

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: P1050674

Luminaire Tested: 24PTR-20-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050674  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-20-PC3-L935-UNV-STD-W  
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source:  
Ballast/Driver: -

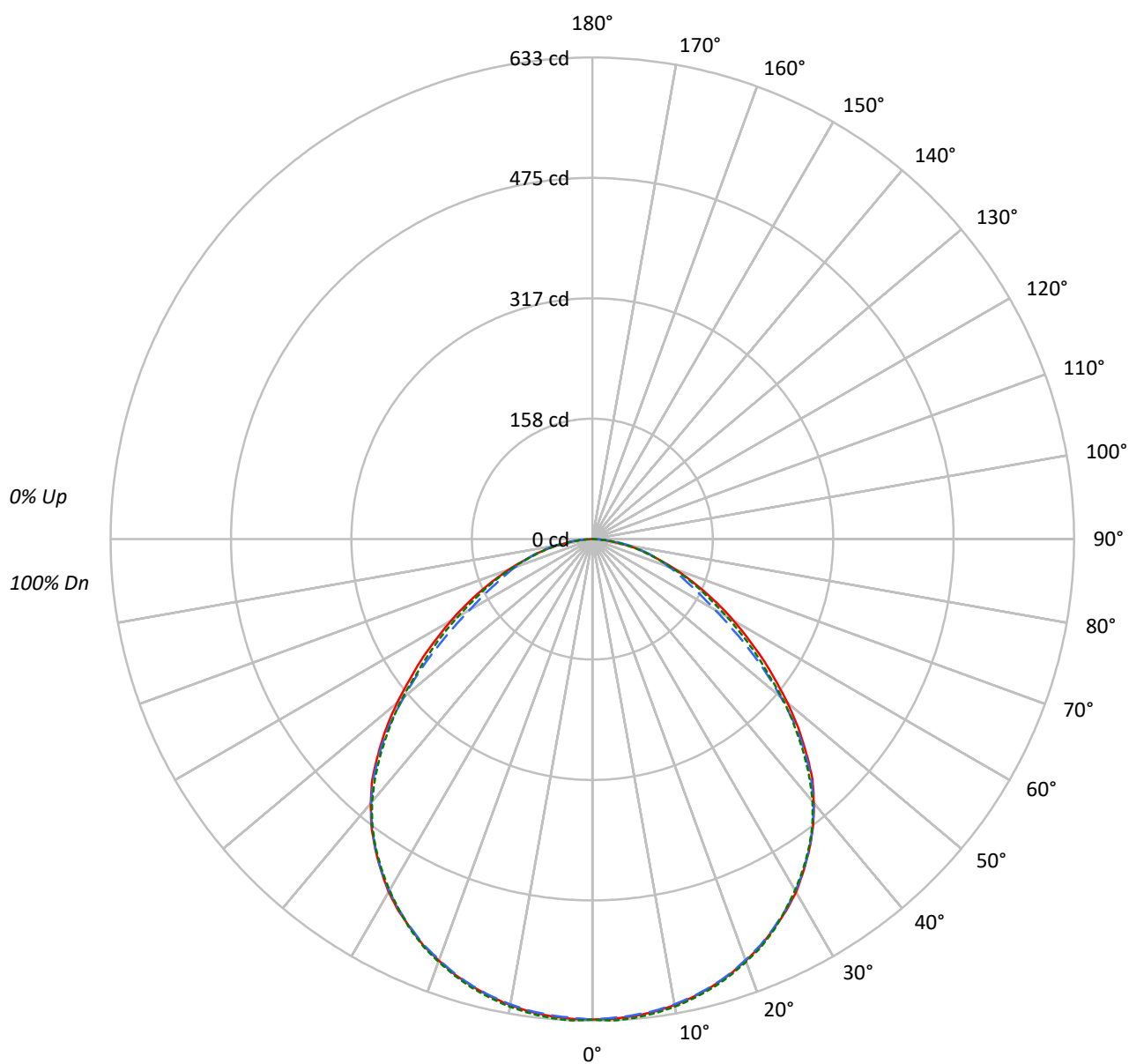
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1591.8 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 15  
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  | 87  | 85  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 72  |    |    |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  | 77  | 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  | 46  | 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  | 40  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |

