

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: P333257-940

Luminaire Tested: **S125DIP-S1090D365U940-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333257-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S1090D365U940-4F0-1E-UDD-F1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5090.4 lumens  
Efficiency: N/A  
Efficacy: 117.0 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

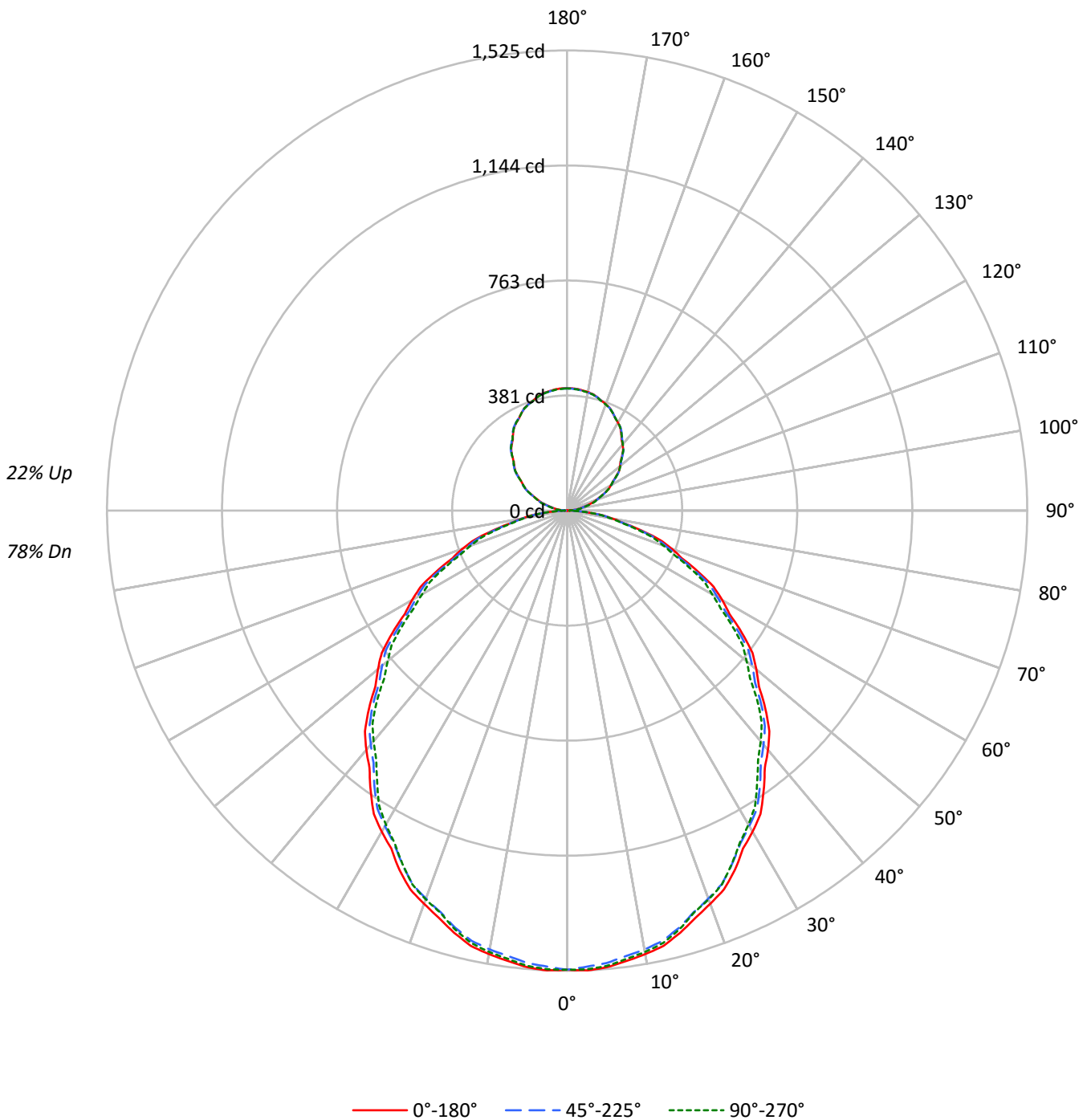
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 90 | 90 | 90 | 82 | 82 | 82 | 78 |
| 1   | 104 | 99  | 95  | 92  | 99  | 95  | 91  | 88  | 87 | 84 | 81 | 79 | 77 | 75 | 72 | 70 | 69 | 65 |
| 2   | 95  | 87  | 80  | 75  | 90  | 83  | 77  | 72  | 76 | 71 | 67 | 69 | 66 | 62 | 63 | 60 | 58 | 55 |
| 3   | 86  | 76  | 69  | 62  | 82  | 73  | 66  | 60  | 67 | 61 | 57 | 61 | 57 | 53 | 56 | 52 | 49 | 46 |
| 4   | 79  | 68  | 59  | 53  | 75  | 65  | 57  | 51  | 60 | 53 | 48 | 55 | 50 | 45 | 50 | 46 | 42 | 40 |
| 5   | 73  | 60  | 52  | 46  | 69  | 58  | 50  | 44  | 53 | 47 | 42 | 49 | 44 | 39 | 45 | 41 | 37 | 34 |
| 6   | 67  | 54  | 46  | 40  | 64  | 52  | 44  | 39  | 48 | 42 | 37 | 45 | 39 | 35 | 41 | 36 | 33 | 30 |
| 7   | 62  | 49  | 41  | 35  | 59  | 47  | 40  | 34  | 44 | 37 | 32 | 41 | 35 | 31 | 38 | 33 | 29 | 27 |
| 8   | 58  | 45  | 37  | 31  | 55  | 43  | 36  | 30  | 40 | 34 | 29 | 37 | 32 | 27 | 35 | 30 | 26 | 24 |
| 9   | 54  | 41  | 33  | 28  | 51  | 40  | 32  | 27  | 37 | 31 | 26 | 34 | 29 | 25 | 32 | 27 | 24 | 22 |
| 10  | 51  | 38  | 30  | 25  | 48  | 37  | 30  | 25  | 34 | 28 | 24 | 32 | 26 | 23 | 30 | 25 | 21 | 20 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 9827 | 9827 | 9827 |
| 5°  | 9849 | 9756 | 9818 |
| 10° | 9789 | 9686 | 9742 |
| 15° | 9682 | 9570 | 9610 |
| 20° | 9531 | 9407 | 9423 |
| 25° | 9368 | 9213 | 9204 |
| 30° | 9165 | 9004 | 8959 |
| 35° | 8949 | 8779 | 8656 |
| 40° | 8728 | 8535 | 8413 |
| 45° | 8488 | 8312 | 8147 |
| 50° | 8225 | 8043 | 7801 |
| 55° | 7970 | 7739 | 7523 |
| 60° | 7665 | 7432 | 7167 |
| 65° | 7303 | 7065 | 6825 |
| 70° | 6956 | 6637 | 6411 |
| 75° | 6338 | 6128 | 5916 |
| 80° | 5642 | 5553 | 5415 |
| 85° | 4905 | 4994 | 4728 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 143.5  | 2.8       |
