

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: P1050889

Luminaire Tested: 24PTR-60-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1050889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24PTR-60-PP3-L850-UNV-STD-W  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS  
  
Light Source:  
Ballast/Driver: -

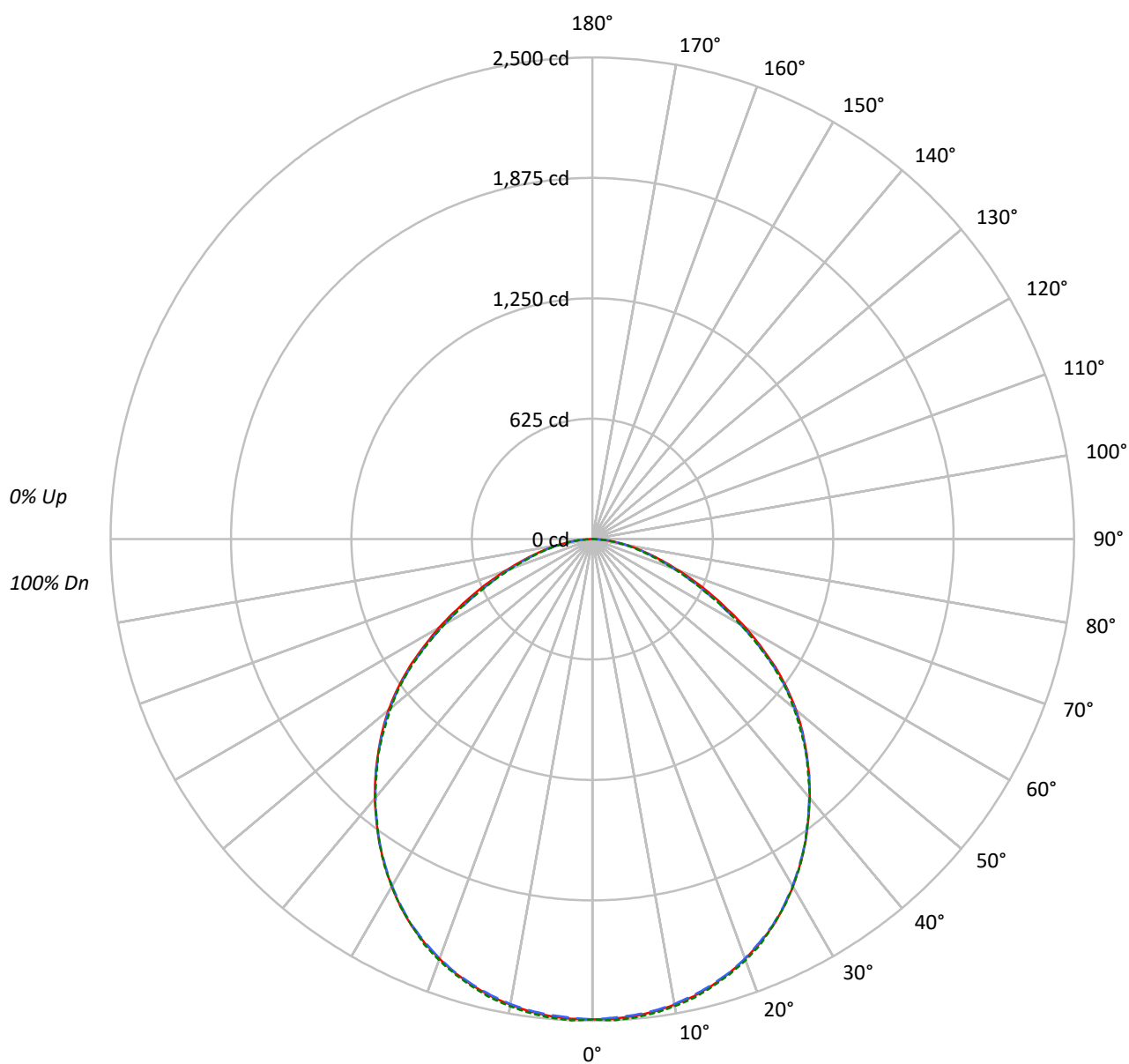
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6440.8 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 51  
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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 78  | 84  | 79  | 76  | 81  | 77  | 74  | 72  |    |    |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 61  |    |    |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 53  |    |    |
| 5   | 77  | 65  | 56  | 50  | 75  | 64  | 56  | 50  | 62  | 55  | 49  | 60  | 54  | 49  | 58  | 52  | 48  | 46  |    |    |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  | 54  | 48  | 43  | 53  | 47  | 42  | 40  |    |    |
| 7   | 66  | 53  | 45  | 39  | 65  | 52  | 44  | 39  | 51  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 38  | 36  |    |    |
| 8   | 62  | 49  | 40  | 35  | 60  | 48  | 40  | 35  | 47  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    |    |
| 9   | 58  | 45  | 37  | 31  | 57  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 31  | 29  |    |    |
| 10  | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3354 | 3354 | 3354 |
| 5°  | 3357 | 3350 | 3368 |
| 10° | 3352 | 3347 | 3364 |
| 15° | 3341 | 3335 | 3350 |
| 20° | 3319 | 3317 | 3331 |
| 25° | 3290 | 3284 | 3288 |
| 30° | 3234 | 3228 | 3234 |
| 35° | 3164 | 3160 | 3162 |
| 40° | 3083 | 3073 | 3081 |
| 45° | 2990 | 2982 | 2985 |
| 50° | 2891 | 2877 | 2856 |
| 55° | 2721 | 2689 | 2681 |
| 60° | 2469 | 2386 | 2391 |
| 65° | 2169 | 2060 | 2057 |
| 70° | 1875 | 1790 | 1769 |
| 75° | 1622 | 1562 | 1528 |
| 80° | 1437 | 1416 | 1353 |
| 85° | 1187 | 1229 | 1158 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3001 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 236.4  | 3.7       |
| 10°-20°   | 677.3  | 10.5      |
| 20°-30°   | 1019.6 | 15.8      |
| 30°-40°   | 1203.4 | 18.7      |
| 40°-50°   | 1210.3 | 18.8      |
| 50°-60°   | 1021.8 | 15.9      |
| 60°-70°   | 656.2  | 10.2      |
| 70°-80°   | 326.4  | 5.1       |
| 80°-90°   | 89.4   | 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°    | 1933.3 | 30.0      |
| 0°-40°    | 3136.7 | 48.7      |
| 0°-60°    | 5368.8 | 83.4      |
| 0°-90°    | 6440.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6440.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2493 | 2493  | 2493 | 2493  | 2493 |      |
