

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: P333256-930

Luminaire Tested: **S125DIP-S1090D365U930-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333256-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D365U930-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

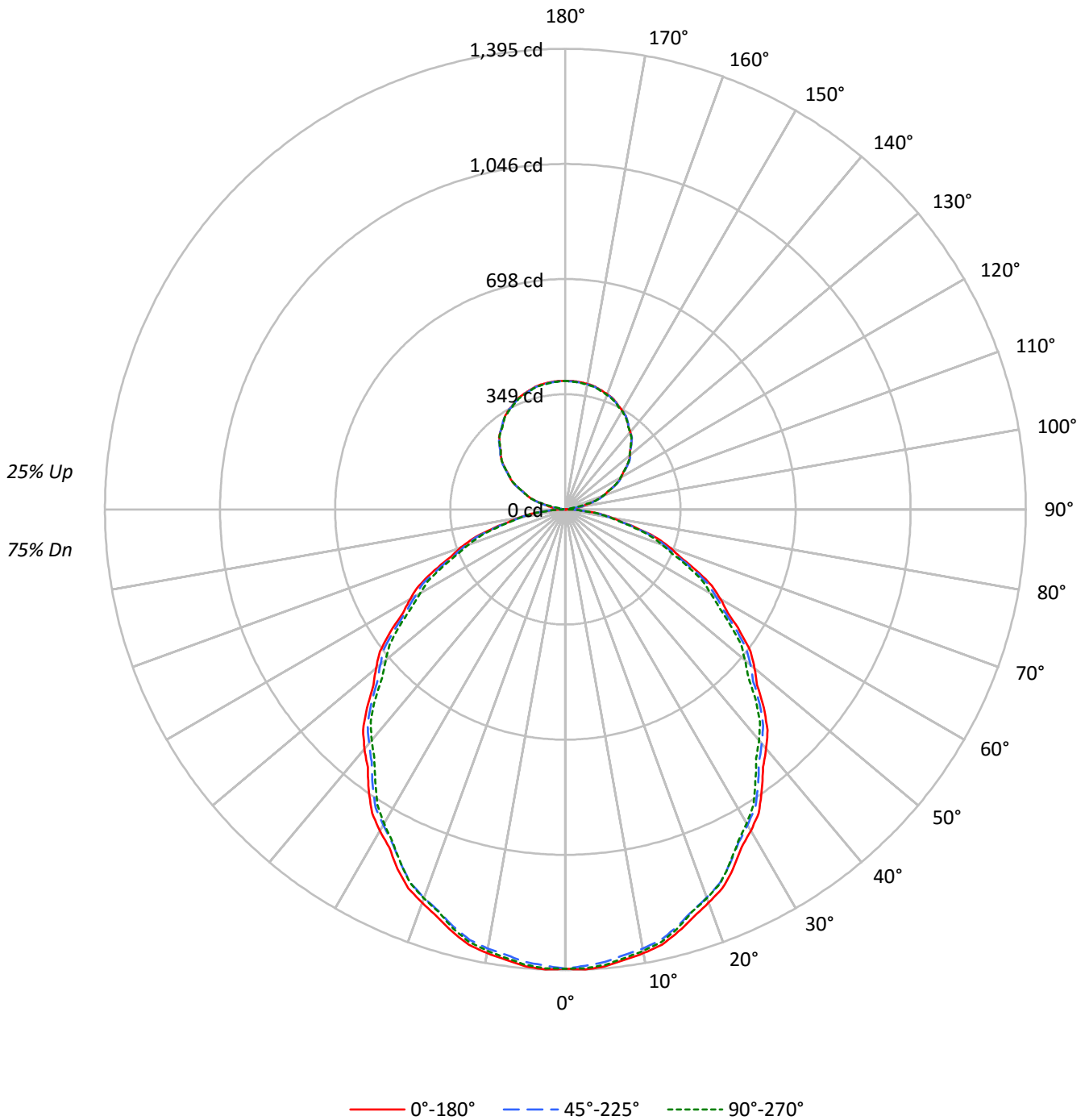
Lumens per Lamp: N/A
Luminaire Lumens: 4814.8 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 43.5
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: P333256-930
CATALOG NUMBER: S125DIP-S1090D365U930-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333256-930

