

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: P333585-927

Luminaire Tested: **S125RDIP-S1090D365U927-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333585-927
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: S125RDIP-S1090D365U927-4F0-1E-UDD-F4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4387.1 lumens
Efficiency: N/A
Efficacy: 100.9 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

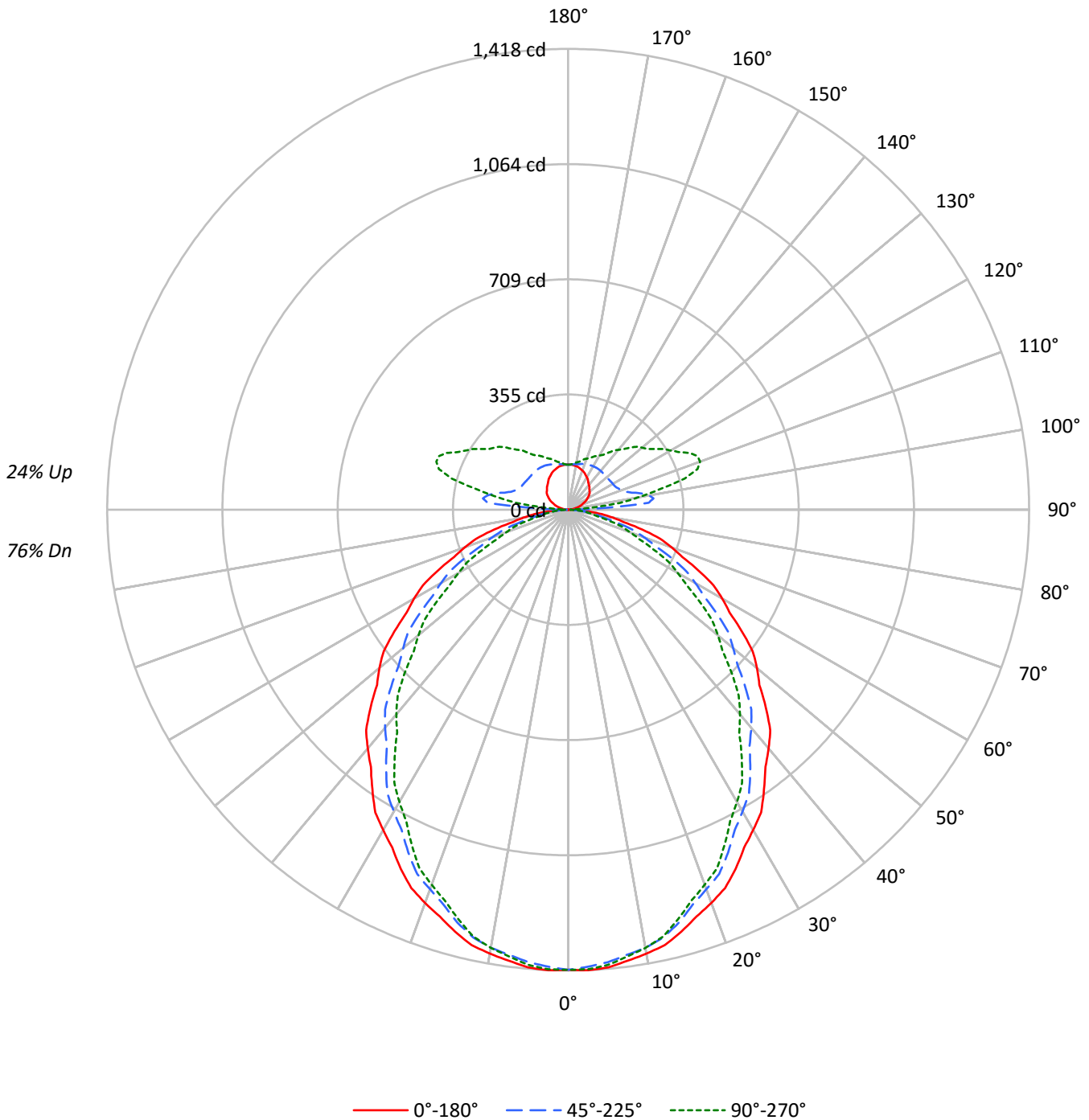
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333585-927

