

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: P506029

Luminaire Tested: **14PD-60-PL1-L927**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506029  
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-L927  
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

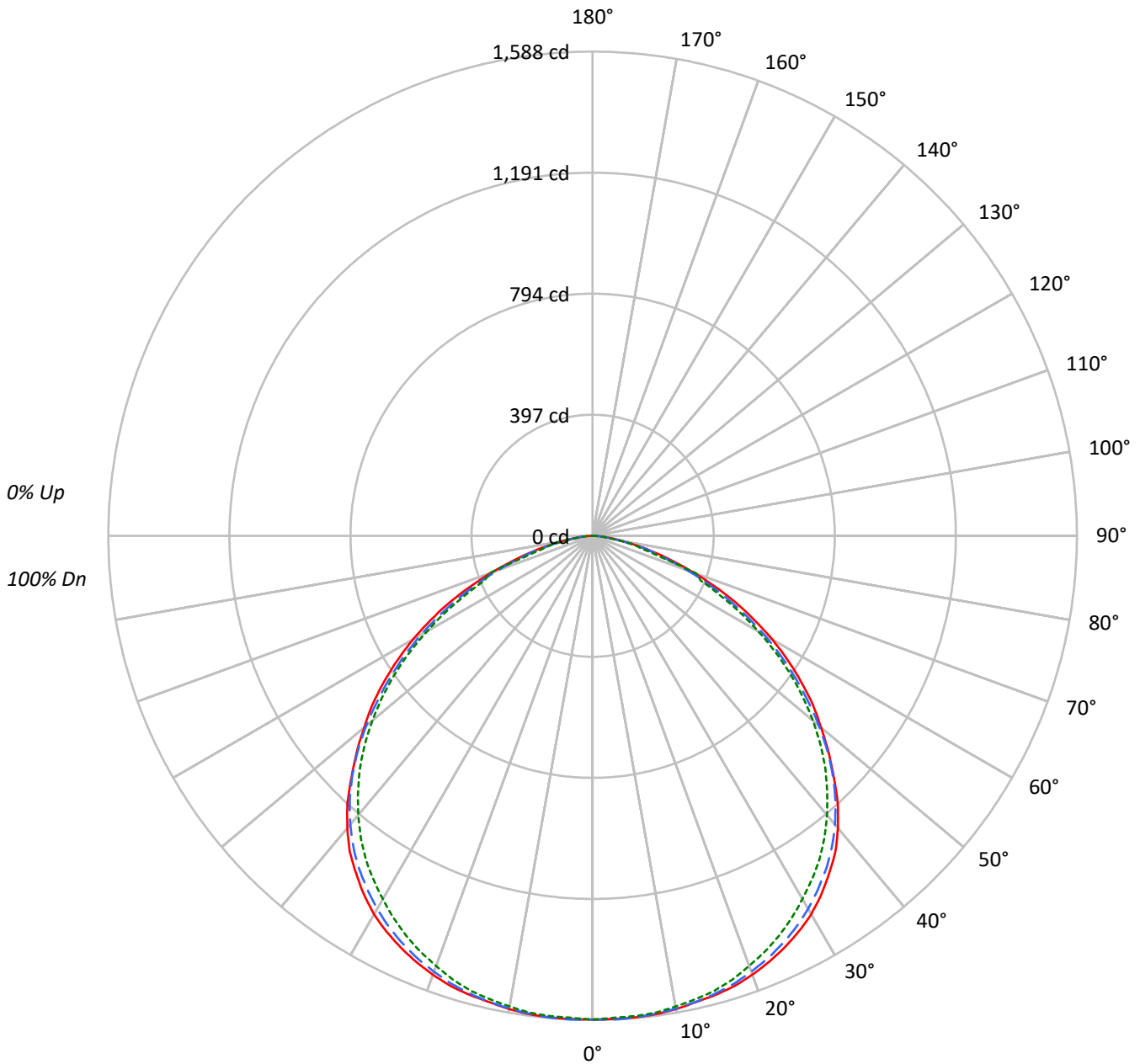
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4409.7 lumens  
Efficiency: N/A  
Efficacy: 74.4 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): 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

TEST NUMBER: P506029

CATALOG NUMBER: 14PD-60-PL1-L927

### Luminous Intensity Polar Plot





TEST NUMBER: P506029

CATALOG NUMBER: 14PD-60-PL1-L927

**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°  | 4270 | 4270 | 4270 |
| 5°  | 4283 | 4286 | 4272 |
| 10° | 4307 | 4302 | 4283 |
| 15° | 4342 | 4330 | 4304 |
| 20° | 4386 | 4357 | 4299 |
| 25° | 4424 | 4380 | 4297 |
| 30° | 4454 | 4391 | 4275 |
| 35° | 4442 | 4385 | 4259 |
| 40° | 4395 | 4343 | 4199 |
| 45° | 4254 | 4241 | 4105 |
| 50° | 4093 | 4056 | 3947 |
| 55° | 3916 | 3802 | 3716 |
| 60° | 3658 | 3493 | 3376 |
| 65° | 3295 | 3090 | 2924 |
| 70° | 2756 | 2585 | 2838 |
| 75° | 2174 | 2093 | 1812 |
| 80° | 1567 | 1390 | 1418 |
| 85° | 994  | 834  | 781  |



