

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: P334284

Luminaire Tested: **S125DS-S1270D927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DS-S1270D927-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 1270 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3902.8 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.53
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Direct

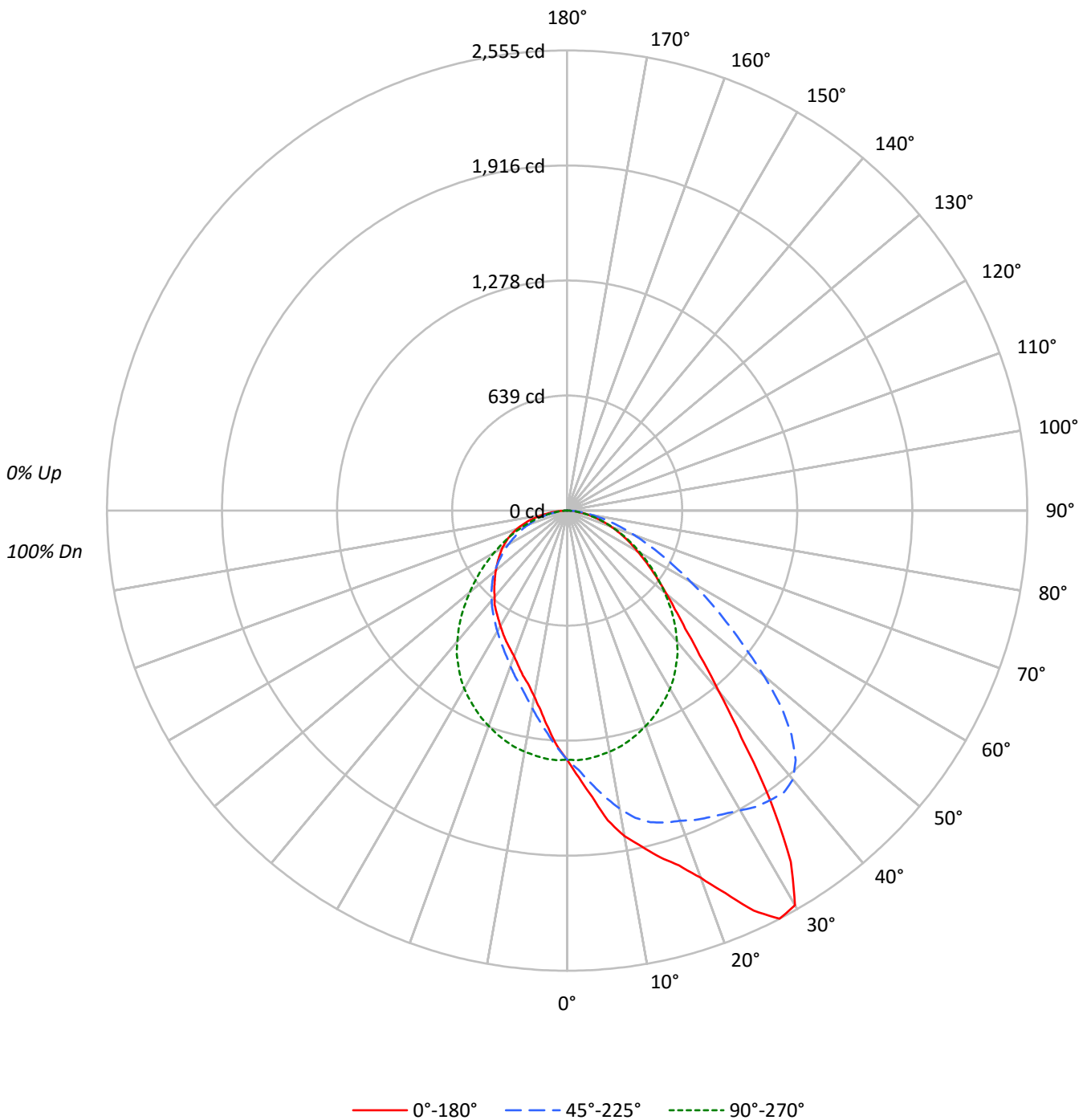
Input Watts (W): 41.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P334284

CATALOG NUMBER: S125DS-S1270D927-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P334284

CATALOG NUMBER: S125DS-S1270D927-4F0-1E-UDD-A

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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | 100 | | | |
| 1 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 | | | | | 85 | | | |
| 2 | 100 | 92 | 86 | 80 | 98 | 90 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 76 | 81 | 77 | 74 | 72 | | | | | 72 | | | |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 61 | | | | | 61 | | | |
| 4 | 84 | 73 | 64 | 58 | 82 | 71 | 63 | 57 | 69 | 62 | 57 | 67 | 61 | 56 | 64 | 59 | 55 | 53 | | | | | 53 | | | |
| 5 | 78 | 65 | 56 | 50 | 76 | 64 | 56 | 50 | 62 | 55 | 49 | 60 | 54 | 49 | 58 | 53 | 48 | 46 | | | | | 46 | | | |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 41 | | | | | 41 | | | |
| 7 | 67 | 53 | 45 | 39 | 65 | 53 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 38 | 48 | 42 | 38 | 36 | | | | | 36 | | | |
| 8 | 62 | 49 | 41 | 35 | 61 | 48 | 40 | 35 | 47 | 40 | 34 | 46 | 39 | 34 | 44 | 39 | 34 | 32 | | | | | 32 | | | |
| 9 | 58 | 45 | 37 | 31 | 57 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 29 | | | | | 29 | | | |
| 10 | 54 | 41 | 34 | 28 | 53 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | | | 26 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|------|------|
| 0° | 8932 | 8932 | 8932 |
| 5° | 10344 | 8962 | 7847 |
| 10° | 12034 | 8916 | 6875 |
| 15° | 13321 | 8850 | 6343 |
