

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P992583

Luminaire Tested: S123DW-B560DB40-4F0-XX-W2A-A

Issue Date: 5/2/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P992583  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/2/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S123DW-B560DB40-4F0-XX-W2A-A  
Description: Define 3 Direct Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}  
Light Source: -  
Ballast/Driver: -

**Summary**

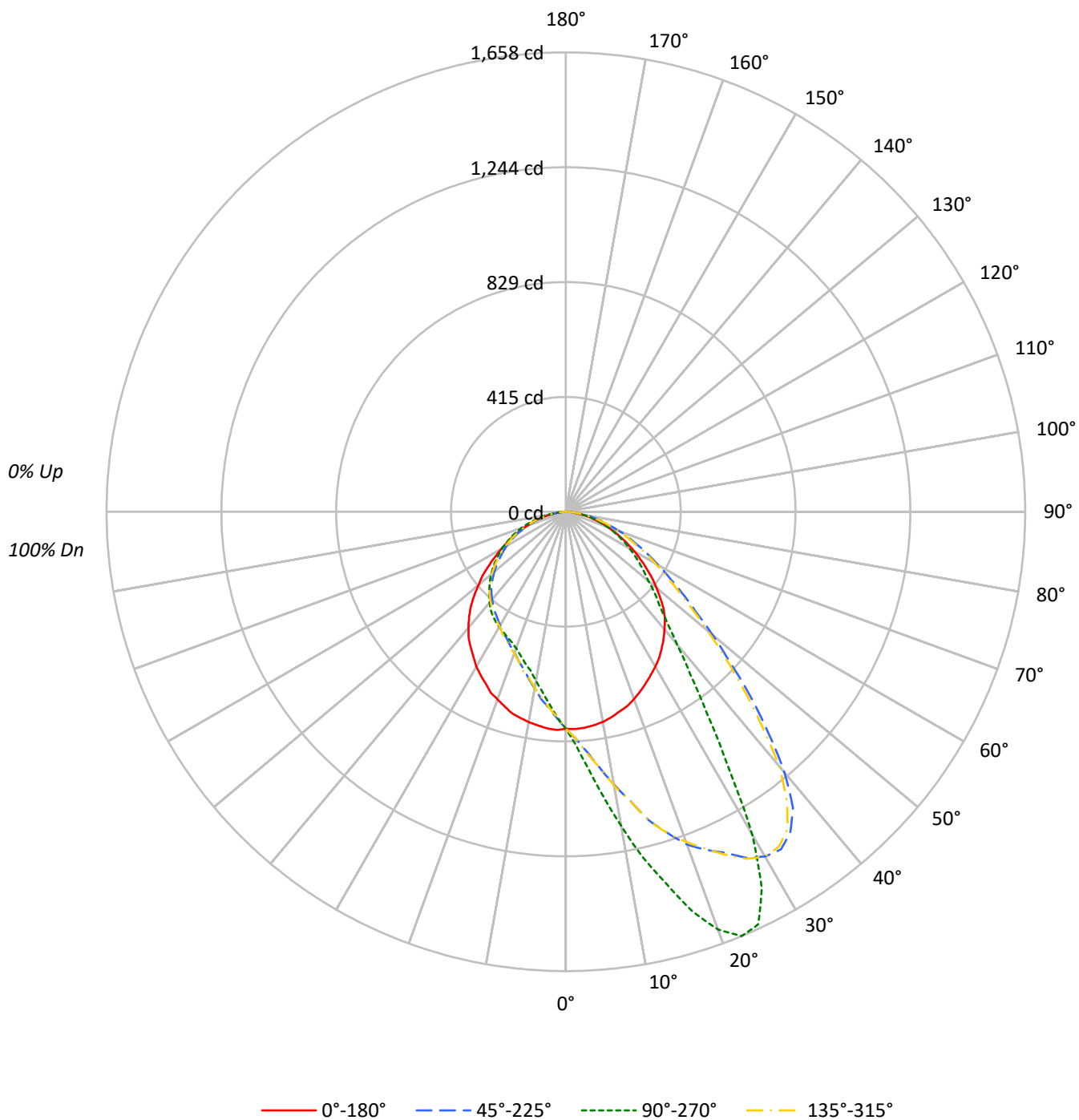
Lumens per Lamp: N/A  
Luminaire Lumens: 2363.0 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 24  
Input Voltage (V):  
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: 24 FT

TEST NUMBER: P992583

CATALOG NUMBER: S123DW-B560DB40-4F0-XX-W2A-A

### Luminous Intensity Polar Plot



TEST NUMBER: P992583

CATALOG NUMBER: S123DW-B560DB40-4F0-XX-W2A-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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 110 | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 99  | 96  | 93  |  | 95  | 92  | 90  |  | 91  | 89  | 87  | 85  |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  |  | 84  | 80  | 76  |  | 81  | 78  | 74  | 72  |
| 3   | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  |  | 75  | 69  | 65  |  | 72  | 68  | 64  | 62  |
| 4   | 84  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 62  | 57  |  | 67  | 61  | 56  |  | 65  | 60  | 56  | 53  |
| 5   | 78  | 66  | 57  | 51  | 76  | 64  | 56  | 50  | 62  | 55  | 50  |  | 60  | 54  | 49  |  | 59  | 53  | 49  | 47  |
| 6   | 72  | 59  | 51  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 44  |  | 55  | 48  | 43  |  | 53  | 48  | 43  | 41  |
| 7   | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 52  | 44  | 39  |  | 50  | 44  | 39  |  | 49  | 43  | 38  | 36  |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  |  | 46  | 39  | 35  |  | 45  | 39  | 35  | 33  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 43  | 36  | 32  |  | 42  | 36  | 31  |  | 41  | 36  | 31  | 29  |
| 10  | 55  | 42  | 34  | 29  | 53  | 41  | 34  | 29  | 40  | 33  | 29  |  | 39  | 33  | 29  |  | 38  | 33  | 28  | 27  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 8427 | 8427  | 8427 | 8427 |
| 5°  | 8452 | 10050 | 8475 | 7501 |
| 10° | 8416 | 12579 | 8425 | 6774 |
| 15° | 8319 | 15428 | 8387 | 6307 |
| 20° | 8238 | 18379 | 8255 | 6005 |
| 25° | 8109 | 19516 | 8127 | 5938 |
| 30° | 8024 | 16727 | 8024 | 5968 |
| 35° | 7916 | 11633 | 7866 | 6031 |
| 40° | 7782 | 8762  | 7686 | 6013 |
| 45° | 7611 | 7275  | 7391 | 5935 |
| 50° | 7152 | 6517  | 6898 | 5883 |
| 55° | 6649 | 6093  | 6379 | 5808 |
| 60° | 6142 | 5716  | 5815 | 5748 |
| 65° | 5583 | 5372  | 5313 | 5565 |
| 70° | 5013 | 5039  | 4680 | 5300 |
| 75° | 4388 | 4512  | 4101 | 4858 |
| 80° | 3620 | 3949  | 3341 | 4184 |
| 85° | 2816 | 3088  | 2248 | 2816 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 16988 cd/sqm

