

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: P334298

Luminaire Tested: **S125DP-S1090D940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P334298  
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: S125DP-S1090D940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER  
PENDANT/SURFACE/WALL MOUNT, 1090 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

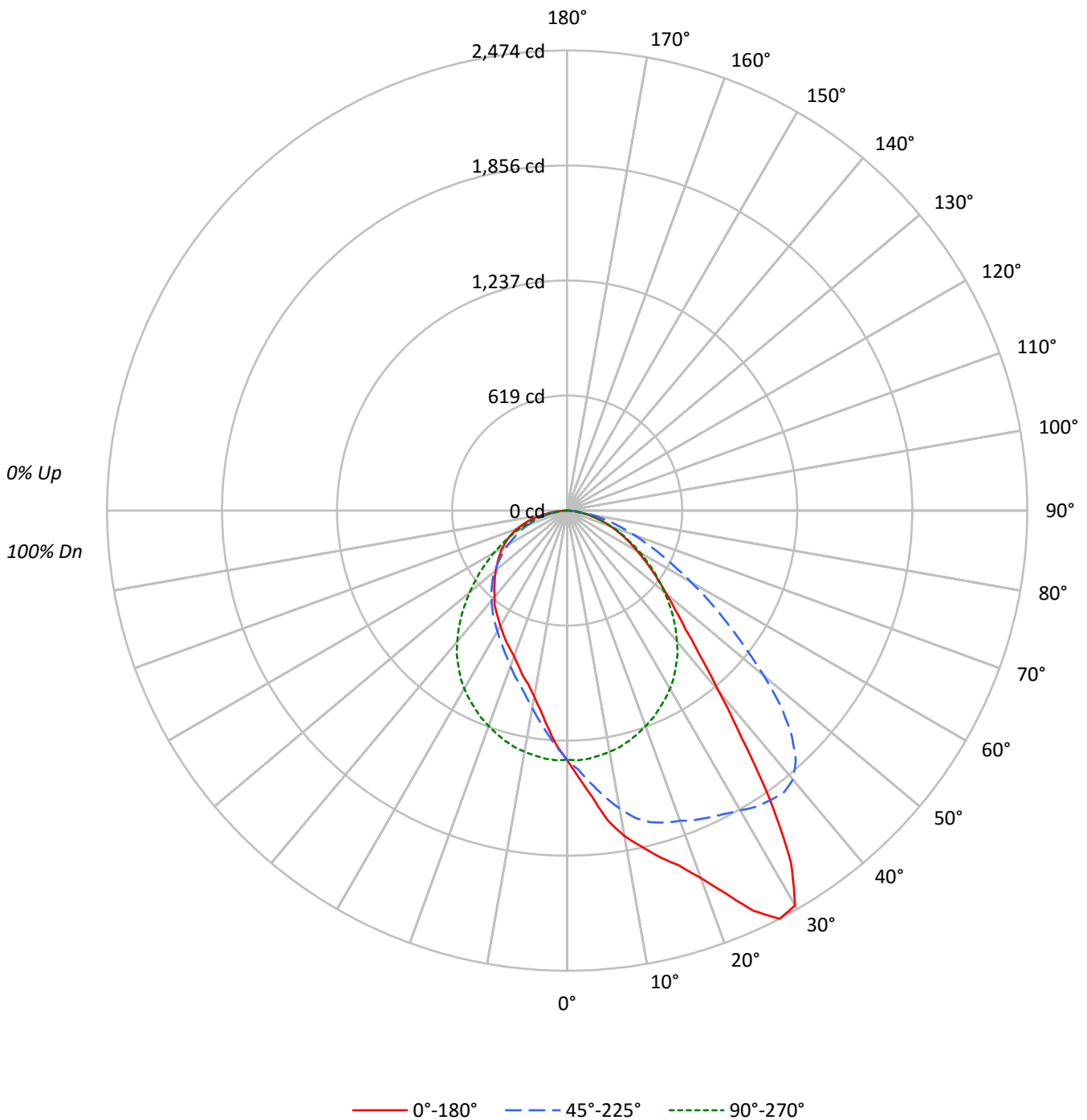
Lumens per Lamp: N/A  
Luminaire Lumens: 3780.1 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.53  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Direct

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

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

|     | 0°    | 90°  | 180° |
|-----|-------|------|------|
| 0°  | 8651  | 8651 | 8651 |
| 5°  | 10018 | 8680 | 7600 |
| 10° | 11655 | 8636 | 6659 |
| 15° | 12902 | 8572 | 6143 |
| 20° | 14443 | 8471 | 5729 |
| 25° | 16919 | 8358 | 5526 |
| 30° | 18274 | 8246 | 5351 |
| 35° | 15026 | 8037 | 5236 |
| 40° | 10679 | 7746 | 5110 |
| 45° | 8205  | 7353 | 5037 |
| 50° | 7003  | 6866 | 5027 |
| 55° | 6236  | 6389 | 5070 |
| 60° | 5625  | 5868 | 5199 |
| 65° | 5196  | 5344 | 5335 |
| 70° | 4725  | 4798 | 5410 |
| 75° | 4172  | 4227 | 5362 |
| 80° | 3511  | 3448 | 4906 |
| 85° | 2779  | 2482 | 3957 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 128.9  | 3.4       |
| 10°-20°   | 384.0  | 10.2      |
| 20°-30°   | 623.8  | 16.5      |
| 30°-40°   | 762.3  | 20.2      |
| 40°-50°   | 691.6  | 18.3      |
| 50°-60°   | 550.8  | 14.6      |
| 60°-70°   | 383.7  | 10.1      |
| 70°-80°   | 204.4  | 5.4       |
| 80°-90°   | 50.7   | 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°    | 1136.7 | 30.1      |
| 0°-40°    | 1899.0 | 50.2      |
| 0°-60°    | 3141.4 | 83.1      |
| 0°-90°    | 3780.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3780.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1340 | 1340 | 1340 | 1340 | 1340 |      |
| 5°  | 1545 | 1472 | 1339 | 1204 | 1172 | 155  |
| 15° | 1930 | 1735 | 1282 | 972  | 919  | 552  |
| 25° | 2374 | 1819 | 1173 | 815  | 776  | 1088 |
| 35° | 1906 | 1902 | 1019 | 691  | 664  | 1169 |
| 45° | 898  | 1706 | 805  | 571  | 552  | 715  |
| 55° | 554  | 1046 | 567  | 436  | 450  | 498  |
| 65° | 340  | 554  | 350  | 294  | 349  | 337  |
