

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: P333338

Luminaire Tested: **S125DIP-S1270D1205U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333338
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-S1270D1205U835-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9298.2 lumens
Efficiency: N/A
Efficacy: 129.7 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

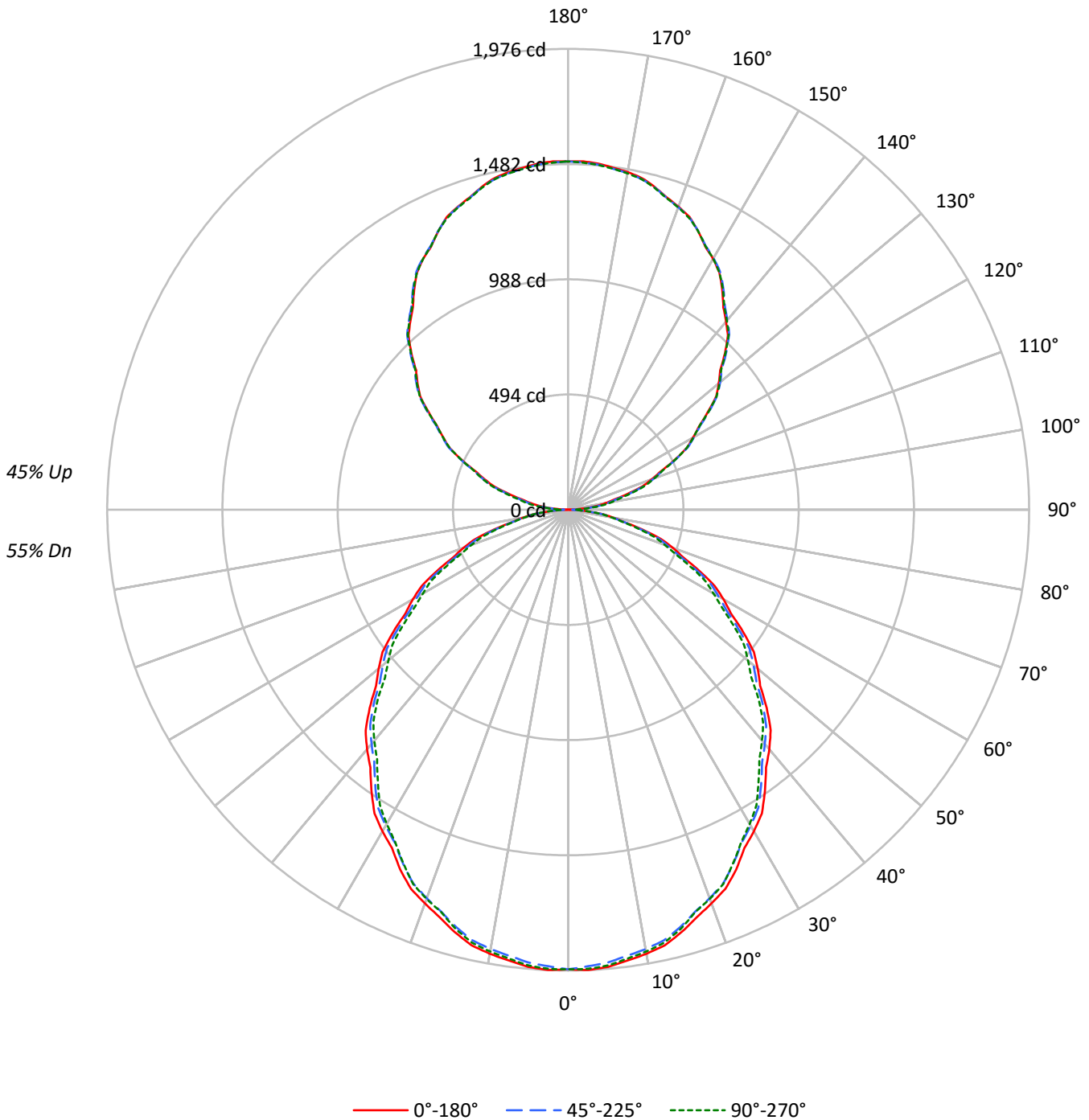
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333338

