

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: P525590

Luminaire Tested: **IFLD-S-SA3D-950-U-44**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525590  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-950-U-44  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44  
distribution lens  
Light Source: (48) 5000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17313.9 lumens  
Efficiency: N/A  
Efficacy: 94.0 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): 184.1  
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

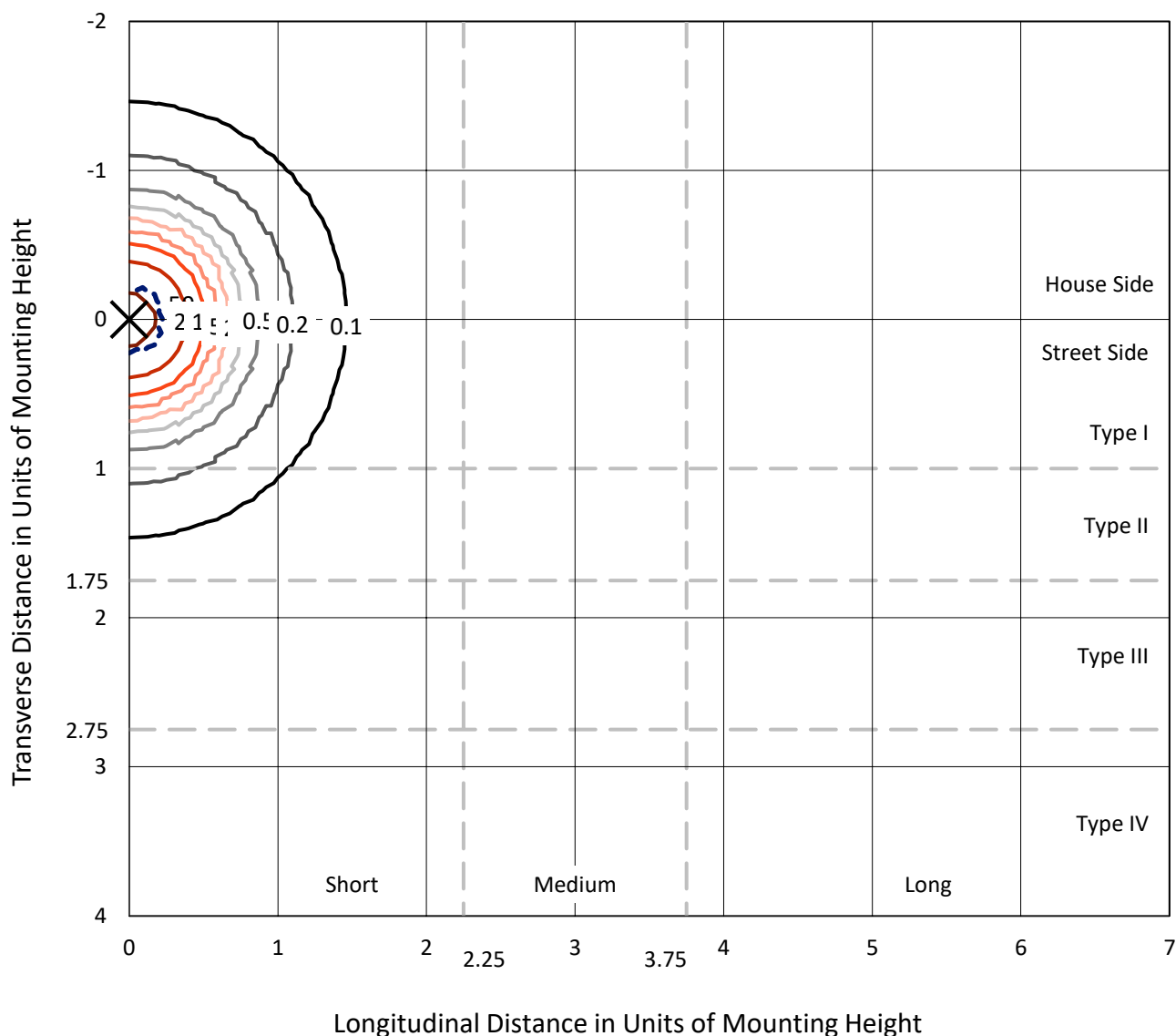
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