| 75° | 167  | 247  | 169  | 155  | 215  | 180  |
| 85° | 38   | 50   | 34   | 36   | 53   | 44   |
| 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°    | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 |
| 2.5°  | 1436.2 | 1433.9 | 1431.6 | 1427.1 | 1430.5 | 1420.8 | 1416.3 | 1408.3 | 1398.6 | 1395.2 | 1391.2 |
| 5°    | 1545.3 | 1548.2 | 1551.0 | 1539.1 | 1540.2 | 1532.2 | 1514.0 | 1499.3 | 1487.3 | 1472.0 | 1461.2 |
| 7.5°  | 1680.6 | 1672.1 | 1672.7 | 1665.3 | 1652.2 | 1641.4 | 1623.8 | 1599.3 | 1577.2 | 1552.1 | 1530.5 |
| 10°   | 1777.3 | 1777.9 | 1772.7 | 1763.6 | 1749.4 | 1739.2 | 1714.2 | 1690.3 | 1661.3 | 1627.2 | 1602.7 |
| 12.5° | 1850.1 | 1852.9 | 1846.1 | 1833.0 | 1827.9 | 1801.7 | 1783.5 | 1754.0 | 1718.2 | 1692.6 | 1652.2 |
| 15°   | 1929.7 | 1923.4 | 1918.9 | 1903.5 | 1891.6 | 1867.7 | 1836.4 | 1806.8 | 1769.3 | 1734.6 | 1700.0 |
| 17.5° | 2000.2 | 2005.3 | 1997.9 | 1986.5 | 1951.3 | 1923.4 | 1884.7 | 1847.2 | 1802.3 | 1759.1 | 1718.7 |
| 20°   | 2101.4 | 2105.9 | 2092.8 | 2068.4 | 2024.0 | 1996.2 | 1941.0 | 1888.7 | 1834.7 | 1775.0 | 1729.5 |
| 22.5° | 2227.6 | 2221.9 | 2203.1 | 2162.8 | 2125.8 | 2068.4 | 2007.5 | 1941.0 | 1870.0 | 1800.6 | 1736.3 |
| 25°   | 2374.3 | 2350.4 | 2339.6 | 2293.5 | 2242.9 | 2167.3 | 2085.4 | 1992.2 | 1908.0 | 1818.8 | 1741.5 |
| 27.5° | 2474.3 | 2464.7 | 2449.3 | 2411.8 | 2353.8 | 2267.9 | 2171.3 | 2059.9 | 1946.7 | 1837.5 | 1740.3 |
| 30°   | 2450.4 | 2451.6 | 2452.7 | 2442.5 | 2408.4 | 2347.5 | 2251.5 | 2129.2 | 1988.2 | 1861.4 | 1744.3 |
| 32.5° | 2238.9 | 2264.5 | 2289.0 | 2320.8 | 2341.3 | 2341.9 | 2290.7 | 2183.2 | 2037.1 | 1888.7 | 1742.0 |
| 35°   | 1905.8 | 1912.0 | 1976.3 | 2040.0 | 2126.4 | 2193.5 | 2238.4 | 2189.5 | 2067.2 | 1901.8 | 1740.3 |
| 37.5° | 1540.8 | 1572.0 | 1620.4 | 1692.0 | 1821.6 | 1927.4 | 2066.1 | 2113.9 | 2056.4 | 1912.6 | 1739.8 |
| 40°   | 1266.7 | 1295.2 | 1324.2 | 1397.5 | 1502.7 | 1638.0 | 1801.2 | 1940.5 | 1972.9 | 1888.7 | 1722.7 |
| 42.5° | 1055.2 | 1076.3 | 1109.2 | 1159.8 | 1243.4 | 1359.4 | 1513.5 | 1706.2 | 1838.1 | 1819.4 | 1686.9 |
| 45°   | 898.3  | 912.5  | 937.5  | 981.3  | 1045.0 | 1138.8 | 1276.4 | 1475.4 | 1648.8 | 1706.2 | 1626.0 |
| 47.5° | 786.9  | 787.4  | 807.9  | 839.2  | 887.5  | 973.9  | 1076.8 | 1240.6 | 1427.6 | 1560.1 | 1541.3 |
