

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: P1050267

Luminaire Tested: PTR-14-60-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050267  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-60-PL1-L935-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source:  
Ballast/Driver: -

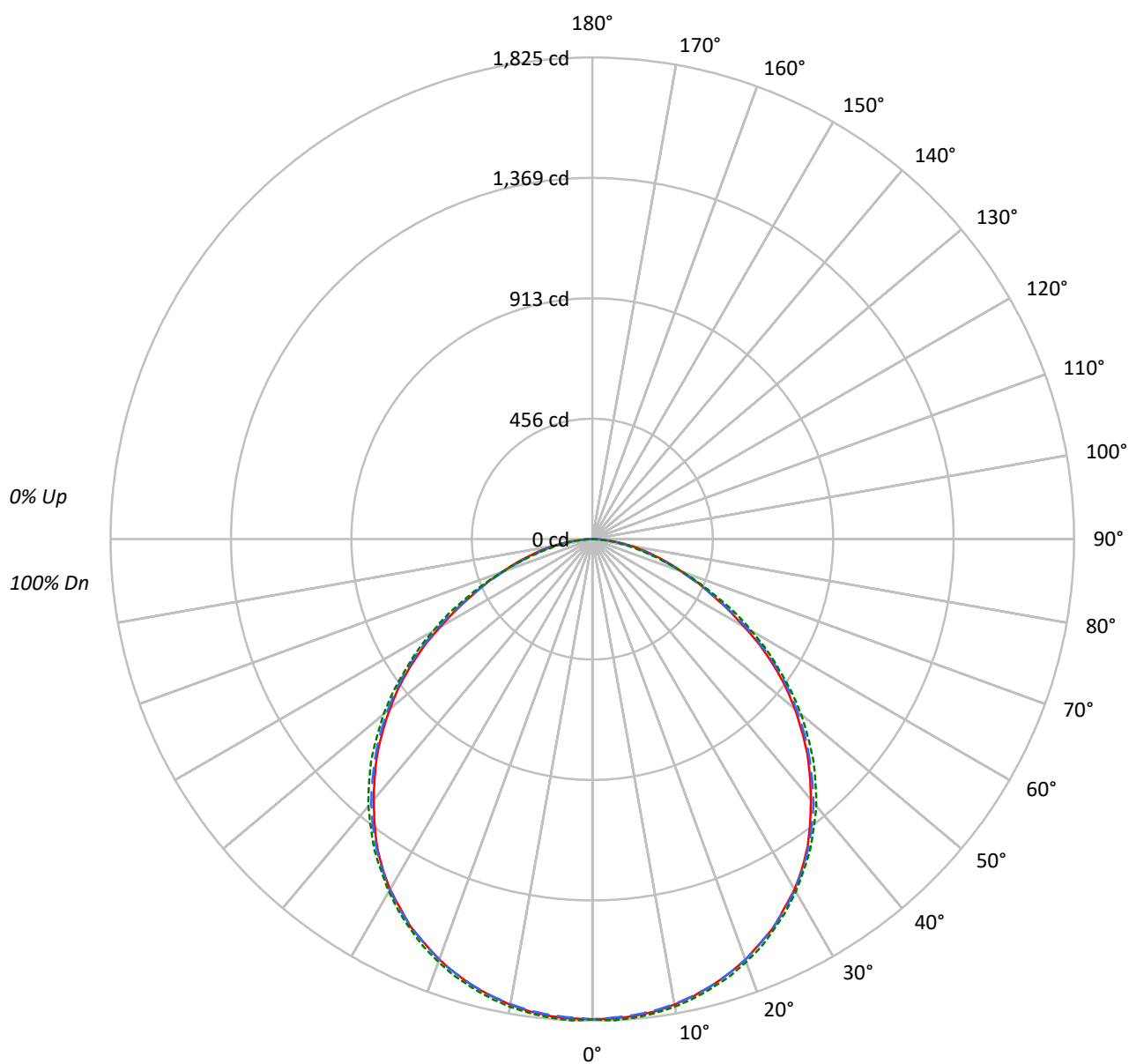
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4795.6 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 94  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 74  | 74  | 72  |
| 3   | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 66  | 77  | 70  | 65  | 74  | 69  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 4   | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 55  | 55  | 52  |
| 5   | 77  | 65  | 56  | 49  | 75  | 64  | 55  | 49  | 61  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 48  | 48  | 46  |
| 6   | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 47  | 42  | 42  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 37  | 37  | 35  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 34  | 34  | 32  |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 30  | 41  | 35  | 30  | 30  | 30  | 29  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 28  | 28  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 4896 | 4896 | 4896 |
| 5°  | 4900 | 4891 | 4918 |
| 10° | 4894 | 4888 | 4916 |
| 15° | 4879 | 4877 | 4901 |
| 20° | 4854 | 4854 | 4882 |
| 25° | 4822 | 4815 | 4841 |
| 30° | 4760 | 4767 | 4790 |
| 35° | 4670 | 4687 | 4726 |
| 40° | 4525 | 4577 | 4636 |
| 45° | 4384 | 4420 | 4505 |
| 50° | 4191 | 4236 | 4320 |
| 55° | 3947 | 4010 | 4057 |
| 60° | 3580 | 3657 | 3747 |
| 65° | 3180 | 3214 | 3344 |
| 70° | 2843 | 2784 | 2854 |
| 75° | 2564 | 2416 | 2368 |
| 80° | 2331 | 2163 | 1920 |
| 85° | 1973 | 1791 | 1544 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4505 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 172.6  | 3.6       |
| 10°-20°   | 495.0  | 10.3      |
| 20°-30°   | 748.7  | 15.6      |
| 30°-40°   | 892.4  | 18.6      |
| 40°-50°   | 897.4  | 18.7      |
| 50°-60°   | 761.6  | 15.9      |
| 60°-70°   | 507.1  | 10.6      |
| 70°-80°   | 253.2  | 5.3       |
| 80°-90°   | 67.7   | 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°    | 1416.2 | 29.5      |
| 0°-40°    | 2308.6 | 48.1      |
| 0°-60°    | 3967.6 | 82.7      |
| 0°-90°    | 4795.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4795.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1819 | 1819  | 1819 | 1819  | 1819 |      |
