

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: P333438-840

Luminaire Tested: **S125DIW-S1090D770U840-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333438-840
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-S1090D770U840-4F0-1E-UDD-D
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7408.8 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: General Diffuse

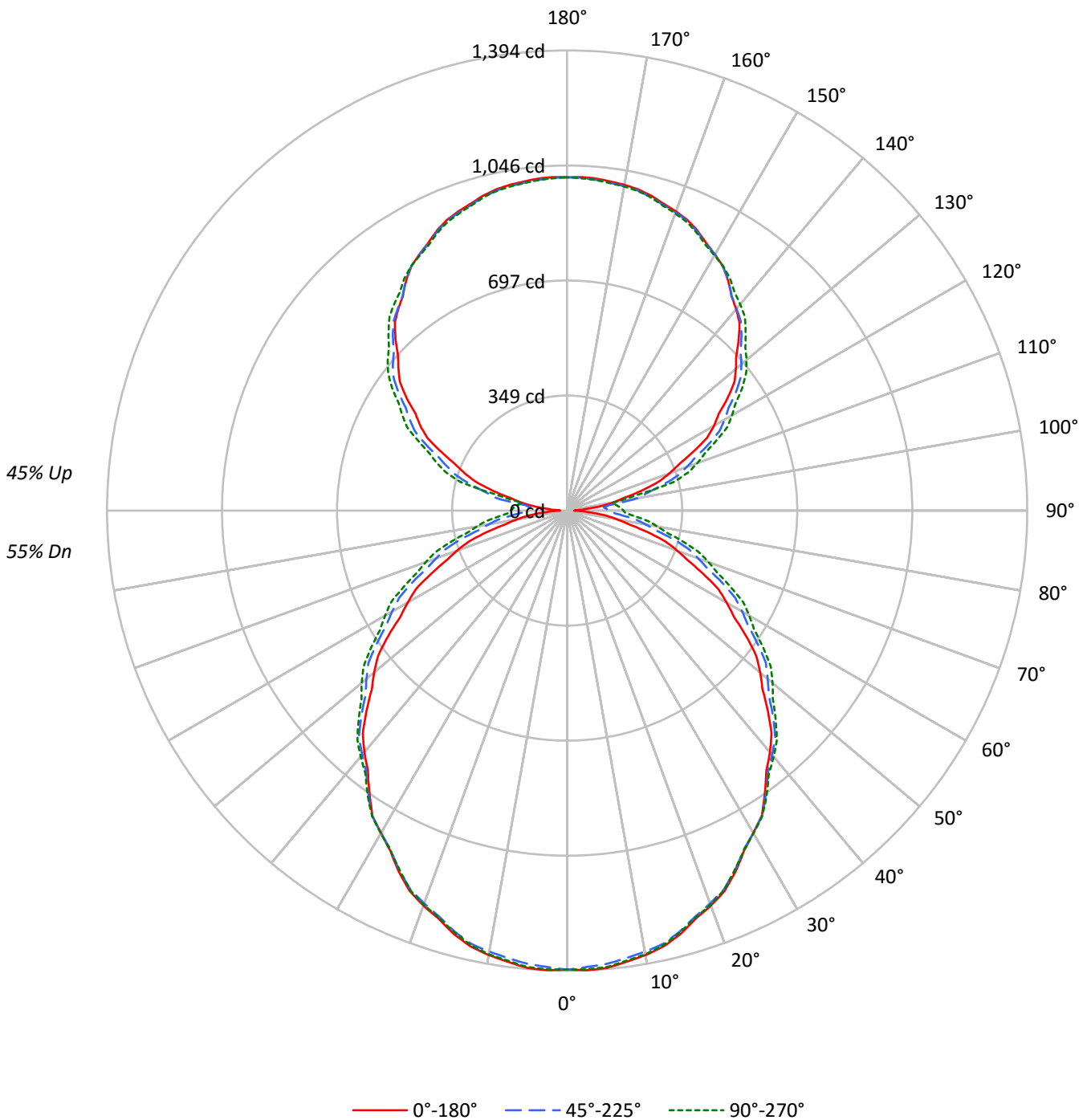
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333438-840

CATALOG NUMBER: S125DIW-S1090D770U840-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333438-840

