

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: P332678-940

Luminaire Tested: **S124DIP-S1195D365U940-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332678-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S1195D365U940-4F0-1E-UDD-F4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5727.7 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

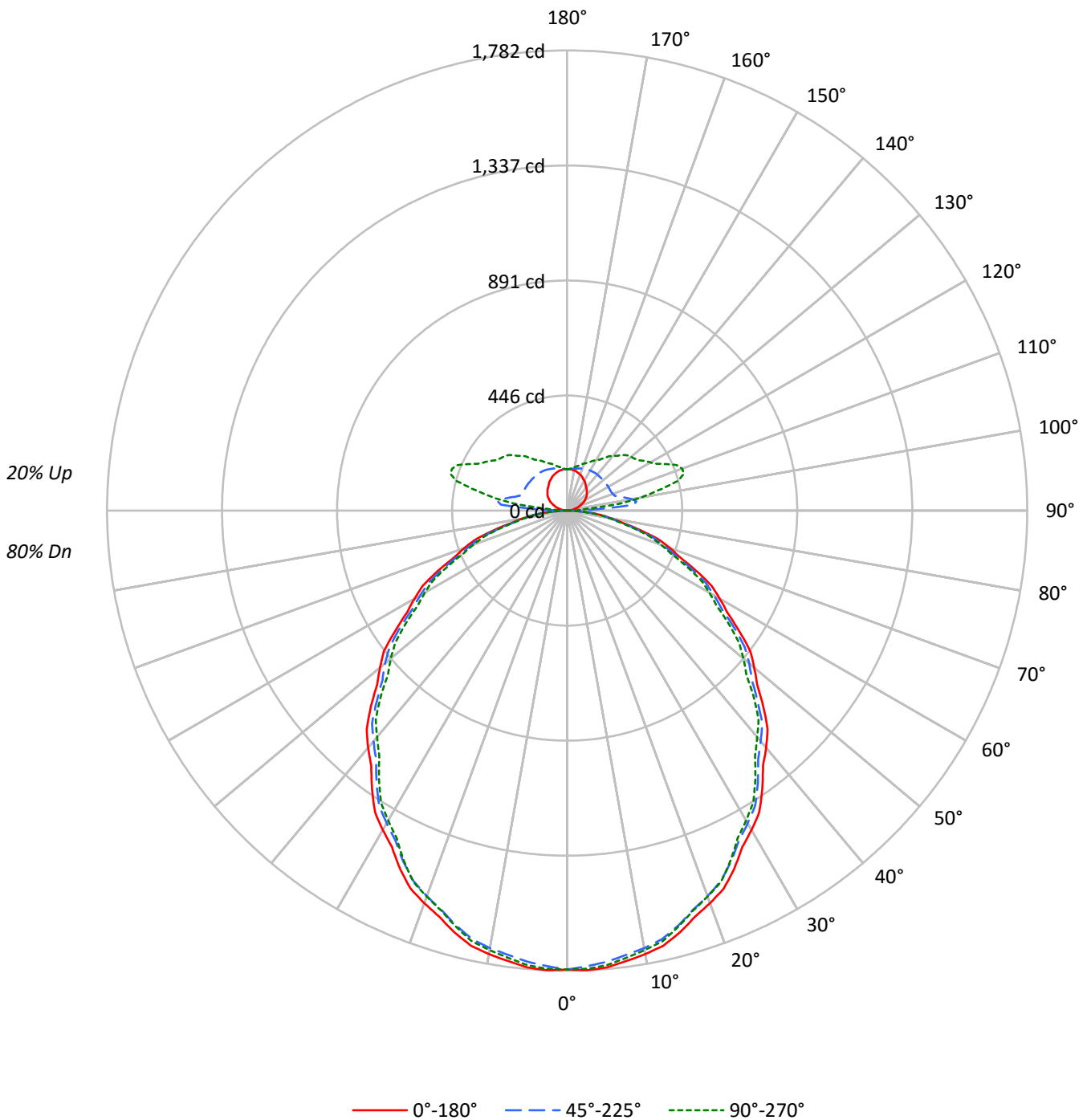
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332678-940

CATALOG NUMBER: S124DIP-S1195D365U940-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332678-940

