

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: P332988-927

Luminaire Tested: **S124RDIP-S1195D365U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332988-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S1195D365U927-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4975.9 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

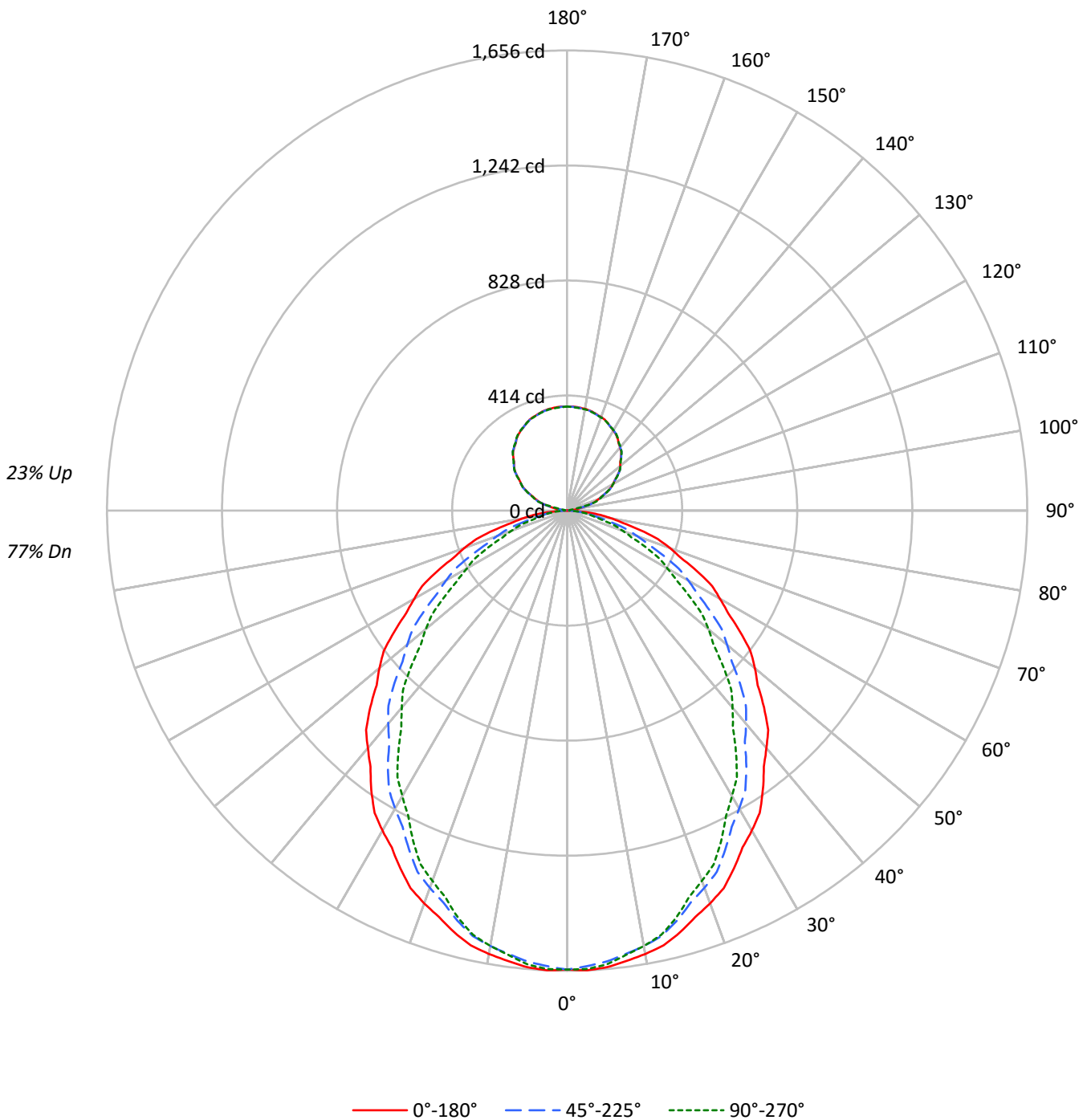
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332988-927

CATALOG NUMBER: S124RDIP-S1195D365U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332988-927

