

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: P#

Luminaire Tested: 14D3X-LP-25-L950.ies

Issue Date: 2/27/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/27/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 14D3X-LP-25-L950.ies  
Description: 1x4 D3X-LP AT 2500lm 5000K 90CRI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2175.2 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

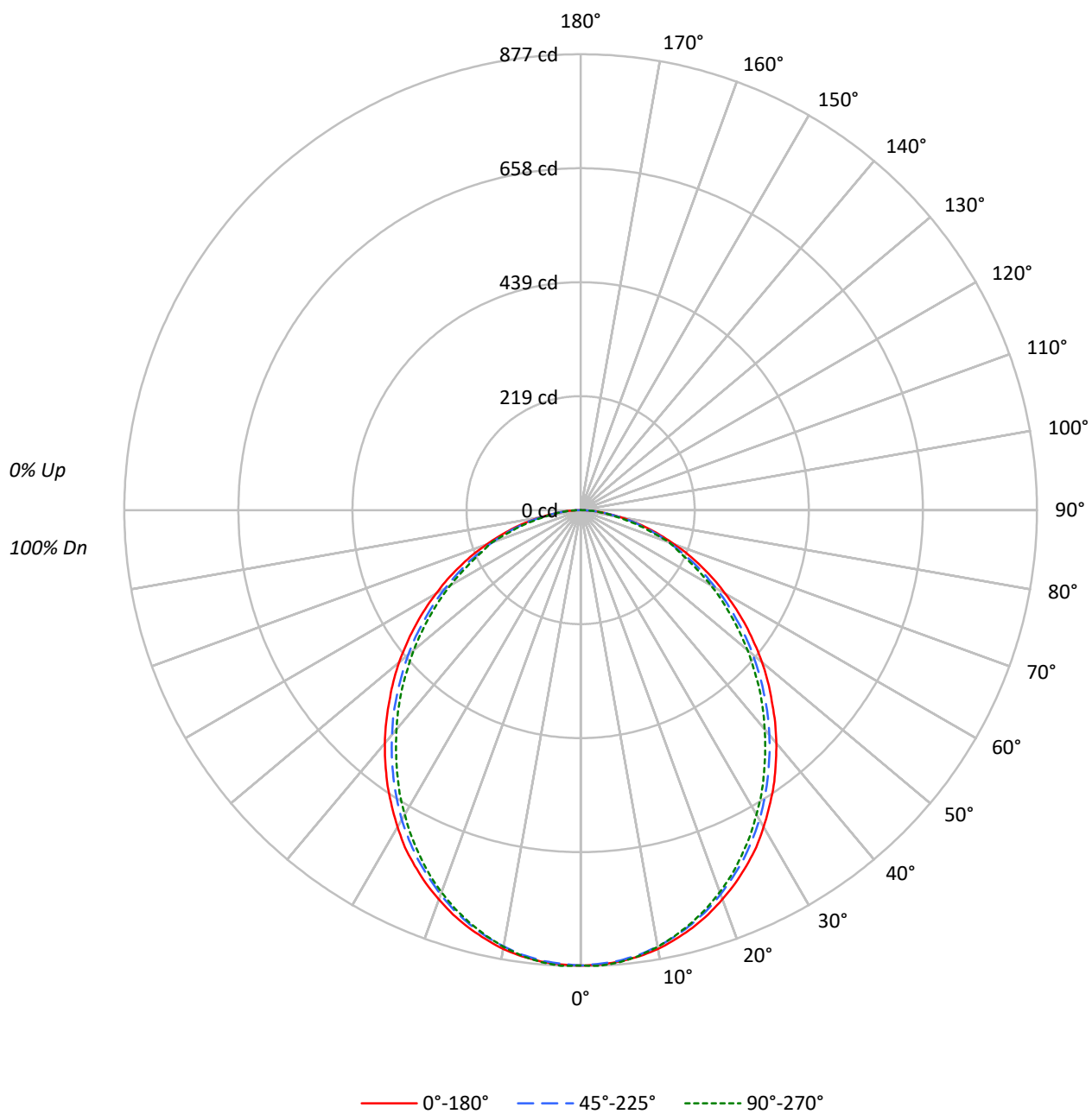
Input Watts (W): 27  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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 | 100 |    | 100 |
| 1   | 109 | 105 | 100 | 97  | 106 | 102 | 98  | 95  | 98  | 95  | 92  | 94  | 92  | 89  | 91  | 88  | 87  | 85  |    | 85  |
| 2   | 100 | 92  | 85  | 79  | 97  | 90  | 84  | 78  | 86  | 81  | 77  | 83  | 79  | 75  | 80  | 76  | 73  | 71  |    | 71  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 66  | 63  | 60  |    | 60  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 52  |    | 52  |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 45  |    | 45  |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 46  | 42  | 40  |    | 40  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 35  |    | 35  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |    | 32  |
| 9   | 58  | 45  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 30  | 29  |    | 29  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 26  |    | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2357 | 2357 | 2357 |
| 5°  | 2354 | 2349 | 2357 |
| 10° | 2343 | 2329 | 2330 |
| 15° | 2317 | 2297 | 2290 |
| 20° | 2282 | 2253 | 2240 |
| 25° | 2240 | 2200 | 2175 |
| 30° | 2186 | 2136 | 2100 |
| 35° | 2125 | 2060 | 2020 |
| 40° | 2056 | 1981 | 1934 |
| 45° | 1978 | 1897 | 1848 |
| 50° | 1906 | 1809 | 1753 |
| 55° | 1819 | 1714 | 1653 |
| 60° | 1724 | 1616 | 1554 |
| 65° | 1626 | 1519 | 1450 |
| 70° | 1503 | 1417 | 1432 |
| 75° | 1384 | 1304 | 1237 |
| 80° | 1206 | 1156 | 1037 |
| 85° | 1013 | 954  | 954  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1978 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.6   | 3.8       |
| 10°-20°   | 232.7  | 10.7      |
| 20°-30°   | 341.5  | 15.7      |
| 30°-40°   | 393.4  | 18.1      |
| 40°-50°   | 386.1  | 17.8      |
| 50°-60°   | 329.2  | 15.1      |
| 60°-70°   | 238.2  | 10.9      |
| 70°-80°   | 133.9  | 6.2       |
| 80°-90°   | 37.4   | 1.7       |
| 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°    | 656.9  | 30.2      |
| 0°-40°    | 1050.3 | 48.3      |
