

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: P333464-930

Luminaire Tested: **S125DIW-S1270D470U930-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333464-930  
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-S1270D470U930-4F0-1E-UDD-F  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 470 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5709.9 lumens  
Efficiency: N/A  
Efficacy: 109.0 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

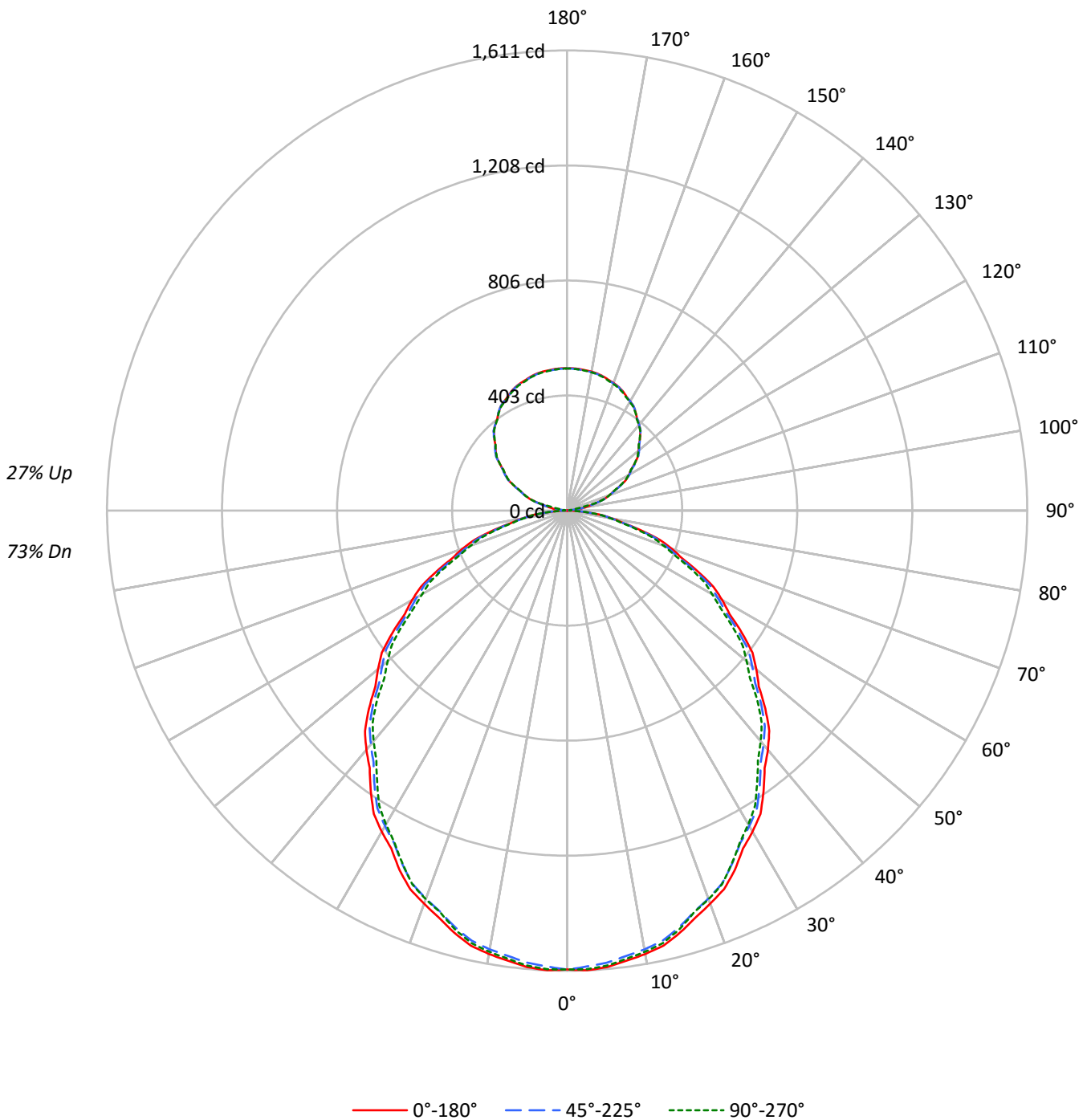
Input Watts (W): 52.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333464-930

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### Luminous Intensity Polar Plot





TEST NUMBER: P333464-930

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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   | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 | 73 |
| 1   | 103 | 98  | 94  | 91  | 98  | 94  | 90  | 87  | 84 | 82 | 79 | 76 | 74 | 72 | 68 | 67 | 65 | 62 |
| 2   | 94  | 86  | 79  | 74  | 89  | 82  | 76  | 71  | 74 | 69 | 65 | 67 | 63 | 60 | 60 | 57 | 55 | 51 |
| 3   | 85  | 76  | 68  | 62  | 81  | 72  | 65  | 59  | 65 | 60 | 55 | 59 | 55 | 51 | 53 | 50 | 47 | 44 |
| 4   | 78  | 67  | 59  | 52  | 74  | 64  | 56  | 51  | 58 | 52 | 47 | 53 | 48 | 44 | 48 | 44 | 40 | 37 |
| 5   | 72  | 60  | 51  | 45  | 68  | 57  | 49  | 44  | 52 | 46 | 41 | 47 | 42 | 38 | 43 | 39 | 35 | 32 |
| 6   | 66  | 54  | 45  | 39  | 63  | 51  | 44  | 38  | 47 | 40 | 36 | 43 | 37 | 33 | 39 | 34 | 31 | 28 |
| 7   | 62  | 49  | 40  | 35  | 58  | 47  | 39  | 34  | 43 | 36 | 31 | 39 | 34 | 29 | 36 | 31 | 28 | 25 |
| 8   | 57  | 44  | 36  | 31  | 54  | 43  | 35  | 30  | 39 | 33 | 28 | 36 | 30 | 26 | 33 | 28 | 25 | 23 |
| 9   | 53  | 41  | 33  | 28  | 51  | 39  | 32  | 27  | 36 | 30 | 25 | 33 | 28 | 24 | 30 | 26 | 22 | 20 |
| 10  | 50  | 37  | 30  | 25  | 47  | 36  | 29  | 24  | 33 | 27 | 23 | 31 | 25 | 22 | 28 | 24 | 20 | 18 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 10377 | 10377 | 10377 |
| 5°  | 10400 | 10301 | 10367 |
| 10° | 10337 | 10228 | 10287 |
| 15° | 10224 | 10105 | 10148 |
| 20° | 10065 | 9933  | 9950  |
| 25° | 9892  | 9728  | 9719  |
| 30° | 9679  | 9508  | 9461  |
| 35° | 9451  | 9270  | 9140  |
| 40° | 9217  | 9012  | 8884  |
