

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: P333276-930

Luminaire Tested: **S125DIP-S1090D810U930-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333276-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D810U930-4F0-1E-UDD-F4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

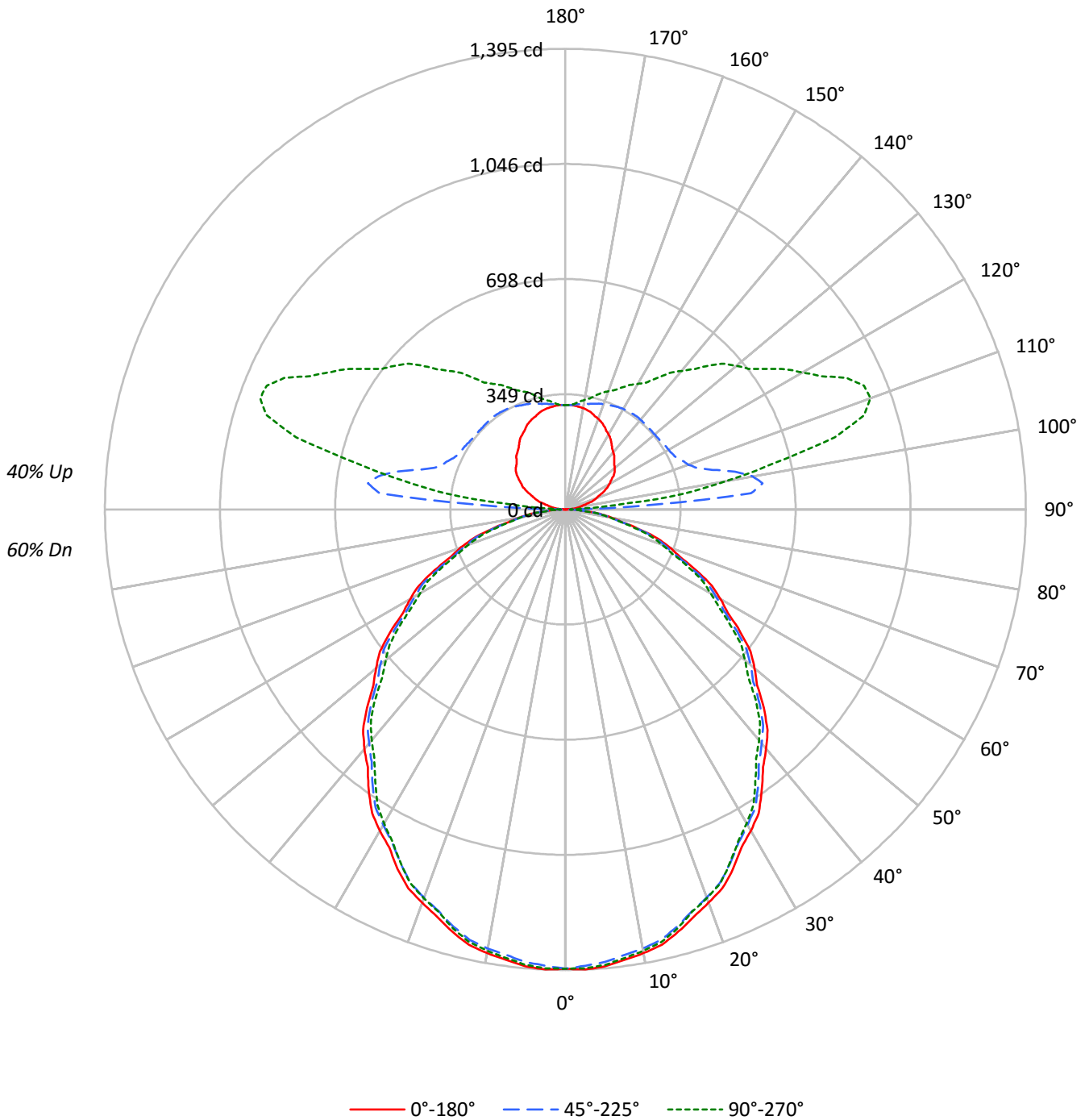
Lumens per Lamp: N/A
Luminaire Lumens: 5993.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 54.4
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: P333276-930
CATALOG NUMBER: S125DIP-S1090D810U930-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P333276-930