| 50°   | 697.0  | 694.2  | 709.5  | 735.7  | 772.1  | 825.0  | 922.2  | 1046.7 | 1224.7 | 1379.9 | 1423.1 |
| 52.5° | 619.7  | 620.9  | 628.8  | 646.4  | 675.4  | 718.6  | 785.2  | 894.3  | 1039.9 | 1200.2 | 1291.2 |
| 55°   | 553.8  | 551.5  | 562.3  | 575.4  | 597.5  | 627.1  | 679.4  | 765.3  | 888.6  | 1045.6 | 1151.3 |
| 57.5° | 490.1  | 496.3  | 500.9  | 510.0  | 529.3  | 549.8  | 596.4  | 662.4  | 764.1  | 903.4  | 1015.4 |
| 60°   | 435.5  | 441.8  | 445.2  | 454.3  | 469.1  | 486.1  | 520.2  | 571.4  | 653.8  | 769.8  | 880.7  |
| 62.5° | 386.6  | 391.2  | 391.7  | 399.7  | 411.1  | 427.5  | 452.6  | 493.5  | 554.3  | 652.1  | 760.1  |
| 65°   | 340.0  | 340.0  | 342.3  | 350.8  | 356.5  | 371.3  | 391.7  | 423.0  | 475.3  | 554.3  | 647.0  |
| 67.5° | 294.5  | 297.4  | 296.8  | 300.8  | 305.9  | 318.4  | 333.7  | 359.9  | 401.4  | 461.1  | 537.8  |
| 70°   | 250.2  | 252.4  | 251.9  | 254.7  | 260.4  | 267.8  | 279.7  | 304.2  | 332.0  | 381.5  | 445.2  |
| 72.5° | 210.4  | 210.9  | 209.2  | 213.2  | 216.0  | 222.3  | 235.9  | 246.2  | 271.8  | 311.6  | 361.0  |
| 75°   | 167.2  | 168.3  | 169.4  | 171.7  | 175.1  | 178.5  | 185.3  | 198.4  | 215.5  | 246.8  | 280.3  |
| 77.5° | 133.0  | 130.2  | 133.6  | 133.0  | 134.7  | 137.6  | 143.8  | 151.2  | 166.0  | 187.1  | 214.9  |
| 80°   | 94.4   | 94.9   | 94.9   | 95.5   | 98.4   | 100.1  | 105.2  | 110.3  | 121.1  | 135.9  | 154.1  |
| 82.5° | 62.5   | 64.2   | 63.1   | 64.2   | 66.5   | 67.7   | 69.9   | 73.9   | 79.0   | 89.8   | 101.8  |
| 85°   | 37.5   | 34.7   | 35.8   | 37.0   | 37.0   | 37.5   | 39.8   | 41.5   | 44.9   | 49.5   | 54.6   |
| 87.5° | 13.6   | 14.8   | 15.4   | 15.4   | 15.9   | 15.9   | 18.2   | 18.2   | 19.9   | 21.6   | 23.9   |
| 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°    | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 |
| 2.5°  | 1387.8 | 1383.8 | 1379.3 | 1371.3 | 1361.7 | 1356.6 | 1348.6 | 1343.5 | 1333.2 | 1324.7 | 1315.6 |
| 5°    | 1448.1 | 1433.3 | 1419.7 | 1402.0 | 1382.7 | 1370.2 | 1355.4 | 1338.9 | 1321.9 | 1304.3 | 1284.9 |
| 7.5°  | 1508.4 | 1483.9 | 1457.2 | 1429.3 | 1402.0 | 1376.5 | 1352.6 | 1328.1 | 1306.0 | 1278.1 | 1254.8 |
| 10°   | 1569.2 | 1536.2 | 1501.0 | 1459.5 | 1419.1 | 1383.8 | 1348.0 | 1316.8 | 1284.9 | 1250.8 | 1220.7 |
