

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: P242651

Luminaire Tested: **CL4DR-A-100D930-UNV-STD-W-4**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P242651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CL4DR-A-100D930-UNV-STD-W-4
Description: CL 4" DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

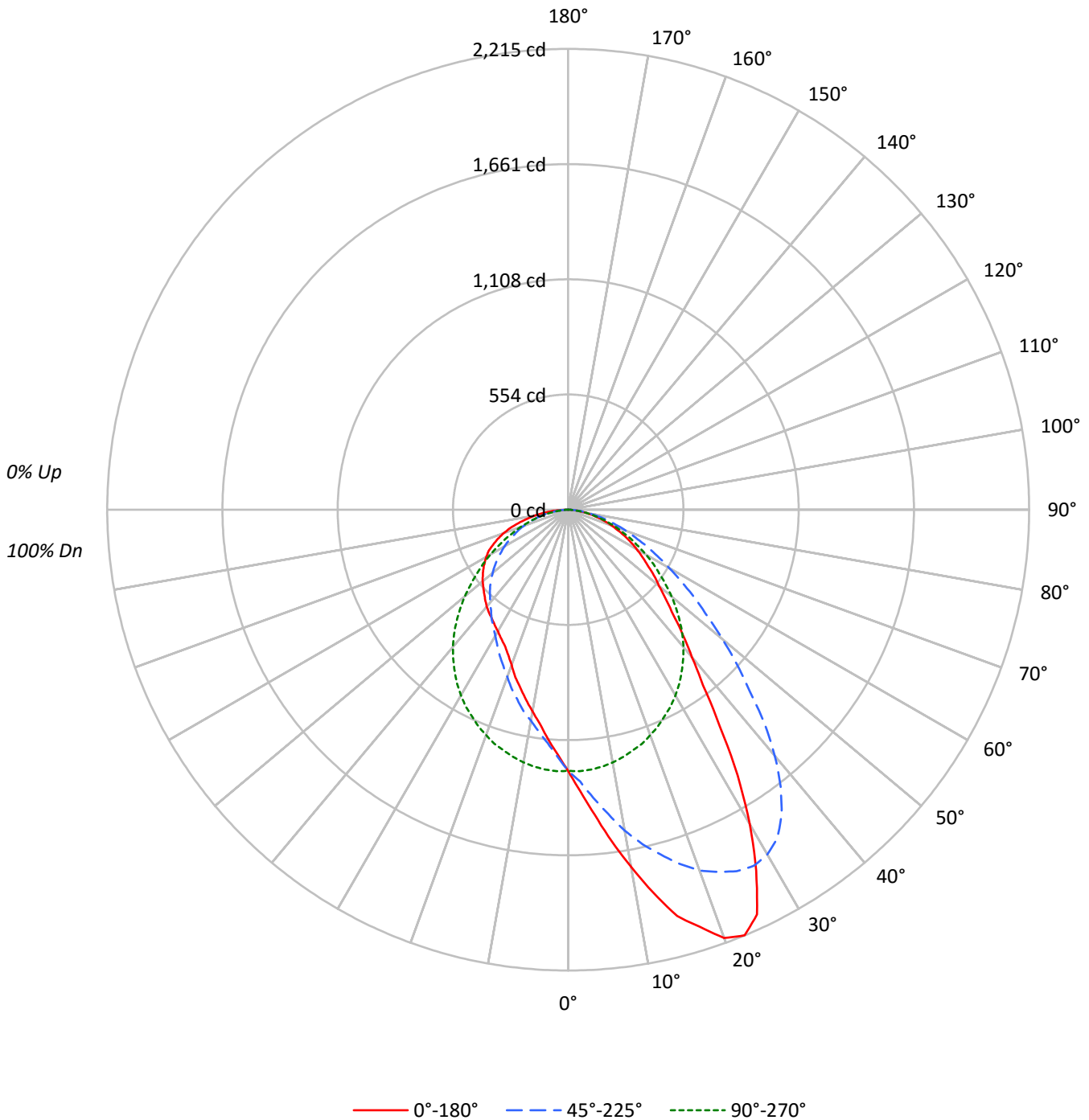
Lumens per Lamp: N/A
Luminaire Lumens: 3462.9 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.22 / 1.41
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 34.8
Input Voltage (V): 120
Input Current (Ain): 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: P242651

CATALOG NUMBER: CL4DR-A-100D930-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P242651

CATALOG NUMBER: CL4DR-A-100D930-UNV-STD-W-4

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 98 | 95 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 98 | 90 | 84 | 79 | 87 | 82 | 78 | 84 | 79 | 76 | 81 | 77 | 74 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 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 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 46 |
| 6 | 72 | 59 | 51 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 44 | 55 | 48 | 43 | 53 | 47 | 43 | 41 |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 39 | 52 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 38 | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 49 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 31 | 30 |
| 10 | 55 | 42 | 34 | 29 | 54 | 41 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 39 | 33 | 29 | 27 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 11155 | 11155 | 11155 |
| 5° | 13136 | 11184 | 9871 |
| 10° | 15729 | 11135 | 8887 |
| 15° | 18609 | 11023 | 8162 |
| 20° | 20723 | 10907 | 7514 |
| 25° | 21057 | 10738 | 7067 |
| 30° | 17918 | 10576 | 6926 |
| 35° | 13776 | 10312 | 6928 |
| 40° | 10737 | 10001 | 7057 |
| 45° | 8953 | 9535 | 7175 |
| 50° | 7880 | 8965 | 7419 |
| 55° | 7219 | 8282 | 7718 |
| 60° | 6764 | 7671 | 8078 |
| 65° | 6297 | 6987 | 8375 |
| 70° | 5757 | 6310 | 8566 |
| 75° | 5141 | 5553 | 8462 |
| 80° | 4310 | 4551 | 8195 |
| 85° | 3182 | 3284 | 7843 |



TEST NUMBER: P242651

