

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: P525772

Luminaire Tested: **IFLD-L-SA7E-940-U-33**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525772  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7E-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

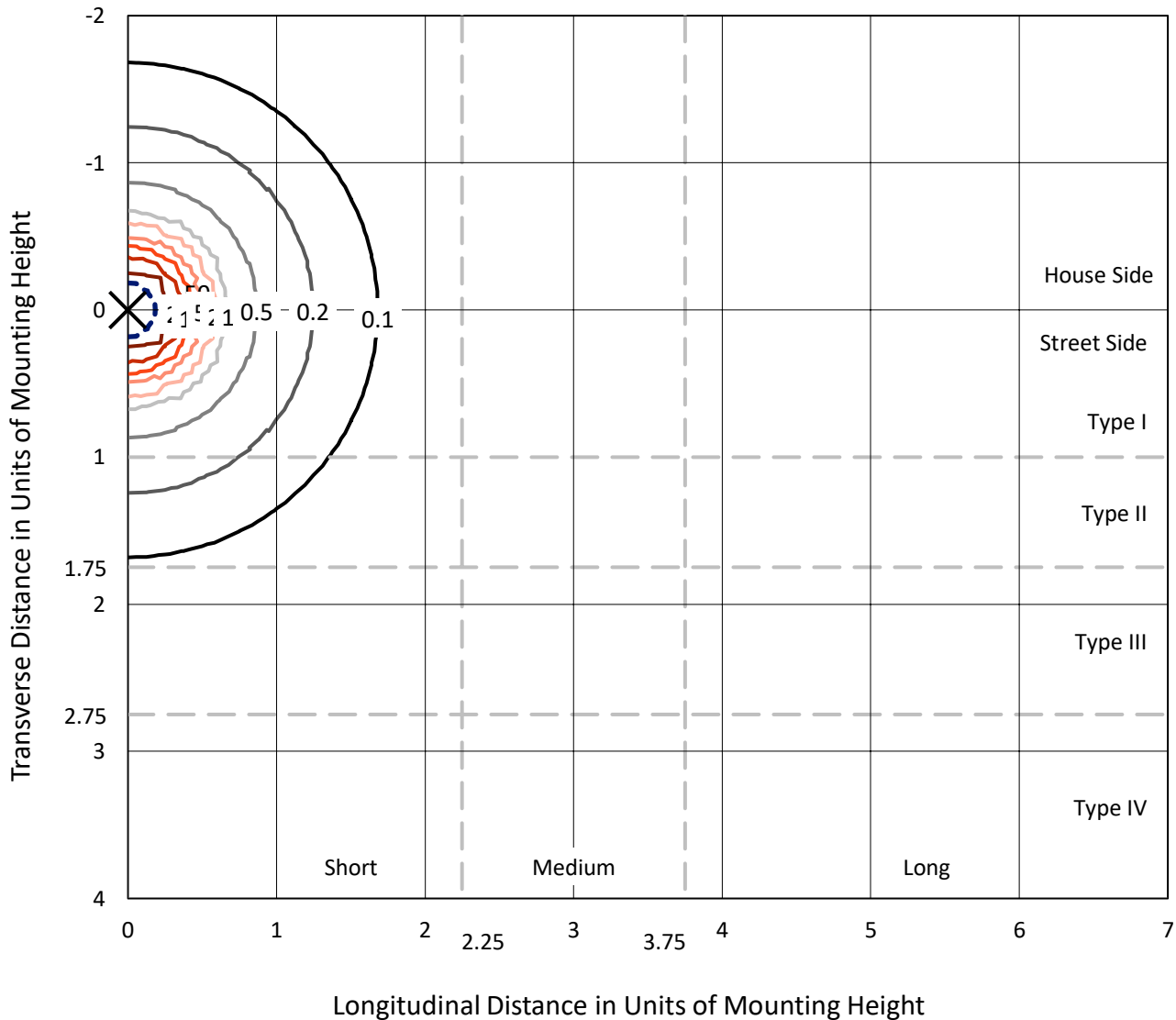
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41523.1 lumens  
Efficiency: N/A  
Efficacy: 77.9 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): 532.7  
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