CATALOG NUMBER: S125DIP-S1090D810U930-4F0-1E-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 | 110 | 110 | 110 | 110 | 102 | 102 | 102 | 102 | 89 | 89 | 89 | 77 | 77 | 77 | 66 | 66 | 66 | 60 |
| 1 | 100 | 96 | 92 | 88 | 93 | 90 | 86 | 83 | 78 | 76 | 73 | 68 | 66 | 64 | 58 | 57 | 55 | 51 |
| 2 | 91 | 83 | 77 | 72 | 85 | 78 | 73 | 68 | 68 | 64 | 61 | 59 | 56 | 53 | 51 | 49 | 47 | 42 |
| 3 | 83 | 73 | 66 | 60 | 77 | 69 | 62 | 57 | 60 | 55 | 51 | 52 | 48 | 45 | 45 | 42 | 40 | 36 |
| 4 | 76 | 65 | 57 | 51 | 71 | 61 | 54 | 48 | 54 | 48 | 43 | 47 | 42 | 39 | 40 | 37 | 34 | 31 |
| 5 | 70 | 58 | 50 | 43 | 65 | 55 | 47 | 41 | 48 | 42 | 37 | 42 | 37 | 34 | 36 | 33 | 30 | 27 |
| 6 | 64 | 52 | 44 | 38 | 60 | 49 | 42 | 36 | 43 | 37 | 33 | 38 | 33 | 29 | 33 | 29 | 26 | 23 |
| 7 | 60 | 47 | 39 | 33 | 56 | 44 | 37 | 32 | 39 | 33 | 29 | 35 | 30 | 26 | 30 | 26 | 23 | 21 |
| 8 | 55 | 43 | 35 | 29 | 52 | 40 | 33 | 28 | 36 | 30 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 19 |
| 9 | 52 | 39 | 31 | 26 | 48 | 37 | 30 | 25 | 33 | 27 | 23 | 29 | 24 | 21 | 26 | 22 | 19 | 17 |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 27 | 23 | 30 | 25 | 21 | 27 | 22 | 19 | 24 | 20 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8985 | 8985 | 8985 |
| 5° | 9005 | 8919 | 8976 |
| 10° | 8950 | 8857 | 8907 |
| 15° | 8852 | 8750 | 8787 |
| 20° | 8715 | 8601 | 8616 |
| 25° | 8565 | 8424 | 8416 |
| 30° | 8380 | 8232 | 8192 |
| 35° | 8183 | 8027 | 7914 |
| 40° | 7981 | 7804 | 7692 |
| 45° | 7761 | 7600 | 7448 |
| 50° | 7519 | 7354 | 7133 |
| 55° | 7287 | 7076 | 6877 |
| 60° | 7009 | 6795 | 6554 |
| 65° | 6677 | 6460 | 6240 |
| 70° | 6360 | 6069 | 5861 |
| 75° | 5794 | 5602 | 5410 |
| 80° | 5159 | 5077 | 4950 |
| 85° | 4483 | 4565 | 4320 |