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333338

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-F1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 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 | 91 | 87 | 92 | 88 | 84 | 81 | 76 | 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 | 28 | 24 | | | | | | | | | | | | | | | | | | | | |
| 6 | 64 | 51 | 43 | 37 | 59 | 48 | 41 | 35 | 42 | 36 | 32 | 36 | 31 | 28 | 31 | 27 | 24 | 21 | | | | | | | | | | | | | | | | | | | | |
| 7 | 59 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 22 | 19 | | | | | | | | | | | | | | | | | | | | |
| 8 | 55 | 42 | 34 | 29 | 51 | 40 | 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 | 26 | 21 | 18 | 22 | 18 | 16 | 14 | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 12727 | 12727 | 12727 |
| 5° | 12756 | 12635 | 12716 |
| 10° | 12679 | 12545 | 12618 |
| 15° | 12541 | 12395 | 12447 |
| 20° | 12344 | 12183 | 12205 |
| 25° | 12133 | 11932 | 11921 |
| 30° | 11872 | 11662 | 11604 |
| 35° | 11591 | 11371 | 11211 |
| 40° | 11304 | 11054 | 10897 |
| 45° | 10993 | 10766 | 10552 |
| 50° | 10652 | 10417 | 10104 |
| 55° | 10323 | 10025 | 9743 |
| 60° | 9928 | 9627 | 9285 |
| 65° | 9459 | 9149 | 8839 |
| 70° | 9009 | 8597 | 8303 |
| 75° | 8210 | 7938 | 7663 |
| 80° | 7305 | 7189 | 7018 |
| 85° | 6358 | 6469 | 6121 |



TEST NUMBER: P333338

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 185.8 | 2.0 |
| 10°-20° | 524.9 | 5.6 |
| 20°-30° | 775.0 | 8.3 |
| 30°-40° | 904.3 | 9.7 |
| 40°-50° | 908.3 | 9.8 |
| 50°-60° | 797.3 | 8.6 |
| 60°-70° | 594.1 | 6.4 |
| 70°-80° | 339.7 | 3.7 |
| 80°-90° | 102.1 | 1.1 |
| 90°-100° | 100.0 | 1.1 |
| 100°-110° | 295.3 | 3.2 |
| 110°-120° | 500.2 | 5.4 |
| 120°-130° | 658.3 | 7.1 |
| 130°-140° | 737.7 | 7.9 |
| 140°-150° | 723.0 | 7.8 |
| 150°-160° | 607.3 | 6.5 |
| 160°-170° | 403.7 | 4.3 |
| 170°-180° | 141.3 | 1.5 |
| 0°-30° | 1485.7 | 16.0 |
| 0°-40° | 2390.0 | 25.7 |
| 0°-60° | 4095.6 | 44.0 |
| 0°-90° | 5131.4 | 55.2 |
| 90°-120° | 895.6 | 9.6 |
| 90°-150° | 3014.6 | 32.4 |
| 90°-180° | 4167.0 | 44.8 |
| 0°-180° | 9298.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1971 | 1971 | 1971 | 1971 | 1971 | |
| 5° | 1968 | 1964 | 1949 | 1962 | 1961 | 187 |
| 15° | 1876 | 1870 | 1854 | 1861 | 1862 | 528 |
| 25° | 1703 | 1694 | 1674 | 1677 | 1673 | 783 |
| 35° | 1470 | 1463 | 1442 | 1434 | 1422 | 919 |
| 45° | 1204 | 1197 | 1179 | 1161 | 1155 | 927 |
| 55° | 917 | 911 | 890 | 876 | 865 | 818 |
| 65° | 619 | 615 | 599 | 585 | 578 | 614 |
| 75° | 329 | 326 | 318 | 313 | 307 | 351 |
| 85° | 86 | 87 | 87 | 86 | 83 | 96 |
| 90° | 1 | 10 | 19 | 24 | 28 | 9 |
| 95° | 76 | 78 | 90 | 97 | 100 | 81 |
| 105° | 265 | 271 | 278 | 284 | 288 | 283 |
| 115° | 501 | 505 | 508 | 507 | 506 | 495 |
| 125° | 731 | 738 | 739 | 737 | 736 | 654 |
| 135° | 951 | 957 | 959 | 958 | 954 | 732 |
| 145° | 1152 | 1156 | 1160 | 1160 | 1156 | 720 |
| 155° | 1318 | 1318 | 1319 | 1323 | 1318 | 607 |
| 165° | 1433 | 1431 | 1432 | 1436 | 1429 | 404 |
| 175° | 1490 | 1485 | 1485 | 1491 | 1484 | 141 |
| 180° | 1493 | 1493 | 1493 | 1493 | 1493 | |



