

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: P1471760

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

Issue Date: 6/22/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1471760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-30S-L835-UNV-STD-W  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame  
Light Source: -  
Ballast/Driver: -

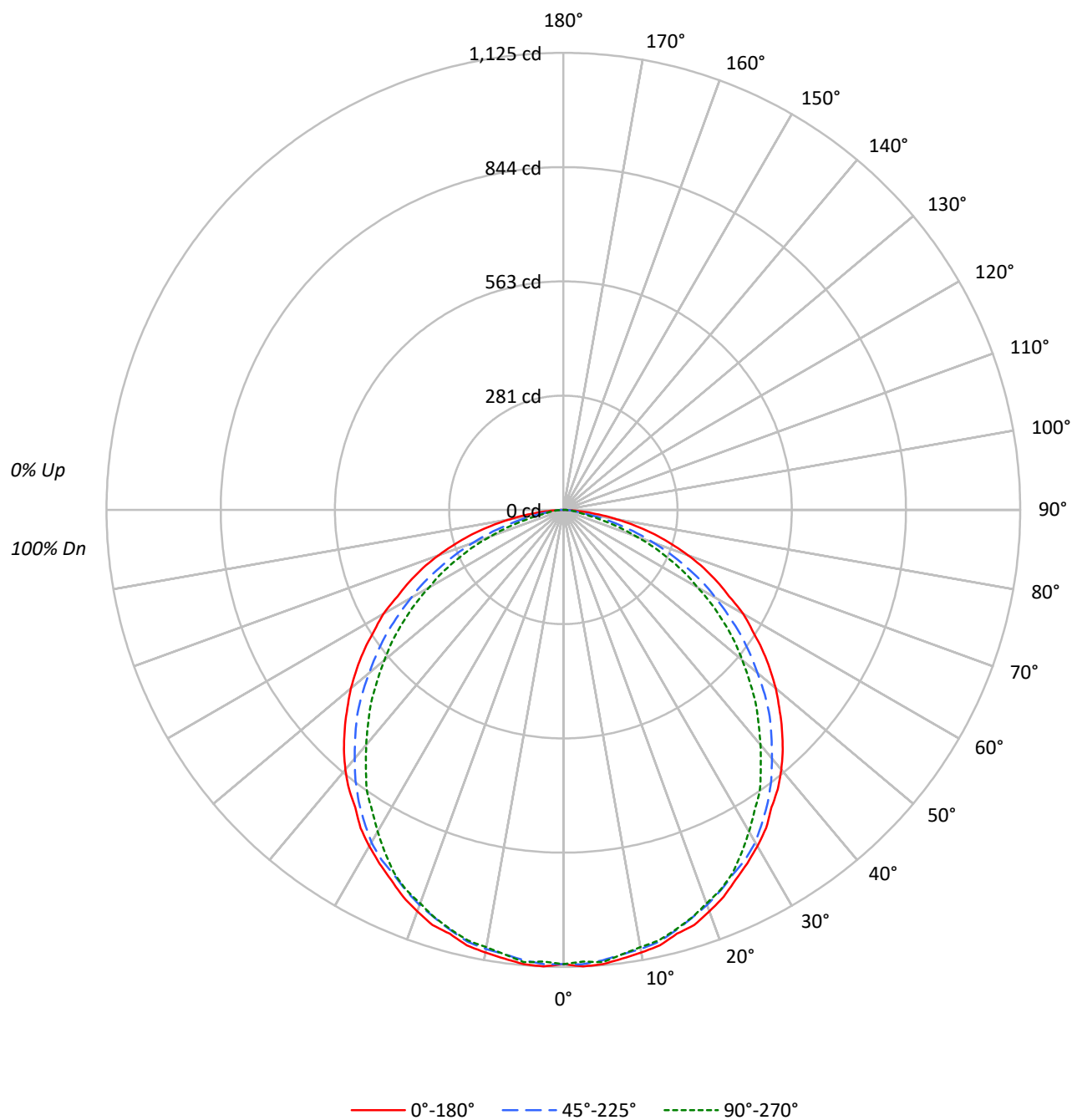
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2978.3 lumens  
Efficiency: N/A  
Efficacy: 125.7 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): 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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 87  | 81  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 74  | 74  | 72  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 54  | 54  | 52  |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 47  | 47  | 45  |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 42  | 54  | 47  | 42  | 52  | 46  | 42  | 42  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 37  | 37  | 35  |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 33  | 44  | 38  | 33  | 33  | 33  | 31  |
| 9   | 57  | 44  | 36  | 31  | 56  | 44  | 36  | 30  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 30  | 30  | 28  |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 27  | 37  | 32  | 27  | 27  | 27  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1504 | 1504 | 1504 |
| 5°  | 1516 | 1503 | 1509 |
| 10° | 1511 | 1499 | 1493 |
| 15° | 1505 | 1493 | 1490 |
| 20° | 1506 | 1482 | 1476 |
| 25° | 1491 | 1469 | 1464 |
| 30° | 1485 | 1468 | 1420 |
| 35° | 1468 | 1442 | 1386 |
| 40° | 1467 | 1404 | 1326 |
| 45° | 1448 | 1367 | 1274 |
| 50° | 1429 | 1306 | 1204 |
| 55° | 1401 | 1245 | 1131 |
| 60° | 1376 | 1165 | 1027 |
| 65° | 1329 | 1068 | 918  |
| 70° | 1286 | 930  | 749  |
| 75° | 1208 | 734  | 516  |
| 80° | 1048 | 444  | 310  |
| 85° | 699  | 318  | 298  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1448 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.0  | 3.6       |
| 10°-20°   | 303.3  | 10.2      |
| 20°-30°   | 458.1  | 15.4      |
| 30°-40°   | 544.7  | 18.3      |
| 40°-50°   | 552.4  | 18.5      |
| 50°-60°   | 479.7  | 16.1      |
| 60°-70°   | 340.5  | 11.4      |
| 70°-80°   | 162.7  | 5.5       |
| 80°-90°   | 30.8   | 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°    | 867.4  | 29.1      |
| 0°-40°    | 1412.1 | 47.4      |
| 0°-60°    | 2444.1 | 82.1      |
