

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: P333311-840

Luminaire Tested: **S125DIP-S1270D590U840-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333311-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1270D590U840-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7246.1 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Direct

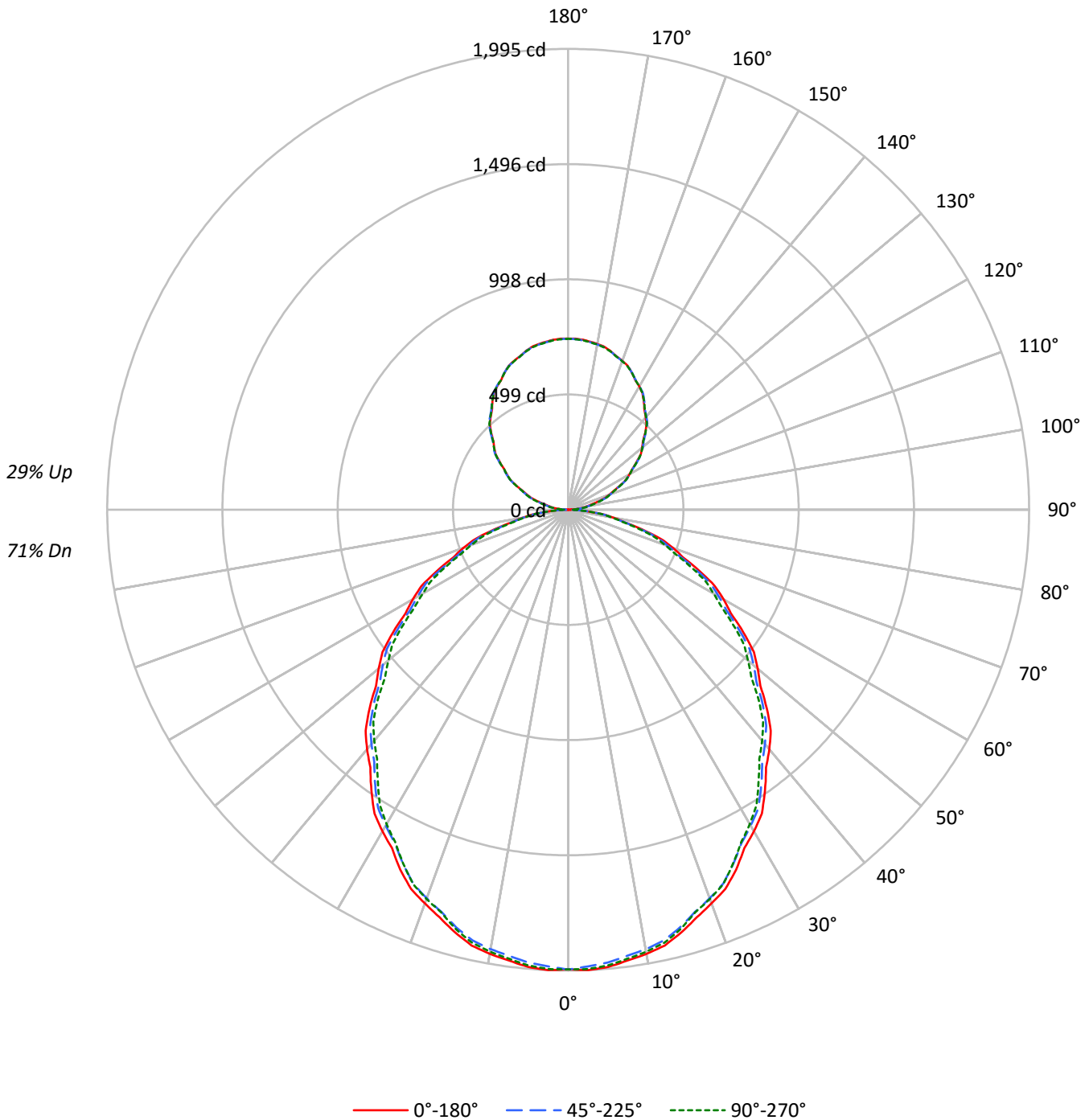
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333311-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333311-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-F1

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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 76 | 76 | 76 | 71 |
| 1 | 103 | 98 | 94 | 90 | 97 | 93 | 89 | 86 | 84 | 81 | 78 | 75 | 73 | 71 | 67 | 65 | 64 | 60 |
| 2 | 93 | 86 | 79 | 74 | 88 | 81 | 76 | 71 | 73 | 69 | 65 | 66 | 62 | 59 | 59 | 56 | 54 | 50 |
| 3 | 85 | 75 | 68 | 61 | 80 | 72 | 65 | 59 | 65 | 59 | 54 | 58 | 54 | 50 | 52 | 49 | 46 | 42 |
| 4 | 78 | 67 | 58 | 52 | 74 | 63 | 56 | 50 | 57 | 51 | 47 | 52 | 47 | 43 | 47 | 43 | 39 | 36 |
| 5 | 72 | 60 | 51 | 45 | 68 | 57 | 49 | 43 | 51 | 45 | 40 | 47 | 41 | 37 | 42 | 38 | 34 | 32 |
| 6 | 66 | 54 | 45 | 39 | 62 | 51 | 43 | 38 | 46 | 40 | 35 | 42 | 37 | 33 | 38 | 34 | 30 | 28 |
| 7 | 61 | 48 | 40 | 34 | 58 | 46 | 39 | 33 | 42 | 36 | 31 | 38 | 33 | 29 | 35 | 30 | 27 | 25 |
| 8 | 57 | 44 | 36 | 31 | 54 | 42 | 35 | 30 | 39 | 32 | 28 | 35 | 30 | 26 | 32 | 28 | 24 | 22 |
| 9 | 53 | 40 | 33 | 27 | 50 | 39 | 31 | 27 | 35 | 29 | 25 | 32 | 27 | 23 | 30 | 25 | 22 | 20 |
| 10 | 50 | 37 | 30 | 25 | 47 | 36 | 29 | 24 | 33 | 27 | 23 | 30 | 25 | 21 | 27 | 23 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 12853 | 12853 | 12853 |
| 5° | 12882 | 12759 | 12841 |
| 10° | 12804 | 12669 | 12742 |
| 15° | 12664 | 12517 | 12570 |
| 20° | 12466 | 12304 | 12325 |
| 25° | 12252 | 12050 | 12039 |
| 30° | 11989 | 11777 | 11718 |
| 35° | 11706 | 11483 | 11321 |
| 40° | 11415 | 11163 | 11005 |
| 45° | 11102 | 10872 | 10656 |
| 50° | 10758 | 10520 | 10203 |
| 55° | 10424 | 10124 | 9839 |
| 60° | 10026 | 9722 | 9376 |
