

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: P333615-840

Luminaire Tested: **S125RDIP-S1270D365U840-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333615-840  
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-S1270D365U840-4F0-1E-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: 6253.3 lumens  
Efficiency: N/A  
Efficacy: 125.6 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

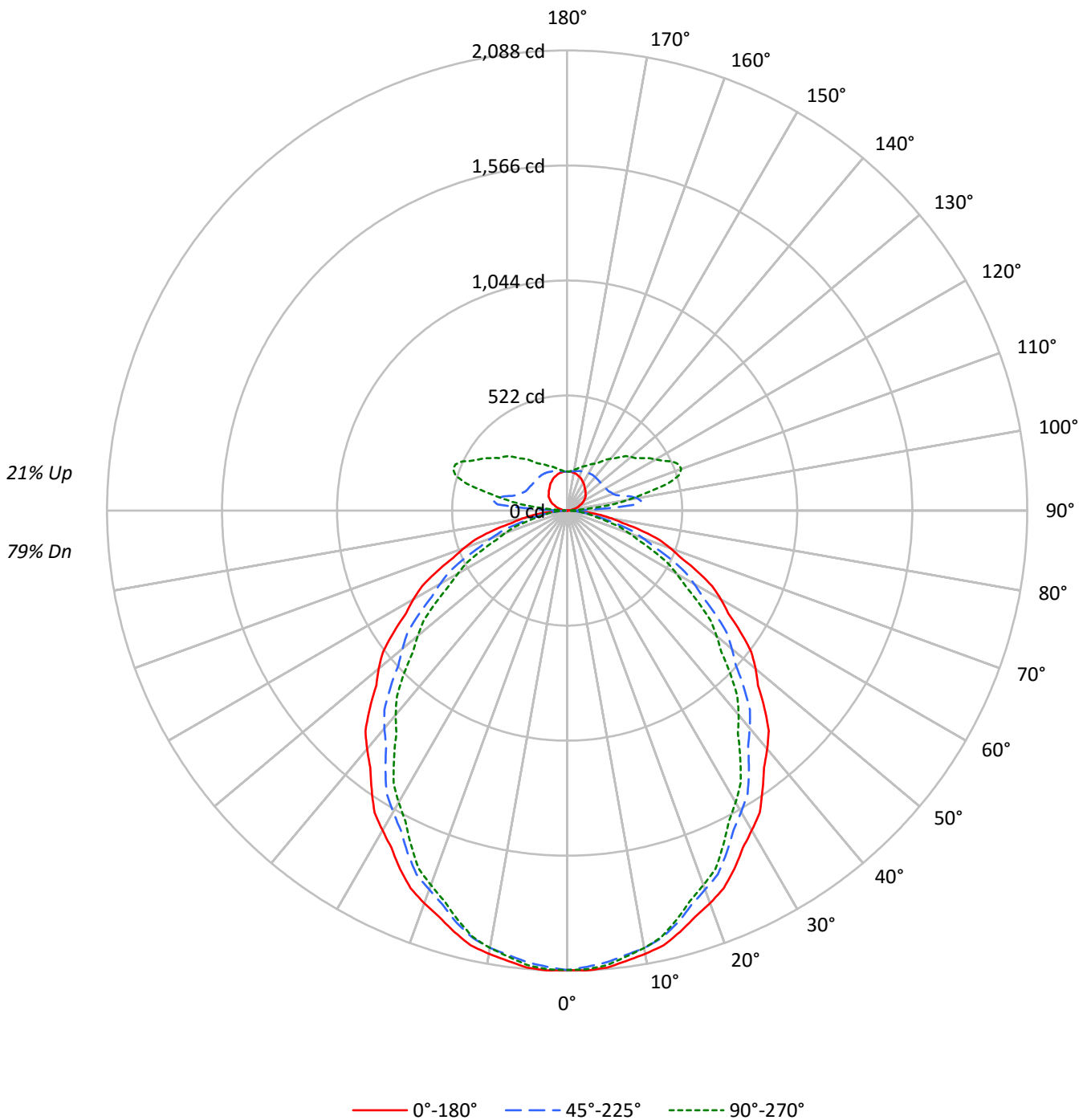
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333615-840

