

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-WD-35-L950.ies

Issue Date: 2/27/2025

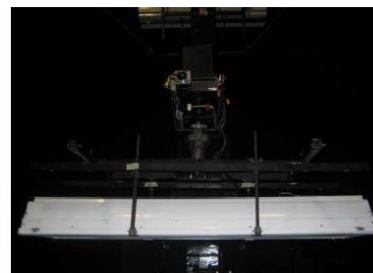
**Test Information**

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-WD-35-L950.ies  
Description: 1x4 D3X-LP ROUND PERF AT 3500lm 5000K 90CRI  
Light Source: -  
Ballast/Driver: -

**Summary**

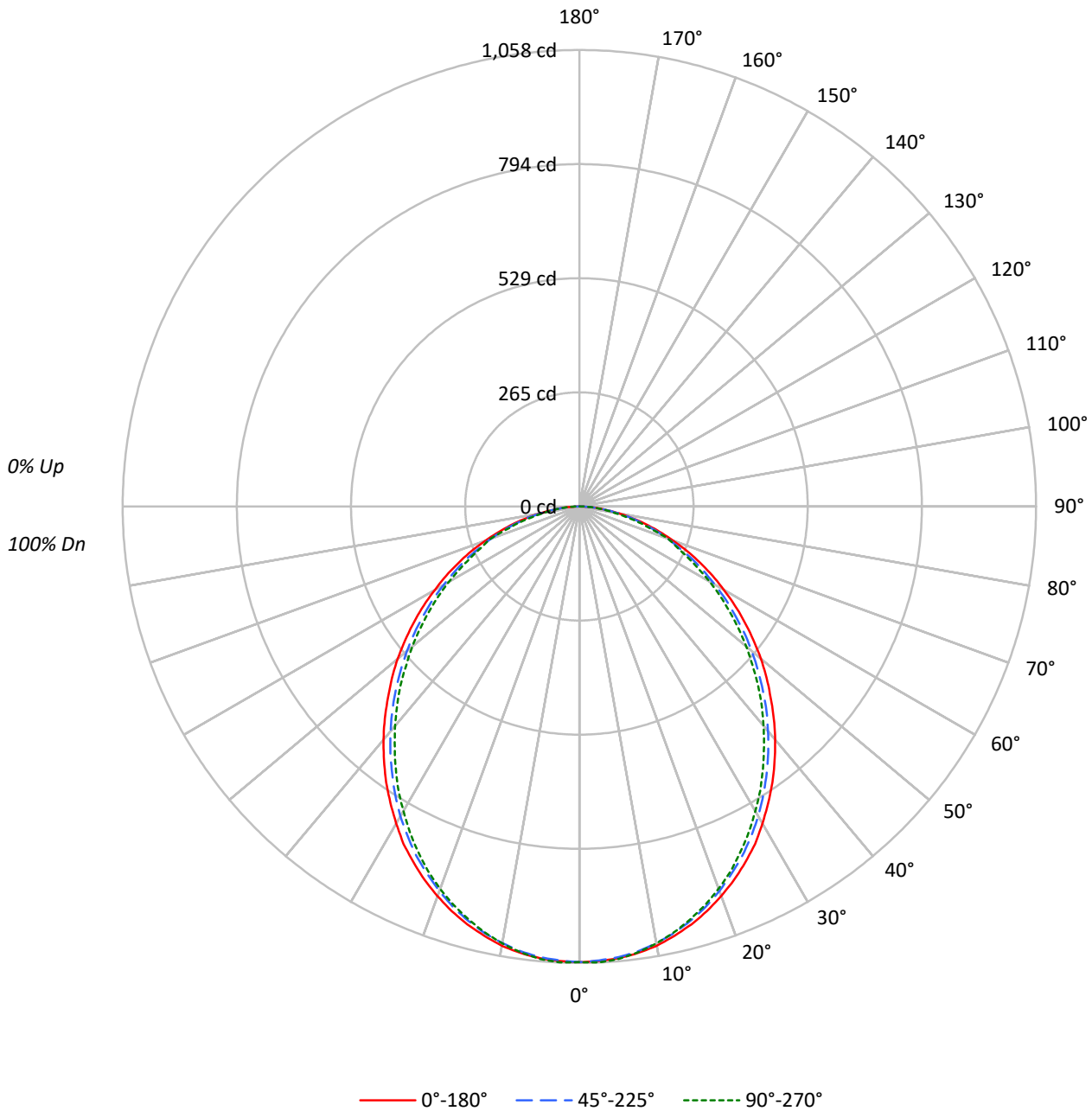
Lumens per Lamp: N/A  
Luminaire Lumens: 2623.1 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.8  
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  |     |     |     | 10  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 109 | 105 | 100 | 97  | 106 | 102 | 98  | 95  | 98  | 95  | 92  | 94  | 92  | 89  | 91  | 88  | 87  | 85  |
| 2   | 100 | 92  | 85  | 79  | 97  | 90  | 84  | 78  | 86  | 81  | 77  | 83  | 79  | 75  | 80  | 76  | 73  | 71  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 66  | 63  | 60  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 52  |
| 5   | 77  | 64  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 57  | 52  | 47  | 45  |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 46  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 35  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 32  |
| 9   | 58  | 45  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 30  | 29  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2842 | 2842 | 2842 |
| 5°  | 2839 | 2833 | 2843 |
| 10° | 2825 | 2808 | 2810 |
| 15° | 2794 | 2770 | 2761 |
| 20° | 2752 | 2716 | 2701 |
| 25° | 2701 | 2653 | 2623 |
| 30° | 2637 | 2576 | 2533 |
| 35° | 2563 | 2484 | 2436 |
| 40° | 2479 | 2389 | 2332 |
| 45° | 2385 | 2288 | 2229 |
| 50° | 2299 | 2182 | 2114 |
| 55° | 2194 | 2067 | 1994 |
| 60° | 2079 | 1949 | 1874 |
| 65° | 1961 | 1832 | 1748 |
| 70° | 1812 | 1709 | 1727 |
| 75° | 1669 | 1572 | 1492 |
| 80° | 1454 | 1395 | 1251 |
| 85° | 1223 | 1149 | 1149 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2385 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 99.6   | 3.8       |
| 10°-20°   | 280.7  | 10.7      |
| 20°-30°   | 411.9  | 15.7      |
| 30°-40°   | 474.4  | 18.1      |
| 40°-50°   | 465.7  | 17.8      |
| 50°-60°   | 397.0  | 15.1      |
| 60°-70°   | 287.2  | 10.9      |
