

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: P506103

Luminaire Tested: **14PD-70-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PW1-L935
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

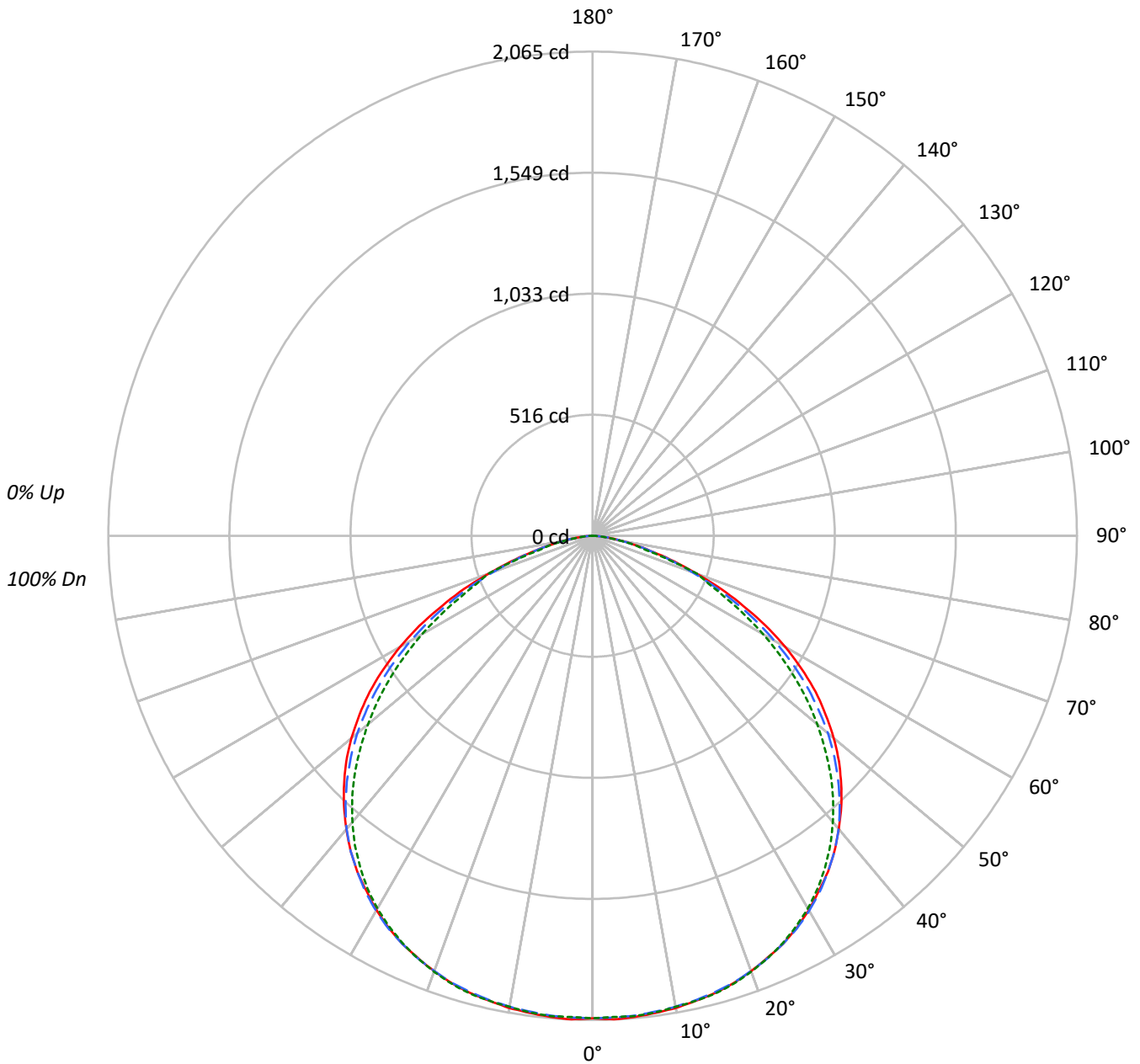
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5860.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71.2
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

