

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: P333465-927

Luminaire Tested: **S125DIW-S1270D470U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333465-927
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-S1270D470U927-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5350.9 lumens
Efficiency: N/A
Efficacy: 102.1 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

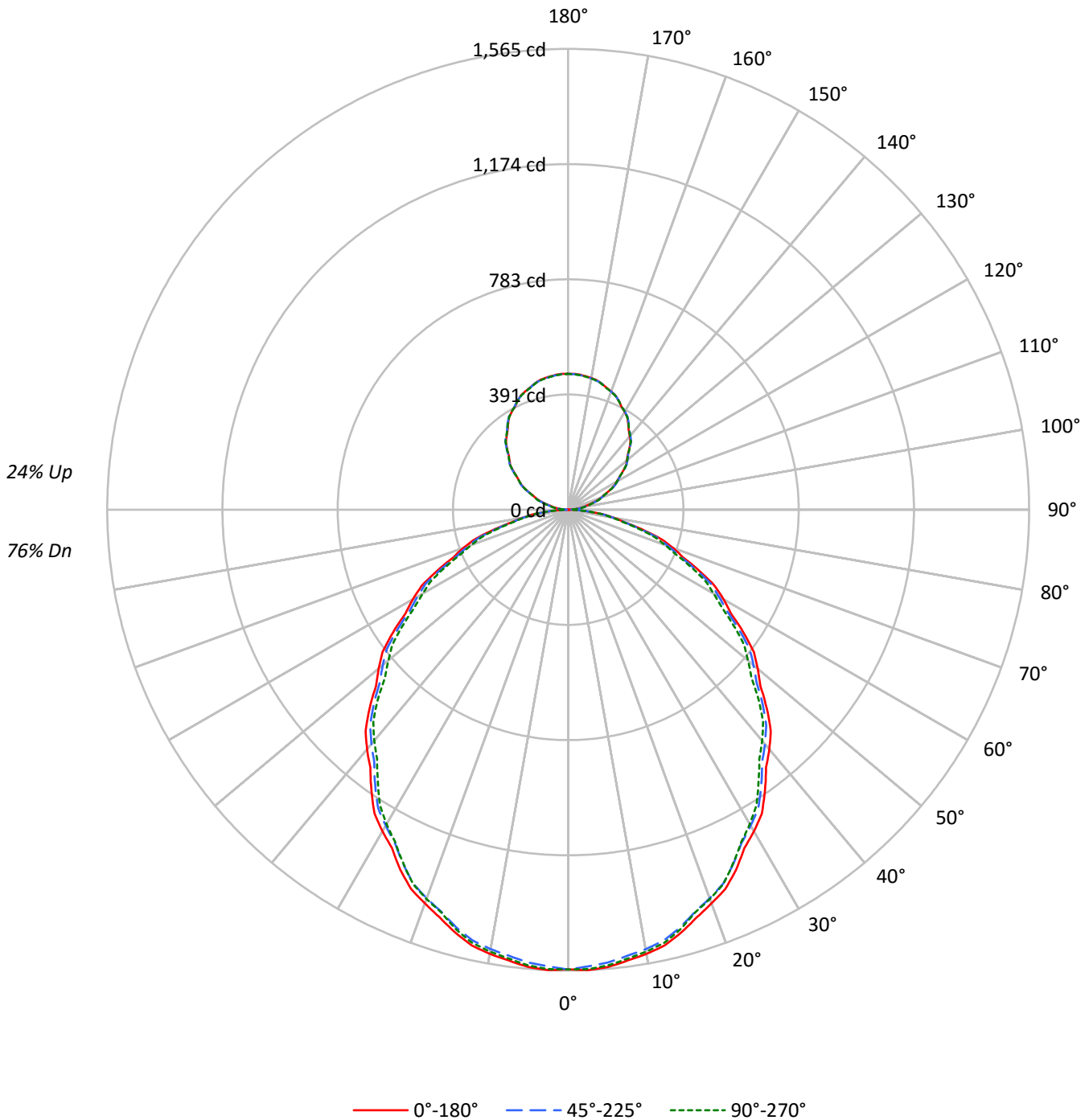
Input Watts (W): 52.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333465-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333465-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-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 | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 98 | 98 | 98 | 88 | 88 | 88 | 80 | 80 | 80 | 76 |
| 1 | 104 | 99 | 95 | 91 | 98 | 94 | 91 | 87 | 86 | 83 | 80 | 78 | 76 | 74 | 71 | 69 | 67 | 64 |
| 2 | 94 | 86 | 80 | 74 | 89 | 82 | 77 | 72 | 75 | 71 | 67 | 68 | 65 | 61 | 62 | 59 | 57 | 53 |
| 3 | 86 | 76 | 68 | 62 | 82 | 73 | 66 | 60 | 66 | 61 | 56 | 60 | 56 | 52 | 55 | 51 | 48 | 45 |
| 4 | 79 | 67 | 59 | 53 | 75 | 64 | 57 | 51 | 59 | 53 | 48 | 54 | 49 | 45 | 49 | 45 | 42 | 39 |
| 5 | 72 | 60 | 52 | 45 | 69 | 58 | 50 | 44 | 53 | 46 | 41 | 48 | 43 | 39 | 44 | 40 | 36 | 34 |
| 6 | 67 | 54 | 46 | 40 | 63 | 52 | 44 | 38 | 48 | 41 | 36 | 44 | 38 | 34 | 40 | 36 | 32 | 29 |
| 7 | 62 | 49 | 41 | 35 | 59 | 47 | 39 | 34 | 43 | 37 | 32 | 40 | 34 | 30 | 37 | 32 | 28 | 26 |
| 8 | 58 | 45 | 37 | 31 | 55 | 43 | 35 | 30 | 40 | 33 | 29 | 37 | 31 | 27 | 34 | 29 | 26 | 23 |
| 9 | 54 | 41 | 33 | 28 | 51 | 39 | 32 | 27 | 37 | 30 | 26 | 34 | 28 | 24 | 31 | 27 | 23 | 21 |
| 10 | 50 | 38 | 30 | 25 | 48 | 36 | 29 | 25 | 34 | 28 | 23 | 31 | 26 | 22 | 29 | 24 | 21 | 19 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10083 | 10083 | 10083 |
| 5° | 10105 | 10009 | 10073 |
| 10° | 10044 | 9938 | 9996 |
| 15° | 9934 | 9819 | 9860 |
| 20° | 9779 | 9652 | 9669 |
| 25° | 9612 | 9453 | 9443 |
| 30° | 9405 | 9238 | 9192 |
| 35° | 9183 | 9008 | 8881 |
| 40° | 8955 | 8757 | 8632 |
| 45° | 8709 | 8528 | 8359 |
