

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: P1046891

Luminaire Tested: 22PTR-60-PP3-L830-UNV-STD-W

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046891  
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-L830-UNV-STD-W  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

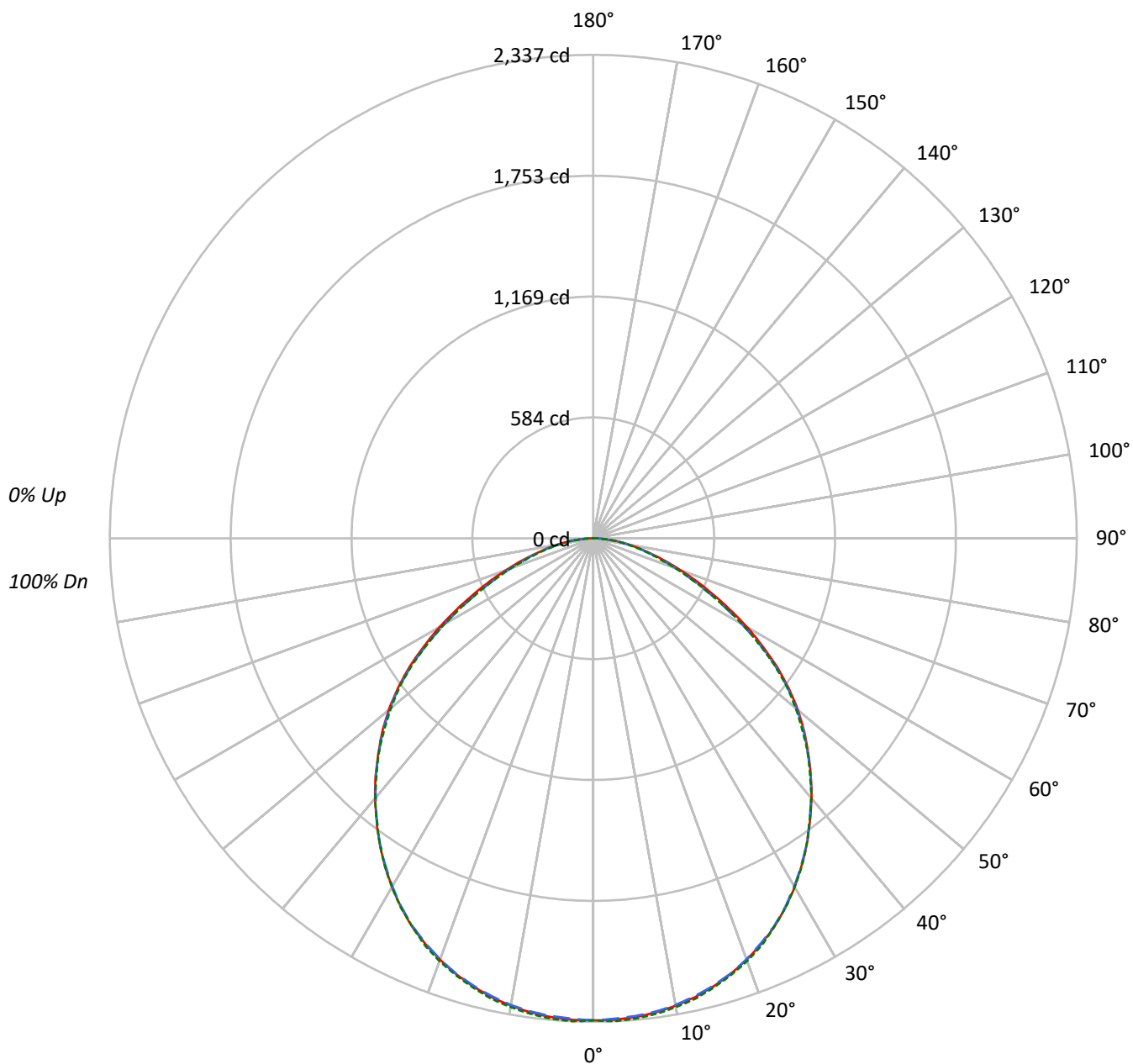
Lumens per Lamp: N/A  
Luminaire Lumens: 6021.8 lumens  
Efficiency: N/A  
Efficacy: 115.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct

Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (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   | 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°    | 221.0  | 3.7       |
| 10°-20°   | 633.2  | 10.5      |
| 20°-30°   | 953.3  | 15.8      |
| 30°-40°   | 1125.1 | 18.7      |
| 40°-50°   | 1131.6 | 18.8      |
| 50°-60°   | 955.3  | 15.9      |
| 60°-70°   | 613.5  | 10.2      |
| 70°-80°   | 305.1  | 5.1       |
| 80°-90°   | 83.6   | 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°    | 1807.5 | 30.0      |
| 0°-40°    | 2932.6 | 48.7      |
| 0°-60°    | 5019.5 | 83.4      |
| 0°-90°    | 6021.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6021.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2331 | 2331  | 2331 | 2331  | 2331 |      |
| 5°  | 2324 | 2324  | 2319 | 2330  | 2331 | 221  |
| 15° | 2243 | 2243  | 2238 | 2249  | 2249 | 633  |
| 25° | 2072 | 2072  | 2068 | 2072  | 2071 | 953  |
| 35° | 1801 | 1802  | 1798 | 1800  | 1800 | 1126 |
| 45° | 1469 | 1474  | 1465 | 1467  | 1467 | 1134 |
| 55° | 1084 | 1084  | 1072 | 1068  | 1068 | 965  |
| 65° | 637  | 628   | 605  | 599   | 604  | 635  |
| 75° | 292  | 290   | 281  | 278   | 275  | 316  |
| 85° | 72   | 74    | 74   | 70    | 70   | 85   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2330.6 | 2330.6 | 2330.6 | 2330.6 | 2330.6 |
| 2.5°  | 2329.7 | 2330.6 | 2324.5 | 2335.5 | 2337.4 |
| 5°    | 2323.9 | 2324.5 | 2318.6 | 2329.7 | 2331.2 |
| 7.5°  | 2311.9 | 2312.8 | 2307.6 | 2317.7 | 2319.6 |
| 10°   | 2294.0 | 2296.8 | 2290.7 | 2300.2 | 2301.7 |
| 12.5° | 2272.2 | 2273.1 | 2267.0 | 2278.1 | 2279.9 |
| 15°   | 2242.7 | 2243.3 | 2238.4 | 2248.6 | 2248.6 |
| 17.5° | 2208.6 | 2209.5 | 2206.1 | 2214.7 | 2213.8 |
| 20°   | 2167.4 | 2169.9 | 2165.6 | 2171.4 | 2174.8 |
| 22.5° | 2122.5 | 2123.4 | 2118.2 | 2125.9 | 2129.3 |
| 25°   | 2071.8 | 2072.4 | 2068.4 | 2072.4 | 2070.9 |
| 27.5° | 2012.5 | 2014.0 | 2008.2 | 2012.5 | 2013.4 |
| 30°   | 1946.4 | 1950.7 | 1942.4 | 1945.8 | 1946.4 |
| 32.5° | 1875.4 | 1877.8 | 1872.0 | 1872.9 | 1877.2 |
| 35°   | 1801.0 | 1801.9 | 1798.5 | 1800.1 | 1800.1 |
| 37.5° | 1720.8 | 1724.1 | 1718.9 | 1721.4 | 1718.0 |
| 40°   | 1641.2 | 1637.8 | 1635.9 | 1637.8 | 1640.2 |
| 42.5° | 1557.2 | 1558.2 | 1555.7 | 1553.9 | 1549.9 |
| 45°   | 1469.3 | 1474.5 | 1465.0 | 1466.9 | 1466.9 |
| 47.5° | 1383.3 | 1383.9 | 1378.9 | 1373.7 | 1370.3 |
| 50°   | 1291.0 | 1291.0 | 1284.9 | 1280.9 | 1275.7 |
| 52.5° | 1190.2 | 1188.7 | 1181.9 | 1177.6 | 1180.1 |
| 55°   | 1084.5 | 1083.5 | 1071.9 | 1067.6 | 1068.5 |
| 57.5° | 968.6  | 970.4  | 952.6  | 948.3  | 948.3  |
| 60°   | 857.9  | 849.3  | 829.0  | 823.2  | 830.6  |
| 62.5° | 741.7  | 731.6  | 709.8  | 709.8  | 715.6  |
| 65°   | 636.9  | 627.7  | 604.9  | 598.8  | 604.0  |
| 67.5° | 538.9  | 530.2  | 509.3  | 506.0  | 507.5  |
| 70°   | 445.7  | 438.3  | 425.4  | 417.7  | 420.5  |
| 72.5° | 365.5  | 358.7  | 350.1  | 344.3  | 340.9  |
| 75°   | 291.7  | 290.2  | 281.0  | 278.2  | 274.8  |
| 77.5° | 230.8  | 230.2  | 222.5  | 219.2  | 215.8  |
| 80°   | 173.4  | 172.4  | 170.9  | 165.7  | 163.2  |
| 82.5° | 123.6  | 123.6  | 122.6  | 118.3  | 115.9  |
| 85°   | 71.9   | 74.4   | 74.4   | 70.1   | 70.1   |
| 87.5° | 28.9   | 30.4   | 28.9   | 28.9   | 28.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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







(END OF REPORT)