

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: P333299-930

Luminaire Tested: **S125DIP-S1270D365U930-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333299-930  
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-S1270D365U930-4F0-1E-UDD-D1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, DROP 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: 5050.0 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

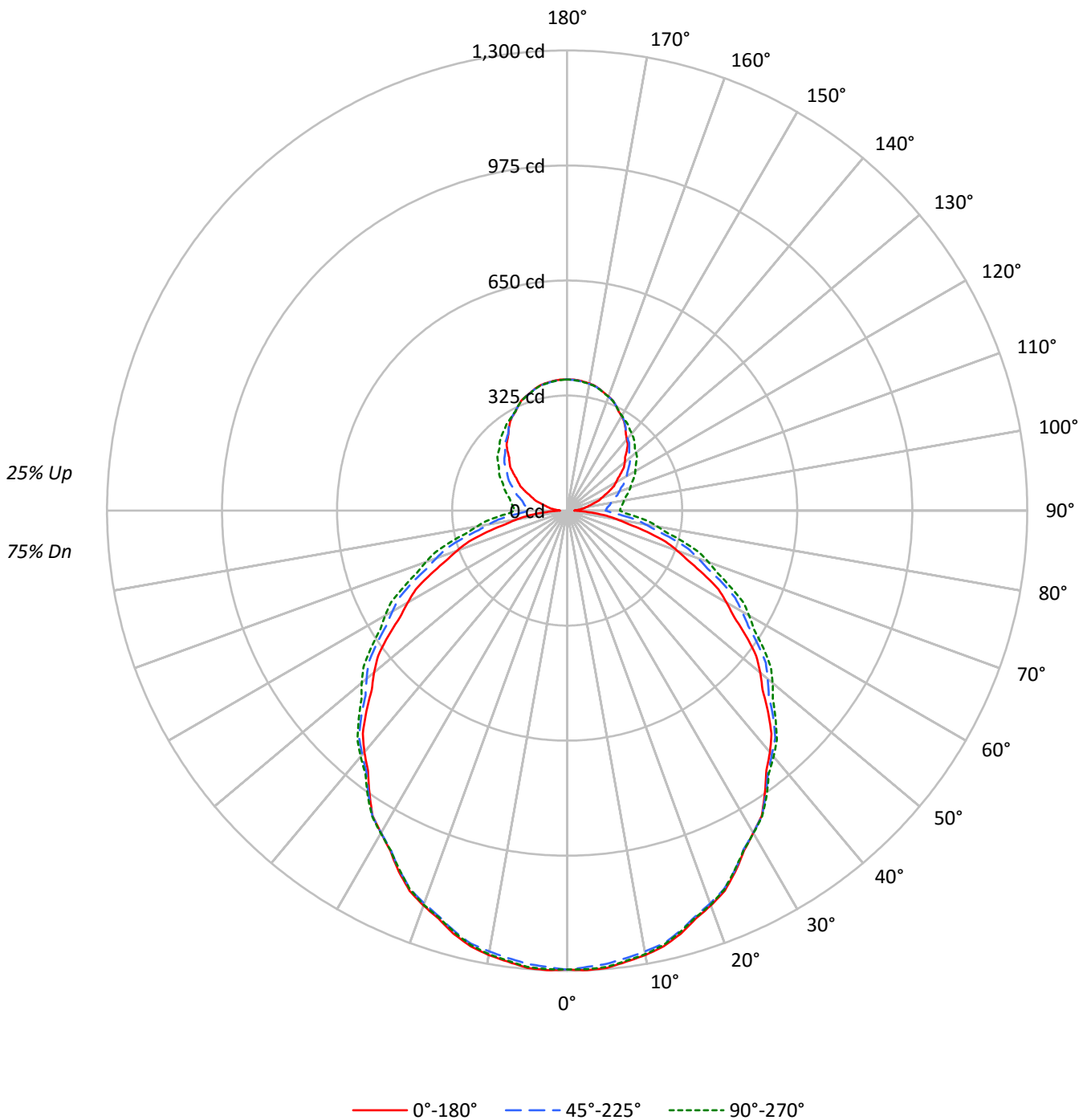
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333299-930

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### Luminous Intensity Polar Plot





TEST NUMBER: P333299-930

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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 | 97 | 97 | 97 |  | 88 | 88 | 88 |  | 79 | 79 | 79 | 75 |
| 1   | 102 | 97  | 93  | 89  | 97  | 92  | 89  | 85  | 84 | 81 | 78 |  | 75 | 73 | 71 |  | 68 | 66 | 64 | 61 |
| 2   | 93  | 84  | 77  | 72  | 88  | 80  | 74  | 69  | 73 | 68 | 63 |  | 66 | 62 | 58 |  | 59 | 56 | 53 | 50 |
| 3   | 84  | 74  | 66  | 59  | 80  | 70  | 63  | 57  | 64 | 58 | 53 |  | 58 | 53 | 49 |  | 52 | 48 | 45 | 42 |
| 4   | 77  | 65  | 57  | 50  | 73  | 62  | 54  | 48  | 57 | 50 | 45 |  | 51 | 46 | 42 |  | 46 | 42 | 38 | 36 |
| 5   | 71  | 58  | 49  | 43  | 67  | 56  | 47  | 41  | 51 | 44 | 39 |  | 46 | 40 | 36 |  | 42 | 37 | 33 | 31 |
| 6   | 65  | 52  | 43  | 37  | 62  | 50  | 42  | 36  | 46 | 39 | 34 |  | 42 | 36 | 32 |  | 38 | 33 | 29 | 27 |
| 7   | 60  | 47  | 39  | 33  | 57  | 45  | 37  | 32  | 41 | 35 | 30 |  | 38 | 32 | 28 |  | 34 | 30 | 26 | 24 |
| 8   | 56  | 43  | 35  | 29  | 53  | 41  | 33  | 28  | 38 | 31 | 27 |  | 35 | 29 | 25 |  | 32 | 27 | 23 | 21 |
| 9   | 52  | 39  | 31  | 26  | 50  | 38  | 30  | 25  | 35 | 28 | 24 |  | 32 | 26 | 22 |  | 29 | 24 | 21 | 19 |
| 10  | 49  | 36  | 28  | 23  | 47  | 35  | 28  | 23  | 32 | 26 | 22 |  | 30 | 24 | 20 |  | 27 | 22 | 19 | 17 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8374 | 8374 | 8374 |
| 5°  | 8391 | 8220 | 8245 |
| 10° | 8331 | 8072 | 8060 |
| 15° | 8232 | 7896 | 7825 |
| 20° | 8098 | 7680 | 7590 |
| 25° | 7939 | 7447 | 7300 |
| 30° | 7746 | 7191 | 7036 |
| 35° | 7566 | 6956 | 6795 |
| 40° | 7383 | 6709 | 6552 |
| 45° | 7176 | 6497 | 6337 |