CATALOG NUMBER: S125RDIP-S1270D365U840-4F0-1E-UDD-F4

### Luminous Intensity Polar Plot





TEST NUMBER: P333615-840

CATALOG NUMBER: S125RDIP-S1270D365U840-4F0-1E-UDD-F4

**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 | 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°  | 13464 | 13464 | 13464 |
| 5°  | 13494 | 13341 | 13422 |
| 10° | 13392 | 13217 | 13217 |
| 15° | 13233 | 12948 | 12843 |
| 20° | 13029 | 12575 | 12423 |
| 25° | 12790 | 12207 | 11938 |
| 30° | 12493 | 11777 | 11401 |
| 35° | 12191 | 11334 | 10800 |
| 40° | 11907 | 10871 | 10208 |
| 45° | 11562 | 10355 | 9563  |
| 50° | 11216 | 9792  | 8890  |
| 55° | 10815 | 9254  | 8173  |
| 60° | 10413 | 8603  | 7403  |
| 65° | 9938  | 7844  | 6521  |
| 70° | 9396  | 6898  | 5620  |
| 75° | 8644  | 5814  | 4674  |
| 80° | 7613  | 4567  | 3924  |
| 85° | 6417  | 3735  | 3505  |



TEST NUMBER: P333615-840

CATALOG NUMBER: S125RDIP-S1270D365U840-4F0-1E-UDD-F4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 196.0  | 3.1       |
| 10°-20°   | 547.8  | 8.8       |
| 20°-30°   | 794.4  | 12.7      |
| 30°-40°   | 905.3  | 14.5      |
| 40°-50°   | 882.5  | 14.1      |
| 50°-60°   | 742.8  | 11.9      |
| 60°-70°   | 520.7  | 8.3       |
| 70°-80°   | 267.7  | 4.3       |
| 80°-90°   | 68.6   | 1.1       |
| 90°-100°  | 128.3  | 2.1       |
| 100°-110° | 275.8  | 4.4       |
| 110°-120° | 258.9  | 4.1       |
| 120°-130° | 209.8  | 3.4       |
| 130°-140° | 168.4  | 2.7       |
| 140°-150° | 127.0  | 2.0       |
| 150°-160° | 89.4   | 1.4       |
| 160°-170° | 52.7   | 0.8       |
| 170°-180° | 17.1   | 0.3       |
| 0°-30°    | 1538.2 | 24.6      |
| 0°-40°    | 2443.5 | 39.1      |
| 0°-60°    | 4068.9 | 65.1      |
| 0°-90°    | 4925.8 | 78.8      |
| 90°-120°  | 663.0  | 10.6      |
| 90°-150°  | 1168.2 | 18.7      |
| 90°-180°  | 1328.0 | 21.2      |
| 0°-180°   | 6253.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 2085 | 2085  | 2085 | 2085  | 2085 |      |
| 5°   | 2082 | 2075  | 2058 | 2073  | 2070 | 197  |
| 15°  | 1979 | 1968  | 1937 | 1934  | 1921 | 558  |
| 25°  | 1795 | 1769  | 1713 | 1693  | 1675 | 826  |
| 35°  | 1546 | 1507  | 1438 | 1393  | 1370 | 968  |
| 45°  | 1266 | 1218  | 1134 | 1073  | 1047 | 976  |
| 55°  | 960  | 908   | 822  | 754   | 726  | 859  |
| 65°  | 650  | 595   | 513  | 452   | 427  | 644  |
| 75°  | 346  | 298   | 233  | 200   | 187  | 367  |
| 85°  | 87   | 59    | 50   | 49    | 47   | 97   |
| 90°  | 0    | 3     | 6    | 8     | 8    | 5    |
| 95°  | 12   | 35    | 316  | 143   | 84   | 13   |
| 105° | 40   | 56    | 259  | 510   | 473  | 43   |
| 115° | 72   | 87    | 208  | 448   | 527  | 71   |
| 125° | 100  | 117   | 199  | 356   | 415  | 89   |
| 135° | 117  | 141   | 198  | 299   | 345  | 91   |
| 145° | 136  | 156   | 198  | 247   | 272  | 85   |
| 155° | 156  | 167   | 194  | 219   | 228  | 72   |
| 165° | 170  | 175   | 186  | 197   | 200  | 48   |
| 175° | 177  | 177   | 178  | 180   | 180  | 17   |
| 180° | 177  | 177   | 177  | 177   | 177  |      |



