

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: P526010

Luminaire Tested: **IFLD-L-SA8D-950-U-22**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P526010  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-950-U-22  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens  
Light Source: (128) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

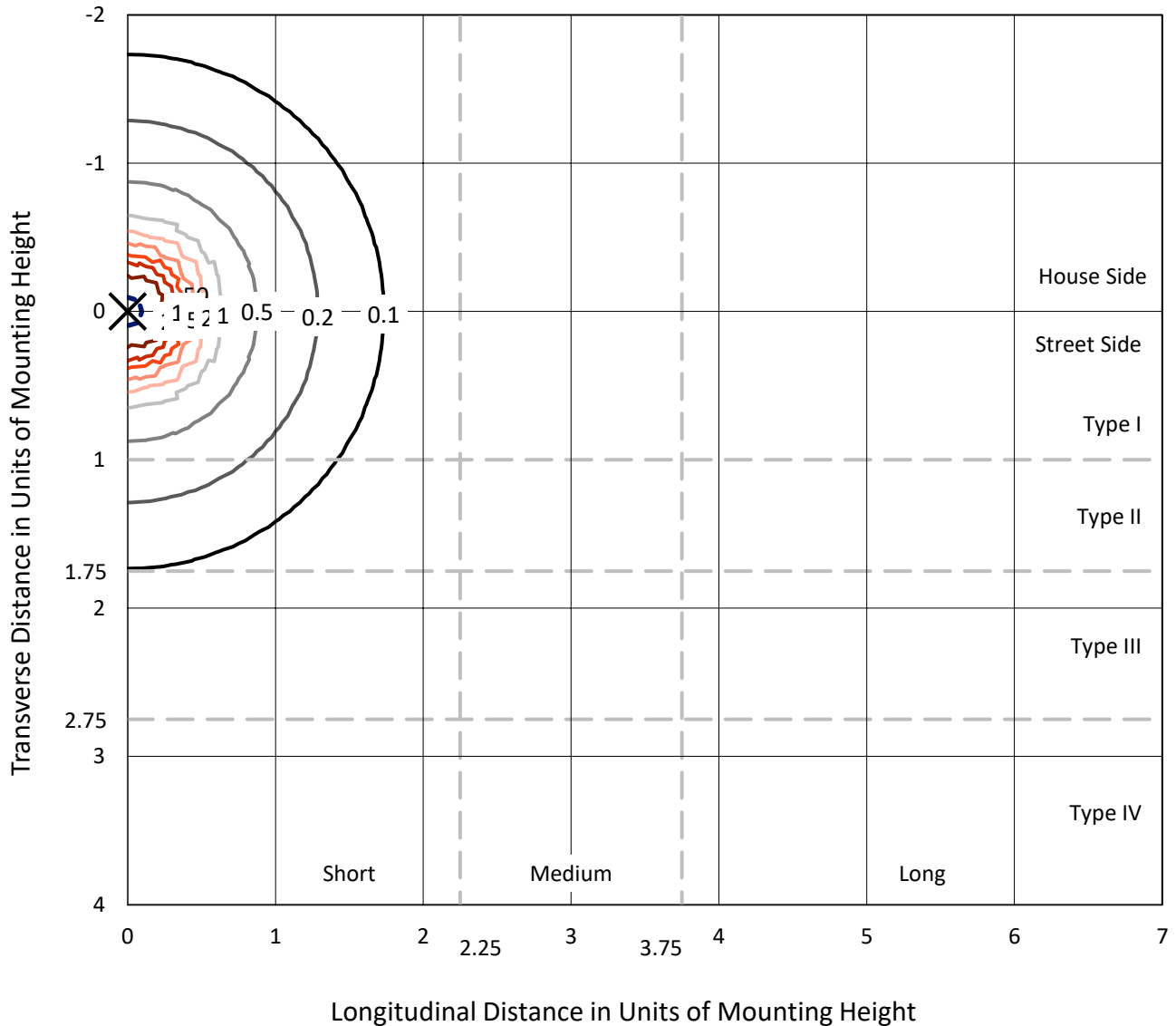
Lumens per Lamp: N/A  
Luminaire Lumens: 40486 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3  
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

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### Iso-Footcandle Lines of Horizontal Illumination