| 20° | 14911 | 8746 | 5915 |
| 25° | 17469 | 8630 | 5706 |
| 30° | 18867 | 8514 | 5524 |
| 35° | 15514 | 8298 | 5405 |
| 40° | 11027 | 7997 | 5276 |
| 45° | 8471 | 7592 | 5201 |
| 50° | 7231 | 7089 | 5190 |
| 55° | 6437 | 6596 | 5235 |
| 60° | 5807 | 6058 | 5368 |
| 65° | 5364 | 5517 | 5508 |
| 70° | 4877 | 4955 | 5587 |
| 75° | 4307 | 4364 | 5537 |
| 80° | 3623 | 3559 | 5066 |
| 85° | 2868 | 2564 | 4090 |



TEST NUMBER: P334284

CATALOG NUMBER: S125DS-S1270D927-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.1 | 3.4 |
| 10°-20° | 396.5 | 10.2 |
| 20°-30° | 644.0 | 16.5 |
| 30°-40° | 787.0 | 20.2 |
| 40°-50° | 714.0 | 18.3 |
| 50°-60° | 568.7 | 14.6 |
| 60°-70° | 396.1 | 10.1 |
| 70°-80° | 211.0 | 5.4 |
| 80°-90° | 52.3 | 1.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1173.6 | 30.1 |
| 0°-40° | 1960.6 | 50.2 |
| 0°-60° | 3243.4 | 83.1 |
| 0°-90° | 3902.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3902.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1383 | 1383 | 1383 | 1383 | 1383 | |
| 5° | 1596 | 1520 | 1382 | 1243 | 1210 | 160 |
| 15° | 1992 | 1791 | 1324 | 1004 | 949 | 569 |
| 25° | 2451 | 1878 | 1211 | 841 | 801 | 1123 |
| 35° | 1968 | 1964 | 1052 | 713 | 686 | 1207 |
| 45° | 928 | 1762 | 831 | 590 | 569 | 738 |
| 55° | 572 | 1080 | 586 | 450 | 465 | 514 |
| 65° | 351 | 572 | 361 | 304 | 360 | 348 |
| 75° | 173 | 255 | 175 | 160 | 222 | 186 |
| 85° | 39 | 51 | 35 | 38 | 55 | 45 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P334284

CATALOG NUMBER: S125DS-S1270D927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 |
| 2.5° | 1482.8 | 1480.4 | 1478.1 | 1473.4 | 1476.9 | 1466.9 | 1462.2 | 1454.0 | 1444.0 | 1440.5 | 1436.4 |
| 5° | 1595.5 | 1598.4 | 1601.4 | 1589.0 | 1590.2 | 1582.0 | 1563.2 | 1547.9 | 1535.6 | 1519.8 | 1508.6 |
| 7.5° | 1735.2 | 1726.4 | 1727.0 | 1719.4 | 1705.9 | 1694.7 | 1676.5 | 1651.3 | 1628.4 | 1602.5 | 1580.2 |
| 10° | 1835.0 | 1835.6 | 1830.3 | 1820.9 | 1806.2 | 1795.7 | 1769.8 | 1745.2 | 1715.2 | 1680.0 | 1654.8 |
