

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: P506034

Luminaire Tested: **14PD-60-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506034
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-L830
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

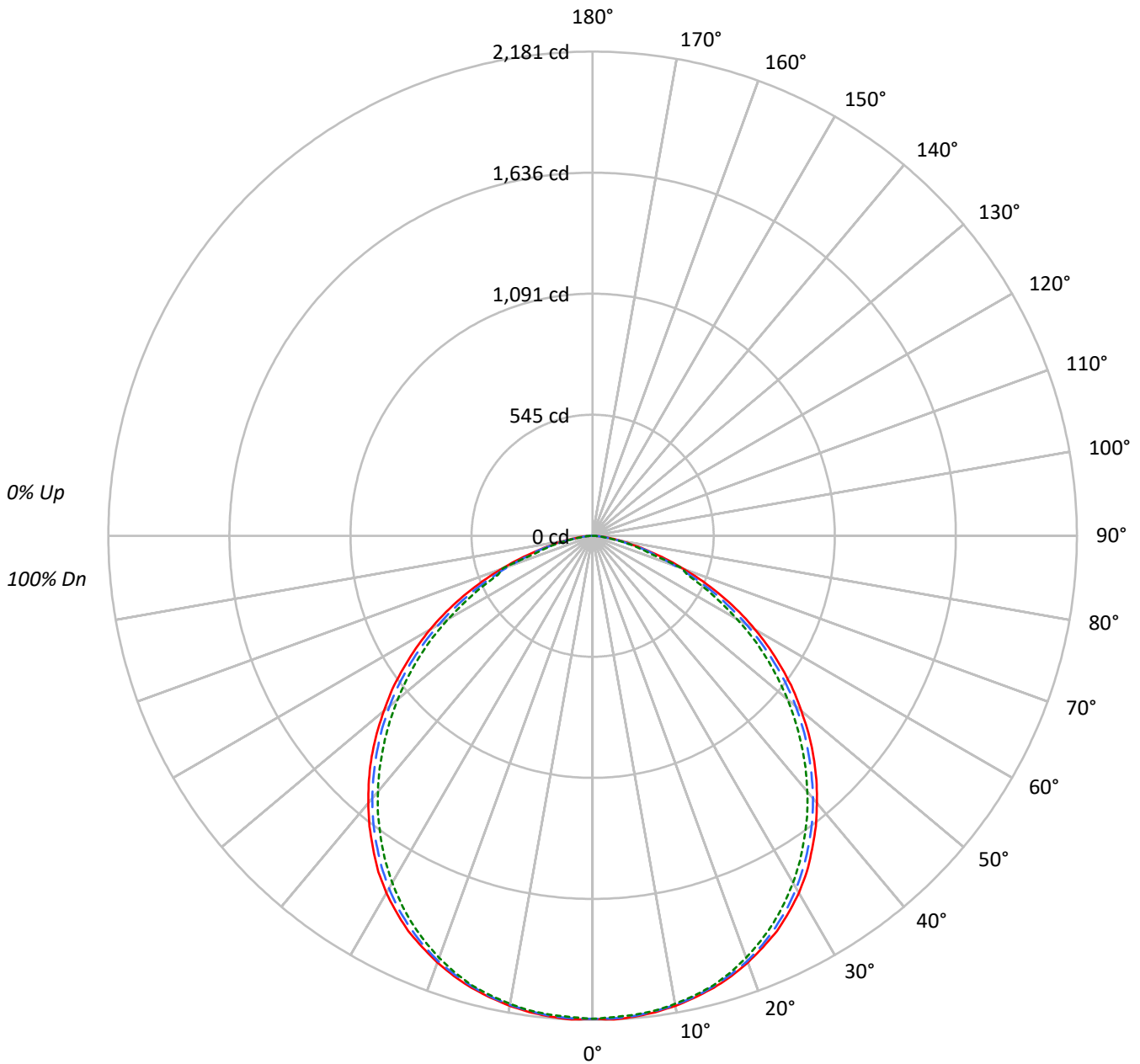
Lumens per Lamp: N/A
Luminaire Lumens: 5599.0 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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-L830