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

|     | 0°  | 45° | 90° |
|-----|-----|-----|-----|
| 0°  | 850 | 850 | 850 |
| 5°  | 850 | 848 | 853 |
| 10° | 850 | 848 | 853 |
| 15° | 848 | 847 | 851 |
| 20° | 844 | 843 | 846 |
| 25° | 838 | 837 | 840 |
| 30° | 832 | 829 | 828 |
| 35° | 817 | 816 | 815 |
| 40° | 795 | 794 | 790 |
| 45° | 756 | 751 | 743 |
| 50° | 700 | 677 | 684 |
| 55° | 639 | 587 | 613 |
| 60° | 576 | 501 | 549 |
| 65° | 515 | 448 | 494 |
| 70° | 457 | 424 | 444 |
| 75° | 404 | 411 | 396 |
| 80° | 349 | 392 | 346 |
| 85° | 261 | 310 | 261 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 758 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.9   | 3.8       |
| 10°-20°   | 171.9  | 10.8      |
| 20°-30°   | 260.2  | 16.3      |
| 30°-40°   | 310.3  | 19.5      |
| 40°-50°   | 303.2  | 19.0      |
| 50°-60°   | 231.8  | 14.6      |
| 60°-70°   | 148.8  | 9.4       |
| 70°-80°   | 82.8   | 5.2       |
| 80°-90°   | 22.9   | 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°    | 492.0  | 30.9      |
| 0°-40°    | 802.3  | 50.4      |
| 0°-60°    | 1337.3 | 84.0      |
| 0°-90°    | 1591.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1591.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 631 | 631   | 631 | 631   | 631 |      |
| 5°  | 629 | 630   | 628 | 631   | 632 | 60   |
| 15° | 609 | 609   | 608 | 610   | 611 | 172  |
| 25° | 565 | 565   | 564 | 566   | 566 | 260  |
| 35° | 497 | 498   | 497 | 497   | 496 | 311  |
| 45° | 397 | 398   | 394 | 394   | 390 | 306  |
| 55° | 272 | 263   | 250 | 253   | 262 | 243  |
| 65° | 162 | 149   | 141 | 145   | 155 | 161  |
| 75° | 78  | 78    | 79  | 78    | 76  | 83   |
| 85° | 17  | 20    | 20  | 19    | 17  | 21   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 631.4 | 631.4 | 631.4 | 631.4 | 631.4 |
| 2.5°  | 631.0 | 631.2 | 629.6 | 632.3 | 633.2 |
| 5°    | 629.2 | 629.6 | 628.0 | 631.0 | 631.6 |
| 7.5°  | 626.4 | 626.9 | 625.3 | 628.3 | 628.5 |
| 10°   | 621.9 | 622.2 | 620.8 | 623.7 | 624.2 |
| 12.5° | 615.9 | 616.5 | 615.0 | 617.7 | 617.8 |
| 15°   | 608.6 | 609.1 | 607.9 | 610.0 | 610.6 |
| 17.5° | 600.0 | 600.3 | 599.1 | 601.3 | 601.6 |
| 20°   | 589.4 | 589.4 | 588.5 | 591.0 | 591.0 |
| 22.5° | 578.5 | 577.9 | 577.6 | 578.5 | 579.9 |
| 25°   | 564.6 | 565.2 | 563.7 | 565.5 | 565.9 |
| 27.5° | 551.0 | 551.0 | 549.7 | 550.6 | 549.4 |
| 30°   | 535.5 | 534.6 | 533.7 | 533.8 | 532.7 |
| 32.5° | 516.7 | 516.7 | 516.3 | 516.3 | 514.9 |
| 35°   | 497.3 | 497.7 | 496.8 | 496.6 | 495.9 |
| 37.5° | 476.5 | 477.2 | 475.6 | 475.1 | 474.7 |
| 40°   | 452.8 | 452.8 | 452.1 | 451.2 | 450.0 |
| 42.5° | 428.1 | 428.1 | 425.3 | 423.0 | 421.4 |
| 45°   | 397.4 | 398.4 | 394.5 | 393.6 | 390.5 |
| 47.5° | 366.9 | 366.3 | 361.1 | 360.4 | 358.6 |
| 50°   | 334.4 | 330.6 | 323.2 | 325.2 | 326.8 |
| 52.5° | 301.9 | 297.2 | 286.4 | 288.6 | 291.3 |
| 55°   | 272.3 | 262.9 | 250.3 | 253.4 | 261.5 |
| 57.5° | 241.4 | 228.8 | 216.1 | 222.0 | 232.1 |
| 60°   | 214.1 | 199.9 | 186.1 | 192.4 | 204.1 |
| 62.5° | 187.9 | 172.8 | 161.7 | 167.8 | 177.7 |
| 65°   | 161.7 | 149.2 | 140.7 | 145.4 | 155.2 |
| 67.5° | 137.8 | 129.4 | 123.6 | 125.8 | 133.7 |
| 70°   | 116.1 | 110.8 | 107.7 | 108.4 | 112.9 |
| 72.5° | 95.5  | 94.2  | 93.0  | 93.0  | 93.5  |
| 75°   | 77.7  | 78.4  | 79.0  | 77.9  | 76.1  |
| 77.5° | 61.2  | 63.4  | 65.1  | 62.8  | 60.6  |
| 80°   | 45.0  | 48.6  | 50.6  | 48.1  | 44.7  |
| 82.5° | 30.7  | 34.8  | 35.4  | 33.9  | 30.0  |
| 85°   | 16.9  | 19.9  | 20.1  | 19.4  | 16.9  |
| 87.5° | 6.3   | 7.5   | 8.1   | 7.5   | 6.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |







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





(END OF REPORT)