TEST NUMBER: P333276-930

CATALOG NUMBER: S125DIP-S1090D810U930-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 131.2 | 2.2 |
| 10°-20° | 370.5 | 6.2 |
| 20°-30° | 547.1 | 9.1 |
| 30°-40° | 638.4 | 10.7 |
| 40°-50° | 641.2 | 10.7 |
| 50°-60° | 562.8 | 9.4 |
| 60°-70° | 419.4 | 7.0 |
| 70°-80° | 239.8 | 4.0 |
| 80°-90° | 71.5 | 1.2 |
| 90°-100° | 229.2 | 3.8 |
| 100°-110° | 492.7 | 8.2 |
| 110°-120° | 462.4 | 7.7 |
| 120°-130° | 374.7 | 6.3 |
| 130°-140° | 300.7 | 5.0 |
| 140°-150° | 226.9 | 3.8 |
| 150°-160° | 159.7 | 2.7 |
| 160°-170° | 94.2 | 1.6 |
| 170°-180° | 30.6 | 0.5 |
| 0°-30° | 1048.8 | 17.5 |
| 0°-40° | 1687.2 | 28.2 |
| 0°-60° | 2891.2 | 48.2 |
| 0°-90° | 3621.9 | 60.4 |
| 90°-120° | 1184.3 | 19.8 |
| 90°-150° | 2086.6 | 34.8 |
| 90°-180° | 2371.0 | 39.6 |
| 0°-180° | 5993.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1391 | 1391 | 1391 | 1391 | 1391 | |
| 5° | 1389 | 1386 | 1376 | 1385 | 1385 | 132 |
| 15° | 1324 | 1320 | 1309 | 1314 | 1314 | 373 |
| 25° | 1202 | 1196 | 1182 | 1184 | 1181 | 553 |
| 35° | 1038 | 1033 | 1018 | 1012 | 1004 | 649 |
| 45° | 850 | 845 | 832 | 819 | 816 | 655 |
| 55° | 647 | 643 | 628 | 619 | 611 | 578 |
| 65° | 437 | 434 | 423 | 413 | 408 | 433 |
| 75° | 232 | 230 | 224 | 221 | 217 | 248 |
| 85° | 60 | 62 | 62 | 60 | 58 | 68 |
| 90° | 1 | 6 | 10 | 13 | 15 | 5 |
| 95° | 21 | 62 | 565 | 256 | 150 | 22 |
| 105° | 72 | 101 | 462 | 910 | 845 | 76 |
| 115° | 129 | 155 | 371 | 800 | 941 | 127 |
| 125° | 178 | 209 | 356 | 636 | 741 | 158 |
| 135° | 209 | 252 | 353 | 533 | 616 | 162 |
| 145° | 244 | 279 | 354 | 441 | 486 | 153 |
| 155° | 278 | 299 | 346 | 390 | 407 | 128 |
| 165° | 304 | 312 | 332 | 352 | 357 | 85 |
| 175° | 316 | 316 | 318 | 322 | 321 | 30 |
| 180° | 316 | 316 | 316 | 316 | 316 | |