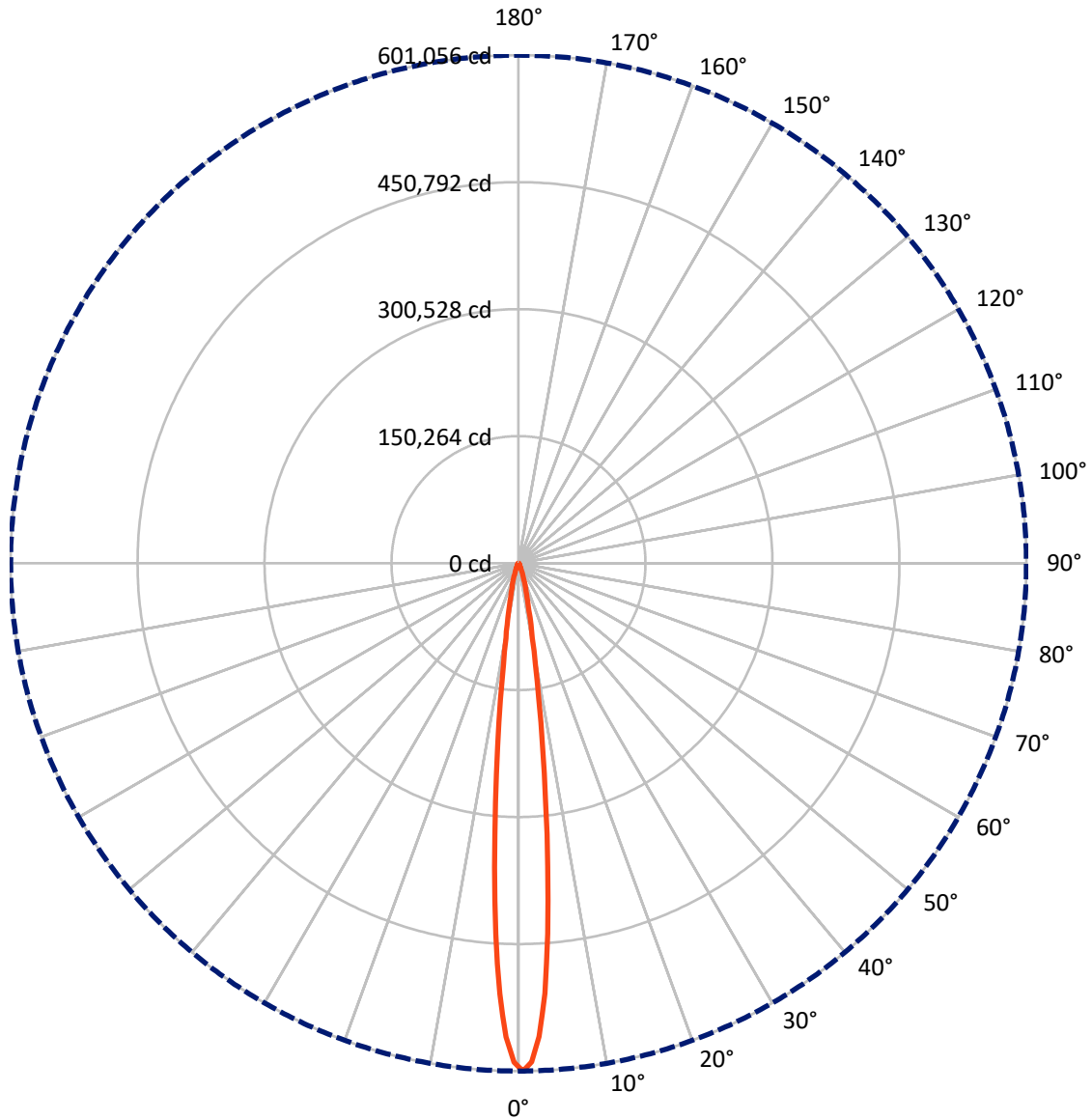
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 667.8 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    | 20243.0  | 0.0    | 20243.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 20243.0  | 0.0    | 20243.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 40486.0  | 0.0    | 40486.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 24841.4 | 61.4      |
| 10°-20°   | 9884.7  | 24.4      |
| 20°-30°   | 2279.2  | 5.6       |
| 30°-40°   | 865.3   | 2.1       |
| 40°-50°   | 706.2   | 1.7       |
| 50°-60°   | 678.2   | 1.7       |
| 60°-70°   | 649.8   | 1.6       |
| 70°-80°   | 430.1   | 1.1       |
| 80°-90°   | 151.1   | 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°    | 40486.0 | 100.0     |
| 0°-180°   | 40486.0 | 100.0     |