| 50° | 6978 | 6267 | 6147 |
| 55° | 6741 | 6051 | 5923 |
| 60° | 6482 | 5802 | 5695 |
| 65° | 6210 | 5544 | 5437 |
| 70° | 5903 | 5190 | 5173 |
| 75° | 5415 | 4849 | 4849 |
| 80° | 4780 | 4438 | 4496 |
| 85° | 4189 | 4162 | 4384 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 122.6  | 2.4       |
| 10°-20°   | 348.0  | 6.9       |
| 20°-30°   | 517.6  | 10.2      |
| 30°-40°   | 613.1  | 12.1      |
| 40°-50°   | 633.9  | 12.6      |
| 50°-60°   | 583.9  | 11.6      |
| 60°-70°   | 472.0  | 9.3       |
| 70°-80°   | 316.1  | 6.3       |
| 80°-90°   | 164.8  | 3.3       |
| 90°-100°  | 116.8  | 2.3       |
| 100°-110° | 141.1  | 2.8       |
| 110°-120° | 169.5  | 3.4       |
| 120°-130° | 189.1  | 3.7       |
| 130°-140° | 194.2  | 3.8       |
| 140°-150° | 181.6  | 3.6       |
| 150°-160° | 150.6  | 3.0       |
| 160°-170° | 100.1  | 2.0       |
| 170°-180° | 35.0   | 0.7       |
| 0°-30°    | 988.2  | 19.6      |
| 0°-40°    | 1601.3 | 31.7      |
| 0°-60°    | 2819.2 | 55.8      |
| 0°-90°    | 3772.1 | 74.7      |
| 90°-120°  | 427.4  | 8.5       |
| 90°-150°  | 992.2  | 19.6      |
| 90°-180°  | 1278.0 | 25.3      |
| 0°-180°   | 5050.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1297 | 1297  | 1297 | 1297  | 1297 |      |
| 5°   | 1297 | 1294  | 1285 | 1295  | 1294 | 123  |
| 15°  | 1238 | 1239  | 1230 | 1237  | 1233 | 349  |
| 25°  | 1125 | 1128  | 1121 | 1126  | 1120 | 518  |
| 35°  | 974  | 982   | 979  | 982   | 983  | 609  |
| 45°  | 802  | 816   | 822  | 831   | 833  | 619  |
| 55°  | 616  | 637   | 657  | 671   | 676  | 551  |
| 65°  | 424  | 454   | 484  | 503   | 508  | 421  |
| 75°  | 234  | 267   | 308  | 332   | 339  | 248  |
| 85°  | 70   | 112   | 156  | 183   | 194  | 74   |
| 90°  | 21   | 64    | 109  | 138   | 149  | 15   |
| 95°  | 35   | 70    | 115  | 144   | 154  | 33   |
| 105° | 77   | 100   | 139  | 165   | 176  | 82   |
| 115° | 132  | 143   | 176  | 197   | 206  | 130  |
| 125° | 186  | 188   | 212  | 232   | 238  | 167  |
| 135° | 238  | 239   | 248  | 264   | 270  | 184  |
| 145° | 287  | 287   | 288  | 294   | 298  | 179  |
| 155° | 327  | 327   | 327  | 328   | 327  | 150  |
| 165° | 355  | 355   | 355  | 356   | 354  | 100  |
| 175° | 369  | 368   | 368  | 370   | 368  | 35   |
