

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: P333476-840

Luminaire Tested: **S125DIW-S1270D1050U840-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333476-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S1270D1050U840-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9412.6 lumens
Efficiency: N/A
Efficacy: 139.7 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: General Diffuse

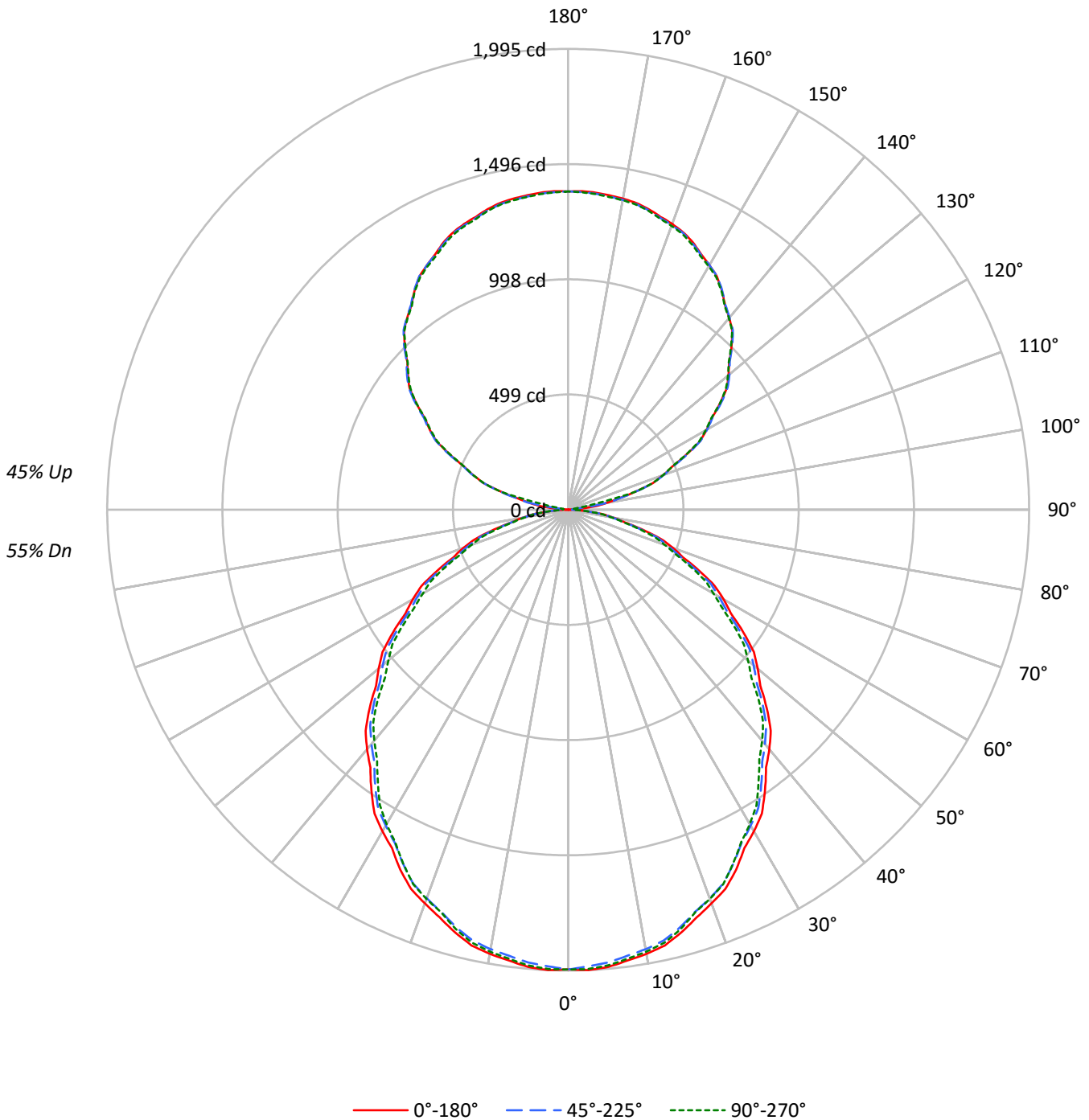
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333476-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333476-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1 | 99 | 94 | 90 | 87 | 92 | 88 | 84 | 81 | 75 | 73 | 71 | 64 | 62 | 61 | 54 | 52 | 51 | 46 |
| 2 | 90 | 82 | 76 | 71 | 83 | 77 | 71 | 67 | 66 | 62 | 58 | 56 | 53 | 51 | 47 | 45 | 43 | 39 |
| 3 | 82 | 72 | 65 | 59 | 76 | 68 | 61 | 56 | 58 | 53 | 49 | 50 | 46 | 43 | 42 | 39 | 37 | 33 |
| 4 | 75 | 64 | 56 | 50 | 69 | 60 | 53 | 47 | 52 | 46 | 42 | 44 | 40 | 37 | 37 | 34 | 32 | 28 |
| 5 | 69 | 57 | 49 | 43 | 64 | 53 | 46 | 41 | 46 | 41 | 36 | 40 | 35 | 32 | 34 | 30 | 27 | 24 |
| 6 | 64 | 51 | 43 | 37 | 59 | 48 | 41 | 35 | 42 | 36 | 32 | 36 | 31 | 28 | 30 | 27 | 24 | 21 |
| 7 | 59 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 21 | 19 |
| 8 | 55 | 42 | 34 | 29 | 51 | 39 | 32 | 27 | 35 | 29 | 25 | 30 | 25 | 22 | 26 | 22 | 19 | 17 |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 25 | 32 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 15 |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 27 | 22 | 29 | 24 | 20 | 25 | 21 | 18 | 22 | 18 | 16 | 14 |

