

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: P333300-940

Luminaire Tested: **S125DIP-S1270D365U940-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333300-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S1270D365U940-4F0-1E-UDD-D4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5565.3 lumens  
Efficiency: N/A  
Efficacy: 111.8 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

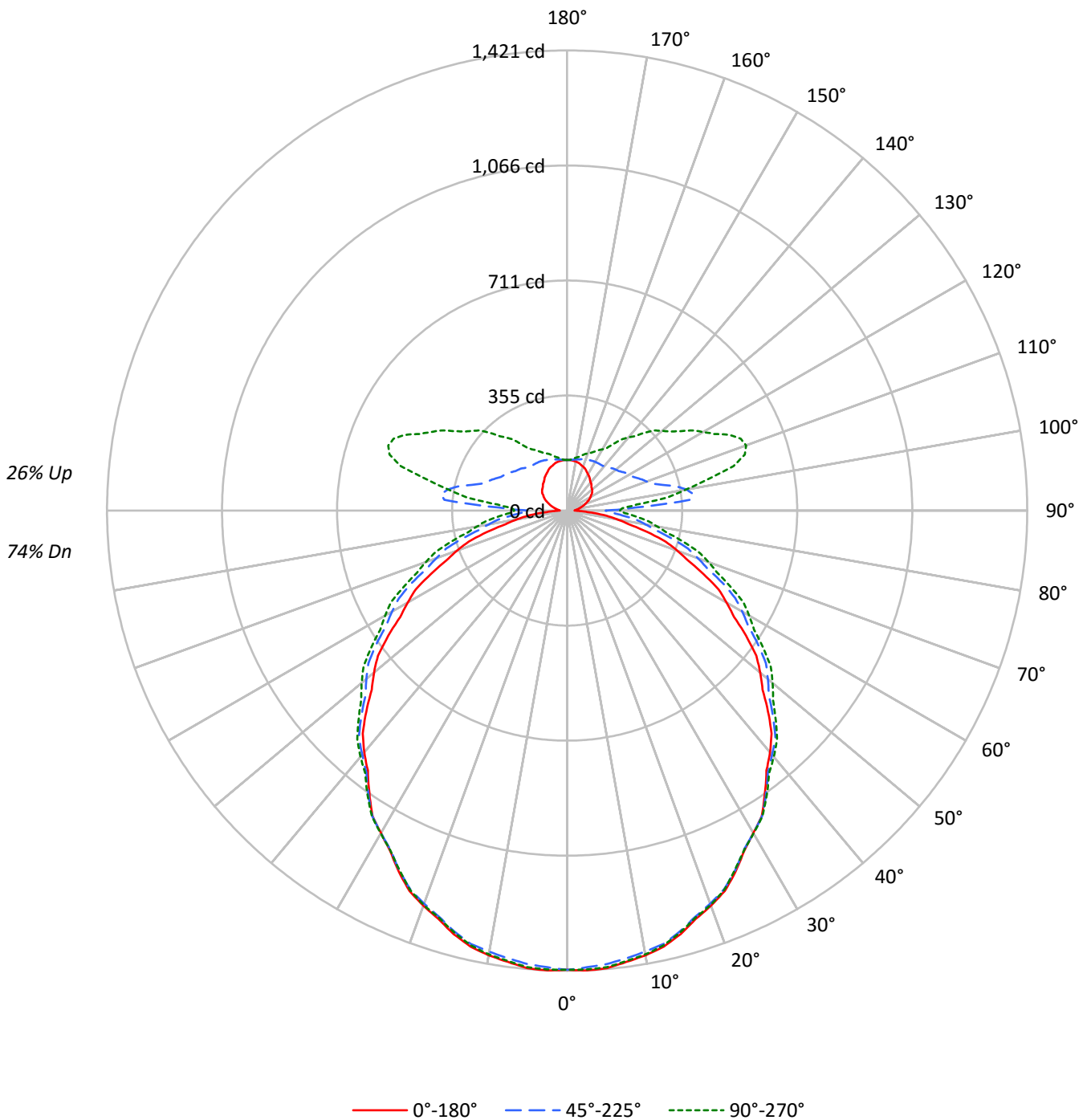
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333300-940

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### Luminous Intensity Polar Plot





TEST NUMBER: P333300-940

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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 |  | 87 | 87 | 87 |  | 78 | 78 | 78 | 74 |
| 1   | 102 | 97  | 93  | 89  | 97  | 92  | 88  | 85  | 83 | 80 | 77 |  | 75 | 73 | 70 |  | 67 | 66 | 64 | 60 |
| 2   | 93  | 84  | 77  | 72  | 88  | 80  | 74  | 69  | 72 | 68 | 63 |  | 65 | 61 | 58 |  | 59 | 56 | 53 | 50 |
| 3   | 84  | 74  | 66  | 59  | 80  | 70  | 63  | 57  | 64 | 58 | 53 |  | 57 | 53 | 49 |  | 52 | 48 | 45 | 41 |
| 4   | 77  | 65  | 57  | 50  | 73  | 62  | 54  | 48  | 56 | 50 | 45 |  | 51 | 46 | 41 |  | 46 | 42 | 38 | 35 |
| 5   | 71  | 58  | 49  | 43  | 67  | 55  | 47  | 41  | 50 | 44 | 39 |  | 46 | 40 | 36 |  | 41 | 37 | 33 | 30 |
| 6   | 65  | 52  | 43  | 37  | 62  | 50  | 42  | 36  | 45 | 39 | 34 |  | 41 | 36 | 31 |  | 38 | 33 | 29 | 27 |
| 7   | 60  | 47  | 39  | 33  | 57  | 45  | 37  | 32  | 41 | 35 | 30 |  | 38 | 32 | 28 |  | 34 | 29 | 26 | 23 |
| 8   | 56  | 43  | 35  | 29  | 53  | 41  | 33  | 28  | 38 | 31 | 26 |  | 34 | 29 | 25 |  | 31 | 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  | 46  | 35  | 28  | 23  | 32 | 26 | 21 |  | 29 | 24 | 20 |  | 27 | 22 | 19 | 17 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 9159 | 9159 | 9159 |
| 5°  | 9177 | 8990 | 9018 |
| 10° | 9112 | 8829 | 8816 |
| 15° | 9004 | 8637 | 8558 |
| 20° | 8857 | 8400 | 8301 |
| 25° | 8683 | 8145 | 7984 |
| 30° | 8473 | 7865 | 7696 |
| 35° | 8276 | 7608 | 7432 |
| 40° | 8075 | 7338 | 7167 |
| 45° | 7849 | 7106 | 6931 |
| 50° | 7633 | 6854 | 6723 |
| 55° | 7373 | 6618 | 6478 |
| 60° | 7089 | 6346 | 6229 |
| 65° | 6792 | 6064 | 5947 |