CATALOG NUMBER: S125DIW-S1090D770U840-4F0-1E-UDD-D

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|--|-----|-----|-----|-----|--|----|----|----|--|----|----|----|--|----|----|----|----|
| RF | 20 | | | | | 20 | | | | | | 20 | | | | | | | | 20 | | |
| RC | 80 | | | | | 70 | | | | | | 30 | | | | | | | | 10 | 0 | |
| RW | 70 | 50 | 30 | 10 | | 70 | 50 | 30 | 10 | | 50 | 30 | 10 | | 50 | 30 | 10 | | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | | 100 | 100 | 100 | 100 | | 86 | 86 | 86 | | 73 | 73 | 73 | | 60 | 60 | 60 | 55 |
| 1 | 98 | 93 | 89 | 85 | | 91 | 87 | 83 | 80 | | 74 | 71 | 69 | | 63 | 61 | 59 | | 52 | 51 | 49 | 44 |
| 2 | 89 | 81 | 74 | 69 | | 82 | 75 | 70 | 65 | | 64 | 60 | 56 | | 55 | 51 | 49 | | 45 | 43 | 41 | 36 |
| 3 | 81 | 71 | 63 | 57 | | 75 | 66 | 59 | 54 | | 57 | 51 | 47 | | 48 | 44 | 41 | | 40 | 37 | 35 | 31 |
| 4 | 74 | 63 | 54 | 48 | | 68 | 58 | 51 | 45 | | 50 | 44 | 40 | | 43 | 38 | 35 | | 36 | 32 | 30 | 26 |
| 5 | 68 | 56 | 47 | 41 | | 63 | 52 | 44 | 39 | | 45 | 39 | 34 | | 38 | 34 | 30 | | 32 | 28 | 26 | 22 |
| 6 | 62 | 50 | 42 | 36 | | 58 | 47 | 39 | 34 | | 40 | 34 | 30 | | 34 | 30 | 26 | | 29 | 25 | 22 | 20 |
| 7 | 58 | 45 | 37 | 31 | | 53 | 42 | 35 | 29 | | 37 | 31 | 26 | | 31 | 27 | 23 | | 26 | 23 | 20 | 17 |
| 8 | 54 | 41 | 33 | 27 | | 50 | 38 | 31 | 26 | | 33 | 27 | 23 | | 29 | 24 | 21 | | 24 | 21 | 18 | 15 |
| 9 | 50 | 37 | 30 | 24 | | 46 | 35 | 28 | 23 | | 31 | 25 | 21 | | 26 | 22 | 18 | | 22 | 19 | 16 | 14 |
| 10 | 47 | 34 | 27 | 22 | | 43 | 32 | 25 | 21 | | 28 | 23 | 19 | | 24 | 20 | 17 | | 21 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8981 | 8981 | 8981 |
| 5° | 8999 | 8815 | 8843 |
| 10° | 8935 | 8658 | 8644 |
| 15° | 8829 | 8469 | 8392 |
| 20° | 8685 | 8236 | 8140 |
| 25° | 8515 | 7987 | 7828 |
| 30° | 8308 | 7712 | 7547 |
| 35° | 8115 | 7461 | 7288 |
| 40° | 7918 | 7195 | 7027 |
| 45° | 7696 | 6968 | 6796 |
| 50° | 7485 | 6722 | 6592 |
| 55° | 7230 | 6489 | 6352 |
| 60° | 6950 | 6223 | 6107 |
| 65° | 6660 | 5946 | 5832 |
| 70° | 6332 | 5566 | 5549 |
| 75° | 5809 | 5201 | 5201 |
| 80° | 5122 | 4760 | 4822 |
| 85° | 4483 | 4460 | 4702 |



