

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: P1050087

Luminaire Tested: PTR-14-70-L930-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050087  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-70-L930-UNV-STD-W  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS  
  
Light Source:  
Ballast/Driver: -

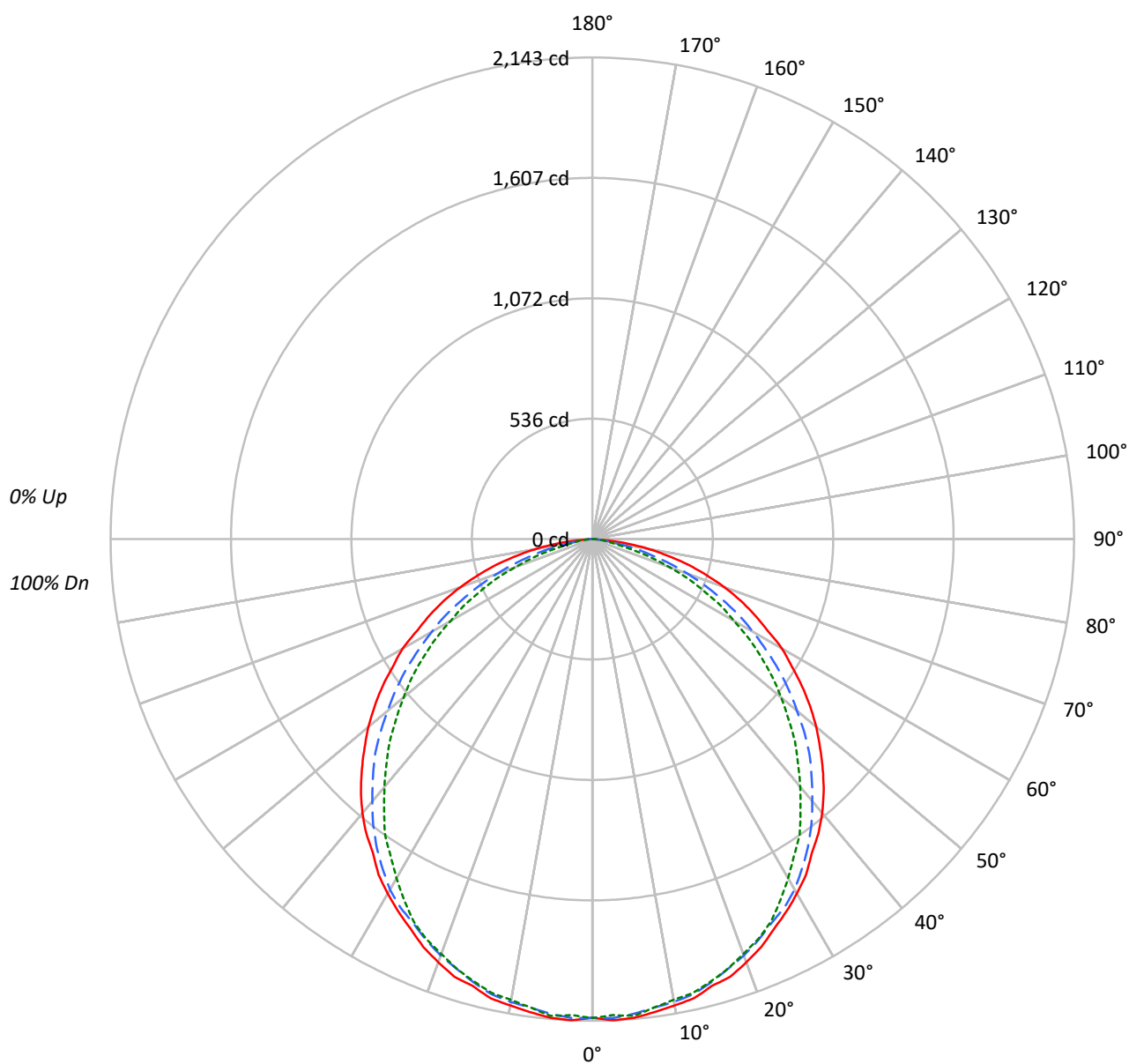
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5673.5 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.21 / 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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CATALOG NUMBER: PTR-14-70-L930-UNV-STD-W

