

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: P333615-940

Luminaire Tested: **S125RDIP-S1270D365U940-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333615-940  
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: S125RDIP-S1270D365U940-4F0-1E-UDD-F4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5521.7 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Direct

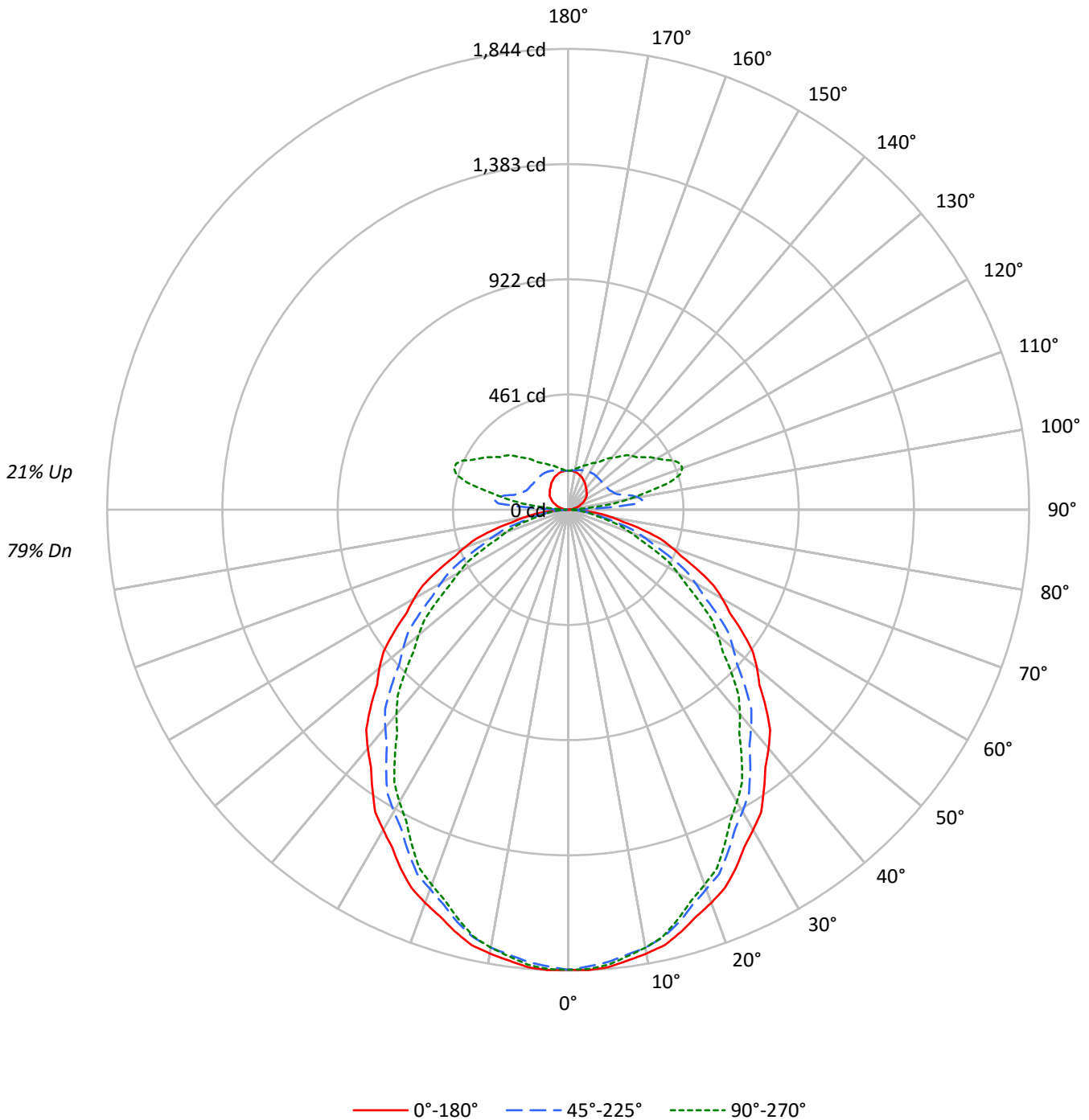
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333615-940

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### Luminous Intensity Polar Plot





TEST NUMBER: P333615-940

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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   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 91 | 91 | 91 | 83 | 83 | 83 | 79 |
| 1   | 105 | 100 | 96  | 93  | 100 | 96  | 92  | 89  | 88 | 85 | 83 | 80 | 78 | 76 | 74 | 72 | 71 | 67 |
| 2   | 96  | 88  | 82  | 76  | 91  | 84  | 79  | 74  | 77 | 73 | 69 | 71 | 67 | 64 | 65 | 62 | 60 | 57 |
| 3   | 87  | 78  | 70  | 64  | 83  | 75  | 68  | 62  | 69 | 63 | 58 | 63 | 59 | 55 | 58 | 54 | 51 | 48 |
| 4   | 80  | 69  | 61  | 55  | 76  | 66  | 59  | 53  | 61 | 55 | 50 | 56 | 51 | 47 | 52 | 48 | 45 | 42 |
| 5   | 74  | 62  | 53  | 47  | 70  | 60  | 52  | 46  | 55 | 49 | 44 | 51 | 46 | 41 | 47 | 43 | 39 | 36 |
| 6   | 68  | 56  | 47  | 41  | 65  | 54  | 46  | 40  | 50 | 43 | 38 | 46 | 41 | 36 | 43 | 38 | 35 | 32 |
| 7   | 63  | 51  | 42  | 37  | 60  | 49  | 41  | 36  | 45 | 39 | 34 | 42 | 37 | 32 | 39 | 34 | 31 | 29 |
| 8   | 59  | 46  | 38  | 33  | 56  | 45  | 37  | 32  | 42 | 35 | 31 | 39 | 33 | 29 | 36 | 31 | 28 | 26 |
| 9   | 55  | 42  | 35  | 29  | 53  | 41  | 34  | 29  | 38 | 32 | 28 | 36 | 30 | 26 | 33 | 29 | 25 | 23 |
| 10  | 52  | 39  | 32  | 27  | 49  | 38  | 31  | 26  | 35 | 29 | 25 | 33 | 28 | 24 | 31 | 26 | 23 | 21 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 11889 | 11889 | 11889 |
| 5°  | 11916 | 11780 | 11852 |
| 10° | 11825 | 11671 | 11671 |
| 15° | 11685 | 11433 | 11340 |
| 20° | 11504 | 11103 | 10970 |
| 25° | 11294 | 10779 | 10541 |
| 30° | 11032 | 10399 | 10068 |
| 35° | 10764 | 10008 | 9536  |
| 40° | 10514 | 9599  | 9014  |
| 45° | 10209 | 9143  | 8444  |
| 50° | 9904  | 8647  | 7850  |
| 55° | 9549  | 8172  | 7218  |