TEST NUMBER: P333438-840

CATALOG NUMBER: S125DIW-S1090D770U840-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 131.5 | 1.8 |
| 10°-20° | 373.3 | 5.0 |
| 20°-30° | 555.1 | 7.5 |
| 30°-40° | 657.5 | 8.9 |
| 40°-50° | 679.8 | 9.2 |
| 50°-60° | 626.3 | 8.5 |
| 60°-70° | 506.2 | 6.8 |
| 70°-80° | 339.0 | 4.6 |
| 80°-90° | 177.9 | 2.4 |
| 90°-100° | 135.3 | 1.8 |
| 100°-110° | 298.8 | 4.0 |
| 110°-120° | 458.8 | 6.2 |
| 120°-130° | 553.9 | 7.5 |
| 130°-140° | 578.1 | 7.8 |
| 140°-150° | 533.7 | 7.2 |
| 150°-160° | 429.8 | 5.8 |
| 160°-170° | 277.9 | 3.8 |
| 170°-180° | 95.9 | 1.3 |
| 0°-30° | 1059.9 | 14.3 |
| 0°-40° | 1717.4 | 23.2 |
| 0°-60° | 3023.5 | 40.8 |
| 0°-90° | 4046.7 | 54.6 |
| 90°-120° | 892.9 | 12.1 |
| 90°-150° | 2558.6 | 34.5 |
| 90°-180° | 3362.0 | 45.4 |
| 0°-180° | 7408.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1391 | 1391 | 1391 | 1391 | 1391 | |
| 5° | 1391 | 1387 | 1378 | 1389 | 1388 | 132 |
| 15° | 1328 | 1329 | 1320 | 1327 | 1322 | 374 |
| 25° | 1206 | 1210 | 1202 | 1207 | 1201 | 555 |
| 35° | 1044 | 1053 | 1050 | 1054 | 1054 | 653 |
| 45° | 860 | 875 | 882 | 891 | 893 | 664 |
| 55° | 661 | 683 | 705 | 719 | 725 | 591 |
| 65° | 455 | 487 | 519 | 539 | 545 | 452 |
| 75° | 251 | 287 | 330 | 356 | 364 | 266 |
| 85° | 75 | 120 | 168 | 197 | 208 | 80 |
| 90° | 22 | 72 | 124 | 158 | 171 | 16 |
| 95° | 60 | 93 | 112 | 144 | 155 | 68 |
| 105° | 232 | 258 | 298 | 324 | 334 | 246 |
| 115° | 421 | 436 | 471 | 491 | 496 | 417 |
| 125° | 593 | 598 | 624 | 642 | 647 | 529 |
| 135° | 735 | 739 | 746 | 762 | 765 | 567 |
| 145° | 851 | 851 | 851 | 858 | 859 | 531 |
| 155° | 935 | 931 | 932 | 934 | 929 | 431 |
| 165° | 987 | 983 | 983 | 987 | 982 | 279 |
| 175° | 1010 | 1005 | 1006 | 1011 | 1005 | 96 |
| 180° | 1010 | 1010 | 1010 | 1010 | 1010 | |



