

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: P506039

Luminaire Tested: **14PD-60-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-60-PR1-L930
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

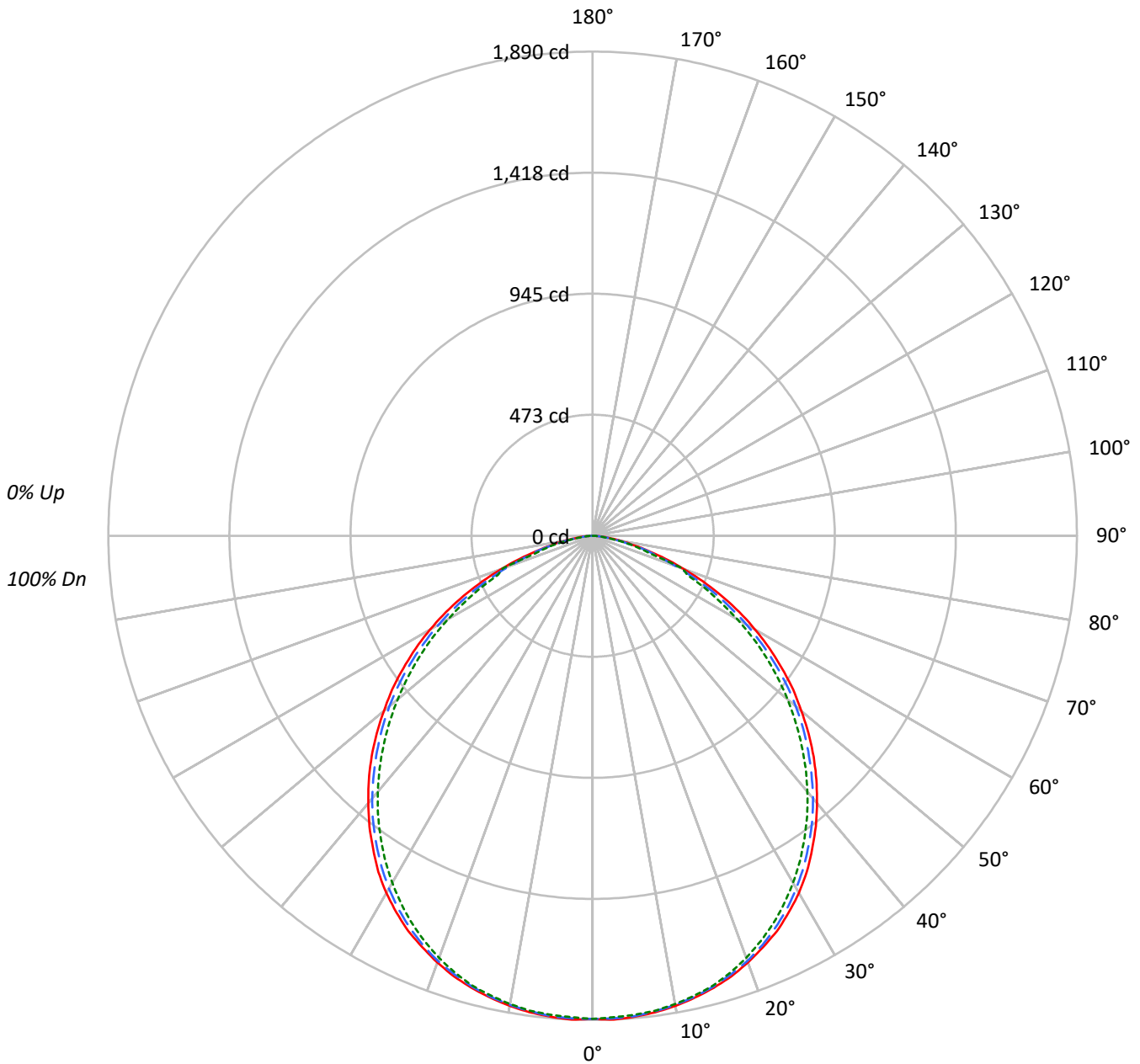
Lumens per Lamp: N/A
Luminaire Lumens: 4853.0 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
Input Voltage (V): NR
Input Current (A_{in}): 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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CATALOG NUMBER: 14PD-60-PR1-L930

