

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: P334283

Luminaire Tested: **S125DS-S1090D927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P334283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DS-S1090D927-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER  
PENDANT/SURFACE/WALL MOUNT, 1090 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3358.1 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.53  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Direct

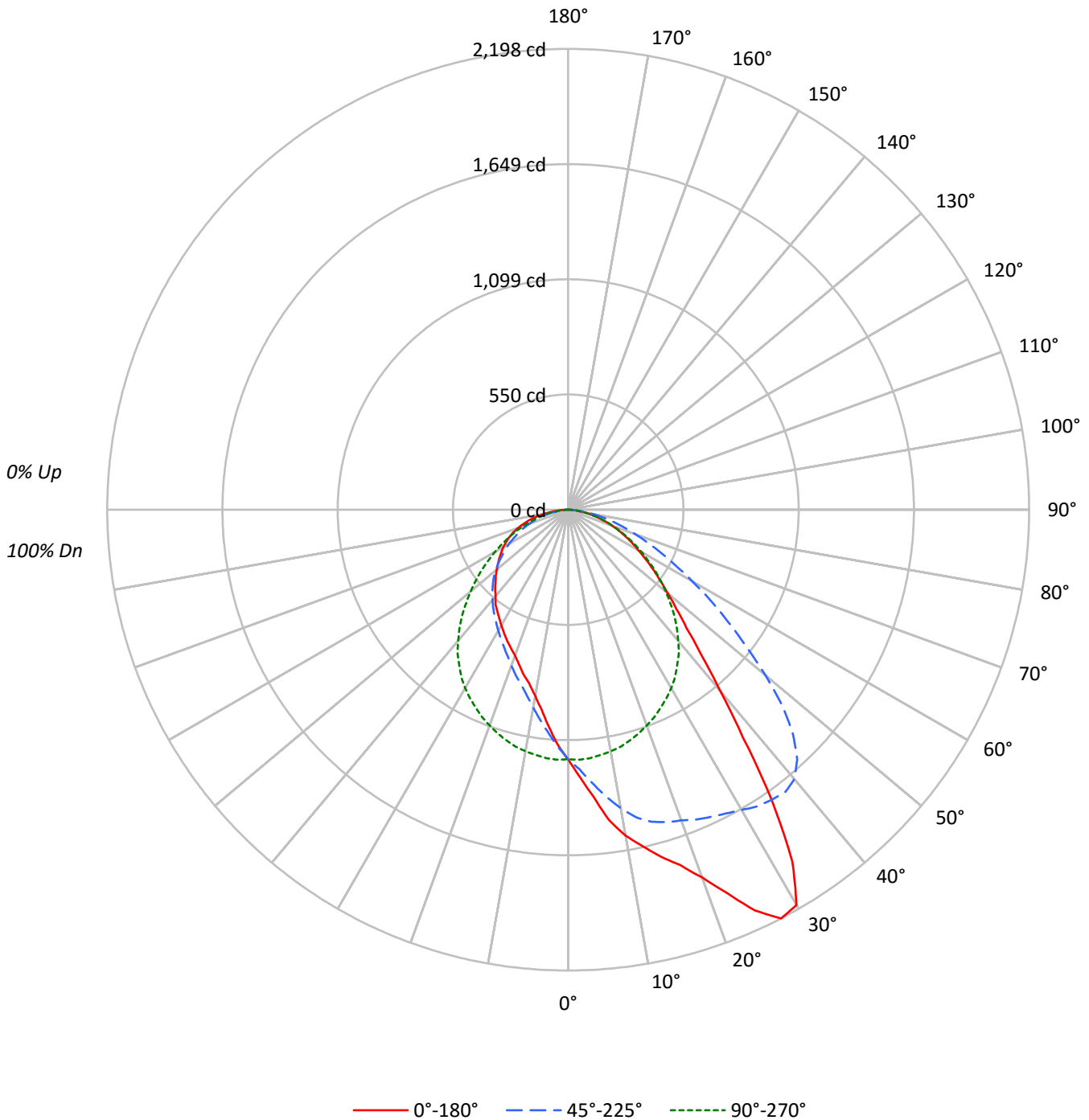
Input Watts (W): 34.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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  | 50  | 30 | 10 | 50 | 30 | 10  | 0 |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |   |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |    | 100 |   |  |   |
| 1   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |    |    | 85  |   |  |   |
| 2   | 100 | 92  | 86  | 80  | 98  | 90  | 84  | 79  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 77  | 74  | 72  |    |    |    |    | 72  |   |  |   |
| 3   | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 64  | 61  |    |    |    |    | 61  |   |  |   |
| 4   | 84  | 73  | 64  | 58  | 82  | 71  | 63  | 57  | 69  | 62  | 57  | 67  | 61  | 56  | 64  | 59  | 55  | 53  |    |    |    |    | 53  |   |  |   |
| 5   | 78  | 65  | 56  | 50  | 76  | 64  | 56  | 50  | 62  | 55  | 49  | 60  | 54  | 49  | 58  | 53  | 48  | 46  |    |    |    |    | 46  |   |  |   |
| 6   | 72  | 59  | 50  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 41  |    |    |    |    | 41  |   |  |   |
| 7   | 67  | 53  | 45  | 39  | 65  | 53  | 45  | 39  | 51  | 44  | 39  | 50  | 43  | 38  | 48  | 42  | 38  | 36  |    |    |    |    | 36  |   |  |   |
| 8   | 62  | 49  | 41  | 35  | 61  | 48  | 40  | 35  | 47  | 40  | 34  | 46  | 39  | 34  | 44  | 39  | 34  | 32  |    |    |    |    | 32  |   |  |   |
| 9   | 58  | 45  | 37  | 31  | 57  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |    |    |    |    | 29  |   |  |   |
| 10  | 54  | 41  | 34  | 28  | 53  | 41  | 33  | 28  | 40  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |    |    |    |    | 26  |   |  |   |

