

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: P1471859

Luminaire Tested: 24PTR-72S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1471859  
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-72S-PC3-L835-UNV-STD-B  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame  
Light Source: -  
Ballast/Driver: -

**Summary**

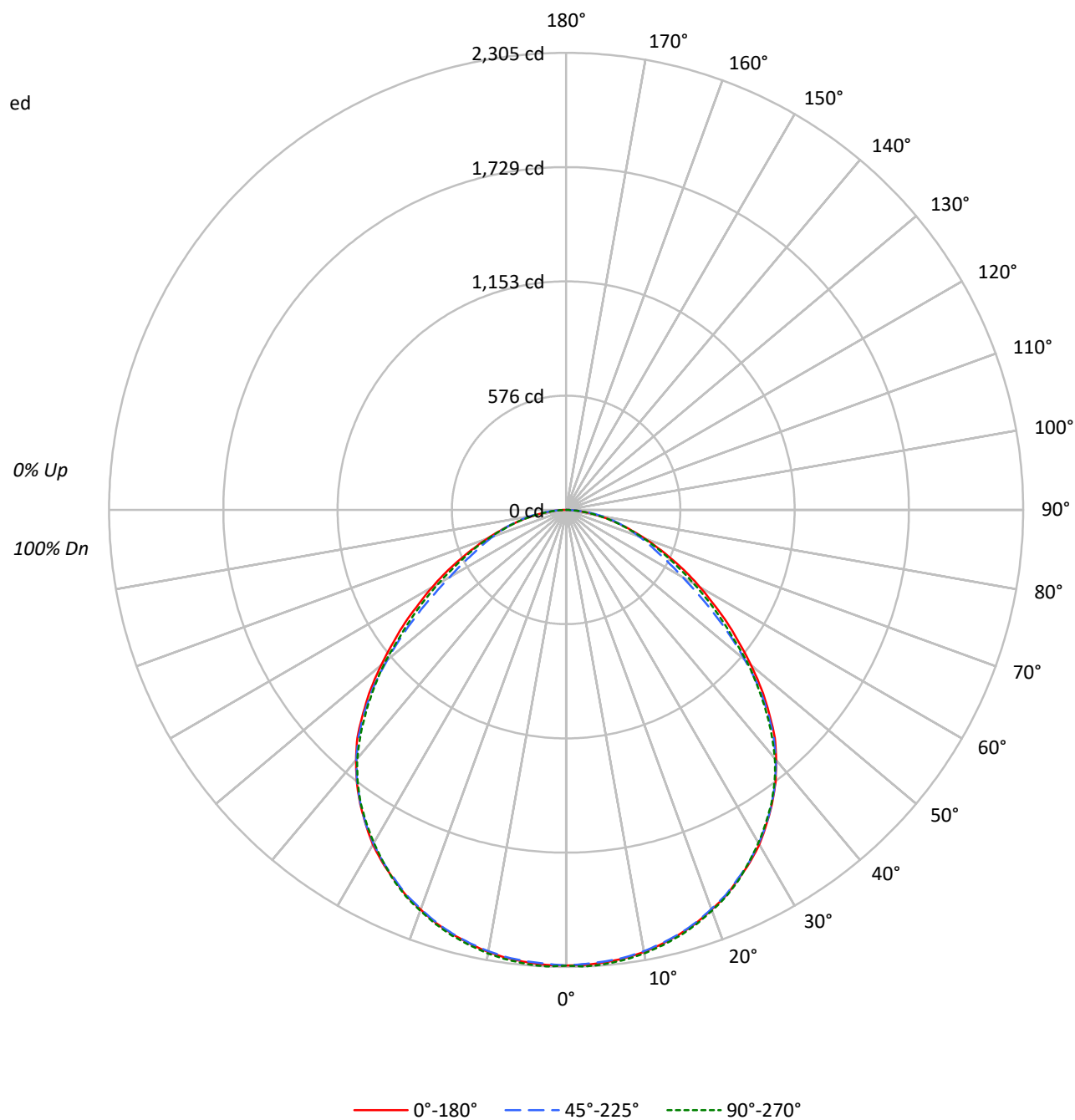
Lumens per Lamp: N/A  
Luminaire Lumens: 5793.7 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  | 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°  | 3092 | 3092 | 3092 |
| 5°  | 3093 | 3087 | 3105 |
| 10° | 3093 | 3087 | 3104 |
| 15° | 3085 | 3082 | 3096 |
| 20° | 3072 | 3067 | 3080 |
| 25° | 3051 | 3046 | 3058 |
| 30° | 3028 | 3018 | 3013 |
| 35° | 2973 | 2970 | 2965 |
| 40° | 2894 | 2890 | 2877 |
| 45° | 2753 | 2732 | 2704 |
| 50° | 2548 | 2462 | 2490 |
| 55° | 2325 | 2137 | 2233 |
| 60° | 2097 | 1823 | 1999 |
| 65° | 1874 | 1631 | 1798 |
| 70° | 1662 | 1543 | 1616 |
| 75° | 1470 | 1495 | 1441 |
| 80° | 1268 | 1428 | 1261 |
| 85° | 949  | 1130 | 949  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2759 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 218.0  | 3.8       |
| 10°-20°   | 625.6  | 10.8      |
| 20°-30°   | 947.2  | 16.3      |
| 30°-40°   | 1129.3 | 19.5      |
| 40°-50°   | 1103.5 | 19.0      |
| 50°-60°   | 843.8  | 14.6      |
| 60°-70°   | 541.7  | 9.4       |
| 70°-80°   | 301.4  | 5.2       |
| 80°-90°   | 83.2   | 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°    | 1790.8 | 30.9      |
| 0°-40°    | 2920.2 | 50.4      |
| 0°-60°    | 4867.4 | 84.0      |
| 0°-90°    | 5793.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5793.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2298 | 2298  | 2298 | 2298  | 2298 |      |
| 5°  | 2290 | 2292  | 2286 | 2297  | 2299 | 218  |
| 15° | 2215 | 2217  | 2213 | 2220  | 2222 | 625  |
| 25° | 2055 | 2057  | 2052 | 2058  | 2060 | 948  |
| 35° | 1810 | 1812  | 1808 | 1807  | 1805 | 1131 |
| 45° | 1447 | 1450  | 1436 | 1433  | 1421 | 1113 |
| 55° | 991  | 957   | 911  | 922   | 952  | 886  |
| 65° | 589  | 543   | 512  | 529   | 565  | 587  |
