

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-30-L835.ies

Issue Date: 2/27/2025

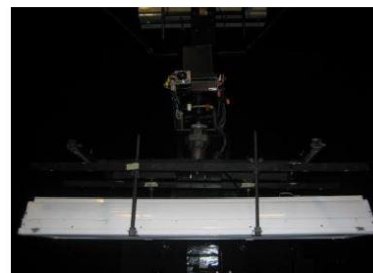
**Test Information**

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-30-L835.ies  
Description: 1x4 D3X-LP AT 3000lm 3500K 80CRI  
Light Source: -  
Ballast/Driver: -

**Summary**

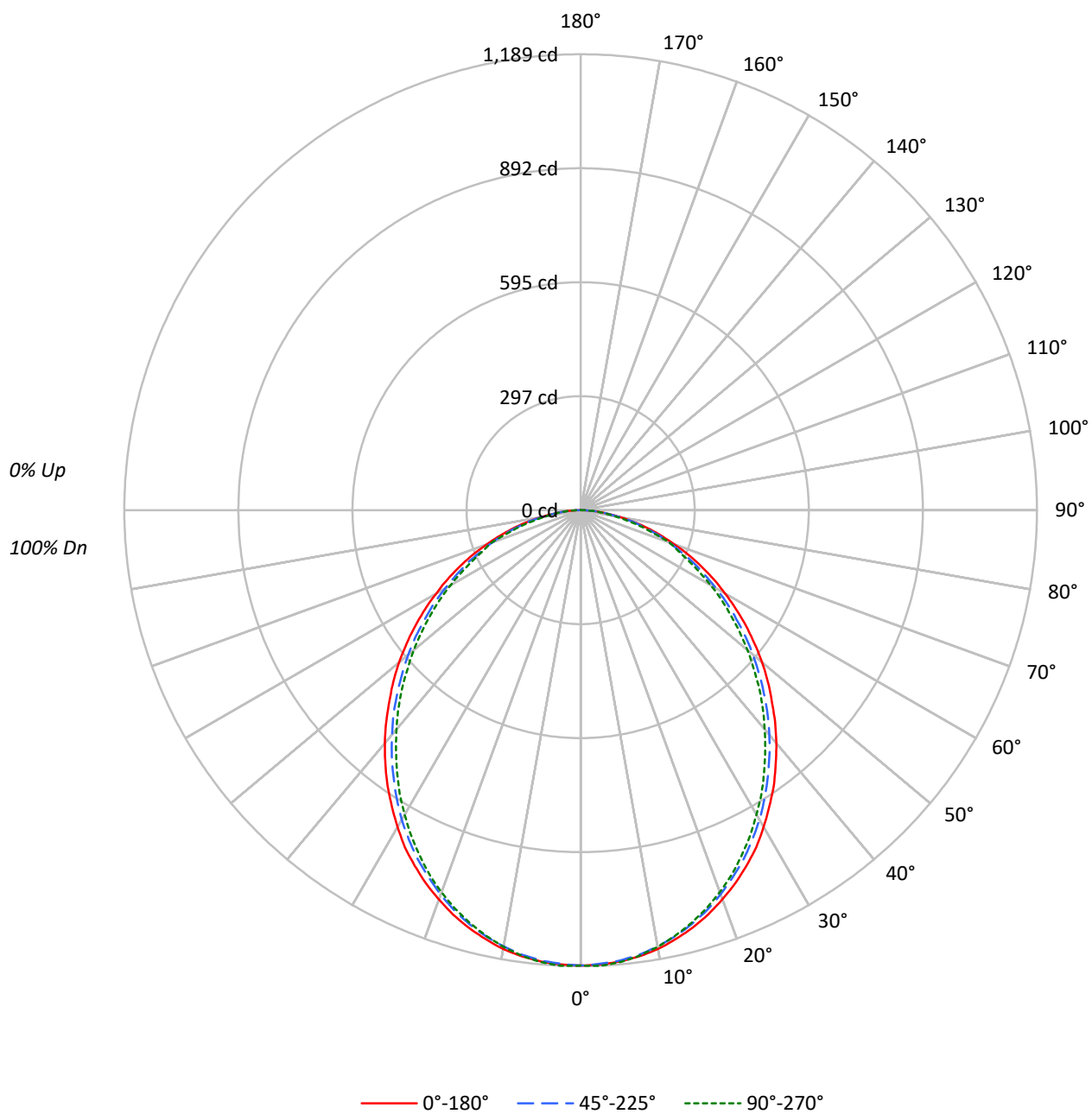
Lumens per Lamp: N/A  
Luminaire Lumens: 2949.0 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 31.8  
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  |     |     |     |     | 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 | 102 | 102 | 100 |
| 1   | 109 | 105 | 100 | 97  | 106 | 102 | 98  | 95  | 98  | 95  | 92  | 94  | 92  | 89  | 91  | 88  | 87  | 87  | 87  | 85  |
| 2   | 100 | 92  | 85  | 79  | 97  | 90  | 84  | 78  | 86  | 81  | 77  | 83  | 79  | 75  | 80  | 76  | 73  | 73  | 73  | 71  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 66  | 63  | 63  | 63  | 60  |
| 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  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 46  | 42  | 42  | 42  | 40  |
| 7   | 66  | 53  | 44  | 38  | 65  | 52  | 44  | 38  | 51  | 43  | 38  | 49  | 43  | 38  | 48  | 42  | 37  | 37  | 37  | 35  |
| 8   | 62  | 48  | 40  | 34  | 60  | 48  | 40  | 34  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  | 34  | 34  | 32  |
| 9   | 58  | 45  | 36  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 30  | 30  | 30  | 29  |
| 10  | 54  | 41  | 33  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 32  | 28  | 38  | 32  | 28  | 28  | 28  | 26  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3196 | 3196 | 3196 |
| 5°  | 3192 | 3184 | 3196 |
| 10° | 3176 | 3157 | 3159 |
| 15° | 3141 | 3114 | 3104 |
| 20° | 3094 | 3054 | 3036 |
| 25° | 3037 | 2983 | 2949 |