TEST NUMBER: P506103
CATALOG NUMBER: 14PD-70-PW1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P506103

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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 | 97 | 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 | 77 | 83 | 79 | 76 | 80 | 77 | 74 | 72 | | | | | | | | | | | | | | | | | | | |
| 3 | 91 | 81 | 73 | 67 | 89 | 79 | 72 | 66 | 77 | 70 | 65 | 74 | 68 | 64 | 71 | 67 | 63 | 61 | | | | | | | | | | | | | | | | | | | |
| 4 | 84 | 72 | 63 | 57 | 81 | 71 | 63 | 56 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 58 | 54 | 52 | | | | | | | | | | | | | | | | | | | |
| 5 | 77 | 64 | 55 | 49 | 75 | 63 | 55 | 49 | 61 | 54 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 45 | | | | | | | | | | | | | | | | | | | |
| 6 | 71 | 58 | 49 | 43 | 69 | 57 | 49 | 42 | 55 | 48 | 42 | 53 | 47 | 42 | 52 | 46 | 41 | 39 | | | | | | | | | | | | | | | | | | | |
| 7 | 66 | 52 | 44 | 38 | 64 | 52 | 43 | 37 | 50 | 43 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 35 | | | | | | | | | | | | | | | | | | | |
| 8 | 61 | 48 | 39 | 34 | 60 | 47 | 39 | 33 | 46 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 31 | | | | | | | | | | | | | | | | | | | |
| 9 | 57 | 44 | 36 | 30 | 56 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | 28 | | | | | | | | | | | | | | | | | | | |
| 10 | 54 | 40 | 32 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 37 | 31 | 27 | 25 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5537 | 5537 | 5537 |
| 5° | 5564 | 5549 | 5555 |
| 10° | 5587 | 5572 | 5575 |
| 15° | 5625 | 5612 | 5632 |
| 20° | 5659 | 5656 | 5666 |
| 25° | 5702 | 5702 | 5692 |
| 30° | 5729 | 5739 | 5703 |
| 35° | 5747 | 5747 | 5674 |
| 40° | 5737 | 5733 | 5598 |
| 45° | 5706 | 5639 | 5458 |
| 50° | 5619 | 5483 | 5235 |
| 55° | 5446 | 5217 | 4933 |
| 60° | 5102 | 4820 | 4520 |
| 65° | 4518 | 4259 | 3977 |
| 70° | 3688 | 3523 | 3715 |
| 75° | 2781 | 2733 | 2455 |
| 80° | 2001 | 1875 | 1875 |
| 85° | 1257 | 1186 | 1041 |



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CATALOG NUMBER: 14PD-70-PW1-L935

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 195.7 | 3.3 |
| 10°-20° | 569.6 | 9.7 |
| 20°-30° | 884.2 | 15.1 |
| 30°-40° | 1089.0 | 18.6 |
| 40°-50° | 1133.8 | 19.3 |
| 50°-60° | 986.0 | 16.8 |
| 60°-70° | 662.4 | 11.3 |
| 70°-80° | 286.7 | 4.9 |
| 80°-90° | 52.6 | 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° | 1649.4 | 28.1 |
| 0°-40° | 2738.4 | 46.7 |
| 0°-60° | 4858.2 | 82.9 |
| 0°-90° | 5860.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5860.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2058 | 2058 | 2058 | 2058 | 2058 | |
| 5° | 2060 | 2047 | 2054 | 2059 | 2056 | 196 |
| 15° | 2019 | 2005 | 2015 | 2022 | 2022 | 570 |
| 25° | 1920 | 1911 | 1920 | 1920 | 1917 | 885 |
| 35° | 1749 | 1745 | 1749 | 1734 | 1727 | 1093 |
| 45° | 1499 | 1495 | 1482 | 1448 | 1434 | 1155 |
| 55° | 1161 | 1140 | 1112 | 1068 | 1052 | 1032 |
| 65° | 710 | 697 | 669 | 637 | 625 | 703 |
| 75° | 268 | 270 | 263 | 269 | 236 | 295 |
| 85° | 41 | 42 | 38 | 34 | 34 | 54 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P506103

