

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: P1050388

Luminaire Tested: PTR-14-80-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: PTR-14-80-PR1-L830-UNV-STD-W  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS  
  
Light Source:  
Ballast/Driver: -

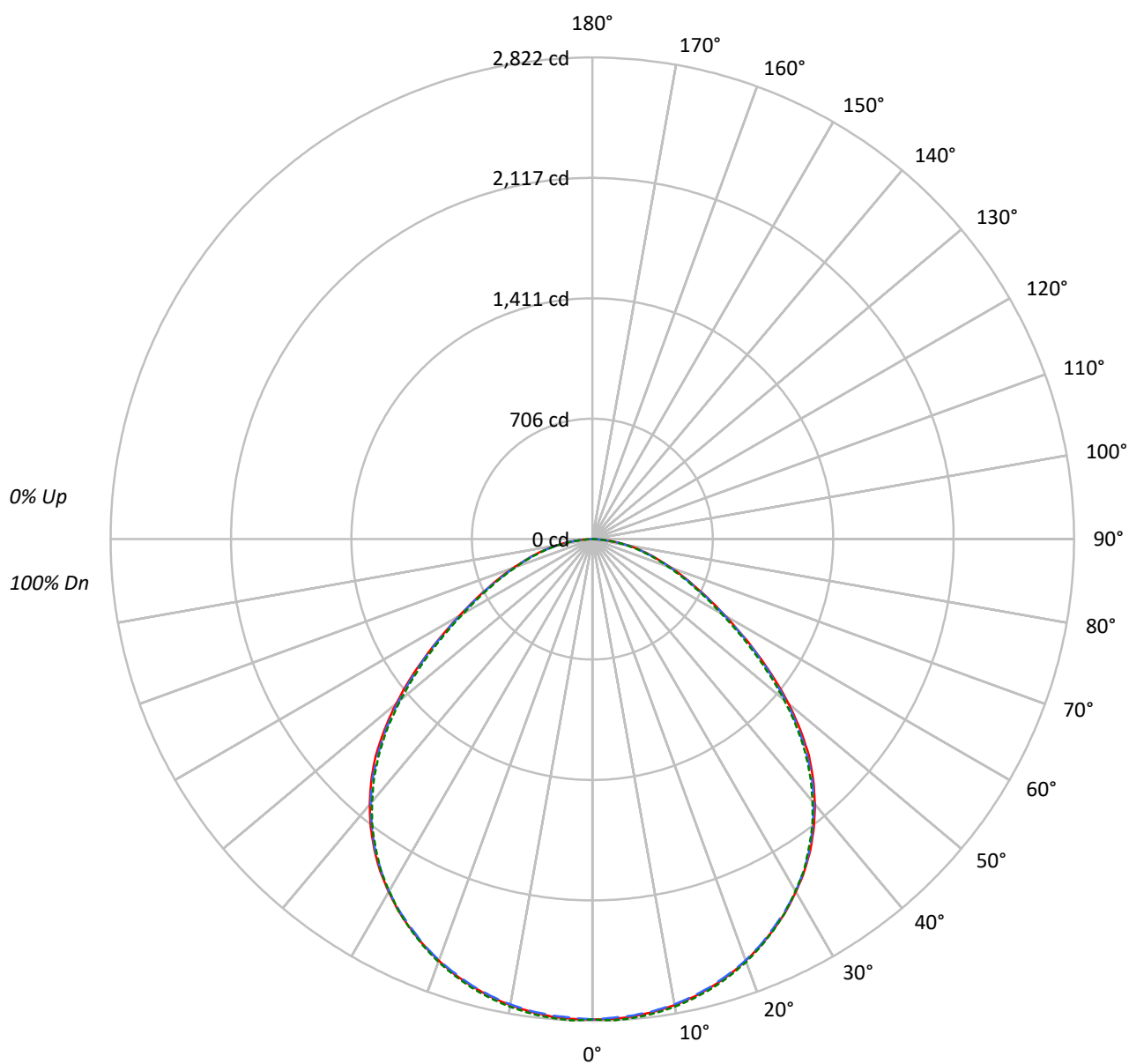
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7117.5 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 71  
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 | 100 |    |    |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 88  | 85  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |    |    |
| 3   | 92  | 82  | 74  | 68  | 90  | 80  | 73  | 68  | 78  | 71  | 66  | 75  | 70  | 65  | 72  | 68  | 64  | 62  |    |    |
| 4   | 85  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 54  |    |    |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 56  | 50  | 62  | 55  | 50  | 61  | 54  | 49  | 59  | 53  | 49  | 47  |    |    |
| 6   | 72  | 59  | 51  | 45  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 49  | 44  | 53  | 48  | 43  | 41  |    |    |
| 7   | 67  | 54  | 45  | 40  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 37  |    |    |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 31  | 30  |    |    |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 39  | 33  | 29  | 27  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 7573 | 7573 | 7573 |
| 5°  | 7581 | 7564 | 7605 |
| 10° | 7574 | 7561 | 7602 |
| 15° | 7560 | 7548 | 7584 |
| 20° | 7528 | 7519 | 7548 |
| 25° | 7479 | 7461 | 7488 |
| 30° | 7412 | 7403 | 7394 |
| 35° | 7311 | 7294 | 7264 |
| 40° | 7126 | 7098 | 7047 |
| 45° | 6829 | 6752 | 6703 |
| 50° | 6283 | 6213 | 6136 |
| 55° | 5561 | 5537 | 5428 |
| 60° | 4832 | 4815 | 4684 |
| 65° | 4259 | 4233 | 4149 |
| 70° | 3864 | 3809 | 3731 |
| 75° | 3578 | 3494 | 3429 |
| 80° | 3265 | 3220 | 3112 |
| 85° | 2581 | 2556 | 2455 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6829 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 266.9  | 3.8       |
| 10°-20°   | 766.3  | 10.8      |
| 20°-30°   | 1160.8 | 16.3      |
| 30°-40°   | 1385.8 | 19.5      |
| 40°-50°   | 1362.8 | 19.1      |
| 50°-60°   | 1053.3 | 14.8      |
| 60°-70°   | 664.2  | 9.3       |
| 70°-80°   | 359.3  | 5.0       |
| 80°-90°   | 98.1   | 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°    | 2194.0 | 30.8      |
| 0°-40°    | 3579.8 | 50.3      |
| 0°-60°    | 5995.9 | 84.2      |
| 0°-90°    | 7117.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7117.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2814 | 2814  | 2814 | 2814  | 2814 |      |
