

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: P333589

Luminaire Tested: **S125RDIP-S1090D590U835-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333589  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S1090D590U835-4F0-1E-UDD-F  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 590 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6587.6 lumens  
Efficiency: N/A  
Efficacy: 135.0 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

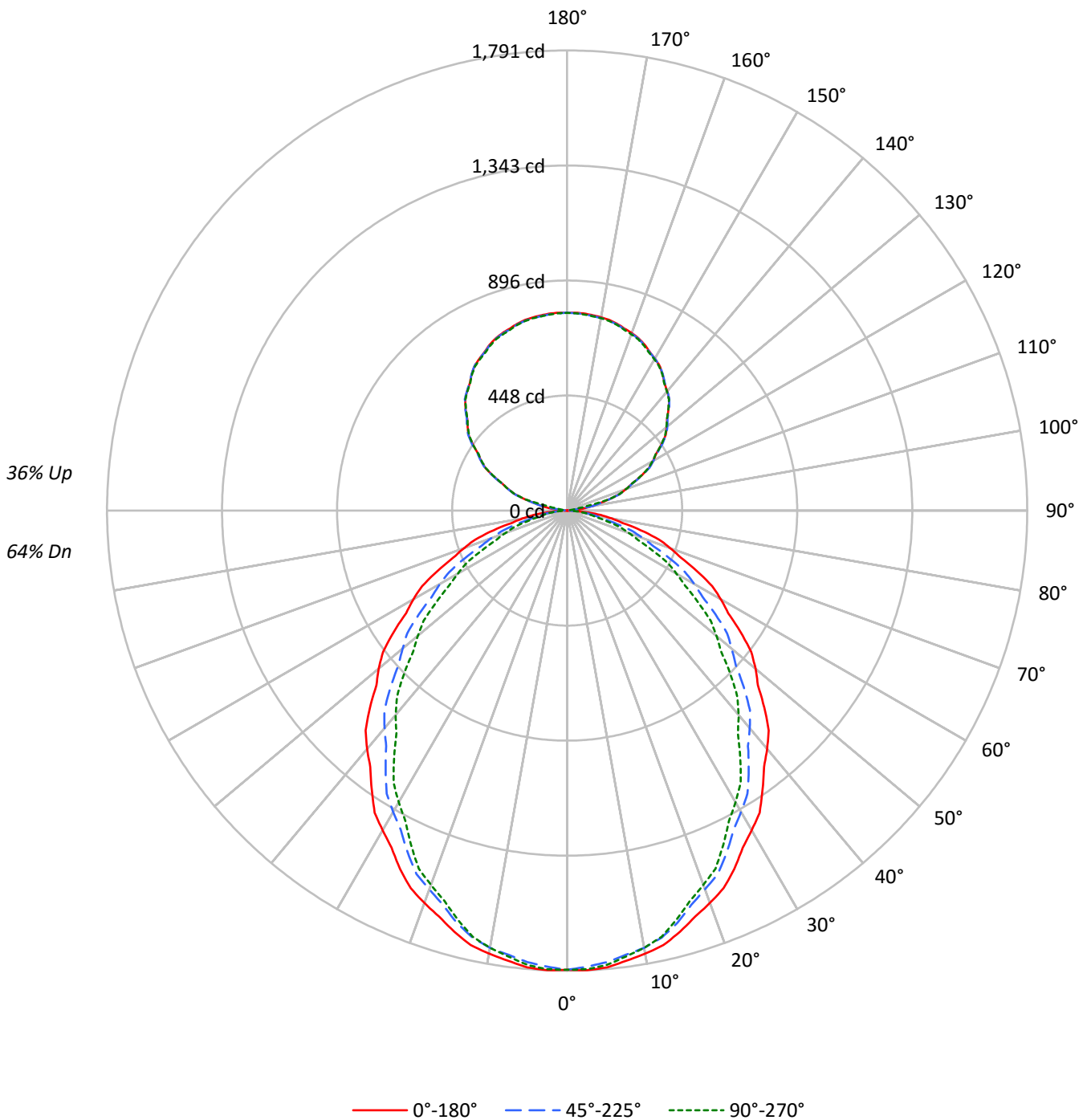
Input Watts (W): 48.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333589

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### Luminous Intensity Polar Plot





