

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: P1050268

Luminaire Tested: PTR-14-60-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050268  
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-14-60-PL1-L940-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source:  
Ballast/Driver: -

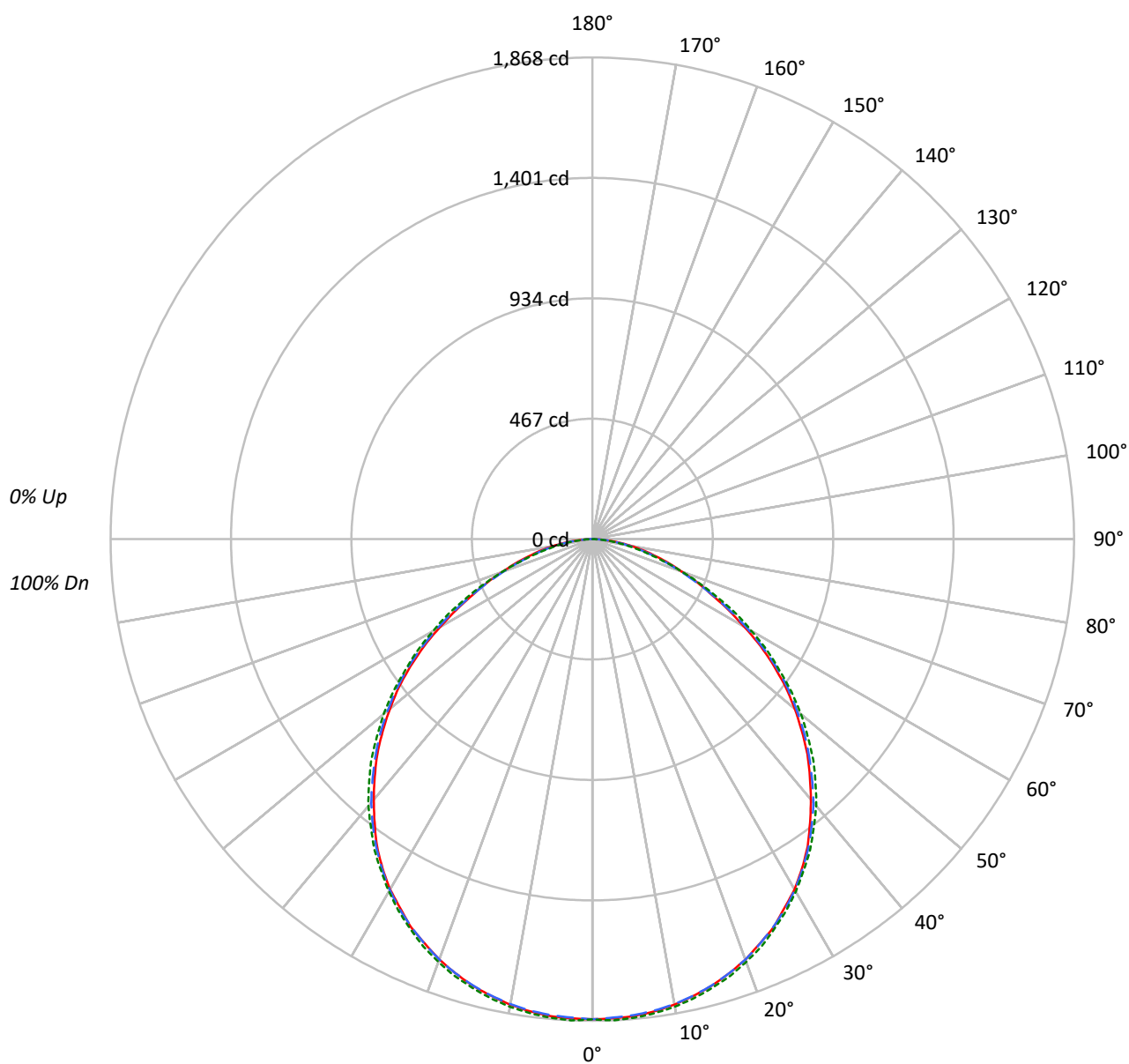
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4908.5 lumens  
Efficiency: N/A  
Efficacy: 98.6 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): 49.8  
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°  | 5011 | 5011 | 5011 |
| 5°  | 5015 | 5006 | 5034 |
| 10° | 5009 | 5003 | 5031 |
| 15° | 4993 | 4992 | 5017 |
| 20° | 4968 | 4968 | 4997 |
| 25° | 4935 | 4928 | 4955 |
| 30° | 4873 | 4879 | 4903 |
| 35° | 4780 | 4798 | 4837 |
| 40° | 4631 | 4685 | 4745 |
| 45° | 4487 | 4524 | 4611 |
| 50° | 4289 | 4335 | 4422 |
| 55° | 4040 | 4105 | 4153 |
| 60° | 3665 | 3743 | 3836 |
| 65° | 3255 | 3290 | 3422 |
| 70° | 2910 | 2850 | 2921 |
| 75° | 2624 | 2473 | 2424 |
| 80° | 2385 | 2214 | 1965 |
| 85° | 2019 | 1834 | 1578 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4611 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 176.6  | 3.6       |
| 10°-20°   | 506.6  | 10.3      |
| 20°-30°   | 766.3  | 15.6      |
| 30°-40°   | 913.4  | 18.6      |
| 40°-50°   | 918.5  | 18.7      |
| 50°-60°   | 779.5  | 15.9      |
| 60°-70°   | 519.0  | 10.6      |
| 70°-80°   | 259.1  | 5.3       |
| 80°-90°   | 69.3   | 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°    | 1449.5 | 29.5      |
| 0°-40°    | 2363.0 | 48.1      |
| 0°-60°    | 4061.0 | 82.7      |
| 0°-90°    | 4908.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4908.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1862 | 1862  | 1862 | 1862  | 1862 |      |
| 5°  | 1857 | 1857  | 1853 | 1861  | 1863 | 176  |
| 15° | 1792 | 1794  | 1792 | 1799  | 1801 | 506  |
| 25° | 1662 | 1662  | 1660 | 1668  | 1669 | 764  |
| 35° | 1455 | 1456  | 1460 | 1471  | 1472 | 908  |
| 45° | 1179 | 1181  | 1189 | 1205  | 1212 | 907  |
| 55° | 861  | 867   | 875  | 883   | 885  | 767  |
| 65° | 511  | 515   | 517  | 524   | 538  | 512  |
| 75° | 252  | 249   | 238  | 232   | 233  | 271  |