TEST NUMBER: P506029

CATALOG NUMBER: 14PD-60-PL1-L927

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 150.9  | 3.4       |
| 10°-20°   | 438.5  | 9.9       |
| 20°-30°   | 678.0  | 15.4      |
| 30°-40°   | 829.8  | 18.8      |
| 40°-50°   | 850.7  | 19.3      |
| 50°-60°   | 724.5  | 16.4      |
| 60°-70°   | 484.1  | 11.0      |
| 70°-80°   | 214.6  | 4.9       |
| 80°-90°   | 38.8   | 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°    | 1267.3 | 28.7      |
| 0°-40°    | 2097.1 | 47.6      |
| 0°-60°    | 3672.2 | 83.3      |
| 0°-90°    | 4409.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4409.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1587 | 1587  | 1587 | 1587  | 1587 |      |
| 5°  | 1586 | 1582  | 1587 | 1586  | 1581 | 151  |
| 15° | 1559 | 1554  | 1554 | 1550  | 1545 | 441  |
| 25° | 1490 | 1485  | 1475 | 1456  | 1447 | 687  |
| 35° | 1352 | 1349  | 1335 | 1305  | 1296 | 846  |
| 45° | 1118 | 1121  | 1114 | 1089  | 1079 | 863  |
| 55° | 835  | 830   | 810  | 794   | 792  | 745  |
| 65° | 518  | 513   | 485  | 464   | 459  | 510  |
| 75° | 209  | 212   | 201  | 202   | 174  | 226  |
| 85° | 32   | 31    | 27   | 26    | 25   | 43   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



TEST NUMBER: P506029

CATALOG NUMBER: 14PD-60-PL1-L927

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1586.6 | 1586.6 | 1586.6 | 1586.6 | 1586.6 |
| 2.5°  | 1586.6 | 1584.0 | 1588.4 | 1590.1 | 1582.3 |
| 5°    | 1585.7 | 1582.3 | 1586.6 | 1585.7 | 1581.4 |
| 7.5°  | 1583.1 | 1577.0 | 1581.4 | 1579.6 | 1577.9 |
| 10°   | 1576.2 | 1570.9 | 1574.4 | 1571.8 | 1567.4 |
| 12.5° | 1566.6 | 1563.1 | 1565.7 | 1563.1 | 1557.0 |
| 15°   | 1558.7 | 1553.5 | 1554.4 | 1550.0 | 1544.8 |
| 17.5° | 1548.3 | 1540.4 | 1540.4 | 1531.7 | 1525.6 |
| 20°   | 1531.7 | 1524.8 | 1521.3 | 1509.1 | 1501.2 |
| 22.5° | 1512.6 | 1507.3 | 1500.4 | 1484.7 | 1476.0 |
| 25°   | 1489.9 | 1484.7 | 1475.1 | 1455.9 | 1447.2 |
| 27.5° | 1463.8 | 1456.8 | 1446.3 | 1423.7 | 1413.2 |
| 30°   | 1433.3 | 1424.6 | 1413.2 | 1388.0 | 1375.8 |
| 32.5° | 1395.8 | 1389.7 | 1374.9 | 1348.8 | 1337.4 |
| 35°   | 1352.2 | 1348.8 | 1334.8 | 1305.2 | 1296.5 |
| 37.5° | 1307.8 | 1300.8 | 1288.6 | 1257.3 | 1248.6 |
| 40°   | 1251.2 | 1246.8 | 1236.4 | 1205.9 | 1195.4 |
| 42.5° | 1190.2 | 1187.6 | 1178.9 | 1150.1 | 1138.8 |
| 45°   | 1117.9 | 1121.3 | 1114.4 | 1089.1 | 1078.7 |
| 47.5° | 1049.0 | 1047.3 | 1044.7 | 1022.0 | 1013.3 |
| 50°   | 977.6  | 974.1  | 968.9  | 950.6  | 942.7  |
| 52.5° | 910.5  | 903.5  | 889.6  | 873.9  | 868.7  |
| 55°   | 834.7  | 830.3  | 810.3  | 793.7  | 792.0  |
| 57.5° | 758.0  | 755.4  | 731.0  | 711.8  | 711.8  |
| 60°   | 679.6  | 676.1  | 649.1  | 629.1  | 627.3  |
| 62.5° | 597.7  | 595.1  | 567.2  | 544.6  | 545.4  |
| 65°   | 517.5  | 513.2  | 485.3  | 463.5  | 459.2  |
| 67.5° | 433.9  | 432.2  | 405.1  | 385.1  | 383.4  |
| 70°   | 350.3  | 350.3  | 328.5  | 311.0  | 360.7  |
| 72.5° | 276.2  | 273.6  | 256.2  | 248.3  | 237.0  |
| 75°   | 209.1  | 211.7  | 201.3  | 202.1  | 174.3  |
| 77.5° | 149.0  | 144.6  | 140.3  | 130.7  | 138.5  |
| 80°   | 101.1  | 98.5   | 89.7   | 87.1   | 91.5   |
| 82.5° | 62.7   | 63.6   | 55.8   | 50.5   | 49.7   |
| 85°   | 32.2   | 31.4   | 27.0   | 26.1   | 25.3   |
| 87.5° | 12.2   | 13.1   | 11.3   | 10.5   | 9.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







(END OF REPORT)