

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: P333621-940

Luminaire Tested: **S125RDIP-S1270D590U940-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333621-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1270D590U940-4F0-1E-UDD-F4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6242.1 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Direct

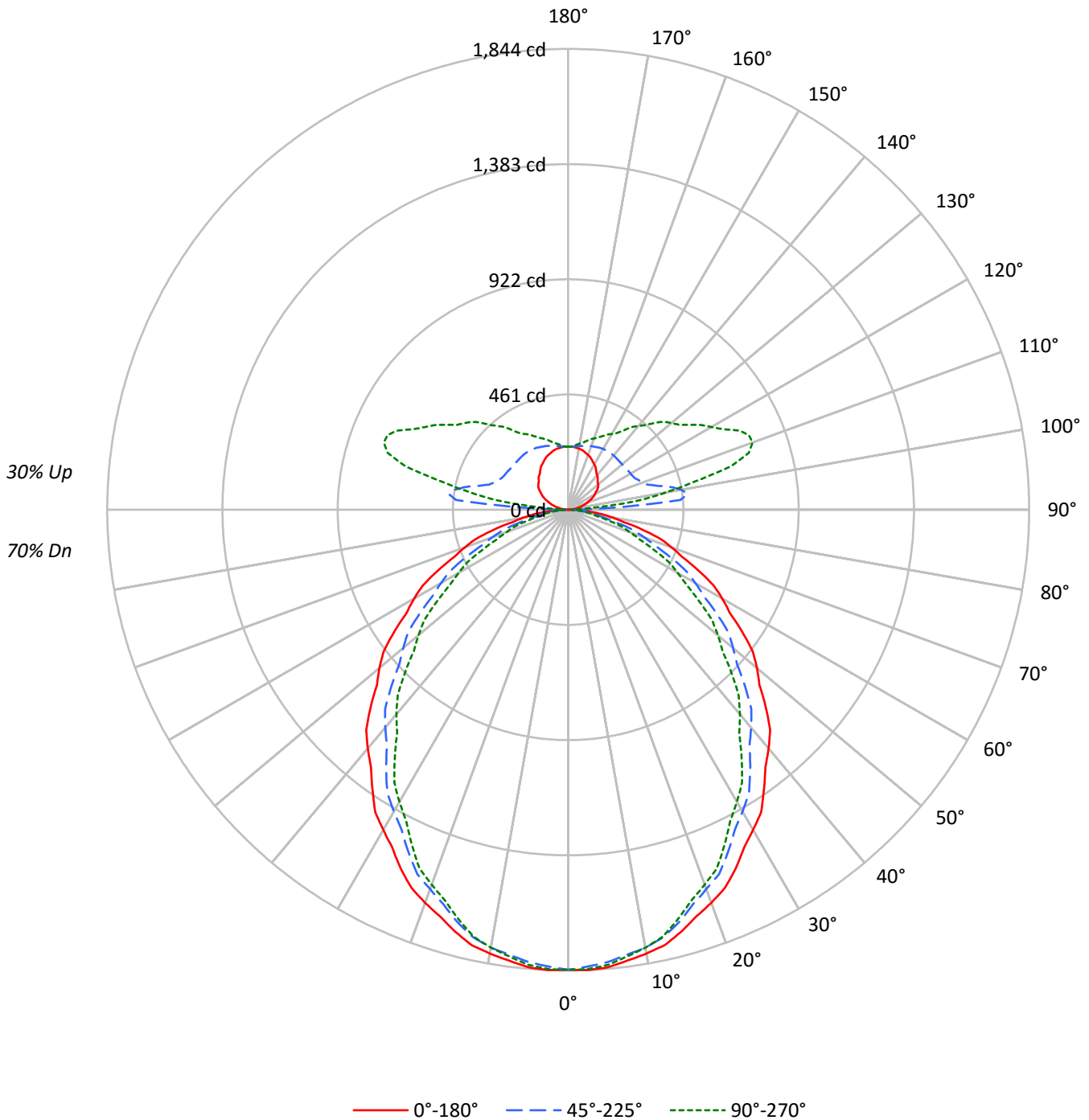
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333621-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P333621-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-F4

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 | 94 | 94 | 94 | 84 | 84 | 84 | 74 | 74 | 74 | 70 |
| 1 | 103 | 98 | 94 | 91 | 97 | 93 | 90 | 86 | 83 | 81 | 78 | 74 | 72 | 71 | 66 | 65 | 63 | 59 |
| 2 | 94 | 86 | 80 | 75 | 88 | 82 | 76 | 71 | 73 | 69 | 65 | 66 | 62 | 59 | 59 | 56 | 54 | 50 |
| 3 | 86 | 76 | 69 | 63 | 81 | 72 | 65 | 60 | 65 | 60 | 55 | 58 | 54 | 51 | 52 | 49 | 46 | 43 |
| 4 | 79 | 68 | 59 | 53 | 74 | 64 | 57 | 51 | 58 | 52 | 47 | 52 | 47 | 44 | 47 | 43 | 40 | 37 |
| 5 | 72 | 60 | 52 | 46 | 68 | 58 | 50 | 44 | 52 | 46 | 41 | 47 | 42 | 38 | 42 | 38 | 35 | 32 |
| 6 | 67 | 54 | 46 | 40 | 63 | 52 | 44 | 39 | 47 | 41 | 36 | 43 | 37 | 34 | 38 | 34 | 31 | 28 |
| 7 | 62 | 49 | 41 | 35 | 58 | 47 | 40 | 34 | 43 | 37 | 32 | 39 | 34 | 30 | 35 | 31 | 28 | 25 |
| 8 | 58 | 45 | 37 | 32 | 54 | 43 | 36 | 31 | 39 | 33 | 29 | 36 | 31 | 27 | 32 | 28 | 25 | 23 |
| 9 | 54 | 41 | 34 | 28 | 51 | 39 | 32 | 28 | 36 | 30 | 26 | 33 | 28 | 24 | 30 | 26 | 23 | 21 |
| 10 | 50 | 38 | 31 | 26 | 48 | 36 | 30 | 25 | 33 | 27 | 23 | 31 | 26 | 22 | 28 | 24 | 21 | 19 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11889 | 11889 | 11889 |
| 5° | 11916 | 11780 | 11852 |
| 10° | 11825 | 11671 | 11671 |
| 15° | 11685 | 11433 | 11340 |
| 20° | 11504 | 11103 | 10970 |
| 25° | 11294 | 10779 | 10541 |
| 30° | 11032 | 10399 | 10068 |
| 35° | 10764 | 10008 | 9536 |
| 40° | 10514 | 9599 | 9014 |
| 45° | 10209 | 9143 | 8444 |
| 50° | 9904 | 8647 | 7850 |
| 55° | 9549 | 8172 | 7218 |
| 60° | 9195 | 7596 | 6536 |