TEST NUMBER: P333438-840

CATALOG NUMBER: S125DIW-S1090D770U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 |
| 2.5° | 1393.8 | 1393.3 | 1392.8 | 1392.4 | 1391.9 | 1390.8 | 1389.1 | 1387.4 | 1385.7 | 1384.0 | 1385.7 |
| 5° | 1390.6 | 1390.0 | 1389.4 | 1388.8 | 1388.2 | 1386.7 | 1384.6 | 1382.5 | 1380.4 | 1378.3 | 1380.7 |
| 7.5° | 1378.3 | 1378.1 | 1377.8 | 1377.6 | 1377.4 | 1376.1 | 1373.9 | 1371.7 | 1369.6 | 1367.4 | 1369.5 |
| 10° | 1367.4 | 1367.4 | 1367.4 | 1367.4 | 1367.4 | 1366.1 | 1363.7 | 1361.3 | 1358.9 | 1356.5 | 1358.6 |
| 12.5° | 1352.1 | 1352.3 | 1352.6 | 1352.8 | 1353.1 | 1352.2 | 1350.3 | 1348.4 | 1346.5 | 1344.4 | 1346.2 |
| 15° | 1327.9 | 1328.2 | 1328.5 | 1328.8 | 1329.1 | 1328.2 | 1326.1 | 1323.9 | 1321.8 | 1319.7 | 1321.5 |
| 17.5° | 1296.2 | 1296.8 | 1297.4 | 1298.0 | 1298.6 | 1297.9 | 1295.8 | 1293.6 | 1291.5 | 1289.4 | 1290.8 |
| 20° | 1273.3 | 1273.9 | 1274.6 | 1275.2 | 1275.8 | 1275.0 | 1272.8 | 1270.7 | 1268.6 | 1266.5 | 1267.4 |
| 22.5° | 1247.1 | 1248.2 | 1249.3 | 1250.4 | 1251.5 | 1250.8 | 1248.5 | 1246.2 | 1243.7 | 1241.4 | 1242.5 |
| 25° | 1206.5 | 1207.4 | 1208.3 | 1209.2 | 1210.1 | 1209.7 | 1207.9 | 1206.1 | 1204.3 | 1202.4 | 1203.7 |
| 27.5° | 1161.2 | 1162.6 | 1163.9 | 1165.3 | 1166.6 | 1166.2 | 1164.2 | 1162.1 | 1160.0 | 1158.0 | 1158.8 |
| 30° | 1127.4 | 1129.2 | 1131.0 | 1132.9 | 1134.7 | 1134.7 | 1132.9 | 1131.0 | 1129.2 | 1127.4 | 1128.0 |
| 32.5° | 1096.9 | 1098.4 | 1100.0 | 1101.7 | 1103.2 | 1103.3 | 1102.0 | 1100.7 | 1099.3 | 1098.0 | 1098.6 |
| 35° | 1044.3 | 1046.4 | 1048.5 | 1050.7 | 1052.8 | 1053.4 | 1052.5 | 1051.6 | 1050.7 | 1049.8 | 1050.7 |
| 37.5° | 991.7 | 993.6 | 995.5 | 997.4 | 999.4 | 1000.3 | 1000.0 | 999.7 | 999.4 | 999.1 | 1000.3 |
| 40° | 955.6 | 958.1 | 960.5 | 962.9 | 965.3 | 966.4 | 966.1 | 965.8 | 965.5 | 965.2 | 966.4 |
| 42.5° | 916.4 | 919.6 | 922.7 | 925.8 | 929.0 | 930.9 | 931.6 | 932.2 | 932.9 | 933.6 | 935.0 |
| 45° | 860.2 | 863.5 | 866.9 | 870.2 | 873.5 | 876.0 | 877.5 | 879.0 | 880.5 | 882.0 | 884.1 |
| 47.5° | 802.7 | 805.8 | 808.9 | 811.9 | 815.1 | 817.9 | 820.5 | 823.1 | 825.8 | 828.3 | 831.4 |
| 50° | 763.5 | 766.8 | 770.1 | 773.5 | 776.8 | 780.1 | 783.5 | 786.8 | 790.1 | 793.5 | 796.8 |
