

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: P333477-840

Luminaire Tested: **S125DIW-S1270D1050U840-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333477-840
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: S125DIW-S1270D1050U840-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8850.7 lumens
Efficiency: N/A
Efficacy: 131.3 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

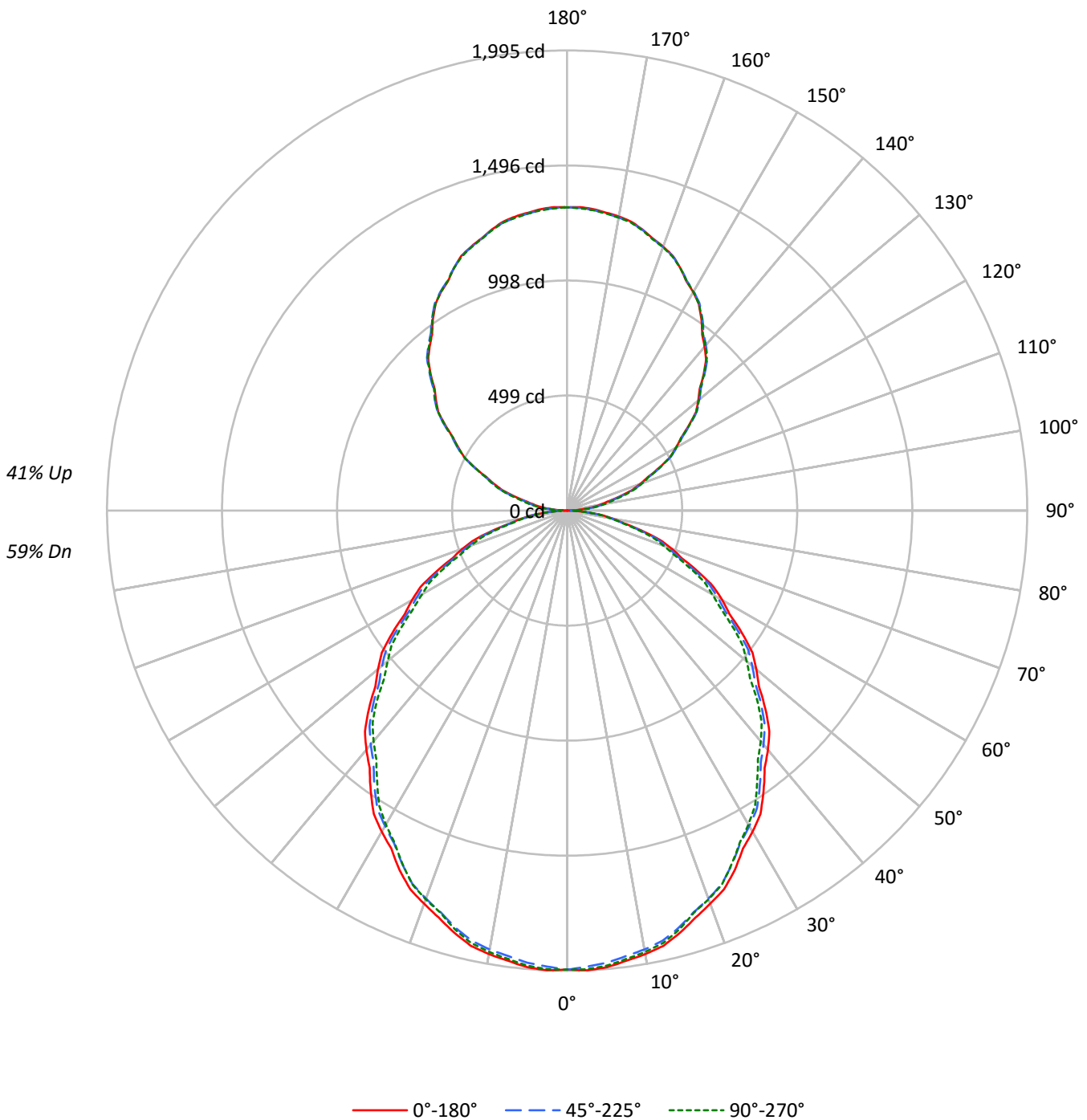
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333477-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333477-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-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 | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 64 | 64 | 64 | 59 |
| 1 | 100 | 95 | 91 | 88 | 93 | 89 | 85 | 82 | 77 | 75 | 72 | 66 | 65 | 63 | 56 | 55 | 54 | 49 |
| 2 | 91 | 83 | 77 | 72 | 84 | 78 | 72 | 68 | 68 | 63 | 60 | 58 | 55 | 52 | 50 | 47 | 45 | 41 |
| 3 | 83 | 73 | 66 | 60 | 77 | 68 | 62 | 56 | 60 | 54 | 50 | 51 | 48 | 44 | 44 | 41 | 39 | 35 |
| 4 | 76 | 65 | 57 | 50 | 70 | 61 | 53 | 48 | 53 | 47 | 43 | 46 | 41 | 38 | 39 | 36 | 33 | 30 |
| 5 | 70 | 58 | 49 | 43 | 65 | 54 | 47 | 41 | 47 | 42 | 37 | 41 | 37 | 33 | 35 | 32 | 29 | 26 |
| 6 | 64 | 52 | 44 | 38 | 60 | 49 | 41 | 36 | 43 | 37 | 32 | 37 | 32 | 29 | 32 | 28 | 25 | 23 |
| 7 | 59 | 47 | 39 | 33 | 55 | 44 | 37 | 31 | 39 | 33 | 28 | 34 | 29 | 26 | 29 | 26 | 23 | 20 |
| 8 | 55 | 43 | 35 | 29 | 51 | 40 | 33 | 28 | 35 | 30 | 25 | 31 | 26 | 23 | 27 | 23 | 20 | 18 |
| 9 | 51 | 39 | 31 | 26 | 48 | 37 | 30 | 25 | 33 | 27 | 23 | 29 | 24 | 21 | 25 | 21 | 18 | 16 |
| 10 | 48 | 36 | 28 | 23 | 45 | 34 | 27 | 22 | 30 | 24 | 21 | 26 | 22 | 19 | 23 | 19 | 17 | 15 |

