

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: P1050414

Luminaire Tested: PTR-14-60-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-60-PR1-L935-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS  
  
Light Source:  
Ballast/Driver: -

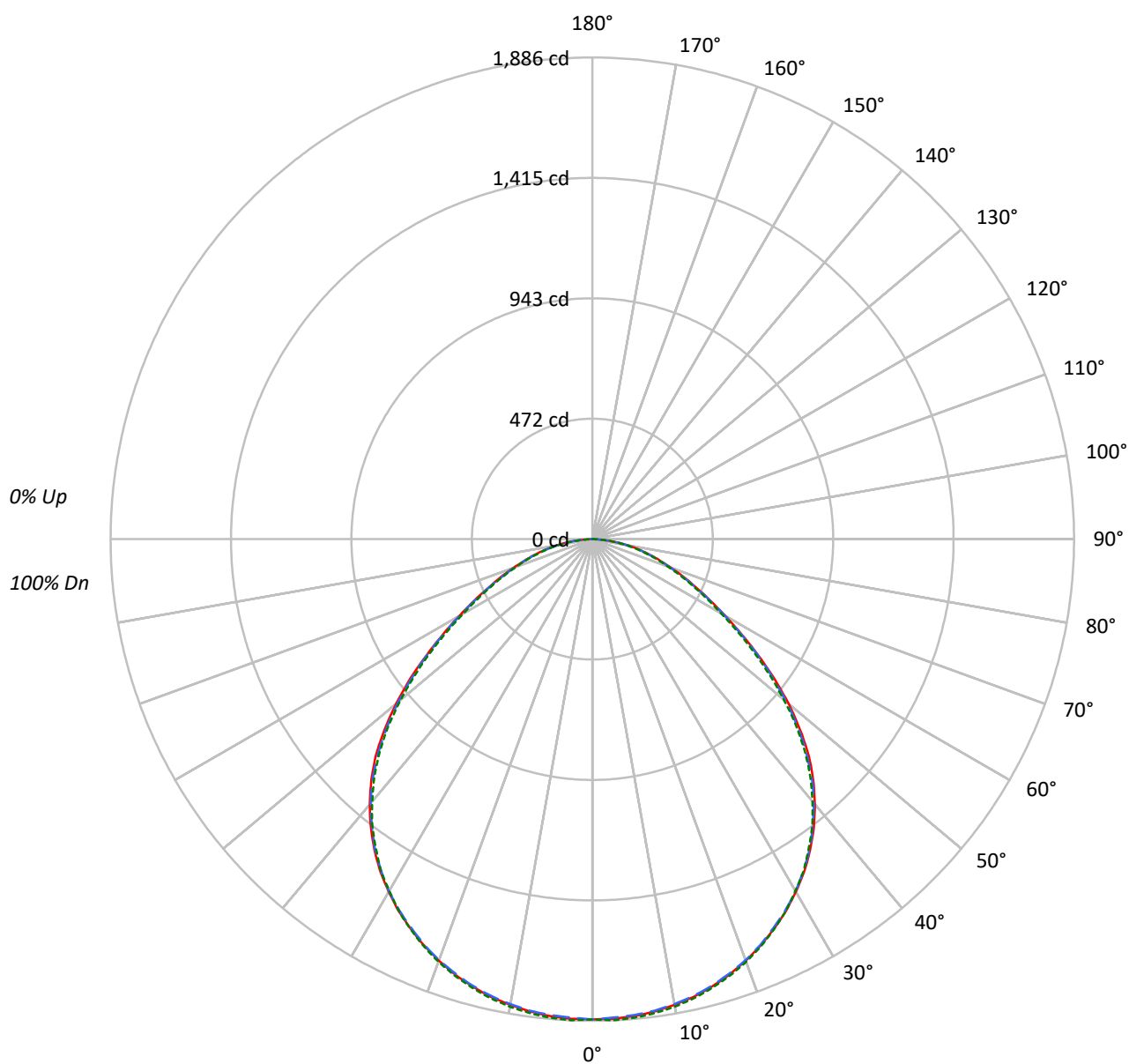
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4755.6 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34  
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 | 100 |    |    |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 88  | 85  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |    |    |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  | 78  | 71  | 66  | 75  | 70  | 65  | 72  | 68  | 64  | 62  |    |    |
| 4   | 85  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 54  |    |    |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 56  | 50  | 62  | 55  | 50  | 61  | 54  | 49  | 59  | 53  | 49  | 47  |    |    |
| 6   | 72  | 59  | 51  | 45  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 49  | 44  | 53  | 48  | 43  | 41  |    |    |
| 7   | 67  | 54  | 45  | 40  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 37  |    |    |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 31  | 30  |    |    |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5060 | 5060 | 5060 |
| 5°  | 5065 | 5054 | 5082 |
| 10° | 5061 | 5052 | 5079 |
| 15° | 5051 | 5044 | 5068 |
| 20° | 5030 | 5024 | 5044 |
| 25° | 4997 | 4985 | 5003 |
| 30° | 4953 | 4947 | 4941 |
| 35° | 4885 | 4873 | 4853 |
| 40° | 4761 | 4742 | 4709 |
| 45° | 4563 | 4512 | 4479 |
| 50° | 4198 | 4151 | 4100 |
| 55° | 3716 | 3699 | 3627 |
| 60° | 3229 | 3217 | 3130 |
| 65° | 2846 | 2828 | 2772 |
| 70° | 2581 | 2545 | 2493 |
| 75° | 2390 | 2335 | 2292 |
| 80° | 2182 | 2151 | 2080 |
| 85° | 1723 | 1707 | 1639 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4563 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 178.4  | 3.8       |
| 10°-20°   | 512.0  | 10.8      |
| 20°-30°   | 775.6  | 16.3      |
| 30°-40°   | 925.9  | 19.5      |
| 40°-50°   | 910.6  | 19.1      |
| 50°-60°   | 703.8  | 14.8      |
| 60°-70°   | 443.8  | 9.3       |
| 70°-80°   | 240.0  | 5.0       |
| 80°-90°   | 65.6   | 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°    | 1466.0 | 30.8      |
| 0°-40°    | 2391.9 | 50.3      |
| 0°-60°    | 4006.2 | 84.2      |
| 0°-90°    | 4755.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4755.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1880 | 1880  | 1880 | 1880  | 1880 |      |
