

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: P333583-930

Luminaire Tested: **S125RDIP-S1090D365U930-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333583-930
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: S125RDIP-S1090D365U930-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4637.3 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Direct

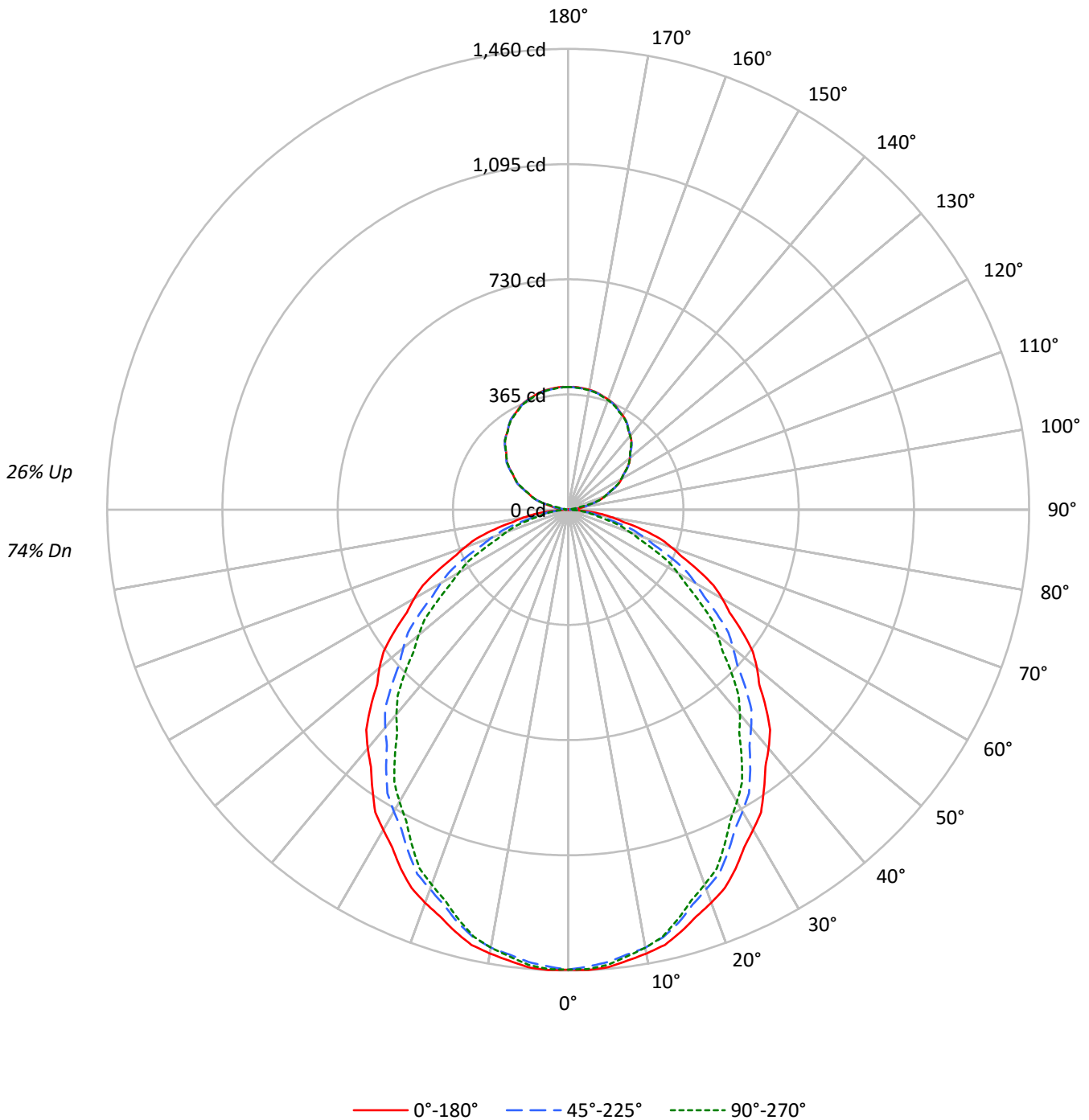
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333583-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333583-930

CATALOG NUMBER: S125RDIP-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 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 87 | 87 | 87 | 78 | 78 | 78 | 74 |
| 1 | 104 | 99 | 95 | 92 | 98 | 94 | 91 | 88 | 86 | 83 | 80 | 77 | 75 | 74 | 70 | 68 | 67 | 63 |
| 2 | 95 | 87 | 81 | 76 | 90 | 83 | 77 | 73 | 75 | 71 | 67 | 68 | 65 | 62 | 62 | 59 | 57 | 53 |
| 3 | 87 | 77 | 69 | 63 | 82 | 73 | 67 | 61 | 67 | 61 | 57 | 61 | 56 | 53 | 55 | 52 | 49 | 46 |
| 4 | 79 | 68 | 60 | 54 | 75 | 65 | 58 | 52 | 60 | 54 | 49 | 54 | 49 | 45 | 49 | 46 | 42 | 39 |
| 5 | 73 | 61 | 53 | 47 | 69 | 59 | 51 | 45 | 54 | 47 | 42 | 49 | 44 | 40 | 45 | 40 | 37 | 34 |
| 6 | 68 | 55 | 47 | 41 | 64 | 53 | 45 | 40 | 48 | 42 | 37 | 44 | 39 | 35 | 41 | 36 | 33 | 30 |
| 7 | 63 | 50 | 42 | 36 | 59 | 48 | 40 | 35 | 44 | 38 | 33 | 41 | 35 | 31 | 37 | 33 | 29 | 27 |
| 8 | 58 | 46 | 38 | 32 | 55 | 44 | 36 | 31 | 40 | 34 | 30 | 37 | 32 | 28 | 34 | 30 | 26 | 24 |
| 9 | 54 | 42 | 34 | 29 | 52 | 40 | 33 | 28 | 37 | 31 | 27 | 34 | 29 | 25 | 32 | 27 | 24 | 22 |
| 10 | 51 | 39 | 31 | 26 | 48 | 37 | 30 | 26 | 34 | 28 | 24 | 32 | 27 | 23 | 29 | 25 | 22 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9412 | 9412 | 9412 |
| 5° | 9433 | 9326 | 9383 |
| 10° | 9362 | 9239 | 9239 |
| 15° | 9250 | 9052 | 8978 |
| 20° | 9108 | 8790 | 8685 |
| 25° | 8941 | 8533 | 8345 |
| 30° | 8733 | 8232 | 7970 |
| 35° | 8521 | 7923 | 7550 |
| 40° | 8323 | 7599 | 7136 |
| 45° | 8082 | 7238 | 6685 |
| 50° | 7840 | 6845 | 6215 |