| 65° | 9553 | 9239 | 8926 |
| 70° | 9098 | 8682 | 8384 |
| 75° | 8289 | 8015 | 7738 |
| 80° | 7375 | 7260 | 7089 |
| 85° | 6417 | 6536 | 6180 |



TEST NUMBER: P333311-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 187.6 | 2.6 |
| 10°-20° | 530.1 | 7.3 |
| 20°-30° | 782.7 | 10.8 |
| 30°-40° | 913.3 | 12.6 |
| 40°-50° | 917.2 | 12.7 |
| 50°-60° | 805.1 | 11.1 |
| 60°-70° | 599.9 | 8.3 |
| 70°-80° | 343.0 | 4.7 |
| 80°-90° | 101.4 | 1.4 |
| 90°-100° | 49.6 | 0.7 |
| 100°-110° | 146.4 | 2.0 |
| 110°-120° | 248.0 | 3.4 |
| 120°-130° | 326.4 | 4.5 |
| 130°-140° | 365.7 | 5.0 |
| 140°-150° | 358.4 | 4.9 |
| 150°-160° | 301.1 | 4.2 |
| 160°-170° | 200.1 | 2.8 |
| 170°-180° | 70.0 | 1.0 |
| 0°-30° | 1500.4 | 20.7 |
| 0°-40° | 2413.6 | 33.3 |
| 0°-60° | 4136.0 | 57.1 |
| 0°-90° | 5180.4 | 71.5 |
| 90°-120° | 444.0 | 6.1 |
| 90°-150° | 1494.5 | 20.6 |
| 90°-180° | 2066.0 | 28.5 |
| 0°-180° | 7246.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1990 | 1990 | 1990 | 1990 | 1990 | |
| 5° | 1987 | 1983 | 1968 | 1981 | 1981 | 188 |
| 15° | 1894 | 1889 | 1872 | 1880 | 1880 | 534 |
| 25° | 1719 | 1711 | 1691 | 1694 | 1689 | 791 |
| 35° | 1485 | 1478 | 1456 | 1448 | 1436 | 928 |
| 45° | 1216 | 1208 | 1190 | 1172 | 1167 | 936 |
| 55° | 926 | 920 | 899 | 885 | 874 | 826 |
| 65° | 625 | 621 | 605 | 591 | 584 | 620 |
| 75° | 332 | 329 | 321 | 316 | 310 | 354 |
| 85° | 87 | 88 | 88 | 86 | 83 | 97 |
| 90° | 1 | 5 | 9 | 12 | 14 | 7 |
| 95° | 38 | 39 | 44 | 48 | 50 | 40 |
| 105° | 131 | 134 | 138 | 141 | 143 | 140 |
| 115° | 248 | 250 | 252 | 251 | 251 | 245 |
| 125° | 362 | 366 | 366 | 365 | 365 | 324 |
| 135° | 471 | 474 | 475 | 475 | 473 | 363 |
| 145° | 571 | 573 | 575 | 575 | 573 | 357 |
| 155° | 653 | 653 | 654 | 656 | 653 | 301 |
| 165° | 710 | 709 | 710 | 712 | 709 | 200 |
| 175° | 738 | 736 | 736 | 739 | 736 | 70 |
| 180° | 740 | 740 | 740 | 740 | 740 | |



TEST NUMBER: P333311-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 |
| 2.5° | 1995.2 | 1994.4 | 1993.6 | 1992.7 | 1991.9 | 1990.0 | 1987.2 | 1984.4 | 1981.7 | 1978.8 | 1981.7 |
