

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: P1050512

Luminaire Tested: 24PTR-40-L930-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-40-L930-UNV-STD-W  
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS  
  
Light Source:  
Ballast/Driver: -

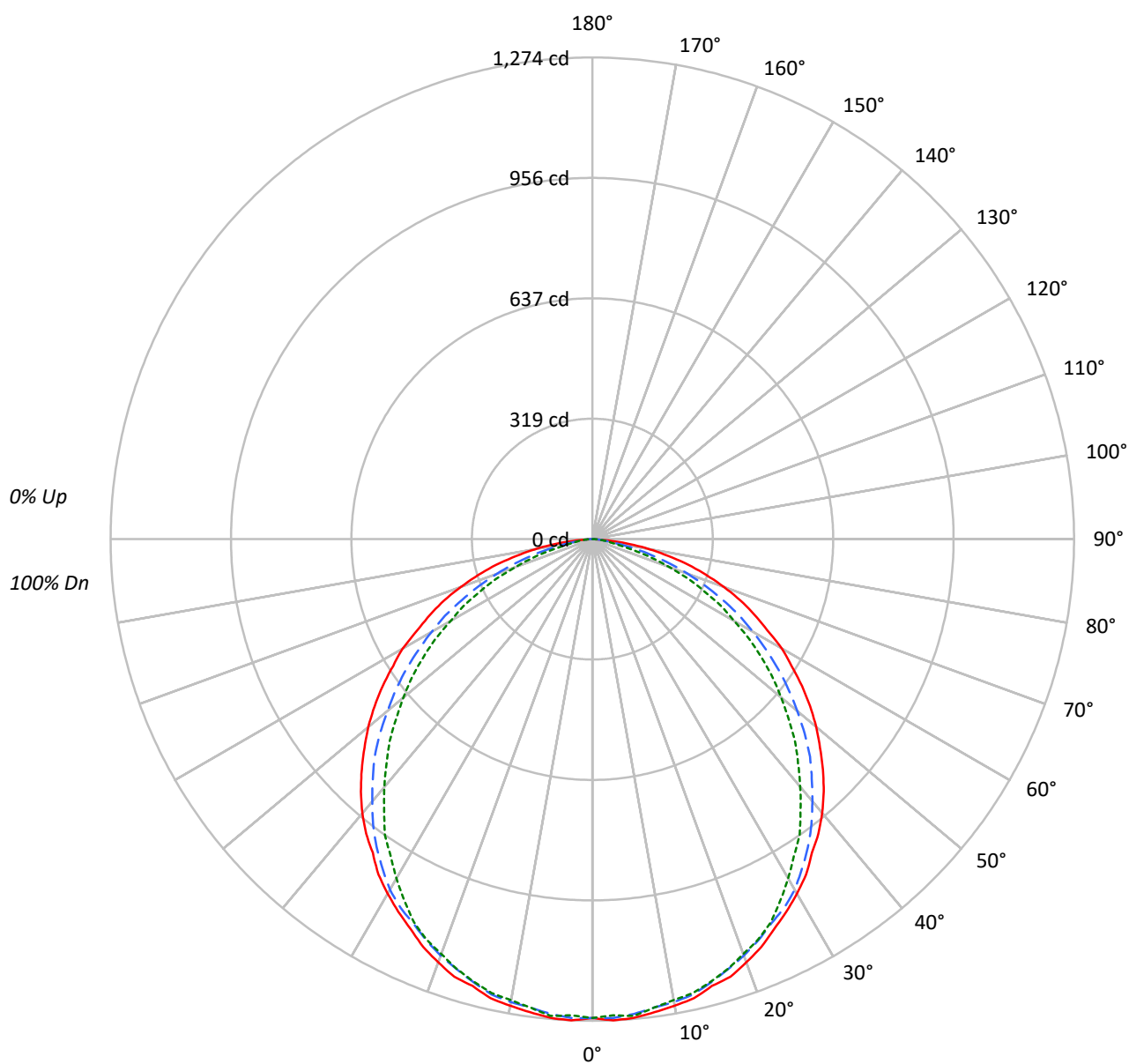
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3373.9 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 33  
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  | 98  | 95  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 87  | 81  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |    |    |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  |    |    |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 52  |    |    |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 45  |    |    |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 42  | 54  | 47  | 42  | 52  | 46  | 42  | 40  |    |    |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 35  |    |    |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 33  | 44  | 38  | 33  | 31  |    |    |
| 9   | 57  | 44  | 36  | 31  | 56  | 44  | 36  | 30  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 28  |    |    |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 27  | 37  | 32  | 27  | 26  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1704 | 1704 | 1704 |
| 5°  | 1717 | 1703 | 1710 |
| 10° | 1712 | 1699 | 1691 |
| 15° | 1704 | 1691 | 1688 |
| 20° | 1706 | 1679 | 1672 |
| 25° | 1689 | 1664 | 1659 |
| 30° | 1682 | 1663 | 1609 |
| 35° | 1663 | 1633 | 1570 |
| 40° | 1662 | 1590 | 1503 |
| 45° | 1641 | 1549 | 1443 |
| 50° | 1618 | 1480 | 1364 |
| 55° | 1587 | 1410 | 1281 |
| 60° | 1559 | 1320 | 1163 |
| 65° | 1506 | 1210 | 1040 |
| 70° | 1457 | 1054 | 849  |
| 75° | 1369 | 831  | 584  |
| 80° | 1186 | 503  | 351  |
| 85° | 792  | 361  | 338  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1641 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.1  | 3.6       |
| 10°-20°   | 343.6  | 10.2      |
| 20°-30°   | 519.0  | 15.4      |
| 30°-40°   | 617.0  | 18.3      |
| 40°-50°   | 625.8  | 18.5      |
| 50°-60°   | 543.4  | 16.1      |
| 60°-70°   | 385.8  | 11.4      |
| 70°-80°   | 184.3  | 5.5       |
| 80°-90°   | 34.9   | 1.0       |
| 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°    | 982.6  | 29.1      |
| 0°-40°    | 1599.6 | 47.4      |
| 0°-60°    | 2768.8 | 82.1      |
| 0°-90°    | 3373.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3373.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1267 | 1267  | 1267 | 1267  | 1267 |      |
