

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: P525759

Luminaire Tested: **IFLD-S-SA6B-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525759  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-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**

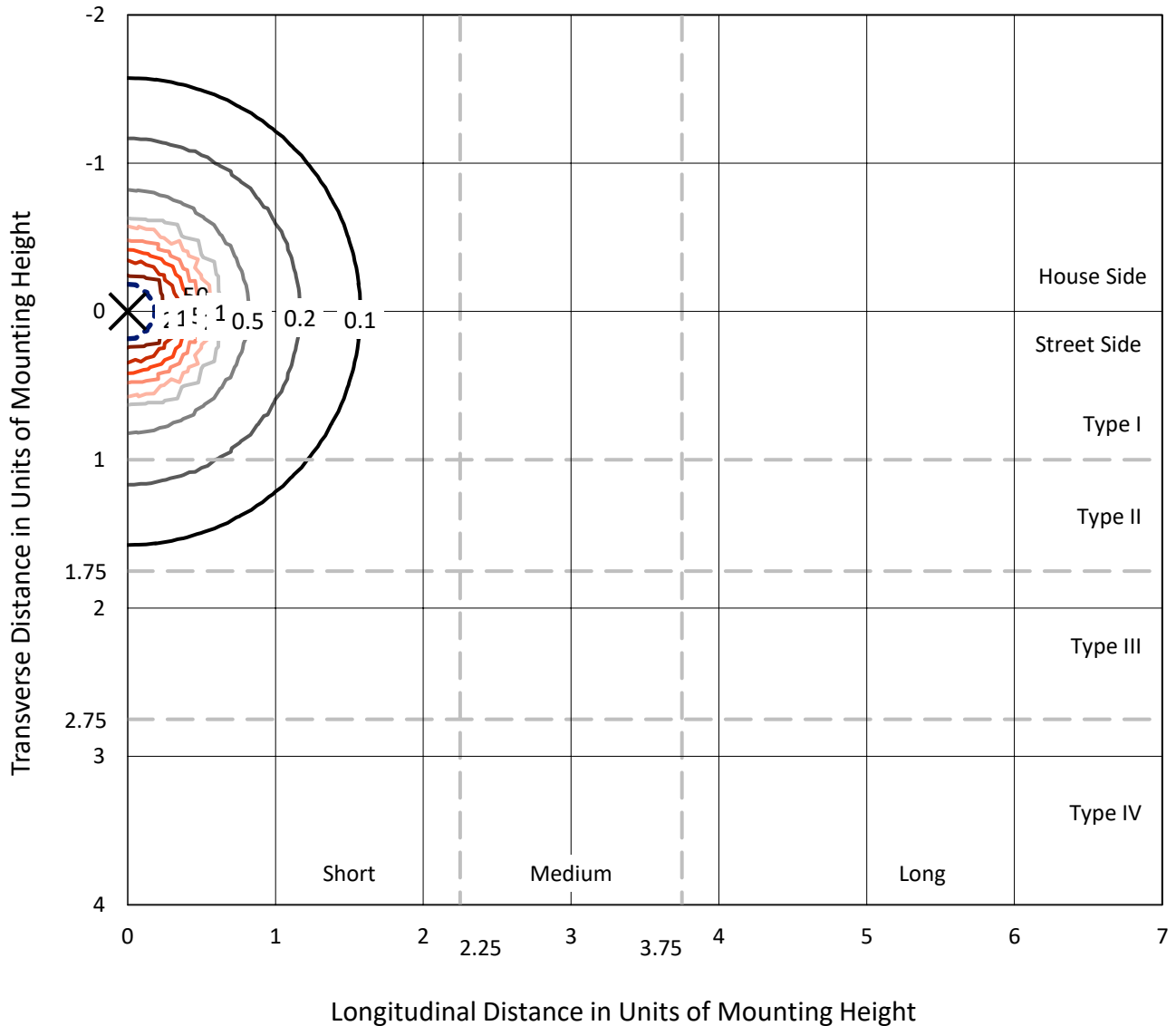
Lumens per Lamp: N/A  
Luminaire Lumens: 24552.6 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9  
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

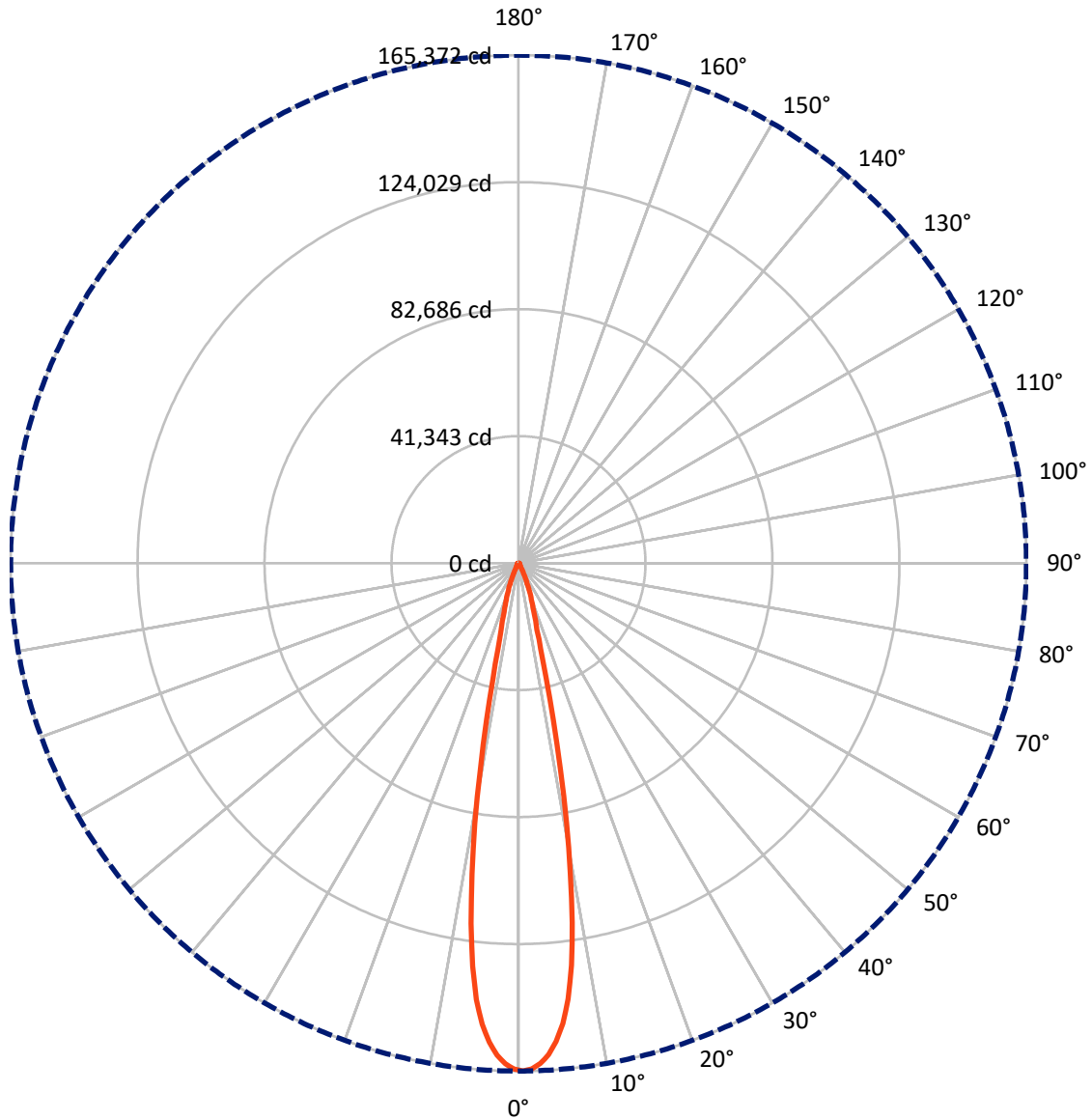
