

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: P1050988

Luminaire Tested: 24PTR-60-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050988  
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-60-PR1-L935-UNV-STD-W  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS  
  
Light Source:  
Ballast/Driver: -

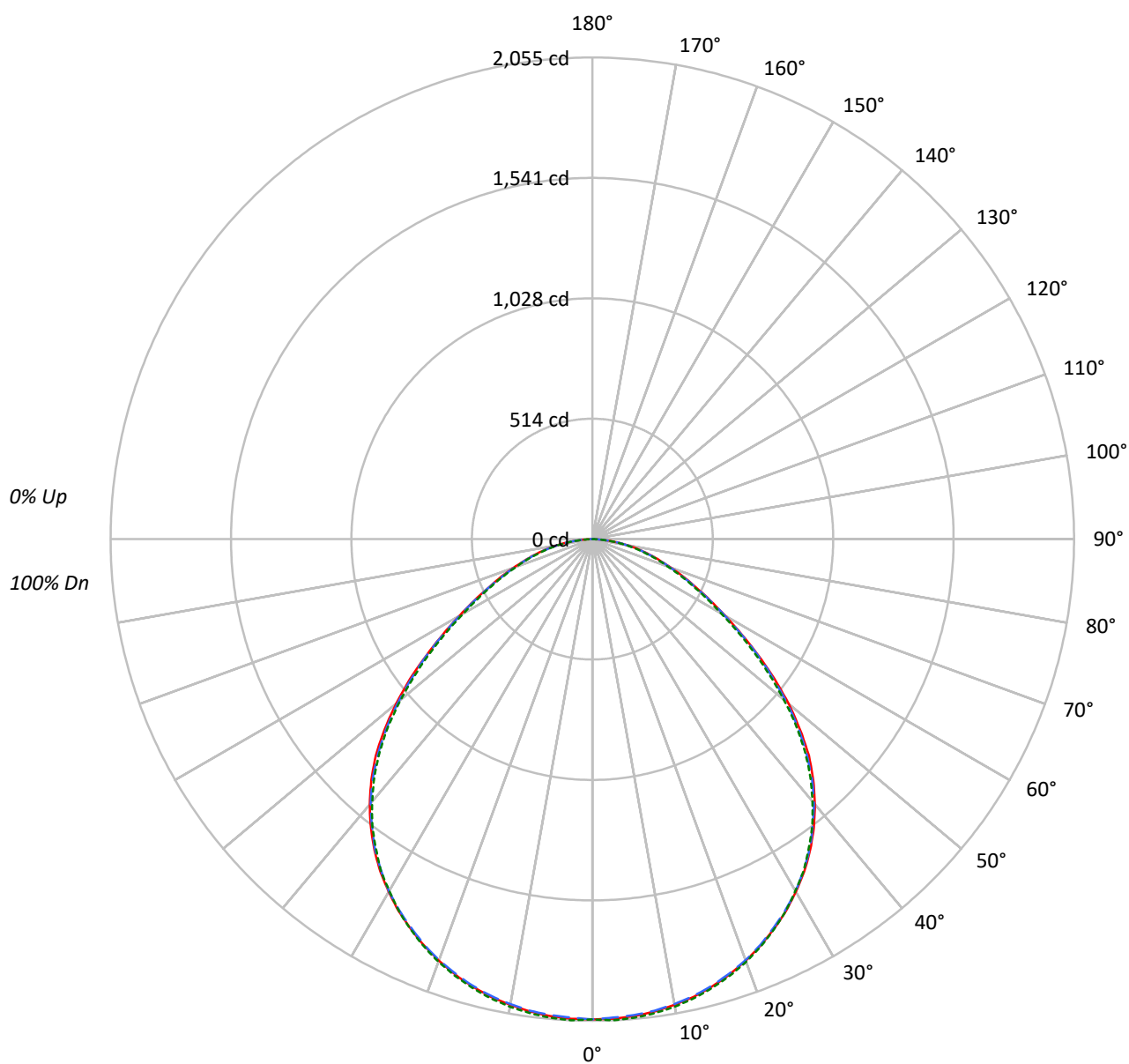
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5181.7 lumens  
Efficiency: N/A  
Efficacy: 101.6 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): 51  
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

TEST NUMBER: P1050988

CATALOG NUMBER: 24PTR-60-PR1-L935-UNV-STD-W

### Luminous Intensity Polar Plot



TEST NUMBER: P1050988

CATALOG NUMBER: 24PTR-60-PR1-L935-UNV-STD-W

**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 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 88  | 88  | 88  | 85  |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 75  | 75  | 73  |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  | 78  | 71  | 66  | 75  | 70  | 65  | 72  | 68  | 64  | 64  | 64  | 62  |
| 4   | 85  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 56  | 56  | 54  |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 56  | 50  | 62  | 55  | 50  | 61  | 54  | 49  | 59  | 53  | 49  | 49  | 49  | 47  |
| 6   | 72  | 59  | 51  | 45  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 49  | 44  | 53  | 48  | 43  | 43  | 43  | 41  |
| 7   | 67  | 54  | 45  | 40  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 39  | 39  | 37  |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 35  | 35  | 33  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 31  | 31  | 31  | 30  |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 39  | 33  | 29  | 29  | 29  | 27  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2757 | 2757 | 2757 |
| 5°  | 2759 | 2753 | 2768 |
| 10° | 2757 | 2752 | 2767 |
| 15° | 2752 | 2748 | 2761 |
| 20° | 2740 | 2737 | 2748 |
| 25° | 2723 | 2716 | 2726 |
| 30° | 2698 | 2695 | 2692 |
| 35° | 2661 | 2655 | 2644 |
| 40° | 2594 | 2584 | 2565 |
| 45° | 2486 | 2458 | 2440 |
| 50° | 2287 | 2262 | 2233 |
| 55° | 2024 | 2016 | 1976 |
| 60° | 1759 | 1753 | 1705 |
| 65° | 1550 | 1541 | 1510 |
| 70° | 1406 | 1387 | 1358 |
| 75° | 1302 | 1272 | 1248 |
| 80° | 1189 | 1172 | 1133 |
| 85° | 939  | 931  | 894  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2486 cd/sqm

