

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: P332675-935

Luminaire Tested: **S124DIP-S1195D365U935-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332675-935
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-S1195D365U935-4F0-1E-UDD-D4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1195 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5312.5 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

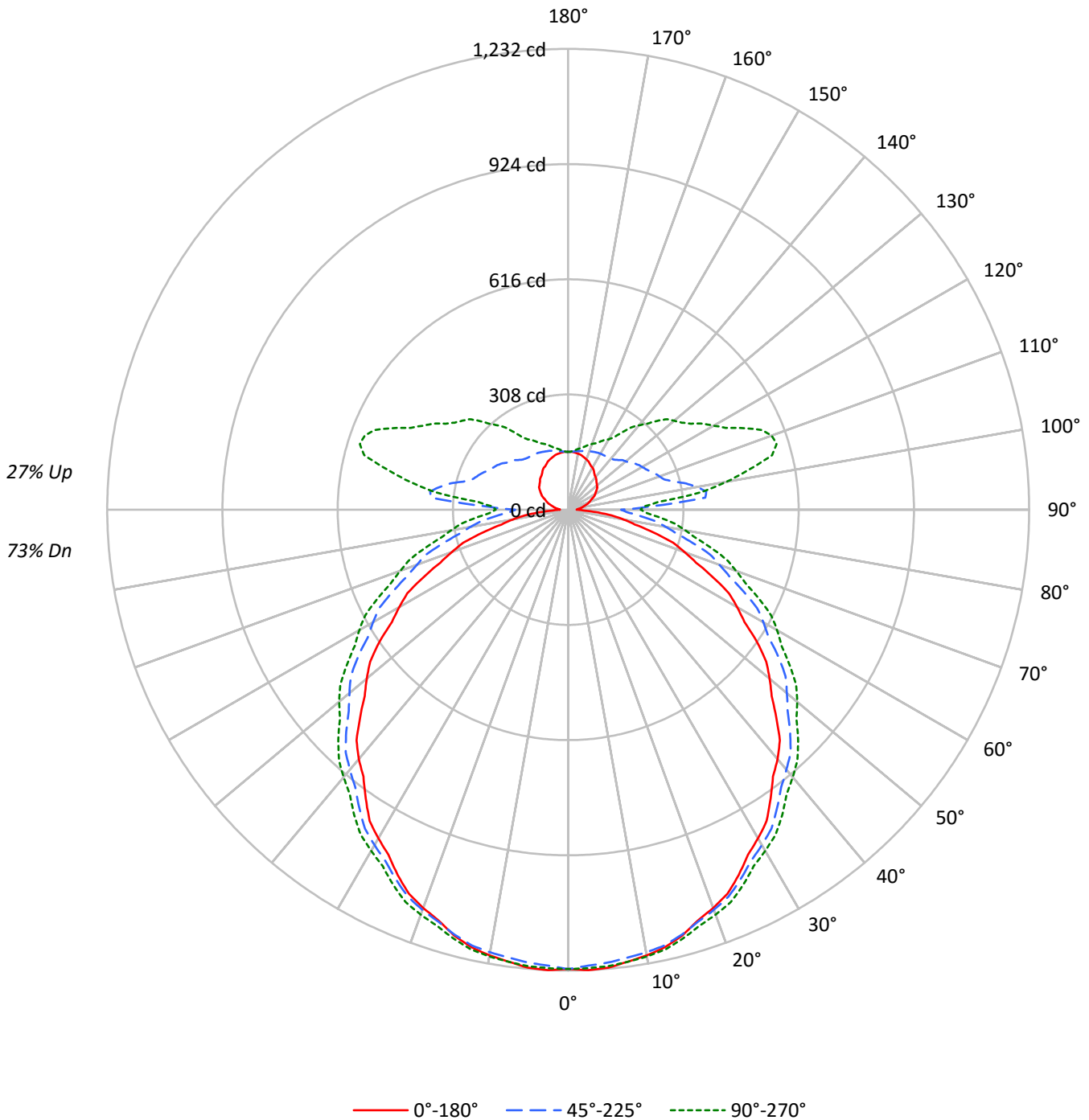
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332675-935

CATALOG NUMBER: S124DIP-S1195D365U935-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P332675-935