CATALOG NUMBER: S125DIP-S1090D365U930-4F0-1E-UDD-F

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 | 108 | 108 | 108 | 108 | 97 | 97 | 97 | 88 | 88 | 88 | 79 | 79 | 79 | 75 |
| 1 | 103 | 99 | 95 | 91 | 98 | 94 | 91 | 87 | 85 | 83 | 80 | 77 | 75 | 73 | 70 | 68 | 67 | 63 |
| 2 | 94 | 86 | 80 | 74 | 89 | 82 | 77 | 72 | 75 | 70 | 66 | 68 | 64 | 61 | 62 | 59 | 56 | 53 |
| 3 | 86 | 76 | 68 | 62 | 81 | 72 | 65 | 60 | 66 | 60 | 56 | 60 | 56 | 52 | 55 | 51 | 48 | 45 |
| 4 | 79 | 67 | 59 | 53 | 74 | 64 | 57 | 51 | 59 | 52 | 48 | 54 | 48 | 44 | 49 | 45 | 41 | 38 |
| 5 | 72 | 60 | 52 | 45 | 68 | 58 | 50 | 44 | 53 | 46 | 41 | 48 | 43 | 39 | 44 | 39 | 36 | 33 |
| 6 | 67 | 54 | 46 | 39 | 63 | 52 | 44 | 38 | 48 | 41 | 36 | 44 | 38 | 34 | 40 | 35 | 32 | 29 |
| 7 | 62 | 49 | 41 | 35 | 59 | 47 | 39 | 34 | 43 | 37 | 32 | 40 | 34 | 30 | 36 | 32 | 28 | 26 |
| 8 | 57 | 45 | 36 | 31 | 55 | 43 | 35 | 30 | 40 | 33 | 28 | 36 | 31 | 27 | 33 | 29 | 25 | 23 |
| 9 | 54 | 41 | 33 | 28 | 51 | 39 | 32 | 27 | 36 | 30 | 26 | 34 | 28 | 24 | 31 | 26 | 23 | 21 |
| 10 | 50 | 38 | 30 | 25 | 48 | 36 | 29 | 24 | 34 | 27 | 23 | 31 | 26 | 22 | 29 | 24 | 21 | 19 |

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: P333256-930

CATALOG NUMBER: S125DIP-S1090D365U930-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 131.2 | 2.7 |
| 10°-20° | 370.5 | 7.7 |
| 20°-30° | 547.1 | 11.4 |
| 30°-40° | 638.4 | 13.3 |
| 40°-50° | 641.2 | 13.3 |
| 50°-60° | 562.8 | 11.7 |
| 60°-70° | 419.4 | 8.7 |
| 70°-80° | 239.8 | 5.0 |
| 80°-90° | 70.6 | 1.5 |
| 90°-100° | 14.1 | 0.3 |
| 100°-110° | 87.1 | 1.8 |
| 110°-120° | 157.9 | 3.3 |
| 120°-130° | 202.7 | 4.2 |
| 130°-140° | 218.0 | 4.5 |
| 140°-150° | 204.6 | 4.2 |
| 150°-160° | 165.5 | 3.4 |
| 160°-170° | 107.0 | 2.2 |
| 170°-180° | 36.9 | 0.8 |
| 0°-30° | 1048.8 | 21.8 |
| 0°-40° | 1687.2 | 35.0 |
| 0°-60° | 2891.2 | 60.0 |
| 0°-90° | 3620.9 | 75.2 |
| 90°-120° | 259.1 | 5.4 |
| 90°-150° | 884.4 | 18.4 |
| 90°-180° | 1194.0 | 24.8 |
| 0°-180° | 4814.8 | 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° | 0 | 3 | 5 | 6 | 7 | 4 |
| 95° | 16 | 15 | 5 | 6 | 6 | 21 |
| 105° | 85 | 86 | 86 | 86 | 86 | 90 |
| 115° | 159 | 160 | 161 | 160 | 158 | 158 |
| 125° | 226 | 228 | 228 | 227 | 226 | 202 |
| 135° | 282 | 284 | 283 | 283 | 281 | 217 |
| 145° | 327 | 328 | 328 | 328 | 326 | 204 |
| 155° | 360 | 359 | 359 | 360 | 358 | 166 |
| 165° | 380 | 379 | 379 | 380 | 378 | 107 |
| 175° | 389 | 387 | 387 | 389 | 387 | 37 |
| 180° | 389 | 389 | 389 | 389 | 389 | |