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

|     | 0°    | 90°  | 180° |
|-----|-------|------|------|
| 0°  | 7685  | 7685 | 7685 |
| 5°  | 8900  | 7712 | 6752 |
| 10° | 10354 | 7672 | 5916 |
| 15° | 11462 | 7616 | 5457 |
| 20° | 12830 | 7526 | 5089 |
| 25° | 15031 | 7425 | 4909 |
| 30° | 16234 | 7326 | 4753 |
| 35° | 13349 | 7140 | 4651 |
| 40° | 9487  | 6881 | 4539 |
| 45° | 7289  | 6532 | 4474 |
| 50° | 6221  | 6100 | 4466 |
| 55° | 5540  | 5676 | 4504 |
| 60° | 4997  | 5213 | 4619 |
| 65° | 4615  | 4747 | 4739 |
| 70° | 4196  | 4264 | 4808 |
| 75° | 3706  | 3755 | 4764 |
| 80° | 3117  | 3061 | 4359 |
| 85° | 2468  | 2208 | 3520 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 114.5  | 3.4       |
| 10°-20°   | 341.1  | 10.2      |
| 20°-30°   | 554.1  | 16.5      |
| 30°-40°   | 677.2  | 20.2      |
| 40°-50°   | 614.4  | 18.3      |
| 50°-60°   | 489.3  | 14.6      |
| 60°-70°   | 340.8  | 10.1      |
| 70°-80°   | 181.5  | 5.4       |
| 80°-90°   | 45.0   | 1.3       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1009.8 | 30.1      |
| 0°-40°    | 1687.0 | 50.2      |
| 0°-60°    | 2790.7 | 83.1      |
| 0°-90°    | 3358.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3358.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1190 | 1190 | 1190 | 1190 | 1190 |      |
| 5°  | 1373 | 1308 | 1190 | 1070 | 1042 | 138  |
| 15° | 1714 | 1541 | 1139 | 864  | 816  | 490  |
| 25° | 2109 | 1616 | 1042 | 724  | 689  | 966  |
| 35° | 1693 | 1690 | 906  | 614  | 590  | 1039 |
| 45° | 798  | 1516 | 715  | 508  | 490  | 635  |
| 55° | 492  | 929  | 504  | 387  | 400  | 442  |
| 65° | 302  | 492  | 311  | 261  | 310  | 300  |
| 75° | 148  | 219  | 150  | 137  | 191  | 160  |
| 85° | 33   | 44   | 30   | 32   | 48   | 39   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 |
| 2.5°  | 1275.9 | 1273.8 | 1271.8 | 1267.8 | 1270.8 | 1262.2 | 1258.2 | 1251.1 | 1242.5 | 1239.5 | 1236.0 |
| 5°    | 1372.8 | 1375.4 | 1377.9 | 1367.3 | 1368.3 | 1361.2 | 1345.1 | 1331.9 | 1321.3 | 1307.7 | 1298.1 |
| 7.5°  | 1493.0 | 1485.5 | 1486.0 | 1479.4 | 1467.8 | 1458.2 | 1442.5 | 1420.8 | 1401.1 | 1378.9 | 1359.7 |