TEST NUMBER: P992583

CATALOG NUMBER: S123DW-B560DB40-4F0-XX-W2A-A

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 77.0   | 3.3       |
| 10°-20°   | 247.3  | 10.5      |
| 20°-30°   | 416.1  | 17.6      |
| 30°-40°   | 470.3  | 19.9      |
| 40°-50°   | 421.2  | 17.8      |
| 50°-60°   | 340.0  | 14.4      |
| 60°-70°   | 236.9  | 10.0      |
| 70°-80°   | 124.3  | 5.3       |
| 80°-90°   | 29.8   | 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°    | 740.4  | 31.3      |
| 0°-40°    | 1210.7 | 51.2      |
| 0°-60°    | 1971.9 | 83.4      |
| 0°-90°    | 2363.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2363.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 90°  | 180° | 270° | 360° | Flux |
|-----|-----|------|------|------|------|------|
| 0°  | 783 | 783  | 783  | 783  | 783  |      |
| 5°  | 782 | 930  | 784  | 694  | 782  | 74   |
| 15° | 746 | 1384 | 753  | 566  | 746  | 211  |
| 25° | 683 | 1643 | 684  | 500  | 683  | 315  |
| 35° | 602 | 885  | 599  | 459  | 602  | 377  |
| 45° | 500 | 478  | 486  | 390  | 500  | 382  |
| 55° | 354 | 325  | 340  | 310  | 354  | 317  |
| 65° | 219 | 211  | 209  | 218  | 219  | 218  |
| 75° | 106 | 108  | 99   | 117  | 106  | 113  |
| 85° | 23  | 25   | 18   | 23   | 23   | 28   |
| 90° | 0   | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P992583

