

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: P1050747

Luminaire Tested: 24PTR-72-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050747  
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: 24PTR-72-PL1-L930-UNV-STD-W  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source:  
Ballast/Driver: -

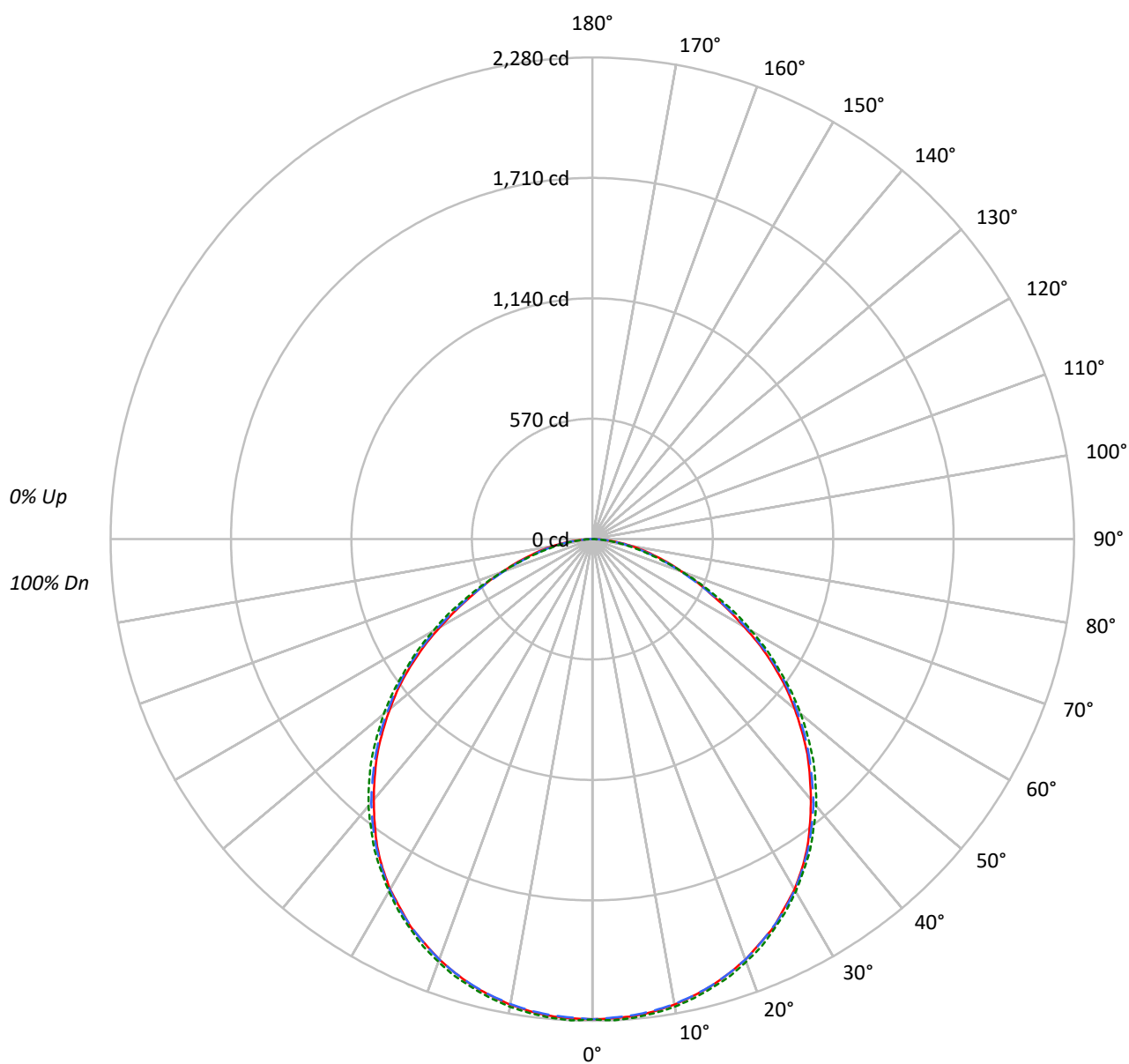
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5990.7 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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 | 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°  | 3058 | 3058 | 3058 |
| 5°  | 3061 | 3055 | 3072 |
| 10° | 3057 | 3053 | 3070 |
| 15° | 3047 | 3046 | 3061 |
| 20° | 3032 | 3032 | 3049 |
| 25° | 3011 | 3007 | 3024 |
| 30° | 2973 | 2978 | 2992 |
| 35° | 2917 | 2928 | 2951 |
| 40° | 2826 | 2859 | 2895 |
| 45° | 2738 | 2761 | 2814 |
| 50° | 2618 | 2646 | 2698 |
| 55° | 2465 | 2505 | 2534 |
| 60° | 2236 | 2284 | 2341 |
| 65° | 1986 | 2008 | 2089 |
| 70° | 1775 | 1739 | 1782 |
| 75° | 1602 | 1510 | 1479 |
| 80° | 1456 | 1351 | 1199 |
| 85° | 1233 | 1119 | 963  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2814 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 215.6  | 3.6       |
| 10°-20°   | 618.3  | 10.3      |
| 20°-30°   | 935.3  | 15.6      |
| 30°-40°   | 1114.8 | 18.6      |
| 40°-50°   | 1121.0 | 18.7      |
| 50°-60°   | 951.4  | 15.9      |
| 60°-70°   | 633.5  | 10.6      |
| 70°-80°   | 316.3  | 5.3       |
| 80°-90°   | 84.6   | 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°    | 1769.2 | 29.5      |
| 0°-40°    | 2884.0 | 48.1      |
| 0°-60°    | 4956.4 | 82.7      |
| 0°-90°    | 5990.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5990.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2273 | 2273  | 2273 | 2273  | 2273 |      |
| 5°  | 2266 | 2267  | 2262 | 2272  | 2274 | 215  |
| 15° | 2188 | 2190  | 2187 | 2196  | 2198 | 617  |
| 25° | 2028 | 2028  | 2026 | 2035  | 2037 | 933  |
| 35° | 1776 | 1778  | 1782 | 1795  | 1797 | 1108 |
| 45° | 1439 | 1441  | 1451 | 1470  | 1479 | 1107 |
| 55° | 1051 | 1058  | 1068 | 1078  | 1080 | 937  |
| 65° | 624  | 629   | 631  | 640   | 656  | 625  |
