

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: NEO-RAY

Report Number: P242307

Luminaire Tested: **S122DR-S865D930-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P242307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DR-S865D930-X4F0-XX-UDD-A-W
Description: DEFINE 2 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: 2984.4 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.23
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

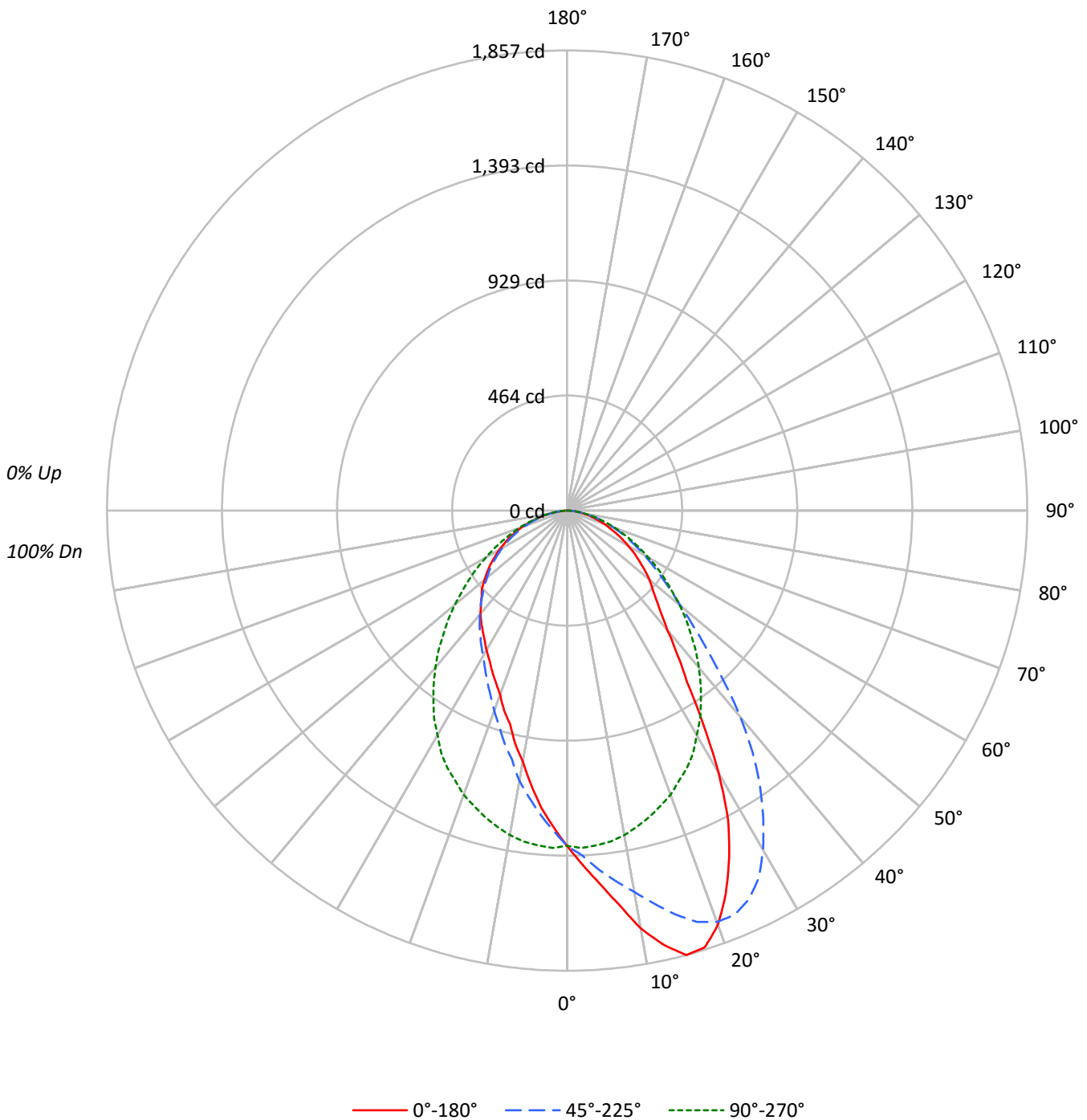
Input Watts (W): 34.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P242307

