

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: P334393

Luminaire Tested: **S125RDP-S1090D930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P334393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDP-S1090D930-4F0-1E-UDD-A  
Description: DEFINE 5 REGRESSED DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER  
PENDANT/SURFACE/WALL MOUNT, 1090 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3280.9 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.21 / 1.48  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Direct

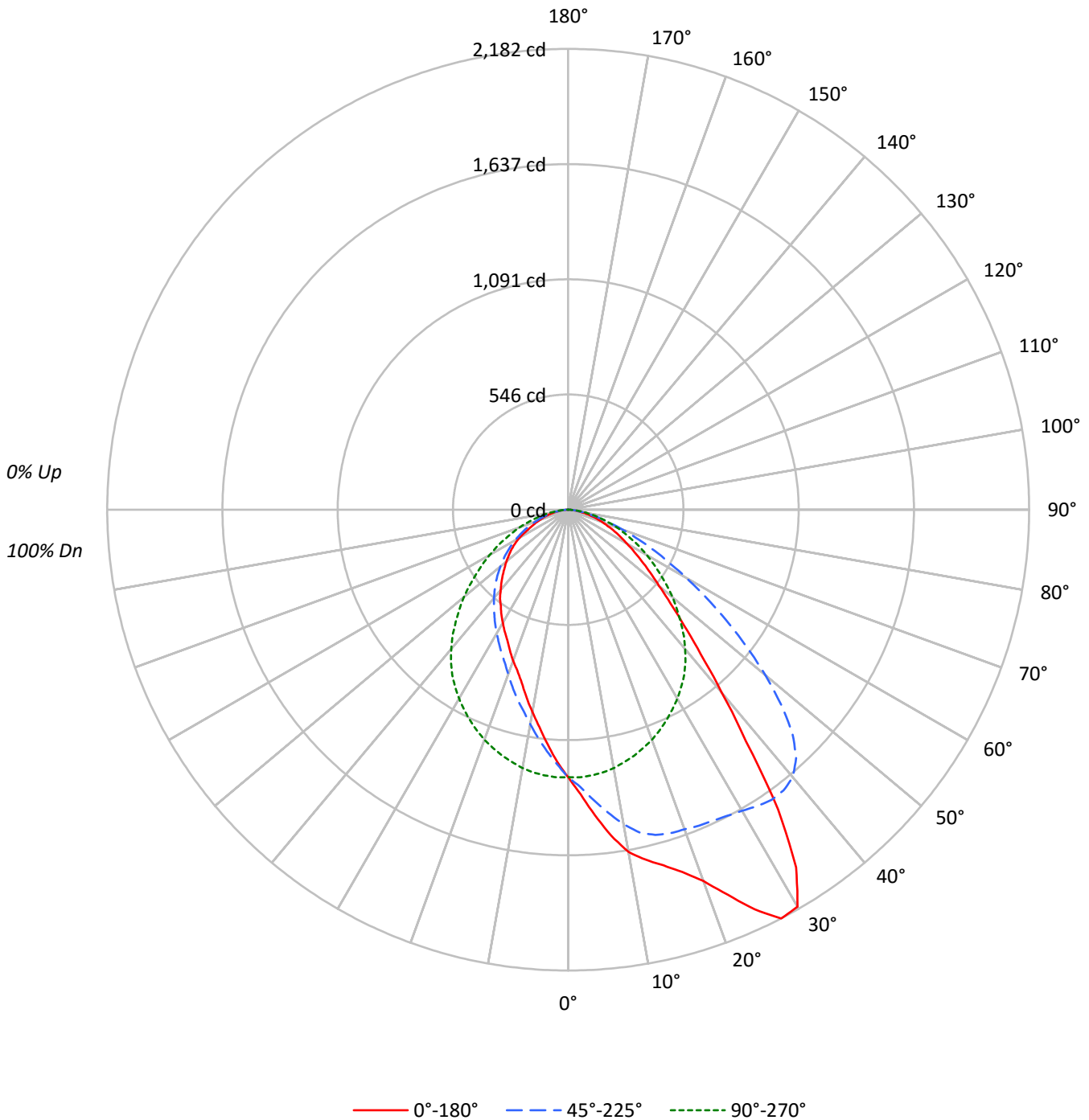
Input Watts (W): 34.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 110 | 106 | 102 | 98  | 107 | 103 | 100 | 97  | 99  | 96  | 94  | 95  | 93  | 91  | 92  | 90  | 88  | 86  |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 73  |
| 3   | 92  | 83  | 75  | 69  | 90  | 81  | 74  | 69  | 78  | 72  | 67  | 76  | 70  | 66  | 73  | 69  | 65  | 63  |
| 4   | 85  | 74  | 66  | 59  | 83  | 73  | 65  | 59  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 57  | 55  |
| 5   | 79  | 66  | 58  | 52  | 77  | 65  | 57  | 51  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 48  |
| 6   | 73  | 60  | 52  | 45  | 71  | 59  | 51  | 45  | 57  | 50  | 45  | 56  | 49  | 44  | 54  | 49  | 44  | 42  |
| 7   | 68  | 55  | 46  | 40  | 66  | 54  | 46  | 40  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 39  | 37  |
| 8   | 63  | 50  | 42  | 36  | 61  | 49  | 42  | 36  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 35  | 34  |
| 9   | 59  | 46  | 38  | 33  | 58  | 45  | 38  | 33  | 44  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 30  |
| 10  | 55  | 42  | 35  | 30  | 54  | 42  | 35  | 30  | 41  | 34  | 30  | 40  | 34  | 29  | 39  | 33  | 29  | 28  |

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

|     | 0°    | 90°  | 180° |
|-----|-------|------|------|
| 0°  | 8178  | 8178 | 8178 |
| 5°  | 9409  | 8189 | 7232 |
| 10° | 10793 | 8148 | 6382 |
| 15° | 11657 | 8064 | 5673 |
| 20° | 12854 | 7967 | 5238 |
| 25° | 14876 | 7838 | 4860 |
| 30° | 16189 | 7703 | 4613 |
| 35° | 13655 | 7545 | 4385 |
| 40° | 9536  | 7261 | 4190 |