CATALOG NUMBER: S124RDIP-S1195D365U927-4F0-1E-UDD-F

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 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 108 | 98 | 98 | 98 | 89 | 89 | 89 | 81 | 81 | 81 | 77 | | | | |
| 1 | 104 | 100 | 96 | 92 | 99 | 95 | 92 | 89 | 87 | 84 | 82 | 79 | 77 | 75 | 72 | 70 | 69 | 66 | | | | |
| 2 | 95 | 88 | 82 | 76 | 91 | 84 | 78 | 74 | 77 | 72 | 68 | 70 | 67 | 63 | 64 | 61 | 59 | 56 | | | | |
| 3 | 87 | 78 | 70 | 64 | 83 | 74 | 67 | 62 | 68 | 63 | 58 | 62 | 58 | 54 | 57 | 53 | 50 | 47 | | | | |
| 4 | 80 | 69 | 61 | 55 | 76 | 66 | 59 | 53 | 61 | 55 | 50 | 56 | 51 | 47 | 51 | 47 | 44 | 41 | | | | |
| 5 | 74 | 62 | 53 | 47 | 70 | 59 | 52 | 46 | 55 | 48 | 43 | 50 | 45 | 41 | 46 | 42 | 38 | 36 | | | | |
| 6 | 68 | 56 | 47 | 41 | 65 | 54 | 46 | 40 | 50 | 43 | 38 | 46 | 40 | 36 | 42 | 38 | 34 | 32 | | | | |
| 7 | 63 | 51 | 42 | 37 | 60 | 49 | 41 | 36 | 45 | 39 | 34 | 42 | 36 | 32 | 39 | 34 | 30 | 28 | | | | |
| 8 | 59 | 46 | 38 | 33 | 56 | 45 | 37 | 32 | 41 | 35 | 30 | 38 | 33 | 29 | 36 | 31 | 27 | 25 | | | | |
| 9 | 55 | 42 | 35 | 29 | 52 | 41 | 34 | 29 | 38 | 32 | 27 | 35 | 30 | 26 | 33 | 28 | 25 | 23 | | | | |
| 10 | 52 | 39 | 32 | 27 | 49 | 38 | 31 | 26 | 35 | 29 | 25 | 33 | 28 | 24 | 31 | 26 | 23 | 21 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 13337 | 13337 | 13337 |
| 5° | 13367 | 13203 | 13285 |
| 10° | 13283 | 13045 | 13045 |
| 15° | 13131 | 12771 | 12676 |
| 20° | 12921 | 12411 | 12182 |
| 25° | 12653 | 11989 | 11685 |
| 30° | 12393 | 11544 | 11060 |
| 35° | 12105 | 11083 | 10435 |
| 40° | 11758 | 10559 | 9759 |
| 45° | 11439 | 10038 | 9070 |
| 50° | 11074 | 9437 | 8341 |
| 55° | 10683 | 8812 | 7548 |
| 60° | 10253 | 8128 | 6739 |
| 65° | 9859 | 7272 | 5945 |
| 70° | 9286 | 6331 | 5046 |
| 75° | 8562 | 5250 | 4105 |
| 80° | 7471 | 3998 | 3766 |
| 85° | 6326 | 3631 | 3399 |