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: P333476-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 187.6 | 2.0 |
| 10°-20° | 530.1 | 5.6 |
| 20°-30° | 782.7 | 8.3 |
| 30°-40° | 913.3 | 9.7 |
| 40°-50° | 917.2 | 9.7 |
| 50°-60° | 805.1 | 8.6 |
| 60°-70° | 599.9 | 6.4 |
| 70°-80° | 343.0 | 3.6 |
| 80°-90° | 102.7 | 1.1 |
| 90°-100° | 50.1 | 0.5 |
| 100°-110° | 308.6 | 3.3 |
| 110°-120° | 559.7 | 5.9 |
| 120°-130° | 718.2 | 7.6 |
| 130°-140° | 772.5 | 8.2 |
| 140°-150° | 725.1 | 7.7 |
| 150°-160° | 586.6 | 6.2 |
| 160°-170° | 379.4 | 4.0 |
| 170°-180° | 130.8 | 1.4 |
| 0°-30° | 1500.4 | 15.9 |
| 0°-40° | 2413.6 | 25.6 |
| 0°-60° | 4136.0 | 43.9 |
| 0°-90° | 5181.6 | 55.0 |
| 90°-120° | 918.3 | 9.8 |
| 90°-150° | 3134.2 | 33.3 |
| 90°-180° | 4231.0 | 45.0 |
| 0°-180° | 9412.6 | 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 | 9 | 16 | 21 | 24 | 7 |
| 95° | 58 | 53 | 16 | 21 | 21 | 74 |
| 105° | 300 | 304 | 304 | 304 | 303 | 318 |
| 115° | 564 | 569 | 570 | 566 | 560 | 559 |
| 125° | 802 | 808 | 809 | 805 | 802 | 716 |
| 135° | 1000 | 1006 | 1004 | 1002 | 996 | 770 |
| 145° | 1159 | 1161 | 1161 | 1162 | 1156 | 725 |
| 155° | 1277 | 1271 | 1273 | 1275 | 1268 | 588 |
| 165° | 1347 | 1341 | 1342 | 1347 | 1340 | 380 |
| 175° | 1378 | 1372 | 1373 | 1380 | 1372 | 131 |
| 180° | 1378 | 1378 | 1378 | 1378 | 1378 | |