TEST NUMBER: P333276-930

CATALOG NUMBER: S125DIP-S1090D810U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 |
| 2.5° | 1394.7 | 1394.2 | 1393.5 | 1392.9 | 1392.4 | 1391.1 | 1389.1 | 1387.2 | 1385.2 | 1383.2 | 1385.2 |
| 5° | 1389.0 | 1388.5 | 1388.0 | 1387.6 | 1387.1 | 1385.6 | 1383.2 | 1380.7 | 1378.3 | 1375.8 | 1378.0 |
| 7.5° | 1376.2 | 1375.7 | 1375.2 | 1374.8 | 1374.3 | 1372.6 | 1369.9 | 1367.3 | 1364.6 | 1361.9 | 1364.1 |
| 10° | 1364.8 | 1364.3 | 1363.8 | 1363.3 | 1362.9 | 1361.2 | 1358.5 | 1355.8 | 1353.2 | 1350.5 | 1352.4 |
| 12.5° | 1350.7 | 1349.8 | 1348.9 | 1348.0 | 1347.2 | 1345.5 | 1343.0 | 1340.5 | 1338.0 | 1335.5 | 1337.1 |
| 15° | 1324.0 | 1323.3 | 1322.6 | 1321.8 | 1321.1 | 1319.4 | 1316.7 | 1314.0 | 1311.3 | 1308.6 | 1309.9 |
| 17.5° | 1293.5 | 1292.4 | 1291.3 | 1290.2 | 1289.2 | 1287.2 | 1284.4 | 1281.7 | 1278.9 | 1276.0 | 1277.6 |
| 20° | 1268.0 | 1267.5 | 1267.0 | 1266.5 | 1266.0 | 1264.1 | 1260.9 | 1257.8 | 1254.6 | 1251.4 | 1253.1 |
| 22.5° | 1242.4 | 1241.5 | 1240.6 | 1239.7 | 1238.8 | 1236.9 | 1234.0 | 1230.9 | 1228.0 | 1225.0 | 1226.1 |
| 25° | 1201.9 | 1200.7 | 1199.5 | 1198.2 | 1197.0 | 1194.8 | 1191.6 | 1188.5 | 1185.3 | 1182.1 | 1182.6 |
| 27.5° | 1154.5 | 1153.8 | 1153.1 | 1152.3 | 1151.6 | 1149.7 | 1146.3 | 1143.0 | 1139.8 | 1136.5 | 1136.6 |
| 30° | 1123.7 | 1123.0 | 1122.3 | 1121.5 | 1120.8 | 1118.6 | 1114.9 | 1111.3 | 1107.6 | 1103.9 | 1103.4 |
| 32.5° | 1090.3 | 1089.2 | 1088.0 | 1086.9 | 1085.8 | 1083.6 | 1080.3 | 1077.0 | 1073.7 | 1070.5 | 1069.6 |
| 35° | 1037.9 | 1036.9 | 1035.9 | 1034.9 | 1034.0 | 1031.8 | 1028.3 | 1024.9 | 1021.5 | 1018.1 | 1016.8 |
| 37.5° | 983.5 | 982.3 | 981.0 | 979.8 | 978.6 | 976.4 | 973.1 | 970.0 | 966.7 | 963.5 | 961.6 |
| 40° | 946.6 | 945.3 | 944.1 | 942.9 | 941.7 | 939.3 | 935.9 | 932.5 | 929.0 | 925.6 | 923.4 |
| 42.5° | 906.9 | 905.9 | 904.9 | 903.8 | 902.8 | 900.6 | 897.2 | 893.7 | 890.3 | 886.9 | 884.8 |
| 45° | 849.7 | 848.7 | 847.7 | 846.8 | 845.8 | 843.8 | 840.9 | 838.0 | 835.0 | 832.1 | 829.2 |
| 47.5° | 788.1 | 788.1 | 788.1 | 788.2 | 788.2 | 786.5 | 783.0 | 779.4 | 775.9 | 772.4 | 769.4 |
| 50° | 748.4 | 747.7 | 747.0 | 746.2 | 745.5 | 743.6 | 740.7 | 737.8 | 734.8 | 731.9 | 728.7 |