| 45° | 7074  | 6879 | 3998 |
| 50° | 5641  | 6482 | 3833 |
| 55° | 4788  | 5988 | 3688 |
| 60° | 4136  | 5546 | 3451 |
| 65° | 3686  | 5067 | 2971 |
| 70° | 3238  | 4643 | 2710 |
| 75° | 2802  | 4020 | 2543 |
| 80° | 2127  | 3384 | 2127 |
| 85° | 1771  | 2660 | 2001 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 121.4  | 3.7       |
| 10°-20°   | 356.0  | 10.9      |
| 20°-30°   | 564.5  | 17.2      |
| 30°-40°   | 682.1  | 20.8      |
| 40°-50°   | 607.4  | 18.5      |
| 50°-60°   | 465.7  | 14.2      |
| 60°-70°   | 302.5  | 9.2       |
| 70°-80°   | 146.8  | 4.5       |
| 80°-90°   | 34.5   | 1.1       |
| 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°    | 1041.9 | 31.8      |
| 0°-40°    | 1724.0 | 52.5      |
| 0°-60°    | 2797.2 | 85.3      |
| 0°-90°    | 3280.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3280.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1266 | 1266 | 1266 | 1266 | 1266 |      |
| 5°  | 1451 | 1380 | 1263 | 1148 | 1116 | 145  |
| 15° | 1744 | 1594 | 1206 | 929  | 848  | 499  |
| 25° | 2088 | 1624 | 1100 | 748  | 682  | 961  |
| 35° | 1732 | 1678 | 957  | 609  | 556  | 1050 |
| 45° | 774  | 1502 | 753  | 483  | 438  | 614  |
| 55° | 425  | 912  | 532  | 354  | 328  | 385  |
| 65° | 241  | 435  | 332  | 227  | 194  | 240  |
| 75° | 112  | 152  | 161  | 112  | 102  | 119  |
| 85° | 24   | 26   | 36   | 29   | 27   | 28   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P334393

CATALOG NUMBER: S125RDP-S1090D930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 |
| 2.5°  | 1348.4 | 1347.4 | 1349.5 | 1343.7 | 1344.3 | 1335.4 | 1335.4 | 1328.7 | 1319.8 | 1313.1 | 1310.0 |
| 5°    | 1451.3 | 1452.4 | 1450.3 | 1442.5 | 1437.3 | 1429.5 | 1420.7 | 1405.1 | 1392.1 | 1379.6 | 1369.7 |
| 7.5°  | 1556.3 | 1557.4 | 1550.6 | 1549.1 | 1535.6 | 1527.2 | 1507.5 | 1487.2 | 1469.5 | 1446.1 | 1429.5 |
| 10°   | 1645.8 | 1645.2 | 1638.0 | 1632.2 | 1620.8 | 1606.3 | 1587.0 | 1562.1 | 1538.7 | 1512.7 | 1487.7 |
| 12.5° | 1697.7 | 1696.2 | 1695.1 | 1687.9 | 1677.5 | 1665.0 | 1649.4 | 1625.0 | 1594.8 | 1565.7 | 1535.6 |
| 15°   | 1743.5 | 1739.8 | 1733.1 | 1724.3 | 1709.2 | 1694.1 | 1675.9 | 1654.1 | 1626.5 | 1594.3 | 1567.3 |
