

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: P1050526

Luminaire Tested: 24PTR-60-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050526  
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: 24PTR-60-L935-UNV-STD-W  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

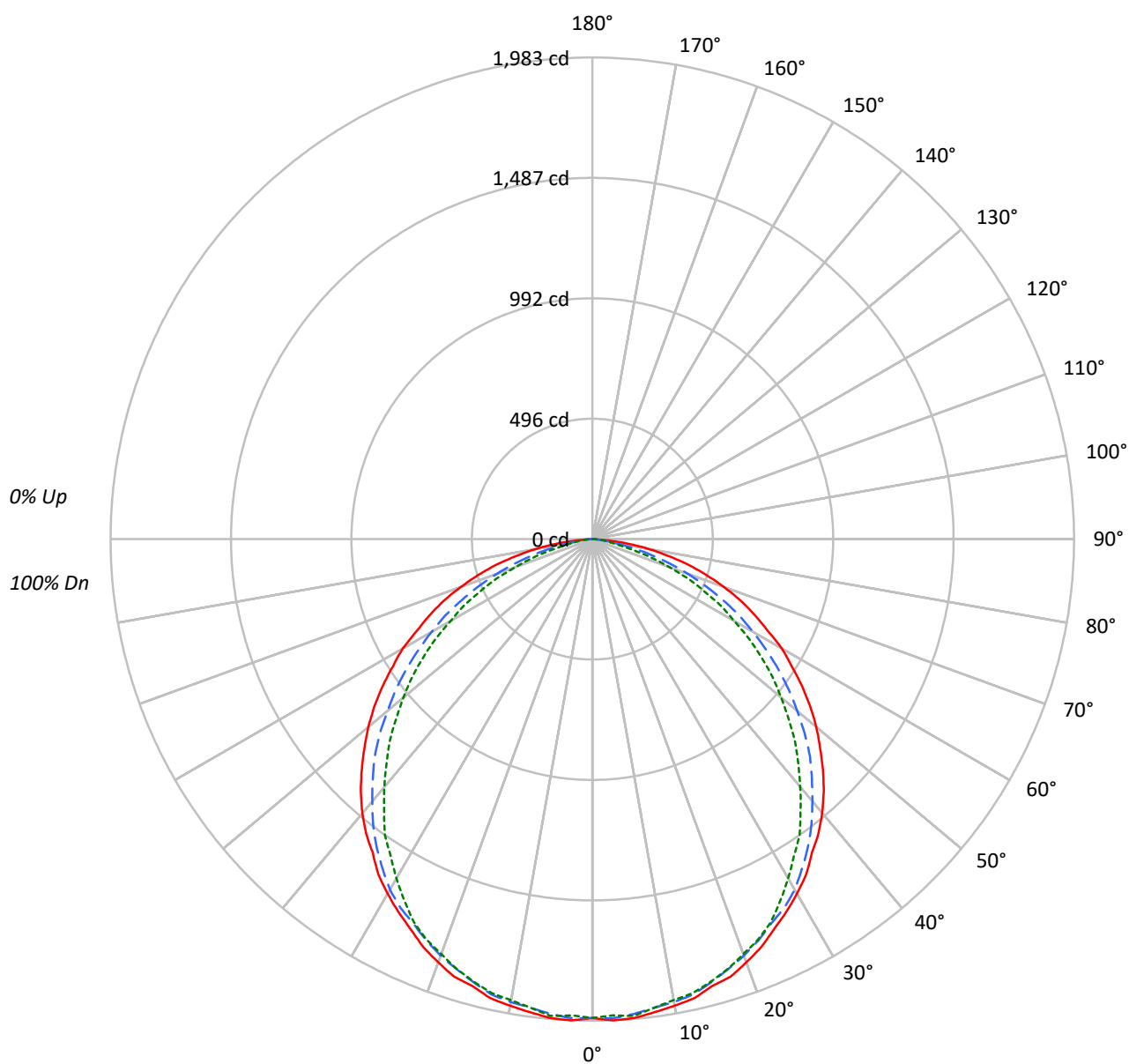
Lumens per Lamp: N/A  
Luminaire Lumens: 5251.7 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 51  
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  | 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°  | 2653 | 2653 | 2653 |
| 5°  | 2672 | 2650 | 2661 |
| 10° | 2665 | 2644 | 2633 |
| 15° | 2653 | 2632 | 2627 |
| 20° | 2655 | 2613 | 2603 |
| 25° | 2629 | 2591 | 2582 |
| 30° | 2618 | 2589 | 2505 |
| 35° | 2588 | 2542 | 2444 |
| 40° | 2586 | 2475 | 2339 |
| 45° | 2554 | 2411 | 2246 |
| 50° | 2519 | 2303 | 2124 |
| 55° | 2471 | 2195 | 1994 |
| 60° | 2427 | 2054 | 1811 |
| 65° | 2344 | 1884 | 1619 |
| 70° | 2268 | 1640 | 1321 |
| 75° | 2130 | 1294 | 910  |
| 80° | 1847 | 783  | 546  |
| 85° | 1233 | 562  | 526  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2554 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 186.9  | 3.6       |
| 10°-20°   | 534.8  | 10.2      |
| 20°-30°   | 807.8  | 15.4      |
| 30°-40°   | 960.5  | 18.3      |
| 40°-50°   | 974.1  | 18.5      |
| 50°-60°   | 845.9  | 16.1      |
| 60°-70°   | 600.5  | 11.4      |
| 70°-80°   | 287.0  | 5.5       |
| 80°-90°   | 54.4   | 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°    | 1529.5 | 29.1      |
| 0°-40°    | 2490.0 | 47.4      |
| 0°-60°    | 4309.9 | 82.1      |
| 0°-90°    | 5251.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5251.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1972 | 1972  | 1972 | 1972  | 1972 |      |
| 5°  | 1979 | 1972  | 1962 | 1967  | 1970 | 188  |
| 15° | 1905 | 1909  | 1889 | 1887  | 1886 | 540  |
| 25° | 1771 | 1768  | 1745 | 1752  | 1739 | 818  |
| 35° | 1576 | 1574  | 1548 | 1495  | 1488 | 990  |
| 45° | 1342 | 1330  | 1267 | 1200  | 1180 | 1035 |
| 55° | 1053 | 1022  | 936  | 881   | 850  | 941  |
| 65° | 736  | 681   | 592  | 528   | 508  | 729  |