TEST NUMBER: P333256-930

CATALOG NUMBER: S125DIP-S1090D365U930-4F0-1E-UDD-F

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° | 23.8 | 24.0 | 24.1 | 24.1 | 24.2 | 24.2 | 24.1 | 24.1 | 23.9 | 23.8 | 23.9 |
| 90° | 0.3 | 0.8 | 1.3 | 1.8 | 2.4 | 2.9 | 3.3 | 3.8 | 4.2 | 4.6 | 4.9 |
| 92.5° | 4.4 | 4.1 | 3.8 | 3.3 | 3.0 | 3.0 | 3.4 | 3.8 | 4.2 | 4.6 | 4.9 |
| 95° | 16.4 | 16.2 | 16.1 | 15.8 | 15.7 | 14.3 | 11.9 | 9.5 | 7.0 | 4.6 | 4.9 |
| 97.5° | 34.3 | 34.7 | 35.0 | 35.3 | 35.7 | 33.4 | 28.6 | 23.8 | 19.0 | 14.2 | 12.4 |
| 100° | 48.1 | 48.3 | 48.5 | 48.7 | 48.9 | 49.1 | 49.4 | 49.7 | 49.9 | 50.1 | 40.6 |
| 102.5° | 62.2 | 62.5 | 62.7 | 62.9 | 63.2 | 63.3 | 63.5 | 63.7 | 63.8 | 64.0 | 62.2 |
| 105° | 84.7 | 85.0 | 85.3 | 85.5 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| 107.5° | 108.1 | 108.1 | 108.1 | 108.1 | 108.1 | 108.2 | 108.4 | 108.4 | 108.6 | 108.7 | 108.7 |
| 110° | 123.4 | 123.4 | 123.4 | 123.4 | 123.4 | 123.4 | 123.5 | 123.7 | 123.8 | 123.9 | 123.8 |