| 10°   | 1578.9 | 1579.4 | 1574.9 | 1566.8 | 1554.2 | 1545.1 | 1522.8 | 1501.6 | 1475.9 | 1445.6 | 1423.8 |
| 12.5° | 1643.6 | 1646.1 | 1640.0 | 1628.4 | 1623.9 | 1600.6 | 1584.5 | 1558.2 | 1526.4 | 1503.7 | 1467.8 |
| 15°   | 1714.3 | 1708.7 | 1704.7 | 1691.0 | 1680.4 | 1659.2 | 1631.4 | 1605.2 | 1571.8 | 1541.0 | 1510.2 |
| 17.5° | 1776.9 | 1781.5 | 1774.9 | 1764.8 | 1733.5 | 1708.7 | 1674.4 | 1641.0 | 1601.1 | 1562.7 | 1526.9 |
| 20°   | 1866.8 | 1870.9 | 1859.2 | 1837.5 | 1798.1 | 1773.4 | 1724.4 | 1677.9 | 1629.9 | 1576.9 | 1536.5 |
| 22.5° | 1978.9 | 1973.9 | 1957.2 | 1921.4 | 1888.5 | 1837.5 | 1783.5 | 1724.4 | 1661.2 | 1599.6 | 1542.5 |
| 25°   | 2109.3 | 2088.0 | 2078.4 | 2037.5 | 1992.6 | 1925.4 | 1852.7 | 1769.8 | 1695.1 | 1615.8 | 1547.1 |
| 27.5° | 2198.2 | 2189.6 | 2175.9 | 2142.6 | 2091.1 | 2014.8 | 1928.9 | 1829.9 | 1729.4 | 1632.5 | 1546.1 |
| 30°   | 2176.9 | 2177.9 | 2179.0 | 2169.9 | 2139.6 | 2085.5 | 2000.2 | 1891.6 | 1766.3 | 1653.7 | 1549.6 |
| 32.5° | 1989.0 | 2011.8 | 2033.5 | 2061.8 | 2080.0 | 2080.5 | 2035.0 | 1939.5 | 1809.7 | 1677.9 | 1547.6 |
| 35°   | 1693.1 | 1698.6 | 1755.7 | 1812.3 | 1889.0 | 1948.6 | 1988.5 | 1945.1 | 1836.5 | 1689.5 | 1546.1 |
| 37.5° | 1368.8 | 1396.6 | 1439.5 | 1503.1 | 1618.3 | 1712.3 | 1835.5 | 1877.9 | 1826.9 | 1699.1 | 1545.6 |
| 40°   | 1125.3 | 1150.6 | 1176.4 | 1241.5 | 1335.0 | 1455.2 | 1600.1 | 1723.9 | 1752.7 | 1677.9 | 1530.4 |
| 42.5° | 937.4  | 956.1  | 985.4  | 1030.4 | 1104.6 | 1207.7 | 1344.5 | 1515.8 | 1633.0 | 1616.3 | 1498.6 |
| 45°   | 798.0  | 810.7  | 832.9  | 871.8  | 928.4  | 1011.7 | 1133.9 | 1310.7 | 1464.8 | 1515.8 | 1444.6 |
| 47.5° | 699.0  | 699.5  | 717.7  | 745.5  | 788.4  | 865.2  | 956.6  | 1102.1 | 1268.3 | 1386.0 | 1369.3 |
| 50°   | 619.2  | 616.7  | 630.4  | 653.6  | 685.9  | 732.9  | 819.3  | 929.9  | 1088.0 | 1225.9 | 1264.2 |
| 52.5° | 550.5  | 551.6  | 558.6  | 574.3  | 600.0  | 638.4  | 697.5  | 794.5  | 923.8  | 1066.2 | 1147.1 |
| 55°   | 492.0  | 489.9  | 499.5  | 511.2  | 530.8  | 557.1  | 603.6  | 679.9  | 789.5  | 928.9  | 1022.8 |
| 57.5° | 435.4  | 440.9  | 445.0  | 453.1  | 470.2  | 488.4  | 529.8  | 588.4  | 678.8  | 802.6  | 902.1  |