| 30° | 2964 | 2896 | 2848 |
| 35° | 2882 | 2793 | 2738 |
| 40° | 2787 | 2686 | 2622 |
| 45° | 2681 | 2571 | 2505 |
| 50° | 2584 | 2453 | 2376 |
| 55° | 2467 | 2324 | 2242 |
| 60° | 2337 | 2192 | 2107 |
| 65° | 2204 | 2060 | 1966 |
| 70° | 2038 | 1921 | 1942 |
| 75° | 1877 | 1768 | 1677 |
| 80° | 1635 | 1567 | 1406 |
| 85° | 1374 | 1294 | 1294 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2681 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 112.0  | 3.8       |
| 10°-20°   | 315.5  | 10.7      |
| 20°-30°   | 463.1  | 15.7      |
| 30°-40°   | 533.3  | 18.1      |
| 40°-50°   | 523.5  | 17.8      |
| 50°-60°   | 446.4  | 15.1      |
| 60°-70°   | 322.9  | 10.9      |
| 70°-80°   | 181.6  | 6.2       |
| 80°-90°   | 50.8   | 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°    | 890.6  | 30.2      |
| 0°-40°    | 1423.9 | 48.3      |
| 0°-60°    | 2393.8 | 81.2      |
| 0°-90°    | 2949.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2949.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1188 | 1188  | 1188 | 1188  | 1188 |      |
| 5°  | 1182 | 1182  | 1179 | 1182  | 1183 | 112  |
| 15° | 1127 | 1126  | 1118 | 1116  | 1114 | 318  |
| 25° | 1023 | 1015  | 1004 | 997   | 993  | 471  |
| 35° | 877  | 867   | 850  | 839   | 834  | 548  |
| 45° | 704  | 696   | 676  | 663   | 658  | 544  |
| 55° | 526  | 514   | 495  | 483   | 478  | 470  |
| 65° | 346  | 337   | 324  | 311   | 309  | 343  |
| 75° | 180  | 177   | 170  | 163   | 161  | 191  |
| 85° | 44   | 46    | 42   | 42    | 42   | 51   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1187.6 | 1187.6 | 1187.6 | 1187.6 | 1187.6 |
| 2.5°  | 1185.8 | 1186.7 | 1184.1 | 1188.4 | 1189.3 |
| 5°    | 1181.5 | 1182.3 | 1178.8 | 1182.3 | 1183.2 |
| 7.5°  | 1173.6 | 1173.6 | 1169.3 | 1171.9 | 1171.9 |
