

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: P525894

Luminaire Tested: **IFLD-S-SA2A-935-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525894  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-935-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (32) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

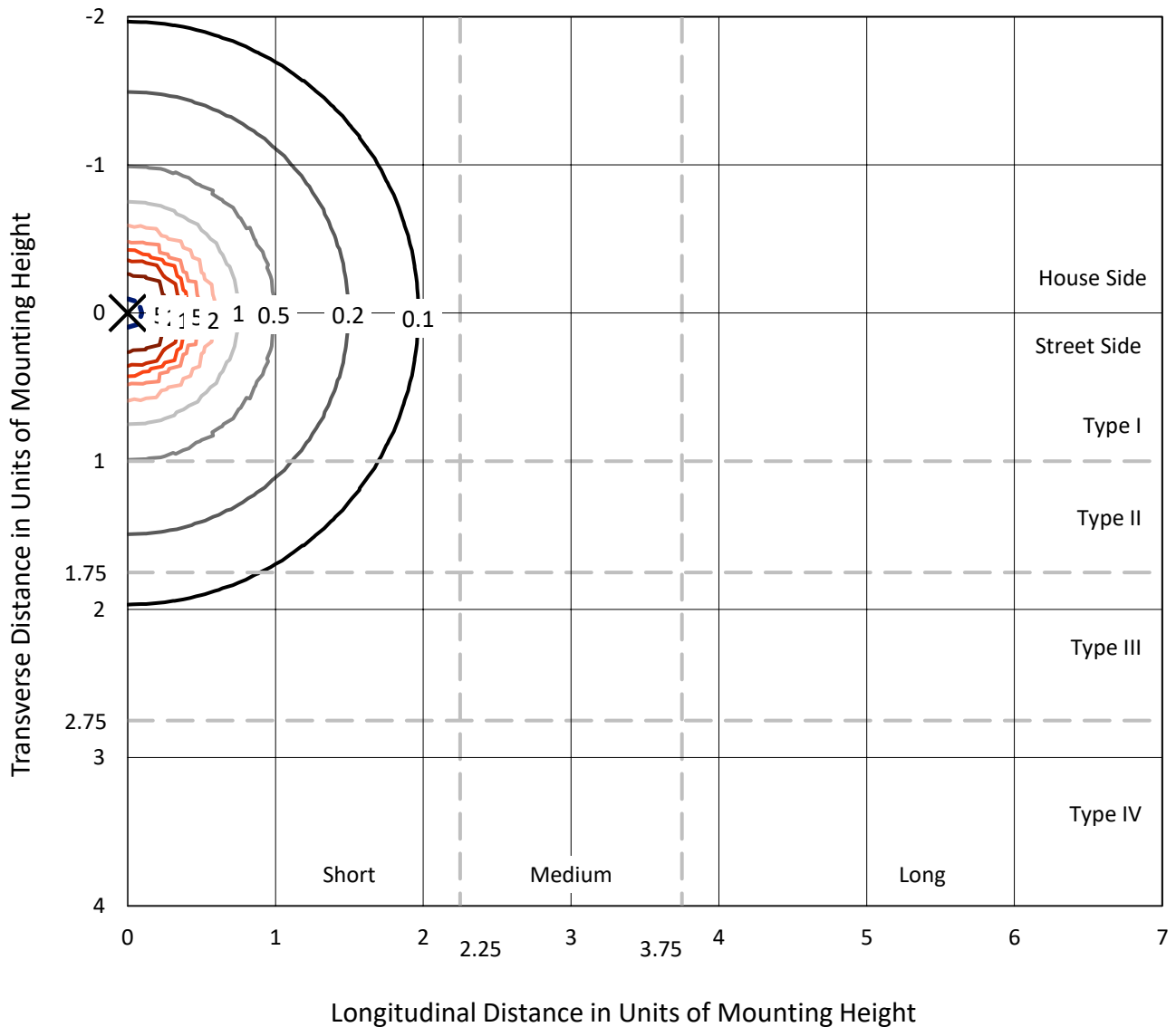
Lumens per Lamp: N/A  
Luminaire Lumens: 6263.3 lumens  
Efficiency: N/A  
Efficacy: 98.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 63.8  
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