| 5° | 1987.0 | 1986.3 | 1985.6 | 1984.9 | 1984.2 | 1982.2 | 1978.6 | 1975.1 | 1971.7 | 1968.1 | 1971.3 |
| 7.5° | 1968.7 | 1968.0 | 1967.3 | 1966.6 | 1965.9 | 1963.7 | 1959.8 | 1956.0 | 1952.2 | 1948.3 | 1951.4 |
| 10° | 1952.4 | 1951.7 | 1951.0 | 1950.3 | 1949.5 | 1947.3 | 1943.5 | 1939.6 | 1935.7 | 1931.9 | 1934.7 |
| 12.5° | 1932.2 | 1931.0 | 1929.8 | 1928.4 | 1927.2 | 1924.8 | 1921.2 | 1917.6 | 1914.1 | 1910.5 | 1912.8 |
| 15° | 1894.1 | 1893.1 | 1892.0 | 1891.0 | 1890.0 | 1887.4 | 1883.6 | 1879.8 | 1875.9 | 1872.1 | 1873.8 |
| 17.5° | 1850.4 | 1848.9 | 1847.2 | 1845.7 | 1844.2 | 1841.4 | 1837.4 | 1833.4 | 1829.5 | 1825.4 | 1827.7 |
| 20° | 1813.8 | 1813.1 | 1812.4 | 1811.7 | 1811.0 | 1808.4 | 1803.8 | 1799.3 | 1794.7 | 1790.2 | 1792.6 |
| 22.5° | 1777.3 | 1776.0 | 1774.7 | 1773.5 | 1772.2 | 1769.5 | 1765.2 | 1761.0 | 1756.7 | 1752.4 | 1754.0 |
| 25° | 1719.4 | 1717.6 | 1715.9 | 1714.1 | 1712.3 | 1709.2 | 1704.7 | 1700.1 | 1695.6 | 1691.0 | 1691.7 |
| 27.5° | 1651.6 | 1650.6 | 1649.5 | 1648.5 | 1647.5 | 1644.6 | 1639.9 | 1635.2 | 1630.5 | 1625.8 | 1626.0 |
| 30° | 1607.6 | 1606.5 | 1605.5 | 1604.4 | 1603.4 | 1600.2 | 1595.0 | 1589.7 | 1584.5 | 1579.2 | 1578.5 |
| 32.5° | 1559.7 | 1558.1 | 1556.5 | 1554.9 | 1553.3 | 1550.1 | 1545.4 | 1540.8 | 1536.0 | 1531.4 | 1530.1 |
| 35° | 1484.7 | 1483.4 | 1482.0 | 1480.6 | 1479.1 | 1476.0 | 1471.1 | 1466.2 | 1461.3 | 1456.4 | 1454.7 |
| 37.5° | 1406.9 | 1405.2 | 1403.5 | 1401.7 | 1400.0 | 1396.7 | 1392.2 | 1387.6 | 1382.9 | 1378.4 | 1375.7 |
| 40° | 1354.0 | 1352.3 | 1350.6 | 1348.8 | 1347.1 | 1343.7 | 1338.9 | 1333.9 | 1329.1 | 1324.1 | 1321.0 |
| 42.5° | 1297.4 | 1296.0 | 1294.4 | 1292.9 | 1291.5 | 1288.3 | 1283.4 | 1278.5 | 1273.6 | 1268.7 | 1265.9 |
| 45° | 1215.5 | 1214.2 | 1212.7 | 1211.3 | 1209.9 | 1207.1 | 1203.0 | 1198.7 | 1194.6 | 1190.3 | 1186.1 |
| 47.5° | 1127.3 | 1127.4 | 1127.5 | 1127.5 | 1127.6 | 1125.1 | 1120.1 | 1115.1 | 1110.0 | 1105.0 | 1100.8 |
| 50° | 1070.7 | 1069.6 | 1068.5 | 1067.5 | 1066.4 | 1063.8 | 1059.7 | 1055.4 | 1051.3 | 1047.0 | 1042.5 |
| 52.5° | 1012.7 | 1012.0 | 1011.2 | 1010.4 | 1009.7 | 1007.0 | 1002.5 | 998.0 | 993.6 | 989.1 | 985.1 |