| 12.5° | 1910.1 | 1913.1 | 1906.0 | 1892.5 | 1887.2 | 1860.2 | 1841.5 | 1810.9 | 1773.9 | 1747.5 | 1705.9 |
| 15° | 1992.3 | 1985.9 | 1981.2 | 1965.3 | 1953.0 | 1928.3 | 1896.0 | 1865.5 | 1826.8 | 1791.0 | 1755.2 |
| 17.5° | 2065.1 | 2070.4 | 2062.8 | 2051.0 | 2014.6 | 1985.9 | 1945.9 | 1907.2 | 1860.8 | 1816.2 | 1774.5 |
| 20° | 2169.6 | 2174.3 | 2160.8 | 2135.5 | 2089.8 | 2061.0 | 2004.1 | 1950.0 | 1894.3 | 1832.6 | 1785.7 |
| 22.5° | 2299.9 | 2294.0 | 2274.7 | 2233.0 | 2194.8 | 2135.5 | 2072.7 | 2004.1 | 1930.7 | 1859.1 | 1792.7 |
| 25° | 2451.4 | 2426.7 | 2415.5 | 2368.0 | 2315.8 | 2237.7 | 2153.2 | 2056.9 | 1970.0 | 1877.8 | 1798.0 |
| 27.5° | 2554.7 | 2544.7 | 2528.8 | 2490.1 | 2430.2 | 2341.6 | 2241.8 | 2126.7 | 2009.9 | 1897.2 | 1796.8 |
| 30° | 2530.0 | 2531.2 | 2532.4 | 2521.8 | 2486.6 | 2423.8 | 2324.6 | 2198.4 | 2052.8 | 1921.9 | 1800.9 |
| 32.5° | 2311.6 | 2338.1 | 2363.3 | 2396.2 | 2417.3 | 2417.9 | 2365.1 | 2254.1 | 2103.3 | 1950.0 | 1798.6 |
| 35° | 1967.7 | 1974.1 | 2040.4 | 2106.2 | 2195.4 | 2264.7 | 2311.1 | 2260.6 | 2134.4 | 1963.5 | 1796.8 |
| 37.5° | 1590.8 | 1623.1 | 1673.0 | 1746.9 | 1880.8 | 1990.0 | 2133.2 | 2182.5 | 2123.2 | 1974.7 | 1796.3 |
| 40° | 1307.9 | 1337.2 | 1367.1 | 1442.9 | 1551.5 | 1691.2 | 1859.6 | 2003.5 | 2036.9 | 1950.0 | 1778.6 |
| 42.5° | 1089.5 | 1111.2 | 1145.3 | 1197.5 | 1283.8 | 1403.5 | 1562.6 | 1761.6 | 1897.8 | 1878.4 | 1741.7 |
| 45° | 927.5 | 942.2 | 968.0 | 1013.2 | 1078.9 | 1175.8 | 1317.8 | 1523.3 | 1702.3 | 1761.6 | 1678.8 |
| 47.5° | 812.4 | 813.0 | 834.1 | 866.4 | 916.3 | 1005.5 | 1111.8 | 1280.9 | 1474.0 | 1610.8 | 1591.4 |
| 50° | 719.7 | 716.7 | 732.6 | 759.6 | 797.2 | 851.8 | 952.1 | 1080.7 | 1264.4 | 1424.7 | 1469.3 |
| 52.5° | 639.8 | 641.0 | 649.2 | 667.4 | 697.4 | 742.0 | 810.7 | 923.4 | 1073.6 | 1239.2 | 1333.1 |
| 55° | 571.7 | 569.4 | 580.6 | 594.1 | 616.9 | 647.5 | 701.5 | 790.1 | 917.5 | 1079.5 | 1188.7 |
| 57.5° | 506.0 | 512.5 | 517.2 | 526.5 | 546.5 | 567.6 | 615.8 | 683.9 | 788.9 | 932.8 | 1048.4 |
