

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: P1050323

Luminaire Tested: PTR-14-70-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050323  
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-14-70-PP3-L835-UNV-STD-W  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

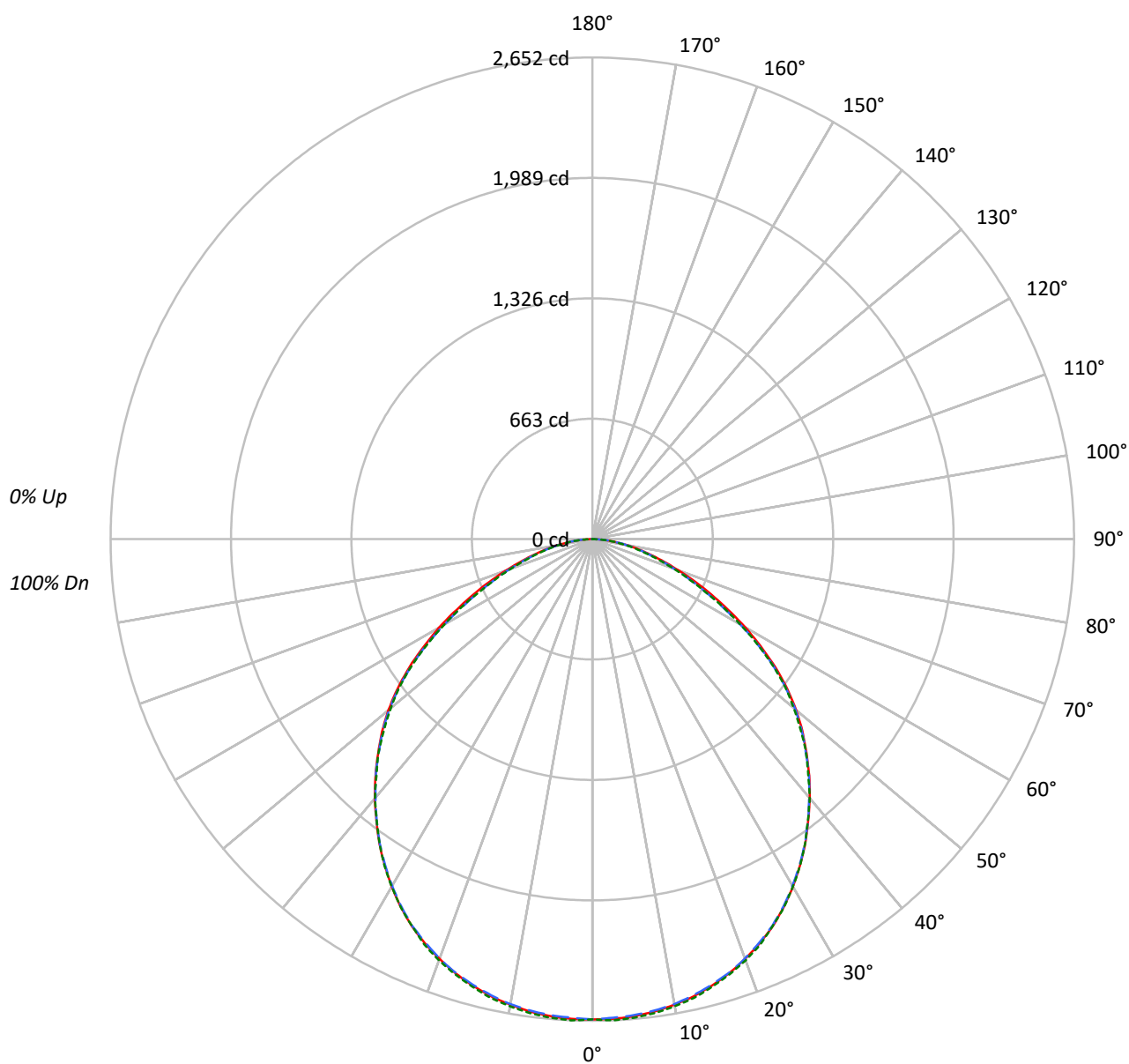
Lumens per Lamp: N/A  
Luminaire Lumens: 6833.3 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 63  
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  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 78  | 84  | 79  | 76  | 81  | 77  | 74  | 72  |    |    |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 61  |    |    |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  |    |    |
| 5   | 77  | 65  | 56  | 50  | 75  | 64  | 56  | 50  | 62  | 55  | 49  | 60  | 54  | 49  | 58  | 52  | 48  | 46  |    |    |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  | 54  | 48  | 43  | 53  | 47  | 42  | 40  |    |    |
| 7   | 66  | 53  | 45  | 39  | 65  | 52  | 44  | 39  | 51  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 38  | 36  |    |    |
| 8   | 62  | 49  | 40  | 35  | 60  | 48  | 40  | 35  | 47  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    |    |
| 9   | 58  | 45  | 37  | 31  | 57  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 31  | 29  |    |    |
| 10  | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 7117 | 7117 | 7117 |
| 5°  | 7123 | 7107 | 7146 |
| 10° | 7113 | 7103 | 7137 |
| 15° | 7090 | 7076 | 7109 |
| 20° | 7043 | 7037 | 7067 |
| 25° | 6981 | 6969 | 6978 |
| 30° | 6863 | 6849 | 6863 |
| 35° | 6714 | 6705 | 6710 |
| 40° | 6542 | 6521 | 6538 |
| 45° | 6345 | 6326 | 6334 |
| 50° | 6133 | 6104 | 6060 |
| 55° | 5773 | 5706 | 5689 |
| 60° | 5239 | 5063 | 5072 |
| 65° | 4602 | 4371 | 4364 |
| 70° | 3980 | 3799 | 3755 |
| 75° | 3441 | 3315 | 3242 |
| 80° | 3048 | 3005 | 2870 |
| 85° | 2519 | 2606 | 2455 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6368 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 250.8  | 3.7       |
| 10°-20°   | 718.5  | 10.5      |
| 20°-30°   | 1081.8 | 15.8      |
| 30°-40°   | 1276.8 | 18.7      |
| 40°-50°   | 1284.1 | 18.8      |
| 50°-60°   | 1084.0 | 15.9      |
| 60°-70°   | 696.2  | 10.2      |
| 70°-80°   | 346.3  | 5.1       |
| 80°-90°   | 94.9   | 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°    | 2051.1 | 30.0      |
| 0°-40°    | 3327.9 | 48.7      |
| 0°-60°    | 5696.0 | 83.4      |
| 0°-90°    | 6833.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6833.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2645 | 2645  | 2645 | 2645  | 2645 |      |