| 50° | 8439 | 8252 | 8004 |
| 55° | 8178 | 7942 | 7719 |
| 60° | 7865 | 7626 | 7355 |
| 65° | 7494 | 7248 | 7002 |
| 70° | 7138 | 6811 | 6577 |
| 75° | 6503 | 6288 | 6071 |
| 80° | 5787 | 5694 | 5560 |
| 85° | 5039 | 5128 | 4846 |



TEST NUMBER: P333465-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 147.2 | 2.8 |
| 10°-20° | 415.8 | 7.8 |
| 20°-30° | 613.9 | 11.5 |
| 30°-40° | 716.4 | 13.4 |
| 40°-50° | 719.5 | 13.4 |
| 50°-60° | 631.6 | 11.8 |
| 60°-70° | 470.6 | 8.8 |
| 70°-80° | 269.1 | 5.0 |
| 80°-90° | 79.3 | 1.5 |
| 90°-100° | 30.9 | 0.6 |
| 100°-110° | 91.2 | 1.7 |
| 110°-120° | 154.6 | 2.9 |
| 120°-130° | 203.4 | 3.8 |
| 130°-140° | 227.9 | 4.3 |
| 140°-150° | 223.4 | 4.2 |
| 150°-160° | 187.6 | 3.5 |
| 160°-170° | 124.7 | 2.3 |
| 170°-180° | 43.6 | 0.8 |
| 0°-30° | 1177.0 | 22.0 |
| 0°-40° | 1893.4 | 35.4 |
| 0°-60° | 3244.5 | 60.6 |
| 0°-90° | 4063.5 | 75.9 |
| 90°-120° | 276.7 | 5.2 |
| 90°-150° | 931.5 | 17.4 |
| 90°-180° | 1287.0 | 24.1 |
| 0°-180° | 5350.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1561 | 1561 | 1561 | 1561 | 1561 | |
| 5° | 1559 | 1556 | 1544 | 1554 | 1554 | 148 |
| 15° | 1486 | 1482 | 1468 | 1474 | 1475 | 419 |
| 25° | 1349 | 1342 | 1326 | 1329 | 1325 | 620 |
| 35° | 1165 | 1159 | 1142 | 1136 | 1126 | 728 |
| 45° | 954 | 948 | 934 | 920 | 915 | 734 |
| 55° | 726 | 722 | 705 | 694 | 686 | 648 |
| 65° | 490 | 487 | 474 | 464 | 458 | 486 |
| 75° | 261 | 258 | 252 | 248 | 243 | 278 |
| 85° | 68 | 69 | 69 | 68 | 65 | 76 |
| 90° | 0 | 3 | 6 | 8 | 9 | 5 |
| 95° | 23 | 24 | 28 | 30 | 31 | 25 |
| 105° | 82 | 84 | 86 | 88 | 89 | 87 |
| 115° | 155 | 156 | 157 | 157 | 156 | 153 |
| 125° | 226 | 228 | 228 | 228 | 227 | 202 |
| 135° | 294 | 296 | 296 | 296 | 295 | 226 |
| 145° | 356 | 357 | 358 | 358 | 357 | 222 |
| 155° | 407 | 407 | 408 | 409 | 407 | 187 |
| 165° | 443 | 442 | 442 | 444 | 442 | 125 |
| 175° | 460 | 459 | 459 | 461 | 458 | 44 |
| 180° | 461 | 461 | 461 | 461 | 461 | |



TEST NUMBER: P333465-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 |
| 2.5° | 1565.1 | 1564.5 | 1563.8 | 1563.1 | 1562.5 | 1561.1 | 1558.9 | 1556.6 | 1554.5 | 1552.3 | 1554.5 |