TEST NUMBER: P1050988

CATALOG NUMBER: 24PTR-60-PR1-L935-UNV-STD-W

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 194.3  | 3.8       |
| 10°-20°   | 557.9  | 10.8      |
| 20°-30°   | 845.1  | 16.3      |
| 30°-40°   | 1008.9 | 19.5      |
| 40°-50°   | 992.2  | 19.1      |
| 50°-60°   | 766.8  | 14.8      |
| 60°-70°   | 483.5  | 9.3       |
| 70°-80°   | 261.5  | 5.0       |
| 80°-90°   | 71.4   | 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°    | 1597.3 | 30.8      |
| 0°-40°    | 2606.2 | 50.3      |
| 0°-60°    | 4365.2 | 84.2      |
| 0°-90°    | 5181.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5181.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2049 | 2049  | 2049 | 2049  | 2049 |      |
| 5°  | 2043 | 2044  | 2038 | 2047  | 2050 | 194  |
| 15° | 1976 | 1976  | 1973 | 1979  | 1982 | 558  |
| 25° | 1834 | 1835  | 1829 | 1835  | 1836 | 845  |
| 35° | 1620 | 1621  | 1616 | 1614  | 1610 | 1012 |
| 45° | 1306 | 1301  | 1292 | 1282  | 1282 | 1000 |
| 55° | 863  | 870   | 859  | 845   | 842  | 774  |
| 65° | 487  | 488   | 484  | 476   | 474  | 490  |
| 75° | 250  | 248   | 245  | 246   | 240  | 266  |
| 85° | 61   | 62    | 60   | 61    | 58   | 72   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1050988

CATALOG NUMBER: 24PTR-60-PR1-L935-UNV-STD-W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2048.9 | 2048.9 | 2048.9 | 2048.9 | 2048.9 |
| 2.5°  | 2048.1 | 2048.9 | 2043.1 | 2052.7 | 2054.8 |
| 5°    | 2043.1 | 2043.9 | 2038.5 | 2047.3 | 2049.7 |
| 7.5°  | 2032.7 | 2034.3 | 2029.2 | 2038.0 | 2040.1 |
| 10°   | 2018.0 | 2019.6 | 2014.5 | 2023.3 | 2025.5 |
| 12.5° | 1999.8 | 2000.4 | 1996.1 | 2004.1 | 2006.2 |
| 15°   | 1975.6 | 1976.1 | 1972.6 | 1979.0 | 1982.0 |
| 17.5° | 1947.5 | 1948.3 | 1943.3 | 1951.3 | 1952.6 |
| 20°   | 1913.9 | 1914.5 | 1911.5 | 1918.2 | 1919.0 |
| 22.5° | 1876.3 | 1877.9 | 1873.4 | 1879.2 | 1880.0 |
| 25°   | 1833.9 | 1835.2 | 1829.3 | 1835.2 | 1836.0 |
| 27.5° | 1789.1 | 1789.6 | 1784.5 | 1789.1 | 1788.3 |
| 30°   | 1736.8 | 1741.3 | 1734.6 | 1733.0 | 1732.5 |
| 32.5° | 1682.6 | 1683.1 | 1676.7 | 1675.1 | 1678.1 |
| 35°   | 1620.2 | 1620.7 | 1616.4 | 1614.3 | 1609.7 |
| 37.5° | 1551.8 | 1551.8 | 1543.6 | 1542.2 | 1541.4 |
| 40°   | 1476.9 | 1476.1 | 1471.0 | 1465.9 | 1460.6 |
| 42.5° | 1395.2 | 1396.8 | 1386.4 | 1377.6 | 1376.3 |
| 45°   | 1306.4 | 1301.3 | 1291.7 | 1281.6 | 1282.4 |
| 47.5° | 1201.5 | 1202.8 | 1189.8 | 1181.5 | 1179.4 |
| 50°   | 1092.6 | 1092.6 | 1080.4 | 1071.6 | 1067.0 |
| 52.5° | 979.0  | 979.8  | 968.0  | 956.3  | 953.9  |
| 55°   | 862.9  | 870.1  | 859.2  | 845.3  | 842.4  |
| 57.5° | 754.3  | 760.2  | 749.8  | 735.1  | 734.3  |
| 60°   | 653.7  | 654.3  | 651.3  | 637.4  | 633.7  |
| 62.5° | 567.8  | 564.1  | 562.5  | 555.3  | 550.7  |
| 65°   | 487.0  | 487.8  | 484.0  | 475.7  | 474.4  |
| 67.5° | 421.6  | 420.8  | 414.1  | 409.0  | 406.1  |
| 70°   | 357.5  | 355.4  | 352.5  | 348.2  | 345.3  |
| 72.5° | 300.4  | 300.4  | 298.0  | 296.7  | 291.6  |
| 75°   | 250.5  | 247.6  | 244.7  | 246.0  | 240.1  |
| 77.5° | 202.8  | 199.9  | 197.4  | 194.5  | 193.2  |
| 80°   | 153.4  | 150.5  | 151.3  | 146.8  | 146.2  |
| 82.5° | 106.5  | 106.5  | 105.1  | 101.4  | 102.2  |
| 85°   | 60.8   | 61.6   | 60.3   | 60.8   | 57.9   |
| 87.5° | 22.1   | 22.7   | 24.3   | 22.7   | 22.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)