CATALOG NUMBER: S124DIP-S1195D365U935-4F0-1E-UDD-D4

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 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | | 86 | 86 | 86 | | 77 | 77 | 77 | 73 |
| 1 | 101 | 96 | 92 | 88 | 96 | 91 | 87 | 84 | 82 | 79 | 76 | | 74 | 71 | 69 | | 66 | 64 | 62 | 58 |
| 2 | 92 | 83 | 76 | 70 | 87 | 79 | 73 | 67 | 71 | 66 | 62 | | 64 | 60 | 56 | | 57 | 54 | 51 | 48 |
| 3 | 83 | 73 | 65 | 58 | 79 | 69 | 62 | 56 | 62 | 56 | 51 | | 56 | 51 | 47 | | 50 | 46 | 43 | 40 |
| 4 | 76 | 64 | 55 | 49 | 72 | 61 | 53 | 47 | 55 | 49 | 43 | | 50 | 44 | 40 | | 44 | 40 | 37 | 34 |
| 5 | 70 | 57 | 48 | 42 | 66 | 54 | 46 | 40 | 49 | 42 | 37 | | 44 | 39 | 34 | | 40 | 35 | 32 | 29 |
| 6 | 64 | 51 | 42 | 36 | 61 | 49 | 41 | 35 | 44 | 37 | 32 | | 40 | 34 | 30 | | 36 | 31 | 28 | 25 |
| 7 | 59 | 46 | 38 | 32 | 56 | 44 | 36 | 31 | 40 | 33 | 28 | | 36 | 31 | 26 | | 33 | 28 | 24 | 22 |
| 8 | 55 | 42 | 34 | 28 | 52 | 40 | 32 | 27 | 37 | 30 | 25 | | 33 | 28 | 24 | | 30 | 25 | 22 | 20 |
| 9 | 51 | 38 | 30 | 25 | 49 | 37 | 29 | 24 | 34 | 27 | 23 | | 31 | 25 | 21 | | 28 | 23 | 20 | 18 |
| 10 | 48 | 35 | 28 | 22 | 46 | 34 | 27 | 22 | 31 | 25 | 20 | | 28 | 23 | 19 | | 26 | 21 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9912 | 9912 | 9912 |
| 5° | 9942 | 9687 | 9715 |
| 10° | 9882 | 9528 | 9521 |
| 15° | 9793 | 9345 | 9294 |
| 20° | 9660 | 9143 | 9072 |
| 25° | 9509 | 8916 | 8829 |
| 30° | 9346 | 8690 | 8579 |
| 35° | 9161 | 8459 | 8360 |
| 40° | 9014 | 8239 | 8132 |
| 45° | 8795 | 8036 | 7936 |
| 50° | 8610 | 7802 | 7728 |
| 55° | 8420 | 7582 | 7486 |
| 60° | 8121 | 7301 | 7265 |
| 65° | 7793 | 6999 | 6992 |
| 70° | 7397 | 6655 | 6676 |
| 75° | 6845 | 6278 | 6390 |
| 80° | 6233 | 5915 | 6107 |
| 85° | 5446 | 5591 | 5943 |