| 65° | 8775 | 6927 | 5757 |
| 70° | 8295 | 6090 | 4962 |
| 75° | 7633 | 5133 | 4127 |
| 80° | 6721 | 4032 | 3466 |
| 85° | 5669 | 3298 | 3090 |



TEST NUMBER: P333621-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 173.1 | 2.8 |
| 10°-20° | 483.7 | 7.7 |
| 20°-30° | 701.4 | 11.2 |
| 30°-40° | 799.4 | 12.8 |
| 40°-50° | 779.2 | 12.5 |
| 50°-60° | 655.9 | 10.5 |
| 60°-70° | 459.8 | 7.4 |
| 70°-80° | 236.3 | 3.8 |
| 80°-90° | 61.1 | 1.0 |
| 90°-100° | 182.9 | 2.9 |
| 100°-110° | 393.1 | 6.3 |
| 110°-120° | 369.0 | 5.9 |
| 120°-130° | 299.0 | 4.8 |
| 130°-140° | 240.0 | 3.8 |
| 140°-150° | 181.1 | 2.9 |
| 150°-160° | 127.5 | 2.0 |
| 160°-170° | 75.1 | 1.2 |
| 170°-180° | 24.4 | 0.4 |
| 0°-30° | 1358.2 | 21.8 |
| 0°-40° | 2157.6 | 34.6 |
| 0°-60° | 3592.8 | 57.6 |
| 0°-90° | 4350.0 | 69.7 |
| 90°-120° | 945.0 | 15.1 |
| 90°-150° | 1665.0 | 26.7 |
| 90°-180° | 1892.0 | 30.3 |
| 0°-180° | 6242.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1841 | 1841 | 1841 | 1841 | 1841 | |
| 5° | 1838 | 1832 | 1817 | 1830 | 1828 | 174 |
| 15° | 1748 | 1738 | 1710 | 1708 | 1696 | 492 |
| 25° | 1585 | 1562 | 1513 | 1495 | 1479 | 729 |
| 35° | 1365 | 1330 | 1269 | 1230 | 1210 | 854 |
| 45° | 1118 | 1075 | 1001 | 947 | 924 | 862 |
| 55° | 848 | 802 | 726 | 665 | 641 | 758 |
| 65° | 574 | 525 | 453 | 400 | 377 | 569 |
| 75° | 306 | 263 | 206 | 176 | 165 | 324 |
| 85° | 76 | 52 | 44 | 43 | 42 | 86 |
| 90° | 0 | 5 | 8 | 11 | 12 | 5 |
| 95° | 17 | 50 | 451 | 205 | 120 | 18 |
| 105° | 58 | 80 | 369 | 726 | 674 | 61 |
| 115° | 103 | 124 | 296 | 638 | 751 | 101 |
| 125° | 142 | 167 | 284 | 508 | 592 | 126 |
| 135° | 167 | 201 | 282 | 426 | 491 | 129 |
| 145° | 194 | 223 | 283 | 352 | 388 | 122 |
| 155° | 222 | 239 | 276 | 312 | 325 | 102 |
| 165° | 242 | 249 | 264 | 281 | 285 | 68 |
| 175° | 252 | 252 | 254 | 257 | 256 | 24 |
| 180° | 252 | 252 | 252 | 252 | 252 | |



TEST NUMBER: P333621-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 |
| 2.5° | 1844.1 | 1843.3 | 1842.5 | 1841.8 | 1841.1 | 1839.5 | 1837.0 | 1834.5 | 1832.1 | 1829.6 | 1832.1 |
