

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P273779

Luminaire Tested: **4RCG-4-100D-L835-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P273779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RCG-4-100D-L835-A
Description: RCG SERIES DIRECT RECESSED LED LUMINAIRE WITH ASYMMETRIC FLUSH LENS
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4091.5 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.5
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')
CIE Type: Direct

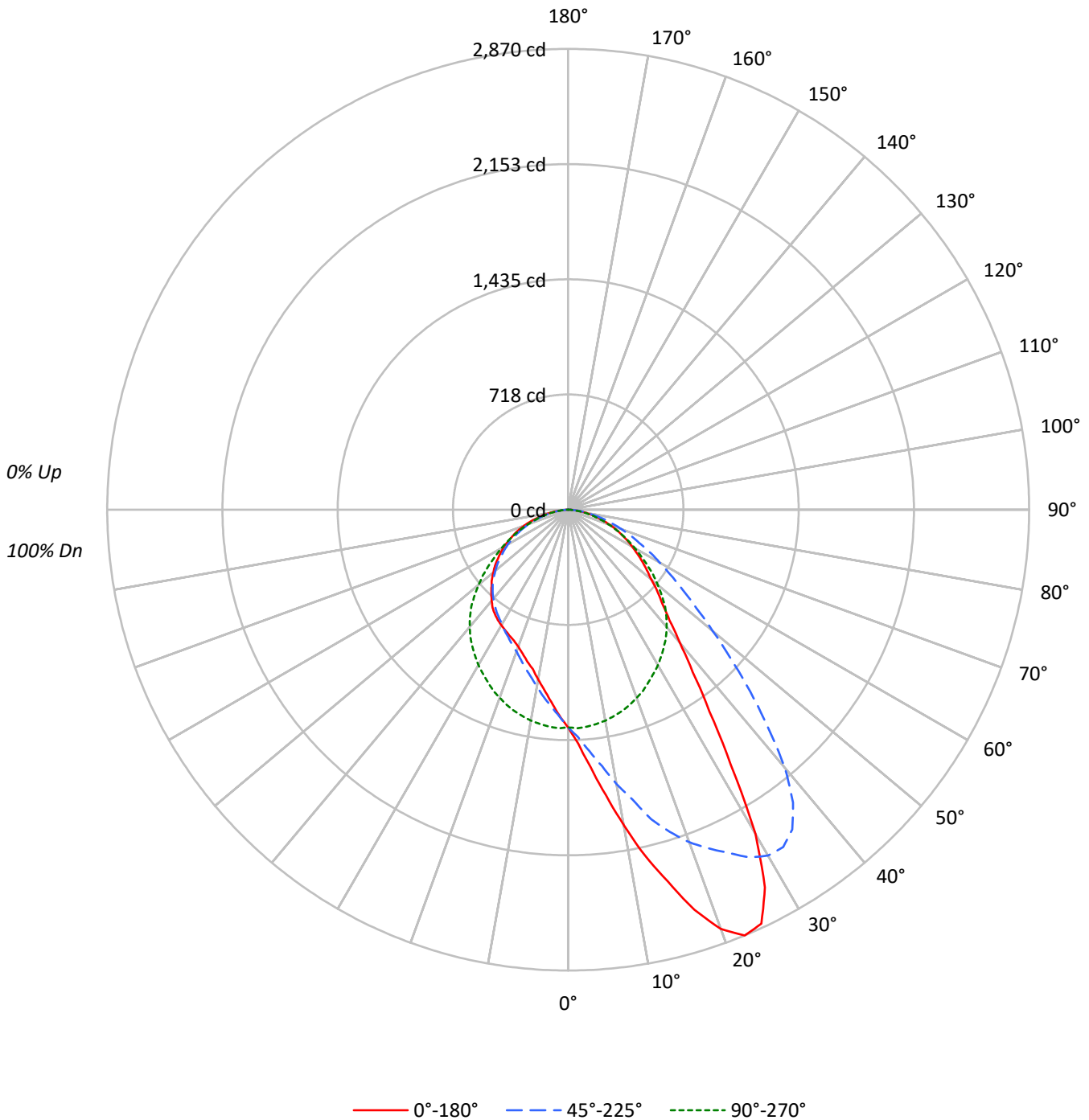
Input Watts (W): 34.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P273779

CATALOG NUMBER: 4RCG-4-100D-L835-A

Luminous Intensity Polar Plot





TEST NUMBER: P273779

CATALOG NUMBER: 4RCG-4-100D-L835-A

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 | 110 | 105 | 101 | 98 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | | 95 | 92 | 90 | | 91 | 89 | 87 | 85 |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 82 | 78 | | 84 | 80 | 76 | | 81 | 78 | 74 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | | 75 | 69 | 65 | | 72 | 68 | 64 | 62 |
| 4 | 84 | 73 | 65 | 58 | 82 | 72 | 64 | 58 | 69 | 62 | 57 | | 67 | 61 | 56 | | 65 | 60 | 56 | 53 |
| 5 | 78 | 66 | 57 | 51 | 76 | 64 | 56 | 50 | 62 | 55 | 50 | | 60 | 54 | 49 | | 59 | 53 | 49 | 47 |
| 6 | 72 | 59 | 51 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 44 | | 55 | 48 | 43 | | 53 | 48 | 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 | 39 | 35 | | 45 | 39 | 35 | 33 |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 32 | 43 | 36 | 32 | | 42 | 36 | 31 | | 41 | 36 | 31 | 29 |
| 10 | 55 | 42 | 34 | 29 | 53 | 41 | 34 | 29 | 40 | 33 | 29 | | 39 | 33 | 29 | | 38 | 33 | 28 | 27 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 16432 | 16432 | 16432 |
| 5° | 19595 | 16502 | 14624 |
| 10° | 24525 | 16418 | 13209 |
| 15° | 30082 | 16286 | 12297 |
| 20° | 35835 | 16079 | 11707 |
| 25° | 38051 | 15828 | 11577 |
| 30° | 32614 | 15645 | 11638 |
