

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: P1050982

Luminaire Tested: 24PTR-20-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050982  
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: 24PTR-20-PR1-L935-UNV-STD-W  
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS  
  
Light Source:  
Ballast/Driver: -

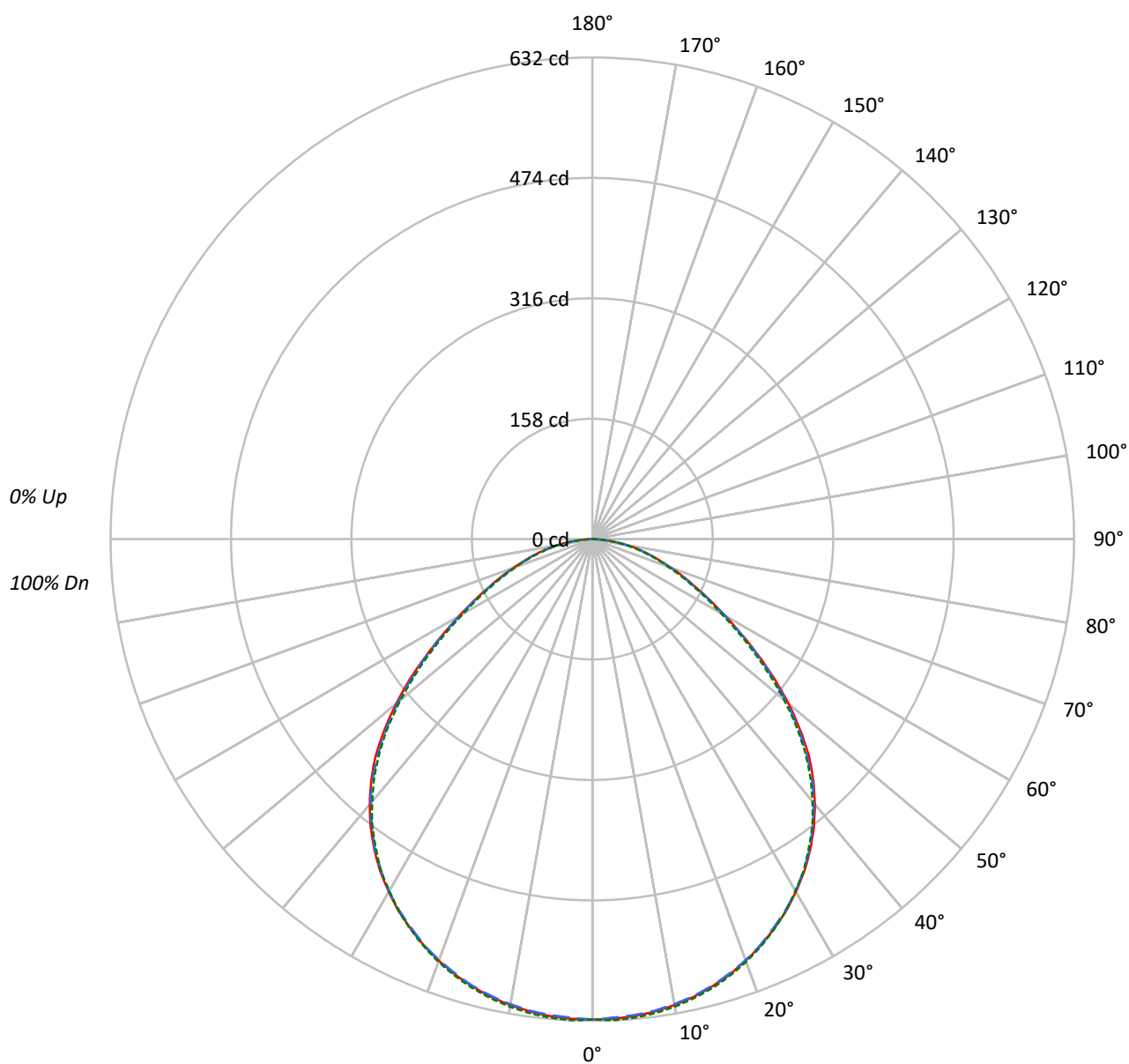
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1593.7 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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  | 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°  | 848 | 848 | 848 |
| 5°  | 849 | 847 | 851 |
| 10° | 848 | 847 | 851 |
| 15° | 846 | 845 | 849 |
| 20° | 843 | 842 | 845 |
| 25° | 837 | 835 | 838 |
| 30° | 830 | 829 | 828 |
| 35° | 818 | 817 | 813 |
| 40° | 798 | 795 | 789 |
| 45° | 765 | 756 | 750 |
| 50° | 704 | 696 | 687 |
| 55° | 623 | 620 | 608 |
| 60° | 541 | 539 | 524 |
| 65° | 477 | 474 | 465 |
| 70° | 433 | 426 | 418 |
| 75° | 401 | 391 | 384 |
| 80° | 366 | 360 | 349 |
| 85° | 289 | 286 | 275 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 45°  
Luminance: 765 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.8   | 3.8       |
| 10°-20°   | 171.6  | 10.8      |
| 20°-30°   | 259.9  | 16.3      |
| 30°-40°   | 310.3  | 19.5      |
| 40°-50°   | 305.2  | 19.1      |
| 50°-60°   | 235.8  | 14.8      |
| 60°-70°   | 148.7  | 9.3       |
| 70°-80°   | 80.5   | 5.0       |
| 80°-90°   | 22.0   | 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°    | 491.3  | 30.8      |
| 0°-40°    | 801.6  | 50.3      |
| 0°-60°    | 1342.6 | 84.2      |
| 0°-90°    | 1593.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1593.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 630 | 630   | 630 | 630   | 630 |      |
| 5°  | 628 | 629   | 627 | 630   | 630 | 60   |
| 15° | 608 | 608   | 607 | 609   | 610 | 171  |
| 25° | 564 | 564   | 563 | 564   | 565 | 260  |
| 35° | 498 | 498   | 497 | 496   | 495 | 311  |
| 45° | 402 | 400   | 397 | 394   | 394 | 308  |
| 55° | 265 | 268   | 264 | 260   | 259 | 238  |