CATALOG NUMBER: CL4DR-A-100D930-UNV-STD-W-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 122.1 | 3.5 |
| 10°-20° | 377.0 | 10.9 |
| 20°-30° | 598.9 | 17.3 |
| 30°-40° | 665.4 | 19.2 |
| 40°-50° | 605.2 | 17.5 |
| 50°-60° | 494.5 | 14.3 |
| 60°-70° | 353.0 | 10.2 |
| 70°-80° | 194.2 | 5.6 |
| 80°-90° | 52.5 | 1.5 |
| 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° | 1098.0 | 31.7 |
| 0°-40° | 1763.4 | 50.9 |
| 0°-60° | 2863.1 | 82.7 |
| 0°-90° | 3462.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3462.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1255 | 1255 | 1255 | 1255 | 1255 | |
| 5° | 1472 | 1391 | 1253 | 1126 | 1106 | 149 |
| 15° | 2022 | 1716 | 1198 | 944 | 887 | 572 |
| 25° | 2147 | 1917 | 1095 | 776 | 720 | 952 |
| 35° | 1270 | 1788 | 950 | 641 | 638 | 804 |
| 45° | 712 | 1234 | 758 | 531 | 571 | 560 |
| 55° | 466 | 743 | 534 | 415 | 498 | 420 |
| 65° | 299 | 414 | 332 | 288 | 398 | 296 |
| 75° | 150 | 193 | 162 | 161 | 246 | 159 |
| 85° | 31 | 40 | 32 | 46 | 77 | 38 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P242651

CATALOG NUMBER: CL4DR-A-100D930-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |
| 2.5° | 1355.8 | 1355.3 | 1350.1 | 1349.0 | 1345.4 | 1340.7 | 1339.7 | 1331.4 | 1314.7 | 1306.9 | 1304.8 |
| 5° | 1472.2 | 1482.6 | 1469.1 | 1466.5 | 1465.0 | 1447.8 | 1439.0 | 1428.6 | 1404.7 | 1390.6 | 1379.7 |
| 7.5° | 1608.4 | 1609.0 | 1603.2 | 1597.5 | 1587.6 | 1573.1 | 1553.3 | 1530.5 | 1502.9 | 1474.8 | 1455.1 |
| 10° | 1742.6 | 1746.7 | 1740.0 | 1738.9 | 1712.4 | 1695.8 | 1662.5 | 1634.4 | 1602.2 | 1566.3 | 1533.6 |
| 12.5° | 1884.0 | 1875.6 | 1873.0 | 1845.5 | 1846.0 | 1812.2 | 1772.2 | 1743.1 | 1689.0 | 1646.4 | 1600.1 |
| 15° | 2022.2 | 2010.8 | 2003.5 | 1972.9 | 1957.8 | 1915.7 | 1874.6 | 1842.9 | 1777.9 | 1716.0 | 1669.3 |
| 17.5° | 2102.3 | 2116.3 | 2097.6 | 2085.1 | 2044.1 | 2016.5 | 1975.5 | 1910.5 | 1862.1 | 1785.2 | 1731.6 |
| 20° | 2190.7 | 2191.7 | 2182.4 | 2169.4 | 2138.7 | 2101.3 | 2055.5 | 1982.7 | 1921.9 | 1845.5 | 1764.4 |
| 22.5° | 2214.6 | 2214.6 | 2212.0 | 2200.0 | 2178.7 | 2150.1 | 2103.9 | 2046.2 | 1969.2 | 1884.5 | 1803.4 |
| 25° | 2147.0 | 2144.9 | 2149.6 | 2163.1 | 2154.3 | 2144.9 | 2118.4 | 2073.2 | 2004.6 | 1916.7 | 1829.4 |
| 27.5° | 1955.7 | 1969.2 | 1997.3 | 2030.6 | 2054.5 | 2075.8 | 2074.2 | 2055.0 | 2006.1 | 1930.2 | 1837.2 |