TEST NUMBER: P333589

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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   | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 80 | 80 | 80 | 69 | 69 | 69 | 64 |
| 1   | 101 | 97  | 93  | 90  | 95  | 91  | 88  | 85  | 80 | 78 | 76 | 71 | 69 | 67 | 62 | 60 | 59 | 55 |
| 2   | 92  | 85  | 79  | 74  | 87  | 80  | 75  | 70  | 71 | 67 | 63 | 62 | 59 | 56 | 54 | 52 | 50 | 46 |
| 3   | 84  | 75  | 68  | 62  | 79  | 71  | 64  | 59  | 63 | 58 | 53 | 55 | 51 | 48 | 49 | 45 | 43 | 39 |
| 4   | 77  | 67  | 59  | 52  | 73  | 63  | 56  | 50  | 56 | 50 | 46 | 50 | 45 | 41 | 44 | 40 | 37 | 34 |
| 5   | 71  | 60  | 51  | 45  | 67  | 56  | 49  | 43  | 50 | 44 | 40 | 45 | 40 | 36 | 39 | 36 | 33 | 30 |
| 6   | 66  | 54  | 45  | 39  | 62  | 51  | 43  | 38  | 45 | 39 | 35 | 40 | 36 | 32 | 36 | 32 | 29 | 26 |
| 7   | 61  | 49  | 40  | 35  | 57  | 46  | 39  | 33  | 41 | 35 | 31 | 37 | 32 | 28 | 33 | 29 | 26 | 23 |
| 8   | 57  | 44  | 36  | 31  | 53  | 42  | 35  | 30  | 38 | 32 | 28 | 34 | 29 | 25 | 30 | 26 | 23 | 21 |
| 9   | 53  | 40  | 33  | 28  | 50  | 38  | 32  | 27  | 35 | 29 | 25 | 31 | 26 | 23 | 28 | 24 | 21 | 19 |
| 10  | 49  | 37  | 30  | 25  | 47  | 35  | 29  | 24  | 32 | 26 | 22 | 29 | 24 | 21 | 26 | 22 | 19 | 17 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 11544 | 11544 | 11544 |
| 5°  | 11570 | 11439 | 11509 |
| 10° | 11482 | 11332 | 11332 |
| 15° | 11346 | 11102 | 11012 |
| 20° | 11171 | 10781 | 10652 |
| 25° | 10967 | 10467 | 10236 |
| 30° | 10712 | 10097 | 9775  |
| 35° | 10452 | 9717  | 9260  |
| 40° | 10209 | 9321  | 8752  |
| 45° | 9913  | 8878  | 8199  |
| 50° | 9616  | 8396  | 7623  |
| 55° | 9272  | 7935  | 7007  |
| 60° | 8928  | 7375  | 6347  |
| 65° | 8520  | 6725  | 5590  |
| 70° | 8055  | 5914  | 4817  |
| 75° | 7411  | 4986  | 4007  |
| 80° | 6527  | 3916  | 3362  |
| 85° | 5498  | 3201  | 3001  |



