

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: P1050826

Luminaire Tested: 24PTR-100-PLG-L930-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-100-PLG-L930-UNV-STD-W  
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS  
  
Light Source:  
Ballast/Driver: -

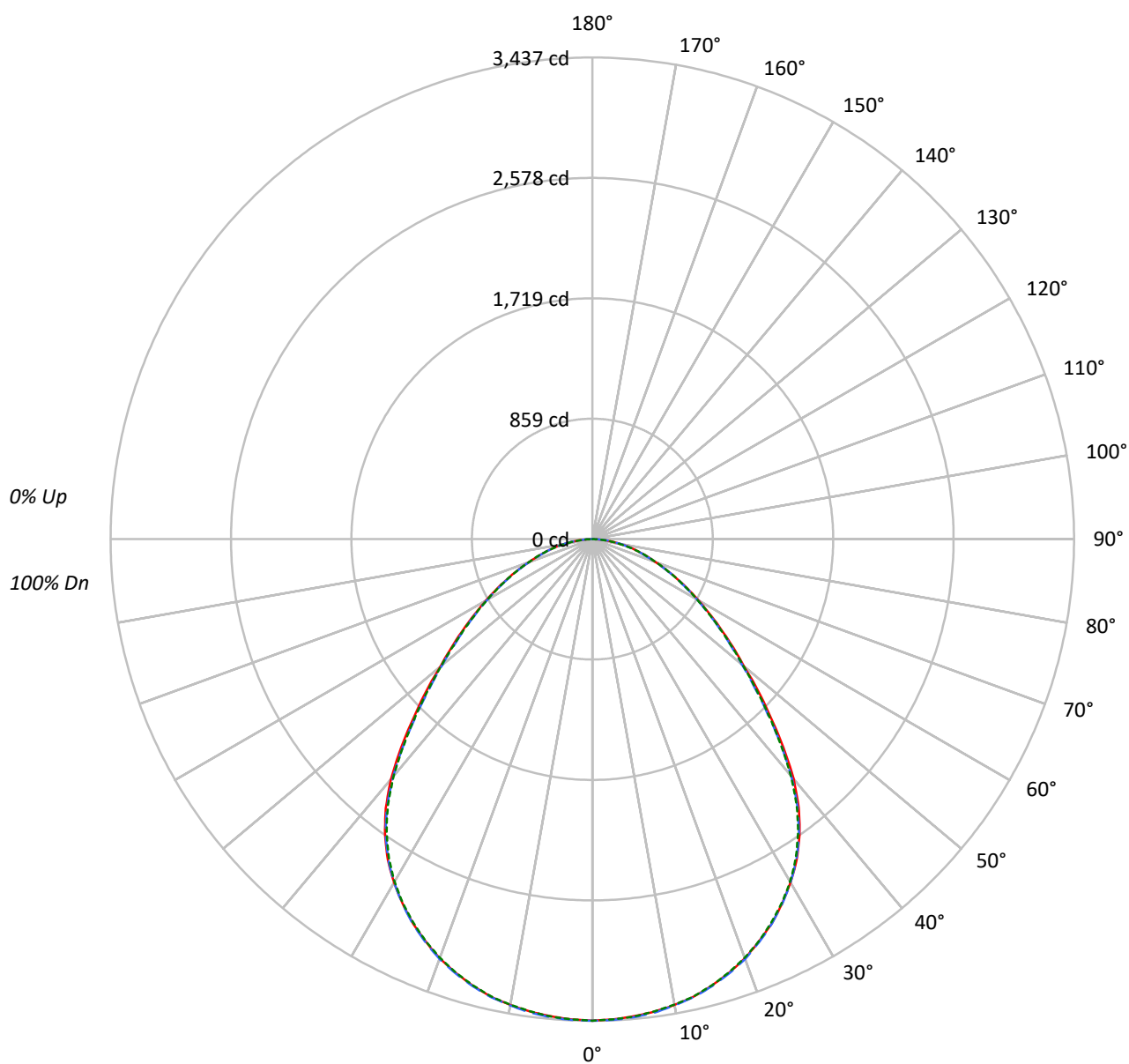
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7744.1 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 85  
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 | 102 | 102 | 100 |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  | 84  | 86  |
| 2   | 101 | 94  | 87  | 82  | 99  | 92  | 86  | 81  | 88  | 84  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 74  | 72  | 74  |
| 3   | 93  | 83  | 76  | 70  | 91  | 82  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  | 62  | 64  |
| 4   | 86  | 75  | 67  | 60  | 84  | 73  | 66  | 60  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 56  | 54  | 56  |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 51  | 61  | 55  | 51  | 49  | 47  | 49  |
| 6   | 74  | 61  | 53  | 47  | 72  | 60  | 52  | 47  | 58  | 51  | 46  | 57  | 51  | 46  | 55  | 50  | 45  | 43  | 41  | 43  |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 47  | 42  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 39  | 37  | 39  |
| 8   | 64  | 51  | 43  | 38  | 62  | 51  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  | 33  | 35  |
| 9   | 60  | 47  | 39  | 34  | 59  | 47  | 39  | 34  | 46  | 39  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  | 30  | 32  |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 40  | 35  | 31  | 29  | 27  | 29  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 4624 | 4624 | 4624 |
| 5°  | 4616 | 4625 | 4619 |
| 10° | 4612 | 4615 | 4609 |
| 15° | 4594 | 4600 | 4590 |
| 20° | 4558 | 4565 | 4551 |
| 25° | 4494 | 4497 | 4483 |
| 30° | 4396 | 4396 | 4385 |
| 35° | 4235 | 4223 | 4203 |
| 40° | 3924 | 3881 | 3869 |
| 45° | 3430 | 3374 | 3388 |
| 50° | 2961 | 2925 | 2941 |
| 55° | 2632 | 2592 | 2598 |
| 60° | 2356 | 2324 | 2324 |
| 65° | 2112 | 2097 | 2104 |
| 70° | 1900 | 1881 | 1900 |
| 75° | 1762 | 1737 | 1762 |
| 80° | 1644 | 1626 | 1569 |
| 85° | 1392 | 1392 | 1243 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3430 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 325.4  | 4.2       |
| 10°-20°   | 931.0  | 12.0      |
| 20°-30°   | 1393.1 | 18.0      |
| 30°-40°   | 1596.1 | 20.6      |
| 40°-50°   | 1380.4 | 17.8      |
| 50°-60°   | 999.1  | 12.9      |
| 60°-70°   | 658.1  | 8.5       |
| 70°-80°   | 358.2  | 4.6       |
| 80°-90°   | 102.7  | 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°    | 2649.5 | 34.2      |
| 0°-40°    | 4245.7 | 54.8      |
