

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: P333434

Luminaire Tested: **S125DIW-S1090D470U835-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333434
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-S1090D470U835-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6315.5 lumens
Efficiency: N/A
Efficacy: 136.7 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: Semi-Direct

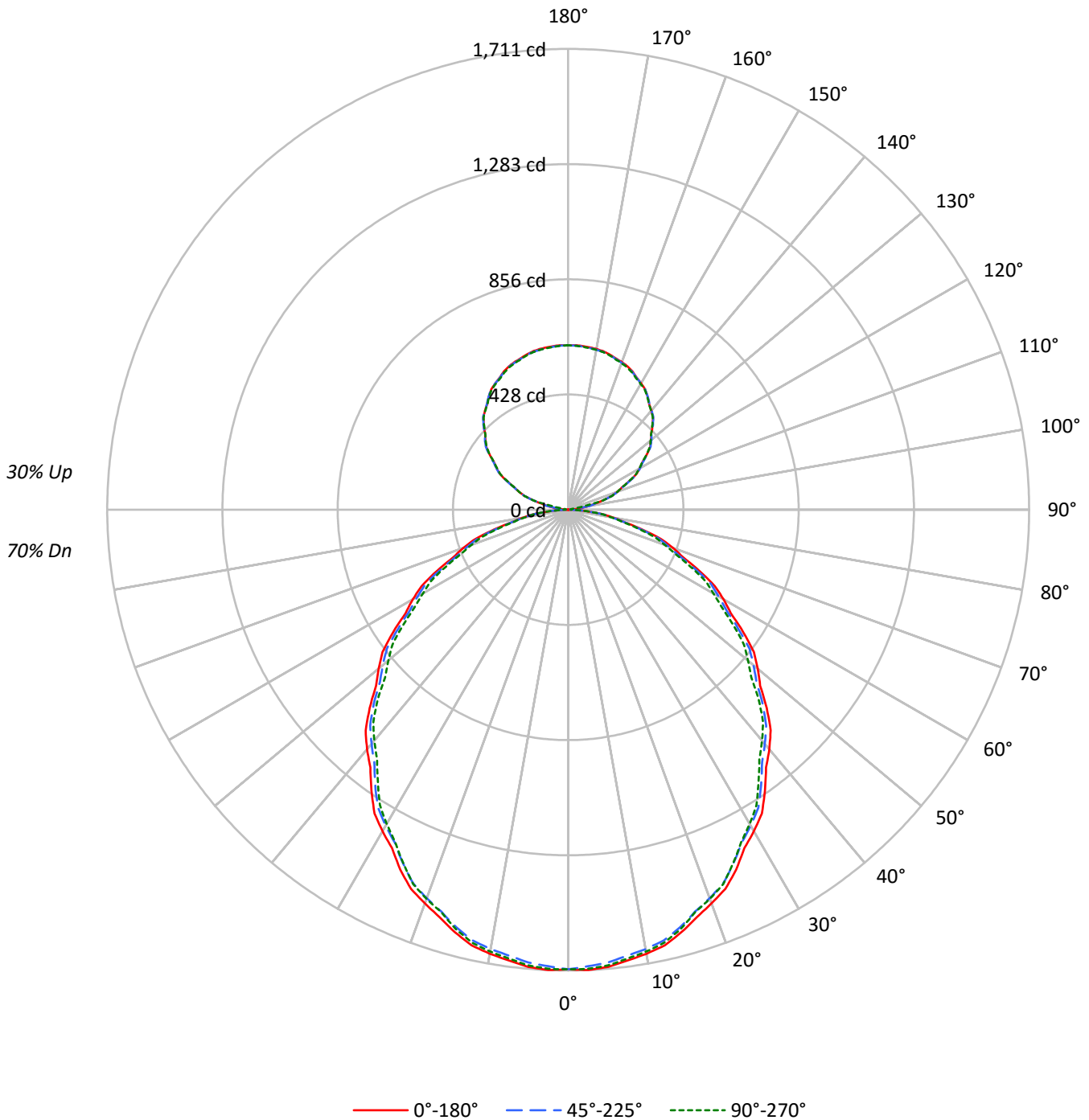
Input Watts (W): 46.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333434

