

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: P1046875

Luminaire Tested: 22PTR-20-PLG-L940-UNV-STD-W

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046875  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/10/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22PTR-20-PLG-L940-UNV-STD-W  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

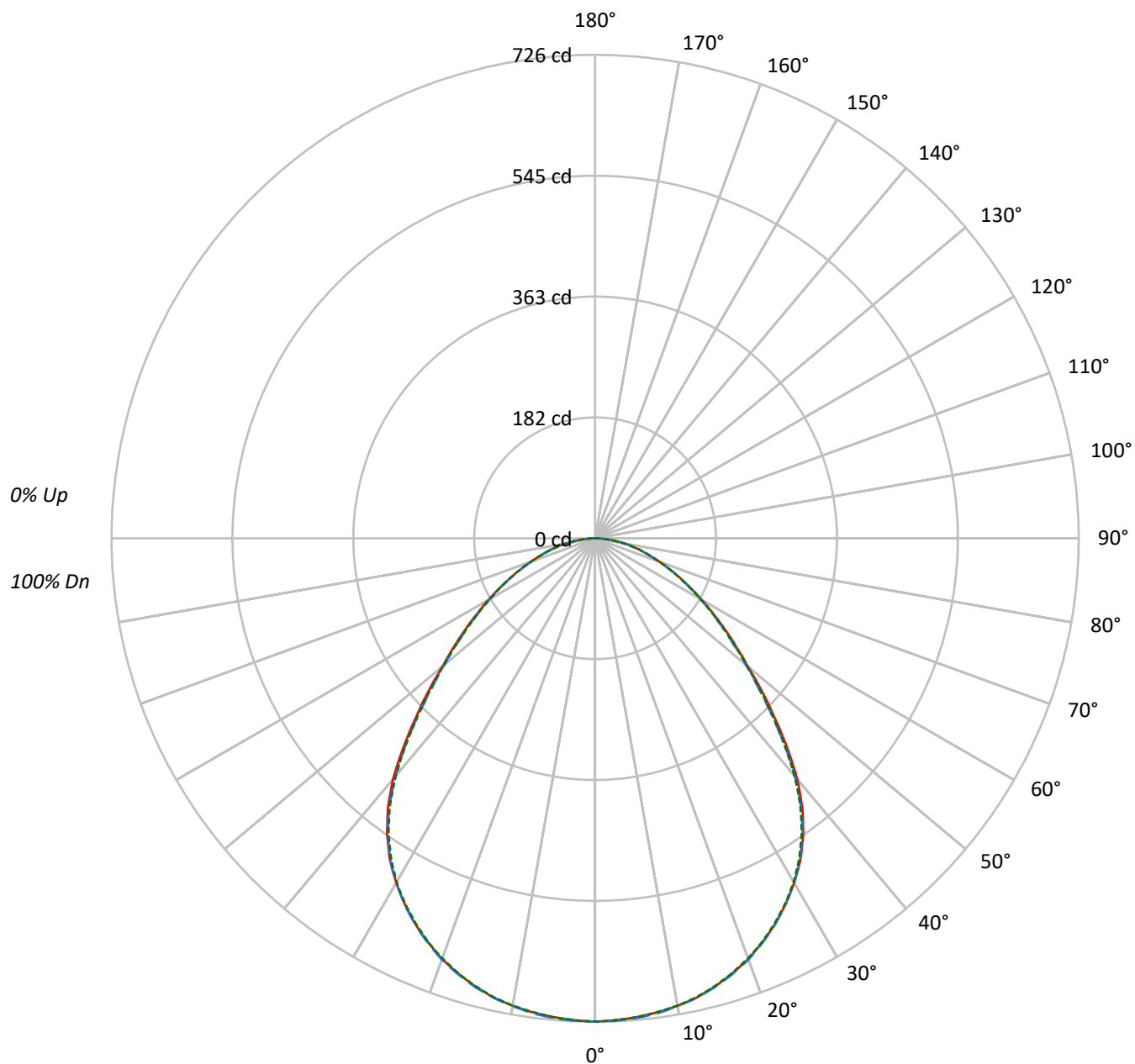
Lumens per Lamp: N/A  
Luminaire Lumens: 1635.5 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct

Input Watts (W): 15  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |    |    |
| 2   | 101 | 94  | 87  | 82  | 99  | 92  | 86  | 81  | 88  | 84  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 74  |    |    |
| 3   | 93  | 83  | 76  | 70  | 91  | 82  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  |    |    |
| 4   | 86  | 75  | 67  | 60  | 84  | 73  | 66  | 60  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 56  |    |    |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 51  | 61  | 55  | 51  | 49  |    |    |
| 6   | 74  | 61  | 53  | 47  | 72  | 60  | 52  | 47  | 58  | 51  | 46  | 57  | 51  | 46  | 55  | 50  | 45  | 43  |    |    |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 47  | 42  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 39  |    |    |
| 8   | 64  | 51  | 43  | 38  | 62  | 51  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  |    |    |
| 9   | 60  | 47  | 39  | 34  | 59  | 47  | 39  | 34  | 46  | 39  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 40  | 35  | 31  | 29  |    |    |