| 52.5° | 722.0 | 726.1 | 730.1 | 734.2 | 738.2 | 742.3 | 746.4 | 750.4 | 754.5 | 758.5 | 762.1 |
| 55° | 661.2 | 666.0 | 670.9 | 675.7 | 680.5 | 685.4 | 690.2 | 695.1 | 699.9 | 704.8 | 708.1 |
| 57.5° | 599.1 | 604.8 | 610.7 | 616.5 | 622.3 | 628.0 | 633.6 | 639.1 | 644.7 | 650.3 | 654.1 |
| 60° | 557.5 | 563.6 | 569.7 | 575.7 | 581.8 | 587.8 | 593.9 | 600.0 | 606.0 | 612.1 | 616.6 |
| 62.5° | 517.3 | 523.3 | 529.4 | 535.4 | 541.5 | 547.8 | 554.3 | 560.9 | 567.4 | 573.9 | 579.0 |
| 65° | 455.3 | 462.3 | 469.3 | 476.3 | 483.2 | 490.3 | 497.6 | 504.8 | 512.1 | 519.4 | 523.9 |
| 67.5° | 397.0 | 403.7 | 410.4 | 417.2 | 423.8 | 430.9 | 438.4 | 445.8 | 453.1 | 460.5 | 466.1 |
| 70° | 354.5 | 361.4 | 368.4 | 375.4 | 382.3 | 389.7 | 397.6 | 405.5 | 413.3 | 421.2 | 427.0 |
| 72.5° | 313.1 | 320.2 | 327.4 | 334.7 | 341.8 | 349.7 | 358.4 | 367.0 | 375.6 | 384.2 | 390.4 |
| 75° | 250.9 | 258.7 | 266.6 | 274.5 | 282.4 | 291.1 | 300.8 | 310.5 | 320.2 | 329.9 | 336.0 |
| 77.5° | 191.2 | 200.3 | 209.3 | 218.4 | 227.5 | 236.7 | 246.0 | 255.4 | 264.7 | 274.0 | 280.6 |
| 80° | 154.0 | 163.1 | 172.2 | 181.3 | 190.4 | 200.1 | 210.4 | 220.7 | 231.0 | 241.3 | 247.9 |
| 82.5° | 120.3 | 129.8 | 139.4 | 149.0 | 158.5 | 168.5 | 179.2 | 189.7 | 200.3 | 210.8 | 217.2 |
| 85° | 74.9 | 84.9 | 94.9 | 104.9 | 114.9 | 125.2 | 135.8 | 146.4 | 157.0 | 167.6 | 174.3 |
| 87.5° | 42.7 | 52.6 | 62.6 | 72.6 | 82.5 | 92.8 | 103.3 | 113.8 | 124.4 | 134.9 | 142.1 |
| 90° | 22.5 | 33.6 | 44.6 | 55.6 | 66.7 | 77.9 | 89.4 | 100.8 | 112.3 | 123.8 | 131.6 |
| 92.5° | 31.2 | 39.2 | 47.3 | 55.2 | 63.3 | 73.1 | 84.7 | 96.2 | 107.9 | 119.4 | 126.9 |
| 95° | 60.4 | 67.8 | 75.1 | 82.5 | 89.9 | 95.5 | 99.6 | 103.5 | 107.6 | 111.5 | 119.0 |
| 97.5° | 105.1 | 113.1 | 121.1 | 129.1 | 137.0 | 139.8 | 137.2 | 134.6 | 132.1 | 129.6 | 131.2 |
| 100° | 140.0 | 146.8 | 153.7 | 160.6 | 167.4 | 176.0 | 186.4 | 196.7 | 207.1 | 217.4 | 199.0 |
| 102.5° | 175.4 | 181.9 | 188.4 | 194.9 | 201.5 | 209.6 | 219.4 | 229.3 | 239.1 | 249.0 | 250.4 |
| 105° | 232.3 | 237.8 | 243.3 | 248.8 | 254.3 | 261.7 | 270.7 | 279.8 | 288.9 | 298.0 | 304.1 |
| 107.5° | 291.3 | 295.5 | 299.6 | 303.8 | 307.9 | 314.5 | 323.6 | 332.5 | 341.6 | 350.7 | 356.7 |
| 110° | 329.8 | 333.5 | 337.1 | 340.7 | 344.4 | 350.5 | 359.4 | 368.2 | 377.0 | 385.9 | 391.1 |