| 52.5° | 707.9 | 707.4 | 706.9 | 706.3 | 705.8 | 703.9 | 700.8 | 697.7 | 694.6 | 691.4 | 688.6 |
| 55° | 647.2 | 646.5 | 645.7 | 645.0 | 644.2 | 642.1 | 638.7 | 635.3 | 631.9 | 628.4 | 626.2 |
| 57.5° | 583.1 | 582.7 | 582.4 | 582.0 | 581.6 | 579.9 | 577.0 | 574.1 | 571.3 | 568.3 | 565.5 |
| 60° | 542.6 | 541.6 | 540.6 | 539.6 | 538.7 | 536.9 | 534.2 | 531.5 | 528.8 | 526.1 | 523.7 |
| 62.5° | 500.3 | 499.5 | 498.8 | 498.0 | 497.3 | 495.7 | 493.3 | 491.1 | 488.8 | 486.5 | 483.8 |
| 65° | 436.9 | 436.4 | 435.9 | 435.5 | 435.0 | 433.4 | 430.7 | 428.0 | 425.3 | 422.7 | 420.4 |
| 67.5° | 375.5 | 374.5 | 373.5 | 372.4 | 371.5 | 369.9 | 367.9 | 365.9 | 363.9 | 361.9 | 360.0 |
| 70° | 336.8 | 335.6 | 334.4 | 333.1 | 331.9 | 330.2 | 328.0 | 325.8 | 323.6 | 321.4 | 319.9 |
| 72.5° | 294.6 | 293.7 | 292.9 | 292.0 | 291.2 | 290.1 | 288.7 | 287.2 | 285.8 | 284.4 | 282.7 |
| 75° | 232.2 | 231.7 | 231.2 | 230.7 | 230.2 | 229.4 | 228.2 | 227.0 | 225.8 | 224.5 | 223.8 |
| 77.5° | 174.8 | 174.6 | 174.4 | 174.2 | 174.0 | 173.6 | 172.8 | 172.2 | 171.5 | 170.8 | 170.4 |
| 80° | 138.7 | 138.7 | 138.7 | 138.7 | 138.7 | 138.4 | 137.9 | 137.5 | 137.0 | 136.5 | 136.2 |
| 82.5° | 107.0 | 106.6 | 106.2 | 105.8 | 105.4 | 105.2 | 105.1 | 105.0 | 104.8 | 104.8 | 104.4 |
| 85° | 60.5 | 60.7 | 61.0 | 61.2 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.4 |
| 87.5° | 23.9 | 24.1 | 24.3 | 24.5 | 24.8 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 25.0 |
| 90° | 0.7 | 1.3 | 2.5 | 3.8 | 5.1 | 6.4 | 7.0 | 8.3 | 8.9 | 10.2 | 10.8 |
| 92.5° | 7.7 | 9.5 | 14.8 | 22.7 | 33.7 | 52.3 | 87.1 | 145.4 | 208.8 | 205.5 | 166.4 |
| 95° | 21.0 | 21.7 | 26.7 | 33.8 | 47.8 | 76.5 | 144.7 | 284.9 | 460.9 | 564.8 | 552.7 |
| 97.5° | 34.9 | 35.7 | 39.3 | 46.3 | 58.9 | 79.6 | 124.7 | 227.5 | 411.6 | 603.2 | 699.3 |
| 100° | 44.6 | 45.9 | 48.4 | 55.4 | 67.6 | 86.7 | 123.7 | 206.5 | 367.2 | 575.7 | 735.0 |
| 102.5° | 55.4 | 56.1 | 58.1 | 65.6 | 76.7 | 95.4 | 128.2 | 197.9 | 333.5 | 527.2 | 713.6 |
| 105° | 72.1 | 72.1 | 75.3 | 81.6 | 91.8 | 109.7 | 137.7 | 194.4 | 300.9 | 462.2 | 645.1 |
| 107.5° | 88.4 | 89.6 | 92.7 | 97.9 | 108.5 | 124.6 | 151.7 | 200.3 | 287.1 | 417.4 | 575.3 |
| 110° | 100.1 | 101.3 | 103.9 | 109.7 | 119.2 | 135.7 | 161.9 | 205.9 | 283.1 | 396.5 | 535.5 |