| 60°   | 386.9  | 392.5  | 395.5  | 403.6  | 416.7  | 431.9  | 462.2  | 507.6  | 580.9  | 683.9  | 782.4  |
| 62.5° | 343.5  | 347.5  | 348.0  | 355.1  | 365.2  | 379.8  | 402.1  | 438.4  | 492.5  | 579.3  | 675.3  |
| 65°   | 302.0  | 302.0  | 304.1  | 311.6  | 316.7  | 329.8  | 348.0  | 375.8  | 422.3  | 492.5  | 574.8  |
| 67.5° | 261.6  | 264.2  | 263.7  | 267.2  | 271.7  | 282.9  | 296.5  | 319.7  | 356.6  | 409.6  | 477.8  |
| 70°   | 222.2  | 224.3  | 223.8  | 226.3  | 231.3  | 237.9  | 248.5  | 270.2  | 295.0  | 338.9  | 395.5  |
| 72.5° | 186.9  | 187.4  | 185.9  | 189.4  | 191.9  | 197.5  | 209.6  | 218.7  | 241.4  | 276.8  | 320.7  |
| 75°   | 148.5  | 149.5  | 150.5  | 152.5  | 155.6  | 158.6  | 164.7  | 176.3  | 191.4  | 219.2  | 249.0  |
| 77.5° | 118.2  | 115.7  | 118.7  | 118.2  | 119.7  | 122.2  | 127.8  | 134.4  | 147.5  | 166.2  | 190.9  |
| 80°   | 83.8   | 84.4   | 84.4   | 84.9   | 87.4   | 88.9   | 93.4   | 98.0   | 107.6  | 120.7  | 136.9  |
| 82.5° | 55.6   | 57.1   | 56.1   | 57.1   | 59.1   | 60.1   | 62.1   | 65.7   | 70.2   | 79.8   | 90.4   |
| 85°   | 33.3   | 30.8   | 31.8   | 32.8   | 32.8   | 33.3   | 35.4   | 36.9   | 39.9   | 43.9   | 48.5   |
| 87.5° | 12.1   | 13.1   | 13.6   | 13.6   | 14.1   | 14.1   | 16.2   | 16.2   | 17.7   | 19.2   | 21.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 |
| 2.5°  | 1232.9 | 1229.4 | 1225.3 | 1218.3 | 1209.7 | 1205.1 | 1198.1 | 1193.5 | 1184.4 | 1176.9 | 1168.8 |
| 5°    | 1286.5 | 1273.3 | 1261.2 | 1245.6 | 1228.4 | 1217.3 | 1204.1 | 1189.5 | 1174.3 | 1158.7 | 1141.5 |
| 7.5°  | 1340.0 | 1318.3 | 1294.5 | 1269.8 | 1245.6 | 1222.8 | 1201.6 | 1179.9 | 1160.2 | 1135.4 | 1114.7 |
| 10°   | 1394.0 | 1364.8 | 1333.4 | 1296.6 | 1260.7 | 1229.4 | 1197.6 | 1169.8 | 1141.5 | 1111.2 | 1084.4 |
| 12.5° | 1448.1 | 1406.7 | 1359.2 | 1317.8 | 1272.8 | 1233.4 | 1194.5 | 1157.2 | 1119.8 | 1085.4 | 1053.1 |
| 15°   | 1467.8 | 1433.4 | 1392.5 | 1335.0 | 1286.5 | 1234.4 | 1184.9 | 1139.0 | 1096.0 | 1058.7 | 1019.3 |
| 17.5° | 1487.0 | 1443.0 | 1399.6 | 1344.0 | 1280.9 | 1224.8 | 1168.8 | 1118.8 | 1071.3 | 1024.3 | 988.5  |
| 20°   | 1491.5 | 1446.1 | 1400.1 | 1346.1 | 1280.9 | 1214.2 | 1158.2 | 1095.0 | 1043.0 | 994.0  | 947.5  |
