

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: P525940

Luminaire Tested: **IFLD-S-SA3C-940-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525940  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-940-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (48) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

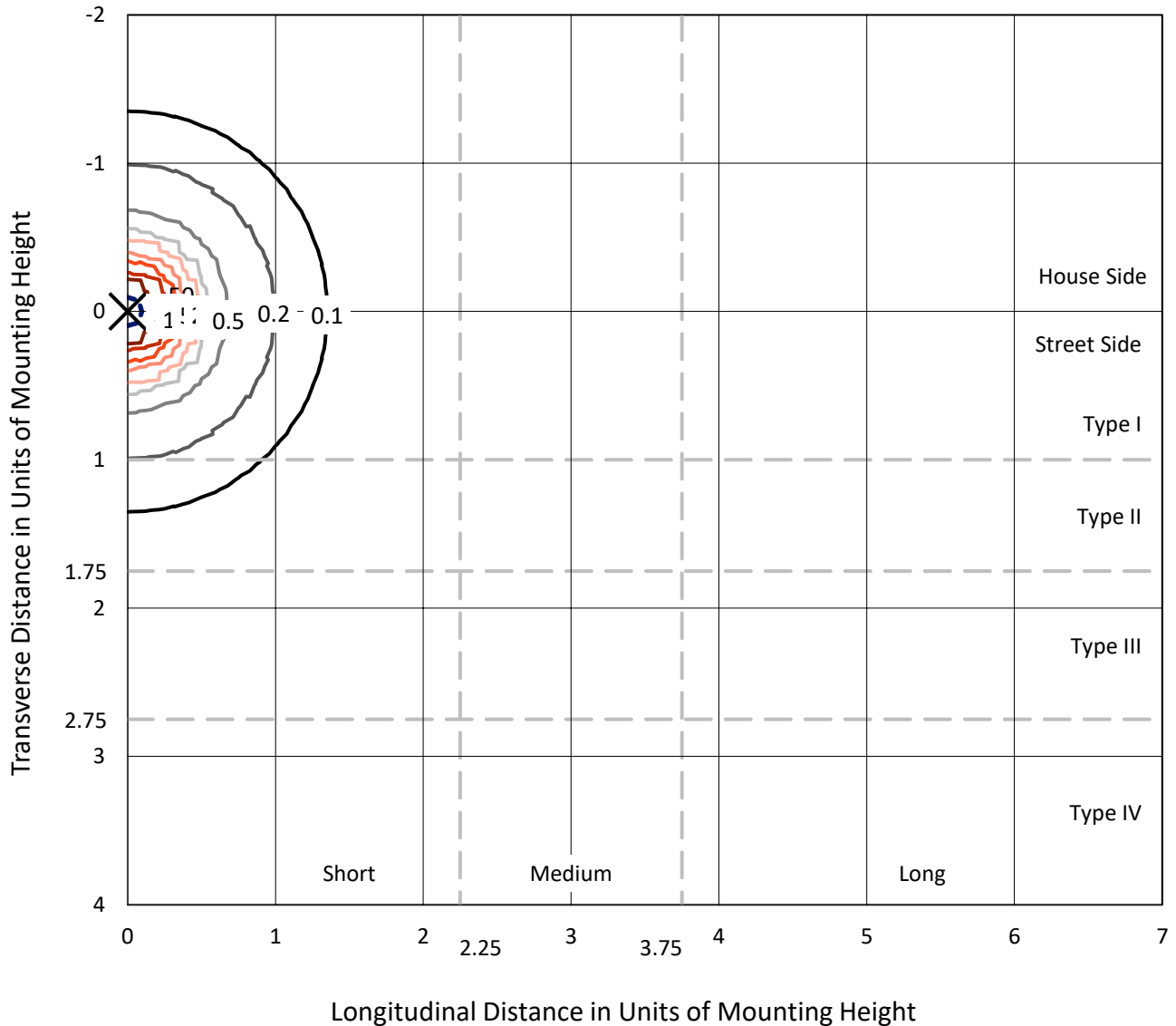
Lumens per Lamp: N/A  
Luminaire Lumens: 15638.4 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 160.8  
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

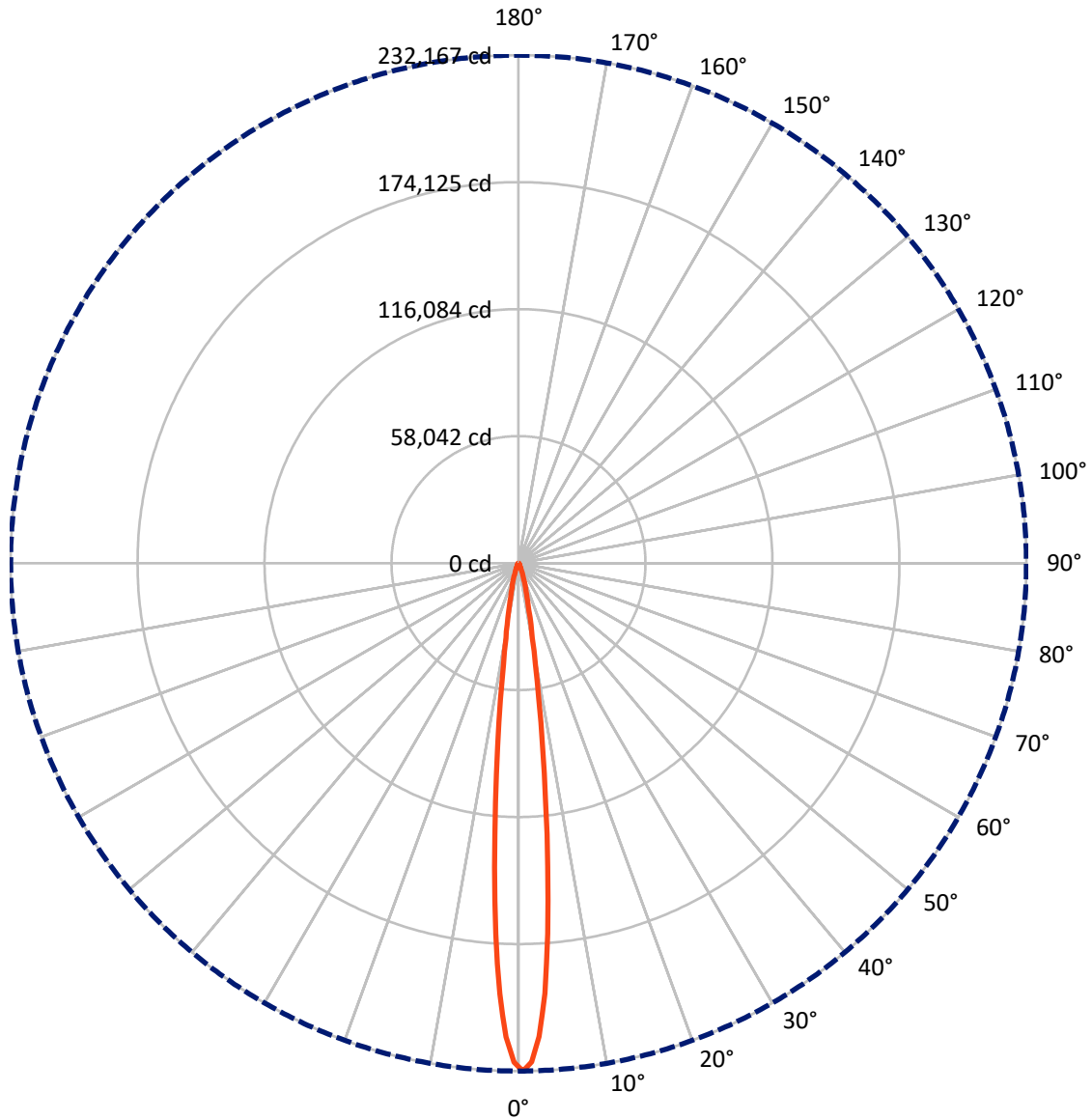
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 371.5 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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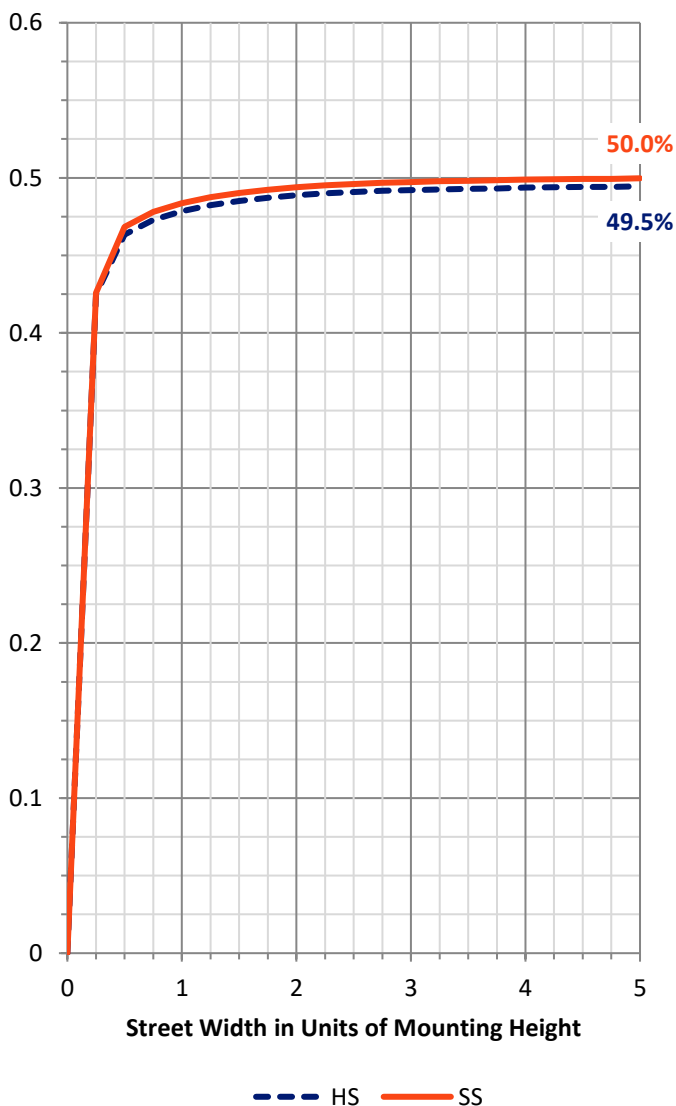