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333434

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-F

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 | 95 | 95 | 95 | 84 | 84 | 84 | 75 | 75 | 75 | 70 |
| 1 | 102 | 98 | 94 | 90 | 97 | 93 | 89 | 86 | 83 | 80 | 78 | 74 | 72 | 70 | 66 | 64 | 63 | 59 |
| 2 | 93 | 85 | 79 | 74 | 88 | 81 | 75 | 70 | 73 | 68 | 64 | 65 | 62 | 59 | 58 | 55 | 53 | 49 |
| 3 | 85 | 75 | 67 | 61 | 80 | 71 | 64 | 59 | 64 | 59 | 54 | 58 | 53 | 50 | 51 | 48 | 45 | 42 |
| 4 | 78 | 67 | 58 | 52 | 73 | 63 | 56 | 50 | 57 | 51 | 46 | 51 | 46 | 42 | 46 | 42 | 39 | 36 |
| 5 | 71 | 59 | 51 | 45 | 67 | 57 | 49 | 43 | 51 | 45 | 40 | 46 | 41 | 37 | 41 | 37 | 34 | 31 |
| 6 | 66 | 53 | 45 | 39 | 62 | 51 | 43 | 38 | 46 | 40 | 35 | 42 | 36 | 32 | 38 | 33 | 30 | 27 |
| 7 | 61 | 48 | 40 | 34 | 58 | 46 | 39 | 33 | 42 | 36 | 31 | 38 | 33 | 29 | 34 | 30 | 27 | 24 |
| 8 | 57 | 44 | 36 | 30 | 54 | 42 | 35 | 29 | 38 | 32 | 28 | 35 | 30 | 26 | 32 | 27 | 24 | 22 |
| 9 | 53 | 40 | 32 | 27 | 50 | 39 | 31 | 26 | 35 | 29 | 25 | 32 | 27 | 23 | 29 | 25 | 22 | 20 |
| 10 | 50 | 37 | 30 | 25 | 47 | 35 | 29 | 24 | 33 | 27 | 22 | 30 | 25 | 21 | 27 | 23 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11021 | 11021 | 11021 |
| 5° | 11045 | 10940 | 11010 |
| 10° | 10978 | 10863 | 10925 |
| 15° | 10858 | 10732 | 10777 |
| 20° | 10689 | 10549 | 10568 |
| 25° | 10505 | 10332 | 10322 |
| 30° | 10279 | 10097 | 10047 |
| 35° | 10037 | 9845 | 9707 |
| 40° | 9788 | 9571 | 9435 |
| 45° | 9519 | 9322 | 9136 |
| 50° | 9224 | 9020 | 8748 |
| 55° | 8938 | 8679 | 8436 |
| 60° | 8596 | 8335 | 8038 |
| 65° | 8189 | 7922 | 7653 |
| 70° | 7801 | 7444 | 7189 |
| 75° | 7107 | 6872 | 6635 |
| 80° | 6326 | 6226 | 6073 |
| 85° | 5498 | 5602 | 5298 |



