

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: P505841

Luminaire Tested: **14PD-25-PL1-L930**

Issue Date: 3/26/2021



**Test Information**

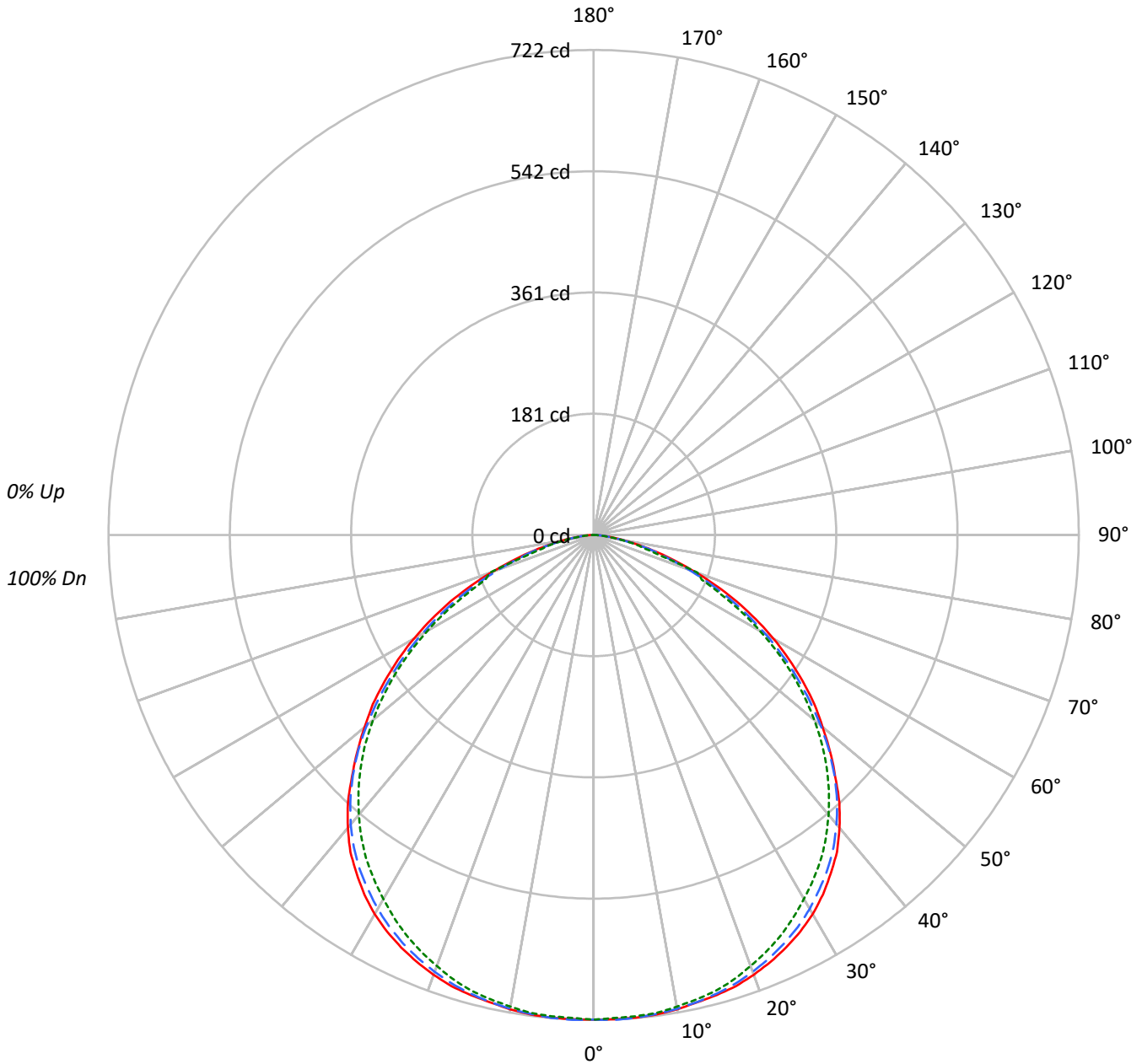
Test Method: LM-79-08  
Report Number: P505841  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PL1-L930  
Description: 2500 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: 2005.9 lumens  
Efficiency: N/A  
Efficacy: 88.4 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): 22.7  
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°  | 1942 | 1942 | 1942 |
| 5°  | 1948 | 1949 | 1943 |
| 10° | 1959 | 1957 | 1948 |
| 15° | 1975 | 1970 | 1958 |
| 20° | 1995 | 1982 | 1956 |
| 25° | 2012 | 1992 | 1955 |
| 30° | 2026 | 1998 | 1945 |
| 35° | 2021 | 1995 | 1937 |
| 40° | 1999 | 1976 | 1910 |
| 45° | 1935 | 1929 | 1867 |
| 50° | 1862 | 1845 | 1795 |
| 55° | 1781 | 1729 | 1690 |
| 60° | 1664 | 1589 | 1536 |
| 65° | 1499 | 1406 | 1330 |
| 70° | 1253 | 1175 | 1291 |
| 75° | 989  | 952  | 824  |
| 80° | 713  | 632  | 645  |
| 85° | 454  | 380  | 355  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.6   | 3.4       |
| 10°-20°   | 199.5  | 9.9       |
| 20°-30°   | 308.4  | 15.4      |
| 30°-40°   | 377.4  | 18.8      |
| 40°-50°   | 386.9  | 19.3      |
| 50°-60°   | 329.6  | 16.4      |
| 60°-70°   | 220.2  | 11.0      |
| 70°-80°   | 97.6   | 4.9       |
| 80°-90°   | 17.7   | 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°    | 576.5  | 28.7      |
| 0°-40°    | 953.9  | 47.6      |
| 0°-60°    | 1670.4 | 83.3      |
| 0°-90°    | 2005.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2005.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 722 | 722   | 722 | 722   | 722 |      |
| 5°  | 721 | 720   | 722 | 721   | 719 | 69   |
| 15° | 709 | 707   | 707 | 705   | 703 | 200  |
| 25° | 678 | 675   | 671 | 662   | 658 | 313  |
| 35° | 615 | 614   | 607 | 594   | 590 | 385  |
| 45° | 508 | 510   | 507 | 495   | 491 | 392  |
| 55° | 380 | 378   | 369 | 361   | 360 | 339  |
| 65° | 235 | 233   | 221 | 211   | 209 | 232  |