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°    | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  |
| 2.5°  | 785.2 | 791.3 | 794.3 | 798.9 | 803.4 | 810.2 | 812.5  | 816.3  | 814.8  | 817.8  | 819.3  |
| 5°    | 782.2 | 792.8 | 801.9 | 813.3 | 823.9 | 831.5 | 839.1  | 851.2  | 860.3  | 861.8  | 868.7  |
| 7.5°  | 776.9 | 792.0 | 808.0 | 823.9 | 844.4 | 856.5 | 870.2  | 886.9  | 900.5  | 922.5  | 930.9  |
| 10°   | 770.0 | 791.3 | 814.0 | 836.0 | 864.1 | 883.1 | 899.8  | 927.8  | 955.9  | 978.7  | 999.9  |
| 12.5° | 759.4 | 786.0 | 815.5 | 848.2 | 884.6 | 906.6 | 929.3  | 966.5  | 1009.0 | 1043.9 | 1066.7 |
| 15°   | 746.5 | 779.9 | 817.8 | 852.7 | 892.9 | 933.9 | 958.2  | 999.9  | 1060.6 | 1093.2 | 1151.6 |
| 17.5° | 735.9 | 770.0 | 808.0 | 862.6 | 917.2 | 958.2 | 975.6  | 1052.2 | 1094.0 | 1148.6 | 1214.6 |
| 20°   | 719.2 | 762.4 | 811.0 | 865.6 | 936.2 | 961.2 | 996.9  | 1074.2 | 1125.8 | 1197.2 | 1278.3 |
| 22.5° | 701.8 | 748.0 | 806.4 | 863.3 | 942.2 | 968.8 | 1017.4 | 1078.8 | 1160.7 | 1231.3 | 1320.8 |
| 25°   | 682.8 | 732.9 | 792.0 | 859.6 | 936.9 | 975.6 | 1021.1 | 1097.0 | 1185.8 | 1274.5 | 1357.2 |
| 27.5° | 663.8 | 718.4 | 779.9 | 847.4 | 922.5 | 968.0 | 1013.6 | 1092.5 | 1206.3 | 1302.6 | 1408.1 |
| 30°   | 645.6 | 700.2 | 761.7 | 830.7 | 909.6 | 953.6 | 996.9  | 1095.5 | 1222.2 | 1330.7 | 1436.9 |
| 32.5° | 625.9 | 682.0 | 746.5 | 804.2 | 883.8 | 930.9 | 979.4  | 1095.5 | 1232.0 | 1347.4 | 1444.5 |
| 35°   | 602.4 | 660.0 | 715.4 | 773.1 | 852.0 | 904.3 | 958.9  | 1087.9 | 1241.2 | 1352.7 | 1412.6 |
| 37.5° | 579.6 | 630.4 | 678.2 | 734.4 | 817.1 | 873.2 | 936.2  | 1078.8 | 1236.6 | 1329.9 | 1346.6 |
| 40°   | 553.8 | 604.6 | 643.3 | 695.7 | 782.9 | 848.2 | 911.9  | 1066.7 | 1216.9 | 1276.0 | 1227.5 |
| 42.5° | 528.8 | 569.0 | 602.4 | 653.2 | 748.0 | 811.8 | 880.8  | 1044.7 | 1178.2 | 1190.3 | 1081.1 |
| 45°   | 500.0 | 528.8 | 558.4 | 616.0 | 710.1 | 775.3 | 852.0  | 1012.8 | 1116.0 | 1081.1 | 943.0  |
| 47.5° | 462.8 | 488.6 | 521.2 | 574.3 | 669.9 | 737.4 | 810.2  | 971.8  | 1025.7 | 952.9  | 801.9  |
| 50°   | 427.1 | 449.1 | 479.5 | 531.1 | 627.4 | 693.4 | 770.8  | 907.3  | 933.9  | 819.3  | 691.1  |
| 52.5° | 391.5 | 408.2 | 437.7 | 489.3 | 585.7 | 649.4 | 720.0  | 841.3  | 826.2  | 703.3  | 589.5  |
| 55°   | 354.3 | 368.7 | 396.8 | 447.6 | 537.1 | 597.8 | 665.3  | 760.2  | 720.7  | 603.9  | 512.8  |
| 57.5° | 317.9 | 333.0 | 361.9 | 404.4 | 488.6 | 547.7 | 601.6  | 676.0  | 616.8  | 523.5  | 443.1  |
| 60°   | 285.3 | 298.1 | 320.2 | 361.9 | 438.5 | 486.3 | 535.6  | 586.4  | 537.1  | 446.8  | 385.4  |
| 62.5° | 251.1 | 263.3 | 283.7 | 321.7 | 387.7 | 430.2 | 469.6  | 511.3  | 456.7  | 390.7  | 336.1  |
| 65°   | 219.2 | 229.1 | 248.1 | 283.0 | 336.8 | 371.7 | 403.6  | 432.4  | 388.4  | 327.7  | 286.8  |
| 67.5° | 190.4 | 198.8 | 214.7 | 245.8 | 291.3 | 316.4 | 342.2  | 366.4  | 329.3  | 280.7  | 245.8  |
| 70°   | 159.3 | 166.1 | 180.6 | 203.3 | 239.7 | 265.5 | 284.5  | 302.7  | 269.3  | 230.6  | 207.1  |
| 72.5° | 132.0 | 138.8 | 147.9 | 171.5 | 196.5 | 212.4 | 232.9  | 242.8  | 223.8  | 191.9  | 168.4  |
| 75°   | 105.5 | 110.8 | 119.1 | 134.3 | 157.8 | 168.4 | 181.3  | 188.9  | 171.5  | 150.2  | 135.8  |
| 77.5° | 82.7  | 85.0  | 91.0  | 101.7 | 117.6 | 129.7 | 139.6  | 144.1  | 132.0  | 118.3  | 106.2  |
| 80°   | 58.4  | 61.5  | 66.0  | 75.1  | 87.2  | 91.0  | 97.1   | 102.4  | 94.8   | 82.7   | 75.1   |
| 82.5° | 38.7  | 42.5  | 44.8  | 48.6  | 56.1  | 60.7  | 62.2   | 66.8   | 59.9   | 55.4   | 52.3   |
| 85°   | 22.8  | 24.3  | 25.0  | 27.3  | 31.1  | 33.4  | 35.7   | 36.4   | 34.9   | 34.1   | 31.1   |
| 87.5° | 11.4  | 11.4  | 11.4  | 12.9  | 13.7  | 15.2  | 15.9   | 15.9   | 15.9   | 15.2   | 14.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  |
| 2.5°  | 824.7  | 826.2  | 831.5  | 835.3  | 842.9  | 842.1  | 842.1  | 841.3  | 839.1  | 842.9  | 845.1  |
| 5°    | 882.3  | 895.2  | 896.7  | 913.4  | 914.2  | 921.0  | 925.6  | 921.8  | 930.9  | 930.1  | 923.3  |
| 7.5°  | 953.6  | 971.1  | 979.4  | 995.3  | 1013.6 | 1009.0 | 1026.5 | 1029.5 | 1028.0 | 1035.6 | 1040.9 |
| 10°   | 1031.8 | 1062.1 | 1083.4 | 1112.9 | 1120.5 | 1125.1 | 1136.5 | 1146.3 | 1166.0 | 1150.9 | 1160.7 |
| 12.5° | 1121.3 | 1143.3 | 1171.4 | 1218.4 | 1241.9 | 1257.1 | 1262.4 | 1269.2 | 1282.9 | 1274.5 | 1275.3 |
| 15°   | 1196.4 | 1226.0 | 1273.8 | 1332.2 | 1339.0 | 1358.0 | 1353.4 | 1394.4 | 1414.1 | 1384.5 | 1401.2 |
| 17.5° | 1274.5 | 1314.0 | 1370.9 | 1421.7 | 1450.5 | 1463.4 | 1475.6 | 1515.0 | 1513.5 | 1509.0 | 1512.7 |
| 20°   | 1324.6 | 1389.1 | 1459.6 | 1527.2 | 1535.5 | 1545.4 | 1578.0 | 1594.7 | 1591.6 | 1604.5 | 1612.9 |
| 22.5° | 1395.2 | 1463.4 | 1538.5 | 1583.3 | 1602.3 | 1613.6 | 1639.4 | 1650.1 | 1654.6 | 1657.7 | 1652.3 |
| 25°   | 1454.3 | 1527.2 | 1582.5 | 1622.0 | 1633.4 | 1639.4 | 1647.8 | 1650.8 | 1648.5 | 1643.2 | 1647.8 |
| 27.5° | 1494.5 | 1553.0 | 1590.9 | 1609.1 | 1603.0 | 1593.2 | 1577.2 | 1566.6 | 1543.1 | 1531.7 | 1545.4 |
| 30°   | 1511.2 | 1537.0 | 1548.4 | 1518.1 | 1487.7 | 1463.4 | 1433.1 | 1377.0 | 1332.9 | 1345.8 | 1328.4 |
| 32.5° | 1484.7 | 1468.0 | 1413.4 | 1335.2 | 1311.7 | 1272.3 | 1186.5 | 1120.5 | 1122.8 | 1087.9 | 1102.3 |
| 35°   | 1406.5 | 1330.7 | 1227.5 | 1109.1 | 1078.0 | 1056.8 | 962.7  | 948.3  | 918.0  | 885.3  | 894.4  |
| 37.5° | 1268.5 | 1157.7 | 1032.5 | 945.3  | 899.0  | 852.7  | 799.6  | 767.8  | 749.5  | 735.9  | 746.5  |
| 40°   | 1100.0 | 965.0  | 861.8  | 783.7  | 744.2  | 714.6  | 678.2  | 646.4  | 625.9  | 623.6  | 627.4  |
| 42.5° | 934.7  | 820.9  | 726.0  | 651.7  | 638.8  | 603.9  | 580.4  | 555.3  | 549.3  | 539.4  | 544.7  |
| 45°   | 791.3  | 698.7  | 620.6  | 559.9  | 544.7  | 535.6  | 506.8  | 490.8  | 484.0  | 477.9  | 487.1  |