TEST NUMBER: P333434

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 160.9 | 2.5 |
| 10°-20° | 454.5 | 7.2 |
| 20°-30° | 671.0 | 10.6 |
| 30°-40° | 783.0 | 12.4 |
| 40°-50° | 786.4 | 12.5 |
| 50°-60° | 690.3 | 10.9 |
| 60°-70° | 514.4 | 8.1 |
| 70°-80° | 294.1 | 4.7 |
| 80°-90° | 86.8 | 1.4 |
| 90°-100° | 22.2 | 0.4 |
| 100°-110° | 136.7 | 2.2 |
| 110°-120° | 247.9 | 3.9 |
| 120°-130° | 318.1 | 5.0 |
| 130°-140° | 342.2 | 5.4 |
| 140°-150° | 321.2 | 5.1 |
| 150°-160° | 259.8 | 4.1 |
| 160°-170° | 168.0 | 2.7 |
| 170°-180° | 58.0 | 0.9 |
| 0°-30° | 1286.4 | 20.4 |
| 0°-40° | 2069.4 | 32.8 |
| 0°-60° | 3546.2 | 56.2 |
| 0°-90° | 4441.5 | 70.3 |
| 90°-120° | 406.7 | 6.4 |
| 90°-150° | 1388.2 | 22.0 |
| 90°-180° | 1874.0 | 29.7 |
| 0°-180° | 6315.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1706 | 1706 | 1706 | 1706 | 1706 | |
| 5° | 1704 | 1700 | 1688 | 1699 | 1698 | 162 |
| 15° | 1624 | 1619 | 1605 | 1612 | 1612 | 458 |
| 25° | 1474 | 1467 | 1450 | 1452 | 1448 | 678 |
| 35° | 1273 | 1267 | 1249 | 1242 | 1231 | 796 |
| 45° | 1042 | 1036 | 1021 | 1005 | 1000 | 803 |
| 55° | 794 | 789 | 771 | 759 | 749 | 708 |
| 65° | 536 | 533 | 518 | 507 | 501 | 532 |
| 75° | 285 | 282 | 275 | 271 | 266 | 304 |
| 85° | 74 | 76 | 76 | 74 | 72 | 83 |
| 90° | 0 | 4 | 7 | 9 | 11 | 5 |
| 95° | 26 | 24 | 7 | 9 | 10 | 33 |
| 105° | 133 | 135 | 135 | 135 | 134 | 141 |
| 115° | 250 | 252 | 252 | 251 | 248 | 247 |
| 125° | 355 | 358 | 358 | 356 | 355 | 317 |
| 135° | 443 | 445 | 445 | 444 | 441 | 341 |
| 145° | 514 | 514 | 514 | 515 | 512 | 321 |
| 155° | 566 | 563 | 564 | 565 | 561 | 260 |
| 165° | 597 | 594 | 594 | 597 | 594 | 168 |
| 175° | 610 | 608 | 608 | 611 | 608 | 58 |
| 180° | 610 | 610 | 610 | 610 | 610 | |