| 10°-20°   | 405.3  | 8.0       |
| 20°-30°   | 598.4  | 11.8      |
| 30°-40°   | 698.2  | 13.7      |
| 40°-50°   | 701.3  | 13.8      |
| 50°-60°   | 615.6  | 12.1      |
| 60°-70°   | 458.7  | 9.0       |
| 70°-80°   | 262.3  | 5.2       |
| 80°-90°   | 77.2   | 1.5       |
| 90°-100°  | 27.1   | 0.5       |
| 100°-110° | 80.1   | 1.6       |
| 110°-120° | 135.7  | 2.7       |
| 120°-130° | 178.6  | 3.5       |
| 130°-140° | 200.1  | 3.9       |
| 140°-150° | 196.1  | 3.9       |
| 150°-160° | 164.7  | 3.2       |
| 160°-170° | 109.5  | 2.2       |
| 170°-180° | 38.3   | 0.8       |
| 0°-30°    | 1147.1 | 22.5      |
| 0°-40°    | 1845.3 | 36.3      |
| 0°-60°    | 3162.2 | 62.1      |
| 0°-90°    | 3960.3 | 77.8      |
| 90°-120°  | 242.9  | 4.8       |
| 90°-150°  | 817.6  | 16.1      |
| 90°-180°  | 1130.0 | 22.2      |
| 0°-180°   | 5090.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1522 | 1522  | 1522 | 1522  | 1522 |      |
| 5°   | 1519 | 1516  | 1505 | 1515  | 1514 | 144  |
| 15°  | 1448 | 1444  | 1431 | 1437  | 1437 | 408  |
| 25°  | 1315 | 1308  | 1293 | 1295  | 1292 | 605  |
| 35°  | 1135 | 1130  | 1114 | 1107  | 1098 | 710  |
| 45°  | 929  | 924   | 910  | 896   | 892  | 716  |
| 55°  | 708  | 703   | 687  | 677   | 668  | 632  |
| 65°  | 478  | 475   | 462  | 452   | 447  | 474  |
| 75°  | 254  | 251   | 246  | 242   | 237  | 271  |
| 85°  | 66   | 67    | 67   | 66    | 64   | 74   |
| 90°  | 0    | 3     | 5    | 7     | 8    | 5    |
| 95°  | 20   | 21    | 24   | 26    | 27   | 22   |
| 105° | 72   | 74    | 75   | 77    | 78   | 77   |
| 115° | 136  | 137   | 138  | 137   | 137  | 134  |
| 125° | 198  | 200   | 200  | 200   | 200  | 177  |
| 135° | 258  | 260   | 260  | 260   | 259  | 199  |
| 145° | 312  | 314   | 314  | 314   | 314  | 195  |
| 155° | 357  | 357   | 358  | 359   | 357  | 165  |
| 165° | 389  | 388   | 388  | 389   | 388  | 110  |
| 175° | 404  | 403   | 403  | 404   | 402  | 38   |
| 180° | 405  | 405   | 405  | 405   | 405  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 |
| 2.5°   | 1525.4 | 1524.8 | 1524.1 | 1523.5 | 1522.9 | 1521.4 | 1519.3 | 1517.2 | 1515.0 | 1512.9 | 1515.0 |