| 5°  | 2486 | 2486  | 2480 | 2492  | 2494 | 236  |
| 15° | 2399 | 2399  | 2394 | 2405  | 2405 | 677  |
| 25° | 2216 | 2217  | 2212 | 2217  | 2215 | 1020 |
| 35° | 1926 | 1927  | 1924 | 1925  | 1925 | 1204 |
| 45° | 1572 | 1577  | 1567 | 1569  | 1569 | 1213 |
| 55° | 1160 | 1159  | 1146 | 1142  | 1143 | 1032 |
| 65° | 681  | 671   | 647  | 640   | 646  | 679  |
| 75° | 312  | 310   | 300  | 298   | 294  | 338  |
| 85° | 77   | 80    | 80   | 75    | 75   | 90   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2492.8 | 2492.8 | 2492.8 | 2492.8 | 2492.8 |
| 2.5°  | 2491.8 | 2492.8 | 2486.2 | 2498.1 | 2500.0 |
| 5°    | 2485.6 | 2486.2 | 2480.0 | 2491.8 | 2493.5 |
| 7.5°  | 2472.8 | 2473.7 | 2468.1 | 2479.0 | 2481.0 |
| 10°   | 2453.7 | 2456.6 | 2450.1 | 2460.3 | 2461.9 |
| 12.5° | 2430.3 | 2431.3 | 2424.7 | 2436.6 | 2438.6 |
| 15°   | 2398.8 | 2399.4 | 2394.2 | 2405.0 | 2405.0 |
| 17.5° | 2362.3 | 2363.3 | 2359.7 | 2368.9 | 2367.9 |
| 20°   | 2318.2 | 2320.9 | 2316.3 | 2322.5 | 2326.1 |
| 22.5° | 2270.2 | 2271.2 | 2265.6 | 2273.8 | 2277.5 |
| 25°   | 2216.0 | 2216.6 | 2212.4 | 2216.6 | 2215.0 |
| 27.5° | 2152.5 | 2154.2 | 2147.9 | 2152.5 | 2153.5 |
| 30°   | 2081.8 | 2086.4 | 2077.6 | 2081.2 | 2081.8 |
| 32.5° | 2005.9 | 2008.5 | 2002.3 | 2003.3 | 2007.9 |
| 35°   | 1926.3 | 1927.3 | 1923.7 | 1925.3 | 1925.3 |
| 37.5° | 1840.5 | 1844.1 | 1838.5 | 1841.2 | 1837.5 |
| 40°   | 1755.4 | 1751.7 | 1749.8 | 1751.7 | 1754.4 |
| 42.5° | 1665.6 | 1666.6 | 1664.0 | 1662.0 | 1657.7 |
| 45°   | 1571.6 | 1577.2 | 1567.0 | 1568.9 | 1568.9 |
| 47.5° | 1479.5 | 1480.2 | 1474.9 | 1469.3 | 1465.7 |
| 50°   | 1380.9 | 1380.9 | 1374.3 | 1370.0 | 1364.4 |
| 52.5° | 1273.0 | 1271.4 | 1264.2 | 1259.6 | 1262.2 |
| 55°   | 1159.9 | 1158.9 | 1146.5 | 1141.9 | 1142.8 |
| 57.5° | 1036.0 | 1038.0 | 1018.9 | 1014.3 | 1014.3 |
| 60°   | 917.6  | 908.4  | 886.7  | 880.5  | 888.4  |
| 62.5° | 793.3  | 782.5  | 759.2  | 759.2  | 765.4  |
| 65°   | 681.2  | 671.4  | 647.0  | 640.5  | 646.1  |
| 67.5° | 576.4  | 567.1  | 544.8  | 541.2  | 542.8  |
| 70°   | 476.7  | 468.8  | 455.0  | 446.8  | 449.8  |
| 72.5° | 390.9  | 383.7  | 374.5  | 368.2  | 364.6  |
| 75°   | 312.0  | 310.4  | 300.5  | 297.5  | 293.9  |
| 77.5° | 246.9  | 246.3  | 238.0  | 234.4  | 230.8  |
| 80°   | 185.4  | 184.4  | 182.8  | 177.2  | 174.6  |
| 82.5° | 132.2  | 132.2  | 131.2  | 126.6  | 123.9  |
| 85°   | 76.9   | 79.6   | 79.6   | 75.0   | 75.0   |
| 87.5° | 30.9   | 32.5   | 30.9   | 30.9   | 29.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |









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





(END OF REPORT)