TEST NUMBER: P333476-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F

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° | 34.2 | 34.5 | 34.9 | 35.3 | 35.6 | 35.9 | 36.0 | 36.0 | 36.0 | 36.1 | 36.3 |
| 90° | 1.0 | 2.8 | 4.6 | 6.5 | 8.3 | 10.0 | 11.6 | 13.1 | 14.7 | 16.4 | 17.5 |
| 92.5° | 15.8 | 14.4 | 13.2 | 11.9 | 10.6 | 10.7 | 12.1 | 13.5 | 14.9 | 16.4 | 17.5 |
| 95° | 58.2 | 57.6 | 56.9 | 56.1 | 55.5 | 50.8 | 42.2 | 33.6 | 24.9 | 16.4 | 17.5 |
| 97.5° | 121.6 | 122.8 | 124.0 | 125.2 | 126.4 | 118.6 | 101.5 | 84.4 | 67.4 | 50.3 | 43.8 |
| 100° | 170.6 | 171.3 | 171.9 | 172.6 | 173.3 | 174.1 | 175.0 | 175.9 | 176.8 | 177.7 | 143.9 |
| 102.5° | 220.5 | 221.3 | 222.2 | 223.0 | 223.9 | 224.6 | 225.1 | 225.6 | 226.2 | 226.7 | 220.4 |
| 105° | 300.2 | 301.1 | 302.1 | 303.0 | 303.9 | 304.4 | 304.4 | 304.4 | 304.4 | 304.4 | 304.4 |
| 107.5° | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 | 383.4 | 383.8 | 384.4 | 384.8 | 385.3 | 385.3 |
| 110° | 437.2 | 437.2 | 437.2 | 437.2 | 437.2 | 437.4 | 437.8 | 438.3 | 438.7 | 439.2 | 438.5 |