TEST NUMBER: P333434

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 |
| 2.5° | 1710.7 | 1710.0 | 1709.2 | 1708.5 | 1707.8 | 1706.2 | 1703.8 | 1701.4 | 1699.0 | 1696.6 | 1699.0 |
| 5° | 1703.7 | 1703.1 | 1702.5 | 1701.9 | 1701.3 | 1699.5 | 1696.5 | 1693.5 | 1690.5 | 1687.5 | 1690.2 |
| 7.5° | 1688.0 | 1687.4 | 1686.8 | 1686.2 | 1685.6 | 1683.6 | 1680.3 | 1677.0 | 1673.7 | 1670.4 | 1673.1 |
| 10° | 1674.0 | 1673.4 | 1672.8 | 1672.2 | 1671.6 | 1669.6 | 1666.3 | 1663.0 | 1659.7 | 1656.4 | 1658.8 |
| 12.5° | 1656.7 | 1655.6 | 1654.5 | 1653.4 | 1652.4 | 1650.3 | 1647.2 | 1644.2 | 1641.1 | 1638.0 | 1640.0 |
| 15° | 1624.0 | 1623.1 | 1622.2 | 1621.3 | 1620.4 | 1618.3 | 1615.0 | 1611.7 | 1608.4 | 1605.1 | 1606.6 |
| 17.5° | 1586.5 | 1585.2 | 1583.8 | 1582.5 | 1581.2 | 1578.8 | 1575.4 | 1572.0 | 1568.6 | 1565.1 | 1567.0 |
| 20° | 1555.2 | 1554.6 | 1554.0 | 1553.4 | 1552.8 | 1550.5 | 1546.6 | 1542.7 | 1538.8 | 1534.9 | 1537.0 |
| 22.5° | 1523.8 | 1522.8 | 1521.7 | 1520.6 | 1519.5 | 1517.1 | 1513.5 | 1509.8 | 1506.2 | 1502.5 | 1503.9 |
| 25° | 1474.2 | 1472.7 | 1471.2 | 1469.7 | 1468.2 | 1465.5 | 1461.6 | 1457.7 | 1453.8 | 1449.9 | 1450.5 |
| 27.5° | 1416.1 | 1415.2 | 1414.3 | 1413.4 | 1412.5 | 1410.1 | 1406.0 | 1402.0 | 1398.0 | 1394.0 | 1394.1 |
| 30° | 1378.3 | 1377.4 | 1376.5 | 1375.6 | 1374.7 | 1372.0 | 1367.5 | 1363.0 | 1358.5 | 1354.0 | 1353.4 |
| 32.5° | 1337.3 | 1335.9 | 1334.5 | 1333.1 | 1331.8 | 1329.1 | 1325.0 | 1321.0 | 1317.0 | 1313.0 | 1311.9 |
| 35° | 1273.0 | 1271.8 | 1270.6 | 1269.4 | 1268.2 | 1265.5 | 1261.3 | 1257.1 | 1252.9 | 1248.7 | 1247.2 |
| 37.5° | 1206.3 | 1204.8 | 1203.3 | 1201.8 | 1200.3 | 1197.6 | 1193.6 | 1189.7 | 1185.7 | 1181.8 | 1179.5 |
| 40° | 1161.0 | 1159.5 | 1158.0 | 1156.5 | 1155.0 | 1152.1 | 1147.9 | 1143.7 | 1139.5 | 1135.3 | 1132.6 |
| 42.5° | 1112.4 | 1111.1 | 1109.9 | 1108.6 | 1107.3 | 1104.6 | 1100.4 | 1096.2 | 1092.0 | 1087.8 | 1085.3 |
| 45° | 1042.2 | 1041.0 | 1039.8 | 1038.6 | 1037.4 | 1035.0 | 1031.4 | 1027.8 | 1024.2 | 1020.6 | 1017.0 |
| 47.5° | 966.6 | 966.6 | 966.7 | 966.8 | 966.8 | 964.7 | 960.4 | 956.0 | 951.7 | 947.4 | 943.7 |
| 50° | 918.0 | 917.1 | 916.2 | 915.3 | 914.4 | 912.1 | 908.5 | 904.9 | 901.3 | 897.7 | 893.8 |