| 0°-60°    | 1765.7 | 81.2      |
| 0°-90°    | 2175.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2175.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 876 | 876   | 876 | 876   | 876 |      |
| 5°  | 871 | 872   | 870 | 872   | 873 | 83   |
| 15° | 832 | 830   | 824 | 823   | 822 | 234  |
| 25° | 754 | 749   | 741 | 735   | 732 | 347  |
| 35° | 647 | 639   | 627 | 619   | 615 | 404  |
| 45° | 520 | 513   | 498 | 489   | 486 | 402  |
| 55° | 388 | 379   | 365 | 356   | 352 | 347  |
| 65° | 255 | 248   | 239 | 230   | 228 | 253  |
| 75° | 133 | 131   | 125 | 120   | 119 | 141  |
| 85° | 33  | 34    | 31  | 31    | 31  | 38   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 875.9 | 875.9 | 875.9 | 875.9 | 875.9 |
| 2.5°  | 874.7 | 875.3 | 873.4 | 876.6 | 877.2 |
| 5°    | 871.4 | 872.1 | 869.5 | 872.1 | 872.7 |
| 7.5°  | 865.7 | 865.7 | 862.4 | 864.4 | 864.4 |
| 10°   | 857.3 | 856.0 | 852.2 | 852.8 | 852.8 |
| 12.5° | 845.1 | 845.1 | 839.9 | 839.9 | 838.6 |
| 15°   | 831.6 | 830.3 | 824.5 | 823.2 | 821.9 |
| 17.5° | 815.5 | 813.6 | 807.1 | 804.6 | 803.3 |
| 20°   | 796.8 | 793.6 | 786.6 | 783.3 | 782.1 |
| 22.5° | 776.9 | 772.4 | 764.0 | 760.2 | 758.9 |
| 25°   | 754.4 | 748.6 | 740.9 | 735.1 | 732.5 |
| 27.5° | 731.2 | 725.5 | 714.5 | 708.1 | 705.5 |
| 30°   | 703.6 | 697.8 | 687.5 | 679.8 | 675.9 |
| 32.5° | 675.3 | 670.1 | 657.9 | 649.6 | 647.0 |
| 35°   | 647.0 | 639.3 | 627.1 | 618.7 | 614.8 |
| 37.5° | 616.1 | 609.7 | 596.2 | 587.2 | 582.7 |
| 40°   | 585.3 | 578.8 | 564.0 | 554.4 | 550.5 |
| 42.5° | 553.1 | 544.7 | 531.9 | 521.6 | 518.4 |
| 45°   | 519.7 | 513.2 | 498.4 | 488.8 | 485.6 |
| 47.5° | 488.1 | 478.5 | 465.0 | 455.3 | 450.8 |
| 50°   | 455.3 | 446.3 | 432.2 | 421.9 | 418.7 |
| 52.5° | 421.3 | 413.5 | 399.4 | 389.1 | 385.2 |
| 55°   | 387.8 | 379.4 | 365.3 | 356.3 | 352.4 |
| 57.5° | 354.4 | 346.6 | 333.8 | 323.5 | 320.9 |
| 60°   | 320.3 | 313.2 | 300.3 | 292.0 | 288.8 |
| 62.5° | 288.8 | 280.4 | 268.8 | 260.5 | 257.3 |
| 65°   | 255.3 | 248.2 | 238.6 | 229.6 | 227.7 |
| 67.5° | 224.5 | 219.3 | 207.1 | 200.7 | 201.3 |
| 70°   | 191.0 | 191.0 | 180.1 | 173.6 | 182.0 |
| 72.5° | 161.4 | 162.1 | 152.4 | 148.6 | 145.3 |
| 75°   | 133.1 | 130.6 | 125.4 | 120.3 | 119.0 |
| 77.5° | 104.8 | 106.1 | 101.6 | 92.0  | 90.7  |
| 80°   | 77.8  | 84.9  | 74.6  | 68.2  | 66.9  |
| 82.5° | 53.4  | 60.5  | 51.5  | 48.2  | 47.6  |
| 85°   | 32.8  | 34.1  | 30.9  | 30.9  | 30.9  |
| 87.5° | 14.1  | 16.1  | 15.4  | 15.4  | 16.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)