| 60° | 449.6 | 456.1 | 459.6 | 469.0 | 484.3 | 501.9 | 537.1 | 589.9 | 675.1 | 794.8 | 909.3 |
| 62.5° | 399.2 | 403.9 | 404.5 | 412.7 | 424.4 | 441.4 | 467.3 | 509.5 | 572.3 | 673.3 | 784.8 |
| 65° | 351.0 | 351.0 | 353.4 | 362.2 | 368.1 | 383.3 | 404.5 | 436.7 | 490.7 | 572.3 | 668.0 |
| 67.5° | 304.1 | 307.0 | 306.4 | 310.5 | 315.8 | 328.7 | 344.6 | 371.6 | 414.4 | 476.1 | 555.3 |
| 70° | 258.3 | 260.6 | 260.0 | 263.0 | 268.9 | 276.5 | 288.8 | 314.1 | 342.8 | 393.9 | 459.6 |
| 72.5° | 217.2 | 217.8 | 216.0 | 220.1 | 223.1 | 229.5 | 243.6 | 254.2 | 280.6 | 321.7 | 372.8 |
| 75° | 172.6 | 173.8 | 174.9 | 177.3 | 180.8 | 184.3 | 191.4 | 204.9 | 222.5 | 254.8 | 289.4 |
| 77.5° | 137.4 | 134.4 | 137.9 | 137.4 | 139.1 | 142.1 | 148.5 | 156.1 | 171.4 | 193.1 | 221.9 |
| 80° | 97.4 | 98.0 | 98.0 | 98.6 | 101.6 | 103.3 | 108.6 | 113.9 | 125.0 | 140.3 | 159.1 |
| 82.5° | 64.6 | 66.3 | 65.2 | 66.3 | 68.7 | 69.9 | 72.2 | 76.3 | 81.6 | 92.7 | 105.1 |
| 85° | 38.7 | 35.8 | 37.0 | 38.2 | 38.2 | 38.7 | 41.1 | 42.9 | 46.4 | 51.1 | 56.4 |
| 87.5° | 14.1 | 15.3 | 15.8 | 15.8 | 16.4 | 16.4 | 18.8 | 18.8 | 20.5 | 22.3 | 24.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P334284

CATALOG NUMBER: S125DS-S1270D927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 |
| 2.5° | 1432.9 | 1428.8 | 1424.1 | 1415.9 | 1405.9 | 1400.6 | 1392.4 | 1387.1 | 1376.5 | 1367.7 | 1358.3 |
| 5° | 1495.1 | 1479.9 | 1465.8 | 1447.6 | 1427.6 | 1414.7 | 1399.4 | 1382.4 | 1364.8 | 1346.6 | 1326.6 |
| 7.5° | 1557.3 | 1532.1 | 1504.5 | 1475.7 | 1447.6 | 1421.2 | 1396.5 | 1371.3 | 1348.4 | 1319.6 | 1295.5 |
| 10° | 1620.1 | 1586.1 | 1549.7 | 1506.9 | 1465.2 | 1428.8 | 1391.8 | 1359.5 | 1326.6 | 1291.4 | 1260.3 |
| 12.5° | 1683.0 | 1634.8 | 1579.6 | 1531.5 | 1479.3 | 1433.5 | 1388.3 | 1344.8 | 1301.4 | 1261.5 | 1223.9 |
| 15° | 1705.9 | 1665.9 | 1618.4 | 1551.5 | 1495.1 | 1434.7 | 1377.1 | 1323.7 | 1273.8 | 1230.4 | 1184.6 |
| 17.5° | 1728.2 | 1677.1 | 1626.6 | 1562.0 | 1488.7 | 1423.5 | 1358.3 | 1300.2 | 1245.0 | 1190.5 | 1148.8 |