| 5° | 1838.0 | 1836.7 | 1835.5 | 1834.2 | 1833.0 | 1830.7 | 1827.3 | 1823.9 | 1820.5 | 1817.1 | 1820.2 |
| 7.5° | 1819.9 | 1818.7 | 1817.6 | 1816.3 | 1815.2 | 1812.6 | 1808.5 | 1804.4 | 1800.4 | 1796.3 | 1798.4 |
| 10° | 1803.2 | 1802.2 | 1801.3 | 1800.5 | 1799.5 | 1796.9 | 1792.5 | 1788.2 | 1783.9 | 1779.6 | 1780.5 |
| 12.5° | 1784.3 | 1783.2 | 1781.9 | 1780.7 | 1779.6 | 1776.1 | 1770.3 | 1764.5 | 1758.6 | 1752.8 | 1753.5 |
| 15° | 1747.6 | 1745.7 | 1743.9 | 1742.0 | 1740.2 | 1736.0 | 1729.5 | 1723.1 | 1716.5 | 1710.0 | 1709.8 |
| 17.5° | 1706.1 | 1703.3 | 1700.5 | 1697.6 | 1694.8 | 1689.3 | 1681.1 | 1672.9 | 1664.8 | 1656.6 | 1655.1 |
| 20° | 1673.9 | 1670.8 | 1667.7 | 1664.6 | 1661.5 | 1655.0 | 1645.2 | 1635.3 | 1625.4 | 1615.5 | 1614.0 |
| 22.5° | 1638.3 | 1635.2 | 1632.1 | 1629.1 | 1625.9 | 1619.3 | 1608.8 | 1598.5 | 1588.0 | 1577.7 | 1574.7 |
| 25° | 1584.9 | 1580.3 | 1575.7 | 1571.0 | 1566.4 | 1558.4 | 1546.9 | 1535.5 | 1524.0 | 1512.6 | 1508.6 |
| 27.5° | 1523.8 | 1518.1 | 1512.5 | 1506.9 | 1501.3 | 1492.4 | 1480.1 | 1467.8 | 1455.6 | 1443.4 | 1437.8 |
| 30° | 1479.3 | 1473.4 | 1467.5 | 1461.7 | 1455.8 | 1446.4 | 1433.3 | 1420.4 | 1407.4 | 1394.5 | 1387.3 |
| 32.5° | 1435.9 | 1429.1 | 1422.2 | 1415.3 | 1408.5 | 1398.4 | 1385.2 | 1372.0 | 1358.7 | 1345.5 | 1337.7 |
| 35° | 1365.3 | 1357.8 | 1350.4 | 1343.0 | 1335.6 | 1324.9 | 1311.0 | 1297.2 | 1283.3 | 1269.4 | 1260.3 |
| 37.5° | 1296.0 | 1287.0 | 1278.0 | 1269.0 | 1259.9 | 1248.2 | 1233.9 | 1219.6 | 1205.2 | 1190.9 | 1180.2 |
| 40° | 1247.1 | 1237.8 | 1228.5 | 1219.2 | 1210.1 | 1197.9 | 1183.1 | 1168.3 | 1153.4 | 1138.6 | 1126.9 |
| 42.5° | 1196.0 | 1186.4 | 1176.9 | 1167.3 | 1157.9 | 1145.4 | 1130.2 | 1114.8 | 1099.5 | 1084.1 | 1072.9 |
| 45° | 1117.8 | 1108.8 | 1099.8 | 1090.9 | 1081.9 | 1069.0 | 1052.0 | 1035.0 | 1018.0 | 1001.0 | 988.6 |
| 47.5° | 1036.9 | 1027.4 | 1018.0 | 1008.5 | 999.1 | 985.8 | 968.7 | 951.5 | 934.4 | 917.3 | 904.6 |
| 50° | 985.7 | 975.5 | 965.3 | 955.1 | 944.9 | 931.0 | 913.4 | 895.8 | 878.2 | 860.6 | 847.6 |
| 52.5° | 930.1 | 919.6 | 909.2 | 898.8 | 888.3 | 874.8 | 858.2 | 841.6 | 824.9 | 808.3 | 794.3 |