TEST NUMBER: P333276-930

CATALOG NUMBER: S125DIP-S1090D810U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 111.8 | 113.1 | 115.1 | 120.8 | 130.4 | 146.5 | 171.6 | 213.0 | 283.1 | 384.3 | 505.9 |
| 115° | 128.7 | 130.0 | 132.0 | 137.7 | 147.2 | 163.2 | 186.8 | 223.7 | 284.9 | 371.0 | 473.6 |
| 117.5° | 144.1 | 146.0 | 148.1 | 153.8 | 164.6 | 180.0 | 202.4 | 236.0 | 289.2 | 364.5 | 454.4 |
| 120° | 154.3 | 156.2 | 158.7 | 164.4 | 175.3 | 191.3 | 213.5 | 244.2 | 293.3 | 361.4 | 443.7 |
| 122.5° | 165.0 | 166.4 | 168.4 | 174.1 | 186.1 | 201.9 | 224.3 | 253.3 | 296.8 | 358.9 | 434.5 |
| 125° | 178.5 | 179.8 | 183.0 | 188.7 | 200.8 | 217.4 | 238.4 | 265.8 | 302.8 | 355.7 | 422.0 |
| 127.5° | 189.1 | 191.0 | 195.1 | 202.4 | 215.2 | 231.8 | 252.1 | 277.3 | 309.6 | 354.2 | 410.5 |
| 130° | 195.7 | 197.6 | 202.7 | 211.0 | 224.4 | 241.0 | 260.7 | 284.9 | 313.6 | 353.2 | 402.9 |
| 132.5° | 200.8 | 203.3 | 209.4 | 218.7 | 232.5 | 249.2 | 268.9 | 291.6 | 318.2 | 353.2 | 396.8 |
| 135° | 209.1 | 211.7 | 219.3 | 229.5 | 242.9 | 260.1 | 279.9 | 300.9 | 324.5 | 353.2 | 389.5 |
| 137.5° | 219.6 | 221.4 | 228.6 | 238.8 | 251.9 | 269.6 | 287.6 | 307.8 | 330.2 | 353.9 | 383.0 |
| 140° | 225.7 | 227.6 | 235.2 | 245.4 | 257.6 | 274.8 | 293.3 | 312.3 | 332.7 | 354.4 | 379.9 |
| 142.5° | 232.8 | 234.2 | 241.3 | 251.5 | 263.2 | 279.3 | 296.8 | 315.0 | 334.3 | 355.0 | 377.4 |
| 145° | 243.5 | 244.8 | 251.2 | 260.1 | 271.6 | 286.3 | 302.8 | 318.7 | 336.0 | 354.4 | 373.6 |
| 147.5° | 254.7 | 255.5 | 261.0 | 269.3 | 279.2 | 292.1 | 306.6 | 321.1 | 336.6 | 352.8 | 369.6 |
| 150° | 261.4 | 262.6 | 267.1 | 275.4 | 284.3 | 295.1 | 309.2 | 322.5 | 336.6 | 351.2 | 366.6 |
| 152.5° | 268.5 | 269.3 | 273.2 | 280.5 | 288.9 | 298.7 | 311.7 | 323.6 | 336.1 | 349.2 | 363.0 |
| 155° | 277.9 | 277.9 | 281.8 | 288.1 | 294.5 | 303.5 | 314.3 | 324.5 | 334.7 | 345.5 | 357.0 |
| 157.5° | 286.3 | 286.3 | 289.3 | 294.7 | 300.4 | 307.1 | 316.4 | 325.1 | 333.0 | 341.7 | 351.4 |
| 160° | 292.0 | 291.3 | 293.9 | 298.3 | 303.5 | 309.2 | 317.5 | 325.1 | 331.5 | 339.2 | 346.8 |
| 162.5° | 296.5 | 296.0 | 298.5 | 302.4 | 306.5 | 311.2 | 318.5 | 324.6 | 330.0 | 336.1 | 342.7 |
| 165° | 303.5 | 302.1 | 304.1 | 307.3 | 309.8 | 313.6 | 318.7 | 323.8 | 327.7 | 331.5 | 336.6 |
| 167.5° | 308.0 | 307.4 | 308.5 | 310.3 | 312.1 | 314.5 | 318.7 | 322.3 | 324.1 | 327.0 | 330.6 |
| 170° | 311.1 | 310.5 | 311.1 | 312.3 | 313.6 | 315.5 | 318.7 | 321.3 | 322.5 | 324.5 | 327.0 |
| 172.5° | 313.2 | 312.0 | 312.6 | 313.9 | 314.6 | 315.5 | 318.2 | 320.2 | 320.5 | 321.4 | 323.4 |
| 175° | 315.5 | 314.3 | 315.0 | 315.5 | 315.5 | 315.5 | 317.5 | 318.7 | 318.1 | 318.1 | 318.7 |
| 177.5° | 316.7 | 315.7 | 315.7 | 316.2 | 315.7 | 315.7 | 316.7 | 317.2 | 316.2 | 316.2 | 316.7 |
| 180° | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 |