TEST NUMBER: P333438-840

CATALOG NUMBER: S125DIW-S1090D770U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 366.9 | 370.2 | 373.5 | 376.9 | 380.1 | 386.1 | 394.5 | 402.9 | 411.3 | 419.8 | 424.6 |
| 115° | 421.2 | 424.1 | 427.2 | 430.1 | 433.0 | 438.5 | 446.6 | 454.6 | 462.6 | 470.7 | 475.4 |
| 117.5° | 477.5 | 478.9 | 480.2 | 481.6 | 482.9 | 487.7 | 495.7 | 503.8 | 511.9 | 520.0 | 524.2 |
| 120° | 513.4 | 514.1 | 514.9 | 515.6 | 516.3 | 520.5 | 528.0 | 535.4 | 542.9 | 550.4 | 555.1 |
| 122.5° | 544.0 | 545.1 | 546.1 | 547.2 | 548.3 | 552.3 | 559.3 | 566.2 | 573.1 | 580.1 | 584.7 |
| 125° | 592.9 | 593.7 | 594.6 | 595.4 | 596.3 | 599.8 | 605.8 | 611.9 | 617.9 | 624.0 | 628.1 |
| 127.5° | 638.3 | 638.8 | 639.3 | 640.0 | 640.5 | 643.2 | 648.0 | 652.9 | 657.7 | 662.6 | 666.7 |
| 130° | 667.0 | 667.6 | 668.1 | 668.6 | 669.1 | 671.7 | 676.0 | 680.4 | 684.9 | 689.2 | 693.0 |
| 132.5° | 694.7 | 695.6 | 696.5 | 697.4 | 698.3 | 700.2 | 703.2 | 706.0 | 708.9 | 711.9 | 716.0 |
| 135° | 735.3 | 736.0 | 736.7 | 737.4 | 738.1 | 739.3 | 741.1 | 742.9 | 744.7 | 746.5 | 750.0 |
| 137.5° | 772.5 | 773.2 | 773.9 | 774.5 | 775.1 | 775.8 | 776.5 | 777.2 | 777.9 | 778.7 | 782.3 |
| 140° | 796.1 | 796.4 | 796.7 | 797.0 | 797.4 | 797.6 | 797.7 | 797.9 | 798.0 | 798.1 | 801.8 |
| 142.5° | 818.2 | 818.1 | 818.1 | 818.1 | 818.0 | 818.1 | 818.4 | 818.7 | 819.0 | 819.3 | 822.2 |
| 145° | 850.6 | 850.7 | 850.7 | 850.7 | 850.8 | 850.8 | 850.8 | 850.8 | 850.8 | 850.8 | 852.4 |
| 147.5° | 877.8 | 877.7 | 877.6 | 877.6 | 877.5 | 877.6 | 877.8 | 877.9 | 878.1 | 878.3 | 879.0 |
| 150° | 895.6 | 895.3 | 895.0 | 894.6 | 894.3 | 894.3 | 894.6 | 895.0 | 895.3 | 895.6 | 896.1 |
| 152.5° | 913.0 | 912.3 | 911.6 | 910.9 | 910.1 | 909.9 | 910.3 | 910.6 | 910.9 | 911.2 | 911.6 |
| 155° | 935.3 | 934.3 | 933.3 | 932.3 | 931.4 | 931.0 | 931.4 | 931.7 | 932.0 | 932.3 | 932.8 |
| 157.5° | 952.5 | 952.0 | 951.4 | 950.8 | 950.2 | 949.9 | 949.9 | 950.0 | 950.0 | 950.0 | 950.6 |
| 160° | 964.5 | 963.5 | 962.5 | 961.5 | 960.6 | 960.1 | 960.3 | 960.5 | 960.6 | 960.8 | 961.5 |
| 162.5° | 974.1 | 973.1 | 972.1 | 971.1 | 970.1 | 969.7 | 969.9 | 970.1 | 970.2 | 970.4 | 971.3 |
| 165° | 986.9 | 985.9 | 985.0 | 984.0 | 983.0 | 982.6 | 982.7 | 982.9 | 983.1 | 983.2 | 984.2 |
| 167.5° | 996.5 | 995.5 | 994.5 | 993.5 | 992.4 | 992.0 | 992.2 | 992.3 | 992.5 | 992.7 | 993.8 |
| 170° | 1002.0 | 1000.8 | 999.6 | 998.5 | 997.2 | 996.7 | 996.9 | 997.1 | 997.2 | 997.4 | 998.8 |
| 172.5° | 1005.5 | 1004.4 | 1003.2 | 1002.0 | 1000.9 | 1000.5 | 1000.8 | 1001.1 | 1001.4 | 1001.7 | 1002.8 |
| 175° | 1009.5 | 1008.5 | 1007.4 | 1006.4 | 1005.4 | 1005.0 | 1005.2 | 1005.3 | 1005.5 | 1005.7 | 1007.0 |
| 177.5° | 1011.2 | 1010.4 | 1009.7 | 1008.9 | 1008.0 | 1007.6 | 1007.8 | 1007.9 | 1008.0 | 1008.2 | 1009.2 |
| 180° | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 |