| 180° | 370  | 370   | 370  | 370   | 370  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 |
| 2.5°   | 1299.6 | 1299.2 | 1298.7 | 1298.3 | 1297.8 | 1296.8 | 1295.2 | 1293.6 | 1292.1 | 1290.5 | 1292.1 |
| 5°     | 1296.6 | 1296.0 | 1295.4 | 1294.9 | 1294.3 | 1293.1 | 1291.0 | 1289.1 | 1287.1 | 1285.2 | 1287.4 |
| 7.5°   | 1285.2 | 1284.9 | 1284.7 | 1284.4 | 1284.3 | 1283.1 | 1281.1 | 1279.0 | 1277.0 | 1275.0 | 1276.9 |
| 10°    | 1275.0 | 1275.0 | 1275.0 | 1275.0 | 1275.0 | 1273.8 | 1271.5 | 1269.3 | 1267.1 | 1264.8 | 1266.7 |
| 12.5°  | 1260.7 | 1260.9 | 1261.2 | 1261.4 | 1261.6 | 1260.9 | 1259.1 | 1257.2 | 1255.4 | 1253.6 | 1255.2 |
| 15°    | 1238.1 | 1238.4 | 1238.7 | 1238.9 | 1239.3 | 1238.4 | 1236.4 | 1234.4 | 1232.5 | 1230.4 | 1232.2 |
| 17.5°  | 1208.6 | 1209.2 | 1209.7 | 1210.3 | 1210.9 | 1210.1 | 1208.2 | 1206.2 | 1204.2 | 1202.2 | 1203.5 |
| 20°    | 1187.2 | 1187.8 | 1188.4 | 1189.0 | 1189.5 | 1188.8 | 1186.8 | 1184.9 | 1182.8 | 1180.9 | 1181.8 |
| 22.5°  | 1162.9 | 1163.8 | 1164.9 | 1165.9 | 1166.9 | 1166.3 | 1164.1 | 1161.9 | 1159.7 | 1157.5 | 1158.5 |
| 25°    | 1124.9 | 1125.8 | 1126.7 | 1127.5 | 1128.4 | 1128.0 | 1126.3 | 1124.5 | 1122.8 | 1121.1 | 1122.3 |
| 27.5°  | 1082.8 | 1084.0 | 1085.2 | 1086.5 | 1087.8 | 1087.4 | 1085.5 | 1083.5 | 1081.7 | 1079.7 | 1080.5 |
| 30°    | 1051.2 | 1053.0 | 1054.6 | 1056.3 | 1058.0 | 1058.0 | 1056.3 | 1054.6 | 1053.0 | 1051.2 | 1051.8 |
| 32.5°  | 1022.8 | 1024.3 | 1025.7 | 1027.2 | 1028.7 | 1028.7 | 1027.5 | 1026.3 | 1025.0 | 1023.8 | 1024.3 |
| 35°    | 973.7  | 975.7  | 977.6  | 979.7  | 981.6  | 982.2  | 981.3  | 980.5  | 979.7  | 978.8  | 979.7  |
| 37.5°  | 924.6  | 926.4  | 928.2  | 930.1  | 931.9  | 932.6  | 932.4  | 932.1  | 931.8  | 931.5  | 932.6  |
| 40°    | 891.0  | 893.3  | 895.6  | 897.9  | 900.1  | 901.1  | 900.8  | 900.5  | 900.3  | 900.0  | 901.1  |
| 42.5°  | 854.4  | 857.4  | 860.3  | 863.2  | 866.3  | 868.0  | 868.6  | 869.3  | 869.8  | 870.5  | 871.8  |
| 45°    | 802.1  | 805.2  | 808.3  | 811.4  | 814.5  | 816.8  | 818.2  | 819.6  | 821.0  | 822.4  | 824.4  |
| 47.5°  | 748.4  | 751.3  | 754.2  | 757.1  | 759.9  | 762.6  | 765.1  | 767.5  | 769.9  | 772.3  | 775.3  |
| 50°    | 711.8  | 714.9  | 718.0  | 721.1  | 724.3  | 727.4  | 730.5  | 733.6  | 736.7  | 739.8  | 742.9  |