| 17.5° | 1798.6 | 1799.1 | 1788.7 | 1779.4 | 1759.6 | 1734.6 | 1707.6 | 1674.3 | 1639.0 | 1606.3 | 1579.2 |
| 20°   | 1870.3 | 1868.8 | 1858.4 | 1834.5 | 1811.1 | 1777.8 | 1745.6 | 1702.4 | 1656.7 | 1610.4 | 1574.5 |
| 22.5° | 1973.2 | 1968.6 | 1957.7 | 1924.4 | 1884.9 | 1839.7 | 1786.1 | 1731.0 | 1673.3 | 1619.2 | 1569.3 |
| 25°   | 2087.6 | 2084.5 | 2063.2 | 2026.8 | 1975.8 | 1909.8 | 1845.4 | 1773.1 | 1693.6 | 1624.4 | 1567.3 |
| 27.5° | 2182.2 | 2176.0 | 2156.7 | 2122.4 | 2072.5 | 2001.3 | 1912.4 | 1818.9 | 1724.3 | 1633.3 | 1554.8 |
| 30°   | 2170.8 | 2178.6 | 2176.5 | 2162.5 | 2127.1 | 2064.7 | 1984.2 | 1875.5 | 1757.5 | 1645.8 | 1547.5 |
| 32.5° | 2007.6 | 2014.3 | 2037.7 | 2075.7 | 2087.1 | 2071.5 | 2016.4 | 1918.1 | 1794.9 | 1664.0 | 1541.8 |
| 35°   | 1732.0 | 1741.4 | 1776.8 | 1832.4 | 1905.1 | 1966.0 | 1978.4 | 1924.4 | 1814.7 | 1678.0 | 1536.1 |
| 37.5° | 1381.7 | 1442.5 | 1466.4 | 1523.1 | 1637.4 | 1748.2 | 1844.3 | 1866.2 | 1806.9 | 1674.9 | 1529.3 |
| 40°   | 1131.1 | 1143.6 | 1196.6 | 1262.6 | 1355.2 | 1471.6 | 1625.0 | 1735.7 | 1739.3 | 1654.1 | 1507.5 |
| 42.5° | 927.4  | 944.0  | 976.2  | 1025.6 | 1101.5 | 1217.9 | 1377.5 | 1532.4 | 1616.1 | 1596.9 | 1478.9 |
| 45°   | 774.5  | 786.5  | 813.0  | 853.5  | 914.4  | 1010.5 | 1146.7 | 1315.7 | 1449.8 | 1502.3 | 1423.3 |
| 47.5° | 655.0  | 661.2  | 685.6  | 718.4  | 765.2  | 838.0  | 948.7  | 1101.5 | 1261.1 | 1367.7 | 1346.9 |
| 50°   | 561.4  | 568.7  | 586.4  | 609.8  | 647.7  | 707.0  | 791.2  | 913.3  | 1079.2 | 1216.9 | 1244.5 |
| 52.5° | 488.6  | 494.4  | 503.7  | 525.5  | 555.2  | 597.3  | 661.2  | 768.8  | 913.8  | 1062.5 | 1135.3 |
| 55°   | 425.2  | 429.4  | 438.2  | 450.7  | 475.6  | 508.4  | 567.1  | 643.5  | 764.1  | 911.8  | 1005.3 |
| 57.5° | 371.2  | 373.2  | 378.4  | 390.9  | 409.1  | 433.5  | 478.2  | 547.9  | 635.2  | 774.0  | 876.9  |
| 60°   | 320.2  | 322.3  | 329.6  | 337.4  | 350.9  | 372.7  | 406.0  | 451.2  | 534.4  | 644.1  | 748.5  |
| 62.5° | 279.7  | 280.7  | 282.8  | 290.6  | 302.0  | 317.6  | 342.0  | 376.9  | 438.7  | 531.8  | 629.0  |
| 65°   | 241.2  | 241.7  | 242.8  | 249.0  | 256.3  | 268.7  | 285.9  | 311.9  | 361.8  | 434.6  | 521.9  |
