

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: P601261

Luminaire Tested: 14D3X-LP-60-L930

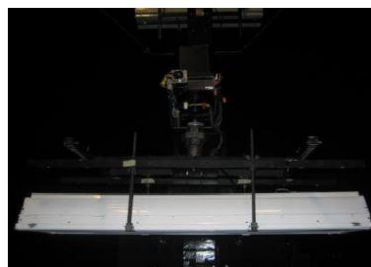
Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/6/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 14D3X-LP-60-L930  
Description: 1x4 D3X-LP AT 6000lm 3000K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

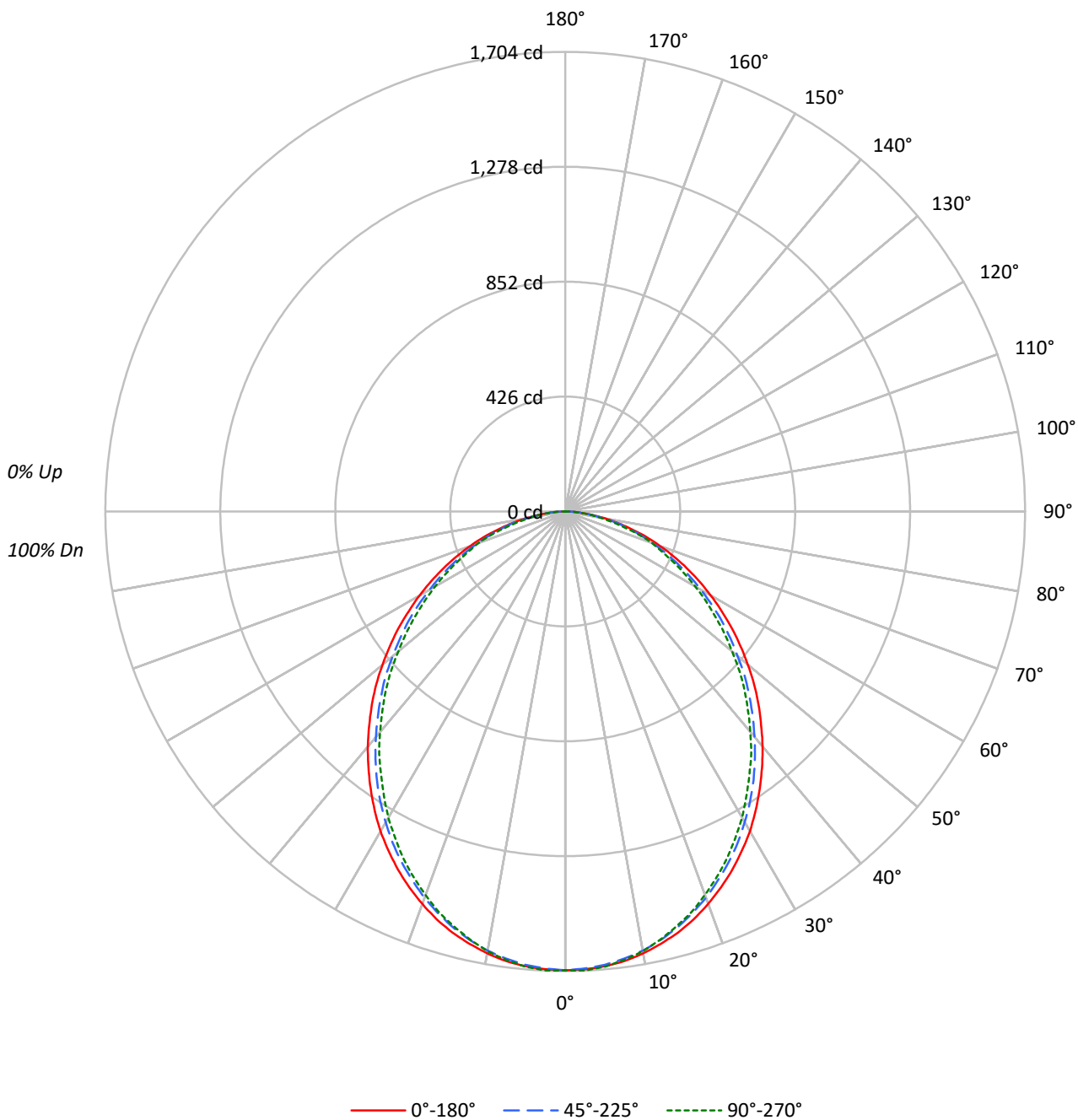
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4209.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 59.3  
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 | 99  | 95  | 98  | 95  | 92  | 94  | 92  | 89  | 91  | 89  | 87  | 85  |
| 2   | 100 | 92  | 85  | 79  | 97  | 90  | 84  | 79  | 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  | 67  | 63  | 60  |
| 4   | 84  | 72  | 63  | 57  | 81  | 71  | 63  | 56  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 58  | 54  | 52  |
| 5   | 77  | 65  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 48  | 59  | 53  | 48  | 58  | 52  | 47  | 45  |
| 6   | 71  | 58  | 50  | 43  | 69  | 57  | 49  | 43  | 56  | 48  | 43  | 54  | 47  | 42  | 52  | 47  | 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  | 37  | 31  | 56  | 44  | 36  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 31  | 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°  | 4578 | 4578 | 4578 |
| 5°  | 4572 | 4557 | 4575 |
| 10° | 4546 | 4519 | 4525 |
| 15° | 4502 | 4453 | 4437 |
| 20° | 4434 | 4365 | 4333 |
| 25° | 4351 | 4259 | 4213 |
| 30° | 4254 | 4134 | 4072 |
| 35° | 4127 | 3996 | 3909 |
| 40° | 3997 | 3834 | 3748 |
| 45° | 3854 | 3669 | 3581 |
| 50° | 3698 | 3489 | 3378 |
| 55° | 3537 | 3324 | 3183 |
| 60° | 3354 | 3122 | 2997 |
| 65° | 3165 | 2925 | 2798 |
| 70° | 2943 | 2726 | 2691 |
| 75° | 2647 | 2520 | 2336 |
| 80° | 2332 | 2179 | 2007 |
| 85° | 1880 | 1880 | 1846 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3854 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 160.4  | 3.8       |
| 10°-20°   | 451.3  | 10.7      |
| 20°-30°   | 661.8  | 15.7      |
| 30°-40°   | 762.3  | 18.1      |
| 40°-50°   | 748.0  | 17.8      |
| 50°-60°   | 636.4  | 15.1      |
| 60°-70°   | 460.1  | 10.9      |
| 70°-80°   | 257.1  | 6.1       |
| 80°-90°   | 71.6   | 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°    | 1273.4 | 30.3      |
| 0°-40°    | 2035.7 | 48.4      |
| 0°-60°    | 3420.2 | 81.3      |
| 0°-90°    | 4209.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4209.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1701 | 1701  | 1701 | 1701  | 1701 |      |