| 52.5°  | 673.2  | 677.0  | 680.8  | 684.5  | 688.4  | 692.1  | 695.9  | 699.7  | 703.4  | 707.3  | 710.6  |
| 55°    | 616.5  | 621.0  | 625.6  | 630.1  | 634.5  | 639.1  | 643.6  | 648.2  | 652.6  | 657.2  | 660.3  |
| 57.5°  | 558.6  | 563.9  | 569.4  | 574.8  | 580.2  | 585.5  | 590.8  | 595.9  | 601.1  | 606.3  | 609.9  |
| 60°    | 519.9  | 525.5  | 531.2  | 536.9  | 542.5  | 548.1  | 553.8  | 559.5  | 565.1  | 570.7  | 574.9  |
| 62.5°  | 482.2  | 488.0  | 493.6  | 499.2  | 504.8  | 510.8  | 516.8  | 522.9  | 529.0  | 535.2  | 539.8  |
| 65°    | 424.5  | 431.0  | 437.6  | 444.1  | 450.5  | 457.2  | 464.0  | 470.8  | 477.5  | 484.3  | 488.5  |
| 67.5°  | 370.1  | 376.4  | 382.7  | 389.0  | 395.3  | 401.9  | 408.7  | 415.6  | 422.5  | 429.4  | 434.6  |
| 70°    | 330.5  | 337.0  | 343.5  | 350.0  | 356.4  | 363.4  | 370.7  | 378.1  | 385.5  | 392.8  | 398.2  |
| 72.5°  | 291.9  | 298.6  | 305.3  | 312.0  | 318.8  | 326.1  | 334.1  | 342.2  | 350.2  | 358.2  | 364.0  |
| 75°    | 233.9  | 241.2  | 248.6  | 255.9  | 263.3  | 271.5  | 280.5  | 289.5  | 298.6  | 307.6  | 313.2  |
| 77.5°  | 178.2  | 186.7  | 195.2  | 203.7  | 212.1  | 220.7  | 229.4  | 238.1  | 246.8  | 255.5  | 261.7  |
| 80°    | 143.7  | 152.1  | 160.6  | 169.1  | 177.6  | 186.5  | 196.2  | 205.8  | 215.4  | 225.0  | 231.2  |
| 82.5°  | 112.1  | 121.1  | 130.0  | 138.9  | 147.8  | 157.2  | 167.1  | 176.8  | 186.7  | 196.5  | 202.5  |
| 85°    | 70.0   | 79.2   | 88.5   | 97.9   | 107.2  | 116.8  | 126.7  | 136.6  | 146.4  | 156.4  | 162.6  |
| 87.5°  | 39.7   | 48.8   | 58.0   | 67.2   | 76.3   | 85.7   | 95.4   | 105.1  | 114.8  | 124.5  | 131.0  |
| 90°    | 20.6   | 30.2   | 39.7   | 49.2   | 58.9   | 68.6   | 78.7   | 88.7   | 98.8   | 108.8  | 115.7  |
| 92.5°  | 25.3   | 34.0   | 42.7   | 51.4   | 60.2   | 69.7   | 80.1   | 90.5   | 100.9  | 111.2  | 117.9  |
| 95°    | 35.2   | 42.7   | 50.2   | 57.6   | 65.1   | 74.0   | 84.2   | 94.5   | 104.8  | 115.0  | 121.6  |
| 97.5°  | 46.1   | 52.7   | 59.4   | 66.1   | 72.8   | 81.2   | 91.3   | 101.5  | 111.6  | 121.8  | 128.1  |
| 100°   | 54.3   | 60.3   | 66.2   | 72.2   | 78.0   | 85.9   | 95.8   | 105.7  | 115.6  | 125.5  | 131.9  |