| 30° | 1745.7 | 1763.4 | 1783.1 | 1816.4 | 1880.8 | 1917.8 | 1958.3 | 1989.0 | 1971.8 | 1914.1 | 1828.9 |
| 32.5° | 1514.9 | 1515.9 | 1547.6 | 1586.6 | 1644.3 | 1723.8 | 1794.0 | 1864.2 | 1894.4 | 1871.0 | 1803.4 |
| 35° | 1269.5 | 1276.8 | 1308.5 | 1345.9 | 1418.2 | 1505.0 | 1601.7 | 1688.0 | 1759.2 | 1787.8 | 1751.4 |
| 37.5° | 1063.6 | 1086.5 | 1110.4 | 1153.0 | 1219.1 | 1297.6 | 1401.5 | 1509.1 | 1613.6 | 1677.1 | 1683.8 |
| 40° | 925.3 | 938.3 | 954.5 | 985.1 | 1039.2 | 1116.1 | 1202.4 | 1330.3 | 1443.1 | 1545.0 | 1578.3 |
| 42.5° | 816.2 | 822.4 | 830.7 | 857.8 | 895.7 | 972.1 | 1049.1 | 1157.7 | 1271.1 | 1397.9 | 1459.2 |
| 45° | 712.2 | 720.0 | 736.6 | 752.8 | 783.9 | 837.0 | 910.3 | 1002.8 | 1116.7 | 1234.1 | 1337.1 |
| 47.5° | 634.2 | 639.4 | 649.8 | 667.5 | 695.6 | 731.4 | 793.8 | 872.3 | 983.6 | 1097.4 | 1207.6 |
| 50° | 569.8 | 573.9 | 581.7 | 597.3 | 617.6 | 648.8 | 697.6 | 769.9 | 852.6 | 967.5 | 1075.1 |
| 52.5° | 518.8 | 519.9 | 525.1 | 534.4 | 549.5 | 574.4 | 612.4 | 669.1 | 744.4 | 843.7 | 950.8 |
| 55° | 465.8 | 467.9 | 473.1 | 480.9 | 494.9 | 511.5 | 542.2 | 586.9 | 654.0 | 742.9 | 835.9 |
| 57.5° | 422.1 | 424.2 | 428.4 | 431.5 | 444.0 | 458.0 | 482.9 | 515.2 | 567.7 | 646.7 | 731.4 |
| 60° | 380.5 | 379.5 | 384.7 | 387.3 | 395.1 | 406.5 | 424.7 | 455.4 | 499.6 | 560.4 | 636.8 |
| 62.5° | 340.0 | 338.4 | 342.6 | 346.2 | 349.9 | 359.2 | 373.3 | 395.6 | 429.4 | 482.9 | 546.4 |
| 65° | 299.4 | 297.4 | 300.0 | 304.1 | 308.3 | 313.5 | 324.4 | 345.7 | 374.3 | 413.8 | 464.2 |
| 67.5° | 257.8 | 260.4 | 260.4 | 263.0 | 265.6 | 272.9 | 280.7 | 297.4 | 317.6 | 349.9 | 394.6 |
| 70° | 221.5 | 222.0 | 224.1 | 224.1 | 225.6 | 231.9 | 238.1 | 246.9 | 266.7 | 295.8 | 330.6 |
| 72.5° | 185.1 | 187.7 | 186.1 | 188.2 | 189.2 | 192.9 | 197.0 | 205.3 | 221.5 | 241.2 | 269.3 |
| 75° | 149.7 | 151.3 | 151.3 | 151.8 | 153.4 | 154.9 | 158.6 | 164.8 | 176.8 | 192.9 | 213.1 |
| 77.5° | 115.4 | 115.4 | 116.4 | 118.5 | 118.5 | 121.1 | 124.2 | 128.9 | 135.7 | 147.6 | 160.6 |
| 80° | 84.2 | 85.3 | 84.7 | 85.8 | 85.8 | 87.9 | 88.9 | 95.1 | 97.7 | 105.0 | 114.9 |
| 82.5° | 56.1 | 57.2 | 57.2 | 58.7 | 59.8 | 59.8 | 61.3 | 62.9 | 65.5 | 71.7 | 74.3 |