| 22.5° | 1490.0 | 1437.0 | 1386.0 | 1329.9 | 1266.8 | 1206.7 | 1135.9 | 1071.3 | 1013.7 | 965.7  | 916.7  |
| 25°   | 1478.9 | 1423.8 | 1361.2 | 1305.2 | 1242.5 | 1177.4 | 1108.7 | 1042.0 | 984.4  | 929.4  | 881.4  |
| 27.5° | 1472.3 | 1402.6 | 1333.9 | 1269.3 | 1209.2 | 1149.1 | 1082.4 | 1013.7 | 950.6  | 894.5  | 850.1  |
| 30°   | 1457.7 | 1379.4 | 1299.6 | 1231.4 | 1169.3 | 1111.2 | 1049.1 | 982.4  | 915.7  | 861.2  | 812.7  |
| 32.5° | 1444.6 | 1350.1 | 1264.7 | 1189.0 | 1122.3 | 1066.2 | 1010.2 | 947.5  | 882.4  | 826.8  | 778.3  |
| 35°   | 1426.9 | 1321.3 | 1224.8 | 1141.0 | 1070.8 | 1012.7 | 964.7  | 905.6  | 845.5  | 792.0  | 745.5  |
| 37.5° | 1406.2 | 1283.9 | 1181.9 | 1094.5 | 1018.3 | 957.7  | 912.2  | 866.2  | 806.1  | 753.6  | 712.2  |
| 40°   | 1380.9 | 1243.5 | 1133.9 | 1044.0 | 964.2  | 900.6  | 859.2  | 816.2  | 768.2  | 720.3  | 675.8  |
| 42.5° | 1349.1 | 1207.2 | 1085.4 | 986.9  | 908.2  | 846.5  | 802.6  | 767.7  | 726.8  | 682.9  | 642.5  |
| 45°   | 1308.7 | 1161.7 | 1032.4 | 928.4  | 848.6  | 787.4  | 742.5  | 715.2  | 683.4  | 641.0  | 606.1  |
| 47.5° | 1255.1 | 1110.2 | 976.8  | 869.3  | 786.9  | 730.4  | 687.4  | 660.7  | 637.4  | 604.1  | 571.3  |
| 50°   | 1178.9 | 1051.1 | 915.7  | 809.2  | 726.8  | 669.7  | 630.9  | 607.1  | 587.9  | 563.7  | 536.9  |
| 52.5° | 1093.5 | 976.8  | 855.6  | 750.6  | 669.2  | 613.2  | 575.3  | 555.1  | 539.9  | 524.3  | 498.0  |
| 55°   | 1002.1 | 901.1  | 785.9  | 685.9  | 610.7  | 555.6  | 522.3  | 504.1  | 490.9  | 477.8  | 461.7  |
| 57.5° | 903.6  | 821.8  | 716.2  | 622.8  | 553.1  | 501.6  | 470.2  | 451.6  | 440.9  | 433.9  | 423.8  |
| 60°   | 798.5  | 730.9  | 643.0  | 559.6  | 492.0  | 447.5  | 417.2  | 403.6  | 395.0  | 389.4  | 382.4  |
| 62.5° | 701.1  | 648.5  | 568.7  | 494.5  | 437.4  | 396.0  | 369.7  | 356.6  | 348.5  | 346.5  | 340.9  |
| 65°   | 605.6  | 562.7  | 495.5  | 432.4  | 381.8  | 346.0  | 323.3  | 310.6  | 305.6  | 302.5  | 303.1  |
| 67.5° | 509.6  | 481.9  | 425.8  | 370.2  | 328.8  | 297.0  | 278.3  | 268.7  | 266.2  | 261.6  | 261.6  |
| 70°   | 423.3  | 403.6  | 358.1  | 311.1  | 275.3  | 252.0  | 235.9  | 225.8  | 223.2  | 221.2  | 220.7  |