| 47.5° | 687.3  | 590.2  | 533.3  | 496.9  | 481.7  | 466.6  | 450.6  | 440.0  | 434.7  | 435.5  | 434.7  |
| 50°   | 587.2  | 515.9  | 465.8  | 437.7  | 428.6  | 418.0  | 405.1  | 398.3  | 396.0  | 389.2  | 394.5  |
| 52.5° | 505.3  | 453.7  | 418.8  | 392.2  | 385.4  | 377.8  | 367.2  | 363.4  | 358.1  | 356.6  | 356.6  |
| 55°   | 439.3  | 399.1  | 371.0  | 353.5  | 345.2  | 339.1  | 333.0  | 328.5  | 324.7  | 324.7  | 324.7  |
| 57.5° | 387.7  | 352.8  | 332.3  | 317.1  | 314.1  | 308.0  | 301.2  | 301.2  | 295.9  | 295.1  | 297.4  |
| 60°   | 343.7  | 312.6  | 296.6  | 283.7  | 279.2  | 277.7  | 270.8  | 270.8  | 269.3  | 265.5  | 268.6  |
| 62.5° | 298.9  | 276.1  | 262.5  | 252.6  | 248.1  | 248.1  | 242.8  | 239.0  | 239.0  | 239.7  | 238.2  |
| 65°   | 257.9  | 241.3  | 229.1  | 221.5  | 219.2  | 216.2  | 215.5  | 212.4  | 210.1  | 210.9  | 210.1  |
| 67.5° | 221.5  | 208.6  | 200.3  | 194.2  | 190.4  | 188.9  | 186.6  | 186.6  | 185.1  | 185.9  | 182.1  |
| 70°   | 188.9  | 176.0  | 169.2  | 163.1  | 161.6  | 161.6  | 158.6  | 159.3  | 157.8  | 160.1  | 158.6  |
| 72.5° | 155.5  | 145.7  | 140.4  | 138.1  | 136.6  | 135.8  | 134.3  | 132.8  | 132.0  | 133.5  | 132.8  |
| 75°   | 125.9  | 117.6  | 113.8  | 112.3  | 110.8  | 110.8  | 110.0  | 109.2  | 108.5  | 108.5  | 108.5  |
| 77.5° | 97.9   | 92.6   | 88.0   | 89.5   | 87.2   | 88.0   | 85.7   | 85.7   | 86.5   | 85.7   | 85.7   |
| 80°   | 72.1   | 68.3   | 68.3   | 66.8   | 63.7   | 65.2   | 65.2   | 63.0   | 62.2   | 63.7   | 61.5   |
| 82.5° | 47.8   | 47.0   | 45.5   | 44.8   | 43.2   | 44.0   | 43.2   | 42.5   | 41.7   | 43.2   | 41.7   |
| 85°   | 28.1   | 28.1   | 27.3   | 25.8   | 27.3   | 26.6   | 25.8   | 25.8   | 25.0   | 25.0   | 25.0   |
| 87.5° | 14.4   | 12.9   | 12.9   | 12.1   | 12.9   | 11.4   | 12.1   | 11.4   | 10.6   | 11.4   | 10.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  | 782.9  |
| 2.5°  | 839.1  | 841.3  | 835.3  | 833.8  | 833.8  | 836.8  | 834.5  | 814.0  | 817.8  | 813.3  | 811.8  |
| 5°    | 931.6  | 927.1  | 921.0  | 918.0  | 914.2  | 903.6  | 902.8  | 879.3  | 874.7  | 859.6  | 852.7  |
| 7.5°  | 1033.3 | 1029.5 | 1011.3 | 1009.0 | 1007.5 | 997.6  | 972.6  | 947.6  | 929.3  | 911.9  | 895.2  |
| 10°   | 1149.4 | 1138.0 | 1129.6 | 1112.9 | 1104.6 | 1090.9 | 1058.3 | 1034.8 | 1003.7 | 977.1  | 942.2  |
| 12.5° | 1288.9 | 1276.0 | 1248.0 | 1235.8 | 1225.2 | 1187.3 | 1154.7 | 1128.1 | 1067.4 | 1049.2 | 1006.0 |
| 15°   | 1391.4 | 1364.1 | 1361.0 | 1334.5 | 1332.9 | 1291.2 | 1229.0 | 1200.2 | 1153.1 | 1086.4 | 1041.6 |
| 17.5° | 1502.1 | 1477.9 | 1458.9 | 1427.0 | 1422.5 | 1383.0 | 1337.5 | 1266.9 | 1215.4 | 1151.6 | 1094.7 |
| 20°   | 1583.3 | 1570.4 | 1537.8 | 1524.9 | 1498.3 | 1465.0 | 1417.9 | 1330.7 | 1267.7 | 1204.0 | 1134.2 |
| 22.5° | 1647.8 | 1634.9 | 1609.1 | 1591.6 | 1576.5 | 1533.2 | 1477.1 | 1402.7 | 1316.3 | 1232.8 | 1160.7 |
| 25°   | 1647.0 | 1643.2 | 1632.6 | 1624.3 | 1612.9 | 1581.0 | 1534.0 | 1462.7 | 1366.3 | 1274.5 | 1174.4 |
| 27.5° | 1553.7 | 1564.3 | 1582.5 | 1591.6 | 1589.4 | 1584.8 | 1558.3 | 1498.3 | 1411.8 | 1302.6 | 1190.3 |
| 30°   | 1359.5 | 1398.2 | 1432.3 | 1477.9 | 1491.5 | 1524.9 | 1540.1 | 1505.9 | 1436.9 | 1335.2 | 1210.8 |
| 32.5° | 1127.4 | 1183.5 | 1257.8 | 1282.9 | 1326.1 | 1390.6 | 1462.7 | 1475.6 | 1432.3 | 1354.2 | 1223.7 |
| 35°   | 924.8  | 971.1  | 1028.7 | 1068.2 | 1106.9 | 1211.6 | 1302.6 | 1381.5 | 1395.9 | 1344.3 | 1220.7 |
| 37.5° | 765.5  | 798.1  | 848.9  | 882.3  | 918.0  | 1007.5 | 1134.9 | 1237.4 | 1309.4 | 1310.9 | 1212.3 |
| 40°   | 650.2  | 664.6  | 708.6  | 732.9  | 767.0  | 844.4  | 958.2  | 1091.7 | 1197.2 | 1245.7 | 1190.3 |
| 42.5° | 550.8  | 569.7  | 606.2  | 624.4  | 646.4  | 713.9  | 789.0  | 915.7  | 1046.2 | 1150.1 | 1149.4 |
| 45°   | 491.6  | 505.3  | 522.0  | 537.1  | 562.2  | 602.4  | 688.1  | 782.9  | 908.1  | 1025.7 | 1072.0 |
| 47.5° | 439.3  | 452.2  | 468.8  | 473.4  | 490.1  | 528.0  | 580.4  | 663.1  | 779.9  | 896.7  | 984.0  |
| 50°   | 395.3  | 405.9  | 417.3  | 425.6  | 433.2  | 464.3  | 503.7  | 573.5  | 666.9  | 779.9  | 888.4  |
| 52.5° | 361.1  | 368.7  | 378.6  | 383.1  | 389.9  | 412.7  | 443.1  | 494.6  | 571.3  | 674.4  | 779.9  |
| 55°   | 329.3  | 334.6  | 340.6  | 348.2  | 351.3  | 367.9  | 391.5  | 435.5  | 492.4  | 584.9  | 685.1  |
| 57.5° | 299.7  | 301.9  | 305.7  | 310.3  | 314.1  | 328.5  | 349.0  | 378.6  | 428.6  | 500.0  | 594.8  |
| 60°   | 266.3  | 272.4  | 274.6  | 279.2  | 281.5  | 292.8  | 308.8  | 333.8  | 372.5  | 433.9  | 505.3  |
| 62.5° | 238.2  | 242.0  | 245.8  | 248.1  | 253.4  | 257.2  | 270.1  | 292.8  | 324.7  | 370.2  | 434.7  |
| 65°   | 213.2  | 214.7  | 217.0  | 219.2  | 220.8  | 225.3  | 237.5  | 252.6  | 276.9  | 317.1  | 367.2  |
| 67.5° | 184.4  | 185.9  | 188.9  | 189.7  | 191.2  | 197.2  | 204.1  | 217.0  | 237.5  | 267.8  | 308.8  |
| 70°   | 156.3  | 158.6  | 160.1  | 161.6  | 163.9  | 166.1  | 173.7  | 184.4  | 200.3  | 221.5  | 253.4  |
| 72.5° | 132.0  | 134.3  | 134.3  | 135.8  | 135.0  | 138.1  | 145.7  | 153.2  | 163.9  | 181.3  | 209.4  |
| 75°   | 107.7  | 107.7  | 109.2  | 110.0  | 110.8  | 113.8  | 116.8  | 122.9  | 131.2  | 144.9  | 162.4  |
| 77.5° | 85.0   | 84.2   | 85.7   | 85.7   | 85.7   | 88.0   | 91.0   | 94.1   | 99.4   | 109.2  | 122.9  |
| 80°   | 62.2   | 62.2   | 63.7   | 64.5   | 63.0   | 63.7   | 65.2   | 68.3   | 72.1   | 78.9   | 86.5   |
| 82.5° | 41.0   | 44.0   | 43.2   | 44.0   | 43.2   | 44.8   | 45.5   | 46.3   | 47.8   | 50.8   | 56.1   |
| 85°   | 25.0   | 25.0   | 25.0   | 25.8   | 25.0   | 25.8   | 25.8   | 25.8   | 26.6   | 28.1   | 30.3   |
| 87.5° | 10.6   | 10.6   | 10.6   | 11.4   | 10.6   | 10.6   | 11.4   | 10.6   | 11.4   | 11.4   | 12.1   |
| 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: P992583