| 20° | 1733.4 | 1680.6 | 1627.2 | 1564.4 | 1488.7 | 1411.2 | 1346.0 | 1272.6 | 1212.2 | 1155.2 | 1101.2 |
| 22.5° | 1731.7 | 1670.0 | 1610.8 | 1545.6 | 1472.2 | 1402.4 | 1320.2 | 1245.0 | 1178.1 | 1122.4 | 1065.4 |
| 25° | 1718.8 | 1654.8 | 1582.0 | 1516.8 | 1444.0 | 1368.3 | 1288.5 | 1211.0 | 1144.1 | 1080.1 | 1024.3 |
| 27.5° | 1711.1 | 1630.1 | 1550.3 | 1475.2 | 1405.3 | 1335.4 | 1258.0 | 1178.1 | 1104.8 | 1039.6 | 987.9 |
| 30° | 1694.1 | 1603.1 | 1510.4 | 1431.1 | 1358.9 | 1291.4 | 1219.2 | 1141.7 | 1064.2 | 1000.9 | 944.5 |
| 32.5° | 1678.8 | 1569.1 | 1469.9 | 1381.8 | 1304.3 | 1239.2 | 1174.0 | 1101.2 | 1025.5 | 960.9 | 904.6 |
| 35° | 1658.3 | 1535.6 | 1423.5 | 1326.1 | 1244.5 | 1177.0 | 1121.2 | 1052.5 | 982.7 | 920.4 | 866.4 |
| 37.5° | 1634.2 | 1492.2 | 1373.6 | 1272.1 | 1183.4 | 1113.0 | 1060.1 | 1006.7 | 936.9 | 875.8 | 827.7 |
| 40° | 1604.9 | 1445.2 | 1317.8 | 1213.4 | 1120.6 | 1046.6 | 998.5 | 948.6 | 892.8 | 837.1 | 785.4 |
| 42.5° | 1567.9 | 1403.0 | 1261.5 | 1147.0 | 1055.4 | 983.8 | 932.8 | 892.3 | 844.7 | 793.6 | 746.7 |
| 45° | 1520.9 | 1350.1 | 1199.8 | 1078.9 | 986.2 | 915.1 | 862.9 | 831.2 | 794.2 | 744.9 | 704.4 |
| 47.5° | 1458.7 | 1290.2 | 1135.3 | 1010.2 | 914.6 | 848.8 | 798.9 | 767.8 | 740.8 | 702.1 | 663.9 |
| 50° | 1370.1 | 1221.6 | 1064.2 | 940.4 | 844.7 | 778.4 | 733.2 | 705.6 | 683.3 | 655.1 | 624.0 |
| 52.5° | 1270.9 | 1135.3 | 994.4 | 872.3 | 777.8 | 712.6 | 668.6 | 645.1 | 627.5 | 609.3 | 578.8 |
| 55° | 1164.6 | 1047.2 | 913.4 | 797.2 | 709.7 | 645.7 | 607.0 | 585.8 | 570.6 | 555.3 | 536.5 |
| 57.5° | 1050.2 | 955.1 | 832.4 | 723.8 | 642.8 | 582.9 | 546.5 | 524.8 | 512.5 | 504.2 | 492.5 |
| 60° | 928.1 | 849.4 | 747.3 | 650.4 | 571.7 | 520.1 | 484.9 | 469.0 | 459.0 | 452.6 | 444.4 |
| 62.5° | 814.8 | 753.7 | 661.0 | 574.7 | 508.4 | 460.2 | 429.7 | 414.4 | 405.0 | 402.7 | 396.2 |
| 65° | 703.8 | 653.9 | 575.9 | 502.5 | 443.8 | 402.1 | 375.7 | 361.0 | 355.1 | 351.6 | 352.2 |
