

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: P525524

Luminaire Tested: **IFLD-S-SA6A-935-U-44**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525524  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-935-U-44  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens  
Light Source: (96) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18423.7 lumens  
Efficiency: N/A  
Efficacy: 97.2 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): 189.6  
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

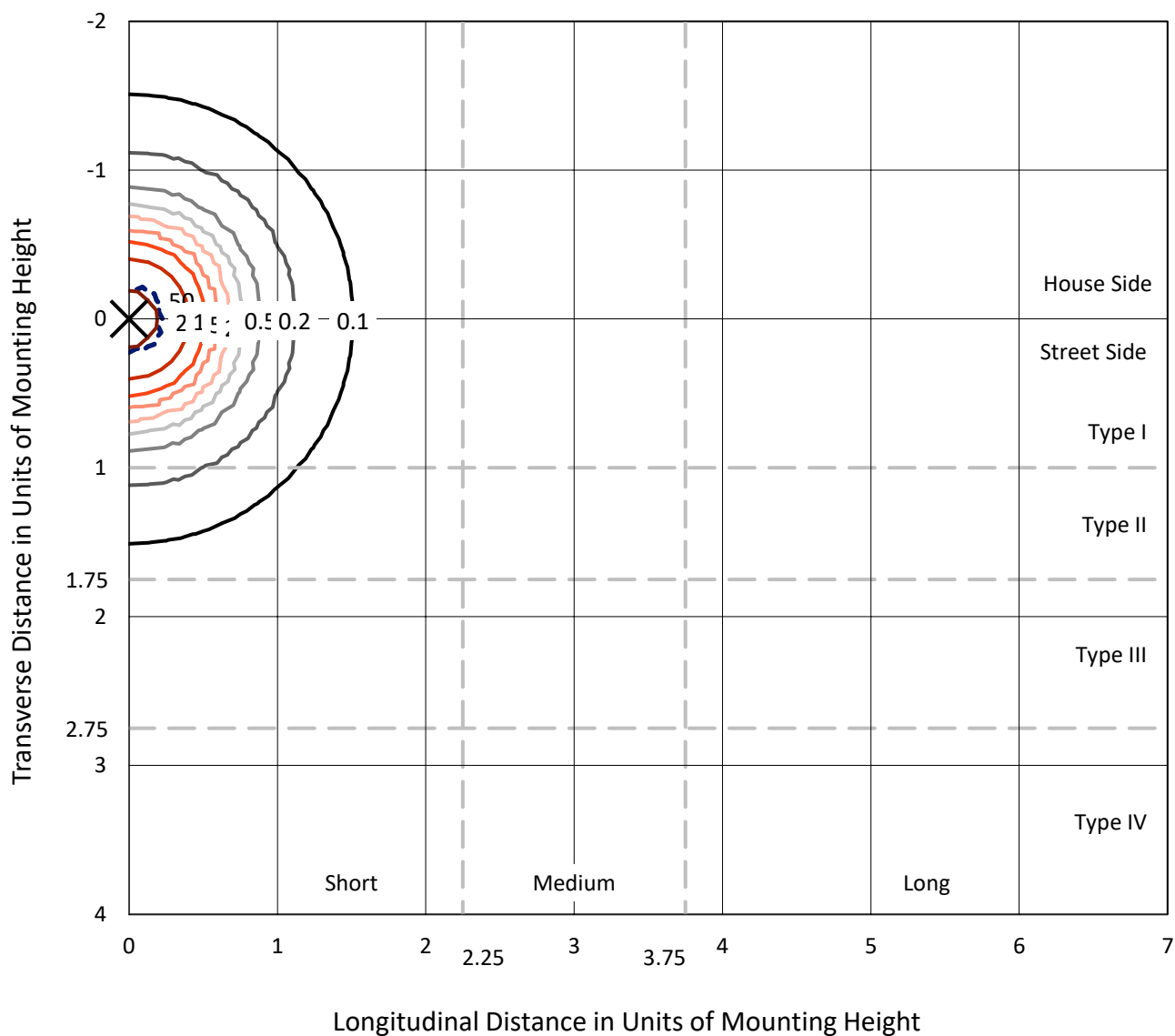
REPORT NUMBER: P525524