CATALOG NUMBER: S122DR-S865D930-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot





TEST NUMBER: P242307

CATALOG NUMBER: S122DR-S865D930-X4F0-XX-UDD-A-W

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 | 106 | 102 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | 86 |
| 2 | 101 | 94 | 87 | 82 | 98 | 92 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 74 |
| 3 | 93 | 83 | 76 | 70 | 90 | 82 | 75 | 69 | 79 | 73 | 68 | 76 | 71 | 67 | 74 | 69 | 66 | 64 |
| 4 | 86 | 75 | 66 | 60 | 83 | 73 | 66 | 60 | 71 | 64 | 59 | 69 | 63 | 58 | 66 | 62 | 58 | 55 |
| 5 | 79 | 67 | 59 | 53 | 77 | 66 | 58 | 52 | 64 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 51 | 49 |
| 6 | 74 | 61 | 53 | 47 | 72 | 60 | 52 | 46 | 58 | 51 | 46 | 57 | 51 | 46 | 55 | 50 | 45 | 43 |
| 7 | 69 | 56 | 48 | 42 | 67 | 55 | 47 | 42 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 39 |
| 8 | 64 | 51 | 43 | 38 | 63 | 51 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 35 |
| 9 | 60 | 47 | 39 | 34 | 59 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 32 |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 41 | 35 | 31 | 29 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 25768 | 25768 | 25768 |
| 5° | 28889 | 25937 | 22983 |
| 10° | 33105 | 25722 | 19891 |
| 15° | 36621 | 25251 | 17572 |
| 20° | 36063 | 24746 | 16019 |
| 25° | 32519 | 24073 | 15035 |
| 30° | 26873 | 22995 | 14316 |
| 35° | 19586 | 21869 | 13805 |
| 40° | 15643 | 20541 | 13522 |
| 45° | 13668 | 19004 | 13137 |
| 50° | 12849 | 17516 | 12878 |
| 55° | 11846 | 16007 | 12536 |
| 60° | 10853 | 14400 | 12004 |
| 65° | 9889 | 12958 | 11484 |
| 70° | 8978 | 11550 | 10715 |
| 75° | 7956 | 9987 | 9486 |
| 80° | 6845 | 8271 | 7645 |
| 85° | 6141 | 6141 | 4546 |



TEST NUMBER: P242307

CATALOG NUMBER: S122DR-S865D930-X4F0-XX-UDD-A-W

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 128.9 | 4.3 |
| 10°-20° | 375.0 | 12.6 |
| 20°-30° | 544.3 | 18.2 |
| 30°-40° | 573.8 | 19.2 |
| 40°-50° | 507.7 | 17.0 |
| 50°-60° | 405.3 | 13.6 |
| 60°-70° | 275.3 | 9.2 |
| 70°-80° | 140.9 | 4.7 |
| 80°-90° | 33.3 | 1.1 |
| 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° | 1048.2 | 35.1 |
| 0°-40° | 1622.0 | 54.3 |
| 0°-60° | 2534.9 | 84.9 |
| 0°-90° | 2984.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2984.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1353 | 1353 | 1353 | 1353 | 1353 | |
| 5° | 1511 | 1454 | 1356 | 1232 | 1202 | 150 |
| 15° | 1857 | 1687 | 1280 | 974 | 891 | 515 |
| 25° | 1547 | 1732 | 1145 | 762 | 715 | 702 |
| 35° | 842 | 1357 | 940 | 611 | 594 | 545 |
| 45° | 507 | 803 | 706 | 484 | 488 | 398 |
| 55° | 357 | 462 | 482 | 363 | 378 | 320 |
| 65° | 219 | 274 | 288 | 240 | 255 | 218 |
| 75° | 108 | 133 | 136 | 122 | 129 | 115 |
| 85° | 28 | 31 | 28 | 23 | 21 | 32 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P242307