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 264.6 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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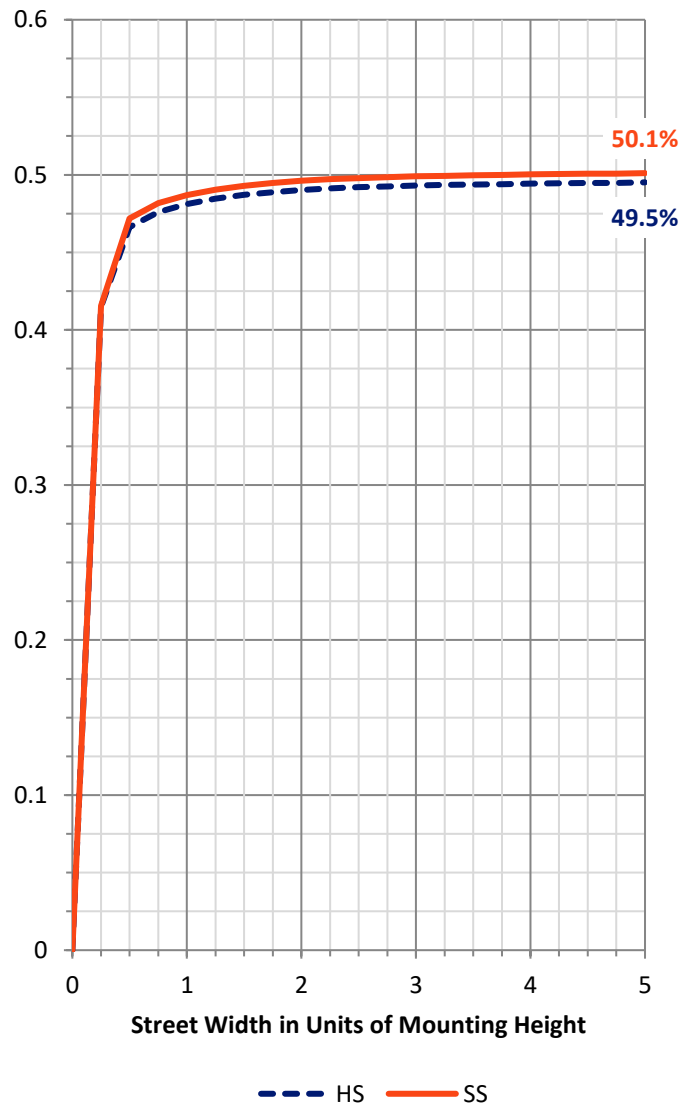
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12276.3	0.0	12276.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12276.3	0.0	12276.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24552.6	0.0	24552.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12312.8	50.1
10°-20°	8099.0	33.0
20°-30°	2178.5	8.9
30°-40°	541.3	2.2
40°-50°	403.9	1.6
50°-60°	371.4	1.5
60°-70°	340.7	1.4
70°-80°	220.3	0.9