TEST NUMBER: P333476-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 487.8 | 488.4 | 488.9 | 489.4 | 490.0 | 490.4 | 490.7 | 490.9 | 491.2 | 491.5 | 490.6 |
| 115° | 563.8 | 564.9 | 566.0 | 567.1 | 568.4 | 569.0 | 569.3 | 569.5 | 569.7 | 569.9 | 569.0 |
| 117.5° | 642.5 | 642.4 | 642.4 | 642.3 | 642.3 | 642.7 | 643.5 | 644.4 | 645.2 | 646.1 | 644.9 |
| 120° | 691.5 | 691.3 | 690.9 | 690.7 | 690.5 | 690.7 | 691.5 | 692.2 | 692.8 | 693.5 | 693.1 |
| 122.5° | 734.8 | 735.6 | 736.5 | 737.3 | 738.2 | 738.8 | 739.1 | 739.4 | 739.7 | 740.0 | 739.6 |
| 125° | 801.7 | 803.3 | 805.0 | 806.5 | 808.1 | 808.9 | 808.9 | 808.9 | 808.9 | 808.9 | 808.0 |
| 127.5° | 865.7 | 866.9 | 868.0 | 869.1 | 870.2 | 870.7 | 870.6 | 870.5 | 870.3 | 870.2 | 869.7 |
| 130° | 904.9 | 906.1 | 907.2 | 908.3 | 909.5 | 910.1 | 910.4 | 910.6 | 910.8 | 911.0 | 910.4 |
| 132.5° | 944.1 | 945.4 | 946.7 | 948.1 | 949.4 | 949.8 | 949.3 | 948.8 | 948.3 | 947.9 | 947.7 |
| 135° | 999.9 | 1001.3 | 1002.6 | 1004.0 | 1005.3 | 1005.8 | 1005.3 | 1004.9 | 1004.4 | 1004.0 | 1003.5 |
| 137.5° | 1051.2 | 1052.4 | 1053.5 | 1054.7 | 1055.9 | 1056.3 | 1055.9 | 1055.5 | 1055.0 | 1054.6 | 1054.7 |
| 140° | 1084.7 | 1085.1 | 1085.6 | 1086.0 | 1086.5 | 1086.6 | 1086.4 | 1086.1 | 1085.9 | 1085.7 | 1086.1 |
| 142.5° | 1114.9 | 1115.2 | 1115.5 | 1115.7 | 1116.0 | 1116.3 | 1116.6 | 1116.9 | 1117.2 | 1117.5 | 1117.6 |
| 145° | 1159.2 | 1159.7 | 1160.1 | 1160.6 | 1161.0 | 1161.2 | 1161.2 | 1161.2 | 1161.2 | 1161.2 | 1161.5 |
| 147.5° | 1198.0 | 1198.0 | 1197.9 | 1197.8 | 1197.7 | 1197.8 | 1198.0 | 1198.3 | 1198.6 | 1198.8 | 1199.1 |
| 150° | 1222.5 | 1222.1 | 1221.6 | 1221.2 | 1220.7 | 1220.7 | 1221.2 | 1221.6 | 1222.1 | 1222.5 | 1223.0 |
| 152.5° | 1246.3 | 1245.3 | 1244.3 | 1243.2 | 1242.2 | 1242.0 | 1242.4 | 1242.9 | 1243.3 | 1243.7 | 1244.3 |
| 155° | 1276.7 | 1275.4 | 1273.9 | 1272.6 | 1271.2 | 1270.8 | 1271.2 | 1271.7 | 1272.1 | 1272.6 | 1273.2 |
| 157.5° | 1300.2 | 1299.4 | 1298.6 | 1297.8 | 1296.9 | 1296.6 | 1296.6 | 1296.6 | 1296.7 | 1296.7 | 1297.5 |
| 160° | 1316.6 | 1315.1 | 1313.8 | 1312.4 | 1311.1 | 1310.5 | 1310.7 | 1311.0 | 1311.2 | 1311.4 | 1312.3 |
| 162.5° | 1329.6 | 1328.3 | 1326.9 | 1325.5 | 1324.1 | 1323.5 | 1323.8 | 1324.0 | 1324.2 | 1324.4 | 1325.8 |
| 165° | 1347.2 | 1345.8 | 1344.4 | 1343.1 | 1341.7 | 1341.1 | 1341.4 | 1341.6 | 1341.8 | 1342.0 | 1343.4 |
| 167.5° | 1360.2 | 1358.9 | 1357.5 | 1356.0 | 1354.6 | 1354.0 | 1354.2 | 1354.4 | 1354.7 | 1354.9 | 1356.6 |
| 170° | 1367.6 | 1366.0 | 1364.4 | 1362.8 | 1361.2 | 1360.6 | 1360.8 | 1361.0 | 1361.2 | 1361.5 | 1363.3 |
| 172.5° | 1372.5 | 1370.9 | 1369.3 | 1367.8 | 1366.1 | 1365.5 | 1365.9 | 1366.3 | 1366.8 | 1367.2 | 1368.8 |
| 175° | 1377.8 | 1376.4 | 1375.0 | 1373.7 | 1372.3 | 1371.8 | 1372.0 | 1372.2 | 1372.5 | 1372.7 | 1374.5 |
| 177.5° | 1380.3 | 1379.2 | 1378.1 | 1377.0 | 1375.9 | 1375.4 | 1375.6 | 1375.8 | 1375.9 | 1376.1 | 1377.5 |
| 180° | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 |



TEST NUMBER: P333476-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F

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° | 36.5 | 36.7 | 37.0 | 36.9 | 36.4 | 36.0 | 35.5 | 35.1 |
| 90° | 18.6 | 19.8 | 20.9 | 21.8 | 22.5 | 23.1 | 23.8 | 24.5 |
| 92.5° | 18.6 | 19.8 | 20.9 | 21.6 | 21.9 | 22.2 | 22.5 | 22.9 |
| 95° | 18.6 | 19.8 | 20.9 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 |
| 97.5° | 37.5 | 31.0 | 24.6 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 |
| 100° | 110.1 | 76.2 | 42.4 | 25.0 | 24.1 | 23.2 | 22.3 | 21.4 |
| 102.5° | 213.9 | 207.5 | 201.2 | 190.3 | 174.8 | 159.4 | 143.9 | 128.5 |
| 105° | 304.4 | 304.4 | 304.4 | 304.3 | 304.1 | 303.8 | 303.6 | 303.4 |
| 107.5° | 385.4 | 385.4 | 385.5 | 385.2 | 384.5 | 383.7 | 383.0 | 382.4 |
| 110° | 437.8 | 437.2 | 436.5 | 436.3 | 436.5 | 436.7 | 436.9 | 437.2 |



