

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: P1050790

Luminaire Tested: 24PTR-60-PLG-L835-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050790  
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: 24PTR-60-PLG-L835-UNV-STD-W  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS  
  
Light Source:  
Ballast/Driver: -

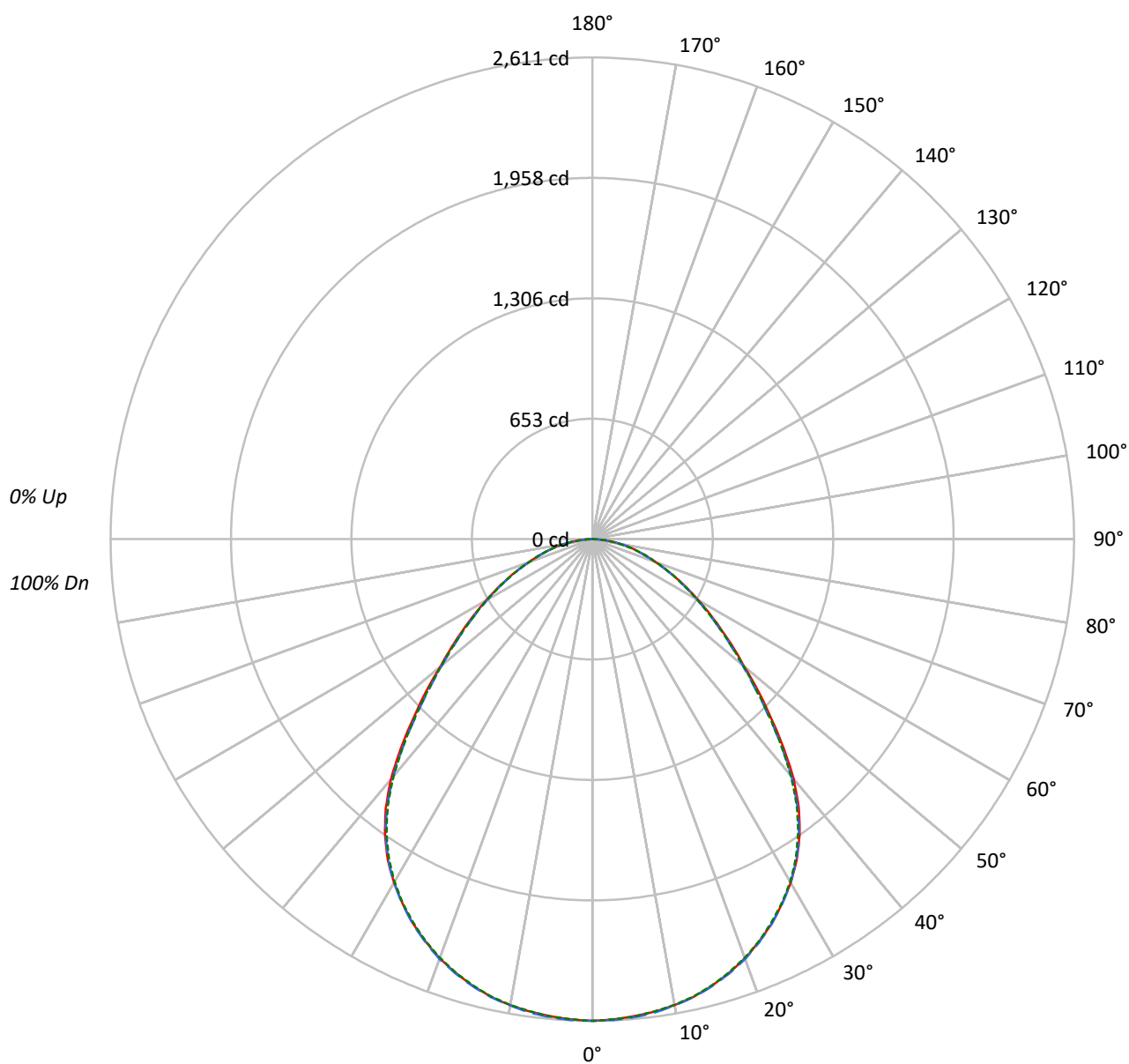
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5884.0 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26  
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