| 55° | 925.8 | 924.7 | 923.7 | 922.6 | 921.6 | 918.7 | 913.7 | 908.9 | 903.9 | 899.1 | 895.9 |
| 57.5° | 834.1 | 833.6 | 833.0 | 832.5 | 831.9 | 829.6 | 825.5 | 821.3 | 817.2 | 813.0 | 809.0 |
| 60° | 776.2 | 774.9 | 773.5 | 772.0 | 770.6 | 768.0 | 764.2 | 760.3 | 756.5 | 752.7 | 749.1 |
| 62.5° | 715.8 | 714.7 | 713.6 | 712.4 | 711.2 | 709.1 | 705.8 | 702.5 | 699.2 | 695.9 | 692.2 |
| 65° | 625.1 | 624.4 | 623.7 | 623.0 | 622.3 | 620.0 | 616.1 | 612.3 | 608.4 | 604.6 | 601.5 |
| 67.5° | 537.2 | 535.7 | 534.3 | 532.8 | 531.4 | 529.2 | 526.3 | 523.4 | 520.6 | 517.7 | 515.0 |
| 70° | 481.8 | 480.1 | 478.3 | 476.6 | 474.8 | 472.3 | 469.2 | 466.1 | 462.9 | 459.8 | 457.7 |
| 72.5° | 421.3 | 420.1 | 419.0 | 417.8 | 416.6 | 415.0 | 412.9 | 410.9 | 408.9 | 406.9 | 404.5 |
| 75° | 332.2 | 331.5 | 330.8 | 330.1 | 329.4 | 328.2 | 326.5 | 324.7 | 323.0 | 321.2 | 320.1 |
| 77.5° | 250.0 | 249.7 | 249.4 | 249.2 | 248.9 | 248.3 | 247.3 | 246.3 | 245.3 | 244.4 | 243.8 |
| 80° | 198.3 | 198.3 | 198.3 | 198.3 | 198.3 | 198.0 | 197.3 | 196.6 | 195.9 | 195.2 | 194.9 |
| 82.5° | 153.0 | 152.5 | 151.9 | 151.4 | 150.8 | 150.5 | 150.3 | 150.2 | 150.1 | 149.9 | 149.3 |
| 85° | 86.6 | 86.9 | 87.3 | 87.7 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 87.9 |
| 87.5° | 34.1 | 34.3 | 34.5 | 34.7 | 34.9 | 35.0 | 34.9 | 34.8 | 34.7 | 34.6 | 34.7 |
| 90° | 0.6 | 1.6 | 2.6 | 3.6 | 4.6 | 5.7 | 6.6 | 7.5 | 8.3 | 9.2 | 9.9 |
| 92.5° | 13.9 | 14.6 | 15.3 | 16.1 | 16.8 | 17.7 | 18.8 | 19.9 | 21.0 | 22.1 | 22.9 |
| 95° | 37.5 | 37.7 | 38.0 | 38.2 | 38.5 | 39.3 | 40.5 | 41.8 | 43.1 | 44.3 | 45.2 |
| 97.5° | 62.2 | 62.3 | 62.4 | 62.5 | 62.6 | 63.5 | 65.3 | 67.1 | 68.9 | 70.6 | 71.5 |
| 100° | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 81.5 | 83.1 | 84.8 | 86.4 | 88.2 | 89.3 |
| 102.5° | 100.5 | 101.0 | 101.5 | 102.0 | 102.5 | 103.2 | 104.0 | 104.9 | 105.7 | 106.5 | 107.9 |
| 105° | 131.4 | 132.0 | 132.6 | 133.3 | 133.9 | 134.6 | 135.4 | 136.1 | 136.9 | 137.6 | 138.5 |
| 107.5° | 165.4 | 166.1 | 166.7 | 167.3 | 168.0 | 168.6 | 169.3 | 169.8 | 170.4 | 171.0 | 171.4 |