CATALOG NUMBER: S122DR-S865D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 |
| 2.5° | 1430.8 | 1431.3 | 1432.4 | 1424.0 | 1423.0 | 1423.0 | 1415.7 | 1409.5 | 1402.2 | 1392.3 | 1393.4 |
| 5° | 1510.9 | 1516.6 | 1518.7 | 1512.4 | 1503.1 | 1502.0 | 1493.2 | 1478.6 | 1465.1 | 1454.2 | 1446.4 |
| 7.5° | 1603.4 | 1605.5 | 1601.3 | 1594.1 | 1587.8 | 1575.9 | 1561.3 | 1547.3 | 1526.5 | 1507.7 | 1494.2 |
| 10° | 1711.6 | 1714.7 | 1705.8 | 1693.9 | 1684.0 | 1669.4 | 1645.5 | 1621.1 | 1591.5 | 1562.9 | 1540.0 |
| 12.5° | 1793.7 | 1802.5 | 1790.6 | 1791.6 | 1772.9 | 1751.6 | 1721.9 | 1712.6 | 1667.9 | 1625.2 | 1600.3 |
| 15° | 1857.1 | 1856.6 | 1857.6 | 1847.8 | 1835.3 | 1832.2 | 1802.0 | 1769.3 | 1710.5 | 1687.1 | 1646.6 |
| 17.5° | 1847.8 | 1855.0 | 1859.2 | 1856.1 | 1854.0 | 1849.3 | 1836.3 | 1811.9 | 1779.7 | 1740.1 | 1691.8 |
| 20° | 1779.1 | 1789.5 | 1791.1 | 1803.1 | 1809.8 | 1818.7 | 1822.3 | 1816.6 | 1798.4 | 1766.7 | 1726.1 |
| 22.5° | 1673.1 | 1674.1 | 1679.8 | 1700.1 | 1716.7 | 1742.2 | 1755.7 | 1781.2 | 1777.1 | 1765.6 | 1733.4 |
| 25° | 1547.3 | 1542.1 | 1560.3 | 1569.6 | 1603.4 | 1638.8 | 1664.2 | 1692.3 | 1717.3 | 1732.3 | 1722.5 |
| 27.5° | 1407.9 | 1397.0 | 1424.6 | 1449.0 | 1472.9 | 1507.2 | 1545.7 | 1591.5 | 1626.3 | 1673.6 | 1685.0 |
| 30° | 1221.8 | 1226.5 | 1252.5 | 1279.0 | 1320.6 | 1374.6 | 1419.4 | 1470.8 | 1526.5 | 1581.1 | 1619.0 |
| 32.5° | 1021.1 | 1042.4 | 1056.5 | 1100.7 | 1136.0 | 1197.9 | 1268.6 | 1336.2 | 1409.0 | 1472.9 | 1536.9 |
| 35° | 842.3 | 863.1 | 885.9 | 915.6 | 967.0 | 1026.8 | 1090.8 | 1177.6 | 1272.2 | 1357.0 | 1426.6 |
| 37.5° | 728.9 | 725.3 | 739.3 | 761.2 | 805.3 | 856.8 | 932.7 | 1021.1 | 1134.4 | 1228.6 | 1322.1 |
| 40° | 629.1 | 627.0 | 636.4 | 656.1 | 687.8 | 723.2 | 787.7 | 863.1 | 966.5 | 1088.2 | 1205.2 |