| 5°  | 1692 | 1692  | 1687 | 1692  | 1694 | 161  |
| 15° | 1616 | 1610  | 1598 | 1596  | 1593 | 455  |
| 25° | 1466 | 1453  | 1434 | 1424  | 1419 | 675  |
| 35° | 1256 | 1240  | 1216 | 1198  | 1190 | 786  |
| 45° | 1013 | 993   | 964  | 945   | 941  | 781  |
| 55° | 754  | 734   | 708  | 688   | 678  | 673  |
| 65° | 497  | 484   | 459  | 442   | 439  | 492  |
| 75° | 255  | 251   | 242  | 228   | 225  | 273  |
| 85° | 61   | 64    | 61   | 60    | 60   | 72   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1701.3 | 1701.3 | 1701.3 | 1701.3 | 1701.3 |
| 2.5°  | 1699.1 | 1699.1 | 1695.8 | 1702.4 | 1703.5 |
| 5°    | 1692.4 | 1692.4 | 1686.9 | 1692.4 | 1693.6 |
| 7.5°  | 1681.4 | 1679.2 | 1672.5 | 1676.9 | 1676.9 |
| 10°   | 1663.7 | 1661.5 | 1653.7 | 1654.8 | 1655.9 |
| 12.5° | 1641.5 | 1638.2 | 1628.2 | 1627.1 | 1626.0 |
| 15°   | 1616.1 | 1610.5 | 1598.4 | 1596.1 | 1592.8 |
| 17.5° | 1585.1 | 1577.3 | 1562.9 | 1559.6 | 1557.4 |
| 20°   | 1548.5 | 1538.6 | 1524.2 | 1516.4 | 1513.1 |
| 22.5° | 1508.7 | 1497.6 | 1479.9 | 1472.2 | 1467.7 |
| 25°   | 1465.5 | 1453.4 | 1434.5 | 1423.5 | 1419.0 |
| 27.5° | 1417.9 | 1404.7 | 1384.7 | 1370.3 | 1364.8 |
| 30°   | 1369.2 | 1352.6 | 1330.5 | 1316.1 | 1310.6 |
| 32.5° | 1313.9 | 1296.2 | 1275.1 | 1257.4 | 1249.7 |
| 35°   | 1256.3 | 1239.7 | 1216.5 | 1197.7 | 1189.9 |
| 37.5° | 1197.7 | 1182.2 | 1154.5 | 1137.9 | 1132.4 |
| 40°   | 1137.9 | 1120.2 | 1091.4 | 1071.5 | 1067.0 |
| 42.5° | 1074.8 | 1059.3 | 1027.2 | 1010.6 | 1002.8 |
| 45°   | 1012.8 | 992.9  | 964.1  | 945.3  | 940.9  |
| 47.5° | 949.7  | 927.6  | 902.1  | 881.1  | 875.6  |
| 50°   | 883.3  | 863.4  | 833.5  | 814.7  | 806.9  |
| 52.5° | 818.0  | 800.3  | 770.4  | 749.4  | 743.8  |
| 55°   | 753.8  | 733.9  | 708.4  | 688.5  | 678.5  |
| 57.5° | 686.3  | 670.8  | 644.2  | 625.4  | 617.6  |
| 60°   | 623.2  | 605.5  | 580.0  | 564.5  | 556.8  |
| 62.5° | 559.0  | 541.3  | 520.2  | 503.6  | 497.0  |
| 65°   | 497.0  | 483.7  | 459.4  | 441.7  | 439.4  |
| 67.5° | 435.0  | 423.9  | 402.9  | 385.2  | 386.3  |
| 70°   | 374.1  | 364.2  | 346.5  | 335.4  | 342.0  |
| 72.5° | 316.6  | 311.0  | 291.1  | 283.4  | 286.7  |
| 75°   | 254.6  | 251.3  | 242.4  | 228.0  | 224.7  |
| 77.5° | 202.6  | 204.8  | 194.8  | 177.1  | 172.7  |
| 80°   | 150.5  | 156.1  | 140.6  | 135.0  | 129.5  |
| 82.5° | 104.0  | 111.8  | 98.5   | 94.1   | 91.9   |
| 85°   | 60.9   | 64.2   | 60.9   | 59.8   | 59.8   |
| 87.5° | 25.5   | 29.9   | 29.9   | 31.0   | 32.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)