

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: P1051067

Luminaire Tested: 24PTR-80-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1051067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-80-PW1-L935-UNV-STD-W  
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source:  
Ballast/Driver: -

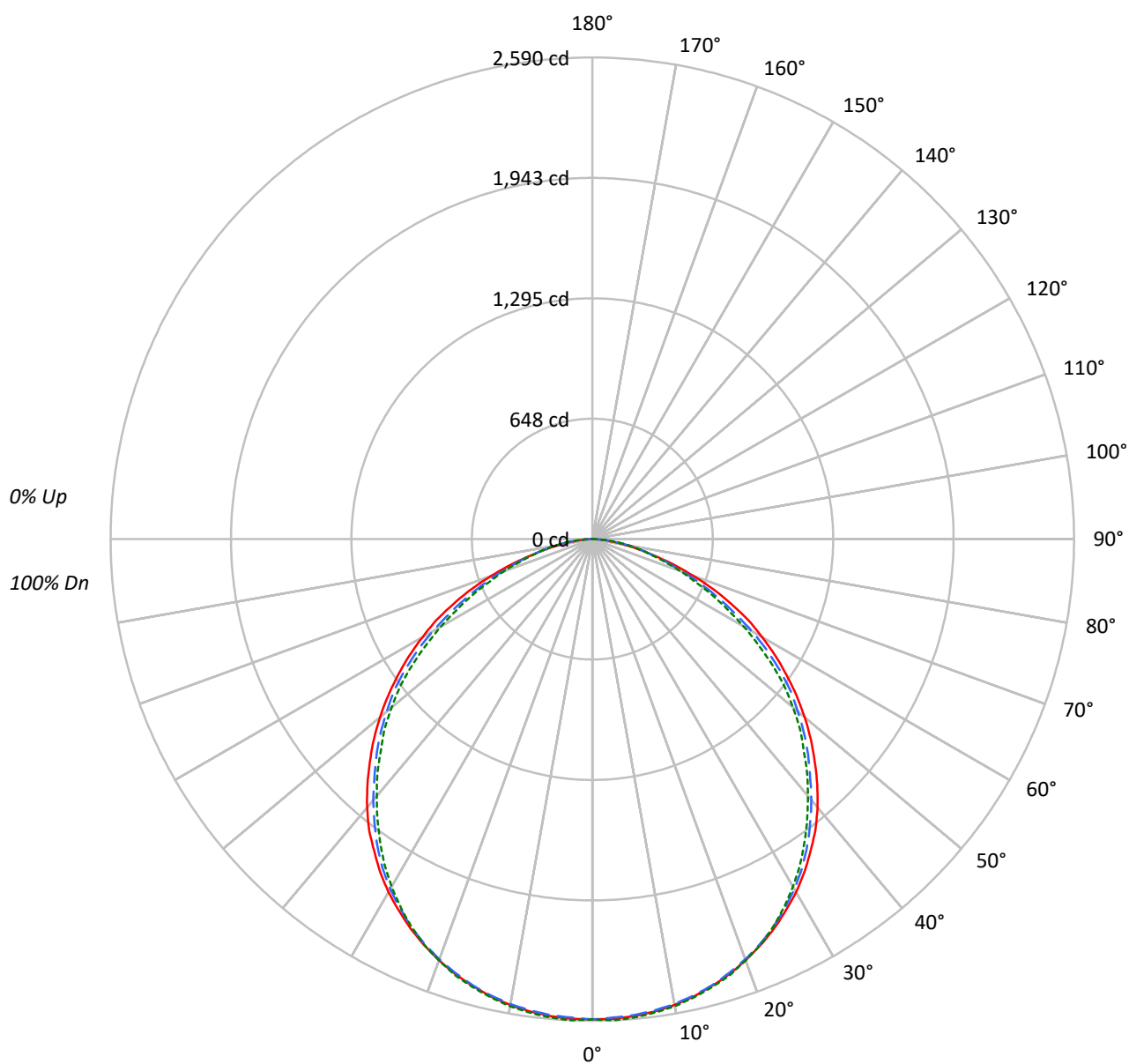
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6852.1 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34  
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  | 95  | 98  | 95  | 92  | 94  | 92  | 90  | 91  | 89  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 85  | 80  | 97  | 90  | 84  | 79  | 86  | 81  | 77  | 83  | 79  | 75  | 80  | 77  | 74  | 74  | 74  | 71  |
| 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  | 57  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 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   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 33  | 33  | 33  | 31  |
| 9   | 58  | 44  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 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  | 28  | 38  | 32  | 27  | 27  | 27  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3474 | 3474 | 3474 |
| 5°  | 3477 | 3469 | 3487 |
| 10° | 3475 | 3468 | 3485 |
| 15° | 3465 | 3460 | 3473 |
| 20° | 3451 | 3443 | 3451 |
| 25° | 3432 | 3417 | 3415 |
| 30° | 3405 | 3376 | 3352 |
| 35° | 3360 | 3309 | 3267 |
| 40° | 3308 | 3218 | 3167 |
| 45° | 3217 | 3122 | 3058 |
| 50° | 3120 | 3018 | 2948 |
| 55° | 2990 | 2889 | 2773 |
| 60° | 2835 | 2667 | 2528 |
| 65° | 2622 | 2382 | 2263 |
| 70° | 2273 | 2073 | 1995 |
| 75° | 1814 | 1775 | 1726 |
| 80° | 1379 | 1541 | 1541 |
| 85° | 1020 | 1315 | 1315 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3217 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 244.9  | 3.6       |
| 10°-20°   | 702.3  | 10.2      |
| 20°-30°   | 1061.5 | 15.5      |
| 30°-40°   | 1260.4 | 18.4      |
| 40°-50°   | 1269.8 | 18.5      |
| 50°-60°   | 1097.6 | 16.0      |
| 60°-70°   | 750.1  | 10.9      |
| 70°-80°   | 369.9  | 5.4       |
| 80°-90°   | 95.7   | 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°    | 2008.6 | 29.3      |
| 0°-40°    | 3269.0 | 47.7      |
| 0°-60°    | 5636.4 | 82.3      |
| 0°-90°    | 6852.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6852.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2582 | 2582  | 2582 | 2582  | 2582 |      |
| 5°  | 2574 | 2575  | 2569 | 2579  | 2582 | 245  |
| 15° | 2487 | 2490  | 2484 | 2492  | 2493 | 702  |