CATALOG NUMBER: S125RDIP-S1090D365U927-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P333585-927

CATALOG NUMBER: S125RDIP-S1090D365U927-4F0-1E-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 | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 98 | 98 | 98 | 89 | 89 | 89 | 80 | 80 | 80 | 76 |
| 1 | 104 | 100 | 96 | 92 | 99 | 95 | 92 | 88 | 87 | 84 | 81 | 79 | 77 | 75 | 72 | 70 | 69 | 65 |
| 2 | 95 | 87 | 81 | 76 | 90 | 84 | 78 | 73 | 76 | 72 | 68 | 70 | 66 | 63 | 63 | 61 | 58 | 55 |
| 3 | 87 | 77 | 70 | 64 | 83 | 74 | 67 | 62 | 68 | 62 | 58 | 62 | 57 | 54 | 56 | 53 | 50 | 47 |
| 4 | 80 | 69 | 61 | 54 | 76 | 66 | 58 | 53 | 60 | 54 | 49 | 55 | 50 | 46 | 51 | 47 | 43 | 40 |
| 5 | 73 | 61 | 53 | 47 | 70 | 59 | 51 | 46 | 54 | 48 | 43 | 50 | 45 | 40 | 46 | 41 | 38 | 35 |
| 6 | 68 | 55 | 47 | 41 | 64 | 53 | 46 | 40 | 49 | 43 | 38 | 45 | 40 | 36 | 42 | 37 | 34 | 31 |
| 7 | 63 | 50 | 42 | 36 | 60 | 48 | 41 | 35 | 45 | 38 | 34 | 41 | 36 | 32 | 38 | 33 | 30 | 28 |
| 8 | 59 | 46 | 38 | 32 | 56 | 44 | 37 | 32 | 41 | 35 | 30 | 38 | 32 | 28 | 35 | 30 | 27 | 25 |
| 9 | 55 | 42 | 34 | 29 | 52 | 41 | 33 | 28 | 38 | 31 | 27 | 35 | 30 | 26 | 32 | 28 | 24 | 22 |
| 10 | 51 | 39 | 31 | 26 | 49 | 37 | 30 | 26 | 35 | 29 | 25 | 32 | 27 | 23 | 30 | 26 | 22 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9144 | 9144 | 9144 |
| 5° | 9166 | 9061 | 9117 |
| 10° | 9096 | 8977 | 8977 |
| 15° | 8988 | 8795 | 8723 |
| 20° | 8849 | 8541 | 8438 |
| 25° | 8688 | 8292 | 8109 |
| 30° | 8486 | 7999 | 7744 |
| 35° | 8280 | 7698 | 7335 |
| 40° | 8088 | 7384 | 6933 |
| 45° | 7853 | 7033 | 6495 |
| 50° | 7618 | 6650 | 6038 |
| 55° | 7346 | 6286 | 5551 |
| 60° | 7073 | 5842 | 5028 |
| 65° | 6748 | 5327 | 4429 |
| 70° | 6381 | 4685 | 3816 |
| 75° | 5871 | 3950 | 3174 |
| 80° | 5170 | 3102 | 2663 |
| 85° | 4357 | 2534 | 2379 |