| 0°-90°    | 2978.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2978.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1118 | 1118  | 1118 | 1118  | 1118 |      |
| 5°  | 1122 | 1118  | 1113 | 1115  | 1117 | 107  |
| 15° | 1080 | 1083  | 1072 | 1070  | 1070 | 306  |
| 25° | 1004 | 1003  | 990  | 994   | 986  | 464  |
| 35° | 894  | 892   | 878  | 848   | 844  | 562  |
| 45° | 761  | 754   | 718  | 681   | 669  | 587  |
| 55° | 597  | 579   | 531  | 499   | 482  | 534  |
| 65° | 418  | 386   | 336  | 300   | 288  | 414  |
| 75° | 232  | 190   | 141  | 112   | 99   | 244  |
| 85° | 45   | 24    | 21   | 20    | 19   | 57   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1118.1 | 1118.1 | 1118.1 | 1118.1 | 1118.1 |
| 2.5°  | 1124.8 | 1120.8 | 1119.4 | 1124.1 | 1112.8 |
| 5°    | 1122.1 | 1118.1 | 1112.8 | 1115.4 | 1117.4 |
| 7.5°  | 1114.1 | 1110.8 | 1103.5 | 1109.4 | 1103.5 |
| 10°   | 1106.1 | 1102.8 | 1097.5 | 1099.5 | 1092.8 |
| 12.5° | 1098.1 | 1090.1 | 1088.8 | 1090.1 | 1085.5 |
| 15°   | 1080.1 | 1082.8 | 1071.5 | 1070.2 | 1069.5 |
| 17.5° | 1071.5 | 1064.8 | 1052.8 | 1053.5 | 1052.2 |
| 20°   | 1051.5 | 1043.5 | 1034.9 | 1033.5 | 1030.9 |
| 22.5° | 1030.9 | 1021.5 | 1013.5 | 1017.5 | 1011.6 |
| 25°   | 1004.2 | 1002.9 | 989.6  | 993.6  | 986.2  |
| 27.5° | 980.9  | 976.3  | 970.3  | 961.6  | 951.0  |
| 30°   | 955.6  | 951.0  | 945.0  | 922.3  | 914.3  |
| 32.5° | 929.0  | 923.6  | 911.7  | 885.0  | 876.4  |
| 35°   | 893.7  | 892.3  | 877.7  | 847.7  | 843.7  |
| 37.5° | 867.0  | 852.4  | 840.4  | 809.8  | 798.5  |
| 40°   | 835.1  | 827.1  | 799.1  | 769.8  | 755.2  |
| 42.5° | 799.8  | 790.5  | 758.5  | 727.2  | 711.2  |
| 45°   | 761.2  | 754.5  | 718.5  | 680.6  | 669.3  |
| 47.5° | 721.2  | 715.2  | 672.6  | 636.0  | 621.3  |
| 50°   | 682.6  | 675.3  | 624.0  | 588.7  | 575.4  |
| 52.5° | 640.6  | 628.6  | 578.0  | 543.4  | 530.7  |
| 55°   | 597.3  | 579.4  | 530.7  | 499.4  | 482.1  |
| 57.5° | 551.4  | 534.7  | 480.8  | 448.2  | 434.2  |
| 60°   | 511.4  | 488.1  | 432.9  | 399.6  | 381.6  |
| 62.5° | 460.2  | 440.2  | 387.6  | 348.3  | 339.6  |
| 65°   | 417.5  | 386.2  | 335.6  | 299.7  | 288.3  |
| 67.5° | 374.3  | 337.6  | 286.4  | 249.7  | 243.7  |
| 70°   | 327.0  | 289.0  | 236.4  | 200.4  | 190.5  |
| 72.5° | 279.0  | 241.7  | 190.5  | 152.5  | 146.5  |
| 75°   | 232.4  | 189.8  | 141.2  | 111.9  | 99.2   |
| 77.5° | 181.8  | 143.2  | 99.2   | 68.6   | 60.6   |
| 80°   | 135.2  | 96.6   | 57.3   | 40.6   | 40.0   |