| 85° | 65   | 64    | 59   | 56    | 51   | 76   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1862.1 | 1862.1 | 1862.1 | 1862.1 | 1862.1 |
| 2.5°  | 1860.6 | 1862.1 | 1857.1 | 1866.1 | 1868.4 |
| 5°    | 1856.6 | 1857.1 | 1853.1 | 1861.4 | 1863.4 |
| 7.5°  | 1847.6 | 1848.3 | 1844.1 | 1853.1 | 1854.4 |
| 10°   | 1833.0 | 1834.5 | 1831.0 | 1839.3 | 1841.3 |
| 12.5° | 1814.5 | 1816.5 | 1813.0 | 1822.0 | 1823.5 |
| 15°   | 1792.4 | 1794.4 | 1791.7 | 1799.2 | 1800.7 |
| 17.5° | 1765.4 | 1766.9 | 1765.4 | 1772.4 | 1776.4 |
| 20°   | 1735.0 | 1735.0 | 1735.0 | 1741.3 | 1744.8 |
| 22.5° | 1697.2 | 1700.7 | 1699.2 | 1707.4 | 1711.0 |
| 25°   | 1662.1 | 1662.1 | 1659.8 | 1667.6 | 1668.8 |
| 27.5° | 1612.9 | 1618.5 | 1618.0 | 1624.7 | 1626.2 |
| 30°   | 1568.1 | 1569.6 | 1570.3 | 1575.1 | 1577.8 |
| 32.5° | 1513.7 | 1514.9 | 1517.2 | 1523.9 | 1524.7 |
| 35°   | 1455.0 | 1456.5 | 1460.5 | 1470.8 | 1472.3 |
| 37.5° | 1386.8 | 1394.3 | 1397.8 | 1408.9 | 1410.1 |
| 40°   | 1318.4 | 1323.1 | 1333.7 | 1345.2 | 1350.7 |
| 42.5° | 1248.7 | 1254.2 | 1260.5 | 1276.3 | 1281.3 |
| 45°   | 1179.0 | 1181.0 | 1188.8 | 1204.6 | 1211.6 |
| 47.5° | 1101.8 | 1108.0 | 1114.8 | 1128.6 | 1132.9 |
| 50°   | 1024.6 | 1031.3 | 1035.6 | 1047.9 | 1056.2 |
| 52.5° | 946.6  | 952.9  | 957.6  | 965.2  | 973.4  |
| 55°   | 861.1  | 867.1  | 874.9  | 883.2  | 885.2  |
| 57.5° | 774.1  | 780.9  | 785.9  | 794.7  | 803.7  |
| 60°   | 680.9  | 688.6  | 695.4  | 703.7  | 712.7  |
| 62.5° | 594.1  | 597.4  | 604.4  | 618.2  | 631.2  |
| 65°   | 511.2  | 515.4  | 516.7  | 524.4  | 537.5  |
| 67.5° | 442.2  | 442.2  | 435.9  | 438.7  | 453.2  |
| 70°   | 369.8  | 367.0  | 362.2  | 359.5  | 371.3  |
| 72.5° | 311.1  | 307.6  | 297.3  | 292.6  | 298.8  |
| 75°   | 252.4  | 248.9  | 237.9  | 232.4  | 233.1  |
| 77.5° | 202.8  | 197.3  | 188.3  | 178.7  | 176.7  |
| 80°   | 153.9  | 151.7  | 142.9  | 133.9  | 126.8  |
| 82.5° | 109.0  | 104.3  | 99.3   | 93.8   | 88.2   |
| 85°   | 65.4   | 64.2   | 59.4   | 55.9   | 51.1   |
| 87.5° | 26.8   | 26.8   | 25.6   | 24.1   | 22.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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





(END OF REPORT)