| 12.5° | 1630.0 | 1583.4 | 1530.0 | 1483.3 | 1432.7 | 1388.4 | 1344.6 | 1302.5 | 1260.5 | 1221.8 | 1185.4 |
| 15°   | 1652.2 | 1613.5 | 1567.5 | 1502.7 | 1448.1 | 1389.5 | 1333.8 | 1282.1 | 1233.8 | 1191.7 | 1147.3 |
| 17.5° | 1673.8 | 1624.3 | 1575.4 | 1512.9 | 1441.8 | 1378.7 | 1315.6 | 1259.3 | 1205.9 | 1153.0 | 1112.6 |
| 20°   | 1678.9 | 1627.8 | 1576.0 | 1515.2 | 1441.8 | 1366.8 | 1303.7 | 1232.6 | 1174.1 | 1118.9 | 1066.6 |
| 22.5° | 1677.2 | 1617.5 | 1560.1 | 1497.0 | 1425.9 | 1358.3 | 1278.7 | 1205.9 | 1141.1 | 1087.1 | 1031.9 |
| 25°   | 1664.7 | 1602.7 | 1532.2 | 1469.1 | 1398.6 | 1325.3 | 1248.0 | 1172.9 | 1108.1 | 1046.1 | 992.1  |
| 27.5° | 1657.3 | 1578.9 | 1501.5 | 1428.8 | 1361.1 | 1293.4 | 1218.4 | 1141.1 | 1070.0 | 1006.9 | 956.9  |
| 30°   | 1640.8 | 1552.7 | 1462.9 | 1386.1 | 1316.2 | 1250.8 | 1180.9 | 1105.8 | 1030.8 | 969.4  | 914.8  |
| 32.5° | 1626.0 | 1519.7 | 1423.6 | 1338.4 | 1263.3 | 1200.2 | 1137.1 | 1066.6 | 993.3  | 930.7  | 876.1  |
| 35°   | 1606.2 | 1487.3 | 1378.7 | 1284.4 | 1205.3 | 1139.9 | 1085.9 | 1019.4 | 951.8  | 891.5  | 839.2  |
| 37.5° | 1582.8 | 1445.3 | 1330.4 | 1232.0 | 1146.2 | 1078.0 | 1026.8 | 975.1  | 907.4  | 848.3  | 801.7  |
| 40°   | 1554.4 | 1399.8 | 1276.4 | 1175.2 | 1085.4 | 1013.7 | 967.1  | 918.8  | 864.8  | 810.8  | 760.7  |
| 42.5° | 1518.6 | 1358.8 | 1221.8 | 1110.9 | 1022.3 | 952.9  | 903.4  | 864.2  | 818.1  | 768.7  | 723.2  |
| 45°   | 1473.1 | 1307.7 | 1162.1 | 1045.0 | 955.2  | 886.4  | 835.8  | 805.1  | 769.2  | 721.5  | 682.3  |
| 47.5° | 1412.8 | 1249.7 | 1099.6 | 978.5  | 885.8  | 822.1  | 773.8  | 743.7  | 717.5  | 680.0  | 643.0  |
| 50°   | 1327.0 | 1183.1 | 1030.8 | 910.8  | 818.1  | 753.9  | 710.1  | 683.4  | 661.8  | 634.5  | 604.4  |
| 52.5° | 1230.9 | 1099.6 | 963.1  | 844.9  | 753.3  | 690.2  | 647.6  | 624.8  | 607.8  | 590.2  | 560.6  |
| 55°   | 1128.0 | 1014.3 | 884.7  | 772.1  | 687.4  | 625.4  | 587.9  | 567.4  | 552.6  | 537.8  | 519.7  |
| 57.5° | 1017.1 | 925.0  | 806.2  | 701.0  | 622.6  | 564.6  | 529.3  | 508.3  | 496.3  | 488.4  | 477.0  |
| 60°   | 898.9  | 822.7  | 723.8  | 630.0  | 553.8  | 503.7  | 469.6  | 454.3  | 444.6  | 438.4  | 430.4  |
| 62.5° | 789.1  | 730.0  | 640.2  | 556.6  | 492.4  | 445.7  | 416.2  | 401.4  | 392.3  | 390.0  | 383.8  |