TEST NUMBER: P333589

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 168.1  | 2.6       |
| 10°-20°   | 469.7  | 7.1       |
| 20°-30°   | 681.1  | 10.3      |
| 30°-40°   | 776.2  | 11.8      |
| 40°-50°   | 756.6  | 11.5      |
| 50°-60°   | 636.9  | 9.7       |
| 60°-70°   | 446.5  | 6.8       |
| 70°-80°   | 229.5  | 3.5       |
| 80°-90°   | 59.6   | 0.9       |
| 90°-100°  | 28.0   | 0.4       |
| 100°-110° | 172.4  | 2.6       |
| 110°-120° | 312.6  | 4.7       |
| 120°-130° | 401.2  | 6.1       |
| 130°-140° | 431.5  | 6.6       |
| 140°-150° | 405.1  | 6.1       |
| 150°-160° | 327.7  | 5.0       |
| 160°-170° | 211.9  | 3.2       |
| 170°-180° | 73.1   | 1.1       |
| 0°-30°    | 1318.9 | 20.0      |
| 0°-40°    | 2095.1 | 31.8      |
| 0°-60°    | 3488.6 | 53.0      |
| 0°-90°    | 4224.1 | 64.1      |
| 90°-120°  | 513.0  | 7.8       |
| 90°-150°  | 1750.8 | 26.6      |
| 90°-180°  | 2364.0 | 35.9      |
| 0°-180°   | 6587.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1787 | 1787  | 1787 | 1787  | 1787 |      |
| 5°   | 1785 | 1779  | 1764 | 1777  | 1775 | 169  |
| 15°  | 1697 | 1688  | 1660 | 1659  | 1647 | 478  |
| 25°  | 1539 | 1517  | 1469 | 1451  | 1436 | 708  |
| 35°  | 1326 | 1292  | 1232 | 1194  | 1174 | 830  |
| 45°  | 1085 | 1044  | 972  | 920   | 898  | 837  |
| 55°  | 824  | 778   | 705  | 646   | 622  | 736  |
| 65°  | 558  | 510   | 440  | 388   | 366  | 552  |
| 75°  | 297  | 256   | 200  | 171   | 161  | 314  |
| 85°  | 74   | 51    | 43   | 42    | 40   | 83   |
| 90°  | 1    | 5     | 9    | 12    | 14   | 5    |
| 95°  | 32   | 30    | 9    | 12    | 12   | 41   |
| 105° | 168  | 170   | 170  | 170   | 169  | 178  |
| 115° | 315  | 318   | 318  | 316   | 313  | 312  |
| 125° | 448  | 452   | 452  | 450   | 448  | 400  |
| 135° | 559  | 562   | 561  | 560   | 556  | 430  |
| 145° | 648  | 649   | 649  | 649   | 646  | 405  |
| 155° | 713  | 710   | 711  | 712   | 708  | 328  |
| 165° | 752  | 749   | 750  | 753   | 748  | 212  |
| 175° | 770  | 766   | 767  | 771   | 766  | 73   |
| 180° | 770  | 770   | 770  | 770   | 770  |      |