| 5° | 1558.7 | 1558.1 | 1557.6 | 1557.0 | 1556.5 | 1554.9 | 1552.1 | 1549.4 | 1546.7 | 1543.9 | 1546.3 |
| 7.5° | 1544.4 | 1543.8 | 1543.3 | 1542.7 | 1542.1 | 1540.4 | 1537.4 | 1534.4 | 1531.4 | 1528.4 | 1530.7 |
| 10° | 1531.5 | 1531.0 | 1530.4 | 1529.9 | 1529.3 | 1527.6 | 1524.6 | 1521.5 | 1518.5 | 1515.4 | 1517.7 |
| 12.5° | 1515.7 | 1514.7 | 1513.8 | 1512.8 | 1511.8 | 1509.9 | 1507.0 | 1504.3 | 1501.5 | 1498.7 | 1500.5 |
| 15° | 1485.8 | 1485.0 | 1484.2 | 1483.4 | 1482.6 | 1480.6 | 1477.6 | 1474.6 | 1471.6 | 1468.5 | 1469.9 |
| 17.5° | 1451.5 | 1450.3 | 1449.1 | 1447.9 | 1446.7 | 1444.5 | 1441.4 | 1438.2 | 1435.1 | 1431.9 | 1433.7 |
| 20° | 1422.8 | 1422.3 | 1421.7 | 1421.2 | 1420.6 | 1418.6 | 1415.0 | 1411.4 | 1407.9 | 1404.3 | 1406.2 |
| 22.5° | 1394.2 | 1393.2 | 1392.2 | 1391.2 | 1390.2 | 1388.1 | 1384.7 | 1381.4 | 1378.0 | 1374.7 | 1375.9 |
| 25° | 1348.8 | 1347.3 | 1346.0 | 1344.7 | 1343.2 | 1340.8 | 1337.2 | 1333.6 | 1330.1 | 1326.5 | 1327.1 |
| 27.5° | 1295.6 | 1294.8 | 1294.0 | 1293.2 | 1292.4 | 1290.1 | 1286.4 | 1282.7 | 1279.1 | 1275.3 | 1275.5 |
| 30° | 1261.1 | 1260.2 | 1259.4 | 1258.5 | 1257.7 | 1255.3 | 1251.2 | 1247.1 | 1242.9 | 1238.8 | 1238.3 |
| 32.5° | 1223.5 | 1222.3 | 1221.0 | 1219.7 | 1218.5 | 1216.0 | 1212.3 | 1208.6 | 1204.9 | 1201.3 | 1200.3 |
| 35° | 1164.7 | 1163.6 | 1162.5 | 1161.4 | 1160.3 | 1157.9 | 1154.0 | 1150.2 | 1146.3 | 1142.5 | 1141.1 |
| 37.5° | 1103.7 | 1102.3 | 1101.0 | 1099.5 | 1098.2 | 1095.7 | 1092.1 | 1088.5 | 1084.8 | 1081.2 | 1079.2 |
| 40° | 1062.2 | 1060.8 | 1059.5 | 1058.0 | 1056.7 | 1054.1 | 1050.3 | 1046.4 | 1042.6 | 1038.7 | 1036.3 |
| 42.5° | 1017.7 | 1016.6 | 1015.4 | 1014.2 | 1013.1 | 1010.6 | 1006.8 | 1002.9 | 999.1 | 995.2 | 993.0 |
| 45° | 953.5 | 952.4 | 951.3 | 950.2 | 949.1 | 946.9 | 943.6 | 940.3 | 937.1 | 933.7 | 930.4 |
| 47.5° | 884.3 | 884.4 | 884.5 | 884.5 | 884.6 | 882.6 | 878.7 | 874.7 | 870.8 | 866.8 | 863.5 |
| 50° | 839.9 | 839.1 | 838.2 | 837.4 | 836.5 | 834.5 | 831.2 | 827.9 | 824.7 | 821.3 | 817.8 |