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: P333477-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 187.6 | 2.1 |
| 10°-20° | 530.1 | 6.0 |
| 20°-30° | 782.7 | 8.8 |
| 30°-40° | 913.3 | 10.3 |
| 40°-50° | 917.2 | 10.4 |
| 50°-60° | 805.1 | 9.1 |
| 60°-70° | 599.9 | 6.8 |
| 70°-80° | 343.0 | 3.9 |
| 80°-90° | 102.7 | 1.2 |
| 90°-100° | 88.1 | 1.0 |
| 100°-110° | 260.1 | 2.9 |
| 110°-120° | 440.5 | 5.0 |
| 120°-130° | 579.7 | 6.5 |
| 130°-140° | 649.6 | 7.3 |
| 140°-150° | 636.6 | 7.2 |
| 150°-160° | 534.7 | 6.0 |
| 160°-170° | 355.4 | 4.0 |
| 170°-180° | 124.4 | 1.4 |
| 0°-30° | 1500.4 | 17.0 |
| 0°-40° | 2413.6 | 27.3 |
| 0°-60° | 4136.0 | 46.7 |
| 0°-90° | 5181.6 | 58.5 |
| 90°-120° | 788.6 | 8.9 |
| 90°-150° | 2654.6 | 30.0 |
| 90°-180° | 3669.0 | 41.5 |
| 0°-180° | 8850.7 | 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 | 8 |
| 95° | 67 | 69 | 79 | 86 | 88 | 71 |
| 105° | 233 | 238 | 245 | 251 | 254 | 249 |
| 115° | 441 | 445 | 447 | 446 | 445 | 436 |
| 125° | 644 | 649 | 651 | 649 | 648 | 576 |
| 135° | 837 | 843 | 844 | 844 | 840 | 645 |
| 145° | 1014 | 1018 | 1021 | 1021 | 1018 | 634 |
| 155° | 1160 | 1160 | 1161 | 1165 | 1160 | 534 |
| 165° | 1262 | 1260 | 1261 | 1264 | 1259 | 356 |
| 175° | 1312 | 1308 | 1308 | 1313 | 1307 | 125 |
| 180° | 1315 | 1315 | 1315 | 1315 | 1315 | |