CATALOG NUMBER: S123DW-B560DB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 782.9  | 782.9  | 782.9  | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 |
| 2.5°  | 804.2  | 801.9  | 801.9  | 800.4 | 795.8 | 787.5 | 786.7 | 788.2 | 783.7 | 779.1 | 772.3 |
| 5°    | 843.6  | 829.2  | 824.7  | 820.1 | 811.0 | 795.8 | 789.8 | 784.4 | 776.1 | 766.2 | 755.6 |
| 7.5°  | 877.0  | 856.5  | 850.4  | 842.1 | 823.9 | 802.7 | 789.0 | 777.6 | 766.2 | 752.6 | 739.7 |
| 10°   | 918.7  | 889.1  | 874.7  | 862.6 | 837.6 | 808.0 | 787.5 | 770.8 | 752.6 | 735.9 | 719.2 |
| 12.5° | 965.8  | 918.0  | 913.4  | 883.8 | 855.0 | 811.0 | 786.0 | 761.7 | 737.4 | 716.9 | 699.5 |
| 15°   | 1005.2 | 952.9  | 933.9  | 914.2 | 858.8 | 804.2 | 779.9 | 752.6 | 724.5 | 702.5 | 676.7 |
| 17.5° | 1030.2 | 987.0  | 946.8  | 920.2 | 862.6 | 814.0 | 767.0 | 735.9 | 706.3 | 676.0 | 654.7 |
| 20°   | 1060.6 | 997.6  | 962.7  | 927.1 | 870.2 | 806.4 | 759.4 | 720.7 | 684.3 | 657.0 | 631.2 |
| 22.5° | 1090.9 | 1006.0 | 977.1  | 938.5 | 871.7 | 798.9 | 745.8 | 707.1 | 665.3 | 638.0 | 610.0 |
| 25°   | 1087.9 | 1018.1 | 970.3  | 937.7 | 856.5 | 792.0 | 729.8 | 684.3 | 645.6 | 610.7 | 582.6 |
| 27.5° | 1090.2 | 1004.5 | 955.9  | 918.0 | 845.9 | 782.2 | 713.1 | 665.3 | 625.1 | 588.7 | 559.1 |
| 30°   | 1090.9 | 984.0  | 941.5  | 896.0 | 826.2 | 758.7 | 694.2 | 645.6 | 603.1 | 563.7 | 537.1 |
| 32.5° | 1088.7 | 967.3  | 914.2  | 873.2 | 795.1 | 735.9 | 672.2 | 620.6 | 577.3 | 540.9 | 515.9 |
| 35°   | 1083.4 | 947.6  | 886.1  | 834.5 | 763.2 | 703.3 | 651.7 | 598.6 | 552.3 | 518.9 | 490.1 |
| 37.5° | 1068.9 | 926.3  | 856.5  | 805.7 | 726.0 | 665.3 | 619.8 | 575.8 | 531.1 | 491.6 | 467.3 |
| 40°   | 1058.3 | 897.5  | 826.9  | 771.5 | 685.8 | 626.6 | 588.7 | 547.0 | 503.0 | 467.3 | 443.8 |
| 42.5° | 1034.0 | 870.2  | 796.6  | 730.6 | 646.4 | 585.7 | 550.0 | 516.6 | 478.7 | 443.8 | 422.6 |
| 45°   | 994.6  | 840.6  | 759.4  | 692.6 | 603.1 | 545.5 | 512.8 | 485.5 | 452.2 | 418.8 | 397.5 |
| 47.5° | 939.2  | 798.1  | 720.0  | 653.2 | 560.6 | 502.2 | 469.6 | 449.1 | 422.6 | 394.5 | 376.3 |
| 50°   | 879.3  | 751.8  | 679.8  | 613.7 | 519.7 | 462.8 | 430.9 | 411.9 | 394.5 | 368.7 | 351.3 |
| 52.5° | 801.1  | 702.5  | 633.5  | 570.5 | 475.7 | 421.1 | 393.0 | 379.3 | 361.1 | 342.9 | 327.7 |
| 55°   | 725.3  | 638.8  | 581.9  | 522.0 | 432.4 | 381.6 | 354.3 | 339.9 | 329.3 | 314.1 | 301.9 |
| 57.5° | 637.3  | 579.6  | 527.3  | 472.6 | 392.2 | 345.9 | 320.2 | 302.7 | 295.9 | 289.0 | 277.7 |
| 60°   | 556.1  | 512.1  | 469.6  | 424.1 | 350.5 | 308.8 | 283.7 | 270.1 | 263.3 | 258.7 | 251.1 |
| 62.5° | 481.7  | 447.6  | 411.2  | 374.8 | 308.0 | 270.1 | 251.1 | 237.5 | 231.4 | 230.6 | 223.8 |
| 65°   | 410.4  | 386.2  | 356.6  | 320.9 | 268.6 | 235.2 | 217.0 | 208.6 | 201.8 | 201.8 | 196.5 |
| 67.5° | 339.1  | 322.4  | 298.9  | 273.9 | 232.9 | 201.8 | 185.1 | 177.5 | 173.7 | 173.7 | 169.9 |
| 70°   | 282.2  | 270.8  | 249.6  | 227.6 | 191.9 | 168.4 | 155.5 | 148.7 | 146.4 | 147.2 | 144.1 |
| 72.5° | 229.1  | 217.0  | 199.5  | 183.6 | 157.0 | 139.6 | 130.5 | 122.9 | 119.1 | 119.9 | 119.1 |
| 75°   | 177.5  | 171.5  | 156.3  | 144.1 | 122.9 | 110.8 | 102.4 | 98.6  | 95.6  | 96.3  | 94.8  |
| 77.5° | 133.5  | 124.4  | 116.1  | 107.7 | 94.8  | 85.0  | 78.1  | 74.3  | 72.1  | 72.1  | 72.1  |
| 80°   | 91.0   | 89.5   | 82.7   | 78.1  | 67.5  | 59.9  | 54.6  | 53.9  | 51.6  | 51.6  | 51.6  |
| 82.5° | 59.2   | 55.4   | 51.6   | 48.6  | 42.5  | 37.9  | 35.7  | 34.1  | 33.4  | 32.6  | 34.1  |
| 85°   | 32.6   | 30.3   | 28.8   | 25.8  | 23.5  | 21.2  | 19.0  | 18.2  | 17.4  | 18.2  | 17.4  |
| 87.5° | 12.9   | 10.6   | 10.6   | 9.9   | 9.1   | 8.3   | 8.3   | 6.8   | 6.8   | 6.1   | 6.1   |
| 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: P992583

