

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: P331454

Luminaire Tested: **S122DIP-S1005D925U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331454  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DIP-S1005D925U835-4F0-1E-UDD-F1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

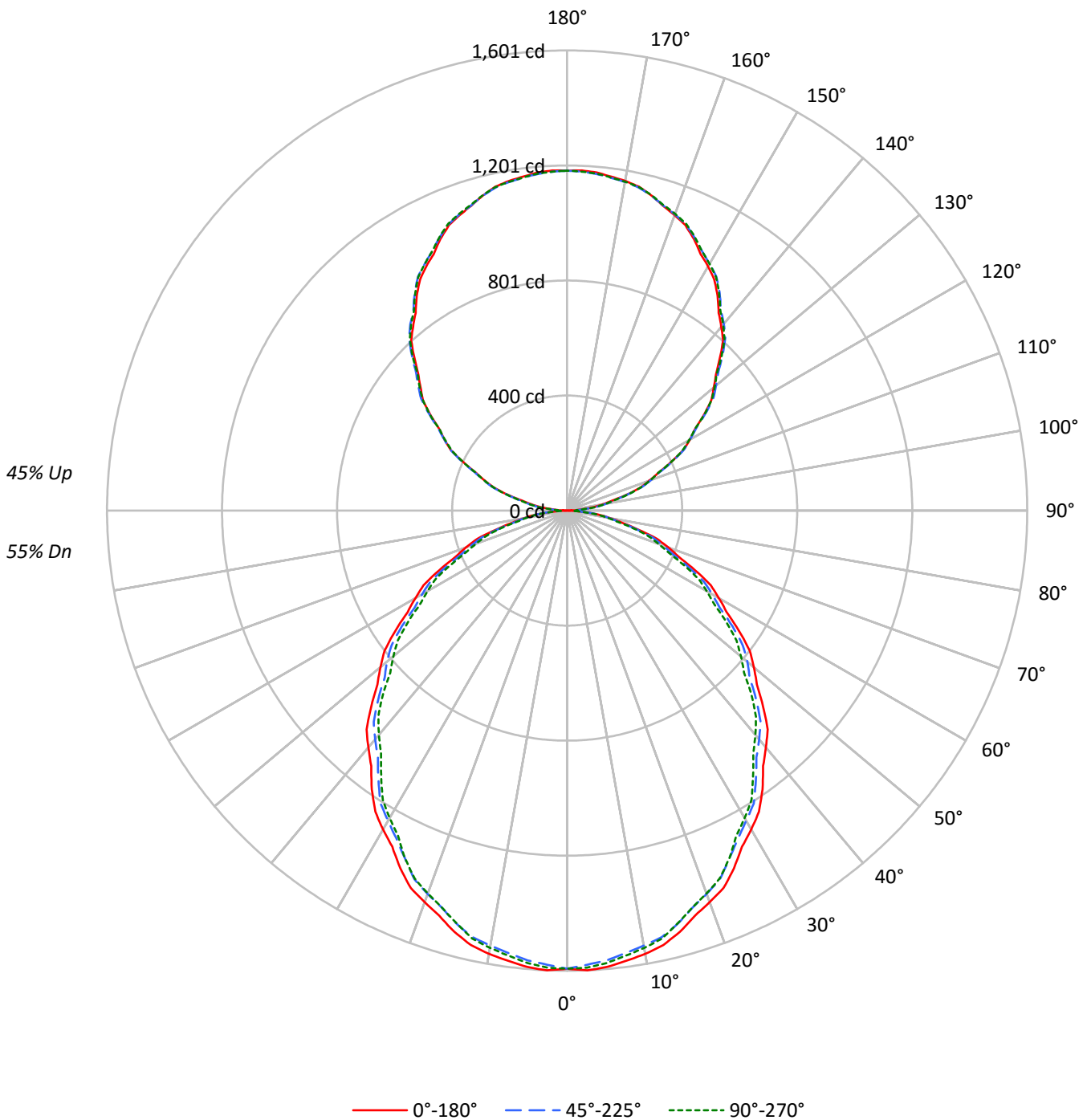
Lumens per Lamp: N/A  
Luminaire Lumens: 7366.4 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.3  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 66.8  
Input Voltage (V): 120  
Input Current (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: P331454

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### Luminous Intensity Polar Plot





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**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   | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1   | 99  | 95  | 91  | 87  | 92  | 88  | 85  | 81  | 76 | 73 | 71 | 64 | 62 | 61 | 54 | 52 | 51 | 46 |
| 2   | 90  | 83  | 76  | 71  | 83  | 77  | 71  | 67  | 66 | 62 | 59 | 56 | 53 | 51 | 47 | 45 | 43 | 39 |
| 3   | 82  | 73  | 65  | 59  | 76  | 68  | 61  | 56  | 58 | 53 | 49 | 50 | 46 | 43 | 42 | 39 | 37 | 33 |
| 4   | 75  | 64  | 56  | 50  | 70  | 60  | 53  | 47  | 52 | 46 | 42 | 44 | 40 | 37 | 37 | 34 | 32 | 28 |
| 5   | 69  | 57  | 49  | 43  | 64  | 54  | 46  | 41  | 47 | 41 | 36 | 40 | 35 | 32 | 34 | 30 | 28 | 25 |
| 6   | 64  | 51  | 43  | 37  | 59  | 48  | 41  | 35  | 42 | 36 | 32 | 36 | 32 | 28 | 31 | 27 | 24 | 22 |
| 7   | 59  | 46  | 38  | 33  | 55  | 44  | 36  | 31  | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 22 | 19 |
| 8   | 55  | 42  | 34  | 29  | 51  | 40  | 33  | 28  | 35 | 29 | 25 | 30 | 25 | 22 | 26 | 22 | 19 | 17 |
| 9   | 51  | 39  | 31  | 26  | 47  | 36  | 29  | 25  | 32 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 18 | 15 |
| 10  | 48  | 35  | 28  | 23  | 44  | 33  | 27  | 22  | 29 | 24 | 20 | 26 | 21 | 18 | 22 | 19 | 16 | 14 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 25733 | 25733 | 25733 |
| 5°  | 25832 | 25459 | 25608 |
| 10° | 25678 | 25201 | 25327 |
| 15° | 25361 | 24874 | 24849 |
| 20° | 24911 | 24383 | 24357 |
| 25° | 24464 | 23779 | 23779 |
| 30° | 23886 | 23228 | 23029 |
| 35° | 23349 | 22565 | 22231 |
| 40° | 22675 | 21901 | 21479 |
| 45° | 22012 | 21240 | 20717 |
| 50° | 21288 | 20557 | 19826 |