| 110° | 188.9 | 189.6 | 190.3 | 190.9 | 191.6 | 192.1 | 192.4 | 192.8 | 193.2 | 193.6 | 194.0 |



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CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 212.9 | 213.3 | 213.6 | 213.9 | 214.3 | 214.7 | 215.2 | 215.6 | 216.1 | 216.6 | 216.8 |
| 115° | 248.3 | 248.8 | 249.3 | 249.8 | 250.3 | 250.7 | 251.0 | 251.3 | 251.5 | 251.8 | 251.7 |
| 117.5° | 283.8 | 284.0 | 284.3 | 284.5 | 284.7 | 285.0 | 285.2 | 285.4 | 285.6 | 285.9 | 286.0 |
| 120° | 305.9 | 306.6 | 307.2 | 307.8 | 308.5 | 308.8 | 309.0 | 309.1 | 309.2 | 309.3 | 309.3 |
| 122.5° | 329.9 | 330.1 | 330.3 | 330.5 | 330.8 | 331.0 | 331.4 | 331.7 | 332.0 | 332.4 | 332.3 |
| 125° | 362.3 | 363.1 | 363.9 | 364.7 | 365.5 | 365.9 | 366.0 | 366.2 | 366.3 | 366.4 | 366.2 |
| 127.5° | 397.0 | 397.4 | 397.8 | 398.2 | 398.7 | 399.0 | 399.1 | 399.3 | 399.4 | 399.6 | 399.5 |
| 130° | 417.7 | 418.3 | 419.0 | 419.6 | 420.2 | 420.7 | 420.9 | 421.2 | 421.4 | 421.7 | 421.6 |
| 132.5° | 438.4 | 439.5 | 440.5 | 441.5 | 442.6 | 443.1 | 443.0 | 443.0 | 442.9 | 442.9 | 442.8 |
| 135° | 471.2 | 472.0 | 472.8 | 473.5 | 474.3 | 474.7 | 474.9 | 475.0 | 475.1 | 475.2 | 475.2 |
| 137.5° | 502.1 | 502.9 | 503.6 | 504.3 | 505.1 | 505.6 | 505.9 | 506.1 | 506.4 | 506.8 | 506.9 |
| 140° | 521.9 | 522.6 | 523.2 | 523.8 | 524.5 | 525.0 | 525.4 | 525.8 | 526.1 | 526.5 | 526.8 |
| 142.5° | 541.8 | 542.3 | 542.8 | 543.4 | 543.9 | 544.4 | 544.9 | 545.4 | 545.9 | 546.3 | 546.5 |
| 145° | 570.9 | 571.4 | 572.0 | 572.5 | 573.0 | 573.4 | 573.8 | 574.2 | 574.6 | 574.9 | 574.9 |
| 147.5° | 597.8 | 598.1 | 598.4 | 598.7 | 599.1 | 599.3 | 599.6 | 600.0 | 600.3 | 600.6 | 600.9 |
| 150° | 615.8 | 615.7 | 615.6 | 615.5 | 615.3 | 615.5 | 616.0 | 616.5 | 617.0 | 617.5 | 617.5 |
| 152.5° | 630.6 | 630.8 | 631.0 | 631.2 | 631.3 | 631.5 | 631.7 | 631.9 | 632.1 | 632.4 | 632.7 |
| 155° | 653.3 | 653.3 | 653.3 | 653.3 | 653.3 | 653.4 | 653.5 | 653.6 | 653.8 | 653.9 | 654.4 |
| 157.5° | 673.6 | 673.3 | 673.0 | 672.8 | 672.5 | 672.4 | 672.5 | 672.7 | 672.8 | 672.9 | 673.4 |
| 160° | 685.6 | 685.2 | 684.8 | 684.4 | 684.0 | 683.9 | 684.0 | 684.2 | 684.3 | 684.4 | 684.9 |