| 70° | 6457 | 5677 | 5658 |
| 75° | 5923 | 5304 | 5304 |
| 80° | 5225 | 4854 | 4918 |
| 85° | 4578 | 4550 | 4797 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 134.1  | 2.4       |
| 10°-20°   | 380.7  | 6.8       |
| 20°-30°   | 566.1  | 10.2      |
| 30°-40°   | 670.6  | 12.0      |
| 40°-50°   | 693.3  | 12.5      |
| 50°-60°   | 638.7  | 11.5      |
| 60°-70°   | 516.3  | 9.3       |
| 70°-80°   | 345.7  | 6.2       |
| 80°-90°   | 180.2  | 3.2       |
| 90°-100°  | 213.9  | 3.8       |
| 100°-110° | 317.8  | 5.7       |
| 110°-120° | 278.3  | 5.0       |
| 120°-130° | 213.5  | 3.8       |
| 130°-140° | 161.0  | 2.9       |
| 140°-150° | 114.7  | 2.1       |
| 150°-160° | 79.0   | 1.4       |
| 160°-170° | 46.5   | 0.8       |
| 170°-180° | 15.1   | 0.3       |
| 0°-30°    | 1080.9 | 19.4      |
| 0°-40°    | 1751.4 | 31.5      |
| 0°-60°    | 3083.4 | 55.4      |
| 0°-90°    | 4125.6 | 74.1      |
| 90°-120°  | 810.0  | 14.6      |
| 90°-150°  | 1299.1 | 23.3      |
| 90°-180°  | 1440.0 | 25.9      |
| 0°-180°   | 5565.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1418 | 1418  | 1418 | 1418  | 1418 |      |
| 5°   | 1418 | 1415  | 1406 | 1416  | 1415 | 134  |
| 15°  | 1354 | 1355  | 1346 | 1353  | 1348 | 381  |
| 25°  | 1230 | 1234  | 1226 | 1231  | 1225 | 566  |
| 35°  | 1065 | 1074  | 1070 | 1074  | 1075 | 666  |
| 45°  | 877  | 892   | 900  | 909   | 911  | 677  |
| 55°  | 674  | 696   | 719  | 734   | 740  | 603  |
| 65°  | 464  | 496   | 530  | 550   | 556  | 461  |
| 75°  | 256  | 292   | 336  | 363   | 371  | 271  |
| 85°  | 76   | 123   | 171  | 201   | 213  | 81   |
| 90°  | 23   | 70    | 119  | 151   | 163  | 15   |
| 95°  | 28   | 86    | 381  | 258   | 216  | 25   |
| 105° | 48   | 86    | 305  | 553   | 532  | 51   |
| 115° | 72   | 96    | 238  | 474   | 553  | 71   |
| 125° | 94   | 109   | 208  | 368   | 428  | 83   |
| 135° | 106  | 126   | 186  | 292   | 340  | 82   |
| 145° | 122  | 138   | 175  | 225   | 253  | 76   |
| 155° | 137  | 148   | 171  | 193   | 201  | 63   |
| 165° | 150  | 154   | 164  | 174   | 176  | 42   |
| 175° | 156  | 156   | 157  | 159   | 158  | 15   |
| 180° | 156  | 156   | 156  | 156   | 156  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 |