CATALOG NUMBER: S124DIP-S1195D365U940-4F0-1E-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 100 | 100 | 100 | 91 | 91 | 91 | 83 | 83 | 83 | 80 |
| 1 | 104 | 100 | 96 | 92 | 100 | 96 | 92 | 89 | 88 | 85 | 82 | 80 | 78 | 76 | 74 | 72 | 70 | 67 |
| 2 | 95 | 87 | 81 | 75 | 91 | 84 | 78 | 73 | 77 | 72 | 68 | 71 | 67 | 64 | 65 | 62 | 59 | 56 |
| 3 | 87 | 77 | 69 | 63 | 83 | 74 | 67 | 61 | 68 | 62 | 57 | 62 | 58 | 54 | 57 | 54 | 50 | 47 |
| 4 | 80 | 68 | 60 | 53 | 76 | 65 | 58 | 52 | 60 | 54 | 49 | 56 | 50 | 46 | 51 | 47 | 43 | 41 |
| 5 | 73 | 61 | 52 | 46 | 70 | 59 | 51 | 45 | 54 | 48 | 42 | 50 | 45 | 40 | 46 | 42 | 38 | 35 |
| 6 | 68 | 55 | 46 | 40 | 64 | 53 | 45 | 39 | 49 | 42 | 37 | 45 | 40 | 35 | 42 | 37 | 33 | 31 |
| 7 | 63 | 50 | 41 | 35 | 60 | 48 | 40 | 35 | 45 | 38 | 33 | 41 | 36 | 31 | 38 | 34 | 30 | 28 |
| 8 | 58 | 45 | 37 | 32 | 56 | 44 | 36 | 31 | 41 | 34 | 29 | 38 | 32 | 28 | 35 | 30 | 27 | 25 |
| 9 | 54 | 41 | 34 | 28 | 52 | 40 | 33 | 28 | 37 | 31 | 27 | 35 | 29 | 25 | 33 | 28 | 24 | 22 |
| 10 | 51 | 38 | 31 | 26 | 49 | 37 | 30 | 25 | 35 | 28 | 24 | 32 | 27 | 23 | 30 | 26 | 22 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 14346 | 14346 | 14346 |
| 5° | 14389 | 14216 | 14319 |
| 10° | 14299 | 14100 | 14170 |
| 15° | 14125 | 13900 | 13936 |
| 20° | 13897 | 13651 | 13664 |
| 25° | 13635 | 13367 | 13331 |
| 30° | 13313 | 13035 | 12915 |
| 35° | 12980 | 12686 | 12518 |
| 40° | 12635 | 12290 | 12064 |
| 45° | 12273 | 11900 | 11671 |
| 50° | 11875 | 11552 | 11195 |
| 55° | 11444 | 11102 | 10742 |
| 60° | 11013 | 10598 | 10277 |
| 65° | 10527 | 10118 | 9712 |
| 70° | 9982 | 9477 | 9106 |
| 75° | 9148 | 8706 | 8484 |
| 80° | 8140 | 7810 | 7610 |
| 85° | 7123 | 6854 | 6725 |



