

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: P1050626

Luminaire Tested: 24PTR-72-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050626  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-72-PC3-L830-UNV-STD-W  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source:  
Ballast/Driver: -

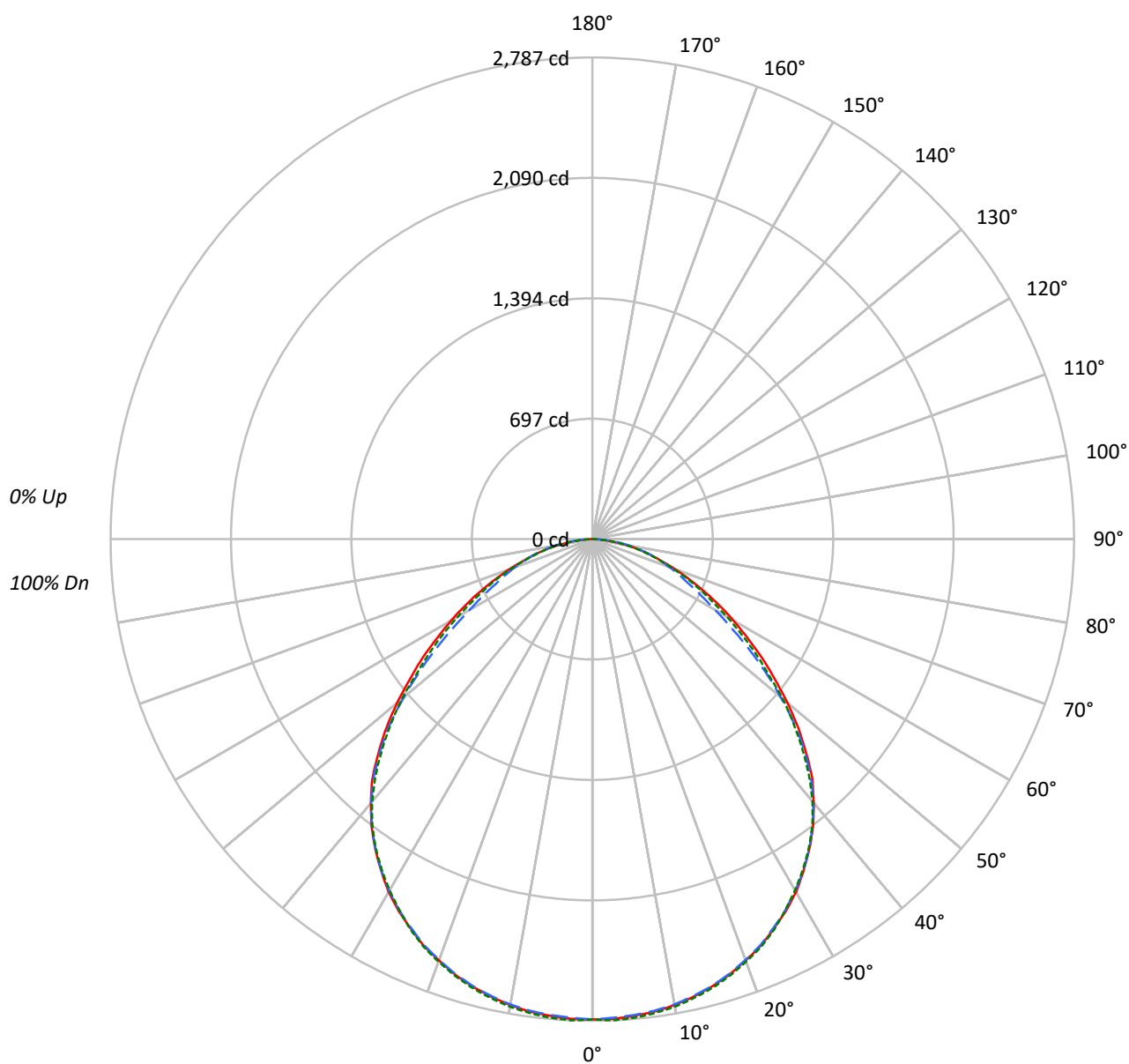
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7007.3 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 60  
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°  | 3740 | 3740 | 3740 |
| 5°  | 3741 | 3734 | 3755 |
| 10° | 3741 | 3734 | 3754 |
| 15° | 3732 | 3728 | 3744 |
| 20° | 3715 | 3709 | 3725 |
| 25° | 3690 | 3684 | 3698 |
| 30° | 3662 | 3650 | 3644 |
| 35° | 3596 | 3592 | 3586 |
| 40° | 3501 | 3496 | 3480 |
| 45° | 3329 | 3304 | 3271 |
| 50° | 3082 | 2978 | 3012 |
| 55° | 2812 | 2584 | 2700 |
| 60° | 2536 | 2204 | 2418 |
| 65° | 2266 | 1972 | 2174 |
| 70° | 2011 | 1866 | 1955 |
| 75° | 1778 | 1808 | 1743 |
| 80° | 1533 | 1727 | 1526 |
| 85° | 1149 | 1366 | 1149 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3337 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 263.6  | 3.8       |
| 10°-20°   | 756.7  | 10.8      |
| 20°-30°   | 1145.6 | 16.3      |
| 30°-40°   | 1365.9 | 19.5      |
| 40°-50°   | 1334.6 | 19.0      |
| 50°-60°   | 1020.5 | 14.6      |
| 60°-70°   | 655.2  | 9.4       |
| 70°-80°   | 364.5  | 5.2       |
| 80°-90°   | 100.7  | 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°    | 2165.9 | 30.9      |
| 0°-40°    | 3531.8 | 50.4      |
| 0°-60°    | 5886.9 | 84.0      |
| 0°-90°    | 7007.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7007.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2779 | 2779  | 2779 | 2779  | 2779 |      |
| 5°  | 2770 | 2772  | 2765 | 2778  | 2780 | 263  |
| 15° | 2679 | 2681  | 2676 | 2685  | 2688 | 756  |
| 25° | 2485 | 2488  | 2481 | 2489  | 2491 | 1146 |
| 35° | 2189 | 2191  | 2187 | 2186  | 2183 | 1368 |
| 45° | 1750 | 1754  | 1737 | 1733  | 1719 | 1346 |
| 55° | 1199 | 1157  | 1102 | 1115  | 1151 | 1072 |
| 65° | 712  | 657   | 620  | 640   | 683  | 710  |
| 75° | 342  | 345   | 348  | 343   | 335  | 366  |