| 45° | 8963  | 8777  | 8603  |
| 50° | 8685  | 8493  | 8238  |
| 55° | 8417  | 8173  | 7944  |
| 60° | 8094  | 7848  | 7569  |
| 65° | 7713  | 7459  | 7207  |
| 70° | 7345  | 7009  | 6770  |
| 75° | 6692  | 6470  | 6248  |
| 80° | 5954  | 5861  | 5720  |
| 85° | 5187  | 5276  | 4987  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 151.5  | 2.7       |
| 10°-20°   | 427.9  | 7.5       |
| 20°-30°   | 631.9  | 11.1      |
| 30°-40°   | 737.3  | 12.9      |
| 40°-50°   | 740.5  | 13.0      |
| 50°-60°   | 650.0  | 11.4      |
| 60°-70°   | 484.3  | 8.5       |
| 70°-80°   | 276.9  | 4.9       |
| 80°-90°   | 81.6   | 1.4       |
| 90°-100°  | 18.1   | 0.3       |
| 100°-110° | 111.4  | 2.0       |
| 110°-120° | 202.1  | 3.5       |
| 120°-130° | 259.4  | 4.5       |
| 130°-140° | 279.0  | 4.9       |
| 140°-150° | 261.9  | 4.6       |
| 150°-160° | 211.8  | 3.7       |
| 160°-170° | 137.0  | 2.4       |
| 170°-180° | 47.3   | 0.8       |
| 0°-30°    | 1211.3 | 21.2      |
| 0°-40°    | 1948.6 | 34.1      |
| 0°-60°    | 3339.1 | 58.5      |
| 0°-90°    | 4182.0 | 73.2      |
| 90°-120°  | 331.6  | 5.8       |
| 90°-150°  | 1131.8 | 19.8      |
| 90°-180°  | 1528.0 | 26.8      |
| 0°-180°   | 5709.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1607 | 1607  | 1607 | 1607  | 1607 |      |
| 5°   | 1604 | 1601  | 1589 | 1600  | 1599 | 152  |
| 15°  | 1529 | 1525  | 1511 | 1517  | 1518 | 431  |
| 25°  | 1388 | 1381  | 1365 | 1367  | 1364 | 638  |
| 35°  | 1199 | 1193  | 1176 | 1169  | 1159 | 749  |
| 45°  | 981  | 976   | 961  | 946   | 942  | 756  |
| 55°  | 748  | 743   | 726  | 715   | 706  | 667  |
| 65°  | 505  | 501   | 488  | 477   | 472  | 501  |
| 75°  | 268  | 266   | 259  | 255   | 250  | 286  |
| 85°  | 70   | 71    | 71   | 70    | 67   | 78   |
| 90°  | 0    | 3     | 6    | 8     | 9    | 5    |
| 95°  | 21   | 19    | 6    | 8     | 8    | 27   |
| 105° | 108  | 110   | 110  | 110   | 110  | 115  |
| 115° | 204  | 205   | 206  | 204   | 202  | 202  |
| 125° | 290  | 292   | 292  | 291   | 290  | 259  |
| 135° | 361  | 363   | 363  | 362   | 360  | 278  |
| 145° | 419  | 419   | 419  | 420   | 418  | 262  |
| 155° | 461  | 459   | 460  | 460   | 458  | 212  |
| 165° | 486  | 484   | 485  | 487   | 484  | 137  |
| 175° | 498  | 496   | 496  | 498   | 495  | 47   |
