

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: P1046707

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

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046707  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/10/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22PTR-20-L940-UNV-STD-W  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

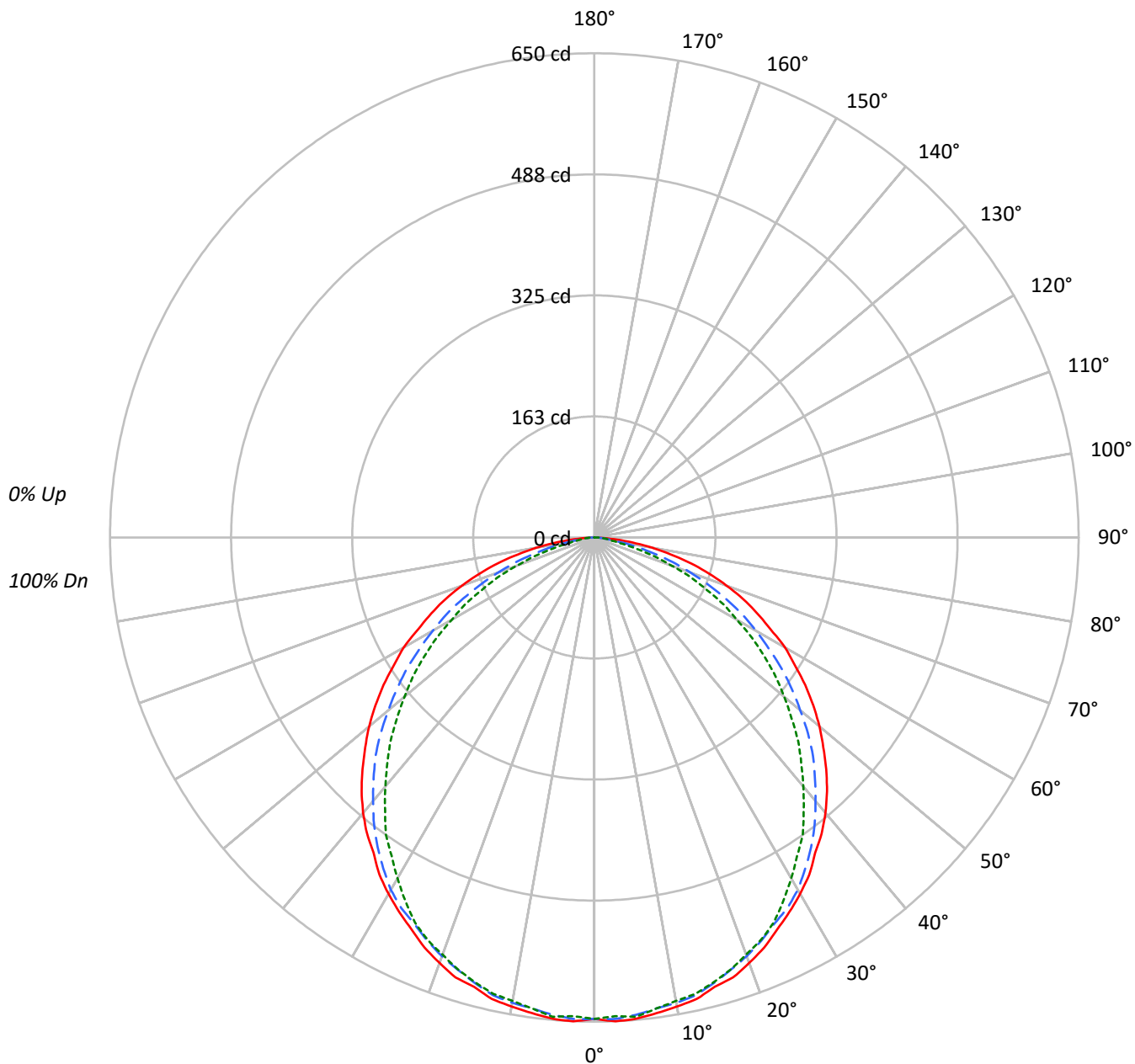
Lumens per Lamp: N/A  
Luminaire Lumens: 1721.6 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct

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

TEST NUMBER: P1046707

CATALOG NUMBER: 22PTR-20-L940-UNV-STD-W

### Luminous Intensity Polar Plot



TEST NUMBER: P1046707

CATALOG NUMBER: 22PTR-20-L940-UNV-STD-W

**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°  | 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: -

TEST NUMBER: P1046707

CATALOG NUMBER: 22PTR-20-L940-UNV-STD-W

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 61.3   | 3.6       |
| 10°-20°   | 175.3  | 10.2      |
| 20°-30°   | 264.8  | 15.4      |
| 30°-40°   | 314.8  | 18.3      |
| 40°-50°   | 319.3  | 18.5      |
| 50°-60°   | 277.3  | 16.1      |
| 60°-70°   | 196.8  | 11.4      |
| 70°-80°   | 94.1   | 5.5       |
| 80°-90°   | 17.8   | 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°    | 501.4  | 29.1      |
| 0°-40°    | 816.2  | 47.4      |
| 0°-60°    | 1412.8 | 82.1      |
| 0°-90°    | 1721.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1721.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 646 | 646   | 646 | 646   | 646 |      |
| 5°  | 649 | 646   | 643 | 645   | 646 | 62   |
| 15° | 624 | 626   | 619 | 619   | 618 | 177  |
| 25° | 580 | 580   | 572 | 574   | 570 | 268  |
| 35° | 517 | 516   | 507 | 490   | 488 | 325  |
| 45° | 440 | 436   | 415 | 393   | 387 | 339  |
| 55° | 345 | 335   | 307 | 289   | 279 | 309  |
| 65° | 241 | 223   | 194 | 173   | 167 | 239  |
| 75° | 134 | 110   | 82  | 65    | 57  | 141  |
| 85° | 26  | 14    | 12  | 12    | 11  | 33   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1046707

CATALOG NUMBER: 22PTR-20-L940-UNV-STD-W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 646.3 | 646.3 | 646.3 | 646.3 | 646.3 |
| 2.5°  | 650.2 | 647.8 | 647.1 | 649.8 | 643.2 |
| 5°    | 648.6 | 646.3 | 643.2 | 644.8 | 645.9 |
| 7.5°  | 644.0 | 642.1 | 637.8 | 641.3 | 637.8 |
| 10°   | 639.4 | 637.5 | 634.4 | 635.5 | 631.7 |
| 12.5° | 634.8 | 630.1 | 629.4 | 630.1 | 627.4 |
| 15°   | 624.4 | 625.9 | 619.4 | 618.6 | 618.2 |
| 17.5° | 619.4 | 615.5 | 608.6 | 609.0 | 608.2 |
| 20°   | 607.8 | 603.2 | 598.2 | 597.4 | 595.9 |
| 22.5° | 595.9 | 590.5 | 585.9 | 588.2 | 584.7 |
| 25°   | 580.5 | 579.7 | 572.0 | 574.3 | 570.1 |
| 27.5° | 567.0 | 564.3 | 560.9 | 555.8 | 549.7 |
| 30°   | 552.4 | 549.7 | 546.2 | 533.1 | 528.5 |
| 32.5° | 537.0 | 533.9 | 527.0 | 511.6 | 506.6 |
| 35°   | 516.6 | 515.8 | 507.3 | 490.0 | 487.7 |
| 37.5° | 501.2 | 492.7 | 485.8 | 468.1 | 461.5 |
| 40°   | 482.7 | 478.1 | 461.9 | 445.0 | 436.5 |
| 42.5° | 462.3 | 456.9 | 438.4 | 420.4 | 411.1 |
| 45°   | 440.0 | 436.1 | 415.3 | 393.4 | 386.9 |
| 47.5° | 416.9 | 413.4 | 388.8 | 367.6 | 359.1 |
| 50°   | 394.6 | 390.3 | 360.7 | 340.3 | 332.6 |
| 52.5° | 370.3 | 363.4 | 334.1 | 314.1 | 306.8 |
| 55°   | 345.3 | 334.9 | 306.8 | 288.7 | 278.7 |
| 57.5° | 318.7 | 309.1 | 277.9 | 259.1 | 251.0 |
| 60°   | 295.6 | 282.2 | 250.2 | 231.0 | 220.6 |
| 62.5° | 266.0 | 254.4 | 224.0 | 201.3 | 196.3 |
| 65°   | 241.4 | 223.3 | 194.0 | 173.2 | 166.7 |
| 67.5° | 216.3 | 195.2 | 165.5 | 144.4 | 140.9 |
| 70°   | 189.0 | 167.1 | 136.7 | 115.9 | 110.1 |
| 72.5° | 161.3 | 139.7 | 110.1 | 88.2  | 84.7  |
| 75°   | 134.3 | 109.7 | 81.6  | 64.7  | 57.4  |
| 77.5° | 105.1 | 82.8  | 57.4  | 39.6  | 35.0  |
| 80°   | 78.1  | 55.8  | 33.1  | 23.5  | 23.1  |
| 82.5° | 51.2  | 32.3  | 17.7  | 18.1  | 17.3  |
| 85°   | 26.2  | 13.9  | 11.9  | 11.5  | 11.2  |
| 87.5° | 5.0   | 5.4   | 5.8   | 5.8   | 5.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |









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





(END OF REPORT)