| 42.5° | 560.5 | 562.5 | 566.7 | 579.2 | 598.4 | 626.0 | 670.2 | 731.5 | 824.1 | 936.9 | 1064.8 |
| 45° | 507.4 | 511.1 | 516.8 | 523.6 | 536.0 | 559.9 | 587.0 | 632.7 | 707.6 | 803.3 | 927.0 |
| 47.5° | 465.8 | 466.9 | 473.1 | 479.4 | 486.6 | 501.2 | 525.1 | 554.2 | 611.4 | 693.0 | 803.8 |
| 50° | 433.6 | 430.0 | 434.1 | 438.8 | 446.6 | 456.0 | 470.5 | 497.6 | 532.9 | 595.8 | 684.7 |
| 52.5° | 394.1 | 395.1 | 398.8 | 399.8 | 406.6 | 415.9 | 428.9 | 445.6 | 476.8 | 522.5 | 591.7 |
| 55° | 356.7 | 359.3 | 361.3 | 364.5 | 370.7 | 377.5 | 387.9 | 400.3 | 425.3 | 462.2 | 516.3 |
| 57.5° | 321.3 | 322.3 | 323.9 | 330.7 | 334.3 | 340.5 | 350.9 | 362.4 | 379.0 | 407.6 | 450.2 |
| 60° | 284.9 | 284.9 | 289.1 | 291.7 | 296.9 | 303.1 | 310.9 | 321.8 | 336.4 | 358.7 | 391.5 |
| 62.5° | 251.6 | 251.1 | 252.2 | 256.8 | 260.5 | 266.2 | 274.0 | 282.8 | 296.3 | 315.6 | 341.1 |
| 65° | 219.4 | 218.4 | 221.5 | 222.5 | 226.7 | 232.4 | 238.6 | 248.5 | 259.4 | 274.0 | 297.9 |
| 67.5° | 187.2 | 188.7 | 190.8 | 192.9 | 195.0 | 201.7 | 205.9 | 213.2 | 222.5 | 235.0 | 251.6 |
| 70° | 161.2 | 161.2 | 161.2 | 162.7 | 165.9 | 169.0 | 173.1 | 178.8 | 187.7 | 198.1 | 212.6 |
| 72.5° | 132.1 | 134.1 | 136.2 | 134.7 | 138.8 | 140.4 | 145.6 | 148.2 | 156.5 | 162.2 | 174.7 |
| 75° | 108.1 | 108.1 | 108.1 | 110.7 | 112.3 | 113.9 | 117.0 | 120.1 | 124.3 | 132.6 | 139.3 |
| 77.5° | 85.3 | 84.7 | 85.3 | 85.8 | 87.9 | 89.9 | 91.0 | 93.6 | 97.7 | 101.9 | 108.1 |
| 80° | 62.4 | 63.4 | 63.9 | 65.0 | 65.0 | 66.0 | 66.5 | 70.2 | 72.8 | 75.4 | 79.0 |
| 82.5° | 44.7 | 44.7 | 44.7 | 44.7 | 45.2 | 45.8 | 47.3 | 47.8 | 48.4 | 50.4 | 53.0 |
| 85° | 28.1 | 27.6 | 27.6 | 28.6 | 28.1 | 28.1 | 29.1 | 30.2 | 30.2 | 30.7 | 32.2 |
| 87.5° | 13.5 | 13.5 | 14.0 | 13.5 | 13.5 | 14.0 | 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 |