| 180° | 498  | 498   | 498  | 498   | 498  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 |
| 2.5°   | 1610.8 | 1610.1 | 1609.5 | 1608.7 | 1608.1 | 1606.6 | 1604.3 | 1602.1 | 1599.9 | 1597.6 | 1599.9 |
| 5°     | 1604.2 | 1603.6 | 1603.0 | 1602.5 | 1601.9 | 1600.3 | 1597.4 | 1594.6 | 1591.8 | 1588.9 | 1591.5 |
| 7.5°   | 1589.4 | 1588.9 | 1588.3 | 1587.7 | 1587.1 | 1585.3 | 1582.3 | 1579.2 | 1576.1 | 1573.0 | 1575.4 |
| 10°    | 1576.2 | 1575.6 | 1575.1 | 1574.5 | 1573.9 | 1572.1 | 1569.0 | 1565.9 | 1562.8 | 1559.7 | 1562.0 |
| 12.5°  | 1559.9 | 1558.9 | 1558.0 | 1556.9 | 1555.9 | 1554.0 | 1551.0 | 1548.2 | 1545.3 | 1542.4 | 1544.3 |
| 15°    | 1529.2 | 1528.4 | 1527.5 | 1526.6 | 1525.8 | 1523.8 | 1520.7 | 1517.6 | 1514.5 | 1511.4 | 1512.8 |
| 17.5°  | 1493.9 | 1492.6 | 1491.3 | 1490.1 | 1488.9 | 1486.6 | 1483.4 | 1480.2 | 1477.0 | 1473.7 | 1475.5 |
| 20°    | 1464.4 | 1463.8 | 1463.2 | 1462.6 | 1462.1 | 1460.0 | 1456.3 | 1452.6 | 1448.9 | 1445.3 | 1447.2 |
| 22.5°  | 1434.8 | 1433.9 | 1432.8 | 1431.8 | 1430.8 | 1428.6 | 1425.1 | 1421.7 | 1418.2 | 1414.8 | 1416.1 |
| 25°    | 1388.1 | 1386.7 | 1385.3 | 1383.9 | 1382.4 | 1379.9 | 1376.2 | 1372.6 | 1368.9 | 1365.2 | 1365.8 |
| 27.5°  | 1333.4 | 1332.6 | 1331.7 | 1330.9 | 1330.1 | 1327.7 | 1324.0 | 1320.1 | 1316.4 | 1312.6 | 1312.7 |
| 30°    | 1297.9 | 1297.0 | 1296.2 | 1295.3 | 1294.5 | 1291.9 | 1287.7 | 1283.4 | 1279.2 | 1275.0 | 1274.4 |
| 32.5°  | 1259.2 | 1257.9 | 1256.6 | 1255.3 | 1254.0 | 1251.5 | 1247.7 | 1243.9 | 1240.1 | 1236.3 | 1235.3 |
| 35°    | 1198.7 | 1197.6 | 1196.5 | 1195.3 | 1194.2 | 1191.6 | 1187.6 | 1183.7 | 1179.7 | 1175.8 | 1174.4 |
| 37.5°  | 1135.9 | 1134.5 | 1133.1 | 1131.6 | 1130.2 | 1127.6 | 1124.0 | 1120.2 | 1116.5 | 1112.8 | 1110.7 |
| 40°    | 1093.2 | 1091.8 | 1090.4 | 1088.9 | 1087.5 | 1084.8 | 1080.9 | 1076.9 | 1073.0 | 1069.0 | 1066.5 |
| 42.5°  | 1047.4 | 1046.3 | 1045.1 | 1043.8 | 1042.7 | 1040.1 | 1036.2 | 1032.2 | 1028.3 | 1024.3 | 1022.0 |
| 45°    | 981.3  | 980.2  | 979.1  | 978.0  | 976.8  | 974.5  | 971.2  | 967.8  | 964.4  | 961.0  | 957.6  |
| 47.5°  | 910.1  | 910.2  | 910.3  | 910.3  | 910.4  | 908.3  | 904.3  | 900.3  | 896.2  | 892.1  | 888.7  |
| 50°    | 864.4  | 863.6  | 862.7  | 861.9  | 861.0  | 858.8  | 855.5  | 852.1  | 848.7  | 845.3  | 841.6  |