TEST NUMBER: P332988-927

CATALOG NUMBER: S124RDIP-S1195D365U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 155.2 | 3.1 |
| 10°-20° | 432.8 | 8.7 |
| 20°-30° | 624.9 | 12.6 |
| 30°-40° | 708.3 | 14.2 |
| 40°-50° | 684.0 | 13.7 |
| 50°-60° | 568.8 | 11.4 |
| 60°-70° | 392.8 | 7.9 |
| 70°-80° | 199.1 | 4.0 |
| 80°-90° | 52.2 | 1.0 |
| 90°-100° | 12.8 | 0.3 |
| 100°-110° | 81.6 | 1.6 |
| 110°-120° | 156.1 | 3.1 |
| 120°-130° | 198.2 | 4.0 |
| 130°-140° | 212.1 | 4.3 |
| 140°-150° | 198.3 | 4.0 |
| 150°-160° | 159.9 | 3.2 |
| 160°-170° | 103.2 | 2.1 |
| 170°-180° | 35.6 | 0.7 |
| 0°-30° | 1212.9 | 24.4 |
| 0°-40° | 1921.2 | 38.6 |
| 0°-60° | 3174.0 | 63.8 |
| 0°-90° | 3818.0 | 76.7 |
| 90°-120° | 250.6 | 5.0 |
| 90°-150° | 859.2 | 17.3 |
| 90°-180° | 1158.0 | 23.3 |
| 0°-180° | 4975.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1652 | 1652 | 1652 | 1652 | 1652 | |
| 5° | 1650 | 1644 | 1629 | 1641 | 1639 | 156 |
| 15° | 1571 | 1559 | 1528 | 1525 | 1517 | 442 |
| 25° | 1420 | 1396 | 1346 | 1325 | 1312 | 654 |
| 35° | 1228 | 1186 | 1125 | 1083 | 1059 | 767 |
| 45° | 1002 | 953 | 879 | 819 | 794 | 772 |
| 55° | 759 | 707 | 626 | 563 | 536 | 679 |
| 65° | 516 | 460 | 381 | 328 | 311 | 509 |
| 75° | 274 | 227 | 168 | 140 | 132 | 290 |
| 85° | 68 | 44 | 39 | 37 | 37 | 77 |
| 90° | 1 | 4 | 6 | 8 | 8 | 4 |
| 95° | 15 | 6 | 6 | 8 | 8 | 20 |
| 105° | 84 | 86 | 87 | 89 | 80 | 88 |
| 115° | 157 | 158 | 158 | 158 | 158 | 155 |
| 125° | 221 | 222 | 222 | 222 | 223 | 197 |
| 135° | 274 | 274 | 275 | 276 | 276 | 211 |
| 145° | 316 | 317 | 317 | 317 | 318 | 198 |
| 155° | 347 | 347 | 346 | 347 | 347 | 160 |
| 165° | 366 | 365 | 364 | 366 | 364 | 103 |
| 175° | 374 | 373 | 373 | 375 | 372 | 36 |
| 180° | 374 | 374 | 374 | 374 | 374 | |