| 35° | 22683 | 15385 | 11759 |
| 40° | 17084 | 15079 | 11722 |
| 45° | 14185 | 14624 | 11574 |
| 50° | 12706 | 13698 | 11469 |
| 55° | 11881 | 12699 | 11325 |
| 60° | 11144 | 11656 | 11210 |
| 65° | 10474 | 10624 | 10850 |
| 70° | 9824 | 9448 | 10334 |
| 75° | 8795 | 8275 | 9474 |
| 80° | 7699 | 6785 | 8160 |
| 85° | 6022 | 4937 | 5480 |



TEST NUMBER: P273779

CATALOG NUMBER: 4RCG-4-100D-L835-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.3 | 3.3 |
| 10°-20° | 428.2 | 10.5 |
| 20°-30° | 720.5 | 17.6 |
| 30°-40° | 814.3 | 19.9 |
| 40°-50° | 729.4 | 17.8 |
| 50°-60° | 588.7 | 14.4 |
| 60°-70° | 410.2 | 10.0 |
| 70°-80° | 215.3 | 5.3 |
| 80°-90° | 51.6 | 1.3 |
| 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° | 1282.0 | 31.3 |
| 0°-40° | 2096.3 | 51.2 |
| 0°-60° | 3414.4 | 83.5 |
| 0°-90° | 4091.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4091.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1356 | 1356 | 1356 | 1356 | 1356 | |
| 5° | 1610 | 1509 | 1356 | 1228 | 1202 | 166 |
| 15° | 2397 | 1995 | 1298 | 1023 | 980 | 692 |
| 25° | 2845 | 2358 | 1184 | 879 | 866 | 1258 |
| 35° | 1533 | 2431 | 1040 | 777 | 795 | 989 |
| 45° | 828 | 1602 | 853 | 665 | 675 | 653 |
| 55° | 562 | 870 | 601 | 514 | 536 | 504 |
| 65° | 365 | 488 | 370 | 349 | 378 | 364 |
| 75° | 188 | 231 | 177 | 175 | 202 | 201 |
| 85° | 43 | 50 | 36 | 35 | 39 | 53 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P273779

CATALOG NUMBER: 4RCG-4-100D-L835-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 |
| 2.5° | 1459.3 | 1458.0 | 1454.7 | 1457.4 | 1452.1 | 1444.9 | 1444.2 | 1437.7 | 1418.6 | 1417.3 | 1412.0 |
| 5° | 1610.4 | 1605.1 | 1604.5 | 1603.8 | 1594.6 | 1582.1 | 1558.5 | 1556.5 | 1525.0 | 1509.2 | 1490.2 |
| 7.5° | 1793.0 | 1791.0 | 1785.7 | 1779.8 | 1749.0 | 1733.9 | 1711.5 | 1682.6 | 1645.9 | 1610.4 | 1588.1 |
| 10° | 1992.6 | 2014.3 | 1987.4 | 1969.0 | 1951.9 | 1919.7 | 1882.3 | 1835.7 | 1789.0 | 1734.5 | 1693.1 |
| 12.5° | 2206.7 | 2214.6 | 2214.6 | 2197.5 | 2168.6 | 2115.4 | 2041.9 | 1989.3 | 1947.3 | 1847.5 | 1812.0 |