| 5°     | 1519.2 | 1518.7 | 1518.1 | 1517.6 | 1517.1 | 1515.5 | 1512.8 | 1510.1 | 1507.4 | 1504.8 | 1507.2 |
| 7.5°   | 1505.2 | 1504.7 | 1504.1 | 1503.6 | 1503.1 | 1501.3 | 1498.3 | 1495.4 | 1492.5 | 1489.5 | 1491.9 |
| 10°    | 1492.7 | 1492.2 | 1491.7 | 1491.1 | 1490.6 | 1488.8 | 1485.9 | 1482.9 | 1480.0 | 1477.0 | 1479.2 |
| 12.5°  | 1477.3 | 1476.3 | 1475.3 | 1474.4 | 1473.5 | 1471.6 | 1468.8 | 1466.2 | 1463.4 | 1460.6 | 1462.4 |
| 15°    | 1448.1 | 1447.3 | 1446.5 | 1445.7 | 1444.9 | 1443.1 | 1440.1 | 1437.2 | 1434.2 | 1431.3 | 1432.6 |
| 17.5°  | 1414.7 | 1413.5 | 1412.3 | 1411.1 | 1410.0 | 1407.8 | 1404.8 | 1401.8 | 1398.7 | 1395.6 | 1397.3 |
| 20°    | 1386.8 | 1386.3 | 1385.7 | 1385.2 | 1384.6 | 1382.6 | 1379.1 | 1375.6 | 1372.2 | 1368.7 | 1370.6 |
| 22.5°  | 1358.8 | 1357.9 | 1356.9 | 1355.9 | 1355.0 | 1352.8 | 1349.6 | 1346.3 | 1343.1 | 1339.8 | 1341.0 |
| 25°    | 1314.6 | 1313.2 | 1311.9 | 1310.5 | 1309.2 | 1306.8 | 1303.3 | 1299.8 | 1296.4 | 1292.9 | 1293.4 |
| 27.5°  | 1262.8 | 1261.9 | 1261.1 | 1260.3 | 1259.5 | 1257.4 | 1253.7 | 1250.2 | 1246.6 | 1243.0 | 1243.1 |
| 30°    | 1229.0 | 1228.2 | 1227.4 | 1226.6 | 1225.8 | 1223.4 | 1219.4 | 1215.4 | 1211.4 | 1207.4 | 1206.8 |
| 32.5°  | 1192.5 | 1191.2 | 1190.0 | 1188.7 | 1187.6 | 1185.2 | 1181.5 | 1177.9 | 1174.4 | 1170.8 | 1169.8 |
| 35°    | 1135.1 | 1134.1 | 1133.0 | 1131.9 | 1130.9 | 1128.5 | 1124.7 | 1121.0 | 1117.2 | 1113.5 | 1112.1 |
| 37.5°  | 1075.7 | 1074.3 | 1073.0 | 1071.7 | 1070.3 | 1067.9 | 1064.3 | 1060.9 | 1057.3 | 1053.8 | 1051.8 |
| 40°    | 1035.3 | 1033.9 | 1032.6 | 1031.3 | 1029.9 | 1027.3 | 1023.6 | 1019.8 | 1016.1 | 1012.4 | 1010.0 |
| 42.5°  | 991.9  | 990.8  | 989.7  | 988.6  | 987.4  | 985.0  | 981.2  | 977.5  | 973.7  | 970.0  | 967.8  |
| 45°    | 929.3  | 928.3  | 927.2  | 926.1  | 925.1  | 922.9  | 919.7  | 916.5  | 913.3  | 910.1  | 906.9  |
| 47.5°  | 861.9  | 861.9  | 862.0  | 862.1  | 862.1  | 860.2  | 856.4  | 852.5  | 848.6  | 844.8  | 841.5  |
| 50°    | 818.6  | 817.8  | 817.0  | 816.2  | 815.4  | 813.3  | 810.1  | 806.9  | 803.7  | 800.5  | 797.0  |
| 52.5°  | 774.3  | 773.6  | 773.1  | 772.5  | 772.0  | 769.9  | 766.5  | 763.0  | 759.6  | 756.2  | 753.1  |
| 55°    | 707.8  | 707.0  | 706.2  | 705.4  | 704.6  | 702.3  | 698.6  | 694.8  | 691.1  | 687.3  | 684.9  |