| 52.5° | 868.3 | 867.6 | 867.0 | 866.3 | 865.7 | 863.4 | 859.6 | 855.7 | 851.9 | 848.0 | 844.6 |
| 55° | 793.8 | 792.9 | 792.0 | 791.1 | 790.2 | 787.6 | 783.4 | 779.2 | 775.0 | 770.8 | 768.1 |
| 57.5° | 715.2 | 714.7 | 714.3 | 713.8 | 713.3 | 711.3 | 707.7 | 704.2 | 700.7 | 697.1 | 693.6 |
| 60° | 665.5 | 664.3 | 663.1 | 661.9 | 660.7 | 658.5 | 655.2 | 651.9 | 648.6 | 645.3 | 642.3 |
| 62.5° | 613.7 | 612.7 | 611.8 | 610.8 | 609.9 | 608.0 | 605.1 | 602.3 | 599.5 | 596.7 | 593.4 |
| 65° | 535.9 | 535.3 | 534.7 | 534.1 | 533.5 | 531.6 | 528.3 | 525.0 | 521.7 | 518.4 | 515.7 |
| 67.5° | 460.6 | 459.3 | 458.1 | 456.8 | 455.6 | 453.7 | 451.2 | 448.8 | 446.3 | 443.9 | 441.6 |
| 70° | 413.1 | 411.6 | 410.1 | 408.6 | 407.1 | 405.0 | 402.3 | 399.6 | 396.9 | 394.2 | 392.4 |
| 72.5° | 361.3 | 360.2 | 359.2 | 358.2 | 357.2 | 355.8 | 354.1 | 352.3 | 350.6 | 348.8 | 346.8 |
| 75° | 284.8 | 284.2 | 283.6 | 283.0 | 282.4 | 281.4 | 279.9 | 278.4 | 276.9 | 275.4 | 274.5 |
| 77.5° | 214.4 | 214.1 | 213.9 | 213.7 | 213.4 | 212.9 | 212.0 | 211.2 | 210.4 | 209.5 | 209.0 |
| 80° | 170.1 | 170.1 | 170.1 | 170.1 | 170.1 | 169.8 | 169.2 | 168.6 | 168.0 | 167.4 | 167.1 |
| 82.5° | 131.2 | 130.7 | 130.3 | 129.8 | 129.3 | 129.0 | 128.9 | 128.8 | 128.6 | 128.5 | 128.0 |
| 85° | 74.2 | 74.5 | 74.8 | 75.1 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.3 |
| 87.5° | 29.2 | 29.4 | 29.6 | 29.7 | 29.9 | 29.9 | 29.8 | 29.7 | 29.6 | 29.5 | 29.6 |
| 90° | 0.5 | 1.3 | 2.1 | 2.9 | 3.7 | 4.4 | 5.1 | 5.8 | 6.5 | 7.2 | 7.7 |
| 92.5° | 7.0 | 6.4 | 5.8 | 5.3 | 4.7 | 4.7 | 5.4 | 6.0 | 6.6 | 7.2 | 7.7 |
| 95° | 25.8 | 25.5 | 25.2 | 24.9 | 24.6 | 22.5 | 18.7 | 14.9 | 11.1 | 7.2 | 7.7 |
| 97.5° | 53.8 | 54.4 | 54.9 | 55.5 | 56.0 | 52.5 | 44.9 | 37.4 | 29.8 | 22.3 | 19.4 |
| 100° | 75.5 | 75.9 | 76.2 | 76.5 | 76.8 | 77.1 | 77.5 | 77.9 | 78.3 | 78.7 | 63.7 |
| 102.5° | 97.6 | 98.0 | 98.4 | 98.8 | 99.2 | 99.5 | 99.7 | 99.9 | 100.2 | 100.4 | 97.6 |
| 105° | 133.0 | 133.4 | 133.8 | 134.2 | 134.6 | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 |
| 107.5° | 169.7 | 169.7 | 169.7 | 169.7 | 169.7 | 169.8 | 170.0 | 170.2 | 170.4 | 170.6 | 170.7 |
| 110° | 193.6 | 193.6 | 193.6 | 193.6 | 193.6 | 193.7 | 193.9 | 194.1 | 194.3 | 194.5 | 194.2 |