TEST NUMBER: P333615-840

CATALOG NUMBER: S125RDIP-S1270D365U840-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 |
| 2.5°   | 2088.4 | 2087.6 | 2086.7 | 2085.9 | 2085.1 | 2083.3 | 2080.4 | 2077.6 | 2074.9 | 2072.0 | 2074.9 |
| 5°     | 2081.5 | 2080.1 | 2078.7 | 2077.3 | 2075.9 | 2073.3 | 2069.4 | 2065.6 | 2061.7 | 2057.9 | 2061.3 |
| 7.5°   | 2061.0 | 2059.7 | 2058.4 | 2057.0 | 2055.7 | 2052.8 | 2048.1 | 2043.5 | 2038.9 | 2034.3 | 2036.7 |
| 10°    | 2042.1 | 2041.0 | 2040.0 | 2039.0 | 2037.9 | 2035.0 | 2030.0 | 2025.2 | 2020.2 | 2015.4 | 2016.4 |
| 12.5°  | 2020.7 | 2019.4 | 2018.0 | 2016.7 | 2015.4 | 2011.4 | 2004.9 | 1998.3 | 1991.7 | 1985.1 | 1985.9 |
| 15°    | 1979.1 | 1977.0 | 1975.0 | 1972.9 | 1970.8 | 1966.0 | 1958.6 | 1951.4 | 1944.0 | 1936.6 | 1936.3 |
| 17.5°  | 1932.2 | 1929.0 | 1925.8 | 1922.6 | 1919.3 | 1913.1 | 1903.9 | 1894.6 | 1885.4 | 1876.1 | 1874.4 |
| 20°    | 1895.7 | 1892.2 | 1888.6 | 1885.2 | 1881.7 | 1874.3 | 1863.2 | 1852.0 | 1840.8 | 1829.6 | 1827.9 |
| 22.5°  | 1855.4 | 1851.9 | 1848.4 | 1844.9 | 1841.4 | 1833.8 | 1822.0 | 1810.3 | 1798.5 | 1786.8 | 1783.3 |
| 25°    | 1794.9 | 1789.7 | 1784.4 | 1779.2 | 1773.9 | 1764.8 | 1751.9 | 1739.0 | 1726.0 | 1713.0 | 1708.5 |
| 27.5°  | 1725.7 | 1719.3 | 1712.9 | 1706.6 | 1700.2 | 1690.1 | 1676.2 | 1662.3 | 1648.5 | 1634.7 | 1628.3 |
| 30°    | 1675.3 | 1668.6 | 1661.9 | 1655.4 | 1648.7 | 1638.0 | 1623.3 | 1608.6 | 1593.9 | 1579.2 | 1571.1 |
| 32.5°  | 1626.2 | 1618.4 | 1610.6 | 1602.9 | 1595.1 | 1583.7 | 1568.7 | 1553.8 | 1538.7 | 1523.8 | 1514.9 |
| 35°    | 1546.2 | 1537.7 | 1529.3 | 1521.0 | 1512.6 | 1500.5 | 1484.7 | 1469.1 | 1453.3 | 1437.5 | 1427.3 |
| 37.5°  | 1467.7 | 1457.5 | 1447.3 | 1437.1 | 1426.8 | 1413.6 | 1397.5 | 1381.2 | 1364.9 | 1348.7 | 1336.6 |
| 40°    | 1412.3 | 1401.8 | 1391.3 | 1380.8 | 1370.4 | 1356.7 | 1339.9 | 1323.1 | 1306.3 | 1289.5 | 1276.3 |
| 42.5°  | 1354.4 | 1343.6 | 1332.8 | 1322.0 | 1311.3 | 1297.2 | 1279.9 | 1262.5 | 1245.2 | 1227.8 | 1215.1 |
| 45°    | 1265.9 | 1255.8 | 1245.6 | 1235.5 | 1225.3 | 1210.6 | 1191.3 | 1172.2 | 1152.9 | 1133.7 | 1119.6 |
| 47.5°  | 1174.3 | 1163.6 | 1152.9 | 1142.2 | 1131.5 | 1116.4 | 1097.0 | 1077.6 | 1058.2 | 1038.8 | 1024.4 |
| 50°    | 1116.3 | 1104.8 | 1093.2 | 1081.7 | 1070.2 | 1054.4 | 1034.4 | 1014.5 | 994.5  | 974.6  | 959.9  |
| 52.5°  | 1053.3 | 1041.5 | 1029.7 | 1017.8 | 1006.0 | 990.7  | 971.9  | 953.1  | 934.2  | 915.4  | 899.6  |