| 72.5° | 347.0  | 330.3  | 292.4  | 257.1  | 225.8  | 206.1  | 193.4  | 188.4  | 183.9  | 182.8  | 182.8  |
| 75°   | 272.2  | 262.6  | 231.3  | 201.5  | 179.3  | 165.2  | 156.1  | 150.5  | 147.5  | 147.0  | 147.5  |
| 77.5° | 205.6  | 196.5  | 174.8  | 152.5  | 137.9  | 126.8  | 118.2  | 116.7  | 112.6  | 113.1  | 112.1  |
| 80°   | 145.5  | 139.9  | 127.3  | 110.6  | 99.0   | 89.9   | 85.9   | 82.3   | 81.3   | 79.8   | 81.3   |
| 82.5° | 95.5   | 89.4   | 81.8   | 72.7   | 63.6   | 59.1   | 55.1   | 54.5   | 54.0   | 53.5   | 53.5   |
| 85°   | 52.0   | 52.5   | 47.5   | 39.4   | 35.4   | 32.3   | 29.8   | 29.8   | 29.3   | 28.8   | 29.3   |
| 87.5° | 22.2   | 21.2   | 19.2   | 17.7   | 15.2   | 13.6   | 13.1   | 13.6   | 12.1   | 11.6   | 12.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P334283

CATALOG NUMBER: S125DS-S1090D927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 | 1190.0 |
| 2.5°  | 1164.2 | 1158.7 | 1154.1 | 1144.0 | 1138.5 | 1130.9 | 1124.8 | 1131.4 | 1124.3 | 1127.4 | 1122.8 |
| 5°    | 1132.9 | 1118.8 | 1108.7 | 1094.0 | 1081.4 | 1069.8 | 1061.2 | 1059.7 | 1055.6 | 1053.6 | 1047.6 |
| 7.5°  | 1095.5 | 1079.4 | 1062.7 | 1044.5 | 1029.4 | 1013.2 | 1003.6 | 994.5  | 989.0  | 981.9  | 976.3  |
| 10°   | 1063.2 | 1039.5 | 1019.3 | 996.0  | 975.8  | 958.2  | 944.0  | 936.9  | 930.4  | 920.8  | 917.2  |
| 12.5° | 1023.3 | 998.6  | 972.8  | 947.5  | 928.4  | 908.2  | 896.5  | 884.9  | 880.9  | 869.8  | 869.3  |
| 15°   | 993.0  | 956.1  | 931.9  | 906.6  | 879.9  | 863.7  | 853.6  | 842.0  | 836.9  | 829.4  | 823.8  |
| 17.5° | 955.6  | 922.3  | 892.0  | 866.2  | 842.0  | 828.9  | 815.7  | 807.6  | 799.1  | 793.5  | 784.4  |
| 20°   | 914.2  | 882.9  | 852.6  | 824.8  | 807.1  | 791.5  | 781.4  | 773.8  | 764.7  | 762.2  | 753.1  |
| 22.5° | 879.4  | 844.0  | 815.2  | 793.0  | 773.3  | 755.1  | 744.0  | 739.5  | 733.9  | 724.8  | 724.8  |
| 25°   | 841.0  | 805.1  | 780.4  | 757.1  | 740.0  | 723.8  | 716.2  | 709.7  | 703.6  | 698.0  | 696.0  |
| 27.5° | 808.6  | 776.8  | 746.5  | 725.3  | 710.7  | 695.5  | 688.9  | 680.4  | 675.8  | 671.3  | 665.2  |
| 30°   | 774.3  | 741.5  | 715.7  | 695.5  | 679.3  | 666.2  | 659.1  | 653.6  | 649.5  | 645.5  | 642.5  |