TEST NUMBER: P332988-927

CATALOG NUMBER: S124RDIP-S1195D365U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 |
| 2.5° | 1656.1 | 1655.2 | 1654.3 | 1653.4 | 1652.5 | 1650.8 | 1648.4 | 1645.8 | 1643.4 | 1640.9 | 1643.4 |
| 5° | 1649.5 | 1648.4 | 1647.3 | 1646.2 | 1645.0 | 1642.7 | 1639.4 | 1636.0 | 1632.7 | 1629.3 | 1632.1 |
| 7.5° | 1634.6 | 1633.4 | 1632.2 | 1631.0 | 1629.8 | 1627.1 | 1622.7 | 1618.3 | 1613.9 | 1609.6 | 1611.4 |
| 10° | 1620.4 | 1619.0 | 1617.6 | 1616.2 | 1614.8 | 1611.5 | 1606.5 | 1601.5 | 1596.4 | 1591.3 | 1592.4 |
| 12.5° | 1602.2 | 1600.6 | 1598.9 | 1597.3 | 1595.7 | 1591.9 | 1585.9 | 1580.0 | 1574.0 | 1568.0 | 1568.8 |
| 15° | 1571.1 | 1568.5 | 1566.1 | 1563.5 | 1561.0 | 1556.2 | 1549.2 | 1542.1 | 1535.1 | 1528.0 | 1527.5 |
| 17.5° | 1533.4 | 1529.7 | 1526.1 | 1522.4 | 1518.8 | 1512.8 | 1504.3 | 1495.9 | 1487.4 | 1479.0 | 1477.4 |
| 20° | 1504.0 | 1500.4 | 1496.7 | 1493.1 | 1489.5 | 1482.8 | 1473.3 | 1463.7 | 1454.1 | 1444.6 | 1442.3 |
| 22.5° | 1471.6 | 1467.6 | 1463.5 | 1459.4 | 1455.2 | 1448.1 | 1437.8 | 1427.6 | 1417.4 | 1407.2 | 1403.7 |
| 25° | 1420.5 | 1415.5 | 1410.4 | 1405.4 | 1400.3 | 1392.0 | 1380.5 | 1369.0 | 1357.5 | 1345.9 | 1341.2 |
| 27.5° | 1366.9 | 1360.6 | 1354.2 | 1347.9 | 1341.5 | 1332.2 | 1319.9 | 1307.6 | 1295.2 | 1282.9 | 1277.0 |
| 30° | 1329.5 | 1322.5 | 1315.4 | 1308.4 | 1301.4 | 1291.3 | 1278.0 | 1264.8 | 1251.6 | 1238.4 | 1231.4 |
| 32.5° | 1290.0 | 1282.1 | 1274.1 | 1266.2 | 1258.3 | 1247.5 | 1233.8 | 1220.2 | 1206.5 | 1192.9 | 1184.7 |
| 35° | 1228.3 | 1219.2 | 1210.3 | 1201.3 | 1192.3 | 1180.7 | 1166.7 | 1152.7 | 1138.6 | 1124.6 | 1115.0 |
| 37.5° | 1162.3 | 1152.9 | 1143.7 | 1134.4 | 1125.1 | 1112.7 | 1097.2 | 1081.6 | 1066.0 | 1050.4 | 1039.7 |
| 40° | 1115.7 | 1106.4 | 1097.2 | 1087.9 | 1078.6 | 1066.0 | 1050.0 | 1033.9 | 1017.9 | 1001.9 | 990.1 |
| 42.5° | 1071.2 | 1061.4 | 1051.7 | 1042.0 | 1032.3 | 1019.1 | 1002.3 | 985.6 | 969.0 | 952.3 | 940.2 |
| 45° | 1001.9 | 991.4 | 981.0 | 970.7 | 960.3 | 946.6 | 929.8 | 912.9 | 896.0 | 879.2 | 865.4 |
| 47.5° | 930.3 | 919.5 | 908.8 | 898.0 | 887.3 | 873.1 | 855.6 | 838.0 | 820.5 | 803.0 | 788.7 |
| 50° | 881.7 | 870.7 | 859.8 | 848.8 | 837.8 | 823.3 | 805.3 | 787.3 | 769.4 | 751.4 | 737.4 |