TEST NUMBER: P333585-927

CATALOG NUMBER: S125RDIP-S1090D365U927-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.1 | 3.0 |
| 10°-20° | 372.1 | 8.5 |
| 20°-30° | 539.6 | 12.3 |
| 30°-40° | 614.9 | 14.0 |
| 40°-50° | 599.4 | 13.7 |
| 50°-60° | 504.6 | 11.5 |
| 60°-70° | 353.7 | 8.1 |
| 70°-80° | 181.8 | 4.1 |
| 80°-90° | 46.7 | 1.1 |
| 90°-100° | 100.7 | 2.3 |
| 100°-110° | 216.4 | 4.9 |
| 110°-120° | 203.1 | 4.6 |
| 120°-130° | 164.6 | 3.8 |
| 130°-140° | 132.1 | 3.0 |
| 140°-150° | 99.7 | 2.3 |
| 150°-160° | 70.1 | 1.6 |
| 160°-170° | 41.4 | 0.9 |
| 170°-180° | 13.5 | 0.3 |
| 0°-30° | 1044.8 | 23.8 |
| 0°-40° | 1659.7 | 37.8 |
| 0°-60° | 2763.6 | 63.0 |
| 0°-90° | 3345.8 | 76.3 |
| 90°-120° | 520.1 | 11.9 |
| 90°-150° | 916.4 | 20.9 |
| 90°-180° | 1041.0 | 23.7 |
| 0°-180° | 4387.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1416 | 1416 | 1416 | 1416 | 1416 | |
| 5° | 1414 | 1409 | 1398 | 1408 | 1406 | 134 |
| 15° | 1344 | 1337 | 1315 | 1314 | 1305 | 379 |
| 25° | 1219 | 1202 | 1164 | 1150 | 1138 | 561 |
| 35° | 1050 | 1023 | 976 | 946 | 930 | 657 |
| 45° | 860 | 827 | 770 | 729 | 711 | 663 |
| 55° | 652 | 617 | 558 | 512 | 493 | 583 |
| 65° | 442 | 404 | 349 | 307 | 290 | 437 |
| 75° | 235 | 202 | 158 | 136 | 127 | 249 |
| 85° | 59 | 40 | 34 | 33 | 32 | 66 |
| 90° | 0 | 2 | 4 | 6 | 6 | 3 |
| 95° | 9 | 27 | 248 | 113 | 66 | 10 |
| 105° | 32 | 44 | 203 | 400 | 371 | 33 |
| 115° | 57 | 68 | 163 | 351 | 413 | 56 |
| 125° | 78 | 92 | 156 | 279 | 326 | 70 |
| 135° | 92 | 110 | 155 | 234 | 270 | 71 |
| 145° | 107 | 122 | 156 | 194 | 213 | 67 |
| 155° | 122 | 131 | 152 | 171 | 179 | 56 |
| 165° | 133 | 137 | 146 | 154 | 157 | 38 |
| 175° | 139 | 139 | 140 | 141 | 141 | 13 |
| 180° | 139 | 139 | 139 | 139 | 139 | |