| 52.5° | 794.4 | 793.8 | 793.2 | 792.6 | 792.0 | 790.0 | 786.4 | 782.9 | 779.4 | 775.9 | 772.8 |
| 55° | 726.3 | 725.4 | 724.6 | 723.7 | 722.9 | 720.6 | 716.8 | 713.0 | 709.1 | 705.3 | 702.7 |
| 57.5° | 654.3 | 653.9 | 653.5 | 653.1 | 652.6 | 650.8 | 647.5 | 644.3 | 641.0 | 637.8 | 634.6 |
| 60° | 608.9 | 607.8 | 606.7 | 605.6 | 604.5 | 602.5 | 599.4 | 596.4 | 593.4 | 590.4 | 587.6 |
| 62.5° | 561.5 | 560.6 | 559.8 | 558.8 | 557.9 | 556.3 | 553.7 | 551.0 | 548.5 | 545.9 | 543.0 |
| 65° | 490.4 | 489.8 | 489.3 | 488.7 | 488.1 | 486.3 | 483.3 | 480.3 | 477.3 | 474.3 | 471.8 |
| 67.5° | 421.4 | 420.3 | 419.1 | 418.0 | 416.8 | 415.1 | 412.9 | 410.6 | 408.4 | 406.1 | 404.0 |
| 70° | 378.0 | 376.6 | 375.2 | 373.8 | 372.5 | 370.5 | 368.0 | 365.6 | 363.1 | 360.7 | 359.0 |
| 72.5° | 330.5 | 329.5 | 328.7 | 327.7 | 326.8 | 325.5 | 323.9 | 322.3 | 320.8 | 319.2 | 317.3 |
| 75° | 260.6 | 260.1 | 259.5 | 259.0 | 258.4 | 257.5 | 256.1 | 254.7 | 253.3 | 252.0 | 251.1 |
| 77.5° | 196.1 | 195.9 | 195.7 | 195.5 | 195.3 | 194.8 | 194.0 | 193.2 | 192.4 | 191.7 | 191.2 |
| 80° | 155.6 | 155.6 | 155.6 | 155.6 | 155.6 | 155.3 | 154.8 | 154.2 | 153.7 | 153.1 | 152.9 |
| 82.5° | 120.0 | 119.6 | 119.1 | 118.7 | 118.3 | 118.0 | 117.9 | 117.8 | 117.7 | 117.6 | 117.1 |
| 85° | 68.0 | 68.2 | 68.4 | 68.8 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 68.9 |
| 87.5° | 26.8 | 26.9 | 27.0 | 27.2 | 27.3 | 27.3 | 27.2 | 27.1 | 26.9 | 26.9 | 26.9 |
| 90° | 0.4 | 1.0 | 1.7 | 2.3 | 2.9 | 3.5 | 4.0 | 4.6 | 5.1 | 5.8 | 6.2 |
| 92.5° | 8.7 | 9.1 | 9.6 | 10.1 | 10.5 | 11.0 | 11.7 | 12.4 | 13.1 | 13.8 | 14.3 |
| 95° | 23.4 | 23.5 | 23.7 | 23.8 | 24.0 | 24.5 | 25.3 | 26.1 | 26.9 | 27.6 | 28.2 |
| 97.5° | 38.7 | 38.8 | 38.9 | 39.0 | 39.1 | 39.6 | 40.7 | 41.8 | 42.9 | 44.0 | 44.5 |
| 100° | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.8 | 51.8 | 52.8 | 53.9 | 54.9 | 55.7 |
| 102.5° | 62.6 | 62.9 | 63.3 | 63.6 | 63.9 | 64.3 | 64.9 | 65.4 | 65.9 | 66.4 | 67.2 |
| 105° | 81.8 | 82.2 | 82.6 | 83.0 | 83.5 | 83.9 | 84.4 | 84.8 | 85.3 | 85.8 | 86.3 |
| 107.5° | 103.1 | 103.5 | 103.9 | 104.3 | 104.7 | 105.1 | 105.4 | 105.8 | 106.2 | 106.5 | 106.8 |
