

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506030

Luminaire Tested: **14PD-60-PL1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-60-PL1-L930  
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

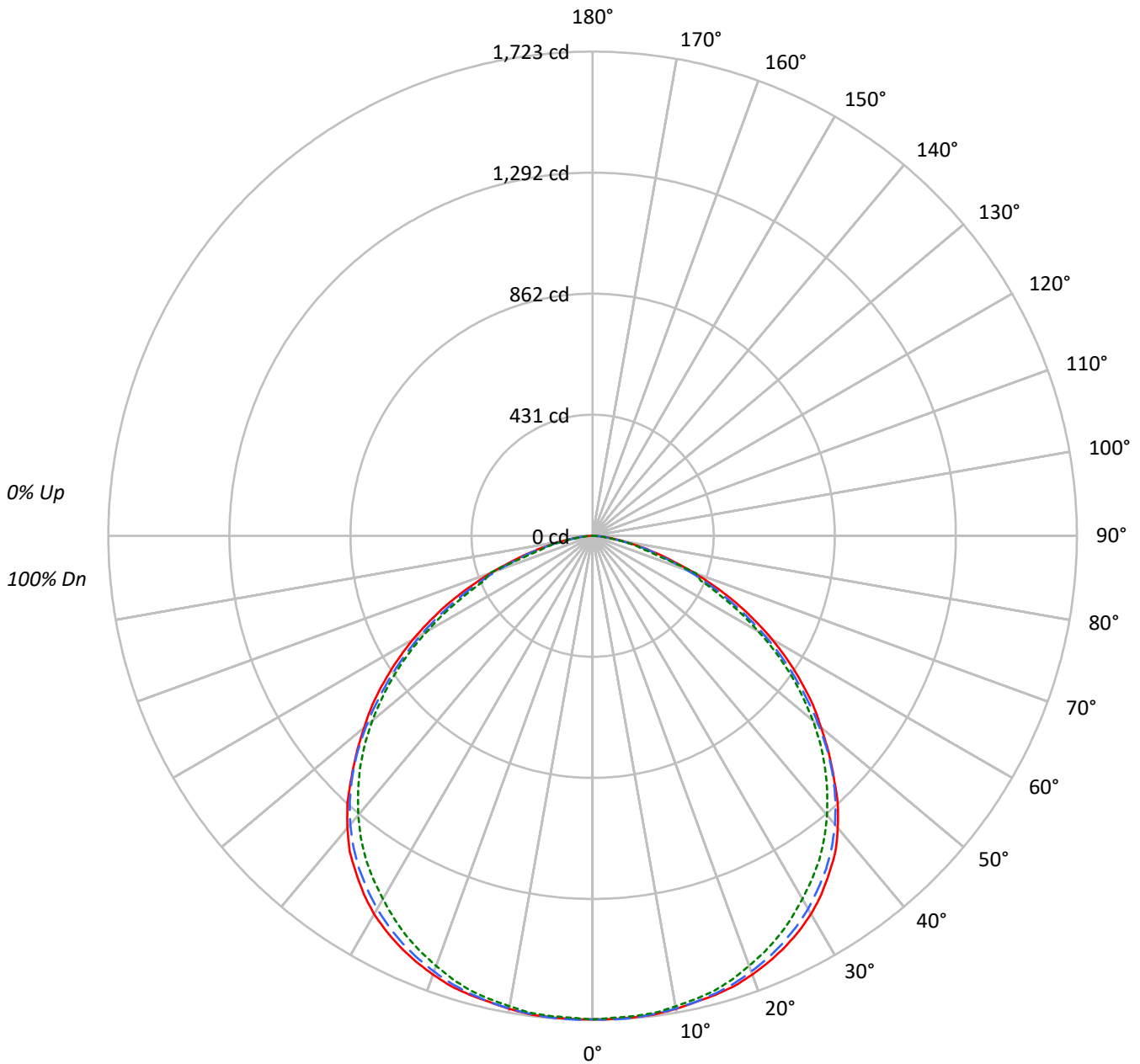
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4783.6 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 59.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 50  |     |     |     |     |     |     |     |     | 30 |    |   |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 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   | 110 | 105 | 101 | 98  | 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   | 91  | 81  | 73  | 67  | 89  | 80  | 72  | 67  | 77  | 71  | 65  | 74  | 69  | 64  | 72  | 67  | 63  | 61  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 84  | 72  | 64  | 57  | 82  | 71  | 63  | 57  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 52  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 77  | 65  | 56  | 49  | 75  | 63  | 55  | 49  | 61  | 54  | 49  | 59  | 53  | 48  | 58  | 52  | 47  | 45  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 71  | 58  | 49  | 43  | 69  | 57  | 49  | 43  | 55  | 48  | 43  | 54  | 47  | 42  | 52  | 46  | 42  | 40  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 66  | 53  | 44  | 38  | 64  | 52  | 44  | 38  | 50  | 43  | 38  | 49  | 42  | 37  | 48  | 42  | 37  | 35  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 61  | 48  | 40  | 34  | 60  | 47  | 39  | 34  | 46  | 39  | 34  | 45  | 38  | 33  | 44  | 38  | 33  | 31  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 57  | 44  | 36  | 31  | 56  | 44  | 36  | 30  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 28  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 54  | 41  | 33  | 28  | 53  | 40  | 33  | 28  | 39  | 32  | 27  | 38  | 32  | 27  | 37  | 31  | 27  | 25  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 4631 | 4631 | 4631 |
| 5°  | 4647 | 4649 | 4634 |
| 10° | 4672 | 4667 | 4646 |
| 15° | 4711 | 4698 | 4669 |
| 20° | 4758 | 4726 | 4664 |
| 25° | 4799 | 4751 | 4661 |
| 30° | 4831 | 4764 | 4637 |
| 35° | 4819 | 4757 | 4620 |
| 40° | 4768 | 4711 | 4555 |
| 45° | 4615 | 4601 | 4453 |
| 50° | 4440 | 4400 | 4281 |
| 55° | 4248 | 4124 | 4031 |
| 60° | 3968 | 3789 | 3662 |
| 65° | 3575 | 3352 | 3172 |
| 70° | 2990 | 2803 | 3079 |
| 75° | 2358 | 2270 | 1965 |
| 80° | 1698 | 1509 | 1537 |
| 85° | 1081 | 905  | 846  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 163.6  | 3.4       |
| 10°-20°   | 475.7  | 9.9       |
| 20°-30°   | 735.5  | 15.4      |
| 30°-40°   | 900.1  | 18.8      |
| 40°-50°   | 922.8  | 19.3      |
| 50°-60°   | 785.9  | 16.4      |
| 60°-70°   | 525.2  | 11.0      |
| 70°-80°   | 232.8  | 4.9       |
| 80°-90°   | 42.1   | 0.9       |
| 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°    | 1374.8 | 28.7      |