| 70°-80°   | 161.5  | 6.2       |
| 80°-90°   | 45.1   | 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°    | 792.2  | 30.2      |
| 0°-40°    | 1266.6 | 48.3      |
| 0°-60°    | 2129.3 | 81.2      |
| 0°-90°    | 2623.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2623.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1056 | 1056  | 1056 | 1056  | 1056 |      |
| 5°  | 1051 | 1052  | 1049 | 1052  | 1052 | 100  |
| 15° | 1003 | 1001  | 994  | 993   | 991  | 283  |
| 25° | 910  | 903   | 894  | 886   | 883  | 419  |
| 35° | 780  | 771   | 756  | 746   | 742  | 487  |
| 45° | 627  | 619   | 601  | 589   | 586  | 484  |
| 55° | 468  | 458   | 440  | 430   | 425  | 418  |
| 65° | 308  | 299   | 288  | 277   | 275  | 306  |
| 75° | 160  | 157   | 151  | 145   | 144  | 170  |
| 85° | 40   | 41    | 37   | 37    | 37   | 46   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°            | 22.5°         | 45°           | 67.5°         | 90°           |
|-------|---------------|---------------|---------------|---------------|---------------|
| 0°    | 1056.3        | 1056.3        | 1056.3        | 1056.3        | <i>1056.3</i> |
| 2.5°  | <i>1054.8</i> | <i>1055.6</i> | <i>1053.2</i> | <i>1057.1</i> | <i>1057.9</i> |
| 5°    | 1050.9        | 1051.7        | 1048.6        | 1051.7        | <i>1052.5</i> |
| 7.5°  | 1043.9        | 1043.9        | 1040.1        | 1042.4        | <i>1042.4</i> |
| 10°   | 1033.9        | 1032.3        | 1027.7        | 1028.4        | <i>1028.4</i> |
| 12.5° | 1019.1        | 1019.1        | 1012.9        | 1012.9        | <i>1011.4</i> |
| 15°   | 1002.8        | 1001.3        | 994.3         | 992.8         | <i>991.2</i>  |
| 17.5° | 983.4         | 981.1         | 973.4         | 970.3         | <i>968.7</i>  |
| 20°   | 961.0         | 957.1         | 948.5         | 944.7         | <i>943.1</i>  |
| 22.5° | 936.9         | 931.5         | 921.4         | 916.7         | <i>915.2</i>  |
| 25°   | 909.8         | 902.8         | 893.5         | 886.5         | <i>883.4</i>  |
| 27.5° | 881.8         | 874.9         | 861.7         | 853.9         | <i>850.8</i>  |
| 30°   | 848.5         | 841.5         | 829.1         | 819.8         | <i>815.1</i>  |