TEST NUMBER: P332678-940

CATALOG NUMBER: S124DIP-S1195D365U940-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 167.3 | 2.9 |
| 10°-20° | 471.5 | 8.2 |
| 20°-30° | 694.0 | 12.1 |
| 30°-40° | 806.8 | 14.1 |
| 40°-50° | 806.8 | 14.1 |
| 50°-60° | 705.8 | 12.3 |
| 60°-70° | 524.1 | 9.2 |
| 70°-80° | 297.8 | 5.2 |
| 80°-90° | 86.8 | 1.5 |
| 90°-100° | 115.9 | 2.0 |
| 100°-110° | 241.1 | 4.2 |
| 110°-120° | 216.0 | 3.8 |
| 120°-130° | 181.7 | 3.2 |
| 130°-140° | 151.5 | 2.6 |
| 140°-150° | 115.7 | 2.0 |
| 150°-160° | 81.3 | 1.4 |
| 160°-170° | 47.8 | 0.8 |
| 170°-180° | 15.6 | 0.3 |
| 0°-30° | 1332.9 | 23.3 |
| 0°-40° | 2139.7 | 37.4 |
| 0°-60° | 3652.3 | 63.8 |
| 0°-90° | 4561.0 | 79.6 |
| 90°-120° | 573.0 | 10.0 |
| 90°-150° | 1021.9 | 17.8 |
| 90°-180° | 1167.0 | 20.4 |
| 0°-180° | 5727.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1777 | 1777 | 1777 | 1777 | 1777 | |
| 5° | 1776 | 1769 | 1754 | 1769 | 1767 | 168 |
| 15° | 1690 | 1684 | 1663 | 1671 | 1667 | 476 |
| 25° | 1531 | 1520 | 1501 | 1502 | 1497 | 704 |
| 35° | 1317 | 1307 | 1287 | 1277 | 1270 | 823 |
| 45° | 1075 | 1064 | 1042 | 1027 | 1022 | 828 |
| 55° | 813 | 808 | 789 | 772 | 763 | 728 |
| 65° | 551 | 544 | 530 | 516 | 508 | 545 |
| 75° | 293 | 286 | 279 | 274 | 272 | 312 |
| 85° | 77 | 77 | 74 | 74 | 73 | 85 |
| 90° | 0 | 2 | 6 | 6 | 7 | 5 |
| 95° | 10 | 33 | 257 | 127 | 77 | 12 |
| 105° | 37 | 53 | 207 | 445 | 443 | 39 |
| 115° | 65 | 81 | 184 | 354 | 426 | 64 |
| 125° | 90 | 108 | 183 | 301 | 340 | 80 |
| 135° | 108 | 128 | 182 | 268 | 304 | 83 |
| 145° | 124 | 142 | 181 | 226 | 248 | 78 |
| 155° | 141 | 152 | 176 | 199 | 208 | 65 |
| 165° | 154 | 158 | 169 | 178 | 181 | 43 |
| 175° | 160 | 160 | 162 | 164 | 163 | 15 |
| 180° | 160 | 160 | 160 | 160 | 160 | |