| 15° | 2397.2 | 2437.3 | 2411.6 | 2352.5 | 2353.8 | 2307.2 | 2220.5 | 2125.3 | 2074.7 | 1995.3 | 1886.9 |
| 17.5° | 2612.6 | 2619.8 | 2612.0 | 2556.8 | 2529.9 | 2462.2 | 2384.1 | 2295.4 | 2200.2 | 2103.6 | 1991.3 |
| 20° | 2778.1 | 2774.2 | 2751.2 | 2725.6 | 2669.1 | 2619.2 | 2531.8 | 2430.0 | 2298.7 | 2204.1 | 2078.7 |
| 22.5° | 2870.1 | 2862.8 | 2855.0 | 2834.6 | 2789.9 | 2735.4 | 2659.2 | 2545.6 | 2422.1 | 2282.9 | 2133.2 |
| 25° | 2845.1 | 2853.6 | 2855.0 | 2849.0 | 2832.6 | 2800.4 | 2738.7 | 2650.0 | 2525.3 | 2357.8 | 2206.7 |
| 27.5° | 2652.0 | 2673.7 | 2701.3 | 2719.7 | 2749.2 | 2768.9 | 2749.2 | 2693.4 | 2590.9 | 2441.2 | 2255.3 |
| 30° | 2330.2 | 2303.9 | 2369.0 | 2451.0 | 2506.9 | 2605.4 | 2660.6 | 2663.8 | 2612.0 | 2487.8 | 2307.9 |
| 32.5° | 1883.6 | 1926.3 | 1946.0 | 2051.7 | 2190.3 | 2303.9 | 2427.4 | 2537.1 | 2562.7 | 2490.5 | 2338.7 |
| 35° | 1532.9 | 1569.0 | 1621.6 | 1674.1 | 1805.4 | 1918.4 | 2111.5 | 2279.6 | 2413.6 | 2431.3 | 2334.8 |
| 37.5° | 1274.1 | 1295.1 | 1327.3 | 1383.1 | 1473.1 | 1613.0 | 1766.0 | 1984.7 | 2169.3 | 2299.3 | 2286.2 |
| 40° | 1079.7 | 1085.0 | 1122.4 | 1162.5 | 1232.1 | 1342.4 | 1477.1 | 1664.9 | 1897.4 | 2099.0 | 2183.1 |
| 42.5° | 933.9 | 947.1 | 957.6 | 995.7 | 1047.5 | 1123.7 | 1246.5 | 1393.7 | 1601.8 | 1841.6 | 2026.1 |
| 45° | 827.5 | 840.7 | 850.5 | 876.1 | 915.5 | 971.4 | 1058.7 | 1200.6 | 1362.8 | 1602.5 | 1823.8 |
| 47.5° | 754.0 | 752.7 | 761.2 | 781.6 | 809.8 | 854.5 | 918.8 | 1013.4 | 1169.0 | 1369.4 | 1601.2 |
| 50° | 673.8 | 684.3 | 687.0 | 702.1 | 723.1 | 754.0 | 805.2 | 882.7 | 1004.9 | 1175.6 | 1384.5 |
| 52.5° | 617.4 | 618.7 | 627.2 | 637.1 | 654.8 | 677.1 | 719.8 | 776.3 | 865.6 | 1004.9 | 1192.7 |
| 55° | 562.2 | 562.2 | 569.4 | 578.0 | 588.5 | 610.1 | 639.7 | 684.3 | 757.2 | 870.2 | 1029.2 |
| 57.5° | 511.0 | 513.6 | 520.2 | 522.1 | 531.3 | 546.4 | 572.0 | 607.5 | 663.3 | 754.6 | 886.0 |
| 60° | 459.7 | 465.6 | 465.0 | 470.2 | 478.1 | 489.3 | 510.3 | 537.9 | 586.5 | 656.1 | 762.5 |