| 55°    | 960.5  | 949.3  | 938.1  | 926.9  | 915.6  | 900.3  | 880.7  | 861.1  | 841.5  | 821.9  | 806.2  |
| 57.5°  | 866.6  | 854.6  | 842.6  | 830.7  | 818.7  | 803.3  | 784.5  | 765.5  | 746.6  | 727.7  | 712.4  |
| 60°    | 806.2  | 793.9  | 781.6  | 769.4  | 757.2  | 741.5  | 722.7  | 703.8  | 684.9  | 666.0  | 650.7  |
| 62.5°  | 741.9  | 730.2  | 718.5  | 706.8  | 695.2  | 679.7  | 660.6  | 641.4  | 622.2  | 603.0  | 588.8  |
| 65°    | 650.3  | 638.3  | 626.5  | 614.6  | 602.7  | 587.4  | 569.0  | 550.4  | 531.8  | 513.3  | 499.3  |
| 67.5°  | 559.3  | 547.3  | 535.4  | 523.6  | 511.7  | 496.9  | 479.1  | 461.3  | 443.5  | 425.8  | 412.9  |
| 70°    | 497.6  | 485.6  | 473.7  | 461.8  | 450.0  | 435.3  | 417.8  | 400.3  | 382.7  | 365.3  | 354.5  |
| 72.5°  | 437.1  | 425.5  | 413.8  | 402.2  | 390.6  | 376.6  | 360.2  | 343.9  | 327.5  | 311.1  | 301.1  |
| 75°    | 346.4  | 335.9  | 325.4  | 314.9  | 304.4  | 291.9  | 277.1  | 262.5  | 247.7  | 233.0  | 225.3  |
| 77.5°  | 256.3  | 247.9  | 239.5  | 231.2  | 222.8  | 212.7  | 200.9  | 189.1  | 177.4  | 165.6  | 160.3  |
| 80°    | 204.7  | 196.3  | 187.9  | 179.5  | 171.1  | 162.0  | 152.2  | 142.4  | 132.6  | 122.8  | 119.7  |
| 82.5°  | 154.3  | 146.7  | 139.2  | 131.6  | 124.1  | 116.9  | 110.2  | 103.5  | 96.7   | 90.1   | 88.6   |
| 85°    | 86.6   | 80.3   | 74.0   | 67.7   | 61.4   | 57.4   | 55.6   | 53.9   | 52.1   | 50.4   | 50.0   |
| 87.5°  | 29.1   | 27.2   | 25.3   | 23.5   | 21.7   | 20.7   | 20.5   | 20.4   | 20.2   | 20.0   | 20.1   |
| 90°    | 0.4    | 0.7    | 1.4    | 2.1    | 2.8    | 3.5    | 3.9    | 4.6    | 4.9    | 5.8    | 6.1    |
| 92.5°  | 4.3    | 5.3    | 8.3    | 12.7   | 18.9   | 29.3   | 48.8   | 81.4   | 116.9  | 115.0  | 93.1   |
| 95°    | 11.8   | 12.1   | 14.9   | 18.9   | 26.8   | 42.8   | 81.0   | 159.6  | 258.0  | 316.2  | 309.4  |
| 97.5°  | 19.6   | 20.0   | 22.0   | 26.0   | 33.0   | 44.5   | 69.8   | 127.3  | 230.5  | 337.7  | 391.5  |
| 100°   | 24.9   | 25.7   | 27.2   | 31.0   | 37.9   | 48.6   | 69.3   | 115.6  | 205.6  | 322.2  | 411.5  |
| 102.5° | 31.0   | 31.4   | 32.5   | 36.8   | 43.0   | 53.4   | 71.8   | 110.8  | 186.7  | 295.2  | 399.5  |
| 105°   | 40.3   | 40.3   | 42.1   | 45.6   | 51.4   | 61.4   | 77.1   | 108.9  | 168.4  | 258.7  | 361.2  |
| 107.5° | 49.5   | 50.2   | 51.9   | 54.8   | 60.8   | 69.8   | 84.9   | 112.1  | 160.8  | 233.7  | 322.0  |
| 110°   | 56.0   | 56.8   | 58.2   | 61.4   | 66.8   | 76.0   | 90.7   | 115.3  | 158.4  | 222.0  | 299.8  |