TEST NUMBER: P332678-940

CATALOG NUMBER: S124DIP-S1195D365U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 |
| 2.5° | 1781.5 | 1780.8 | 1780.0 | 1779.3 | 1778.5 | 1776.7 | 1774.0 | 1771.2 | 1768.4 | 1765.7 | 1768.2 |
| 5° | 1775.6 | 1774.3 | 1773.1 | 1771.8 | 1770.6 | 1768.2 | 1764.7 | 1761.2 | 1757.7 | 1754.3 | 1757.7 |
| 7.5° | 1759.1 | 1757.8 | 1756.6 | 1755.2 | 1754.0 | 1751.5 | 1747.6 | 1743.7 | 1739.9 | 1736.0 | 1738.8 |
| 10° | 1744.3 | 1743.0 | 1741.8 | 1740.4 | 1739.2 | 1736.5 | 1732.4 | 1728.3 | 1724.2 | 1720.1 | 1722.6 |
| 12.5° | 1724.9 | 1723.7 | 1722.3 | 1721.1 | 1719.8 | 1717.0 | 1712.7 | 1708.3 | 1704.0 | 1699.6 | 1702.4 |
| 15° | 1690.1 | 1688.9 | 1687.7 | 1686.4 | 1685.1 | 1682.1 | 1677.3 | 1672.6 | 1667.9 | 1663.1 | 1665.0 |
| 17.5° | 1648.3 | 1646.7 | 1645.1 | 1643.6 | 1642.0 | 1639.0 | 1634.4 | 1630.0 | 1625.5 | 1621.0 | 1622.2 |
| 20° | 1617.6 | 1616.0 | 1614.4 | 1612.8 | 1611.2 | 1608.0 | 1603.3 | 1598.6 | 1593.8 | 1589.0 | 1590.0 |
| 22.5° | 1584.5 | 1582.4 | 1580.4 | 1578.2 | 1576.2 | 1572.7 | 1568.0 | 1563.3 | 1558.5 | 1553.7 | 1555.5 |
| 25° | 1530.7 | 1528.5 | 1526.3 | 1524.0 | 1521.8 | 1518.5 | 1514.0 | 1509.7 | 1505.2 | 1500.7 | 1501.1 |
| 27.5° | 1469.2 | 1466.9 | 1464.6 | 1462.3 | 1460.1 | 1456.9 | 1452.8 | 1448.7 | 1444.6 | 1440.4 | 1439.7 |
| 30° | 1428.2 | 1425.7 | 1423.1 | 1420.6 | 1418.1 | 1414.7 | 1410.6 | 1406.5 | 1402.4 | 1398.3 | 1397.0 |
| 32.5° | 1384.9 | 1382.6 | 1380.4 | 1378.0 | 1375.7 | 1372.4 | 1368.1 | 1363.7 | 1359.3 | 1355.0 | 1353.4 |
| 35° | 1317.1 | 1314.9 | 1312.7 | 1310.5 | 1308.2 | 1304.9 | 1300.5 | 1296.1 | 1291.6 | 1287.2 | 1285.0 |
| 37.5° | 1245.6 | 1243.6 | 1241.6 | 1239.6 | 1237.5 | 1234.1 | 1229.4 | 1224.7 | 1219.9 | 1215.1 | 1212.7 |
| 40° | 1198.9 | 1196.4 | 1193.8 | 1191.3 | 1188.8 | 1185.2 | 1180.4 | 1175.6 | 1170.9 | 1166.2 | 1163.0 |
| 42.5° | 1148.8 | 1147.3 | 1145.8 | 1144.2 | 1142.7 | 1139.3 | 1134.1 | 1128.8 | 1123.6 | 1118.3 | 1114.6 |
| 45° | 1075.0 | 1072.8 | 1070.6 | 1068.4 | 1066.2 | 1062.6 | 1057.5 | 1052.4 | 1047.3 | 1042.3 | 1038.8 |
| 47.5° | 997.8 | 996.3 | 994.8 | 993.3 | 991.8 | 988.7 | 984.0 | 979.4 | 974.6 | 970.0 | 966.1 |
| 50° | 945.5 | 944.2 | 942.9 | 941.6 | 940.4 | 937.5 | 933.1 | 928.7 | 924.3 | 919.8 | 915.4 |
