

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: P1046809

Luminaire Tested: 22PTR-25-PL1-L835-UNV-STD-W

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/10/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22PTR-25-PL1-L835-UNV-STD-W  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source:  
Ballast/Driver: -

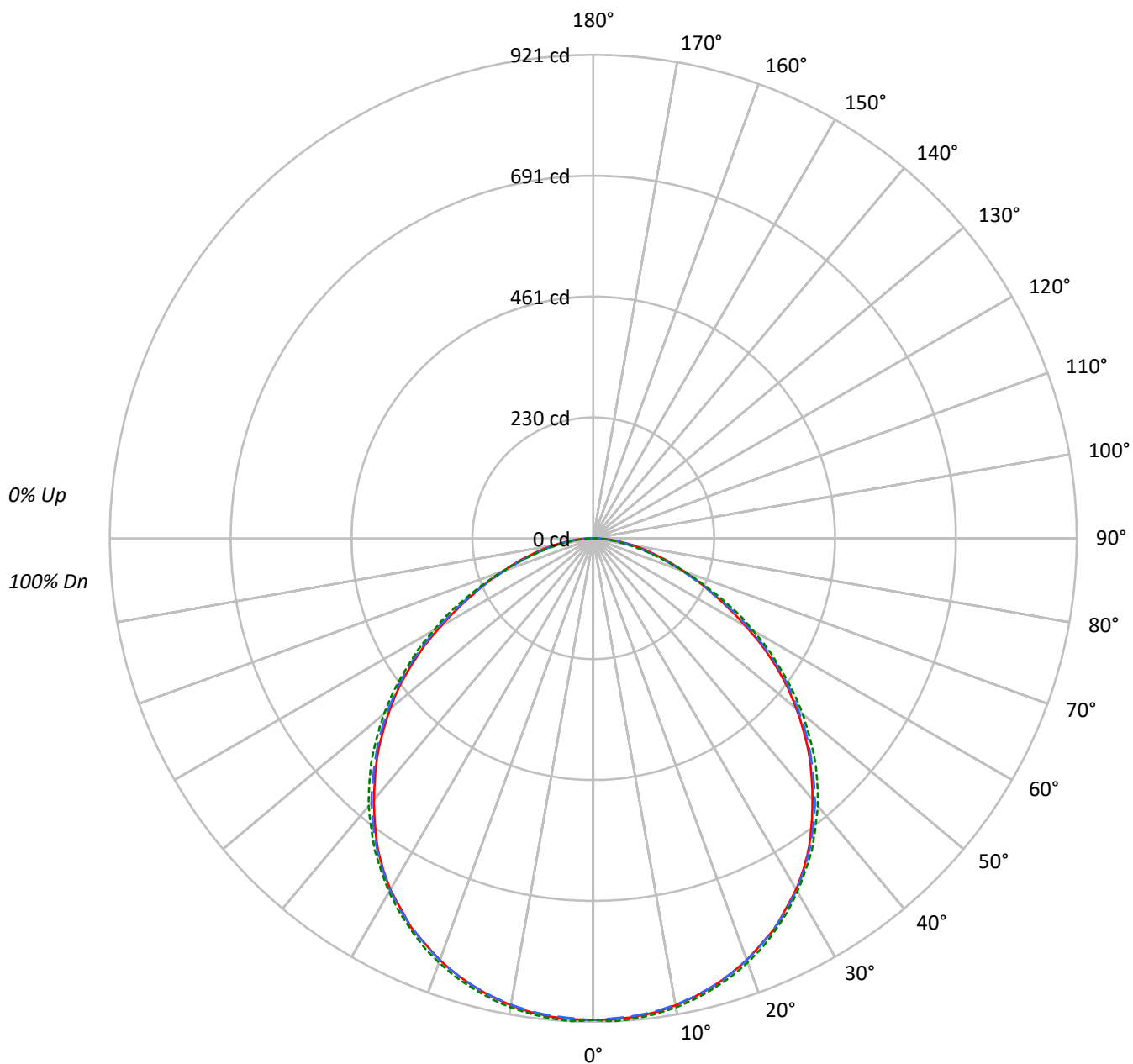
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2419.2 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct  
  
Input Watts (W): 19  
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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 94  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |    |    |
| 3   | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 66  | 77  | 70  | 65  | 74  | 69  | 64  | 71  | 67  | 63  | 61  |    |    |
| 4   | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 52  |    |    |
| 5   | 77  | 65  | 56  | 49  | 75  | 64  | 55  | 49  | 61  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 46  |    |    |
| 6   | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 47  | 42  | 40  |    |    |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 35  |    |    |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    |    |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 30  | 41  | 35  | 30  | 29  |    |    |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 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: -