| 67.5° | 592.3 | 560.0 | 494.8 | 430.3 | 382.1 | 345.2 | 323.4 | 312.3 | 309.4 | 304.1 | 304.1 |
| 70° | 491.9 | 469.0 | 416.2 | 361.6 | 319.9 | 292.9 | 274.1 | 262.4 | 259.5 | 257.1 | 256.5 |
| 72.5° | 403.3 | 383.9 | 339.9 | 298.8 | 262.4 | 239.5 | 224.8 | 219.0 | 213.7 | 212.5 | 212.5 |
| 75° | 316.4 | 305.2 | 268.9 | 234.2 | 208.4 | 192.0 | 181.4 | 174.9 | 171.4 | 170.8 | 171.4 |
| 77.5° | 238.9 | 228.3 | 203.1 | 177.3 | 160.3 | 147.3 | 137.4 | 135.6 | 130.9 | 131.5 | 130.3 |
| 80° | 169.1 | 162.6 | 147.9 | 128.6 | 115.1 | 104.5 | 99.8 | 95.7 | 94.5 | 92.7 | 94.5 |
| 82.5° | 110.9 | 103.9 | 95.1 | 84.5 | 74.0 | 68.7 | 64.0 | 63.4 | 62.8 | 62.2 | 62.2 |
| 85° | 60.5 | 61.0 | 55.2 | 45.8 | 41.1 | 37.6 | 34.6 | 34.6 | 34.0 | 33.5 | 34.0 |
| 87.5° | 25.8 | 24.7 | 22.3 | 20.5 | 17.6 | 15.8 | 15.3 | 15.8 | 14.1 | 13.5 | 14.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P334284

CATALOG NUMBER: S125DS-S1270D927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 | 1383.0 |
| 2.5° | 1353.1 | 1346.6 | 1341.3 | 1329.6 | 1323.1 | 1314.3 | 1307.3 | 1314.9 | 1306.7 | 1310.2 | 1304.9 |
| 5° | 1316.7 | 1300.2 | 1288.5 | 1271.5 | 1256.8 | 1243.3 | 1233.3 | 1231.5 | 1226.9 | 1224.5 | 1217.5 |
| 7.5° | 1273.2 | 1254.4 | 1235.1 | 1213.9 | 1196.3 | 1177.5 | 1166.4 | 1155.8 | 1149.4 | 1141.1 | 1134.7 |
| 10° | 1235.7 | 1208.1 | 1184.6 | 1157.6 | 1134.1 | 1113.6 | 1097.1 | 1088.9 | 1081.3 | 1070.1 | 1066.0 |
| 12.5° | 1189.3 | 1160.5 | 1130.6 | 1101.2 | 1078.9 | 1055.4 | 1041.9 | 1028.4 | 1023.7 | 1010.8 | 1010.2 |
| 15° | 1154.1 | 1111.2 | 1083.0 | 1053.7 | 1022.6 | 1003.8 | 992.0 | 978.5 | 972.7 | 963.9 | 957.4 |
| 17.5° | 1110.6 | 1071.9 | 1036.7 | 1006.7 | 978.5 | 963.3 | 948.0 | 938.6 | 928.7 | 922.2 | 911.6 |
| 20° | 1062.5 | 1026.1 | 990.9 | 958.6 | 938.0 | 919.8 | 908.1 | 899.3 | 888.7 | 885.8 | 875.2 |
| 22.5° | 1022.0 | 980.9 | 947.4 | 921.6 | 898.7 | 877.6 | 864.7 | 859.4 | 852.9 | 842.4 | 842.4 |
| 25° | 977.4 | 935.7 | 906.9 | 879.9 | 860.0 | 841.2 | 832.4 | 824.7 | 817.7 | 811.2 | 808.9 |