| 52.5°  | 817.6  | 817.0  | 816.4  | 815.7  | 815.1  | 813.0  | 809.3  | 805.8  | 802.2  | 798.5  | 795.3  |
| 55°    | 747.5  | 746.6  | 745.8  | 744.9  | 744.0  | 741.7  | 737.7  | 733.8  | 729.8  | 725.9  | 723.3  |
| 57.5°  | 673.4  | 673.0  | 672.5  | 672.1  | 671.6  | 669.8  | 666.4  | 663.1  | 659.7  | 656.4  | 653.1  |
| 60°    | 626.6  | 625.6  | 624.4  | 623.3  | 622.2  | 620.0  | 616.9  | 613.8  | 610.7  | 607.6  | 604.8  |
| 62.5°  | 577.9  | 577.0  | 576.1  | 575.1  | 574.2  | 572.5  | 569.8  | 567.1  | 564.5  | 561.8  | 558.8  |
| 65°    | 504.7  | 504.1  | 503.5  | 503.0  | 502.4  | 500.5  | 497.4  | 494.3  | 491.2  | 488.1  | 485.6  |
| 67.5°  | 433.7  | 432.5  | 431.4  | 430.2  | 429.0  | 427.2  | 424.9  | 422.6  | 420.3  | 417.9  | 415.8  |
| 70°    | 389.0  | 387.6  | 386.1  | 384.7  | 383.4  | 381.3  | 378.8  | 376.3  | 373.7  | 371.2  | 369.5  |
| 72.5°  | 340.1  | 339.2  | 338.3  | 337.3  | 336.3  | 335.0  | 333.4  | 331.7  | 330.1  | 328.5  | 326.5  |
| 75°    | 268.2  | 267.7  | 267.1  | 266.5  | 266.0  | 265.0  | 263.6  | 262.1  | 260.7  | 259.3  | 258.4  |
| 77.5°  | 201.9  | 201.6  | 201.4  | 201.2  | 201.0  | 200.5  | 199.7  | 198.9  | 198.0  | 197.3  | 196.8  |
| 80°    | 160.1  | 160.1  | 160.1  | 160.1  | 160.1  | 159.9  | 159.3  | 158.7  | 158.2  | 157.6  | 157.4  |
| 82.5°  | 123.5  | 123.1  | 122.6  | 122.2  | 121.7  | 121.5  | 121.3  | 121.2  | 121.2  | 121.0  | 120.5  |
| 85°    | 70.0   | 70.2   | 70.4   | 70.8   | 71.0   | 71.2   | 71.2   | 71.2   | 71.2   | 71.2   | 70.9   |
| 87.5°  | 27.6   | 27.6   | 27.8   | 27.9   | 28.0   | 28.0   | 28.0   | 27.9   | 27.7   | 27.6   | 27.7   |
| 90°    | 0.4    | 1.1    | 1.7    | 2.4    | 3.0    | 3.6    | 4.2    | 4.7    | 5.3    | 5.9    | 6.3    |
| 92.5°  | 5.7    | 5.2    | 4.7    | 4.3    | 3.8    | 3.8    | 4.4    | 4.9    | 5.4    | 5.9    | 6.3    |
| 95°    | 21.0   | 20.8   | 20.5   | 20.3   | 20.1   | 18.3   | 15.2   | 12.1   | 9.0    | 5.9    | 6.3    |
| 97.5°  | 43.9   | 44.4   | 44.8   | 45.2   | 45.7   | 42.8   | 36.6   | 30.5   | 24.3   | 18.2   | 15.8   |
| 100°   | 61.6   | 61.9   | 62.1   | 62.4   | 62.6   | 62.9   | 63.2   | 63.5   | 63.8   | 64.2   | 51.9   |
| 102.5° | 79.6   | 79.9   | 80.2   | 80.6   | 80.9   | 81.1   | 81.3   | 81.4   | 81.7   | 81.9   | 79.6   |