| 57.5°  | 637.8  | 637.3  | 636.9  | 636.5  | 636.1  | 634.3  | 631.1  | 627.9  | 624.8  | 621.6  | 618.5  |
| 60°    | 593.4  | 592.4  | 591.3  | 590.2  | 589.2  | 587.2  | 584.2  | 581.3  | 578.4  | 575.4  | 572.7  |
| 62.5°  | 547.2  | 546.4  | 545.5  | 544.7  | 543.9  | 542.2  | 539.6  | 537.1  | 534.6  | 532.1  | 529.1  |
| 65°    | 477.9  | 477.3  | 476.8  | 476.3  | 475.7  | 474.0  | 471.1  | 468.1  | 465.2  | 462.3  | 459.9  |
| 67.5°  | 410.7  | 409.6  | 408.5  | 407.3  | 406.3  | 404.6  | 402.3  | 400.2  | 398.0  | 395.8  | 393.8  |
| 70°    | 368.4  | 367.0  | 365.7  | 364.4  | 363.0  | 361.1  | 358.7  | 356.3  | 353.9  | 351.5  | 349.9  |
| 72.5°  | 322.2  | 321.2  | 320.3  | 319.4  | 318.5  | 317.3  | 315.8  | 314.1  | 312.6  | 311.0  | 309.2  |
| 75°    | 254.0  | 253.4  | 252.9  | 252.4  | 251.8  | 250.9  | 249.6  | 248.3  | 246.9  | 245.6  | 244.8  |
| 77.5°  | 191.2  | 190.9  | 190.7  | 190.6  | 190.3  | 189.8  | 189.0  | 188.3  | 187.6  | 186.8  | 186.4  |
| 80°    | 151.7  | 151.7  | 151.7  | 151.7  | 151.7  | 151.4  | 150.9  | 150.3  | 149.8  | 149.3  | 149.0  |
| 82.5°  | 117.0  | 116.5  | 116.2  | 115.7  | 115.3  | 115.0  | 114.9  | 114.9  | 114.7  | 114.6  | 114.1  |
| 85°    | 66.2   | 66.4   | 66.7   | 67.0   | 67.2   | 67.4   | 67.4   | 67.4   | 67.4   | 67.4   | 67.1   |
| 87.5°  | 26.0   | 26.2   | 26.3   | 26.4   | 26.5   | 26.5   | 26.4   | 26.3   | 26.1   | 26.0   | 26.1   |
| 90°    | 0.4    | 0.9    | 1.4    | 2.0    | 2.6    | 3.1    | 3.6    | 4.1    | 4.5    | 5.1    | 5.4    |
| 92.5°  | 7.7    | 8.0    | 8.4    | 8.8    | 9.2    | 9.7    | 10.3   | 10.9   | 11.5   | 12.1   | 12.6   |
| 95°    | 20.5   | 20.6   | 20.8   | 20.9   | 21.0   | 21.5   | 22.2   | 22.8   | 23.5   | 24.3   | 24.8   |
| 97.5°  | 34.1   | 34.1   | 34.2   | 34.2   | 34.2   | 34.8   | 35.8   | 36.7   | 37.6   | 38.6   | 39.1   |
| 100°   | 44.1   | 44.1   | 44.1   | 44.1   | 44.1   | 44.6   | 45.5   | 46.4   | 47.3   | 48.2   | 48.9   |
| 102.5° | 54.9   | 55.3   | 55.6   | 55.8   | 56.1   | 56.4   | 56.9   | 57.3   | 57.9   | 58.3   | 59.0   |
| 105°   | 71.9   | 72.2   | 72.6   | 72.9   | 73.3   | 73.7   | 74.1   | 74.5   | 74.9   | 75.3   | 75.7   |