TEST NUMBER: P333438-840

CATALOG NUMBER: S125DIW-S1090D770U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 |
| 2.5° | 1387.4 | 1389.1 | 1390.8 | 1391.5 | 1391.3 | 1391.0 | 1390.8 | 1390.6 |
| 5° | 1383.1 | 1385.5 | 1388.0 | 1389.1 | 1388.8 | 1388.5 | 1388.2 | 1387.9 |
| 7.5° | 1371.6 | 1373.7 | 1375.8 | 1376.7 | 1376.4 | 1376.1 | 1375.8 | 1375.5 |
| 10° | 1360.7 | 1362.8 | 1364.9 | 1365.8 | 1365.5 | 1365.2 | 1364.9 | 1364.6 |
| 12.5° | 1347.8 | 1349.4 | 1351.0 | 1351.4 | 1350.7 | 1349.9 | 1349.1 | 1348.3 |
| 15° | 1323.3 | 1325.1 | 1327.0 | 1327.3 | 1326.1 | 1324.8 | 1323.6 | 1322.4 |
| 17.5° | 1292.2 | 1293.5 | 1294.9 | 1295.3 | 1294.5 | 1293.8 | 1293.1 | 1292.4 |
| 20° | 1268.3 | 1269.2 | 1270.1 | 1270.6 | 1270.6 | 1270.6 | 1270.6 | 1270.6 |
| 22.5° | 1243.7 | 1244.9 | 1246.0 | 1246.2 | 1245.5 | 1244.8 | 1244.1 | 1243.3 |
| 25° | 1204.9 | 1206.1 | 1207.3 | 1207.1 | 1205.6 | 1204.1 | 1202.5 | 1201.0 |
| 27.5° | 1159.6 | 1160.5 | 1161.3 | 1161.5 | 1160.9 | 1160.4 | 1159.8 | 1159.3 |
| 30° | 1128.6 | 1129.2 | 1129.8 | 1130.0 | 1129.7 | 1129.4 | 1129.1 | 1128.8 |
| 32.5° | 1099.2 | 1099.8 | 1100.4 | 1100.6 | 1100.2 | 1099.9 | 1099.6 | 1099.3 |
| 35° | 1051.6 | 1052.5 | 1053.4 | 1053.8 | 1053.8 | 1053.8 | 1053.8 | 1053.8 |
| 37.5° | 1001.5 | 1002.7 | 1003.9 | 1004.4 | 1004.3 | 1004.2 | 1004.0 | 1003.9 |
| 40° | 967.7 | 968.9 | 970.1 | 971.0 | 971.6 | 972.2 | 972.8 | 973.4 |
| 42.5° | 936.4 | 938.0 | 939.4 | 940.2 | 940.3 | 940.4 | 940.6 | 940.7 |
| 45° | 886.3 | 888.4 | 890.5 | 891.7 | 892.0 | 892.3 | 892.6 | 892.9 |
| 47.5° | 834.6 | 837.6 | 840.7 | 842.5 | 843.2 | 843.9 | 844.6 | 845.3 |
| 50° | 800.1 | 803.4 | 806.8 | 808.9 | 809.8 | 810.7 | 811.6 | 812.5 |
| 52.5° | 765.7 | 769.2 | 772.8 | 775.0 | 775.6 | 776.3 | 777.0 | 777.6 |
| 55° | 711.4 | 714.8 | 718.1 | 720.4 | 721.6 | 722.9 | 724.1 | 725.3 |
| 57.5° | 657.9 | 661.8 | 665.6 | 667.9 | 668.8 | 669.7 | 670.7 | 671.6 |
| 60° | 621.2 | 625.7 | 630.3 | 633.0 | 633.9 | 634.8 | 635.7 | 636.6 |
| 62.5° | 584.0 | 589.1 | 594.1 | 597.1 | 598.3 | 599.5 | 600.6 | 601.8 |
| 65° | 528.5 | 533.0 | 537.6 | 540.5 | 541.7 | 542.9 | 544.1 | 545.3 |
| 67.5° | 471.5 | 477.1 | 482.6 | 486.1 | 487.7 | 489.3 | 490.8 | 492.4 |
| 70° | 432.7 | 438.5 | 444.2 | 448.1 | 449.9 | 451.7 | 453.5 | 455.3 |
| 72.5° | 396.7 | 402.9 | 409.1 | 412.9 | 414.2 | 415.6 | 416.9 | 418.3 |
| 75° | 342.0 | 348.1 | 354.2 | 357.9 | 359.4 | 360.9 | 362.4 | 364.0 |
| 77.5° | 287.3 | 294.0 | 300.6 | 304.6 | 305.8 | 307.0 | 308.2 | 309.4 |
| 80° | 254.6 | 261.3 | 267.9 | 271.9 | 273.1 | 274.3 | 275.5 | 276.7 |
| 82.5° | 223.6 | 230.0 | 236.4 | 240.8 | 243.0 | 245.1 | 247.3 | 249.4 |
| 85° | 181.0 | 187.6 | 194.3 | 198.8 | 201.3 | 203.7 | 206.1 | 208.5 |
| 87.5° | 149.2 | 156.3 | 163.4 | 168.1 | 170.4 | 172.6 | 174.8 | 177.0 |
| 90° | 139.4 | 147.1 | 154.9 | 160.2 | 162.8 | 165.4 | 168.0 | 170.7 |
| 92.5° | 134.5 | 142.1 | 149.7 | 154.6 | 156.9 | 159.3 | 161.7 | 164.0 |
| 95° | 126.4 | 134.0 | 141.5 | 146.3 | 148.5 | 150.6 | 152.7 | 154.8 |
| 97.5° | 132.9 | 134.5 | 136.2 | 138.0 | 140.2 | 142.2 | 144.2 | 146.3 |
| 100° | 180.7 | 162.2 | 143.8 | 135.1 | 136.3 | 137.4 | 138.7 | 139.8 |
| 102.5° | 251.9 | 253.3 | 254.7 | 250.6 | 241.3 | 231.8 | 222.3 | 212.8 |
| 105° | 310.1 | 316.2 | 322.2 | 326.2 | 328.2 | 330.1 | 332.0 | 334.1 |
| 107.5° | 362.7 | 368.8 | 374.9 | 378.5 | 379.9 | 381.3 | 382.6 | 384.1 |
| 110° | 396.4 | 401.6 | 406.9 | 410.6 | 412.9 | 415.3 | 417.5 | 419.8 |