| 5°  | 2806 | 2807  | 2800 | 2812  | 2815 | 267  |
| 15° | 2714 | 2714  | 2710 | 2718  | 2722 | 766  |
| 25° | 2519 | 2521  | 2513 | 2521  | 2522 | 1161 |
| 35° | 2225 | 2226  | 2220 | 2217  | 2211 | 1389 |
| 45° | 1794 | 1787  | 1774 | 1760  | 1761 | 1374 |
| 55° | 1185 | 1195  | 1180 | 1161  | 1157 | 1064 |
| 65° | 669  | 670   | 665  | 654   | 652  | 673  |
| 75° | 344  | 340   | 336  | 338   | 330  | 366  |
| 85° | 84   | 85    | 83   | 84    | 80   | 99   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2814.3 | 2814.3 | 2814.3 | 2814.3 | 2814.3 |
| 2.5°  | 2813.2 | 2814.3 | 2806.3 | 2819.5 | 2822.4 |
| 5°    | 2806.3 | 2807.4 | 2800.0 | 2812.1 | 2815.4 |
| 7.5°  | 2792.0 | 2794.2 | 2787.2 | 2799.3 | 2802.2 |
| 10°   | 2771.8 | 2774.0 | 2767.1 | 2779.2 | 2782.1 |
| 12.5° | 2746.9 | 2747.6 | 2741.8 | 2752.8 | 2755.7 |
| 15°   | 2713.6 | 2714.3 | 2709.5 | 2718.3 | 2722.4 |
| 17.5° | 2675.1 | 2676.2 | 2669.2 | 2680.2 | 2682.0 |
| 20°   | 2628.9 | 2629.6 | 2625.6 | 2634.8 | 2635.9 |
| 22.5° | 2577.2 | 2579.4 | 2573.2 | 2581.2 | 2582.3 |
| 25°   | 2518.9 | 2520.8 | 2512.7 | 2520.8 | 2521.9 |
| 27.5° | 2457.4 | 2458.1 | 2451.1 | 2457.4 | 2456.3 |
| 30°   | 2385.5 | 2391.8 | 2382.6 | 2380.4 | 2379.7 |
| 32.5° | 2311.1 | 2311.9 | 2303.1 | 2300.9 | 2304.9 |
| 35°   | 2225.4 | 2226.1 | 2220.2 | 2217.3 | 2211.1 |
| 37.5° | 2131.6 | 2131.6 | 2120.2 | 2118.4 | 2117.3 |
| 40°   | 2028.6 | 2027.5 | 2020.5 | 2013.5 | 2006.2 |
| 42.5° | 1916.4 | 1918.6 | 1904.3 | 1892.2 | 1890.4 |
| 45°   | 1794.4 | 1787.4 | 1774.2 | 1760.3 | 1761.4 |
| 47.5° | 1650.3 | 1652.2 | 1634.2 | 1622.9 | 1619.9 |
| 50°   | 1500.8 | 1500.8 | 1484.0 | 1471.9 | 1465.6 |
| 52.5° | 1344.7 | 1345.8 | 1329.7 | 1313.5 | 1310.2 |
| 55°   | 1185.3 | 1195.2 | 1180.1 | 1161.1 | 1157.0 |
| 57.5° | 1036.1 | 1044.2 | 1029.9 | 1009.7 | 1008.6 |
| 60°   | 897.9  | 898.7  | 894.6  | 875.6  | 870.4  |
| 62.5° | 779.9  | 774.8  | 772.6  | 762.7  | 756.5  |
| 65°   | 668.9  | 670.0  | 664.8  | 653.5  | 651.6  |
| 67.5° | 579.1  | 578.0  | 568.8  | 561.8  | 557.8  |
| 70°   | 491.1  | 488.2  | 484.1  | 478.3  | 474.2  |
| 72.5° | 412.7  | 412.7  | 409.4  | 407.5  | 400.6  |
| 75°   | 344.1  | 340.1  | 336.1  | 337.9  | 329.8  |
| 77.5° | 278.5  | 274.5  | 271.2  | 267.2  | 265.3  |
| 80°   | 210.7  | 206.7  | 207.8  | 201.6  | 200.8  |
| 82.5° | 146.2  | 146.2  | 144.4  | 139.3  | 140.4  |
| 85°   | 83.6   | 84.7   | 82.8   | 83.6   | 79.5   |
| 87.5° | 30.4   | 31.2   | 33.4   | 31.2   | 31.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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





(END OF REPORT)