| 52.5° | 894.2 | 892.7 | 891.2 | 889.7 | 888.1 | 885.0 | 880.4 | 875.7 | 871.0 | 866.3 | 862.4 |
| 55° | 813.1 | 812.1 | 811.2 | 810.2 | 809.2 | 806.6 | 802.1 | 797.7 | 793.3 | 788.8 | 785.1 |
| 57.5° | 735.6 | 734.5 | 733.4 | 732.4 | 731.3 | 728.5 | 724.2 | 719.8 | 715.4 | 711.1 | 707.5 |
| 60° | 682.1 | 680.5 | 678.9 | 677.3 | 675.7 | 672.9 | 668.8 | 664.7 | 660.5 | 656.4 | 653.5 |
| 62.5° | 629.6 | 628.3 | 627.0 | 625.6 | 624.4 | 621.5 | 617.2 | 612.8 | 608.4 | 604.0 | 601.5 |
| 65° | 551.1 | 549.5 | 547.9 | 546.3 | 544.7 | 542.3 | 539.2 | 536.0 | 532.9 | 529.7 | 526.6 |
| 67.5° | 471.9 | 470.5 | 469.0 | 467.5 | 466.1 | 463.8 | 460.7 | 457.7 | 454.7 | 451.7 | 448.6 |
| 70° | 422.9 | 420.7 | 418.5 | 416.3 | 414.0 | 411.7 | 409.1 | 406.6 | 404.0 | 401.5 | 399.0 |
| 72.5° | 370.5 | 368.3 | 366.0 | 363.8 | 361.7 | 359.5 | 357.5 | 355.4 | 353.5 | 351.4 | 349.4 |
| 75° | 293.3 | 291.8 | 290.2 | 288.6 | 287.0 | 285.4 | 283.8 | 282.2 | 280.7 | 279.1 | 277.9 |
| 77.5° | 219.5 | 218.8 | 218.2 | 217.5 | 216.8 | 215.7 | 214.4 | 212.9 | 211.6 | 210.2 | 209.8 |
| 80° | 175.1 | 174.2 | 173.3 | 172.3 | 171.4 | 170.6 | 170.0 | 169.2 | 168.6 | 168.0 | 167.4 |
| 82.5° | 131.9 | 131.4 | 131.0 | 130.5 | 130.1 | 129.8 | 129.7 | 129.6 | 129.4 | 129.3 | 128.9 |
| 85° | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.6 | 76.0 | 75.3 | 74.6 | 74.0 | 74.0 |
| 87.5° | 29.7 | 29.5 | 29.5 | 29.3 | 29.1 | 28.9 | 29.0 | 28.7 | 28.6 | 28.4 | 28.4 |
| 90° | 0.4 | 1.0 | 1.9 | 2.2 | 2.5 | 2.5 | 4.4 | 4.4 | 5.1 | 5.7 | 5.4 |
| 92.5° | 3.6 | 5.3 | 8.2 | 12.0 | 16.7 | 23.2 | 39.2 | 63.7 | 87.5 | 100.0 | 83.3 |
| 95° | 10.4 | 11.3 | 14.5 | 18.6 | 26.1 | 39.4 | 66.8 | 118.5 | 193.9 | 256.8 | 264.1 |
| 97.5° | 18.6 | 18.6 | 21.4 | 25.1 | 31.7 | 42.7 | 63.8 | 106.6 | 181.4 | 270.5 | 331.8 |
| 100° | 24.0 | 24.0 | 26.1 | 30.0 | 35.9 | 46.0 | 64.6 | 100.2 | 164.5 | 253.4 | 334.0 |
| 102.5° | 29.0 | 29.5 | 31.5 | 35.0 | 40.8 | 50.3 | 67.1 | 98.4 | 153.2 | 231.9 | 315.1 |
| 105° | 36.9 | 37.8 | 39.4 | 43.2 | 48.9 | 58.0 | 73.1 | 99.2 | 143.4 | 206.7 | 280.8 |
| 107.5° | 45.6 | 46.2 | 47.8 | 51.8 | 57.2 | 66.3 | 80.1 | 104.0 | 141.6 | 192.6 | 253.1 |
| 110° | 51.4 | 52.0 | 53.6 | 57.3 | 63.0 | 71.5 | 85.4 | 107.5 | 142.1 | 187.8 | 239.2 |



