

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: P853342

Luminaire Tested: **CRTK-N-30-727-U-T5R-RMARROA5**

Issue Date: 7/11/2024

### Test Information

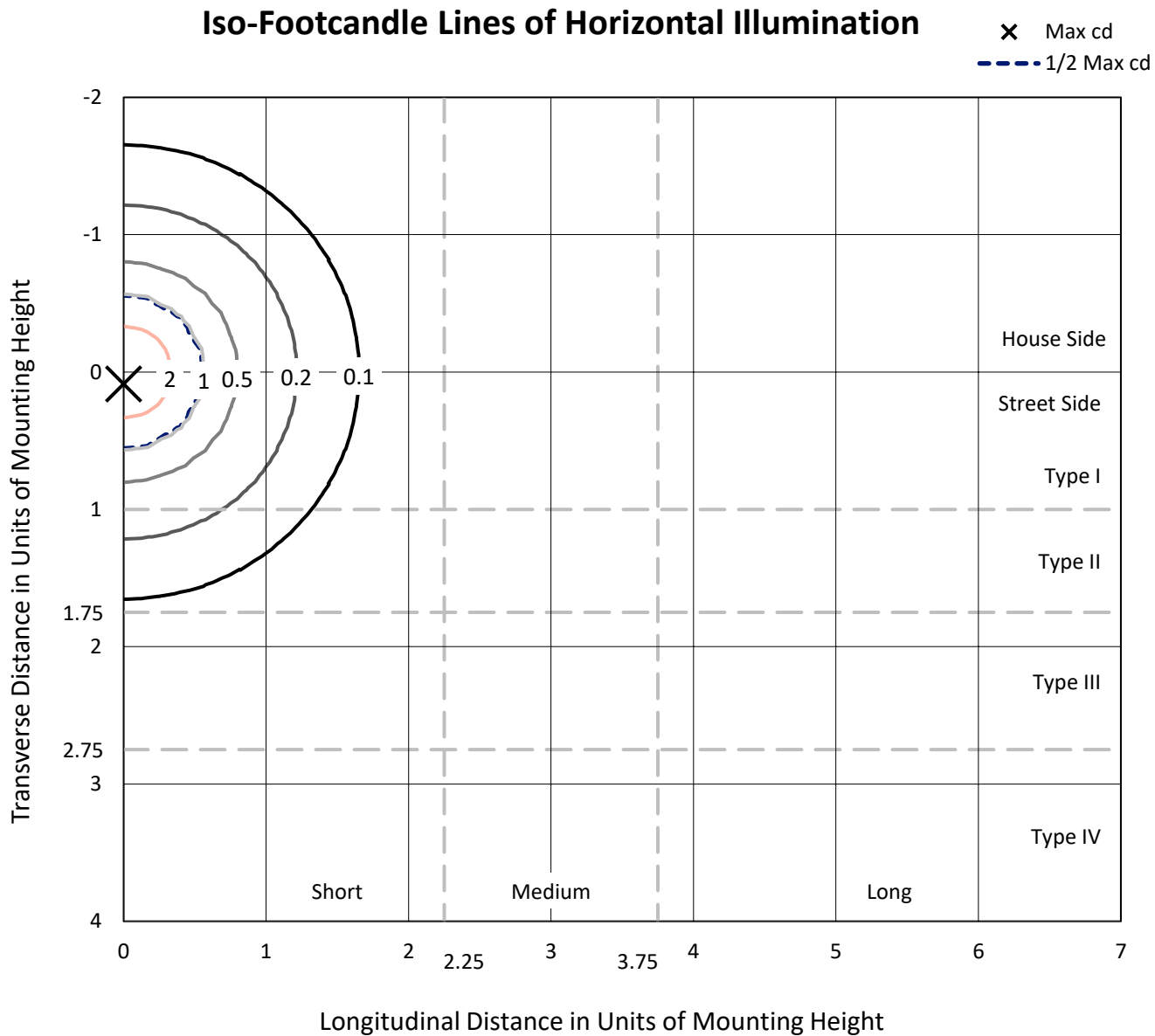
Test Method: LM-79-08  
Report Number: P853342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK-N-30-727-U-T5R-RMARROA5  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3753 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')  
IES Classification: Type V - Short  
BUG Rating: B2 - U3 - G1  
  