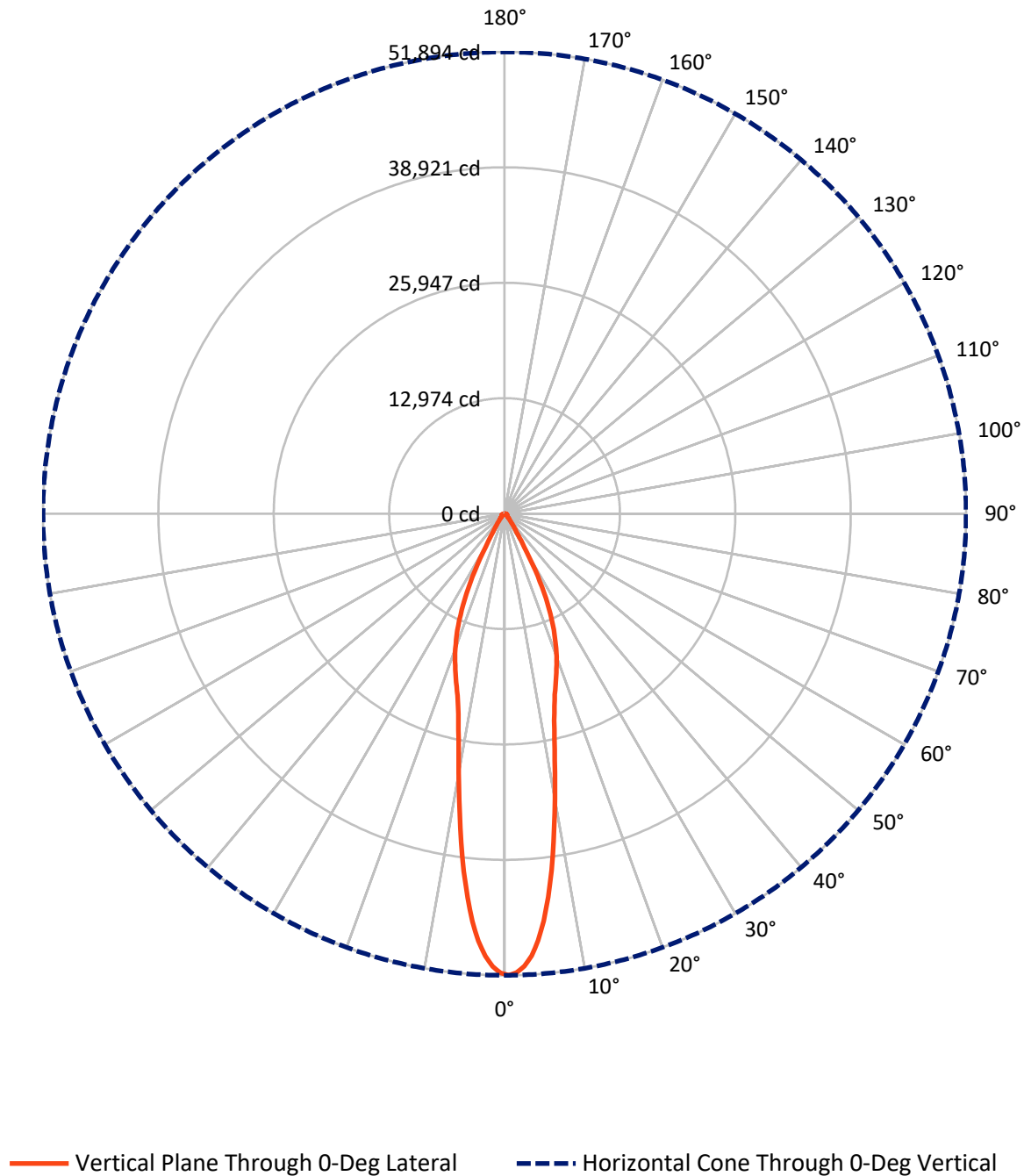


Based on 25 foot mounting height. Maximum calculated value = 83 fc

Type V - Short - N/A

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## Luminous Intensity Polar Plot



