

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: P525775

Luminaire Tested: **IFLD-L-SA8C-940-U-33**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525775  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-940-U-33  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33  
distribution lens  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

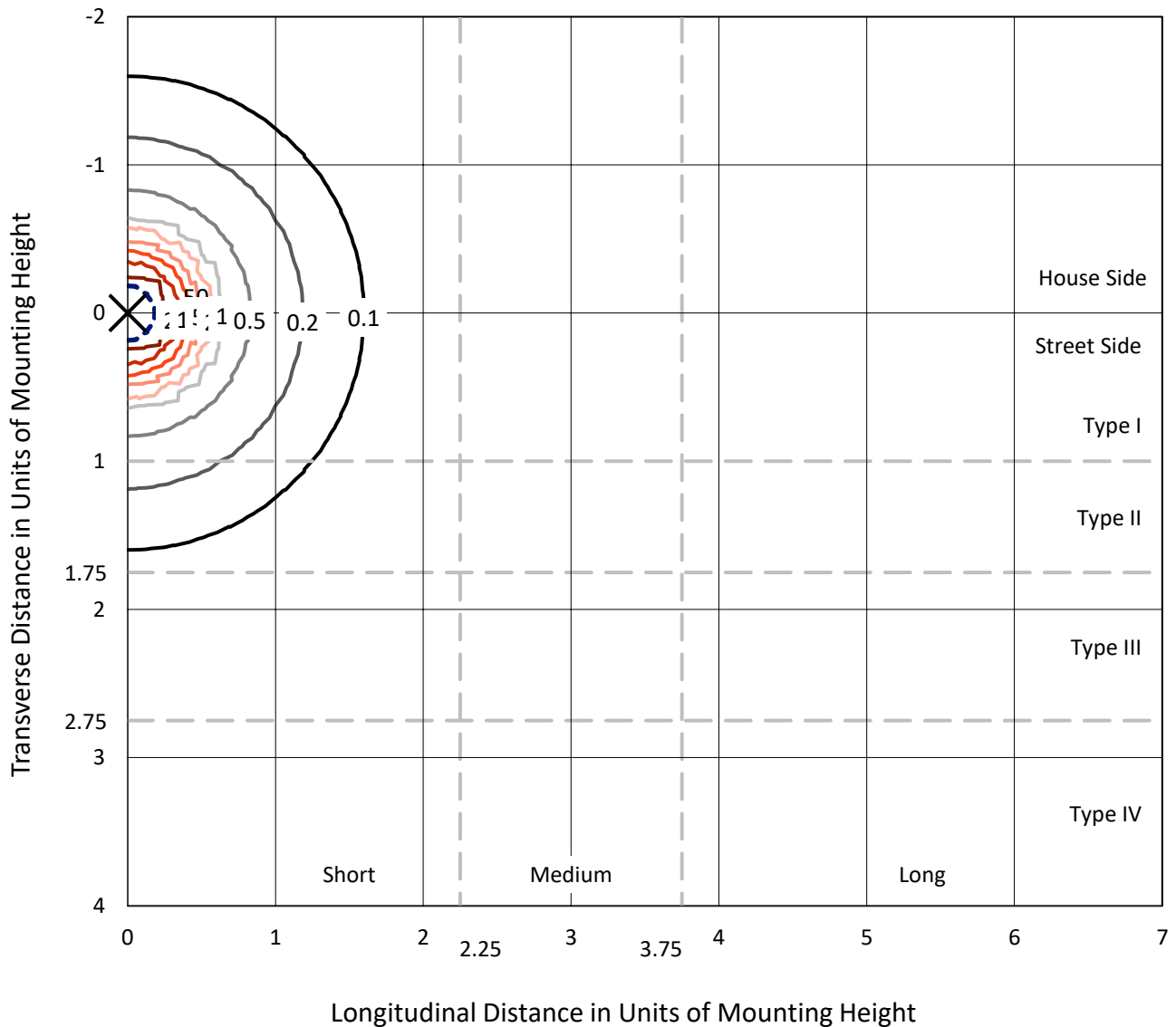
Lumens per Lamp: N/A  
Luminaire Lumens: 36658 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3  
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