TEST NUMBER: P332675-935

CATALOG NUMBER: S124DIP-S1195D365U935-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 116.3 | 2.2 |
| 10°-20° | 333.1 | 6.3 |
| 20°-30° | 503.7 | 9.5 |
| 30°-40° | 609.4 | 11.5 |
| 40°-50° | 644.3 | 12.1 |
| 50°-60° | 606.4 | 11.4 |
| 60°-70° | 503.1 | 9.5 |
| 70°-80° | 353.4 | 6.7 |
| 80°-90° | 200.6 | 3.8 |
| 90°-100° | 230.5 | 4.3 |
| 100°-110° | 320.6 | 6.0 |
| 110°-120° | 267.5 | 5.0 |
| 120°-130° | 208.7 | 3.9 |
| 130°-140° | 160.6 | 3.0 |
| 140°-150° | 114.7 | 2.2 |
| 150°-160° | 78.6 | 1.5 |
| 160°-170° | 46.2 | 0.9 |
| 170°-180° | 15.0 | 0.3 |
| 0°-30° | 953.1 | 17.9 |
| 0°-40° | 1562.5 | 29.4 |
| 0°-60° | 2813.1 | 53.0 |
| 0°-90° | 3870.2 | 72.8 |
| 90°-120° | 818.6 | 15.4 |
| 90°-150° | 1302.6 | 24.5 |
| 90°-180° | 1442.0 | 27.1 |
| 0°-180° | 5312.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1228 | 1228 | 1228 | 1228 | 1228 | |
| 5° | 1229 | 1225 | 1215 | 1226 | 1225 | 117 |
| 15° | 1178 | 1179 | 1176 | 1187 | 1186 | 332 |
| 25° | 1078 | 1086 | 1090 | 1105 | 1107 | 496 |
| 35° | 943 | 959 | 973 | 992 | 997 | 590 |
| 45° | 786 | 813 | 839 | 861 | 869 | 608 |
| 55° | 616 | 646 | 686 | 712 | 722 | 549 |
| 65° | 426 | 470 | 517 | 550 | 562 | 422 |
| 75° | 236 | 288 | 345 | 382 | 396 | 252 |
| 85° | 73 | 131 | 192 | 232 | 248 | 77 |
| 90° | 22 | 80 | 142 | 180 | 193 | 15 |
| 95° | 28 | 95 | 368 | 278 | 243 | 25 |
| 105° | 48 | 93 | 290 | 554 | 564 | 52 |
| 115° | 71 | 101 | 243 | 436 | 516 | 71 |
| 125° | 93 | 110 | 216 | 355 | 401 | 83 |
| 135° | 106 | 127 | 188 | 292 | 336 | 83 |
| 145° | 121 | 137 | 175 | 226 | 253 | 76 |
| 155° | 136 | 147 | 170 | 192 | 200 | 63 |
| 165° | 148 | 153 | 163 | 172 | 175 | 42 |
| 175° | 154 | 155 | 156 | 158 | 158 | 15 |
| 180° | 155 | 155 | 155 | 155 | 155 | |