TEST NUMBER: P333477-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-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° | 34.2 | 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 | 13.2 | 14.7 | 16.4 | 17.5 |
| 92.5° | 24.7 | 26.1 | 27.3 | 28.6 | 29.9 | 31.5 | 33.4 | 35.3 | 37.4 | 39.3 | 40.8 |
| 95° | 66.6 | 67.0 | 67.5 | 67.9 | 68.4 | 69.7 | 72.0 | 74.2 | 76.5 | 78.8 | 80.4 |
| 97.5° | 110.5 | 110.7 | 110.9 | 111.1 | 111.3 | 112.9 | 116.0 | 119.2 | 122.3 | 125.4 | 126.9 |
| 100° | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 144.7 | 147.6 | 150.7 | 153.6 | 156.5 | 158.6 |
| 102.5° | 178.4 | 179.4 | 180.3 | 181.2 | 182.1 | 183.3 | 184.8 | 186.3 | 187.8 | 189.3 | 191.6 |
| 105° | 233.3 | 234.4 | 235.6 | 236.7 | 237.8 | 239.1 | 240.4 | 241.9 | 243.2 | 244.6 | 245.9 |
| 107.5° | 293.9 | 295.0 | 296.2 | 297.3 | 298.4 | 299.5 | 300.5 | 301.6 | 302.7 | 303.7 | 304.4 |
| 110° | 335.6 | 336.8 | 337.9 | 339.0 | 340.2 | 341.1 | 341.7 | 342.4 | 343.2 | 343.9 | 344.5 |



