

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: P1050088

Luminaire Tested: PTR-14-20-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050088  
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-14-20-L935-UNV-STD-W  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

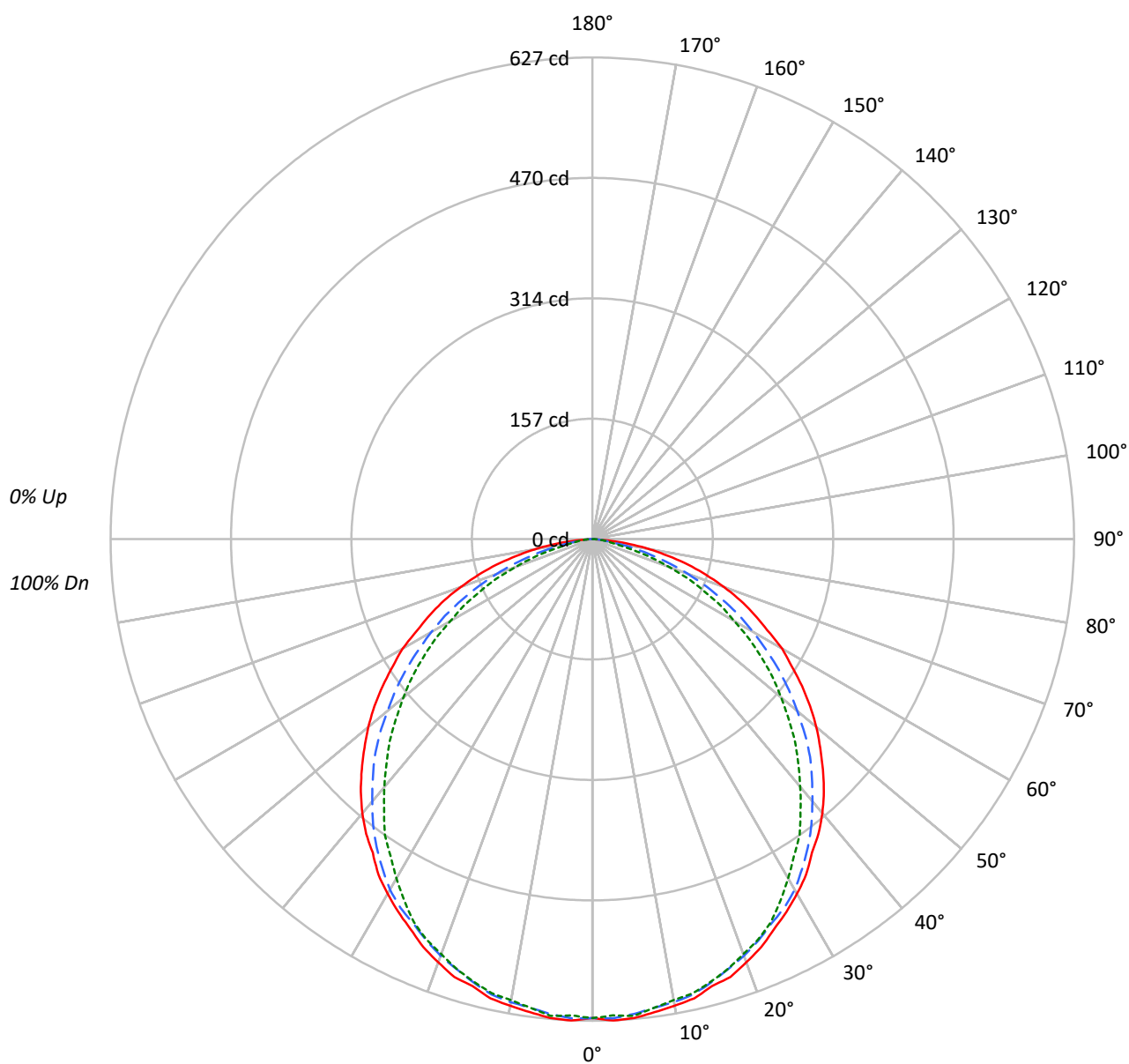
Lumens per Lamp: N/A  
Luminaire Lumens: 1660.7 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 87  | 81  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |    |    |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  |    |    |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 52  |    |    |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 45  |    |    |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 42  | 54  | 47  | 42  | 52  | 46  | 42  | 40  |    |    |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 35  |    |    |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 33  | 44  | 38  | 33  | 31  |    |    |
| 9   | 57  | 44  | 36  | 31  | 56  | 44  | 36  | 30  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 28  |    |    |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 27  | 37  | 32  | 27  | 26  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1678 | 1678 | 1678 |
| 5°  | 1690 | 1676 | 1683 |
| 10° | 1685 | 1672 | 1665 |
| 15° | 1678 | 1665 | 1662 |
| 20° | 1679 | 1653 | 1646 |
| 25° | 1663 | 1638 | 1633 |
| 30° | 1656 | 1637 | 1584 |
| 35° | 1637 | 1608 | 1546 |
| 40° | 1636 | 1565 | 1479 |
| 45° | 1615 | 1525 | 1420 |
| 50° | 1593 | 1456 | 1343 |
| 55° | 1563 | 1389 | 1261 |
| 60° | 1535 | 1299 | 1145 |
| 65° | 1482 | 1192 | 1024 |
| 70° | 1434 | 1037 | 836  |
| 75° | 1347 | 818  | 575  |
| 80° | 1168 | 494  | 346  |
| 85° | 781  | 355  | 333  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1615 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.1   | 3.6       |
| 10°-20°   | 169.1  | 10.2      |
| 20°-30°   | 255.4  | 15.4      |
| 30°-40°   | 303.7  | 18.3      |
| 40°-50°   | 308.0  | 18.5      |
| 50°-60°   | 267.5  | 16.1      |
| 60°-70°   | 189.9  | 11.4      |
| 70°-80°   | 90.7   | 5.5       |
| 80°-90°   | 17.2   | 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°    | 483.7  | 29.1      |
| 0°-40°    | 787.4  | 47.4      |
| 0°-60°    | 1362.9 | 82.1      |
| 0°-90°    | 1660.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1660.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 624 | 624   | 624 | 624   | 624 |      |
