

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: P525761

Luminaire Tested: **IFLD-S-SA6D-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525761  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-940-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (96) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

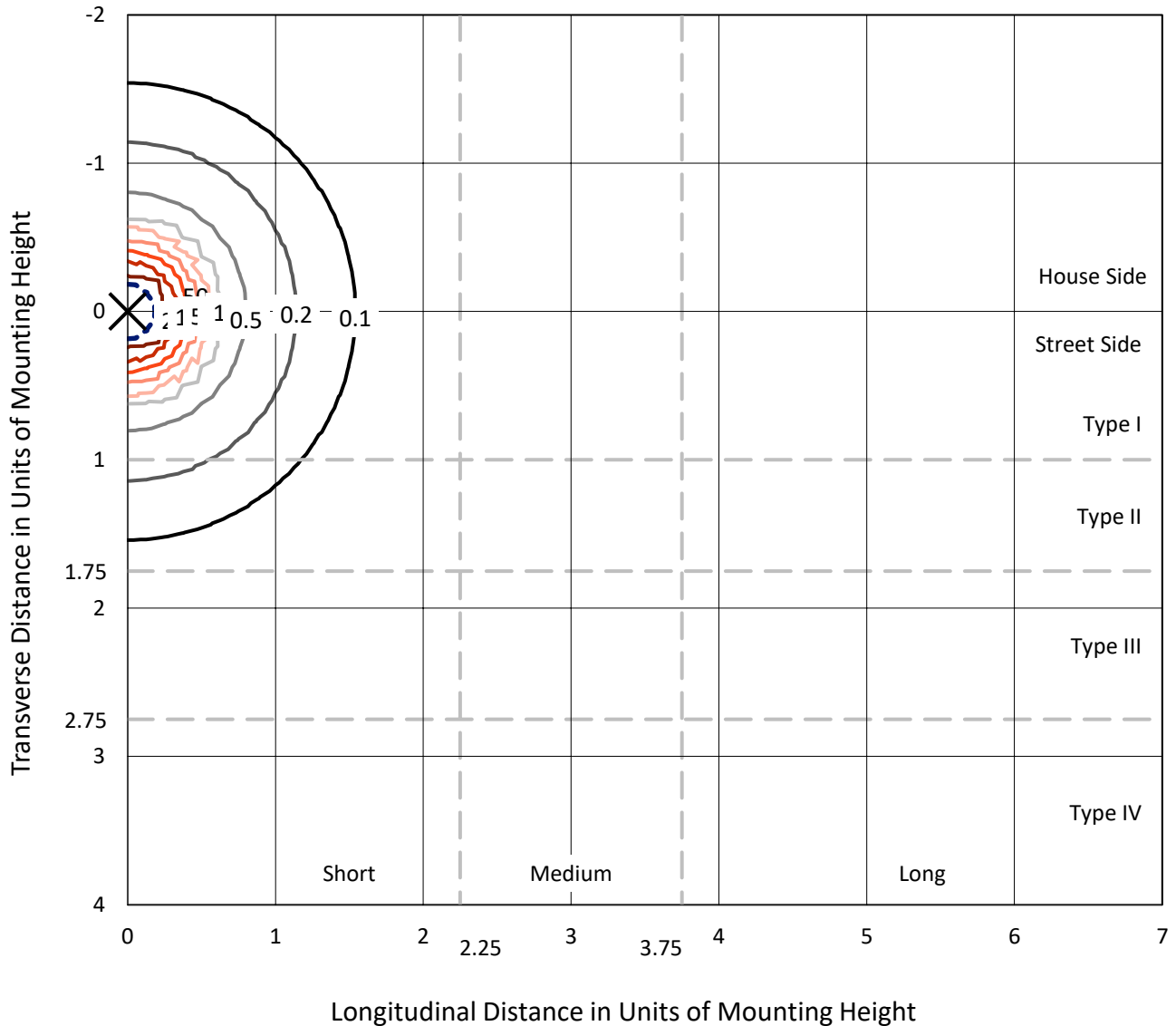
Lumens per Lamp: N/A  
Luminaire Lumens: 33631 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 368.2  
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

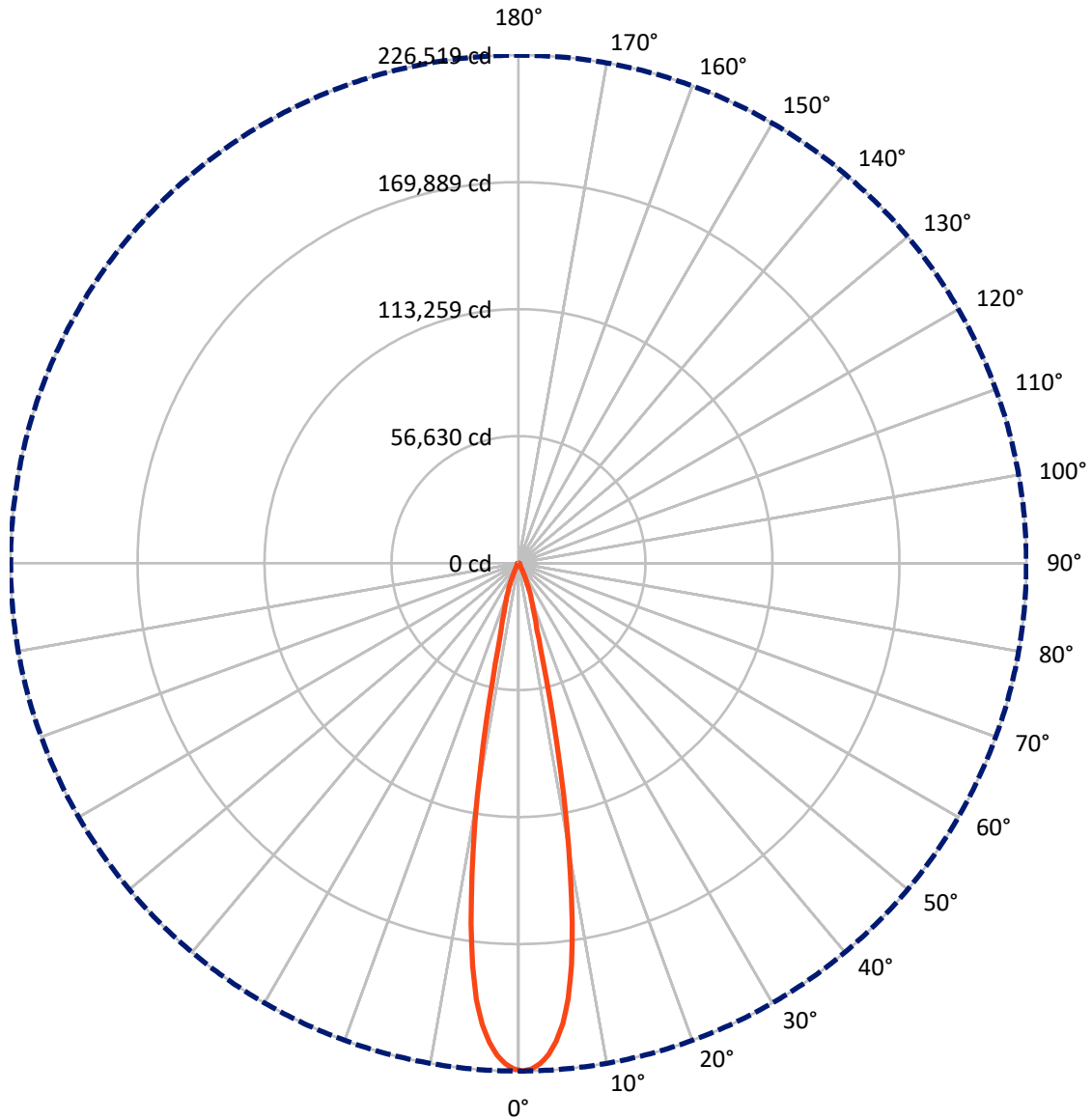