| 5°  | 2637 | 2638  | 2631 | 2644  | 2645 | 251  |
| 15° | 2545 | 2546  | 2540 | 2552  | 2552 | 718  |
| 25° | 2351 | 2352  | 2347 | 2352  | 2350 | 1082 |
| 35° | 2044 | 2045  | 2041 | 2043  | 2043 | 1277 |
| 45° | 1667 | 1673  | 1662 | 1664  | 1664 | 1287 |
| 55° | 1231 | 1230  | 1216 | 1211  | 1212 | 1095 |
| 65° | 723  | 712   | 686  | 680   | 685  | 721  |
| 75° | 331  | 329   | 319  | 316   | 312  | 358  |
| 85° | 82   | 84    | 84   | 80    | 80   | 96   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2644.7 | 2644.7 | 2644.7 | 2644.7 | 2644.7 |
| 2.5°  | 2643.7 | 2644.7 | 2637.7 | 2650.3 | 2652.4 |
| 5°    | 2637.0 | 2637.7 | 2631.1 | 2643.7 | 2645.4 |
| 7.5°  | 2623.4 | 2624.5 | 2618.5 | 2630.1 | 2632.2 |
| 10°   | 2603.2 | 2606.3 | 2599.4 | 2610.2 | 2611.9 |
| 12.5° | 2578.4 | 2579.5 | 2572.5 | 2585.1 | 2587.2 |
| 15°   | 2544.9 | 2545.6 | 2540.1 | 2551.6 | 2551.6 |
| 17.5° | 2506.2 | 2507.3 | 2503.4 | 2513.2 | 2512.2 |
| 20°   | 2459.5 | 2462.3 | 2457.4 | 2464.0 | 2467.9 |
| 22.5° | 2408.6 | 2409.6 | 2403.7 | 2412.4 | 2416.2 |
| 25°   | 2351.0 | 2351.7 | 2347.2 | 2351.7 | 2350.0 |
| 27.5° | 2283.7 | 2285.4 | 2278.8 | 2283.7 | 2284.7 |
| 30°   | 2208.7 | 2213.6 | 2204.2 | 2208.0 | 2208.7 |
| 32.5° | 2128.1 | 2130.9 | 2124.3 | 2125.3 | 2130.2 |
| 35°   | 2043.7 | 2044.7 | 2040.9 | 2042.7 | 2042.7 |
| 37.5° | 1952.7 | 1956.5 | 1950.6 | 1953.4 | 1949.5 |
| 40°   | 1862.3 | 1858.5 | 1856.4 | 1858.5 | 1861.3 |
| 42.5° | 1767.1 | 1768.1 | 1765.3 | 1763.3 | 1758.7 |
| 45°   | 1667.3 | 1673.3 | 1662.4 | 1664.5 | 1664.5 |
| 47.5° | 1569.7 | 1570.4 | 1564.8 | 1558.9 | 1555.0 |
| 50°   | 1465.0 | 1465.0 | 1458.0 | 1453.5 | 1447.6 |
| 52.5° | 1350.6 | 1348.9 | 1341.2 | 1336.3 | 1339.1 |
| 55°   | 1230.6 | 1229.6 | 1216.3 | 1211.4 | 1212.5 |
| 57.5° | 1099.1 | 1101.2 | 1081.0 | 1076.1 | 1076.1 |
| 60°   | 973.5  | 963.8  | 940.8  | 934.1  | 942.5  |
| 62.5° | 841.7  | 830.2  | 805.4  | 805.4  | 812.0  |
| 65°   | 722.7  | 712.3  | 686.5  | 679.5  | 685.4  |
| 67.5° | 611.5  | 601.7  | 578.0  | 574.1  | 575.9  |
| 70°   | 505.8  | 497.4  | 482.8  | 474.0  | 477.2  |
| 72.5° | 414.7  | 407.1  | 397.3  | 390.7  | 386.8  |
| 75°   | 331.0  | 329.3  | 318.8  | 315.7  | 311.8  |
| 77.5° | 262.0  | 261.3  | 252.5  | 248.7  | 244.9  |
| 80°   | 196.7  | 195.7  | 193.9  | 188.0  | 185.2  |
| 82.5° | 140.2  | 140.2  | 139.2  | 134.3  | 131.5  |
| 85°   | 81.6   | 84.4   | 84.4   | 79.5   | 79.5   |
| 87.5° | 32.8   | 34.5   | 32.8   | 32.8   | 31.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)