TEST NUMBER: P333434

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 216.1 | 216.3 | 216.5 | 216.8 | 217.0 | 217.2 | 217.3 | 217.5 | 217.6 | 217.7 | 217.3 |
| 115° | 249.7 | 250.2 | 250.7 | 251.2 | 251.7 | 252.0 | 252.1 | 252.2 | 252.3 | 252.4 | 252.0 |
| 117.5° | 284.6 | 284.5 | 284.5 | 284.5 | 284.5 | 284.7 | 285.0 | 285.4 | 285.8 | 286.2 | 285.7 |
| 120° | 306.3 | 306.2 | 306.1 | 306.0 | 305.9 | 306.0 | 306.3 | 306.6 | 306.9 | 307.2 | 307.0 |
| 122.5° | 325.5 | 325.8 | 326.2 | 326.6 | 327.0 | 327.2 | 327.4 | 327.5 | 327.7 | 327.8 | 327.6 |
| 125° | 355.1 | 355.8 | 356.5 | 357.2 | 357.9 | 358.3 | 358.3 | 358.3 | 358.3 | 358.3 | 357.9 |
| 127.5° | 383.4 | 384.0 | 384.5 | 385.0 | 385.5 | 385.7 | 385.6 | 385.6 | 385.5 | 385.4 | 385.2 |
| 130° | 400.8 | 401.3 | 401.8 | 402.3 | 402.8 | 403.1 | 403.2 | 403.3 | 403.4 | 403.5 | 403.2 |
| 132.5° | 418.2 | 418.8 | 419.4 | 419.9 | 420.5 | 420.7 | 420.5 | 420.3 | 420.0 | 419.8 | 419.8 |
| 135° | 442.9 | 443.5 | 444.1 | 444.7 | 445.3 | 445.5 | 445.3 | 445.1 | 444.9 | 444.7 | 444.5 |
| 137.5° | 465.6 | 466.1 | 466.6 | 467.2 | 467.7 | 467.9 | 467.7 | 467.5 | 467.3 | 467.1 | 467.2 |
| 140° | 480.4 | 480.6 | 480.8 | 481.0 | 481.2 | 481.3 | 481.2 | 481.1 | 481.0 | 480.9 | 481.1 |
| 142.5° | 493.8 | 494.0 | 494.1 | 494.2 | 494.3 | 494.4 | 494.6 | 494.7 | 494.9 | 495.0 | 495.0 |
| 145° | 513.5 | 513.7 | 513.9 | 514.1 | 514.3 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.5 |
| 147.5° | 530.7 | 530.6 | 530.6 | 530.5 | 530.5 | 530.5 | 530.7 | 530.8 | 530.9 | 531.0 | 531.1 |
| 150° | 541.5 | 541.3 | 541.1 | 540.9 | 540.7 | 540.7 | 540.9 | 541.1 | 541.3 | 541.5 | 541.7 |
| 152.5° | 552.0 | 551.6 | 551.1 | 550.7 | 550.2 | 550.1 | 550.3 | 550.5 | 550.7 | 550.9 | 551.1 |
| 155° | 565.5 | 564.9 | 564.3 | 563.7 | 563.1 | 562.9 | 563.1 | 563.3 | 563.5 | 563.7 | 564.0 |
| 157.5° | 575.9 | 575.5 | 575.2 | 574.8 | 574.4 | 574.3 | 574.3 | 574.3 | 574.3 | 574.4 | 574.7 |
| 160° | 583.1 | 582.5 | 581.9 | 581.3 | 580.7 | 580.5 | 580.6 | 580.7 | 580.8 | 580.9 | 581.3 |
| 162.5° | 588.9 | 588.3 | 587.7 | 587.1 | 586.5 | 586.3 | 586.4 | 586.5 | 586.6 | 586.7 | 587.2 |
| 165° | 596.7 | 596.1 | 595.5 | 594.9 | 594.3 | 594.0 | 594.1 | 594.2 | 594.3 | 594.4 | 595.0 |
| 167.5° | 602.5 | 601.9 | 601.3 | 600.6 | 600.0 | 599.7 | 599.8 | 599.9 | 600.0 | 600.1 | 600.9 |
| 170° | 605.8 | 605.1 | 604.3 | 603.6 | 602.9 | 602.6 | 602.7 | 602.8 | 602.9 | 603.0 | 603.8 |
| 172.5° | 607.9 | 607.2 | 606.5 | 605.8 | 605.1 | 604.9 | 605.0 | 605.2 | 605.4 | 605.6 | 606.3 |
| 175° | 610.3 | 609.7 | 609.1 | 608.5 | 607.9 | 607.6 | 607.7 | 607.8 | 607.9 | 608.0 | 608.8 |
| 177.5° | 611.4 | 610.9 | 610.4 | 609.9 | 609.4 | 609.2 | 609.3 | 609.4 | 609.5 | 609.6 | 610.1 |
| 180° | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 |