| 107.5° | 90.5   | 90.9   | 91.2   | 91.6   | 91.9   | 92.3   | 92.6   | 92.9   | 93.2   | 93.5   | 93.7   |
| 110°   | 103.3  | 103.7  | 104.1  | 104.4  | 104.8  | 105.0  | 105.2  | 105.5  | 105.7  | 105.9  | 106.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 116.5 | 116.6 | 116.8 | 117.0 | 117.2 | 117.4 | 117.7 | 118.0 | 118.2 | 118.5 | 118.6 |
| 115°   | 135.8 | 136.1 | 136.4 | 136.7 | 137.0 | 137.1 | 137.3 | 137.4 | 137.6 | 137.8 | 137.7 |
| 117.5° | 155.2 | 155.3 | 155.5 | 155.6 | 155.8 | 155.9 | 156.0 | 156.1 | 156.2 | 156.4 | 156.4 |
| 120°   | 167.4 | 167.7 | 168.1 | 168.4 | 168.7 | 169.0 | 169.1 | 169.1 | 169.2 | 169.2 | 169.2 |
| 122.5° | 180.5 | 180.6 | 180.7 | 180.8 | 180.9 | 181.1 | 181.3 | 181.5 | 181.6 | 181.8 | 181.8 |
| 125°   | 198.2 | 198.7 | 199.1 | 199.5 | 199.9 | 200.2 | 200.3 | 200.3 | 200.4 | 200.5 | 200.3 |
| 127.5° | 217.1 | 217.4 | 217.7 | 217.8 | 218.1 | 218.3 | 218.4 | 218.5 | 218.6 | 218.6 | 218.6 |
| 130°   | 228.5 | 228.8 | 229.2 | 229.5 | 229.9 | 230.2 | 230.2 | 230.4 | 230.6 | 230.7 | 230.6 |
| 132.5° | 239.9 | 240.4 | 241.0 | 241.6 | 242.1 | 242.5 | 242.4 | 242.4 | 242.4 | 242.3 | 242.2 |
| 135°   | 257.8 | 258.2 | 258.7 | 259.0 | 259.5 | 259.8 | 259.8 | 259.8 | 259.9 | 260.0 | 260.0 |
| 137.5° | 274.7 | 275.1 | 275.5 | 275.9 | 276.3 | 276.6 | 276.8 | 276.9 | 277.1 | 277.2 | 277.3 |
| 140°   | 285.5 | 285.9 | 286.2 | 286.6 | 287.0 | 287.2 | 287.4 | 287.7 | 287.8 | 288.0 | 288.2 |
| 142.5° | 296.4 | 296.7 | 296.9 | 297.3 | 297.6 | 297.8 | 298.1 | 298.4 | 298.6 | 298.9 | 299.0 |
| 145°   | 312.4 | 312.6 | 312.9 | 313.2 | 313.4 | 313.7 | 313.9 | 314.1 | 314.3 | 314.5 | 314.5 |
| 147.5° | 327.1 | 327.3 | 327.3 | 327.5 | 327.7 | 327.9 | 328.1 | 328.2 | 328.3 | 328.5 | 328.7 |
| 150°   | 336.9 | 336.9 | 336.8 | 336.7 | 336.6 | 336.7 | 337.0 | 337.3 | 337.6 | 337.9 | 337.9 |
| 152.5° | 345.0 | 345.1 | 345.2 | 345.3 | 345.4 | 345.4 | 345.6 | 345.7 | 345.8 | 345.9 | 346.1 |
| 155°   | 357.4 | 357.4 | 357.4 | 357.4 | 357.4 | 357.4 | 357.5 | 357.6 | 357.7 | 357.8 | 358.0 |
| 157.5° | 368.5 | 368.4 | 368.2 | 368.0 | 367.9 | 367.8 | 367.9 | 368.0 | 368.0 | 368.1 | 368.4 |
| 160°   | 375.1 | 374.9 | 374.6 | 374.4 | 374.3 | 374.2 | 374.3 | 374.3 | 374.3 | 374.4 | 374.7 |