| 67.5° | 202.7  | 203.8  | 207.4  | 209.5  | 218.3  | 224.6  | 235.5  | 256.3  | 294.7  | 346.7  | 417.4  |
| 70°   | 171.5  | 171.0  | 174.7  | 177.3  | 179.9  | 187.7  | 194.4  | 210.5  | 232.4  | 269.8  | 326.4  |
| 72.5° | 142.4  | 140.9  | 141.9  | 142.4  | 146.1  | 150.7  | 157.5  | 165.8  | 181.4  | 204.3  | 244.3  |
| 75°   | 112.3  | 112.8  | 112.8  | 113.8  | 116.4  | 118.5  | 120.6  | 125.8  | 135.2  | 152.3  | 175.7  |
| 77.5° | 84.2   | 83.2   | 85.8   | 85.8   | 87.9   | 90.4   | 92.0   | 94.1   | 97.7   | 105.5  | 119.6  |
| 80°   | 57.2   | 57.2   | 57.7   | 59.3   | 58.7   | 59.8   | 62.4   | 64.5   | 69.1   | 73.3   | 77.5   |
| 82.5° | 40.5   | 40.0   | 40.5   | 40.5   | 40.5   | 41.6   | 42.1   | 42.1   | 43.1   | 44.7   | 47.3   |
| 85°   | 23.9   | 23.9   | 24.4   | 24.4   | 25.0   | 25.0   | 25.5   | 25.5   | 25.5   | 26.0   | 26.5   |
| 87.5° | 11.4   | 10.9   | 10.4   | 10.4   | 10.9   | 12.0   | 11.4   | 10.9   | 10.9   | 10.9   | 11.4   |
| 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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CATALOG NUMBER: S125RDP-S1090D930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 |
| 2.5°  | 1310.0 | 1306.3 | 1299.6 | 1293.3 | 1285.5 | 1278.8 | 1274.1 | 1268.4 | 1261.1 | 1252.3 | 1245.0 |
| 5°    | 1358.8 | 1347.4 | 1332.3 | 1319.3 | 1302.7 | 1289.7 | 1276.2 | 1263.2 | 1250.2 | 1233.5 | 1219.0 |
| 7.5°  | 1412.9 | 1390.5 | 1369.7 | 1342.7 | 1318.3 | 1297.0 | 1276.2 | 1254.9 | 1234.6 | 1211.7 | 1190.4 |
| 10°   | 1461.7 | 1433.2 | 1401.4 | 1365.1 | 1331.8 | 1300.1 | 1271.0 | 1242.4 | 1212.2 | 1185.7 | 1157.1 |
| 12.5° | 1507.5 | 1468.5 | 1431.1 | 1382.7 | 1341.1 | 1300.6 | 1261.6 | 1224.2 | 1191.4 | 1155.0 | 1123.9 |
| 15°   | 1531.4 | 1495.0 | 1454.5 | 1398.3 | 1342.7 | 1295.9 | 1252.3 | 1206.0 | 1166.0 | 1127.5 | 1093.2 |
| 17.5° | 1545.4 | 1507.0 | 1460.2 | 1405.6 | 1345.8 | 1287.6 | 1232.5 | 1183.1 | 1137.4 | 1093.2 | 1055.2 |
| 20°   | 1539.2 | 1502.3 | 1453.9 | 1402.5 | 1337.5 | 1276.2 | 1215.3 | 1159.2 | 1106.7 | 1059.4 | 1018.3 |
| 22.5° | 1524.1 | 1485.7 | 1439.4 | 1384.3 | 1323.5 | 1257.5 | 1191.4 | 1130.6 | 1075.0 | 1025.6 | 979.9  |
