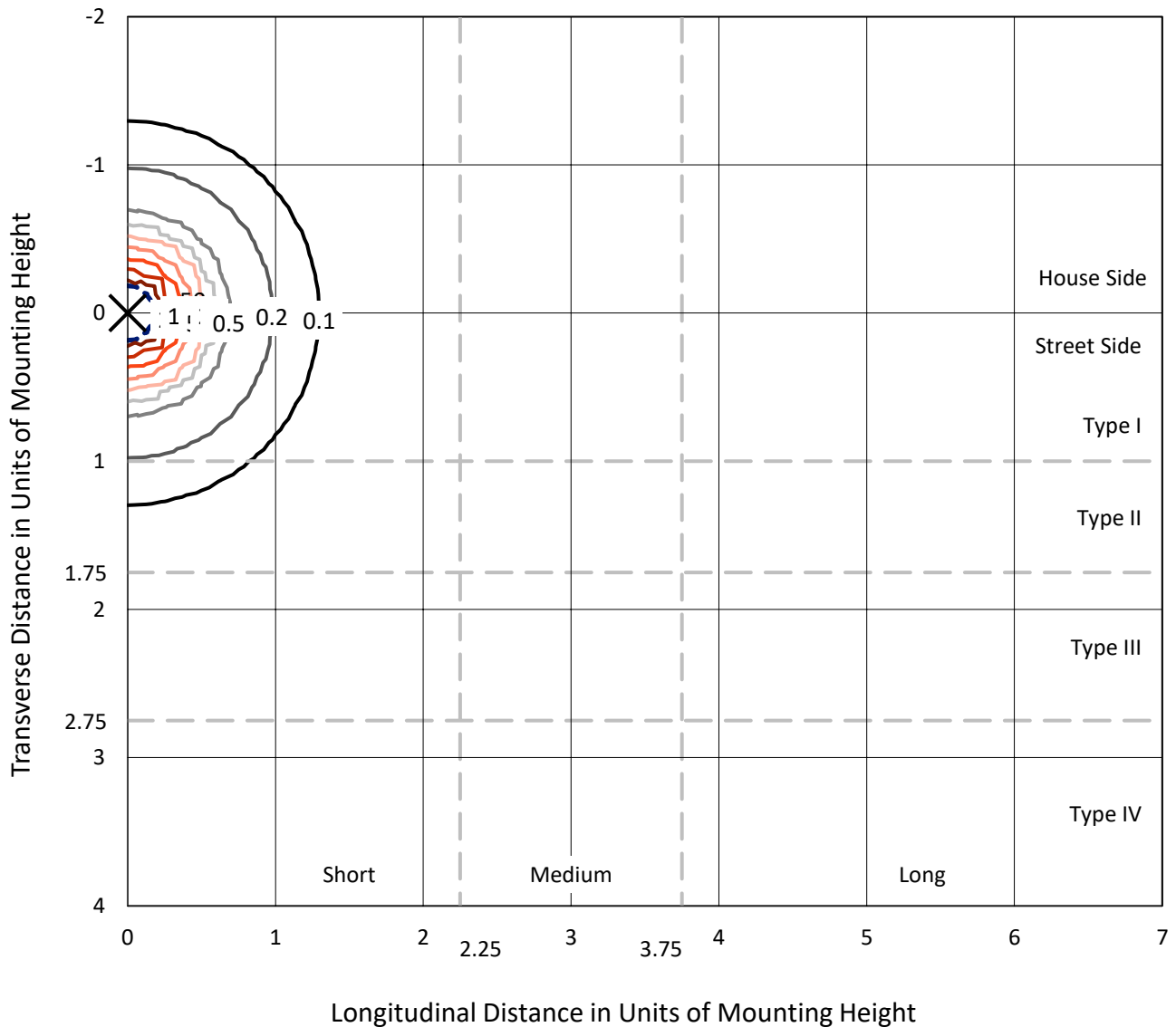
Lumens per Lamp: N/A  
Luminaire Lumens: 10078.4 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 123.9  
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

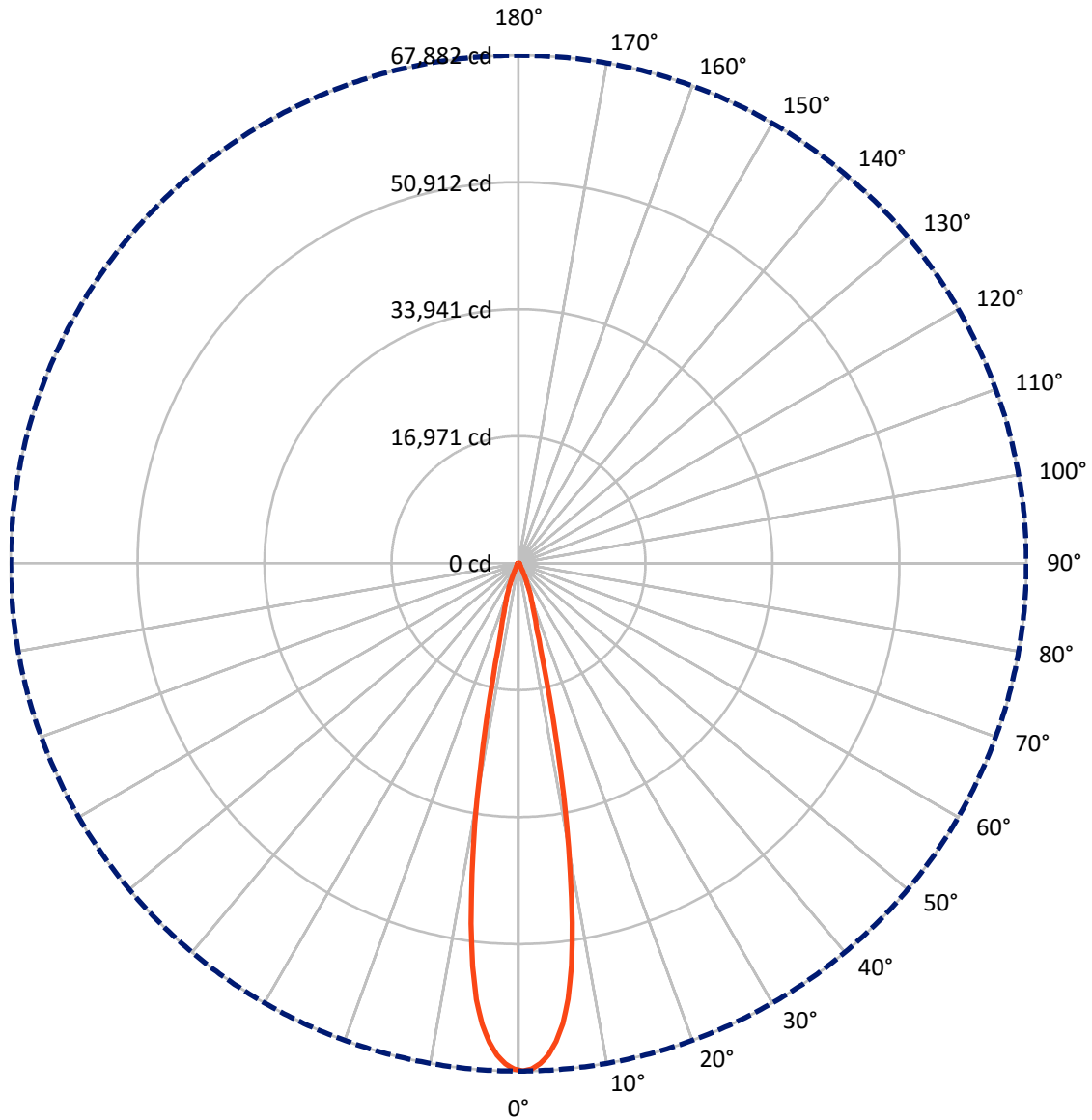
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 169.7 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	5039.2	0.0	5039.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5039.2	0.0	5039.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10078.4	0.0	10078.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5054.2	50.1