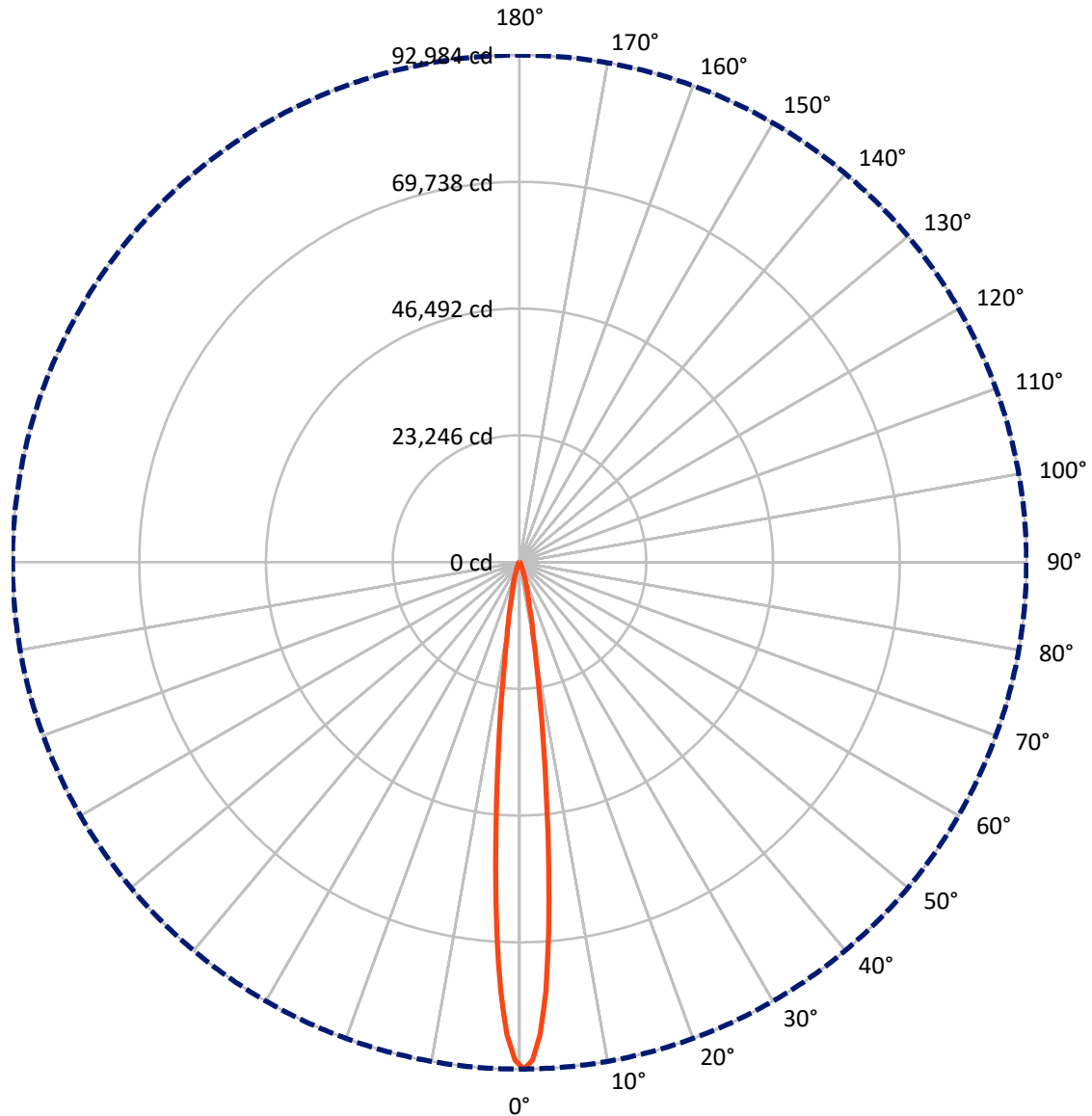
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 929.8 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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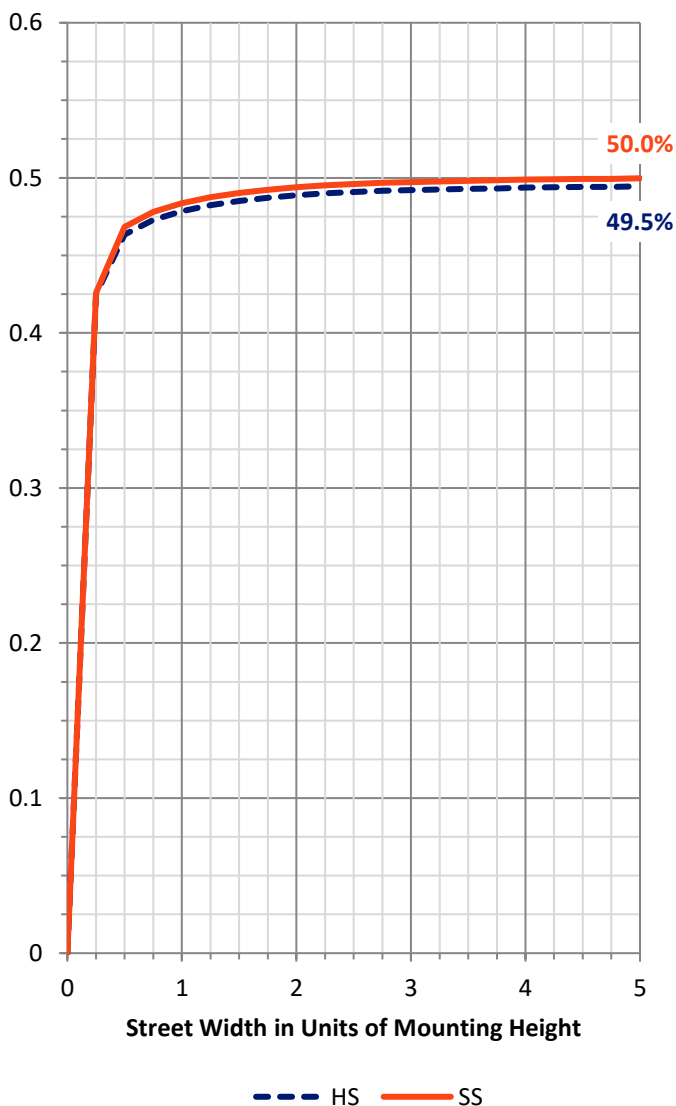
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3131.7   | 0.0    | 3131.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3131.7   | 0.0    | 3131.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6263.3   | 0.0    | 6263.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3843.0 | 61.4      |
| 10°-20°   | 1529.2 | 24.4      |
| 20°-30°   | 352.6  | 5.6       |
| 30°-40°   | 133.9  | 2.1       |
| 40°-50°   | 109.3  | 1.7       |
| 50°-60°   | 104.9  | 1.7       |
| 60°-70°   | 100.5  | 1.6       |
| 70°-80°   | 66.6   | 1.1       |
| 80°-90°   | 23.4   | 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°    | 6263.3 | 100.0     |
| 0°-180°   | 6263.3 | 100.0     |