| 25°   | 1509.0 | 1457.1 | 1409.2 | 1356.2 | 1297.5 | 1233.0 | 1166.0 | 1099.9 | 1041.2 | 991.3  | 942.4  |
| 27.5° | 1494.5 | 1431.6 | 1372.3 | 1321.4 | 1258.5 | 1200.3 | 1134.8 | 1066.7 | 1005.3 | 954.9  | 905.0  |
| 30°   | 1473.2 | 1400.4 | 1333.3 | 1273.6 | 1214.8 | 1160.2 | 1098.9 | 1032.9 | 969.5  | 917.0  | 866.0  |
| 32.5° | 1446.7 | 1368.2 | 1292.8 | 1221.6 | 1165.4 | 1111.4 | 1057.3 | 994.9  | 933.6  | 879.0  | 827.0  |
| 35°   | 1425.4 | 1326.6 | 1246.5 | 1173.2 | 1110.3 | 1057.8 | 1007.9 | 957.0  | 895.1  | 839.0  | 788.6  |
| 37.5° | 1395.7 | 1287.1 | 1196.6 | 1116.6 | 1051.1 | 999.1  | 959.1  | 910.7  | 853.0  | 798.4  | 751.7  |
| 40°   | 1369.2 | 1243.4 | 1142.1 | 1063.0 | 993.4  | 937.8  | 900.9  | 861.3  | 809.9  | 759.5  | 712.7  |
| 42.5° | 1333.9 | 1203.4 | 1086.9 | 1003.8 | 933.6  | 880.6  | 843.2  | 809.9  | 768.8  | 722.0  | 671.1  |
| 45°   | 1285.5 | 1149.3 | 1030.3 | 941.9  | 871.2  | 818.7  | 783.9  | 753.2  | 720.5  | 676.8  | 633.1  |
| 47.5° | 1227.8 | 1097.9 | 972.6  | 875.4  | 807.3  | 757.9  | 723.6  | 698.1  | 674.2  | 636.3  | 592.1  |
| 50°   | 1155.6 | 1031.3 | 909.7  | 816.1  | 742.3  | 696.0  | 664.3  | 645.1  | 623.8  | 590.0  | 554.7  |
| 52.5° | 1070.3 | 962.7  | 844.2  | 748.0  | 679.4  | 636.8  | 606.6  | 587.4  | 570.8  | 544.8  | 511.5  |
| 55°   | 979.9  | 882.7  | 773.5  | 686.7  | 622.7  | 579.1  | 550.0  | 531.8  | 521.4  | 498.0  | 471.5  |
| 57.5° | 877.5  | 802.6  | 703.8  | 619.1  | 561.4  | 517.7  | 495.9  | 479.8  | 467.8  | 450.7  | 430.9  |
| 60°   | 769.3  | 720.5  | 634.2  | 554.7  | 502.7  | 461.6  | 442.4  | 429.4  | 418.5  | 404.4  | 389.9  |
| 62.5° | 659.7  | 627.4  | 555.2  | 489.7  | 442.9  | 410.1  | 392.5  | 381.0  | 368.0  | 359.7  | 345.7  |
| 65°   | 564.0  | 532.3  | 480.3  | 426.8  | 382.6  | 355.0  | 342.0  | 331.6  | 323.8  | 313.5  | 303.6  |
| 67.5° | 458.0  | 443.4  | 404.9  | 364.9  | 332.7  | 306.2  | 294.7  | 286.4  | 277.6  | 271.3  | 264.1  |
| 70°   | 361.8  | 355.6  | 330.1  | 305.7  | 276.0  | 259.4  | 249.0  | 245.9  | 234.4  | 228.2  | 223.5  |
| 72.5° | 276.5  | 274.5  | 262.5  | 247.4  | 228.7  | 214.7  | 205.3  | 201.7  | 195.5  | 190.8  | 188.2  |