TEST NUMBER: P242307

CATALOG NUMBER: S122DR-S865D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 |
| 2.5° | 1397.0 | 1392.8 | 1390.2 | 1380.9 | 1372.6 | 1364.2 | 1361.6 | 1362.7 | 1351.3 | 1340.3 | 1335.7 |
| 5° | 1442.2 | 1431.8 | 1422.0 | 1407.9 | 1391.3 | 1373.1 | 1363.7 | 1356.5 | 1338.3 | 1318.5 | 1307.1 |
| 7.5° | 1483.3 | 1469.8 | 1452.1 | 1427.2 | 1404.3 | 1377.2 | 1360.6 | 1346.6 | 1321.1 | 1294.6 | 1278.5 |
| 10° | 1520.2 | 1499.9 | 1475.5 | 1443.3 | 1413.6 | 1378.8 | 1354.4 | 1329.9 | 1298.7 | 1265.5 | 1244.7 |
| 12.5° | 1551.9 | 1522.8 | 1498.9 | 1455.2 | 1418.8 | 1373.1 | 1342.9 | 1306.0 | 1272.7 | 1231.7 | 1211.4 |
| 15° | 1606.0 | 1555.6 | 1509.8 | 1463.0 | 1419.9 | 1359.1 | 1326.8 | 1280.5 | 1237.4 | 1188.5 | 1165.1 |
| 17.5° | 1646.0 | 1591.5 | 1520.7 | 1464.1 | 1416.2 | 1351.3 | 1305.0 | 1249.9 | 1201.0 | 1146.9 | 1115.7 |
| 20° | 1679.3 | 1614.3 | 1536.9 | 1466.2 | 1405.8 | 1328.9 | 1277.4 | 1220.8 | 1161.0 | 1098.1 | 1063.7 |
| 22.5° | 1699.1 | 1629.9 | 1553.5 | 1458.4 | 1385.0 | 1310.7 | 1242.6 | 1179.2 | 1118.3 | 1049.2 | 1012.8 |
| 25° | 1700.1 | 1637.7 | 1556.6 | 1454.7 | 1368.4 | 1283.7 | 1205.7 | 1145.4 | 1072.1 | 1008.6 | 956.1 |
| 27.5° | 1683.0 | 1633.6 | 1555.1 | 1447.4 | 1349.2 | 1251.9 | 1167.2 | 1101.2 | 1023.7 | 955.1 | 902.6 |
| 30° | 1645.0 | 1619.0 | 1543.1 | 1435.0 | 1325.3 | 1218.7 | 1123.0 | 1045.5 | 968.6 | 898.9 | 844.9 |
| 32.5° | 1586.3 | 1585.7 | 1521.3 | 1417.3 | 1299.8 | 1176.6 | 1076.7 | 998.2 | 910.9 | 842.8 | 791.8 |
| 35° | 1505.7 | 1530.6 | 1488.5 | 1389.2 | 1266.5 | 1137.0 | 1029.9 | 940.5 | 852.1 | 786.6 | 738.3 |
| 37.5° | 1403.2 | 1461.0 | 1444.3 | 1351.8 | 1223.9 | 1094.9 | 978.5 | 884.9 | 800.1 | 732.6 | 685.2 |
| 40° | 1296.7 | 1375.7 | 1387.1 | 1307.6 | 1178.1 | 1044.5 | 919.2 | 826.1 | 744.0 | 683.7 | 635.9 |
