

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: P1050317

Luminaire Tested: PTR-14-60-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050317  
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: PTR-14-60-PLG-L940-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS  
  
Light Source:  
Ballast/Driver: -

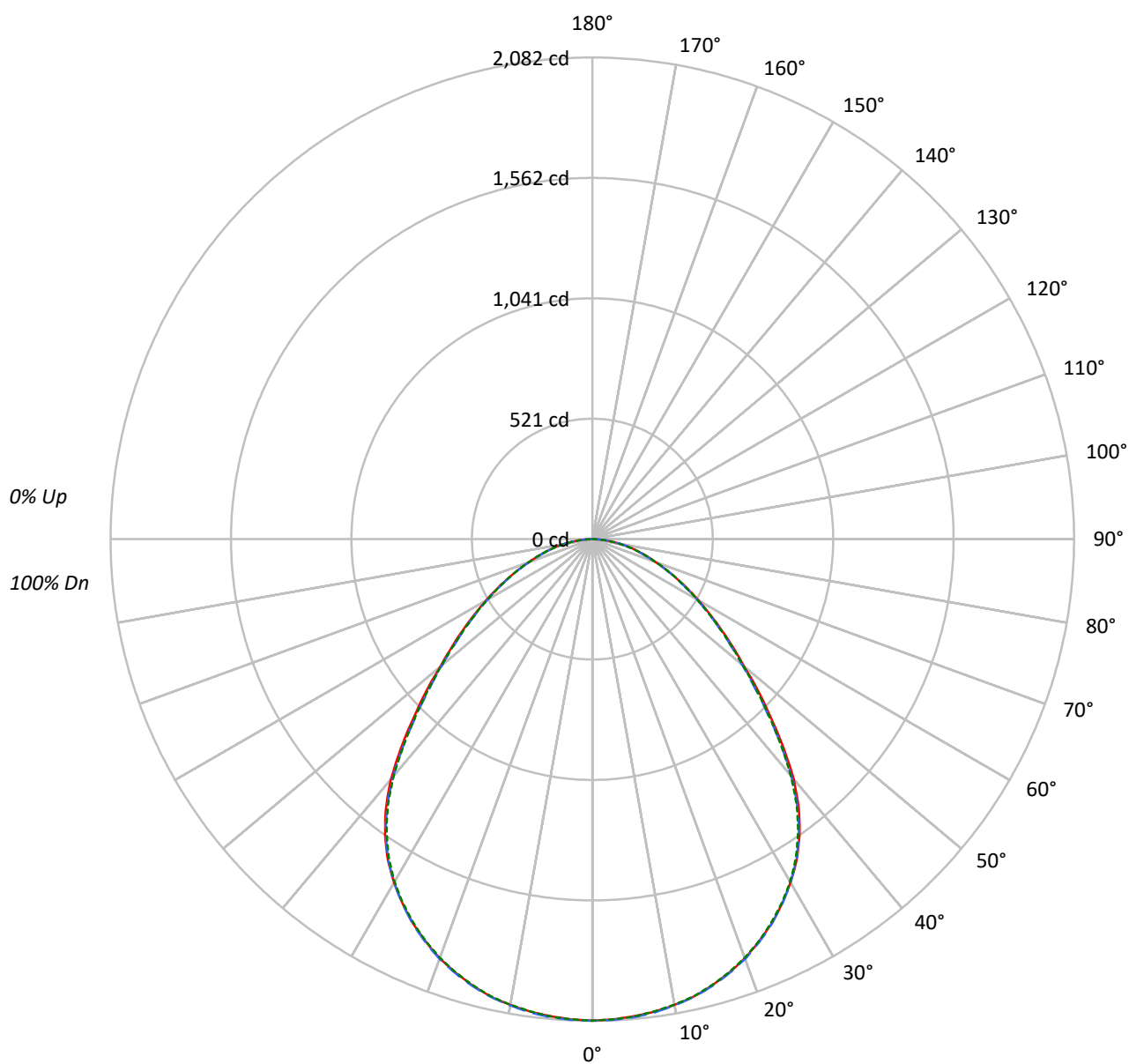
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4690.9 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 49.8  
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°  | 5602 | 5602 | 5602 |
| 5°  | 5592 | 5603 | 5596 |
| 10° | 5588 | 5592 | 5584 |
| 15° | 5565 | 5573 | 5561 |
| 20° | 5521 | 5530 | 5513 |
| 25° | 5444 | 5449 | 5431 |
| 30° | 5326 | 5326 | 5312 |
| 35° | 5130 | 5116 | 5092 |
| 40° | 4754 | 4702 | 4687 |
| 45° | 4155 | 4088 | 4105 |
| 50° | 3588 | 3544 | 3563 |
| 55° | 3189 | 3140 | 3147 |
| 60° | 2855 | 2815 | 2815 |
| 65° | 2559 | 2540 | 2550 |
| 70° | 2301 | 2279 | 2301 |
| 75° | 2136 | 2104 | 2136 |
| 80° | 1991 | 1970 | 1900 |
| 85° | 1689 | 1689 | 1507 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4155 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 197.1  | 4.2       |
| 10°-20°   | 564.0  | 12.0      |
| 20°-30°   | 843.9  | 18.0      |
| 30°-40°   | 966.8  | 20.6      |
| 40°-50°   | 836.2  | 17.8      |
| 50°-60°   | 605.2  | 12.9      |
| 60°-70°   | 398.6  | 8.5       |
| 70°-80°   | 217.0  | 4.6       |
| 80°-90°   | 62.2   | 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°    | 1604.9 | 34.2      |
| 0°-40°    | 2571.8 | 54.8      |
| 0°-60°    | 4013.1 | 85.6      |
| 0°-90°    | 4690.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4690.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2082 | 2082  | 2082 | 2082  | 2082 |      |
| 5°  | 2070 | 2074  | 2074 | 2074  | 2072 | 197  |
| 15° | 1998 | 1999  | 2000 | 2004  | 1996 | 563  |
| 25° | 1834 | 1834  | 1835 | 1836  | 1829 | 843  |
| 35° | 1562 | 1560  | 1557 | 1556  | 1550 | 970  |
| 45° | 1092 | 1089  | 1074 | 1073  | 1079 | 846  |
| 55° | 680  | 677   | 669  | 665   | 671  | 612  |
| 65° | 402  | 405   | 399  | 396   | 400  | 401  |