| 110° | 117.8 | 118.2 | 118.6 | 119.0 | 119.4 | 119.7 | 119.9 | 120.2 | 120.4 | 120.6 | 120.9 |



TEST NUMBER: P333465-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.7 | 132.9 | 133.1 | 133.3 | 133.6 | 133.8 | 134.1 | 134.4 | 134.7 | 135.0 | 135.1 |
| 115° | 154.7 | 155.0 | 155.4 | 155.7 | 156.1 | 156.3 | 156.5 | 156.6 | 156.8 | 156.9 | 156.9 |
| 117.5° | 176.9 | 177.0 | 177.1 | 177.3 | 177.4 | 177.6 | 177.8 | 177.8 | 178.0 | 178.2 | 178.2 |
| 120° | 190.7 | 191.1 | 191.5 | 191.9 | 192.3 | 192.5 | 192.6 | 192.7 | 192.7 | 192.8 | 192.8 |
| 122.5° | 205.6 | 205.7 | 205.9 | 206.0 | 206.1 | 206.4 | 206.5 | 206.8 | 207.0 | 207.2 | 207.1 |
| 125° | 225.9 | 226.3 | 226.8 | 227.3 | 227.8 | 228.1 | 228.1 | 228.2 | 228.3 | 228.4 | 228.2 |
| 127.5° | 247.4 | 247.6 | 248.0 | 248.2 | 248.5 | 248.7 | 248.7 | 248.8 | 248.9 | 249.1 | 249.0 |
| 130° | 260.3 | 260.7 | 261.1 | 261.5 | 261.9 | 262.2 | 262.4 | 262.5 | 262.7 | 262.8 | 262.8 |
| 132.5° | 273.2 | 273.9 | 274.6 | 275.2 | 275.8 | 276.2 | 276.2 | 276.1 | 276.1 | 276.0 | 275.9 |
| 135° | 293.7 | 294.2 | 294.7 | 295.2 | 295.6 | 295.9 | 296.0 | 296.0 | 296.1 | 296.2 | 296.2 |
| 137.5° | 312.9 | 313.4 | 313.9 | 314.3 | 314.8 | 315.1 | 315.3 | 315.4 | 315.6 | 315.8 | 315.9 |
| 140° | 325.3 | 325.7 | 326.1 | 326.5 | 326.9 | 327.3 | 327.5 | 327.7 | 328.0 | 328.2 | 328.4 |
| 142.5° | 337.6 | 337.9 | 338.3 | 338.7 | 339.0 | 339.3 | 339.6 | 339.9 | 340.2 | 340.6 | 340.6 |
| 145° | 355.8 | 356.2 | 356.5 | 356.8 | 357.1 | 357.4 | 357.6 | 357.8 | 358.1 | 358.3 | 358.3 |
| 147.5° | 372.6 | 372.8 | 373.0 | 373.1 | 373.4 | 373.5 | 373.7 | 373.9 | 374.1 | 374.3 | 374.5 |
| 150° | 383.8 | 383.7 | 383.7 | 383.6 | 383.5 | 383.7 | 384.0 | 384.3 | 384.6 | 384.9 | 384.9 |
| 152.5° | 393.0 | 393.2 | 393.2 | 393.3 | 393.5 | 393.6 | 393.7 | 393.9 | 394.0 | 394.1 | 394.3 |
| 155° | 407.2 | 407.2 | 407.2 | 407.2 | 407.2 | 407.2 | 407.3 | 407.3 | 407.4 | 407.5 | 407.8 |
| 157.5° | 419.8 | 419.6 | 419.5 | 419.3 | 419.1 | 419.1 | 419.1 | 419.2 | 419.3 | 419.4 | 419.7 |
| 160° | 427.3 | 427.1 | 426.7 | 426.5 | 426.3 | 426.2 | 426.3 | 426.4 | 426.4 | 426.5 | 426.9 |