CATALOG NUMBER: IFLD-S-SA6A-935-U-44

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

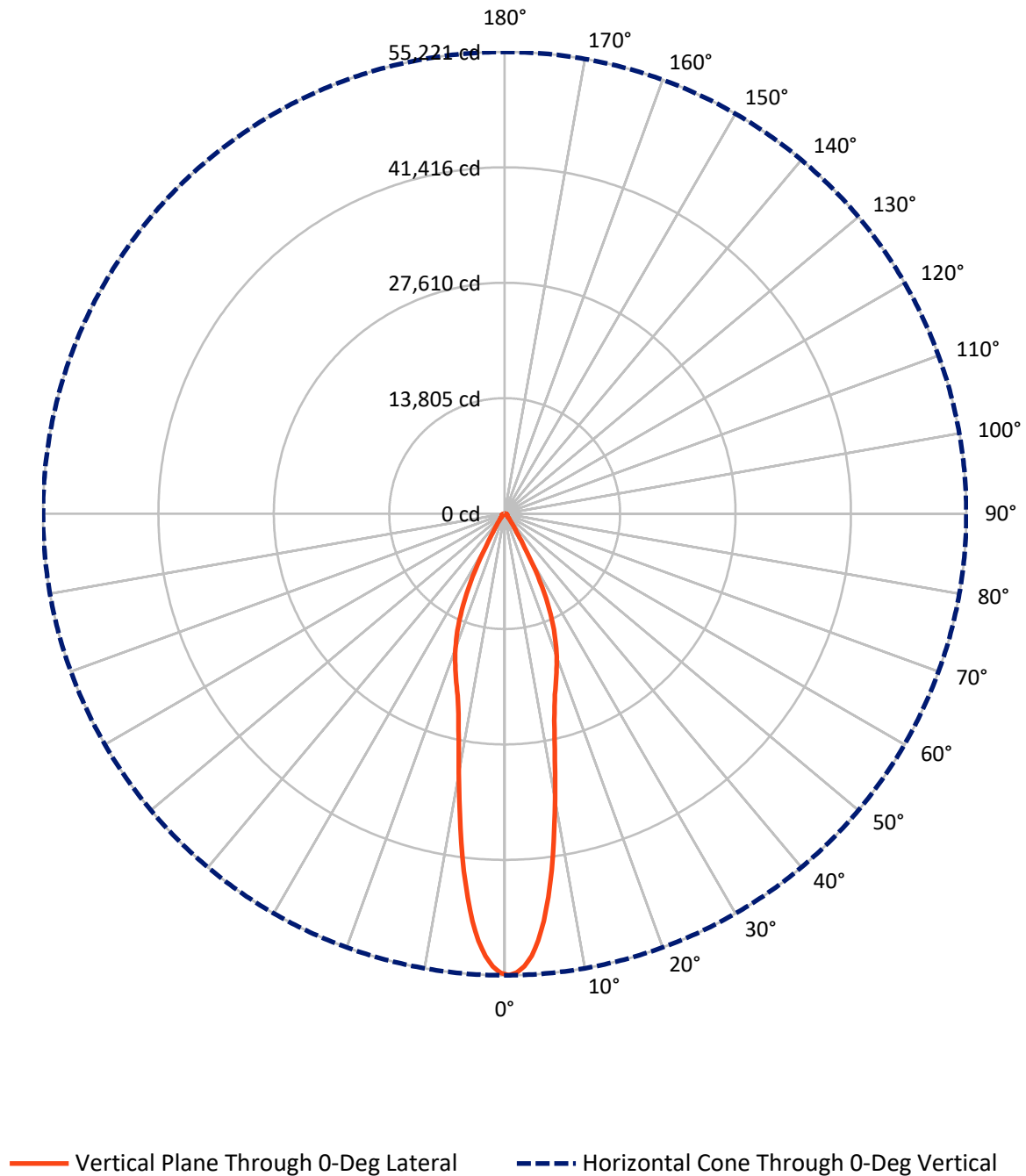


Based on 25 foot mounting height. Maximum calculated value = 88.4 fc

Type V - Short - N/A

REPORT NUMBER: P525524  
CATALOG NUMBER: IFLD-S-SA6A-935-U-44

## Luminous Intensity Polar Plot



REPORT NUMBER: P525524

CATALOG NUMBER: IFLD-S-SA6A-935-U-44

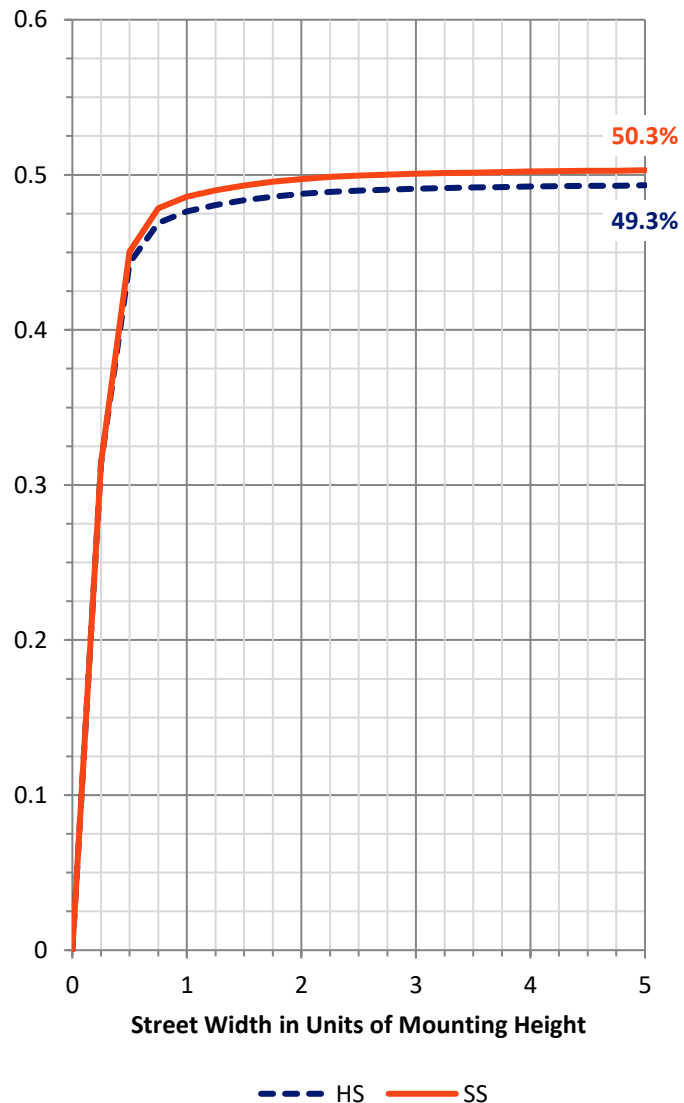
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9211.9   | 0.0    | 9211.9  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9211.9   | 0.0    | 9211.9  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 18423.7  | 0.0    | 18423.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 4133.7  | 22.4      |
| 10°-20°   | 6446.7  | 35.0      |
| 20°-30°   | 5224.0  | 28.4      |
| 30°-40°   | 1267.8  | 6.9       |
| 40°-50°   | 426.7   | 2.3       |
| 50°-60°   | 337.2   | 1.8       |
| 60°-70°   | 336.3   | 1.8       |
| 70°-80°   | 185.6   | 1.0       |
| 80°-90°   | 65.8    | 0.4       |
| 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°    | 18423.7 | 100.0     |
| 0°-180°   | 18423.7 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P525524

