

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050222

Luminaire Tested: PTR-14-70-PL1-L830-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-70-PL1-L830-UNV-STD-W  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source:  
Ballast/Driver: -

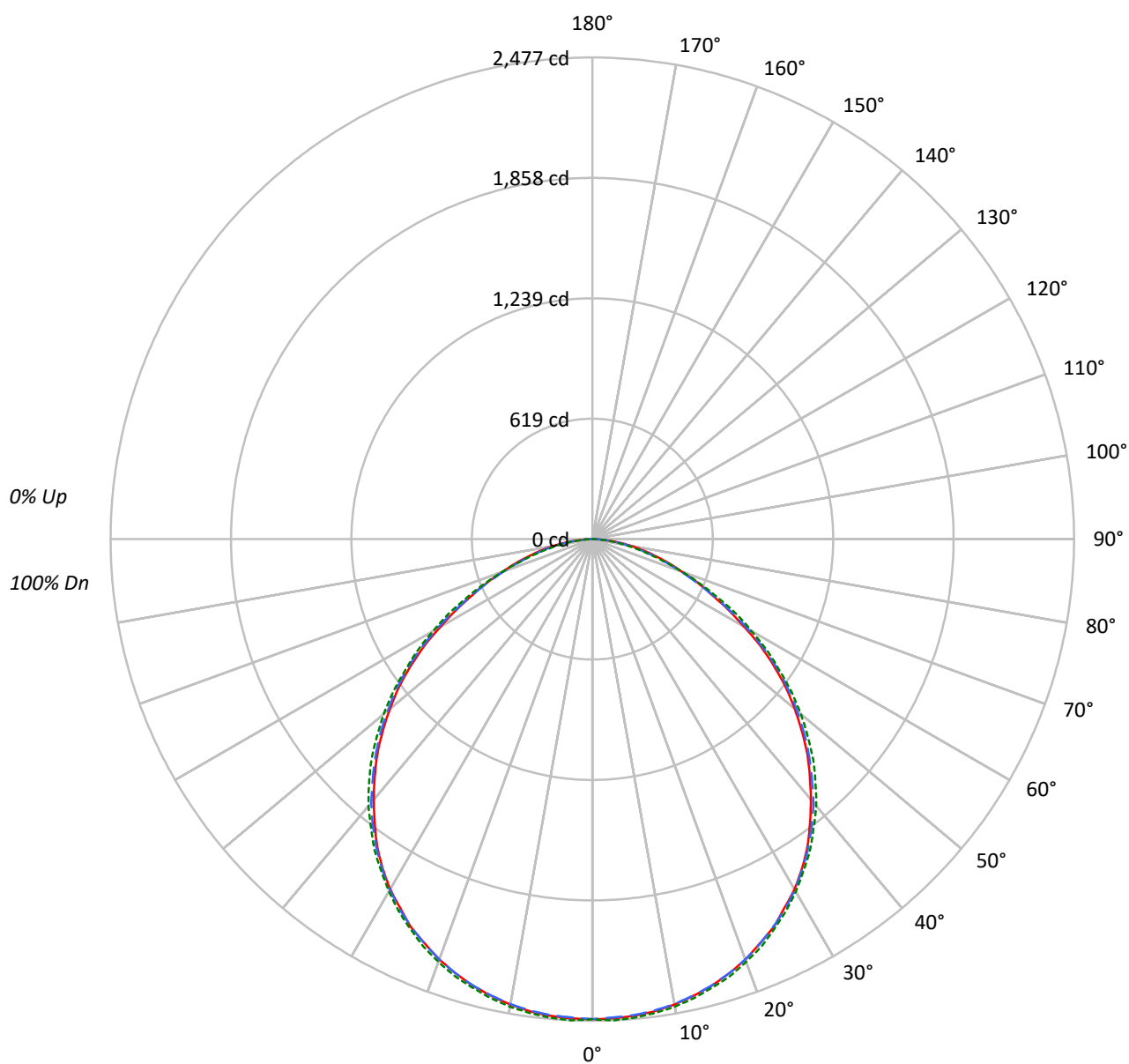
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6507.8 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 63  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor:  
Total Harmonic Distortion (THDi):  
Frequency (hertz): 60  
Stabilization Time: HR  
Operation Time: HR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |     |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |     | 50  |     |     |     |     | 30  |     |     |     |     | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 94  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 74  | 74  | 72  |
| 3   | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 66  | 77  | 70  | 65  | 74  | 69  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 4   | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 55  | 55  | 52  |
| 5   | 77  | 65  | 56  | 49  | 75  | 64  | 55  | 49  | 61  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 48  | 48  | 46  |
| 6   | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 47  | 42  | 42  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 37  | 37  | 35  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 34  | 34  | 32  |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 30  | 41  | 35  | 30  | 30  | 30  | 29  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 28  | 28  | 26  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 6644 | 6644 | 6644 |
| 5°  | 6649 | 6637 | 6673 |
| 10° | 6641 | 6634 | 6671 |
| 15° | 6621 | 6618 | 6651 |
| 20° | 6588 | 6588 | 6625 |
| 25° | 6543 | 6534 | 6570 |
| 30° | 6460 | 6469 | 6500 |
| 35° | 6337 | 6361 | 6412 |
| 40° | 6140 | 6211 | 6291 |
| 45° | 5949 | 5998 | 6113 |
| 50° | 5687 | 5748 | 5862 |
| 55° | 5356 | 5442 | 5506 |
| 60° | 4858 | 4962 | 5085 |
| 65° | 4315 | 4362 | 4537 |
| 70° | 3858 | 3779 | 3873 |
| 75° | 3480 | 3279 | 3214 |
| 80° | 3163 | 2937 | 2607 |
| 85° | 2677 | 2433 | 2093 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6113 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 234.2  | 3.6       |
| 10°-20°   | 671.7  | 10.3      |
| 20°-30°   | 1016.0 | 15.6      |
| 30°-40°   | 1211.0 | 18.6      |
| 40°-50°   | 1217.8 | 18.7      |
| 50°-60°   | 1033.5 | 15.9      |
| 60°-70°   | 688.1  | 10.6      |
| 70°-80°   | 343.6  | 5.3       |
| 80°-90°   | 91.9   | 1.4       |
| 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°-30°    | 1921.9 | 29.5      |
| 0°-40°    | 3132.9 | 48.1      |
| 0°-60°    | 5384.2 | 82.7      |