REPORT NUMBER: P525775  
 CATALOG NUMBER: IFLD-L-SA8C-940-U-33

### Iso-Footcandle Lines of Horizontal Illumination

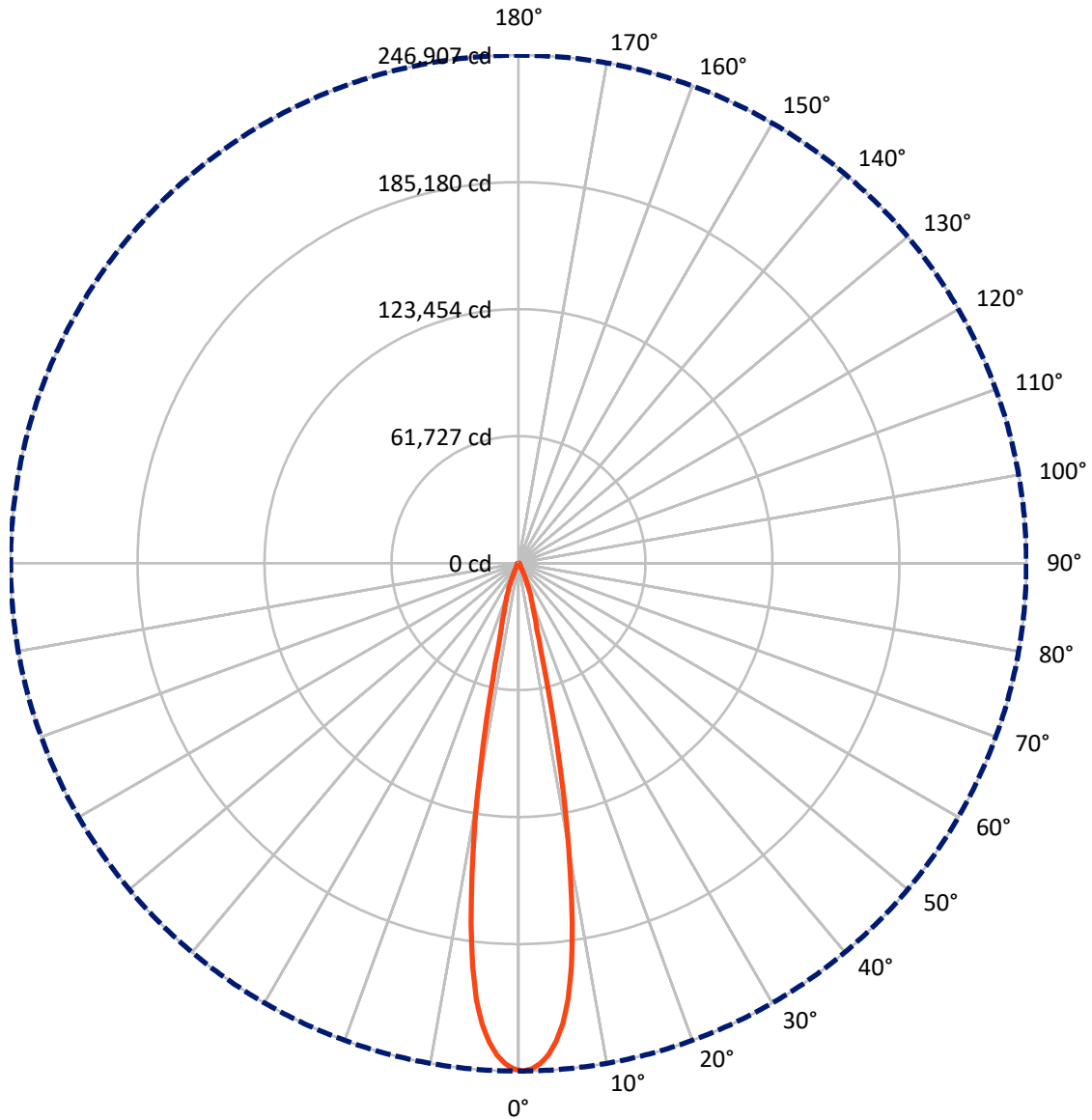
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 274.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P525775  
CATALOG NUMBER: IFLD-L-SA8C-940-U-33