TEST NUMBER: P333276-930

CATALOG NUMBER: S125DIP-S1090D810U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 | 1391.2 |
| 2.5° | 1387.2 | 1389.1 | 1391.1 | 1392.0 | 1391.8 | 1391.6 | 1391.4 | 1391.2 |
| 5° | 1380.2 | 1382.4 | 1384.6 | 1385.6 | 1385.4 | 1385.1 | 1384.9 | 1384.6 |
| 7.5° | 1366.2 | 1368.4 | 1370.5 | 1371.5 | 1371.3 | 1371.0 | 1370.8 | 1370.5 |
| 10° | 1354.4 | 1356.3 | 1358.3 | 1359.2 | 1358.9 | 1358.7 | 1358.5 | 1358.2 |
| 12.5° | 1338.6 | 1340.2 | 1341.7 | 1342.6 | 1342.5 | 1342.4 | 1342.4 | 1342.3 |
| 15° | 1311.1 | 1312.3 | 1313.5 | 1314.2 | 1314.2 | 1314.2 | 1314.2 | 1314.2 |
| 17.5° | 1279.1 | 1280.6 | 1282.1 | 1282.3 | 1281.1 | 1279.9 | 1278.6 | 1277.4 |
| 20° | 1254.8 | 1256.5 | 1258.3 | 1258.5 | 1257.3 | 1256.1 | 1254.8 | 1253.6 |
| 22.5° | 1227.3 | 1228.4 | 1229.5 | 1229.6 | 1228.8 | 1228.0 | 1227.2 | 1226.3 |
| 25° | 1183.1 | 1183.6 | 1184.1 | 1183.9 | 1183.2 | 1182.4 | 1181.7 | 1181.0 |
| 27.5° | 1136.7 | 1136.8 | 1136.9 | 1136.6 | 1135.9 | 1135.1 | 1134.4 | 1133.7 |
| 30° | 1102.9 | 1102.4 | 1102.0 | 1101.4 | 1100.7 | 1099.9 | 1099.2 | 1098.5 |
| 32.5° | 1068.7 | 1067.8 | 1067.0 | 1065.8 | 1064.5 | 1063.2 | 1061.8 | 1060.5 |
| 35° | 1015.6 | 1014.4 | 1013.2 | 1011.6 | 1009.7 | 1007.7 | 1005.8 | 1003.8 |
| 37.5° | 959.9 | 958.1 | 956.3 | 954.8 | 953.7 | 952.5 | 951.4 | 950.3 |
| 40° | 921.2 | 919.0 | 916.8 | 915.3 | 914.6 | 913.9 | 913.1 | 912.4 |
| 42.5° | 882.9 | 880.8 | 878.9 | 877.3 | 876.2 | 875.1 | 873.9 | 872.8 |
| 45° | 826.2 | 823.3 | 820.4 | 818.5 | 817.7 | 817.0 | 816.3 | 815.5 |
| 47.5° | 766.5 | 763.4 | 760.5 | 758.1 | 756.4 | 754.7 | 753.0 | 751.3 |
| 50° | 725.5 | 722.4 | 719.2 | 716.7 | 715.0 | 713.3 | 711.6 | 709.9 |
| 52.5° | 685.8 | 683.1 | 680.3 | 677.9 | 676.0 | 674.1 | 672.2 | 670.3 |
| 55° | 624.0 | 621.8 | 619.6 | 617.7 | 616.0 | 614.2 | 612.5 | 610.8 |
| 57.5° | 562.7 | 559.9 | 557.0 | 555.1 | 554.2 | 553.3 | 552.4 | 551.4 |
| 60° | 521.2 | 518.8 | 516.3 | 514.2 | 512.5 | 510.8 | 509.1 | 507.4 |
| 62.5° | 481.2 | 478.6 | 475.9 | 473.9 | 472.6 | 471.3 | 469.9 | 468.6 |
| 65° | 418.2 | 416.0 | 413.8 | 412.2 | 411.2 | 410.3 | 409.3 | 408.3 |
| 67.5° | 358.2 | 356.3 | 354.4 | 353.2 | 352.6 | 352.0 | 351.5 | 350.9 |
| 70° | 318.5 | 317.0 | 315.5 | 314.3 | 313.3 | 312.3 | 311.4 | 310.4 |
| 72.5° | 281.1 | 279.4 | 277.8 | 276.5 | 275.5 | 274.5 | 273.5 | 272.6 |
| 75° | 223.1 | 222.3 | 221.6 | 220.7 | 219.7 | 218.7 | 217.8 | 216.8 |
| 77.5° | 169.9 | 169.5 | 169.1 | 168.5 | 167.8 | 167.1 | 166.4 | 165.8 |
| 80° | 136.0 | 135.7 | 135.5 | 135.1 | 134.6 | 134.1 | 133.6 | 133.1 |
| 82.5° | 103.9 | 103.5 | 103.1 | 102.7 | 102.6 | 102.6 | 102.5 | 102.3 |
| 85° | 61.1 | 60.9 | 60.7 | 60.3 | 59.8 | 59.3 | 58.8 | 58.3 |
| 87.5° | 25.2 | 25.4 | 25.4 | 25.5 | 25.1 | 24.7 | 24.5 | 24.1 |
| 90° | 11.5 | 12.1 | 12.7 | 14.0 | 14.0 | 14.0 | 14.7 | 14.7 |
| 92.5° | 113.0 | 82.0 | 61.7 | 52.3 | 44.1 | 42.6 | 41.7 | 40.7 |
| 95° | 458.4 | 361.4 | 283.1 | 229.5 | 184.3 | 165.1 | 160.0 | 149.8 |
| 97.5° | 682.7 | 614.7 | 538.3 | 463.8 | 424.4 | 388.7 | 370.2 | 362.1 |
| 100° | 784.1 | 752.8 | 687.2 | 620.9 | 576.9 | 531.0 | 507.4 | 497.3 |
| 102.5° | 818.2 | 837.6 | 806.0 | 761.2 | 714.1 | 681.4 | 655.8 | 648.2 |
| 105° | 798.1 | 885.5 | 913.5 | 906.5 | 886.1 | 865.0 | 852.3 | 844.7 |
| 107.5° | 726.2 | 842.8 | 914.8 | 948.0 | 958.4 | 958.2 | 954.1 | 948.9 |
| 110° | 673.2 | 794.3 | 884.2 | 938.3 | 967.0 | 979.2 | 983.7 | 983.7 |



