

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: P1050270

Luminaire Tested: PTR-14-30-PLG-L830-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050270  
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-14-30-PLG-L830-UNV-STD-W  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS  
  
Light Source:  
Ballast/Driver: -

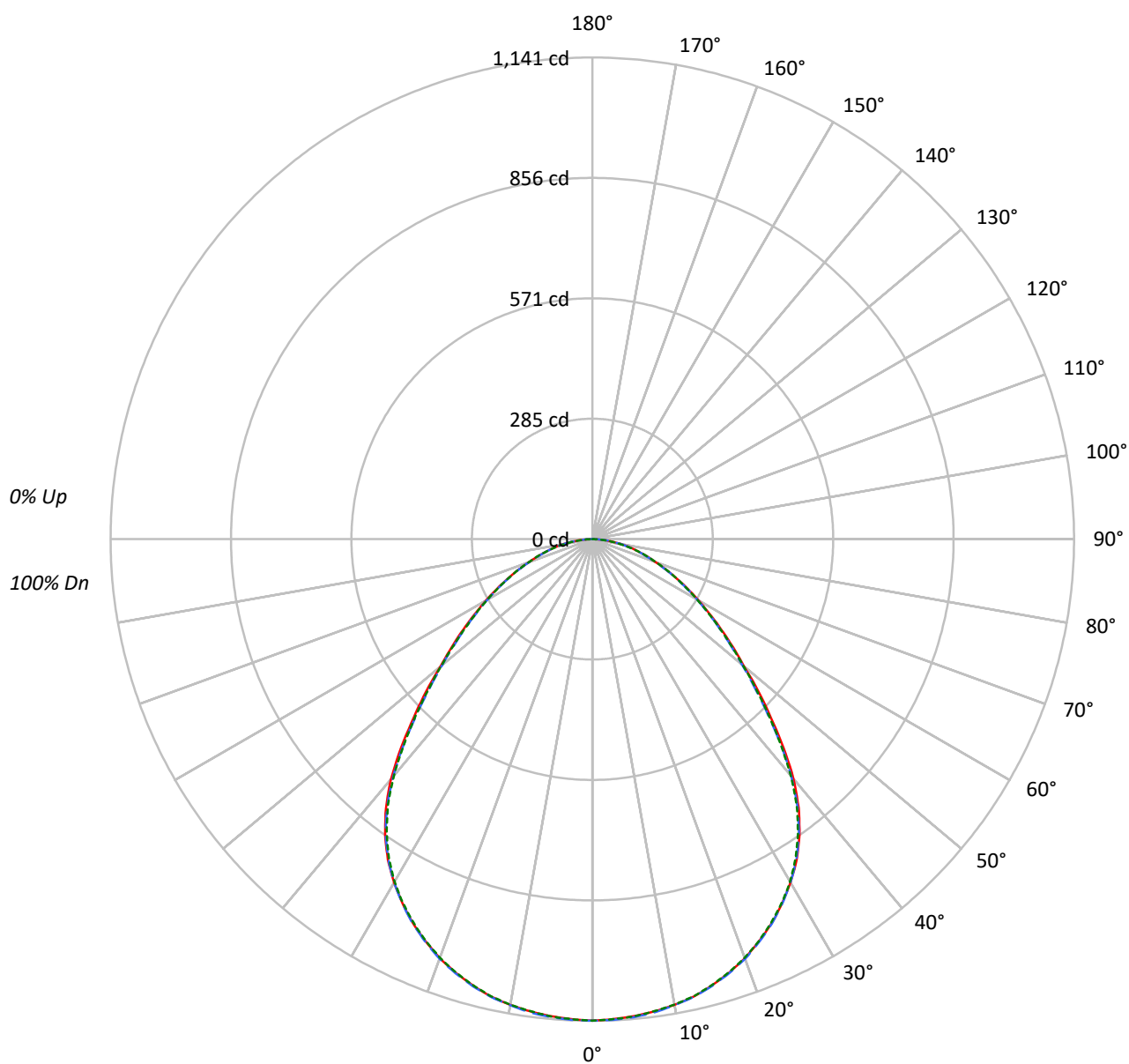
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2570.3 lumens  
Efficiency: N/A  
Efficacy: 111.8 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): 23  
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°  | 3070 | 3070 | 3070 |
| 5°  | 3064 | 3070 | 3066 |
| 10° | 3061 | 3064 | 3059 |
| 15° | 3049 | 3054 | 3047 |
| 20° | 3025 | 3030 | 3021 |
| 25° | 2983 | 2985 | 2976 |
| 30° | 2918 | 2918 | 2911 |
| 35° | 2811 | 2803 | 2790 |
| 40° | 2605 | 2577 | 2568 |
| 45° | 2277 | 2240 | 2249 |
| 50° | 1966 | 1942 | 1952 |
| 55° | 1747 | 1720 | 1724 |
| 60° | 1564 | 1542 | 1542 |
| 65° | 1402 | 1392 | 1397 |
| 70° | 1261 | 1249 | 1261 |
| 75° | 1170 | 1153 | 1170 |
| 80° | 1091 | 1079 | 1041 |
| 85° | 926  | 926  | 824  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2277 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 108.0  | 4.2       |
| 10°-20°   | 309.0  | 12.0      |
| 20°-30°   | 462.4  | 18.0      |
| 30°-40°   | 529.7  | 20.6      |
| 40°-50°   | 458.2  | 17.8      |
| 50°-60°   | 331.6  | 12.9      |
| 60°-70°   | 218.4  | 8.5       |
| 70°-80°   | 118.9  | 4.6       |
| 80°-90°   | 34.1   | 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°    | 879.4  | 34.2      |
| 0°-40°    | 1409.1 | 54.8      |
| 0°-60°    | 2198.9 | 85.6      |
| 0°-90°    | 2570.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2570.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1141 | 1141  | 1141 | 1141  | 1141 |      |
| 5°  | 1134 | 1137  | 1137 | 1137  | 1135 | 108  |
| 15° | 1094 | 1095  | 1096 | 1098  | 1094 | 309  |
| 25° | 1005 | 1005  | 1006 | 1006  | 1002 | 462  |
| 35° | 856  | 855   | 853  | 852   | 849  | 532  |
| 45° | 598  | 597   | 588  | 588   | 591  | 463  |
| 55° | 372  | 371   | 367  | 364   | 368  | 335  |
| 65° | 220  | 222   | 219  | 217   | 219  | 220  |