| 162.5° | 696.2 | 695.9 | 695.6 | 695.3 | 695.0 | 694.9 | 694.9 | 695.0 | 695.0 | 695.0 | 695.6 |
| 165° | 710.3 | 710.0 | 709.8 | 709.5 | 709.3 | 709.2 | 709.3 | 709.5 | 709.6 | 709.7 | 710.2 |
| 167.5° | 722.4 | 721.9 | 721.2 | 720.7 | 720.2 | 720.0 | 720.0 | 720.0 | 720.0 | 720.0 | 720.7 |
| 170° | 728.7 | 728.2 | 727.7 | 727.2 | 726.7 | 726.5 | 726.5 | 726.5 | 726.5 | 726.5 | 727.2 |
| 172.5° | 733.4 | 732.9 | 732.4 | 731.8 | 731.3 | 731.0 | 731.0 | 731.0 | 731.0 | 731.0 | 731.8 |
| 175° | 738.5 | 738.0 | 737.5 | 737.0 | 736.5 | 736.3 | 736.3 | 736.3 | 736.3 | 736.3 | 737.0 |
| 177.5° | 741.2 | 740.8 | 740.4 | 740.0 | 739.5 | 739.3 | 739.2 | 739.1 | 739.0 | 738.9 | 739.5 |
| 180° | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 |



TEST NUMBER: P333311-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 | 1990.1 |
| 2.5° | 1984.4 | 1987.2 | 1990.0 | 1991.3 | 1991.0 | 1990.7 | 1990.4 | 1990.1 |
| 5° | 1974.4 | 1977.6 | 1980.7 | 1982.2 | 1981.8 | 1981.5 | 1981.1 | 1980.7 |
| 7.5° | 1954.4 | 1957.5 | 1960.6 | 1962.0 | 1961.7 | 1961.3 | 1961.0 | 1960.6 |
| 10° | 1937.5 | 1940.4 | 1943.1 | 1944.3 | 1944.0 | 1943.6 | 1943.3 | 1943.0 |
| 12.5° | 1915.0 | 1917.2 | 1919.5 | 1920.6 | 1920.5 | 1920.4 | 1920.4 | 1920.3 |
| 15° | 1875.6 | 1877.3 | 1879.1 | 1880.0 | 1880.0 | 1880.0 | 1880.0 | 1880.0 |
| 17.5° | 1829.8 | 1832.0 | 1834.1 | 1834.3 | 1832.6 | 1830.9 | 1829.1 | 1827.4 |
| 20° | 1795.1 | 1797.6 | 1800.0 | 1800.4 | 1798.6 | 1796.9 | 1795.1 | 1793.3 |
| 22.5° | 1755.7 | 1757.3 | 1758.9 | 1759.1 | 1757.9 | 1756.7 | 1755.4 | 1754.3 |
| 25° | 1692.4 | 1693.1 | 1693.8 | 1693.6 | 1692.6 | 1691.5 | 1690.5 | 1689.4 |
| 27.5° | 1626.1 | 1626.3 | 1626.4 | 1625.9 | 1624.9 | 1623.9 | 1622.8 | 1621.7 |
| 30° | 1577.8 | 1577.1 | 1576.4 | 1575.6 | 1574.5 | 1573.5 | 1572.4 | 1571.3 |
| 32.5° | 1528.8 | 1527.6 | 1526.3 | 1524.7 | 1522.9 | 1521.0 | 1519.0 | 1517.2 |
| 35° | 1452.9 | 1451.2 | 1449.5 | 1447.1 | 1444.3 | 1441.6 | 1438.8 | 1435.9 |
| 37.5° | 1373.1 | 1370.6 | 1368.0 | 1365.8 | 1364.2 | 1362.6 | 1361.0 | 1359.4 |
| 40° | 1317.9 | 1314.7 | 1311.5 | 1309.5 | 1308.4 | 1307.4 | 1306.3 | 1305.3 |