TEST NUMBER: P333338

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 |
| 2.5° | 1975.7 | 1974.9 | 1974.1 | 1973.2 | 1972.4 | 1970.6 | 1967.8 | 1965.0 | 1962.3 | 1959.5 | 1962.3 |
| 5° | 1967.6 | 1966.9 | 1966.2 | 1965.5 | 1964.8 | 1962.8 | 1959.3 | 1955.8 | 1952.4 | 1948.9 | 1952.0 |
| 7.5° | 1949.5 | 1948.8 | 1948.1 | 1947.4 | 1946.7 | 1944.5 | 1940.7 | 1936.9 | 1933.1 | 1929.3 | 1932.3 |
| 10° | 1933.3 | 1932.6 | 1931.9 | 1931.2 | 1930.5 | 1928.3 | 1924.5 | 1920.7 | 1916.8 | 1913.0 | 1915.8 |
| 12.5° | 1913.3 | 1912.1 | 1910.9 | 1909.6 | 1908.4 | 1906.0 | 1902.4 | 1898.9 | 1895.4 | 1891.8 | 1894.1 |
| 15° | 1875.6 | 1874.6 | 1873.5 | 1872.5 | 1871.5 | 1869.0 | 1865.2 | 1861.4 | 1857.6 | 1853.8 | 1855.5 |
| 17.5° | 1832.3 | 1830.8 | 1829.2 | 1827.7 | 1826.2 | 1823.4 | 1819.5 | 1815.5 | 1811.6 | 1807.6 | 1809.8 |
| 20° | 1796.1 | 1795.4 | 1794.7 | 1794.0 | 1793.3 | 1790.7 | 1786.2 | 1781.7 | 1777.2 | 1772.7 | 1775.1 |
| 22.5° | 1759.9 | 1758.7 | 1757.4 | 1756.2 | 1754.9 | 1752.2 | 1748.0 | 1743.8 | 1739.5 | 1735.3 | 1736.9 |
| 25° | 1702.6 | 1700.8 | 1699.1 | 1697.4 | 1695.6 | 1692.5 | 1688.0 | 1683.5 | 1679.0 | 1674.5 | 1675.2 |
| 27.5° | 1635.5 | 1634.5 | 1633.4 | 1632.4 | 1631.4 | 1628.5 | 1623.9 | 1619.2 | 1614.6 | 1609.9 | 1610.1 |
| 30° | 1591.9 | 1590.8 | 1589.8 | 1588.7 | 1587.7 | 1584.6 | 1579.4 | 1574.2 | 1569.0 | 1563.8 | 1563.1 |
| 32.5° | 1544.5 | 1542.9 | 1541.3 | 1539.7 | 1538.1 | 1535.0 | 1530.3 | 1525.7 | 1521.0 | 1516.4 | 1515.2 |
| 35° | 1470.2 | 1468.9 | 1467.5 | 1466.1 | 1464.7 | 1461.6 | 1456.7 | 1451.9 | 1447.0 | 1442.2 | 1440.5 |
| 37.5° | 1393.2 | 1391.5 | 1389.8 | 1388.0 | 1386.3 | 1383.1 | 1378.6 | 1374.0 | 1369.4 | 1364.9 | 1362.3 |
| 40° | 1340.8 | 1339.1 | 1337.4 | 1335.6 | 1333.9 | 1330.6 | 1325.8 | 1320.9 | 1316.1 | 1311.2 | 1308.1 |
| 42.5° | 1284.7 | 1283.3 | 1281.8 | 1280.3 | 1278.9 | 1275.7 | 1270.9 | 1266.0 | 1261.2 | 1256.3 | 1253.5 |
| 45° | 1203.6 | 1202.3 | 1200.9 | 1199.5 | 1198.1 | 1195.3 | 1191.2 | 1187.0 | 1182.9 | 1178.7 | 1174.5 |
| 47.5° | 1116.3 | 1116.4 | 1116.5 | 1116.5 | 1116.6 | 1114.1 | 1109.2 | 1104.2 | 1099.2 | 1094.2 | 1090.0 |
| 50° | 1060.2 | 1059.2 | 1058.1 | 1057.1 | 1056.0 | 1053.4 | 1049.3 | 1045.1 | 1041.0 | 1036.8 | 1032.3 |