| 55° | 7560 | 6469 | 5713 |
| 60° | 7279 | 6013 | 5174 |
| 65° | 6946 | 5483 | 4557 |
| 70° | 6567 | 4823 | 3928 |
| 75° | 6041 | 4065 | 3266 |
| 80° | 5322 | 3195 | 2741 |
| 85° | 4483 | 2608 | 2445 |



TEST NUMBER: P333583-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 137.0 | 3.0 |
| 10°-20° | 382.9 | 8.3 |
| 20°-30° | 555.3 | 12.0 |
| 30°-40° | 632.9 | 13.6 |
| 40°-50° | 616.9 | 13.3 |
| 50°-60° | 519.3 | 11.2 |
| 60°-70° | 364.0 | 7.8 |
| 70°-80° | 187.1 | 4.0 |
| 80°-90° | 48.1 | 1.0 |
| 90°-100° | 14.1 | 0.3 |
| 100°-110° | 87.1 | 1.9 |
| 110°-120° | 157.9 | 3.4 |
| 120°-130° | 202.7 | 4.4 |
| 130°-140° | 218.0 | 4.7 |
| 140°-150° | 204.6 | 4.4 |
| 150°-160° | 165.5 | 3.6 |
| 160°-170° | 107.0 | 2.3 |
| 170°-180° | 36.9 | 0.8 |
| 0°-30° | 1075.3 | 23.2 |
| 0°-40° | 1708.1 | 36.8 |
| 0°-60° | 2844.3 | 61.3 |
| 0°-90° | 3443.4 | 74.3 |
| 90°-120° | 259.1 | 5.6 |
| 90°-150° | 884.4 | 19.1 |
| 90°-180° | 1194.0 | 25.7 |
| 0°-180° | 4637.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1457 | 1457 | 1457 | 1457 | 1457 | |
| 5° | 1455 | 1450 | 1438 | 1449 | 1447 | 138 |
| 15° | 1384 | 1376 | 1354 | 1352 | 1343 | 390 |
| 25° | 1255 | 1237 | 1198 | 1183 | 1171 | 577 |
| 35° | 1081 | 1053 | 1005 | 974 | 958 | 676 |
| 45° | 885 | 851 | 792 | 750 | 732 | 682 |
| 55° | 671 | 635 | 574 | 527 | 507 | 600 |
| 65° | 454 | 416 | 359 | 316 | 298 | 450 |
| 75° | 242 | 208 | 163 | 140 | 131 | 256 |
| 85° | 60 | 42 | 35 | 34 | 33 | 68 |
| 90° | 0 | 3 | 5 | 6 | 7 | 3 |
| 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: P333583-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 |
| 2.5° | 1459.9 | 1459.3 | 1458.7 | 1458.1 | 1457.5 | 1456.3 | 1454.3 | 1452.4 | 1450.4 | 1448.5 | 1450.4 |
| 5° | 1455.1 | 1454.1 | 1453.1 | 1452.1 | 1451.2 | 1449.3 | 1446.6 | 1443.9 | 1441.2 | 1438.5 | 1441.0 |
| 7.5° | 1440.7 | 1439.8 | 1438.8 | 1437.9 | 1437.0 | 1434.9 | 1431.7 | 1428.5 | 1425.2 | 1422.0 | 1423.8 |
| 10° | 1427.5 | 1426.8 | 1426.0 | 1425.3 | 1424.6 | 1422.5 | 1419.1 | 1415.7 | 1412.3 | 1408.8 | 1409.6 |