| 55° | 20535 | 19758 | 19023 |
| 60° | 19695 | 18807 | 18112 |
| 65° | 18793 | 17857 | 17039 |
| 70° | 17651 | 16711 | 15918 |
| 75° | 16064 | 15390 | 15009 |
| 80° | 14254 | 13826 | 13110 |
| 85° | 11634 | 11078 | 9930  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 149.9  | 2.0       |
| 10°-20°   | 421.7  | 5.7       |
| 20°-30°   | 619.8  | 8.4       |
| 30°-40°   | 720.0  | 9.8       |
| 40°-50°   | 719.2  | 9.8       |
| 50°-60°   | 627.2  | 8.5       |
| 60°-70°   | 463.8  | 6.3       |
| 70°-80°   | 262.7  | 3.6       |
| 80°-90°   | 75.4   | 1.0       |
| 90°-100°  | 74.9   | 1.0       |
| 100°-110° | 232.7  | 3.2       |
| 110°-120° | 397.8  | 5.4       |
| 120°-130° | 523.2  | 7.1       |
| 130°-140° | 587.2  | 8.0       |
| 140°-150° | 575.7  | 7.8       |
| 150°-160° | 482.9  | 6.6       |
| 160°-170° | 320.3  | 4.3       |
| 170°-180° | 111.9  | 1.5       |
| 0°-30°    | 1191.4 | 16.2      |
| 0°-40°    | 1911.4 | 25.9      |
| 0°-60°    | 3257.9 | 44.2      |
| 0°-90°    | 4059.7 | 55.1      |
| 90°-120°  | 705.5  | 9.6       |
| 90°-150°  | 2391.6 | 32.5      |
| 90°-180°  | 3307.0 | 44.9      |
| 0°-180°   | 7366.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1594 | 1594  | 1594 | 1594  | 1594 |      |
| 5°   | 1594 | 1587  | 1571 | 1582  | 1580 | 151  |
| 15°  | 1517 | 1507  | 1488 | 1493  | 1487 | 427  |
| 25°  | 1373 | 1360  | 1335 | 1338  | 1335 | 631  |
| 35°  | 1185 | 1169  | 1145 | 1136  | 1128 | 739  |
| 45°  | 964  | 953   | 930  | 914   | 907  | 744  |
| 55°  | 730  | 720   | 702  | 684   | 676  | 652  |
| 65°  | 492  | 482   | 467  | 454   | 446  | 486  |
| 75°  | 258  | 254   | 247  | 238   | 241  | 275  |
| 85°  | 63   | 61    | 60   | 55    | 54   | 72   |
| 90°  | 1    | 14    | 35   | 33    | 34   | 6    |
| 95°  | 52   | 61    | 64   | 64    | 62   | 60   |
| 105° | 215  | 218   | 220  | 221   | 222  | 227  |
| 115° | 399  | 405   | 403  | 402   | 399  | 395  |
| 125° | 581  | 589   | 587  | 584   | 583  | 519  |
| 135° | 752  | 762   | 764  | 763   | 760  | 580  |
| 145° | 912  | 919   | 925  | 926   | 922  | 570  |
| 155° | 1043 | 1046  | 1049 | 1053  | 1051 | 480  |
| 165° | 1135 | 1134  | 1134 | 1140  | 1136 | 320  |
| 175° | 1181 | 1178  | 1176 | 1182  | 1177 | 112  |
| 180° | 1183 | 1183  | 1183 | 1183  | 1183 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 |