| 52.5° | 1002.8 | 1002.1 | 1001.3 | 1000.5 | 999.8 | 997.2 | 992.7 | 988.3 | 983.9 | 979.4 | 975.5 |
| 55° | 916.8 | 915.7 | 914.7 | 913.6 | 912.6 | 909.7 | 904.8 | 900.0 | 895.1 | 890.3 | 887.1 |
| 57.5° | 826.0 | 825.5 | 824.9 | 824.4 | 823.8 | 821.5 | 817.4 | 813.3 | 809.2 | 805.1 | 801.1 |
| 60° | 768.6 | 767.3 | 765.9 | 764.5 | 763.1 | 760.5 | 756.7 | 752.9 | 749.1 | 745.3 | 741.8 |
| 62.5° | 708.8 | 707.7 | 706.6 | 705.4 | 704.3 | 702.2 | 698.9 | 695.6 | 692.4 | 689.1 | 685.4 |
| 65° | 619.0 | 618.3 | 617.6 | 616.9 | 616.2 | 613.9 | 610.1 | 606.3 | 602.5 | 598.7 | 595.6 |
| 67.5° | 532.0 | 530.5 | 529.1 | 527.6 | 526.2 | 524.0 | 521.2 | 518.3 | 515.5 | 512.6 | 510.0 |
| 70° | 477.1 | 475.4 | 473.6 | 471.9 | 470.2 | 467.7 | 464.6 | 461.5 | 458.4 | 455.3 | 453.2 |
| 72.5° | 417.2 | 416.0 | 414.9 | 413.7 | 412.5 | 410.9 | 408.9 | 406.9 | 404.9 | 402.9 | 400.5 |
| 75° | 329.0 | 328.3 | 327.6 | 326.9 | 326.2 | 325.0 | 323.3 | 321.5 | 319.8 | 318.1 | 317.0 |
| 77.5° | 247.6 | 247.3 | 247.0 | 246.8 | 246.5 | 245.9 | 244.9 | 243.9 | 242.9 | 242.0 | 241.4 |
| 80° | 196.4 | 196.4 | 196.4 | 196.4 | 196.4 | 196.1 | 195.4 | 194.7 | 194.0 | 193.3 | 193.0 |
| 82.5° | 151.5 | 151.0 | 150.4 | 149.9 | 149.3 | 149.0 | 148.8 | 148.7 | 148.6 | 148.4 | 147.8 |
| 85° | 85.8 | 86.1 | 86.4 | 86.8 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.0 |
| 87.5° | 33.9 | 34.3 | 34.7 | 35.1 | 35.6 | 35.8 | 35.9 | 36.0 | 36.1 | 36.1 | 36.4 |
| 90° | 1.2 | 3.2 | 5.3 | 7.4 | 9.4 | 11.4 | 13.2 | 15.0 | 16.8 | 18.6 | 19.9 |
| 92.5° | 28.1 | 29.6 | 31.0 | 32.5 | 33.9 | 35.7 | 38.0 | 40.2 | 42.4 | 44.6 | 46.3 |
| 95° | 75.5 | 76.0 | 76.6 | 77.1 | 77.6 | 79.1 | 81.7 | 84.3 | 86.9 | 89.5 | 91.3 |
| 97.5° | 125.5 | 125.7 | 125.9 | 126.1 | 126.3 | 128.2 | 131.8 | 135.3 | 138.9 | 142.5 | 144.2 |
| 100° | 162.7 | 162.7 | 162.7 | 162.7 | 162.7 | 164.4 | 167.7 | 171.1 | 174.4 | 177.8 | 180.1 |
| 102.5° | 202.7 | 203.7 | 204.7 | 205.8 | 206.8 | 208.2 | 209.9 | 211.6 | 213.3 | 215.0 | 217.5 |
| 105° | 264.9 | 266.2 | 267.5 | 268.8 | 270.1 | 271.5 | 273.1 | 274.6 | 276.2 | 277.7 | 279.3 |
| 107.5° | 333.7 | 335.0 | 336.3 | 337.6 | 338.9 | 340.1 | 341.3 | 342.5 | 343.7 | 344.9 | 345.7 |
| 110° | 381.2 | 382.4 | 383.7 | 385.0 | 386.3 | 387.3 | 388.1 | 388.9 | 389.7 | 390.4 | 391.2 |