| 85° | 31.2 | 32.2 | 31.2 | 32.2 | 33.8 | 34.3 | 35.9 | 36.4 | 38.5 | 40.0 | 43.7 |
| 87.5° | 11.4 | 13.0 | 13.0 | 13.5 | 14.6 | 15.1 | 15.6 | 15.1 | 17.2 | 17.7 | 19.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P242651

CATALOG NUMBER: CL4DR-A-100D930-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |
| 2.5° | 1305.4 | 1298.1 | 1292.9 | 1288.7 | 1277.3 | 1270.5 | 1265.3 | 1258.1 | 1249.7 | 1240.9 | 1230.0 |
| 5° | 1368.8 | 1351.1 | 1338.1 | 1318.4 | 1299.6 | 1284.0 | 1267.9 | 1253.4 | 1235.7 | 1216.5 | 1202.4 |
| 7.5° | 1433.8 | 1409.3 | 1376.6 | 1351.1 | 1320.4 | 1293.9 | 1270.5 | 1246.1 | 1220.1 | 1195.2 | 1171.8 |
| 10° | 1495.1 | 1461.3 | 1423.9 | 1379.7 | 1338.1 | 1301.2 | 1266.9 | 1233.6 | 1201.4 | 1169.2 | 1141.6 |
| 12.5° | 1561.1 | 1516.9 | 1457.2 | 1403.6 | 1355.8 | 1303.3 | 1260.1 | 1217.5 | 1177.0 | 1142.6 | 1109.4 |
| 15° | 1618.8 | 1558.0 | 1494.1 | 1424.9 | 1363.6 | 1305.9 | 1249.2 | 1197.8 | 1154.1 | 1109.4 | 1078.2 |
| 17.5° | 1655.2 | 1579.8 | 1511.2 | 1439.0 | 1368.3 | 1296.0 | 1237.3 | 1179.6 | 1125.5 | 1081.8 | 1042.8 |
| 20° | 1691.1 | 1616.2 | 1525.3 | 1453.0 | 1364.6 | 1289.8 | 1219.1 | 1153.0 | 1095.9 | 1048.6 | 1008.0 |
| 22.5° | 1722.3 | 1632.9 | 1541.9 | 1441.0 | 1353.2 | 1272.6 | 1193.6 | 1127.0 | 1068.3 | 1017.9 | 979.4 |
| 25° | 1729.6 | 1630.3 | 1531.5 | 1436.9 | 1337.1 | 1243.0 | 1172.8 | 1094.8 | 1032.4 | 979.9 | 938.3 |
| 27.5° | 1732.2 | 1627.2 | 1517.5 | 1414.5 | 1311.6 | 1225.8 | 1134.3 | 1066.2 | 1001.8 | 946.1 | 906.6 |
| 30° | 1726.4 | 1615.7 | 1495.6 | 1381.8 | 1278.3 | 1183.2 | 1106.3 | 1030.4 | 964.3 | 909.2 | 867.6 |
| 32.5° | 1708.2 | 1591.8 | 1467.6 | 1345.4 | 1237.3 | 1144.7 | 1064.7 | 993.4 | 929.5 | 875.4 | 831.3 |
| 35° | 1669.8 | 1555.9 | 1424.4 | 1299.1 | 1189.4 | 1095.3 | 1023.6 | 950.3 | 885.8 | 834.4 | 792.3 |
| 37.5° | 1618.3 | 1512.3 | 1378.7 | 1248.2 | 1142.6 | 1047.0 | 974.7 | 907.2 | 848.9 | 795.9 | 752.2 |
| 40° | 1546.6 | 1456.1 | 1322.0 | 1195.7 | 1079.2 | 989.3 | 922.7 | 861.9 | 804.2 | 754.8 | 713.8 |
| 42.5° | 1463.9 | 1388.0 | 1266.9 | 1131.2 | 1020.0 | 929.5 | 865.0 | 812.0 | 758.5 | 713.8 | 672.7 |
| 45° | 1362.5 | 1310.6 | 1194.1 | 1070.4 | 953.4 | 868.2 | 806.3 | 758.5 | 712.7 | 668.0 | 633.7 |
| 47.5° | 1249.7 | 1220.6 | 1119.3 | 1000.7 | 888.4 | 803.2 | 749.6 | 703.9 | 662.3 | 623.3 | 592.6 |