| 75° | 283  | 285   | 288  | 284   | 277  | 302  |
| 85° | 62   | 72    | 73   | 71    | 62   | 76   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2298.1 | 2298.1 | 2298.1 | 2298.1 | 2298.1 |
| 2.5°  | 2296.6 | 2297.5 | 2291.5 | 2301.4 | 2304.6 |
| 5°    | 2290.0 | 2291.5 | 2285.8 | 2296.6 | 2299.0 |
| 7.5°  | 2280.2 | 2281.6 | 2276.0 | 2286.7 | 2287.6 |
| 10°   | 2263.7 | 2264.6 | 2259.5 | 2270.3 | 2271.8 |
| 12.5° | 2241.6 | 2244.0 | 2238.3 | 2248.2 | 2248.8 |
| 15°   | 2215.0 | 2216.8 | 2212.7 | 2220.1 | 2222.5 |
| 17.5° | 2184.0 | 2184.9 | 2180.7 | 2188.8 | 2189.7 |
| 20°   | 2145.2 | 2145.2 | 2141.9 | 2151.1 | 2151.1 |
| 22.5° | 2105.7 | 2103.4 | 2102.5 | 2105.7 | 2110.8 |
| 25°   | 2055.0 | 2057.4 | 2051.7 | 2058.3 | 2059.8 |
| 27.5° | 2005.7 | 2005.7 | 2000.6 | 2003.9 | 1999.7 |
| 30°   | 1949.0 | 1945.7 | 1942.4 | 1943.0 | 1939.1 |
| 32.5° | 1880.6 | 1880.6 | 1879.1 | 1879.1 | 1874.0 |
| 35°   | 1810.1 | 1811.6 | 1808.3 | 1807.4 | 1805.0 |
| 37.5° | 1734.2 | 1736.9 | 1730.9 | 1729.5 | 1727.7 |
| 40°   | 1647.9 | 1647.9 | 1645.5 | 1642.2 | 1638.1 |
| 42.5° | 1558.3 | 1558.3 | 1547.9 | 1539.5 | 1533.8 |
| 45°   | 1446.6 | 1449.9 | 1435.9 | 1432.6 | 1421.2 |
| 47.5° | 1335.5 | 1333.1 | 1314.3 | 1311.9 | 1305.4 |
| 50°   | 1217.3 | 1203.2 | 1176.4 | 1183.5 | 1189.5 |
| 52.5° | 1099.0 | 1081.7 | 1042.3 | 1050.3 | 1060.2 |
| 55°   | 991.2  | 956.9  | 910.9  | 922.2  | 951.8  |
| 57.5° | 878.6  | 832.6  | 786.6  | 808.1  | 844.9  |
| 60°   | 779.2  | 727.5  | 677.3  | 700.3  | 743.0  |
| 62.5° | 683.9  | 628.9  | 588.6  | 610.7  | 646.9  |
| 65°   | 588.6  | 543.2  | 512.2  | 529.2  | 564.7  |
| 67.5° | 501.4  | 471.0  | 449.8  | 457.8  | 486.5  |
| 70°   | 422.6  | 403.5  | 392.1  | 394.5  | 410.9  |
| 72.5° | 347.6  | 342.8  | 338.7  | 338.7  | 340.2  |
| 75°   | 282.8  | 285.2  | 287.6  | 283.7  | 277.1  |
| 77.5° | 222.8  | 230.9  | 236.8  | 228.5  | 220.4  |
| 80°   | 163.7  | 176.8  | 184.3  | 175.0  | 162.8  |
| 82.5° | 111.7  | 126.6  | 129.0  | 123.3  | 109.3  |
| 85°   | 61.5   | 72.3   | 73.2   | 70.8   | 61.5   |
| 87.5° | 23.0   | 27.2   | 29.6   | 27.2   | 23.9   |
