

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: P1050125

Luminaire Tested: PTR-14-20-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050125  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-20-PB1-L835-UNV-STD-W  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS  
  
Light Source:  
Ballast/Driver: -

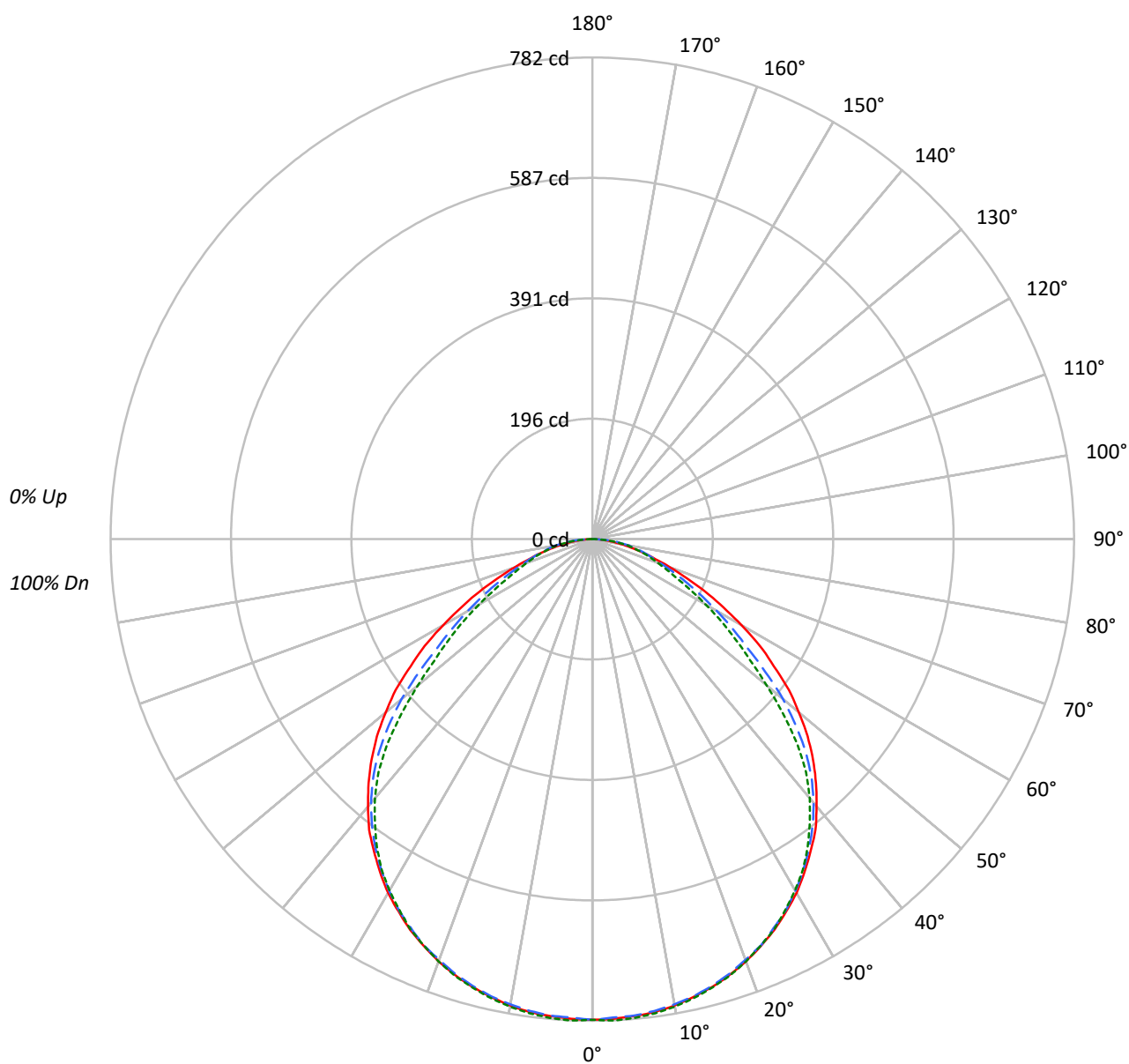
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1945.9 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
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 | 100 |    |    |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 93  | 90  | 91  | 89  | 88  | 86  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  |    |    |
| 3   | 92  | 82  | 75  | 69  | 90  | 81  | 74  | 68  | 78  | 72  | 67  | 75  | 70  | 66  | 73  | 68  | 64  | 62  |    |    |
| 4   | 85  | 73  | 65  | 59  | 83  | 72  | 64  | 58  | 70  | 63  | 58  | 67  | 62  | 57  | 65  | 60  | 56  | 54  |    |    |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 57  | 51  | 63  | 56  | 50  | 61  | 55  | 50  | 59  | 54  | 49  | 47  |    |    |
| 6   | 72  | 60  | 51  | 45  | 71  | 59  | 51  | 45  | 57  | 50  | 44  | 55  | 49  | 44  | 54  | 48  | 44  | 42  |    |    |
| 7   | 67  | 54  | 46  | 40  | 66  | 53  | 45  | 40  | 52  | 45  | 39  | 51  | 44  | 39  | 49  | 43  | 39  | 37  |    |    |
| 8   | 63  | 50  | 41  | 36  | 61  | 49  | 41  | 36  | 48  | 41  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |
| 9   | 59  | 46  | 38  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 30  |    |    |
| 10  | 55  | 42  | 34  | 29  | 54  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2100 | 2100 | 2100 |
| 5°  | 2100 | 2098 | 2108 |
| 10° | 2101 | 2096 | 2106 |
| 15° | 2097 | 2091 | 2099 |
| 20° | 2089 | 2081 | 2089 |
| 25° | 2078 | 2069 | 2075 |
| 30° | 2061 | 2049 | 2046 |
| 35° | 2031 | 2015 | 2003 |
| 40° | 1989 | 1963 | 1929 |
| 45° | 1929 | 1867 | 1790 |
| 50° | 1833 | 1692 | 1547 |
| 55° | 1689 | 1437 | 1333 |
| 60° | 1503 | 1256 | 1142 |
| 65° | 1290 | 1088 | 972  |
| 70° | 1065 | 959  | 891  |
| 75° | 898  | 918  | 868  |
| 80° | 759  | 938  | 893  |
| 85° | 593  | 948  | 831  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1929 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.0   | 3.8       |
| 10°-20°   | 212.3  | 10.9      |
| 20°-30°   | 321.6  | 16.5      |
| 30°-40°   | 383.2  | 19.7      |
| 40°-50°   | 374.8  | 19.3      |
| 50°-60°   | 283.5  | 14.6      |
| 60°-70°   | 174.1  | 8.9       |
| 70°-80°   | 92.8   | 4.8       |
| 80°-90°   | 29.6   | 1.5       |
| 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°    | 607.9  | 31.2      |
