

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: P1046906

Luminaire Tested: 22PTR-60-PP3-L850-UNV-STD-W

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046906  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/10/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22PTR-60-PP3-L850-UNV-STD-W  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

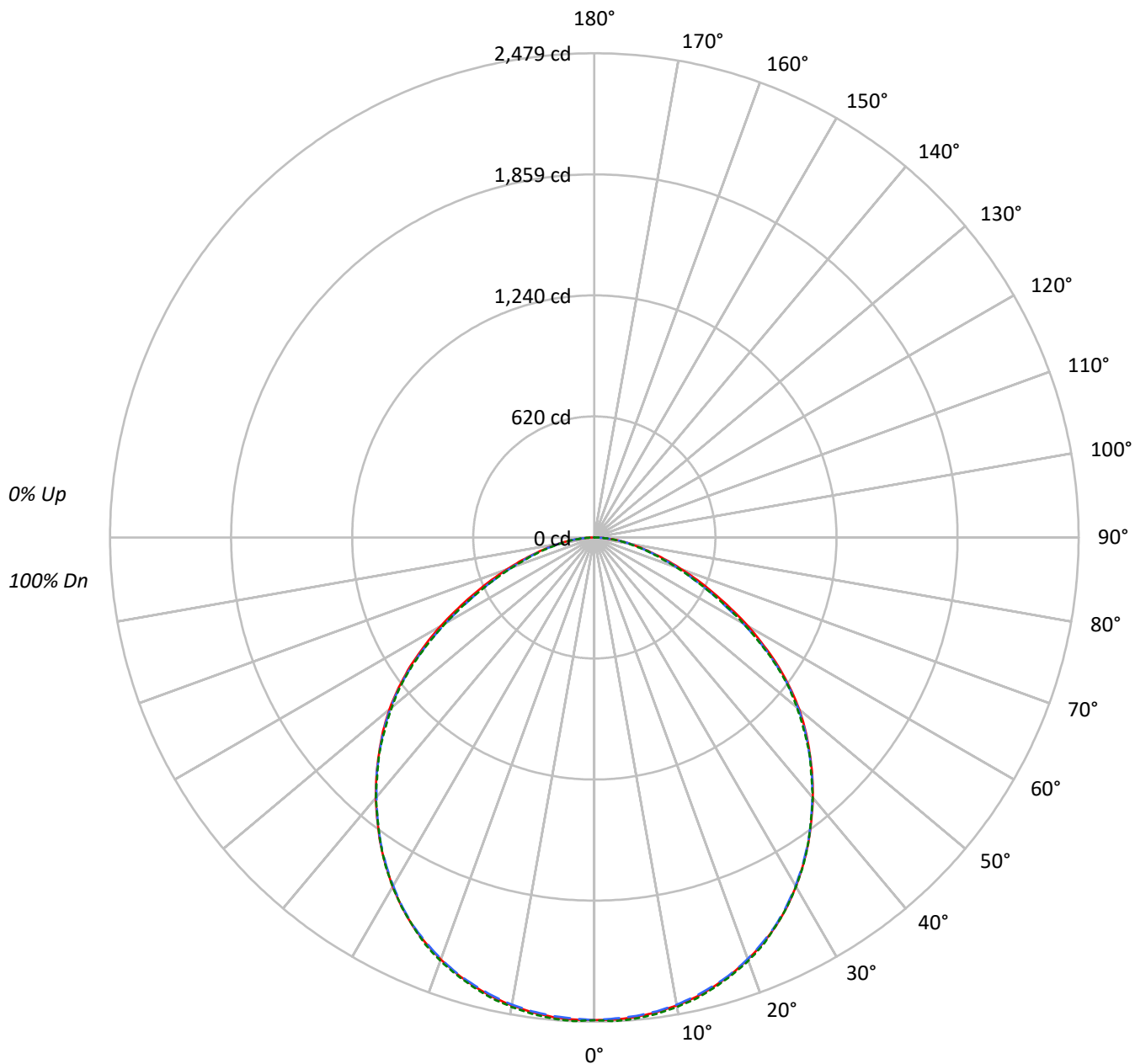
Lumens per Lamp: N/A  
Luminaire Lumens: 6385.5 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct

Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 78  | 84  | 79  | 76  | 81  | 77  | 74  | 72  |    |    |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 61  |    |    |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  |    |    |
| 5   | 77  | 65  | 56  | 50  | 75  | 64  | 56  | 50  | 62  | 55  | 49  | 60  | 54  | 49  | 58  | 52  | 48  | 46  |    |    |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  | 54  | 48  | 43  | 53  | 47  | 42  | 40  |    |    |
| 7   | 66  | 53  | 45  | 39  | 65  | 52  | 44  | 39  | 51  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 38  | 36  |    |    |
| 8   | 62  | 49  | 40  | 35  | 60  | 48  | 40  | 35  | 47  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    |    |
| 9   | 58  | 45  | 37  | 31  | 57  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 31  | 29  |    |    |
| 10  | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |    |    |

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

|     | 0°                                                                                                             | 45° | 90° |
|-----|----------------------------------------------------------------------------------------------------------------|-----|-----|
| 0°  | Luminous shape not found,<br>reference photometric report, or contact<br>the photometric lab for calculations. |     |     |
| 5°  |                                                                                                                |     |     |
| 10° |                                                                                                                |     |     |
| 15° |                                                                                                                |     |     |
| 20° |                                                                                                                |     |     |
| 25° |                                                                                                                |     |     |
| 30° |                                                                                                                |     |     |
| 35° |                                                                                                                |     |     |
| 40° |                                                                                                                |     |     |
| 45° |                                                                                                                |     |     |
| 50° |                                                                                                                |     |     |
| 55° |                                                                                                                |     |     |
| 60° |                                                                                                                |     |     |
| 65° |                                                                                                                |     |     |
| 70° |                                                                                                                |     |     |
| 75° |                                                                                                                |     |     |
| 80° |                                                                                                                |     |     |
| 85° |                                                                                                                |     |     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: -  
Vertical Angle: -  
Luminance: -

