

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: P1046910

Luminaire Tested: 22PTR-50-PP3-L930-UNV-STD-W

Issue Date: 7/10/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1046910  
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-50-PP3-L930-UNV-STD-W  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS  
  
Light Source:  
Ballast/Driver: -

**Summary**

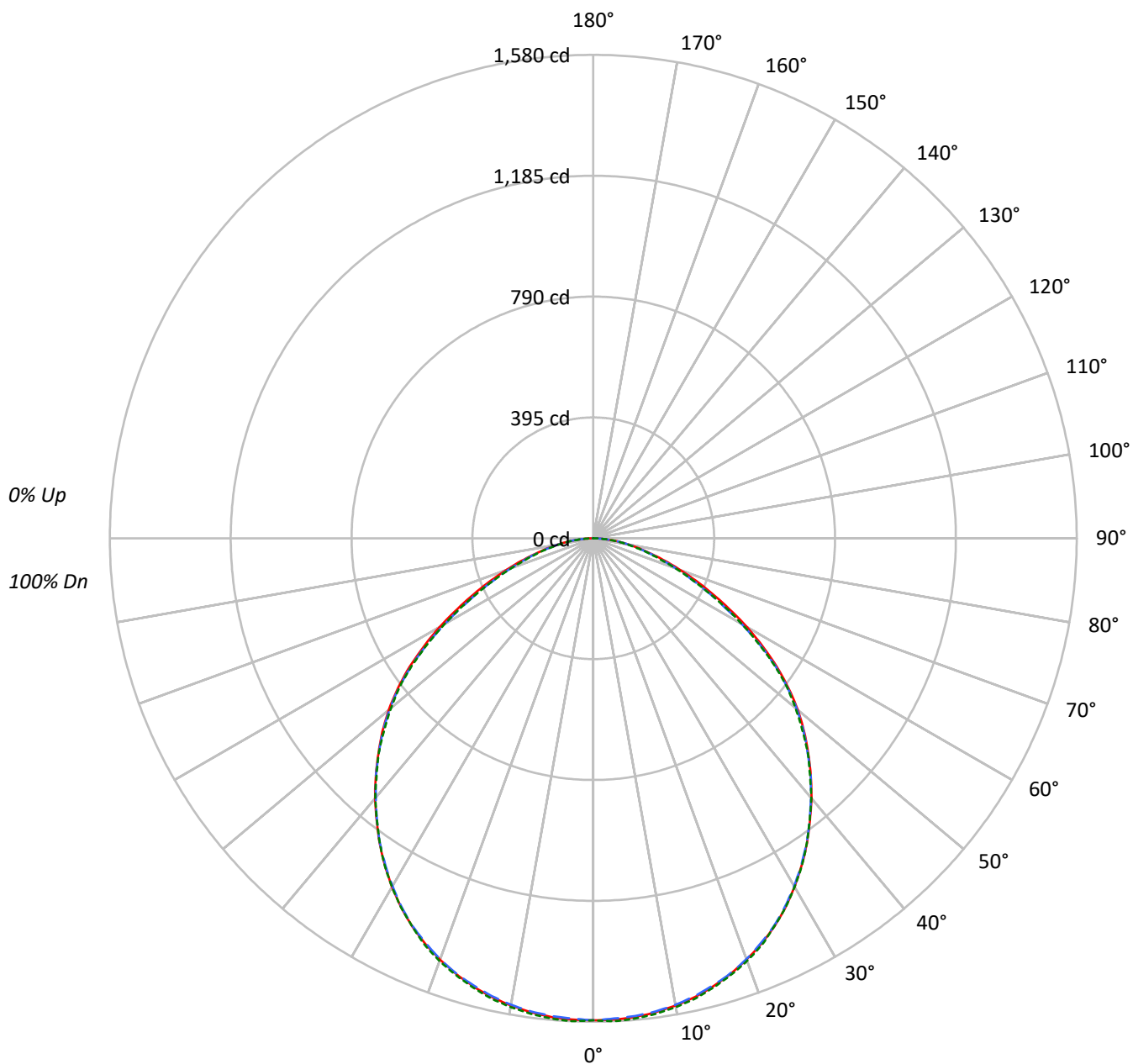
Lumens per Lamp: N/A  
Luminaire Lumens: 4070.1 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '  
CIE Type: Direct