| 50° | 1135.9 | 1123.4 | 1038.7 | 925.3 | 819.3 | 740.3 | 686.2 | 648.3 | 614.0 | 580.7 | 552.1 |
| 52.5° | 1023.6 | 1026.2 | 951.9 | 850.5 | 754.3 | 678.9 | 625.4 | 590.6 | 562.0 | 536.5 | 511.5 |
| 55° | 908.7 | 923.3 | 863.5 | 770.9 | 683.1 | 614.5 | 566.1 | 534.4 | 513.6 | 491.3 | 472.0 |
| 57.5° | 803.2 | 827.6 | 775.6 | 690.9 | 616.6 | 551.0 | 508.4 | 484.0 | 461.1 | 446.6 | 431.5 |
| 60° | 700.2 | 723.1 | 684.7 | 616.0 | 546.9 | 492.8 | 452.8 | 431.5 | 412.2 | 402.9 | 393.0 |
| 62.5° | 608.8 | 628.5 | 602.5 | 540.1 | 482.4 | 431.0 | 398.7 | 378.5 | 367.0 | 356.6 | 350.9 |
| 65° | 522.5 | 539.6 | 515.2 | 468.9 | 417.4 | 375.9 | 348.3 | 332.2 | 319.7 | 315.6 | 308.3 |
| 67.5° | 437.2 | 452.8 | 439.8 | 399.3 | 355.6 | 322.8 | 301.0 | 283.8 | 276.6 | 272.4 | 267.7 |
| 70° | 362.9 | 378.5 | 364.4 | 330.1 | 298.4 | 271.9 | 251.6 | 242.8 | 235.0 | 233.4 | 226.1 |
| 72.5° | 300.0 | 309.3 | 295.3 | 270.3 | 244.3 | 223.0 | 208.5 | 199.1 | 196.0 | 192.9 | 189.7 |
| 75° | 234.5 | 243.8 | 234.5 | 213.7 | 194.4 | 178.8 | 165.3 | 161.7 | 157.0 | 155.4 | 152.8 |
| 77.5° | 175.7 | 184.5 | 177.3 | 163.2 | 148.2 | 135.2 | 127.4 | 122.2 | 121.6 | 118.5 | 119.6 |
| 80° | 126.8 | 132.0 | 125.3 | 116.4 | 105.0 | 96.7 | 91.5 | 88.9 | 85.8 | 84.7 | 86.8 |
| 82.5° | 82.1 | 83.7 | 81.1 | 75.9 | 68.1 | 63.4 | 60.3 | 57.2 | 57.2 | 57.7 | 57.2 |
| 85° | 47.3 | 46.8 | 46.3 | 41.1 | 38.5 | 34.8 | 32.8 | 32.2 | 31.7 | 32.8 | 33.8 |
| 87.5° | 19.8 | 20.3 | 19.8 | 17.7 | 16.1 | 14.6 | 14.0 | 13.5 | 14.0 | 14.6 | 15.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: CL4DR-A-100D930-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 | 1254.9 |
| 2.5° | 1224.8 | 1220.1 | 1213.3 | 1204.0 | 1196.2 | 1187.9 | 1185.8 | 1182.7 | 1188.9 | 1183.7 | 1182.2 |
| 5° | 1190.5 | 1179.6 | 1165.5 | 1149.4 | 1140.0 | 1126.5 | 1123.9 | 1118.7 | 1113.5 | 1113.0 | 1107.8 |
| 7.5° | 1154.6 | 1139.5 | 1121.9 | 1105.2 | 1090.7 | 1076.1 | 1066.7 | 1065.7 | 1057.4 | 1053.2 | 1048.0 |
| 10° | 1120.3 | 1100.5 | 1079.2 | 1063.6 | 1046.0 | 1030.4 | 1019.4 | 1013.2 | 1008.0 | 1002.3 | 997.1 |
| 12.5° | 1079.7 | 1058.4 | 1041.8 | 1024.6 | 1002.8 | 991.9 | 972.1 | 960.2 | 960.2 | 961.7 | 946.1 |