| 75° | 112  | 112   | 111  | 111   | 112  | 120  |
| 85° | 30   | 30    | 30   | 31    | 27   | 35   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1140.7 | 1140.7 | 1140.7 | 1140.7 | 1140.7 |
| 2.5°  | 1138.2 | 1140.7 | 1139.9 | 1140.7 | 1138.2 |
| 5°    | 1134.2 | 1136.6 | 1136.6 | 1136.6 | 1135.0 |
| 7.5°  | 1128.5 | 1130.1 | 1131.0 | 1131.8 | 1127.7 |
| 10°   | 1120.4 | 1122.0 | 1121.2 | 1122.9 | 1119.6 |
| 12.5° | 1109.9 | 1109.9 | 1110.7 | 1112.3 | 1109.1 |
| 15°   | 1094.5 | 1095.3 | 1096.1 | 1097.8 | 1093.7 |
| 17.5° | 1076.7 | 1077.5 | 1078.3 | 1079.1 | 1075.9 |
| 20°   | 1056.5 | 1056.5 | 1058.1 | 1058.9 | 1054.9 |
| 22.5° | 1031.4 | 1031.4 | 1033.0 | 1035.4 | 1030.6 |
| 25°   | 1004.7 | 1004.7 | 1005.5 | 1006.3 | 1002.2 |
| 27.5° | 973.1  | 973.1  | 973.9  | 976.3  | 971.5  |
| 30°   | 939.1  | 938.3  | 939.1  | 939.9  | 936.7  |
| 32.5° | 901.0  | 900.2  | 899.4  | 900.2  | 896.2  |
| 35°   | 855.7  | 854.9  | 853.3  | 852.5  | 849.2  |
| 37.5° | 803.1  | 801.5  | 798.2  | 798.2  | 795.0  |
| 40°   | 741.6  | 737.5  | 733.5  | 731.8  | 731.0  |
| 42.5° | 670.3  | 667.1  | 661.4  | 660.6  | 660.6  |
| 45°   | 598.3  | 596.6  | 588.5  | 587.7  | 591.0  |
| 47.5° | 533.5  | 529.5  | 522.2  | 520.5  | 525.4  |
| 50°   | 469.5  | 470.4  | 463.9  | 461.4  | 466.3  |
| 52.5° | 419.4  | 417.7  | 412.1  | 410.4  | 414.5  |
| 55°   | 372.4  | 370.8  | 366.7  | 364.3  | 367.5  |
| 57.5° | 329.5  | 328.7  | 324.6  | 323.8  | 325.4  |
| 60°   | 290.6  | 289.8  | 286.6  | 285.8  | 286.6  |
| 62.5° | 254.2  | 254.2  | 251.0  | 249.3  | 251.8  |
| 65°   | 220.2  | 221.8  | 218.6  | 217.0  | 219.4  |
| 67.5° | 189.4  | 191.1  | 187.8  | 186.2  | 189.4  |
| 70°   | 160.3  | 161.9  | 158.7  | 157.1  | 160.3  |
| 72.5° | 135.2  | 136.0  | 133.6  | 132.8  | 136.8  |
| 75°   | 112.5  | 112.5  | 110.9  | 110.9  | 112.5  |
| 77.5° | 91.5   | 90.7   | 89.9   | 89.9   | 88.2   |
| 80°   | 70.4   | 69.6   | 69.6   | 69.6   | 67.2   |
| 82.5° | 50.2   | 48.6   | 49.4   | 50.2   | 46.1   |
| 85°   | 30.0   | 30.0   | 30.0   | 30.8   | 26.7   |
| 87.5° | 12.1   | 12.1   | 11.3   | 12.1   | 10.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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





(END OF REPORT)