| 162.5° | 380.8 | 380.7 | 380.6 | 380.4 | 380.2 | 380.1 | 380.1 | 380.2 | 380.2 | 380.2 | 380.6 |
| 165°   | 388.6 | 388.4 | 388.3 | 388.2 | 388.1 | 388.0 | 388.1 | 388.2 | 388.3 | 388.3 | 388.6 |
| 167.5° | 395.1 | 394.8 | 394.6 | 394.3 | 394.0 | 393.9 | 393.9 | 393.9 | 393.9 | 393.9 | 394.3 |
| 170°   | 398.7 | 398.4 | 398.1 | 397.9 | 397.5 | 397.4 | 397.4 | 397.4 | 397.4 | 397.4 | 397.9 |
| 172.5° | 401.2 | 400.9 | 400.6 | 400.4 | 400.1 | 399.9 | 399.9 | 399.9 | 399.9 | 399.9 | 400.4 |
| 175°   | 404.0 | 403.8 | 403.5 | 403.2 | 403.0 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 403.2 |
| 177.5° | 405.5 | 405.3 | 405.0 | 404.8 | 404.6 | 404.5 | 404.4 | 404.4 | 404.3 | 404.2 | 404.6 |
| 180°   | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 | 1521.6 |
| 2.5°   | 1517.2 | 1519.3 | 1521.4 | 1522.4 | 1522.2 | 1522.0 | 1521.8 | 1521.6 |
| 5°     | 1509.6 | 1512.0 | 1514.4 | 1515.5 | 1515.2 | 1514.9 | 1514.7 | 1514.4 |
| 7.5°   | 1494.2 | 1496.6 | 1499.0 | 1500.0 | 1499.8 | 1499.5 | 1499.2 | 1499.0 |
| 10°    | 1481.3 | 1483.5 | 1485.6 | 1486.6 | 1486.3 | 1486.0 | 1485.8 | 1485.5 |
| 12.5°  | 1464.1 | 1465.8 | 1467.5 | 1468.4 | 1468.3 | 1468.2 | 1468.2 | 1468.1 |
| 15°    | 1434.0 | 1435.3 | 1436.6 | 1437.3 | 1437.3 | 1437.3 | 1437.3 | 1437.3 |
| 17.5°  | 1399.0 | 1400.6 | 1402.3 | 1402.5 | 1401.1 | 1399.8 | 1398.5 | 1397.1 |
| 20°    | 1372.4 | 1374.3 | 1376.2 | 1376.4 | 1375.1 | 1373.8 | 1372.4 | 1371.1 |
| 22.5°  | 1342.3 | 1343.5 | 1344.7 | 1344.9 | 1344.0 | 1343.1 | 1342.2 | 1341.2 |
| 25°    | 1294.0 | 1294.5 | 1295.0 | 1294.9 | 1294.1 | 1293.2 | 1292.4 | 1291.6 |
| 27.5°  | 1243.2 | 1243.3 | 1243.5 | 1243.1 | 1242.3 | 1241.5 | 1240.7 | 1239.9 |
| 30°    | 1206.3 | 1205.8 | 1205.2 | 1204.6 | 1203.8 | 1203.0 | 1202.2 | 1201.4 |
| 32.5°  | 1168.9 | 1167.9 | 1167.0 | 1165.7 | 1164.3 | 1162.9 | 1161.4 | 1159.9 |
| 35°    | 1110.8 | 1109.5 | 1108.1 | 1106.4 | 1104.3 | 1102.2 | 1100.0 | 1097.9 |
| 37.5°  | 1049.8 | 1047.8 | 1045.9 | 1044.3 | 1043.0 | 1041.8 | 1040.5 | 1039.4 |
| 40°    | 1007.5 | 1005.1 | 1002.7 | 1001.1 | 1000.3 | 999.5  | 998.7  | 997.9  |
| 42.5°  | 965.6  | 963.4  | 961.3  | 959.5  | 958.3  | 957.1  | 955.8  | 954.6  |