| 5°  | 1271 | 1267  | 1261 | 1264  | 1266 | 121  |
| 15° | 1224 | 1227  | 1214 | 1212  | 1212 | 347  |
| 25° | 1138 | 1136  | 1121 | 1126  | 1117 | 525  |
| 35° | 1012 | 1011  | 994  | 960   | 956  | 636  |
| 45° | 862  | 855   | 814  | 771   | 758  | 665  |
| 55° | 677  | 656   | 601  | 566   | 546  | 605  |
| 65° | 473  | 438   | 380  | 340   | 327  | 469  |
| 75° | 263  | 215   | 160  | 127   | 112  | 276  |
| 85° | 51   | 27    | 23   | 23    | 22   | 65   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 |
| 2.5°  | 1274.2 | 1269.6 | 1268.1 | 1273.4 | 1260.6 |
| 5°    | 1271.1 | 1266.6 | 1260.6 | 1263.6 | 1265.9 |
| 7.5°  | 1262.1 | 1258.3 | 1250.0 | 1256.8 | 1250.0 |
| 10°   | 1253.0 | 1249.3 | 1243.2 | 1245.5 | 1238.0 |
| 12.5° | 1244.0 | 1234.9 | 1233.4 | 1234.9 | 1229.7 |
| 15°   | 1223.6 | 1226.6 | 1213.8 | 1212.3 | 1211.5 |
| 17.5° | 1213.8 | 1206.3 | 1192.7 | 1193.4 | 1191.9 |
| 20°   | 1191.2 | 1182.1 | 1172.3 | 1170.8 | 1167.8 |
| 22.5° | 1167.8 | 1157.2 | 1148.2 | 1152.7 | 1145.9 |
| 25°   | 1137.6 | 1136.1 | 1121.0 | 1125.5 | 1117.3 |
| 27.5° | 1111.2 | 1105.9 | 1099.1 | 1089.3 | 1077.3 |
| 30°   | 1082.5 | 1077.3 | 1070.5 | 1044.8 | 1035.8 |
| 32.5° | 1052.4 | 1046.3 | 1032.8 | 1002.6 | 992.8  |
| 35°   | 1012.4 | 1010.9 | 994.3  | 960.3  | 955.8  |
| 37.5° | 982.2  | 965.6  | 952.0  | 917.3  | 904.5  |
| 40°   | 946.0  | 937.0  | 905.3  | 872.1  | 855.5  |
| 42.5° | 906.0  | 895.5  | 859.2  | 823.8  | 805.7  |
| 45°   | 862.3  | 854.7  | 814.0  | 771.0  | 758.2  |
| 47.5° | 817.0  | 810.2  | 761.9  | 720.4  | 703.8  |
| 50°   | 773.2  | 765.0  | 706.9  | 666.9  | 651.8  |
| 52.5° | 725.7  | 712.1  | 654.8  | 615.6  | 601.2  |
| 55°   | 676.7  | 656.3  | 601.2  | 565.8  | 546.2  |
| 57.5° | 624.6  | 605.8  | 544.7  | 507.7  | 491.9  |
| 60°   | 579.4  | 553.0  | 490.4  | 452.6  | 432.3  |
| 62.5° | 521.3  | 498.7  | 439.1  | 394.5  | 384.7  |
| 65°   | 473.0  | 437.5  | 380.2  | 339.5  | 326.7  |
| 67.5° | 424.0  | 382.5  | 324.4  | 282.9  | 276.1  |
| 70°   | 370.4  | 327.4  | 267.8  | 227.1  | 215.8  |
| 72.5° | 316.1  | 273.8  | 215.8  | 172.8  | 166.0  |
| 75°   | 263.3  | 215.0  | 159.9  | 126.7  | 112.4  |
| 77.5° | 205.9  | 162.2  | 112.4  | 77.7   | 68.6   |
| 80°   | 153.1  | 109.4  | 64.9   | 46.0   | 45.3   |
| 82.5° | 100.3  | 63.4   | 34.7   | 35.5   | 33.9   |
| 85°   | 51.3   | 27.2   | 23.4   | 22.6   | 21.9   |
| 87.5° | 9.8    | 10.6   | 11.3   | 11.3   | 11.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)