TEST NUMBER: P333585-927

CATALOG NUMBER: S125RDIP-S1090D365U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 |
| 2.5° | 1418.5 | 1417.9 | 1417.4 | 1416.7 | 1416.2 | 1415.0 | 1413.1 | 1411.2 | 1409.3 | 1407.4 | 1409.3 |
| 5° | 1413.8 | 1412.9 | 1411.9 | 1411.0 | 1410.0 | 1408.2 | 1405.6 | 1403.0 | 1400.3 | 1397.7 | 1400.1 |
| 7.5° | 1399.9 | 1399.0 | 1398.0 | 1397.2 | 1396.2 | 1394.2 | 1391.1 | 1388.0 | 1384.8 | 1381.7 | 1383.4 |
| 10° | 1387.0 | 1386.3 | 1385.6 | 1384.9 | 1384.2 | 1382.2 | 1378.9 | 1375.5 | 1372.2 | 1368.9 | 1369.6 |
| 12.5° | 1372.5 | 1371.6 | 1370.7 | 1369.8 | 1368.9 | 1366.2 | 1361.8 | 1357.2 | 1352.8 | 1348.3 | 1348.8 |
| 15° | 1344.3 | 1342.8 | 1341.4 | 1340.0 | 1338.6 | 1335.4 | 1330.4 | 1325.4 | 1320.4 | 1315.4 | 1315.2 |
| 17.5° | 1312.4 | 1310.2 | 1308.1 | 1305.8 | 1303.6 | 1299.4 | 1293.2 | 1286.9 | 1280.6 | 1274.3 | 1273.1 |
| 20° | 1287.6 | 1285.2 | 1282.9 | 1280.5 | 1278.1 | 1273.1 | 1265.5 | 1257.9 | 1250.3 | 1242.7 | 1241.5 |
| 22.5° | 1260.2 | 1257.8 | 1255.5 | 1253.1 | 1250.7 | 1245.5 | 1237.5 | 1229.5 | 1221.5 | 1213.5 | 1211.2 |
| 25° | 1219.2 | 1215.6 | 1212.0 | 1208.5 | 1204.9 | 1198.7 | 1189.9 | 1181.1 | 1172.4 | 1163.6 | 1160.5 |
| 27.5° | 1172.1 | 1167.8 | 1163.4 | 1159.1 | 1154.8 | 1148.0 | 1138.5 | 1129.1 | 1119.7 | 1110.2 | 1106.0 |
| 30° | 1137.9 | 1133.4 | 1128.9 | 1124.3 | 1119.8 | 1112.5 | 1102.6 | 1092.6 | 1082.6 | 1072.6 | 1067.1 |
| 32.5° | 1104.5 | 1099.2 | 1093.9 | 1088.7 | 1083.4 | 1075.7 | 1065.5 | 1055.3 | 1045.1 | 1035.0 | 1029.0 |
| 35° | 1050.2 | 1044.5 | 1038.8 | 1033.1 | 1027.4 | 1019.1 | 1008.4 | 997.8 | 987.1 | 976.4 | 969.5 |
| 37.5° | 996.9 | 990.0 | 983.0 | 976.1 | 969.2 | 960.2 | 949.1 | 938.1 | 927.1 | 916.1 | 907.8 |
| 40° | 959.3 | 952.1 | 945.0 | 937.9 | 930.7 | 921.5 | 910.1 | 898.7 | 887.2 | 875.8 | 866.8 |
| 42.5° | 919.9 | 912.6 | 905.3 | 897.9 | 890.7 | 881.1 | 869.3 | 857.5 | 845.7 | 833.9 | 825.3 |
| 45° | 859.8 | 852.9 | 846.1 | 839.2 | 832.3 | 822.3 | 809.2 | 796.1 | 783.1 | 770.0 | 760.5 |
| 47.5° | 797.6 | 790.3 | 783.0 | 775.8 | 768.5 | 758.3 | 745.1 | 731.9 | 718.7 | 705.6 | 695.8 |
| 50° | 758.2 | 750.4 | 742.5 | 734.7 | 726.8 | 716.1 | 702.6 | 689.0 | 675.5 | 661.9 | 652.0 |