| 75° | 95  | 96    | 92  | 92    | 79  | 103  |
| 85° | 15  | 14    | 12  | 12    | 12  | 19   |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 721.7 | 721.7 | 721.7 | 721.7 | 721.7 |
| 2.5°  | 721.7 | 720.5 | 722.5 | 723.3 | 719.7 |
| 5°    | 721.3 | 719.7 | 721.7 | 721.3 | 719.3 |
| 7.5°  | 720.1 | 717.4 | 719.3 | 718.6 | 717.8 |
| 10°   | 717.0 | 714.6 | 716.2 | 715.0 | 713.0 |
| 12.5° | 712.6 | 711.0 | 712.2 | 711.0 | 708.2 |
| 15°   | 709.0 | 706.7 | 707.1 | 705.1 | 702.7 |
| 17.5° | 704.3 | 700.7 | 700.7 | 696.8 | 694.0 |
| 20°   | 696.8 | 693.6 | 692.0 | 686.4 | 682.9 |
| 22.5° | 688.0 | 685.7 | 682.5 | 675.4 | 671.4 |
| 25°   | 677.7 | 675.4 | 671.0 | 662.3 | 658.3 |
| 27.5° | 665.8 | 662.7 | 657.9 | 647.6 | 642.9 |
| 30°   | 652.0 | 648.0 | 642.9 | 631.4 | 625.8 |
| 32.5° | 634.9 | 632.2 | 625.4 | 613.5 | 608.4 |
| 35°   | 615.1 | 613.5 | 607.2 | 593.7 | 589.7 |
| 37.5° | 594.9 | 591.7 | 586.2 | 571.9 | 567.9 |
| 40°   | 569.1 | 567.2 | 562.4 | 548.5 | 543.8 |
| 42.5° | 541.4 | 540.2 | 536.2 | 523.2 | 518.0 |
| 45°   | 508.5 | 510.1 | 506.9 | 495.4 | 490.7 |
| 47.5° | 477.2 | 476.4 | 475.2 | 464.9 | 460.9 |
| 50°   | 444.7 | 443.1 | 440.7 | 432.4 | 428.8 |
| 52.5° | 414.2 | 411.0 | 404.7 | 397.5 | 395.1 |
| 55°   | 379.7 | 377.7 | 368.6 | 361.1 | 360.3 |
| 57.5° | 344.8 | 343.6 | 332.5 | 323.8 | 323.8 |
| 60°   | 309.1 | 307.6 | 295.3 | 286.2 | 285.4 |
| 62.5° | 271.9 | 270.7 | 258.0 | 247.7 | 248.1 |
| 65°   | 235.4 | 233.4 | 220.8 | 210.8 | 208.9 |
| 67.5° | 197.4 | 196.6 | 184.3 | 175.2 | 174.4 |
| 70°   | 159.3 | 159.3 | 149.4 | 141.5 | 164.1 |
| 72.5° | 125.6 | 124.4 | 116.5 | 113.0 | 107.8 |
| 75°   | 95.1  | 96.3  | 91.6  | 91.9  | 79.3  |
| 77.5° | 67.8  | 65.8  | 63.8  | 59.5  | 63.0  |
| 80°   | 46.0  | 44.8  | 40.8  | 39.6  | 41.6  |
| 82.5° | 28.5  | 28.9  | 25.4  | 23.0  | 22.6  |
| 85°   | 14.7  | 14.3  | 12.3  | 11.9  | 11.5  |
| 87.5° | 5.5   | 5.9   | 5.2   | 4.8   | 4.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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







(END OF REPORT)