| 42.5° | 1263.0 | 1260.1 | 1257.3 | 1255.1 | 1253.4 | 1251.8 | 1250.2 | 1248.6 |
| 45° | 1181.9 | 1177.7 | 1173.6 | 1170.9 | 1169.8 | 1168.8 | 1167.7 | 1166.7 |
| 47.5° | 1096.4 | 1092.2 | 1087.9 | 1084.6 | 1082.1 | 1079.6 | 1077.2 | 1074.8 |
| 50° | 1037.9 | 1033.4 | 1028.9 | 1025.3 | 1022.9 | 1020.5 | 1018.0 | 1015.5 |
| 52.5° | 981.1 | 977.1 | 973.1 | 969.8 | 967.0 | 964.3 | 961.6 | 958.9 |
| 55° | 892.7 | 889.6 | 886.5 | 883.6 | 881.2 | 878.8 | 876.3 | 873.8 |
| 57.5° | 805.0 | 800.9 | 796.9 | 794.2 | 792.8 | 791.5 | 790.1 | 788.8 |
| 60° | 745.6 | 742.1 | 738.6 | 735.7 | 733.2 | 730.7 | 728.3 | 725.9 |
| 62.5° | 688.3 | 684.6 | 680.9 | 678.0 | 676.1 | 674.2 | 672.3 | 670.4 |
| 65° | 598.3 | 595.1 | 592.0 | 589.8 | 588.3 | 586.9 | 585.5 | 584.1 |
| 67.5° | 512.4 | 509.7 | 507.1 | 505.3 | 504.4 | 503.6 | 502.8 | 501.9 |
| 70° | 455.6 | 453.4 | 451.3 | 449.6 | 448.2 | 446.8 | 445.5 | 444.0 |
| 72.5° | 402.1 | 399.7 | 397.4 | 395.5 | 394.0 | 392.6 | 391.2 | 389.8 |
| 75° | 319.1 | 318.0 | 317.0 | 315.8 | 314.4 | 313.0 | 311.5 | 310.1 |
| 77.5° | 243.1 | 242.5 | 241.9 | 241.1 | 240.0 | 239.0 | 238.1 | 237.1 |
| 80° | 194.5 | 194.2 | 193.8 | 193.3 | 192.6 | 191.9 | 191.2 | 190.6 |
| 82.5° | 148.7 | 148.0 | 147.3 | 147.0 | 146.8 | 146.7 | 146.5 | 146.4 |
| 85° | 87.5 | 87.2 | 86.7 | 86.2 | 85.5 | 84.8 | 84.1 | 83.4 |
| 87.5° | 34.8 | 34.9 | 35.1 | 34.9 | 34.4 | 33.9 | 33.5 | 33.0 |
| 90° | 10.5 | 11.1 | 11.8 | 12.3 | 12.7 | 13.0 | 13.4 | 13.8 |
| 92.5° | 23.8 | 24.6 | 25.5 | 26.1 | 26.4 | 26.7 | 26.9 | 27.2 |
| 95° | 46.2 | 47.1 | 48.0 | 48.5 | 48.8 | 49.1 | 49.3 | 49.6 |
| 97.5° | 72.3 | 73.2 | 74.0 | 74.5 | 74.6 | 74.8 | 74.9 | 75.1 |
| 100° | 90.5 | 91.6 | 92.7 | 93.4 | 93.7 | 94.0 | 94.2 | 94.5 |
| 102.5° | 109.1 | 110.4 | 111.6 | 112.4 | 112.8 | 113.1 | 113.5 | 113.8 |
| 105° | 139.3 | 140.0 | 140.8 | 141.4 | 141.7 | 142.1 | 142.5 | 142.9 |
| 107.5° | 171.8 | 172.2 | 172.5 | 172.7 | 172.7 | 172.7 | 172.6 | 172.6 |
| 110° | 194.3 | 194.7 | 195.1 | 195.2 | 195.1 | 195.0 | 194.8 | 194.7 |



TEST NUMBER: P333311-840