| 12.5° | 1412.5 | 1411.6 | 1410.7 | 1409.7 | 1408.8 | 1406.1 | 1401.5 | 1396.9 | 1392.3 | 1387.6 | 1388.2 |
| 15° | 1383.5 | 1382.0 | 1380.5 | 1379.1 | 1377.6 | 1374.4 | 1369.2 | 1364.1 | 1358.9 | 1353.8 | 1353.6 |
| 17.5° | 1350.7 | 1348.4 | 1346.2 | 1343.9 | 1341.7 | 1337.3 | 1330.9 | 1324.5 | 1317.9 | 1311.5 | 1310.3 |
| 20° | 1325.2 | 1322.7 | 1320.3 | 1317.8 | 1315.4 | 1310.3 | 1302.4 | 1294.6 | 1286.8 | 1279.0 | 1277.7 |
| 22.5° | 1297.0 | 1294.5 | 1292.1 | 1289.6 | 1287.2 | 1281.9 | 1273.7 | 1265.4 | 1257.2 | 1249.0 | 1246.6 |
| 25° | 1254.7 | 1251.1 | 1247.4 | 1243.7 | 1240.1 | 1233.7 | 1224.7 | 1215.6 | 1206.6 | 1197.5 | 1194.3 |
| 27.5° | 1206.3 | 1201.8 | 1197.3 | 1192.9 | 1188.5 | 1181.5 | 1171.7 | 1162.0 | 1152.3 | 1142.6 | 1138.2 |
| 30° | 1171.1 | 1166.4 | 1161.8 | 1157.2 | 1152.5 | 1145.0 | 1134.7 | 1124.5 | 1114.2 | 1103.9 | 1098.3 |
| 32.5° | 1136.7 | 1131.3 | 1125.8 | 1120.5 | 1115.0 | 1107.1 | 1096.6 | 1086.1 | 1075.6 | 1065.2 | 1059.0 |
| 35° | 1080.8 | 1075.0 | 1069.1 | 1063.2 | 1057.4 | 1048.9 | 1037.9 | 1026.9 | 1015.9 | 1004.9 | 997.8 |
| 37.5° | 1026.0 | 1018.9 | 1011.7 | 1004.6 | 997.4 | 988.2 | 976.8 | 965.5 | 954.1 | 942.8 | 934.3 |
| 40° | 987.2 | 979.9 | 972.6 | 965.2 | 957.9 | 948.4 | 936.6 | 924.9 | 913.1 | 901.4 | 892.1 |
| 42.5° | 946.7 | 939.2 | 931.7 | 924.1 | 916.6 | 906.8 | 894.6 | 882.6 | 870.4 | 858.3 | 849.4 |
| 45° | 884.9 | 877.8 | 870.7 | 863.6 | 856.6 | 846.3 | 832.8 | 819.4 | 805.9 | 792.5 | 782.7 |
| 47.5° | 820.8 | 813.3 | 805.8 | 798.4 | 790.9 | 780.4 | 766.9 | 753.3 | 739.7 | 726.2 | 716.1 |
| 50° | 780.3 | 772.3 | 764.2 | 756.1 | 748.0 | 737.0 | 723.1 | 709.1 | 695.2 | 681.3 | 671.0 |
| 52.5° | 736.3 | 728.1 | 719.7 | 711.5 | 703.3 | 692.5 | 679.4 | 666.2 | 653.1 | 639.9 | 628.8 |
| 55° | 671.4 | 663.6 | 655.7 | 647.9 | 640.1 | 629.3 | 615.6 | 601.9 | 588.2 | 574.5 | 563.5 |
| 57.5° | 605.8 | 597.5 | 589.1 | 580.7 | 572.3 | 561.6 | 548.4 | 535.2 | 522.0 | 508.7 | 498.0 |
| 60° | 563.5 | 555.0 | 546.4 | 537.9 | 529.3 | 518.4 | 505.2 | 492.0 | 478.7 | 465.5 | 454.8 |
