

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: P1050928

Luminaire Tested: 24PTR-30-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-30-PR1-L830-UNV-STD-W  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS  
  
Light Source:  
Ballast/Driver: -

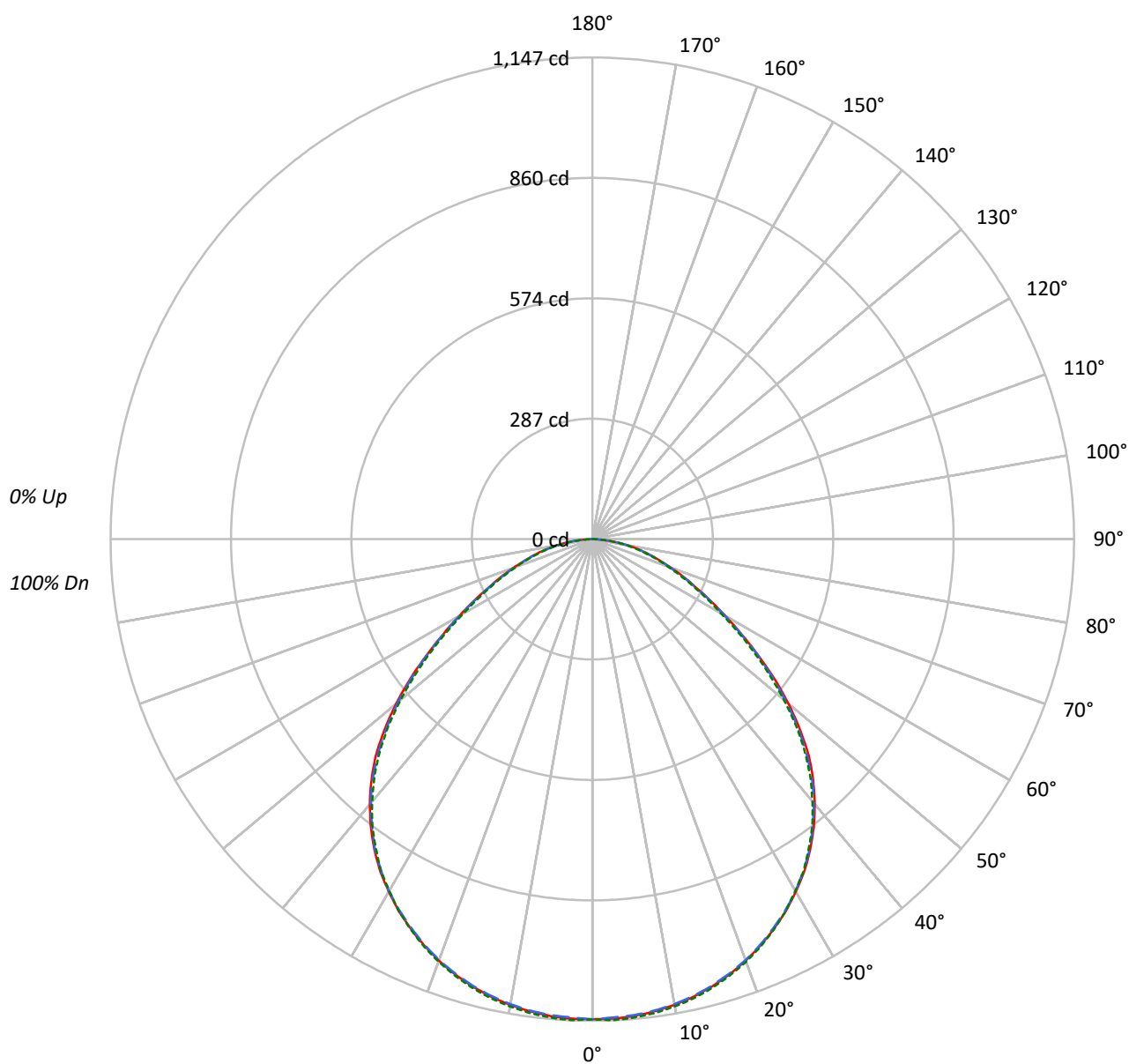
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2891.6 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 24  
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  | 88  | 85  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |    |    |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  | 78  | 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  | 45  | 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  | 39  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1538 | 1538 | 1538 |
| 5°  | 1540 | 1536 | 1545 |
| 10° | 1539 | 1536 | 1544 |
| 15° | 1536 | 1533 | 1541 |
| 20° | 1529 | 1527 | 1533 |
| 25° | 1519 | 1515 | 1521 |
| 30° | 1506 | 1504 | 1502 |
| 35° | 1485 | 1482 | 1475 |
| 40° | 1447 | 1442 | 1432 |
| 45° | 1387 | 1372 | 1362 |
| 50° | 1276 | 1262 | 1246 |
| 55° | 1129 | 1125 | 1103 |
| 60° | 982  | 978  | 952  |
| 65° | 865  | 860  | 843  |
| 70° | 785  | 774  | 758  |
| 75° | 727  | 710  | 697  |
| 80° | 663  | 654  | 632  |
| 85° | 523  | 520  | 499  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1387 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 108.5  | 3.8       |
| 10°-20°   | 311.3  | 10.8      |
| 20°-30°   | 471.6  | 16.3      |
| 30°-40°   | 563.0  | 19.5      |
| 40°-50°   | 553.7  | 19.1      |
| 50°-60°   | 427.9  | 14.8      |
| 60°-70°   | 269.8  | 9.3       |
| 70°-80°   | 146.0  | 5.0       |
| 80°-90°   | 39.9   | 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       |
| 0°-30°    | 891.4  | 30.8      |
| 0°-40°    | 1454.3 | 50.3      |
| 0°-60°    | 2435.9 | 84.2      |
| 0°-90°    | 2891.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2891.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1143 | 1143  | 1143 | 1143  | 1143 |      |
| 5°  | 1140 | 1140  | 1138 | 1142  | 1144 | 108  |
| 15° | 1102 | 1103  | 1101 | 1104  | 1106 | 311  |
| 25° | 1023 | 1024  | 1021 | 1024  | 1025 | 472  |
| 35° | 904  | 904   | 902  | 901   | 898  | 564  |
| 45° | 729  | 726   | 721  | 715   | 716  | 558  |