TEST NUMBER: P333589

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 |
| 2.5°   | 1790.6 | 1789.9 | 1789.2 | 1788.4 | 1787.7 | 1786.2 | 1783.8 | 1781.4 | 1779.0 | 1776.6 | 1779.0 |
| 5°     | 1784.7 | 1783.5 | 1782.3 | 1781.1 | 1779.9 | 1777.6 | 1774.3 | 1771.0 | 1767.7 | 1764.4 | 1767.4 |
| 7.5°   | 1767.1 | 1766.0 | 1764.8 | 1763.7 | 1762.5 | 1760.0 | 1756.0 | 1752.1 | 1748.1 | 1744.2 | 1746.3 |
| 10°    | 1750.9 | 1750.0 | 1749.1 | 1748.2 | 1747.3 | 1744.8 | 1740.6 | 1736.4 | 1732.2 | 1728.0 | 1728.9 |
| 12.5°  | 1732.5 | 1731.4 | 1730.3 | 1729.1 | 1728.0 | 1724.6 | 1719.0 | 1713.3 | 1707.7 | 1702.0 | 1702.7 |
| 15°    | 1696.9 | 1695.1 | 1693.3 | 1691.5 | 1689.7 | 1685.7 | 1679.4 | 1673.1 | 1666.8 | 1660.5 | 1660.2 |
| 17.5°  | 1656.7 | 1653.9 | 1651.2 | 1648.4 | 1645.6 | 1640.3 | 1632.4 | 1624.5 | 1616.5 | 1608.6 | 1607.1 |
| 20°    | 1625.4 | 1622.4 | 1619.4 | 1616.4 | 1613.4 | 1607.1 | 1597.5 | 1587.9 | 1578.3 | 1568.7 | 1567.2 |
| 22.5°  | 1590.8 | 1587.8 | 1584.8 | 1581.8 | 1578.8 | 1572.3 | 1562.2 | 1552.1 | 1542.0 | 1531.9 | 1529.0 |
| 25°    | 1539.0 | 1534.5 | 1530.0 | 1525.5 | 1521.0 | 1513.2 | 1502.1 | 1491.0 | 1479.9 | 1468.8 | 1464.9 |
| 27.5°  | 1479.6 | 1474.1 | 1468.6 | 1463.2 | 1457.7 | 1449.1 | 1437.2 | 1425.3 | 1413.4 | 1401.5 | 1396.1 |
| 30°    | 1436.4 | 1430.7 | 1425.0 | 1419.3 | 1413.6 | 1404.4 | 1391.8 | 1379.2 | 1366.6 | 1354.0 | 1347.1 |
| 32.5°  | 1394.2 | 1387.6 | 1380.9 | 1374.3 | 1367.6 | 1357.9 | 1345.0 | 1332.2 | 1319.3 | 1306.5 | 1298.9 |
| 35°    | 1325.7 | 1318.5 | 1311.3 | 1304.1 | 1296.9 | 1286.5 | 1273.0 | 1259.5 | 1246.0 | 1232.5 | 1223.8 |
| 37.5°  | 1258.4 | 1249.7 | 1240.9 | 1232.2 | 1223.4 | 1212.1 | 1198.1 | 1184.2 | 1170.3 | 1156.4 | 1145.9 |
| 40°    | 1210.9 | 1201.9 | 1192.9 | 1183.9 | 1174.9 | 1163.2 | 1148.8 | 1134.4 | 1120.0 | 1105.6 | 1094.2 |
| 42.5°  | 1161.2 | 1152.0 | 1142.8 | 1133.5 | 1124.3 | 1112.2 | 1097.3 | 1082.5 | 1067.6 | 1052.7 | 1041.8 |
| 45°    | 1085.4 | 1076.7 | 1068.0 | 1059.3 | 1050.6 | 1038.0 | 1021.5 | 1005.0 | 988.5  | 972.0  | 960.0  |
| 47.5°  | 1006.8 | 997.6  | 988.4  | 979.3  | 970.1  | 957.2  | 940.6  | 923.9  | 907.3  | 890.7  | 878.3  |
| 50°    | 957.1  | 947.2  | 937.3  | 927.4  | 917.5  | 904.0  | 886.9  | 869.8  | 852.7  | 835.6  | 823.0  |
| 52.5°  | 903.1  | 893.0  | 882.8  | 872.7  | 862.6  | 849.4  | 833.3  | 817.1  | 801.0  | 784.9  | 771.3  |
| 55°    | 823.5  | 813.9  | 804.3  | 794.7  | 785.1  | 771.9  | 755.1  | 738.3  | 721.5  | 704.7  | 691.2  |
