

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: P692008

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7040-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P692008  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01HO-D-U-T5R-7040-U0  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12035 lumens  
Efficiency: N/A  
Efficacy: 152.3 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 79  
Input Voltage (V): NR  
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

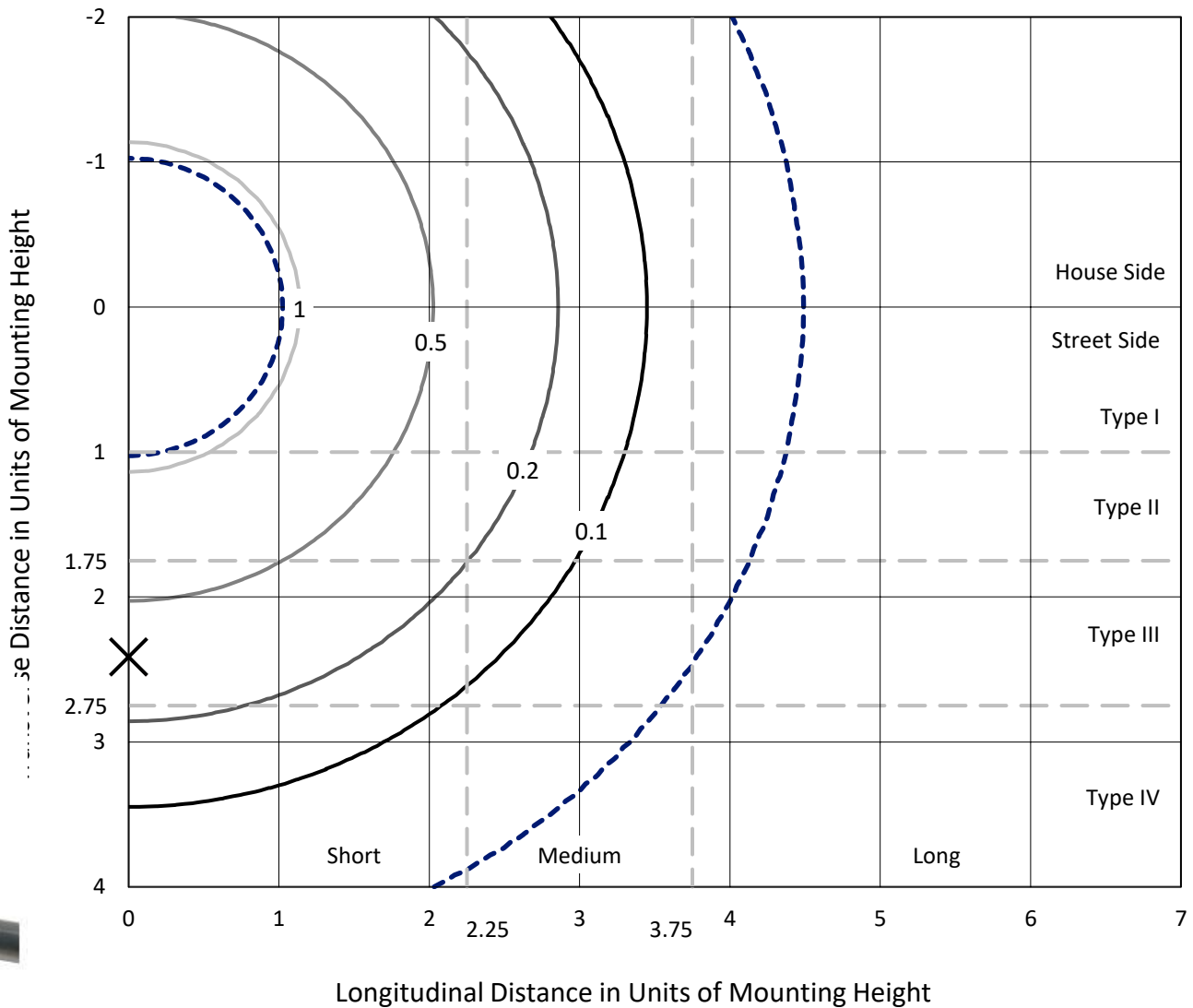


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

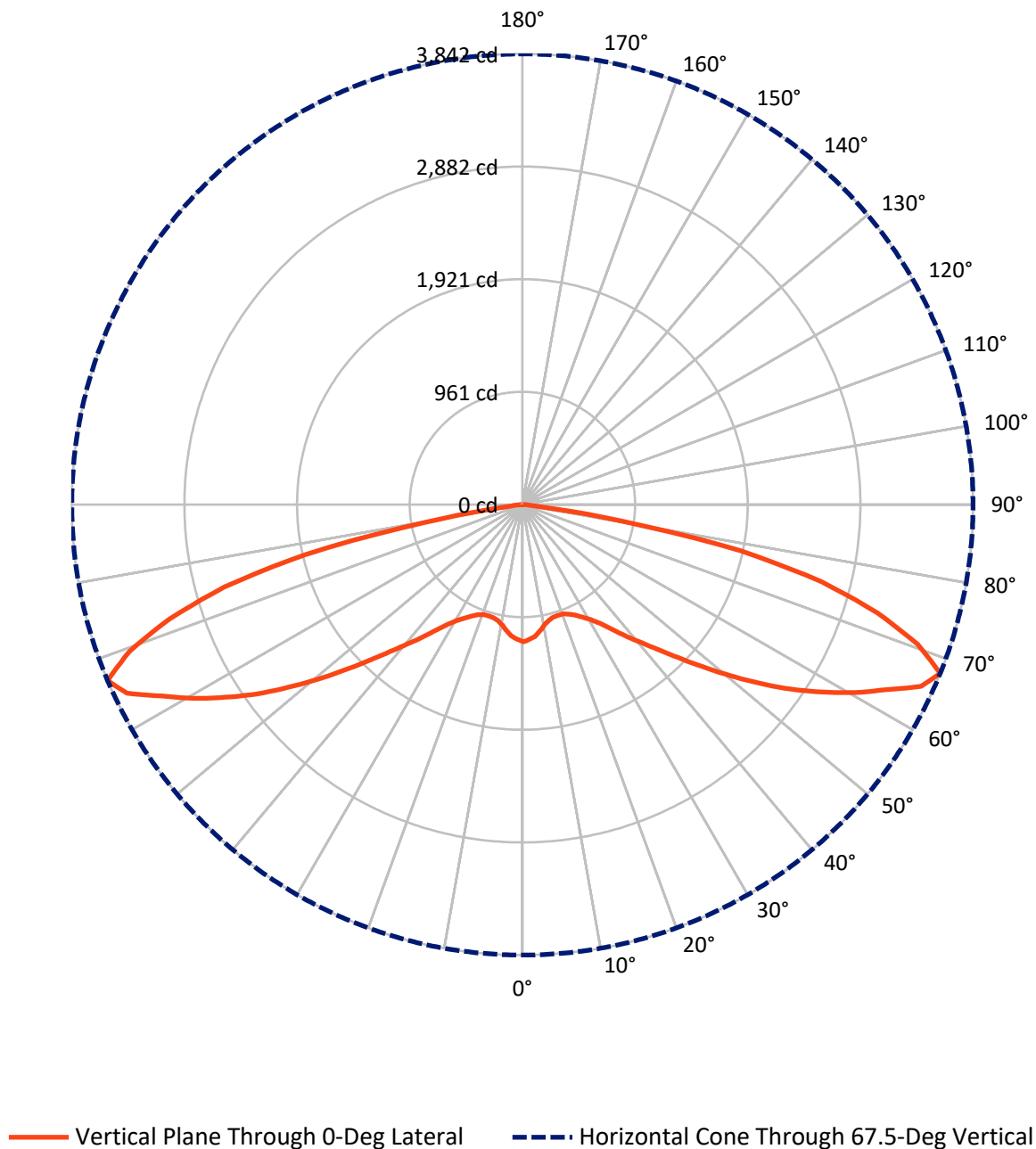


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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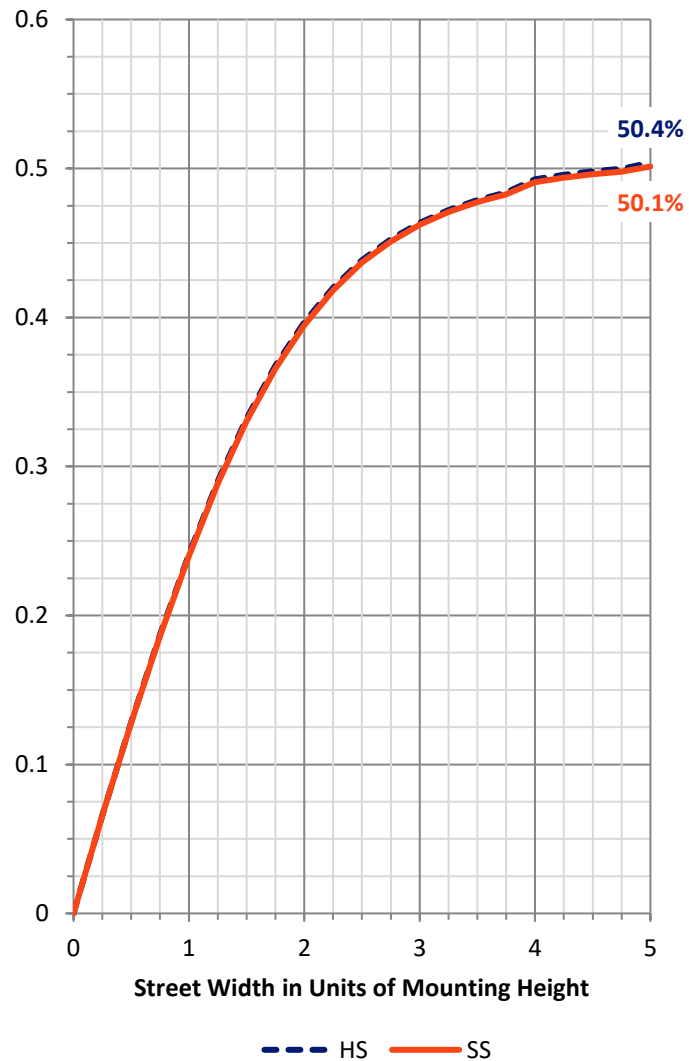
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6017.5   | 0.0    | 6017.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6017.5   | 0.0    | 6017.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12035.0  | 0.0    | 12035.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 104.8   | 0.9       |
| 10°-20°   | 284.1   | 2.4       |
| 20°-30°   | 489.4   | 4.1       |
| 30°-40°   | 831.1   | 6.9       |
| 40°-50°   | 1466.3  | 12.2      |
| 50°-60°   | 2498.9  | 20.8      |
| 60°-70°   | 3594.3  | 29.9      |
| 70°-80°   | 2613.7  | 21.7      |
| 80°-90°   | 152.5   | 1.3       |
| 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°    | 12035.0 | 100.0     |
| 0°-180°   | 12035.0 | 100.0     |