| 2.5°   | 1601.2 | 1599.8 | 1598.5 | 1597.1 | 1595.7 | 1593.6 | 1590.6 | 1587.6 | 1584.6 | 1581.6 | 1584.3 |
| 5°     | 1593.8 | 1592.5 | 1591.1 | 1589.7 | 1588.4 | 1585.8 | 1582.1 | 1578.3 | 1574.6 | 1570.8 | 1573.6 |
| 7.5°   | 1579.7 | 1577.6 | 1575.5 | 1573.4 | 1571.3 | 1568.3 | 1564.5 | 1560.7 | 1556.9 | 1553.1 | 1555.8 |
| 10°    | 1566.2 | 1563.9 | 1561.5 | 1559.1 | 1556.7 | 1553.5 | 1549.4 | 1545.3 | 1541.2 | 1537.1 | 1539.9 |
| 12.5°  | 1547.9 | 1545.7 | 1543.6 | 1541.5 | 1539.4 | 1536.3 | 1532.2 | 1528.1 | 1524.1 | 1520.0 | 1521.9 |
| 15°    | 1517.2 | 1515.2 | 1513.1 | 1511.1 | 1509.0 | 1505.8 | 1501.4 | 1496.9 | 1492.5 | 1488.1 | 1489.5 |
| 17.5°  | 1478.0 | 1475.9 | 1473.9 | 1471.8 | 1469.8 | 1466.5 | 1462.0 | 1457.5 | 1453.0 | 1448.6 | 1450.1 |
| 20°    | 1449.8 | 1447.7 | 1445.7 | 1443.6 | 1441.6 | 1438.2 | 1433.4 | 1428.7 | 1423.9 | 1419.1 | 1420.1 |
| 22.5°  | 1421.6 | 1418.7 | 1415.9 | 1413.0 | 1410.1 | 1406.5 | 1402.0 | 1397.5 | 1393.0 | 1388.5 | 1388.7 |
| 25°    | 1373.2 | 1370.4 | 1367.7 | 1365.0 | 1362.3 | 1358.0 | 1352.2 | 1346.4 | 1340.6 | 1334.8 | 1335.5 |
| 27.5°  | 1318.0 | 1315.5 | 1313.1 | 1310.6 | 1308.2 | 1304.7 | 1300.1 | 1295.5 | 1291.0 | 1286.4 | 1285.4 |
| 30°    | 1281.2 | 1278.5 | 1275.7 | 1273.0 | 1270.3 | 1266.4 | 1261.3 | 1256.2 | 1251.1 | 1245.9 | 1244.9 |
| 32.5°  | 1242.0 | 1239.8 | 1237.6 | 1235.4 | 1233.2 | 1229.5 | 1224.1 | 1218.7 | 1213.3 | 1207.9 | 1206.1 |
| 35°    | 1184.6 | 1181.2 | 1177.8 | 1174.4 | 1171.0 | 1166.6 | 1161.1 | 1155.7 | 1150.3 | 1144.8 | 1142.8 |
| 37.5°  | 1120.0 | 1117.0 | 1114.0 | 1111.0 | 1108.0 | 1103.8 | 1098.3 | 1092.9 | 1087.4 | 1082.0 | 1079.4 |
| 40°    | 1075.8 | 1073.1 | 1070.4 | 1067.7 | 1064.9 | 1060.9 | 1055.4 | 1050.0 | 1044.5 | 1039.1 | 1036.0 |
| 42.5°  | 1032.9 | 1030.2 | 1027.5 | 1024.8 | 1022.0 | 1017.9 | 1012.5 | 1007.0 | 1001.6 | 996.1  | 992.8  |
| 45°    | 964.0  | 961.6  | 959.2  | 956.8  | 954.4  | 950.7  | 945.6  | 940.5  | 935.4  | 930.2  | 926.5  |
| 47.5°  | 895.3  | 893.1  | 890.8  | 888.6  | 886.3  | 882.5  | 877.2  | 871.9  | 866.6  | 861.3  | 857.3  |
| 50°    | 847.5  | 845.8  | 844.1  | 842.4  | 840.7  | 837.4  | 832.7  | 827.9  | 823.1  | 818.4  | 813.6  |
| 52.5°  | 800.9  | 798.7  | 796.4  | 794.2  | 791.9  | 788.5  | 784.0  | 779.5  | 775.1  | 770.6  | 766.6  |
| 55°    | 729.5  | 727.4  | 725.4  | 723.4  | 721.3  | 718.2  | 714.2  | 710.1  | 706.0  | 701.9  | 697.8  |