| 60° | 9195  | 7596  | 6536  |
| 65° | 8775  | 6927  | 5757  |
| 70° | 8295  | 6090  | 4962  |
| 75° | 7633  | 5133  | 4127  |
| 80° | 6721  | 4032  | 3466  |
| 85° | 5669  | 3298  | 3090  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 173.1  | 3.1       |
| 10°-20°   | 483.7  | 8.8       |
| 20°-30°   | 701.4  | 12.7      |
| 30°-40°   | 799.4  | 14.5      |
| 40°-50°   | 779.2  | 14.1      |
| 50°-60°   | 655.9  | 11.9      |
| 60°-70°   | 459.8  | 8.3       |
| 70°-80°   | 236.3  | 4.3       |
| 80°-90°   | 60.6   | 1.1       |
| 90°-100°  | 113.3  | 2.1       |
| 100°-110° | 243.6  | 4.4       |
| 110°-120° | 228.6  | 4.1       |
| 120°-130° | 185.2  | 3.4       |
| 130°-140° | 148.7  | 2.7       |
| 140°-150° | 112.2  | 2.0       |
| 150°-160° | 79.0   | 1.4       |
| 160°-170° | 46.5   | 0.8       |
| 170°-180° | 15.1   | 0.3       |
| 0°-30°    | 1358.2 | 24.6      |
| 0°-40°    | 2157.6 | 39.1      |
| 0°-60°    | 3592.8 | 65.1      |
| 0°-90°    | 4349.5 | 78.8      |
| 90°-120°  | 585.4  | 10.6      |
| 90°-150°  | 1031.5 | 18.7      |
| 90°-180°  | 1172.0 | 21.2      |
| 0°-180°   | 5521.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1841 | 1841  | 1841 | 1841  | 1841 |      |
| 5°   | 1838 | 1832  | 1817 | 1830  | 1828 | 174  |
| 15°  | 1748 | 1738  | 1710 | 1708  | 1696 | 492  |
| 25°  | 1585 | 1562  | 1513 | 1495  | 1479 | 729  |
| 35°  | 1365 | 1330  | 1269 | 1230  | 1210 | 854  |
| 45°  | 1118 | 1075  | 1001 | 947   | 924  | 862  |
| 55°  | 848  | 802   | 726  | 665   | 641  | 758  |
| 65°  | 574  | 525   | 453  | 400   | 377  | 569  |
| 75°  | 306  | 263   | 206  | 176   | 165  | 324  |
| 85°  | 76   | 52    | 44   | 43    | 42   | 86   |
| 90°  | 0    | 3     | 5    | 7     | 7    | 4    |
| 95°  | 10   | 31    | 279  | 127   | 74   | 11   |
| 105° | 36   | 50    | 228  | 450   | 418  | 38   |
| 115° | 64   | 77    | 183  | 395   | 465  | 63   |
| 125° | 88   | 103   | 176  | 314   | 366  | 78   |
| 135° | 103  | 124   | 175  | 264   | 304  | 80   |
| 145° | 120  | 138   | 175  | 218   | 240  | 75   |
| 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°     | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 |
| 2.5°   | 1844.1 | 1843.3 | 1842.5 | 1841.8 | 1841.1 | 1839.5 | 1837.0 | 1834.5 | 1832.1 | 1829.6 | 1832.1 |