| 52.5° | 715.4 | 707.4 | 699.3 | 691.3 | 683.3 | 672.9 | 660.1 | 647.3 | 634.5 | 621.8 | 611.0 |
| 55° | 652.4 | 644.8 | 637.2 | 629.5 | 621.9 | 611.5 | 598.2 | 584.9 | 571.6 | 558.3 | 547.6 |
| 57.5° | 588.6 | 580.5 | 572.4 | 564.2 | 556.1 | 545.7 | 532.8 | 520.0 | 507.2 | 494.3 | 483.9 |
| 60° | 547.6 | 539.2 | 530.9 | 522.6 | 514.3 | 503.7 | 490.8 | 478.0 | 465.2 | 452.3 | 441.9 |
| 62.5° | 503.9 | 496.0 | 488.1 | 480.1 | 472.1 | 461.7 | 448.7 | 435.6 | 422.6 | 409.6 | 399.9 |
| 65° | 441.6 | 433.6 | 425.5 | 417.4 | 409.3 | 399.0 | 386.4 | 373.8 | 361.2 | 348.6 | 339.1 |
| 67.5° | 379.9 | 371.8 | 363.7 | 355.6 | 347.5 | 337.5 | 325.3 | 313.3 | 301.3 | 289.1 | 280.5 |
| 70° | 337.9 | 329.9 | 321.8 | 313.7 | 305.6 | 295.6 | 283.8 | 271.9 | 260.0 | 248.1 | 240.7 |
| 72.5° | 296.9 | 289.0 | 281.1 | 273.2 | 265.3 | 255.8 | 244.7 | 233.5 | 222.4 | 211.4 | 204.5 |
| 75° | 235.3 | 228.1 | 221.0 | 213.9 | 206.8 | 198.2 | 188.2 | 178.2 | 168.3 | 158.3 | 153.0 |
| 77.5° | 174.1 | 168.4 | 162.7 | 157.0 | 151.3 | 144.4 | 136.5 | 128.5 | 120.5 | 112.5 | 108.8 |
| 80° | 139.0 | 133.3 | 127.6 | 121.9 | 116.2 | 110.0 | 103.4 | 96.7 | 90.1 | 83.4 | 81.3 |
| 82.5° | 104.8 | 99.7 | 94.5 | 89.4 | 84.3 | 79.5 | 74.9 | 70.3 | 65.8 | 61.2 | 60.2 |
| 85° | 58.8 | 54.5 | 50.2 | 45.9 | 41.7 | 39.0 | 37.8 | 36.6 | 35.4 | 34.2 | 34.0 |
| 87.5° | 19.7 | 18.5 | 17.3 | 16.0 | 14.8 | 14.2 | 14.0 | 13.9 | 13.8 | 13.7 | 13.8 |
| 90° | 0.3 | 0.6 | 1.1 | 1.7 | 2.2 | 2.8 | 3.1 | 3.6 | 3.9 | 4.5 | 4.8 |
| 92.5° | 3.4 | 4.1 | 6.5 | 10.0 | 14.8 | 23.0 | 38.3 | 63.8 | 91.7 | 90.2 | 73.0 |
| 95° | 9.3 | 9.5 | 11.7 | 14.8 | 21.0 | 33.6 | 63.5 | 125.2 | 202.4 | 248.0 | 242.7 |
| 97.5° | 15.4 | 15.7 | 17.3 | 20.4 | 25.9 | 34.9 | 54.7 | 99.9 | 180.8 | 264.9 | 307.1 |
| 100° | 19.6 | 20.1 | 21.3 | 24.3 | 29.7 | 38.1 | 54.3 | 90.7 | 161.3 | 252.8 | 322.8 |
| 102.5° | 24.3 | 24.6 | 25.5 | 28.8 | 33.7 | 41.9 | 56.3 | 86.9 | 146.5 | 231.6 | 313.4 |
| 105° | 31.6 | 31.6 | 33.0 | 35.8 | 40.3 | 48.2 | 60.4 | 85.4 | 132.1 | 203.0 | 283.4 |
| 107.5° | 38.8 | 39.4 | 40.7 | 43.0 | 47.7 | 54.7 | 66.6 | 87.9 | 126.1 | 183.3 | 252.6 |
| 110° | 44.0 | 44.5 | 45.6 | 48.2 | 52.4 | 59.7 | 71.1 | 90.5 | 124.3 | 174.1 | 235.2 |