| 52.5° | 832.1 | 821.3 | 810.6 | 799.9 | 789.2 | 774.5 | 756.1 | 737.7 | 719.2 | 700.8 | 686.5 |
| 55° | 759.0 | 747.7 | 736.5 | 725.2 | 714.0 | 699.3 | 681.0 | 662.7 | 644.4 | 626.1 | 611.6 |
| 57.5° | 686.6 | 674.9 | 663.2 | 651.6 | 639.8 | 625.0 | 607.0 | 589.0 | 571.0 | 553.0 | 538.2 |
| 60° | 635.0 | 623.8 | 612.5 | 601.3 | 590.0 | 575.4 | 557.5 | 539.5 | 521.4 | 503.4 | 488.9 |
| 62.5° | 588.4 | 576.8 | 565.1 | 553.4 | 541.7 | 526.6 | 508.2 | 489.7 | 471.3 | 452.9 | 439.3 |
| 65° | 516.1 | 504.0 | 491.9 | 479.8 | 467.8 | 452.7 | 434.7 | 416.8 | 398.8 | 380.7 | 368.7 |
| 67.5° | 440.9 | 429.4 | 417.8 | 406.2 | 394.7 | 380.5 | 363.8 | 347.1 | 330.4 | 313.7 | 303.3 |
| 70° | 393.4 | 381.6 | 369.8 | 358.0 | 346.2 | 332.2 | 316.2 | 300.2 | 284.2 | 268.2 | 258.9 |
| 72.5° | 342.8 | 332.2 | 321.5 | 310.8 | 300.1 | 287.2 | 272.0 | 256.9 | 241.8 | 226.6 | 218.7 |
| 75° | 274.5 | 264.1 | 253.7 | 243.3 | 232.9 | 221.1 | 207.9 | 194.6 | 181.5 | 168.3 | 161.8 |
| 77.5° | 205.2 | 196.4 | 187.5 | 178.7 | 169.8 | 160.1 | 149.4 | 138.8 | 128.1 | 117.4 | 113.6 |
| 80° | 160.7 | 152.5 | 144.3 | 136.2 | 128.0 | 119.8 | 111.3 | 102.9 | 94.4 | 86.0 | 85.2 |
| 82.5° | 122.2 | 114.7 | 107.3 | 99.7 | 92.3 | 86.1 | 81.3 | 76.4 | 71.6 | 66.8 | 66.1 |
| 85° | 68.3 | 62.7 | 57.0 | 51.4 | 45.8 | 42.6 | 41.7 | 40.9 | 40.1 | 39.2 | 38.7 |
| 87.5° | 23.4 | 21.8 | 20.1 | 18.5 | 16.8 | 15.9 | 15.8 | 15.7 | 15.5 | 15.4 | 15.2 |
| 90° | 0.9 | 1.5 | 2.2 | 2.9 | 3.6 | 4.2 | 4.7 | 5.1 | 5.6 | 6.2 | 6.5 |
| 92.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 4.0 | 4.4 | 4.9 | 5.5 | 5.9 | 6.3 |
| 95° | 15.4 | 13.3 | 11.2 | 9.0 | 7.0 | 5.9 | 5.9 | 6.0 | 6.1 | 6.2 | 6.5 |
| 97.5° | 32.7 | 34.0 | 35.3 | 36.7 | 37.9 | 35.2 | 28.2 | 21.3 | 14.3 | 7.4 | 7.4 |
| 100° | 45.9 | 47.1 | 48.2 | 49.3 | 50.4 | 46.7 | 38.1 | 29.5 | 20.9 | 12.4 | 11.2 |
| 102.5° | 60.7 | 61.6 | 62.3 | 63.1 | 64.0 | 63.8 | 62.7 | 61.6 | 60.4 | 59.3 | 47.9 |
| 105° | 84.3 | 84.6 | 85.0 | 85.4 | 85.8 | 86.1 | 86.4 | 86.7 | 87.1 | 87.4 | 87.9 |
| 107.5° | 106.2 | 106.3 | 106.5 | 106.7 | 106.9 | 107.2 | 107.7 | 108.1 | 108.4 | 108.9 | 109.2 |
| 110° | 121.0 | 121.1 | 121.3 | 121.5 | 121.7 | 122.0 | 122.3 | 122.7 | 123.1 | 123.5 | 123.6 |