| 162.5° | 433.9 | 433.7 | 433.6 | 433.3 | 433.2 | 433.1 | 433.1 | 433.1 | 433.2 | 433.2 | 433.6 |
| 165° | 442.7 | 442.5 | 442.4 | 442.2 | 442.0 | 442.0 | 442.1 | 442.2 | 442.3 | 442.4 | 442.7 |
| 167.5° | 450.2 | 449.9 | 449.6 | 449.2 | 448.9 | 448.8 | 448.8 | 448.8 | 448.8 | 448.8 | 449.2 |
| 170° | 454.2 | 453.8 | 453.5 | 453.2 | 452.9 | 452.7 | 452.7 | 452.7 | 452.7 | 452.7 | 453.2 |
| 172.5° | 457.1 | 456.8 | 456.5 | 456.1 | 455.8 | 455.7 | 455.7 | 455.7 | 455.7 | 455.7 | 456.1 |
| 175° | 460.3 | 459.9 | 459.6 | 459.3 | 459.0 | 458.8 | 458.8 | 458.8 | 458.8 | 458.8 | 459.3 |
| 177.5° | 461.9 | 461.7 | 461.4 | 461.2 | 460.9 | 460.7 | 460.7 | 460.7 | 460.6 | 460.5 | 460.9 |
| 180° | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 |



TEST NUMBER: P333465-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 |
| 2.5° | 1556.6 | 1558.9 | 1561.1 | 1562.0 | 1561.9 | 1561.6 | 1561.4 | 1561.2 |
| 5° | 1548.8 | 1551.3 | 1553.8 | 1554.9 | 1554.6 | 1554.3 | 1554.0 | 1553.8 |
| 7.5° | 1533.1 | 1535.6 | 1537.9 | 1539.1 | 1538.8 | 1538.5 | 1538.3 | 1537.9 |
| 10° | 1519.9 | 1522.1 | 1524.2 | 1525.2 | 1525.0 | 1524.6 | 1524.4 | 1524.2 |
| 12.5° | 1502.2 | 1504.0 | 1505.7 | 1506.6 | 1506.5 | 1506.4 | 1506.4 | 1506.3 |
| 15° | 1471.3 | 1472.7 | 1474.0 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 |
| 17.5° | 1435.4 | 1437.1 | 1438.8 | 1438.9 | 1437.6 | 1436.2 | 1434.8 | 1433.5 |
| 20° | 1408.2 | 1410.1 | 1412.0 | 1412.3 | 1410.9 | 1409.5 | 1408.2 | 1406.8 |
| 22.5° | 1377.2 | 1378.5 | 1379.7 | 1379.9 | 1379.0 | 1378.0 | 1377.1 | 1376.2 |
| 25° | 1327.6 | 1328.2 | 1328.7 | 1328.6 | 1327.8 | 1326.9 | 1326.1 | 1325.2 |
| 27.5° | 1275.6 | 1275.7 | 1275.8 | 1275.4 | 1274.6 | 1273.8 | 1273.0 | 1272.2 |
| 30° | 1237.7 | 1237.2 | 1236.6 | 1236.0 | 1235.1 | 1234.3 | 1233.4 | 1232.6 |
| 32.5° | 1199.3 | 1198.3 | 1197.3 | 1196.0 | 1194.6 | 1193.1 | 1191.6 | 1190.2 |
| 35° | 1139.7 | 1138.4 | 1137.0 | 1135.2 | 1133.0 | 1130.8 | 1128.6 | 1126.4 |
| 37.5° | 1077.1 | 1075.1 | 1073.1 | 1071.4 | 1070.2 | 1068.9 | 1067.6 | 1066.4 |