| 0°-60°    | 6625.2 | 85.6      |
| 0°-90°    | 7744.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7744.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3437 | 3437  | 3437 | 3437  | 3437 |      |
| 5°  | 3417 | 3425  | 3425 | 3425  | 3420 | 325  |
| 15° | 3298 | 3300  | 3303 | 3308  | 3295 | 930  |
| 25° | 3027 | 3027  | 3029 | 3032  | 3020 | 1392 |
| 35° | 2578 | 2576  | 2571 | 2568  | 2559 | 1602 |
| 45° | 1802 | 1798  | 1773 | 1771  | 1781 | 1396 |
| 55° | 1122 | 1117  | 1105 | 1098  | 1107 | 1010 |
| 65° | 664  | 668   | 659  | 654   | 661  | 662  |
| 75° | 339  | 339   | 334  | 334   | 339  | 361  |
| 85° | 90   | 90    | 90   | 93    | 80   | 104  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3436.8 | 3436.8 | 3436.8 | 3436.8 | 3436.8 |
| 2.5°  | 3429.5 | 3436.8 | 3434.3 | 3436.8 | 3429.5 |
| 5°    | 3417.3 | 3424.6 | 3424.6 | 3424.6 | 3419.7 |
| 7.5°  | 3400.2 | 3405.1 | 3407.5 | 3410.0 | 3397.8 |
| 10°   | 3375.8 | 3380.7 | 3378.2 | 3383.1 | 3373.4 |
| 12.5° | 3344.1 | 3344.1 | 3346.5 | 3351.4 | 3341.7 |
| 15°   | 3297.8 | 3300.2 | 3302.6 | 3307.5 | 3295.3 |
| 17.5° | 3244.1 | 3246.5 | 3249.0 | 3251.4 | 3241.7 |
| 20°   | 3183.1 | 3183.1 | 3188.0 | 3190.4 | 3178.2 |
| 22.5° | 3107.5 | 3107.5 | 3112.4 | 3119.7 | 3105.1 |
| 25°   | 3027.0 | 3027.0 | 3029.4 | 3031.9 | 3019.7 |
| 27.5° | 2931.9 | 2931.9 | 2934.3 | 2941.6 | 2927.0 |
| 30°   | 2829.4 | 2827.0 | 2829.4 | 2831.9 | 2822.1 |
| 32.5° | 2714.8 | 2712.4 | 2709.9 | 2712.4 | 2700.2 |
| 35°   | 2578.2 | 2575.8 | 2570.9 | 2568.4 | 2558.7 |
| 37.5° | 2419.7 | 2414.8 | 2405.0 | 2405.0 | 2395.3 |
| 40°   | 2234.3 | 2222.1 | 2209.9 | 2205.0 | 2202.6 |
| 42.5° | 2019.6 | 2009.9 | 1992.8 | 1990.4 | 1990.4 |
| 45°   | 1802.5 | 1797.7 | 1773.3 | 1770.8 | 1780.6 |
| 47.5° | 1607.4 | 1595.2 | 1573.3 | 1568.4 | 1583.0 |
| 50°   | 1414.7 | 1417.2 | 1397.6 | 1390.3 | 1405.0 |
| 52.5° | 1263.5 | 1258.6 | 1241.5 | 1236.7 | 1248.9 |
| 55°   | 1122.0 | 1117.1 | 1104.9 | 1097.6 | 1107.4 |
| 57.5° | 992.7  | 990.3  | 978.1  | 975.7  | 980.5  |
| 60°   | 875.7  | 873.2  | 863.5  | 861.0  | 863.5  |
| 62.5° | 765.9  | 765.9  | 756.1  | 751.3  | 758.6  |
| 65°   | 663.5  | 668.3  | 658.6  | 653.7  | 661.0  |
| 67.5° | 570.8  | 575.6  | 565.9  | 561.0  | 570.8  |
| 70°   | 483.0  | 487.8  | 478.1  | 473.2  | 483.0  |
| 72.5° | 407.3  | 409.8  | 402.5  | 400.0  | 412.2  |
| 75°   | 339.0  | 339.0  | 334.2  | 334.2  | 339.0  |
| 77.5° | 275.6  | 273.2  | 270.7  | 270.7  | 265.9  |
| 80°   | 212.2  | 209.8  | 209.8  | 209.8  | 202.5  |
| 82.5° | 151.2  | 146.3  | 148.8  | 151.2  | 139.0  |
| 85°   | 90.2   | 90.2   | 90.2   | 92.7   | 80.5   |
| 87.5° | 36.6   | 36.6   | 34.1   | 36.6   | 31.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)