| 27.5° | 939.8 | 902.8 | 867.6 | 842.9 | 825.9 | 808.3 | 800.7 | 790.7 | 785.4 | 780.1 | 773.1 |
| 30° | 899.9 | 861.7 | 831.8 | 808.3 | 789.5 | 774.3 | 766.0 | 759.6 | 754.9 | 750.2 | 746.7 |
| 32.5° | 858.8 | 824.2 | 795.4 | 772.5 | 753.7 | 743.2 | 736.1 | 732.0 | 726.7 | 720.8 | 716.2 |
| 35° | 823.6 | 784.8 | 756.7 | 736.7 | 722.0 | 713.2 | 705.0 | 700.9 | 695.0 | 695.0 | 690.3 |
| 37.5° | 781.9 | 747.9 | 722.6 | 704.4 | 691.5 | 683.3 | 673.9 | 671.5 | 667.4 | 665.1 | 663.3 |
| 40° | 745.5 | 714.4 | 690.9 | 672.7 | 658.6 | 652.2 | 645.1 | 640.4 | 638.1 | 635.1 | 634.0 |
| 42.5° | 707.9 | 678.6 | 656.3 | 639.8 | 628.1 | 622.8 | 616.4 | 613.4 | 608.1 | 604.0 | 603.4 |
| 45° | 669.8 | 641.0 | 620.5 | 607.0 | 596.4 | 589.9 | 585.8 | 578.8 | 576.4 | 571.7 | 571.2 |
| 47.5° | 634.6 | 606.4 | 585.8 | 574.7 | 565.3 | 560.6 | 554.1 | 546.5 | 543.6 | 540.6 | 540.0 |
| 50° | 594.1 | 568.8 | 550.0 | 539.5 | 530.7 | 523.0 | 516.6 | 511.9 | 510.1 | 510.1 | 511.3 |
| 52.5° | 553.0 | 532.4 | 517.2 | 503.7 | 495.4 | 487.2 | 481.3 | 479.0 | 476.1 | 479.6 | 481.9 |
| 55° | 513.0 | 491.3 | 479.6 | 467.3 | 459.0 | 449.6 | 446.7 | 445.5 | 443.8 | 448.5 | 450.8 |
| 57.5° | 470.2 | 455.5 | 441.4 | 428.5 | 421.5 | 415.6 | 410.9 | 410.3 | 413.8 | 415.0 | 422.1 |
| 60° | 429.7 | 412.1 | 399.8 | 390.4 | 381.6 | 378.0 | 376.9 | 375.7 | 378.0 | 384.5 | 394.5 |
| 62.5° | 385.1 | 371.6 | 358.1 | 351.6 | 345.7 | 339.3 | 339.3 | 340.5 | 345.7 | 353.4 | 363.4 |
| 65° | 341.6 | 329.3 | 320.5 | 312.3 | 307.0 | 303.5 | 304.7 | 307.0 | 312.3 | 322.3 | 333.4 |
| 67.5° | 297.0 | 288.8 | 280.6 | 273.0 | 267.7 | 268.3 | 268.9 | 271.8 | 278.2 | 290.0 | 300.5 |
| 70° | 254.2 | 244.8 | 238.3 | 235.4 | 231.3 | 228.9 | 232.5 | 238.3 | 243.6 | 254.2 | 263.0 |
| 72.5° | 211.3 | 203.7 | 199.0 | 197.2 | 196.1 | 194.3 | 194.9 | 201.3 | 209.0 | 219.5 | 230.1 |
| 75° | 169.1 | 166.1 | 162.6 | 160.3 | 158.5 | 159.7 | 160.8 | 166.7 | 172.6 | 183.7 | 195.5 |
| 77.5° | 130.9 | 127.4 | 125.0 | 124.4 | 123.3 | 123.9 | 126.8 | 131.5 | 137.4 | 145.6 | 155.0 |