| 15° | 1050.1 | 1029.3 | 1002.3 | 978.4 | 966.9 | 944.1 | 934.2 | 921.7 | 913.9 | 906.1 | 899.9 |
| 17.5° | 1013.7 | 988.2 | 967.5 | 940.4 | 919.1 | 902.0 | 888.4 | 881.7 | 869.2 | 857.8 | 850.0 |
| 20° | 979.9 | 952.4 | 930.0 | 900.9 | 877.0 | 854.6 | 843.7 | 833.3 | 824.5 | 815.1 | 806.3 |
| 22.5° | 945.6 | 916.5 | 887.9 | 859.8 | 838.0 | 814.1 | 803.7 | 788.6 | 780.3 | 776.1 | 767.3 |
| 25° | 909.2 | 878.0 | 846.8 | 819.8 | 796.9 | 776.1 | 762.1 | 751.2 | 741.8 | 737.7 | 732.0 |
| 27.5° | 869.7 | 839.0 | 809.4 | 778.2 | 751.7 | 736.6 | 725.2 | 716.4 | 710.6 | 704.4 | 701.8 |
| 30° | 832.3 | 800.1 | 767.8 | 739.2 | 715.3 | 700.2 | 689.9 | 684.1 | 680.0 | 677.4 | 674.8 |
| 32.5° | 794.3 | 762.6 | 728.3 | 702.8 | 682.1 | 669.1 | 661.8 | 656.1 | 654.5 | 654.0 | 653.5 |
| 35° | 753.3 | 721.0 | 689.9 | 666.5 | 646.2 | 641.0 | 634.2 | 631.1 | 630.1 | 633.7 | 635.3 |
| 37.5° | 713.8 | 683.6 | 654.5 | 631.1 | 617.6 | 609.3 | 606.7 | 606.2 | 609.8 | 612.9 | 616.6 |
| 40° | 675.8 | 646.7 | 619.7 | 599.9 | 587.4 | 582.8 | 581.7 | 584.3 | 588.5 | 592.1 | 596.3 |
| 42.5° | 638.9 | 610.3 | 586.4 | 568.2 | 560.4 | 556.2 | 557.3 | 559.9 | 566.1 | 570.8 | 577.6 |
| 45° | 600.4 | 576.5 | 552.6 | 537.5 | 530.3 | 531.3 | 531.3 | 536.0 | 541.7 | 548.4 | 555.2 |
| 47.5° | 564.6 | 540.1 | 519.9 | 506.9 | 503.2 | 501.7 | 504.3 | 510.5 | 518.3 | 526.1 | 535.5 |
| 50° | 528.2 | 505.3 | 488.1 | 476.7 | 472.5 | 474.1 | 478.3 | 484.0 | 493.9 | 504.3 | 514.1 |
| 52.5° | 491.3 | 471.0 | 455.4 | 445.0 | 442.4 | 445.5 | 449.7 | 459.6 | 467.9 | 479.3 | 491.8 |
| 55° | 452.8 | 435.1 | 422.6 | 414.8 | 413.8 | 415.4 | 420.0 | 429.9 | 442.4 | 456.4 | 467.9 |
| 57.5° | 414.8 | 399.8 | 387.8 | 382.1 | 382.6 | 383.7 | 390.9 | 402.9 | 415.4 | 430.4 | 445.0 |
| 60° | 376.4 | 362.9 | 353.5 | 349.3 | 349.9 | 353.0 | 362.3 | 373.3 | 389.9 | 404.4 | 420.0 |
| 62.5° | 340.0 | 328.5 | 319.7 | 316.1 | 315.0 | 322.8 | 331.7 | 343.1 | 359.7 | 376.4 | 393.5 |
| 65° | 300.5 | 291.1 | 283.8 | 281.8 | 283.3 | 288.5 | 300.0 | 315.0 | 329.1 | 346.2 | 363.9 |
| 67.5° | 262.0 | 254.2 | 249.0 | 250.1 | 251.6 | 258.9 | 268.8 | 281.8 | 297.4 | 315.0 | 333.2 |
| 70° | 225.6 | 218.3 | 214.2 | 214.7 | 217.8 | 227.2 | 235.5 | 248.5 | 265.6 | 283.8 | 298.4 |
| 72.5° | 188.2 | 184.0 | 180.4 | 183.0 | 186.1 | 191.8 | 202.7 | 215.7 | 230.3 | 246.9 | 262.5 |