| 62.5° | 415.1 | 413.1 | 413.1 | 419.7 | 427.6 | 438.1 | 449.9 | 472.9 | 512.3 | 572.0 | 658.7 |
| 65° | 365.2 | 363.8 | 368.4 | 372.4 | 375.0 | 382.9 | 393.4 | 414.4 | 442.0 | 488.0 | 558.3 |
| 67.5° | 321.8 | 317.9 | 321.2 | 322.5 | 327.1 | 333.6 | 344.1 | 357.3 | 379.6 | 418.4 | 474.8 |
| 70° | 277.2 | 273.9 | 273.2 | 274.5 | 278.5 | 283.1 | 290.3 | 302.8 | 323.1 | 352.7 | 391.4 |
| 72.5° | 231.2 | 229.2 | 229.2 | 232.5 | 233.8 | 236.4 | 241.0 | 252.2 | 267.3 | 287.7 | 323.1 |
| 75° | 187.8 | 187.8 | 187.8 | 188.5 | 190.5 | 193.1 | 197.0 | 202.9 | 215.4 | 231.2 | 255.5 |
| 77.5° | 148.4 | 149.1 | 147.8 | 147.1 | 150.4 | 151.7 | 152.4 | 158.9 | 166.2 | 178.0 | 197.0 |
| 80° | 110.3 | 107.1 | 108.4 | 110.3 | 111.7 | 112.3 | 114.3 | 115.6 | 121.5 | 127.4 | 139.9 |
| 82.5° | 74.9 | 72.2 | 72.2 | 75.5 | 75.5 | 76.2 | 78.2 | 80.1 | 81.4 | 86.7 | 91.9 |
| 85° | 43.3 | 43.3 | 44.0 | 44.0 | 44.7 | 44.0 | 46.0 | 46.6 | 46.6 | 49.9 | 53.9 |
| 87.5° | 19.7 | 18.4 | 19.0 | 19.7 | 19.0 | 19.7 | 20.4 | 21.0 | 21.7 | 22.3 | 23.0 |
| 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: P273779

CATALOG NUMBER: 4RCG-4-100D-L835-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 |
| 2.5° | 1408.1 | 1402.8 | 1397.6 | 1388.4 | 1380.5 | 1369.4 | 1366.1 | 1362.1 | 1350.3 | 1339.8 | 1331.9 |
| 5° | 1483.0 | 1467.2 | 1444.2 | 1423.2 | 1406.1 | 1383.1 | 1370.0 | 1356.2 | 1336.5 | 1318.8 | 1304.3 |
| 7.5° | 1554.6 | 1527.0 | 1494.8 | 1460.0 | 1426.5 | 1394.3 | 1368.7 | 1345.7 | 1320.1 | 1295.1 | 1276.1 |
| 10° | 1643.2 | 1598.6 | 1548.7 | 1494.8 | 1448.8 | 1404.2 | 1366.7 | 1333.9 | 1298.4 | 1267.6 | 1241.9 |
| 12.5° | 1744.4 | 1672.8 | 1599.2 | 1530.9 | 1474.4 | 1408.1 | 1360.8 | 1316.8 | 1275.4 | 1236.7 | 1207.1 |
| 15° | 1819.9 | 1735.8 | 1654.4 | 1564.4 | 1481.7 | 1404.2 | 1350.3 | 1297.8 | 1251.1 | 1213.0 | 1176.3 |
| 17.5° | 1894.8 | 1802.8 | 1699.1 | 1590.7 | 1493.5 | 1404.2 | 1330.6 | 1274.1 | 1217.0 | 1171.0 | 1135.5 |