| 105°   | 108.4  | 108.8  | 109.1  | 109.4  | 109.7  | 109.9  | 109.9  | 109.9  | 109.9  | 109.9  | 109.9  |
| 107.5° | 138.4  | 138.4  | 138.4  | 138.4  | 138.4  | 138.4  | 138.6  | 138.8  | 138.9  | 139.1  | 139.2  |
| 110°   | 157.8  | 157.8  | 157.8  | 157.8  | 157.8  | 157.9  | 158.1  | 158.2  | 158.4  | 158.6  | 158.3  |



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CATALOG NUMBER: S125DIW-S1270D470U930-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 176.2 | 176.3 | 176.5 | 176.8 | 176.9 | 177.1 | 177.2 | 177.3 | 177.4 | 177.5 | 177.2 |
| 115°   | 203.6 | 204.0 | 204.4 | 204.8 | 205.2 | 205.5 | 205.5 | 205.6 | 205.7 | 205.8 | 205.5 |
| 117.5° | 232.0 | 232.0 | 232.0 | 232.0 | 232.0 | 232.1 | 232.4 | 232.7 | 233.0 | 233.3 | 232.9 |
| 120°   | 249.7 | 249.6 | 249.6 | 249.5 | 249.4 | 249.5 | 249.7 | 250.0 | 250.2 | 250.5 | 250.3 |
| 122.5° | 265.4 | 265.6 | 266.0 | 266.3 | 266.6 | 266.8 | 266.9 | 267.0 | 267.2 | 267.3 | 267.1 |
| 125°   | 289.5 | 290.1 | 290.7 | 291.2 | 291.8 | 292.1 | 292.1 | 292.1 | 292.1 | 292.1 | 291.8 |
| 127.5° | 312.6 | 313.1 | 313.5 | 313.9 | 314.3 | 314.5 | 314.4 | 314.4 | 314.3 | 314.2 | 314.1 |
| 130°   | 326.8 | 327.2 | 327.6 | 328.0 | 328.4 | 328.6 | 328.7 | 328.8 | 328.9 | 329.0 | 328.7 |
| 132.5° | 341.0 | 341.4 | 341.9 | 342.3 | 342.8 | 343.0 | 342.8 | 342.7 | 342.4 | 342.3 | 342.3 |
| 135°   | 361.1 | 361.6 | 362.1 | 362.6 | 363.1 | 363.2 | 363.1 | 362.9 | 362.7 | 362.6 | 362.4 |
| 137.5° | 379.6 | 380.0 | 380.4 | 380.9 | 381.3 | 381.5 | 381.3 | 381.2 | 381.0 | 380.8 | 380.9 |
| 140°   | 391.7 | 391.8 | 392.0 | 392.2 | 392.3 | 392.4 | 392.3 | 392.2 | 392.2 | 392.1 | 392.2 |
| 142.5° | 402.6 | 402.8 | 402.8 | 402.9 | 403.0 | 403.1 | 403.2 | 403.3 | 403.5 | 403.6 | 403.6 |
| 145°   | 418.7 | 418.8 | 419.0 | 419.1 | 419.3 | 419.4 | 419.4 | 419.4 | 419.4 | 419.4 | 419.5 |
| 147.5° | 432.7 | 432.6 | 432.6 | 432.5 | 432.5 | 432.5 | 432.7 | 432.8 | 432.8 | 432.9 | 433.0 |
| 150°   | 441.5 | 441.3 | 441.2 | 441.0 | 440.8 | 440.8 | 441.0 | 441.2 | 441.3 | 441.5 | 441.6 |
| 152.5° | 450.0 | 449.7 | 449.3 | 449.0 | 448.6 | 448.5 | 448.7 | 448.8 | 449.0 | 449.1 | 449.3 |
| 155°   | 461.1 | 460.6 | 460.1 | 459.6 | 459.1 | 458.9 | 459.1 | 459.3 | 459.4 | 459.6 | 459.8 |