TEST NUMBER: P333276-930

CATALOG NUMBER: S125DIP-S1090D810U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 631.4 | 746.3 | 837.2 | 901.2 | 943.1 | 963.8 | 974.9 | 979.6 |
| 115° | 578.9 | 677.7 | 765.0 | 834.5 | 884.2 | 914.8 | 932.6 | 940.9 |
| 117.5° | 544.9 | 630.1 | 705.3 | 769.1 | 818.8 | 850.4 | 868.1 | 873.2 |
| 120° | 526.5 | 603.1 | 673.2 | 729.3 | 776.4 | 807.1 | 824.3 | 829.3 |
| 122.5° | 512.8 | 583.7 | 646.1 | 698.7 | 740.8 | 768.8 | 786.0 | 790.6 |
| 125° | 492.8 | 557.8 | 613.3 | 659.2 | 694.9 | 721.0 | 735.0 | 741.4 |
| 127.5° | 472.4 | 533.0 | 584.8 | 627.8 | 660.1 | 683.2 | 696.5 | 699.3 |
| 130° | 459.6 | 515.8 | 565.4 | 606.9 | 638.8 | 659.8 | 672.5 | 676.4 |
| 132.5° | 446.9 | 499.4 | 544.5 | 584.4 | 616.3 | 637.3 | 649.1 | 653.4 |
| 135° | 430.3 | 474.3 | 515.1 | 551.4 | 579.4 | 600.5 | 612.0 | 615.8 |
| 137.5° | 416.3 | 451.8 | 485.8 | 516.6 | 541.8 | 560.8 | 571.4 | 575.7 |
| 140° | 408.6 | 438.5 | 467.9 | 494.6 | 518.3 | 534.8 | 544.4 | 547.6 |
| 142.5° | 402.0 | 427.4 | 452.6 | 475.8 | 495.9 | 509.9 | 518.9 | 521.5 |
| 145° | 393.3 | 413.1 | 432.8 | 450.0 | 465.4 | 476.2 | 483.2 | 485.8 |
| 147.5° | 385.1 | 401.2 | 416.4 | 429.4 | 441.5 | 450.2 | 454.3 | 455.4 |
| 150° | 380.6 | 394.6 | 406.7 | 418.2 | 427.8 | 435.4 | 438.0 | 438.5 |
| 152.5° | 375.4 | 388.0 | 399.1 | 408.0 | 416.0 | 422.2 | 424.7 | 425.3 |
| 155° | 367.9 | 378.1 | 386.9 | 394.0 | 400.3 | 404.8 | 406.7 | 407.3 |
| 157.5° | 360.2 | 368.6 | 375.4 | 381.0 | 386.0 | 389.6 | 391.4 | 391.3 |
| 160° | 355.1 | 361.4 | 367.9 | 372.3 | 376.7 | 379.9 | 381.2 | 380.6 |
| 162.5° | 349.4 | 355.3 | 360.7 | 364.6 | 368.1 | 370.7 | 371.0 | 370.9 |
| 165° | 341.7 | 346.2 | 350.0 | 353.2 | 355.7 | 357.0 | 357.0 | 357.0 |
| 167.5° | 334.3 | 337.2 | 340.1 | 342.4 | 343.7 | 344.9 | 344.4 | 344.2 |
| 170° | 330.2 | 332.2 | 334.0 | 335.3 | 336.6 | 337.2 | 337.2 | 336.6 |
| 172.5° | 325.6 | 327.5 | 329.0 | 329.7 | 330.0 | 331.1 | 330.1 | 329.5 |
| 175° | 320.7 | 320.7 | 322.0 | 322.0 | 322.0 | 322.5 | 321.3 | 320.7 |
| 177.5° | 317.2 | 317.7 | 317.7 | 317.7 | 317.2 | 317.7 | 316.2 | 316.2 |
| 180° | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 |

(END OF REPORT)