Input Watts (W): 32.3  
Input Voltage (V): 120.0  
Input Current (Ain): 0.271  
Voltage Rise (V): NR  
Power Factor: 0.993  
Total Harmonic Distortion (THDi): 10.1%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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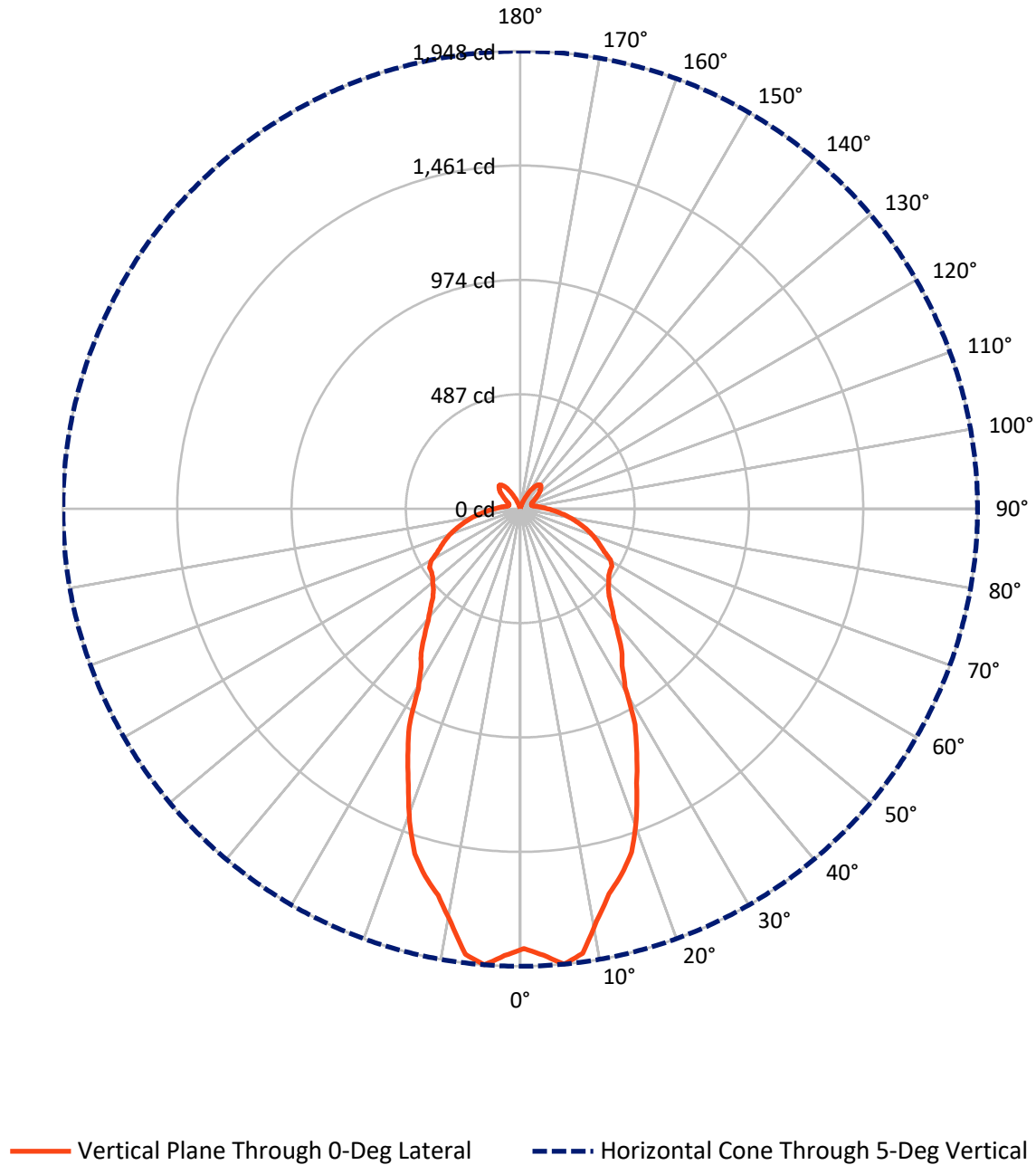