| 65°   | 681.7  | 633.4  | 557.7  | 486.7  | 429.8  | 389.5  | 363.9  | 349.7  | 344.0  | 340.6  | 341.1  |
| 67.5° | 573.7  | 542.4  | 479.3  | 416.7  | 370.1  | 334.3  | 313.3  | 302.5  | 299.6  | 294.5  | 294.5  |
| 70°   | 476.4  | 454.3  | 403.1  | 350.2  | 309.9  | 283.7  | 265.5  | 254.1  | 251.3  | 249.0  | 248.5  |
| 72.5° | 390.6  | 371.8  | 329.2  | 289.4  | 254.1  | 232.0  | 217.8  | 212.1  | 207.0  | 205.8  | 205.8  |
| 75°   | 306.4  | 295.6  | 260.4  | 226.9  | 201.8  | 185.9  | 175.7  | 169.4  | 166.0  | 165.4  | 166.0  |
| 77.5° | 231.4  | 221.2  | 196.7  | 171.7  | 155.2  | 142.7  | 133.0  | 131.3  | 126.8  | 127.4  | 126.2  |
| 80°   | 163.7  | 157.5  | 143.3  | 124.5  | 111.4  | 101.2  | 96.7   | 92.7   | 91.5   | 89.8   | 91.5   |
| 82.5° | 107.5  | 100.6  | 92.1   | 81.9   | 71.6   | 66.5   | 62.0   | 61.4   | 60.8   | 60.3   | 60.3   |
| 85°   | 58.6   | 59.1   | 53.4   | 44.3   | 39.8   | 36.4   | 33.5   | 33.5   | 33.0   | 32.4   | 33.0   |
| 87.5° | 25.0   | 23.9   | 21.6   | 19.9   | 17.1   | 15.4   | 14.8   | 15.4   | 13.6   | 13.1   | 13.6   |
| 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):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 | 1339.5 |
| 2.5°  | 1310.5 | 1304.3 | 1299.1 | 1287.8 | 1281.5 | 1273.0 | 1266.2 | 1273.5 | 1265.6 | 1269.0 | 1263.9 |
| 5°    | 1275.3 | 1259.3 | 1248.0 | 1231.5 | 1217.3 | 1204.2 | 1194.5 | 1192.8 | 1188.3 | 1186.0 | 1179.2 |
| 7.5°  | 1233.2 | 1215.0 | 1196.2 | 1175.8 | 1158.7 | 1140.5 | 1129.7 | 1119.5 | 1113.2 | 1105.3 | 1099.0 |
| 10°   | 1196.8 | 1170.1 | 1147.3 | 1121.2 | 1098.4 | 1078.5 | 1062.6 | 1054.7 | 1047.3 | 1036.5 | 1032.5 |
| 12.5° | 1151.9 | 1124.0 | 1095.0 | 1066.6 | 1045.0 | 1022.3 | 1009.2 | 996.1  | 991.5  | 979.0  | 978.5  |
| 15°   | 1117.8 | 1076.3 | 1049.0 | 1020.5 | 990.4  | 972.2  | 960.8  | 947.8  | 942.1  | 933.6  | 927.3  |
| 17.5° | 1075.7 | 1038.2 | 1004.1 | 975.1  | 947.8  | 933.0  | 918.2  | 909.1  | 899.4  | 893.2  | 883.0  |
| 20°   | 1029.1 | 993.8  | 959.7  | 928.4  | 908.5  | 890.9  | 879.5  | 871.0  | 860.8  | 857.9  | 847.7  |
| 22.5° | 989.8  | 950.0  | 917.6  | 892.6  | 870.4  | 850.0  | 837.5  | 832.4  | 826.1  | 815.9  | 815.9  |
| 25°   | 946.6  | 906.3  | 878.4  | 852.3  | 832.9  | 814.7  | 806.2  | 798.8  | 792.0  | 785.7  | 783.5  |