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

|     | 0°                                                                                                             | 45° | 90° |
|-----|----------------------------------------------------------------------------------------------------------------|-----|-----|
| 0°  | Luminous shape not found,<br>reference photometric report, or contact<br>the photometric lab for calculations. |     |     |
| 5°  |                                                                                                                |     |     |
| 10° |                                                                                                                |     |     |
| 15° |                                                                                                                |     |     |
| 20° |                                                                                                                |     |     |
| 25° |                                                                                                                |     |     |
| 30° |                                                                                                                |     |     |
| 35° |                                                                                                                |     |     |
| 40° |                                                                                                                |     |     |
| 45° |                                                                                                                |     |     |
| 50° |                                                                                                                |     |     |
| 55° |                                                                                                                |     |     |
| 60° |                                                                                                                |     |     |
| 65° |                                                                                                                |     |     |
| 70° |                                                                                                                |     |     |
| 75° |                                                                                                                |     |     |
| 80° |                                                                                                                |     |     |
| 85° |                                                                                                                |     |     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.7   | 4.2       |
| 10°-20°   | 196.6  | 12.0      |
| 20°-30°   | 294.2  | 18.0      |
| 30°-40°   | 337.1  | 20.6      |
| 40°-50°   | 291.5  | 17.8      |
| 50°-60°   | 211.0  | 12.9      |
| 60°-70°   | 139.0  | 8.5       |
| 70°-80°   | 75.7   | 4.6       |
| 80°-90°   | 21.7   | 1.3       |
| 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°    | 559.6  | 34.2      |
| 0°-40°    | 896.6  | 54.8      |
| 0°-60°    | 1399.2 | 85.6      |
| 0°-90°    | 1635.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1635.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 726 | 726   | 726 | 726   | 726 |      |
| 5°  | 722 | 723   | 723 | 723   | 722 | 69   |
| 15° | 696 | 697   | 698 | 698   | 696 | 196  |
| 25° | 639 | 639   | 640 | 640   | 638 | 294  |
| 35° | 544 | 544   | 543 | 542   | 540 | 338  |
| 45° | 381 | 380   | 374 | 374   | 376 | 295  |
| 55° | 237 | 236   | 233 | 232   | 234 | 213  |
| 65° | 140 | 141   | 139 | 138   | 140 | 140  |
| 75° | 72  | 72    | 71  | 71    | 72  | 76   |
| 85° | 19  | 19    | 19  | 20    | 17  | 22   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 725.8 | 725.8 | 725.8 | 725.8 | 725.8 |
| 2.5°  | 724.3 | 725.8 | 725.3 | 725.8 | 724.3 |
| 5°    | 721.7 | 723.2 | 723.2 | 723.2 | 722.2 |
| 7.5°  | 718.1 | 719.1 | 719.6 | 720.2 | 717.6 |
| 10°   | 712.9 | 714.0 | 713.5 | 714.5 | 712.4 |
| 12.5° | 706.2 | 706.2 | 706.8 | 707.8 | 705.7 |
| 15°   | 696.5 | 697.0 | 697.5 | 698.5 | 695.9 |
| 17.5° | 685.1 | 685.6 | 686.2 | 686.7 | 684.6 |
| 20°   | 672.2 | 672.2 | 673.3 | 673.8 | 671.2 |
| 22.5° | 656.3 | 656.3 | 657.3 | 658.9 | 655.8 |
| 25°   | 639.3 | 639.3 | 639.8 | 640.3 | 637.7 |
| 27.5° | 619.2 | 619.2 | 619.7 | 621.2 | 618.2 |
| 30°   | 597.5 | 597.0 | 597.5 | 598.1 | 596.0 |
| 32.5° | 573.3 | 572.8 | 572.3 | 572.8 | 570.2 |
| 35°   | 544.5 | 544.0 | 542.9 | 542.4 | 540.4 |
| 37.5° | 511.0 | 510.0 | 507.9 | 507.9 | 505.9 |
| 40°   | 471.9 | 469.3 | 466.7 | 465.7 | 465.2 |
| 42.5° | 426.5 | 424.5 | 420.9 | 420.3 | 420.3 |
| 45°   | 380.7 | 379.7 | 374.5 | 374.0 | 376.0 |
| 47.5° | 339.5 | 336.9 | 332.3 | 331.2 | 334.3 |
| 50°   | 298.8 | 299.3 | 295.2 | 293.6 | 296.7 |
| 52.5° | 266.8 | 265.8 | 262.2 | 261.2 | 263.7 |
| 55°   | 237.0 | 235.9 | 233.4 | 231.8 | 233.9 |
| 57.5° | 209.7 | 209.1 | 206.6 | 206.1 | 207.1 |
| 60°   | 184.9 | 184.4 | 182.4 | 181.8 | 182.4 |
| 62.5° | 161.8 | 161.8 | 159.7 | 158.7 | 160.2 |
| 65°   | 140.1 | 141.1 | 139.1 | 138.1 | 139.6 |
| 67.5° | 120.5 | 121.6 | 119.5 | 118.5 | 120.5 |
| 70°   | 102.0 | 103.0 | 101.0 | 99.9  | 102.0 |
| 72.5° | 86.0  | 86.5  | 85.0  | 84.5  | 87.1  |
| 75°   | 71.6  | 71.6  | 70.6  | 70.6  | 71.6  |
| 77.5° | 58.2  | 57.7  | 57.2  | 57.2  | 56.1  |
| 80°   | 44.8  | 44.3  | 44.3  | 44.3  | 42.8  |
| 82.5° | 31.9  | 30.9  | 31.4  | 31.9  | 29.4  |
| 85°   | 19.1  | 19.1  | 19.1  | 19.6  | 17.0  |
| 87.5° | 7.7   | 7.7   | 7.2   | 7.7   | 6.7   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |









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





(END OF REPORT)