

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: P1050599

Luminaire Tested: 24PTR-35-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-35-PB1-L935-UNV-STD-W  
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS  
  
Light Source:  
Ballast/Driver: -

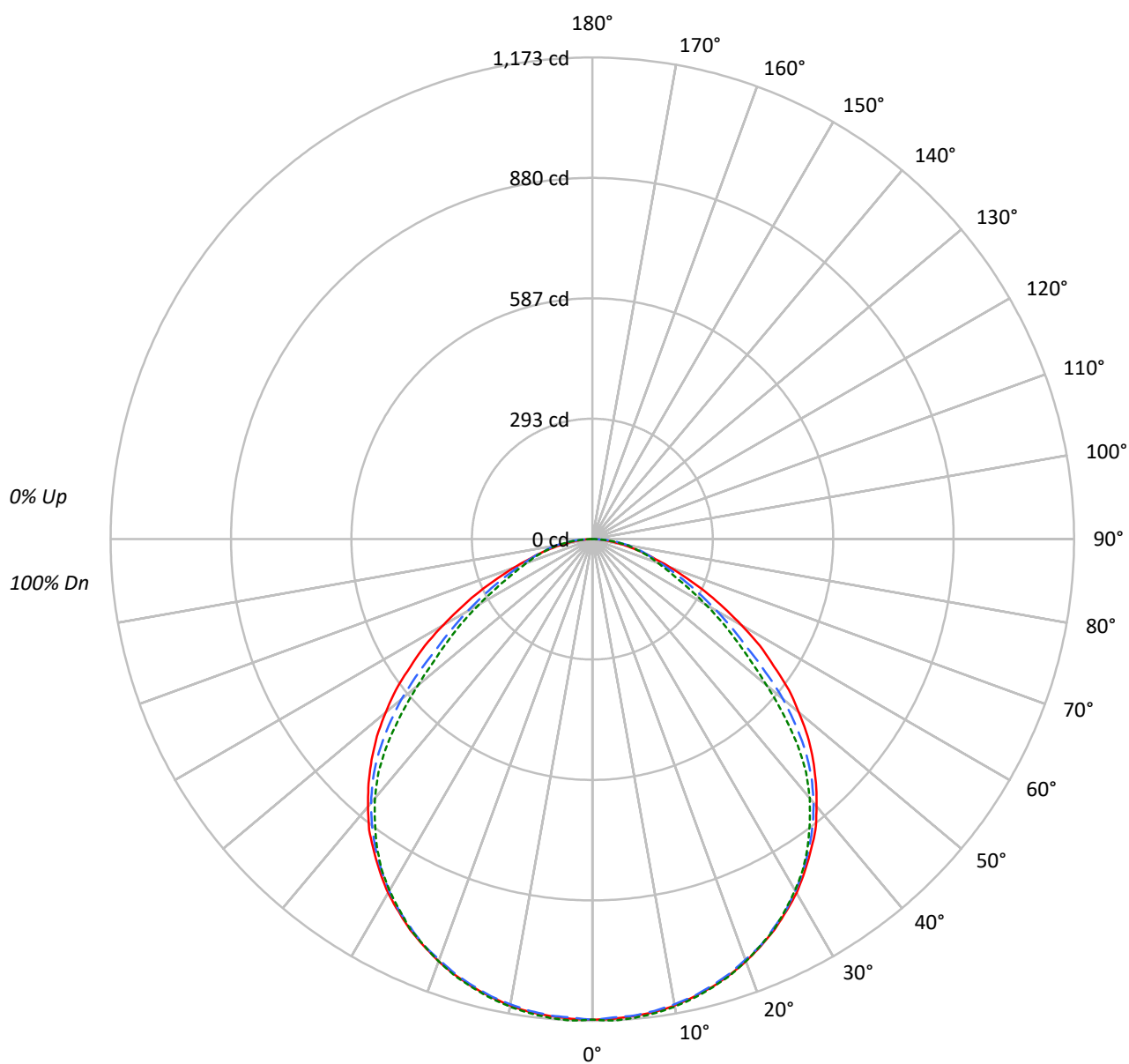
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2918.7 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28  
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 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 93  | 90  | 91  | 89  | 88  | 86  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  |    |    |
| 3   | 92  | 82  | 75  | 69  | 90  | 81  | 74  | 68  | 78  | 72  | 67  | 75  | 70  | 66  | 73  | 68  | 64  | 62  |    |    |
| 4   | 85  | 73  | 65  | 59  | 83  | 72  | 64  | 58  | 70  | 63  | 58  | 67  | 62  | 57  | 65  | 60  | 56  | 54  |    |    |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 57  | 51  | 63  | 56  | 50  | 61  | 55  | 50  | 59  | 54  | 49  | 47  |    |    |
| 6   | 72  | 60  | 51  | 45  | 71  | 59  | 51  | 45  | 57  | 50  | 44  | 55  | 49  | 44  | 54  | 48  | 44  | 42  |    |    |
| 7   | 67  | 54  | 46  | 40  | 66  | 53  | 45  | 40  | 52  | 45  | 39  | 51  | 44  | 39  | 49  | 43  | 39  | 37  |    |    |
| 8   | 63  | 50  | 41  | 36  | 61  | 49  | 41  | 36  | 48  | 41  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |
| 9   | 59  | 46  | 38  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 30  |    |    |
| 10  | 55  | 42  | 34  | 29  | 54  | 42  | 34  | 29  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1575 | 1575 | 1575 |
| 5°  | 1575 | 1573 | 1581 |
| 10° | 1576 | 1572 | 1580 |
| 15° | 1572 | 1568 | 1574 |
| 20° | 1567 | 1561 | 1567 |
| 25° | 1558 | 1552 | 1556 |
| 30° | 1546 | 1537 | 1534 |
| 35° | 1523 | 1511 | 1502 |
| 40° | 1492 | 1472 | 1446 |
| 45° | 1446 | 1400 | 1342 |
| 50° | 1374 | 1269 | 1160 |
| 55° | 1266 | 1077 | 1000 |
| 60° | 1128 | 942  | 856  |
| 65° | 967  | 816  | 729  |
| 70° | 799  | 720  | 668  |
| 75° | 673  | 688  | 651  |
| 80° | 570  | 703  | 670  |
| 85° | 446  | 712  | 624  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1446 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 111.0  | 3.8       |
| 10°-20°   | 318.5  | 10.9      |
| 20°-30°   | 482.4  | 16.5      |
| 30°-40°   | 574.8  | 19.7      |
| 40°-50°   | 562.1  | 19.3      |
| 50°-60°   | 425.2  | 14.6      |
| 60°-70°   | 261.2  | 8.9       |
| 70°-80°   | 139.2  | 4.8       |
| 80°-90°   | 44.4   | 1.5       |
| 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°    | 911.9  | 31.2      |
| 0°-40°    | 1486.7 | 50.9      |
| 0°-60°    | 2474.0 | 84.8      |