TEST NUMBER: P333434

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 | 1706.4 |
| 2.5° | 1701.4 | 1703.8 | 1706.2 | 1707.3 | 1707.1 | 1706.8 | 1706.6 | 1706.4 |
| 5° | 1692.9 | 1695.6 | 1698.3 | 1699.5 | 1699.2 | 1698.9 | 1698.6 | 1698.3 |
| 7.5° | 1675.7 | 1678.4 | 1681.0 | 1682.2 | 1681.9 | 1681.6 | 1681.3 | 1681.0 |
| 10° | 1661.2 | 1663.6 | 1666.0 | 1667.1 | 1666.8 | 1666.5 | 1666.2 | 1665.9 |
| 12.5° | 1641.9 | 1643.8 | 1645.7 | 1646.7 | 1646.6 | 1646.5 | 1646.5 | 1646.4 |
| 15° | 1608.1 | 1609.6 | 1611.1 | 1611.9 | 1611.9 | 1611.9 | 1611.9 | 1611.9 |
| 17.5° | 1568.9 | 1570.7 | 1572.6 | 1572.8 | 1571.3 | 1569.8 | 1568.3 | 1566.8 |
| 20° | 1539.1 | 1541.2 | 1543.3 | 1543.6 | 1542.1 | 1540.6 | 1539.1 | 1537.6 |
| 22.5° | 1505.3 | 1506.7 | 1508.0 | 1508.2 | 1507.2 | 1506.2 | 1505.2 | 1504.1 |
| 25° | 1451.1 | 1451.7 | 1452.3 | 1452.1 | 1451.2 | 1450.3 | 1449.4 | 1448.5 |
| 27.5° | 1394.2 | 1394.3 | 1394.5 | 1394.1 | 1393.2 | 1392.3 | 1391.4 | 1390.5 |
| 30° | 1352.8 | 1352.2 | 1351.6 | 1350.9 | 1350.0 | 1349.1 | 1348.2 | 1347.3 |
| 32.5° | 1310.8 | 1309.7 | 1308.7 | 1307.3 | 1305.7 | 1304.1 | 1302.4 | 1300.8 |
| 35° | 1245.7 | 1244.2 | 1242.7 | 1240.8 | 1238.4 | 1236.0 | 1233.6 | 1231.2 |
| 37.5° | 1177.3 | 1175.1 | 1172.9 | 1171.1 | 1169.7 | 1168.3 | 1166.9 | 1165.6 |
| 40° | 1129.9 | 1127.2 | 1124.5 | 1122.7 | 1121.8 | 1120.9 | 1120.0 | 1119.1 |
| 42.5° | 1082.9 | 1080.4 | 1078.0 | 1076.0 | 1074.7 | 1073.3 | 1071.9 | 1070.5 |
| 45° | 1013.4 | 1009.8 | 1006.2 | 1003.9 | 1003.0 | 1002.1 | 1001.2 | 1000.3 |
| 47.5° | 940.1 | 936.4 | 932.8 | 929.9 | 927.8 | 925.7 | 923.6 | 921.5 |
| 50° | 889.9 | 886.0 | 882.1 | 879.1 | 877.0 | 874.9 | 872.8 | 870.7 |
| 52.5° | 841.2 | 837.8 | 834.4 | 831.5 | 829.1 | 826.8 | 824.5 | 822.1 |
| 55° | 765.4 | 762.7 | 760.0 | 757.6 | 755.5 | 753.4 | 751.3 | 749.2 |
| 57.5° | 690.2 | 686.7 | 683.2 | 680.9 | 679.8 | 678.6 | 677.5 | 676.3 |
| 60° | 639.3 | 636.3 | 633.3 | 630.7 | 628.6 | 626.5 | 624.4 | 622.3 |
| 62.5° | 590.2 | 587.0 | 583.7 | 581.3 | 579.7 | 578.1 | 576.4 | 574.8 |
| 65° | 513.0 | 510.3 | 507.6 | 505.6 | 504.4 | 503.2 | 502.0 | 500.8 |
| 67.5° | 439.3 | 437.0 | 434.7 | 433.2 | 432.5 | 431.8 | 431.1 | 430.4 |
| 70° | 390.6 | 388.8 | 387.0 | 385.5 | 384.3 | 383.1 | 381.9 | 380.7 |
| 72.5° | 344.8 | 342.7 | 340.7 | 339.1 | 337.9 | 336.7 | 335.5 | 334.3 |
| 75° | 273.6 | 272.7 | 271.8 | 270.7 | 269.5 | 268.3 | 267.1 | 265.9 |
| 77.5° | 208.4 | 207.9 | 207.4 | 206.7 | 205.8 | 205.0 | 204.1 | 203.3 |
| 80° | 166.8 | 166.5 | 166.2 | 165.7 | 165.1 | 164.5 | 163.9 | 163.3 |
| 82.5° | 127.4 | 126.9 | 126.4 | 126.0 | 125.9 | 125.8 | 125.7 | 125.5 |
| 85° | 75.0 | 74.7 | 74.4 | 73.9 | 73.3 | 72.7 | 72.1 | 71.5 |
| 87.5° | 29.7 | 29.8 | 29.9 | 29.8 | 29.3 | 28.9 | 28.5 | 28.1 |
| 90° | 8.2 | 8.7 | 9.2 | 9.7 | 10.0 | 10.3 | 10.6 | 10.9 |
| 92.5° | 8.2 | 8.7 | 9.2 | 9.6 | 9.7 | 9.9 | 10.0 | 10.1 |
| 95° | 8.2 | 8.7 | 9.2 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 97.5° | 16.6 | 13.8 | 10.9 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 100° | 48.8 | 33.8 | 18.8 | 11.1 | 10.7 | 10.3 | 9.9 | 9.5 |
| 102.5° | 94.8 | 91.9 | 89.1 | 84.3 | 77.4 | 70.6 | 63.7 | 56.9 |
| 105° | 134.8 | 134.8 | 134.8 | 134.8 | 134.7 | 134.6 | 134.5 | 134.4 |
| 107.5° | 170.7 | 170.7 | 170.7 | 170.6 | 170.3 | 170.0 | 169.7 | 169.4 |
| 110° | 193.9 | 193.6 | 193.3 | 193.2 | 193.3 | 193.4 | 193.5 | 193.6 |