| 57.5°  | 657.8  | 656.1  | 654.5  | 652.9  | 651.2  | 648.2  | 643.7  | 639.2  | 634.7  | 630.2  | 626.2  |
| 60°    | 609.9  | 608.6  | 607.2  | 605.9  | 604.5  | 601.4  | 596.7  | 591.9  | 587.1  | 582.4  | 578.6  |
| 62.5°  | 563.4  | 561.2  | 559.0  | 556.8  | 554.6  | 551.7  | 548.0  | 544.4  | 540.7  | 537.0  | 533.5  |
| 65°    | 491.9  | 489.9  | 487.9  | 485.8  | 483.8  | 481.0  | 477.6  | 474.2  | 470.8  | 467.4  | 464.4  |
| 67.5°  | 419.3  | 417.7  | 416.0  | 414.4  | 412.8  | 410.4  | 407.3  | 404.3  | 401.2  | 398.2  | 395.8  |
| 70°    | 373.9  | 372.6  | 371.2  | 369.9  | 368.5  | 366.3  | 363.2  | 360.1  | 357.1  | 354.0  | 351.6  |
| 72.5°  | 327.3  | 326.0  | 324.6  | 323.3  | 321.9  | 320.2  | 318.3  | 316.3  | 314.3  | 312.3  | 309.9  |
| 75°    | 257.5  | 256.8  | 256.1  | 255.4  | 254.7  | 253.5  | 251.8  | 250.1  | 248.4  | 246.7  | 244.7  |
| 77.5°  | 194.9  | 193.8  | 192.6  | 191.5  | 190.3  | 189.4  | 188.7  | 188.0  | 187.3  | 186.7  | 185.6  |
| 80°    | 153.3  | 152.9  | 152.6  | 152.2  | 151.9  | 151.4  | 150.7  | 150.0  | 149.3  | 148.7  | 147.6  |
| 82.5°  | 114.0  | 114.0  | 113.9  | 113.8  | 113.7  | 113.5  | 113.1  | 112.7  | 112.3  | 111.9  | 110.6  |
| 85°    | 62.8   | 62.5   | 62.2   | 61.8   | 61.5   | 61.1   | 60.8   | 60.4   | 60.1   | 59.8   | 58.7   |
| 87.5°  | 22.3   | 22.3   | 22.2   | 22.2   | 22.2   | 22.4   | 22.9   | 23.3   | 23.7   | 24.2   | 23.2   |
| 90°    | 1.0    | 3.7    | 6.3    | 9.0    | 11.6   | 15.4   | 20.3   | 25.2   | 30.0   | 34.9   | 34.5   |
| 92.5°  | 17.8   | 19.7   | 21.7   | 23.6   | 25.6   | 27.1   | 28.3   | 29.4   | 30.6   | 31.7   | 31.8   |
| 95°    | 51.9   | 54.1   | 56.3   | 58.5   | 60.8   | 62.1   | 62.5   | 63.0   | 63.4   | 63.9   | 63.9   |
| 97.5°  | 94.8   | 96.8   | 98.7   | 100.7  | 102.6  | 104.0  | 104.9  | 105.7  | 106.5  | 107.4  | 107.4  |
| 100°   | 126.7  | 128.5  | 130.3  | 132.1  | 133.8  | 135.1  | 135.7  | 136.4  | 137.1  | 137.7  | 137.7  |
| 102.5° | 160.3  | 161.7  | 163.1  | 164.5  | 165.9  | 167.1  | 167.9  | 168.8  | 169.6  | 170.5  | 170.6  |
| 105°   | 214.6  | 215.2  | 215.9  | 216.6  | 217.2  | 217.8  | 218.2  | 218.7  | 219.1  | 219.5  | 220.0  |
| 107.5° | 269.2  | 270.2  | 271.2  | 272.2  | 273.2  | 273.6  | 273.6  | 273.6  | 273.6  | 273.6  | 273.8  |