| 5°     | 1838.0 | 1836.7 | 1835.5 | 1834.2 | 1833.0 | 1830.7 | 1827.3 | 1823.9 | 1820.5 | 1817.1 | 1820.2 |
| 7.5°   | 1819.9 | 1818.7 | 1817.6 | 1816.3 | 1815.2 | 1812.6 | 1808.5 | 1804.4 | 1800.4 | 1796.3 | 1798.4 |
| 10°    | 1803.2 | 1802.2 | 1801.3 | 1800.5 | 1799.5 | 1796.9 | 1792.5 | 1788.2 | 1783.9 | 1779.6 | 1780.5 |
| 12.5°  | 1784.3 | 1783.2 | 1781.9 | 1780.7 | 1779.6 | 1776.1 | 1770.3 | 1764.5 | 1758.6 | 1752.8 | 1753.5 |
| 15°    | 1747.6 | 1745.7 | 1743.9 | 1742.0 | 1740.2 | 1736.0 | 1729.5 | 1723.1 | 1716.5 | 1710.0 | 1709.8 |
| 17.5°  | 1706.1 | 1703.3 | 1700.5 | 1697.6 | 1694.8 | 1689.3 | 1681.1 | 1672.9 | 1664.8 | 1656.6 | 1655.1 |
| 20°    | 1673.9 | 1670.8 | 1667.7 | 1664.6 | 1661.5 | 1655.0 | 1645.2 | 1635.3 | 1625.4 | 1615.5 | 1614.0 |
| 22.5°  | 1638.3 | 1635.2 | 1632.1 | 1629.1 | 1625.9 | 1619.3 | 1608.8 | 1598.5 | 1588.0 | 1577.7 | 1574.7 |
| 25°    | 1584.9 | 1580.3 | 1575.7 | 1571.0 | 1566.4 | 1558.4 | 1546.9 | 1535.5 | 1524.0 | 1512.6 | 1508.6 |
| 27.5°  | 1523.8 | 1518.1 | 1512.5 | 1506.9 | 1501.3 | 1492.4 | 1480.1 | 1467.8 | 1455.6 | 1443.4 | 1437.8 |
| 30°    | 1479.3 | 1473.4 | 1467.5 | 1461.7 | 1455.8 | 1446.4 | 1433.3 | 1420.4 | 1407.4 | 1394.5 | 1387.3 |
| 32.5°  | 1435.9 | 1429.1 | 1422.2 | 1415.3 | 1408.5 | 1398.4 | 1385.2 | 1372.0 | 1358.7 | 1345.5 | 1337.7 |
| 35°    | 1365.3 | 1357.8 | 1350.4 | 1343.0 | 1335.6 | 1324.9 | 1311.0 | 1297.2 | 1283.3 | 1269.4 | 1260.3 |
| 37.5°  | 1296.0 | 1287.0 | 1278.0 | 1269.0 | 1259.9 | 1248.2 | 1233.9 | 1219.6 | 1205.2 | 1190.9 | 1180.2 |
| 40°    | 1247.1 | 1237.8 | 1228.5 | 1219.2 | 1210.1 | 1197.9 | 1183.1 | 1168.3 | 1153.4 | 1138.6 | 1126.9 |
| 42.5°  | 1196.0 | 1186.4 | 1176.9 | 1167.3 | 1157.9 | 1145.4 | 1130.2 | 1114.8 | 1099.5 | 1084.1 | 1072.9 |
| 45°    | 1117.8 | 1108.8 | 1099.8 | 1090.9 | 1081.9 | 1069.0 | 1052.0 | 1035.0 | 1018.0 | 1001.0 | 988.6  |
| 47.5°  | 1036.9 | 1027.4 | 1018.0 | 1008.5 | 999.1  | 985.8  | 968.7  | 951.5  | 934.4  | 917.3  | 904.6  |
| 50°    | 985.7  | 975.5  | 965.3  | 955.1  | 944.9  | 931.0  | 913.4  | 895.8  | 878.2  | 860.6  | 847.6  |
| 52.5°  | 930.1  | 919.6  | 909.2  | 898.8  | 888.3  | 874.8  | 858.2  | 841.6  | 824.9  | 808.3  | 794.3  |
| 55°    | 848.1  | 838.2  | 828.3  | 818.4  | 808.5  | 795.0  | 777.7  | 760.4  | 743.1  | 725.8  | 711.9  |