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.1   | 3.6       |
| 10°-20°   | 249.7  | 10.3      |
| 20°-30°   | 377.7  | 15.6      |
| 30°-40°   | 450.2  | 18.6      |
| 40°-50°   | 452.7  | 18.7      |
| 50°-60°   | 384.2  | 15.9      |
| 60°-70°   | 255.8  | 10.6      |
| 70°-80°   | 127.7  | 5.3       |
| 80°-90°   | 34.2   | 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°    | 714.4  | 29.5      |
| 0°-40°    | 1164.6 | 48.1      |
| 0°-60°    | 2001.5 | 82.7      |
| 0°-90°    | 2419.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2419.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 918 | 918   | 918 | 918   | 918 |      |
| 5°  | 915 | 915   | 913 | 917   | 918 | 87   |
| 15° | 883 | 884   | 883 | 887   | 888 | 249  |
| 25° | 819 | 819   | 818 | 822   | 822 | 377  |
| 35° | 717 | 718   | 720 | 725   | 726 | 447  |
| 45° | 581 | 582   | 586 | 594   | 597 | 447  |
| 55° | 424 | 427   | 431 | 435   | 436 | 378  |
| 65° | 252 | 254   | 255 | 258   | 265 | 253  |
| 75° | 124 | 123   | 117 | 114   | 115 | 134  |
| 85° | 32  | 32    | 29  | 28    | 25  | 37   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 917.8 | 917.8 | 917.8 | 917.8 | 917.8 |
| 2.5°  | 917.0 | 917.8 | 915.3 | 919.7 | 920.9 |
| 5°    | 915.0 | 915.3 | 913.3 | 917.4 | 918.4 |
| 7.5°  | 910.6 | 911.0 | 908.9 | 913.3 | 913.9 |
| 10°   | 903.4 | 904.2 | 902.4 | 906.5 | 907.5 |
| 12.5° | 894.3 | 895.3 | 893.5 | 898.0 | 898.7 |
| 15°   | 883.4 | 884.4 | 883.0 | 886.8 | 887.5 |
| 17.5° | 870.1 | 870.8 | 870.1 | 873.5 | 875.5 |
| 20°   | 855.1 | 855.1 | 855.1 | 858.2 | 859.9 |
| 22.5° | 836.5 | 838.2 | 837.5 | 841.5 | 843.3 |
| 25°   | 819.2 | 819.2 | 818.1 | 821.9 | 822.5 |
| 27.5° | 794.9 | 797.7 | 797.4 | 800.8 | 801.5 |
| 30°   | 772.8 | 773.6 | 773.9 | 776.3 | 777.7 |
| 32.5° | 746.0 | 746.6 | 747.8 | 751.1 | 751.5 |
| 35°   | 717.1 | 717.9 | 719.8 | 724.9 | 725.6 |
| 37.5° | 683.5 | 687.2 | 688.9 | 694.4 | 695.0 |
| 40°   | 649.8 | 652.1 | 657.3 | 663.0 | 665.7 |
| 42.5° | 615.4 | 618.1 | 621.2 | 629.0 | 631.5 |
| 45°   | 581.1 | 582.1 | 585.9 | 593.7 | 597.1 |
| 47.5° | 543.0 | 546.1 | 549.4 | 556.2 | 558.3 |
| 50°   | 505.0 | 508.3 | 510.4 | 516.5 | 520.5 |
| 52.5° | 466.5 | 469.6 | 472.0 | 475.7 | 479.8 |
| 55°   | 424.4 | 427.4 | 431.2 | 435.3 | 436.3 |
| 57.5° | 381.5 | 384.9 | 387.3 | 391.7 | 396.1 |
| 60°   | 335.6 | 339.4 | 342.7 | 346.8 | 351.3 |
| 62.5° | 292.8 | 294.4 | 297.9 | 304.7 | 311.1 |
| 65°   | 251.9 | 254.0 | 254.6 | 258.5 | 264.9 |
| 67.5° | 218.0 | 218.0 | 214.9 | 216.2 | 223.4 |
| 70°   | 182.2 | 180.9 | 178.5 | 177.2 | 183.0 |
| 72.5° | 153.3 | 151.6 | 146.5 | 144.2 | 147.3 |
| 75°   | 124.4 | 122.7 | 117.3 | 114.5 | 114.9 |
| 77.5° | 100.0 | 97.2  | 92.8  | 88.1  | 87.1  |
| 80°   | 75.9  | 74.8  | 70.4  | 66.0  | 62.5  |
| 82.5° | 53.7  | 51.4  | 48.9  | 46.2  | 43.5  |
| 85°   | 32.2  | 31.6  | 29.3  | 27.6  | 25.2  |
| 87.5° | 13.2  | 13.2  | 12.6  | 11.9  | 11.2  |
| 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)