TEST NUMBER: P333615-840

CATALOG NUMBER: S125RDIP-S1270D365U840-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 62.6  | 63.3  | 64.4  | 67.7  | 73.0  | 82.0  | 96.0  | 119.3 | 158.4 | 215.1 | 283.3 |
| 115°   | 72.1  | 72.8  | 73.9  | 77.1  | 82.4  | 91.4  | 104.6 | 125.2 | 159.6 | 207.7 | 265.2 |
| 117.5° | 80.7  | 81.7  | 82.9  | 86.0  | 92.2  | 100.8 | 113.3 | 132.1 | 161.9 | 204.1 | 254.4 |
| 120°   | 86.3  | 87.5  | 88.9  | 92.1  | 98.2  | 107.0 | 119.6 | 136.7 | 164.2 | 202.4 | 248.4 |
| 122.5° | 92.4  | 93.1  | 94.3  | 97.6  | 104.1 | 113.1 | 125.5 | 141.8 | 166.1 | 201.0 | 243.3 |
| 125°   | 100.0 | 100.7 | 102.4 | 105.6 | 112.4 | 121.7 | 133.5 | 148.9 | 169.6 | 199.1 | 236.3 |
| 127.5° | 105.8 | 106.9 | 109.2 | 113.3 | 120.5 | 129.8 | 141.1 | 155.2 | 173.3 | 198.3 | 229.8 |
| 130°   | 109.6 | 110.7 | 113.5 | 118.2 | 125.6 | 134.9 | 145.9 | 159.6 | 175.6 | 197.7 | 225.6 |
| 132.5° | 112.4 | 113.8 | 117.2 | 122.4 | 130.2 | 139.5 | 150.6 | 163.3 | 178.1 | 197.7 | 222.2 |
| 135°   | 117.0 | 118.5 | 122.8 | 128.5 | 136.0 | 145.6 | 156.6 | 168.4 | 181.7 | 197.7 | 218.0 |
| 137.5° | 122.9 | 124.0 | 127.9 | 133.7 | 141.1 | 151.0 | 161.1 | 172.3 | 184.9 | 198.1 | 214.4 |
| 140°   | 126.3 | 127.4 | 131.7 | 137.4 | 144.2 | 153.8 | 164.2 | 174.9 | 186.3 | 198.4 | 212.7 |
| 142.5° | 130.4 | 131.1 | 135.1 | 140.9 | 147.3 | 156.4 | 166.1 | 176.3 | 187.1 | 198.7 | 211.3 |
| 145°   | 136.3 | 137.0 | 140.6 | 145.6 | 152.1 | 160.3 | 169.6 | 178.4 | 188.0 | 198.4 | 209.1 |
| 147.5° | 142.6 | 143.0 | 146.1 | 150.8 | 156.3 | 163.5 | 171.7 | 179.8 | 188.4 | 197.5 | 206.9 |
| 150°   | 146.3 | 147.0 | 149.6 | 154.2 | 159.2 | 165.2 | 173.1 | 180.6 | 188.4 | 196.6 | 205.2 |
| 152.5° | 150.4 | 150.8 | 153.0 | 157.0 | 161.8 | 167.2 | 174.5 | 181.2 | 188.1 | 195.5 | 203.2 |
| 155°   | 155.6 | 155.6 | 157.7 | 161.3 | 164.9 | 169.9 | 175.9 | 181.7 | 187.3 | 193.5 | 199.9 |
| 157.5° | 160.4 | 160.3 | 162.0 | 165.0 | 168.1 | 172.0 | 177.1 | 182.0 | 186.4 | 191.3 | 196.7 |
| 160°   | 163.5 | 163.1 | 164.5 | 167.0 | 169.9 | 173.1 | 177.7 | 182.0 | 185.6 | 189.9 | 194.2 |
| 162.5° | 166.0 | 165.7 | 167.1 | 169.4 | 171.6 | 174.2 | 178.3 | 181.8 | 184.7 | 188.1 | 191.9 |
| 165°   | 169.9 | 169.2 | 170.3 | 172.0 | 173.5 | 175.6 | 178.4 | 181.3 | 183.5 | 185.6 | 188.4 |
| 167.5° | 172.5 | 172.1 | 172.8 | 173.7 | 174.7 | 176.1 | 178.4 | 180.5 | 181.5 | 183.1 | 185.1 |
| 170°   | 174.2 | 173.8 | 174.2 | 174.9 | 175.6 | 176.6 | 178.4 | 179.9 | 180.6 | 181.7 | 183.1 |
| 172.5° | 175.3 | 174.7 | 175.0 | 175.7 | 176.1 | 176.6 | 178.1 | 179.4 | 179.5 | 180.0 | 181.1 |
| 175°   | 176.6 | 175.9 | 176.3 | 176.6 | 176.6 | 176.6 | 177.7 | 178.4 | 178.1 | 178.1 | 178.4 |
| 177.5° | 177.3 | 176.7 | 176.7 | 177.0 | 176.7 | 176.7 | 177.3 | 177.6 | 177.0 | 177.0 | 177.3 |
| 180°   | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 |