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CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 378.2 | 378.8 | 379.4 | 380.0 | 380.5 | 381.3 | 382.1 | 383.0 | 383.8 | 384.8 | 385.1 |
| 115° | 441.0 | 441.9 | 442.8 | 443.7 | 444.6 | 445.4 | 445.8 | 446.3 | 446.7 | 447.2 | 447.0 |
| 117.5° | 504.0 | 504.4 | 504.8 | 505.2 | 505.7 | 506.1 | 506.5 | 507.0 | 507.4 | 507.8 | 508.0 |
| 120° | 543.3 | 544.5 | 545.6 | 546.7 | 547.9 | 548.6 | 548.8 | 549.1 | 549.3 | 549.5 | 549.5 |
| 122.5° | 585.9 | 586.3 | 586.7 | 587.1 | 587.5 | 588.0 | 588.7 | 589.3 | 589.9 | 590.5 | 590.3 |
| 125° | 643.6 | 645.0 | 646.3 | 647.7 | 649.0 | 649.8 | 650.2 | 650.4 | 650.6 | 650.8 | 650.4 |
| 127.5° | 705.0 | 705.8 | 706.6 | 707.3 | 708.1 | 708.6 | 708.9 | 709.2 | 709.4 | 709.7 | 709.5 |
| 130° | 741.8 | 743.0 | 744.2 | 745.3 | 746.4 | 747.2 | 747.7 | 748.1 | 748.6 | 749.0 | 748.8 |
| 132.5° | 778.7 | 780.5 | 782.4 | 784.3 | 786.2 | 787.1 | 787.0 | 786.9 | 786.8 | 786.7 | 786.5 |
| 135° | 837.0 | 838.4 | 839.7 | 841.1 | 842.5 | 843.2 | 843.5 | 843.7 | 843.9 | 844.1 | 844.1 |
| 137.5° | 891.9 | 893.2 | 894.5 | 895.9 | 897.2 | 898.1 | 898.6 | 899.1 | 899.6 | 900.1 | 900.3 |
| 140° | 927.1 | 928.2 | 929.4 | 930.5 | 931.6 | 932.5 | 933.2 | 933.9 | 934.5 | 935.2 | 935.7 |
| 142.5° | 962.3 | 963.2 | 964.2 | 965.1 | 966.1 | 967.0 | 967.9 | 968.8 | 969.6 | 970.5 | 970.7 |
| 145° | 1014.0 | 1014.9 | 1015.8 | 1016.7 | 1017.6 | 1018.4 | 1019.2 | 1019.9 | 1020.6 | 1021.2 | 1021.2 |
| 147.5° | 1062.0 | 1062.5 | 1063.0 | 1063.4 | 1063.9 | 1064.5 | 1065.0 | 1065.5 | 1066.1 | 1066.6 | 1067.2 |
| 150° | 1093.9 | 1093.7 | 1093.4 | 1093.2 | 1093.0 | 1093.3 | 1094.2 | 1095.1 | 1096.0 | 1096.9 | 1096.9 |
| 152.5° | 1120.0 | 1120.3 | 1120.6 | 1121.1 | 1121.4 | 1121.7 | 1122.1 | 1122.4 | 1122.8 | 1123.2 | 1123.7 |
| 155° | 1160.3 | 1160.3 | 1160.3 | 1160.3 | 1160.3 | 1160.4 | 1160.7 | 1160.9 | 1161.1 | 1161.4 | 1162.4 |
| 157.5° | 1196.4 | 1195.9 | 1195.4 | 1194.9 | 1194.4 | 1194.3 | 1194.5 | 1194.7 | 1195.0 | 1195.2 | 1196.1 |
| 160° | 1217.7 | 1217.0 | 1216.3 | 1215.7 | 1215.0 | 1214.8 | 1215.0 | 1215.2 | 1215.4 | 1215.7 | 1216.6 |
| 162.5° | 1236.5 | 1236.0 | 1235.5 | 1235.0 | 1234.5 | 1234.3 | 1234.4 | 1234.4 | 1234.5 | 1234.5 | 1235.6 |
| 165° | 1261.7 | 1261.2 | 1260.7 | 1260.3 | 1259.8 | 1259.7 | 1260.0 | 1260.2 | 1260.4 | 1260.6 | 1261.5 |
| 167.5° | 1282.9 | 1282.0 | 1281.1 | 1280.2 | 1279.3 | 1278.9 | 1278.9 | 1278.9 | 1278.9 | 1278.9 | 1280.2 |
| 170° | 1294.4 | 1293.5 | 1292.6 | 1291.7 | 1290.8 | 1290.3 | 1290.3 | 1290.3 | 1290.3 | 1290.3 | 1291.7 |
| 172.5° | 1302.6 | 1301.7 | 1300.8 | 1299.9 | 1299.0 | 1298.5 | 1298.5 | 1298.5 | 1298.5 | 1298.5 | 1299.9 |
| 175° | 1311.8 | 1310.9 | 1310.0 | 1309.1 | 1308.2 | 1307.7 | 1307.7 | 1307.7 | 1307.7 | 1307.7 | 1309.1 |
| 177.5° | 1316.6 | 1315.8 | 1315.0 | 1314.3 | 1313.6 | 1313.1 | 1312.9 | 1312.8 | 1312.6 | 1312.4 | 1313.5 |
| 180° | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 |



TEST NUMBER: P333477-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-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° | 36.5 | 36.7 | 37.0 | 36.9 | 36.5 | 36.0 | 35.5 | 35.1 |
| 90° | 18.7 | 19.8 | 20.9 | 21.8 | 22.5 | 23.2 | 23.8 | 24.5 |
| 92.5° | 42.3 | 43.8 | 45.3 | 46.3 | 46.8 | 47.3 | 47.8 | 48.3 |
| 95° | 82.0 | 83.5 | 85.1 | 86.1 | 86.6 | 87.1 | 87.6 | 88.0 |
| 97.5° | 128.5 | 130.0 | 131.5 | 132.3 | 132.6 | 132.9 | 133.2 | 133.4 |
| 100° | 160.7 | 162.7 | 164.7 | 166.0 | 166.4 | 166.9 | 167.3 | 167.8 |
| 102.5° | 193.8 | 196.0 | 198.2 | 199.7 | 200.3 | 201.0 | 201.6 | 202.2 |
| 105° | 247.3 | 248.6 | 250.0 | 251.1 | 251.8 | 252.4 | 253.1 | 253.8 |
| 107.5° | 305.1 | 305.8 | 306.4 | 306.8 | 306.7 | 306.7 | 306.6 | 306.6 |
| 110° | 345.2 | 345.9 | 346.6 | 346.8 | 346.6 | 346.3 | 346.1 | 345.9 |