TEST NUMBER: P333476-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 489.8 | 488.9 | 488.1 | 487.5 | 487.2 | 486.8 | 486.5 | 486.1 |
| 115° | 568.0 | 567.1 | 566.2 | 565.1 | 563.8 | 562.4 | 561.1 | 559.7 |
| 117.5° | 643.8 | 642.6 | 641.4 | 640.5 | 640.0 | 639.3 | 638.7 | 638.1 |
| 120° | 692.6 | 692.2 | 691.7 | 690.8 | 689.7 | 688.6 | 687.5 | 686.3 |
| 122.5° | 739.1 | 738.7 | 738.2 | 737.4 | 736.1 | 734.8 | 733.5 | 732.2 |
| 125° | 807.1 | 806.2 | 805.3 | 804.5 | 803.9 | 803.1 | 802.4 | 801.7 |
| 127.5° | 869.2 | 868.7 | 868.2 | 867.1 | 865.5 | 863.7 | 862.0 | 860.4 |
| 130° | 909.7 | 909.0 | 908.3 | 907.4 | 906.3 | 905.1 | 904.0 | 902.9 |
| 132.5° | 947.6 | 947.4 | 947.3 | 946.6 | 945.5 | 944.3 | 943.2 | 942.1 |
| 135° | 1003.1 | 1002.6 | 1002.2 | 1001.3 | 999.9 | 998.6 | 997.1 | 995.8 |
| 137.5° | 1054.8 | 1054.9 | 1055.0 | 1054.5 | 1053.3 | 1052.1 | 1051.0 | 1049.8 |
| 140° | 1086.6 | 1087.0 | 1087.5 | 1087.0 | 1085.7 | 1084.3 | 1083.0 | 1081.6 |
| 142.5° | 1117.7 | 1117.8 | 1117.9 | 1117.3 | 1115.9 | 1114.6 | 1113.2 | 1111.9 |
| 145° | 1161.7 | 1162.0 | 1162.2 | 1161.6 | 1160.2 | 1158.9 | 1157.5 | 1156.2 |
| 147.5° | 1199.4 | 1199.7 | 1199.9 | 1199.3 | 1197.6 | 1196.0 | 1194.4 | 1192.8 |
| 150° | 1223.5 | 1224.0 | 1224.4 | 1223.7 | 1221.8 | 1220.0 | 1218.2 | 1216.4 |
| 152.5° | 1244.7 | 1245.2 | 1245.6 | 1245.1 | 1243.3 | 1241.7 | 1240.1 | 1238.5 |
| 155° | 1273.9 | 1274.7 | 1275.4 | 1274.8 | 1272.9 | 1271.1 | 1269.3 | 1267.5 |
| 157.5° | 1298.2 | 1298.9 | 1299.6 | 1299.1 | 1297.3 | 1295.5 | 1293.6 | 1291.8 |
| 160° | 1313.2 | 1314.1 | 1315.0 | 1314.5 | 1312.8 | 1311.0 | 1309.2 | 1307.4 |
| 162.5° | 1327.1 | 1328.3 | 1329.6 | 1329.2 | 1327.2 | 1325.2 | 1323.2 | 1321.2 |
| 165° | 1344.7 | 1346.2 | 1347.5 | 1347.3 | 1345.4 | 1343.6 | 1341.8 | 1340.0 |
| 167.5° | 1358.2 | 1359.8 | 1361.5 | 1361.3 | 1359.2 | 1357.2 | 1355.1 | 1353.1 |
| 170° | 1365.1 | 1367.0 | 1368.8 | 1368.6 | 1366.5 | 1364.5 | 1362.5 | 1360.4 |
| 172.5° | 1370.5 | 1372.1 | 1373.7 | 1373.5 | 1371.5 | 1369.4 | 1367.4 | 1365.3 |
| 175° | 1376.3 | 1378.2 | 1380.0 | 1379.9 | 1377.8 | 1375.7 | 1373.7 | 1371.7 |
| 177.5° | 1378.7 | 1380.0 | 1381.3 | 1381.2 | 1379.7 | 1378.3 | 1376.8 | 1375.3 |
| 180° | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 | 1377.8 |

(END OF REPORT)