| 25° | 2312 | 2309  | 2302 | 2304  | 2300 | 1065 |
| 35° | 2046 | 2039  | 2015 | 1996  | 1989 | 1280 |
| 45° | 1691 | 1672  | 1640 | 1621  | 1607 | 1305 |
| 55° | 1274 | 1271  | 1231 | 1195  | 1182 | 1139 |
| 65° | 824  | 794   | 748  | 716   | 711  | 813  |
| 75° | 349  | 346   | 341  | 341   | 332  | 380  |
| 85° | 66   | 78    | 85   | 87    | 85   | 81   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2582.0 | 2582.0 | 2582.0 | 2582.0 | 2582.0 |
| 2.5°  | 2581.3 | 2582.0 | 2575.4 | 2586.8 | 2589.6 |
| 5°    | 2574.3 | 2575.4 | 2568.8 | 2579.2 | 2582.0 |
| 7.5°  | 2562.2 | 2563.9 | 2556.3 | 2566.7 | 2568.8 |
| 10°   | 2543.7 | 2544.8 | 2538.2 | 2548.6 | 2550.7 |
| 12.5° | 2519.1 | 2519.7 | 2514.2 | 2523.6 | 2523.6 |
| 15°   | 2487.4 | 2490.2 | 2483.6 | 2492.3 | 2493.0 |
| 17.5° | 2452.0 | 2453.0 | 2446.4 | 2455.8 | 2457.9 |
| 20°   | 2409.9 | 2409.9 | 2404.3 | 2412.0 | 2409.9 |
| 22.5° | 2363.0 | 2363.0 | 2356.4 | 2360.2 | 2361.9 |
| 25°   | 2311.5 | 2309.4 | 2301.8 | 2303.9 | 2300.0 |
| 27.5° | 2252.1 | 2252.1 | 2238.5 | 2238.5 | 2231.9 |
| 30°   | 2191.9 | 2187.1 | 2172.8 | 2164.1 | 2157.5 |
| 32.5° | 2122.7 | 2116.1 | 2098.1 | 2082.8 | 2077.9 |
| 35°   | 2045.6 | 2038.6 | 2014.6 | 1996.5 | 1988.9 |
| 37.5° | 1970.8 | 1955.5 | 1923.9 | 1905.8 | 1897.1 |
| 40°   | 1883.6 | 1864.4 | 1832.1 | 1807.1 | 1803.2 |
| 42.5° | 1790.0 | 1774.7 | 1732.7 | 1714.3 | 1709.7 |
| 45°   | 1690.6 | 1672.2 | 1640.5 | 1621.4 | 1607.2 |
| 47.5° | 1592.9 | 1579.4 | 1543.2 | 1520.3 | 1515.4 |
| 50°   | 1490.4 | 1478.9 | 1441.7 | 1417.0 | 1408.3 |
| 52.5° | 1384.3 | 1376.7 | 1345.0 | 1313.4 | 1303.0 |
| 55°   | 1274.5 | 1270.7 | 1231.4 | 1194.9 | 1182.3 |
| 57.5° | 1166.4 | 1161.5 | 1112.5 | 1070.4 | 1058.9 |
| 60°   | 1053.4 | 1039.1 | 991.1  | 951.9  | 939.3  |
| 62.5° | 946.3  | 915.7  | 863.9  | 833.3  | 819.1  |
| 65°   | 823.6  | 794.0  | 748.1  | 715.5  | 710.9  |
| 67.5° | 703.3  | 667.8  | 632.4  | 612.2  | 596.9  |
| 70°   | 577.8  | 553.8  | 527.0  | 510.0  | 507.2  |
| 72.5° | 461.0  | 443.9  | 430.4  | 420.0  | 411.3  |
| 75°   | 349.0  | 346.3  | 341.4  | 341.4  | 332.0  |
| 77.5° | 256.6  | 263.2  | 267.0  | 266.0  | 268.0  |
| 80°   | 178.0  | 191.2  | 198.9  | 199.9  | 198.9  |
| 82.5° | 113.0  | 128.3  | 140.8  | 142.5  | 144.6  |
| 85°   | 66.1   | 77.5   | 85.2   | 86.9   | 85.2   |
| 87.5° | 29.6   | 37.2   | 39.3   | 41.0   | 39.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |







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





(END OF REPORT)