| 20° | 1956.5 | 1848.1 | 1726.6 | 1613.0 | 1502.7 | 1400.2 | 1317.5 | 1246.5 | 1183.5 | 1134.2 | 1092.9 |
| 22.5° | 2009.7 | 1878.3 | 1751.6 | 1628.1 | 1502.0 | 1389.7 | 1293.2 | 1219.6 | 1150.0 | 1102.1 | 1057.4 |
| 25° | 2043.2 | 1891.5 | 1765.4 | 1622.9 | 1485.6 | 1371.3 | 1266.2 | 1183.5 | 1115.2 | 1058.7 | 1013.4 |
| 27.5° | 2074.7 | 1889.5 | 1747.0 | 1593.3 | 1465.9 | 1352.3 | 1239.3 | 1150.7 | 1079.1 | 1018.0 | 971.4 |
| 30° | 2106.2 | 1892.8 | 1714.8 | 1563.1 | 1434.4 | 1316.2 | 1207.1 | 1117.8 | 1041.6 | 979.2 | 935.9 |
| 32.5° | 2125.9 | 1890.8 | 1685.3 | 1521.1 | 1384.5 | 1283.3 | 1172.3 | 1079.1 | 1000.3 | 939.2 | 897.8 |
| 35° | 2131.2 | 1879.7 | 1650.4 | 1460.0 | 1329.9 | 1228.2 | 1135.5 | 1039.7 | 957.6 | 900.4 | 853.1 |
| 37.5° | 2120.0 | 1859.3 | 1612.4 | 1404.8 | 1264.3 | 1163.1 | 1082.3 | 1000.3 | 921.4 | 857.7 | 816.4 |
| 40° | 2083.9 | 1839.6 | 1566.4 | 1345.7 | 1196.0 | 1099.4 | 1033.1 | 953.0 | 875.5 | 815.7 | 777.6 |
| 42.5° | 2015.0 | 1799.5 | 1515.8 | 1280.0 | 1125.0 | 1028.5 | 968.7 | 905.0 | 832.8 | 777.6 | 739.5 |
| 45° | 1894.1 | 1737.8 | 1465.2 | 1214.4 | 1055.4 | 955.6 | 901.7 | 853.1 | 786.8 | 732.3 | 699.5 |
| 47.5° | 1739.8 | 1654.4 | 1392.3 | 1145.4 | 982.5 | 886.0 | 829.5 | 789.4 | 737.5 | 693.5 | 661.4 |
| 50° | 1577.5 | 1546.7 | 1318.1 | 1074.5 | 909.6 | 815.7 | 761.8 | 726.4 | 691.6 | 647.6 | 618.7 |
| 52.5° | 1390.4 | 1421.9 | 1231.4 | 1000.9 | 835.4 | 743.5 | 693.5 | 667.3 | 636.4 | 602.3 | 578.0 |
| 55° | 1217.0 | 1285.9 | 1129.0 | 916.8 | 761.8 | 673.8 | 625.9 | 600.9 | 582.6 | 555.6 | 533.9 |
| 57.5° | 1048.9 | 1136.9 | 1022.6 | 832.1 | 689.6 | 612.8 | 565.5 | 537.2 | 525.4 | 510.3 | 492.6 |
| 60° | 902.4 | 989.1 | 907.0 | 746.7 | 616.7 | 544.5 | 503.7 | 480.8 | 468.9 | 459.1 | 444.6 |
| 62.5° | 771.7 | 859.7 | 794.0 | 660.0 | 545.1 | 479.4 | 445.3 | 423.0 | 414.4 | 410.5 | 398.7 |
| 65° | 654.1 | 729.7 | 683.7 | 569.4 | 477.5 | 418.4 | 386.2 | 370.4 | 361.9 | 359.9 | 352.0 |
| 67.5° | 552.3 | 610.8 | 575.3 | 489.3 | 414.4 | 360.6 | 332.3 | 318.5 | 311.3 | 310.6 | 304.1 |