| 55° | 848.1 | 838.2 | 828.3 | 818.4 | 808.5 | 795.0 | 777.7 | 760.4 | 743.1 | 725.8 | 711.9 |
| 57.5° | 765.2 | 754.7 | 744.0 | 733.5 | 722.9 | 709.4 | 692.7 | 675.9 | 659.2 | 642.6 | 629.0 |
| 60° | 711.9 | 701.0 | 690.2 | 679.4 | 668.6 | 654.8 | 638.1 | 621.4 | 604.8 | 588.1 | 574.5 |
| 62.5° | 655.1 | 644.8 | 634.5 | 624.1 | 613.9 | 600.2 | 583.3 | 566.3 | 549.4 | 532.4 | 519.9 |
| 65° | 574.2 | 563.7 | 553.2 | 542.7 | 532.2 | 518.7 | 502.4 | 486.0 | 469.6 | 453.3 | 440.9 |
| 67.5° | 493.8 | 483.3 | 472.8 | 462.4 | 451.8 | 438.7 | 423.0 | 407.3 | 391.6 | 375.9 | 364.6 |
| 70° | 439.3 | 428.8 | 418.3 | 407.8 | 397.3 | 384.3 | 368.9 | 353.5 | 338.0 | 322.5 | 313.0 |
| 72.5° | 385.9 | 375.7 | 365.4 | 355.2 | 344.9 | 332.5 | 318.1 | 303.6 | 289.2 | 274.7 | 265.9 |
| 75° | 305.9 | 296.6 | 287.3 | 278.0 | 268.8 | 257.7 | 244.7 | 231.8 | 218.7 | 205.7 | 198.9 |
| 77.5° | 226.3 | 218.9 | 211.5 | 204.1 | 196.7 | 187.8 | 177.4 | 167.0 | 156.7 | 146.2 | 141.5 |
| 80° | 180.7 | 173.3 | 165.9 | 158.5 | 151.1 | 143.0 | 134.4 | 125.7 | 117.1 | 108.4 | 105.7 |
| 82.5° | 136.3 | 129.6 | 122.9 | 116.2 | 109.6 | 103.3 | 97.3 | 91.4 | 85.4 | 79.5 | 78.2 |
| 85° | 76.5 | 70.9 | 65.4 | 59.7 | 54.2 | 50.6 | 49.1 | 47.6 | 46.0 | 44.5 | 44.1 |
| 87.5° | 25.7 | 24.1 | 22.6 | 21.0 | 19.4 | 18.7 | 18.5 | 18.5 | 18.4 | 18.3 | 18.4 |
| 90° | 0.5 | 1.0 | 2.1 | 3.0 | 4.1 | 5.1 | 5.6 | 6.6 | 7.1 | 8.1 | 8.6 |
| 92.5° | 6.2 | 7.5 | 11.8 | 18.1 | 26.8 | 41.7 | 69.5 | 116.1 | 166.7 | 164.0 | 132.8 |
| 95° | 16.8 | 17.3 | 21.4 | 26.9 | 38.2 | 61.1 | 115.5 | 227.4 | 367.7 | 450.7 | 441.0 |
| 97.5° | 27.9 | 28.4 | 31.3 | 36.9 | 47.0 | 63.5 | 99.5 | 181.5 | 328.4 | 481.3 | 558.0 |
| 100° | 35.6 | 36.6 | 38.7 | 44.2 | 53.9 | 69.2 | 98.7 | 164.8 | 293.0 | 459.3 | 586.5 |
| 102.5° | 44.1 | 44.8 | 46.4 | 52.4 | 61.3 | 76.1 | 102.4 | 157.9 | 266.1 | 420.6 | 569.4 |
| 105° | 57.5 | 57.5 | 60.0 | 65.1 | 73.2 | 87.5 | 109.9 | 155.2 | 240.0 | 368.8 | 514.8 |
| 107.5° | 70.5 | 71.5 | 73.9 | 78.1 | 86.6 | 99.4 | 121.1 | 159.8 | 229.1 | 333.1 | 459.1 |