| 40° | 1033.8 | 1031.3 | 1028.8 | 1027.2 | 1026.4 | 1025.6 | 1024.7 | 1023.9 |
| 42.5° | 990.8 | 988.5 | 986.3 | 984.5 | 983.3 | 982.0 | 980.7 | 979.5 |
| 45° | 927.2 | 923.8 | 920.6 | 918.5 | 917.7 | 916.9 | 916.0 | 915.2 |
| 47.5° | 860.1 | 856.7 | 853.4 | 850.8 | 848.8 | 846.9 | 845.0 | 843.1 |
| 50° | 814.2 | 810.6 | 807.1 | 804.3 | 802.4 | 800.5 | 798.6 | 796.6 |
| 52.5° | 769.6 | 766.5 | 763.3 | 760.7 | 758.6 | 756.5 | 754.3 | 752.2 |
| 55° | 700.3 | 697.8 | 695.4 | 693.2 | 691.3 | 689.4 | 687.4 | 685.5 |
| 57.5° | 631.4 | 628.3 | 625.1 | 623.0 | 621.9 | 620.9 | 619.8 | 618.8 |
| 60° | 584.9 | 582.2 | 579.4 | 577.1 | 575.1 | 573.2 | 571.3 | 569.4 |
| 62.5° | 540.0 | 537.0 | 534.1 | 531.9 | 530.4 | 528.9 | 527.4 | 525.9 |
| 65° | 469.4 | 466.8 | 464.4 | 462.6 | 461.5 | 460.4 | 459.3 | 458.2 |
| 67.5° | 402.0 | 399.8 | 397.8 | 396.4 | 395.7 | 395.1 | 394.4 | 393.7 |
| 70° | 357.4 | 355.7 | 354.0 | 352.7 | 351.6 | 350.5 | 349.4 | 348.3 |
| 72.5° | 315.4 | 313.5 | 311.7 | 310.2 | 309.1 | 308.0 | 306.9 | 305.8 |
| 75° | 250.3 | 249.5 | 248.7 | 247.7 | 246.6 | 245.5 | 244.4 | 243.3 |
| 77.5° | 190.7 | 190.2 | 189.7 | 189.1 | 188.3 | 187.5 | 186.8 | 186.0 |
| 80° | 152.6 | 152.3 | 152.0 | 151.6 | 151.1 | 150.5 | 150.0 | 149.5 |
| 82.5° | 116.6 | 116.1 | 115.6 | 115.3 | 115.2 | 115.1 | 114.9 | 114.9 |
| 85° | 68.6 | 68.4 | 68.0 | 67.7 | 67.1 | 66.5 | 66.0 | 65.4 |
| 87.5° | 27.0 | 27.1 | 27.2 | 27.0 | 26.6 | 26.2 | 25.8 | 25.4 |
| 90° | 6.6 | 7.0 | 7.4 | 7.7 | 7.9 | 8.2 | 8.4 | 8.6 |
| 92.5° | 14.8 | 15.4 | 15.9 | 16.2 | 16.4 | 16.6 | 16.8 | 17.0 |
| 95° | 28.8 | 29.3 | 29.9 | 30.3 | 30.4 | 30.6 | 30.7 | 30.9 |
| 97.5° | 45.1 | 45.6 | 46.1 | 46.4 | 46.5 | 46.7 | 46.7 | 46.8 |
| 100° | 56.4 | 57.1 | 57.8 | 58.2 | 58.4 | 58.5 | 58.7 | 58.9 |
| 102.5° | 68.0 | 68.8 | 69.6 | 70.0 | 70.3 | 70.5 | 70.7 | 71.0 |
| 105° | 86.7 | 87.2 | 87.7 | 88.1 | 88.3 | 88.6 | 88.8 | 89.0 |
| 107.5° | 107.0 | 107.3 | 107.5 | 107.7 | 107.7 | 107.6 | 107.6 | 107.6 |
| 110° | 121.1 | 121.4 | 121.6 | 121.7 | 121.6 | 121.5 | 121.4 | 121.4 |