| 75°   | 201.2  | 202.2  | 199.6  | 188.7  | 180.9  | 171.5  | 163.2  | 161.1  | 155.9  | 151.8  | 149.2  |
| 77.5° | 137.2  | 142.4  | 141.4  | 140.9  | 137.2  | 130.5  | 126.8  | 125.3  | 119.6  | 118.0  | 117.5  |
| 80°   | 87.3   | 93.0   | 98.2   | 97.7   | 96.7   | 95.1   | 92.5   | 91.0   | 88.4   | 86.8   | 85.8   |
| 82.5° | 50.9   | 56.1   | 60.3   | 63.9   | 63.9   | 62.4   | 60.8   | 60.3   | 60.3   | 59.3   | 59.3   |
| 85°   | 27.6   | 28.6   | 30.1   | 33.8   | 36.4   | 36.9   | 36.4   | 35.9   | 34.3   | 34.8   | 35.3   |
| 87.5° | 12.0   | 12.0   | 12.5   | 12.5   | 12.0   | 14.6   | 16.1   | 16.6   | 15.6   | 14.6   | 13.5   |
| 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: P334393

CATALOG NUMBER: S125RDP-S1090D930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 | 1266.3 |
| 2.5°  | 1239.8 | 1232.5 | 1227.3 | 1216.9 | 1209.6 | 1206.5 | 1200.8 | 1199.2 | 1204.9 | 1200.8 | 1200.3 |
| 5°    | 1208.1 | 1193.0 | 1181.0 | 1169.1 | 1156.1 | 1147.8 | 1135.3 | 1133.2 | 1130.1 | 1125.4 | 1124.4 |
| 7.5°  | 1171.2 | 1152.4 | 1138.4 | 1118.7 | 1102.5 | 1089.5 | 1074.0 | 1067.7 | 1064.6 | 1058.9 | 1049.5 |
| 10°   | 1133.7 | 1110.3 | 1089.5 | 1069.8 | 1048.5 | 1031.3 | 1015.7 | 1003.8 | 996.0  | 988.7  | 985.6  |
| 12.5° | 1096.8 | 1072.9 | 1044.8 | 1019.9 | 995.5  | 975.7  | 958.0  | 951.3  | 942.4  | 933.6  | 925.3  |
| 15°   | 1058.4 | 1026.6 | 997.5  | 970.0  | 949.7  | 928.9  | 912.3  | 900.9  | 887.9  | 884.2  | 870.2  |
| 17.5° | 1017.3 | 987.7  | 953.4  | 923.7  | 900.9  | 879.0  | 860.8  | 847.3  | 837.4  | 823.4  | 816.6  |
| 20°   | 979.3  | 942.4  | 909.2  | 882.7  | 856.7  | 829.6  | 810.9  | 800.0  | 790.7  | 779.7  | 774.5  |
| 22.5° | 938.8  | 902.9  | 868.6  | 836.4  | 809.9  | 783.4  | 771.4  | 760.0  | 749.1  | 739.2  | 731.9  |
| 25°   | 899.3  | 862.9  | 827.0  | 794.8  | 767.3  | 748.0  | 732.4  | 719.4  | 713.7  | 703.8  | 696.6  |
| 27.5° | 859.8  | 821.3  | 784.9  | 751.1  | 729.8  | 710.6  | 698.1  | 687.7  | 676.8  | 668.0  | 661.2  |
| 30°   | 821.8  | 782.3  | 741.8  | 716.3  | 693.4  | 675.2  | 661.2  | 651.3  | 643.5  | 635.7  | 631.1  |
