

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: P525740

Luminaire Tested: **IFLD-S-SA2C-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525740  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-940-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens  
Light Source: (32) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

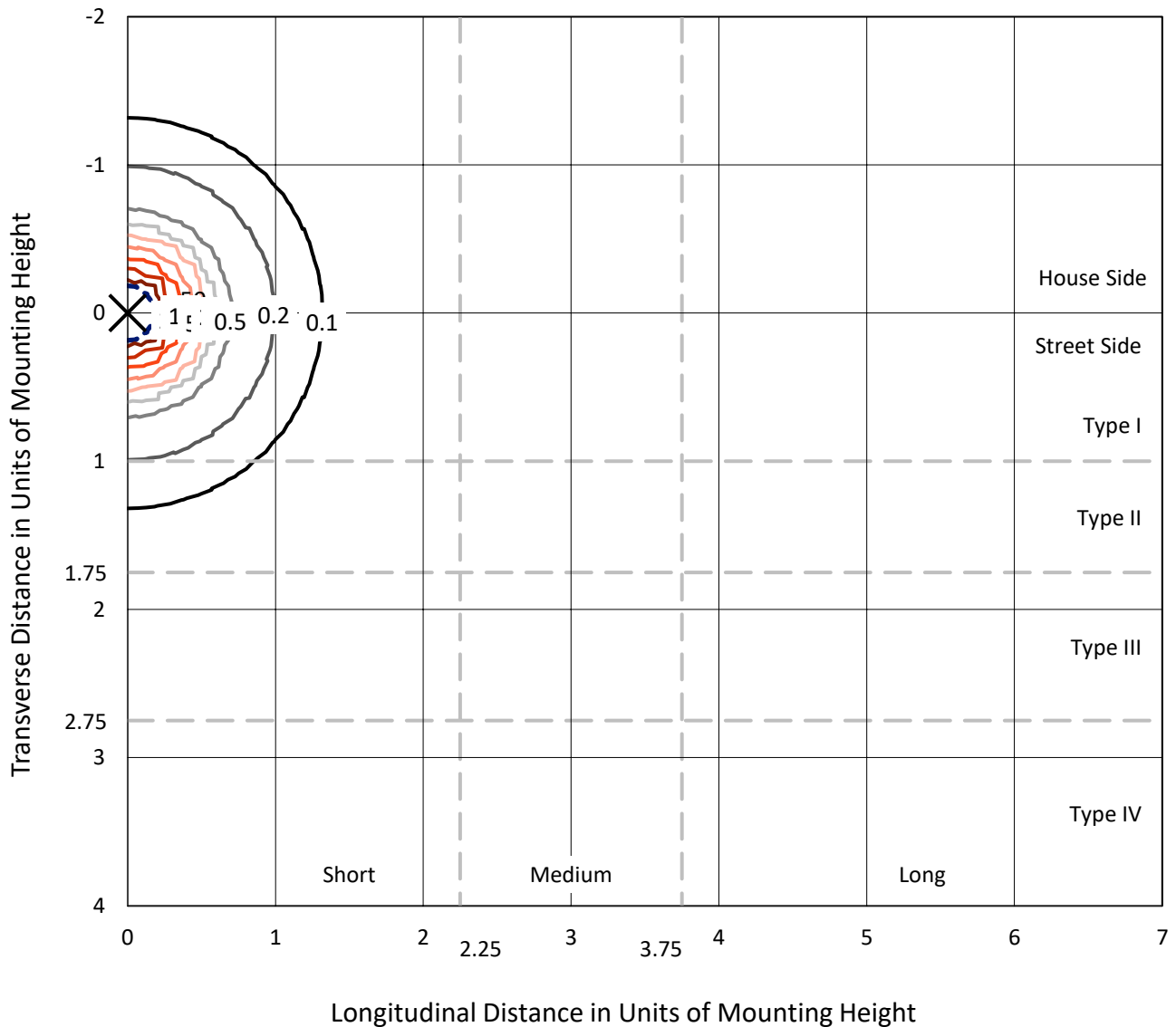
Lumens per Lamp: N/A  
Luminaire Lumens: 10454.8 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2  
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

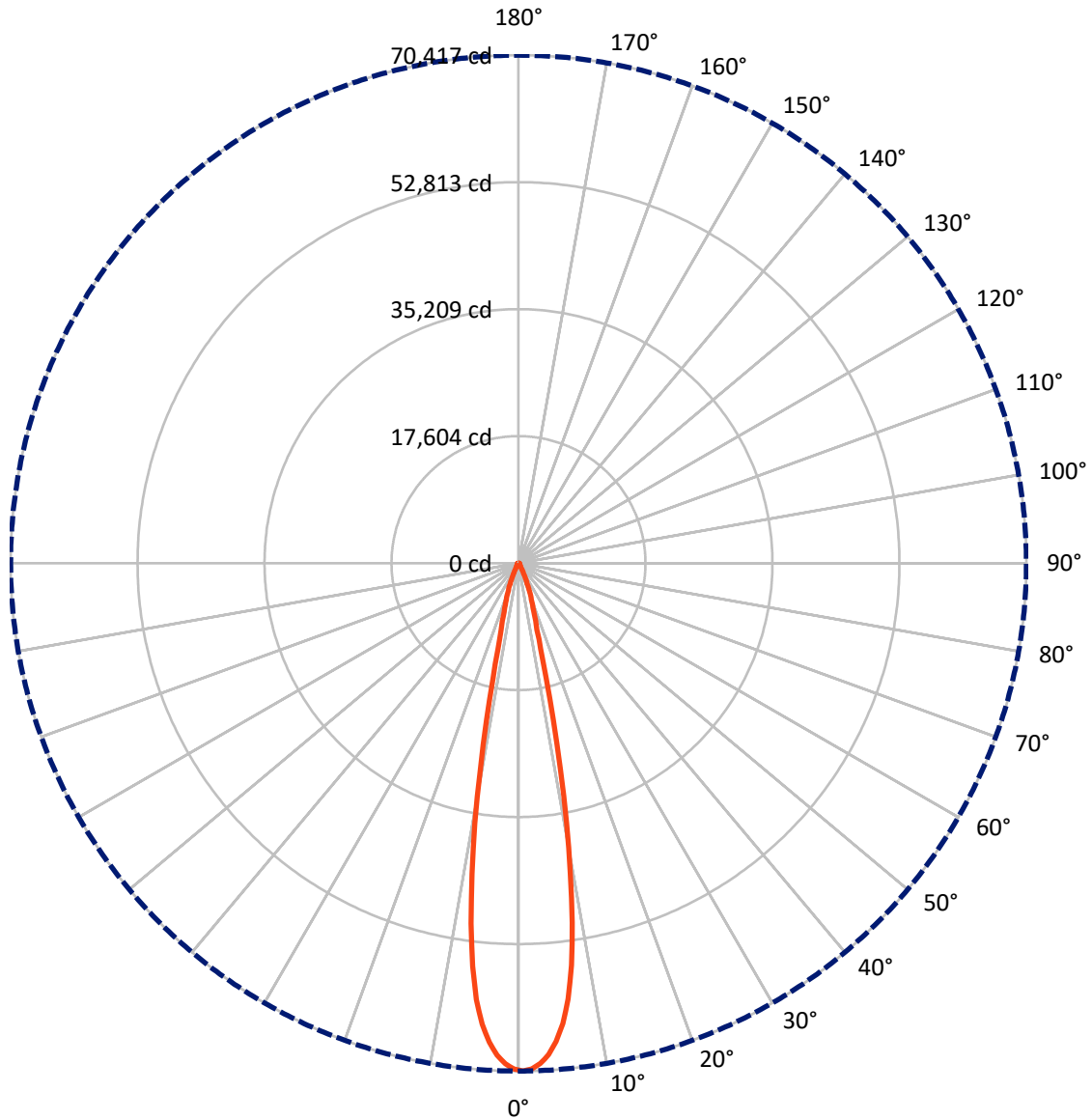