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 251.7 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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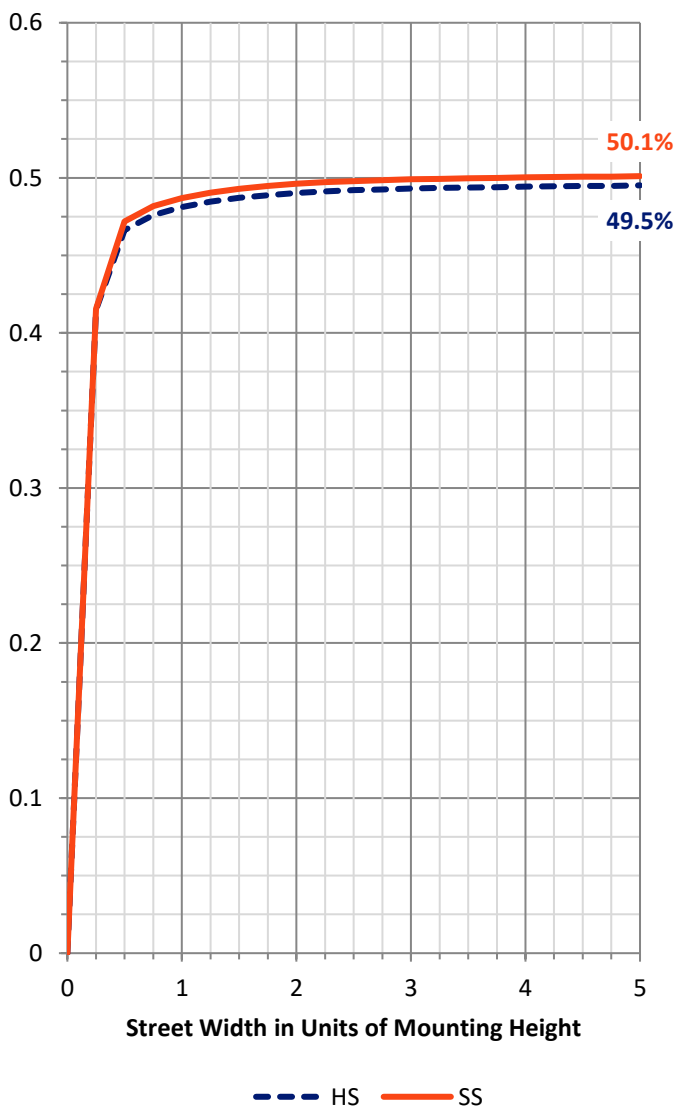
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16815.5	0.0	16815.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16815.5	0.0	16815.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33631.0	0.0	33631.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16865.5	50.1
10°-20°	11093.6	33.0
20°-30°	2984.0	8.9
30°-40°	741.4	2.2
40°-50°	553.3	1.6
50°-60°	508.8	1.5