| 82.5° | 88.6   | 55.9   | 30.6   | 31.3   | 30.0   |
| 85°   | 45.3   | 24.0   | 20.6   | 20.0   | 19.3   |
| 87.5° | 8.7    | 9.3    | 10.0   | 10.0   | 10.0   |
| 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 | 13.6             | 15.2 | 13.9 | 15.5 | 15.8 | 12.2           | 13.8 | 12.6 | 14.2 | 14.5 |
|                 | 3H   | 15.4             | 16.8 | 15.8 | 17.2 | 17.5 | 13.5           | 15.0 | 13.9 | 15.3 | 15.6 |
|                 | 4H   | 16.1             | 17.4 | 16.5 | 17.8 | 18.2 | 13.8           | 15.2 | 14.2 | 15.5 | 15.9 |
|                 | 6H   | 16.6             | 17.8 | 17.0 | 18.2 | 18.6 | 13.9           | 15.1 | 14.3 | 15.5 | 15.9 |
|                 | 8H   | 16.7             | 17.9 | 17.1 | 18.3 | 18.7 | 13.9           | 15.1 | 14.3 | 15.5 | 15.9 |
|                 | 12H  | 16.8             | 17.9 | 17.2 | 18.3 | 18.7 | 13.9           | 15.0 | 14.3 | 15.4 | 15.9 |
| 4H              | 2H   | 14.0             | 15.3 | 14.4 | 15.7 | 16.1 | 12.9           | 14.3 | 13.3 | 14.6 | 15.0 |
|                 | 3H   | 16.0             | 17.1 | 16.4 | 17.5 | 17.9 | 14.3           | 15.5 | 14.8 | 15.9 | 16.3 |
|                 | 4H   | 16.8             | 17.8 | 17.2 | 18.2 | 18.7 | 14.7           | 15.7 | 15.1 | 16.1 | 16.6 |
|                 | 6H   | 17.4             | 18.3 | 17.8 | 18.7 | 19.2 | 14.8           | 15.7 | 15.3 | 16.2 | 16.6 |
|                 | 8H   | 17.5             | 18.4 | 18.0 | 18.8 | 19.3 | 14.8           | 15.7 | 15.3 | 16.1 | 16.6 |
|                 | 12H  | 17.6             | 18.4 | 18.1 | 18.9 | 19.3 | 14.9           | 15.6 | 15.3 | 16.1 | 16.6 |
| 8H              | 4H   | 16.9             | 17.7 | 17.4 | 18.2 | 18.6 | 15.0           | 15.8 | 15.4 | 16.2 | 16.7 |
|                 | 6H   | 17.5             | 18.2 | 18.0 | 18.7 | 19.2 | 15.1           | 15.8 | 15.6 | 16.3 | 16.8 |
|                 | 8H   | 17.7             | 18.3 | 18.2 | 18.9 | 19.3 | 15.2           | 15.8 | 15.7 | 16.3 | 16.8 |
|                 | 12H  | 17.9             | 18.4 | 18.4 | 18.9 | 19.5 | 15.2           | 15.8 | 15.7 | 16.2 | 16.8 |
| 12H             | 4H   | 16.9             | 17.6 | 17.4 | 18.1 | 18.6 | 15.0           | 15.7 | 15.5 | 16.2 | 16.7 |
|                 | 6H   | 17.5             | 18.1 | 18.0 | 18.6 | 19.1 | 15.2           | 15.8 | 15.7 | 16.2 | 16.8 |
|                 | 8H   | 17.7             | 18.3 | 18.2 | 18.8 | 19.3 | 15.2           | 15.8 | 15.7 | 16.3 | 16.8 |













(END OF REPORT)