TEST NUMBER: P332675-935

CATALOG NUMBER: S124DIP-S1195D365U935-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 |
| 2.5° | 1232.2 | 1231.4 | 1230.7 | 1229.9 | 1229.2 | 1227.9 | 1225.9 | 1224.0 | 1222.0 | 1220.0 | 1221.8 |
| 5° | 1229.1 | 1228.2 | 1227.3 | 1226.4 | 1225.5 | 1223.9 | 1221.8 | 1219.6 | 1217.5 | 1215.4 | 1217.8 |
| 7.5° | 1218.7 | 1218.1 | 1217.5 | 1217.0 | 1216.5 | 1215.3 | 1213.6 | 1211.8 | 1210.0 | 1208.2 | 1211.0 |
| 10° | 1209.9 | 1209.5 | 1209.3 | 1208.9 | 1208.7 | 1207.7 | 1206.2 | 1204.7 | 1203.2 | 1201.6 | 1204.4 |
| 12.5° | 1197.7 | 1197.7 | 1197.7 | 1197.6 | 1197.6 | 1197.0 | 1195.9 | 1194.9 | 1193.9 | 1192.8 | 1195.3 |
| 15° | 1178.3 | 1178.5 | 1178.9 | 1179.1 | 1179.5 | 1179.1 | 1178.3 | 1177.3 | 1176.4 | 1175.5 | 1178.3 |
| 17.5° | 1151.6 | 1152.5 | 1153.4 | 1154.3 | 1155.2 | 1155.6 | 1155.5 | 1155.2 | 1155.0 | 1154.9 | 1157.7 |
| 20° | 1132.9 | 1133.8 | 1134.7 | 1135.7 | 1136.5 | 1137.1 | 1137.5 | 1137.8 | 1138.1 | 1138.4 | 1141.4 |
| 22.5° | 1112.0 | 1113.1 | 1114.3 | 1115.4 | 1116.6 | 1117.5 | 1118.0 | 1118.6 | 1119.1 | 1119.6 | 1122.7 |
| 25° | 1077.9 | 1079.7 | 1081.6 | 1083.4 | 1085.2 | 1086.6 | 1087.5 | 1088.4 | 1089.3 | 1090.3 | 1093.6 |
| 27.5° | 1039.9 | 1042.7 | 1045.3 | 1048.0 | 1050.7 | 1052.7 | 1054.1 | 1055.6 | 1057.0 | 1058.3 | 1061.4 |
| 30° | 1014.6 | 1017.1 | 1019.5 | 1022.0 | 1024.4 | 1026.7 | 1028.8 | 1031.0 | 1033.1 | 1035.3 | 1038.6 |
| 32.5° | 987.1 | 990.1 | 993.0 | 995.9 | 998.8 | 1001.5 | 1003.9 | 1006.3 | 1008.7 | 1011.1 | 1014.9 |
| 35° | 943.1 | 946.8 | 950.5 | 954.2 | 957.8 | 961.1 | 964.2 | 967.2 | 970.3 | 973.4 | 977.7 |
| 37.5° | 898.9 | 903.1 | 907.3 | 911.5 | 915.8 | 919.7 | 923.5 | 927.3 | 931.1 | 934.9 | 939.3 |
| 40° | 870.3 | 874.3 | 878.2 | 882.2 | 886.1 | 890.3 | 894.6 | 898.9 | 903.1 | 907.4 | 912.0 |
| 42.5° | 837.3 | 841.7 | 846.2 | 850.7 | 855.1 | 859.9 | 864.9 | 869.9 | 874.9 | 879.9 | 885.0 |
| 45° | 786.4 | 792.2 | 798.1 | 803.8 | 809.6 | 815.5 | 821.2 | 827.1 | 832.8 | 838.7 | 843.9 |
| 47.5° | 737.7 | 743.7 | 749.8 | 755.7 | 761.7 | 768.1 | 774.8 | 781.5 | 788.2 | 795.0 | 800.3 |
| 50° | 702.6 | 709.3 | 716.0 | 722.7 | 729.4 | 736.2 | 742.9 | 749.6 | 756.3 | 763.0 | 769.1 |