**Coefficient of Utilization**



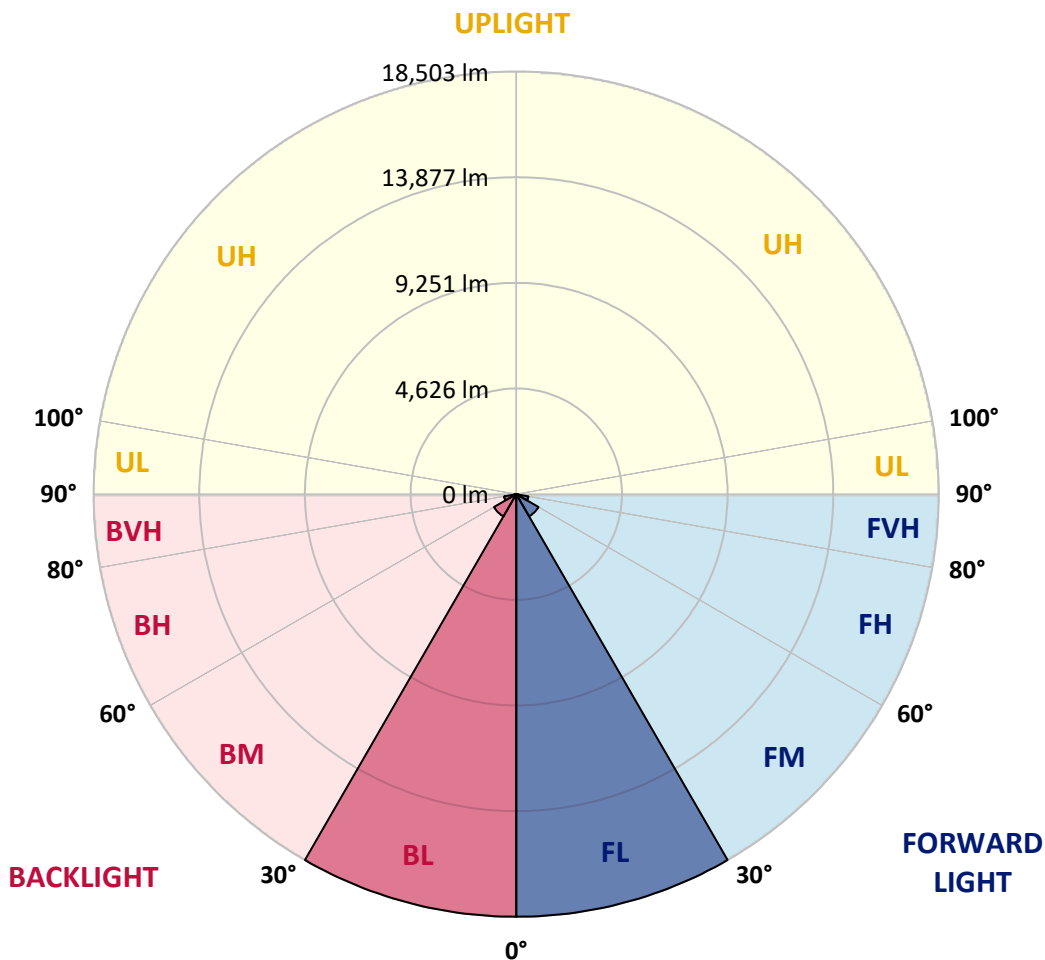
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 18502.7 | 45.7      |                         |      |        |
| FM   | (30°-60°)   | 1124.9  | 2.8       |                         |      |        |
| FH   | (60°-80°)   | 539.9   | 1.3       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 75.6    | 0.2       |                         |      | G1/100 |
| BL   | (0°-30°)    | 18502.7 | 45.7      | B5                      |      |        |
| BM   | (30°-60°)   | 1124.9  | 2.8       | B2/2500                 |      |        |
| BH   | (60°-80°)   | 539.9   | 1.3       | B2/1000                 |      | G0/660 |
| BVH  | (80°-90°)   | 75.6    | 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°    | 601056.2 |
| 1°    | 590482.7 |
| 2°    | 560865.0 |
| 3°    | 509993.4 |
| 4°    | 440047.9 |
| 5°    | 361180.2 |
| 6°    | 283952.1 |
| 7°    | 217523.1 |
| 8°    | 162350.8 |
| 9°    | 121042.9 |
| 10°   | 90266.8  |
| 12.5° | 49196.5  |
| 15°   | 31566.1  |
| 17.5° | 21301.5  |
| 20°   | 12664.4  |
| 22.5° | 7045.0   |
| 25°   | 4027.4   |
| 27.5° | 2554.3   |
| 30°   | 1841.5   |
| 32.5° | 1502.9   |
| 35°   | 1336.5   |
| 37.5° | 1241.5   |
| 40°   | 1116.8   |
| 42.5° | 992.0    |
| 45°   | 885.1    |
| 47.5° | 831.6    |
| 50°   | 796.0    |
| 52.5° | 772.2    |
| 55°   | 754.4    |
| 57.5° | 742.5    |
| 60°   | 718.8    |
| 62.5° | 700.9    |
| 65°   | 665.3    |
| 67.5° | 617.8    |
| 70°   | 558.4    |
| 72.5° | 481.2    |
| 75°   | 403.9    |
| 77.5° | 332.6    |
| 80°   | 267.3    |
| 82.5° | 207.9    |
| 85°   | 154.4    |
| 87.5° | 59.4     |
| 90°   | 0.0      |

(END OF REPORT)