| 55° | 482  | 486   | 479  | 472   | 470  | 432  |
| 65° | 272  | 272   | 270  | 266   | 265  | 273  |
| 75° | 140  | 138   | 136  | 137   | 134  | 149  |
| 85° | 34   | 34    | 34   | 34    | 32   | 40   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1143.4 | 1143.4 | 1143.4 | 1143.4 | 1143.4 |
| 2.5°  | 1142.9 | 1143.4 | 1140.1 | 1145.5 | 1146.6 |
| 5°    | 1140.1 | 1140.5 | 1137.6 | 1142.5 | 1143.8 |
| 7.5°  | 1134.3 | 1135.2 | 1132.4 | 1137.3 | 1138.5 |
| 10°   | 1126.1 | 1127.0 | 1124.2 | 1129.1 | 1130.3 |
| 12.5° | 1116.0 | 1116.3 | 1113.9 | 1118.4 | 1119.5 |
| 15°   | 1102.4 | 1102.7 | 1100.8 | 1104.4 | 1106.0 |
| 17.5° | 1086.8 | 1087.2 | 1084.4 | 1088.9 | 1089.6 |
| 20°   | 1068.0 | 1068.3 | 1066.7 | 1070.4 | 1070.9 |
| 22.5° | 1047.0 | 1047.9 | 1045.4 | 1048.7 | 1049.1 |
| 25°   | 1023.4 | 1024.1 | 1020.8 | 1024.1 | 1024.6 |
| 27.5° | 998.3  | 998.6  | 995.8  | 998.3  | 997.9  |
| 30°   | 969.2  | 971.7  | 968.0  | 967.1  | 966.8  |
| 32.5° | 938.9  | 939.2  | 935.7  | 934.8  | 936.4  |
| 35°   | 904.1  | 904.4  | 902.0  | 900.8  | 898.3  |
| 37.5° | 866.0  | 866.0  | 861.4  | 860.6  | 860.2  |
| 40°   | 824.1  | 823.7  | 820.9  | 818.0  | 815.1  |
| 42.5° | 778.6  | 779.5  | 773.7  | 768.7  | 768.0  |
| 45°   | 729.0  | 726.2  | 720.8  | 715.1  | 715.6  |
| 47.5° | 670.5  | 671.2  | 663.9  | 659.3  | 658.1  |
| 50°   | 609.7  | 609.7  | 602.9  | 598.0  | 595.4  |
| 52.5° | 546.3  | 546.7  | 540.2  | 533.6  | 532.3  |
| 55°   | 481.5  | 485.5  | 479.4  | 471.7  | 470.1  |
| 57.5° | 420.9  | 424.2  | 418.4  | 410.2  | 409.8  |
| 60°   | 364.8  | 365.1  | 363.5  | 355.7  | 353.6  |
| 62.5° | 316.9  | 314.8  | 313.9  | 309.9  | 307.3  |
| 65°   | 271.7  | 272.2  | 270.1  | 265.5  | 264.7  |
| 67.5° | 235.3  | 234.8  | 231.1  | 228.3  | 226.6  |
| 70°   | 199.5  | 198.3  | 196.7  | 194.3  | 192.7  |
| 72.5° | 167.7  | 167.7  | 166.3  | 165.6  | 162.7  |
| 75°   | 139.8  | 138.2  | 136.5  | 137.3  | 134.0  |
| 77.5° | 113.2  | 111.5  | 110.2  | 108.5  | 107.8  |
| 80°   | 85.6   | 84.0   | 84.4   | 81.9   | 81.6   |
| 82.5° | 59.4   | 59.4   | 58.7   | 56.6   | 57.0   |
| 85°   | 33.9   | 34.4   | 33.7   | 33.9   | 32.3   |
| 87.5° | 12.4   | 12.7   | 13.5   | 12.7   | 12.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)