TEST NUMBER: P332678-940

CATALOG NUMBER: S124DIP-S1195D365U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 56.9 | 57.5 | 59.4 | 62.9 | 68.6 | 77.0 | 90.4 | 111.3 | 143.7 | 185.6 | 231.4 |
| 115° | 64.9 | 65.9 | 68.0 | 71.2 | 77.2 | 85.7 | 98.4 | 117.3 | 146.5 | 184.4 | 224.1 |
| 117.5° | 73.2 | 74.1 | 76.1 | 79.5 | 85.2 | 94.0 | 105.9 | 123.3 | 149.6 | 184.0 | 220.8 |
| 120° | 78.8 | 79.5 | 81.6 | 85.1 | 90.4 | 99.2 | 111.3 | 127.6 | 151.9 | 184.0 | 219.0 |
| 122.5° | 83.8 | 84.4 | 86.7 | 89.9 | 95.8 | 104.3 | 116.3 | 131.7 | 154.2 | 183.8 | 217.0 |
| 125° | 90.4 | 91.7 | 93.6 | 97.1 | 103.1 | 111.9 | 123.2 | 137.7 | 157.6 | 183.4 | 213.7 |
| 127.5° | 96.3 | 97.3 | 99.6 | 103.5 | 109.8 | 118.7 | 129.7 | 142.9 | 160.3 | 182.7 | 209.2 |
| 130° | 99.6 | 100.9 | 103.3 | 108.1 | 114.0 | 123.2 | 133.9 | 146.2 | 162.3 | 182.4 | 206.4 |
| 132.5° | 102.9 | 103.9 | 107.2 | 111.6 | 118.2 | 126.7 | 137.5 | 149.5 | 164.1 | 182.3 | 203.9 |
| 135° | 107.5 | 108.7 | 111.9 | 117.3 | 123.9 | 132.1 | 142.4 | 153.8 | 166.7 | 181.8 | 200.1 |
| 137.5° | 112.1 | 113.2 | 116.7 | 121.8 | 128.7 | 136.5 | 146.2 | 156.9 | 168.3 | 181.8 | 196.9 |
| 140° | 115.4 | 116.3 | 119.8 | 125.1 | 131.7 | 139.3 | 148.7 | 158.8 | 169.5 | 181.6 | 195.1 |
| 142.5° | 118.9 | 119.8 | 123.1 | 128.1 | 134.5 | 141.8 | 151.1 | 160.3 | 170.6 | 181.6 | 193.6 |
| 145° | 123.9 | 124.8 | 128.0 | 132.3 | 138.4 | 145.3 | 153.5 | 162.0 | 171.1 | 180.9 | 191.0 |
| 147.5° | 129.5 | 129.7 | 132.6 | 137.1 | 142.0 | 148.3 | 156.0 | 163.5 | 171.5 | 179.8 | 188.7 |
| 150° | 133.0 | 133.3 | 135.8 | 139.6 | 144.4 | 150.3 | 157.3 | 164.2 | 171.5 | 179.0 | 186.9 |
| 152.5° | 136.3 | 136.3 | 138.8 | 142.4 | 146.6 | 152.1 | 158.3 | 164.7 | 170.9 | 177.7 | 184.9 |
| 155° | 140.9 | 141.2 | 143.1 | 146.2 | 149.7 | 154.4 | 159.8 | 165.1 | 170.2 | 175.8 | 181.8 |
| 157.5° | 145.3 | 145.3 | 147.1 | 149.5 | 152.6 | 156.3 | 160.9 | 165.1 | 169.3 | 173.9 | 178.8 |
| 160° | 148.1 | 148.1 | 149.4 | 151.6 | 154.1 | 157.6 | 161.4 | 165.1 | 168.6 | 172.4 | 176.5 |
| 162.5° | 150.6 | 150.4 | 151.4 | 153.4 | 155.6 | 158.4 | 161.8 | 165.1 | 167.8 | 170.9 | 174.5 |
| 165° | 153.5 | 153.5 | 154.1 | 155.7 | 157.3 | 159.2 | 162.0 | 164.5 | 166.4 | 168.6 | 171.1 |
| 167.5° | 156.3 | 156.0 | 156.3 | 157.5 | 158.4 | 159.9 | 161.9 | 163.7 | 164.9 | 166.3 | 168.1 |
| 170° | 157.6 | 157.3 | 157.6 | 158.5 | 159.2 | 160.1 | 161.7 | 163.3 | 163.9 | 164.8 | 166.1 |
| 172.5° | 158.8 | 158.5 | 158.5 | 159.3 | 159.6 | 160.3 | 161.4 | 162.7 | 162.9 | 163.3 | 164.3 |
| 175° | 160.1 | 159.8 | 159.8 | 160.1 | 160.4 | 160.4 | 161.0 | 162.0 | 161.7 | 161.7 | 162.3 |
| 177.5° | 160.7 | 160.4 | 160.2 | 160.4 | 160.4 | 160.4 | 160.7 | 161.1 | 160.7 | 160.7 | 161.0 |
| 180° | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 |