Luminous Intensity Polar Plot





TEST NUMBER: P506034

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|--|--|--|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | |
| RC | 80 | | | | | 70 | | | | | 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° | 5854 | 5854 | 5854 |
| 5° | 5874 | 5865 | 5851 |
| 10° | 5874 | 5862 | 5851 |
| 15° | 5872 | 5854 | 5842 |
| 20° | 5857 | 5835 | 5792 |
| 25° | 5833 | 5782 | 5717 |
| 30° | 5772 | 5699 | 5608 |
| 35° | 5660 | 5575 | 5462 |
| 40° | 5519 | 5425 | 5284 |
| 45° | 5356 | 5224 | 5060 |
| 50° | 5134 | 4999 | 4796 |
| 55° | 4883 | 4692 | 4469 |
| 60° | 4547 | 4309 | 4042 |
| 65° | 4083 | 3794 | 3547 |
| 70° | 3434 | 3128 | 3383 |
| 75° | 2644 | 2543 | 2285 |
| 80° | 1903 | 1703 | 1619 |
| 85° | 1164 | 997 | 898 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 206.2 | 3.7 |
| 10°-20° | 592.5 | 10.6 |
| 20°-30° | 894.9 | 16.0 |
| 30°-40° | 1058.7 | 18.9 |
| 40°-50° | 1055.6 | 18.9 |
| 50°-60° | 891.8 | 15.9 |
| 60°-70° | 594.2 | 10.6 |
| 70°-80° | 258.1 | 4.6 |
| 80°-90° | 46.8 | 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° | 1693.6 | 30.2 |
| 0°-40° | 2752.4 | 49.2 |
| 0°-60° | 4699.8 | 83.9 |
| 0°-90° | 5599.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5599.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 2176 | 2176 | 2176 | 2176 | 2176 | |
| 5° | 2174 | 2166 | 2171 | 2169 | 2166 | 207 |
| 15° | 2108 | 2098 | 2101 | 2098 | 2097 | 595 |
| 25° | 1964 | 1952 | 1947 | 1930 | 1926 | 904 |
| 35° | 1723 | 1711 | 1697 | 1674 | 1663 | 1078 |
| 45° | 1407 | 1394 | 1373 | 1344 | 1330 | 1084 |
| 55° | 1041 | 1033 | 1000 | 968 | 953 | 929 |
| 65° | 641 | 634 | 596 | 570 | 557 | 634 |
| 75° | 254 | 249 | 245 | 236 | 220 | 278 |
| 85° | 38 | 39 | 32 | 30 | 29 | 51 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CATALOG NUMBER: 14PD-60-PR1-L830

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2175.6 | 2175.6 | 2175.6 | 2175.6 | 2175.6 |
| 2.5° | 2181.0 | 2171.3 | 2175.6 | 2175.6 | 2170.2 |
| 5° | 2174.5 | 2165.9 | 2171.3 | 2169.2 | 2165.9 |
| 7.5° | 2164.8 | 2156.2 | 2159.5 | 2158.4 | 2157.3 |
| 10° | 2149.8 | 2141.1 | 2145.4 | 2143.3 | 2141.1 |
| 12.5° | 2130.4 | 2121.7 | 2126.1 | 2122.8 | 2120.7 |
| 15° | 2107.7 | 2098.0 | 2101.3 | 2098.0 | 2097.0 |
| 17.5° | 2079.7 | 2070.0 | 2071.1 | 2066.8 | 2062.5 |
| 20° | 2045.2 | 2036.6 | 2037.7 | 2026.9 | 2022.6 |
| 22.5° | 2005.4 | 1996.7 | 1995.7 | 1981.7 | 1976.3 |
| 25° | 1964.4 | 1951.5 | 1947.2 | 1929.9 | 1925.6 |
| 27.5° | 1912.7 | 1900.8 | 1894.4 | 1876.1 | 1867.4 |
| 30° | 1857.7 | 1844.8 | 1834.0 | 1813.6 | 1804.9 |
| 32.5° | 1795.2 | 1782.3 | 1768.3 | 1746.7 | 1737.0 |
| 35° | 1723.0 | 1711.2 | 1697.2 | 1674.5 | 1662.7 |
| 37.5° | 1650.8 | 1637.9 | 1623.9 | 1597.0 | 1587.3 |
| 40° | 1571.1 | 1559.2 | 1544.2 | 1515.1 | 1504.3 |
| 42.5° | 1491.4 | 1477.4 | 1459.0 | 1431.0 | 1419.2 |
| 45° | 1407.3 | 1394.4 | 1372.8 | 1343.7 | 1329.7 |
| 47.5° | 1318.9 | 1308.2 | 1285.5 | 1254.3 | 1239.2 |
| 50° | 1226.3 | 1217.7 | 1194.0 | 1159.5 | 1145.5 |
| 52.5° | 1137.9 | 1126.1 | 1099.1 | 1064.6 | 1049.6 |
| 55° | 1040.9 | 1033.4 | 1000.0 | 967.7 | 952.6 |
| 57.5° | 944.0 | 934.3 | 900.9 | 868.5 | 854.5 |
| 60° | 844.8 | 836.2 | 800.6 | 768.3 | 751.1 |
| 62.5° | 744.6 | 734.9 | 697.2 | 668.1 | 651.9 |
| 65° | 641.2 | 633.6 | 595.9 | 570.0 | 557.1 |
| 67.5° | 537.7 | 532.3 | 492.5 | 470.9 | 461.2 |
| 70° | 436.4 | 428.9 | 397.6 | 389.0 | 430.0 |
| 72.5° | 342.7 | 333.0 | 306.0 | 292.0 | 281.2 |
| 75° | 254.3 | 248.9 | 244.6 | 236.0 | 219.8 |
| 77.5° | 178.9 | 177.8 | 162.7 | 150.9 | 162.7 |
| 80° | 122.8 | 127.2 | 109.9 | 100.2 | 104.5 |
| 82.5° | 75.4 | 84.1 | 65.7 | 58.2 | 56.0 |
| 85° | 37.7 | 38.8 | 32.3 | 30.2 | 29.1 |
| 87.5° | 14.0 | 16.2 | 14.0 | 11.9 | 11.9 |
| 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)