CATALOG NUMBER: 14PD-70-PW1-L935

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2057.6 | 2057.6 | 2057.6 | 2057.6 | 2057.6 |
| 2.5° | 2064.6 | 2051.8 | 2056.4 | 2063.4 | 2054.1 |
| 5° | 2059.9 | 2047.1 | 2054.1 | 2058.8 | 2056.4 |
| 7.5° | 2052.9 | 2043.6 | 2047.1 | 2051.8 | 2050.6 |
| 10° | 2044.8 | 2035.5 | 2039.0 | 2043.6 | 2040.1 |
| 12.5° | 2032.0 | 2021.5 | 2028.5 | 2033.2 | 2032.0 |
| 15° | 2019.2 | 2005.3 | 2014.6 | 2021.5 | 2021.5 |
| 17.5° | 2000.6 | 1989.0 | 1998.3 | 2004.1 | 2002.9 |
| 20° | 1976.2 | 1968.0 | 1975.0 | 1979.7 | 1978.5 |
| 22.5° | 1948.3 | 1942.4 | 1950.6 | 1950.6 | 1950.6 |
| 25° | 1920.3 | 1911.0 | 1920.3 | 1920.3 | 1916.9 |
| 27.5° | 1884.3 | 1876.1 | 1887.8 | 1884.3 | 1878.5 |
| 30° | 1843.6 | 1838.9 | 1847.1 | 1841.3 | 1835.4 |
| 32.5° | 1795.9 | 1793.6 | 1801.7 | 1790.1 | 1785.4 |
| 35° | 1749.4 | 1744.7 | 1749.4 | 1734.2 | 1727.3 |
| 37.5° | 1694.7 | 1690.0 | 1694.7 | 1674.9 | 1664.5 |
| 40° | 1633.1 | 1629.6 | 1631.9 | 1606.3 | 1593.5 |
| 42.5° | 1569.1 | 1565.6 | 1559.8 | 1528.4 | 1517.9 |
| 45° | 1499.3 | 1494.6 | 1481.8 | 1448.1 | 1434.2 |
| 47.5° | 1424.8 | 1416.7 | 1398.1 | 1362.0 | 1343.4 |
| 50° | 1342.3 | 1330.6 | 1309.7 | 1270.2 | 1250.4 |
| 52.5° | 1252.7 | 1238.7 | 1212.0 | 1172.4 | 1153.8 |
| 55° | 1160.8 | 1139.9 | 1112.0 | 1067.8 | 1051.5 |
| 57.5° | 1056.1 | 1034.0 | 1005.0 | 964.2 | 945.6 |
| 60° | 948.0 | 925.9 | 895.6 | 858.4 | 839.8 |
| 62.5° | 832.8 | 813.0 | 782.8 | 747.9 | 731.6 |
| 65° | 709.5 | 696.7 | 668.8 | 637.4 | 624.6 |
| 67.5° | 593.2 | 580.4 | 557.1 | 530.4 | 535.0 |
| 70° | 468.7 | 467.6 | 447.8 | 429.2 | 472.2 |
| 72.5° | 365.2 | 362.9 | 352.4 | 343.1 | 340.8 |
| 75° | 267.5 | 269.8 | 262.9 | 268.7 | 236.1 |
| 77.5° | 188.4 | 190.8 | 189.6 | 173.3 | 181.5 |
| 80° | 129.1 | 129.1 | 121.0 | 115.2 | 121.0 |
| 82.5° | 77.9 | 93.1 | 83.7 | 68.6 | 66.3 |
| 85° | 40.7 | 41.9 | 38.4 | 33.7 | 33.7 |
| 87.5° | 15.1 | 17.4 | 15.1 | 14.0 | 12.8 |
| 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)