| 2.5°   | 1421.4 | 1420.9 | 1420.4 | 1420.0 | 1419.4 | 1418.4 | 1416.6 | 1414.9 | 1413.2 | 1411.4 | 1413.2 |
| 5°     | 1418.1 | 1417.5 | 1416.8 | 1416.2 | 1415.6 | 1414.3 | 1412.0 | 1409.9 | 1407.7 | 1405.6 | 1408.0 |
| 7.5°   | 1405.6 | 1405.3 | 1405.1 | 1404.8 | 1404.6 | 1403.4 | 1401.1 | 1398.9 | 1396.7 | 1394.5 | 1396.6 |
| 10°    | 1394.5 | 1394.5 | 1394.5 | 1394.5 | 1394.5 | 1393.2 | 1390.7 | 1388.3 | 1385.8 | 1383.3 | 1385.5 |
| 12.5°  | 1378.9 | 1379.1 | 1379.4 | 1379.7 | 1379.8 | 1379.0 | 1377.1 | 1375.0 | 1373.1 | 1371.1 | 1372.8 |
| 15°    | 1354.2 | 1354.4 | 1354.8 | 1355.0 | 1355.4 | 1354.4 | 1352.3 | 1350.1 | 1348.0 | 1345.8 | 1347.6 |
| 17.5°  | 1321.9 | 1322.5 | 1323.1 | 1323.7 | 1324.4 | 1323.6 | 1321.4 | 1319.3 | 1317.1 | 1314.9 | 1316.3 |
| 20°    | 1298.5 | 1299.1 | 1299.8 | 1300.4 | 1301.0 | 1300.2 | 1298.1 | 1295.9 | 1293.7 | 1291.6 | 1292.5 |
| 22.5°  | 1271.8 | 1272.9 | 1274.1 | 1275.1 | 1276.3 | 1275.6 | 1273.2 | 1270.8 | 1268.4 | 1266.0 | 1267.1 |
| 25°    | 1230.4 | 1231.4 | 1232.3 | 1233.1 | 1234.1 | 1233.7 | 1231.8 | 1229.9 | 1228.1 | 1226.2 | 1227.4 |
| 27.5°  | 1184.3 | 1185.6 | 1187.0 | 1188.3 | 1189.7 | 1189.3 | 1187.2 | 1185.1 | 1183.0 | 1180.9 | 1181.8 |
| 30°    | 1149.8 | 1151.6 | 1153.4 | 1155.3 | 1157.2 | 1157.2 | 1155.3 | 1153.4 | 1151.6 | 1149.8 | 1150.4 |
| 32.5°  | 1118.7 | 1120.3 | 1121.9 | 1123.5 | 1125.1 | 1125.2 | 1123.8 | 1122.5 | 1121.1 | 1119.7 | 1120.3 |
| 35°    | 1065.0 | 1067.1 | 1069.3 | 1071.5 | 1073.6 | 1074.2 | 1073.3 | 1072.4 | 1071.5 | 1070.5 | 1071.5 |
| 37.5°  | 1011.3 | 1013.3 | 1015.2 | 1017.3 | 1019.2 | 1020.0 | 1019.8 | 1019.4 | 1019.1 | 1018.8 | 1020.0 |
| 40°    | 974.6  | 977.0  | 979.5  | 982.0  | 984.4  | 985.5  | 985.3  | 984.9  | 984.6  | 984.4  | 985.5  |
| 42.5°  | 934.5  | 937.7  | 940.9  | 944.1  | 947.4  | 949.3  | 950.0  | 950.7  | 951.4  | 952.1  | 953.5  |
| 45°    | 877.3  | 880.7  | 884.0  | 887.4  | 890.8  | 893.3  | 894.9  | 896.4  | 898.0  | 899.5  | 901.7  |
| 47.5°  | 818.6  | 821.7  | 824.9  | 828.0  | 831.2  | 834.1  | 836.8  | 839.5  | 842.0  | 844.7  | 847.9  |
| 50°    | 778.6  | 781.9  | 785.3  | 788.7  | 792.2  | 795.6  | 799.0  | 802.4  | 805.7  | 809.1  | 812.5  |