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 176 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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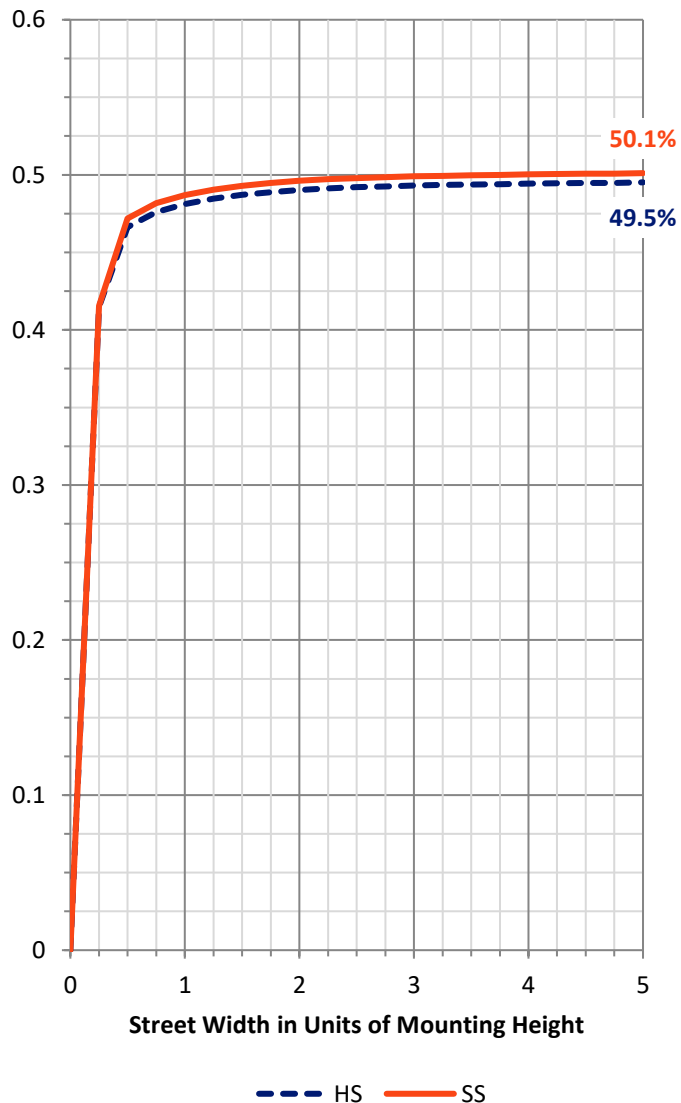
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5227.4	0.0	5227.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5227.4	0.0	5227.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10454.8	0.0	10454.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5242.9	50.1
10°-20°	3448.6	33.0
20°-30°	927.6	8.9
30°-40°	230.5	2.2
40°-50°	172.0	1.6
50°-60°	158.1	1.5