TEST NUMBER: P333338

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 429.5 | 430.2 | 430.8 | 431.5 | 432.2 | 433.0 | 434.0 | 435.0 | 435.9 | 436.9 | 437.3 |
| 115° | 500.8 | 501.9 | 502.9 | 503.9 | 505.0 | 505.7 | 506.3 | 506.8 | 507.3 | 507.8 | 507.6 |
| 117.5° | 572.4 | 572.9 | 573.4 | 573.8 | 574.3 | 574.7 | 575.2 | 575.7 | 576.1 | 576.6 | 576.8 |
| 120° | 617.0 | 618.3 | 619.6 | 620.9 | 622.2 | 623.0 | 623.2 | 623.5 | 623.8 | 624.0 | 624.0 |
| 122.5° | 665.4 | 665.9 | 666.3 | 666.8 | 667.2 | 667.8 | 668.5 | 669.2 | 669.8 | 670.5 | 670.3 |
| 125° | 730.9 | 732.5 | 734.0 | 735.6 | 737.1 | 738.0 | 738.3 | 738.5 | 738.8 | 739.1 | 738.5 |
| 127.5° | 800.7 | 801.5 | 802.4 | 803.3 | 804.2 | 804.8 | 805.1 | 805.4 | 805.7 | 806.0 | 805.7 |
| 130° | 842.5 | 843.8 | 845.1 | 846.4 | 847.6 | 848.6 | 849.1 | 849.6 | 850.1 | 850.6 | 850.4 |
| 132.5° | 884.3 | 886.4 | 888.6 | 890.7 | 892.8 | 893.8 | 893.7 | 893.6 | 893.5 | 893.4 | 893.1 |
| 135° | 950.6 | 952.1 | 953.7 | 955.2 | 956.8 | 957.7 | 957.9 | 958.2 | 958.4 | 958.7 | 958.7 |
| 137.5° | 1012.8 | 1014.3 | 1015.8 | 1017.3 | 1018.8 | 1019.9 | 1020.4 | 1021.0 | 1021.6 | 1022.1 | 1022.4 |
| 140° | 1052.8 | 1054.1 | 1055.4 | 1056.7 | 1058.0 | 1059.0 | 1059.8 | 1060.6 | 1061.3 | 1062.1 | 1062.6 |
| 142.5° | 1092.8 | 1093.9 | 1095.0 | 1096.0 | 1097.1 | 1098.2 | 1099.1 | 1100.1 | 1101.1 | 1102.1 | 1102.4 |
| 145° | 1151.6 | 1152.6 | 1153.7 | 1154.7 | 1155.7 | 1156.6 | 1157.4 | 1158.2 | 1158.9 | 1159.7 | 1159.7 |
| 147.5° | 1206.0 | 1206.5 | 1207.1 | 1207.7 | 1208.2 | 1208.8 | 1209.5 | 1210.1 | 1210.7 | 1211.3 | 1211.9 |
| 150° | 1242.2 | 1242.0 | 1241.7 | 1241.5 | 1241.2 | 1241.6 | 1242.6 | 1243.6 | 1244.7 | 1245.7 | 1245.7 |
| 152.5° | 1272.0 | 1272.3 | 1272.7 | 1273.1 | 1273.4 | 1273.8 | 1274.2 | 1274.6 | 1275.1 | 1275.5 | 1276.1 |
| 155° | 1317.8 | 1317.8 | 1317.8 | 1317.8 | 1317.8 | 1317.9 | 1318.2 | 1318.4 | 1318.7 | 1318.9 | 1320.0 |
| 157.5° | 1358.7 | 1358.1 | 1357.5 | 1357.0 | 1356.4 | 1356.2 | 1356.5 | 1356.8 | 1357.0 | 1357.3 | 1358.3 |
| 160° | 1382.8 | 1382.1 | 1381.3 | 1380.5 | 1379.7 | 1379.5 | 1379.7 | 1380.0 | 1380.3 | 1380.5 | 1381.5 |
| 162.5° | 1404.2 | 1403.7 | 1403.1 | 1402.5 | 1401.9 | 1401.7 | 1401.7 | 1401.8 | 1401.8 | 1401.9 | 1403.1 |
| 165° | 1432.8 | 1432.3 | 1431.8 | 1431.3 | 1430.7 | 1430.6 | 1430.9 | 1431.1 | 1431.4 | 1431.6 | 1432.7 |
| 167.5° | 1457.0 | 1455.9 | 1454.9 | 1453.9 | 1452.8 | 1452.3 | 1452.3 | 1452.3 | 1452.3 | 1452.3 | 1453.9 |
| 170° | 1470.0 | 1469.0 | 1467.9 | 1466.9 | 1465.9 | 1465.3 | 1465.3 | 1465.3 | 1465.3 | 1465.3 | 1466.9 |
| 172.5° | 1479.3 | 1478.3 | 1477.2 | 1476.2 | 1475.2 | 1474.6 | 1474.6 | 1474.6 | 1474.6 | 1474.6 | 1476.2 |
| 175° | 1489.7 | 1488.7 | 1487.7 | 1486.6 | 1485.6 | 1485.1 | 1485.1 | 1485.1 | 1485.1 | 1485.1 | 1486.6 |
| 177.5° | 1495.1 | 1494.3 | 1493.4 | 1492.6 | 1491.8 | 1491.3 | 1491.1 | 1490.9 | 1490.6 | 1490.4 | 1491.7 |
| 180° | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 |