| 157.5° | 469.5 | 469.2 | 469.0 | 468.6 | 468.3 | 468.2 | 468.2 | 468.2 | 468.2 | 468.3 | 468.6 |
| 160°   | 475.4 | 474.9 | 474.4 | 473.9 | 473.4 | 473.3 | 473.4 | 473.4 | 473.5 | 473.6 | 473.9 |
| 162.5° | 480.1 | 479.6 | 479.2 | 478.7 | 478.2 | 478.0 | 478.1 | 478.2 | 478.3 | 478.3 | 478.7 |
| 165°   | 486.5 | 486.0 | 485.5 | 485.0 | 484.5 | 484.3 | 484.4 | 484.5 | 484.5 | 484.6 | 485.1 |
| 167.5° | 491.2 | 490.7 | 490.2 | 489.7 | 489.2 | 488.9 | 489.0 | 489.1 | 489.2 | 489.3 | 489.9 |
| 170°   | 493.9 | 493.3 | 492.7 | 492.1 | 491.5 | 491.3 | 491.4 | 491.5 | 491.5 | 491.6 | 492.3 |
| 172.5° | 495.6 | 495.0 | 494.5 | 493.9 | 493.3 | 493.2 | 493.3 | 493.4 | 493.6 | 493.7 | 494.3 |
| 175°   | 497.6 | 497.1 | 496.6 | 496.1 | 495.6 | 495.4 | 495.5 | 495.5 | 495.6 | 495.7 | 496.4 |
| 177.5° | 498.5 | 498.1 | 497.7 | 497.3 | 496.8 | 496.7 | 496.8 | 496.8 | 496.9 | 497.0 | 497.4 |
| 180°   | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 | 1606.7 |
| 2.5°   | 1602.1 | 1604.3 | 1606.6 | 1607.6 | 1607.4 | 1607.2 | 1607.0 | 1606.7 |
| 5°     | 1594.0 | 1596.6 | 1599.1 | 1600.3 | 1599.9 | 1599.7 | 1599.4 | 1599.1 |
| 7.5°   | 1577.8 | 1580.4 | 1582.8 | 1584.0 | 1583.7 | 1583.4 | 1583.1 | 1582.8 |
| 10°    | 1564.2 | 1566.5 | 1568.7 | 1569.7 | 1569.5 | 1569.1 | 1568.9 | 1568.6 |
| 12.5°  | 1546.1 | 1547.8 | 1549.6 | 1550.5 | 1550.5 | 1550.4 | 1550.4 | 1550.3 |
| 15°    | 1514.3 | 1515.6 | 1517.0 | 1517.8 | 1517.8 | 1517.8 | 1517.8 | 1517.8 |
| 17.5°  | 1477.2 | 1479.0 | 1480.7 | 1480.9 | 1479.5 | 1478.1 | 1476.7 | 1475.3 |
| 20°    | 1449.3 | 1451.2 | 1453.2 | 1453.5 | 1452.0 | 1450.7 | 1449.3 | 1447.8 |
| 22.5°  | 1417.4 | 1418.7 | 1420.0 | 1420.2 | 1419.2 | 1418.2 | 1417.2 | 1416.3 |
| 25°    | 1366.4 | 1366.9 | 1367.5 | 1367.3 | 1366.5 | 1365.6 | 1364.8 | 1363.9 |
| 27.5°  | 1312.8 | 1313.0 | 1313.0 | 1312.6 | 1311.8 | 1311.0 | 1310.1 | 1309.3 |
| 30°    | 1273.8 | 1273.3 | 1272.7 | 1272.0 | 1271.1 | 1270.3 | 1269.4 | 1268.6 |
| 32.5°  | 1234.3 | 1233.3 | 1232.2 | 1230.9 | 1229.5 | 1227.9 | 1226.4 | 1224.9 |
| 35°    | 1173.0 | 1171.6 | 1170.2 | 1168.3 | 1166.0 | 1163.8 | 1161.6 | 1159.3 |
| 37.5°  | 1108.6 | 1106.5 | 1104.4 | 1102.7 | 1101.4 | 1100.1 | 1098.8 | 1097.5 |
| 40°    | 1064.0 | 1061.4 | 1058.8 | 1057.2 | 1056.3 | 1055.5 | 1054.6 | 1053.8 |