| 5°  | 1814 | 1814  | 1810 | 1819  | 1820 | 172  |
| 15° | 1751 | 1753  | 1750 | 1758  | 1759 | 494  |
| 25° | 1624 | 1624  | 1622 | 1629  | 1630 | 747  |
| 35° | 1422 | 1423  | 1427 | 1437  | 1438 | 887  |
| 45° | 1152 | 1154  | 1161 | 1177  | 1184 | 886  |
| 55° | 841  | 847   | 855  | 863   | 865  | 750  |
| 65° | 499  | 504   | 505  | 512   | 525  | 501  |
| 75° | 247  | 243   | 232  | 227   | 228  | 265  |
| 85° | 64   | 63    | 58   | 55    | 50   | 74   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1819.3 | 1819.3 | 1819.3 | 1819.3 | 1819.3 |
| 2.5°  | 1817.8 | 1819.3 | 1814.4 | 1823.2 | 1825.4 |
| 5°    | 1813.9 | 1814.4 | 1810.5 | 1818.6 | 1820.5 |
| 7.5°  | 1805.1 | 1805.8 | 1801.7 | 1810.5 | 1811.7 |
| 10°   | 1790.9 | 1792.4 | 1788.9 | 1797.0 | 1799.0 |
| 12.5° | 1772.8 | 1774.7 | 1771.3 | 1780.1 | 1781.6 |
| 15°   | 1751.2 | 1753.2 | 1750.5 | 1757.8 | 1759.3 |
| 17.5° | 1724.8 | 1726.2 | 1724.8 | 1731.6 | 1735.5 |
| 20°   | 1695.1 | 1695.1 | 1695.1 | 1701.3 | 1704.7 |
| 22.5° | 1658.2 | 1661.6 | 1660.1 | 1668.2 | 1671.6 |
| 25°   | 1623.9 | 1623.9 | 1621.7 | 1629.3 | 1630.5 |
| 27.5° | 1575.9 | 1581.2 | 1580.8 | 1587.4 | 1588.8 |
| 30°   | 1532.0 | 1533.5 | 1534.2 | 1538.9 | 1541.6 |
| 32.5° | 1478.9 | 1480.1 | 1482.3 | 1488.9 | 1489.6 |
| 35°   | 1421.6 | 1423.0 | 1426.9 | 1437.0 | 1438.5 |
| 37.5° | 1354.9 | 1362.3 | 1365.7 | 1376.5 | 1377.7 |
| 40°   | 1288.1 | 1292.7 | 1303.0 | 1314.3 | 1319.7 |
| 42.5° | 1220.0 | 1225.4 | 1231.5 | 1246.9 | 1251.8 |
| 45°   | 1151.9 | 1153.8 | 1161.4 | 1176.9 | 1183.7 |
| 47.5° | 1076.5 | 1082.6 | 1089.2 | 1102.7 | 1106.8 |
| 50°   | 1001.0 | 1007.6 | 1011.8 | 1023.8 | 1031.9 |
| 52.5° | 924.8  | 931.0  | 935.6  | 943.0  | 951.1  |
| 55°   | 841.3  | 847.2  | 854.8  | 862.9  | 864.8  |
| 57.5° | 756.3  | 762.9  | 767.8  | 776.4  | 785.2  |
| 60°   | 665.2  | 672.8  | 679.4  | 687.5  | 696.3  |
| 62.5° | 580.5  | 583.7  | 590.5  | 604.0  | 616.7  |
| 65°   | 499.4  | 503.6  | 504.8  | 512.4  | 525.1  |
| 67.5° | 432.1  | 432.1  | 425.9  | 428.6  | 442.8  |
| 70°   | 361.3  | 358.6  | 353.9  | 351.2  | 362.7  |
| 72.5° | 304.0  | 300.5  | 290.5  | 285.8  | 292.0  |
| 75°   | 246.6  | 243.2  | 232.4  | 227.0  | 227.8  |
| 77.5° | 198.1  | 192.8  | 183.9  | 174.6  | 172.7  |
| 80°   | 150.4  | 148.2  | 139.6  | 130.8  | 123.9  |
| 82.5° | 106.5  | 101.9  | 97.0   | 91.6   | 86.2   |
| 85°   | 63.9   | 62.7   | 58.0   | 54.6   | 50.0   |
| 87.5° | 26.2   | 26.2   | 25.0   | 23.5   | 22.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)