| 110° | 79.9 | 80.9 | 82.9 | 87.5 | 95.1 | 108.3 | 129.2 | 164.3 | 225.9 | 316.4 | 427.3 |



TEST NUMBER: P333621-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 89.3 | 90.2 | 91.8 | 96.5 | 104.1 | 116.9 | 137.0 | 170.0 | 225.9 | 306.7 | 403.7 |
| 115° | 102.7 | 103.8 | 105.3 | 109.9 | 117.5 | 130.2 | 149.0 | 178.5 | 227.4 | 296.0 | 377.9 |
| 117.5° | 114.9 | 116.5 | 118.2 | 122.7 | 131.3 | 143.7 | 161.5 | 188.3 | 230.7 | 290.9 | 362.6 |
| 120° | 123.1 | 124.7 | 126.6 | 131.3 | 139.9 | 152.6 | 170.4 | 194.8 | 234.0 | 288.4 | 354.0 |
| 122.5° | 131.6 | 132.8 | 134.4 | 138.9 | 148.5 | 161.1 | 179.0 | 202.2 | 236.8 | 286.4 | 346.7 |
| 125° | 142.4 | 143.5 | 146.0 | 150.5 | 160.2 | 173.4 | 190.2 | 212.1 | 241.7 | 283.8 | 336.7 |
| 127.5° | 150.9 | 152.4 | 155.7 | 161.5 | 171.7 | 184.9 | 201.1 | 221.2 | 247.0 | 282.6 | 327.6 |
| 130° | 156.1 | 157.7 | 161.8 | 168.4 | 179.1 | 192.3 | 208.0 | 227.4 | 250.3 | 281.8 | 321.5 |
| 132.5° | 160.2 | 162.2 | 167.0 | 174.5 | 185.6 | 198.8 | 214.5 | 232.6 | 254.0 | 281.8 | 316.6 |
| 135° | 166.8 | 168.9 | 175.0 | 183.2 | 193.8 | 207.5 | 223.3 | 240.0 | 258.9 | 281.8 | 310.8 |
| 137.5° | 175.2 | 176.7 | 182.4 | 190.6 | 201.0 | 215.2 | 229.5 | 245.6 | 263.5 | 282.4 | 305.6 |
| 140° | 180.0 | 181.6 | 187.7 | 195.8 | 205.5 | 219.3 | 234.0 | 249.2 | 265.6 | 282.9 | 303.2 |
| 142.5° | 185.7 | 186.9 | 192.6 | 200.7 | 210.0 | 222.9 | 236.8 | 251.3 | 266.7 | 283.2 | 301.1 |
| 145° | 194.3 | 195.3 | 200.4 | 207.5 | 216.7 | 228.4 | 241.7 | 254.3 | 268.0 | 282.9 | 298.1 |
| 147.5° | 203.2 | 203.8 | 208.2 | 214.8 | 222.7 | 233.1 | 244.7 | 256.2 | 268.6 | 281.5 | 294.9 |
| 150° | 208.6 | 209.6 | 213.1 | 219.7 | 226.9 | 235.5 | 246.7 | 257.3 | 268.6 | 280.3 | 292.5 |
| 152.5° | 214.3 | 214.8 | 218.0 | 223.8 | 230.5 | 238.4 | 248.7 | 258.2 | 268.1 | 278.7 | 289.6 |
| 155° | 221.8 | 221.8 | 224.8 | 229.9 | 235.0 | 242.1 | 250.7 | 258.9 | 267.1 | 275.7 | 284.8 |
| 157.5° | 228.5 | 228.4 | 230.9 | 235.2 | 239.7 | 245.0 | 252.5 | 259.4 | 265.7 | 272.6 | 280.4 |
| 160° | 233.0 | 232.5 | 234.5 | 238.1 | 242.1 | 246.7 | 253.3 | 259.4 | 264.5 | 270.6 | 276.7 |