**Coefficient of Utilization**



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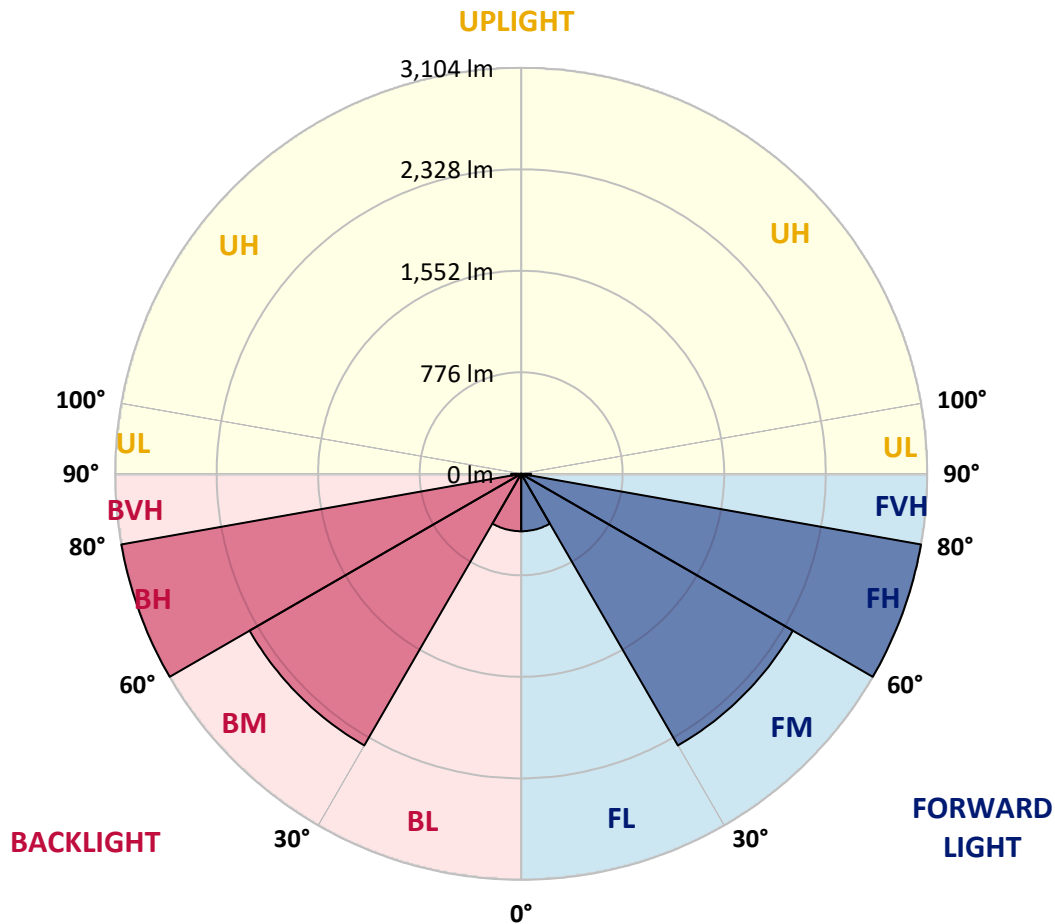
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 439.1  | 3.6       |                         |      |         |
| FM   | (30°-60°)   | 2398.1 | 19.9      |                         |      |         |
| FH   | (60°-80°)   | 3104.0 | 25.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 76.3   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 439.1  | 3.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 2398.1 | 19.9      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 3104.0 | 25.8      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 76.3   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1170.5 |
| 2.5°  | 1151.5 |
| 5°    | 1128.7 |
| 7.5°  | 1086.9 |
| 10°   | 1041.3 |
| 12.5° | 1010.9 |
| 15°   | 995.7  |
| 17.5° | 991.9  |
| 20°   | 995.7  |
| 22.5° | 1014.7 |
| 25°   | 1045.1 |
| 27.5° | 1086.9 |
| 30°   | 1136.3 |
| 32.5° | 1204.7 |
| 35°   | 1299.7 |
| 37.5° | 1417.5 |
| 40°   | 1539.1 |
| 42.5° | 1687.3 |
| 45°   | 1862.1 |
| 47.5° | 2067.4 |
| 50°   | 2291.6 |
| 52.5° | 2531.0 |
| 55°   | 2781.8 |
| 57.5° | 3017.4 |
| 60°   | 3256.8 |
| 62.5° | 3477.3 |
| 65°   | 3735.7 |
| 67.5° | 3842.1 |
| 70°   | 3576.1 |
| 72.5° | 3165.6 |
| 75°   | 2637.4 |
| 77.5° | 1903.9 |
| 80°   | 851.3  |
| 82.5° | 110.2  |
| 85°   | 22.8   |
| 87.5° | 3.8    |
| 90°   | 0.0    |

(END OF REPORT)