TEST NUMBER: P333615-840

CATALOG NUMBER: S125RDIP-S1270D365U840-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 | 2084.7 |
| 2.5°   | 2077.6 | 2080.4 | 2083.3 | 2084.5 | 2084.3 | 2084.0 | 2083.7 | 2083.4 |
| 5°     | 2064.9 | 2068.4 | 2071.8 | 2073.3 | 2072.5 | 2071.8 | 2071.1 | 2070.4 |
| 7.5°   | 2039.1 | 2041.6 | 2044.1 | 2044.9 | 2044.1 | 2043.4 | 2042.6 | 2041.8 |
| 10°    | 2017.4 | 2018.5 | 2019.5 | 2019.5 | 2018.5 | 2017.4 | 2016.4 | 2015.4 |
| 12.5°  | 1986.7 | 1987.4 | 1988.2 | 1987.8 | 1986.2 | 1984.6 | 1983.0 | 1981.4 |
| 15°    | 1935.9 | 1935.6 | 1935.2 | 1933.5 | 1930.4 | 1927.2 | 1924.0 | 1920.9 |
| 17.5°  | 1872.7 | 1870.9 | 1869.2 | 1867.0 | 1864.4 | 1861.8 | 1859.3 | 1856.6 |
| 20°    | 1826.0 | 1824.3 | 1822.6 | 1820.1 | 1816.9 | 1813.8 | 1810.7 | 1807.6 |
| 22.5°  | 1779.9 | 1776.5 | 1773.0 | 1770.0 | 1767.5 | 1764.8 | 1762.2 | 1759.7 |
| 25°    | 1703.9 | 1699.4 | 1694.9 | 1690.6 | 1686.8 | 1682.9 | 1679.1 | 1675.3 |
| 27.5°  | 1621.9 | 1615.6 | 1609.2 | 1604.2 | 1600.4 | 1596.7 | 1593.0 | 1589.3 |
| 30°    | 1563.2 | 1555.1 | 1547.0 | 1541.5 | 1538.3 | 1535.1 | 1532.0 | 1528.8 |
| 32.5°  | 1506.0 | 1497.1 | 1488.2 | 1481.8 | 1477.8 | 1473.8 | 1469.9 | 1465.8 |
| 35°    | 1417.2 | 1407.0 | 1396.9 | 1389.4 | 1384.5 | 1379.6 | 1374.7 | 1369.8 |
| 37.5°  | 1324.3 | 1312.2 | 1300.0 | 1291.5 | 1286.8 | 1282.0 | 1277.3 | 1272.5 |
| 40°    | 1262.9 | 1249.6 | 1236.4 | 1227.6 | 1223.4 | 1219.2 | 1215.0 | 1210.8 |
| 42.5°  | 1202.3 | 1189.6 | 1176.9 | 1167.4 | 1161.2 | 1155.1 | 1148.9 | 1142.8 |
| 45°    | 1105.6 | 1091.7 | 1077.6 | 1068.0 | 1062.8 | 1057.5 | 1052.3 | 1047.0 |
| 47.5°  | 1010.1 | 995.6  | 981.2  | 971.1  | 965.2  | 959.5  | 953.6  | 947.9  |
| 50°    | 945.2  | 930.5  | 915.8  | 905.8  | 900.6  | 895.3  | 890.1  | 884.8  |
| 52.5°  | 883.7  | 868.0  | 852.1  | 841.6  | 836.4  | 831.1  | 825.9  | 820.6  |