| 57.5°  | 743.0  | 732.8  | 722.5  | 712.2  | 702.0  | 688.8  | 672.6  | 656.4  | 640.2  | 624.0  | 610.8  |
| 60°    | 691.2  | 680.7  | 670.2  | 659.7  | 649.2  | 635.8  | 619.6  | 603.4  | 587.2  | 571.0  | 557.8  |
| 62.5°  | 636.1  | 626.1  | 616.1  | 606.0  | 596.0  | 582.8  | 566.4  | 549.9  | 533.5  | 517.0  | 504.8  |
| 65°    | 557.5  | 547.3  | 537.1  | 526.9  | 516.7  | 503.7  | 487.8  | 471.9  | 456.0  | 440.1  | 428.1  |
| 67.5°  | 479.5  | 469.3  | 459.1  | 448.9  | 438.7  | 426.0  | 410.7  | 395.5  | 380.3  | 365.0  | 354.1  |
| 70°    | 426.6  | 416.4  | 406.2  | 396.0  | 385.8  | 373.2  | 358.2  | 343.2  | 328.2  | 313.2  | 303.9  |
| 72.5°  | 374.8  | 364.8  | 354.8  | 344.9  | 334.9  | 322.9  | 308.9  | 294.8  | 280.8  | 266.8  | 258.2  |
| 75°    | 297.0  | 288.0  | 279.0  | 270.0  | 261.0  | 250.2  | 237.6  | 225.0  | 212.4  | 199.8  | 193.2  |
| 77.5°  | 219.8  | 212.6  | 205.4  | 198.2  | 191.0  | 182.3  | 172.3  | 162.2  | 152.1  | 142.0  | 137.4  |
| 80°    | 175.5  | 168.3  | 161.1  | 153.9  | 146.7  | 138.9  | 130.5  | 122.1  | 113.7  | 105.3  | 102.6  |
| 82.5°  | 132.3  | 125.8  | 119.3  | 112.9  | 106.4  | 100.3  | 94.5   | 88.7   | 83.0   | 77.2   | 76.0   |
| 85°    | 74.2   | 68.8   | 63.4   | 58.0   | 52.6   | 49.2   | 47.7   | 46.2   | 44.7   | 43.2   | 42.9   |
| 87.5°  | 25.0   | 23.5   | 22.0   | 20.5   | 19.0   | 18.3   | 18.2   | 18.2   | 18.1   | 18.0   | 18.2   |
| 90°    | 0.6    | 1.6    | 2.6    | 3.6    | 4.6    | 5.6    | 6.5    | 7.4    | 8.2    | 9.1    | 9.8    |
| 92.5°  | 8.8    | 8.1    | 7.4    | 6.7    | 5.9    | 6.0    | 6.8    | 7.6    | 8.3    | 9.1    | 9.8    |
| 95°    | 32.5   | 32.1   | 31.8   | 31.4   | 31.0   | 28.4   | 23.6   | 18.8   | 13.9   | 9.1    | 9.8    |
| 97.5°  | 67.9   | 68.6   | 69.3   | 69.9   | 70.6   | 66.2   | 56.7   | 47.1   | 37.6   | 28.1   | 24.5   |
| 100°   | 95.3   | 95.7   | 96.0   | 96.4   | 96.8   | 97.2   | 97.8   | 98.3   | 98.8   | 99.3   | 80.4   |
| 102.5° | 123.1  | 123.6  | 124.1  | 124.6  | 125.0  | 125.4  | 125.7  | 126.1  | 126.4  | 126.7  | 123.1  |
| 105°   | 167.7  | 168.2  | 168.8  | 169.3  | 169.8  | 170.0  | 170.0  | 170.0  | 170.0  | 170.0  | 170.0  |
| 107.5° | 214.1  | 214.1  | 214.1  | 214.1  | 214.1  | 214.2  | 214.4  | 214.7  | 215.0  | 215.2  | 215.2  |
| 110°   | 244.2  | 244.2  | 244.2  | 244.2  | 244.2  | 244.3  | 244.6  | 244.8  | 245.1  | 245.3  | 245.0  |