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 | 100 | 96 | 99 | 96 | 93 | 95 | 93 | 90 | 91 | 90 | 88 | 86 | | | | | | | | | | | | | | | | | | | |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 73 | | | | | | | | | | | | | | | | | | | |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 75 | 69 | 65 | 72 | 68 | 64 | 62 | | | | | | | | | | | | | | | | | | | |
| 4 | 84 | 73 | 64 | 58 | 82 | 72 | 64 | 58 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 55 | 53 | | | | | | | | | | | | | | | | | | | |
| 5 | 78 | 65 | 57 | 50 | 76 | 64 | 56 | 50 | 62 | 55 | 49 | 60 | 54 | 49 | 58 | 53 | 48 | 46 | | | | | | | | | | | | | | | | | | | |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 43 | 41 | | | | | | | | | | | | | | | | | | | |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 38 | 48 | 43 | 38 | 36 | | | | | | | | | | | | | | | | | | | |
| 8 | 62 | 49 | 41 | 35 | 61 | 48 | 40 | 35 | 47 | 40 | 35 | 46 | 39 | 34 | 45 | 39 | 34 | 32 | | | | | | | | | | | | | | | | | | | |
| 9 | 58 | 45 | 37 | 31 | 57 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 29 | | | | | | | | | | | | | | | | | | | |
| 10 | 54 | 41 | 34 | 29 | 53 | 41 | 34 | 29 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5074 | 5074 | 5074 |
| 5° | 5091 | 5084 | 5071 |
| 10° | 5091 | 5081 | 5071 |
| 15° | 5090 | 5074 | 5064 |
| 20° | 5076 | 5058 | 5020 |
| 25° | 5056 | 5011 | 4956 |
| 30° | 5003 | 4940 | 4861 |
| 35° | 4906 | 4832 | 4734 |
| 40° | 4784 | 4702 | 4580 |
| 45° | 4642 | 4528 | 4386 |
| 50° | 4450 | 4333 | 4156 |
| 55° | 4233 | 4067 | 3874 |
| 60° | 3941 | 3735 | 3504 |
| 65° | 3538 | 3289 | 3075 |
| 70° | 2976 | 2711 | 2932 |
| 75° | 2292 | 2204 | 1981 |
| 80° | 1650 | 1477 | 1404 |
| 85° | 1010 | 865 | 778 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 178.8 | 3.7 |
| 10°-20° | 513.5 | 10.6 |
| 20°-30° | 775.7 | 16.0 |
| 30°-40° | 917.7 | 18.9 |
| 40°-50° | 915.0 | 18.9 |
| 50°-60° | 773.0 | 15.9 |
| 60°-70° | 515.0 | 10.6 |
| 70°-80° | 223.7 | 4.6 |
| 80°-90° | 40.6 | 0.8 |
| 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° | 1468.0 | 30.2 |
| 0°-40° | 2385.6 | 49.2 |
| 0°-60° | 4073.6 | 83.9 |
| 0°-90° | 4853.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4853.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1886 | 1886 | 1886 | 1886 | 1886 | |
| 5° | 1885 | 1877 | 1882 | 1880 | 1877 | 179 |
| 15° | 1827 | 1818 | 1821 | 1818 | 1818 | 516 |
| 25° | 1703 | 1692 | 1688 | 1673 | 1669 | 784 |
| 35° | 1494 | 1483 | 1471 | 1451 | 1441 | 934 |
| 45° | 1220 | 1209 | 1190 | 1165 | 1153 | 939 |
| 55° | 902 | 896 | 867 | 839 | 826 | 806 |
| 65° | 556 | 549 | 516 | 494 | 483 | 549 |
| 75° | 220 | 216 | 212 | 204 | 190 | 241 |
| 85° | 33 | 34 | 28 | 26 | 25 | 44 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P506039