CATALOG NUMBER: S123DW-B560DB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 782.9 | 782.9  | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 |
| 2.5°  | 770.8 | 770.0  | 771.5 | 767.0 | 759.4 | 755.6 | 745.0 | 742.7 | 742.0 | 742.7 | 743.5 |
| 5°    | 749.5 | 748.8  | 746.5 | 738.9 | 729.8 | 723.0 | 710.1 | 709.3 | 704.8 | 700.2 | 702.5 |
| 7.5°  | 729.1 | 726.0  | 721.5 | 711.6 | 699.5 | 691.9 | 681.3 | 673.7 | 667.6 | 663.8 | 660.8 |
| 10°   | 708.6 | 704.0  | 699.5 | 686.6 | 671.4 | 660.0 | 647.1 | 641.1 | 634.2 | 631.2 | 628.2 |
| 12.5° | 682.0 | 677.5  | 669.1 | 654.0 | 644.9 | 630.4 | 617.5 | 611.5 | 607.7 | 601.6 | 597.8 |
| 15°   | 660.8 | 651.7  | 647.1 | 631.2 | 612.2 | 610.7 | 587.2 | 585.7 | 578.1 | 578.1 | 572.0 |
| 17.5° | 636.5 | 629.7  | 621.3 | 605.4 | 591.7 | 578.1 | 566.0 | 561.4 | 554.6 | 553.1 | 550.0 |
| 20°   | 613.0 | 603.9  | 600.9 | 584.9 | 570.5 | 553.8 | 540.9 | 536.4 | 533.3 | 530.3 | 532.6 |
| 22.5° | 588.7 | 581.1  | 573.5 | 559.1 | 548.5 | 531.8 | 524.2 | 519.7 | 515.1 | 513.6 | 514.4 |
| 25°   | 565.2 | 558.4  | 550.8 | 536.4 | 525.0 | 511.3 | 504.5 | 502.2 | 500.0 | 500.0 | 499.2 |
| 27.5° | 542.4 | 535.6  | 528.8 | 515.9 | 504.5 | 494.6 | 489.3 | 487.1 | 484.8 | 486.3 | 487.8 |
| 30°   | 518.9 | 512.8  | 506.8 | 495.4 | 486.3 | 477.2 | 474.2 | 472.6 | 471.9 | 475.7 | 475.7 |
| 32.5° | 497.7 | 492.4  | 487.8 | 477.2 | 468.1 | 460.5 | 458.2 | 459.0 | 459.7 | 462.0 | 463.5 |
| 35°   | 475.7 | 471.9  | 467.3 | 458.2 | 450.6 | 443.8 | 444.6 | 444.6 | 446.1 | 449.9 | 452.9 |
| 37.5° | 455.9 | 450.6  | 446.8 | 439.3 | 433.2 | 427.1 | 429.4 | 431.7 | 433.2 | 437.7 | 439.3 |
| 40°   | 432.4 | 430.2  | 427.1 | 419.5 | 414.2 | 413.5 | 414.2 | 415.7 | 418.8 | 421.1 | 423.3 |
| 42.5° | 413.5 | 410.4  | 406.6 | 400.6 | 396.0 | 396.8 | 397.5 | 399.1 | 400.6 | 404.4 | 406.6 |
| 45°   | 392.2 | 389.9  | 386.9 | 381.6 | 377.8 | 378.6 | 379.3 | 379.3 | 380.8 | 385.4 | 386.9 |
| 47.5° | 368.7 | 369.5  | 365.7 | 360.4 | 358.1 | 358.1 | 358.1 | 359.6 | 363.4 | 364.9 | 365.7 |
| 50°   | 345.9 | 344.4  | 343.7 | 338.4 | 336.8 | 336.1 | 336.8 | 337.6 | 342.9 | 342.2 | 344.4 |
| 52.5° | 321.7 | 321.7  | 320.9 | 317.9 | 315.6 | 315.6 | 314.1 | 317.9 | 319.4 | 320.9 | 323.2 |
| 55°   | 298.1 | 295.9  | 295.1 | 293.6 | 290.6 | 289.8 | 291.3 | 295.9 | 297.4 | 298.9 | 301.2 |
| 57.5° | 272.4 | 272.4  | 270.8 | 268.6 | 268.6 | 268.6 | 268.6 | 271.6 | 273.9 | 275.4 | 279.9 |
| 60°   | 248.8 | 245.8  | 243.5 | 243.5 | 243.5 | 242.8 | 247.3 | 247.3 | 251.9 | 252.6 | 254.1 |
| 62.5° | 220.8 | 219.2  | 217.7 | 218.5 | 217.7 | 219.2 | 220.8 | 223.8 | 224.6 | 226.8 | 229.1 |
| 65°   | 194.2 | 194.2  | 192.7 | 197.2 | 194.2 | 194.2 | 198.0 | 198.0 | 199.5 | 201.8 | 204.8 |
| 67.5° | 168.4 | 169.2  | 167.7 | 167.7 | 169.2 | 169.9 | 170.7 | 173.7 | 174.5 | 177.5 | 181.3 |
| 70°   | 141.9 | 143.4  | 144.1 | 142.6 | 144.1 | 145.7 | 147.2 | 147.9 | 151.0 | 152.5 | 154.8 |
| 72.5° | 118.3 | 119.9  | 117.6 | 118.3 | 119.1 | 120.6 | 121.4 | 122.9 | 124.4 | 129.0 | 130.5 |
| 75°   | 94.8  | 94.1   | 93.3  | 96.3  | 94.8  | 97.9  | 98.6  | 98.6  | 100.1 | 103.9 | 105.5 |
| 77.5° | 72.8  | 72.8   | 73.6  | 72.1  | 74.3  | 73.6  | 74.3  | 76.6  | 78.9  | 78.9  | 85.0  |
| 80°   | 50.8  | 52.3   | 52.3  | 52.3  | 53.1  | 53.9  | 52.3  | 56.1  | 56.9  | 56.9  | 59.2  |
| 82.5° | 32.6  | 33.4   | 32.6  | 34.1  | 34.1  | 35.7  | 34.9  | 35.7  | 37.2  | 38.7  | 39.4  |
| 85°   | 17.4  | 17.4   | 19.0  | 19.0  | 18.2  | 19.0  | 18.2  | 19.0  | 20.5  | 20.5  | 21.2  |
| 87.5° | 6.1   | 6.1    | 6.1   | 6.1   | 6.8   | 6.1   | 6.8   | 6.8   | 6.1   | 6.1   | 8.3   |
| 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: P992583