| 110°   | 304.4  | 305.7  | 307.0  | 308.4  | 309.7  | 310.4  | 310.4  | 310.4  | 310.4  | 310.4  | 310.4  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 342.7  | 344.0  | 345.4  | 346.7  | 348.0  | 348.6  | 348.4  | 348.2  | 348.1  | 347.9  | 347.4  |
| 115°   | 399.2  | 400.5  | 401.8  | 403.2  | 404.5  | 404.9  | 404.5  | 404.1  | 403.6  | 403.2  | 403.0  |
| 117.5° | 455.5  | 457.2  | 459.0  | 460.8  | 462.6  | 462.8  | 461.6  | 460.3  | 459.1  | 457.9  | 457.3  |
| 120°   | 493.0  | 494.8  | 496.5  | 498.3  | 500.1  | 500.1  | 498.3  | 496.5  | 494.8  | 493.0  | 493.0  |
| 122.5° | 527.3  | 529.4  | 531.6  | 533.7  | 535.8  | 536.3  | 535.0  | 533.8  | 532.6  | 531.3  | 530.8  |
| 125°   | 580.8  | 582.8  | 584.8  | 586.8  | 588.8  | 589.5  | 588.8  | 588.1  | 587.5  | 586.8  | 586.1  |
| 127.5° | 632.9  | 635.4  | 638.0  | 640.5  | 643.0  | 643.9  | 643.1  | 642.3  | 641.5  | 640.7  | 639.9  |
| 130°   | 665.6  | 668.5  | 671.4  | 674.3  | 677.2  | 678.4  | 677.9  | 677.5  | 677.1  | 676.6  | 676.2  |
| 132.5° | 702.4  | 704.7  | 707.1  | 709.4  | 711.8  | 713.0  | 713.1  | 713.2  | 713.2  | 713.3  | 712.4  |
| 135°   | 751.5  | 753.9  | 756.3  | 758.8  | 761.2  | 762.7  | 763.1  | 763.5  | 764.0  | 764.4  | 764.2  |
| 137.5° | 803.2  | 805.1  | 807.1  | 809.1  | 811.1  | 812.4  | 813.0  | 813.6  | 814.2  | 814.7  | 814.6  |
| 140°   | 834.3  | 836.3  | 838.3  | 840.3  | 842.3  | 843.8  | 844.9  | 846.0  | 847.2  | 848.3  | 848.3  |
| 142.5° | 866.2  | 868.2  | 870.2  | 872.2  | 874.2  | 875.6  | 876.3  | 877.1  | 877.8  | 878.6  | 878.8  |
| 145°   | 912.1  | 913.7  | 915.2  | 916.8  | 918.3  | 919.8  | 921.1  | 922.4  | 923.8  | 925.1  | 925.3  |
| 147.5° | 953.0  | 954.9  | 956.8  | 958.6  | 960.5  | 961.9  | 962.8  | 963.6  | 964.5  | 965.4  | 965.9  |
| 150°   | 981.0  | 982.3  | 983.6  | 985.0  | 986.3  | 987.4  | 988.3  | 989.2  | 990.1  | 991.0  | 991.6  |
| 152.5° | 1005.7 | 1007.1 | 1008.4 | 1009.7 | 1011.1 | 1012.3 | 1013.3 | 1014.4 | 1015.4 | 1016.5 | 1017.4 |
| 155°   | 1042.9 | 1043.5 | 1044.2 | 1044.9 | 1045.5 | 1046.2 | 1046.9 | 1047.5 | 1048.2 | 1048.8 | 1050.0 |
| 157.5° | 1074.6 | 1075.0 | 1075.5 | 1075.9 | 1076.4 | 1076.8 | 1077.2 | 1077.6 | 1078.0 | 1078.4 | 1079.9 |
| 160°   | 1093.8 | 1094.2 | 1094.6 | 1095.1 | 1095.5 | 1095.9 | 1096.1 | 1096.3 | 1096.5 | 1096.7 | 1098.1 |