Based on 25 foot mounting height. Maximum calculated value = 3 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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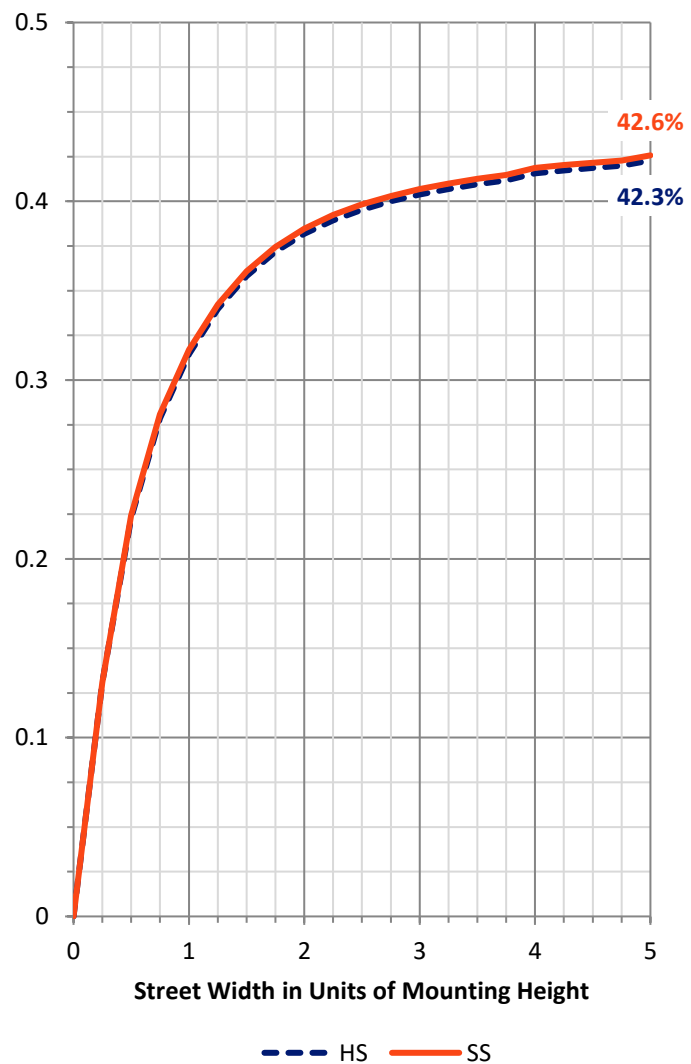
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1638.7   | 237.7  | 1876.5 |
|                    | % Fixture | 43.7     | 6.3    | 50.0   |
| <b>Street Side</b> | Lumens    | 1638.7   | 237.7  | 1876.5 |
|                    | % Fixture | 43.7     | 6.3    | 50.0   |
| <b>Total</b>       | Lumens    | 3277.5   | 475.5  | 3753.0 |
|                    | % Fixture | 87.3     | 12.7   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 180.5  | 4.8       |
| 10°-20°   | 451.0  | 12.0      |
| 20°-30°   | 526.6  | 14.0      |
| 30°-40°   | 462.7  | 12.3      |
| 40°-50°   | 416.6  | 11.1      |
| 50°-60°   | 417.4  | 11.1      |
| 60°-70°   | 373.0  | 9.9       |
| 70°-80°   | 279.2  | 7.4       |
| 80°-90°   | 170.6  | 4.5       |
| 90°-100°  | 91.1   | 2.4       |
| 100°-110° | 56.5   | 1.5       |
| 110°-120° | 56.0   | 1.5       |
| 120°-130° | 77.0   | 2.1       |
| 130°-140° | 95.9   | 2.6       |
| 140°-150° | 72.4   | 1.9       |
| 150°-160° | 24.2   | 0.6       |
| 160°-170° | 2.5    | 0.1       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3277.5 | 87.3      |
| 0°-180°   | 3753.0 | 100.0     |