CATALOG NUMBER: S125DIP-S1270D590U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 217.0 | 217.1 | 217.3 | 217.3 | 217.1 | 216.8 | 216.6 | 216.4 |
| 115° | 251.5 | 251.4 | 251.3 | 251.2 | 251.0 | 250.9 | 250.7 | 250.6 |
| 117.5° | 286.1 | 286.2 | 286.3 | 286.1 | 285.6 | 285.1 | 284.6 | 284.0 |
| 120° | 309.3 | 309.3 | 309.3 | 309.1 | 308.6 | 308.1 | 307.6 | 307.1 |
| 122.5° | 332.2 | 332.1 | 332.0 | 331.7 | 331.3 | 330.9 | 330.5 | 330.1 |
| 125° | 365.9 | 365.7 | 365.4 | 365.2 | 365.1 | 365.0 | 364.8 | 364.7 |
| 127.5° | 399.3 | 399.2 | 399.1 | 398.9 | 398.6 | 398.4 | 398.1 | 397.9 |
| 130° | 421.4 | 421.3 | 421.2 | 421.0 | 420.7 | 420.5 | 420.2 | 420.0 |
| 132.5° | 442.6 | 442.5 | 442.4 | 442.1 | 441.8 | 441.4 | 441.1 | 440.7 |
| 135° | 475.2 | 475.2 | 475.2 | 475.0 | 474.5 | 474.0 | 473.5 | 473.0 |
| 137.5° | 507.1 | 507.2 | 507.4 | 507.2 | 506.4 | 505.8 | 505.2 | 504.5 |
| 140° | 527.0 | 527.4 | 527.6 | 527.4 | 526.7 | 526.1 | 525.4 | 524.8 |
| 142.5° | 546.6 | 546.8 | 546.9 | 546.7 | 546.1 | 545.4 | 544.8 | 544.2 |
| 145° | 574.9 | 574.9 | 574.9 | 574.7 | 574.4 | 574.0 | 573.6 | 573.2 |
| 147.5° | 601.2 | 601.5 | 601.8 | 601.5 | 600.6 | 599.8 | 598.8 | 598.0 |
| 150° | 617.5 | 617.5 | 617.5 | 617.4 | 617.2 | 616.9 | 616.7 | 616.4 |
| 152.5° | 633.0 | 633.3 | 633.6 | 633.5 | 633.0 | 632.6 | 632.1 | 631.7 |
| 155° | 654.9 | 655.4 | 655.9 | 655.9 | 655.2 | 654.6 | 653.9 | 653.3 |
| 157.5° | 673.9 | 674.4 | 674.9 | 674.8 | 673.9 | 673.1 | 672.3 | 671.4 |
| 160° | 685.4 | 685.9 | 686.4 | 686.4 | 685.8 | 685.1 | 684.5 | 683.9 |
| 162.5° | 696.2 | 696.8 | 697.5 | 697.4 | 696.7 | 695.9 | 695.2 | 694.4 |
| 165° | 710.7 | 711.2 | 711.9 | 711.7 | 710.9 | 710.1 | 709.3 | 708.6 |
| 167.5° | 721.5 | 722.4 | 723.1 | 723.1 | 722.3 | 721.4 | 720.6 | 719.9 |
| 170° | 728.0 | 728.7 | 729.5 | 729.4 | 728.6 | 727.7 | 726.8 | 725.9 |
| 172.5° | 732.7 | 733.4 | 734.2 | 734.2 | 733.4 | 732.6 | 731.7 | 730.9 |
| 175° | 737.8 | 738.5 | 739.3 | 739.2 | 738.4 | 737.5 | 736.6 | 735.7 |
| 177.5° | 740.1 | 740.7 | 741.3 | 741.3 | 740.6 | 739.9 | 739.1 | 738.4 |
| 180° | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 | 740.3 |

(END OF REPORT)