| 162.5° | 1111.3 | 1111.4 | 1111.5 | 1111.6 | 1111.7 | 1111.8 | 1112.1 | 1112.3 | 1112.5 | 1112.7 | 1114.2 |
| 165°   | 1134.7 | 1134.5 | 1134.2 | 1134.0 | 1133.8 | 1133.7 | 1133.7 | 1133.7 | 1133.7 | 1133.7 | 1135.2 |
| 167.5° | 1154.2 | 1153.6 | 1152.9 | 1152.2 | 1151.6 | 1151.2 | 1151.2 | 1151.1 | 1151.1 | 1151.0 | 1152.6 |
| 170°   | 1164.6 | 1163.9 | 1163.3 | 1162.6 | 1161.9 | 1161.5 | 1161.3 | 1161.1 | 1160.8 | 1160.6 | 1162.2 |
| 172.5° | 1171.8 | 1171.1 | 1170.5 | 1169.8 | 1169.1 | 1168.7 | 1168.5 | 1168.2 | 1168.0 | 1167.8 | 1169.4 |
| 175°   | 1180.6 | 1179.9 | 1179.2 | 1178.6 | 1177.9 | 1177.4 | 1176.9 | 1176.5 | 1176.0 | 1175.6 | 1177.1 |
| 177.5° | 1184.2 | 1183.6 | 1183.1 | 1182.6 | 1182.0 | 1181.6 | 1181.2 | 1180.9 | 1180.5 | 1180.2 | 1181.2 |
| 180°   | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 |



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CATALOG NUMBER: S122DIP-S1005D925U835-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 | 1593.8 |
| 2.5°   | 1587.0 | 1589.7 | 1592.5 | 1593.6 | 1593.0 | 1592.5 | 1591.9 | 1591.4 |
| 5°     | 1576.3 | 1579.0 | 1581.7 | 1582.8 | 1582.1 | 1581.4 | 1580.7 | 1580.0 |
| 7.5°   | 1558.5 | 1561.2 | 1564.0 | 1565.0 | 1564.2 | 1563.5 | 1562.7 | 1562.0 |
| 10°    | 1542.6 | 1545.3 | 1548.0 | 1548.9 | 1547.9 | 1546.8 | 1545.8 | 1544.8 |
| 12.5°  | 1523.8 | 1525.7 | 1527.6 | 1528.2 | 1527.4 | 1526.7 | 1525.9 | 1525.2 |
| 15°    | 1490.8 | 1492.2 | 1493.5 | 1493.4 | 1491.7 | 1490.0 | 1488.3 | 1486.6 |
| 17.5°  | 1451.7 | 1453.3 | 1454.8 | 1454.8 | 1453.1 | 1451.5 | 1449.9 | 1448.2 |
| 20°    | 1421.2 | 1422.2 | 1423.2 | 1423.0 | 1421.7 | 1420.3 | 1419.0 | 1417.6 |
| 22.5°  | 1388.9 | 1389.1 | 1389.3 | 1389.0 | 1388.2 | 1387.4 | 1386.5 | 1385.7 |
| 25°    | 1336.2 | 1336.9 | 1337.6 | 1337.6 | 1336.9 | 1336.2 | 1335.5 | 1334.8 |
| 27.5°  | 1284.4 | 1283.3 | 1282.3 | 1281.0 | 1279.4 | 1277.7 | 1276.1 | 1274.5 |
| 30°    | 1243.9 | 1242.9 | 1241.9 | 1240.7 | 1239.3 | 1237.9 | 1236.6 | 1235.2 |
| 32.5°  | 1204.3 | 1202.4 | 1200.6 | 1199.0 | 1197.6 | 1196.3 | 1194.9 | 1193.5 |
| 35°    | 1140.7 | 1138.7 | 1136.6 | 1134.8 | 1133.1 | 1131.4 | 1129.6 | 1127.9 |
| 37.5°  | 1076.9 | 1074.4 | 1071.9 | 1069.8 | 1068.2 | 1066.5 | 1064.9 | 1063.3 |
| 40°    | 1032.9 | 1029.9 | 1026.8 | 1024.6 | 1023.2 | 1021.9 | 1020.5 | 1019.1 |
| 42.5°  | 989.5  | 986.1  | 982.8  | 980.2  | 978.3  | 976.4  | 974.5  | 972.5  |
