

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: P1471764

Luminaire Tested: 24PTR-30S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1471764  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-30S-PC3-L835-UNV-STD-W  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:  
Frame  
Light Source: -  
Ballast/Driver: -

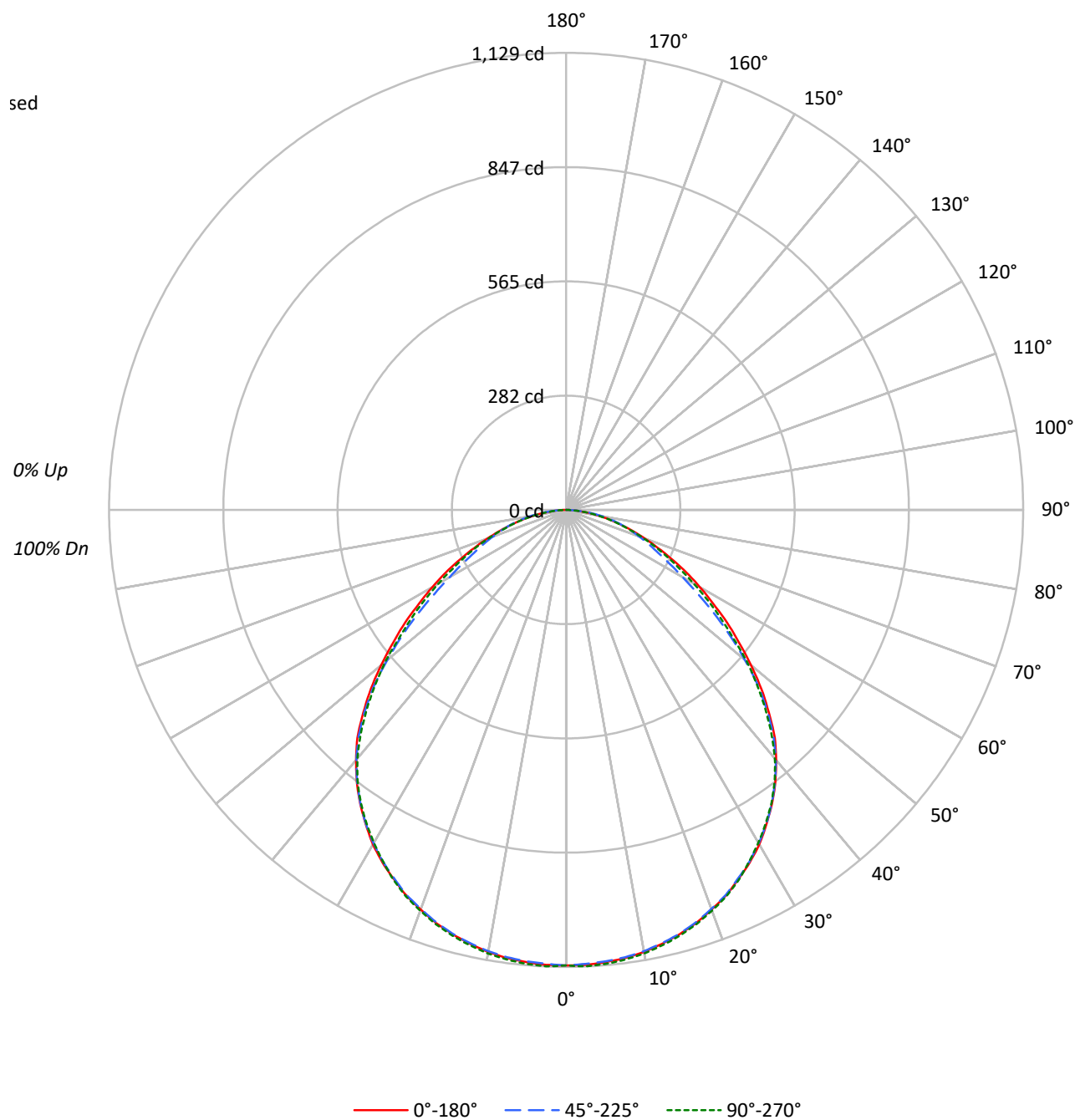
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2837.5 lumens  
Efficiency: N/A  
Efficacy: 119.7 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): 23.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
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  |     |     |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 75  | 75  | 72  |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  | 77  | 71  | 66  | 75  | 70  | 65  | 72  | 68  | 64  | 64  | 64  | 62  |
| 4   | 85  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 56  | 56  | 54  |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 56  | 50  | 62  | 55  | 50  | 61  | 54  | 49  | 59  | 53  | 49  | 49  | 49  | 47  |
| 6   | 72  | 59  | 51  | 45  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 49  | 44  | 53  | 48  | 43  | 43  | 43  | 41  |
| 7   | 67  | 54  | 46  | 40  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 39  | 39  | 37  |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 35  | 35  | 33  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 31  | 31  | 31  | 30  |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 29  | 29  | 29  | 27  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1514 | 1514 | 1514 |
| 5°  | 1515 | 1512 | 1521 |
| 10° | 1515 | 1512 | 1520 |
| 15° | 1511 | 1510 | 1516 |
| 20° | 1504 | 1502 | 1508 |
| 25° | 1494 | 1492 | 1498 |
| 30° | 1483 | 1478 | 1475 |
| 35° | 1456 | 1455 | 1452 |
| 40° | 1418 | 1415 | 1409 |
| 45° | 1348 | 1338 | 1325 |
| 50° | 1248 | 1206 | 1220 |
| 55° | 1139 | 1046 | 1093 |
| 60° | 1027 | 893  | 979  |
| 65° | 918  | 798  | 881  |
| 70° | 814  | 755  | 792  |
| 75° | 720  | 732  | 705  |
| 80° | 621  | 699  | 618  |
| 85° | 465  | 553  | 465  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1351 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.8  | 3.8       |
| 10°-20°   | 306.4  | 10.8      |
| 20°-30°   | 463.9  | 16.3      |
| 30°-40°   | 553.1  | 19.5      |
| 40°-50°   | 540.4  | 19.0      |
| 50°-60°   | 413.2  | 14.6      |
| 60°-70°   | 265.3  | 9.4       |
| 70°-80°   | 147.6  | 5.2       |
| 80°-90°   | 40.8   | 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°    | 877.1  | 30.9      |
| 0°-40°    | 1430.2 | 50.4      |
| 0°-60°    | 2383.8 | 84.0      |