| 52.5° | 667.4 | 674.1 | 680.8 | 687.5 | 694.2 | 701.5 | 709.1 | 716.9 | 724.5 | 732.3 | 738.4 |
| 55° | 616.0 | 622.3 | 628.8 | 635.2 | 641.6 | 649.4 | 658.6 | 667.7 | 676.9 | 686.0 | 692.2 |
| 57.5° | 558.4 | 566.5 | 574.4 | 582.3 | 590.2 | 598.7 | 607.9 | 617.0 | 626.1 | 635.2 | 642.5 |
| 60° | 521.1 | 529.0 | 536.9 | 544.9 | 552.8 | 561.9 | 572.0 | 582.0 | 592.1 | 602.2 | 609.2 |
| 62.5° | 484.7 | 493.4 | 502.1 | 510.8 | 519.4 | 528.8 | 539.0 | 549.1 | 559.1 | 569.2 | 576.2 |
| 65° | 426.2 | 436.0 | 445.7 | 455.6 | 465.3 | 475.4 | 485.8 | 496.2 | 506.5 | 516.9 | 524.6 |
| 67.5° | 369.8 | 380.2 | 390.6 | 401.0 | 411.4 | 422.1 | 433.3 | 444.4 | 455.5 | 466.7 | 474.4 |
| 70° | 331.3 | 341.7 | 352.1 | 362.5 | 372.9 | 383.9 | 395.5 | 407.1 | 418.7 | 430.3 | 438.6 |
| 72.5° | 293.9 | 304.5 | 315.2 | 325.8 | 336.5 | 347.9 | 360.3 | 372.6 | 385.0 | 397.4 | 405.4 |
| 75° | 236.5 | 247.8 | 259.1 | 270.4 | 281.7 | 293.8 | 306.6 | 319.4 | 332.3 | 345.1 | 353.6 |
| 77.5° | 182.9 | 194.8 | 206.8 | 218.8 | 230.7 | 243.5 | 256.9 | 270.4 | 283.8 | 297.2 | 305.9 |
| 80° | 149.9 | 162.0 | 174.3 | 186.5 | 198.7 | 211.5 | 225.0 | 238.5 | 251.9 | 265.4 | 274.5 |
| 82.5° | 116.8 | 129.6 | 142.3 | 155.0 | 167.7 | 180.8 | 194.2 | 207.7 | 221.1 | 234.5 | 243.9 |
| 85° | 72.8 | 85.7 | 98.5 | 111.3 | 124.2 | 137.5 | 151.2 | 165.0 | 178.7 | 192.5 | 201.6 |
| 87.5° | 40.7 | 53.4 | 66.0 | 78.5 | 91.0 | 104.0 | 117.7 | 131.1 | 144.6 | 158.1 | 166.9 |
| 90° | 22.3 | 35.1 | 48.3 | 60.8 | 73.4 | 86.0 | 101.0 | 114.1 | 127.9 | 141.5 | 150.2 |
| 92.5° | 24.4 | 36.9 | 50.8 | 65.5 | 80.9 | 99.4 | 127.9 | 164.7 | 200.9 | 226.0 | 218.5 |
| 95° | 27.9 | 38.9 | 52.0 | 66.0 | 83.4 | 107.5 | 146.5 | 209.0 | 294.2 | 367.6 | 382.9 |
| 97.5° | 34.3 | 42.9 | 54.2 | 66.6 | 81.5 | 102.7 | 135.5 | 189.2 | 273.8 | 372.3 | 439.5 |
| 100° | 38.2 | 46.2 | 56.3 | 67.8 | 81.6 | 101.3 | 131.1 | 177.5 | 251.4 | 349.1 | 435.3 |
| 102.5° | 43.1 | 50.5 | 59.4 | 69.8 | 82.3 | 100.9 | 128.8 | 170.7 | 235.2 | 323.0 | 411.3 |
| 105° | 48.0 | 55.0 | 62.6 | 72.4 | 83.9 | 101.5 | 127.4 | 164.0 | 217.9 | 290.3 | 369.5 |
| 107.5° | 56.1 | 61.7 | 68.3 | 77.1 | 87.4 | 103.9 | 128.0 | 161.7 | 208.8 | 268.7 | 334.7 |
| 110° | 60.6 | 65.5 | 71.3 | 79.2 | 88.9 | 104.7 | 128.7 | 160.7 | 204.9 | 259.8 | 316.3 |