| 162.5° | 236.7 | 236.1 | 238.2 | 241.3 | 244.6 | 248.3 | 254.1 | 259.0 | 263.3 | 268.1 | 273.5 |
| 165° | 242.1 | 241.1 | 242.6 | 245.1 | 247.2 | 250.3 | 254.3 | 258.4 | 261.4 | 264.5 | 268.6 |
| 167.5° | 245.8 | 245.3 | 246.2 | 247.6 | 249.1 | 250.9 | 254.3 | 257.2 | 258.6 | 260.9 | 263.8 |
| 170° | 248.3 | 247.7 | 248.3 | 249.2 | 250.3 | 251.8 | 254.3 | 256.4 | 257.3 | 258.9 | 260.9 |
| 172.5° | 249.9 | 249.0 | 249.4 | 250.5 | 251.1 | 251.8 | 254.0 | 255.6 | 255.7 | 256.5 | 258.1 |
| 175° | 251.8 | 250.7 | 251.3 | 251.8 | 251.8 | 251.8 | 253.3 | 254.3 | 253.8 | 253.8 | 254.3 |
| 177.5° | 252.7 | 251.9 | 251.9 | 252.3 | 251.9 | 251.9 | 252.7 | 253.1 | 252.3 | 252.3 | 252.7 |
| 180° | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 |



TEST NUMBER: P333621-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 |
| 2.5° | 1834.5 | 1837.0 | 1839.5 | 1840.6 | 1840.4 | 1840.1 | 1839.9 | 1839.6 |
| 5° | 1823.3 | 1826.4 | 1829.4 | 1830.7 | 1830.1 | 1829.4 | 1828.8 | 1828.2 |
| 7.5° | 1800.5 | 1802.8 | 1804.9 | 1805.6 | 1804.9 | 1804.3 | 1803.6 | 1803.0 |
| 10° | 1781.4 | 1782.4 | 1783.2 | 1783.2 | 1782.4 | 1781.4 | 1780.5 | 1779.6 |
| 12.5° | 1754.3 | 1754.9 | 1755.6 | 1755.2 | 1753.8 | 1752.4 | 1751.0 | 1749.5 |
| 15° | 1709.4 | 1709.1 | 1708.8 | 1707.3 | 1704.5 | 1701.7 | 1698.9 | 1696.1 |
| 17.5° | 1653.6 | 1652.0 | 1650.5 | 1648.6 | 1646.3 | 1644.0 | 1641.7 | 1639.4 |
| 20° | 1612.4 | 1610.9 | 1609.4 | 1607.1 | 1604.4 | 1601.6 | 1598.8 | 1596.1 |
| 22.5° | 1571.6 | 1568.6 | 1565.6 | 1562.9 | 1560.7 | 1558.4 | 1556.0 | 1553.8 |
| 25° | 1504.6 | 1500.6 | 1496.6 | 1492.8 | 1489.4 | 1486.0 | 1482.6 | 1479.3 |
| 27.5° | 1432.2 | 1426.6 | 1420.9 | 1416.5 | 1413.2 | 1409.9 | 1406.6 | 1403.4 |
| 30° | 1380.3 | 1373.1 | 1366.0 | 1361.1 | 1358.3 | 1355.5 | 1352.7 | 1350.0 |
| 32.5° | 1329.8 | 1322.0 | 1314.1 | 1308.4 | 1304.9 | 1301.4 | 1297.9 | 1294.3 |
| 35° | 1251.4 | 1242.4 | 1233.5 | 1226.8 | 1222.5 | 1218.2 | 1213.9 | 1209.5 |
| 37.5° | 1169.4 | 1158.7 | 1147.9 | 1140.4 | 1136.2 | 1132.0 | 1127.8 | 1123.6 |
| 40° | 1115.2 | 1103.4 | 1091.7 | 1084.0 | 1080.2 | 1076.6 | 1072.8 | 1069.2 |