80°-90°	84.6	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°	24552.6	100.0
0°-180°	24552.6	100.0

**Coefficient of Utilization**



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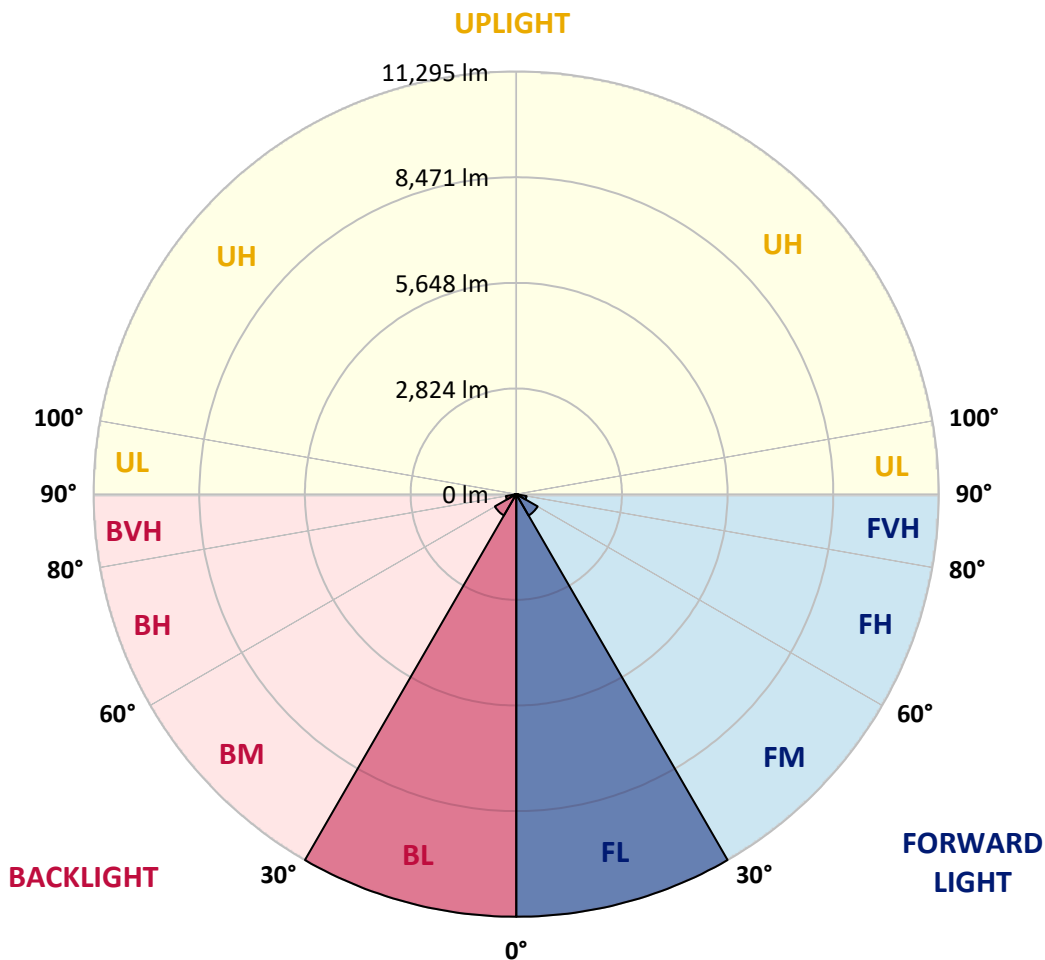
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11295.1	46.0			
FM (30°-60°)	658.3	2.7			
FH (60°-80°)	280.5	1.1			G0/660
FVH (80°-90°)	42.3	0.2			G1/100
BL (0°-30°)	11295.1	46.0	B5		
BM (30°-60°)	658.3	2.7	B1/1000		
BH (60°-80°)	280.5	1.1	B1/500		G0/660
BVH (80°-90°)	42.3	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°	165372.1
1°	164724.9
2°	163094.3
3°	160317.6
4°	156271.9
5°	150639.0
6°	142775.3
7°	132012.0
8°	118363.6
9°	102267.5
10°	85943.6
11°	68408.5
12°	52131.6
13°	38522.9
14°	28829.8
15°	22578.7
17.5°	15134.4
20°	10940.4
22.5°	7212.9
25°	4233.7
27.5°	2375.4
30°	1326.9
32.5°	968.9
35°	820.7
37.5°	723.1
40°	636.3
42.5°	571.2
45°	513.4
47.5°	473.6
50°	441.1
52.5°	423.0
55°	412.2
57.5°	404.9
60°	394.1
62.5°	372.4
65°	347.1
67.5°	318.2
70°	282.0
72.5°	242.2
75°	206.1
77.5°	173.5
80°	144.6
82.5°	115.7
85°	86.8
87.5°	36.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)