

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: P1050232

Luminaire Tested: PTR-14-20-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050232  
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-14-20-PL1-L930-UNV-STD-W  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source:  
Ballast/Driver: -

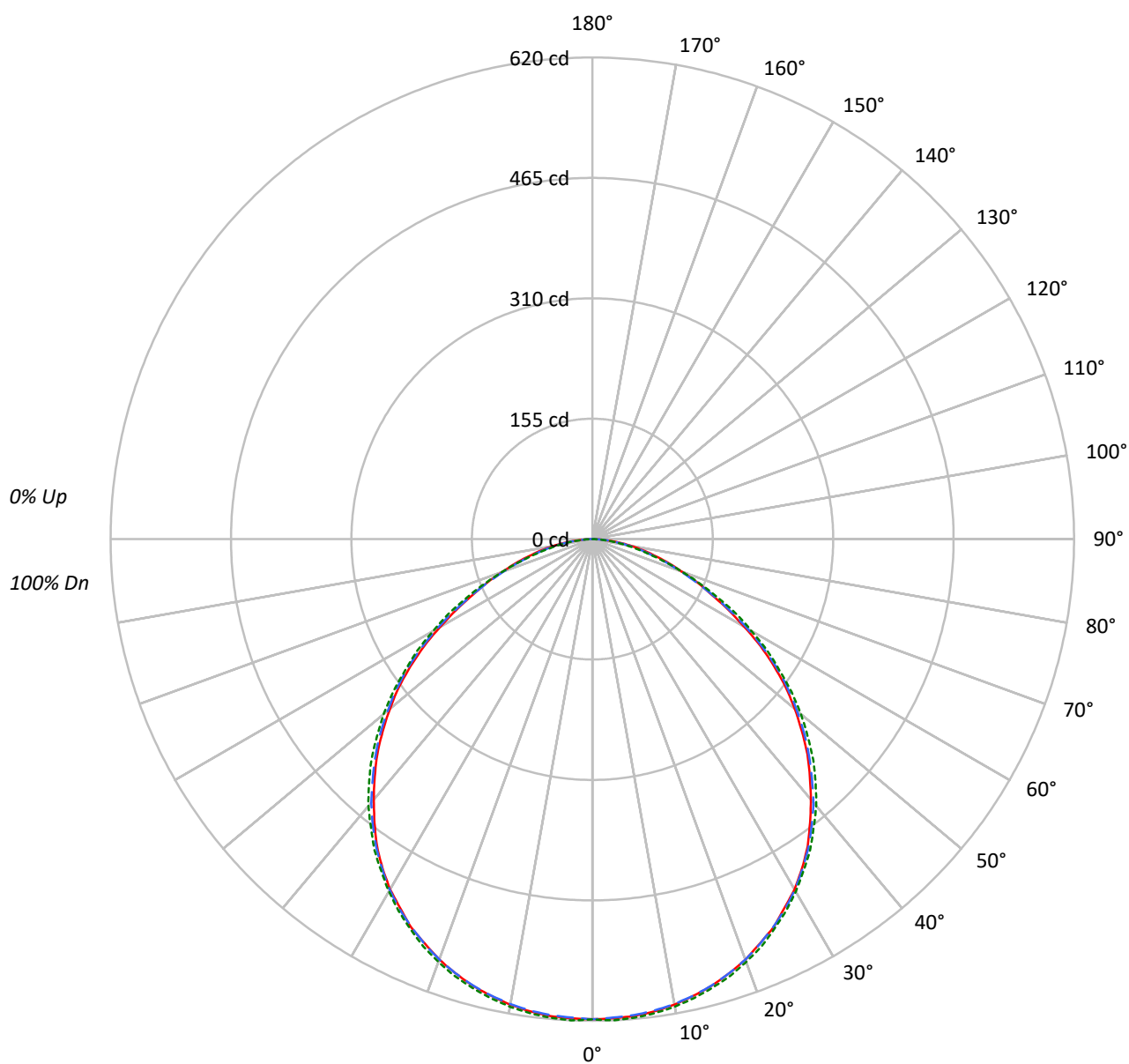
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1629.1 lumens  
Efficiency: N/A  
Efficacy: 101.8 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): 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 | 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°  | 1663 | 1663 | 1663 |
| 5°  | 1665 | 1661 | 1671 |
| 10° | 1662 | 1661 | 1670 |
| 15° | 1657 | 1657 | 1665 |
| 20° | 1649 | 1649 | 1658 |
| 25° | 1638 | 1636 | 1645 |
| 30° | 1617 | 1620 | 1627 |
| 35° | 1586 | 1592 | 1605 |
| 40° | 1537 | 1555 | 1575 |
| 45° | 1489 | 1502 | 1530 |
| 50° | 1424 | 1439 | 1467 |
| 55° | 1341 | 1362 | 1378 |
| 60° | 1216 | 1242 | 1273 |
| 65° | 1081 | 1092 | 1136 |
| 70° | 965  | 946  | 969  |
| 75° | 871  | 821  | 805  |
| 80° | 792  | 735  | 652  |
| 85° | 670  | 608  | 525  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1530 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.6   | 3.6       |
| 10°-20°   | 168.1  | 10.3      |
| 20°-30°   | 254.3  | 15.6      |
| 30°-40°   | 303.2  | 18.6      |
| 40°-50°   | 304.9  | 18.7      |
| 50°-60°   | 258.7  | 15.9      |
| 60°-70°   | 172.3  | 10.6      |
| 70°-80°   | 86.0   | 5.3       |
| 80°-90°   | 23.0   | 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°    | 481.1  | 29.5      |
| 0°-40°    | 784.3  | 48.1      |
| 0°-60°    | 1347.8 | 82.7      |
| 0°-90°    | 1629.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1629.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 618 | 618   | 618 | 618   | 618 |      |
| 5°  | 616 | 616   | 615 | 618   | 618 | 59   |
| 15° | 595 | 596   | 595 | 597   | 598 | 168  |
| 25° | 552 | 552   | 551 | 554   | 554 | 254  |
| 35° | 483 | 483   | 485 | 488   | 489 | 301  |
| 45° | 391 | 392   | 395 | 400   | 402 | 301  |
| 55° | 286 | 288   | 290 | 293   | 294 | 255  |
