

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: P1050249

Luminaire Tested: PTR-14-40-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050249  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-40-PL1-L835-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source:  
Ballast/Driver: -

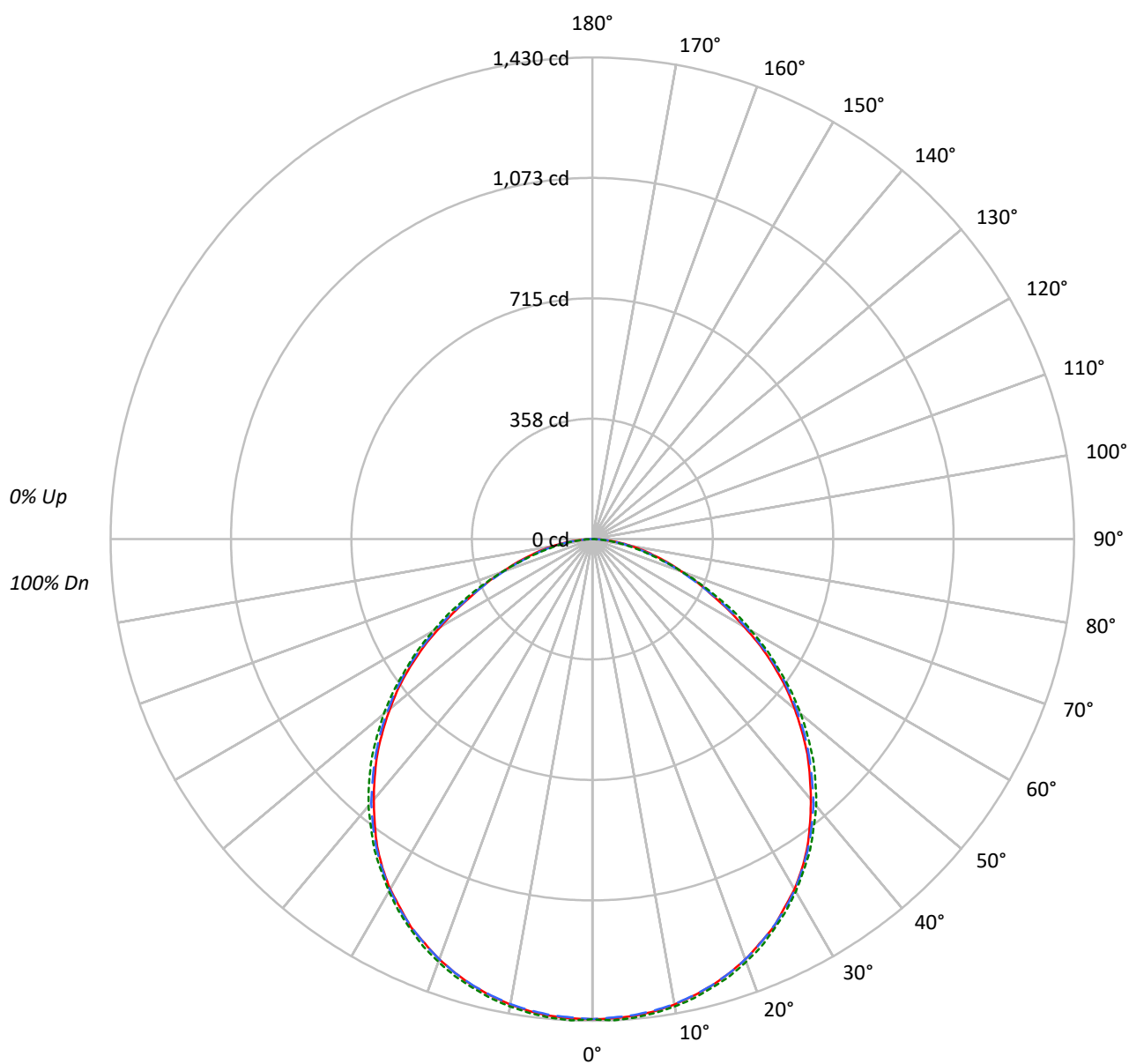
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3756.9 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 32.1  
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 | 102 | 102 | 100 |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 94  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 74  | 74  | 72  |
| 3   | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 66  | 77  | 70  | 65  | 74  | 69  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 4   | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 55  | 55  | 52  |
| 5   | 77  | 65  | 56  | 49  | 75  | 64  | 55  | 49  | 61  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 48  | 48  | 46  |
| 6   | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 47  | 42  | 42  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 37  | 37  | 35  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 34  | 34  | 32  |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 30  | 41  | 35  | 30  | 30  | 30  | 29  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 28  | 28  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3835 | 3835 | 3835 |
| 5°  | 3838 | 3831 | 3853 |
| 10° | 3834 | 3830 | 3851 |
| 15° | 3822 | 3820 | 3840 |
| 20° | 3803 | 3803 | 3824 |
| 25° | 3777 | 3772 | 3793 |
| 30° | 3729 | 3735 | 3753 |
| 35° | 3659 | 3672 | 3702 |
| 40° | 3545 | 3586 | 3632 |
| 45° | 3434 | 3463 | 3529 |
| 50° | 3283 | 3318 | 3384 |
| 55° | 3092 | 3142 | 3179 |
| 60° | 2805 | 2865 | 2936 |
| 65° | 2491 | 2518 | 2620 |
| 70° | 2227 | 2182 | 2236 |
| 75° | 2009 | 1893 | 1855 |
| 80° | 1826 | 1695 | 1505 |
| 85° | 1547 | 1405 | 1207 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3529 cd/sqm