TEST NUMBER: P333589

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 272.5 | 272.8 | 273.1 | 273.4 | 273.7 | 273.9 | 274.1 | 274.2 | 274.4 | 274.5 | 274.1 |
| 115°   | 314.9 | 315.6 | 316.2 | 316.8 | 317.5 | 317.9 | 318.0 | 318.1 | 318.2 | 318.4 | 317.9 |
| 117.5° | 358.9 | 358.8 | 358.8 | 358.8 | 358.8 | 359.0 | 359.5 | 360.0 | 360.4 | 360.9 | 360.3 |
| 120°   | 386.3 | 386.1 | 386.0 | 385.9 | 385.7 | 385.9 | 386.3 | 386.6 | 387.0 | 387.4 | 387.1 |
| 122.5° | 410.4 | 410.9 | 411.4 | 411.9 | 412.4 | 412.7 | 412.9 | 413.1 | 413.2 | 413.4 | 413.2 |
| 125°   | 447.9 | 448.8 | 449.6 | 450.5 | 451.4 | 451.9 | 451.9 | 451.9 | 451.9 | 451.9 | 451.4 |
| 127.5° | 483.6 | 484.2 | 484.9 | 485.5 | 486.1 | 486.4 | 486.3 | 486.3 | 486.2 | 486.1 | 485.8 |
| 130°   | 505.5 | 506.1 | 506.8 | 507.4 | 508.0 | 508.4 | 508.5 | 508.7 | 508.8 | 508.9 | 508.5 |
| 132.5° | 527.4 | 528.1 | 528.9 | 529.6 | 530.3 | 530.6 | 530.3 | 530.0 | 529.7 | 529.5 | 529.4 |
| 135°   | 558.6 | 559.3 | 560.1 | 560.8 | 561.6 | 561.9 | 561.6 | 561.3 | 561.1 | 560.8 | 560.6 |
| 137.5° | 587.2 | 587.9 | 588.5 | 589.2 | 589.8 | 590.1 | 589.8 | 589.6 | 589.4 | 589.1 | 589.2 |
| 140°   | 605.9 | 606.2 | 606.4 | 606.7 | 606.9 | 607.0 | 606.9 | 606.7 | 606.6 | 606.5 | 606.7 |
| 142.5° | 622.8 | 623.0 | 623.1 | 623.3 | 623.4 | 623.6 | 623.8 | 623.9 | 624.1 | 624.3 | 624.3 |
| 145°   | 647.6 | 647.8 | 648.1 | 648.3 | 648.6 | 648.7 | 648.7 | 648.7 | 648.7 | 648.7 | 648.8 |
| 147.5° | 669.2 | 669.2 | 669.1 | 669.1 | 669.0 | 669.1 | 669.2 | 669.4 | 669.5 | 669.7 | 669.9 |
| 150°   | 682.9 | 682.7 | 682.4 | 682.2 | 681.9 | 681.9 | 682.2 | 682.4 | 682.7 | 682.9 | 683.2 |
| 152.5° | 696.2 | 695.6 | 695.1 | 694.5 | 693.9 | 693.8 | 694.0 | 694.3 | 694.5 | 694.8 | 695.1 |
| 155°   | 713.2 | 712.4 | 711.7 | 710.9 | 710.1 | 709.9 | 710.1 | 710.4 | 710.6 | 710.9 | 711.3 |
| 157.5° | 726.3 | 725.8 | 725.4 | 724.9 | 724.5 | 724.3 | 724.3 | 724.3 | 724.3 | 724.4 | 724.8 |
| 160°   | 735.4 | 734.7 | 733.9 | 733.1 | 732.4 | 732.1 | 732.2 | 732.3 | 732.4 | 732.6 | 733.1 |
| 162.5° | 742.7 | 742.0 | 741.2 | 740.4 | 739.7 | 739.4 | 739.5 | 739.6 | 739.7 | 739.9 | 740.6 |
| 165°   | 752.5 | 751.8 | 751.0 | 750.3 | 749.5 | 749.2 | 749.3 | 749.4 | 749.6 | 749.7 | 750.4 |
| 167.5° | 759.8 | 759.1 | 758.3 | 757.5 | 756.7 | 756.4 | 756.5 | 756.6 | 756.7 | 756.9 | 757.8 |
| 170°   | 764.0 | 763.1 | 762.2 | 761.3 | 760.4 | 760.0 | 760.1 | 760.3 | 760.4 | 760.5 | 761.5 |
| 172.5° | 766.7 | 765.8 | 764.9 | 764.0 | 763.1 | 762.8 | 763.0 | 763.3 | 763.5 | 763.7 | 764.6 |
| 175°   | 769.7 | 768.9 | 768.1 | 767.4 | 766.6 | 766.3 | 766.4 | 766.6 | 766.7 | 766.8 | 767.8 |
| 177.5° | 771.0 | 770.4 | 769.8 | 769.2 | 768.6 | 768.3 | 768.4 | 768.5 | 768.6 | 768.7 | 769.5 |
| 180°   | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 |



