

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: P1050528

Luminaire Tested: 24PTR-80-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050528  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-80-L935-UNV-STD-W  
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS  
  
Light Source:  
Ballast/Driver: -

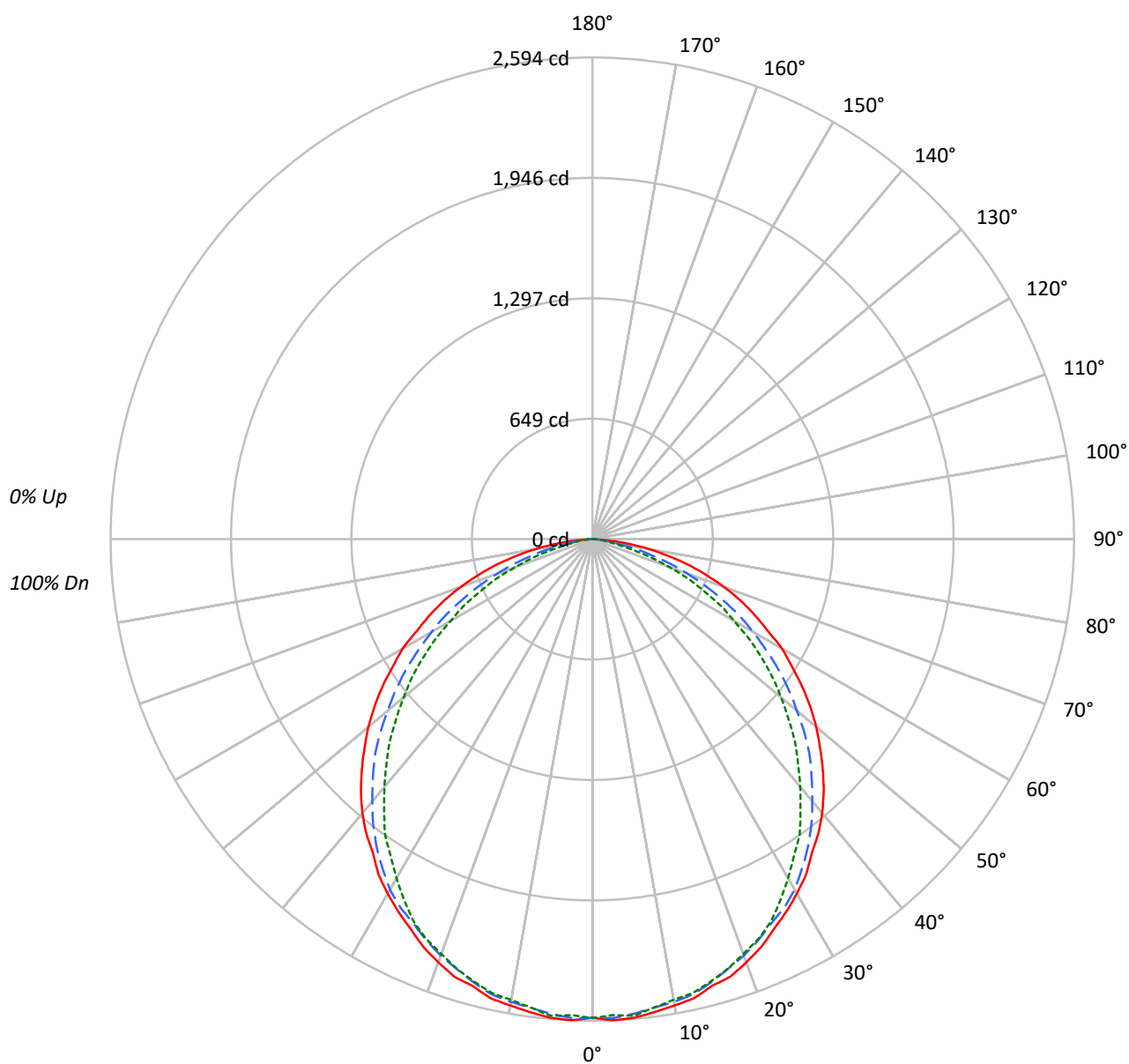
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6867.4 lumens  
Efficiency: N/A  
Efficacy: 101.0 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): 68  
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 | 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°  | 3469 | 3469 | 3469 |
| 5°  | 3495 | 3466 | 3480 |
| 10° | 3485 | 3457 | 3443 |
| 15° | 3469 | 3442 | 3435 |
| 20° | 3472 | 3417 | 3403 |
| 25° | 3438 | 3388 | 3376 |
| 30° | 3423 | 3385 | 3276 |
| 35° | 3385 | 3324 | 3196 |
| 40° | 3382 | 3237 | 3058 |
| 45° | 3340 | 3153 | 2936 |
| 50° | 3295 | 3012 | 2777 |
| 55° | 3231 | 2871 | 2608 |
| 60° | 3173 | 2686 | 2368 |
| 65° | 3065 | 2464 | 2117 |
| 70° | 2966 | 2144 | 1728 |
| 75° | 2786 | 1692 | 1189 |
| 80° | 2415 | 1024 | 714  |
| 85° | 1612 | 735  | 687  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3340 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 244.4  | 3.6       |
| 10°-20°   | 699.3  | 10.2      |
| 20°-30°   | 1056.3 | 15.4      |
| 30°-40°   | 1256.0 | 18.3      |
| 40°-50°   | 1273.8 | 18.5      |
| 50°-60°   | 1106.1 | 16.1      |
| 60°-70°   | 785.2  | 11.4      |
| 70°-80°   | 375.2  | 5.5       |
| 80°-90°   | 71.1   | 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°    | 2000.0 | 29.1      |
| 0°-40°    | 3256.0 | 47.4      |
| 0°-60°    | 5635.9 | 82.1      |
| 0°-90°    | 6867.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6867.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2578 | 2578  | 2578 | 2578  | 2578 |      |
| 5°  | 2587 | 2578  | 2566 | 2572  | 2577 | 246  |
| 15° | 2491 | 2497  | 2471 | 2468  | 2466 | 706  |
| 25° | 2316 | 2312  | 2282 | 2291  | 2274 | 1069 |
| 35° | 2061 | 2058  | 2024 | 1955  | 1946 | 1295 |
| 45° | 1755 | 1740  | 1657 | 1569  | 1543 | 1354 |
| 55° | 1377 | 1336  | 1224 | 1152  | 1112 | 1231 |
| 65° | 963  | 891   | 774  | 691   | 665  | 954  |
