

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: P1046901

Luminaire Tested: 22PTR-60-PP3-L840-UNV-STD-W

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046901  
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-L840-UNV-STD-W  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

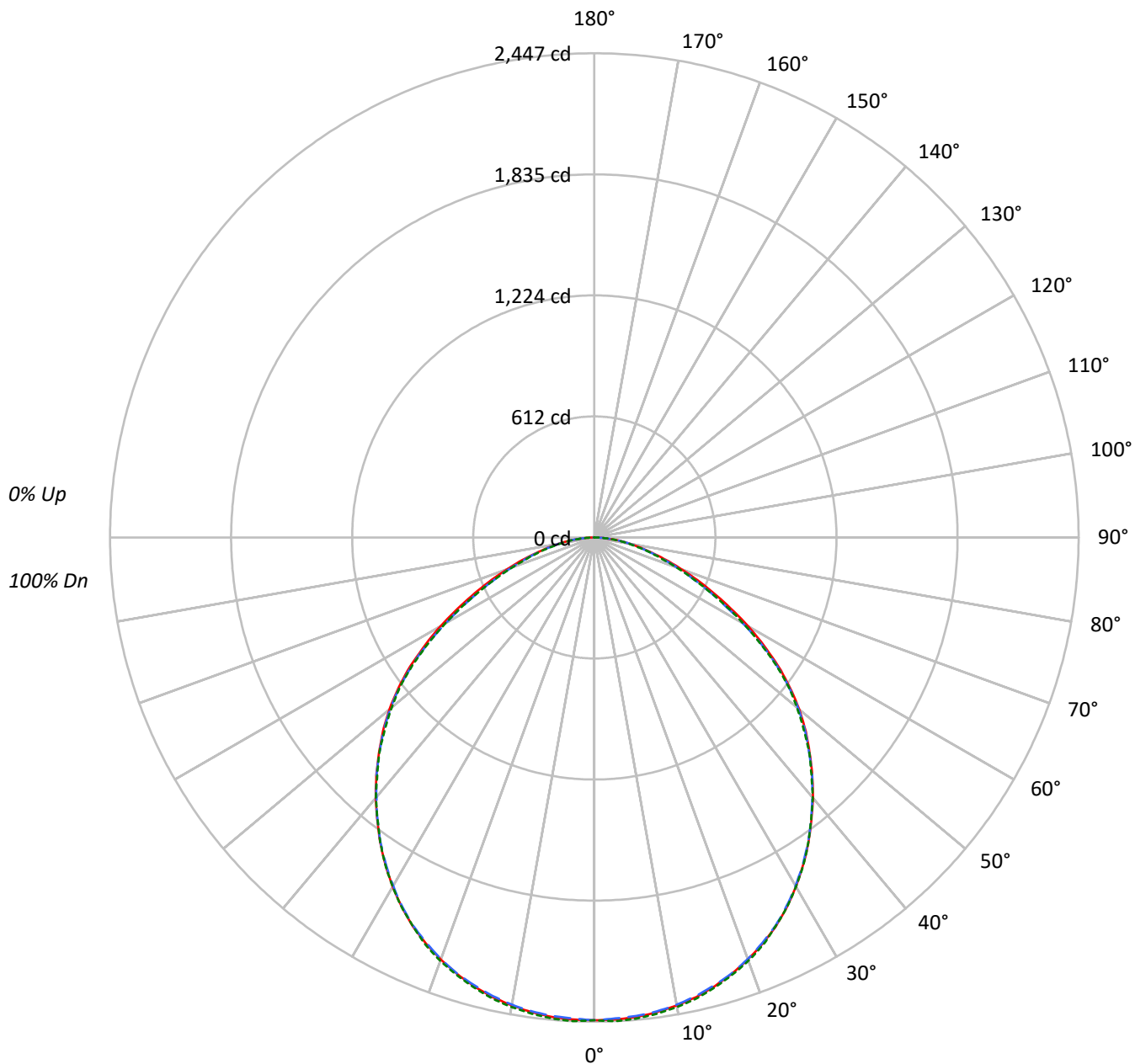
Lumens per Lamp: N/A  
Luminaire Lumens: 6304.0 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct

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: -

TEST NUMBER: P1046901

CATALOG NUMBER: 22PTR-60-PP3-L840-UNV-STD-W

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 231.4  | 3.7       |
| 10°-20°   | 662.9  | 10.5      |
| 20°-30°   | 998.0  | 15.8      |
| 30°-40°   | 1177.9 | 18.7      |
| 40°-50°   | 1184.6 | 18.8      |
| 50°-60°   | 1000.1 | 15.9      |
| 60°-70°   | 642.3  | 10.2      |
| 70°-80°   | 319.4  | 5.1       |
| 80°-90°   | 87.5   | 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°    | 1892.2 | 30.0      |
| 0°-40°    | 3070.1 | 48.7      |
| 0°-60°    | 5254.8 | 83.4      |
| 0°-90°    | 6304.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6304.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2440 | 2440  | 2440 | 2440  | 2440 |      |
| 5°  | 2433 | 2433  | 2427 | 2439  | 2440 | 231  |
| 15° | 2348 | 2348  | 2343 | 2354  | 2354 | 662  |
| 25° | 2169 | 2170  | 2165 | 2170  | 2168 | 998  |
| 35° | 1885 | 1886  | 1883 | 1884  | 1884 | 1178 |
| 45° | 1538 | 1544  | 1534 | 1536  | 1536 | 1187 |
| 55° | 1135 | 1134  | 1122 | 1118  | 1119 | 1010 |
| 65° | 667  | 657   | 633  | 627   | 632  | 665  |
| 75° | 305  | 304   | 294  | 291   | 288  | 330  |
| 85° | 75   | 78    | 78   | 73    | 73   | 89   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2439.9 | 2439.9 | 2439.9 | 2439.9 | 2439.9 |
| 2.5°  | 2438.9 | 2439.9 | 2433.4 | 2445.0 | 2447.0 |
| 5°    | 2432.8 | 2433.4 | 2427.3 | 2438.9 | 2440.5 |
| 7.5°  | 2420.2 | 2421.2 | 2415.7 | 2426.4 | 2428.3 |
| 10°   | 2401.6 | 2404.5 | 2398.0 | 2408.0 | 2409.6 |
| 12.5° | 2378.7 | 2379.7 | 2373.3 | 2384.8 | 2386.8 |
| 15°   | 2347.8 | 2348.5 | 2343.3 | 2354.0 | 2354.0 |
| 17.5° | 2312.1 | 2313.1 | 2309.5 | 2318.6 | 2317.6 |
| 20°   | 2269.0 | 2271.6 | 2267.1 | 2273.2 | 2276.7 |
| 22.5° | 2222.0 | 2223.0 | 2217.5 | 2225.6 | 2229.1 |
| 25°   | 2168.9 | 2169.6 | 2165.4 | 2169.6 | 2168.0 |
| 27.5° | 2106.8 | 2108.4 | 2102.3 | 2106.8 | 2107.8 |
| 30°   | 2037.6 | 2042.1 | 2033.4 | 2037.0 | 2037.6 |
| 32.5° | 1963.3 | 1965.9 | 1959.7 | 1960.7 | 1965.2 |
| 35°   | 1885.4 | 1886.4 | 1882.8 | 1884.4 | 1884.4 |
| 37.5° | 1801.4 | 1805.0 | 1799.5 | 1802.1 | 1798.5 |
| 40°   | 1718.1 | 1714.5 | 1712.6 | 1714.5 | 1717.1 |
| 42.5° | 1630.2 | 1631.2 | 1628.6 | 1626.7 | 1622.5 |
| 45°   | 1538.2 | 1543.7 | 1533.7 | 1535.6 | 1535.6 |
| 47.5° | 1448.1 | 1448.7 | 1443.6 | 1438.1 | 1434.6 |
| 50°   | 1351.6 | 1351.6 | 1345.1 | 1340.9 | 1335.5 |
| 52.5° | 1246.0 | 1244.4 | 1237.3 | 1232.8 | 1235.4 |
| 55°   | 1135.3 | 1134.3 | 1122.1 | 1117.6 | 1118.6 |
| 57.5° | 1014.0 | 1015.9 | 997.3  | 992.7  | 992.7  |
| 60°   | 898.1  | 889.1  | 867.9  | 861.8  | 869.5  |
| 62.5° | 776.5  | 765.9  | 743.0  | 743.0  | 749.1  |
| 65°   | 666.8  | 657.1  | 633.3  | 626.9  | 632.3  |
| 67.5° | 564.1  | 555.1  | 533.2  | 529.7  | 531.3  |
| 70°   | 466.6  | 458.9  | 445.4  | 437.3  | 440.2  |
| 72.5° | 382.6  | 375.5  | 366.5  | 360.4  | 356.9  |
| 75°   | 305.4  | 303.8  | 294.1  | 291.2  | 287.7  |
| 77.5° | 241.7  | 241.0  | 233.0  | 229.4  | 225.9  |
| 80°   | 181.5  | 180.5  | 178.9  | 173.4  | 170.9  |
| 82.5° | 129.4  | 129.4  | 128.4  | 123.9  | 121.3  |
| 85°   | 75.3   | 77.9   | 77.9   | 73.4   | 73.4   |
| 87.5° | 30.2   | 31.9   | 30.2   | 30.2   | 29.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)