| 5°  | 626 | 624   | 620 | 622   | 623 | 59   |
| 15° | 602 | 604   | 598 | 597   | 596 | 171  |
| 25° | 560 | 559   | 552 | 554   | 550 | 259  |
| 35° | 498 | 498   | 489 | 473   | 470 | 313  |
| 45° | 424 | 421   | 401 | 380   | 373 | 327  |
| 55° | 333 | 323   | 296 | 278   | 269 | 298  |
| 65° | 233 | 215   | 187 | 167   | 161 | 231  |
| 75° | 130 | 106   | 79  | 62    | 55  | 136  |
| 85° | 25  | 13    | 12  | 11    | 11  | 32   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 623.5 | 623.5 | 623.5 | 623.5 | 623.5 |
| 2.5°  | 627.2 | 625.0 | 624.2 | 626.8 | 620.5 |
| 5°    | 625.7 | 623.5 | 620.5 | 622.0 | 623.1 |
| 7.5°  | 621.2 | 619.4 | 615.3 | 618.6 | 615.3 |
| 10°   | 616.8 | 614.9 | 612.0 | 613.1 | 609.4 |
| 12.5° | 612.3 | 607.9 | 607.1 | 607.9 | 605.3 |
| 15°   | 602.3 | 603.8 | 597.5 | 596.7 | 596.4 |
| 17.5° | 597.5 | 593.8 | 587.1 | 587.5 | 586.7 |
| 20°   | 586.3 | 581.9 | 577.1 | 576.3 | 574.8 |
| 22.5° | 574.8 | 569.6 | 565.2 | 567.4 | 564.1 |
| 25°   | 560.0 | 559.2 | 551.8 | 554.0 | 549.9 |
| 27.5° | 547.0 | 544.4 | 541.0 | 536.2 | 530.3 |
| 30°   | 532.9 | 530.3 | 526.9 | 514.3 | 509.8 |
| 32.5° | 518.0 | 515.0 | 508.4 | 493.5 | 488.7 |
| 35°   | 498.3 | 497.6 | 489.4 | 472.7 | 470.5 |
| 37.5° | 483.5 | 475.3 | 468.6 | 451.5 | 445.2 |
| 40°   | 465.7 | 461.2 | 445.6 | 429.3 | 421.1 |
| 42.5° | 446.0 | 440.8 | 423.0 | 405.5 | 396.6 |
| 45°   | 424.4 | 420.7 | 400.7 | 379.5 | 373.2 |
| 47.5° | 402.2 | 398.8 | 375.0 | 354.6 | 346.5 |
| 50°   | 380.6 | 376.5 | 347.9 | 328.3 | 320.8 |
| 52.5° | 357.2 | 350.5 | 322.3 | 303.0 | 296.0 |
| 55°   | 333.1 | 323.1 | 296.0 | 278.5 | 268.8 |
| 57.5° | 307.5 | 298.2 | 268.1 | 249.9 | 242.1 |
| 60°   | 285.2 | 272.2 | 241.4 | 222.8 | 212.8 |
| 62.5° | 256.6 | 245.5 | 216.1 | 194.2 | 189.4 |
| 65°   | 232.8 | 215.4 | 187.2 | 167.1 | 160.8 |
| 67.5° | 208.7 | 188.3 | 159.7 | 139.3 | 135.9 |
| 70°   | 182.3 | 161.2 | 131.8 | 111.8 | 106.2 |
| 72.5° | 155.6 | 134.8 | 106.2 | 85.0  | 81.7  |
| 75°   | 129.6 | 105.8 | 78.7  | 62.4  | 55.3  |
| 77.5° | 101.4 | 79.8  | 55.3  | 38.2  | 33.8  |
| 80°   | 75.4  | 53.8  | 31.9  | 22.7  | 22.3  |
| 82.5° | 49.4  | 31.2  | 17.1  | 17.5  | 16.7  |
| 85°   | 25.3  | 13.4  | 11.5  | 11.1  | 10.8  |
| 87.5° | 4.8   | 5.2   | 5.6   | 5.6   | 5.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |









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





(END OF REPORT)