Input Watts (W): 39  
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°    | 149.4  | 3.7       |
| 10°-20°   | 428.0  | 10.5      |
| 20°-30°   | 644.3  | 15.8      |
| 30°-40°   | 760.5  | 18.7      |
| 40°-50°   | 764.8  | 18.8      |
| 50°-60°   | 645.7  | 15.9      |
| 60°-70°   | 414.7  | 10.2      |
| 70°-80°   | 206.2  | 5.1       |
| 80°-90°   | 56.5   | 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°    | 1221.7 | 30.0      |
| 0°-40°    | 1982.2 | 48.7      |
| 0°-60°    | 3392.7 | 83.4      |
| 0°-90°    | 4070.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4070.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1575 | 1575  | 1575 | 1575  | 1575 |      |
| 5°  | 1571 | 1571  | 1567 | 1575  | 1576 | 149  |
| 15° | 1516 | 1516  | 1513 | 1520  | 1520 | 428  |
| 25° | 1400 | 1401  | 1398 | 1401  | 1400 | 644  |
| 35° | 1217 | 1218  | 1216 | 1217  | 1217 | 761  |
| 45° | 993  | 997   | 990  | 992   | 992  | 766  |
| 55° | 733  | 732   | 724  | 722   | 722  | 652  |
| 65° | 430  | 424   | 409  | 405   | 408  | 429  |
| 75° | 197  | 196   | 190  | 188   | 186  | 213  |
| 85° | 49   | 50    | 50   | 47    | 47   | 57   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1575.3 | 1575.3 | 1575.3 | 1575.3 | 1575.3 |
| 2.5°  | 1574.7 | 1575.3 | 1571.1 | 1578.6 | 1579.8 |
| 5°    | 1570.7 | 1571.1 | 1567.2 | 1574.7 | 1575.7 |
| 7.5°  | 1562.6 | 1563.2 | 1559.7 | 1566.5 | 1567.8 |
| 10°   | 1550.5 | 1552.4 | 1548.3 | 1554.7 | 1555.7 |
| 12.5° | 1535.8 | 1536.4 | 1532.3 | 1539.7 | 1541.0 |
| 15°   | 1515.9 | 1516.3 | 1512.9 | 1519.8 | 1519.8 |
| 17.5° | 1492.8 | 1493.4 | 1491.1 | 1496.9 | 1496.3 |
| 20°   | 1465.0 | 1466.6 | 1463.7 | 1467.7 | 1469.9 |
| 22.5° | 1434.6 | 1435.2 | 1431.7 | 1436.9 | 1439.2 |
| 25°   | 1400.3 | 1400.8 | 1398.0 | 1400.8 | 1399.7 |
| 27.5° | 1360.2 | 1361.3 | 1357.3 | 1360.2 | 1360.9 |
| 30°   | 1315.6 | 1318.5 | 1312.9 | 1315.2 | 1315.6 |
| 32.5° | 1267.6 | 1269.2 | 1265.3 | 1265.9 | 1268.8 |
| 35°   | 1217.3 | 1217.9 | 1215.6 | 1216.7 | 1216.7 |
| 37.5° | 1163.1 | 1165.4 | 1161.8 | 1163.5 | 1161.2 |
| 40°   | 1109.3 | 1107.0 | 1105.7 | 1107.0 | 1108.6 |
| 42.5° | 1052.5 | 1053.2 | 1051.5 | 1050.3 | 1047.6 |
| 45°   | 993.1  | 996.6  | 990.2  | 991.5  | 991.5  |
| 47.5° | 934.9  | 935.4  | 932.0  | 928.5  | 926.2  |
| 50°   | 872.6  | 872.6  | 868.5  | 865.8  | 862.2  |
| 52.5° | 804.5  | 803.4  | 798.9  | 795.9  | 797.6  |
| 55°   | 733.0  | 732.4  | 724.5  | 721.6  | 722.2  |
| 57.5° | 654.7  | 655.9  | 643.9  | 641.0  | 641.0  |
| 60°   | 579.9  | 574.1  | 560.3  | 556.4  | 561.4  |
| 62.5° | 501.3  | 494.5  | 479.7  | 479.7  | 483.7  |
| 65°   | 430.5  | 424.3  | 408.9  | 404.7  | 408.3  |
| 67.5° | 364.2  | 358.4  | 344.3  | 342.0  | 343.0  |
| 70°   | 301.3  | 296.3  | 287.5  | 282.4  | 284.2  |
| 72.5° | 247.0  | 242.5  | 236.6  | 232.7  | 230.4  |
| 75°   | 197.2  | 196.1  | 189.9  | 188.0  | 185.7  |
| 77.5° | 156.0  | 155.6  | 150.4  | 148.1  | 145.9  |
| 80°   | 117.2  | 116.6  | 115.5  | 112.0  | 110.3  |
| 82.5° | 83.5   | 83.5   | 82.9   | 80.0   | 78.3   |
| 85°   | 48.6   | 50.3   | 50.3   | 47.4   | 47.4   |
| 87.5° | 19.5   | 20.6   | 19.5   | 19.5   | 18.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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







(END OF REPORT)