TEST NUMBER: P332988-927

CATALOG NUMBER: S124RDIP-S1195D365U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 135.3 | 135.6 | 135.9 | 136.3 | 136.7 | 136.9 | 137.0 | 137.2 | 137.4 | 137.6 | 137.5 |
| 115° | 157.3 | 157.6 | 157.7 | 157.9 | 158.1 | 158.1 | 158.1 | 158.0 | 158.0 | 157.9 | 158.0 |
| 117.5° | 177.2 | 177.4 | 177.7 | 178.0 | 178.2 | 178.4 | 178.6 | 178.7 | 178.8 | 179.0 | 179.0 |
| 120° | 190.7 | 190.9 | 191.2 | 191.4 | 191.6 | 191.7 | 191.7 | 191.6 | 191.5 | 191.5 | 191.6 |
| 122.5° | 203.2 | 203.4 | 203.5 | 203.7 | 203.8 | 203.9 | 204.0 | 204.1 | 204.1 | 204.3 | 204.3 |
| 125° | 221.2 | 221.4 | 221.7 | 221.9 | 222.2 | 222.2 | 222.1 | 222.0 | 221.9 | 221.7 | 221.9 |
| 127.5° | 238.2 | 238.3 | 238.3 | 238.4 | 238.4 | 238.6 | 238.9 | 239.2 | 239.5 | 239.8 | 239.7 |
| 130° | 249.1 | 249.2 | 249.3 | 249.4 | 249.5 | 249.5 | 249.7 | 249.9 | 250.1 | 250.3 | 250.3 |
| 132.5° | 259.3 | 259.4 | 259.4 | 259.6 | 259.7 | 259.8 | 260.1 | 260.3 | 260.5 | 260.8 | 260.9 |
| 135° | 274.3 | 274.3 | 274.3 | 274.2 | 274.1 | 274.2 | 274.5 | 274.7 | 275.0 | 275.2 | 275.4 |
| 137.5° | 287.7 | 287.8 | 287.8 | 287.8 | 287.9 | 288.0 | 288.3 | 288.5 | 288.8 | 289.1 | 289.2 |
| 140° | 296.5 | 296.6 | 296.8 | 296.8 | 297.0 | 297.1 | 297.2 | 297.4 | 297.5 | 297.6 | 297.8 |
| 142.5° | 304.4 | 304.5 | 304.8 | 305.0 | 305.2 | 305.4 | 305.5 | 305.5 | 305.6 | 305.7 | 305.8 |
| 145° | 316.4 | 316.6 | 316.7 | 317.0 | 317.1 | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 | 317.3 |
| 147.5° | 325.9 | 326.3 | 326.6 | 327.0 | 327.3 | 327.5 | 327.4 | 327.3 | 327.3 | 327.3 | 327.3 |
| 150° | 332.9 | 333.1 | 333.4 | 333.7 | 333.9 | 334.0 | 333.9 | 333.8 | 333.7 | 333.7 | 333.7 |
| 152.5° | 338.7 | 338.9 | 339.1 | 339.3 | 339.5 | 339.5 | 339.5 | 339.3 | 339.2 | 339.1 | 339.2 |
| 155° | 346.9 | 347.0 | 347.0 | 347.1 | 347.1 | 347.1 | 346.9 | 346.7 | 346.5 | 346.3 | 346.6 |
| 157.5° | 353.8 | 353.7 | 353.7 | 353.6 | 353.6 | 353.5 | 353.3 | 353.1 | 352.8 | 352.7 | 353.0 |
| 160° | 357.8 | 357.6 | 357.4 | 357.3 | 357.0 | 357.0 | 356.9 | 356.8 | 356.7 | 356.6 | 357.0 |
| 162.5° | 361.4 | 361.2 | 360.9 | 360.7 | 360.4 | 360.3 | 360.2 | 360.1 | 360.1 | 360.0 | 360.4 |
| 165° | 365.9 | 365.6 | 365.3 | 365.0 | 364.6 | 364.5 | 364.5 | 364.5 | 364.5 | 364.5 | 365.0 |
| 167.5° | 369.5 | 369.2 | 368.8 | 368.5 | 368.2 | 368.0 | 368.0 | 368.0 | 367.9 | 367.9 | 368.4 |
| 170° | 371.5 | 371.1 | 370.7 | 370.4 | 370.0 | 369.9 | 369.9 | 370.0 | 370.0 | 370.1 | 370.6 |
| 172.5° | 372.9 | 372.5 | 372.1 | 371.8 | 371.4 | 371.2 | 371.3 | 371.4 | 371.4 | 371.5 | 371.9 |
| 175° | 374.3 | 373.9 | 373.6 | 373.2 | 372.8 | 372.6 | 372.7 | 372.8 | 372.9 | 372.9 | 373.5 |
| 177.5° | 375.0 | 374.6 | 374.3 | 373.9 | 373.6 | 373.4 | 373.6 | 373.7 | 373.8 | 373.8 | 374.3 |
| 180° | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 |