| 42.5° | 1182.3 | 1277.9 | 1314.3 | 1254.5 | 1128.2 | 991.5 | 866.2 | 768.9 | 687.8 | 629.6 | 588.5 |
| 45° | 1051.8 | 1174.0 | 1230.6 | 1194.2 | 1071.5 | 932.2 | 803.3 | 705.5 | 631.7 | 576.6 | 543.8 |
| 47.5° | 933.8 | 1066.3 | 1138.6 | 1121.5 | 1010.7 | 872.4 | 745.0 | 649.9 | 576.6 | 531.9 | 501.2 |
| 50° | 806.9 | 944.2 | 1036.2 | 1040.3 | 944.2 | 807.4 | 679.5 | 591.1 | 525.1 | 484.0 | 460.1 |
| 52.5° | 696.7 | 826.1 | 928.6 | 955.1 | 869.8 | 739.8 | 620.8 | 532.9 | 476.8 | 439.8 | 419.0 |
| 55° | 603.6 | 714.4 | 825.6 | 866.2 | 796.0 | 671.2 | 559.4 | 482.0 | 427.4 | 401.4 | 382.7 |
| 57.5° | 515.2 | 612.5 | 718.0 | 760.6 | 715.9 | 606.2 | 498.1 | 430.0 | 383.7 | 360.3 | 345.7 |
| 60° | 448.2 | 521.0 | 612.5 | 666.0 | 628.6 | 533.4 | 441.9 | 378.0 | 341.6 | 321.3 | 307.8 |
| 62.5° | 385.8 | 448.2 | 522.0 | 569.8 | 553.7 | 465.3 | 385.8 | 331.2 | 301.0 | 282.3 | 273.5 |
| 65° | 328.6 | 379.5 | 439.3 | 484.6 | 471.0 | 402.9 | 335.9 | 287.5 | 262.6 | 247.5 | 239.7 |
| 67.5° | 279.7 | 318.7 | 361.3 | 402.9 | 391.5 | 341.1 | 284.4 | 245.4 | 226.2 | 212.6 | 208.0 |
| 70° | 234.0 | 262.0 | 298.9 | 330.7 | 321.8 | 282.3 | 239.7 | 207.4 | 191.3 | 180.4 | 175.7 |
| 72.5° | 190.3 | 212.1 | 238.1 | 262.6 | 257.4 | 226.2 | 192.4 | 170.0 | 158.6 | 148.7 | 145.1 |
| 75° | 150.3 | 167.9 | 185.1 | 202.2 | 200.7 | 175.2 | 154.4 | 135.7 | 125.8 | 118.0 | 116.5 |
| 77.5° | 117.5 | 128.4 | 140.9 | 151.8 | 149.2 | 132.6 | 115.4 | 104.0 | 96.2 | 91.0 | 90.5 |
| 80° | 84.7 | 90.5 | 98.8 | 106.1 | 102.4 | 96.2 | 83.2 | 75.4 | 70.2 | 65.0 | 62.9 |
| 82.5° | 55.6 | 61.3 | 65.5 | 68.6 | 66.0 | 60.3 | 53.6 | 48.9 | 46.3 | 43.2 | 42.6 |
| 85° | 32.2 | 35.4 | 37.4 | 38.5 | 37.4 | 33.8 | 30.2 | 28.1 | 25.5 | 23.9 | 23.4 |
| 87.5° | 15.6 | 15.6 | 15.6 | 16.6 | 15.1 | 15.1 | 13.0 | 11.4 | 10.9 | 10.4 | 9.4 |
| 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: P242307