| 75° | 410  | 335   | 249  | 197   | 175  | 430  |
| 85° | 80   | 42    | 36   | 35    | 34   | 101  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1971.6 | 1971.6 | 1971.6 | 1971.6 | 1971.6 |
| 2.5°  | 1983.4 | 1976.3 | 1974.0 | 1982.2 | 1962.2 |
| 5°    | 1978.7 | 1971.6 | 1962.2 | 1966.9 | 1970.4 |
| 7.5°  | 1964.6 | 1958.7 | 1945.8 | 1956.4 | 1945.8 |
| 10°   | 1950.5 | 1944.6 | 1935.2 | 1938.7 | 1927.0 |
| 12.5° | 1936.4 | 1922.3 | 1919.9 | 1922.3 | 1914.1 |
| 15°   | 1904.7 | 1909.4 | 1889.4 | 1887.1 | 1885.9 |
| 17.5° | 1889.4 | 1877.7 | 1856.5 | 1857.7 | 1855.4 |
| 20°   | 1854.2 | 1840.1 | 1824.8 | 1822.5 | 1817.8 |
| 22.5° | 1817.8 | 1801.3 | 1787.3 | 1794.3 | 1783.7 |
| 25°   | 1770.8 | 1768.5 | 1745.0 | 1752.0 | 1739.1 |
| 27.5° | 1729.7 | 1721.5 | 1710.9 | 1695.7 | 1676.9 |
| 30°   | 1685.1 | 1676.9 | 1666.3 | 1626.4 | 1612.3 |
| 32.5° | 1638.1 | 1628.7 | 1607.6 | 1560.6 | 1545.4 |
| 35°   | 1575.9 | 1573.5 | 1547.7 | 1494.9 | 1487.8 |
| 37.5° | 1528.9 | 1503.1 | 1481.9 | 1427.9 | 1408.0 |
| 40°   | 1472.5 | 1458.5 | 1409.1 | 1357.5 | 1331.6 |
| 42.5° | 1410.3 | 1393.9 | 1337.5 | 1282.3 | 1254.1 |
| 45°   | 1342.2 | 1330.5 | 1267.0 | 1200.1 | 1180.2 |
| 47.5° | 1271.7 | 1261.2 | 1186.0 | 1121.4 | 1095.6 |
| 50°   | 1203.6 | 1190.7 | 1100.3 | 1038.1 | 1014.6 |
| 52.5° | 1129.7 | 1108.5 | 1019.3 | 958.2  | 935.9  |
| 55°   | 1053.3 | 1021.6 | 935.9  | 880.7  | 850.2  |
| 57.5° | 972.3  | 942.9  | 847.8  | 790.3  | 765.6  |
| 60°   | 901.8  | 860.7  | 763.3  | 704.6  | 672.9  |
| 62.5° | 811.4  | 776.2  | 683.4  | 614.1  | 598.9  |
| 65°   | 736.3  | 681.1  | 591.8  | 528.4  | 508.5  |
| 67.5° | 659.9  | 595.4  | 504.9  | 440.4  | 429.8  |
| 70°   | 576.6  | 509.6  | 416.9  | 353.5  | 335.8  |
| 72.5° | 492.0  | 426.3  | 335.8  | 268.9  | 258.3  |
| 75°   | 409.8  | 334.7  | 248.9  | 197.3  | 175.0  |
| 77.5° | 320.6  | 252.5  | 175.0  | 121.0  | 106.9  |
| 80°   | 238.4  | 170.3  | 101.0  | 71.6   | 70.5   |
| 82.5° | 156.2  | 98.6   | 54.0   | 55.2   | 52.8   |
| 85°   | 79.9   | 42.3   | 36.4   | 35.2   | 34.1   |
| 87.5° | 15.3   | 16.4   | 17.6   | 17.6   | 17.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)