TEST NUMBER: P332988-927

CATALOG NUMBER: S124RDIP-S1195D365U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 | 1652.0 |
| 2.5° | 1645.8 | 1648.4 | 1650.8 | 1651.9 | 1651.7 | 1651.5 | 1651.2 | 1651.1 |
| 5° | 1634.9 | 1637.7 | 1640.5 | 1641.6 | 1641.1 | 1640.5 | 1640.0 | 1639.4 |
| 7.5° | 1613.1 | 1614.9 | 1616.8 | 1617.2 | 1616.3 | 1615.4 | 1614.5 | 1613.6 |
| 10° | 1593.6 | 1594.7 | 1595.9 | 1595.9 | 1594.7 | 1593.6 | 1592.4 | 1591.3 |
| 12.5° | 1569.4 | 1570.1 | 1570.7 | 1570.3 | 1568.8 | 1567.2 | 1565.6 | 1564.0 |
| 15° | 1526.9 | 1526.4 | 1525.8 | 1524.6 | 1522.6 | 1520.6 | 1518.7 | 1516.7 |
| 17.5° | 1475.8 | 1474.3 | 1472.7 | 1470.4 | 1467.4 | 1464.4 | 1461.5 | 1458.5 |
| 20° | 1440.1 | 1437.8 | 1435.6 | 1432.7 | 1429.0 | 1425.4 | 1421.7 | 1418.0 |
| 22.5° | 1400.4 | 1397.0 | 1393.7 | 1390.5 | 1387.5 | 1384.5 | 1381.6 | 1378.6 |
| 25° | 1336.3 | 1331.6 | 1326.8 | 1323.0 | 1320.2 | 1317.4 | 1314.5 | 1311.8 |
| 27.5° | 1271.1 | 1265.2 | 1259.3 | 1254.3 | 1250.3 | 1246.3 | 1242.2 | 1238.2 |
| 30° | 1224.3 | 1217.3 | 1210.3 | 1204.5 | 1200.0 | 1195.6 | 1191.0 | 1186.5 |
| 32.5° | 1176.5 | 1168.4 | 1160.2 | 1154.1 | 1149.8 | 1145.5 | 1141.2 | 1136.9 |
| 35° | 1105.4 | 1095.9 | 1086.3 | 1079.0 | 1074.0 | 1068.9 | 1063.8 | 1058.8 |
| 37.5° | 1029.0 | 1018.4 | 1007.7 | 999.8 | 994.7 | 989.7 | 984.7 | 979.6 |
| 40° | 978.3 | 966.5 | 954.7 | 946.2 | 941.1 | 936.0 | 931.1 | 926.0 |
| 42.5° | 928.2 | 916.2 | 904.1 | 895.5 | 890.2 | 884.9 | 879.6 | 874.3 |
| 45° | 851.6 | 837.8 | 824.0 | 814.6 | 809.6 | 804.5 | 799.5 | 794.4 |
| 47.5° | 774.4 | 760.2 | 745.9 | 735.9 | 730.4 | 724.8 | 719.2 | 713.7 |
| 50° | 723.3 | 709.2 | 695.1 | 685.5 | 680.2 | 674.8 | 669.5 | 664.1 |
| 52.5° | 672.2 | 658.0 | 643.6 | 633.7 | 628.2 | 622.7 | 617.0 | 611.5 |
| 55° | 596.9 | 582.3 | 567.7 | 557.7 | 552.4 | 547.0 | 541.7 | 536.3 |
| 57.5° | 523.4 | 508.5 | 493.7 | 484.3 | 480.2 | 476.1 | 472.1 | 468.0 |
| 60° | 474.2 | 459.6 | 445.0 | 435.5 | 430.9 | 426.4 | 421.9 | 417.4 |
| 62.5° | 425.9 | 412.4 | 398.9 | 390.3 | 386.7 | 383.2 | 379.5 | 376.0 |
| 65° | 356.6 | 344.5 | 332.4 | 324.6 | 321.3 | 317.9 | 314.6 | 311.2 |
| 67.5° | 292.9 | 282.5 | 272.1 | 265.1 | 261.3 | 257.6 | 253.9 | 250.2 |
| 70° | 249.6 | 240.3 | 231.1 | 225.1 | 222.2 | 219.4 | 216.6 | 213.8 |
| 72.5° | 210.8 | 202.9 | 195.0 | 189.7 | 187.1 | 184.6 | 182.0 | 179.4 |
| 75° | 155.3 | 148.9 | 142.4 | 138.3 | 136.7 | 134.9 | 133.2 | 131.6 |
| 77.5° | 109.9 | 106.1 | 102.3 | 100.2 | 99.7 | 99.2 | 98.7 | 98.2 |
| 80° | 84.4 | 83.5 | 82.6 | 82.1 | 81.8 | 81.5 | 81.3 | 81.0 |
| 82.5° | 65.6 | 65.0 | 64.3 | 63.8 | 63.6 | 63.3 | 63.1 | 62.7 |
| 85° | 38.1 | 37.5 | 37.0 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| 87.5° | 15.1 | 15.0 | 14.8 | 14.8 | 15.1 | 15.4 | 15.6 | 15.8 |
| 90° | 6.9 | 7.3 | 7.7 | 7.9 | 8.0 | 8.2 | 8.2 | 8.4 |
| 92.5° | 6.7 | 7.1 | 7.4 | 7.6 | 7.7 | 7.7 | 7.7 | 7.8 |
| 95° | 6.9 | 7.3 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.1 |
| 97.5° | 7.4 | 7.5 | 7.5 | 7.6 | 7.7 | 7.7 | 7.8 | 7.8 |
| 100° | 10.2 | 9.1 | 8.1 | 7.6 | 7.7 | 7.7 | 7.8 | 7.8 |
| 102.5° | 36.5 | 25.1 | 13.7 | 8.0 | 8.0 | 8.0 | 8.1 | 8.1 |
| 105° | 88.5 | 89.0 | 89.6 | 88.7 | 86.5 | 84.3 | 82.0 | 79.8 |
| 107.5° | 109.5 | 109.7 | 110.0 | 110.3 | 110.5 | 110.7 | 111.0 | 111.2 |
| 110° | 123.7 | 123.8 | 124.0 | 124.1 | 124.3 | 124.5 | 124.7 | 124.8 |