TEST NUMBER: P333585-927

CATALOG NUMBER: S125RDIP-S1090D365U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 49.1 | 49.7 | 50.5 | 53.1 | 57.3 | 64.3 | 75.3 | 93.6 | 124.3 | 168.7 | 222.2 |
| 115° | 56.6 | 57.1 | 58.0 | 60.4 | 64.6 | 71.7 | 82.1 | 98.2 | 125.2 | 163.0 | 208.0 |
| 117.5° | 63.3 | 64.1 | 65.0 | 67.5 | 72.3 | 79.1 | 88.9 | 103.6 | 127.0 | 160.1 | 199.6 |
| 120° | 67.7 | 68.6 | 69.7 | 72.2 | 77.0 | 84.0 | 93.8 | 107.3 | 128.8 | 158.8 | 194.9 |
| 122.5° | 72.5 | 73.0 | 74.0 | 76.5 | 81.7 | 88.7 | 98.5 | 111.2 | 130.3 | 157.6 | 190.8 |
| 125° | 78.4 | 79.0 | 80.3 | 82.9 | 88.2 | 95.5 | 104.7 | 116.8 | 133.0 | 156.2 | 185.4 |
| 127.5° | 83.0 | 83.9 | 85.6 | 88.9 | 94.5 | 101.8 | 110.7 | 121.8 | 135.9 | 155.6 | 180.3 |
| 130° | 86.0 | 86.8 | 89.0 | 92.7 | 98.5 | 105.8 | 114.5 | 125.2 | 137.8 | 155.1 | 177.0 |
| 132.5° | 88.2 | 89.3 | 92.0 | 96.0 | 102.1 | 109.4 | 118.1 | 128.1 | 139.7 | 155.1 | 174.3 |
| 135° | 91.8 | 92.9 | 96.3 | 100.8 | 106.7 | 114.2 | 122.9 | 132.1 | 142.5 | 155.1 | 171.0 |
| 137.5° | 96.4 | 97.3 | 100.4 | 104.9 | 110.7 | 118.4 | 126.4 | 135.1 | 145.0 | 155.4 | 168.2 |
| 140° | 99.1 | 100.0 | 103.3 | 107.8 | 113.1 | 120.6 | 128.8 | 137.2 | 146.2 | 155.7 | 166.8 |
| 142.5° | 102.3 | 102.8 | 106.0 | 110.5 | 115.6 | 122.7 | 130.3 | 138.3 | 146.8 | 155.9 | 165.7 |
| 145° | 106.9 | 107.5 | 110.3 | 114.2 | 119.3 | 125.7 | 133.0 | 140.0 | 147.5 | 155.7 | 164.1 |
| 147.5° | 111.9 | 112.2 | 114.6 | 118.3 | 122.6 | 128.3 | 134.7 | 141.0 | 147.8 | 155.0 | 162.3 |
| 150° | 114.8 | 115.3 | 117.3 | 121.0 | 124.8 | 129.6 | 135.8 | 141.6 | 147.8 | 154.2 | 161.0 |
| 152.5° | 118.0 | 118.3 | 120.0 | 123.2 | 126.9 | 131.2 | 136.9 | 142.1 | 147.6 | 153.4 | 159.4 |
| 155° | 122.1 | 122.1 | 123.7 | 126.5 | 129.4 | 133.2 | 138.0 | 142.5 | 146.9 | 151.8 | 156.8 |
| 157.5° | 125.8 | 125.7 | 127.1 | 129.4 | 131.9 | 134.9 | 138.9 | 142.8 | 146.2 | 150.0 | 154.3 |
| 160° | 128.3 | 127.9 | 129.0 | 131.0 | 133.2 | 135.8 | 139.4 | 142.8 | 145.6 | 148.9 | 152.3 |
| 162.5° | 130.2 | 130.0 | 131.1 | 132.8 | 134.6 | 136.7 | 139.9 | 142.6 | 144.9 | 147.6 | 150.5 |
| 165° | 133.2 | 132.7 | 133.6 | 134.9 | 136.1 | 137.8 | 140.0 | 142.2 | 143.9 | 145.6 | 147.8 |
| 167.5° | 135.3 | 135.0 | 135.5 | 136.3 | 137.0 | 138.2 | 140.0 | 141.6 | 142.4 | 143.6 | 145.2 |
| 170° | 136.7 | 136.3 | 136.7 | 137.2 | 137.8 | 138.6 | 140.0 | 141.1 | 141.6 | 142.5 | 143.6 |
| 172.5° | 137.5 | 137.0 | 137.3 | 137.8 | 138.2 | 138.6 | 139.7 | 140.7 | 140.8 | 141.2 | 142.0 |
| 175° | 138.6 | 138.0 | 138.3 | 138.6 | 138.6 | 138.6 | 139.4 | 140.0 | 139.7 | 139.7 | 140.0 |
| 177.5° | 139.1 | 138.6 | 138.6 | 138.9 | 138.6 | 138.6 | 139.1 | 139.3 | 138.9 | 138.9 | 139.1 |
| 180° | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 |