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 234.4  | 3.7       |
| 10°-20°   | 671.4  | 10.5      |
| 20°-30°   | 1010.9 | 15.8      |
| 30°-40°   | 1193.1 | 18.7      |
| 40°-50°   | 1199.9 | 18.8      |
| 50°-60°   | 1013.0 | 15.9      |
| 60°-70°   | 650.6  | 10.2      |
| 70°-80°   | 323.6  | 5.1       |
| 80°-90°   | 88.7   | 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°    | 1916.7 | 30.0      |
| 0°-40°    | 3109.8 | 48.7      |
| 0°-60°    | 5322.7 | 83.4      |
| 0°-90°    | 6385.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6385.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2471 | 2471  | 2471 | 2471  | 2471 |      |
| 5°  | 2464 | 2465  | 2459 | 2470  | 2472 | 234  |
| 15° | 2378 | 2379  | 2374 | 2384  | 2384 | 671  |
| 25° | 2197 | 2198  | 2193 | 2198  | 2196 | 1011 |
| 35° | 1910 | 1911  | 1907 | 1909  | 1909 | 1194 |
| 45° | 1558 | 1564  | 1554 | 1556  | 1556 | 1202 |
| 55° | 1150 | 1149  | 1137 | 1132  | 1133 | 1023 |
| 65° | 675  | 666   | 642  | 635   | 640  | 673  |
| 75° | 309  | 308   | 298  | 295   | 291  | 335  |
| 85° | 76   | 79    | 79   | 74    | 74   | 90   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2471.4 | 2471.4 | 2471.4 | 2471.4 | 2471.4 |
| 2.5°  | 2470.4 | 2471.4 | 2464.9 | 2476.6 | 2478.6 |
| 5°    | 2464.2 | 2464.9 | 2458.7 | 2470.4 | 2472.1 |
| 7.5°  | 2451.5 | 2452.5 | 2447.0 | 2457.7 | 2459.7 |
| 10°   | 2432.6 | 2435.6 | 2429.0 | 2439.1 | 2440.8 |
| 12.5° | 2409.5 | 2410.5 | 2403.9 | 2415.7 | 2417.6 |
| 15°   | 2378.2 | 2378.8 | 2373.6 | 2384.4 | 2384.4 |
| 17.5° | 2342.0 | 2343.0 | 2339.4 | 2348.5 | 2347.5 |
| 20°   | 2298.3 | 2300.9 | 2296.4 | 2302.6 | 2306.1 |
| 22.5° | 2250.7 | 2251.7 | 2246.2 | 2254.3 | 2257.9 |
| 25°   | 2197.0 | 2197.6 | 2193.4 | 2197.6 | 2196.0 |
| 27.5° | 2134.0 | 2135.7 | 2129.5 | 2134.0 | 2135.0 |
| 30°   | 2064.0 | 2068.5 | 2059.7 | 2063.3 | 2064.0 |
| 32.5° | 1988.7 | 1991.3 | 1985.1 | 1986.1 | 1990.6 |
| 35°   | 1909.8 | 1910.8 | 1907.2 | 1908.8 | 1908.8 |
| 37.5° | 1824.7 | 1828.3 | 1822.8 | 1825.4 | 1821.8 |
| 40°   | 1740.3 | 1736.7 | 1734.7 | 1736.7 | 1739.3 |
| 42.5° | 1651.3 | 1652.3 | 1649.7 | 1647.7 | 1643.5 |
| 45°   | 1558.1 | 1563.6 | 1553.5 | 1555.5 | 1555.5 |
| 47.5° | 1466.8 | 1467.5 | 1462.2 | 1456.7 | 1453.1 |
| 50°   | 1369.0 | 1369.0 | 1362.5 | 1358.3 | 1352.7 |
| 52.5° | 1262.1 | 1260.5 | 1253.3 | 1248.7 | 1251.3 |
| 55°   | 1150.0 | 1149.0 | 1136.6 | 1132.0 | 1133.0 |
| 57.5° | 1027.1 | 1029.0 | 1010.1 | 1005.6 | 1005.6 |
| 60°   | 909.7  | 900.6  | 879.1  | 872.9  | 880.7  |
| 62.5° | 786.5  | 775.8  | 752.6  | 752.6  | 758.8  |
| 65°   | 675.4  | 665.6  | 641.5  | 635.0  | 640.5  |
| 67.5° | 571.4  | 562.3  | 540.1  | 536.5  | 538.2  |
| 70°   | 472.6  | 464.8  | 451.1  | 443.0  | 445.9  |
| 72.5° | 387.6  | 380.4  | 371.3  | 365.1  | 361.5  |
| 75°   | 309.3  | 307.7  | 297.9  | 295.0  | 291.4  |
| 77.5° | 244.8  | 244.1  | 236.0  | 232.4  | 228.8  |
| 80°   | 183.8  | 182.9  | 181.2  | 175.7  | 173.1  |
| 82.5° | 131.0  | 131.0  | 130.1  | 125.5  | 122.9  |
| 85°   | 76.3   | 78.9   | 78.9   | 74.3   | 74.3   |
| 87.5° | 30.6   | 32.3   | 30.6   | 30.6   | 29.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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







(END OF REPORT)