TEST NUMBER: P333589

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 | 1787.4 |
| 2.5°   | 1781.4 | 1783.8 | 1786.2 | 1787.2 | 1787.0 | 1786.8 | 1786.5 | 1786.3 |
| 5°     | 1770.4 | 1773.4 | 1776.4 | 1777.6 | 1777.0 | 1776.4 | 1775.8 | 1775.2 |
| 7.5°   | 1748.4 | 1750.5 | 1752.6 | 1753.3 | 1752.6 | 1752.0 | 1751.3 | 1750.6 |
| 10°    | 1729.8 | 1730.7 | 1731.6 | 1731.6 | 1730.7 | 1729.8 | 1728.9 | 1728.0 |
| 12.5°  | 1703.4 | 1704.0 | 1704.7 | 1704.3 | 1702.9 | 1701.6 | 1700.2 | 1698.8 |
| 15°    | 1659.9 | 1659.6 | 1659.3 | 1657.8 | 1655.1 | 1652.4 | 1649.7 | 1647.0 |
| 17.5°  | 1605.6 | 1604.1 | 1602.6 | 1600.8 | 1598.5 | 1596.3 | 1594.1 | 1591.9 |
| 20°    | 1565.7 | 1564.2 | 1562.7 | 1560.6 | 1557.9 | 1555.2 | 1552.5 | 1549.8 |
| 22.5°  | 1526.1 | 1523.1 | 1520.2 | 1517.6 | 1515.4 | 1513.2 | 1510.9 | 1508.7 |
| 25°    | 1461.0 | 1457.1 | 1453.2 | 1449.6 | 1446.3 | 1443.0 | 1439.7 | 1436.4 |
| 27.5°  | 1390.6 | 1385.2 | 1379.7 | 1375.4 | 1372.2 | 1369.0 | 1365.8 | 1362.7 |
| 30°    | 1340.2 | 1333.3 | 1326.4 | 1321.6 | 1318.9 | 1316.2 | 1313.5 | 1310.8 |
| 32.5°  | 1291.3 | 1283.6 | 1276.0 | 1270.5 | 1267.1 | 1263.7 | 1260.2 | 1256.8 |
| 35°    | 1215.1 | 1206.4 | 1197.7 | 1191.3 | 1187.1 | 1182.9 | 1178.7 | 1174.5 |
| 37.5°  | 1135.5 | 1125.1 | 1114.6 | 1107.4 | 1103.3 | 1099.2 | 1095.1 | 1091.0 |
| 40°    | 1082.8 | 1071.4 | 1060.0 | 1052.5 | 1048.9 | 1045.3 | 1041.7 | 1038.1 |
| 42.5°  | 1030.9 | 1019.9 | 1009.0 | 1000.9 | 995.6  | 990.4  | 985.1  | 979.8  |
| 45°    | 948.0  | 936.0  | 924.0  | 915.7  | 911.2  | 906.7  | 902.2  | 897.7  |
| 47.5°  | 866.0  | 853.6  | 841.3  | 832.6  | 827.6  | 822.6  | 817.7  | 812.7  |
| 50°    | 810.4  | 797.8  | 785.2  | 776.7  | 772.2  | 767.7  | 763.2  | 758.7  |
| 52.5°  | 757.8  | 744.2  | 730.6  | 721.6  | 717.1  | 712.6  | 708.1  | 703.6  |
| 55°    | 677.7  | 664.2  | 650.7  | 641.5  | 636.7  | 631.9  | 627.1  | 622.3  |
| 57.5°  | 597.6  | 584.4  | 571.2  | 562.4  | 558.2  | 553.9  | 549.6  | 545.4  |
| 60°    | 544.6  | 531.4  | 518.2  | 509.4  | 504.9  | 500.4  | 495.9  | 491.4  |
| 62.5°  | 492.6  | 480.3  | 468.1  | 459.7  | 455.2  | 450.7  | 446.2  | 441.7  |
| 65°    | 416.1  | 404.1  | 392.1  | 383.8  | 379.3  | 374.8  | 370.3  | 365.8  |
| 67.5°  | 343.1  | 332.1  | 321.1  | 313.8  | 310.2  | 306.6  | 303.0  | 299.4  |
| 70°    | 294.6  | 285.3  | 276.0  | 269.5  | 265.9  | 262.3  | 258.7  | 255.1  |
| 72.5°  | 249.6  | 241.0  | 232.4  | 226.9  | 224.5  | 222.1  | 219.7  | 217.3  |
| 75°    | 186.6  | 180.0  | 173.4  | 169.0  | 166.9  | 164.8  | 162.7  | 160.6  |
| 77.5°  | 132.8  | 128.2  | 123.5  | 120.4  | 118.9  | 117.3  | 115.8  | 114.2  |
| 80°    | 99.9   | 97.2   | 94.5   | 92.8   | 92.2   | 91.6   | 91.0   | 90.4   |
| 82.5°  | 74.7   | 73.4   | 72.2   | 71.4   | 71.0   | 70.6   | 70.3   | 69.9   |
| 85°    | 42.6   | 42.3   | 42.0   | 41.7   | 41.4   | 41.1   | 40.8   | 40.5   |
| 87.5°  | 18.3   | 18.4   | 18.5   | 18.5   | 18.3   | 18.2   | 18.0   | 17.9   |
| 90°    | 10.4   | 11.0   | 11.7   | 12.2   | 12.6   | 12.9   | 13.3   | 13.7   |
| 92.5°  | 10.4   | 11.0   | 11.7   | 12.1   | 12.2   | 12.4   | 12.6   | 12.8   |
| 95°    | 10.4   | 11.0   | 11.7   | 12.0   | 12.0   | 12.0   | 12.0   | 12.0   |
| 97.5°  | 20.9   | 17.3   | 13.8   | 12.0   | 12.0   | 12.0   | 12.0   | 12.0   |
| 100°   | 61.5   | 42.6   | 23.7   | 14.0   | 13.5   | 13.0   | 12.5   | 12.0   |
| 102.5° | 119.5  | 115.9  | 112.4  | 106.3  | 97.6   | 89.0   | 80.4   | 71.8   |
| 105°   | 170.0  | 170.0  | 170.0  | 170.0  | 169.8  | 169.7  | 169.6  | 169.4  |
| 107.5° | 215.3  | 215.3  | 215.3  | 215.1  | 214.8  | 214.4  | 214.0  | 213.6  |
| 110°   | 244.6  | 244.2  | 243.8  | 243.7  | 243.8  | 243.9  | 244.1  | 244.2  |