CATALOG NUMBER: 14PD-60-PR1-L930

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1885.7 | 1885.7 | 1885.7 | 1885.7 | 1885.7 |
| 2.5° | 1890.4 | 1882.0 | 1885.7 | 1885.7 | 1881.1 |
| 5° | 1884.8 | 1877.3 | 1882.0 | 1880.1 | 1877.3 |
| 7.5° | 1876.4 | 1868.9 | 1871.7 | 1870.8 | 1869.9 |
| 10° | 1863.3 | 1855.9 | 1859.6 | 1857.7 | 1855.9 |
| 12.5° | 1846.5 | 1839.0 | 1842.8 | 1840.0 | 1838.1 |
| 15° | 1826.9 | 1818.5 | 1821.3 | 1818.5 | 1817.6 |
| 17.5° | 1802.6 | 1794.2 | 1795.1 | 1791.4 | 1787.7 |
| 20° | 1772.7 | 1765.3 | 1766.2 | 1756.9 | 1753.1 |
| 22.5° | 1738.2 | 1730.7 | 1729.8 | 1717.6 | 1713.0 |
| 25° | 1702.7 | 1691.5 | 1687.7 | 1672.8 | 1669.1 |
| 27.5° | 1657.8 | 1647.6 | 1642.0 | 1626.1 | 1618.6 |
| 30° | 1610.2 | 1599.0 | 1589.7 | 1571.9 | 1564.4 |
| 32.5° | 1556.0 | 1544.8 | 1532.7 | 1514.0 | 1505.6 |
| 35° | 1493.5 | 1483.2 | 1471.0 | 1451.4 | 1441.2 |
| 37.5° | 1430.9 | 1419.7 | 1407.5 | 1384.2 | 1375.8 |
| 40° | 1361.8 | 1351.5 | 1338.4 | 1313.2 | 1303.9 |
| 42.5° | 1292.7 | 1280.5 | 1264.6 | 1240.4 | 1230.1 |
| 45° | 1219.8 | 1208.6 | 1189.9 | 1164.7 | 1152.6 |
| 47.5° | 1143.2 | 1133.9 | 1114.3 | 1087.2 | 1074.1 |
| 50° | 1062.9 | 1055.4 | 1034.9 | 1005.0 | 992.8 |
| 52.5° | 986.3 | 976.0 | 952.7 | 922.8 | 909.7 |
| 55° | 902.2 | 895.7 | 866.8 | 838.7 | 825.7 |
| 57.5° | 818.2 | 809.8 | 780.8 | 752.8 | 740.7 |
| 60° | 732.3 | 724.8 | 694.0 | 665.9 | 651.0 |
| 62.5° | 645.4 | 637.0 | 604.3 | 579.1 | 565.1 |
| 65° | 555.7 | 549.2 | 516.5 | 494.1 | 482.9 |
| 67.5° | 466.1 | 461.4 | 426.8 | 408.2 | 399.8 |
| 70° | 378.3 | 371.7 | 344.6 | 337.2 | 372.7 |
| 72.5° | 297.0 | 288.6 | 265.3 | 253.1 | 243.8 |
| 75° | 220.4 | 215.8 | 212.0 | 204.5 | 190.5 |
| 77.5° | 155.0 | 154.1 | 141.0 | 130.8 | 141.0 |
| 80° | 106.5 | 110.2 | 95.3 | 86.9 | 90.6 |
| 82.5° | 65.4 | 72.9 | 57.0 | 50.4 | 48.6 |
| 85° | 32.7 | 33.6 | 28.0 | 26.2 | 25.2 |
| 87.5° | 12.1 | 14.0 | 12.1 | 10.3 | 10.3 |
| 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)