| 52.5°  | 736.3  | 740.5  | 744.6  | 748.7  | 752.9  | 757.0  | 761.2  | 765.3  | 769.4  | 773.6  | 777.2  |
| 55°    | 674.3  | 679.2  | 684.2  | 689.1  | 694.0  | 699.0  | 703.9  | 708.9  | 713.8  | 718.8  | 722.2  |
| 57.5°  | 610.9  | 616.8  | 622.8  | 628.7  | 634.6  | 640.4  | 646.1  | 651.8  | 657.5  | 663.2  | 667.1  |
| 60°    | 568.6  | 574.8  | 580.9  | 587.2  | 593.3  | 599.5  | 605.7  | 611.9  | 618.0  | 624.2  | 628.8  |
| 62.5°  | 527.4  | 533.7  | 539.8  | 546.0  | 552.1  | 558.7  | 565.3  | 571.9  | 578.6  | 585.3  | 590.4  |
| 65°    | 464.3  | 471.4  | 478.6  | 485.7  | 492.8  | 500.1  | 507.5  | 514.9  | 522.3  | 529.7  | 534.3  |
| 67.5°  | 404.8  | 411.7  | 418.6  | 425.4  | 432.3  | 439.5  | 447.0  | 454.6  | 462.1  | 469.7  | 475.3  |
| 70°    | 361.5  | 368.5  | 375.7  | 382.8  | 389.9  | 397.4  | 405.5  | 413.6  | 421.6  | 429.6  | 435.5  |
| 72.5°  | 319.2  | 326.5  | 333.9  | 341.3  | 348.7  | 356.7  | 365.4  | 374.3  | 383.0  | 391.8  | 398.1  |
| 75°    | 255.8  | 263.9  | 271.9  | 279.9  | 287.9  | 296.9  | 306.7  | 316.6  | 326.5  | 336.4  | 342.6  |
| 77.5°  | 194.9  | 204.2  | 213.5  | 222.7  | 232.0  | 241.4  | 250.9  | 260.4  | 269.9  | 279.5  | 286.2  |
| 80°    | 157.1  | 166.4  | 175.7  | 184.9  | 194.2  | 204.0  | 214.5  | 225.1  | 235.6  | 246.1  | 252.9  |
| 82.5°  | 122.6  | 132.4  | 142.1  | 151.9  | 161.7  | 171.9  | 182.7  | 193.4  | 204.2  | 214.9  | 221.5  |
| 85°    | 76.5   | 86.7   | 96.8   | 107.1  | 117.3  | 127.8  | 138.6  | 149.4  | 160.2  | 171.0  | 177.8  |
| 87.5°  | 43.4   | 53.4   | 63.4   | 73.4   | 83.5   | 93.7   | 104.3  | 114.9  | 125.6  | 136.2  | 143.3  |
| 90°    | 22.6   | 32.7   | 43.2   | 53.8   | 64.3   | 75.2   | 86.0   | 97.1   | 107.9  | 119.0  | 126.4  |
| 92.5°  | 23.9   | 33.8   | 45.7   | 58.7   | 73.2   | 92.4   | 120.4  | 160.0  | 202.1  | 211.2  | 198.7  |
| 95°    | 28.4   | 36.8   | 47.3   | 58.9   | 73.8   | 97.3   | 141.5  | 221.3  | 318.9  | 380.7  | 381.5  |
| 97.5°  | 33.7   | 41.3   | 50.3   | 61.0   | 74.5   | 93.4   | 125.8  | 186.7  | 287.8  | 392.7  | 446.7  |
| 100°   | 37.4   | 44.5   | 52.3   | 62.2   | 74.6   | 92.3   | 120.5  | 171.3  | 260.6  | 373.5  | 458.8  |
| 102.5° | 41.6   | 47.9   | 54.9   | 64.6   | 76.1   | 93.1   | 119.0  | 163.1  | 239.8  | 345.2  | 443.5  |