60°-70°	466.7	1.4
70°-80°	301.8	0.9
80°-90°	115.9	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°	33631.0	100.0
0°-180°	33631.0	100.0



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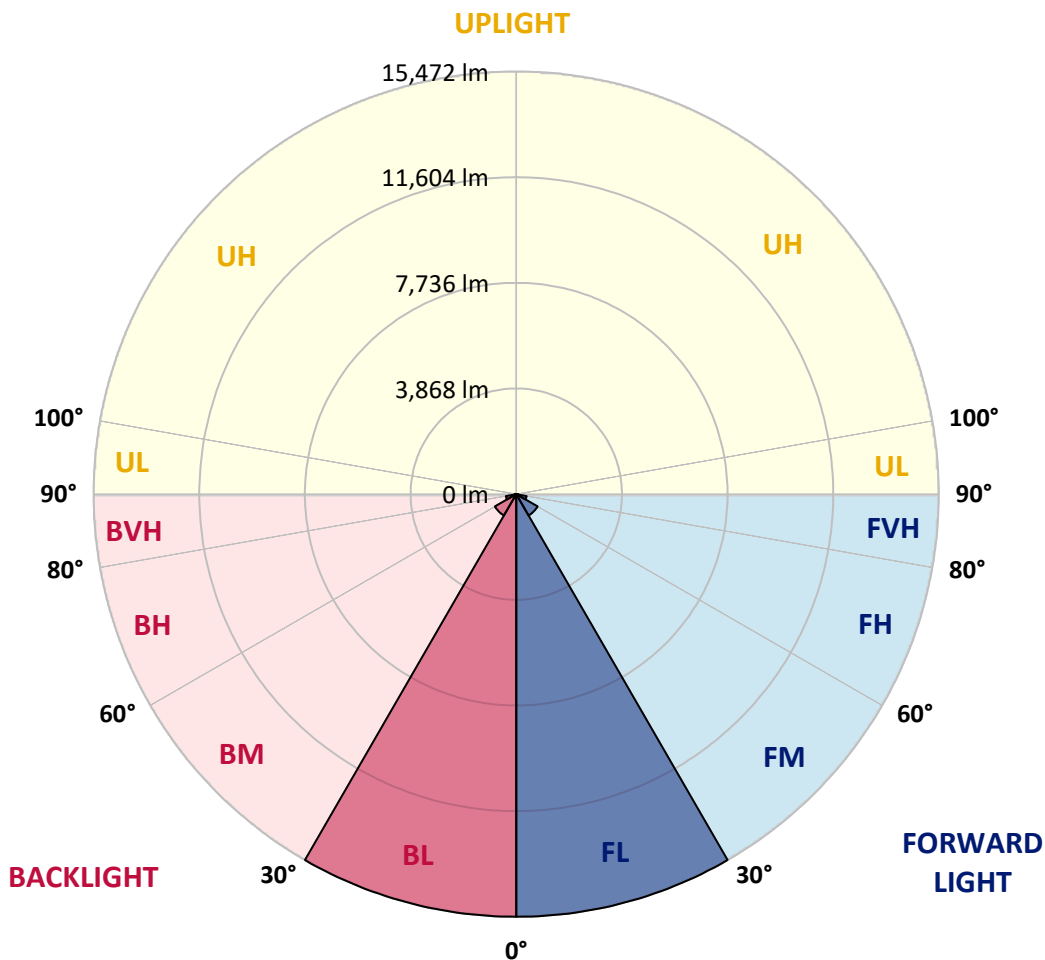
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15471.5	46.0			
FM (30°-60°)	901.8	2.7			
FH (60°-80°)	384.2	1.1			G0/660
FVH (80°-90°)	58.0	0.2			G1/100
BL (0°-30°)	15471.5	46.0	B5		
BM (30°-60°)	901.8	2.7	B1/1000		
BH (60°-80°)	384.2	1.1	B1/500		G0/660
BVH (80°-90°)	58.0	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°	226518.5
1°	225632.1
2°	223398.6
3°	219595.2
4°	214053.6
5°	206337.9
6°	195566.6
7°	180823.6
8°	162128.6
9°	140081.0
10°	117721.3
11°	93702.6
12°	71407.3
13°	52766.8
14°	39489.7
15°	30927.2
17.5°	20730.4
20°	14985.7
22.5°	9879.9
25°	5799.2
27.5°	3253.7
30°	1817.5
32.5°	1327.2
35°	1124.2
37.5°	990.5
40°	871.6
42.5°	782.5
45°	703.2
47.5°	648.8
50°	604.2
52.5°	579.4
55°	564.6
57.5°	554.7
60°	539.8
62.5°	510.1
65°	475.4
67.5°	435.8
70°	386.3
72.5°	331.8
75°	282.3
77.5°	237.7
80°	198.1
82.5°	158.5
85°	118.9
87.5°	49.5



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)