| 102.5° | 63.2   | 69.0   | 74.7   | 80.5   | 86.2   | 93.7   | 102.9  | 112.1  | 121.4  | 130.6  | 136.9  |
| 105°   | 77.1   | 82.0   | 86.8   | 91.6   | 96.5   | 103.4  | 112.2  | 121.1  | 130.0  | 138.8  | 144.8  |
| 107.5° | 92.7   | 96.9   | 101.0  | 105.2  | 109.3  | 115.6  | 124.1  | 132.5  | 140.9  | 149.4  | 155.2  |
| 110°   | 103.4  | 107.1  | 110.8  | 114.5  | 118.2  | 124.2  | 132.2  | 140.4  | 148.5  | 156.5  | 162.2  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 115.4 | 118.3 | 121.2 | 124.0 | 126.9 | 132.3 | 140.2 | 148.1 | 156.1 | 164.0 | 169.3 |
| 115°   | 131.8 | 134.0 | 136.3 | 138.5 | 140.7 | 145.6 | 153.1 | 160.5 | 168.0 | 175.5 | 180.5 |
| 117.5° | 148.3 | 149.7 | 151.2 | 152.5 | 153.9 | 158.2 | 165.3 | 172.4 | 179.4 | 186.5 | 191.4 |
| 120°   | 159.4 | 160.5 | 161.7 | 162.9 | 164.0 | 167.9 | 174.5 | 181.0 | 187.6 | 194.1 | 198.9 |
| 122.5° | 170.3 | 170.9 | 171.4 | 171.9 | 172.4 | 175.9 | 182.3 | 188.7 | 195.2 | 201.6 | 206.1 |
| 125°   | 186.4 | 186.5 | 186.5 | 186.6 | 186.8 | 189.6 | 195.3 | 201.1 | 206.8 | 212.5 | 216.9 |
| 127.5° | 202.4 | 202.3 | 202.2 | 202.2 | 202.1 | 204.4 | 209.1 | 213.9 | 218.6 | 223.2 | 227.4 |
| 130°   | 212.7 | 212.8 | 212.8 | 212.9 | 212.9 | 214.9 | 219.0 | 223.1 | 227.2 | 231.3 | 235.1 |
| 132.5° | 222.1 | 222.6 | 223.0 | 223.5 | 224.0 | 225.7 | 228.8 | 231.8 | 234.8 | 237.8 | 241.7 |
| 135°   | 238.2 | 238.4 | 238.5 | 238.6 | 238.6 | 239.7 | 241.8 | 243.9 | 245.9 | 247.9 | 251.6 |
| 137.5° | 253.5 | 253.6 | 253.7 | 253.9 | 254.0 | 254.6 | 255.8 | 256.8 | 258.0 | 259.0 | 262.4 |
| 140°   | 262.4 | 262.7 | 263.0 | 263.3 | 263.6 | 264.0 | 264.5 | 265.0 | 265.5 | 266.0 | 269.1 |
| 142.5° | 272.2 | 272.3 | 272.3 | 272.4 | 272.4 | 272.6 | 272.9 | 273.2 | 273.5 | 273.8 | 276.5 |
| 145°   | 286.8 | 286.8 | 286.8 | 286.7 | 286.7 | 286.8 | 287.0 | 287.2 | 287.4 | 287.6 | 289.0 |
| 147.5° | 299.1 | 299.2 | 299.3 | 299.5 | 299.6 | 299.8 | 299.9 | 300.1 | 300.2 | 300.4 | 301.0 |
| 150°   | 308.0 | 308.0 | 307.9 | 307.9 | 307.8 | 307.9 | 308.1 | 308.4 | 308.7 | 308.9 | 308.9 |
| 152.5° | 315.4 | 315.5 | 315.6 | 315.7 | 315.8 | 315.8 | 316.0 | 316.1 | 316.2 | 316.3 | 316.4 |
| 155°   | 326.8 | 326.8 | 326.8 | 326.8 | 326.8 | 326.8 | 326.9 | 326.9 | 327.0 | 327.1 | 327.3 |