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P525775  
 CATALOG NUMBER: IFLD-L-SA8C-940-U-33

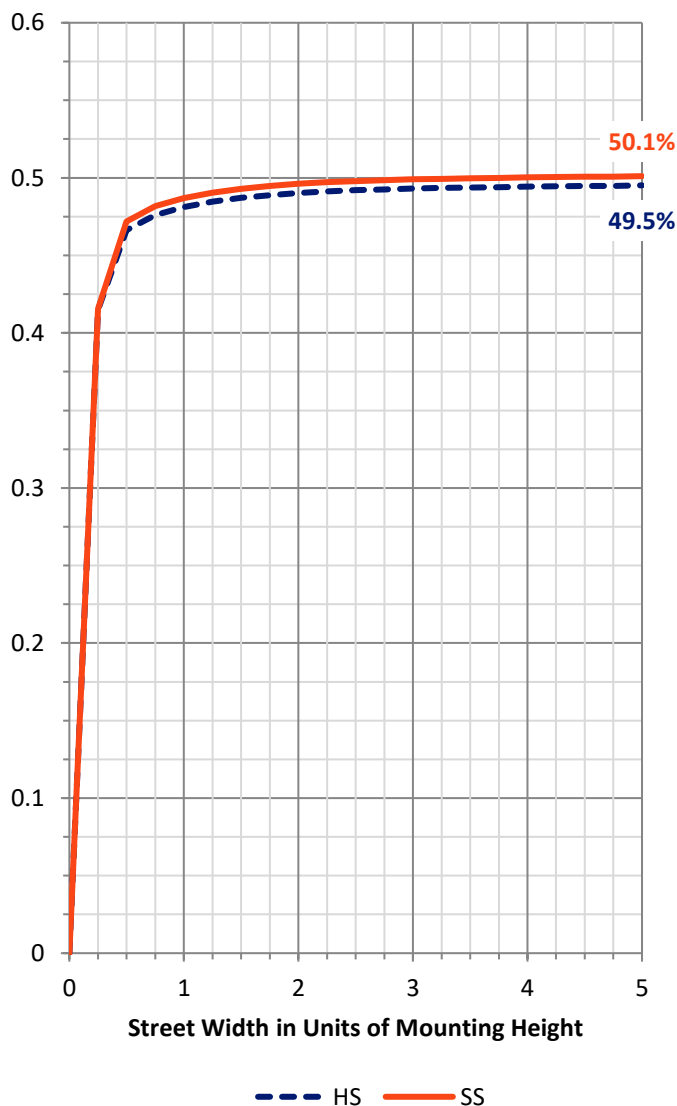
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18329.0	0.0	18329.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18329.0	0.0	18329.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36658.0	0.0	36658.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18383.5	50.1
10°-20°	12092.1	33.0
20°-30°	3252.5	8.9
30°-40°	808.2	2.2
40°-50°	603.1	1.6
50°-60°	554.6	1.5
60°-70°	508.6	1.4
70°-80°	329.0	0.9
80°-90°	126.3	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°	36658.0	100.0
0°-180°	36658.0	100.0