10°-20°	3324.5	33.0
20°-30°	894.2	8.9
30°-40°	222.2	2.2
40°-50°	165.8	1.6
50°-60°	152.5	1.5
60°-70°	139.9	1.4
70°-80°	90.4	0.9
80°-90°	34.7	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°	10078.4	100.0
0°-180°	10078.4	100.0

**Coefficient of Utilization**



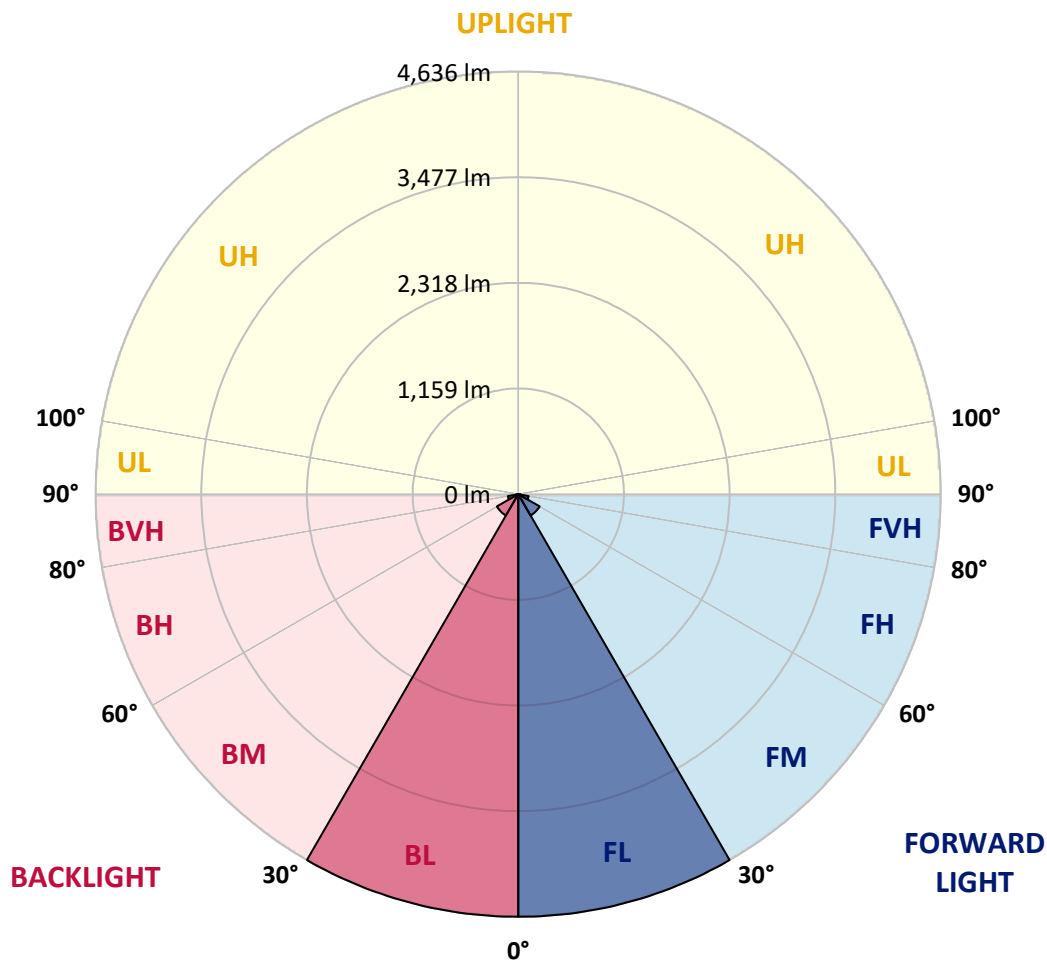
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4636.5	46.0			
FM (30°-60°)	270.2	2.7			
FH (60°-80°)	115.2	1.1			G0/660
FVH (80°-90°)	17.4	0.2			G1/100
BL (0°-30°)	4636.5	46.0	B4/5000		
BM (30°-60°)	270.2	2.7	B1/1000		
BH (60°-80°)	115.2	1.1	B1/500		G0/660
BVH (80°-90°)	17.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	67882.4
1°	67616.8
2°	66947.4
3°	65807.7
4°	64147.0
5°	61834.7
6°	58606.8
7°	54188.7
8°	48586.2
9°	41979.1
10°	35278.4
11°	28080.5
12°	21399.1
13°	15813.0
14°	11834.2
15°	9268.2
17.5°	6212.4
20°	4490.9
22.5°	2960.8
25°	1737.9
27.5°	975.0
30°	544.7
32.5°	397.7
35°	336.9
37.5°	296.8
40°	261.2
42.5°	234.5
45°	210.7
47.5°	194.4
50°	181.1
52.5°	173.6
55°	169.2
57.5°	166.2
60°	161.8
62.5°	152.9
65°	142.5
67.5°	130.6
70°	115.8
72.5°	99.4
75°	84.6
77.5°	71.2
80°	59.4
82.5°	47.5
85°	35.6
87.5°	14.8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)