| 0°-90°    | 6507.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6507.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2469 | 2469  | 2469 | 2469  | 2469 |      |
| 5°  | 2462 | 2462  | 2457 | 2468  | 2470 | 234  |
| 15° | 2376 | 2379  | 2376 | 2385  | 2387 | 671  |
| 25° | 2204 | 2204  | 2201 | 2211  | 2213 | 1013 |
| 35° | 1929 | 1931  | 1936 | 1950  | 1952 | 1203 |
| 45° | 1563 | 1566  | 1576 | 1597  | 1606 | 1203 |
| 55° | 1142 | 1150  | 1160 | 1171  | 1174 | 1017 |
| 65° | 678  | 683   | 685  | 695   | 713  | 679  |
| 75° | 335  | 330   | 315  | 308   | 309  | 359  |
| 85° | 87   | 85    | 79   | 74    | 68   | 100  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2468.9 | 2468.9 | 2468.9 | 2468.9 | 2468.9 |
| 2.5°  | 2466.9 | 2468.9 | 2462.2 | 2474.2 | 2477.2 |
| 5°    | 2461.6 | 2462.2 | 2456.9 | 2467.9 | 2470.5 |
| 7.5°  | 2449.6 | 2450.6 | 2444.9 | 2456.9 | 2458.6 |
| 10°   | 2430.3 | 2432.3 | 2427.7 | 2438.6 | 2441.3 |
| 12.5° | 2405.7 | 2408.4 | 2403.7 | 2415.7 | 2417.7 |
| 15°   | 2376.5 | 2379.1 | 2375.5 | 2385.4 | 2387.4 |
| 17.5° | 2340.6 | 2342.6 | 2340.6 | 2349.9 | 2355.2 |
| 20°   | 2300.4 | 2300.4 | 2300.4 | 2308.7 | 2313.3 |
| 22.5° | 2250.2 | 2254.8 | 2252.8 | 2263.8 | 2268.5 |
| 25°   | 2203.6 | 2203.6 | 2200.6 | 2211.0 | 2212.6 |
| 27.5° | 2138.5 | 2145.8 | 2145.1 | 2154.1 | 2156.1 |
| 30°   | 2079.0 | 2081.0 | 2082.0 | 2088.3 | 2092.0 |
| 32.5° | 2006.9 | 2008.5 | 2011.5 | 2020.5 | 2021.5 |
| 35°   | 1929.1 | 1931.1 | 1936.4 | 1950.0 | 1952.0 |
| 37.5° | 1838.7 | 1848.7 | 1853.3 | 1867.9 | 1869.6 |
| 40°   | 1748.0 | 1754.3 | 1768.2 | 1783.5 | 1790.8 |
| 42.5° | 1655.6 | 1662.9 | 1671.2 | 1692.1 | 1698.8 |
| 45°   | 1563.2 | 1565.8 | 1576.1 | 1597.1 | 1606.4 |
| 47.5° | 1460.8 | 1469.1 | 1478.1 | 1496.3 | 1502.0 |
| 50°   | 1358.4 | 1367.4 | 1373.0 | 1389.3 | 1400.3 |
| 52.5° | 1255.0 | 1263.4 | 1269.7 | 1279.6 | 1290.6 |
| 55°   | 1141.7 | 1149.7 | 1160.0 | 1171.0 | 1173.6 |
| 57.5° | 1026.4 | 1035.3 | 1042.0 | 1053.6 | 1065.6 |
| 60°   | 902.7  | 913.0  | 922.0  | 933.0  | 944.9  |
| 62.5° | 787.7  | 792.0  | 801.4  | 819.6  | 836.9  |
| 65°   | 677.7  | 683.4  | 685.0  | 695.3  | 712.6  |
| 67.5° | 586.3  | 586.3  | 578.0  | 581.7  | 600.9  |
| 70°   | 490.3  | 486.6  | 480.3  | 476.6  | 492.2  |
| 72.5° | 412.5  | 407.8  | 394.2  | 387.9  | 396.2  |
| 75°   | 334.7  | 330.0  | 315.4  | 308.1  | 309.1  |
| 77.5° | 268.9  | 261.6  | 249.6  | 237.0  | 234.3  |
| 80°   | 204.1  | 201.1  | 189.5  | 177.5  | 168.2  |
| 82.5° | 144.6  | 138.3  | 131.6  | 124.3  | 117.0  |
| 85°   | 86.7   | 85.1   | 78.8   | 74.1   | 67.8   |
| 87.5° | 35.6   | 35.6   | 33.9   | 31.9   | 30.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







— 0°-180°    - - 45°-225°    ..... 90°-270°





(END OF REPORT)