| 65° | 170 | 171   | 172 | 174   | 178 | 170  |
| 75° | 84  | 83    | 79  | 77    | 77  | 90   |
| 85° | 22  | 21    | 20  | 19    | 17  | 25   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 618.0 | 618.0 | 618.0 | 618.0 | 618.0 |
| 2.5°  | 617.5 | 618.0 | 616.4 | 619.4 | 620.1 |
| 5°    | 616.2 | 616.4 | 615.0 | 617.8 | 618.5 |
| 7.5°  | 613.2 | 613.5 | 612.0 | 615.0 | 615.5 |
| 10°   | 608.4 | 608.9 | 607.7 | 610.5 | 611.1 |
| 12.5° | 602.2 | 602.9 | 601.7 | 604.7 | 605.2 |
| 15°   | 594.9 | 595.6 | 594.7 | 597.2 | 597.7 |
| 17.5° | 585.9 | 586.4 | 585.9 | 588.3 | 589.6 |
| 20°   | 575.9 | 575.9 | 575.9 | 577.9 | 579.1 |
| 22.5° | 563.3 | 564.5 | 564.0 | 566.7 | 567.9 |
| 25°   | 551.6 | 551.6 | 550.9 | 553.5 | 553.9 |
| 27.5° | 535.3 | 537.2 | 537.0 | 539.2 | 539.7 |
| 30°   | 520.4 | 520.9 | 521.2 | 522.8 | 523.7 |
| 32.5° | 502.4 | 502.8 | 503.5 | 505.8 | 506.0 |
| 35°   | 482.9 | 483.4 | 484.7 | 488.2 | 488.7 |
| 37.5° | 460.3 | 462.8 | 463.9 | 467.6 | 468.0 |
| 40°   | 437.6 | 439.1 | 442.6 | 446.5 | 448.3 |
| 42.5° | 414.4 | 416.3 | 418.3 | 423.6 | 425.3 |
| 45°   | 391.3 | 392.0 | 394.6 | 399.8 | 402.1 |
| 47.5° | 365.7 | 367.8 | 370.0 | 374.6 | 376.0 |
| 50°   | 340.1 | 342.3 | 343.7 | 347.8 | 350.5 |
| 52.5° | 314.2 | 316.3 | 317.8 | 320.3 | 323.1 |
| 55°   | 285.8 | 287.8 | 290.4 | 293.1 | 293.8 |
| 57.5° | 256.9 | 259.2 | 260.8 | 263.8 | 266.8 |
| 60°   | 226.0 | 228.6 | 230.8 | 233.6 | 236.5 |
| 62.5° | 197.2 | 198.3 | 200.6 | 205.2 | 209.5 |
| 65°   | 169.7 | 171.1 | 171.5 | 174.1 | 178.4 |
| 67.5° | 146.8 | 146.8 | 144.7 | 145.6 | 150.4 |
| 70°   | 122.7 | 121.8 | 120.2 | 119.3 | 123.2 |
| 72.5° | 103.3 | 102.1 | 98.7  | 97.1  | 99.2  |
| 75°   | 83.8  | 82.6  | 79.0  | 77.1  | 77.4  |
| 77.5° | 67.3  | 65.5  | 62.5  | 59.3  | 58.7  |
| 80°   | 51.1  | 50.3  | 47.4  | 44.4  | 42.1  |
| 82.5° | 36.2  | 34.6  | 32.9  | 31.1  | 29.3  |
| 85°   | 21.7  | 21.3  | 19.7  | 18.6  | 17.0  |
| 87.5° | 8.9   | 8.9   | 8.5   | 8.0   | 7.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |









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





(END OF REPORT)