| 27.5° | 910.2  | 874.4  | 840.3  | 816.4  | 799.9  | 782.9  | 775.5  | 765.8  | 760.7  | 755.6  | 748.8  |
| 30°   | 871.6  | 834.6  | 805.6  | 782.9  | 764.7  | 749.9  | 742.0  | 735.7  | 731.2  | 726.6  | 723.2  |
| 32.5° | 831.8  | 798.2  | 770.4  | 748.2  | 730.0  | 719.8  | 713.0  | 709.0  | 703.9  | 698.2  | 693.6  |
| 35°   | 797.7  | 760.1  | 732.9  | 713.5  | 699.3  | 690.8  | 682.8  | 678.8  | 673.2  | 673.2  | 668.6  |
| 37.5° | 757.3  | 724.3  | 699.9  | 682.3  | 669.8  | 661.8  | 652.7  | 650.4  | 646.4  | 644.2  | 642.5  |
| 40°   | 722.1  | 691.9  | 669.2  | 651.6  | 637.9  | 631.7  | 624.8  | 620.3  | 618.0  | 615.2  | 614.0  |
| 42.5° | 685.7  | 657.2  | 635.6  | 619.7  | 608.3  | 603.2  | 597.0  | 594.1  | 589.0  | 585.0  | 584.5  |
| 45°   | 648.7  | 620.9  | 601.0  | 587.9  | 577.6  | 571.4  | 567.4  | 560.6  | 558.3  | 553.8  | 553.2  |
| 47.5° | 614.6  | 587.3  | 567.4  | 556.6  | 547.5  | 543.0  | 536.7  | 529.3  | 526.5  | 523.6  | 523.1  |
| 50°   | 575.4  | 550.9  | 532.7  | 522.5  | 514.0  | 506.6  | 500.3  | 495.8  | 494.1  | 494.1  | 495.2  |
| 52.5° | 535.6  | 515.7  | 500.9  | 487.8  | 479.9  | 471.9  | 466.2  | 463.9  | 461.1  | 464.5  | 466.8  |
| 55°   | 496.9  | 475.9  | 464.5  | 452.6  | 444.6  | 435.5  | 432.7  | 431.5  | 429.8  | 434.4  | 436.6  |
| 57.5° | 455.4  | 441.2  | 427.5  | 415.0  | 408.2  | 402.5  | 398.0  | 397.4  | 400.8  | 402.0  | 408.8  |
| 60°   | 416.2  | 399.1  | 387.2  | 378.1  | 369.6  | 366.1  | 365.0  | 363.9  | 366.1  | 372.4  | 382.1  |
| 62.5° | 373.0  | 359.9  | 346.8  | 340.6  | 334.9  | 328.6  | 328.6  | 329.8  | 334.9  | 342.3  | 351.9  |
| 65°   | 330.9  | 319.0  | 310.4  | 302.5  | 297.4  | 293.9  | 295.1  | 297.4  | 302.5  | 312.1  | 322.9  |
| 67.5° | 287.7  | 279.7  | 271.8  | 264.4  | 259.3  | 259.8  | 260.4  | 263.2  | 269.5  | 280.9  | 291.1  |
| 70°   | 246.2  | 237.1  | 230.8  | 228.0  | 224.0  | 221.7  | 225.1  | 230.8  | 235.9  | 246.2  | 254.7  |
| 72.5° | 204.7  | 197.3  | 192.7  | 191.0  | 189.9  | 188.2  | 188.8  | 195.0  | 202.4  | 212.6  | 222.9  |
| 75°   | 163.7  | 160.9  | 157.5  | 155.2  | 153.5  | 154.6  | 155.8  | 161.5  | 167.2  | 178.0  | 189.3  |
| 77.5° | 126.8  | 123.4  | 121.1  | 120.5  | 119.4  | 120.0  | 122.8  | 127.4  | 133.0  | 141.0  | 150.1  |