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CATALOG NUMBER: PTR-14-40-PL1-L835-UNV-STD-W

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 135.2  | 3.6       |
| 10°-20°   | 387.8  | 10.3      |
| 20°-30°   | 586.5  | 15.6      |
| 30°-40°   | 699.1  | 18.6      |
| 40°-50°   | 703.0  | 18.7      |
| 50°-60°   | 596.6  | 15.9      |
| 60°-70°   | 397.3  | 10.6      |
| 70°-80°   | 198.4  | 5.3       |
| 80°-90°   | 53.1   | 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°    | 1109.5 | 29.5      |
| 0°-40°    | 1808.6 | 48.1      |
| 0°-60°    | 3108.3 | 82.7      |
| 0°-90°    | 3756.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3756.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1425 | 1425  | 1425 | 1425  | 1425 |      |
| 5°  | 1421 | 1421  | 1418 | 1425  | 1426 | 135  |
| 15° | 1372 | 1374  | 1371 | 1377  | 1378 | 387  |
| 25° | 1272 | 1272  | 1270 | 1276  | 1277 | 585  |
| 35° | 1114 | 1115  | 1118 | 1126  | 1127 | 695  |
| 45° | 902  | 904   | 910  | 922   | 927  | 694  |
| 55° | 659  | 664   | 670  | 676   | 678  | 587  |
| 65° | 391  | 394   | 396  | 401   | 411  | 392  |
| 75° | 193  | 190   | 182  | 178   | 178  | 207  |
| 85° | 50   | 49    | 46   | 43    | 39   | 58   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1425.3 | 1425.3 | 1425.3 | 1425.3 | 1425.3 |
| 2.5°  | 1424.1 | 1425.3 | 1421.4 | 1428.3 | 1430.1 |
| 5°    | 1421.0 | 1421.4 | 1418.4 | 1424.7 | 1426.2 |
| 7.5°  | 1414.1 | 1414.7 | 1411.4 | 1418.4 | 1419.3 |
| 10°   | 1403.0 | 1404.2 | 1401.5 | 1407.8 | 1409.3 |
| 12.5° | 1388.8 | 1390.3 | 1387.7 | 1394.6 | 1395.7 |
| 15°   | 1371.9 | 1373.5 | 1371.3 | 1377.1 | 1378.3 |
| 17.5° | 1351.2 | 1352.4 | 1351.2 | 1356.6 | 1359.6 |
| 20°   | 1328.0 | 1328.0 | 1328.0 | 1332.8 | 1335.5 |
| 22.5° | 1299.0 | 1301.7 | 1300.5 | 1306.9 | 1309.6 |
| 25°   | 1272.1 | 1272.1 | 1270.4 | 1276.4 | 1277.3 |
| 27.5° | 1234.5 | 1238.8 | 1238.4 | 1243.6 | 1244.7 |
| 30°   | 1200.2 | 1201.3 | 1201.9 | 1205.6 | 1207.7 |
| 32.5° | 1158.6 | 1159.5 | 1161.2 | 1166.4 | 1167.0 |
| 35°   | 1113.7 | 1114.8 | 1117.9 | 1125.7 | 1126.9 |
| 37.5° | 1061.5 | 1067.2 | 1069.9 | 1078.3 | 1079.3 |
| 40°   | 1009.1 | 1012.7 | 1020.8 | 1029.6 | 1033.8 |
| 42.5° | 955.7  | 960.0  | 964.8  | 976.8  | 980.7  |
| 45°   | 902.4  | 903.9  | 909.9  | 922.0  | 927.3  |
| 47.5° | 843.3  | 848.1  | 853.3  | 863.8  | 867.1  |
| 50°   | 784.2  | 789.4  | 792.6  | 802.0  | 808.4  |
| 52.5° | 724.5  | 729.3  | 733.0  | 738.7  | 745.1  |
| 55°   | 659.1  | 663.7  | 669.7  | 676.0  | 677.5  |
| 57.5° | 592.5  | 597.7  | 601.5  | 608.3  | 615.2  |
| 60°   | 521.1  | 527.1  | 532.3  | 538.6  | 545.5  |
| 62.5° | 454.7  | 457.2  | 462.6  | 473.2  | 483.1  |
| 65°   | 391.2  | 394.5  | 395.5  | 401.4  | 411.4  |
| 67.5° | 338.5  | 338.5  | 333.7  | 335.8  | 346.9  |
| 70°   | 283.0  | 280.9  | 277.3  | 275.2  | 284.2  |
| 72.5° | 238.1  | 235.4  | 227.6  | 223.9  | 228.7  |
| 75°   | 193.2  | 190.5  | 182.1  | 177.9  | 178.4  |
| 77.5° | 155.2  | 151.0  | 144.1  | 136.8  | 135.3  |
| 80°   | 117.8  | 116.1  | 109.4  | 102.5  | 97.1   |
| 82.5° | 83.5   | 79.8   | 76.0   | 71.8   | 67.5   |
| 85°   | 50.1   | 49.1   | 45.5   | 42.8   | 39.1   |
| 87.5° | 20.5   | 20.5   | 19.6   | 18.4   | 17.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)