| 10°   | 1162.3 | 1160.5 | 1155.3 | 1156.2 | 1156.2 |
| 12.5° | 1145.7 | 1145.7 | 1138.7 | 1138.7 | 1137.0 |
| 15°   | 1127.4 | 1125.7 | 1117.8 | 1116.1 | 1114.3 |
| 17.5° | 1105.6 | 1103.0 | 1094.3 | 1090.8 | 1089.0 |
| 20°   | 1080.3 | 1076.0 | 1066.4 | 1062.0 | 1060.3 |
| 22.5° | 1053.3 | 1047.2 | 1035.8 | 1030.6 | 1028.9 |
| 25°   | 1022.8 | 1014.9 | 1004.5 | 996.6  | 993.1  |
| 27.5° | 991.4  | 983.5  | 968.7  | 960.0  | 956.5  |
| 30°   | 953.9  | 946.0  | 932.1  | 921.6  | 916.4  |
| 32.5° | 915.5  | 908.5  | 892.0  | 880.6  | 877.2  |
| 35°   | 877.2  | 866.7  | 850.1  | 838.8  | 833.6  |
| 37.5° | 835.3  | 826.6  | 808.3  | 796.1  | 790.0  |
| 40°   | 793.5  | 784.7  | 764.7  | 751.6  | 746.4  |
| 42.5° | 749.9  | 738.5  | 721.1  | 707.1  | 702.8  |
| 45°   | 704.5  | 695.8  | 675.7  | 662.7  | 658.3  |
| 47.5° | 661.8  | 648.7  | 630.4  | 617.3  | 611.2  |
| 50°   | 617.3  | 605.1  | 585.9  | 572.0  | 567.6  |
| 52.5° | 571.1  | 560.6  | 541.5  | 527.5  | 522.3  |
| 55°   | 525.8  | 514.4  | 495.3  | 483.0  | 477.8  |
| 57.5° | 480.4  | 470.0  | 452.5  | 438.6  | 435.1  |
| 60°   | 434.2  | 424.6  | 407.2  | 395.9  | 391.5  |
| 62.5° | 391.5  | 380.2  | 364.5  | 353.1  | 348.8  |
| 65°   | 346.2  | 336.6  | 323.5  | 311.3  | 308.7  |
| 67.5° | 304.3  | 297.3  | 280.8  | 272.0  | 272.9  |
| 70°   | 259.0  | 259.0  | 244.1  | 235.4  | 246.8  |
| 72.5° | 218.9  | 219.7  | 206.6  | 201.4  | 197.1  |
| 75°   | 180.5  | 177.0  | 170.0  | 163.1  | 161.3  |
| 77.5° | 142.1  | 143.9  | 137.8  | 124.7  | 122.9  |
| 80°   | 105.5  | 115.1  | 101.1  | 92.4   | 90.7   |
| 82.5° | 72.4   | 82.0   | 69.8   | 65.4   | 64.5   |
| 85°   | 44.5   | 46.2   | 41.9   | 41.9   | 41.9   |
| 87.5° | 19.2   | 21.8   | 20.9   | 20.9   | 21.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)