TEST NUMBER: P333465-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 135.2 | 135.3 | 135.5 | 135.5 | 135.3 | 135.1 | 135.0 | 134.8 |
| 115° | 156.8 | 156.7 | 156.6 | 156.5 | 156.5 | 156.4 | 156.3 | 156.2 |
| 117.5° | 178.3 | 178.3 | 178.4 | 178.3 | 178.0 | 177.7 | 177.3 | 177.0 |
| 120° | 192.8 | 192.8 | 192.8 | 192.7 | 192.3 | 192.0 | 191.7 | 191.4 |
| 122.5° | 207.1 | 207.0 | 206.9 | 206.8 | 206.5 | 206.3 | 206.0 | 205.7 |
| 125° | 228.1 | 227.9 | 227.8 | 227.6 | 227.5 | 227.4 | 227.4 | 227.3 |
| 127.5° | 248.9 | 248.8 | 248.7 | 248.6 | 248.4 | 248.3 | 248.1 | 248.0 |
| 130° | 262.7 | 262.6 | 262.5 | 262.4 | 262.2 | 262.1 | 261.9 | 261.7 |
| 132.5° | 275.8 | 275.8 | 275.7 | 275.6 | 275.4 | 275.1 | 274.9 | 274.6 |
| 135° | 296.2 | 296.2 | 296.2 | 296.0 | 295.7 | 295.4 | 295.1 | 294.8 |
| 137.5° | 316.0 | 316.1 | 316.2 | 316.1 | 315.7 | 315.3 | 314.8 | 314.4 |
| 140° | 328.5 | 328.7 | 328.8 | 328.7 | 328.3 | 327.9 | 327.5 | 327.1 |
| 142.5° | 340.7 | 340.8 | 340.9 | 340.7 | 340.3 | 339.9 | 339.5 | 339.1 |
| 145° | 358.3 | 358.3 | 358.3 | 358.2 | 358.0 | 357.7 | 357.5 | 357.3 |
| 147.5° | 374.6 | 374.9 | 375.0 | 374.9 | 374.3 | 373.8 | 373.2 | 372.7 |
| 150° | 384.9 | 384.9 | 384.9 | 384.8 | 384.7 | 384.5 | 384.4 | 384.2 |
| 152.5° | 394.5 | 394.7 | 394.8 | 394.8 | 394.5 | 394.3 | 394.0 | 393.6 |
| 155° | 408.1 | 408.4 | 408.8 | 408.8 | 408.4 | 408.0 | 407.6 | 407.2 |
| 157.5° | 420.0 | 420.3 | 420.6 | 420.6 | 420.0 | 419.5 | 419.0 | 418.4 |
| 160° | 427.2 | 427.5 | 427.9 | 427.8 | 427.4 | 427.0 | 426.6 | 426.2 |
| 162.5° | 434.0 | 434.3 | 434.7 | 434.7 | 434.2 | 433.7 | 433.2 | 432.8 |
| 165° | 443.0 | 443.3 | 443.6 | 443.5 | 443.1 | 442.6 | 442.1 | 441.6 |
| 167.5° | 449.7 | 450.2 | 450.7 | 450.7 | 450.1 | 449.6 | 449.2 | 448.7 |
| 170° | 453.7 | 454.2 | 454.7 | 454.6 | 454.1 | 453.5 | 453.0 | 452.4 |
| 172.5° | 456.6 | 457.1 | 457.6 | 457.6 | 457.0 | 456.5 | 456.1 | 455.6 |
| 175° | 459.8 | 460.3 | 460.8 | 460.7 | 460.2 | 459.6 | 459.1 | 458.5 |
| 177.5° | 461.3 | 461.7 | 462.1 | 462.0 | 461.6 | 461.1 | 460.7 | 460.3 |
| 180° | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 |

(END OF REPORT)