

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: P1471867

Luminaire Tested: 24PTR-72S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1471867  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/22/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-72S-PR1-L835-UNV-STD-B  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame  
Light Source: -  
Ballast/Driver: -

**Summary**

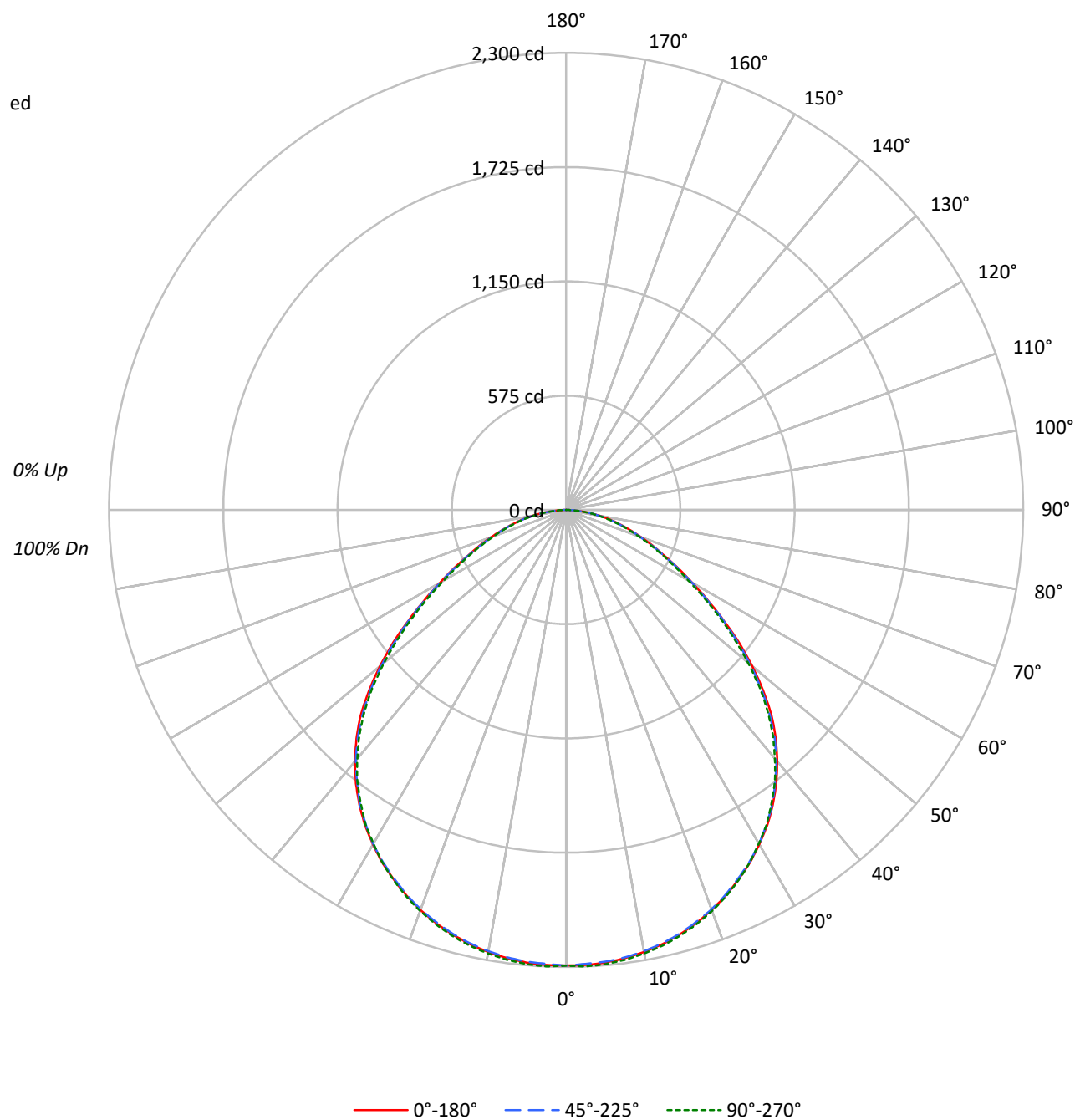
Lumens per Lamp: N/A  
Luminaire Lumens: 5799.5 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 60.9  
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  |
| RCR |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  |  | 99  | 96  | 93  |  | 95  | 92  | 90  |  | 91  | 89  | 88  |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  |  | 87  | 82  | 78  |  | 84  | 80  | 76  |  | 81  | 78  | 75  |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  |  | 78  | 71  | 66  |  | 75  | 70  | 65  |  | 72  | 68  | 64  |
| 4   | 85  | 73  | 65  | 58  | 82  | 72  | 64  | 58  |  | 69  | 63  | 57  |  | 67  | 61  | 56  |  | 65  | 60  | 56  |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 56  | 50  |  | 62  | 55  | 50  |  | 61  | 54  | 49  |  | 59  | 53  | 49  |
| 6   | 72  | 59  | 51  | 45  | 70  | 58  | 50  | 44  |  | 57  | 49  | 44  |  | 55  | 49  | 44  |  | 53  | 48  | 43  |
| 7   | 67  | 54  | 45  | 40  | 65  | 53  | 45  | 39  |  | 52  | 44  | 39  |  | 50  | 44  | 39  |  | 49  | 43  | 39  |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  |  | 47  | 40  | 35  |  | 46  | 40  | 35  |  | 45  | 39  | 35  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  |  | 44  | 37  | 32  |  | 43  | 36  | 32  |  | 42  | 36  | 31  |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  |  | 40  | 34  | 29  |  | 39  | 33  | 29  |  | 39  | 33  | 29  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3085 | 3085 | 3085 |
| 5°  | 3088 | 3082 | 3098 |
| 10° | 3086 | 3080 | 3097 |
| 15° | 3080 | 3075 | 3090 |
| 20° | 3067 | 3063 | 3075 |
| 25° | 3047 | 3040 | 3051 |
| 30° | 3020 | 3016 | 3013 |
| 35° | 2978 | 2972 | 2959 |
| 40° | 2903 | 2892 | 2871 |
| 45° | 2782 | 2751 | 2731 |
| 50° | 2560 | 2531 | 2500 |
| 55° | 2266 | 2256 | 2212 |
| 60° | 1969 | 1962 | 1909 |
| 65° | 1735 | 1725 | 1691 |
| 70° | 1574 | 1552 | 1520 |
| 75° | 1458 | 1423 | 1397 |
| 80° | 1330 | 1312 | 1268 |
| 85° | 1051 | 1042 | 1000 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2782 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 217.5  | 3.8       |
| 10°-20°   | 624.4  | 10.8      |
| 20°-30°   | 945.9  | 16.3      |
| 30°-40°   | 1129.2 | 19.5      |
| 40°-50°   | 1110.4 | 19.1      |