TEST NUMBER: P333477-840

CATALOG NUMBER: S125DIW-S1270D1050U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 385.4 | 385.7 | 386.0 | 386.0 | 385.6 | 385.2 | 384.8 | 384.4 |
| 115° | 446.7 | 446.5 | 446.3 | 446.1 | 445.8 | 445.6 | 445.4 | 445.1 |
| 117.5° | 508.1 | 508.3 | 508.5 | 508.1 | 507.2 | 506.2 | 505.3 | 504.4 |
| 120° | 549.5 | 549.5 | 549.5 | 549.1 | 548.2 | 547.2 | 546.3 | 545.4 |
| 122.5° | 590.1 | 589.9 | 589.7 | 589.3 | 588.5 | 587.7 | 587.0 | 586.3 |
| 125° | 649.8 | 649.4 | 648.9 | 648.6 | 648.4 | 648.1 | 647.9 | 647.7 |
| 127.5° | 709.2 | 709.0 | 708.8 | 708.5 | 708.0 | 707.6 | 707.1 | 706.7 |
| 130° | 748.6 | 748.3 | 748.1 | 747.8 | 747.3 | 746.9 | 746.4 | 746.0 |
| 132.5° | 786.2 | 786.0 | 785.8 | 785.4 | 784.7 | 784.1 | 783.5 | 782.7 |
| 135° | 844.1 | 844.1 | 844.1 | 843.7 | 842.8 | 841.9 | 841.0 | 840.1 |
| 137.5° | 900.6 | 900.9 | 901.1 | 900.7 | 899.6 | 898.5 | 897.3 | 896.2 |
| 140° | 936.1 | 936.6 | 937.1 | 936.8 | 935.6 | 934.4 | 933.3 | 932.2 |
| 142.5° | 971.0 | 971.3 | 971.6 | 971.1 | 970.0 | 968.9 | 967.8 | 966.5 |
| 145° | 1021.2 | 1021.2 | 1021.2 | 1020.9 | 1020.2 | 1019.5 | 1018.9 | 1018.1 |
| 147.5° | 1067.7 | 1068.2 | 1068.8 | 1068.3 | 1066.8 | 1065.2 | 1063.7 | 1062.2 |
| 150° | 1096.9 | 1096.9 | 1096.9 | 1096.7 | 1096.2 | 1095.8 | 1095.3 | 1094.9 |
| 152.5° | 1124.2 | 1124.8 | 1125.3 | 1125.2 | 1124.4 | 1123.6 | 1122.7 | 1121.9 |
| 155° | 1163.3 | 1164.2 | 1165.1 | 1164.9 | 1163.8 | 1162.7 | 1161.5 | 1160.3 |
| 157.5° | 1197.0 | 1197.9 | 1198.8 | 1198.5 | 1197.0 | 1195.5 | 1194.0 | 1192.5 |
| 160° | 1217.5 | 1218.4 | 1219.3 | 1219.1 | 1218.0 | 1216.9 | 1215.8 | 1214.6 |
| 162.5° | 1236.7 | 1237.7 | 1238.8 | 1238.7 | 1237.4 | 1236.1 | 1234.8 | 1233.4 |
| 165° | 1262.4 | 1263.3 | 1264.3 | 1264.0 | 1262.7 | 1261.3 | 1260.0 | 1258.6 |
| 167.5° | 1281.6 | 1282.9 | 1284.3 | 1284.3 | 1282.9 | 1281.5 | 1280.1 | 1278.7 |
| 170° | 1293.0 | 1294.4 | 1295.8 | 1295.7 | 1294.0 | 1292.5 | 1290.9 | 1289.3 |
| 172.5° | 1301.2 | 1302.6 | 1303.9 | 1303.9 | 1302.5 | 1301.1 | 1299.7 | 1298.3 |
| 175° | 1310.4 | 1311.8 | 1313.2 | 1313.0 | 1311.5 | 1309.9 | 1308.3 | 1306.7 |
| 177.5° | 1314.6 | 1315.8 | 1316.8 | 1316.7 | 1315.5 | 1314.1 | 1312.9 | 1311.6 |
| 180° | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 | 1314.8 |

(END OF REPORT)