| 42.5°  | 1019.7 | 1017.3 | 1015.0 | 1013.3 | 1011.9 | 1010.6 | 1009.3 | 1008.0 |
| 45°    | 954.2  | 950.8  | 947.5  | 945.3  | 944.4  | 943.6  | 942.7  | 941.9  |
| 47.5°  | 885.2  | 881.7  | 878.3  | 875.6  | 873.6  | 871.6  | 869.7  | 867.7  |
| 50°    | 838.0  | 834.3  | 830.6  | 827.8  | 825.8  | 823.9  | 821.9  | 819.9  |
| 52.5°  | 792.1  | 788.9  | 785.6  | 782.9  | 780.7  | 778.5  | 776.3  | 774.1  |
| 55°    | 720.7  | 718.2  | 715.7  | 713.4  | 711.4  | 709.5  | 707.4  | 705.5  |
| 57.5°  | 649.9  | 646.6  | 643.4  | 641.2  | 640.1  | 639.0  | 637.9  | 636.8  |
| 60°    | 601.9  | 599.2  | 596.3  | 593.9  | 591.9  | 590.0  | 588.0  | 586.0  |
| 62.5°  | 555.7  | 552.7  | 549.7  | 547.4  | 545.8  | 544.3  | 542.7  | 541.3  |
| 65°    | 483.1  | 480.5  | 477.9  | 476.1  | 475.0  | 473.9  | 472.7  | 471.6  |
| 67.5°  | 413.7  | 411.5  | 409.4  | 408.0  | 407.2  | 406.6  | 405.9  | 405.2  |
| 70°    | 367.8  | 366.1  | 364.4  | 363.0  | 361.8  | 360.7  | 359.6  | 358.5  |
| 72.5°  | 324.7  | 322.7  | 320.8  | 319.3  | 318.1  | 317.0  | 315.8  | 314.7  |
| 75°    | 257.6  | 256.7  | 255.9  | 254.9  | 253.8  | 252.7  | 251.5  | 250.4  |
| 77.5°  | 196.2  | 195.8  | 195.3  | 194.6  | 193.8  | 193.0  | 192.2  | 191.4  |
| 80°    | 157.0  | 156.8  | 156.5  | 156.0  | 155.5  | 154.9  | 154.3  | 153.8  |
| 82.5°  | 120.0  | 119.5  | 119.0  | 118.7  | 118.5  | 118.5  | 118.3  | 118.2  |
| 85°    | 70.6   | 70.4   | 70.0   | 69.6   | 69.1   | 68.5   | 67.9   | 67.3   |
| 87.5°  | 27.8   | 27.9   | 28.0   | 27.8   | 27.4   | 27.0   | 26.6   | 26.2   |
| 90°    | 6.7    | 7.1    | 7.5    | 7.9    | 8.2    | 8.4    | 8.6    | 8.9    |
| 92.5°  | 6.7    | 7.1    | 7.5    | 7.8    | 7.9    | 8.1    | 8.2    | 8.2    |
| 95°    | 6.7    | 7.1    | 7.5    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    |
| 97.5°  | 13.5   | 11.3   | 8.9    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    |
| 100°   | 39.8   | 27.6   | 15.3   | 9.0    | 8.7    | 8.4    | 8.1    | 7.7    |
| 102.5° | 77.3   | 74.9   | 72.6   | 68.7   | 63.1   | 57.6   | 51.9   | 46.4   |
| 105°   | 109.9  | 109.9  | 109.9  | 109.9  | 109.8  | 109.7  | 109.7  | 109.6  |
| 107.5° | 139.2  | 139.2  | 139.2  | 139.1  | 138.8  | 138.6  | 138.4  | 138.1  |