| 80°   | 90.4   | 89.3   | 88.1   | 87.6   | 87.6   | 88.1   | 92.7   | 95.5   | 100.6  | 108.0  | 114.8  |
| 82.5° | 59.7   | 59.1   | 59.1   | 59.1   | 59.7   | 59.7   | 62.0   | 66.0   | 69.9   | 75.0   | 80.7   |
| 85°   | 34.7   | 33.5   | 35.3   | 35.8   | 34.7   | 36.4   | 37.5   | 39.8   | 41.5   | 44.3   | 47.2   |
| 87.5° | 14.2   | 15.4   | 14.8   | 15.4   | 15.4   | 16.5   | 15.9   | 18.2   | 19.3   | 20.5   | 19.9   |
| 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: P334298

CATALOG NUMBER: S125DP-S1090D940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1339.5 | 1339.5 | 1339.5 | 1339.5 |
| 2.5°  | 1260.5 | 1264.5 | 1261.0 | 1265.6 |
| 5°    | 1176.3 | 1171.2 | 1174.6 | 1172.3 |
| 7.5°  | 1098.4 | 1093.9 | 1087.1 | 1084.8 |
| 10°   | 1026.2 | 1020.0 | 1019.4 | 1015.4 |
| 12.5° | 973.4  | 967.7  | 959.7  | 958.6  |
| 15°   | 923.9  | 919.3  | 915.4  | 918.8  |
| 17.5° | 881.8  | 877.8  | 876.7  | 873.3  |
| 20°   | 842.6  | 839.7  | 840.9  | 833.5  |
| 22.5° | 811.3  | 805.1  | 803.9  | 803.9  |
| 25°   | 778.3  | 775.5  | 772.7  | 775.5  |
| 27.5° | 749.3  | 746.5  | 745.4  | 745.9  |
| 30°   | 723.2  | 717.5  | 718.1  | 717.5  |
| 32.5° | 694.8  | 691.4  | 690.2  | 689.1  |
| 35°   | 666.9  | 666.9  | 664.1  | 664.1  |
| 37.5° | 641.3  | 640.8  | 639.0  | 640.2  |
| 40°   | 611.8  | 611.2  | 609.5  | 606.1  |
| 42.5° | 583.3  | 581.1  | 580.5  | 579.9  |
| 45°   | 553.2  | 553.2  | 552.1  | 551.5  |
| 47.5° | 523.6  | 524.8  | 527.0  | 526.5  |
| 50°   | 497.5  | 498.0  | 499.8  | 500.3  |
| 52.5° | 468.5  | 472.5  | 474.7  | 474.2  |
| 55°   | 441.8  | 445.7  | 449.7  | 450.3  |
| 57.5° | 415.0  | 420.2  | 424.1  | 425.3  |
| 60°   | 387.8  | 395.1  | 400.3  | 402.5  |
| 62.5° | 361.6  | 370.1  | 375.2  | 375.2  |
| 65°   | 332.6  | 341.1  | 345.7  | 349.1  |
| 67.5° | 302.5  | 311.0  | 315.5  | 318.4  |
| 70°   | 268.9  | 277.5  | 284.3  | 286.5  |
| 72.5° | 235.9  | 243.3  | 248.5  | 251.3  |
| 75°   | 196.7  | 207.0  | 212.1  | 214.9  |
| 77.5° | 159.2  | 169.4  | 172.3  | 174.0  |
| 80°   | 121.7  | 127.4  | 131.3  | 131.9  |
| 82.5° | 86.4   | 91.0   | 91.5   | 93.2   |
| 85°   | 51.2   | 53.4   | 54.0   | 53.4   |
| 87.5° | 21.0   | 20.5   | 20.5   | 21.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)