| 65° | 150 | 150   | 149 | 146   | 146 | 151  |
| 75° | 77  | 76    | 75  | 76    | 74  | 82   |
| 85° | 19  | 19    | 18  | 19    | 18  | 22   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 630.2 | 630.2 | 630.2 | 630.2 | 630.2 |
| 2.5°  | 629.9 | 630.2 | 628.4 | 631.3 | 632.0 |
| 5°    | 628.4 | 628.6 | 627.0 | 629.7 | 630.4 |
| 7.5°  | 625.2 | 625.7 | 624.1 | 626.8 | 627.5 |
| 10°   | 620.7 | 621.1 | 619.6 | 622.3 | 623.0 |
| 12.5° | 615.1 | 615.2 | 613.9 | 616.4 | 617.0 |
| 15°   | 607.6 | 607.8 | 606.7 | 608.7 | 609.6 |
| 17.5° | 599.0 | 599.2 | 597.7 | 600.1 | 600.6 |
| 20°   | 588.7 | 588.8 | 587.9 | 590.0 | 590.2 |
| 22.5° | 577.1 | 577.6 | 576.2 | 578.0 | 578.2 |
| 25°   | 564.0 | 564.4 | 562.6 | 564.4 | 564.7 |
| 27.5° | 550.2 | 550.4 | 548.9 | 550.2 | 550.0 |
| 30°   | 534.2 | 535.6 | 533.5 | 533.0 | 532.8 |
| 32.5° | 517.5 | 517.7 | 515.7 | 515.2 | 516.1 |
| 35°   | 498.3 | 498.5 | 497.1 | 496.5 | 495.1 |
| 37.5° | 477.3 | 477.3 | 474.7 | 474.3 | 474.1 |
| 40°   | 454.2 | 454.0 | 452.4 | 450.9 | 449.2 |
| 42.5° | 429.1 | 429.6 | 426.4 | 423.7 | 423.3 |
| 45°   | 401.8 | 400.2 | 397.3 | 394.2 | 394.4 |
| 47.5° | 369.5 | 369.9 | 365.9 | 363.4 | 362.7 |
| 50°   | 336.1 | 336.1 | 332.3 | 329.6 | 328.2 |
| 52.5° | 301.1 | 301.3 | 297.7 | 294.1 | 293.4 |
| 55°   | 265.4 | 267.6 | 264.2 | 260.0 | 259.1 |
| 57.5° | 232.0 | 233.8 | 230.6 | 226.1 | 225.8 |
| 60°   | 201.1 | 201.2 | 200.3 | 196.1 | 194.9 |
| 62.5° | 174.6 | 173.5 | 173.0 | 170.8 | 169.4 |
| 65°   | 149.8 | 150.0 | 148.9 | 146.3 | 145.9 |
| 67.5° | 129.7 | 129.4 | 127.4 | 125.8 | 124.9 |
| 70°   | 110.0 | 109.3 | 108.4 | 107.1 | 106.2 |
| 72.5° | 92.4  | 92.4  | 91.7  | 91.3  | 89.7  |
| 75°   | 77.1  | 76.2  | 75.3  | 75.7  | 73.9  |
| 77.5° | 62.4  | 61.5  | 60.7  | 59.8  | 59.4  |
| 80°   | 47.2  | 46.3  | 46.5  | 45.1  | 45.0  |
| 82.5° | 32.7  | 32.7  | 32.3  | 31.2  | 31.4  |
| 85°   | 18.7  | 19.0  | 18.5  | 18.7  | 17.8  |
| 87.5° | 6.8   | 7.0   | 7.5   | 7.0   | 7.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |









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





(END OF REPORT)