| 105°   | 48.2   | 53.1   | 59.6   | 67.7   | 77.7   | 93.6   | 116.7  | 154.1  | 216.0  | 305.0  | 401.5  |
| 107.5° | 54.5   | 59.4   | 65.1   | 71.9   | 81.3   | 95.8   | 118.1  | 151.1  | 202.9  | 276.2  | 360.3  |
| 110°   | 59.2   | 63.6   | 68.5   | 75.1   | 83.5   | 97.9   | 119.4  | 149.8  | 196.6  | 261.4  | 335.9  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 65.0  | 68.6  | 72.6  | 78.4  | 86.1  | 99.7  | 120.6 | 149.5 | 192.4 | 250.8 | 316.6 |
| 115°   | 72.0  | 74.8  | 77.9  | 82.9  | 89.8  | 102.7 | 122.4 | 148.7 | 187.1 | 237.6 | 293.9 |
| 117.5° | 78.2  | 80.5  | 82.9  | 87.2  | 94.0  | 106.1 | 124.8 | 149.0 | 182.9 | 227.7 | 277.4 |
| 120°   | 83.2  | 85.1  | 87.3  | 91.0  | 97.3  | 109.2 | 127.3 | 149.6 | 180.9 | 221.8 | 267.7 |
| 122.5° | 87.4  | 88.5  | 90.0  | 93.3  | 99.5  | 111.0 | 128.9 | 150.2 | 178.5 | 216.1 | 258.4 |
| 125°   | 93.8  | 94.2  | 95.4  | 97.9  | 103.6 | 114.8 | 131.3 | 151.1 | 175.5 | 207.9 | 245.6 |
| 127.5° | 97.6  | 98.3  | 100.0 | 103.3 | 109.3 | 119.9 | 135.0 | 152.6 | 173.5 | 200.6 | 233.1 |
| 130°   | 100.9 | 101.6 | 103.8 | 107.5 | 113.9 | 124.0 | 138.1 | 154.4 | 173.0 | 196.8 | 225.8 |
| 132.5° | 102.4 | 103.4 | 106.5 | 110.9 | 117.8 | 127.6 | 140.7 | 155.2 | 171.7 | 192.3 | 218.3 |
| 135°   | 106.1 | 107.1 | 110.6 | 115.3 | 121.6 | 131.1 | 142.9 | 155.5 | 169.3 | 185.7 | 207.7 |
| 137.5° | 111.0 | 111.7 | 115.0 | 119.8 | 126.1 | 135.2 | 145.2 | 156.1 | 168.4 | 181.1 | 199.1 |
| 140°   | 113.0 | 113.9 | 117.7 | 122.7 | 128.7 | 137.4 | 146.8 | 156.6 | 167.0 | 178.0 | 194.0 |
| 142.5° | 116.5 | 116.9 | 120.2 | 125.0 | 130.5 | 138.4 | 147.1 | 156.1 | 165.8 | 176.0 | 190.0 |
| 145°   | 121.8 | 122.1 | 124.9 | 129.0 | 134.4 | 141.5 | 149.7 | 157.6 | 166.0 | 175.2 | 186.2 |
| 147.5° | 125.9 | 126.3 | 129.0 | 133.1 | 138.0 | 144.4 | 151.6 | 158.7 | 166.4 | 174.4 | 183.2 |
| 150°   | 129.2 | 129.8 | 132.1 | 136.2 | 140.5 | 145.9 | 152.8 | 159.4 | 166.4 | 173.6 | 181.2 |
| 152.5° | 132.8 | 133.1 | 135.1 | 138.7 | 142.9 | 147.7 | 154.1 | 160.0 | 166.1 | 172.6 | 179.4 |
| 155°   | 137.4 | 137.4 | 139.3 | 142.4 | 145.6 | 150.0 | 155.3 | 160.4 | 165.4 | 170.9 | 176.5 |
| 157.5° | 141.6 | 141.5 | 143.0 | 145.7 | 148.5 | 151.9 | 156.4 | 160.7 | 164.6 | 168.9 | 173.7 |