| 32.5° | 738.9  | 709.1  | 684.4  | 664.7  | 648.5  | 639.4  | 633.4  | 629.8  | 625.3  | 620.3  | 616.2  |
| 35°   | 708.6  | 675.3  | 651.1  | 633.9  | 621.3  | 613.7  | 606.6  | 603.1  | 598.0  | 598.0  | 594.0  |
| 37.5° | 672.8  | 643.5  | 621.8  | 606.1  | 595.0  | 587.9  | 579.8  | 577.8  | 574.3  | 572.3  | 570.8  |
| 40°   | 641.5  | 614.7  | 594.5  | 578.8  | 566.7  | 561.2  | 555.1  | 551.1  | 549.0  | 546.5  | 545.5  |
| 42.5° | 609.1  | 583.9  | 564.7  | 550.5  | 540.4  | 535.9  | 530.3  | 527.8  | 523.3  | 519.7  | 519.2  |
| 45°   | 576.3  | 551.6  | 533.9  | 522.3  | 513.2  | 507.6  | 504.1  | 498.0  | 496.0  | 492.0  | 491.5  |
| 47.5° | 546.0  | 521.8  | 504.1  | 494.5  | 486.4  | 482.4  | 476.8  | 470.2  | 467.7  | 465.2  | 464.7  |
| 50°   | 511.2  | 489.4  | 473.3  | 464.2  | 456.6  | 450.0  | 444.5  | 440.4  | 438.9  | 438.9  | 439.9  |
| 52.5° | 475.8  | 458.1  | 445.0  | 433.4  | 426.3  | 419.2  | 414.2  | 412.2  | 409.6  | 412.7  | 414.7  |
| 55°   | 441.4  | 422.8  | 412.7  | 402.1  | 395.0  | 386.9  | 384.4  | 383.4  | 381.8  | 385.9  | 387.9  |
| 57.5° | 404.6  | 391.9  | 379.8  | 368.7  | 362.7  | 357.6  | 353.6  | 353.1  | 356.1  | 357.1  | 363.2  |
| 60°   | 369.7  | 354.6  | 344.0  | 335.9  | 328.3  | 325.3  | 324.3  | 323.3  | 325.3  | 330.8  | 339.4  |
| 62.5° | 331.3  | 319.7  | 308.1  | 302.5  | 297.5  | 291.9  | 291.9  | 293.0  | 297.5  | 304.1  | 312.7  |
| 65°   | 294.0  | 283.4  | 275.8  | 268.7  | 264.2  | 261.1  | 262.1  | 264.2  | 268.7  | 277.3  | 286.9  |
| 67.5° | 255.6  | 248.5  | 241.4  | 234.9  | 230.3  | 230.8  | 231.3  | 233.9  | 239.4  | 249.5  | 258.6  |
| 70°   | 218.7  | 210.6  | 205.1  | 202.5  | 199.0  | 197.0  | 200.0  | 205.1  | 209.6  | 218.7  | 226.3  |
| 72.5° | 181.8  | 175.3  | 171.2  | 169.7  | 168.7  | 167.2  | 167.7  | 173.2  | 179.8  | 188.9  | 198.0  |
| 75°   | 145.5  | 142.9  | 139.9  | 137.9  | 136.4  | 137.4  | 138.4  | 143.4  | 148.5  | 158.1  | 168.2  |
| 77.5° | 112.6  | 109.6  | 107.6  | 107.1  | 106.1  | 106.6  | 109.1  | 113.1  | 118.2  | 125.3  | 133.3  |
| 80°   | 80.3   | 79.3   | 78.3   | 77.8   | 77.8   | 78.3   | 82.3   | 84.9   | 89.4   | 96.0   | 102.0  |