| 57.5°  | 765.2  | 754.7  | 744.0  | 733.5  | 722.9  | 709.4  | 692.7  | 675.9  | 659.2  | 642.6  | 629.0  |
| 60°    | 711.9  | 701.0  | 690.2  | 679.4  | 668.6  | 654.8  | 638.1  | 621.4  | 604.8  | 588.1  | 574.5  |
| 62.5°  | 655.1  | 644.8  | 634.5  | 624.1  | 613.9  | 600.2  | 583.3  | 566.3  | 549.4  | 532.4  | 519.9  |
| 65°    | 574.2  | 563.7  | 553.2  | 542.7  | 532.2  | 518.7  | 502.4  | 486.0  | 469.6  | 453.3  | 440.9  |
| 67.5°  | 493.8  | 483.3  | 472.8  | 462.4  | 451.8  | 438.7  | 423.0  | 407.3  | 391.6  | 375.9  | 364.6  |
| 70°    | 439.3  | 428.8  | 418.3  | 407.8  | 397.3  | 384.3  | 368.9  | 353.5  | 338.0  | 322.5  | 313.0  |
| 72.5°  | 385.9  | 375.7  | 365.4  | 355.2  | 344.9  | 332.5  | 318.1  | 303.6  | 289.2  | 274.7  | 265.9  |
| 75°    | 305.9  | 296.6  | 287.3  | 278.0  | 268.8  | 257.7  | 244.7  | 231.8  | 218.7  | 205.7  | 198.9  |
| 77.5°  | 226.3  | 218.9  | 211.5  | 204.1  | 196.7  | 187.8  | 177.4  | 167.0  | 156.7  | 146.2  | 141.5  |
| 80°    | 180.7  | 173.3  | 165.9  | 158.5  | 151.1  | 143.0  | 134.4  | 125.7  | 117.1  | 108.4  | 105.7  |
| 82.5°  | 136.3  | 129.6  | 122.9  | 116.2  | 109.6  | 103.3  | 97.3   | 91.4   | 85.4   | 79.5   | 78.2   |
| 85°    | 76.5   | 70.9   | 65.4   | 59.7   | 54.2   | 50.6   | 49.1   | 47.6   | 46.0   | 44.5   | 44.1   |
| 87.5°  | 25.7   | 24.0   | 22.4   | 20.8   | 19.2   | 18.3   | 18.1   | 18.0   | 17.8   | 17.7   | 17.7   |
| 90°    | 0.4    | 0.6    | 1.2    | 1.9    | 2.5    | 3.1    | 3.5    | 4.1    | 4.4    | 5.1    | 5.4    |
| 92.5°  | 3.8    | 4.6    | 7.3    | 11.2   | 16.7   | 25.9   | 43.1   | 71.9   | 103.3  | 101.6  | 82.2   |
| 95°    | 10.4   | 10.7   | 13.2   | 16.7   | 23.6   | 37.8   | 71.5   | 140.9  | 227.8  | 279.2  | 273.2  |
| 97.5°  | 17.3   | 17.7   | 19.4   | 22.9   | 29.2   | 39.3   | 61.6   | 112.4  | 203.5  | 298.2  | 345.7  |
| 100°   | 22.0   | 22.6   | 24.0   | 27.4   | 33.4   | 42.9   | 61.2   | 102.1  | 181.6  | 284.5  | 363.4  |
| 102.5° | 27.4   | 27.7   | 28.7   | 32.5   | 38.0   | 47.2   | 63.4   | 97.8   | 164.9  | 260.6  | 352.8  |
| 105°   | 35.6   | 35.6   | 37.2   | 40.3   | 45.4   | 54.2   | 68.0   | 96.1   | 148.7  | 228.5  | 319.0  |
| 107.5° | 43.7   | 44.3   | 45.8   | 48.4   | 53.7   | 61.6   | 75.0   | 99.0   | 142.0  | 206.3  | 284.4  |