| 32.5° | 783.9  | 742.8  | 708.0  | 679.9  | 658.6  | 643.5  | 629.0  | 619.6  | 611.3  | 602.5  | 596.8  |
| 35°   | 742.8  | 701.2  | 672.1  | 645.1  | 623.8  | 609.2  | 599.4  | 585.8  | 579.1  | 572.8  | 567.1  |
| 37.5° | 705.9  | 666.4  | 634.2  | 610.8  | 591.0  | 577.0  | 564.0  | 557.2  | 548.4  | 543.2  | 538.5  |
| 40°   | 664.3  | 629.0  | 600.4  | 575.4  | 561.9  | 545.8  | 533.9  | 524.5  | 518.3  | 511.0  | 505.8  |
| 42.5° | 626.9  | 594.7  | 567.1  | 545.3  | 527.6  | 514.6  | 503.2  | 493.8  | 485.5  | 480.8  | 476.7  |
| 45°   | 592.1  | 559.3  | 532.3  | 511.5  | 495.9  | 482.9  | 471.0  | 466.3  | 455.9  | 449.6  | 447.6  |
| 47.5° | 555.7  | 526.1  | 499.5  | 480.3  | 464.2  | 452.2  | 440.8  | 430.4  | 425.2  | 419.0  | 415.9  |
| 50°   | 518.8  | 490.7  | 466.3  | 447.6  | 432.0  | 418.5  | 408.1  | 401.8  | 394.0  | 388.3  | 384.1  |
| 52.5° | 481.9  | 456.4  | 432.0  | 414.3  | 401.3  | 387.8  | 375.8  | 369.6  | 362.3  | 359.2  | 356.6  |
| 55°   | 447.0  | 419.5  | 398.7  | 381.0  | 367.0  | 354.5  | 343.6  | 337.4  | 332.7  | 329.0  | 328.0  |
| 57.5° | 407.0  | 384.7  | 364.9  | 349.3  | 334.2  | 322.3  | 312.4  | 306.7  | 302.5  | 302.0  | 298.4  |
| 60°   | 368.0  | 348.3  | 330.6  | 313.5  | 301.0  | 290.1  | 281.7  | 275.0  | 270.8  | 270.3  | 269.3  |
| 62.5° | 329.0  | 310.3  | 294.2  | 279.7  | 268.7  | 258.4  | 250.6  | 242.8  | 240.7  | 237.6  | 235.0  |
| 65°   | 290.6  | 273.4  | 259.9  | 248.0  | 236.0  | 227.2  | 219.4  | 214.7  | 209.0  | 205.8  | 200.1  |
| 67.5° | 252.6  | 238.6  | 225.6  | 215.7  | 205.8  | 197.0  | 190.3  | 183.5  | 179.3  | 176.7  | 172.1  |
| 70°   | 215.2  | 204.8  | 191.8  | 180.9  | 173.6  | 166.9  | 161.7  | 153.9  | 151.3  | 149.2  | 147.1  |
| 72.5° | 179.9  | 171.0  | 160.6  | 152.3  | 145.0  | 138.8  | 132.6  | 130.0  | 127.4  | 125.3  | 124.2  |
| 75°   | 147.1  | 138.3  | 128.9  | 122.7  | 117.5  | 112.3  | 109.2  | 106.6  | 105.5  | 105.0  | 102.9  |
| 77.5° | 114.4  | 109.2  | 101.4  | 95.6   | 92.0   | 89.9   | 86.8   | 85.8   | 86.3   | 83.7   | 83.2   |
| 80°   | 82.7   | 80.1   | 73.8   | 71.7   | 69.1   | 67.1   | 65.5   | 62.9   | 60.3   | 59.3   | 57.7   |