TEST NUMBER: P332678-940

CATALOG NUMBER: S124DIP-S1195D365U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 | 1777.0 |
| 2.5° | 1770.7 | 1773.3 | 1775.8 | 1776.9 | 1776.6 | 1776.4 | 1776.1 | 1775.8 |
| 5° | 1761.2 | 1764.7 | 1768.2 | 1769.6 | 1769.0 | 1768.4 | 1767.7 | 1767.0 |
| 7.5° | 1741.6 | 1744.4 | 1747.1 | 1748.4 | 1748.0 | 1747.6 | 1747.2 | 1746.9 |
| 10° | 1725.1 | 1727.7 | 1730.2 | 1731.2 | 1730.5 | 1729.9 | 1729.2 | 1728.6 |
| 12.5° | 1705.1 | 1707.9 | 1710.7 | 1711.6 | 1710.7 | 1709.9 | 1709.0 | 1708.1 |
| 15° | 1666.9 | 1668.8 | 1670.7 | 1671.2 | 1670.3 | 1669.3 | 1668.3 | 1667.4 |
| 17.5° | 1623.4 | 1624.6 | 1625.8 | 1626.0 | 1625.4 | 1624.8 | 1624.2 | 1623.5 |
| 20° | 1591.0 | 1591.9 | 1592.9 | 1593.0 | 1592.4 | 1591.8 | 1591.2 | 1590.5 |
| 22.5° | 1557.2 | 1558.9 | 1560.6 | 1560.9 | 1559.8 | 1558.6 | 1557.5 | 1556.3 |
| 25° | 1501.5 | 1501.7 | 1502.1 | 1501.6 | 1500.3 | 1499.1 | 1497.8 | 1496.6 |
| 27.5° | 1438.9 | 1438.2 | 1437.3 | 1436.2 | 1434.6 | 1433.1 | 1431.5 | 1429.9 |
| 30° | 1395.7 | 1394.5 | 1393.2 | 1391.8 | 1390.2 | 1388.7 | 1387.1 | 1385.5 |
| 32.5° | 1351.9 | 1350.4 | 1348.9 | 1347.4 | 1345.8 | 1344.2 | 1342.6 | 1341.0 |
| 35° | 1282.8 | 1280.6 | 1278.4 | 1276.5 | 1274.9 | 1273.3 | 1271.7 | 1270.2 |
| 37.5° | 1210.3 | 1207.9 | 1205.5 | 1203.3 | 1201.2 | 1199.1 | 1197.0 | 1194.9 |
| 40° | 1159.8 | 1156.6 | 1153.5 | 1151.1 | 1149.6 | 1148.0 | 1146.4 | 1144.8 |
| 42.5° | 1111.0 | 1107.3 | 1103.7 | 1101.3 | 1100.2 | 1099.1 | 1098.1 | 1097.0 |
| 45° | 1035.4 | 1031.9 | 1028.4 | 1026.2 | 1025.2 | 1024.2 | 1023.3 | 1022.3 |
| 47.5° | 962.2 | 958.2 | 954.3 | 951.1 | 948.7 | 946.3 | 943.9 | 941.5 |
| 50° | 911.0 | 906.5 | 902.1 | 898.9 | 897.1 | 895.2 | 893.2 | 891.4 |
| 52.5° | 858.4 | 854.5 | 850.6 | 847.5 | 845.1 | 842.7 | 840.3 | 837.9 |
| 55° | 781.2 | 777.5 | 773.6 | 770.8 | 768.9 | 767.0 | 765.1 | 763.2 |
| 57.5° | 703.9 | 700.3 | 696.7 | 693.9 | 692.1 | 690.3 | 688.4 | 686.6 |
| 60° | 650.7 | 647.9 | 645.1 | 642.8 | 641.2 | 639.6 | 638.1 | 636.5 |
| 62.5° | 598.8 | 596.2 | 593.6 | 591.6 | 590.0 | 588.4 | 586.8 | 585.2 |
| 65° | 523.3 | 520.2 | 517.0 | 514.7 | 513.1 | 511.5 | 509.9 | 508.4 |
| 67.5° | 445.6 | 442.6 | 439.5 | 437.7 | 437.3 | 436.8 | 436.4 | 436.0 |
| 70° | 396.5 | 394.0 | 391.4 | 389.7 | 388.7 | 387.8 | 386.8 | 385.8 |
| 72.5° | 347.4 | 345.4 | 343.3 | 341.8 | 340.9 | 339.9 | 338.9 | 338.0 |
| 75° | 276.5 | 275.3 | 274.0 | 273.2 | 273.0 | 272.6 | 272.2 | 272.0 |
| 77.5° | 209.4 | 209.0 | 208.7 | 208.0 | 207.2 | 206.4 | 205.5 | 204.7 |
| 80° | 166.7 | 166.1 | 165.5 | 165.1 | 164.7 | 164.3 | 164.1 | 163.7 |
| 82.5° | 128.5 | 128.1 | 127.8 | 127.4 | 127.1 | 126.8 | 126.4 | 126.2 |
| 85° | 74.0 | 74.0 | 74.0 | 73.9 | 73.6 | 73.2 | 72.9 | 72.6 |
| 87.5° | 28.4 | 28.5 | 28.6 | 28.6 | 28.6 | 28.7 | 28.6 | 28.6 |
| 90° | 5.7 | 6.0 | 6.3 | 6.3 | 6.6 | 7.0 | 6.6 | 6.6 |
| 92.5° | 61.9 | 46.5 | 37.1 | 30.8 | 27.0 | 25.3 | 24.3 | 24.3 |
| 95° | 233.5 | 184.7 | 142.4 | 111.9 | 96.4 | 86.7 | 81.0 | 76.9 |
| 97.5° | 345.0 | 326.9 | 296.0 | 263.1 | 240.5 | 221.6 | 212.1 | 205.5 |
| 100° | 380.0 | 386.4 | 371.0 | 347.6 | 320.2 | 301.0 | 291.5 | 289.0 |
| 102.5° | 378.4 | 409.6 | 414.0 | 404.3 | 387.5 | 373.6 | 363.6 | 361.6 |
| 105° | 352.9 | 407.5 | 438.7 | 451.7 | 452.3 | 449.7 | 445.3 | 443.4 |
| 107.5° | 317.0 | 375.1 | 418.9 | 447.1 | 462.6 | 469.8 | 473.0 | 473.8 |
| 110° | 295.3 | 349.8 | 395.6 | 430.2 | 452.5 | 465.8 | 471.4 | 474.3 |