| 0°-90°    | 2837.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2837.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1126 | 1126  | 1126 | 1126  | 1126 |      |
| 5°  | 1122 | 1122  | 1120 | 1125  | 1126 | 107  |
| 15° | 1085 | 1086  | 1084 | 1087  | 1088 | 306  |
| 25° | 1006 | 1008  | 1005 | 1008  | 1009 | 464  |
| 35° | 886  | 887   | 886  | 885   | 884  | 554  |
| 45° | 708  | 710   | 703  | 702   | 696  | 545  |
| 55° | 485  | 469   | 446  | 452   | 466  | 434  |
| 65° | 288  | 266   | 251  | 259   | 277  | 288  |
| 75° | 138  | 140   | 141  | 139   | 136  | 148  |
| 85° | 30   | 35    | 36   | 35    | 30   | 37   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 |
| 2.5°  | 1124.8 | 1125.2 | 1122.3 | 1127.1 | 1128.7 |
| 5°    | 1121.5 | 1122.3 | 1119.5 | 1124.8 | 1125.9 |
| 7.5°  | 1116.7 | 1117.4 | 1114.7 | 1119.9 | 1120.4 |
| 10°   | 1108.7 | 1109.1 | 1106.6 | 1111.9 | 1112.6 |
| 12.5° | 1097.8 | 1099.0 | 1096.2 | 1101.1 | 1101.4 |
| 15°   | 1084.8 | 1085.7 | 1083.7 | 1087.3 | 1088.5 |
| 17.5° | 1069.6 | 1070.1 | 1068.0 | 1072.0 | 1072.4 |
| 20°   | 1050.6 | 1050.6 | 1049.0 | 1053.5 | 1053.5 |
| 22.5° | 1031.3 | 1030.1 | 1029.7 | 1031.3 | 1033.8 |
| 25°   | 1006.4 | 1007.6 | 1004.8 | 1008.0 | 1008.8 |
| 27.5° | 982.3  | 982.3  | 979.8  | 981.4  | 979.4  |
| 30°   | 954.5  | 952.9  | 951.3  | 951.6  | 949.7  |
| 32.5° | 921.0  | 921.0  | 920.3  | 920.3  | 917.8  |
| 35°   | 886.5  | 887.2  | 885.6  | 885.2  | 884.0  |
| 37.5° | 849.3  | 850.7  | 847.7  | 847.0  | 846.1  |
| 40°   | 807.1  | 807.1  | 805.9  | 804.3  | 802.2  |
| 42.5° | 763.2  | 763.2  | 758.1  | 754.0  | 751.2  |
| 45°   | 708.5  | 710.1  | 703.2  | 701.6  | 696.1  |
| 47.5° | 654.1  | 652.9  | 643.7  | 642.5  | 639.3  |
| 50°   | 596.2  | 589.3  | 576.1  | 579.6  | 582.6  |
| 52.5° | 538.2  | 529.8  | 510.5  | 514.4  | 519.2  |
| 55°   | 485.4  | 468.6  | 446.1  | 451.7  | 466.1  |
| 57.5° | 430.3  | 407.8  | 385.3  | 395.8  | 413.8  |
| 60°   | 381.6  | 356.3  | 331.7  | 343.0  | 363.9  |
| 62.5° | 334.9  | 308.0  | 288.3  | 299.1  | 316.8  |
| 65°   | 288.3  | 266.1  | 250.8  | 259.2  | 276.6  |
| 67.5° | 245.6  | 230.7  | 220.3  | 224.2  | 238.3  |
| 70°   | 207.0  | 197.6  | 192.0  | 193.2  | 201.3  |
| 72.5° | 170.2  | 167.9  | 165.9  | 165.9  | 166.6  |
| 75°   | 138.5  | 139.7  | 140.9  | 138.9  | 135.7  |
| 77.5° | 109.1  | 113.1  | 116.0  | 111.9  | 107.9  |
| 80°   | 80.2   | 86.6   | 90.2   | 85.7   | 79.7   |
| 82.5° | 54.7   | 62.0   | 63.2   | 60.4   | 53.5   |
| 85°   | 30.1   | 35.4   | 35.8   | 34.7   | 30.1   |
| 87.5° | 11.3   | 13.3   | 14.5   | 13.3   | 11.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CIE UGR TABLE:**

