

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: P1051055

Luminaire Tested: 24PTR-72-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1051055  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-72-PW1-L930-UNV-STD-W  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source:  
Ballast/Driver: -

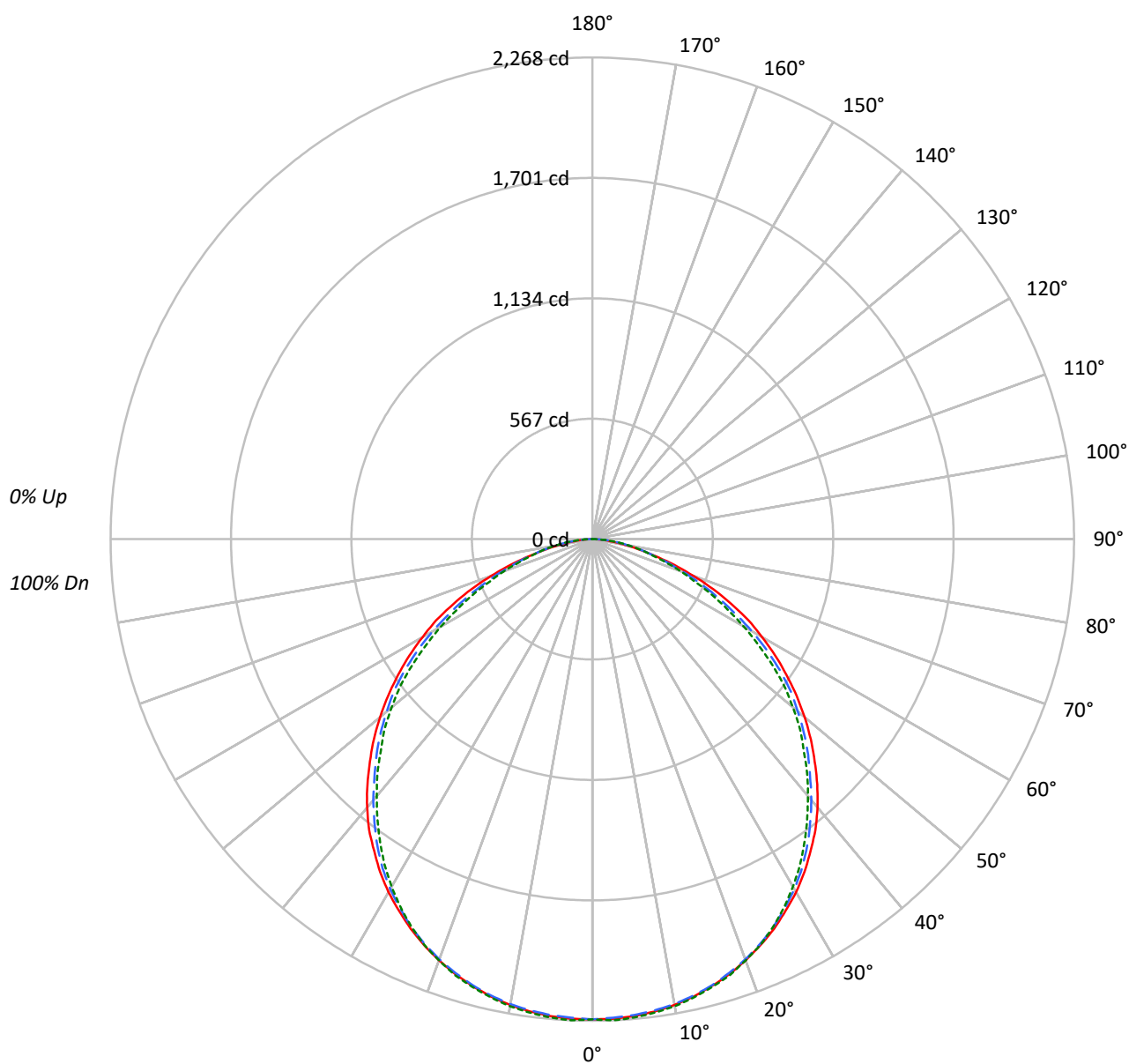
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6000.4 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34  
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  | 95  | 98  | 95  | 92  | 94  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 86  | 81  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 74  | 74  | 71  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 57  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 54  | 54  | 54  | 52  |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 47  | 47  | 45  |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 42  | 54  | 47  | 42  | 52  | 46  | 42  | 42  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 37  | 37  | 35  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 33  | 33  | 33  | 31  |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 30  | 30  | 28  |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 38  | 32  | 27  | 27  | 27  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3042 | 3042 | 3042 |
| 5°  | 3045 | 3038 | 3054 |
| 10° | 3043 | 3037 | 3052 |
| 15° | 3034 | 3030 | 3041 |
| 20° | 3022 | 3015 | 3022 |
| 25° | 3005 | 2992 | 2990 |
| 30° | 2982 | 2956 | 2935 |
| 35° | 2942 | 2898 | 2861 |
| 40° | 2897 | 2818 | 2774 |
| 45° | 2817 | 2734 | 2678 |
| 50° | 2732 | 2643 | 2582 |
| 55° | 2618 | 2529 | 2429 |
| 60° | 2482 | 2336 | 2214 |
| 65° | 2296 | 2086 | 1982 |
| 70° | 1991 | 1816 | 1747 |
| 75° | 1589 | 1554 | 1511 |
| 80° | 1208 | 1349 | 1349 |
| 85° | 892  | 1152 | 1152 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2817 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 214.4  | 3.6       |
| 10°-20°   | 615.0  | 10.2      |
| 20°-30°   | 929.5  | 15.5      |
| 30°-40°   | 1103.7 | 18.4      |
| 40°-50°   | 1112.0 | 18.5      |
| 50°-60°   | 961.2  | 16.0      |
| 60°-70°   | 656.9  | 10.9      |
| 70°-80°   | 323.9  | 5.4       |
| 80°-90°   | 83.8   | 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°    | 1759.0 | 29.3      |
| 0°-40°    | 2862.7 | 47.7      |
| 0°-60°    | 4935.8 | 82.3      |
| 0°-90°    | 6000.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6000.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2261 | 2261  | 2261 | 2261  | 2261 |      |