| 45°    | 922.8  | 919.0  | 915.3  | 912.7  | 911.3  | 910.0  | 908.6  | 907.3  |
| 47.5°  | 853.4  | 849.4  | 845.5  | 842.5  | 840.5  | 838.6  | 836.6  | 834.6  |
| 50°    | 808.8  | 804.1  | 799.3  | 796.1  | 794.4  | 792.7  | 791.0  | 789.3  |
| 52.5°  | 762.7  | 758.7  | 754.8  | 751.7  | 749.4  | 747.2  | 744.9  | 742.7  |
| 55°    | 693.7  | 689.6  | 685.6  | 682.7  | 681.0  | 679.3  | 677.6  | 675.8  |
| 57.5°  | 622.1  | 618.1  | 614.1  | 611.4  | 610.2  | 608.9  | 607.6  | 606.3  |
| 60°    | 574.9  | 571.1  | 567.4  | 565.0  | 564.0  | 563.0  | 561.9  | 560.9  |
| 62.5°  | 530.1  | 526.6  | 523.1  | 520.7  | 519.4  | 518.1  | 516.8  | 515.5  |
| 65°    | 461.3  | 458.2  | 455.2  | 452.8  | 451.1  | 449.4  | 447.7  | 446.0  |
| 67.5°  | 393.4  | 391.0  | 388.6  | 386.7  | 385.4  | 384.0  | 382.7  | 381.3  |
| 70°    | 349.2  | 346.9  | 344.5  | 342.6  | 341.2  | 339.9  | 338.5  | 337.2  |
| 72.5°  | 307.6  | 305.2  | 302.8  | 301.1  | 300.0  | 298.9  | 297.8  | 296.7  |
| 75°    | 242.7  | 240.6  | 238.6  | 237.9  | 238.6  | 239.2  | 239.9  | 240.6  |
| 77.5°  | 184.6  | 183.6  | 182.6  | 181.6  | 180.6  | 179.7  | 178.7  | 177.8  |
| 80°    | 146.6  | 145.6  | 144.6  | 143.7  | 143.0  | 142.4  | 141.7  | 141.0  |
| 82.5°  | 109.3  | 108.0  | 106.7  | 106.0  | 105.8  | 105.7  | 105.6  | 105.4  |
| 85°    | 57.7   | 56.7   | 55.7   | 55.0   | 54.7   | 54.3   | 54.0   | 53.6   |
| 87.5°  | 22.3   | 21.4   | 20.5   | 20.0   | 19.7   | 19.5   | 19.3   | 19.0   |
| 90°    | 34.0   | 33.6   | 33.2   | 33.0   | 33.3   | 33.5   | 33.7   | 33.9   |
| 92.5°  | 31.9   | 32.0   | 32.1   | 32.2   | 32.2   | 32.2   | 32.3   | 32.3   |
| 95°    | 63.9   | 63.9   | 63.9   | 63.6   | 63.2   | 62.8   | 62.3   | 61.9   |
| 97.5°  | 107.4  | 107.4  | 107.4  | 107.4  | 107.3  | 107.3  | 107.2  | 107.2  |
| 100°   | 137.7  | 137.7  | 137.7  | 137.6  | 137.4  | 137.2  | 136.9  | 136.7  |
| 102.5° | 170.8  | 171.0  | 171.2  | 171.1  | 170.9  | 170.7  | 170.5  | 170.3  |
| 105°   | 220.4  | 220.9  | 221.3  | 221.5  | 221.5  | 221.5  | 221.5  | 221.5  |
| 107.5° | 274.0  | 274.2  | 274.3  | 273.9  | 272.9  | 271.9  | 270.9  | 269.8  |
| 110°   | 310.4  | 310.4  | 310.4  | 310.0  | 309.4  | 308.7  | 308.0  | 307.4  |





TEST NUMBER: P331454