TEST NUMBER: P333256-930

CATALOG NUMBER: S125DIP-S1090D365U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 137.6 | 137.8 | 137.9 | 138.1 | 138.3 | 138.4 | 138.4 | 138.5 | 138.6 | 138.7 | 138.4 |
| 115° | 159.1 | 159.4 | 159.7 | 160.0 | 160.4 | 160.5 | 160.6 | 160.7 | 160.8 | 160.8 | 160.5 |
| 117.5° | 181.2 | 181.2 | 181.2 | 181.2 | 181.2 | 181.3 | 181.6 | 181.8 | 182.1 | 182.3 | 182.0 |
| 120° | 195.1 | 195.0 | 195.0 | 194.9 | 194.9 | 194.9 | 195.1 | 195.3 | 195.5 | 195.7 | 195.6 |
| 122.5° | 207.3 | 207.6 | 207.8 | 208.1 | 208.3 | 208.5 | 208.6 | 208.6 | 208.7 | 208.8 | 208.7 |
| 125° | 226.2 | 226.7 | 227.1 | 227.6 | 228.0 | 228.3 | 228.3 | 228.3 | 228.3 | 228.3 | 228.0 |
| 127.5° | 244.3 | 244.6 | 244.9 | 245.2 | 245.6 | 245.7 | 245.6 | 245.6 | 245.6 | 245.6 | 245.4 |
| 130° | 255.4 | 255.7 | 256.0 | 256.3 | 256.7 | 256.8 | 256.9 | 256.9 | 257.0 | 257.1 | 256.9 |
| 132.5° | 266.4 | 266.8 | 267.2 | 267.5 | 267.9 | 268.0 | 267.9 | 267.7 | 267.6 | 267.4 | 267.4 |
| 135° | 282.2 | 282.5 | 282.9 | 283.3 | 283.6 | 283.8 | 283.6 | 283.6 | 283.4 | 283.3 | 283.2 |
| 137.5° | 296.6 | 296.9 | 297.3 | 297.6 | 297.9 | 298.1 | 297.9 | 297.8 | 297.7 | 297.6 | 297.6 |
| 140° | 306.1 | 306.2 | 306.3 | 306.5 | 306.6 | 306.6 | 306.6 | 306.5 | 306.4 | 306.4 | 306.5 |
| 142.5° | 314.6 | 314.7 | 314.8 | 314.8 | 314.9 | 315.0 | 315.1 | 315.2 | 315.3 | 315.4 | 315.4 |
| 145° | 327.1 | 327.3 | 327.3 | 327.5 | 327.6 | 327.7 | 327.7 | 327.7 | 327.7 | 327.7 | 327.8 |
| 147.5° | 338.0 | 338.0 | 338.0 | 337.9 | 337.9 | 337.9 | 338.0 | 338.1 | 338.2 | 338.3 | 338.3 |
| 150° | 345.0 | 344.9 | 344.7 | 344.5 | 344.5 | 344.5 | 344.5 | 344.7 | 344.9 | 345.0 | 345.1 |
| 152.5° | 351.6 | 351.4 | 351.1 | 350.8 | 350.5 | 350.4 | 350.6 | 350.7 | 350.8 | 351.0 | 351.1 |
| 155° | 360.3 | 359.9 | 359.5 | 359.1 | 358.7 | 358.6 | 358.7 | 358.8 | 359.0 | 359.1 | 359.3 |
| 157.5° | 366.9 | 366.6 | 366.4 | 366.2 | 366.0 | 365.8 | 365.8 | 365.9 | 365.9 | 365.9 | 366.1 |
| 160° | 371.5 | 371.1 | 370.7 | 370.3 | 370.0 | 369.8 | 369.8 | 369.9 | 370.0 | 370.1 | 370.3 |
| 162.5° | 375.2 | 374.8 | 374.4 | 374.0 | 373.7 | 373.5 | 373.6 | 373.6 | 373.7 | 373.7 | 374.1 |
| 165° | 380.1 | 379.8 | 379.4 | 379.0 | 378.6 | 378.5 | 378.5 | 378.5 | 378.6 | 378.7 | 379.0 |
| 167.5° | 383.8 | 383.4 | 383.0 | 382.6 | 382.2 | 382.0 | 382.1 | 382.2 | 382.3 | 382.3 | 382.8 |
| 170° | 385.9 | 385.5 | 385.0 | 384.6 | 384.1 | 383.9 | 384.0 | 384.0 | 384.1 | 384.2 | 384.7 |
| 172.5° | 387.3 | 386.9 | 386.4 | 386.0 | 385.5 | 385.3 | 385.4 | 385.6 | 385.6 | 385.8 | 386.2 |
| 175° | 388.7 | 388.4 | 388.0 | 387.6 | 387.3 | 387.1 | 387.1 | 387.2 | 387.3 | 387.3 | 387.8 |
| 177.5° | 389.5 | 389.1 | 388.8 | 388.6 | 388.2 | 388.1 | 388.2 | 388.2 | 388.2 | 388.3 | 388.7 |
| 180° | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 |



TEST NUMBER: P333256-930

CATALOG NUMBER: S125DIP-S1090D365U930-4F0-1E-UDD-F

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° | 24.0 | 24.0 | 24.1 | 23.9 | 23.6 | 23.2 | 22.8 | 22.5 |
| 90° | 5.2 | 5.5 | 5.9 | 6.1 | 6.4 | 6.5 | 6.7 | 6.9 |
| 92.5° | 5.2 | 5.5 | 5.9 | 6.1 | 6.2 | 6.3 | 6.4 | 6.4 |
| 95° | 5.2 | 5.5 | 5.9 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 97.5° | 10.6 | 8.7 | 6.9 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 100° | 31.1 | 21.5 | 12.0 | 7.1 | 6.8 | 6.6 | 6.3 | 6.0 |
| 102.5° | 60.3 | 58.5 | 56.7 | 53.6 | 49.3 | 45.0 | 40.6 | 36.3 |
| 105° | 85.9 | 85.9 | 85.9 | 85.9 | 85.8 | 85.7 | 85.7 | 85.6 |
| 107.5° | 108.8 | 108.8 | 108.8 | 108.7 | 108.5 | 108.3 | 108.1 | 107.9 |
| 110° | 123.5 | 123.4 | 123.2 | 123.1 | 123.2 | 123.2 | 123.3 | 123.4 |