| 5°  | 1875 | 1876  | 1871 | 1879  | 1881 | 178  |
| 15° | 1813 | 1814  | 1810 | 1816  | 1819 | 512  |
| 25° | 1683 | 1684  | 1679 | 1684  | 1685 | 776  |
| 35° | 1487 | 1487  | 1484 | 1482  | 1477 | 928  |
| 45° | 1199 | 1194  | 1186 | 1176  | 1177 | 918  |
| 55° | 792  | 799   | 788  | 776   | 773  | 711  |
| 65° | 447  | 448   | 444  | 437   | 435  | 450  |
| 75° | 230  | 227   | 225  | 226   | 220  | 244  |
| 85° | 56   | 57    | 55   | 56    | 53   | 66   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1880.5 | 1880.5 | 1880.5 | 1880.5 | 1880.5 |
| 2.5°  | 1879.7 | 1880.5 | 1875.1 | 1883.9 | 1885.8 |
| 5°    | 1875.1 | 1875.8 | 1870.9 | 1879.0 | 1881.2 |
| 7.5°  | 1865.5 | 1867.0 | 1862.3 | 1870.4 | 1872.4 |
| 10°   | 1852.0 | 1853.5 | 1848.9 | 1856.9 | 1858.9 |
| 12.5° | 1835.4 | 1835.9 | 1832.0 | 1839.3 | 1841.3 |
| 15°   | 1813.1 | 1813.6 | 1810.4 | 1816.3 | 1819.0 |
| 17.5° | 1787.4 | 1788.1 | 1783.5 | 1790.8 | 1792.1 |
| 20°   | 1756.5 | 1757.0 | 1754.3 | 1760.5 | 1761.2 |
| 22.5° | 1722.0 | 1723.5 | 1719.3 | 1724.7 | 1725.4 |
| 25°   | 1683.1 | 1684.3 | 1678.9 | 1684.3 | 1685.0 |
| 27.5° | 1641.9 | 1642.4 | 1637.8 | 1641.9 | 1641.2 |
| 30°   | 1593.9 | 1598.1 | 1592.0 | 1590.5 | 1590.0 |
| 32.5° | 1544.2 | 1544.7 | 1538.8 | 1537.4 | 1540.1 |
| 35°   | 1486.9 | 1487.4 | 1483.5 | 1481.5 | 1477.4 |
| 37.5° | 1424.2 | 1424.2 | 1416.6 | 1415.4 | 1414.7 |
| 40°   | 1355.4 | 1354.7 | 1350.0 | 1345.4 | 1340.5 |
| 42.5° | 1280.5 | 1282.0 | 1272.4 | 1264.3 | 1263.1 |
| 45°   | 1198.9 | 1194.3 | 1185.5 | 1176.2 | 1176.9 |
| 47.5° | 1102.7 | 1103.9 | 1091.9 | 1084.3 | 1082.4 |
| 50°   | 1002.8 | 1002.8 | 991.5  | 983.4  | 979.3  |
| 52.5° | 898.5  | 899.2  | 888.4  | 877.7  | 875.5  |
| 55°   | 792.0  | 798.6  | 788.5  | 775.8  | 773.1  |
| 57.5° | 692.3  | 697.7  | 688.1  | 674.7  | 673.9  |
| 60°   | 600.0  | 600.5  | 597.8  | 585.0  | 581.6  |
| 62.5° | 521.1  | 517.7  | 516.2  | 509.6  | 505.4  |
| 65°   | 446.9  | 447.6  | 444.2  | 436.6  | 435.4  |
| 67.5° | 386.9  | 386.2  | 380.1  | 375.4  | 372.7  |
| 70°   | 328.1  | 326.2  | 323.5  | 319.6  | 316.9  |
| 72.5° | 275.7  | 275.7  | 273.5  | 272.3  | 267.7  |
| 75°   | 229.9  | 227.3  | 224.6  | 225.8  | 220.4  |
| 77.5° | 186.1  | 183.4  | 181.2  | 178.5  | 177.3  |
| 80°   | 140.8  | 138.1  | 138.8  | 134.7  | 134.2  |
| 82.5° | 97.7   | 97.7   | 96.5   | 93.1   | 93.8   |
| 85°   | 55.8   | 56.6   | 55.3   | 55.8   | 53.1   |
| 87.5° | 20.3   | 20.8   | 22.3   | 20.8   | 20.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)