TEST NUMBER: P333338

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 | 1970.7 |
| 2.5° | 1965.0 | 1967.8 | 1970.6 | 1971.8 | 1971.6 | 1971.3 | 1971.0 | 1970.7 |
| 5° | 1955.1 | 1958.3 | 1961.4 | 1962.8 | 1962.4 | 1962.1 | 1961.7 | 1961.4 |
| 7.5° | 1935.3 | 1938.4 | 1941.4 | 1942.8 | 1942.5 | 1942.1 | 1941.8 | 1941.4 |
| 10° | 1918.6 | 1921.4 | 1924.1 | 1925.3 | 1925.0 | 1924.6 | 1924.3 | 1924.0 |
| 12.5° | 1896.3 | 1898.5 | 1900.7 | 1901.8 | 1901.7 | 1901.6 | 1901.6 | 1901.5 |
| 15° | 1857.3 | 1859.0 | 1860.7 | 1861.6 | 1861.6 | 1861.6 | 1861.6 | 1861.6 |
| 17.5° | 1811.9 | 1814.1 | 1816.2 | 1816.4 | 1814.7 | 1813.0 | 1811.2 | 1809.5 |
| 20° | 1777.6 | 1780.0 | 1782.4 | 1782.8 | 1781.0 | 1779.3 | 1777.6 | 1775.8 |
| 22.5° | 1738.5 | 1740.1 | 1741.7 | 1741.9 | 1740.7 | 1739.5 | 1738.3 | 1737.2 |
| 25° | 1675.9 | 1676.6 | 1677.3 | 1677.1 | 1676.1 | 1675.0 | 1674.0 | 1672.9 |
| 27.5° | 1610.2 | 1610.4 | 1610.5 | 1610.0 | 1609.0 | 1608.0 | 1606.9 | 1605.9 |
| 30° | 1562.4 | 1561.7 | 1561.0 | 1560.2 | 1559.1 | 1558.1 | 1557.0 | 1556.0 |
| 32.5° | 1513.9 | 1512.7 | 1511.4 | 1509.8 | 1508.0 | 1506.1 | 1504.2 | 1502.4 |
| 35° | 1438.7 | 1437.0 | 1435.3 | 1433.0 | 1430.2 | 1427.5 | 1424.7 | 1421.9 |
| 37.5° | 1359.7 | 1357.2 | 1354.6 | 1352.5 | 1350.9 | 1349.3 | 1347.7 | 1346.1 |
| 40° | 1305.0 | 1301.9 | 1298.7 | 1296.7 | 1295.6 | 1294.6 | 1293.5 | 1292.5 |
| 42.5° | 1250.7 | 1247.8 | 1245.0 | 1242.8 | 1241.2 | 1239.6 | 1238.0 | 1236.4 |
| 45° | 1170.4 | 1166.2 | 1162.1 | 1159.5 | 1158.4 | 1157.4 | 1156.3 | 1155.3 |
| 47.5° | 1085.7 | 1081.5 | 1077.3 | 1074.0 | 1071.5 | 1069.1 | 1066.7 | 1064.3 |
| 50° | 1027.8 | 1023.3 | 1018.8 | 1015.3 | 1012.9 | 1010.5 | 1008.1 | 1005.6 |