| 110°   | 49.5   | 50.1   | 51.4   | 54.2   | 58.9   | 67.1   | 80.1   | 101.8  | 139.9  | 196.0  | 264.7  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 55.3  | 55.9  | 56.9  | 59.7  | 64.5  | 72.4  | 84.8  | 105.3 | 139.9 | 189.9 | 250.1 |
| 115°   | 63.7  | 64.3  | 65.3  | 68.0  | 72.8  | 80.7  | 92.4  | 110.6 | 140.9 | 183.4 | 234.2 |
| 117.5° | 71.2  | 72.1  | 73.2  | 76.0  | 81.4  | 89.0  | 100.0 | 116.6 | 142.9 | 180.2 | 224.6 |
| 120°   | 76.2  | 77.2  | 78.5  | 81.3  | 86.7  | 94.5  | 105.6 | 120.7 | 145.0 | 178.7 | 219.4 |
| 122.5° | 81.6  | 82.2  | 83.3  | 86.1  | 91.9  | 99.9  | 110.8 | 125.2 | 146.7 | 177.5 | 214.8 |
| 125°   | 88.3  | 88.9  | 90.4  | 93.3  | 99.2  | 107.5 | 117.9 | 131.4 | 149.7 | 175.8 | 208.7 |
| 127.5° | 93.5  | 94.4  | 96.4  | 100.0 | 106.4 | 114.6 | 124.6 | 137.1 | 153.0 | 175.1 | 203.0 |
| 130°   | 96.8  | 97.7  | 100.2 | 104.3 | 110.9 | 119.1 | 128.9 | 140.9 | 155.1 | 174.6 | 199.2 |
| 132.5° | 99.2  | 100.5 | 103.5 | 108.1 | 114.9 | 123.1 | 133.0 | 144.2 | 157.3 | 174.6 | 196.2 |
| 135°   | 103.3 | 104.6 | 108.4 | 113.4 | 120.1 | 128.6 | 138.3 | 148.7 | 160.4 | 174.6 | 192.5 |
| 137.5° | 108.5 | 109.5 | 113.0 | 118.1 | 124.6 | 133.3 | 142.2 | 152.1 | 163.3 | 175.0 | 189.3 |
| 140°   | 111.6 | 112.5 | 116.3 | 121.4 | 127.3 | 135.8 | 145.0 | 154.4 | 164.5 | 175.2 | 187.8 |
| 142.5° | 115.1 | 115.7 | 119.3 | 124.4 | 130.1 | 138.1 | 146.7 | 155.7 | 165.2 | 175.5 | 186.5 |
| 145°   | 120.4 | 121.0 | 124.1 | 128.6 | 134.3 | 141.5 | 149.7 | 157.6 | 166.0 | 175.2 | 184.7 |
| 147.5° | 125.9 | 126.3 | 129.0 | 133.1 | 138.0 | 144.4 | 151.6 | 158.7 | 166.4 | 174.4 | 182.7 |
| 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°     | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 | 1840.8 |
| 2.5°   | 1834.5 | 1837.0 | 1839.5 | 1840.6 | 1840.4 | 1840.1 | 1839.9 | 1839.6 |
| 5°     | 1823.3 | 1826.4 | 1829.4 | 1830.7 | 1830.1 | 1829.4 | 1828.8 | 1828.2 |
| 7.5°   | 1800.5 | 1802.8 | 1804.9 | 1805.6 | 1804.9 | 1804.3 | 1803.6 | 1803.0 |
| 10°    | 1781.4 | 1782.4 | 1783.2 | 1783.2 | 1782.4 | 1781.4 | 1780.5 | 1779.6 |
| 12.5°  | 1754.3 | 1754.9 | 1755.6 | 1755.2 | 1753.8 | 1752.4 | 1751.0 | 1749.5 |
| 15°    | 1709.4 | 1709.1 | 1708.8 | 1707.3 | 1704.5 | 1701.7 | 1698.9 | 1696.1 |