| 62.5° | 518.6 | 510.5 | 502.3 | 494.1 | 485.9 | 475.2 | 461.8 | 448.3 | 435.0 | 421.5 | 411.6 |
| 65° | 454.5 | 446.2 | 437.9 | 429.6 | 421.3 | 410.7 | 397.7 | 384.7 | 371.8 | 358.8 | 349.0 |
| 67.5° | 390.9 | 382.6 | 374.3 | 366.0 | 357.7 | 347.3 | 334.8 | 322.5 | 310.1 | 297.6 | 288.7 |
| 70° | 347.8 | 339.5 | 331.2 | 322.9 | 314.5 | 304.3 | 292.0 | 279.8 | 267.6 | 255.4 | 247.8 |
| 72.5° | 305.6 | 297.4 | 289.3 | 281.2 | 273.0 | 263.3 | 251.8 | 240.4 | 228.9 | 217.5 | 210.5 |
| 75° | 242.1 | 234.8 | 227.5 | 220.1 | 212.8 | 204.0 | 193.7 | 183.4 | 173.2 | 162.9 | 157.5 |
| 77.5° | 179.2 | 173.3 | 167.5 | 161.6 | 155.7 | 148.6 | 140.5 | 132.2 | 124.0 | 115.8 | 112.0 |
| 80° | 143.1 | 137.2 | 131.3 | 125.5 | 119.6 | 113.2 | 106.4 | 99.5 | 92.7 | 85.9 | 83.6 |
| 82.5° | 107.9 | 102.6 | 97.3 | 92.0 | 86.7 | 81.8 | 77.0 | 72.3 | 67.7 | 62.9 | 62.0 |
| 85° | 60.5 | 56.1 | 51.7 | 47.3 | 42.9 | 40.1 | 38.9 | 37.7 | 36.4 | 35.2 | 35.0 |
| 87.5° | 20.3 | 19.1 | 17.8 | 16.5 | 15.2 | 14.6 | 14.4 | 14.3 | 14.3 | 14.1 | 14.2 |
| 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: P333583-930

CATALOG NUMBER: S125RDIP-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: P333583-930

CATALOG NUMBER: S125RDIP-S1090D365U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 |
| 2.5° | 1452.4 | 1454.3 | 1456.3 | 1457.1 | 1456.9 | 1456.8 | 1456.5 | 1456.4 |
| 5° | 1443.4 | 1445.9 | 1448.3 | 1449.3 | 1448.8 | 1448.3 | 1447.8 | 1447.3 |
| 7.5° | 1425.5 | 1427.2 | 1428.9 | 1429.5 | 1428.9 | 1428.4 | 1427.8 | 1427.3 |
| 10° | 1410.3 | 1411.0 | 1411.8 | 1411.8 | 1411.0 | 1410.3 | 1409.6 | 1408.8 |
| 12.5° | 1388.8 | 1389.3 | 1389.8 | 1389.5 | 1388.4 | 1387.3 | 1386.2 | 1385.0 |
| 15° | 1353.3 | 1353.1 | 1352.8 | 1351.6 | 1349.4 | 1347.2 | 1345.0 | 1342.8 |
| 17.5° | 1309.0 | 1307.8 | 1306.6 | 1305.1 | 1303.3 | 1301.5 | 1299.7 | 1297.9 |
| 20° | 1276.5 | 1275.3 | 1274.1 | 1272.4 | 1270.2 | 1268.0 | 1265.8 | 1263.6 |
| 22.5° | 1244.2 | 1241.8 | 1239.4 | 1237.3 | 1235.5 | 1233.7 | 1231.8 | 1230.0 |