| 160°   | 144.4 | 144.0 | 145.3 | 147.5 | 150.0 | 152.8 | 156.9 | 160.7 | 163.9 | 167.6 | 171.5 |
| 162.5° | 146.6 | 146.3 | 147.6 | 149.5 | 151.5 | 153.8 | 157.5 | 160.5 | 163.1 | 166.1 | 169.4 |
| 165°   | 150.0 | 149.4 | 150.3 | 151.9 | 153.2 | 155.1 | 157.6 | 160.1 | 162.0 | 163.9 | 166.4 |
| 167.5° | 152.3 | 151.9 | 152.6 | 153.4 | 154.3 | 155.5 | 157.6 | 159.3 | 160.2 | 161.7 | 163.5 |
| 170°   | 153.8 | 153.5 | 153.8 | 154.4 | 155.1 | 156.0 | 157.6 | 158.8 | 159.4 | 160.4 | 161.7 |
| 172.5° | 154.8 | 154.3 | 154.5 | 155.2 | 155.5 | 156.0 | 157.3 | 158.4 | 158.5 | 158.9 | 159.9 |
| 175°   | 156.0 | 155.3 | 155.7 | 156.0 | 156.0 | 156.0 | 156.9 | 157.6 | 157.3 | 157.3 | 157.6 |
| 177.5° | 156.6 | 156.0 | 156.0 | 156.3 | 156.0 | 156.0 | 156.6 | 156.9 | 156.3 | 156.3 | 156.6 |
| 180°   | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 | 1418.1 |
| 2.5°   | 1414.9 | 1416.6 | 1418.4 | 1419.1 | 1418.8 | 1418.6 | 1418.4 | 1418.1 |
| 5°     | 1410.5 | 1413.0 | 1415.5 | 1416.6 | 1416.2 | 1415.9 | 1415.6 | 1415.3 |
| 7.5°   | 1398.7 | 1401.0 | 1403.1 | 1404.0 | 1403.7 | 1403.4 | 1403.1 | 1402.8 |
| 10°    | 1387.7 | 1389.8 | 1392.0 | 1392.9 | 1392.6 | 1392.3 | 1392.0 | 1391.7 |
| 12.5°  | 1374.4 | 1376.1 | 1377.8 | 1378.2 | 1377.4 | 1376.6 | 1375.8 | 1375.0 |
| 15°    | 1349.5 | 1351.4 | 1353.2 | 1353.5 | 1352.3 | 1351.0 | 1349.8 | 1348.5 |
| 17.5°  | 1317.8 | 1319.2 | 1320.6 | 1321.0 | 1320.2 | 1319.5 | 1318.8 | 1317.9 |
| 20°    | 1293.4 | 1294.3 | 1295.3 | 1295.7 | 1295.7 | 1295.7 | 1295.7 | 1295.7 |
| 22.5°  | 1268.4 | 1269.5 | 1270.7 | 1270.9 | 1270.2 | 1269.4 | 1268.6 | 1267.9 |
| 25°    | 1228.7 | 1229.9 | 1231.2 | 1231.0 | 1229.5 | 1227.9 | 1226.4 | 1224.9 |
| 27.5°  | 1182.7 | 1183.5 | 1184.4 | 1184.5 | 1183.9 | 1183.4 | 1182.9 | 1182.3 |
| 30°    | 1151.0 | 1151.6 | 1152.3 | 1152.4 | 1152.1 | 1151.7 | 1151.5 | 1151.1 |
| 32.5°  | 1121.0 | 1121.6 | 1122.2 | 1122.4 | 1122.0 | 1121.8 | 1121.4 | 1121.1 |
| 35°    | 1072.4 | 1073.3 | 1074.2 | 1074.7 | 1074.7 | 1074.7 | 1074.7 | 1074.7 |
| 37.5°  | 1021.3 | 1022.5 | 1023.8 | 1024.3 | 1024.1 | 1024.0 | 1024.0 | 1023.8 |
| 40°    | 986.8  | 988.0  | 989.3  | 990.2  | 990.8  | 991.4  | 992.0  | 992.7  |
| 42.5°  | 955.0  | 956.5  | 958.0  | 958.8  | 958.9  | 959.0  | 959.2  | 959.3  |