TEST NUMBER: P333589

CATALOG NUMBER: S125RDIP-S1090D590U835-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 273.6 | 273.1 | 272.6 | 272.3 | 272.1 | 271.9 | 271.8 | 271.6 |
| 115°   | 317.3 | 316.8 | 316.3 | 315.7 | 314.9 | 314.2 | 313.4 | 312.7 |
| 117.5° | 359.6 | 358.9 | 358.3 | 357.8 | 357.5 | 357.1 | 356.8 | 356.5 |
| 120°   | 386.9 | 386.6 | 386.4 | 385.9 | 385.3 | 384.7 | 384.0 | 383.4 |
| 122.5° | 412.9 | 412.7 | 412.4 | 411.9 | 411.2 | 410.4 | 409.7 | 409.0 |
| 125°   | 450.9 | 450.3 | 449.8 | 449.4 | 449.0 | 448.6 | 448.3 | 447.9 |
| 127.5° | 485.5 | 485.3 | 485.0 | 484.4 | 483.4 | 482.5 | 481.6 | 480.6 |
| 130°   | 508.2 | 507.8 | 507.4 | 506.9 | 506.3 | 505.6 | 505.0 | 504.4 |
| 132.5° | 529.3 | 529.2 | 529.2 | 528.8 | 528.2 | 527.5 | 526.9 | 526.3 |
| 135°   | 560.3 | 560.1 | 559.8 | 559.3 | 558.6 | 557.8 | 557.0 | 556.3 |
| 137.5° | 589.2 | 589.3 | 589.3 | 589.0 | 588.4 | 587.7 | 587.1 | 586.4 |
| 140°   | 607.0 | 607.2 | 607.5 | 607.2 | 606.5 | 605.7 | 605.0 | 604.2 |
| 142.5° | 624.4 | 624.4 | 624.5 | 624.1 | 623.4 | 622.6 | 621.8 | 621.1 |
| 145°   | 649.0 | 649.1 | 649.2 | 648.9 | 648.1 | 647.4 | 646.6 | 645.8 |
| 147.5° | 670.0 | 670.2 | 670.3 | 669.9 | 669.0 | 668.1 | 667.2 | 666.3 |
| 150°   | 683.4 | 683.7 | 683.9 | 683.6 | 682.6 | 681.5 | 680.5 | 679.5 |
| 152.5° | 695.3 | 695.6 | 695.8 | 695.5 | 694.6 | 693.7 | 692.7 | 691.8 |
| 155°   | 711.7 | 712.0 | 712.4 | 712.1 | 711.1 | 710.1 | 709.1 | 708.0 |
| 157.5° | 725.2 | 725.6 | 726.0 | 725.7 | 724.7 | 723.6 | 722.6 | 721.6 |
| 160°   | 733.6 | 734.1 | 734.6 | 734.3 | 733.3 | 732.3 | 731.3 | 730.3 |
| 162.5° | 741.3 | 742.0 | 742.7 | 742.5 | 741.4 | 740.3 | 739.2 | 738.0 |
| 165°   | 751.2 | 752.0 | 752.7 | 752.6 | 751.6 | 750.6 | 749.6 | 748.5 |
| 167.5° | 758.7 | 759.6 | 760.5 | 760.4 | 759.3 | 758.1 | 757.0 | 755.8 |
| 170°   | 762.6 | 763.6 | 764.6 | 764.5 | 763.4 | 762.2 | 761.1 | 760.0 |
| 172.5° | 765.5 | 766.5 | 767.4 | 767.3 | 766.1 | 765.0 | 763.8 | 762.7 |
| 175°   | 768.8 | 769.8 | 770.9 | 770.8 | 769.7 | 768.5 | 767.4 | 766.2 |
| 177.5° | 770.2 | 770.9 | 771.6 | 771.5 | 770.7 | 769.9 | 769.1 | 768.3 |
| 180°   | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 | 769.7 |

(END OF REPORT)