| 0°-40°    | 2274.9 | 47.6      |
| 0°-60°    | 3983.6 | 83.3      |
| 0°-90°    | 4783.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4783.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1721 | 1721  | 1721 | 1721  | 1721 |      |
| 5°  | 1720 | 1716  | 1721 | 1720  | 1716 | 164  |
| 15° | 1691 | 1685  | 1686 | 1681  | 1676 | 478  |
| 25° | 1616 | 1611  | 1600 | 1579  | 1570 | 745  |
| 35° | 1467 | 1463  | 1448 | 1416  | 1406 | 917  |
| 45° | 1213 | 1216  | 1209 | 1182  | 1170 | 936  |
| 55° | 906  | 901   | 879  | 861   | 859  | 808  |
| 65° | 561  | 557   | 526  | 503   | 498  | 553  |
| 75° | 227  | 230   | 218  | 219   | 189  | 246  |
| 85° | 35   | 34    | 29   | 28    | 27   | 47   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1721.1 | 1721.1 | 1721.1 | 1721.1 | 1721.1 |
| 2.5°  | 1721.1 | 1718.3 | 1723.0 | 1724.9 | 1716.4 |
| 5°    | 1720.2 | 1716.4 | 1721.1 | 1720.2 | 1715.5 |
| 7.5°  | 1717.4 | 1710.7 | 1715.5 | 1713.6 | 1711.7 |
| 10°   | 1709.8 | 1704.1 | 1707.9 | 1705.1 | 1700.3 |
| 12.5° | 1699.4 | 1695.6 | 1698.5 | 1695.6 | 1689.0 |
| 15°   | 1690.9 | 1685.2 | 1686.2 | 1681.4 | 1675.8 |
| 17.5° | 1679.6 | 1671.0 | 1671.0 | 1661.6 | 1655.0 |
| 20°   | 1661.6 | 1654.0 | 1650.3 | 1637.0 | 1628.5 |
| 22.5° | 1640.8 | 1635.1 | 1627.6 | 1610.6 | 1601.1 |
| 25°   | 1616.2 | 1610.6 | 1600.2 | 1579.4 | 1569.9 |
| 27.5° | 1587.9 | 1580.3 | 1569.0 | 1544.4 | 1533.1 |
| 30°   | 1554.8 | 1545.3 | 1533.1 | 1505.6 | 1492.4 |
| 32.5° | 1514.1 | 1507.5 | 1491.5 | 1463.1 | 1450.8 |
| 35°   | 1466.9 | 1463.1 | 1448.0 | 1415.9 | 1406.4 |
| 37.5° | 1418.7 | 1411.1 | 1397.9 | 1363.9 | 1354.4 |
| 40°   | 1357.3 | 1352.5 | 1341.2 | 1308.1 | 1296.8 |
| 42.5° | 1291.1 | 1288.3 | 1278.8 | 1247.6 | 1235.3 |
| 45°   | 1212.6 | 1216.4 | 1208.9 | 1181.5 | 1170.1 |
| 47.5° | 1138.0 | 1136.1 | 1133.2 | 1108.7 | 1099.2 |
| 50°   | 1060.5 | 1056.7 | 1051.0 | 1031.2 | 1022.7 |
| 52.5° | 987.7  | 980.1  | 965.0  | 948.0  | 942.3  |
| 55°   | 905.5  | 900.7  | 879.0  | 861.0  | 859.2  |
| 57.5° | 822.3  | 819.5  | 793.0  | 772.2  | 772.2  |
| 60°   | 737.2  | 733.4  | 704.1  | 682.4  | 680.5  |
| 62.5° | 648.4  | 645.5  | 615.3  | 590.7  | 591.7  |
| 65°   | 561.4  | 556.7  | 526.5  | 502.8  | 498.1  |
| 67.5° | 470.7  | 468.8  | 439.5  | 417.8  | 415.9  |
| 70°   | 380.0  | 380.0  | 356.3  | 337.4  | 391.3  |
| 72.5° | 299.6  | 296.8  | 277.9  | 269.4  | 257.1  |
| 75°   | 226.8  | 229.7  | 218.3  | 219.3  | 189.0  |
| 77.5° | 161.6  | 156.9  | 152.2  | 141.8  | 150.3  |
| 80°   | 109.6  | 106.8  | 97.4   | 94.5   | 99.2   |
| 82.5° | 68.1   | 69.0   | 60.5   | 54.8   | 53.9   |
| 85°   | 35.0   | 34.0   | 29.3   | 28.4   | 27.4   |
| 87.5° | 13.2   | 14.2   | 12.3   | 11.3   | 10.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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







(END OF REPORT)