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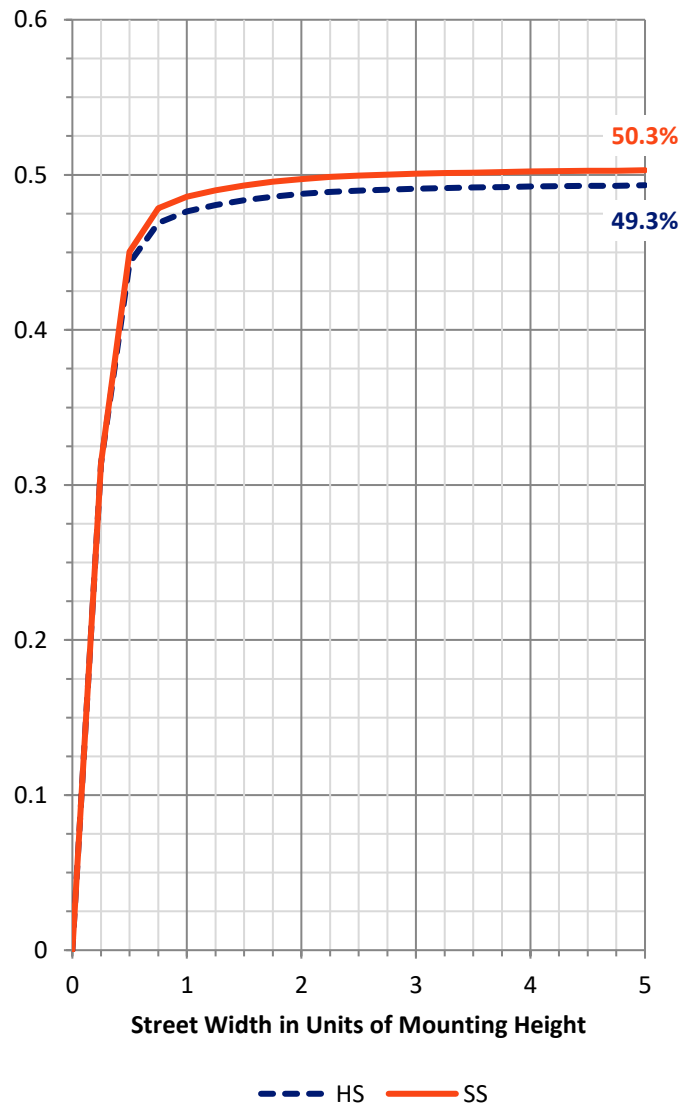
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8656.9   | 0.0    | 8656.9  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8656.9   | 0.0    | 8656.9  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 17313.9  | 0.0    | 17313.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 3884.7  | 22.4      |
| 10°-20°   | 6058.3  | 35.0      |
| 20°-30°   | 4909.3  | 28.4      |
| 30°-40°   | 1191.5  | 6.9       |
| 40°-50°   | 401.0   | 2.3       |
| 50°-60°   | 316.9   | 1.8       |
| 60°-70°   | 316.1   | 1.8       |
| 70°-80°   | 174.4   | 1.0       |
| 80°-90°   | 61.8    | 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°    | 17313.9 | 100.0     |
| 0°-180°   | 17313.9 | 100.0     |