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7819.2   | 0.0    | 7819.2  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 7819.2   | 0.0    | 7819.2  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 15638.4  | 0.0    | 15638.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 9595.4  | 61.4      |
| 10°-20°   | 3818.1  | 24.4      |
| 20°-30°   | 880.4   | 5.6       |
| 30°-40°   | 334.2   | 2.1       |
| 40°-50°   | 272.8   | 1.7       |
| 50°-60°   | 262.0   | 1.7       |
| 60°-70°   | 251.0   | 1.6       |
| 70°-80°   | 166.2   | 1.1       |
| 80°-90°   | 58.4    | 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°    | 15638.4 | 100.0     |
| 0°-180°   | 15638.4 | 100.0     |



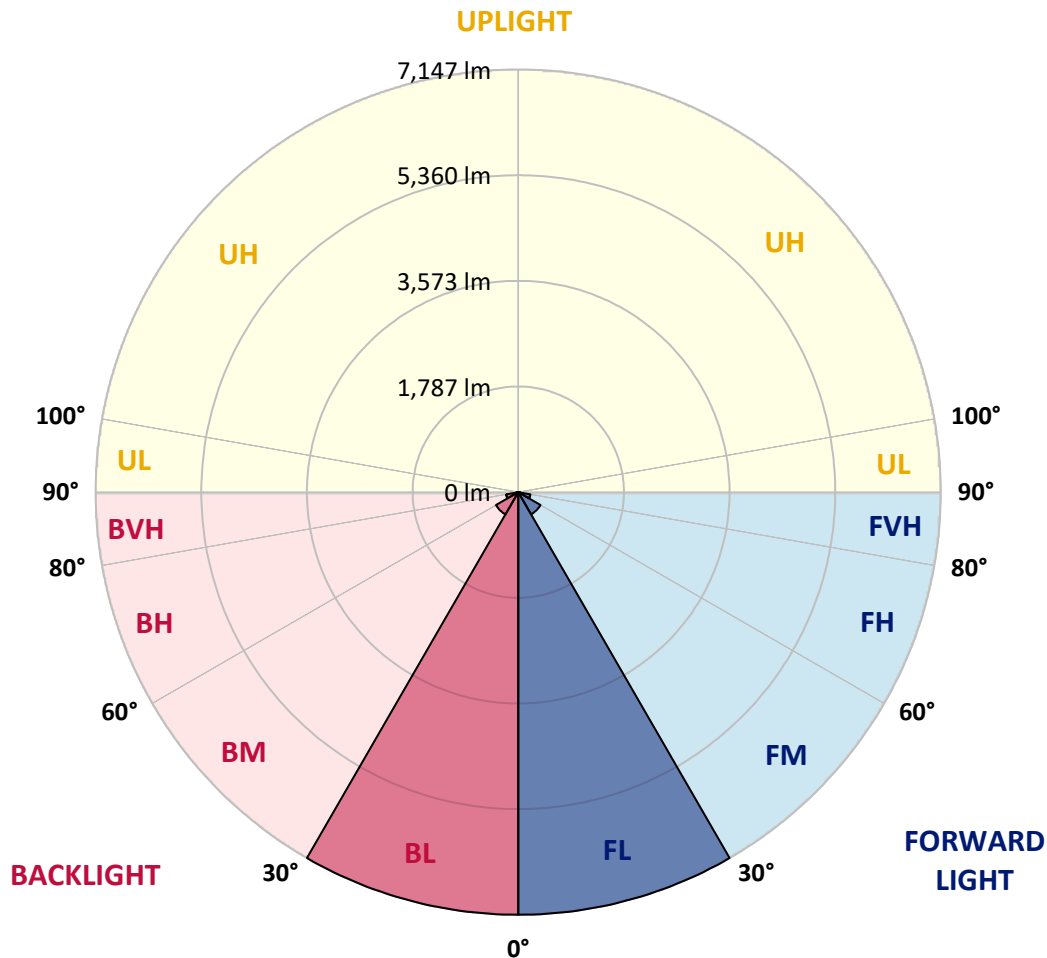