TEST NUMBER: P332678-940

CATALOG NUMBER: S124DIP-S1195D365U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 279.4 | 327.6 | 370.8 | 405.5 | 430.9 | 446.9 | 454.9 | 459.4 |
| 115° | 263.5 | 302.2 | 339.1 | 369.3 | 394.2 | 413.1 | 423.3 | 425.8 |
| 117.5° | 255.7 | 287.8 | 316.7 | 342.4 | 363.6 | 379.5 | 389.7 | 391.6 |
| 120° | 252.1 | 281.4 | 306.7 | 329.0 | 347.0 | 360.9 | 369.1 | 372.6 |
| 122.5° | 249.1 | 277.4 | 300.3 | 319.9 | 335.1 | 347.0 | 353.9 | 357.4 |
| 125° | 244.0 | 271.0 | 292.7 | 310.1 | 322.7 | 331.9 | 337.9 | 339.7 |
| 127.5° | 237.6 | 263.5 | 285.3 | 301.7 | 314.3 | 322.4 | 327.5 | 329.4 |
| 130° | 232.6 | 257.5 | 278.9 | 295.6 | 308.5 | 316.4 | 321.5 | 323.3 |
| 132.5° | 227.3 | 250.7 | 271.6 | 288.3 | 301.0 | 309.9 | 314.7 | 316.6 |
| 135° | 220.0 | 240.5 | 259.7 | 275.4 | 288.0 | 296.9 | 301.9 | 303.8 |
| 137.5° | 213.4 | 230.7 | 246.9 | 261.1 | 273.0 | 281.6 | 285.8 | 288.0 |
| 140° | 209.6 | 224.4 | 238.5 | 251.8 | 262.9 | 269.7 | 274.2 | 276.7 |
| 142.5° | 206.1 | 219.1 | 231.2 | 242.7 | 252.5 | 259.0 | 262.9 | 264.6 |
| 145° | 201.1 | 211.8 | 221.2 | 230.1 | 237.9 | 243.3 | 246.5 | 248.0 |
| 147.5° | 197.0 | 205.5 | 213.0 | 220.0 | 225.8 | 230.4 | 232.7 | 233.4 |
| 150° | 194.5 | 201.7 | 208.0 | 213.7 | 218.7 | 222.8 | 224.7 | 225.0 |
| 152.5° | 191.7 | 198.0 | 203.8 | 208.4 | 212.7 | 216.0 | 217.1 | 217.5 |
| 155° | 187.5 | 192.5 | 197.2 | 201.1 | 204.2 | 206.7 | 207.7 | 207.7 |
| 157.5° | 183.1 | 187.3 | 191.3 | 194.3 | 196.6 | 198.6 | 199.1 | 199.1 |
| 160° | 180.3 | 183.7 | 187.2 | 189.8 | 191.6 | 193.5 | 193.9 | 193.9 |
| 162.5° | 177.5 | 180.5 | 183.2 | 185.5 | 186.8 | 188.7 | 189.0 | 188.8 |
| 165° | 173.6 | 175.6 | 177.7 | 179.3 | 180.6 | 181.8 | 181.6 | 181.2 |
| 167.5° | 170.0 | 171.4 | 173.2 | 174.1 | 174.7 | 175.6 | 175.5 | 175.2 |
| 170° | 167.6 | 168.6 | 169.9 | 170.9 | 171.5 | 171.7 | 171.5 | 171.5 |
| 172.5° | 165.7 | 166.3 | 167.1 | 167.8 | 168.2 | 168.4 | 168.2 | 167.6 |
| 175° | 162.9 | 163.3 | 163.9 | 163.9 | 163.9 | 164.5 | 163.9 | 163.3 |
| 177.5° | 161.1 | 161.4 | 161.4 | 161.7 | 161.4 | 161.7 | 161.1 | 160.7 |
| 180° | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 | 160.4 |

(END OF REPORT)