| 157.5° | 336.9 | 336.8 | 336.6 | 336.5 | 336.4 | 336.3 | 336.4 | 336.5 | 336.5 | 336.6 | 336.8 |
| 160°   | 342.9 | 342.8 | 342.5 | 342.3 | 342.2 | 342.1 | 342.2 | 342.2 | 342.3 | 342.3 | 342.6 |
| 162.5° | 348.2 | 348.1 | 348.0 | 347.8 | 347.6 | 347.6 | 347.6 | 347.6 | 347.6 | 347.6 | 348.0 |
| 165°   | 355.3 | 355.1 | 355.1 | 354.9 | 354.8 | 354.7 | 354.8 | 354.9 | 355.0 | 355.0 | 355.3 |
| 167.5° | 361.3 | 361.0 | 360.8 | 360.5 | 360.3 | 360.1 | 360.1 | 360.1 | 360.1 | 360.1 | 360.5 |
| 170°   | 364.5 | 364.3 | 364.0 | 363.8 | 363.5 | 363.4 | 363.4 | 363.4 | 363.4 | 363.4 | 363.8 |
| 172.5° | 366.8 | 366.6 | 366.3 | 366.1 | 365.8 | 365.7 | 365.7 | 365.7 | 365.7 | 365.7 | 366.1 |
| 175°   | 369.4 | 369.2 | 368.9 | 368.7 | 368.4 | 368.3 | 368.3 | 368.3 | 368.3 | 368.3 | 368.7 |
| 177.5° | 370.7 | 370.6 | 370.3 | 370.1 | 369.9 | 369.8 | 369.7 | 369.7 | 369.7 | 369.6 | 369.9 |
| 180°   | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 | 1296.6 |
| 2.5°   | 1293.6 | 1295.2 | 1296.8 | 1297.5 | 1297.2 | 1297.1 | 1296.8 | 1296.6 |
| 5°     | 1289.6 | 1291.9 | 1294.2 | 1295.2 | 1294.9 | 1294.6 | 1294.3 | 1294.0 |
| 7.5°   | 1278.9 | 1280.9 | 1282.9 | 1283.7 | 1283.4 | 1283.1 | 1282.9 | 1282.5 |
| 10°    | 1268.8 | 1270.7 | 1272.7 | 1273.6 | 1273.3 | 1273.0 | 1272.7 | 1272.4 |
| 12.5°  | 1256.6 | 1258.2 | 1259.7 | 1260.1 | 1259.4 | 1258.7 | 1257.9 | 1257.2 |
| 15°    | 1233.9 | 1235.6 | 1237.2 | 1237.5 | 1236.4 | 1235.3 | 1234.1 | 1233.0 |
| 17.5°  | 1204.8 | 1206.2 | 1207.5 | 1207.8 | 1207.1 | 1206.4 | 1205.7 | 1205.0 |
| 20°    | 1182.6 | 1183.4 | 1184.3 | 1184.7 | 1184.7 | 1184.7 | 1184.7 | 1184.7 |
| 22.5°  | 1159.7 | 1160.7 | 1161.8 | 1162.0 | 1161.3 | 1160.7 | 1159.9 | 1159.3 |
| 25°    | 1123.4 | 1124.5 | 1125.7 | 1125.5 | 1124.1 | 1122.7 | 1121.3 | 1119.9 |
| 27.5°  | 1081.3 | 1082.1 | 1082.9 | 1083.0 | 1082.5 | 1082.0 | 1081.5 | 1081.0 |
| 30°    | 1052.4 | 1053.0 | 1053.5 | 1053.6 | 1053.4 | 1053.0 | 1052.8 | 1052.5 |
| 32.5°  | 1024.9 | 1025.5 | 1026.1 | 1026.2 | 1025.9 | 1025.6 | 1025.3 | 1025.1 |
| 35°    | 980.5  | 981.3  | 982.2  | 982.6  | 982.6  | 982.6  | 982.6  | 982.6  |
| 37.5°  | 933.8  | 934.9  | 936.0  | 936.5  | 936.4  | 936.3  | 936.2  | 936.0  |
| 40°    | 902.2  | 903.4  | 904.5  | 905.3  | 905.9  | 906.4  | 907.0  | 907.6  |