| 75° | 308  | 304   | 290  | 284   | 284  | 331  |
| 85° | 80   | 78    | 72   | 68    | 62   | 92   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2272.7 | 2272.7 | 2272.7 | 2272.7 | 2272.7 |
| 2.5°  | 2270.9 | 2272.7 | 2266.6 | 2277.6 | 2280.3 |
| 5°    | 2266.0 | 2266.6 | 2261.7 | 2271.8 | 2274.2 |
| 7.5°  | 2254.9 | 2255.9 | 2250.7 | 2261.7 | 2263.2 |
| 10°   | 2237.2 | 2239.0 | 2234.8 | 2244.9 | 2247.3 |
| 12.5° | 2214.6 | 2217.0 | 2212.7 | 2223.7 | 2225.6 |
| 15°   | 2187.6 | 2190.1 | 2186.7 | 2195.9 | 2197.7 |
| 17.5° | 2154.6 | 2156.4 | 2154.6 | 2163.2 | 2168.1 |
| 20°   | 2117.6 | 2117.6 | 2117.6 | 2125.2 | 2129.5 |
| 22.5° | 2071.4 | 2075.7 | 2073.8 | 2083.9 | 2088.2 |
| 25°   | 2028.5 | 2028.5 | 2025.8 | 2035.3 | 2036.8 |
| 27.5° | 1968.6 | 1975.3 | 1974.7 | 1982.9 | 1984.8 |
| 30°   | 1913.8 | 1915.6 | 1916.6 | 1922.4 | 1925.7 |
| 32.5° | 1847.4 | 1848.9 | 1851.7 | 1860.0 | 1860.9 |
| 35°   | 1775.8 | 1777.6 | 1782.5 | 1795.1 | 1796.9 |
| 37.5° | 1692.6 | 1701.8 | 1706.1 | 1719.5 | 1721.0 |
| 40°   | 1609.1 | 1614.9 | 1627.7 | 1641.8 | 1648.5 |
| 42.5° | 1524.0 | 1530.7 | 1538.4 | 1557.7 | 1563.8 |
| 45°   | 1438.9 | 1441.4 | 1450.9 | 1470.2 | 1478.7 |
| 47.5° | 1344.7 | 1352.4 | 1360.6 | 1377.4 | 1382.6 |
| 50°   | 1250.5 | 1258.7 | 1263.9 | 1278.9 | 1289.0 |
| 52.5° | 1155.3 | 1163.0 | 1168.8 | 1178.0 | 1188.1 |
| 55°   | 1051.0 | 1058.3 | 1067.8 | 1077.9 | 1080.4 |
| 57.5° | 944.8  | 953.1  | 959.2  | 969.9  | 980.9  |
| 60°   | 831.0  | 840.5  | 848.7  | 858.8  | 869.9  |
| 62.5° | 725.1  | 729.1  | 737.7  | 754.5  | 770.4  |
| 65°   | 623.9  | 629.1  | 630.6  | 640.1  | 656.0  |
| 67.5° | 539.7  | 539.7  | 532.1  | 535.4  | 553.2  |
| 70°   | 451.3  | 447.9  | 442.1  | 438.8  | 453.1  |
| 72.5° | 379.7  | 375.4  | 362.9  | 357.1  | 364.7  |
| 75°   | 308.1  | 303.8  | 290.4  | 283.6  | 284.5  |
| 77.5° | 247.5  | 240.8  | 229.8  | 218.2  | 215.7  |
| 80°   | 187.9  | 185.1  | 174.4  | 163.4  | 154.8  |
| 82.5° | 133.1  | 127.3  | 121.2  | 114.4  | 107.7  |
| 85°   | 79.9   | 78.3   | 72.5   | 68.2   | 62.4   |
| 87.5° | 32.7   | 32.7   | 31.2   | 29.4   | 27.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)