| 32.5° | 814.4         | 808.2         | 793.4         | 783.3         | <i>780.2</i>  |
| 35°   | 780.2         | 770.9         | 756.2         | 746.1         | <i>741.5</i>  |
| 37.5° | 743.0         | 735.3         | 719.0         | 708.1         | <i>702.7</i>  |
| 40°   | 705.8         | 698.0         | 680.2         | 668.6         | <i>663.9</i>  |
| 42.5° | 667.0         | 656.9         | 641.4         | 629.0         | <i>625.1</i>  |
| 45°   | 626.7         | 618.9         | 601.1         | 589.4         | <i>585.6</i>  |
| 47.5° | 588.7         | 577.0         | 560.7         | 549.1         | <i>543.7</i>  |
| 50°   | 549.1         | 538.3         | 521.2         | 508.8         | <i>504.9</i>  |
| 52.5° | 508.0         | 498.7         | 481.6         | 469.2         | <i>464.6</i>  |
| 55°   | 467.7         | 457.6         | 440.5         | 429.7         | <i>425.0</i>  |
| 57.5° | 427.3         | 418.0         | 402.5         | 390.1         | <i>387.0</i>  |
| 60°   | 386.2         | 377.7         | 362.2         | 352.1         | <i>348.2</i>  |
| 62.5° | 348.2         | 338.2         | 324.2         | 314.1         | <i>310.2</i>  |
| 65°   | 307.9         | 299.4         | 287.7         | 276.9         | <i>274.6</i>  |
| 67.5° | 270.7         | 264.5         | 249.7         | 242.0         | <i>242.8</i>  |
| 70°   | 230.3         | 230.3         | 217.2         | 209.4         | <i>219.5</i>  |
| 72.5° | 194.7         | 195.4         | 183.8         | 179.2         | <i>175.3</i>  |
| 75°   | 160.5         | 157.4         | 151.2         | 145.0         | <i>143.5</i>  |
| 77.5° | 126.4         | 128.0         | 122.5         | 110.9         | <i>109.4</i>  |
| 80°   | 93.8          | 102.4         | 90.0          | 82.2          | <i>80.7</i>   |
| 82.5° | 64.4          | 72.9          | 62.0          | 58.2          | <i>57.4</i>   |
| 85°   | 39.6          | 41.1          | 37.2          | 37.2          | <i>37.2</i>   |
| 87.5° | 17.1          | 19.4          | 18.6          | 18.6          | <i>19.4</i>   |
| 90°   | 0.0           | 0.0           | 0.0           | 0.0           | <i>0.0</i>    |

(END OF REPORT)