TEST NUMBER: P333585-927

CATALOG NUMBER: S125RDIP-S1090D365U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 |
| 2.5° | 1411.2 | 1413.1 | 1415.0 | 1415.8 | 1415.6 | 1415.5 | 1415.2 | 1415.1 |
| 5° | 1402.5 | 1404.9 | 1407.2 | 1408.2 | 1407.7 | 1407.2 | 1406.8 | 1406.3 |
| 7.5° | 1385.1 | 1386.7 | 1388.4 | 1388.9 | 1388.4 | 1387.9 | 1387.3 | 1386.8 |
| 10° | 1370.3 | 1371.0 | 1371.7 | 1371.7 | 1371.0 | 1370.3 | 1369.6 | 1368.9 |
| 12.5° | 1349.4 | 1349.9 | 1350.4 | 1350.1 | 1349.0 | 1348.0 | 1346.9 | 1345.8 |
| 15° | 1314.9 | 1314.7 | 1314.5 | 1313.3 | 1311.1 | 1309.0 | 1306.9 | 1304.7 |
| 17.5° | 1271.9 | 1270.7 | 1269.6 | 1268.1 | 1266.3 | 1264.6 | 1262.8 | 1261.1 |
| 20° | 1240.3 | 1239.1 | 1237.9 | 1236.3 | 1234.1 | 1232.0 | 1229.9 | 1227.7 |
| 22.5° | 1208.9 | 1206.6 | 1204.3 | 1202.2 | 1200.5 | 1198.7 | 1196.9 | 1195.2 |
| 25° | 1157.4 | 1154.3 | 1151.2 | 1148.3 | 1145.7 | 1143.1 | 1140.5 | 1137.9 |
| 27.5° | 1101.6 | 1097.3 | 1093.0 | 1089.6 | 1087.0 | 1084.5 | 1082.0 | 1079.5 |
| 30° | 1061.7 | 1056.2 | 1050.8 | 1046.9 | 1044.8 | 1042.7 | 1040.5 | 1038.4 |
| 32.5° | 1022.9 | 1016.8 | 1010.8 | 1006.5 | 1003.8 | 1001.1 | 998.3 | 995.6 |
| 35° | 962.6 | 955.7 | 948.8 | 943.7 | 940.4 | 937.1 | 933.7 | 930.4 |
| 37.5° | 899.5 | 891.3 | 883.0 | 877.3 | 874.0 | 870.8 | 867.5 | 864.3 |
| 40° | 857.8 | 848.7 | 839.7 | 833.8 | 830.9 | 828.1 | 825.2 | 822.4 |
| 42.5° | 816.7 | 807.9 | 799.3 | 792.9 | 788.7 | 784.6 | 780.4 | 776.2 |
| 45° | 751.0 | 741.5 | 732.0 | 725.4 | 721.8 | 718.3 | 714.7 | 711.1 |
| 47.5° | 686.0 | 676.2 | 666.5 | 659.6 | 655.6 | 651.6 | 647.8 | 643.8 |
| 50° | 642.0 | 632.0 | 622.0 | 615.3 | 611.7 | 608.2 | 604.6 | 601.0 |
| 52.5° | 600.3 | 589.5 | 578.8 | 571.6 | 568.1 | 564.5 | 560.9 | 557.4 |
| 55° | 536.9 | 526.2 | 515.5 | 508.2 | 504.4 | 500.6 | 496.8 | 493.0 |