| 82.5° | 56.1   | 53.5   | 52.0   | 48.3   | 46.3   | 45.2   | 43.7   | 43.1   | 44.2   | 42.6   | 42.1   |
| 85°   | 32.7   | 30.1   | 29.1   | 28.6   | 27.6   | 28.6   | 28.1   | 27.6   | 27.0   | 26.5   | 27.0   |
| 87.5° | 13.0   | 13.0   | 12.5   | 13.5   | 12.0   | 12.5   | 12.5   | 12.0   | 12.0   | 12.0   | 11.4   |
| 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: P334393

CATALOG NUMBER: S125RDP-S1090D930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1266.3 | 1266.3 | 1266.3 | 1266.3 |
| 2.5°  | 1199.8 | 1194.0 | 1192.5 | 1194.6 |
| 5°    | 1119.2 | 1114.0 | 1116.6 | 1115.5 |
| 7.5°  | 1051.1 | 1044.3 | 1036.5 | 1038.6 |
| 10°   | 978.8  | 973.6  | 970.5  | 973.1  |
| 12.5° | 918.0  | 915.4  | 912.8  | 910.7  |
| 15°   | 863.9  | 857.7  | 855.1  | 848.4  |
| 17.5° | 812.0  | 809.9  | 803.1  | 798.4  |
| 20°   | 766.7  | 764.7  | 757.9  | 762.1  |
| 22.5° | 729.3  | 724.1  | 723.1  | 720.5  |
| 25°   | 694.5  | 687.7  | 685.1  | 682.0  |
| 27.5° | 659.1  | 655.5  | 651.9  | 650.8  |
| 30°   | 624.8  | 621.2  | 618.6  | 618.6  |
| 32.5° | 594.2  | 591.6  | 589.0  | 588.4  |
| 35°   | 564.5  | 560.4  | 559.3  | 556.2  |
| 37.5° | 533.3  | 529.7  | 529.7  | 530.2  |
| 40°   | 503.7  | 501.1  | 500.6  | 497.0  |
| 42.5° | 472.0  | 471.0  | 468.9  | 467.8  |
| 45°   | 443.9  | 440.3  | 440.3  | 437.7  |
| 47.5° | 414.3  | 411.2  | 411.7  | 408.6  |
| 50°   | 384.7  | 383.1  | 382.6  | 381.5  |
| 52.5° | 355.0  | 354.5  | 357.1  | 354.5  |
| 55°   | 329.0  | 327.5  | 330.6  | 327.5  |
| 57.5° | 298.4  | 297.3  | 300.5  | 298.4  |
| 60°   | 268.2  | 265.1  | 266.7  | 267.2  |
| 62.5° | 232.4  | 230.8  | 231.8  | 228.7  |
| 65°   | 199.1  | 197.5  | 195.5  | 194.4  |
| 67.5° | 173.1  | 168.4  | 168.4  | 169.5  |
| 70°   | 144.0  | 144.0  | 143.5  | 143.5  |
| 72.5° | 123.7  | 123.2  | 122.2  | 121.6  |
| 75°   | 102.9  | 103.4  | 102.4  | 101.9  |
| 77.5° | 80.6   | 78.0   | 79.0   | 78.0   |
| 80°   | 57.7   | 57.2   | 58.7   | 57.2   |
| 82.5° | 42.6   | 42.1   | 42.6   | 41.6   |
| 85°   | 27.6   | 27.0   | 26.5   | 27.0   |
| 87.5° | 12.0   | 11.4   | 11.4   | 11.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)