TEST NUMBER: P333438-840

CATALOG NUMBER: S125DIW-S1090D770U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 429.5 | 434.4 | 439.3 | 442.7 | 444.5 | 446.5 | 448.4 | 450.2 |
| 115° | 480.3 | 485.0 | 489.9 | 492.6 | 493.5 | 494.3 | 495.1 | 495.9 |
| 117.5° | 528.6 | 532.8 | 537.1 | 540.1 | 541.7 | 543.3 | 544.9 | 546.6 |
| 120° | 560.0 | 564.8 | 569.6 | 572.5 | 573.5 | 574.5 | 575.4 | 576.4 |
| 122.5° | 589.3 | 593.8 | 598.4 | 601.1 | 602.0 | 602.8 | 603.7 | 604.5 |
| 125° | 632.4 | 636.5 | 640.8 | 643.3 | 644.3 | 645.3 | 646.3 | 647.4 |
| 127.5° | 670.9 | 675.0 | 679.1 | 681.5 | 682.0 | 682.5 | 683.0 | 683.5 |
| 130° | 696.8 | 700.5 | 704.3 | 706.5 | 707.1 | 707.8 | 708.5 | 709.2 |
| 132.5° | 720.1 | 724.3 | 728.4 | 730.7 | 731.1 | 731.5 | 732.1 | 732.5 |
| 135° | 753.7 | 757.3 | 760.8 | 763.0 | 763.5 | 764.0 | 764.5 | 765.0 |
| 137.5° | 786.0 | 789.6 | 793.2 | 795.3 | 795.6 | 795.9 | 796.3 | 796.6 |
| 140° | 805.5 | 809.1 | 812.8 | 814.8 | 815.0 | 815.2 | 815.4 | 815.6 |
| 142.5° | 825.2 | 828.1 | 830.9 | 832.5 | 832.7 | 832.9 | 833.1 | 833.3 |
| 145° | 854.1 | 855.9 | 857.5 | 858.5 | 858.7 | 858.9 | 859.1 | 859.3 |
| 147.5° | 879.7 | 880.4 | 881.1 | 881.1 | 880.4 | 879.8 | 879.1 | 878.5 |
| 150° | 896.4 | 896.7 | 897.1 | 896.7 | 895.6 | 894.6 | 893.6 | 892.5 |
| 152.5° | 911.9 | 912.2 | 912.6 | 912.2 | 911.0 | 909.9 | 908.8 | 907.7 |
| 155° | 933.3 | 933.8 | 934.3 | 933.9 | 932.6 | 931.3 | 930.0 | 928.6 |
| 157.5° | 951.1 | 951.6 | 952.1 | 951.7 | 950.4 | 949.1 | 947.8 | 946.4 |
| 160° | 962.1 | 962.8 | 963.4 | 963.1 | 961.8 | 960.5 | 959.2 | 957.8 |
| 162.5° | 972.2 | 973.1 | 974.1 | 973.8 | 972.4 | 970.9 | 969.5 | 968.0 |
| 165° | 985.2 | 986.2 | 987.2 | 987.0 | 985.7 | 984.4 | 983.1 | 981.7 |
| 167.5° | 995.0 | 996.2 | 997.4 | 997.3 | 995.8 | 994.3 | 992.8 | 991.3 |
| 170° | 1000.1 | 1001.5 | 1002.8 | 1002.7 | 1001.2 | 999.7 | 998.2 | 996.7 |
| 172.5° | 1004.0 | 1005.2 | 1006.4 | 1006.2 | 1004.8 | 1003.3 | 1001.8 | 1000.3 |
| 175° | 1008.4 | 1009.7 | 1011.0 | 1010.9 | 1009.5 | 1007.9 | 1006.4 | 1004.9 |
| 177.5° | 1010.1 | 1011.0 | 1012.0 | 1011.9 | 1010.8 | 1009.8 | 1008.7 | 1007.6 |
| 180° | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 | 1009.5 |

(END OF REPORT)