| 70° | 452.5 | 506.4 | 480.8 | 404.6 | 342.2 | 302.1 | 278.5 | 266.6 | 262.7 | 262.0 | 258.8 |
| 72.5° | 375.0 | 408.5 | 389.5 | 329.0 | 284.4 | 248.9 | 233.2 | 220.7 | 216.1 | 217.4 | 215.4 |
| 75° | 289.0 | 317.2 | 305.4 | 261.4 | 222.6 | 199.0 | 184.6 | 176.7 | 172.7 | 174.7 | 172.1 |
| 77.5° | 220.7 | 240.4 | 228.6 | 195.1 | 170.1 | 152.4 | 141.2 | 136.0 | 132.0 | 132.0 | 130.7 |
| 80° | 157.0 | 167.5 | 161.6 | 143.2 | 123.5 | 109.0 | 100.5 | 97.2 | 95.2 | 94.6 | 93.9 |
| 82.5° | 100.5 | 109.0 | 101.8 | 90.6 | 78.8 | 71.6 | 67.6 | 63.0 | 61.7 | 62.4 | 61.7 |
| 85° | 56.5 | 59.8 | 57.1 | 49.3 | 44.0 | 40.1 | 37.4 | 35.5 | 34.2 | 34.8 | 33.5 |
| 87.5° | 24.3 | 25.0 | 23.0 | 20.4 | 19.0 | 17.1 | 17.1 | 15.8 | 14.4 | 14.4 | 13.8 |
| 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: P273779

CATALOG NUMBER: 4RCG-4-100D-L835-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 | 1355.6 |
| 2.5° | 1327.3 | 1322.7 | 1316.2 | 1306.3 | 1298.4 | 1285.9 | 1285.9 | 1287.9 | 1287.9 | 1287.3 | 1285.9 |
| 5° | 1292.5 | 1282.7 | 1270.8 | 1257.0 | 1242.6 | 1228.2 | 1225.5 | 1220.3 | 1216.3 | 1213.7 | 1210.4 |
| 7.5° | 1257.0 | 1240.6 | 1224.2 | 1205.2 | 1188.7 | 1175.0 | 1165.1 | 1156.6 | 1151.3 | 1145.4 | 1140.8 |
| 10° | 1220.9 | 1199.3 | 1178.9 | 1158.5 | 1136.2 | 1118.5 | 1107.3 | 1099.4 | 1093.5 | 1088.3 | 1085.6 |
| 12.5° | 1178.2 | 1152.6 | 1129.6 | 1110.6 | 1085.6 | 1067.2 | 1056.7 | 1054.1 | 1046.9 | 1034.4 | 1027.8 |
| 15° | 1136.9 | 1113.9 | 1086.9 | 1057.4 | 1045.6 | 1023.2 | 1010.8 | 1004.9 | 1000.9 | 992.4 | 989.7 |
| 17.5° | 1102.7 | 1071.8 | 1041.0 | 1019.3 | 997.6 | 979.9 | 972.7 | 964.8 | 959.5 | 951.7 | 949.7 |
| 20° | 1060.0 | 1033.1 | 1005.5 | 981.9 | 958.9 | 939.2 | 933.3 | 928.0 | 922.8 | 919.5 | 916.8 |
| 22.5° | 1016.7 | 989.7 | 968.1 | 946.4 | 921.4 | 910.3 | 903.7 | 897.8 | 894.5 | 892.5 | 889.9 |
| 25° | 976.6 | 953.0 | 927.4 | 907.6 | 887.9 | 879.4 | 875.5 | 872.2 | 869.6 | 866.3 | 865.6 |
| 27.5° | 941.1 | 914.9 | 893.2 | 874.2 | 859.7 | 852.5 | 847.9 | 845.9 | 845.9 | 847.2 | 847.9 |