**Coefficient of Utilization**



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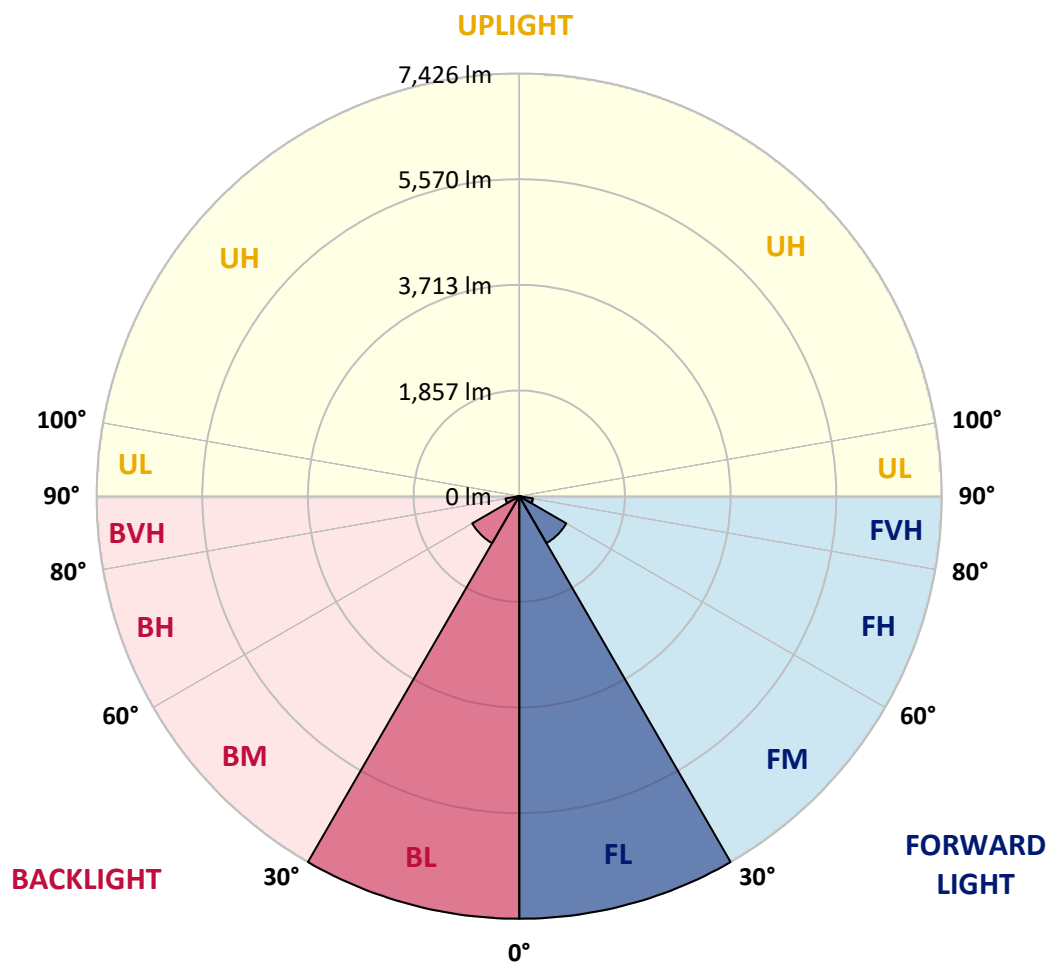
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 7426.1 | 42.9      |                         |      |        |
| FM   | (30°-60°)   | 954.7  | 5.5       |                         |      |        |
| FH   | (60°-80°)   | 245.2  | 1.4       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 30.9   | 0.2       |                         |      | G1/100 |
| BL   | (0°-30°)    | 7426.1 | 42.9      | B5                      |      |        |
| BM   | (30°-60°)   | 954.7  | 5.5       | B1/1000                 |      |        |
| BH   | (60°-80°)   | 245.2  | 1.4       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 30.9   | 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



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 51894.2 |
| 1°    | 51624.1 |
| 2°    | 50929.8 |
| 3°    | 49778.6 |
| 4°    | 48125.1 |
| 5°    | 45991.9 |
| 6°    | 43379.0 |
| 7°    | 40458.1 |
| 8°    | 37287.3 |
| 9°    | 34096.3 |
| 10°   | 31044.1 |
| 11°   | 28297.4 |
| 12°   | 25891.6 |
| 13°   | 23914.9 |
| 14°   | 22339.5 |
| 15°   | 21100.0 |
| 17.5° | 18805.2 |
| 20°   | 16669.5 |
| 22.5° | 14167.7 |
| 25°   | 11261.9 |
| 27.5° | 7949.7  |
| 30°   | 4319.5  |
| 32.5° | 2484.1  |
| 35°   | 1658.6  |
| 37.5° | 1131.0  |
| 40°   | 805.3   |
| 42.5° | 623.6   |
| 45°   | 487.2   |
| 47.5° | 398.9   |
| 50°   | 366.1   |
| 52.5° | 348.4   |
| 55°   | 340.8   |
| 57.5° | 353.4   |
| 60°   | 373.6   |
| 62.5° | 366.1   |
| 65°   | 325.7   |
| 67.5° | 280.2   |
| 70°   | 237.3   |
| 72.5° | 196.9   |
| 75°   | 161.6   |
| 77.5° | 131.3   |
| 80°   | 106.0   |
| 82.5° | 85.8    |
| 85°   | 65.6    |
| 87.5° | 22.7    |



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)