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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 | 100 |    |    |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |    |    |
| 2   | 101 | 94  | 87  | 82  | 99  | 92  | 86  | 81  | 88  | 84  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 74  |    |    |
| 3   | 93  | 83  | 76  | 70  | 91  | 82  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  |    |    |
| 4   | 86  | 75  | 67  | 60  | 84  | 73  | 66  | 60  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 56  |    |    |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 51  | 61  | 55  | 51  | 49  |    |    |
| 6   | 74  | 61  | 53  | 47  | 72  | 60  | 52  | 47  | 58  | 51  | 46  | 57  | 51  | 46  | 55  | 50  | 45  | 43  |    |    |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 47  | 42  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 39  |    |    |
| 8   | 64  | 51  | 43  | 38  | 62  | 51  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 35  |    |    |
| 9   | 60  | 47  | 39  | 34  | 59  | 47  | 39  | 34  | 46  | 39  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    |
| 10  | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 40  | 35  | 31  | 29  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3513 | 3513 | 3513 |
| 5°  | 3507 | 3514 | 3509 |
| 10° | 3504 | 3507 | 3502 |
| 15° | 3490 | 3495 | 3488 |
| 20° | 3463 | 3468 | 3458 |
| 25° | 3414 | 3417 | 3406 |
| 30° | 3340 | 3340 | 3331 |
| 35° | 3218 | 3209 | 3193 |
| 40° | 2982 | 2949 | 2939 |
| 45° | 2606 | 2564 | 2574 |
| 50° | 2250 | 2223 | 2235 |
| 55° | 2000 | 1969 | 1974 |
| 60° | 1790 | 1766 | 1766 |
| 65° | 1605 | 1593 | 1599 |
| 70° | 1443 | 1429 | 1443 |
| 75° | 1339 | 1320 | 1339 |
| 80° | 1249 | 1235 | 1192 |
| 85° | 1059 | 1059 | 945  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2606 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 247.2  | 4.2       |
| 10°-20°   | 707.4  | 12.0      |
| 20°-30°   | 1058.5 | 18.0      |
| 30°-40°   | 1212.7 | 20.6      |
| 40°-50°   | 1048.9 | 17.8      |
| 50°-60°   | 759.1  | 12.9      |
| 60°-70°   | 500.0  | 8.5       |
| 70°-80°   | 272.2  | 4.6       |
| 80°-90°   | 78.0   | 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°    | 2013.1 | 34.2      |
| 0°-40°    | 3225.8 | 54.8      |
| 0°-60°    | 5033.8 | 85.6      |
| 0°-90°    | 5884.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5884.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2611 | 2611  | 2611 | 2611  | 2611 |      |
| 5°  | 2596 | 2602  | 2602 | 2602  | 2598 | 247  |
| 15° | 2506 | 2508  | 2509 | 2513  | 2504 | 707  |
| 25° | 2300 | 2300  | 2302 | 2304  | 2294 | 1058 |
| 35° | 1959 | 1957  | 1953 | 1952  | 1944 | 1217 |
| 45° | 1370 | 1366  | 1347 | 1346  | 1353 | 1061 |
| 55° | 852  | 849   | 840  | 834   | 841  | 767  |
| 65° | 504  | 508   | 500  | 497   | 502  | 503  |
| 75° | 258  | 258   | 254  | 254   | 258  | 274  |
| 85° | 69   | 69    | 69   | 70    | 61   | 79   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2611.3 | 2611.3 | 2611.3 | 2611.3 | 2611.3 |
| 2.5°  | 2605.7 | 2611.3 | 2609.4 | 2611.3 | 2605.7 |
| 5°    | 2596.4 | 2602.0 | 2602.0 | 2602.0 | 2598.3 |
| 7.5°  | 2583.5 | 2587.2 | 2589.0 | 2590.9 | 2581.6 |
| 10°   | 2564.9 | 2568.6 | 2566.8 | 2570.5 | 2563.1 |
| 12.5° | 2540.8 | 2540.8 | 2542.7 | 2546.4 | 2539.0 |
| 15°   | 2505.6 | 2507.5 | 2509.3 | 2513.0 | 2503.8 |
| 17.5° | 2464.9 | 2466.7 | 2468.6 | 2470.4 | 2463.0 |
| 20°   | 2418.5 | 2418.5 | 2422.2 | 2424.1 | 2414.8 |
| 22.5° | 2361.1 | 2361.1 | 2364.8 | 2370.3 | 2359.2 |
| 25°   | 2299.9 | 2299.9 | 2301.8 | 2303.6 | 2294.4 |
| 27.5° | 2227.6 | 2227.6 | 2229.5 | 2235.1 | 2223.9 |
| 30°   | 2149.8 | 2148.0 | 2149.8 | 2151.7 | 2144.2 |
| 32.5° | 2062.7 | 2060.8 | 2059.0 | 2060.8 | 2051.6 |
| 35°   | 1958.9 | 1957.1 | 1953.4 | 1951.5 | 1944.1 |
| 37.5° | 1838.5 | 1834.7 | 1827.3 | 1827.3 | 1819.9 |
| 40°   | 1697.6 | 1688.3 | 1679.1 | 1675.4 | 1673.5 |
| 42.5° | 1534.5 | 1527.1 | 1514.1 | 1512.3 | 1512.3 |
| 45°   | 1369.6 | 1365.9 | 1347.3 | 1345.5 | 1352.9 |
| 47.5° | 1221.3 | 1212.0 | 1195.4 | 1191.7 | 1202.8 |
| 50°   | 1074.9 | 1076.8 | 1061.9 | 1056.4 | 1067.5 |
| 52.5° | 960.0  | 956.3  | 943.3  | 939.6  | 948.9  |
| 55°   | 852.5  | 848.8  | 839.5  | 834.0  | 841.4  |
| 57.5° | 754.3  | 752.4  | 743.2  | 741.3  | 745.0  |
| 60°   | 665.3  | 663.5  | 656.1  | 654.2  | 656.1  |
| 62.5° | 581.9  | 581.9  | 574.5  | 570.8  | 576.4  |
| 65°   | 504.1  | 507.8  | 500.4  | 496.7  | 502.2  |
| 67.5° | 433.7  | 437.4  | 430.0  | 426.3  | 433.7  |
| 70°   | 366.9  | 370.7  | 363.2  | 359.5  | 366.9  |
| 72.5° | 309.5  | 311.4  | 305.8  | 303.9  | 313.2  |
| 75°   | 257.6  | 257.6  | 253.9  | 253.9  | 257.6  |
| 77.5° | 209.4  | 207.6  | 205.7  | 205.7  | 202.0  |
| 80°   | 161.2  | 159.4  | 159.4  | 159.4  | 153.8  |
| 82.5° | 114.9  | 111.2  | 113.1  | 114.9  | 105.6  |
| 85°   | 68.6   | 68.6   | 68.6   | 70.4   | 61.2   |
| 87.5° | 27.8   | 27.8   | 25.9   | 27.8   | 24.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)