| 30° | 900.4 | 876.8 | 859.7 | 843.9 | 830.8 | 824.2 | 823.6 | 823.6 | 826.2 | 826.9 | 828.2 |
| 32.5° | 863.0 | 844.6 | 827.5 | 812.4 | 803.2 | 799.3 | 802.6 | 802.6 | 804.5 | 806.5 | 809.1 |
| 35° | 826.9 | 809.8 | 796.7 | 783.5 | 775.0 | 777.0 | 778.3 | 779.6 | 782.9 | 786.8 | 789.4 |
| 37.5° | 792.7 | 777.0 | 763.2 | 752.7 | 747.4 | 751.3 | 754.6 | 757.2 | 761.2 | 764.5 | 767.1 |
| 40° | 755.3 | 744.1 | 731.0 | 721.8 | 723.1 | 725.1 | 727.7 | 731.0 | 734.3 | 736.2 | 738.9 |
| 42.5° | 720.5 | 708.6 | 699.5 | 692.2 | 694.2 | 696.8 | 698.1 | 699.5 | 703.4 | 707.3 | 708.6 |
| 45° | 685.0 | 675.8 | 666.6 | 662.0 | 663.3 | 664.6 | 666.0 | 667.9 | 671.2 | 673.8 | 674.5 |
| 47.5° | 644.9 | 638.4 | 632.5 | 627.2 | 629.8 | 629.2 | 631.2 | 635.1 | 636.4 | 637.7 | 641.7 |
| 50° | 606.9 | 600.9 | 593.7 | 592.4 | 592.4 | 592.4 | 593.1 | 598.3 | 598.3 | 600.9 | 603.6 |
| 52.5° | 564.8 | 561.5 | 557.6 | 555.0 | 553.7 | 553.7 | 556.9 | 558.9 | 560.2 | 564.2 | 566.8 |
| 55° | 523.4 | 519.5 | 515.6 | 513.6 | 512.3 | 513.6 | 518.8 | 520.2 | 523.4 | 525.4 | 527.4 |
| 57.5° | 480.1 | 477.5 | 474.2 | 472.9 | 472.9 | 473.5 | 477.5 | 480.8 | 481.4 | 488.0 | 490.6 |
| 60° | 437.4 | 432.8 | 430.2 | 430.2 | 428.9 | 434.8 | 433.5 | 440.0 | 441.3 | 445.3 | 449.9 |
| 62.5° | 393.4 | 386.8 | 386.2 | 386.2 | 388.8 | 389.5 | 392.1 | 394.1 | 398.0 | 403.3 | 406.5 |
| 65° | 345.5 | 342.2 | 346.8 | 346.1 | 344.8 | 348.7 | 348.7 | 352.0 | 356.0 | 360.6 | 367.8 |
| 67.5° | 300.8 | 298.2 | 299.5 | 298.8 | 300.8 | 303.4 | 305.4 | 308.0 | 312.6 | 317.9 | 322.5 |
| 70° | 255.5 | 257.5 | 254.2 | 256.8 | 258.8 | 259.4 | 260.7 | 264.7 | 269.9 | 273.2 | 278.5 |
| 72.5° | 211.5 | 210.8 | 212.1 | 212.8 | 214.8 | 216.1 | 217.4 | 222.0 | 227.9 | 230.5 | 234.5 |
| 75° | 169.4 | 168.8 | 170.8 | 170.8 | 174.0 | 175.4 | 176.7 | 178.6 | 183.9 | 187.8 | 191.1 |
| 77.5° | 131.4 | 132.0 | 131.4 | 134.0 | 132.7 | 133.3 | 137.3 | 139.2 | 139.9 | 148.4 | 149.7 |