| 45°    | 903.8  | 906.0  | 908.1  | 909.4  | 909.7  | 910.0  | 910.3  | 910.6  |
| 47.5°  | 851.0  | 854.2  | 857.4  | 859.3  | 860.0  | 860.6  | 861.3  | 862.0  |
| 50°    | 815.9  | 819.3  | 822.8  | 824.9  | 825.8  | 826.8  | 827.7  | 828.6  |
| 52.5°  | 780.9  | 784.5  | 788.1  | 790.3  | 790.9  | 791.7  | 792.4  | 793.0  |
| 55°    | 725.6  | 729.0  | 732.4  | 734.7  | 735.9  | 737.2  | 738.4  | 739.7  |
| 57.5°  | 670.9  | 674.8  | 678.8  | 681.2  | 682.1  | 683.0  | 683.9  | 684.8  |
| 60°    | 633.5  | 638.1  | 642.7  | 645.5  | 646.5  | 647.4  | 648.4  | 649.3  |
| 62.5°  | 595.6  | 600.7  | 605.8  | 608.9  | 610.1  | 611.4  | 612.5  | 613.7  |
| 65°    | 539.0  | 543.6  | 548.2  | 551.2  | 552.4  | 553.7  | 554.9  | 556.1  |
| 67.5°  | 480.9  | 486.5  | 492.1  | 495.7  | 497.3  | 498.9  | 500.6  | 502.2  |
| 70°    | 441.3  | 447.2  | 453.1  | 456.9  | 458.8  | 460.7  | 462.5  | 464.3  |
| 72.5°  | 404.5  | 410.9  | 417.2  | 421.1  | 422.5  | 423.8  | 425.2  | 426.5  |
| 75°    | 348.8  | 355.0  | 361.1  | 365.1  | 366.6  | 368.1  | 369.7  | 371.2  |
| 77.5°  | 293.0  | 299.8  | 306.7  | 310.7  | 311.9  | 313.1  | 314.3  | 315.6  |
| 80°    | 259.7  | 266.4  | 273.3  | 277.3  | 278.5  | 279.7  | 281.0  | 282.2  |
| 82.5°  | 228.0  | 234.6  | 241.1  | 245.5  | 247.7  | 249.9  | 252.2  | 254.4  |
| 85°    | 184.6  | 191.4  | 198.2  | 202.9  | 205.3  | 207.8  | 210.3  | 212.7  |
| 87.5°  | 150.5  | 157.7  | 164.8  | 169.6  | 171.7  | 173.9  | 176.1  | 178.3  |
| 90°    | 133.8  | 141.3  | 148.7  | 154.0  | 156.1  | 158.3  | 160.8  | 162.9  |
| 92.5°  | 179.1  | 170.7  | 167.5  | 167.4  | 165.5  | 166.8  | 168.6  | 170.2  |
| 95°    | 341.7  | 300.6  | 268.6  | 246.6  | 226.4  | 219.1  | 218.7  | 215.9  |
| 97.5°  | 445.0  | 417.9  | 386.6  | 354.1  | 336.7  | 321.2  | 314.1  | 312.2  |
| 100°   | 489.5  | 480.6  | 454.7  | 426.1  | 406.2  | 385.3  | 375.5  | 372.3  |
| 102.5° | 501.5  | 517.3  | 507.9  | 489.8  | 468.4  | 454.1  | 443.4  | 441.4  |
| 105°   | 483.4  | 532.7  | 552.8  | 553.5  | 545.5  | 537.3  | 533.2  | 531.5  |
| 107.5° | 441.0  | 504.8  | 546.5  | 566.9  | 574.0  | 575.9  | 575.7  | 575.1  |
| 110°   | 409.8  | 475.6  | 525.9  | 556.7  | 573.1  | 581.2  | 585.6  | 587.7  |