| 0°-90°    | 2918.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2918.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1170 | 1170  | 1170 | 1170  | 1170 |      |
| 5°  | 1166 | 1168  | 1165 | 1169  | 1170 | 111  |
| 15° | 1129 | 1130  | 1126 | 1130  | 1130 | 319  |
| 25° | 1050 | 1048  | 1045 | 1047  | 1048 | 483  |
| 35° | 927  | 926   | 920  | 916   | 914  | 580  |
| 45° | 760  | 756   | 736  | 711   | 705  | 585  |
| 55° | 540  | 513   | 459  | 433   | 426  | 483  |
| 65° | 304  | 279   | 256  | 236   | 229  | 302  |
| 75° | 130  | 131   | 132  | 128   | 125  | 139  |
| 85° | 29   | 38    | 46   | 43    | 40   | 35   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 |
| 2.5°  | 1169.2 | 1170.5 | 1166.1 | 1172.0 | 1173.4 |
| 5°    | 1166.1 | 1167.6 | 1164.8 | 1169.2 | 1170.5 |
| 7.5°  | 1161.9 | 1161.9 | 1159.0 | 1163.3 | 1164.8 |
| 10°   | 1153.3 | 1153.3 | 1150.4 | 1154.6 | 1156.2 |
| 12.5° | 1141.8 | 1141.8 | 1140.3 | 1143.2 | 1144.7 |
| 15°   | 1128.8 | 1130.2 | 1125.9 | 1130.2 | 1130.2 |
| 17.5° | 1112.9 | 1111.6 | 1110.1 | 1112.9 | 1114.4 |
| 20°   | 1094.2 | 1094.2 | 1089.9 | 1092.8 | 1094.2 |
| 22.5° | 1072.6 | 1072.6 | 1071.2 | 1072.6 | 1071.2 |
| 25°   | 1049.6 | 1048.1 | 1045.2 | 1046.7 | 1048.1 |
| 27.5° | 1022.2 | 1022.2 | 1019.4 | 1019.4 | 1017.8 |
| 30°   | 994.9  | 993.4  | 989.1  | 986.3  | 987.6  |
| 32.5° | 961.8  | 960.3  | 956.0  | 953.2  | 954.5  |
| 35°   | 927.2  | 925.8  | 920.1  | 915.7  | 914.3  |
| 37.5° | 892.7  | 888.3  | 881.1  | 875.3  | 869.6  |
| 40°   | 849.5  | 845.1  | 838.0  | 825.0  | 823.5  |
| 42.5° | 806.2  | 802.0  | 790.4  | 774.6  | 770.3  |
| 45°   | 760.1  | 755.9  | 735.7  | 711.2  | 705.4  |
| 47.5° | 711.2  | 704.1  | 672.3  | 642.1  | 630.6  |
| 50°   | 656.6  | 643.6  | 606.1  | 567.3  | 554.3  |
| 52.5° | 603.2  | 580.3  | 531.3  | 496.7  | 483.8  |
| 55°   | 539.9  | 512.6  | 459.3  | 433.3  | 426.1  |
| 57.5° | 483.8  | 446.3  | 403.1  | 377.3  | 371.5  |
| 60°   | 419.0  | 384.4  | 349.9  | 326.8  | 318.2  |
| 62.5° | 359.9  | 329.7  | 300.9  | 280.7  | 270.7  |
| 65°   | 303.8  | 279.3  | 256.4  | 236.1  | 229.0  |
| 67.5° | 249.1  | 236.1  | 217.4  | 201.6  | 197.3  |
| 70°   | 203.0  | 195.7  | 182.9  | 175.6  | 169.9  |
| 72.5° | 161.3  | 164.1  | 155.5  | 152.7  | 148.3  |
| 75°   | 129.5  | 131.0  | 132.4  | 128.2  | 125.3  |
| 77.5° | 97.9   | 105.0  | 110.8  | 107.9  | 105.0  |
| 80°   | 73.5   | 80.6   | 90.7   | 86.5   | 86.5   |
| 82.5° | 50.3   | 59.1   | 67.7   | 64.8   | 63.3   |
| 85°   | 28.9   | 37.5   | 46.1   | 43.2   | 40.4   |
| 87.5° | 11.5   | 18.7   | 20.1   | 20.1   | 18.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)