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 7146.9 | 45.7      |                         |      |        |
| FM (30°-60°)   | 434.5  | 2.8       |                         |      |        |
| FH (60°-80°)   | 208.6  | 1.3       |                         |      | G0/660 |
| FVH (80°-90°)  | 29.2   | 0.2       |                         |      | G1/100 |
| BL (0°-30°)    | 7146.9 | 45.7      | B5                      |      |        |
| BM (30°-60°)   | 434.5  | 2.8       | B1/1000                 |      |        |
| BH (60°-80°)   | 208.6  | 1.3       | B1/500                  |      | G0/660 |
| BVH (80°-90°)  | 29.2   | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°       |
|-------|----------|
| 0°    | 232167.2 |
| 1°    | 228083.0 |
| 2°    | 216642.7 |
| 3°    | 196992.8 |
| 4°    | 169975.2 |
| 5°    | 139511.4 |
| 6°    | 109680.8 |
| 7°    | 84021.6  |
| 8°    | 62710.5  |
| 9°    | 46754.7  |
| 10°   | 34867.0  |
| 12.5° | 19002.9  |
| 15°   | 12192.9  |
| 17.5° | 8228.0   |
| 20°   | 4891.8   |
| 22.5° | 2721.3   |
| 25°   | 1555.7   |
| 27.5° | 986.6    |
| 30°   | 711.3    |
| 32.5° | 580.5    |
| 35°   | 516.3    |
| 37.5° | 479.5    |
| 40°   | 431.4    |
| 42.5° | 383.2    |
| 45°   | 341.9    |
| 47.5° | 321.2    |
| 50°   | 307.5    |
| 52.5° | 298.3    |
| 55°   | 291.4    |
| 57.5° | 286.8    |
| 60°   | 277.6    |
| 62.5° | 270.7    |
| 65°   | 257.0    |
| 67.5° | 238.6    |
| 70°   | 215.7    |
| 72.5° | 185.9    |
| 75°   | 156.0    |
| 77.5° | 128.5    |
| 80°   | 103.3    |
| 82.5° | 80.3     |
| 85°   | 59.7     |
| 87.5° | 22.9     |
| 90°   | 0.0      |

(END OF REPORT)