| 75° | 205  | 205   | 202  | 202   | 205  | 219  |
| 85° | 55   | 55    | 55   | 56    | 49   | 63   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2081.8 | 2081.8 | 2081.8 | 2081.8 | 2081.8 |
| 2.5°  | 2077.4 | 2081.8 | 2080.3 | 2081.8 | 2077.4 |
| 5°    | 2070.0 | 2074.4 | 2074.4 | 2074.4 | 2071.5 |
| 7.5°  | 2059.6 | 2062.6 | 2064.1 | 2065.6 | 2058.2 |
| 10°   | 2044.9 | 2047.8 | 2046.4 | 2049.3 | 2043.4 |
| 12.5° | 2025.7 | 2025.7 | 2027.1 | 2030.1 | 2024.2 |
| 15°   | 1997.6 | 1999.1 | 2000.5 | 2003.5 | 1996.1 |
| 17.5° | 1965.1 | 1966.6 | 1968.0 | 1969.5 | 1963.6 |
| 20°   | 1928.1 | 1928.1 | 1931.1 | 1932.6 | 1925.2 |
| 22.5° | 1882.3 | 1882.3 | 1885.3 | 1889.7 | 1880.9 |
| 25°   | 1833.6 | 1833.6 | 1835.1 | 1836.5 | 1829.2 |
| 27.5° | 1776.0 | 1776.0 | 1777.4 | 1781.9 | 1773.0 |
| 30°   | 1713.9 | 1712.4 | 1713.9 | 1715.4 | 1709.5 |
| 32.5° | 1644.5 | 1643.0 | 1641.5 | 1643.0 | 1635.6 |
| 35°   | 1561.7 | 1560.2 | 1557.3 | 1555.8 | 1549.9 |
| 37.5° | 1465.7 | 1462.7 | 1456.8 | 1456.8 | 1450.9 |
| 40°   | 1353.4 | 1346.0 | 1338.6 | 1335.7 | 1334.2 |
| 42.5° | 1223.4 | 1217.5 | 1207.1 | 1205.6 | 1205.6 |
| 45°   | 1091.9 | 1088.9 | 1074.1 | 1072.7 | 1078.6 |
| 47.5° | 973.7  | 966.3  | 953.0  | 950.0  | 958.9  |
| 50°   | 857.0  | 858.4  | 846.6  | 842.2  | 851.0  |
| 52.5° | 765.3  | 762.4  | 752.1  | 749.1  | 756.5  |
| 55°   | 679.7  | 676.7  | 669.3  | 664.9  | 670.8  |
| 57.5° | 601.3  | 599.9  | 592.5  | 591.0  | 594.0  |
| 60°   | 530.4  | 528.9  | 523.0  | 521.6  | 523.0  |
| 62.5° | 463.9  | 463.9  | 458.0  | 455.1  | 459.5  |
| 65°   | 401.9  | 404.8  | 398.9  | 396.0  | 400.4  |
| 67.5° | 345.7  | 348.7  | 342.8  | 339.8  | 345.7  |
| 70°   | 292.5  | 295.5  | 289.6  | 286.6  | 292.5  |
| 72.5° | 246.7  | 248.2  | 243.8  | 242.3  | 249.7  |
| 75°   | 205.4  | 205.4  | 202.4  | 202.4  | 205.4  |
| 77.5° | 167.0  | 165.5  | 164.0  | 164.0  | 161.0  |
| 80°   | 128.5  | 127.1  | 127.1  | 127.1  | 122.6  |
| 82.5° | 91.6   | 88.7   | 90.1   | 91.6   | 84.2   |
| 85°   | 54.7   | 54.7   | 54.7   | 56.1   | 48.8   |
| 87.5° | 22.2   | 22.2   | 20.7   | 22.2   | 19.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)