**Coefficient of Utilization**



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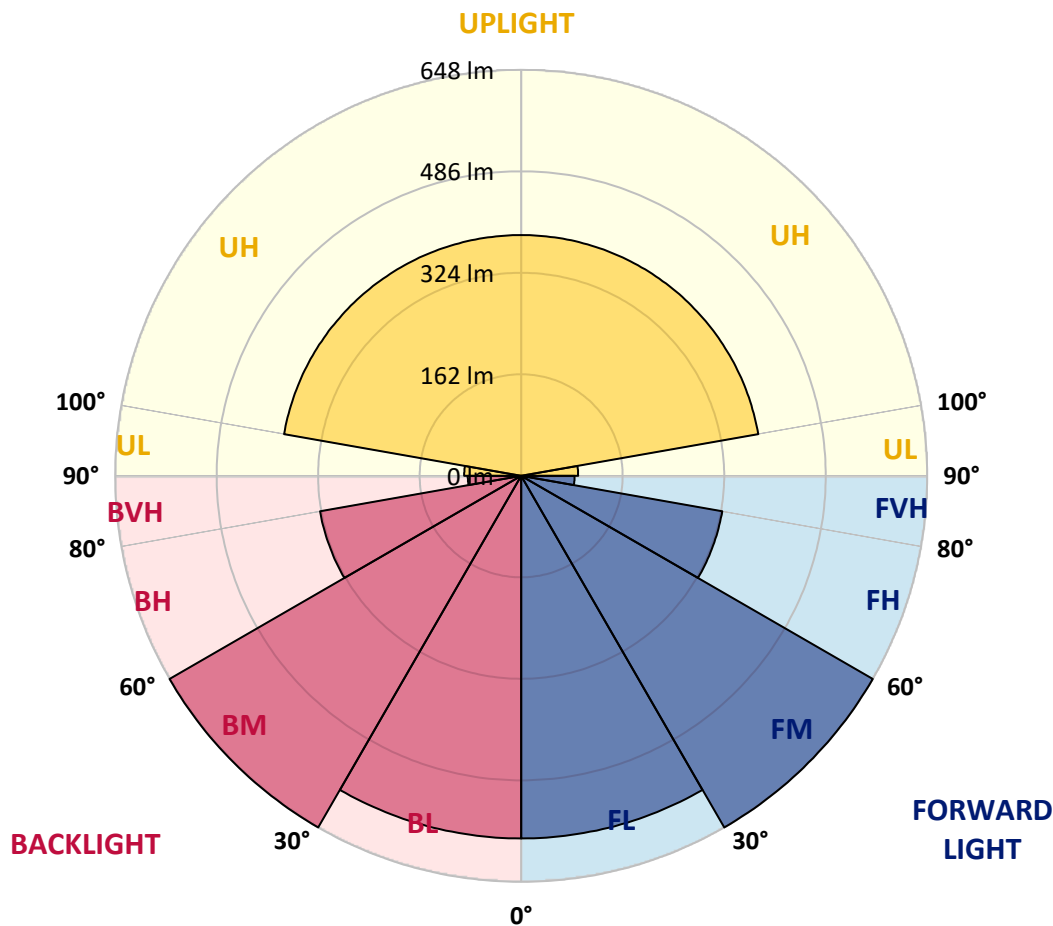
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 579.0  | 15.4      |                         |        |        |
| FM   | (30°-60°)   | 648.3  | 17.3      |                         |        |        |
| FH   | (60°-80°)   | 326.1  | 8.7       |                         |        | G0/660 |
| FVH  | (80°-90°)   | 85.3   | 2.3       |                         |        | G1/100 |
| BL   | (0°-30°)    | 579.0  | 15.4      | B2/1000                 |        |        |
| BM   | (30°-60°)   | 648.3  | 17.3      | B1/1000                 |        |        |
| BH   | (60°-80°)   | 326.1  | 8.7       | B1/500                  |        | G0/660 |
| BVH  | (80°-90°)   | 85.3   | 2.3       |                         |        | G1/100 |
| UL   | (90°-100°)  | 91.1   | 2.4       |                         | U3/500 |        |
| UH   | (100°-180°) | 384.4  | 10.2      |                         | U3/500 |        |

**BUG Rating: B2-U3-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

| 0°     |        |
|--------|--------|
| 0°     | 1872.0 |
| 2.5°   | 1903.2 |
| 5°     | 1947.7 |
| 7.5°   | 1911.6 |
| 10°    | 1785.4 |
| 12.5°  | 1682.0 |
| 15°    | 1615.9 |
| 17.5°  | 1536.5 |
| 20°    | 1411.5 |
| 22.5°  | 1269.6 |
| 25°    | 1153.0 |
| 27.5°  | 1041.2 |
| 30°    | 880.1  |
| 32.5°  | 795.9  |
| 35°    | 745.4  |
| 37.5°  | 676.9  |
| 40°    | 615.6  |
| 42.5°  | 571.1  |
| 45°    | 530.2  |
| 47.5°  | 505.0  |
| 50°    | 489.3  |
| 52.5°  | 472.5  |
| 55°    | 464.1  |
| 57.5°  | 460.5  |
| 60°    | 441.2  |
| 62.5°  | 401.6  |
| 65°    | 373.9  |
| 67.5°  | 348.7  |
| 70°    | 322.2  |
| 72.5°  | 293.4  |
| 75°    | 263.3  |
| 77.5°  | 235.6  |
| 80°    | 208.0  |
| 82.5°  | 180.3  |
| 85°    | 155.1  |
| 87.5°  | 131.1  |
| 90°    | 110.6  |
| 92.5°  | 95.0   |
| 95°    | 81.8   |
| 97.5°  | 70.9   |
| 100°   | 61.3   |
| 102.5° | 55.3   |
| 105°   | 51.7   |
| 107.5° | 50.5   |
| 110°   | 50.5   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 51.7  |
| 115°   | 55.3  |
| 117.5° | 60.1  |
| 120°   | 67.3  |
| 122.5° | 75.7  |
| 125°   | 85.4  |
| 127.5° | 96.2  |
| 130°   | 108.2 |
| 132.5° | 117.8 |
| 135°   | 126.2 |
| 137.5° | 132.3 |
| 140°   | 132.3 |
| 142.5° | 127.4 |
| 145°   | 117.8 |
| 147.5° | 103.4 |
| 150°   | 85.4  |
| 152.5° | 66.1  |
| 155°   | 48.1  |
| 157.5° | 33.7  |
| 160°   | 21.6  |
| 162.5° | 13.2  |
| 165°   | 6.0   |
| 167.5° | 0.0   |
| 170°   | 0.0   |
| 172.5° | 0.0   |
| 175°   | 0.0   |
| 177.5° | 0.0   |
| 180°   | 0.0   |

(END OF REPORT)