TEST NUMBER: P333300-940

CATALOG NUMBER: S125DIP-S1270D365U940-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 384.2 | 446.7 | 497.3 | 532.8 | 555.6 | 568.1 | 575.8 | 580.1 |
| 115°   | 351.5 | 405.9 | 454.6 | 492.7 | 519.2 | 536.1 | 546.8 | 552.8 |
| 117.5° | 327.4 | 374.8 | 417.2 | 452.5 | 479.1 | 496.9 | 507.7 | 512.3 |
| 120°   | 313.9 | 357.0 | 396.9 | 428.2 | 453.3 | 470.4 | 480.7 | 485.1 |
| 122.5° | 302.2 | 342.2 | 378.1 | 407.5 | 430.2 | 445.9 | 456.2 | 460.4 |
| 125°   | 285.4 | 322.5 | 354.9 | 380.8 | 400.0 | 414.5 | 423.0 | 427.7 |
| 127.5° | 268.2 | 302.8 | 333.0 | 357.4 | 375.2 | 388.4 | 396.7 | 399.9 |
| 130°   | 258.2 | 290.2 | 319.1 | 342.5 | 359.8 | 371.8 | 379.6 | 383.0 |
| 132.5° | 247.4 | 277.7 | 304.3 | 326.8 | 343.8 | 355.6 | 362.7 | 366.1 |
| 135°   | 231.8 | 257.6 | 281.8 | 302.6 | 318.0 | 329.9 | 337.2 | 340.5 |
| 137.5° | 219.2 | 240.4 | 260.8 | 278.6 | 292.2 | 302.9 | 309.3 | 312.6 |
| 140°   | 211.6 | 229.8 | 247.7 | 263.2 | 276.2 | 285.5 | 291.5 | 294.4 |
| 142.5° | 205.1 | 220.5 | 235.9 | 249.5 | 260.6 | 268.8 | 274.5 | 277.1 |
| 145°   | 197.5 | 208.8 | 220.2 | 230.1 | 238.9 | 245.5 | 250.1 | 252.6 |
| 147.5° | 191.4 | 199.8 | 207.9 | 214.8 | 221.3 | 226.1 | 228.7 | 229.9 |
| 150°   | 188.2 | 195.1 | 201.1 | 206.9 | 212.0 | 216.0 | 217.6 | 218.2 |
| 152.5° | 185.7 | 191.8 | 197.2 | 201.7 | 205.7 | 208.8 | 210.2 | 210.5 |
| 155°   | 181.8 | 186.9 | 191.3 | 194.7 | 197.9 | 200.1 | 201.1 | 201.3 |
| 157.5° | 178.1 | 182.2 | 185.7 | 188.3 | 190.8 | 192.6 | 193.5 | 193.4 |
| 160°   | 175.6 | 178.7 | 181.8 | 184.0 | 186.3 | 187.8 | 188.4 | 188.2 |
| 162.5° | 172.7 | 175.7 | 178.3 | 180.3 | 182.0 | 183.2 | 183.4 | 183.3 |
| 165°   | 168.9 | 171.1 | 173.0 | 174.6 | 175.8 | 176.5 | 176.5 | 176.5 |
| 167.5° | 165.2 | 166.7 | 168.2 | 169.3 | 170.0 | 170.5 | 170.2 | 170.1 |
| 170°   | 163.3 | 164.2 | 165.1 | 165.8 | 166.4 | 166.7 | 166.7 | 166.4 |
| 172.5° | 161.0 | 161.9 | 162.6 | 163.0 | 163.1 | 163.7 | 163.2 | 162.8 |
| 175°   | 158.5 | 158.5 | 159.2 | 159.2 | 159.2 | 159.4 | 158.8 | 158.5 |
| 177.5° | 156.9 | 157.0 | 157.0 | 157.0 | 156.9 | 157.0 | 156.3 | 156.3 |
| 180°   | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 |

(END OF REPORT)