60°-70°	145.1	1.4
70°-80°	93.8	0.9
80°-90°	36.0	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°	10454.8	100.0
0°-180°	10454.8	100.0

**Coefficient of Utilization**



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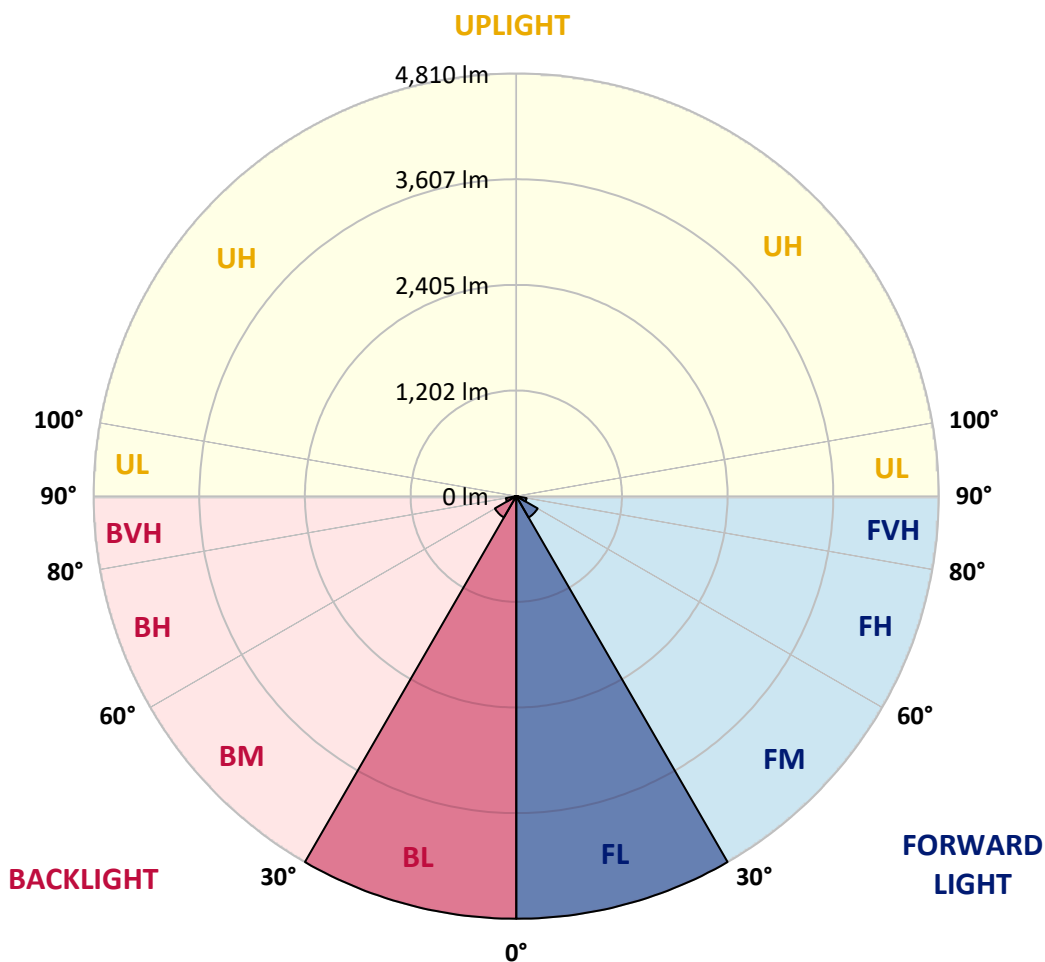
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4809.6	46.0			
FM (30°-60°)	280.3	2.7			
FH (60°-80°)	119.5	1.1			G0/660
FVH (80°-90°)	18.0	0.2			G1/100
BL (0°-30°)	4809.6	46.0	B4/5000		
BM (30°-60°)	280.3	2.7	B1/1000		
BH (60°-80°)	119.5	1.1	B1/500		G0/660
BVH (80°-90°)	18.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	70417.1
1°	70141.5
2°	69447.2
3°	68264.9
4°	66542.1
5°	64143.6
6°	60795.2
7°	56212.1
8°	50400.4
9°	43546.5
10°	36595.6
11°	29129.0
12°	22198.2
13°	16403.5
14°	12276.0
15°	9614.2
17.5°	6444.4
20°	4658.6
22.5°	3071.3
25°	1802.8
27.5°	1011.5
30°	565.0
32.5°	412.6
35°	349.5
37.5°	307.9
40°	271.0
42.5°	243.2
45°	218.6
47.5°	201.7
50°	187.8
52.5°	180.1
55°	175.5
57.5°	172.4
60°	167.8
62.5°	158.6
65°	147.8
67.5°	135.5
70°	120.1
72.5°	103.1
75°	87.8
77.5°	73.9
80°	61.6
82.5°	49.3
85°	36.9
87.5°	15.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)