CATALOG NUMBER: S123DW-B560DB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°    | 782.9  | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9  |
| 2.5°  | 742.7  | 743.5 | 740.4 | 738.2 | 744.2 | 740.4 | 740.4 | 741.2 | 739.7 | 742.0 | 741.2  |
| 5°    | 701.0  | 701.8 | 696.4 | 698.0 | 694.9 | 694.2 | 693.4 | 698.0 | 697.2 | 696.4 | 698.0  |
| 7.5°  | 660.0  | 660.0 | 657.7 | 656.2 | 656.2 | 654.0 | 657.0 | 656.2 | 657.7 | 657.7 | 660.0  |
| 10°   | 625.9  | 627.4 | 623.6 | 619.8 | 619.1 | 619.8 | 619.8 | 620.6 | 621.3 | 626.6 | 625.9  |
| 12.5° | 597.8  | 595.5 | 594.8 | 592.5 | 588.7 | 587.2 | 585.7 | 594.0 | 591.7 | 591.7 | 591.7  |
| 15°   | 566.7  | 572.0 | 571.3 | 564.4 | 562.9 | 566.0 | 564.4 | 564.4 | 572.0 | 571.3 | 570.5  |
| 17.5° | 550.0  | 548.5 | 547.0 | 543.2 | 544.0 | 543.2 | 544.0 | 544.0 | 548.5 | 548.5 | 548.5  |
| 20°   | 531.1  | 528.0 | 528.0 | 526.5 | 526.5 | 524.2 | 527.3 | 528.0 | 531.1 | 531.1 | 531.8  |
| 22.5° | 514.4  | 512.1 | 512.1 | 511.3 | 512.8 | 509.8 | 512.8 | 513.6 | 513.6 | 515.9 | 515.9  |
| 25°   | 500.0  | 498.4 | 498.4 | 500.0 | 500.0 | 500.0 | 500.0 | 503.0 | 500.7 | 501.5 | 500.7  |
| 27.5° | 487.1  | 487.8 | 488.6 | 489.3 | 488.6 | 489.3 | 490.1 | 491.6 | 492.4 | 491.6 | 490.1  |
| 30°   | 474.9  | 477.2 | 477.9 | 477.9 | 479.5 | 480.2 | 481.0 | 481.0 | 481.7 | 479.5 | 481.0  |
| 32.5° | 465.8  | 465.8 | 467.3 | 468.1 | 469.6 | 470.4 | 470.4 | 471.9 | 471.1 | 468.8 | 469.6  |
| 35°   | 452.9  | 452.9 | 455.9 | 457.5 | 459.7 | 459.0 | 459.7 | 459.7 | 460.5 | 459.0 | 456.7  |
| 37.5° | 440.0  | 441.5 | 441.5 | 444.6 | 445.3 | 446.1 | 445.3 | 446.8 | 446.1 | 444.6 | 443.8  |
| 40°   | 424.8  | 424.1 | 424.8 | 427.1 | 427.9 | 427.9 | 427.9 | 429.4 | 429.4 | 429.4 | 428.6  |
| 42.5° | 405.9  | 408.2 | 407.4 | 409.7 | 408.9 | 408.9 | 410.4 | 411.9 | 412.7 | 410.4 | 411.2  |
| 45°   | 387.7  | 387.7 | 389.2 | 389.2 | 389.9 | 389.9 | 393.0 | 391.5 | 393.0 | 391.5 | 392.2  |
| 47.5° | 367.9  | 368.7 | 368.7 | 369.5 | 371.0 | 372.5 | 371.0 | 371.7 | 371.7 | 372.5 | 371.0  |
| 50°   | 345.9  | 345.9 | 347.5 | 349.7 | 352.8 | 351.3 | 350.5 | 353.5 | 351.3 | 351.3 | 349.7  |
| 52.5° | 323.2  | 325.5 | 326.2 | 328.5 | 330.8 | 331.5 | 332.3 | 330.8 | 331.5 | 329.3 | 330.0  |
| 55°   | 301.2  | 301.9 | 305.0 | 307.3 | 309.5 | 309.5 | 308.8 | 309.5 | 310.3 | 307.3 | 307.3  |
| 57.5° | 279.2  | 281.5 | 284.5 | 284.5 | 287.5 | 287.5 | 286.8 | 286.8 | 287.5 | 285.3 | 284.5  |
| 60°   | 255.7  | 257.9 | 261.7 | 261.7 | 266.3 | 267.0 | 265.5 | 264.0 | 264.0 | 261.7 | 262.5  |
| 62.5° | 230.6  | 232.9 | 235.2 | 239.0 | 242.0 | 240.5 | 243.5 | 240.5 | 241.3 | 236.7 | 236.7  |
| 65°   | 208.6  | 209.4 | 213.2 | 217.0 | 217.0 | 218.5 | 217.0 | 217.7 | 215.5 | 215.5 | 212.4  |
| 67.5° | 182.8  | 182.8 | 186.6 | 190.4 | 194.2 | 194.2 | 194.2 | 191.9 | 191.9 | 189.7 | 189.7  |
| 70°   | 160.1  | 159.3 | 163.1 | 165.4 | 167.7 | 168.4 | 166.9 | 166.1 | 164.6 | 162.4 | 161.6  |
| 72.5° | 132.0  | 133.5 | 137.3 | 138.8 | 142.6 | 141.9 | 145.7 | 141.1 | 141.1 | 137.3 | 136.6  |
| 75°   | 107.0  | 108.5 | 112.3 | 114.6 | 116.8 | 116.8 | 119.1 | 116.8 | 113.8 | 112.3 | 111.5  |
| 77.5° | 85.0   | 84.2  | 87.2  | 91.0  | 91.8  | 91.0  | 92.6  | 91.8  | 88.8  | 88.8  | 87.2   |
| 80°   | 60.7   | 63.0  | 66.0  | 65.2  | 68.3  | 67.5  | 67.5  | 66.0  | 66.0  | 63.7  | 65.2   |
| 82.5° | 40.2   | 42.5  | 43.2  | 42.5  | 43.2  | 44.8  | 45.5  | 44.8  | 44.8  | 43.2  | 44.0   |
| 85°   | 21.2   | 21.2  | 22.8  | 23.5  | 22.8  | 22.8  | 23.5  | 25.8  | 24.3  | 22.8  | 24.3   |
| 87.5° | 6.8    | 6.1   | 6.1   | 6.8   | 6.1   | 6.1   | 6.8   | 6.8   | 7.6   | 7.6   | 7.6    |
| 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: P992583