| 17.5°  | 1653.6 | 1652.0 | 1650.5 | 1648.6 | 1646.3 | 1644.0 | 1641.7 | 1639.4 |
| 20°    | 1612.4 | 1610.9 | 1609.4 | 1607.1 | 1604.4 | 1601.6 | 1598.8 | 1596.1 |
| 22.5°  | 1571.6 | 1568.6 | 1565.6 | 1562.9 | 1560.7 | 1558.4 | 1556.0 | 1553.8 |
| 25°    | 1504.6 | 1500.6 | 1496.6 | 1492.8 | 1489.4 | 1486.0 | 1482.6 | 1479.3 |
| 27.5°  | 1432.2 | 1426.6 | 1420.9 | 1416.5 | 1413.2 | 1409.9 | 1406.6 | 1403.4 |
| 30°    | 1380.3 | 1373.1 | 1366.0 | 1361.1 | 1358.3 | 1355.5 | 1352.7 | 1350.0 |
| 32.5°  | 1329.8 | 1322.0 | 1314.1 | 1308.4 | 1304.9 | 1301.4 | 1297.9 | 1294.3 |
| 35°    | 1251.4 | 1242.4 | 1233.5 | 1226.8 | 1222.5 | 1218.2 | 1213.9 | 1209.5 |
| 37.5°  | 1169.4 | 1158.7 | 1147.9 | 1140.4 | 1136.2 | 1132.0 | 1127.8 | 1123.6 |
| 40°    | 1115.2 | 1103.4 | 1091.7 | 1084.0 | 1080.2 | 1076.6 | 1072.8 | 1069.2 |
| 42.5°  | 1061.7 | 1050.4 | 1039.2 | 1030.8 | 1025.4 | 1019.9 | 1014.5 | 1009.1 |
| 45°    | 976.2  | 963.9  | 951.5  | 943.1  | 938.4  | 933.8  | 929.2  | 924.5  |
| 47.5°  | 891.9  | 879.1  | 866.4  | 857.5  | 852.3  | 847.2  | 842.0  | 837.0  |
| 50°    | 834.6  | 821.6  | 808.7  | 799.9  | 795.2  | 790.6  | 786.0  | 781.3  |
| 52.5°  | 780.3  | 766.4  | 752.4  | 743.2  | 738.5  | 733.9  | 729.2  | 724.6  |
| 55°    | 697.9  | 684.0  | 670.1  | 660.7  | 655.8  | 650.8  | 645.9  | 641.0  |
| 57.5°  | 615.4  | 601.8  | 588.2  | 579.3  | 574.8  | 570.4  | 566.1  | 561.7  |
| 60°    | 560.9  | 547.3  | 533.7  | 524.6  | 520.0  | 515.3  | 510.7  | 506.0  |
| 62.5°  | 507.3  | 494.6  | 482.1  | 473.4  | 468.8  | 464.1  | 459.5  | 454.9  |
| 65°    | 428.6  | 416.2  | 403.8  | 395.3  | 390.7  | 386.0  | 381.4  | 376.7  |
| 67.5°  | 353.3  | 342.0  | 330.7  | 323.2  | 319.5  | 315.8  | 312.1  | 308.4  |
| 70°    | 303.4  | 293.8  | 284.3  | 277.6  | 273.8  | 270.2  | 266.4  | 262.8  |
| 72.5°  | 257.1  | 248.3  | 239.3  | 233.7  | 231.2  | 228.8  | 226.3  | 223.8  |
| 75°    | 192.2  | 185.4  | 178.6  | 174.1  | 171.9  | 169.8  | 167.6  | 165.4  |
| 77.5°  | 136.7  | 132.0  | 127.2  | 124.0  | 122.4  | 120.8  | 119.2  | 117.6  |
| 80°    | 102.9  | 100.1  | 97.3   | 95.6   | 95.0   | 94.3   | 93.8   | 93.2   |
| 82.5°  | 77.0   | 75.6   | 74.4   | 73.5   | 73.1   | 72.8   | 72.4   | 72.1   |
| 85°    | 43.9   | 43.6   | 43.2   | 43.0   | 42.6   | 42.4   | 42.0   | 41.7   |