TEST NUMBER: P332675-935

CATALOG NUMBER: S124DIP-S1195D365U935-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 64.8 | 69.2 | 74.8 | 82.0 | 91.3 | 106.5 | 129.6 | 159.9 | 201.4 | 252.0 | 303.1 |
| 115° | 70.9 | 74.6 | 79.5 | 85.2 | 93.8 | 108.3 | 130.3 | 158.3 | 196.3 | 242.6 | 287.7 |
| 117.5° | 78.7 | 81.2 | 84.7 | 89.7 | 96.8 | 110.7 | 131.4 | 157.3 | 191.7 | 234.1 | 276.0 |
| 120° | 82.9 | 84.5 | 87.6 | 91.8 | 97.9 | 111.2 | 131.7 | 156.4 | 188.6 | 228.6 | 268.5 |
| 122.5° | 87.8 | 88.6 | 90.9 | 94.2 | 100.0 | 112.6 | 132.5 | 155.8 | 185.9 | 222.8 | 261.1 |
| 125° | 92.8 | 93.8 | 95.2 | 98.3 | 103.8 | 116.0 | 134.6 | 156.2 | 183.0 | 215.6 | 250.6 |
| 127.5° | 98.2 | 98.9 | 100.7 | 104.3 | 110.0 | 121.4 | 137.8 | 156.5 | 179.2 | 206.6 | 237.7 |
| 130° | 100.3 | 101.2 | 103.3 | 107.6 | 113.0 | 124.2 | 139.4 | 156.2 | 176.6 | 201.0 | 229.5 |
| 132.5° | 103.4 | 104.1 | 106.9 | 111.0 | 116.9 | 127.1 | 141.4 | 156.9 | 174.9 | 196.3 | 222.5 |
| 135° | 106.5 | 107.7 | 110.8 | 116.0 | 122.3 | 131.3 | 143.5 | 156.6 | 171.3 | 188.0 | 210.5 |
| 137.5° | 111.0 | 111.8 | 114.9 | 119.5 | 125.8 | 133.7 | 144.1 | 155.4 | 167.5 | 181.6 | 200.6 |
| 140° | 114.1 | 114.8 | 117.8 | 122.6 | 128.7 | 136.0 | 145.4 | 155.5 | 166.2 | 178.1 | 195.1 |
| 142.5° | 116.4 | 117.3 | 120.4 | 125.2 | 131.3 | 138.2 | 146.9 | 155.8 | 165.4 | 175.8 | 191.0 |
| 145° | 121.0 | 121.6 | 124.3 | 128.3 | 133.7 | 140.3 | 148.2 | 156.4 | 165.2 | 174.7 | 186.2 |
| 147.5° | 126.4 | 126.4 | 128.7 | 132.9 | 137.3 | 143.2 | 150.6 | 157.8 | 165.6 | 173.6 | 182.4 |
| 150° | 129.8 | 129.8 | 131.9 | 135.3 | 139.5 | 145.2 | 151.9 | 158.5 | 165.6 | 172.8 | 180.5 |
| 152.5° | 131.8 | 131.8 | 134.2 | 137.6 | 141.5 | 146.9 | 152.8 | 159.0 | 165.1 | 171.6 | 178.5 |
| 155° | 136.0 | 136.3 | 138.2 | 141.2 | 144.6 | 149.1 | 154.3 | 159.5 | 164.4 | 169.8 | 175.6 |
| 157.5° | 140.3 | 140.3 | 142.1 | 144.4 | 147.3 | 150.9 | 155.3 | 159.5 | 163.5 | 167.9 | 172.6 |
| 160° | 143.0 | 143.0 | 144.2 | 146.4 | 148.8 | 152.1 | 155.8 | 159.5 | 162.8 | 166.4 | 170.4 |
| 162.5° | 145.4 | 145.3 | 146.2 | 148.1 | 150.2 | 152.9 | 156.3 | 159.5 | 162.0 | 165.0 | 168.5 |
| 165° | 148.2 | 148.2 | 148.8 | 150.3 | 151.9 | 153.7 | 156.4 | 158.9 | 160.7 | 162.8 | 165.2 |
| 167.5° | 150.9 | 150.6 | 150.9 | 152.1 | 152.9 | 154.4 | 156.4 | 158.1 | 159.2 | 160.6 | 162.3 |
| 170° | 152.1 | 151.9 | 152.1 | 153.1 | 153.7 | 154.5 | 156.1 | 157.6 | 158.3 | 159.1 | 160.4 |
| 172.5° | 153.3 | 153.1 | 153.1 | 153.8 | 154.1 | 154.8 | 155.8 | 157.1 | 157.3 | 157.6 | 158.7 |
| 175° | 154.5 | 154.3 | 154.3 | 154.5 | 154.9 | 154.9 | 155.5 | 156.4 | 156.1 | 156.1 | 156.7 |
| 177.5° | 155.2 | 154.9 | 154.6 | 154.9 | 154.9 | 154.9 | 155.2 | 155.6 | 155.2 | 155.2 | 155.4 |
| 180° | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 |