TEST NUMBER: P332988-927

CATALOG NUMBER: S124RDIP-S1195D365U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 137.5 | 137.5 | 137.4 | 137.6 | 137.8 | 138.1 | 138.3 | 138.6 |
| 115° | 158.1 | 158.3 | 158.4 | 158.4 | 158.4 | 158.4 | 158.4 | 158.4 |
| 117.5° | 178.9 | 178.9 | 178.9 | 178.8 | 178.8 | 178.8 | 178.8 | 178.7 |
| 120° | 191.7 | 191.9 | 192.0 | 192.0 | 191.9 | 191.7 | 191.6 | 191.5 |
| 122.5° | 204.4 | 204.5 | 204.5 | 204.5 | 204.4 | 204.3 | 204.1 | 204.1 |
| 125° | 222.1 | 222.3 | 222.4 | 222.6 | 222.7 | 222.8 | 222.8 | 222.8 |
| 127.5° | 239.7 | 239.6 | 239.6 | 239.6 | 239.6 | 239.5 | 239.4 | 239.4 |
| 130° | 250.4 | 250.5 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 |
| 132.5° | 260.9 | 261.0 | 261.1 | 261.1 | 261.0 | 260.9 | 260.9 | 260.9 |
| 135° | 275.4 | 275.6 | 275.7 | 275.8 | 275.9 | 276.1 | 276.2 | 276.3 |
| 137.5° | 289.4 | 289.5 | 289.6 | 289.7 | 289.6 | 289.6 | 289.5 | 289.5 |
| 140° | 297.9 | 298.2 | 298.3 | 298.5 | 298.6 | 298.6 | 298.7 | 298.7 |
| 142.5° | 305.9 | 306.1 | 306.2 | 306.3 | 306.3 | 306.3 | 306.3 | 306.3 |
| 145° | 317.3 | 317.4 | 317.4 | 317.5 | 317.7 | 317.8 | 317.9 | 318.1 |
| 147.5° | 327.3 | 327.4 | 327.4 | 327.5 | 327.6 | 327.6 | 327.6 | 327.7 |
| 150° | 333.7 | 333.7 | 333.7 | 333.7 | 333.8 | 333.9 | 333.9 | 334.0 |
| 152.5° | 339.3 | 339.4 | 339.5 | 339.5 | 339.5 | 339.5 | 339.5 | 339.4 |
| 155° | 346.8 | 347.1 | 347.3 | 347.4 | 347.1 | 347.0 | 346.8 | 346.6 |
| 157.5° | 353.3 | 353.6 | 353.9 | 353.9 | 353.6 | 353.3 | 353.0 | 352.7 |
| 160° | 357.4 | 357.8 | 358.1 | 358.1 | 357.8 | 357.4 | 357.0 | 356.6 |
| 162.5° | 360.8 | 361.2 | 361.6 | 361.5 | 361.1 | 360.7 | 360.2 | 359.8 |
| 165° | 365.5 | 366.0 | 366.5 | 366.5 | 365.9 | 365.4 | 364.8 | 364.2 |
| 167.5° | 369.0 | 369.6 | 370.0 | 370.0 | 369.4 | 368.8 | 368.1 | 367.6 |
| 170° | 371.1 | 371.6 | 372.1 | 372.0 | 371.5 | 370.8 | 370.2 | 369.6 |
| 172.5° | 372.5 | 373.0 | 373.4 | 373.4 | 372.7 | 372.0 | 371.4 | 370.7 |
| 175° | 374.1 | 374.6 | 375.2 | 375.1 | 374.3 | 373.6 | 372.8 | 372.1 |
| 177.5° | 374.7 | 375.1 | 375.5 | 375.3 | 374.8 | 374.1 | 373.6 | 373.0 |
| 180° | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 | 374.3 |

(END OF REPORT)