| 0°-40°    | 991.2  | 50.9      |
| 0°-60°    | 1649.4 | 84.8      |
| 0°-90°    | 1945.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1945.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 780 | 780   | 780 | 780   | 780 |      |
| 5°  | 778 | 778   | 777 | 780   | 780 | 74   |
| 15° | 753 | 754   | 751 | 754   | 754 | 212  |
| 25° | 700 | 699   | 697 | 698   | 699 | 322  |
| 35° | 618 | 617   | 613 | 610   | 610 | 387  |
| 45° | 507 | 504   | 490 | 474   | 470 | 390  |
| 55° | 360 | 342   | 306 | 289   | 284 | 322  |
| 65° | 203 | 186   | 171 | 157   | 153 | 202  |
| 75° | 86  | 87    | 88  | 86    | 84  | 93   |
| 85° | 19  | 25    | 31  | 29    | 27  | 23   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 780.4 | 780.4 | 780.4 | 780.4 | 780.4 |
| 2.5°  | 779.5 | 780.4 | 777.5 | 781.4 | 782.3 |
| 5°    | 777.5 | 778.5 | 776.6 | 779.5 | 780.4 |
| 7.5°  | 774.6 | 774.6 | 772.7 | 775.5 | 776.6 |
| 10°   | 768.9 | 768.9 | 767.0 | 769.8 | 770.8 |
| 12.5° | 761.2 | 761.2 | 760.2 | 762.1 | 763.1 |
| 15°   | 752.6 | 753.5 | 750.7 | 753.5 | 753.5 |
| 17.5° | 742.0 | 741.1 | 740.1 | 742.0 | 743.0 |
| 20°   | 729.5 | 729.5 | 726.7 | 728.6 | 729.5 |
| 22.5° | 715.1 | 715.1 | 714.2 | 715.1 | 714.2 |
| 25°   | 699.8 | 698.8 | 696.8 | 697.8 | 698.8 |
| 27.5° | 681.5 | 681.5 | 679.6 | 679.6 | 678.6 |
| 30°   | 663.3 | 662.3 | 659.5 | 657.5 | 658.4 |
| 32.5° | 641.2 | 640.2 | 637.4 | 635.5 | 636.4 |
| 35°   | 618.1 | 617.2 | 613.4 | 610.5 | 609.6 |
| 37.5° | 595.2 | 592.2 | 587.4 | 583.6 | 579.7 |
| 40°   | 566.3 | 563.4 | 558.7 | 550.0 | 549.0 |
| 42.5° | 537.5 | 534.7 | 526.9 | 516.5 | 513.5 |
| 45°   | 506.8 | 504.0 | 490.5 | 474.1 | 470.3 |
| 47.5° | 474.1 | 469.4 | 448.2 | 428.1 | 420.4 |
| 50°   | 437.8 | 429.1 | 404.1 | 378.2 | 369.5 |
| 52.5° | 402.2 | 386.9 | 354.2 | 331.1 | 322.6 |
| 55°   | 360.0 | 341.7 | 306.2 | 288.9 | 284.1 |
| 57.5° | 322.6 | 297.6 | 268.8 | 251.5 | 247.7 |
| 60°   | 279.3 | 256.3 | 233.3 | 217.9 | 212.1 |
| 62.5° | 239.9 | 219.8 | 200.6 | 187.1 | 180.5 |
| 65°   | 202.6 | 186.2 | 170.9 | 157.4 | 152.7 |
| 67.5° | 166.1 | 157.4 | 144.9 | 134.4 | 131.5 |
| 70°   | 135.3 | 130.5 | 121.9 | 117.1 | 113.3 |
| 72.5° | 107.5 | 109.4 | 103.7 | 101.8 | 98.9  |
| 75°   | 86.4  | 87.4  | 88.3  | 85.5  | 83.5  |
| 77.5° | 65.3  | 70.0  | 73.9  | 72.0  | 70.0  |
| 80°   | 49.0  | 53.7  | 60.5  | 57.6  | 57.6  |
| 82.5° | 33.6  | 39.4  | 45.1  | 43.2  | 42.2  |
| 85°   | 19.2  | 25.0  | 30.7  | 28.8  | 26.9  |
| 87.5° | 7.7   | 12.5  | 13.4  | 13.4  | 12.5  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |









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





(END OF REPORT)