

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: P1050339

Luminaire Tested: PTR-14-80-PP3-L830-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-80-PP3-L830-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS  
  
Light Source:  
Ballast/Driver: -

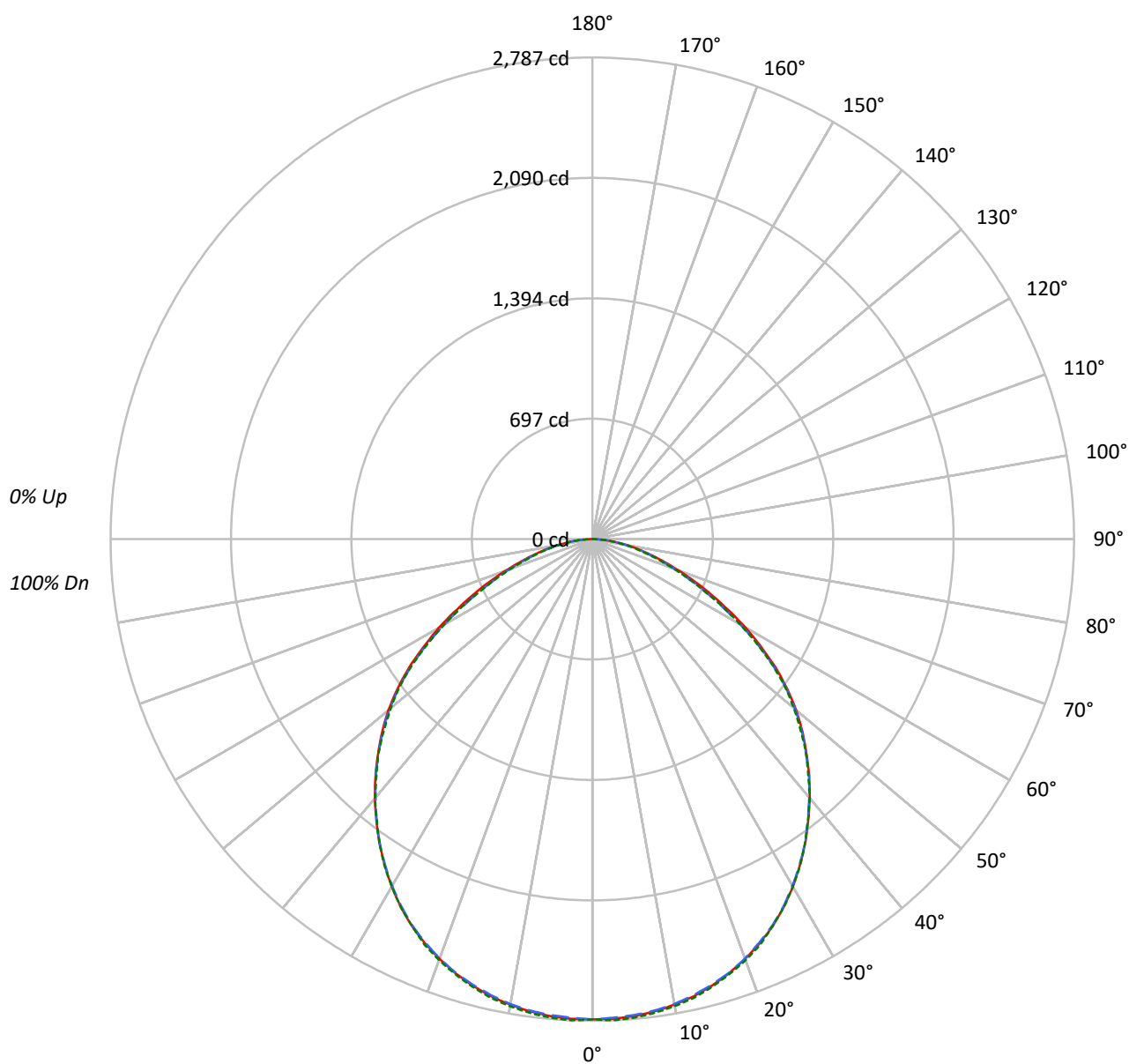
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7179.9 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 71  
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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 78  | 84  | 79  | 76  | 81  | 77  | 74  | 74  | 74  | 72  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 63  | 63  | 61  |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 55  | 55  | 53  |
| 5   | 77  | 65  | 56  | 50  | 75  | 64  | 56  | 50  | 62  | 55  | 49  | 60  | 54  | 49  | 58  | 52  | 48  | 48  | 48  | 46  |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  | 54  | 48  | 43  | 53  | 47  | 42  | 42  | 42  | 40  |
| 7   | 66  | 53  | 45  | 39  | 65  | 52  | 44  | 39  | 51  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 38  | 38  | 38  | 36  |
| 8   | 62  | 49  | 40  | 35  | 60  | 48  | 40  | 35  | 47  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 34  | 34  | 32  |
| 9   | 58  | 45  | 37  | 31  | 57  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 31  | 31  | 31  | 29  |
| 10  | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 28  | 28  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 7478 | 7478 | 7478 |
| 5°  | 7485 | 7468 | 7508 |
| 10° | 7474 | 7463 | 7499 |
| 15° | 7450 | 7435 | 7469 |
| 20° | 7400 | 7394 | 7426 |
| 25° | 7334 | 7323 | 7331 |
| 30° | 7211 | 7196 | 7211 |
| 35° | 7054 | 7045 | 7051 |
| 40° | 6874 | 6852 | 6870 |
| 45° | 6667 | 6648 | 6656 |
| 50° | 6444 | 6414 | 6368 |
| 55° | 6066 | 5996 | 5977 |
| 60° | 5505 | 5320 | 5330 |
| 65° | 4835 | 4593 | 4586 |
| 70° | 4181 | 3991 | 3945 |
| 75° | 3616 | 3483 | 3407 |
| 80° | 3203 | 3158 | 3016 |
| 85° | 2649 | 2739 | 2581 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6691 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 263.5  | 3.7       |
| 10°-20°   | 755.0  | 10.5      |
| 20°-30°   | 1136.6 | 15.8      |
| 30°-40°   | 1341.5 | 18.7      |
| 40°-50°   | 1349.2 | 18.8      |
| 50°-60°   | 1139.0 | 15.9      |
| 60°-70°   | 731.5  | 10.2      |
| 70°-80°   | 363.8  | 5.1       |
| 80°-90°   | 99.7   | 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°    | 2155.1 | 30.0      |
| 0°-40°    | 3496.6 | 48.7      |
| 0°-60°    | 5984.8 | 83.4      |