| 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             | 15.9 | 14.7 | 16.3 | 16.6 | 14.2           | 15.7 | 14.5 | 16.0 | 16.4 |
|                 | 3H   | 15.8             | 17.2 | 16.2 | 17.6 | 17.9 | 15.6           | 17.0 | 16.0 | 17.3 | 17.7 |
|                 | 4H   | 16.4             | 17.7 | 16.8 | 18.0 | 18.4 | 16.2           | 17.5 | 16.6 | 17.8 | 18.2 |
|                 | 6H   | 16.8             | 18.0 | 17.2 | 18.3 | 18.7 | 16.6           | 17.8 | 17.0 | 18.2 | 18.6 |
|                 | 8H   | 16.9             | 18.0 | 17.3 | 18.4 | 18.8 | 16.7           | 17.9 | 17.1 | 18.3 | 18.7 |
|                 | 12H  | 16.9             | 18.1 | 17.4 | 18.4 | 18.9 | 16.8           | 17.9 | 17.2 | 18.3 | 18.7 |
| 4H              | 2H   | 14.8             | 16.1 | 15.2 | 16.4 | 16.8 | 14.6           | 15.9 | 15.0 | 16.3 | 16.6 |
|                 | 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 | 17.6 | 18.6 | 19.0 | 17.0           | 18.0 | 17.4 | 18.4 | 18.8 |
|                 | 6H   | 17.7             | 18.5 | 18.1 | 19.0 | 19.4 | 17.5           | 18.4 | 18.0 | 18.8 | 19.3 |
|                 | 8H   | 17.9             | 18.7 | 18.3 | 19.1 | 19.6 | 17.7           | 18.5 | 18.2 | 19.0 | 19.4 |
|                 | 12H  | 18.0             | 18.7 | 18.4 | 19.2 | 19.6 | 17.8           | 18.5 | 18.3 | 19.0 | 19.5 |
| 8H              | 4H   | 17.4             | 18.2 | 17.9 | 18.7 | 19.1 | 17.3           | 18.1 | 17.7 | 18.5 | 19.0 |
|                 | 6H   | 18.1             | 18.8 | 18.6 | 19.2 | 19.7 | 18.0           | 18.6 | 18.5 | 19.1 | 19.6 |
|                 | 8H   | 18.3             | 18.9 | 18.8 | 19.4 | 19.9 | 18.2           | 18.8 | 18.7 | 19.3 | 19.8 |
|                 | 12H  | 18.5             | 19.0 | 19.0 | 19.5 | 20.1 | 18.4           | 18.9 | 18.9 | 19.4 | 20.0 |
| 12H             | 4H   | 17.4             | 18.2 | 17.9 | 18.6 | 19.1 | 17.3           | 18.0 | 17.8 | 18.5 | 19.0 |
|                 | 6H   | 18.1             | 18.8 | 18.7 | 19.2 | 19.8 | 18.0           | 18.6 | 18.5 | 19.1 | 19.6 |
|                 | 8H   | 18.4             | 19.0 | 18.9 | 19.5 | 20.0 | 18.3           | 18.9 | 18.8 | 19.3 | 19.9 |













(END OF REPORT)