TEST NUMBER: P333256-930

CATALOG NUMBER: S125DIP-S1090D365U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 138.2 | 137.9 | 137.7 | 137.5 | 137.5 | 137.4 | 137.3 | 137.2 |
| 115° | 160.3 | 160.0 | 159.8 | 159.5 | 159.1 | 158.7 | 158.3 | 157.9 |
| 117.5° | 181.6 | 181.3 | 181.0 | 180.8 | 180.6 | 180.4 | 180.3 | 180.1 |
| 120° | 195.4 | 195.3 | 195.2 | 194.9 | 194.6 | 194.3 | 194.0 | 193.6 |
| 122.5° | 208.6 | 208.5 | 208.3 | 208.1 | 207.7 | 207.3 | 206.9 | 206.6 |
| 125° | 227.7 | 227.5 | 227.2 | 227.0 | 226.8 | 226.7 | 226.4 | 226.2 |
| 127.5° | 245.2 | 245.1 | 245.0 | 244.7 | 244.2 | 243.7 | 243.3 | 242.8 |
| 130° | 256.7 | 256.5 | 256.3 | 256.0 | 255.8 | 255.4 | 255.1 | 254.8 |
| 132.5° | 267.3 | 267.3 | 267.3 | 267.1 | 266.8 | 266.4 | 266.1 | 265.9 |
| 135° | 283.1 | 282.9 | 282.7 | 282.5 | 282.2 | 281.8 | 281.4 | 281.0 |
| 137.5° | 297.7 | 297.7 | 297.7 | 297.5 | 297.2 | 296.9 | 296.5 | 296.2 |
| 140° | 306.6 | 306.7 | 306.9 | 306.7 | 306.4 | 306.0 | 305.6 | 305.2 |
| 142.5° | 315.4 | 315.4 | 315.4 | 315.3 | 314.9 | 314.5 | 314.1 | 313.7 |
| 145° | 327.8 | 327.8 | 327.9 | 327.8 | 327.4 | 327.0 | 326.6 | 326.2 |
| 147.5° | 338.4 | 338.5 | 338.6 | 338.4 | 337.9 | 337.5 | 337.0 | 336.6 |
| 150° | 345.2 | 345.4 | 345.4 | 345.3 | 344.8 | 344.3 | 343.7 | 343.2 |
| 152.5° | 351.2 | 351.3 | 351.5 | 351.3 | 350.8 | 350.4 | 349.9 | 349.4 |
| 155° | 359.5 | 359.6 | 359.9 | 359.7 | 359.2 | 358.7 | 358.2 | 357.7 |
| 157.5° | 366.3 | 366.5 | 366.7 | 366.6 | 366.1 | 365.5 | 365.0 | 364.5 |
| 160° | 370.6 | 370.8 | 371.0 | 371.0 | 370.4 | 369.9 | 369.4 | 368.9 |
| 162.5° | 374.5 | 374.8 | 375.2 | 375.0 | 374.5 | 373.9 | 373.4 | 372.8 |
| 165° | 379.4 | 379.8 | 380.3 | 380.2 | 379.7 | 379.1 | 378.6 | 378.1 |
| 167.5° | 383.3 | 383.7 | 384.2 | 384.1 | 383.5 | 382.9 | 382.4 | 381.8 |
| 170° | 385.1 | 385.7 | 386.2 | 386.2 | 385.6 | 385.1 | 384.4 | 383.8 |
| 172.5° | 386.7 | 387.2 | 387.6 | 387.6 | 387.0 | 386.4 | 385.8 | 385.2 |
| 175° | 388.3 | 388.9 | 389.4 | 389.4 | 388.7 | 388.2 | 387.6 | 387.0 |
| 177.5° | 389.1 | 389.4 | 389.7 | 389.7 | 389.3 | 388.9 | 388.5 | 388.1 |
| 180° | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 |

(END OF REPORT)