| 82.5° | 53.0   | 52.5   | 52.5   | 52.5   | 53.0   | 53.0   | 55.1   | 58.6   | 62.1   | 66.7   | 71.7   |
| 85°   | 30.8   | 29.8   | 31.3   | 31.8   | 30.8   | 32.3   | 33.3   | 35.4   | 36.9   | 39.4   | 41.9   |
| 87.5° | 12.6   | 13.6   | 13.1   | 13.6   | 13.6   | 14.6   | 14.1   | 16.2   | 17.2   | 18.2   | 17.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





TEST NUMBER: P334283

CATALOG NUMBER: S125DS-S1090D927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1190.0 | 1190.0 | 1190.0 | 1190.0 |
| 2.5°  | 1119.8 | 1123.3 | 1120.3 | 1124.3 |
| 5°    | 1045.0 | 1040.5 | 1043.5 | 1041.5 |
| 7.5°  | 975.8  | 971.8  | 965.7  | 963.7  |
| 10°   | 911.7  | 906.1  | 905.6  | 902.1  |
| 12.5° | 864.7  | 859.7  | 852.6  | 851.6  |
| 15°   | 820.8  | 816.7  | 813.2  | 816.2  |
| 17.5° | 783.4  | 779.9  | 778.8  | 775.8  |
| 20°   | 748.5  | 746.0  | 747.0  | 740.5  |
| 22.5° | 720.8  | 715.2  | 714.2  | 714.2  |
| 25°   | 691.5  | 688.9  | 686.4  | 688.9  |
| 27.5° | 665.7  | 663.2  | 662.2  | 662.7  |
| 30°   | 642.5  | 637.4  | 637.9  | 637.4  |
| 32.5° | 617.2  | 614.2  | 613.2  | 612.2  |
| 35°   | 592.5  | 592.5  | 589.9  | 589.9  |
| 37.5° | 569.7  | 569.2  | 567.7  | 568.7  |
| 40°   | 543.5  | 543.0  | 541.5  | 538.4  |
| 42.5° | 518.2  | 516.2  | 515.7  | 515.2  |
| 45°   | 491.5  | 491.5  | 490.4  | 489.9  |
| 47.5° | 465.2  | 466.2  | 468.2  | 467.7  |
| 50°   | 442.0  | 442.5  | 444.0  | 444.5  |
| 52.5° | 416.2  | 419.7  | 421.8  | 421.2  |
| 55°   | 392.5  | 396.0  | 399.5  | 400.0  |
| 57.5° | 368.7  | 373.3  | 376.8  | 377.8  |
| 60°   | 344.5  | 351.0  | 355.6  | 357.6  |
| 62.5° | 321.2  | 328.8  | 333.4  | 333.4  |
| 65°   | 295.5  | 303.1  | 307.1  | 310.1  |
| 67.5° | 268.7  | 276.3  | 280.3  | 282.9  |
| 70°   | 238.9  | 246.5  | 252.5  | 254.6  |
| 72.5° | 209.6  | 216.2  | 220.7  | 223.2  |
| 75°   | 174.8  | 183.9  | 188.4  | 190.9  |
| 77.5° | 141.4  | 150.5  | 153.0  | 154.6  |
| 80°   | 108.1  | 113.1  | 116.7  | 117.2  |
| 82.5° | 76.8   | 80.8   | 81.3   | 82.8   |
| 85°   | 45.5   | 47.5   | 48.0   | 47.5   |
| 87.5° | 18.7   | 18.2   | 18.2   | 19.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)