| Reflectances:   |      |                  |      |      |      |      |                |      |      |      |      |
|-----------------|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling         |      | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall            |      | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane |      | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions |      | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| X=2H            | Y=2H | 11.9             | 13.5 | 12.3 | 13.8 | 14.1 | 11.7           | 13.2 | 12.0 | 13.6 | 13.9 |
|                 | 3H   | 13.3             | 14.8 | 13.7 | 15.1 | 15.4 | 13.1           | 14.5 | 13.5 | 14.9 | 15.2 |
|                 | 4H   | 13.9             | 15.2 | 14.3 | 15.6 | 15.9 | 13.7           | 15.0 | 14.1 | 15.4 | 15.7 |
|                 | 6H   | 14.3             | 15.5 | 14.7 | 15.9 | 16.3 | 14.1           | 15.3 | 14.5 | 15.7 | 16.1 |
|                 | 8H   | 14.4             | 15.6 | 14.8 | 15.9 | 16.3 | 14.2           | 15.4 | 14.6 | 15.8 | 16.2 |
|                 | 12H  | 14.5             | 15.6 | 14.9 | 16.0 | 16.4 | 14.3           | 15.4 | 14.7 | 15.8 | 16.2 |
| 4H              | 2H   | 12.3             | 13.6 | 12.7 | 14.0 | 14.3 | 12.1           | 13.4 | 12.5 | 13.8 | 14.1 |
|                 | 3H   | 14.0             | 15.1 | 14.4 | 15.5 | 15.9 | 13.8           | 14.9 | 14.2 | 15.3 | 15.7 |
|                 | 4H   | 14.7             | 15.7 | 15.1 | 16.1 | 16.5 | 14.5           | 15.5 | 14.9 | 15.9 | 16.4 |
|                 | 6H   | 15.2             | 16.1 | 15.7 | 16.5 | 17.0 | 15.1           | 15.9 | 15.5 | 16.4 | 16.8 |
|                 | 8H   | 15.4             | 16.2 | 15.8 | 16.6 | 17.1 | 15.2           | 16.0 | 15.7 | 16.5 | 16.9 |
|                 | 12H  | 15.5             | 16.2 | 16.0 | 16.7 | 17.2 | 15.3           | 16.1 | 15.8 | 16.5 | 17.0 |
| 8H              | 4H   | 14.9             | 15.7 | 15.4 | 16.2 | 16.6 | 14.8           | 15.6 | 15.3 | 16.0 | 16.5 |
|                 | 6H   | 15.6             | 16.3 | 16.1 | 16.8 | 17.2 | 15.5           | 16.1 | 16.0 | 16.6 | 17.1 |
|                 | 8H   | 15.8             | 16.5 | 16.4 | 17.0 | 17.4 | 15.7           | 16.3 | 16.2 | 16.8 | 17.3 |
|                 | 12H  | 16.0             | 16.6 | 16.5 | 17.0 | 17.6 | 15.9           | 16.4 | 16.4 | 16.9 | 17.5 |
| 12H             | 4H   | 15.0             | 15.7 | 15.4 | 16.2 | 16.6 | 14.8           | 15.5 | 15.3 | 16.0 | 16.5 |
|                 | 6H   | 15.7             | 16.3 | 16.2 | 16.7 | 17.3 | 15.5           | 16.1 | 16.1 | 16.6 | 17.2 |
|                 | 8H   | 16.0             | 16.5 | 16.5 | 17.0 | 17.5 | 15.8           | 16.4 | 16.3 | 16.9 | 17.4 |













(END OF REPORT)