| 55°    | 790.4  | 774.7  | 758.9  | 748.2  | 742.7  | 737.0  | 731.4  | 725.9  |
| 57.5°  | 696.9  | 681.6  | 666.1  | 656.0  | 651.0  | 646.0  | 641.1  | 636.1  |
| 60°    | 635.2  | 619.9  | 604.4  | 594.1  | 588.9  | 583.6  | 578.3  | 573.1  |
| 62.5°  | 574.5  | 560.2  | 545.9  | 536.1  | 530.9  | 525.6  | 520.4  | 515.1  |
| 65°    | 485.3  | 471.3  | 457.3  | 447.7  | 442.4  | 437.2  | 431.9  | 426.7  |
| 67.5°  | 400.1  | 387.3  | 374.6  | 366.0  | 361.8  | 357.6  | 353.5  | 349.2  |
| 70°    | 343.6  | 332.8  | 321.9  | 314.4  | 310.1  | 306.0  | 301.7  | 297.6  |
| 72.5°  | 291.1  | 281.1  | 271.0  | 264.7  | 261.9  | 259.1  | 256.3  | 253.5  |
| 75°    | 217.6  | 210.0  | 202.3  | 197.1  | 194.7  | 192.3  | 189.9  | 187.3  |
| 77.5°  | 154.8  | 149.5  | 144.1  | 140.5  | 138.7  | 136.8  | 135.0  | 133.2  |
| 80°    | 116.5  | 113.4  | 110.2  | 108.3  | 107.6  | 106.8  | 106.2  | 105.5  |
| 82.5°  | 87.2   | 85.6   | 84.2   | 83.2   | 82.8   | 82.4   | 82.0   | 81.6   |
| 85°    | 49.7   | 49.4   | 49.0   | 48.7   | 48.3   | 48.0   | 47.6   | 47.3   |
| 87.5°  | 20.2   | 20.3   | 20.3   | 20.3   | 20.0   | 19.8   | 19.6   | 19.3   |
| 90°    | 6.5    | 6.8    | 7.2    | 7.9    | 7.9    | 7.9    | 8.2    | 8.2    |
| 92.5°  | 63.2   | 45.8   | 34.5   | 29.3   | 24.7   | 23.8   | 23.3   | 22.7   |
| 95°    | 256.6  | 202.4  | 158.4  | 128.5  | 103.1  | 92.4   | 89.6   | 83.9   |
| 97.5°  | 382.1  | 344.2  | 301.3  | 259.6  | 237.6  | 217.6  | 207.3  | 202.7  |
| 100°   | 439.0  | 421.5  | 384.8  | 347.6  | 323.0  | 297.3  | 284.1  | 278.4  |
| 102.5° | 458.1  | 468.9  | 451.3  | 426.2  | 399.8  | 381.5  | 367.2  | 362.9  |
| 105°   | 446.9  | 495.7  | 511.4  | 507.6  | 496.0  | 484.3  | 477.2  | 472.9  |
| 107.5° | 406.6  | 471.8  | 512.1  | 530.8  | 536.5  | 536.5  | 534.1  | 531.3  |
| 110°   | 376.9  | 444.7  | 495.0  | 525.3  | 541.4  | 548.2  | 550.7  | 550.7  |