| 80° | 93.3 | 92.2 | 91.0 | 90.4 | 90.4 | 91.0 | 95.7 | 98.6 | 103.9 | 111.5 | 118.6 |
| 82.5° | 61.6 | 61.0 | 61.0 | 61.0 | 61.6 | 61.6 | 64.0 | 68.1 | 72.2 | 77.5 | 83.4 |
| 85° | 35.8 | 34.6 | 36.4 | 37.0 | 35.8 | 37.6 | 38.7 | 41.1 | 42.9 | 45.8 | 48.7 |
| 87.5° | 14.7 | 15.8 | 15.3 | 15.8 | 15.8 | 17.0 | 16.4 | 18.8 | 20.0 | 21.1 | 20.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P334284

CATALOG NUMBER: S125DS-S1270D927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1383.0 | 1383.0 | 1383.0 | 1383.0 |
| 2.5° | 1301.4 | 1305.5 | 1302.0 | 1306.7 |
| 5° | 1214.5 | 1209.2 | 1212.8 | 1210.4 |
| 7.5° | 1134.1 | 1129.4 | 1122.4 | 1120.0 |
| 10° | 1059.6 | 1053.1 | 1052.5 | 1048.4 |
| 12.5° | 1005.0 | 999.1 | 990.9 | 989.7 |
| 15° | 953.9 | 949.2 | 945.1 | 948.6 |
| 17.5° | 910.5 | 906.3 | 905.2 | 901.6 |
| 20° | 869.9 | 867.0 | 868.2 | 860.6 |
| 22.5° | 837.7 | 831.2 | 830.0 | 830.0 |
| 25° | 803.6 | 800.7 | 797.7 | 800.7 |
| 27.5° | 773.7 | 770.7 | 769.6 | 770.2 |
| 30° | 746.7 | 740.8 | 741.4 | 740.8 |
| 32.5° | 717.3 | 713.8 | 712.6 | 711.5 |
| 35° | 688.6 | 688.6 | 685.6 | 685.6 |
| 37.5° | 662.1 | 661.6 | 659.8 | 661.0 |
| 40° | 631.6 | 631.0 | 629.3 | 625.8 |
| 42.5° | 602.3 | 599.9 | 599.3 | 598.8 |
| 45° | 571.2 | 571.2 | 570.0 | 569.4 |
| 47.5° | 540.6 | 541.8 | 544.2 | 543.6 |
| 50° | 513.6 | 514.2 | 516.0 | 516.6 |
| 52.5° | 483.7 | 487.8 | 490.2 | 489.6 |
| 55° | 456.1 | 460.2 | 464.3 | 464.9 |
| 57.5° | 428.5 | 433.8 | 437.9 | 439.1 |
| 60° | 400.3 | 408.0 | 413.3 | 415.6 |
| 62.5° | 373.3 | 382.1 | 387.4 | 387.4 |
| 65° | 343.4 | 352.2 | 356.9 | 360.4 |
| 67.5° | 312.3 | 321.1 | 325.8 | 328.7 |
| 70° | 277.7 | 286.5 | 293.5 | 295.9 |
| 72.5° | 243.6 | 251.2 | 256.5 | 259.5 |
| 75° | 203.1 | 213.7 | 219.0 | 221.9 |
| 77.5° | 164.4 | 174.9 | 177.9 | 179.6 |
| 80° | 125.6 | 131.5 | 135.6 | 136.2 |
| 82.5° | 89.2 | 93.9 | 94.5 | 96.3 |
| 85° | 52.8 | 55.2 | 55.8 | 55.2 |
| 87.5° | 21.7 | 21.1 | 21.1 | 22.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)