| 42.5°  | 873.2  | 874.6  | 875.9  | 876.6  | 876.8  | 876.9  | 877.0  | 877.1  |
| 45°    | 826.4  | 828.3  | 830.3  | 831.4  | 831.8  | 832.0  | 832.3  | 832.6  |
| 47.5°  | 778.1  | 781.0  | 783.9  | 785.6  | 786.3  | 786.8  | 787.5  | 788.1  |
| 50°    | 746.0  | 749.1  | 752.3  | 754.2  | 755.0  | 755.9  | 756.8  | 757.6  |
| 52.5°  | 714.0  | 717.3  | 720.6  | 722.6  | 723.2  | 723.8  | 724.5  | 725.0  |
| 55°    | 663.4  | 666.5  | 669.6  | 671.7  | 672.9  | 674.0  | 675.1  | 676.3  |
| 57.5°  | 613.4  | 617.0  | 620.6  | 622.8  | 623.6  | 624.4  | 625.3  | 626.1  |
| 60°    | 579.2  | 583.4  | 587.7  | 590.2  | 591.1  | 591.9  | 592.8  | 593.6  |
| 62.5°  | 544.5  | 549.2  | 553.9  | 556.8  | 557.8  | 559.0  | 560.0  | 561.1  |
| 65°    | 492.8  | 497.0  | 501.2  | 503.9  | 505.1  | 506.2  | 507.4  | 508.4  |
| 67.5°  | 439.7  | 444.8  | 450.0  | 453.2  | 454.7  | 456.2  | 457.7  | 459.2  |
| 70°    | 403.5  | 408.9  | 414.3  | 417.8  | 419.5  | 421.2  | 422.9  | 424.5  |
| 72.5°  | 369.8  | 375.7  | 381.5  | 385.0  | 386.3  | 387.5  | 388.7  | 390.0  |
| 75°    | 318.9  | 324.6  | 330.2  | 333.8  | 335.2  | 336.6  | 338.0  | 339.4  |
| 77.5°  | 267.9  | 274.1  | 280.4  | 284.1  | 285.2  | 286.3  | 287.4  | 288.5  |
| 80°    | 237.4  | 243.6  | 249.9  | 253.6  | 254.6  | 255.8  | 256.9  | 258.0  |
| 82.5°  | 208.5  | 214.5  | 220.5  | 224.5  | 226.5  | 228.5  | 230.6  | 232.6  |
| 85°    | 168.8  | 175.0  | 181.2  | 185.5  | 187.7  | 190.0  | 192.2  | 194.4  |
| 87.5°  | 137.6  | 144.1  | 150.7  | 155.0  | 157.0  | 159.1  | 161.0  | 163.1  |
| 90°    | 122.5  | 129.3  | 136.1  | 140.6  | 142.8  | 145.0  | 147.1  | 149.3  |
| 92.5°  | 124.7  | 131.3  | 138.0  | 142.4  | 144.6  | 146.7  | 148.8  | 150.9  |
| 95°    | 128.3  | 134.9  | 141.6  | 146.0  | 148.1  | 150.3  | 152.3  | 154.4  |
| 97.5°  | 134.4  | 140.8  | 147.2  | 151.4  | 153.4  | 155.4  | 157.4  | 159.4  |
| 100°   | 138.4  | 145.0  | 151.5  | 155.6  | 157.4  | 159.3  | 161.1  | 162.9  |
| 102.5° | 143.2  | 149.6  | 156.0  | 160.0  | 161.9  | 163.8  | 165.7  | 167.5  |
| 105°   | 150.8  | 156.9  | 162.9  | 167.1  | 169.2  | 171.4  | 173.5  | 175.7  |
| 107.5° | 160.9  | 166.7  | 172.5  | 176.3  | 178.0  | 179.7  | 181.5  | 183.2  |
| 110°   | 167.7  | 173.3  | 178.8  | 182.5  | 184.4  | 186.4  | 188.3  | 190.2  |