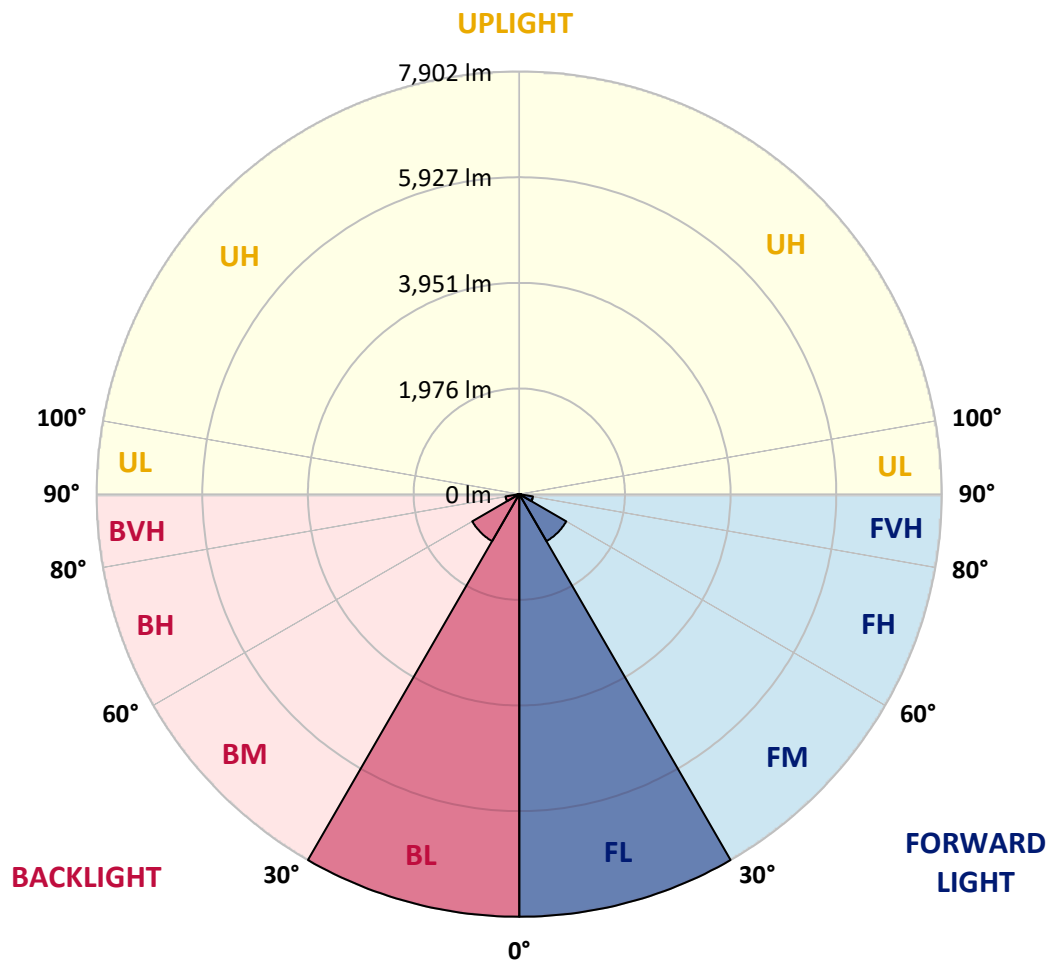
CATALOG NUMBER: IFLD-S-SA6A-935-U-44

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 7902.2 | 42.9      |                         |      |        |
| FM   | (30°-60°)   | 1015.9 | 5.5       |                         |      |        |
| FH   | (60°-80°)   | 260.9  | 1.4       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 32.9   | 0.2       |                         |      | G1/100 |
| BL   | (0°-30°)    | 7902.2 | 42.9      | B5                      |      |        |
| BM   | (30°-60°)   | 1015.9 | 5.5       | B2/2500                 |      |        |
| BH   | (60°-80°)   | 260.9  | 1.4       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 32.9   | 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: P525524

CATALOG NUMBER: IFLD-S-SA6A-935-U-44

**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 55220.8 |
| 1°    | 54933.3 |
| 2°    | 54194.6 |
| 3°    | 52969.6 |
| 4°    | 51210.0 |
| 5°    | 48940.1 |
| 6°    | 46159.7 |
| 7°    | 43051.6 |
| 8°    | 39677.5 |
| 9°    | 36281.9 |
| 10°   | 33034.1 |
| 11°   | 30111.4 |
| 12°   | 27551.3 |
| 13°   | 25447.9 |
| 14°   | 23771.6 |
| 15°   | 22452.6 |
| 17.5° | 20010.7 |
| 20°   | 17738.0 |
| 22.5° | 15075.8 |
| 25°   | 11983.8 |
| 27.5° | 8459.3  |
| 30°   | 4596.4  |
| 32.5° | 2643.4  |
| 35°   | 1764.9  |
| 37.5° | 1203.5  |
| 40°   | 856.9   |
| 42.5° | 663.5   |
| 45°   | 518.5   |
| 47.5° | 424.4   |
| 50°   | 389.5   |
| 52.5° | 370.7   |
| 55°   | 362.7   |
| 57.5° | 376.1   |
| 60°   | 397.6   |
| 62.5° | 389.5   |
| 65°   | 346.5   |
| 67.5° | 298.2   |
| 70°   | 252.5   |
| 72.5° | 209.5   |
| 75°   | 171.9   |
| 77.5° | 139.7   |
| 80°   | 112.8   |
| 82.5° | 91.3    |
| 85°   | 69.8    |
| 87.5° | 24.2    |

REPORT NUMBER: P525524  
CATALOG NUMBER: IFLD-S-SA6A-935-U-44

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)