| 52.5° | 971.5 | 967.6 | 963.6 | 960.3 | 957.6 | 954.9 | 952.2 | 949.5 |
| 55° | 884.0 | 880.9 | 877.8 | 875.0 | 872.6 | 870.2 | 867.7 | 865.3 |
| 57.5° | 797.1 | 793.1 | 789.1 | 786.4 | 785.1 | 783.8 | 782.4 | 781.1 |
| 60° | 738.3 | 734.9 | 731.4 | 728.5 | 726.0 | 723.6 | 721.2 | 718.8 |
| 62.5° | 681.6 | 677.9 | 674.2 | 671.4 | 669.5 | 667.6 | 665.7 | 663.9 |
| 65° | 592.5 | 589.3 | 586.2 | 584.0 | 582.6 | 581.2 | 579.8 | 578.4 |
| 67.5° | 507.4 | 504.7 | 502.1 | 500.4 | 499.5 | 498.7 | 497.9 | 497.0 |
| 70° | 451.1 | 449.0 | 446.9 | 445.2 | 443.8 | 442.4 | 441.1 | 439.7 |
| 72.5° | 398.2 | 395.8 | 393.5 | 391.6 | 390.2 | 388.8 | 387.4 | 386.0 |
| 75° | 316.0 | 314.9 | 313.9 | 312.7 | 311.3 | 309.9 | 308.5 | 307.1 |
| 77.5° | 240.7 | 240.1 | 239.5 | 238.7 | 237.7 | 236.7 | 235.8 | 234.8 |
| 80° | 192.6 | 192.3 | 191.9 | 191.4 | 190.7 | 190.0 | 189.3 | 188.7 |
| 82.5° | 147.2 | 146.6 | 145.9 | 145.6 | 145.4 | 145.3 | 145.1 | 145.0 |
| 85° | 86.6 | 86.3 | 85.9 | 85.4 | 84.7 | 84.0 | 83.3 | 82.6 |
| 87.5° | 36.7 | 36.9 | 37.2 | 37.1 | 36.7 | 36.3 | 35.9 | 35.5 |
| 90° | 21.2 | 22.5 | 23.8 | 24.8 | 25.6 | 26.3 | 27.1 | 27.9 |
| 92.5° | 48.0 | 49.7 | 51.4 | 52.6 | 53.1 | 53.7 | 54.3 | 54.8 |
| 95° | 93.1 | 94.9 | 96.7 | 97.9 | 98.4 | 98.9 | 99.4 | 99.9 |
| 97.5° | 145.9 | 147.6 | 149.3 | 150.3 | 150.6 | 150.9 | 151.2 | 151.5 |
| 100° | 182.4 | 184.8 | 187.1 | 188.5 | 189.0 | 189.5 | 190.1 | 190.6 |
| 102.5° | 220.0 | 222.6 | 225.1 | 226.7 | 227.5 | 228.2 | 228.9 | 229.6 |
| 105° | 280.8 | 282.4 | 283.9 | 285.1 | 285.9 | 286.6 | 287.4 | 288.2 |
| 107.5° | 346.4 | 347.2 | 348.0 | 348.4 | 348.3 | 348.3 | 348.2 | 348.1 |
| 110° | 392.0 | 392.8 | 393.5 | 393.8 | 393.5 | 393.3 | 393.0 | 392.8 |