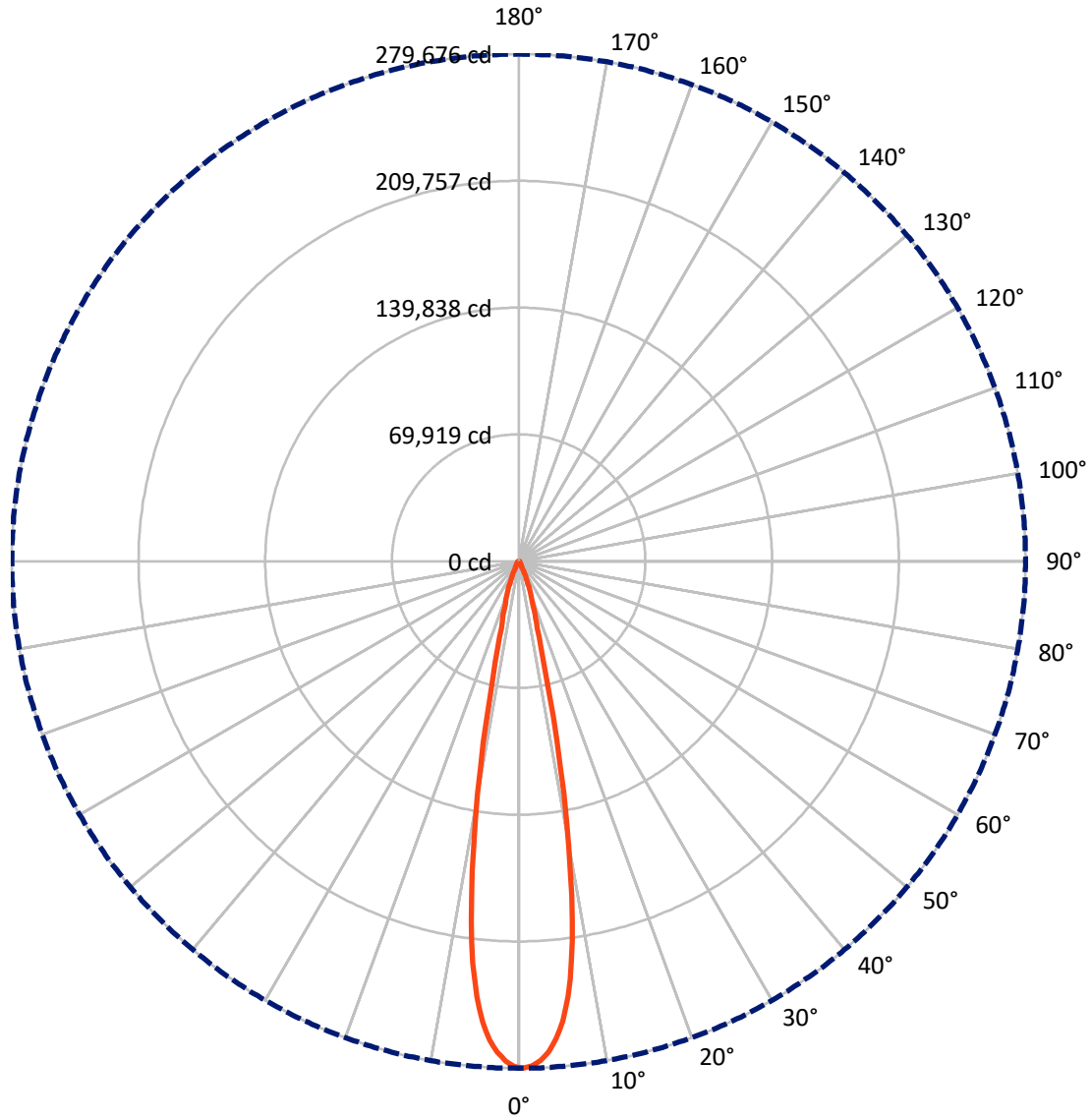
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 310.8 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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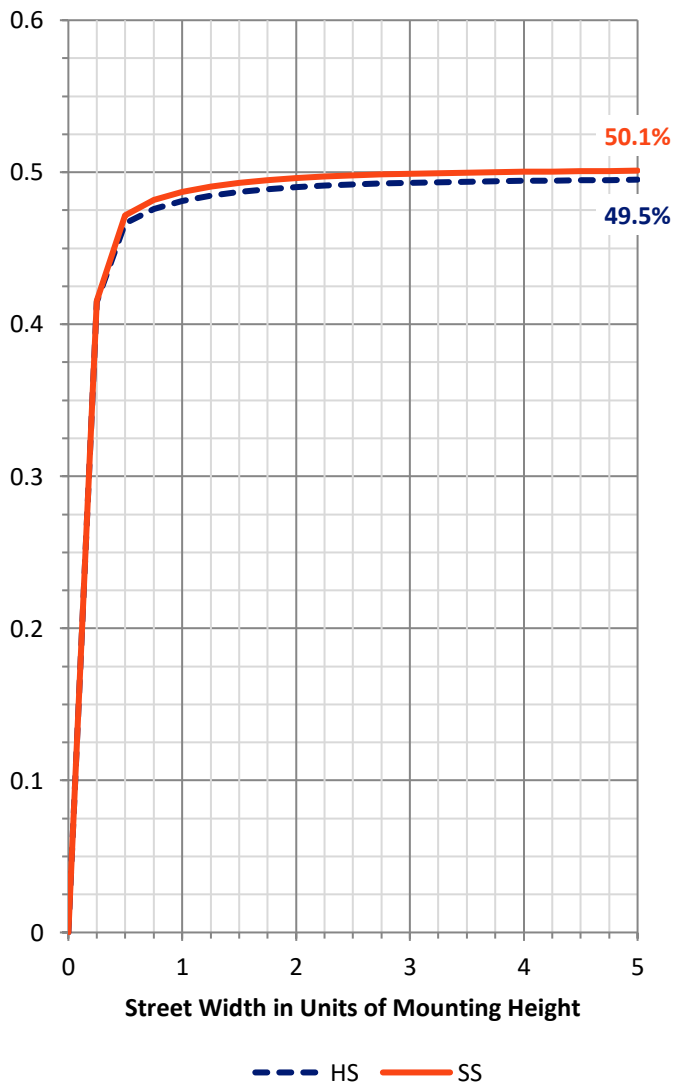
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20761.6	0.0	20761.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20761.6	0.0	20761.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41523.1	0.0	41523.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20823.3	50.1
10°-20°	13697.0	33.0
20°-30°	3684.2	8.9
30°-40°	915.4	2.2
40°-50°	683.1	1.6
50°-60°	628.2	1.5
60°-70°	576.2	1.4
70°-80°	372.7	0.9
80°-90°	143.1	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°	41523.1	100.0
0°-180°	41523.1	100.0