| 45°    | 903.7  | 900.4  | 897.2  | 895.2  | 894.4  | 893.6  | 892.8  | 892.0  |
| 47.5°  | 838.3  | 835.0  | 831.8  | 829.2  | 827.3  | 825.5  | 823.6  | 821.7  |
| 50°    | 793.5  | 790.1  | 786.6  | 783.9  | 782.0  | 780.2  | 778.3  | 776.4  |
| 52.5°  | 750.1  | 747.1  | 744.0  | 741.5  | 739.3  | 737.3  | 735.2  | 733.1  |
| 55°    | 682.5  | 680.1  | 677.7  | 675.6  | 673.7  | 671.8  | 669.9  | 668.1  |
| 57.5°  | 615.5  | 612.3  | 609.2  | 607.2  | 606.2  | 605.1  | 604.1  | 603.1  |
| 60°    | 570.1  | 567.4  | 564.7  | 562.4  | 560.5  | 558.7  | 556.8  | 554.9  |
| 62.5°  | 526.3  | 523.4  | 520.5  | 518.4  | 516.9  | 515.5  | 514.0  | 512.6  |
| 65°    | 457.4  | 455.0  | 452.6  | 450.8  | 449.8  | 448.7  | 447.6  | 446.6  |
| 67.5°  | 391.7  | 389.7  | 387.6  | 386.3  | 385.7  | 385.0  | 384.4  | 383.8  |
| 70°    | 348.3  | 346.7  | 345.1  | 343.8  | 342.7  | 341.6  | 340.5  | 339.5  |
| 72.5°  | 307.5  | 305.6  | 303.8  | 302.4  | 301.3  | 300.2  | 299.2  | 298.1  |
| 75°    | 244.0  | 243.2  | 242.4  | 241.4  | 240.3  | 239.2  | 238.2  | 237.1  |
| 77.5°  | 185.8  | 185.4  | 184.9  | 184.3  | 183.5  | 182.8  | 182.0  | 181.3  |
| 80°    | 148.7  | 148.5  | 148.2  | 147.8  | 147.2  | 146.7  | 146.2  | 145.6  |
| 82.5°  | 113.6  | 113.2  | 112.7  | 112.4  | 112.3  | 112.2  | 112.1  | 111.9  |
| 85°    | 66.9   | 66.6   | 66.3   | 65.9   | 65.4   | 64.8   | 64.3   | 63.8   |
| 87.5°  | 26.2   | 26.2   | 26.3   | 26.1   | 25.8   | 25.4   | 25.0   | 24.6   |
| 90°    | 5.7    | 6.1    | 6.4    | 6.7    | 7.0    | 7.1    | 7.3    | 7.6    |
| 92.5°  | 13.0   | 13.5   | 13.9   | 14.3   | 14.4   | 14.5   | 14.7   | 14.9   |
| 95°    | 25.2   | 25.8   | 26.2   | 26.6   | 26.7   | 26.8   | 26.9   | 27.1   |
| 97.5°  | 39.6   | 40.0   | 40.5   | 40.8   | 40.8   | 40.9   | 41.0   | 41.1   |
| 100°   | 49.5   | 50.1   | 50.7   | 51.1   | 51.3   | 51.5   | 51.5   | 51.7   |
| 102.5° | 59.7   | 60.4   | 61.1   | 61.5   | 61.7   | 61.9   | 62.1   | 62.2   |
| 105°   | 76.2   | 76.6   | 77.0   | 77.3   | 77.5   | 77.8   | 77.9   | 78.2   |
| 107.5° | 94.0   | 94.2   | 94.3   | 94.5   | 94.4   | 94.4   | 94.4   | 94.4   |
| 110°   | 106.3  | 106.6  | 106.7  | 106.8  | 106.7  | 106.6  | 106.6  | 106.6  |