| 87.5°  | 17.8   | 17.9   | 17.9   | 17.9   | 17.7   | 17.5   | 17.3   | 17.0   |
| 90°    | 5.7    | 6.0    | 6.3    | 7.0    | 7.0    | 7.0    | 7.2    | 7.2    |
| 92.5°  | 55.8   | 40.5   | 30.5   | 25.9   | 21.8   | 21.0   | 20.6   | 20.1   |
| 95°    | 226.6  | 178.7  | 139.9  | 113.4  | 91.0   | 81.6   | 79.1   | 74.1   |
| 97.5°  | 337.4  | 303.9  | 266.1  | 229.3  | 209.8  | 192.2  | 183.1  | 179.0  |
| 100°   | 387.6  | 372.2  | 339.7  | 306.9  | 285.2  | 262.5  | 250.8  | 245.8  |
| 102.5° | 404.5  | 414.0  | 398.5  | 376.3  | 353.0  | 336.9  | 324.2  | 320.5  |
| 105°   | 394.6  | 437.7  | 451.6  | 448.2  | 438.0  | 427.7  | 421.3  | 417.6  |
| 107.5° | 359.0  | 416.6  | 452.2  | 468.7  | 473.8  | 473.8  | 471.6  | 469.1  |
| 110°   | 332.8  | 392.7  | 437.1  | 463.9  | 478.0  | 484.0  | 486.2  | 486.2  |





TEST NUMBER: P333615-940

CATALOG NUMBER: S125RDIP-S1270D365U940-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 312.1 | 369.0 | 413.9 | 445.5 | 466.2 | 476.5 | 482.0 | 484.3 |
| 115°   | 286.1 | 335.0 | 378.2 | 412.5 | 437.1 | 452.2 | 461.0 | 465.1 |
| 117.5° | 269.4 | 311.5 | 348.7 | 380.2 | 404.7 | 420.4 | 429.2 | 431.7 |
| 120°   | 260.3 | 298.1 | 332.8 | 360.5 | 383.9 | 399.0 | 407.5 | 410.0 |
| 122.5° | 253.5 | 288.6 | 319.4 | 345.4 | 366.2 | 380.0 | 388.6 | 390.8 |
| 125°   | 243.6 | 275.7 | 303.2 | 325.8 | 343.5 | 356.4 | 363.4 | 366.5 |
| 127.5° | 233.5 | 263.5 | 289.1 | 310.3 | 326.4 | 337.8 | 344.3 | 345.7 |
| 130°   | 227.2 | 254.9 | 279.6 | 300.1 | 315.8 | 326.2 | 332.5 | 334.4 |
| 132.5° | 220.9 | 246.9 | 269.2 | 288.9 | 304.7 | 315.0 | 320.8 | 323.0 |
| 135°   | 212.8 | 234.4 | 254.7 | 272.6 | 286.5 | 296.9 | 302.6 | 304.4 |
| 137.5° | 205.8 | 223.4 | 240.1 | 255.4 | 267.8 | 277.2 | 282.5 | 284.5 |
| 140°   | 202.0 | 216.8 | 231.3 | 244.5 | 256.2 | 264.4 | 269.1 | 270.7 |
| 142.5° | 198.8 | 211.2 | 223.7 | 235.2 | 245.1 | 252.1 | 256.5 | 257.9 |
| 145°   | 194.5 | 204.2 | 214.0 | 222.5 | 230.1 | 235.4 | 238.9 | 240.1 |
| 147.5° | 190.4 | 198.3 | 205.9 | 212.3 | 218.3 | 222.6 | 224.5 | 225.2 |
| 150°   | 188.2 | 195.1 | 201.1 | 206.7 | 211.4 | 215.3 | 216.5 | 216.8 |
| 152.5° | 185.7 | 191.8 | 197.2 | 201.7 | 205.6 | 208.7 | 209.9 | 210.3 |
| 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)