TEST NUMBER: P332675-935

CATALOG NUMBER: S124DIP-S1195D365U935-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 | 1227.8 |
| 2.5° | 1223.5 | 1225.2 | 1226.9 | 1227.6 | 1227.4 | 1227.1 | 1226.9 | 1226.7 |
| 5° | 1220.3 | 1222.7 | 1225.1 | 1226.2 | 1225.9 | 1225.6 | 1225.3 | 1225.0 |
| 7.5° | 1213.8 | 1216.5 | 1219.3 | 1220.5 | 1220.1 | 1219.9 | 1219.5 | 1219.3 |
| 10° | 1207.1 | 1209.9 | 1212.6 | 1213.8 | 1213.6 | 1213.2 | 1212.9 | 1212.6 |
| 12.5° | 1197.8 | 1200.3 | 1202.8 | 1204.1 | 1204.0 | 1203.9 | 1203.9 | 1203.9 |
| 15° | 1181.0 | 1183.8 | 1186.5 | 1187.7 | 1187.4 | 1187.1 | 1186.8 | 1186.5 |
| 17.5° | 1160.5 | 1163.3 | 1166.1 | 1167.4 | 1167.2 | 1166.9 | 1166.7 | 1166.4 |
| 20° | 1144.5 | 1147.5 | 1150.6 | 1152.1 | 1152.1 | 1152.1 | 1152.1 | 1152.1 |
| 22.5° | 1125.8 | 1128.9 | 1131.9 | 1133.7 | 1134.2 | 1134.6 | 1135.1 | 1135.7 |
| 25° | 1097.0 | 1100.4 | 1103.7 | 1105.5 | 1105.9 | 1106.1 | 1106.5 | 1106.7 |
| 27.5° | 1064.6 | 1067.7 | 1070.8 | 1072.5 | 1073.0 | 1073.3 | 1073.7 | 1074.0 |
| 30° | 1042.0 | 1045.3 | 1048.7 | 1050.7 | 1051.3 | 1051.9 | 1052.5 | 1053.2 |
| 32.5° | 1018.7 | 1022.6 | 1026.5 | 1028.7 | 1029.3 | 1029.9 | 1030.5 | 1031.1 |
| 35° | 982.0 | 986.2 | 990.5 | 993.1 | 994.0 | 995.0 | 995.8 | 996.8 |
| 37.5° | 943.6 | 947.9 | 952.3 | 954.9 | 955.9 | 956.8 | 957.9 | 958.8 |
| 40° | 916.5 | 921.2 | 925.7 | 928.7 | 929.9 | 931.1 | 932.3 | 933.5 |
| 42.5° | 890.0 | 895.1 | 900.2 | 903.2 | 904.2 | 905.2 | 906.1 | 907.1 |
| 45° | 849.0 | 854.3 | 859.5 | 862.8 | 864.4 | 865.8 | 867.4 | 868.9 |
| 47.5° | 805.7 | 811.1 | 816.5 | 820.0 | 821.9 | 823.7 | 825.5 | 827.4 |
| 50° | 775.2 | 781.4 | 787.5 | 791.4 | 793.3 | 795.1 | 796.9 | 798.7 |
| 52.5° | 744.5 | 750.6 | 756.6 | 760.7 | 762.5 | 764.3 | 766.1 | 768.0 |
| 55° | 698.3 | 704.4 | 710.5 | 714.5 | 716.3 | 718.2 | 720.0 | 721.8 |
| 57.5° | 649.7 | 657.0 | 664.3 | 668.7 | 670.5 | 672.2 | 673.9 | 675.6 |
| 60° | 616.2 | 623.3 | 630.3 | 635.0 | 637.5 | 639.9 | 642.4 | 644.8 |
| 62.5° | 583.2 | 590.3 | 597.3 | 602.0 | 604.5 | 606.9 | 609.3 | 611.8 |
| 65° | 532.2 | 539.8 | 547.5 | 552.5 | 555.0 | 557.4 | 559.9 | 562.3 |
| 67.5° | 482.2 | 489.9 | 497.7 | 502.7 | 505.1 | 507.5 | 509.9 | 512.3 |
| 70° | 446.9 | 455.0 | 463.3 | 468.6 | 470.6 | 472.8 | 474.9 | 477.1 |
| 72.5° | 413.4 | 421.4 | 429.4 | 434.5 | 437.0 | 439.3 | 441.7 | 444.1 |
| 75° | 362.2 | 370.7 | 379.3 | 385.0 | 387.7 | 390.5 | 393.2 | 396.0 |
| 77.5° | 314.6 | 323.3 | 331.9 | 337.8 | 340.7 | 343.6 | 346.6 | 349.5 |
| 80° | 283.7 | 292.8 | 302.0 | 307.8 | 310.2 | 312.7 | 315.1 | 317.6 |
| 82.5° | 253.4 | 262.8 | 272.2 | 278.3 | 280.9 | 283.6 | 286.3 | 289.0 |
| 85° | 210.8 | 220.0 | 229.1 | 235.2 | 238.3 | 241.3 | 244.4 | 247.5 |
| 87.5° | 175.8 | 184.8 | 193.6 | 199.4 | 202.2 | 204.9 | 207.6 | 210.3 |
| 90° | 159.3 | 168.5 | 177.6 | 183.3 | 186.1 | 188.8 | 190.9 | 193.4 |
| 92.5° | 206.5 | 200.4 | 199.8 | 199.2 | 198.0 | 198.9 | 200.3 | 202.7 |
| 95° | 361.6 | 322.7 | 290.2 | 266.1 | 254.0 | 247.3 | 244.5 | 243.3 |
| 97.5° | 460.2 | 450.7 | 429.0 | 402.5 | 383.3 | 367.6 | 361.1 | 357.4 |
| 100° | 488.0 | 502.3 | 495.7 | 478.3 | 454.0 | 437.6 | 430.6 | 430.2 |
| 102.5° | 480.3 | 518.5 | 530.8 | 526.6 | 512.7 | 501.7 | 494.5 | 494.9 |
| 105° | 446.9 | 507.1 | 544.8 | 562.4 | 565.4 | 565.4 | 563.6 | 564.3 |
| 107.5° | 403.9 | 467.4 | 517.4 | 549.4 | 566.6 | 575.8 | 581.0 | 583.9 |
| 110° | 377.5 | 437.2 | 488.4 | 526.6 | 550.6 | 565.8 | 573.8 | 578.9 |