CATALOG NUMBER: S122DIP-S1005D925U835-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 346.8  | 346.3  | 345.8  | 345.2  | 344.8  | 344.3  | 343.8  | 343.3  |
| 115°   | 402.7  | 402.5  | 402.3  | 401.8  | 401.2  | 400.5  | 399.8  | 399.2  |
| 117.5° | 456.8  | 456.3  | 455.7  | 455.1  | 454.5  | 453.8  | 453.1  | 452.5  |
| 120°   | 493.0  | 493.0  | 493.0  | 492.7  | 492.0  | 491.3  | 490.7  | 490.0  |
| 122.5° | 530.2  | 529.7  | 529.2  | 528.7  | 528.2  | 527.7  | 527.2  | 526.7  |
| 125°   | 585.5  | 584.8  | 584.1  | 583.7  | 583.5  | 583.2  | 583.0  | 582.8  |
| 127.5° | 639.1  | 638.3  | 637.5  | 636.7  | 636.0  | 635.3  | 634.6  | 633.9  |
| 130°   | 675.7  | 675.3  | 674.8  | 674.2  | 673.3  | 672.4  | 671.5  | 670.6  |
| 132.5° | 711.4  | 710.4  | 709.4  | 708.6  | 707.9  | 707.2  | 706.5  | 705.8  |
| 135°   | 764.0  | 763.8  | 763.5  | 763.1  | 762.4  | 761.8  | 761.1  | 760.4  |
| 137.5° | 814.4  | 814.2  | 814.0  | 813.5  | 812.6  | 811.7  | 810.8  | 809.9  |
| 140°   | 848.3  | 848.3  | 848.3  | 847.8  | 846.9  | 846.0  | 845.2  | 844.3  |
| 142.5° | 879.0  | 879.1  | 879.3  | 879.0  | 878.1  | 877.2  | 876.3  | 875.4  |
| 145°   | 925.5  | 925.8  | 926.0  | 925.7  | 924.8  | 923.9  | 923.0  | 922.1  |
| 147.5° | 966.4  | 966.9  | 967.4  | 967.2  | 966.4  | 965.5  | 964.7  | 963.8  |
| 150°   | 992.3  | 993.0  | 993.6  | 993.6  | 993.0  | 992.3  | 991.6  | 991.0  |
| 152.5° | 1018.2 | 1019.0 | 1019.9 | 1019.9 | 1019.0 | 1018.2 | 1017.4 | 1016.5 |
| 155°   | 1051.1 | 1052.2 | 1053.3 | 1053.5 | 1052.8 | 1052.2 | 1051.5 | 1050.8 |
| 157.5° | 1081.4 | 1082.9 | 1084.4 | 1084.6 | 1083.6 | 1082.5 | 1081.4 | 1080.4 |
| 160°   | 1099.4 | 1100.7 | 1102.1 | 1102.3 | 1101.4 | 1100.5 | 1099.6 | 1098.7 |
| 162.5° | 1115.7 | 1117.2 | 1118.7 | 1119.0 | 1117.9 | 1116.8 | 1115.8 | 1114.7 |
| 165°   | 1136.8 | 1138.3 | 1139.9 | 1140.1 | 1139.0 | 1137.9 | 1136.8 | 1135.7 |
| 167.5° | 1154.1 | 1155.7 | 1157.2 | 1157.4 | 1156.3 | 1155.1 | 1154.0 | 1152.8 |
| 170°   | 1163.7 | 1165.3 | 1166.8 | 1166.9 | 1165.6 | 1164.3 | 1162.9 | 1161.6 |
| 172.5° | 1170.9 | 1172.5 | 1174.0 | 1174.1 | 1172.8 | 1171.5 | 1170.1 | 1168.8 |
| 175°   | 1178.7 | 1180.2 | 1181.8 | 1181.9 | 1180.6 | 1179.2 | 1177.9 | 1176.6 |
| 177.5° | 1182.3 | 1183.4 | 1184.4 | 1184.4 | 1183.4 | 1182.3 | 1181.2 | 1180.2 |
| 180°   | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 | 1182.6 |

(END OF REPORT)