| 110°   | 158.1  | 157.8  | 157.6  | 157.5  | 157.6  | 157.7  | 157.8  | 157.8  |





TEST NUMBER: P333464-930

CATALOG NUMBER: S125DIW-S1270D470U930-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 176.8 | 176.5 | 176.3 | 176.0 | 175.9 | 175.8 | 175.7 | 175.5 |
| 115°   | 205.1 | 204.8 | 204.5 | 204.1 | 203.6 | 203.1 | 202.6 | 202.1 |
| 117.5° | 232.4 | 232.0 | 231.6 | 231.3 | 231.1 | 230.9 | 230.6 | 230.5 |
| 120°   | 250.1 | 250.0 | 249.8 | 249.5 | 249.1 | 248.7 | 248.3 | 247.9 |
| 122.5° | 266.9 | 266.8 | 266.6 | 266.3 | 265.8 | 265.3 | 264.9 | 264.4 |
| 125°   | 291.5 | 291.1 | 290.8 | 290.5 | 290.2 | 290.0 | 289.8 | 289.5 |
| 127.5° | 313.9 | 313.7 | 313.6 | 313.2 | 312.5 | 311.9 | 311.3 | 310.7 |
| 130°   | 328.5 | 328.2 | 328.0 | 327.7 | 327.3 | 326.9 | 326.4 | 326.0 |
| 132.5° | 342.2 | 342.1 | 342.1 | 341.9 | 341.4 | 341.0 | 340.6 | 340.2 |
| 135°   | 362.2 | 362.1 | 361.9 | 361.6 | 361.1 | 360.6 | 360.1 | 359.6 |
| 137.5° | 380.9 | 381.0 | 381.0 | 380.8 | 380.3 | 379.9 | 379.5 | 379.1 |
| 140°   | 392.4 | 392.6 | 392.7 | 392.6 | 392.1 | 391.6 | 391.1 | 390.6 |
| 142.5° | 403.7 | 403.7 | 403.7 | 403.5 | 403.0 | 402.5 | 402.0 | 401.5 |
| 145°   | 419.6 | 419.6 | 419.7 | 419.5 | 419.0 | 418.5 | 418.0 | 417.5 |
| 147.5° | 433.2 | 433.3 | 433.3 | 433.1 | 432.5 | 431.9 | 431.3 | 430.7 |
| 150°   | 441.8 | 442.0 | 442.1 | 441.9 | 441.2 | 440.6 | 439.9 | 439.3 |
| 152.5° | 449.5 | 449.6 | 449.8 | 449.6 | 449.0 | 448.4 | 447.8 | 447.3 |
| 155°   | 460.1 | 460.3 | 460.6 | 460.3 | 459.7 | 459.0 | 458.4 | 457.7 |
| 157.5° | 468.8 | 469.0 | 469.3 | 469.1 | 468.5 | 467.8 | 467.2 | 466.5 |
| 160°   | 474.3 | 474.6 | 474.9 | 474.7 | 474.1 | 473.4 | 472.8 | 472.1 |
| 162.5° | 479.2 | 479.7 | 480.1 | 480.0 | 479.3 | 478.6 | 477.8 | 477.1 |
| 165°   | 485.7 | 486.2 | 486.7 | 486.6 | 485.9 | 485.2 | 484.5 | 483.9 |
| 167.5° | 490.5 | 491.1 | 491.6 | 491.6 | 490.8 | 490.1 | 489.3 | 488.6 |
| 170°   | 492.9 | 493.7 | 494.3 | 494.2 | 493.5 | 492.8 | 492.0 | 491.3 |
| 172.5° | 494.9 | 495.5 | 496.1 | 496.0 | 495.3 | 494.6 | 493.8 | 493.1 |
| 175°   | 497.0 | 497.7 | 498.3 | 498.3 | 497.6 | 496.8 | 496.1 | 495.4 |
| 177.5° | 497.9 | 498.3 | 498.8 | 498.8 | 498.2 | 497.7 | 497.2 | 496.7 |
| 180°   | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 | 497.6 |

(END OF REPORT)