| 42.5° | 1061.7 | 1050.4 | 1039.2 | 1030.8 | 1025.4 | 1019.9 | 1014.5 | 1009.1 |
| 45° | 976.2 | 963.9 | 951.5 | 943.1 | 938.4 | 933.8 | 929.2 | 924.5 |
| 47.5° | 891.9 | 879.1 | 866.4 | 857.5 | 852.3 | 847.2 | 842.0 | 837.0 |
| 50° | 834.6 | 821.6 | 808.7 | 799.9 | 795.2 | 790.6 | 786.0 | 781.3 |
| 52.5° | 780.3 | 766.4 | 752.4 | 743.2 | 738.5 | 733.9 | 729.2 | 724.6 |
| 55° | 697.9 | 684.0 | 670.1 | 660.7 | 655.8 | 650.8 | 645.9 | 641.0 |
| 57.5° | 615.4 | 601.8 | 588.2 | 579.3 | 574.8 | 570.4 | 566.1 | 561.7 |
| 60° | 560.9 | 547.3 | 533.7 | 524.6 | 520.0 | 515.3 | 510.7 | 506.0 |
| 62.5° | 507.3 | 494.6 | 482.1 | 473.4 | 468.8 | 464.1 | 459.5 | 454.9 |
| 65° | 428.6 | 416.2 | 403.8 | 395.3 | 390.7 | 386.0 | 381.4 | 376.7 |
| 67.5° | 353.3 | 342.0 | 330.7 | 323.2 | 319.5 | 315.8 | 312.1 | 308.4 |
| 70° | 303.4 | 293.8 | 284.3 | 277.6 | 273.8 | 270.2 | 266.4 | 262.8 |
| 72.5° | 257.1 | 248.3 | 239.3 | 233.7 | 231.2 | 228.8 | 226.3 | 223.8 |
| 75° | 192.2 | 185.4 | 178.6 | 174.1 | 171.9 | 169.8 | 167.6 | 165.4 |
| 77.5° | 136.7 | 132.0 | 127.2 | 124.0 | 122.4 | 120.8 | 119.2 | 117.6 |
| 80° | 102.9 | 100.1 | 97.3 | 95.6 | 95.0 | 94.3 | 93.8 | 93.2 |
| 82.5° | 77.0 | 75.6 | 74.4 | 73.5 | 73.1 | 72.8 | 72.4 | 72.1 |
| 85° | 43.9 | 43.6 | 43.2 | 43.0 | 42.6 | 42.4 | 42.0 | 41.7 |
| 87.5° | 18.5 | 18.6 | 18.7 | 18.8 | 18.5 | 18.3 | 18.2 | 17.9 |
| 90° | 9.2 | 9.6 | 10.2 | 11.1 | 11.1 | 11.1 | 11.7 | 11.7 |
| 92.5° | 90.2 | 65.5 | 49.2 | 41.7 | 35.2 | 34.0 | 33.3 | 32.5 |
| 95° | 365.7 | 288.4 | 225.9 | 183.2 | 147.0 | 131.7 | 127.7 | 119.6 |
| 97.5° | 544.7 | 490.4 | 429.5 | 370.1 | 338.7 | 310.1 | 295.4 | 288.9 |
| 100° | 625.6 | 600.7 | 548.3 | 495.4 | 460.3 | 423.7 | 404.9 | 396.7 |
| 102.5° | 652.9 | 668.2 | 643.1 | 607.3 | 569.8 | 543.8 | 523.3 | 517.2 |
| 105° | 636.9 | 706.5 | 728.9 | 723.3 | 707.0 | 690.3 | 680.1 | 674.0 |
| 107.5° | 579.4 | 672.4 | 730.0 | 756.4 | 764.7 | 764.6 | 761.3 | 757.2 |
| 110° | 537.2 | 633.8 | 705.5 | 748.8 | 771.6 | 781.3 | 784.9 | 784.9 |