### 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  | 95  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 87  | 81  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 74  | 74  | 72  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 54  | 54  | 52  |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 47  | 47  | 45  |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 42  | 54  | 47  | 42  | 52  | 46  | 42  | 42  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 37  | 37  | 35  |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 33  | 44  | 38  | 33  | 33  | 33  | 31  |
| 9   | 57  | 44  | 36  | 31  | 56  | 44  | 36  | 30  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 30  | 30  | 28  |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 27  | 37  | 32  | 27  | 27  | 27  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5732 | 5732 | 5732 |
| 5°  | 5774 | 5726 | 5750 |
| 10° | 5758 | 5713 | 5688 |
| 15° | 5732 | 5687 | 5676 |
| 20° | 5736 | 5645 | 5624 |
| 25° | 5680 | 5597 | 5578 |
| 30° | 5656 | 5593 | 5412 |
| 35° | 5593 | 5493 | 5280 |
| 40° | 5588 | 5348 | 5054 |
| 45° | 5518 | 5209 | 4852 |
| 50° | 5444 | 4976 | 4589 |
| 55° | 5339 | 4744 | 4309 |
| 60° | 5244 | 4438 | 3912 |
| 65° | 5065 | 4071 | 3498 |
| 70° | 4901 | 3543 | 2854 |
| 75° | 4603 | 2796 | 1965 |
| 80° | 3990 | 1691 | 1179 |
| 85° | 2665 | 1213 | 1136 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5518 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 201.9  | 3.6       |
| 10°-20°   | 577.7  | 10.2      |
| 20°-30°   | 872.7  | 15.4      |
| 30°-40°   | 1037.6 | 18.3      |
| 40°-50°   | 1052.3 | 18.5      |
| 50°-60°   | 913.8  | 16.1      |
| 60°-70°   | 648.7  | 11.4      |
| 70°-80°   | 310.0  | 5.5       |
| 80°-90°   | 58.8   | 1.0       |
| 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°    | 1652.3 | 29.1      |
| 0°-40°    | 2689.9 | 47.4      |
| 0°-60°    | 4656.0 | 82.1      |
| 0°-90°    | 5673.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5673.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2130 | 2130  | 2130 | 2130  | 2130 |      |
| 5°  | 2138 | 2130  | 2120 | 2125  | 2129 | 203  |
| 15° | 2058 | 2063  | 2041 | 2039  | 2037 | 583  |
| 25° | 1913 | 1910  | 1885 | 1893  | 1879 | 884  |
| 35° | 1702 | 1700  | 1672 | 1615  | 1607 | 1070 |
| 45° | 1450 | 1437  | 1369 | 1296  | 1275 | 1118 |
| 55° | 1138 | 1104  | 1011 | 951   | 918  | 1017 |
| 65° | 795  | 736   | 639  | 571   | 549  | 788  |
| 75° | 443  | 362   | 269  | 213   | 189  | 464  |
| 85° | 86   | 46    | 39   | 38    | 37   | 109  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2130.0 | 2130.0 | 2130.0 | 2130.0 | 2130.0 |
| 2.5°  | 2142.6 | 2135.0 | 2132.5 | 2141.4 | 2119.8 |
| 5°    | 2137.6 | 2130.0 | 2119.8 | 2124.9 | 2128.7 |
| 7.5°  | 2122.3 | 2116.0 | 2102.0 | 2113.5 | 2102.0 |
| 10°   | 2107.1 | 2100.8 | 2090.6 | 2094.4 | 2081.7 |
| 12.5° | 2091.9 | 2076.7 | 2074.1 | 2076.7 | 2067.8 |
| 15°   | 2057.6 | 2062.7 | 2041.2 | 2038.6 | 2037.3 |
| 17.5° | 2041.2 | 2028.5 | 2005.6 | 2006.9 | 2004.4 |
| 20°   | 2003.1 | 1987.9 | 1971.4 | 1968.8 | 1963.8 |
| 22.5° | 1963.8 | 1946.0 | 1930.8 | 1938.4 | 1927.0 |
| 25°   | 1913.0 | 1910.5 | 1885.1 | 1892.7 | 1878.8 |
| 27.5° | 1868.6 | 1859.7 | 1848.3 | 1831.8 | 1811.5 |
| 30°   | 1820.4 | 1811.5 | 1800.1 | 1757.0 | 1741.8 |
| 32.5° | 1769.7 | 1759.5 | 1736.7 | 1685.9 | 1669.5 |
| 35°   | 1702.4 | 1699.9 | 1672.0 | 1614.9 | 1607.3 |
| 37.5° | 1651.7 | 1623.8 | 1601.0 | 1542.6 | 1521.0 |
| 40°   | 1590.8 | 1575.6 | 1522.3 | 1466.5 | 1438.6 |
| 42.5° | 1523.6 | 1505.8 | 1444.9 | 1385.3 | 1354.8 |
| 45°   | 1450.0 | 1437.3 | 1368.8 | 1296.5 | 1274.9 |
| 47.5° | 1373.9 | 1362.5 | 1281.3 | 1211.5 | 1183.6 |
| 50°   | 1300.3 | 1286.3 | 1188.7 | 1121.4 | 1096.1 |
| 52.5° | 1220.4 | 1197.5 | 1101.1 | 1035.2 | 1011.1 |
| 55°   | 1137.9 | 1103.7 | 1011.1 | 951.4  | 918.5  |
| 57.5° | 1050.4 | 1018.7 | 915.9  | 853.8  | 827.1  |
| 60°   | 974.3  | 929.9  | 824.6  | 761.1  | 726.9  |
| 62.5° | 876.6  | 838.5  | 738.3  | 663.5  | 647.0  |
| 65°   | 795.4  | 735.8  | 639.4  | 570.9  | 549.3  |
| 67.5° | 712.9  | 643.2  | 545.5  | 475.7  | 464.3  |
| 70°   | 622.9  | 550.6  | 450.3  | 381.8  | 362.8  |
| 72.5° | 531.5  | 460.5  | 362.8  | 290.5  | 279.1  |
| 75°   | 442.7  | 361.5  | 268.9  | 213.1  | 189.0  |
| 77.5° | 346.3  | 272.7  | 189.0  | 130.7  | 115.4  |
| 80°   | 257.5  | 183.9  | 109.1  | 77.4   | 76.1   |
| 82.5° | 168.7  | 106.6  | 58.4   | 59.6   | 57.1   |
| 85°   | 86.3   | 45.7   | 39.3   | 38.1   | 36.8   |
| 87.5° | 16.5   | 17.8   | 19.0   | 19.0   | 19.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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





(END OF REPORT)