TEST NUMBER: P333257-940

CATALOG NUMBER: S125DIP-S1090D365U940-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 118.7 | 118.8 | 118.9 | 118.9 | 118.8 | 118.6 | 118.5 | 118.4 |
| 115°   | 137.6 | 137.5 | 137.4 | 137.4 | 137.3 | 137.2 | 137.1 | 137.1 |
| 117.5° | 156.5 | 156.6 | 156.6 | 156.5 | 156.2 | 156.0 | 155.7 | 155.3 |
| 120°   | 169.2 | 169.2 | 169.2 | 169.1 | 168.8 | 168.5 | 168.3 | 168.0 |
| 122.5° | 181.7 | 181.6 | 181.6 | 181.5 | 181.3 | 181.0 | 180.8 | 180.6 |
| 125°   | 200.2 | 200.0 | 199.9 | 199.7 | 199.7 | 199.7 | 199.6 | 199.5 |
| 127.5° | 218.5 | 218.4 | 218.3 | 218.2 | 218.1 | 217.9 | 217.8 | 217.7 |
| 130°   | 230.6 | 230.5 | 230.4 | 230.3 | 230.2 | 230.1 | 229.9 | 229.8 |
| 132.5° | 242.2 | 242.1 | 242.0 | 241.9 | 241.7 | 241.5 | 241.3 | 241.1 |
| 135°   | 260.0 | 260.0 | 260.0 | 259.8 | 259.6 | 259.3 | 259.0 | 258.8 |
| 137.5° | 277.4 | 277.5 | 277.6 | 277.4 | 277.1 | 276.7 | 276.3 | 276.0 |
| 140°   | 288.4 | 288.5 | 288.6 | 288.6 | 288.2 | 287.8 | 287.5 | 287.1 |
| 142.5° | 299.1 | 299.2 | 299.3 | 299.1 | 298.7 | 298.4 | 298.1 | 297.7 |
| 145°   | 314.5 | 314.5 | 314.5 | 314.4 | 314.2 | 314.0 | 313.8 | 313.6 |
| 147.5° | 328.9 | 329.0 | 329.2 | 329.0 | 328.6 | 328.1 | 327.6 | 327.2 |
| 150°   | 337.9 | 337.9 | 337.9 | 337.8 | 337.7 | 337.5 | 337.3 | 337.2 |
| 152.5° | 346.3 | 346.4 | 346.6 | 346.5 | 346.3 | 346.1 | 345.8 | 345.5 |
| 155°   | 358.3 | 358.6 | 358.8 | 358.8 | 358.5 | 358.1 | 357.8 | 357.4 |
| 157.5° | 368.6 | 369.0 | 369.3 | 369.2 | 368.7 | 368.2 | 367.7 | 367.3 |
| 160°   | 375.0 | 375.2 | 375.5 | 375.5 | 375.1 | 374.8 | 374.4 | 374.1 |
| 162.5° | 380.8 | 381.2 | 381.6 | 381.6 | 381.1 | 380.7 | 380.3 | 379.9 |
| 165°   | 388.9 | 389.1 | 389.4 | 389.3 | 388.9 | 388.5 | 388.1 | 387.6 |
| 167.5° | 394.8 | 395.1 | 395.6 | 395.6 | 395.1 | 394.7 | 394.2 | 393.9 |
| 170°   | 398.2 | 398.7 | 399.1 | 399.0 | 398.6 | 398.1 | 397.6 | 397.1 |
| 172.5° | 400.8 | 401.2 | 401.6 | 401.6 | 401.2 | 400.7 | 400.3 | 399.8 |
| 175°   | 403.6 | 404.0 | 404.5 | 404.4 | 403.9 | 403.4 | 403.0 | 402.4 |
| 177.5° | 404.9 | 405.3 | 405.6 | 405.6 | 405.2 | 404.7 | 404.4 | 403.9 |
| 180°   | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 | 405.0 |

(END OF REPORT)