CATALOG NUMBER: S122DR-S865D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 | 1352.8 |
| 2.5° | 1330.5 | 1327.3 | 1316.4 | 1310.7 | 1301.3 | 1292.5 | 1286.8 | 1289.4 | 1291.5 | 1290.4 | 1288.9 |
| 5° | 1296.7 | 1286.8 | 1271.7 | 1258.7 | 1249.3 | 1232.2 | 1224.9 | 1221.3 | 1218.2 | 1214.5 | 1210.9 |
| 7.5° | 1259.2 | 1245.2 | 1223.9 | 1207.2 | 1190.6 | 1168.8 | 1157.8 | 1151.6 | 1144.8 | 1137.0 | 1129.8 |
| 10° | 1218.7 | 1196.8 | 1174.0 | 1148.0 | 1127.2 | 1107.9 | 1090.8 | 1079.3 | 1068.9 | 1059.1 | 1051.8 |
| 12.5° | 1176.0 | 1150.0 | 1120.4 | 1082.5 | 1059.1 | 1029.4 | 1030.5 | 1008.1 | 990.4 | 985.2 | 976.4 |
| 15° | 1130.3 | 1094.9 | 1059.1 | 1016.9 | 998.8 | 973.8 | 958.2 | 942.6 | 928.6 | 918.7 | 916.1 |
| 17.5° | 1080.4 | 1033.1 | 998.2 | 967.0 | 937.4 | 911.9 | 898.4 | 885.9 | 874.0 | 859.4 | 858.9 |
| 20° | 1021.6 | 982.1 | 943.1 | 916.6 | 885.9 | 859.9 | 842.3 | 829.8 | 819.9 | 812.1 | 805.3 |
| 22.5° | 966.0 | 921.8 | 887.0 | 857.3 | 827.2 | 807.4 | 794.4 | 782.5 | 774.7 | 765.8 | 759.6 |
| 25° | 905.7 | 871.9 | 832.9 | 800.1 | 775.2 | 761.7 | 750.2 | 739.8 | 734.6 | 728.9 | 721.6 |
| 27.5° | 854.2 | 816.8 | 778.3 | 752.8 | 730.0 | 718.0 | 709.2 | 701.4 | 696.7 | 693.0 | 688.4 |
| 30° | 799.1 | 761.2 | 732.6 | 707.6 | 689.4 | 677.4 | 672.2 | 668.1 | 662.4 | 660.3 | 658.2 |
| 32.5° | 746.1 | 712.8 | 689.4 | 668.6 | 651.4 | 644.7 | 640.0 | 636.4 | 632.2 | 630.1 | 625.5 |
| 35° | 696.7 | 668.1 | 644.2 | 632.2 | 618.2 | 611.4 | 607.8 | 602.6 | 598.4 | 596.3 | 595.8 |
| 37.5° | 649.4 | 623.4 | 607.3 | 591.1 | 584.4 | 580.7 | 575.5 | 571.9 | 570.3 | 569.8 | 569.3 |
| 40° | 603.6 | 583.3 | 569.3 | 556.8 | 554.2 | 548.0 | 543.8 | 540.7 | 540.7 | 541.2 | 540.7 |
| 42.5° | 562.0 | 544.3 | 532.4 | 522.0 | 518.9 | 515.8 | 511.6 | 512.1 | 513.2 | 515.2 | 513.2 |
| 45° | 519.9 | 506.9 | 498.1 | 492.9 | 487.2 | 483.5 | 483.0 | 484.6 | 485.1 | 485.6 | 487.2 |
| 47.5° | 480.4 | 472.1 | 463.8 | 457.5 | 454.9 | 454.4 | 453.4 | 456.0 | 458.6 | 459.1 | 461.7 |
| 50° | 446.1 | 436.2 | 429.4 | 425.8 | 423.7 | 422.7 | 423.7 | 426.8 | 428.9 | 431.5 | 433.1 |
| 52.5° | 407.6 | 401.4 | 397.2 | 394.6 | 394.1 | 395.1 | 395.1 | 398.8 | 402.4 | 402.9 | 403.5 |
| 55° | 372.8 | 367.6 | 366.5 | 361.9 | 363.9 | 363.4 | 366.0 | 368.1 | 371.2 | 374.3 | 374.9 |
| 57.5° | 337.4 | 332.7 | 329.6 | 330.1 | 330.7 | 332.7 | 334.8 | 338.5 | 342.1 | 345.7 | 345.7 |
| 60° | 302.1 | 300.0 | 298.4 | 298.4 | 299.5 | 302.6 | 305.2 | 308.8 | 310.9 | 313.0 | 314.5 |
| 62.5° | 269.8 | 267.8 | 266.2 | 267.2 | 270.4 | 271.9 | 275.0 | 276.6 | 278.7 | 280.8 | 281.3 |
| 65° | 235.5 | 234.5 | 236.0 | 237.1 | 237.6 | 240.2 | 243.8 | 245.4 | 247.5 | 248.5 | 252.2 |
| 67.5° | 204.3 | 204.3 | 203.8 | 205.4 | 208.5 | 209.0 | 212.6 | 216.8 | 216.8 | 218.9 | 221.5 |
| 70° | 172.6 | 173.7 | 174.7 | 175.7 | 178.3 | 179.4 | 182.0 | 183.5 | 185.6 | 187.2 | 188.7 |
| 72.5° | 143.5 | 143.5 | 144.5 | 144.0 | 146.1 | 148.7 | 150.8 | 152.3 | 154.4 | 156.5 | 158.1 |
| 75° | 114.9 | 114.9 | 115.9 | 116.5 | 119.1 | 121.7 | 121.1 | 122.2 | 124.3 | 126.3 | 127.4 |
| 77.5° | 88.9 | 87.9 | 88.9 | 89.4 | 90.5 | 92.5 | 93.1 | 94.6 | 97.2 | 96.7 | 97.7 |
| 80° | 63.9 | 62.4 | 63.9 | 64.5 | 64.5 | 67.1 | 67.1 | 68.1 | 69.7 | 68.1 | 69.7 |
| 82.5° | 41.1 | 40.6 | 41.6 | 41.6 | 42.6 | 42.1 | 43.2 | 43.2 | 44.7 | 44.2 | 44.7 |
| 85° | 22.9 | 22.4 | 22.9 | 22.4 | 22.9 | 23.4 | 23.4 | 22.9 | 22.9 | 23.9 | 22.4 |
| 87.5° | 8.8 | 8.3 | 7.8 | 7.8 | 7.3 | 6.8 | 6.2 | 6.2 | 6.2 | 5.2 | 5.2 |
| 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: P242307