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**CANDELA DISTRIBUTION (continued):**

|       | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°    | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9 | 782.9  | 782.9 |
| 2.5°  | 743.5 | 745.0 | 745.8 | 742.7 | 740.4 | 744.2 | 749.5 | 753.3 | 756.4 | 760.2  | 762.4 |
| 5°    | 699.5 | 704.8 | 704.8 | 706.3 | 708.6 | 712.4 | 722.2 | 729.1 | 735.1 | 739.7  | 743.5 |
| 7.5°  | 662.3 | 666.1 | 668.4 | 672.2 | 676.0 | 681.3 | 692.6 | 702.5 | 711.6 | 716.9  | 723.0 |
| 10°   | 628.9 | 632.0 | 635.7 | 638.0 | 644.9 | 652.4 | 666.9 | 675.2 | 685.8 | 694.2  | 701.8 |
| 12.5° | 597.1 | 607.7 | 610.0 | 609.2 | 615.3 | 623.6 | 638.0 | 650.9 | 662.3 | 670.6  | 679.0 |
| 15°   | 574.3 | 578.1 | 582.6 | 581.9 | 594.8 | 597.1 | 609.2 | 624.4 | 639.5 | 644.9  | 652.4 |
| 17.5° | 549.3 | 555.3 | 559.9 | 562.2 | 566.0 | 574.3 | 585.7 | 597.1 | 616.8 | 617.5  | 637.3 |
| 20°   | 529.5 | 535.6 | 538.6 | 541.7 | 544.0 | 553.8 | 563.7 | 576.6 | 592.5 | 600.9  | 611.5 |
| 22.5° | 516.6 | 519.7 | 522.0 | 524.2 | 527.3 | 532.6 | 544.7 | 559.1 | 569.7 | 578.9  | 585.7 |
| 25°   | 501.5 | 504.5 | 507.5 | 509.1 | 511.3 | 514.4 | 523.5 | 534.8 | 550.0 | 556.1  | 562.9 |
| 27.5° | 490.8 | 490.8 | 492.4 | 492.4 | 495.4 | 498.4 | 505.3 | 515.9 | 528.0 | 535.6  | 544.7 |
| 30°   | 479.5 | 478.7 | 479.5 | 478.7 | 477.9 | 482.5 | 488.6 | 497.7 | 506.0 | 515.1  | 521.2 |
| 32.5° | 468.1 | 467.3 | 467.3 | 468.1 | 465.1 | 467.3 | 470.4 | 478.7 | 487.8 | 492.4  | 499.2 |
| 35°   | 455.9 | 454.4 | 454.4 | 454.4 | 452.9 | 451.4 | 454.4 | 462.0 | 468.1 | 474.2  | 479.5 |
| 37.5° | 443.8 | 441.5 | 441.5 | 440.0 | 438.5 | 436.2 | 436.2 | 442.3 | 450.6 | 452.9  | 459.7 |
| 40°   | 427.1 | 427.1 | 425.6 | 424.8 | 423.3 | 421.8 | 419.5 | 424.8 | 432.4 | 434.7  | 440.0 |
| 42.5° | 410.4 | 408.2 | 407.4 | 407.4 | 407.4 | 405.1 | 403.6 | 407.4 | 411.9 | 415.7  | 418.8 |
| 45°   | 391.5 | 389.9 | 390.7 | 389.9 | 388.4 | 387.7 | 386.9 | 388.4 | 393.7 | 395.3  | 399.1 |
| 47.5° | 371.0 | 370.2 | 370.2 | 369.5 | 368.7 | 369.5 | 366.4 | 370.2 | 371.7 | 373.3  | 376.3 |
| 50°   | 349.7 | 349.0 | 348.2 | 347.5 | 347.5 | 348.2 | 347.5 | 347.5 | 350.5 | 352.0  | 355.0 |
| 52.5° | 328.5 | 326.2 | 326.2 | 325.5 | 325.5 | 323.9 | 325.5 | 326.2 | 327.7 | 329.3  | 330.8 |
| 55°   | 305.7 | 305.7 | 303.5 | 303.5 | 301.9 | 301.9 | 302.7 | 301.9 | 305.0 | 306.5  | 306.5 |
| 57.5° | 283.7 | 280.7 | 281.5 | 279.9 | 278.4 | 277.7 | 277.7 | 279.2 | 280.7 | 280.7  | 282.2 |
| 60°   | 260.2 | 257.2 | 256.4 | 253.4 | 254.9 | 252.6 | 253.4 | 253.4 | 256.4 | 254.9  | 256.4 |
| 62.5° | 236.7 | 232.9 | 230.6 | 229.1 | 229.1 | 229.9 | 228.4 | 227.6 | 229.1 | 230.6  | 233.7 |
| 65°   | 211.7 | 209.4 | 207.1 | 204.8 | 204.8 | 204.1 | 205.6 | 203.3 | 202.6 | 203.3  | 204.8 |
| 67.5° | 185.9 | 183.6 | 181.3 | 179.0 | 179.8 | 177.5 | 176.0 | 178.3 | 176.8 | 177.5  | 179.0 |
| 70°   | 160.8 | 159.3 | 154.8 | 153.2 | 152.5 | 153.2 | 152.5 | 151.0 | 153.2 | 152.5  | 153.2 |
| 72.5° | 135.8 | 134.3 | 132.0 | 128.2 | 128.2 | 127.5 | 126.7 | 126.7 | 125.9 | 125.9  | 125.9 |
| 75°   | 111.5 | 108.5 | 106.2 | 105.5 | 103.9 | 103.2 | 102.4 | 100.9 | 101.7 | 102.4  | 100.9 |
| 77.5° | 86.5  | 82.7  | 81.9  | 81.9  | 79.7  | 79.7  | 80.4  | 79.7  | 78.9  | 78.9   | 78.9  |
| 80°   | 63.7  | 60.7  | 60.7  | 59.2  | 57.7  | 57.7  | 57.7  | 57.7  | 56.9  | 56.1   | 56.9  |
| 82.5° | 41.0  | 40.2  | 39.4  | 39.4  | 41.0  | 37.9  | 39.4  | 38.7  | 37.9  | 37.9   | 37.2  |
| 85°   | 22.8  | 23.5  | 22.8  | 23.5  | 22.0  | 22.8  | 22.8  | 22.8  | 22.0  | 22.8   | 21.2  |
| 87.5° | 8.3   | 8.3   | 8.3   | 9.1   | 9.1   | 9.1   | 9.1   | 9.1   | 9.9   | 9.1    | 9.1   |
| 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: P992583

CATALOG NUMBER: S123DW-B560DB40-4F0-XX-W2A-A

**CANDELA DISTRIBUTION (continued):**

|       | 345°  | 350°  | 355°  | 360°  |
|-------|-------|-------|-------|-------|
| 0°    | 782.9 | 782.9 | 782.9 | 782.9 |
| 2.5°  | 766.2 | 768.5 | 776.1 | 785.2 |
| 5°    | 751.1 | 757.1 | 767.8 | 782.2 |
| 7.5°  | 734.4 | 743.5 | 758.7 | 776.9 |
| 10°   | 715.4 | 728.3 | 747.3 | 770.0 |
| 12.5° | 694.9 | 711.6 | 735.9 | 759.4 |
| 15°   | 682.0 | 698.7 | 720.7 | 746.5 |
| 17.5° | 657.0 | 676.7 | 699.5 | 735.9 |
| 20°   | 631.2 | 653.2 | 682.8 | 719.2 |
| 22.5° | 611.5 | 635.0 | 663.1 | 701.8 |
| 25°   | 588.0 | 612.2 | 642.6 | 682.8 |
| 27.5° | 562.9 | 587.2 | 621.3 | 663.8 |
| 30°   | 544.0 | 567.5 | 600.1 | 645.6 |
| 32.5° | 521.2 | 544.0 | 578.1 | 625.9 |
| 35°   | 495.4 | 521.2 | 553.8 | 602.4 |
| 37.5° | 475.7 | 499.2 | 533.3 | 579.6 |
| 40°   | 454.4 | 474.9 | 508.3 | 553.8 |
| 42.5° | 431.7 | 454.4 | 483.3 | 528.8 |
| 45°   | 410.4 | 427.1 | 456.7 | 500.0 |
| 47.5° | 387.7 | 406.6 | 429.4 | 462.8 |
| 50°   | 363.4 | 379.3 | 404.4 | 427.1 |
| 52.5° | 339.9 | 352.8 | 374.0 | 391.5 |
| 55°   | 314.8 | 327.7 | 343.7 | 354.3 |
| 57.5° | 291.3 | 300.4 | 311.0 | 317.9 |
| 60°   | 262.5 | 271.6 | 278.4 | 285.3 |
| 62.5° | 236.7 | 243.5 | 247.3 | 251.1 |
| 65°   | 210.1 | 213.9 | 216.2 | 219.2 |
| 67.5° | 181.3 | 185.1 | 185.9 | 190.4 |
| 70°   | 154.8 | 155.5 | 157.0 | 159.3 |
| 72.5° | 129.7 | 131.2 | 130.5 | 132.0 |
| 75°   | 103.9 | 105.5 | 103.9 | 105.5 |
| 77.5° | 78.9  | 80.4  | 80.4  | 82.7  |
| 80°   | 56.9  | 57.7  | 58.4  | 58.4  |
| 82.5° | 37.2  | 39.4  | 37.9  | 38.7  |
| 85°   | 21.2  | 22.0  | 22.0  | 22.8  |
| 87.5° | 9.9   | 10.6  | 9.9   | 11.4  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)