| 0°-90°    | 7179.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7179.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2779 | 2779  | 2779 | 2779  | 2779 |      |
| 5°  | 2771 | 2772  | 2764 | 2778  | 2780 | 263  |
| 15° | 2674 | 2675  | 2669 | 2681  | 2681 | 754  |
| 25° | 2470 | 2471  | 2466 | 2471  | 2469 | 1137 |
| 35° | 2147 | 2148  | 2144 | 2146  | 2146 | 1342 |
| 45° | 1752 | 1758  | 1747 | 1749  | 1749 | 1352 |
| 55° | 1293 | 1292  | 1278 | 1273  | 1274 | 1150 |
| 65° | 759  | 748   | 721  | 714   | 720  | 757  |
| 75° | 348  | 346   | 335  | 332   | 328  | 376  |
| 85° | 86   | 89    | 89   | 84    | 84   | 101  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2778.8 | 2778.8 | 2778.8 | 2778.8 | 2778.8 |
| 2.5°  | 2777.7 | 2778.8 | 2771.5 | 2784.7 | 2786.9 |
| 5°    | 2770.8 | 2771.5 | 2764.5 | 2777.7 | 2779.6 |
| 7.5°  | 2756.5 | 2757.6 | 2751.4 | 2763.4 | 2765.6 |
| 10°   | 2735.2 | 2738.5 | 2731.2 | 2742.6 | 2744.4 |
| 12.5° | 2709.2 | 2710.3 | 2703.0 | 2716.2 | 2718.4 |
| 15°   | 2674.0 | 2674.8 | 2668.9 | 2681.0 | 2681.0 |
| 17.5° | 2633.3 | 2634.4 | 2630.4 | 2640.7 | 2639.6 |
| 20°   | 2584.2 | 2587.2 | 2582.0 | 2589.0 | 2593.0 |
| 22.5° | 2530.7 | 2531.8 | 2525.6 | 2534.7 | 2538.8 |
| 25°   | 2470.2 | 2471.0 | 2466.2 | 2471.0 | 2469.1 |
| 27.5° | 2399.5 | 2401.3 | 2394.4 | 2399.5 | 2400.6 |
| 30°   | 2320.7 | 2325.8 | 2315.9 | 2320.0 | 2320.7 |
| 32.5° | 2236.0 | 2239.0 | 2232.0 | 2233.1 | 2238.2 |
| 35°   | 2147.4 | 2148.5 | 2144.4 | 2146.3 | 2146.3 |
| 37.5° | 2051.7 | 2055.7 | 2049.5 | 2052.4 | 2048.4 |
| 40°   | 1956.8 | 1952.7 | 1950.5 | 1952.7 | 1955.7 |
| 42.5° | 1856.7 | 1857.8 | 1854.9 | 1852.7 | 1847.9 |
| 45°   | 1751.9 | 1758.1 | 1746.8 | 1749.0 | 1749.0 |
| 47.5° | 1649.3 | 1650.0 | 1644.1 | 1637.9 | 1633.9 |
| 50°   | 1539.3 | 1539.3 | 1532.0 | 1527.2 | 1521.0 |
| 52.5° | 1419.1 | 1417.3 | 1409.2 | 1404.1 | 1407.0 |
| 55°   | 1293.0 | 1291.9 | 1278.0 | 1272.9 | 1274.0 |
| 57.5° | 1154.9 | 1157.1 | 1135.8 | 1130.7 | 1130.7 |
| 60°   | 1022.9 | 1012.7 | 988.5  | 981.5  | 990.3  |
| 62.5° | 884.4  | 872.3  | 846.3  | 846.3  | 853.2  |
| 65°   | 759.4  | 748.4  | 721.3  | 714.0  | 720.2  |
| 67.5° | 642.5  | 632.2  | 607.3  | 603.3  | 605.1  |
| 70°   | 531.4  | 522.6  | 507.2  | 498.1  | 501.4  |
| 72.5° | 435.8  | 427.7  | 417.4  | 410.5  | 406.5  |
| 75°   | 347.8  | 346.0  | 335.0  | 331.7  | 327.7  |
| 77.5° | 275.2  | 274.5  | 265.3  | 261.3  | 257.3  |
| 80°   | 206.7  | 205.6  | 203.8  | 197.5  | 194.6  |
| 82.5° | 147.3  | 147.3  | 146.2  | 141.1  | 138.2  |
| 85°   | 85.8   | 88.7   | 88.7   | 83.6   | 83.6   |
| 87.5° | 34.5   | 36.3   | 34.5   | 34.5   | 33.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)