TEST NUMBER: P333621-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 503.8 | 595.6 | 668.1 | 719.1 | 752.5 | 769.1 | 777.9 | 781.6 |
| 115° | 461.8 | 540.7 | 610.4 | 665.8 | 705.5 | 730.0 | 744.1 | 750.8 |
| 117.5° | 434.8 | 502.7 | 562.8 | 613.7 | 653.4 | 678.6 | 692.7 | 696.8 |
| 120° | 420.2 | 481.2 | 537.2 | 581.9 | 619.6 | 644.0 | 657.7 | 661.7 |
| 122.5° | 409.2 | 465.7 | 515.6 | 557.5 | 591.0 | 613.4 | 627.1 | 630.8 |
| 125° | 393.2 | 445.1 | 489.4 | 525.9 | 554.5 | 575.3 | 586.5 | 591.6 |
| 127.5° | 376.9 | 425.3 | 466.6 | 501.0 | 526.7 | 545.2 | 555.7 | 558.0 |
| 130° | 366.8 | 411.5 | 451.2 | 484.2 | 509.7 | 526.5 | 536.6 | 539.7 |
| 132.5° | 356.6 | 398.5 | 434.5 | 466.4 | 491.8 | 508.5 | 517.9 | 521.4 |
| 135° | 343.3 | 378.4 | 411.0 | 440.0 | 462.4 | 479.1 | 488.3 | 491.3 |
| 137.5° | 332.2 | 360.5 | 387.6 | 412.2 | 432.2 | 447.5 | 455.9 | 459.3 |
| 140° | 326.0 | 350.0 | 373.4 | 394.8 | 413.6 | 426.8 | 434.4 | 436.9 |
| 142.5° | 320.7 | 341.0 | 361.1 | 379.7 | 395.7 | 406.8 | 414.0 | 416.2 |
| 145° | 313.9 | 329.6 | 345.4 | 359.1 | 371.3 | 380.0 | 385.6 | 387.6 |
| 147.5° | 307.4 | 320.1 | 332.3 | 342.6 | 352.3 | 359.2 | 362.5 | 363.4 |
| 150° | 303.6 | 314.9 | 324.5 | 333.7 | 341.3 | 347.4 | 349.5 | 350.0 |
| 152.5° | 299.6 | 309.6 | 318.4 | 325.6 | 332.0 | 336.8 | 338.9 | 339.4 |
| 155° | 293.5 | 301.7 | 308.7 | 314.3 | 319.4 | 323.0 | 324.5 | 325.0 |
| 157.5° | 287.4 | 294.1 | 299.6 | 304.0 | 307.9 | 310.9 | 312.3 | 312.2 |
| 160° | 283.3 | 288.4 | 293.5 | 297.0 | 300.6 | 303.2 | 304.2 | 303.6 |
| 162.5° | 278.8 | 283.6 | 287.8 | 291.0 | 293.7 | 295.9 | 296.0 | 296.0 |
| 165° | 272.6 | 276.2 | 279.3 | 281.8 | 283.8 | 284.8 | 284.8 | 284.8 |
| 167.5° | 266.7 | 269.1 | 271.4 | 273.2 | 274.3 | 275.2 | 274.7 | 274.6 |
| 170° | 263.5 | 265.0 | 266.5 | 267.5 | 268.6 | 269.1 | 269.1 | 268.6 |
| 172.5° | 259.8 | 261.4 | 262.4 | 263.1 | 263.3 | 264.2 | 263.4 | 262.9 |
| 175° | 255.8 | 255.8 | 256.9 | 256.9 | 256.9 | 257.3 | 256.4 | 255.8 |
| 177.5° | 253.1 | 253.5 | 253.5 | 253.5 | 253.1 | 253.5 | 252.3 | 252.3 |
| 180° | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 | 252.3 |

(END OF REPORT)