TEST NUMBER: P333434

CATALOG NUMBER: S125DIW-S1090D470U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 216.9 | 216.5 | 216.2 | 215.9 | 215.8 | 215.6 | 215.5 | 215.3 |
| 115° | 251.6 | 251.2 | 250.8 | 250.3 | 249.7 | 249.1 | 248.5 | 247.9 |
| 117.5° | 285.1 | 284.6 | 284.1 | 283.7 | 283.4 | 283.2 | 282.9 | 282.7 |
| 120° | 306.8 | 306.6 | 306.4 | 306.0 | 305.5 | 305.0 | 304.5 | 304.0 |
| 122.5° | 327.4 | 327.2 | 327.0 | 326.6 | 326.0 | 325.4 | 324.9 | 324.3 |
| 125° | 357.5 | 357.1 | 356.7 | 356.3 | 356.0 | 355.7 | 355.4 | 355.1 |
| 127.5° | 385.0 | 384.8 | 384.6 | 384.1 | 383.3 | 382.6 | 381.8 | 381.1 |
| 130° | 402.9 | 402.6 | 402.3 | 401.9 | 401.4 | 400.9 | 400.4 | 399.9 |
| 132.5° | 419.7 | 419.6 | 419.6 | 419.3 | 418.8 | 418.3 | 417.8 | 417.3 |
| 135° | 444.3 | 444.1 | 443.9 | 443.5 | 442.9 | 442.3 | 441.7 | 441.1 |
| 137.5° | 467.2 | 467.3 | 467.3 | 467.1 | 466.5 | 466.0 | 465.5 | 465.0 |
| 140° | 481.3 | 481.5 | 481.7 | 481.5 | 480.9 | 480.3 | 479.7 | 479.1 |
| 142.5° | 495.1 | 495.1 | 495.2 | 494.9 | 494.3 | 493.7 | 493.1 | 492.5 |
| 145° | 514.6 | 514.7 | 514.8 | 514.5 | 513.9 | 513.3 | 512.7 | 512.1 |
| 147.5° | 531.3 | 531.4 | 531.5 | 531.2 | 530.5 | 529.8 | 529.0 | 528.3 |
| 150° | 541.9 | 542.1 | 542.3 | 542.0 | 541.2 | 540.4 | 539.6 | 538.8 |
| 152.5° | 551.3 | 551.5 | 551.7 | 551.5 | 550.7 | 550.0 | 549.3 | 548.6 |
| 155° | 564.3 | 564.6 | 564.9 | 564.6 | 563.8 | 563.0 | 562.2 | 561.4 |
| 157.5° | 575.0 | 575.3 | 575.6 | 575.4 | 574.6 | 573.8 | 573.0 | 572.2 |
| 160° | 581.7 | 582.1 | 582.5 | 582.3 | 581.5 | 580.7 | 579.9 | 579.1 |
| 162.5° | 587.8 | 588.4 | 588.9 | 588.8 | 587.9 | 587.0 | 586.1 | 585.2 |
| 165° | 595.7 | 596.3 | 596.9 | 596.8 | 596.0 | 595.1 | 594.3 | 593.5 |
| 167.5° | 601.6 | 602.3 | 603.0 | 603.0 | 602.0 | 601.1 | 600.2 | 599.3 |
| 170° | 604.6 | 605.5 | 606.3 | 606.2 | 605.3 | 604.4 | 603.5 | 602.6 |
| 172.5° | 607.0 | 607.7 | 608.5 | 608.4 | 607.5 | 606.6 | 605.7 | 604.8 |
| 175° | 609.6 | 610.4 | 611.2 | 611.2 | 610.3 | 609.4 | 608.5 | 607.6 |
| 177.5° | 610.7 | 611.2 | 611.8 | 611.8 | 611.1 | 610.5 | 609.8 | 609.2 |
| 180° | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 | 610.3 |

(END OF REPORT)