| 50°-60°   | 858.3  | 14.8      |
| 60°-70°   | 541.2  | 9.3       |
| 70°-80°   | 292.7  | 5.0       |
| 80°-90°   | 80.0   | 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°    | 1787.7 | 30.8      |
| 0°-40°    | 2916.9 | 50.3      |
| 0°-60°    | 4885.6 | 84.2      |
| 0°-90°    | 5799.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5799.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2293 | 2293  | 2293 | 2293  | 2293 |      |
| 5°  | 2287 | 2288  | 2282 | 2291  | 2294 | 217  |
| 15° | 2211 | 2212  | 2208 | 2215  | 2218 | 624  |
| 25° | 2052 | 2054  | 2047 | 2054  | 2055 | 946  |
| 35° | 1813 | 1814  | 1809 | 1807  | 1802 | 1132 |
| 45° | 1462 | 1456  | 1446 | 1434  | 1435 | 1120 |
| 55° | 966  | 974   | 962  | 946   | 943  | 867  |
| 65° | 545  | 546   | 542  | 532   | 531  | 548  |
| 75° | 280  | 277   | 274  | 275   | 269  | 298  |
| 85° | 68   | 69    | 68   | 68    | 65   | 81   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2293.2 | 2293.2 | 2293.2 | 2293.2 | 2293.2 |
| 2.5°  | 2292.3 | 2293.2 | 2286.6 | 2297.4 | 2299.8 |
| 5°    | 2286.6 | 2287.5 | 2281.6 | 2291.4 | 2294.1 |
| 7.5°  | 2275.0 | 2276.8 | 2271.1 | 2281.0 | 2283.4 |
| 10°   | 2258.6 | 2260.4 | 2254.7 | 2264.5 | 2266.9 |
| 12.5° | 2238.3 | 2238.9 | 2234.1 | 2243.0 | 2245.4 |
| 15°   | 2211.1 | 2211.7 | 2207.8 | 2215.0 | 2218.2 |
| 17.5° | 2179.7 | 2180.6 | 2174.9 | 2183.9 | 2185.4 |
| 20°   | 2142.1 | 2142.7 | 2139.4 | 2146.9 | 2147.8 |
| 22.5° | 2100.0 | 2101.8 | 2096.7 | 2103.3 | 2104.2 |
| 25°   | 2052.5 | 2054.0 | 2047.4 | 2054.0 | 2054.9 |
| 27.5° | 2002.3 | 2002.9 | 1997.3 | 2002.3 | 2001.4 |
| 30°   | 1943.8 | 1948.9 | 1941.4 | 1939.6 | 1939.0 |
| 32.5° | 1883.2 | 1883.8 | 1876.6 | 1874.8 | 1878.1 |
| 35°   | 1813.3 | 1813.9 | 1809.1 | 1806.7 | 1801.7 |
| 37.5° | 1736.9 | 1736.9 | 1727.6 | 1726.1 | 1725.2 |
| 40°   | 1652.9 | 1652.0 | 1646.4 | 1640.7 | 1634.7 |
| 42.5° | 1561.6 | 1563.3 | 1551.7 | 1541.8 | 1540.4 |
| 45°   | 1462.1 | 1456.4 | 1445.7 | 1434.3 | 1435.2 |
| 47.5° | 1344.7 | 1346.2 | 1331.6 | 1322.3 | 1320.0 |
| 50°   | 1222.9 | 1222.9 | 1209.2 | 1199.3 | 1194.2 |
| 52.5° | 1095.7 | 1096.6 | 1083.4 | 1070.3 | 1067.6 |
| 55°   | 965.8  | 973.8  | 961.6  | 946.1  | 942.8  |
| 57.5° | 844.2  | 850.8  | 839.2  | 822.7  | 821.8  |
| 60°   | 731.7  | 732.2  | 729.0  | 713.4  | 709.3  |
| 62.5° | 635.5  | 631.3  | 629.5  | 621.5  | 616.4  |
| 65°   | 545.0  | 545.9  | 541.7  | 532.5  | 531.0  |
| 67.5° | 471.8  | 470.9  | 463.5  | 457.8  | 454.5  |
| 70°   | 400.2  | 397.8  | 394.5  | 389.7  | 386.4  |
| 72.5° | 336.3  | 336.3  | 333.6  | 332.1  | 326.4  |