| 80° | 93.3 | 94.6 | 95.2 | 95.9 | 96.5 | 95.2 | 99.8 | 101.8 | 101.8 | 106.4 | 109.7 |
| 82.5° | 60.4 | 61.1 | 63.0 | 63.7 | 63.7 | 65.7 | 65.0 | 66.3 | 68.3 | 69.6 | 74.2 |
| 85° | 33.5 | 35.5 | 36.1 | 35.5 | 36.1 | 34.8 | 36.8 | 37.4 | 38.1 | 38.1 | 38.1 |
| 87.5° | 13.1 | 13.8 | 13.1 | 13.8 | 13.1 | 13.8 | 13.8 | 12.5 | 12.5 | 14.4 | 11.8 |
| 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: P273779

CATALOG NUMBER: 4RCG-4-100D-L835-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1355.6 | 1355.6 | 1355.6 | 1355.6 |
| 2.5° | 1281.3 | 1280.7 | 1285.3 | 1282.0 |
| 5° | 1206.5 | 1208.4 | 1201.9 | 1201.9 |
| 7.5° | 1138.8 | 1136.2 | 1136.9 | 1132.3 |
| 10° | 1077.8 | 1073.8 | 1072.5 | 1073.2 |
| 12.5° | 1027.2 | 1027.2 | 1016.7 | 1016.7 |
| 15° | 989.7 | 977.3 | 976.0 | 979.9 |
| 17.5° | 948.4 | 941.1 | 941.8 | 940.5 |
| 20° | 916.8 | 912.9 | 912.2 | 907.6 |
| 22.5° | 887.9 | 887.3 | 887.9 | 882.7 |
| 25° | 865.0 | 868.2 | 865.6 | 865.6 |
| 27.5° | 849.2 | 849.2 | 847.2 | 847.2 |
| 30° | 830.8 | 830.2 | 831.5 | 831.5 |
| 32.5° | 812.4 | 813.7 | 813.7 | 814.4 |
| 35° | 793.4 | 794.0 | 796.0 | 794.7 |
| 37.5° | 768.4 | 771.7 | 771.0 | 772.4 |
| 40° | 739.5 | 741.5 | 740.8 | 740.8 |
| 42.5° | 710.0 | 711.3 | 709.3 | 708.0 |
| 45° | 677.1 | 675.8 | 677.8 | 675.2 |
| 47.5° | 641.0 | 641.7 | 642.3 | 644.9 |
| 50° | 604.9 | 608.8 | 608.8 | 608.2 |
| 52.5° | 569.4 | 570.7 | 574.0 | 574.0 |
| 55° | 532.6 | 533.9 | 535.3 | 535.9 |
| 57.5° | 495.2 | 494.5 | 497.2 | 497.8 |
| 60° | 455.1 | 455.1 | 460.4 | 462.4 |
| 62.5° | 412.4 | 415.1 | 420.3 | 416.4 |
| 65° | 371.1 | 376.3 | 375.7 | 378.3 |
| 67.5° | 327.7 | 331.0 | 336.3 | 336.3 |
| 70° | 283.7 | 287.0 | 289.6 | 291.6 |
| 72.5° | 241.0 | 242.3 | 249.6 | 245.6 |
| 75° | 195.7 | 200.3 | 204.3 | 202.3 |
| 77.5° | 152.4 | 158.3 | 159.6 | 157.6 |
| 80° | 114.3 | 113.6 | 117.6 | 116.9 |
| 82.5° | 76.2 | 75.5 | 76.8 | 77.5 |
| 85° | 40.7 | 42.7 | 40.1 | 39.4 |
| 87.5° | 11.8 | 11.8 | 11.2 | 10.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)