**Coefficient of Utilization**

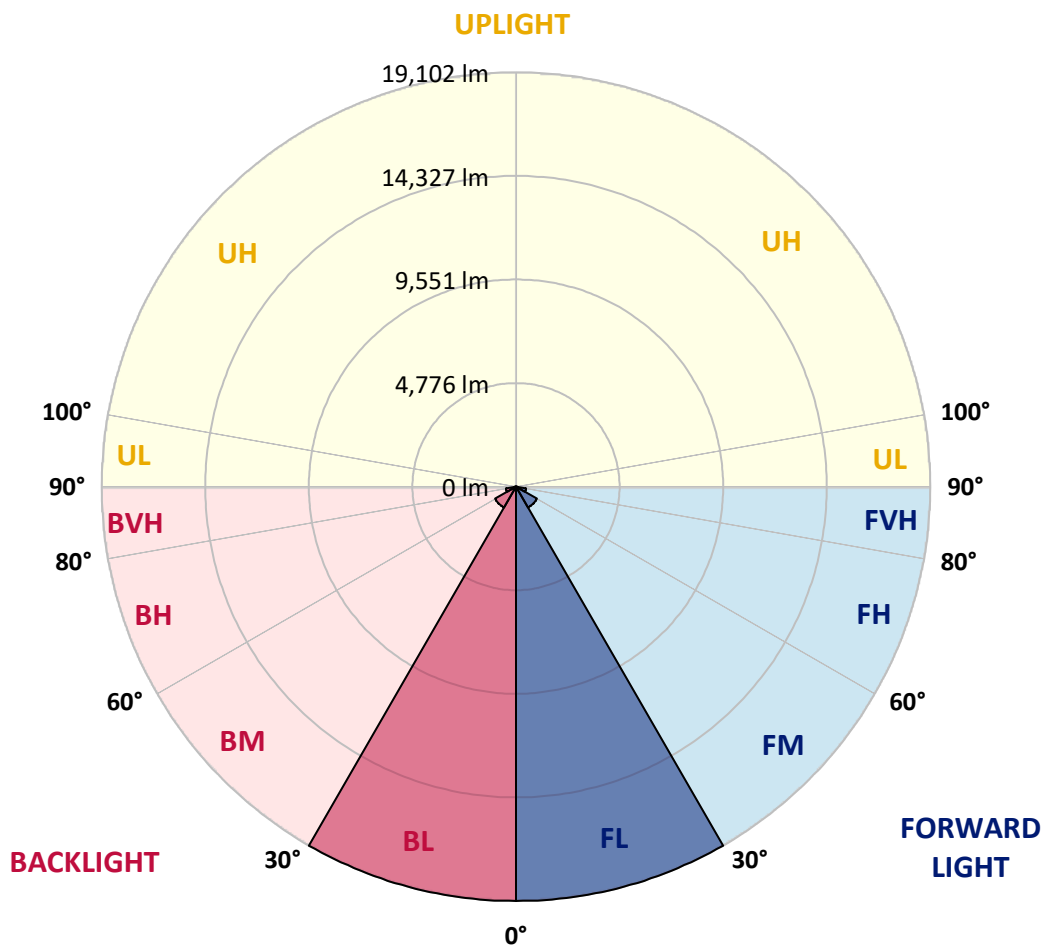


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	19102.2	46.0			
FM (30°-60°)	1113.4	2.7			
FH (60°-80°)	474.4	1.1			G0/660
FVH (80°-90°)	71.5	0.2			G1/100
BL (0°-30°)	19102.2	46.0	B5		
BM (30°-60°)	1113.4	2.7	B2/2500		
BH (60°-80°)	474.4	1.1	B1/500		G0/660
BVH (80°-90°)	71.5	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°	279675.9
1°	278581.4
2°	275823.8
3°	271127.9
4°	264285.8
5°	254759.5
6°	241460.5
7°	223257.7
8°	200175.6
9°	172953.9
10°	145347.1
11°	115691.9
12°	88164.6
13°	65149.7
14°	48756.8
15°	38184.9
17.5°	25595.2
20°	18502.4
22.5°	12198.4
25°	7160.0
27.5°	4017.2
30°	2244.0
32.5°	1638.7
35°	1388.0
37.5°	1222.9
40°	1076.1
42.5°	966.1
45°	868.3
47.5°	801.0
50°	746.0
52.5°	715.4
55°	697.0
57.5°	684.8
60°	666.5
62.5°	629.8
65°	587.0
67.5°	538.1
70°	476.9
72.5°	409.7
75°	348.5
77.5°	293.5
80°	244.6
82.5°	195.7
85°	146.7
87.5°	61.1



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)