| 25° | 1191.2 | 1188.0 | 1184.8 | 1181.9 | 1179.2 | 1176.5 | 1173.8 | 1171.1 |
| 27.5° | 1133.8 | 1129.4 | 1124.9 | 1121.4 | 1118.8 | 1116.1 | 1113.5 | 1111.0 |
| 30° | 1092.7 | 1087.0 | 1081.4 | 1077.5 | 1075.3 | 1073.1 | 1070.9 | 1068.7 |
| 32.5° | 1052.8 | 1046.5 | 1040.3 | 1035.8 | 1033.1 | 1030.3 | 1027.4 | 1024.7 |
| 35° | 990.7 | 983.6 | 976.5 | 971.3 | 967.8 | 964.4 | 961.0 | 957.6 |
| 37.5° | 925.8 | 917.3 | 908.7 | 902.9 | 899.5 | 896.2 | 892.8 | 889.5 |
| 40° | 882.8 | 873.5 | 864.2 | 858.1 | 855.2 | 852.2 | 849.3 | 846.4 |
| 42.5° | 840.5 | 831.5 | 822.6 | 816.0 | 811.7 | 807.5 | 803.2 | 798.8 |
| 45° | 772.9 | 763.1 | 753.3 | 746.6 | 742.9 | 739.2 | 735.6 | 731.9 |
| 47.5° | 706.0 | 695.9 | 685.9 | 678.8 | 674.7 | 670.7 | 666.7 | 662.6 |
| 50° | 660.7 | 650.4 | 640.2 | 633.2 | 629.6 | 625.9 | 622.2 | 618.6 |
| 52.5° | 617.8 | 606.7 | 595.7 | 588.3 | 584.7 | 581.0 | 577.3 | 573.6 |
| 55° | 552.5 | 541.5 | 530.5 | 523.0 | 519.1 | 515.2 | 511.3 | 507.4 |
| 57.5° | 487.2 | 476.5 | 465.7 | 458.5 | 455.1 | 451.6 | 448.1 | 444.7 |
| 60° | 444.0 | 433.3 | 422.5 | 415.3 | 411.6 | 408.0 | 404.3 | 400.6 |
| 62.5° | 401.6 | 391.6 | 381.6 | 374.8 | 371.1 | 367.5 | 363.8 | 360.1 |
| 65° | 339.2 | 329.5 | 319.7 | 312.9 | 309.2 | 305.6 | 301.9 | 298.2 |
| 67.5° | 279.7 | 270.8 | 261.8 | 255.8 | 252.9 | 250.0 | 247.0 | 244.1 |
| 70° | 240.2 | 232.6 | 225.0 | 219.7 | 216.8 | 213.9 | 210.9 | 208.0 |
| 72.5° | 203.5 | 196.5 | 189.5 | 185.0 | 183.0 | 181.1 | 179.1 | 177.2 |
| 75° | 152.1 | 146.8 | 141.4 | 137.8 | 136.1 | 134.4 | 132.6 | 130.9 |
| 77.5° | 108.3 | 104.5 | 100.7 | 98.2 | 96.9 | 95.6 | 94.4 | 93.1 |
| 80° | 81.4 | 79.2 | 77.0 | 75.7 | 75.2 | 74.7 | 74.2 | 73.7 |
| 82.5° | 60.9 | 59.8 | 58.9 | 58.2 | 57.9 | 57.6 | 57.3 | 57.0 |
| 85° | 34.7 | 34.5 | 34.2 | 34.0 | 33.8 | 33.5 | 33.3 | 33.0 |
| 87.5° | 14.3 | 14.3 | 14.3 | 14.3 | 14.2 | 14.0 | 13.9 | 13.7 |
| 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: P333583-930

CATALOG NUMBER: S125RDIP-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)