

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: P1046766

Luminaire Tested: 22PTR-20-PC3-L835-UNV-STD-W

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046766  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/10/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22PTR-20-PC3-L835-UNV-STD-W  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

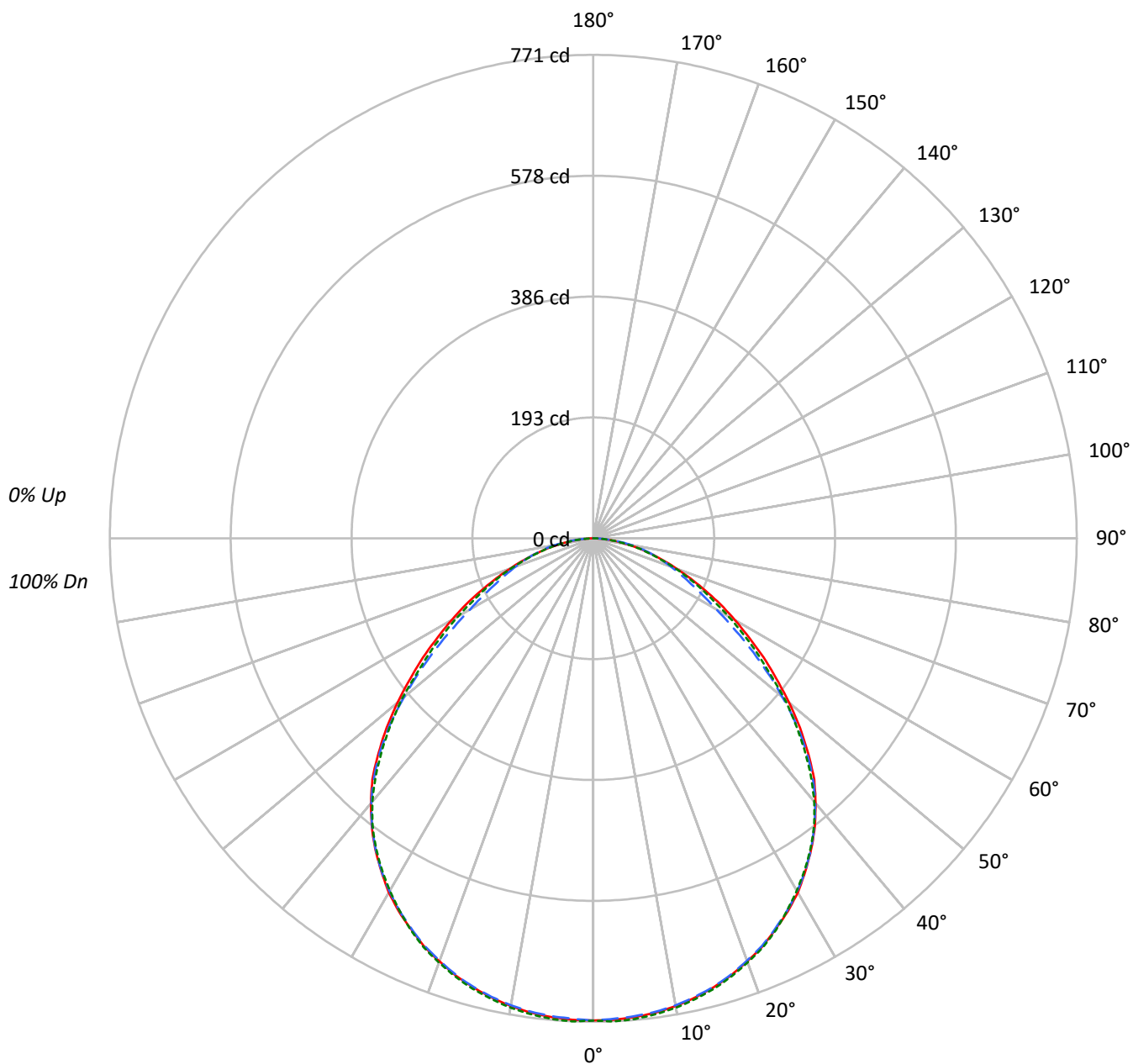
Lumens per Lamp: N/A  
Luminaire Lumens: 1939.0 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct

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

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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°  | 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°    | 72.9   | 3.8       |
| 10°-20°   | 209.4  | 10.8      |
| 20°-30°   | 317.0  | 16.3      |
| 30°-40°   | 378.0  | 19.5      |
| 40°-50°   | 369.3  | 19.0      |
| 50°-60°   | 282.4  | 14.6      |
| 60°-70°   | 181.3  | 9.3       |
| 70°-80°   | 100.9  | 5.2       |
| 80°-90°   | 27.9   | 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       |
| <hr/>     |        |           |
| 0°-30°    | 599.3  | 30.9      |
| 0°-40°    | 977.3  | 50.4      |
| 0°-60°    | 1629.0 | 84.0      |
| 0°-90°    | 1939.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1939.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 769 | 769   | 769 | 769   | 769 |      |
| 5°  | 766 | 767   | 765 | 769   | 769 | 73   |
| 15° | 741 | 742   | 740 | 743   | 744 | 209  |
| 25° | 688 | 689   | 687 | 689   | 689 | 317  |
| 35° | 606 | 606   | 605 | 605   | 604 | 378  |
| 45° | 484 | 485   | 481 | 480   | 476 | 373  |
| 55° | 332 | 320   | 305 | 309   | 318 | 297  |
| 65° | 197 | 182   | 171 | 177   | 189 | 196  |
| 75° | 95  | 96    | 96  | 95    | 93  | 101  |
| 85° | 21  | 24    | 24  | 24    | 21  | 25   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 769.1 | 769.1 | 769.1 | 769.1 | 769.1 |
| 2.5°  | 768.6 | 768.9 | 766.9 | 770.2 | 771.3 |
| 5°    | 766.4 | 766.9 | 765.0 | 768.6 | 769.4 |
| 7.5°  | 763.1 | 763.6 | 761.7 | 765.3 | 765.6 |
| 10°   | 757.6 | 757.9 | 756.2 | 759.8 | 760.3 |
| 12.5° | 750.2 | 751.0 | 749.1 | 752.4 | 752.6 |
| 15°   | 741.3 | 741.9 | 740.5 | 743.0 | 743.8 |
| 17.5° | 730.9 | 731.2 | 729.8 | 732.5 | 732.8 |
| 20°   | 717.9 | 717.9 | 716.8 | 719.9 | 719.9 |
| 22.5° | 704.7 | 703.9 | 703.6 | 704.7 | 706.4 |
| 25°   | 687.8 | 688.6 | 686.7 | 688.9 | 689.4 |
| 27.5° | 671.3 | 671.3 | 669.6 | 670.7 | 669.3 |
| 30°   | 652.3 | 651.2 | 650.1 | 650.3 | 649.0 |
| 32.5° | 629.4 | 629.4 | 628.9 | 628.9 | 627.2 |
| 35°   | 605.8 | 606.3 | 605.2 | 604.9 | 604.1 |
| 37.5° | 580.4 | 581.3 | 579.3 | 578.8 | 578.2 |
| 40°   | 551.5 | 551.5 | 550.7 | 549.6 | 548.2 |
| 42.5° | 521.5 | 521.5 | 518.0 | 515.2 | 513.3 |
| 45°   | 484.2 | 485.3 | 480.6 | 479.5 | 475.7 |
| 47.5° | 447.0 | 446.2 | 439.9 | 439.1 | 436.9 |
| 50°   | 407.4 | 402.7 | 393.7 | 396.1 | 398.1 |
| 52.5° | 367.8 | 362.0 | 348.8 | 351.5 | 354.8 |
| 55°   | 331.7 | 320.2 | 304.8 | 308.6 | 318.5 |
| 57.5° | 294.1 | 278.7 | 263.3 | 270.5 | 282.8 |
| 60°   | 260.8 | 243.5 | 226.7 | 234.4 | 248.7 |
| 62.5° | 228.9 | 210.5 | 197.0 | 204.4 | 216.5 |
| 65°   | 197.0 | 181.8 | 171.4 | 177.1 | 189.0 |
| 67.5° | 167.8 | 157.6 | 150.5 | 153.2 | 162.8 |
| 70°   | 141.4 | 135.0 | 131.2 | 132.0 | 137.5 |
| 72.5° | 116.3 | 114.7 | 113.3 | 113.3 | 113.8 |
| 75°   | 94.7  | 95.5  | 96.3  | 95.0  | 92.8  |
| 77.5° | 74.6  | 77.3  | 79.3  | 76.5  | 73.8  |
| 80°   | 54.8  | 59.2  | 61.7  | 58.6  | 54.5  |
| 82.5° | 37.4  | 42.4  | 43.2  | 41.3  | 36.6  |
| 85°   | 20.6  | 24.2  | 24.5  | 23.7  | 20.6  |
| 87.5° | 7.7   | 9.1   | 9.9   | 9.1   | 8.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







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







(END OF REPORT)