TEST NUMBER: P333299-930

CATALOG NUMBER: S125DIP-S1270D365U930-4F0-1E-UDD-D1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 174.5 | 179.7 | 184.9 | 188.5 | 190.4 | 192.2 | 194.0 | 195.9 |
| 115°   | 185.6 | 190.5 | 195.6 | 198.9 | 200.6 | 202.2 | 203.8 | 205.5 |
| 117.5° | 196.2 | 201.1 | 205.9 | 209.1 | 210.8 | 212.5 | 214.1 | 215.8 |
| 120°   | 203.7 | 208.6 | 213.4 | 216.5 | 217.9 | 219.3 | 220.8 | 222.3 |
| 122.5° | 210.7 | 215.2 | 219.7 | 222.7 | 224.2 | 225.7 | 227.2 | 228.7 |
| 125°   | 221.3 | 225.7 | 230.1 | 232.9 | 234.3 | 235.6 | 237.0 | 238.3 |
| 127.5° | 231.5 | 235.6 | 239.7 | 242.6 | 244.0 | 245.6 | 247.0 | 248.6 |
| 130°   | 239.0 | 243.0 | 246.9 | 249.4 | 250.7 | 252.0 | 253.3 | 254.5 |
| 132.5° | 245.6 | 249.5 | 253.4 | 255.8 | 256.8 | 257.8 | 258.9 | 259.8 |
| 135°   | 255.3 | 258.9 | 262.6 | 265.0 | 266.2 | 267.3 | 268.5 | 269.6 |
| 137.5° | 265.9 | 269.3 | 272.7 | 274.8 | 275.7 | 276.5 | 277.2 | 278.0 |
| 140°   | 272.4 | 275.7 | 278.8 | 280.9 | 281.7 | 282.5 | 283.3 | 284.1 |
| 142.5° | 279.2 | 282.0 | 284.7 | 286.5 | 287.3 | 288.1 | 288.9 | 289.8 |
| 145°   | 290.4 | 291.8 | 293.3 | 294.4 | 295.4 | 296.3 | 297.3 | 298.2 |
| 147.5° | 301.6 | 302.2 | 302.8 | 303.1 | 303.2 | 303.3 | 303.4 | 303.5 |
| 150°   | 308.9 | 308.9 | 308.9 | 309.0 | 309.2 | 309.3 | 309.5 | 309.6 |
| 152.5° | 316.6 | 316.7 | 316.9 | 316.9 | 316.7 | 316.6 | 316.3 | 316.2 |
| 155°   | 327.6 | 327.8 | 328.1 | 328.1 | 327.8 | 327.4 | 327.1 | 326.8 |
| 157.5° | 337.0 | 337.4 | 337.6 | 337.5 | 337.1 | 336.6 | 336.2 | 335.8 |
| 160°   | 342.8 | 343.1 | 343.3 | 343.3 | 343.0 | 342.7 | 342.3 | 342.0 |
| 162.5° | 348.2 | 348.5 | 348.9 | 348.9 | 348.5 | 348.1 | 347.7 | 347.3 |
| 165°   | 355.6 | 355.8 | 356.0 | 356.0 | 355.6 | 355.2 | 354.8 | 354.4 |
| 167.5° | 360.9 | 361.3 | 361.7 | 361.7 | 361.3 | 360.9 | 360.4 | 360.1 |
| 170°   | 364.1 | 364.5 | 364.9 | 364.8 | 364.4 | 363.9 | 363.5 | 363.1 |
| 172.5° | 366.5 | 366.8 | 367.2 | 367.2 | 366.8 | 366.4 | 366.0 | 365.6 |
| 175°   | 369.0 | 369.4 | 369.8 | 369.7 | 369.3 | 368.8 | 368.4 | 367.9 |
| 177.5° | 370.2 | 370.6 | 370.8 | 370.8 | 370.5 | 370.1 | 369.7 | 369.3 |
| 180°   | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 | 370.3 |

(END OF REPORT)