| 5°  | 2254 | 2255  | 2250 | 2259  | 2261 | 214  |
| 15° | 2178 | 2181  | 2175 | 2182  | 2183 | 615  |
| 25° | 2024 | 2022  | 2016 | 2018  | 2014 | 932  |
| 35° | 1791 | 1785  | 1764 | 1748  | 1742 | 1121 |
| 45° | 1480 | 1464  | 1437 | 1420  | 1407 | 1143 |
| 55° | 1116 | 1113  | 1078 | 1046  | 1035 | 998  |
| 65° | 721  | 695   | 655  | 626   | 623  | 712  |
| 75° | 306  | 303   | 299  | 299   | 291  | 333  |
| 85° | 58   | 68    | 75   | 76    | 75   | 71   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2261.1 | 2261.1 | 2261.1 | 2261.1 | 2261.1 |
| 2.5°  | 2260.5 | 2261.1 | 2255.3 | 2265.3 | 2267.8 |
| 5°    | 2254.4 | 2255.3 | 2249.5 | 2258.6 | 2261.1 |
| 7.5°  | 2243.7 | 2245.2 | 2238.5 | 2247.7 | 2249.5 |
| 10°   | 2227.6 | 2228.5 | 2222.7 | 2231.8 | 2233.7 |
| 12.5° | 2206.0 | 2206.6 | 2201.7 | 2209.9 | 2209.9 |
| 15°   | 2178.3 | 2180.7 | 2174.9 | 2182.5 | 2183.1 |
| 17.5° | 2147.2 | 2148.1 | 2142.3 | 2150.5 | 2152.4 |
| 20°   | 2110.4 | 2110.4 | 2105.5 | 2112.2 | 2110.4 |
| 22.5° | 2069.3 | 2069.3 | 2063.5 | 2066.8 | 2068.3 |
| 25°   | 2024.2 | 2022.4 | 2015.7 | 2017.5 | 2014.2 |
| 27.5° | 1972.1 | 1972.1 | 1960.3 | 1960.3 | 1954.5 |
| 30°   | 1919.5 | 1915.2 | 1902.7 | 1895.1 | 1889.3 |
| 32.5° | 1858.9 | 1853.1 | 1837.3 | 1823.9 | 1819.6 |
| 35°   | 1791.3 | 1785.2 | 1764.2 | 1748.4 | 1741.7 |
| 37.5° | 1725.9 | 1712.5 | 1684.8 | 1668.9 | 1661.3 |
| 40°   | 1649.4 | 1632.7 | 1604.4 | 1582.5 | 1579.1 |
| 42.5° | 1567.5 | 1554.2 | 1517.3 | 1501.2 | 1497.2 |
| 45°   | 1480.5 | 1464.3 | 1436.6 | 1419.9 | 1407.4 |
| 47.5° | 1394.9 | 1383.1 | 1351.4 | 1331.3 | 1327.0 |
| 50°   | 1305.1 | 1295.1 | 1262.5 | 1240.9 | 1233.3 |
| 52.5° | 1212.3 | 1205.6 | 1177.9 | 1150.2 | 1141.0 |
| 55°   | 1116.1 | 1112.7 | 1078.3 | 1046.4 | 1035.4 |
| 57.5° | 1021.4 | 1017.1 | 974.2  | 937.4  | 927.3  |
| 60°   | 922.4  | 910.0  | 868.0  | 833.6  | 822.6  |
| 62.5° | 828.7  | 801.9  | 756.5  | 729.7  | 717.3  |
| 65°   | 721.2  | 695.3  | 655.1  | 626.5  | 622.6  |
| 67.5° | 615.9  | 584.8  | 553.8  | 536.1  | 522.7  |
| 70°   | 506.0  | 485.0  | 461.5  | 446.6  | 444.2  |
| 72.5° | 403.7  | 388.8  | 376.9  | 367.8  | 360.1  |
| 75°   | 305.7  | 303.2  | 299.0  | 299.0  | 290.7  |
| 77.5° | 224.7  | 230.5  | 233.8  | 232.9  | 234.7  |
| 80°   | 155.9  | 167.4  | 174.1  | 175.1  | 174.1  |
| 82.5° | 98.9   | 112.3  | 123.3  | 124.8  | 126.6  |
| 85°   | 57.8   | 67.9   | 74.6   | 76.1   | 74.6   |
| 87.5° | 25.9   | 32.6   | 34.4   | 35.9   | 34.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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





(END OF REPORT)