TEST NUMBER: P333615-840

CATALOG NUMBER: S125RDIP-S1270D365U840-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 353.5 | 417.9 | 468.8 | 504.5 | 528.0 | 539.7 | 545.8 | 548.5 |
| 115°   | 324.1 | 379.4 | 428.3 | 467.2 | 495.0 | 512.1 | 522.1 | 526.7 |
| 117.5° | 305.1 | 352.7 | 394.9 | 430.6 | 458.4 | 476.2 | 486.0 | 488.9 |
| 120°   | 294.8 | 337.6 | 376.9 | 408.3 | 434.7 | 451.8 | 461.5 | 464.3 |
| 122.5° | 287.1 | 326.8 | 361.7 | 391.1 | 414.8 | 430.4 | 440.1 | 442.6 |
| 125°   | 275.9 | 312.3 | 343.4 | 369.0 | 389.0 | 403.6 | 411.5 | 415.1 |
| 127.5° | 264.5 | 298.4 | 327.4 | 351.4 | 369.6 | 382.5 | 389.9 | 391.5 |
| 130°   | 257.3 | 288.7 | 316.6 | 339.8 | 357.6 | 369.4 | 376.6 | 378.7 |
| 132.5° | 250.1 | 279.6 | 304.9 | 327.2 | 345.1 | 356.8 | 363.3 | 365.8 |
| 135°   | 241.0 | 265.5 | 288.4 | 308.7 | 324.5 | 336.2 | 342.6 | 344.8 |
| 137.5° | 233.1 | 253.0 | 272.0 | 289.2 | 303.3 | 314.0 | 319.9 | 322.2 |
| 140°   | 228.7 | 245.5 | 262.0 | 276.9 | 290.1 | 299.4 | 304.8 | 306.6 |
| 142.5° | 225.1 | 239.2 | 253.4 | 266.4 | 277.6 | 285.5 | 290.5 | 292.1 |
| 145°   | 220.3 | 231.3 | 242.4 | 252.0 | 260.5 | 266.6 | 270.5 | 272.0 |
| 147.5° | 215.6 | 224.6 | 233.2 | 240.4 | 247.2 | 252.1 | 254.3 | 255.0 |
| 150°   | 213.1 | 221.0 | 227.7 | 234.1 | 239.4 | 243.8 | 245.2 | 245.5 |
| 152.5° | 210.3 | 217.2 | 223.4 | 228.4 | 232.9 | 236.3 | 237.7 | 238.1 |
| 155°   | 205.9 | 211.7 | 216.6 | 220.6 | 224.1 | 226.6 | 227.7 | 228.0 |
| 157.5° | 201.7 | 206.3 | 210.3 | 213.3 | 216.1 | 218.1 | 219.1 | 219.0 |
| 160°   | 198.8 | 202.4 | 205.9 | 208.4 | 211.0 | 212.7 | 213.4 | 213.1 |
| 162.5° | 195.6 | 198.9 | 202.0 | 204.2 | 206.1 | 207.5 | 207.7 | 207.6 |
| 165°   | 191.3 | 193.8 | 195.9 | 197.7 | 199.1 | 199.9 | 199.9 | 199.9 |
| 167.5° | 187.1 | 188.8 | 190.5 | 191.8 | 192.5 | 193.1 | 192.8 | 192.7 |
| 170°   | 184.9 | 185.9 | 187.0 | 187.7 | 188.4 | 188.8 | 188.8 | 188.4 |
| 172.5° | 182.3 | 183.4 | 184.2 | 184.6 | 184.7 | 185.4 | 184.8 | 184.4 |
| 175°   | 179.6 | 179.6 | 180.3 | 180.3 | 180.3 | 180.6 | 179.9 | 179.6 |
| 177.5° | 177.6 | 177.8 | 177.8 | 177.8 | 177.6 | 177.8 | 177.0 | 177.0 |
| 180°   | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 |

(END OF REPORT)