| 75° | 150.2 | 150.2 | 148.2 | 149.7 | 154.4 | 160.6 | 168.4 | 181.9 | 197.0 | 210.5 | 223.0 |
| 77.5° | 118.0 | 116.4 | 117.5 | 119.0 | 122.2 | 130.0 | 138.8 | 148.7 | 160.6 | 174.7 | 185.1 |
| 80° | 85.3 | 85.8 | 88.4 | 91.5 | 92.5 | 98.3 | 107.6 | 116.4 | 125.3 | 136.7 | 146.6 |
| 82.5° | 58.7 | 59.3 | 60.3 | 64.5 | 65.5 | 71.7 | 76.9 | 85.8 | 93.6 | 100.3 | 108.1 |
| 85° | 34.8 | 34.8 | 37.4 | 39.0 | 41.6 | 45.7 | 49.4 | 54.6 | 61.9 | 67.1 | 74.9 |
| 87.5° | 16.6 | 16.6 | 18.7 | 19.8 | 21.3 | 23.9 | 25.0 | 30.7 | 32.8 | 35.4 | 40.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P242651

CATALOG NUMBER: CL4DR-A-100D930-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1254.9 | 1254.9 | 1254.9 | 1254.9 |
| 2.5° | 1181.1 | 1180.1 | 1176.4 | 1175.9 |
| 5° | 1104.7 | 1102.1 | 1100.5 | 1106.3 |
| 7.5° | 1047.0 | 1044.9 | 1040.2 | 1038.7 |
| 10° | 991.9 | 989.8 | 985.6 | 984.6 |
| 12.5° | 938.9 | 934.2 | 934.2 | 935.7 |
| 15° | 893.1 | 891.0 | 885.3 | 886.9 |
| 17.5° | 846.3 | 844.2 | 836.4 | 844.2 |
| 20° | 802.7 | 798.5 | 794.9 | 794.3 |
| 22.5° | 761.1 | 757.4 | 758.0 | 753.8 |
| 25° | 727.8 | 724.2 | 723.1 | 720.5 |
| 27.5° | 700.8 | 698.7 | 696.6 | 697.6 |
| 30° | 676.3 | 675.8 | 674.8 | 674.8 |
| 32.5° | 656.1 | 656.1 | 657.1 | 657.1 |
| 35° | 637.3 | 638.9 | 639.9 | 638.4 |
| 37.5° | 620.7 | 621.7 | 623.3 | 624.9 |
| 40° | 601.0 | 604.6 | 605.6 | 608.2 |
| 42.5° | 582.2 | 586.4 | 589.5 | 589.5 |
| 45° | 563.0 | 567.2 | 570.8 | 570.8 |
| 47.5° | 543.3 | 549.0 | 552.6 | 553.1 |
| 50° | 523.0 | 530.3 | 533.9 | 536.5 |
| 52.5° | 503.2 | 510.5 | 515.7 | 516.7 |
| 55° | 479.8 | 490.2 | 495.9 | 498.0 |
| 57.5° | 459.0 | 468.4 | 474.6 | 476.2 |
| 60° | 434.1 | 444.5 | 452.8 | 454.4 |
| 62.5° | 408.6 | 419.5 | 426.8 | 431.5 |
| 65° | 378.5 | 389.4 | 396.7 | 398.2 |
| 67.5° | 346.7 | 358.2 | 362.9 | 366.0 |
| 70° | 313.0 | 321.8 | 327.0 | 329.6 |
| 72.5° | 274.5 | 283.8 | 290.1 | 290.1 |
| 75° | 235.0 | 243.3 | 246.4 | 246.4 |
| 77.5° | 193.9 | 198.6 | 202.7 | 203.8 |
| 80° | 154.4 | 157.0 | 160.1 | 160.1 |
| 82.5° | 113.8 | 115.9 | 119.0 | 118.5 |
| 85° | 73.8 | 78.5 | 78.0 | 76.9 |
| 87.5° | 41.6 | 42.1 | 43.7 | 44.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)