**Coefficient of Utilization**



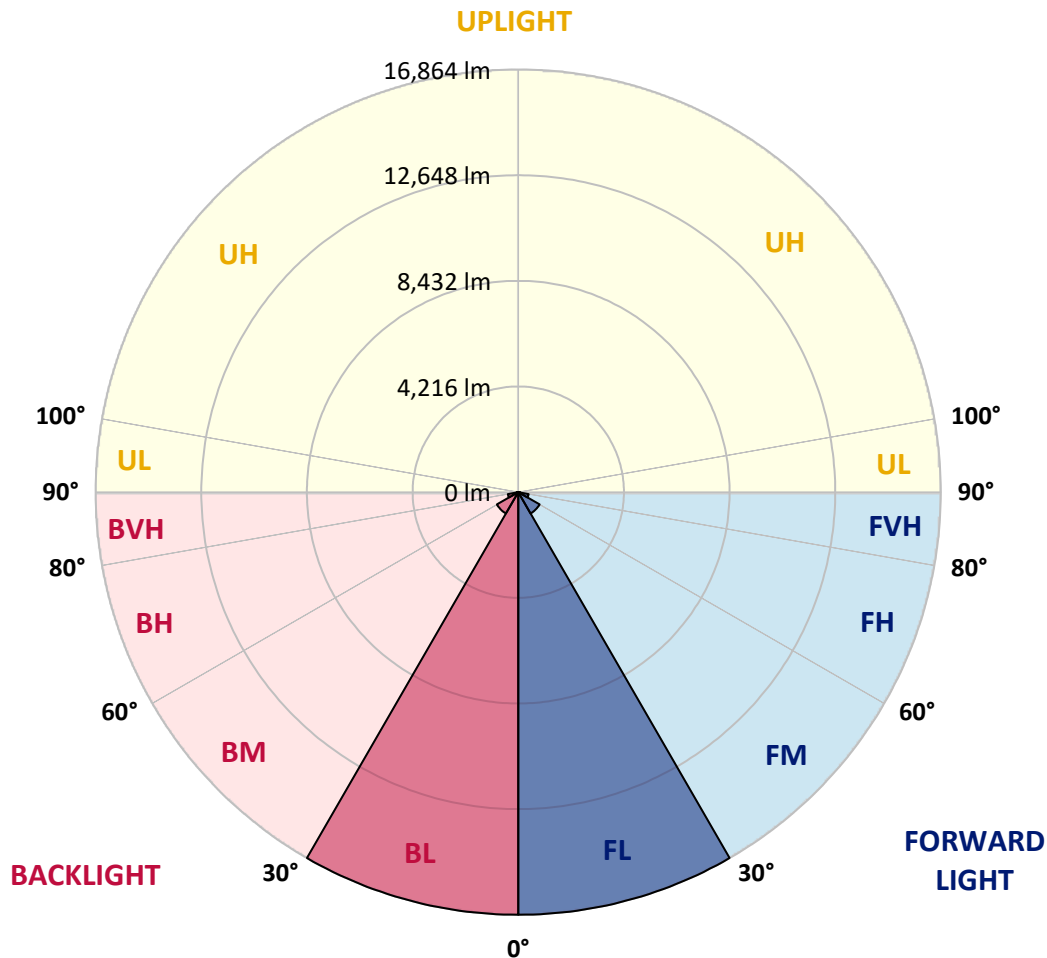
REPORT NUMBER: P525775  
 CATALOG NUMBER: IFLD-L-SA8C-940-U-33

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16864.1	46.0			
FM (30°-60°)	982.9	2.7			
FH (60°-80°)	418.8	1.1			G0/660
FVH (80°-90°)	63.2	0.2			G1/100
BL (0°-30°)	16864.1	46.0	B5		
BM (30°-60°)	982.9	2.7	B1/1000		
BH (60°-80°)	418.8	1.1	B1/500		G0/660
BVH (80°-90°)	63.2	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





REPORT NUMBER: P525775  
CATALOG NUMBER: IFLD-L-SA8C-940-U-33

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	246907.1
1°	245940.9
2°	243506.4
3°	239360.7
4°	233320.2
5°	224910.1
6°	213169.3
7°	197099.3
8°	176721.6
9°	152689.5
10°	128317.2
11°	102136.6
12°	77834.6
13°	57516.3
14°	43044.1
15°	33710.9
17.5°	22596.3
20°	16334.5
22.5°	10769.1
25°	6321.1
27.5°	3546.5
30°	1981.1
32.5°	1446.7
35°	1225.4
37.5°	1079.6
40°	950.1
42.5°	852.9
45°	766.5
47.5°	707.1
50°	658.6
52.5°	631.6
55°	615.4
57.5°	604.6
60°	588.4
62.5°	556.0
65°	518.2
67.5°	475.0
70°	421.0
72.5°	361.7
75°	307.7
77.5°	259.1
80°	215.9
82.5°	172.7
85°	129.6
87.5°	54.0



REPORT NUMBER: P525775  
CATALOG NUMBER: IFLD-L-SA8C-940-U-33

CANDELA DISTRIBUTION (continued):



(END OF REPORT)