| 75°   | 280.4  | 277.1  | 273.8  | 275.3  | 268.8  |
| 77.5° | 227.0  | 223.7  | 221.0  | 217.7  | 216.2  |
| 80°   | 171.7  | 168.4  | 169.3  | 164.2  | 163.7  |
| 82.5° | 119.2  | 119.2  | 117.7  | 113.5  | 114.4  |
| 85°   | 68.1   | 69.0   | 67.5   | 68.1   | 64.8   |
| 87.5° | 24.8   | 25.4   | 27.2   | 25.4   | 25.4   |
| 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 | 14.4             | 16.0 | 14.8 | 16.3 | 16.6 | 14.2           | 15.8 | 14.6 | 16.1 | 16.4 |
|                 | 3H   | 15.8             | 17.2 | 16.2 | 17.5 | 17.9 | 15.6           | 17.0 | 15.9 | 17.3 | 17.7 |
|                 | 4H   | 16.3             | 17.6 | 16.7 | 18.0 | 18.4 | 16.1           | 17.4 | 16.5 | 17.8 | 18.1 |
|                 | 6H   | 16.7             | 17.9 | 17.1 | 18.3 | 18.7 | 16.5           | 17.7 | 16.9 | 18.1 | 18.5 |
|                 | 8H   | 16.8             | 18.0 | 17.3 | 18.4 | 18.8 | 16.6           | 17.8 | 17.0 | 18.2 | 18.6 |
|                 | 12H  | 16.9             | 18.0 | 17.4 | 18.4 | 18.8 | 16.7           | 17.8 | 17.1 | 18.2 | 18.6 |
| 4H              | 2H   | 14.9             | 16.2 | 15.3 | 16.6 | 16.9 | 14.7           | 16.0 | 15.1 | 16.4 | 16.7 |
|                 | 3H   | 16.5             | 17.6 | 16.9 | 18.0 | 18.4 | 16.3           | 17.4 | 16.7 | 17.8 | 18.2 |
|                 | 4H   | 17.1             | 18.1 | 17.5 | 18.5 | 19.0 | 16.9           | 17.9 | 17.4 | 18.3 | 18.8 |
|                 | 6H   | 17.7             | 18.5 | 18.1 | 19.0 | 19.4 | 17.5           | 18.3 | 17.9 | 18.8 | 19.2 |
|                 | 8H   | 17.8             | 18.6 | 18.3 | 19.1 | 19.5 | 17.6           | 18.4 | 18.1 | 18.9 | 19.4 |
|                 | 12H  | 18.0             | 18.7 | 18.4 | 19.1 | 19.6 | 17.8           | 18.5 | 18.2 | 19.0 | 19.4 |
| 8H              | 4H   | 17.4             | 18.2 | 17.8 | 18.6 | 19.1 | 17.2           | 18.0 | 17.7 | 18.4 | 18.9 |
|                 | 6H   | 18.0             | 18.7 | 18.5 | 19.2 | 19.6 | 17.8           | 18.5 | 18.3 | 19.0 | 19.5 |
|                 | 8H   | 18.3             | 18.9 | 18.8 | 19.4 | 19.9 | 18.1           | 18.7 | 18.6 | 19.2 | 19.7 |
|                 | 12H  | 18.4             | 19.0 | 18.9 | 19.5 | 20.0 | 18.3           | 18.8 | 18.8 | 19.3 | 19.8 |
| 12H             | 4H   | 17.4             | 18.1 | 17.9 | 18.6 | 19.0 | 17.2           | 17.9 | 17.7 | 18.4 | 18.9 |
|                 | 6H   | 18.1             | 18.7 | 18.6 | 19.1 | 19.7 | 17.9           | 18.5 | 18.4 | 19.0 | 19.5 |
|                 | 8H   | 18.3             | 18.9 | 18.9 | 19.4 | 19.9 | 18.2           | 18.7 | 18.7 | 19.2 | 19.8 |













(END OF REPORT)