CATALOG NUMBER: S122DR-S865D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1352.8 | 1352.8 | 1352.8 | 1352.8 |
| 2.5° | 1283.7 | 1282.6 | 1282.6 | 1277.9 |
| 5° | 1203.6 | 1202.0 | 1199.4 | 1202.0 |
| 7.5° | 1127.7 | 1120.9 | 1119.9 | 1114.7 |
| 10° | 1042.9 | 1038.8 | 1038.3 | 1028.4 |
| 12.5° | 978.5 | 967.0 | 969.6 | 965.0 |
| 15° | 902.0 | 902.0 | 900.0 | 891.1 |
| 17.5° | 847.5 | 846.9 | 842.3 | 845.4 |
| 20° | 799.6 | 796.5 | 790.3 | 790.3 |
| 22.5° | 754.4 | 754.9 | 748.2 | 750.8 |
| 25° | 721.1 | 717.0 | 713.8 | 715.4 |
| 27.5° | 686.8 | 685.2 | 684.7 | 680.0 |
| 30° | 657.7 | 652.5 | 653.5 | 650.9 |
| 32.5° | 624.4 | 623.4 | 621.8 | 619.7 |
| 35° | 594.8 | 595.3 | 592.7 | 593.7 |
| 37.5° | 568.3 | 570.3 | 568.8 | 568.8 |
| 40° | 542.3 | 542.3 | 542.3 | 543.8 |
| 42.5° | 517.3 | 516.3 | 515.2 | 514.7 |
| 45° | 488.2 | 489.8 | 490.3 | 487.7 |
| 47.5° | 462.7 | 463.2 | 462.7 | 465.8 |
| 50° | 435.7 | 434.6 | 435.7 | 434.6 |
| 52.5° | 407.1 | 407.6 | 406.6 | 406.6 |
| 55° | 376.9 | 378.0 | 377.5 | 377.5 |
| 57.5° | 346.3 | 346.8 | 347.8 | 345.2 |
| 60° | 314.0 | 316.6 | 316.1 | 315.1 |
| 62.5° | 284.4 | 284.9 | 284.9 | 284.9 |
| 65° | 253.7 | 254.8 | 253.2 | 254.8 |
| 67.5° | 220.4 | 221.0 | 222.0 | 222.5 |
| 70° | 189.8 | 189.2 | 190.8 | 192.4 |
| 72.5° | 157.5 | 159.1 | 158.1 | 159.1 |
| 75° | 126.3 | 127.9 | 127.4 | 128.9 |
| 77.5° | 96.7 | 97.2 | 97.2 | 97.7 |
| 80° | 69.7 | 68.6 | 67.6 | 69.7 |
| 82.5° | 43.2 | 44.2 | 43.2 | 42.6 |
| 85° | 22.4 | 21.8 | 20.8 | 20.8 |
| 87.5° | 5.2 | 4.7 | 4.7 | 4.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)