TEST NUMBER: P333338

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 437.7 | 438.0 | 438.4 | 438.3 | 437.9 | 437.4 | 436.9 | 436.5 |
| 115° | 507.3 | 507.0 | 506.8 | 506.5 | 506.3 | 506.0 | 505.7 | 505.5 |
| 117.5° | 577.0 | 577.2 | 577.4 | 577.0 | 576.0 | 575.0 | 573.9 | 572.9 |
| 120° | 624.0 | 624.0 | 624.0 | 623.5 | 622.5 | 621.4 | 620.4 | 619.4 |
| 122.5° | 670.1 | 669.9 | 669.7 | 669.2 | 668.3 | 667.5 | 666.7 | 665.9 |
| 125° | 738.0 | 737.5 | 737.0 | 736.6 | 736.4 | 736.1 | 735.8 | 735.6 |
| 127.5° | 805.5 | 805.2 | 805.0 | 804.6 | 804.1 | 803.5 | 803.0 | 802.5 |
| 130° | 850.1 | 849.8 | 849.6 | 849.2 | 848.7 | 848.2 | 847.6 | 847.1 |
| 132.5° | 892.9 | 892.6 | 892.3 | 891.9 | 891.1 | 890.4 | 889.7 | 889.0 |
| 135° | 958.7 | 958.7 | 958.7 | 958.2 | 957.1 | 956.1 | 955.1 | 954.0 |
| 137.5° | 1022.8 | 1023.1 | 1023.4 | 1022.9 | 1021.6 | 1020.3 | 1019.0 | 1017.7 |
| 140° | 1063.1 | 1063.7 | 1064.2 | 1063.8 | 1062.5 | 1061.2 | 1059.9 | 1058.6 |
| 142.5° | 1102.7 | 1103.0 | 1103.3 | 1102.8 | 1101.5 | 1100.3 | 1099.0 | 1097.7 |
| 145° | 1159.7 | 1159.7 | 1159.7 | 1159.3 | 1158.6 | 1157.8 | 1157.0 | 1156.2 |
| 147.5° | 1212.6 | 1213.2 | 1213.8 | 1213.2 | 1211.5 | 1209.7 | 1208.0 | 1206.2 |
| 150° | 1245.7 | 1245.7 | 1245.7 | 1245.5 | 1244.9 | 1244.4 | 1243.9 | 1243.4 |
| 152.5° | 1276.7 | 1277.3 | 1277.9 | 1277.8 | 1276.9 | 1275.9 | 1275.0 | 1274.1 |
| 155° | 1321.0 | 1322.0 | 1323.1 | 1322.9 | 1321.6 | 1320.3 | 1319.1 | 1317.8 |
| 157.5° | 1359.3 | 1360.4 | 1361.4 | 1361.1 | 1359.4 | 1357.7 | 1356.0 | 1354.3 |
| 160° | 1382.6 | 1383.6 | 1384.6 | 1384.5 | 1383.2 | 1381.9 | 1380.6 | 1379.4 |
| 162.5° | 1404.4 | 1405.6 | 1406.9 | 1406.7 | 1405.2 | 1403.7 | 1402.2 | 1400.7 |
| 165° | 1433.7 | 1434.7 | 1435.8 | 1435.5 | 1434.0 | 1432.4 | 1430.9 | 1429.3 |
| 167.5° | 1455.4 | 1457.0 | 1458.5 | 1458.5 | 1456.9 | 1455.3 | 1453.7 | 1452.1 |
| 170° | 1468.4 | 1470.0 | 1471.5 | 1471.4 | 1469.6 | 1467.8 | 1466.0 | 1464.2 |
| 172.5° | 1477.7 | 1479.3 | 1480.8 | 1480.8 | 1479.2 | 1477.6 | 1476.0 | 1474.4 |
| 175° | 1488.2 | 1489.7 | 1491.3 | 1491.2 | 1489.4 | 1487.6 | 1485.7 | 1483.9 |
| 177.5° | 1492.9 | 1494.2 | 1495.4 | 1495.3 | 1493.9 | 1492.4 | 1491.0 | 1489.5 |
| 180° | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 | 1493.2 |

(END OF REPORT)