| 85° | 74   | 87    | 88   | 86    | 74   | 91   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2779.4 | 2779.4 | 2779.4 | 2779.4 | 2779.4 |
| 2.5°  | 2777.6 | 2778.7 | 2771.5 | 2783.4 | 2787.4 |
| 5°    | 2769.7 | 2771.5 | 2764.6 | 2777.6 | 2780.5 |
| 7.5°  | 2757.8 | 2759.6 | 2752.7 | 2765.7 | 2766.8 |
| 10°   | 2737.9 | 2739.0 | 2732.8 | 2745.8 | 2747.6 |
| 12.5° | 2711.2 | 2714.0 | 2707.2 | 2719.1 | 2719.8 |
| 15°   | 2679.0 | 2681.2 | 2676.1 | 2685.2 | 2688.0 |
| 17.5° | 2641.4 | 2642.5 | 2637.5 | 2647.2 | 2648.3 |
| 20°   | 2594.5 | 2594.5 | 2590.5 | 2601.7 | 2601.7 |
| 22.5° | 2546.8 | 2543.9 | 2542.8 | 2546.8 | 2553.0 |
| 25°   | 2485.4 | 2488.3 | 2481.4 | 2489.4 | 2491.2 |
| 27.5° | 2425.8 | 2425.8 | 2419.7 | 2423.6 | 2418.6 |
| 30°   | 2357.2 | 2353.2 | 2349.2 | 2350.0 | 2345.3 |
| 32.5° | 2274.5 | 2274.5 | 2272.7 | 2272.7 | 2266.5 |
| 35°   | 2189.2 | 2191.0 | 2187.1 | 2186.0 | 2183.1 |
| 37.5° | 2097.5 | 2100.7 | 2093.5 | 2091.7 | 2089.5 |
| 40°   | 1993.1 | 1993.1 | 1990.2 | 1986.2 | 1981.2 |
| 42.5° | 1884.7 | 1884.7 | 1872.1 | 1862.0 | 1855.1 |
| 45°   | 1749.6 | 1753.6 | 1736.6 | 1732.7 | 1718.9 |
| 47.5° | 1615.3 | 1612.4 | 1589.6 | 1586.7 | 1578.8 |
| 50°   | 1472.2 | 1455.3 | 1422.8 | 1431.4 | 1438.7 |
| 52.5° | 1329.2 | 1308.3 | 1260.6 | 1270.3 | 1282.3 |
| 55°   | 1198.8 | 1157.3 | 1101.7 | 1115.4 | 1151.1 |
| 57.5° | 1062.6 | 1007.0 | 951.4  | 977.4  | 1021.8 |
| 60°   | 942.4  | 879.9  | 819.2  | 847.0  | 898.7  |
| 62.5° | 827.1  | 760.7  | 711.9  | 738.7  | 782.4  |
| 65°   | 711.9  | 657.0  | 619.5  | 640.0  | 683.0  |
| 67.5° | 606.5  | 569.6  | 544.0  | 553.7  | 588.4  |
| 70°   | 511.1  | 488.0  | 474.3  | 477.1  | 497.0  |
| 72.5° | 420.4  | 414.7  | 409.6  | 409.6  | 411.4  |
| 75°   | 342.1  | 344.9  | 347.8  | 343.1  | 335.2  |
| 77.5° | 269.5  | 279.2  | 286.4  | 276.3  | 266.6  |
| 80°   | 197.9  | 213.8  | 222.9  | 211.7  | 196.9  |
| 82.5° | 135.1  | 153.1  | 156.0  | 149.2  | 132.2  |
| 85°   | 74.4   | 87.4   | 88.5   | 85.6   | 74.4   |
| 87.5° | 27.8   | 32.9   | 35.8   | 32.9   | 28.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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





(END OF REPORT)