**Coefficient of Utilization**



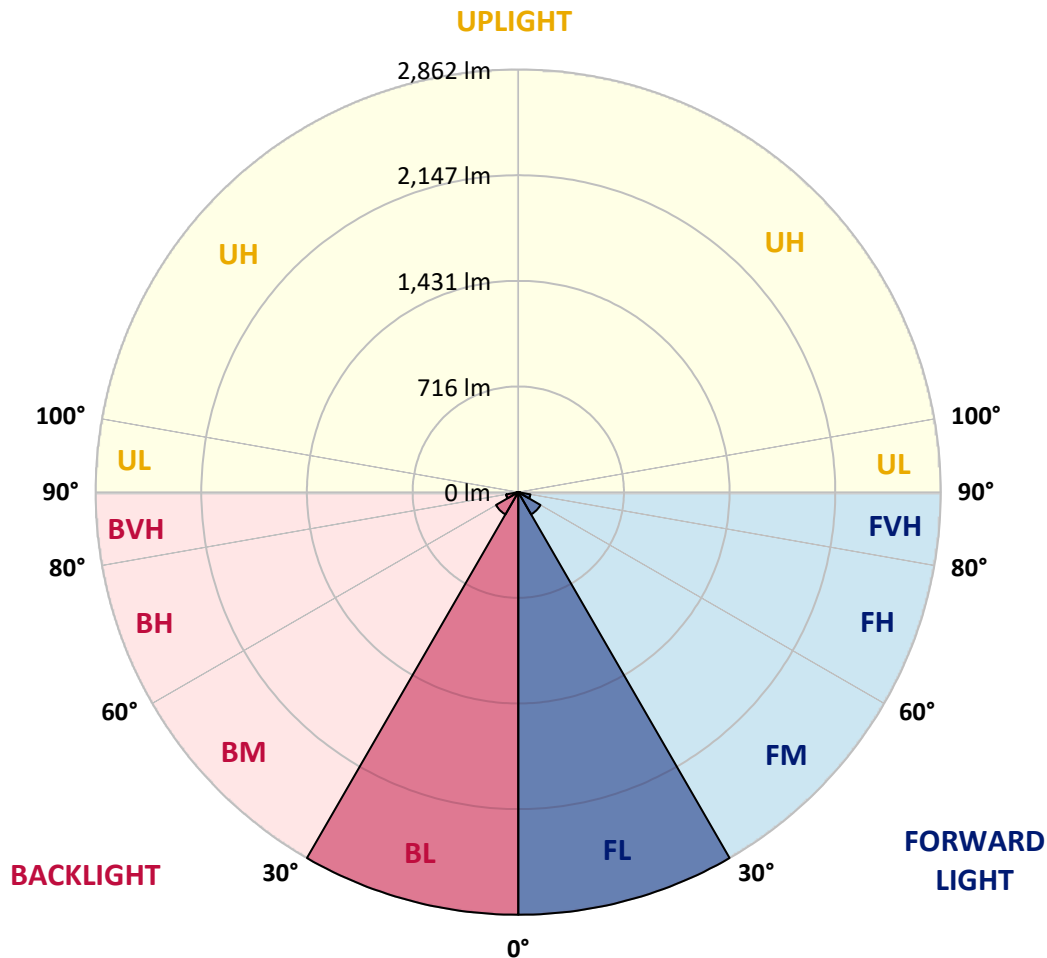
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 2862.4 | 45.7      |                         |      |        |
| FM (30°-60°)   | 174.0  | 2.8       |                         |      |        |
| FH (60°-80°)   | 83.5   | 1.3       |                         |      | G0/660 |
| FVH (80°-90°)  | 11.7   | 0.2       |                         |      | G1/100 |
| BL (0°-30°)    | 2862.4 | 45.7      | B4/5000                 |      |        |
| BM (30°-60°)   | 174.0  | 2.8       | B0/220                  |      |        |
| BH (60°-80°)   | 83.5   | 1.3       | B0/110                  |      | G0/660 |
| BVH (80°-90°)  | 11.7   | 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°    | 92984.1 |
| 1°    | 91348.4 |
| 2°    | 86766.5 |
| 3°    | 78896.6 |
| 4°    | 68075.9 |
| 5°    | 55875.0 |
| 6°    | 43927.7 |
| 7°    | 33651.1 |
| 8°    | 25115.9 |
| 9°    | 18725.5 |
| 10°   | 13964.4 |
| 12.5° | 7610.8  |
| 15°   | 4883.3  |
| 17.5° | 3295.4  |
| 20°   | 1959.2  |
| 22.5° | 1089.9  |
| 25°   | 623.0   |
| 27.5° | 395.1   |
| 30°   | 284.9   |
| 32.5° | 232.5   |
| 35°   | 206.8   |
| 37.5° | 192.1   |
| 40°   | 172.8   |
| 42.5° | 153.5   |
| 45°   | 136.9   |
| 47.5° | 128.7   |
| 50°   | 123.1   |
| 52.5° | 119.5   |
| 55°   | 116.7   |
| 57.5° | 114.9   |
| 60°   | 111.2   |
| 62.5° | 108.4   |
| 65°   | 102.9   |
| 67.5° | 95.6    |
| 70°   | 86.4    |
| 72.5° | 74.4    |
| 75°   | 62.5    |
| 77.5° | 51.5    |
| 80°   | 41.4    |
| 82.5° | 32.2    |
| 85°   | 23.9    |
| 87.5° | 9.2     |
| 90°   | 0.0     |

(END OF REPORT)