TEST NUMBER: P332675-935

CATALOG NUMBER: S124DIP-S1195D365U935-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 356.2 | 409.6 | 458.1 | 496.1 | 523.1 | 541.0 | 551.1 | 558.0 |
| 115° | 332.4 | 376.6 | 419.0 | 452.5 | 478.7 | 499.1 | 511.0 | 515.6 |
| 117.5° | 315.9 | 353.3 | 387.6 | 416.8 | 439.7 | 457.5 | 469.8 | 474.2 |
| 120° | 306.5 | 341.0 | 371.4 | 397.3 | 417.1 | 432.9 | 443.2 | 449.0 |
| 122.5° | 298.1 | 331.6 | 359.8 | 382.9 | 399.8 | 413.4 | 422.3 | 427.8 |
| 125° | 285.6 | 317.6 | 344.4 | 365.0 | 379.0 | 389.6 | 397.3 | 400.9 |
| 127.5° | 270.7 | 301.2 | 327.6 | 347.3 | 361.6 | 371.5 | 378.5 | 382.4 |
| 130° | 260.3 | 289.9 | 316.1 | 335.9 | 350.2 | 359.6 | 366.3 | 370.0 |
| 132.5° | 250.3 | 278.2 | 303.6 | 323.3 | 337.3 | 347.8 | 354.2 | 357.9 |
| 135° | 234.5 | 259.2 | 282.7 | 301.3 | 315.2 | 325.6 | 332.3 | 336.0 |
| 137.5° | 221.0 | 242.2 | 262.3 | 279.1 | 292.0 | 301.9 | 307.4 | 311.2 |
| 140° | 213.0 | 231.4 | 249.0 | 264.5 | 276.7 | 284.9 | 290.7 | 294.6 |
| 142.5° | 206.5 | 222.6 | 237.8 | 251.2 | 261.9 | 269.4 | 274.5 | 277.5 |
| 145° | 197.8 | 210.0 | 220.9 | 231.0 | 239.8 | 246.2 | 250.5 | 253.2 |
| 147.5° | 190.7 | 199.1 | 206.7 | 214.0 | 220.6 | 226.0 | 229.3 | 230.8 |
| 150° | 187.8 | 194.8 | 200.9 | 206.3 | 211.2 | 215.2 | 217.0 | 217.2 |
| 152.5° | 185.1 | 191.1 | 196.7 | 201.2 | 205.3 | 208.5 | 209.7 | 210.0 |
| 155° | 181.1 | 185.9 | 190.5 | 194.2 | 197.2 | 199.6 | 200.5 | 200.5 |
| 157.5° | 176.8 | 180.8 | 184.7 | 187.6 | 189.9 | 191.7 | 192.3 | 192.3 |
| 160° | 174.1 | 177.4 | 180.7 | 183.2 | 185.0 | 186.8 | 187.2 | 187.2 |
| 162.5° | 171.4 | 174.3 | 176.8 | 179.1 | 180.4 | 182.2 | 182.5 | 182.3 |
| 165° | 167.6 | 169.5 | 171.6 | 173.1 | 174.4 | 175.6 | 175.3 | 175.0 |
| 167.5° | 164.1 | 165.5 | 167.2 | 168.1 | 168.7 | 169.5 | 169.4 | 169.2 |
| 170° | 161.9 | 162.8 | 164.0 | 165.0 | 165.6 | 165.8 | 165.6 | 165.6 |
| 172.5° | 160.0 | 160.6 | 161.4 | 162.0 | 162.4 | 162.6 | 162.4 | 161.9 |
| 175° | 157.3 | 157.6 | 158.3 | 158.3 | 158.3 | 158.9 | 158.3 | 157.6 |
| 177.5° | 155.6 | 155.8 | 155.8 | 156.1 | 155.8 | 156.1 | 155.6 | 155.2 |
| 180° | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 | 154.9 |

(END OF REPORT)