| 75° | 536  | 438   | 326  | 258   | 229  | 562  |
| 85° | 104  | 55    | 48   | 46    | 44   | 132  |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2578.2 | 2578.2 | 2578.2 | 2578.2 | 2578.2 |
| 2.5°  | 2593.5 | 2584.3 | 2581.3 | 2592.0 | 2565.9 |
| 5°    | 2587.4 | 2578.2 | 2565.9 | 2572.0 | 2576.6 |
| 7.5°  | 2569.0 | 2561.3 | 2544.4 | 2558.2 | 2544.4 |
| 10°   | 2550.5 | 2542.9 | 2530.6 | 2535.2 | 2519.8 |
| 12.5° | 2532.1 | 2513.7 | 2510.6 | 2513.7 | 2502.9 |
| 15°   | 2490.7 | 2496.8 | 2470.7 | 2467.6 | 2466.1 |
| 17.5° | 2470.7 | 2455.3 | 2427.7 | 2429.2 | 2426.2 |
| 20°   | 2424.6 | 2406.2 | 2386.2 | 2383.2 | 2377.0 |
| 22.5° | 2377.0 | 2355.5 | 2337.1 | 2346.3 | 2332.5 |
| 25°   | 2315.6 | 2312.5 | 2281.8 | 2291.0 | 2274.1 |
| 27.5° | 2261.9 | 2251.1 | 2237.3 | 2217.3 | 2192.8 |
| 30°   | 2203.5 | 2192.8 | 2178.9 | 2126.7 | 2108.3 |
| 32.5° | 2142.1 | 2129.8 | 2102.2 | 2040.7 | 2020.8 |
| 35°   | 2060.7 | 2057.6 | 2023.9 | 1954.8 | 1945.5 |
| 37.5° | 1999.3 | 1965.5 | 1937.9 | 1867.2 | 1841.1 |
| 40°   | 1925.6 | 1907.1 | 1842.7 | 1775.1 | 1741.3 |
| 42.5° | 1844.2 | 1822.7 | 1749.0 | 1676.8 | 1640.0 |
| 45°   | 1755.1 | 1739.8 | 1656.9 | 1569.3 | 1543.2 |
| 47.5° | 1663.0 | 1649.2 | 1550.9 | 1466.4 | 1432.7 |
| 50°   | 1573.9 | 1557.0 | 1438.8 | 1357.4 | 1326.7 |
| 52.5° | 1477.2 | 1449.6 | 1332.9 | 1253.0 | 1223.8 |
| 55°   | 1377.4 | 1335.9 | 1223.8 | 1151.7 | 1111.7 |
| 57.5° | 1271.4 | 1233.0 | 1108.7 | 1033.4 | 1001.2 |
| 60°   | 1179.3 | 1125.6 | 998.1  | 921.3  | 879.9  |
| 62.5° | 1061.1 | 1015.0 | 893.7  | 803.1  | 783.1  |
| 65°   | 962.8  | 890.6  | 773.9  | 691.0  | 664.9  |
| 67.5° | 863.0  | 778.5  | 660.3  | 575.8  | 562.0  |
| 70°   | 754.0  | 666.4  | 545.1  | 462.2  | 439.2  |
| 72.5° | 643.4  | 557.4  | 439.2  | 351.6  | 337.8  |
| 75°   | 535.9  | 437.6  | 325.5  | 258.0  | 228.8  |
| 77.5° | 419.2  | 330.1  | 228.8  | 158.2  | 139.7  |
| 80°   | 311.7  | 222.7  | 132.1  | 93.7   | 92.1   |
| 82.5° | 204.2  | 129.0  | 70.6   | 72.2   | 69.1   |
| 85°   | 104.4  | 55.3   | 47.6   | 46.1   | 44.5   |
| 87.5° | 20.0   | 21.5   | 23.0   | 23.0   | 23.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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





(END OF REPORT)