| 57.5° | 473.4 | 463.0 | 452.5 | 445.5 | 442.2 | 438.8 | 435.4 | 432.1 |
| 60° | 431.4 | 421.0 | 410.5 | 403.5 | 400.0 | 396.4 | 392.8 | 389.3 |
| 62.5° | 390.2 | 380.5 | 370.8 | 364.2 | 360.6 | 357.0 | 353.5 | 349.9 |
| 65° | 329.6 | 320.1 | 310.6 | 304.0 | 300.5 | 296.9 | 293.3 | 289.8 |
| 67.5° | 271.8 | 263.1 | 254.4 | 248.6 | 245.7 | 242.9 | 240.0 | 237.2 |
| 70° | 233.4 | 226.0 | 218.6 | 213.5 | 210.6 | 207.8 | 204.9 | 202.1 |
| 72.5° | 197.7 | 190.9 | 184.1 | 179.7 | 177.8 | 175.9 | 174.0 | 172.1 |
| 75° | 147.8 | 142.6 | 137.4 | 133.9 | 132.2 | 130.6 | 128.9 | 127.2 |
| 77.5° | 105.2 | 101.6 | 97.8 | 95.4 | 94.2 | 92.9 | 91.7 | 90.5 |
| 80° | 79.1 | 77.0 | 74.9 | 73.5 | 73.0 | 72.6 | 72.1 | 71.6 |
| 82.5° | 59.2 | 58.1 | 57.2 | 56.6 | 56.2 | 55.9 | 55.7 | 55.4 |
| 85° | 33.7 | 33.5 | 33.3 | 33.0 | 32.8 | 32.6 | 32.3 | 32.1 |
| 87.5° | 13.9 | 13.9 | 13.9 | 13.9 | 13.8 | 13.6 | 13.5 | 13.2 |
| 90° | 5.1 | 5.3 | 5.6 | 6.2 | 6.2 | 6.2 | 6.4 | 6.4 |
| 92.5° | 49.6 | 36.0 | 27.1 | 23.0 | 19.4 | 18.7 | 18.3 | 17.8 |
| 95° | 201.3 | 158.8 | 124.3 | 100.8 | 80.9 | 72.5 | 70.3 | 65.8 |
| 97.5° | 299.8 | 270.0 | 236.4 | 203.7 | 186.4 | 170.7 | 162.6 | 159.0 |
| 100° | 344.4 | 330.7 | 301.8 | 272.7 | 253.3 | 233.2 | 222.8 | 218.4 |
| 102.5° | 359.3 | 367.8 | 354.0 | 334.3 | 313.6 | 299.3 | 288.0 | 284.7 |
| 105° | 350.5 | 388.9 | 401.2 | 398.2 | 389.1 | 379.9 | 374.3 | 371.0 |
| 107.5° | 318.9 | 370.1 | 401.7 | 416.4 | 420.9 | 420.9 | 419.0 | 416.8 |
| 110° | 295.6 | 348.9 | 388.3 | 412.1 | 424.7 | 430.0 | 432.0 | 432.0 |



TEST NUMBER: P333585-927

CATALOG NUMBER: S125RDIP-S1090D365U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 277.3 | 327.8 | 367.7 | 395.8 | 414.2 | 423.3 | 428.2 | 430.2 |
| 115° | 254.2 | 297.6 | 336.0 | 366.5 | 388.3 | 401.7 | 409.6 | 413.2 |
| 117.5° | 239.3 | 276.7 | 309.7 | 337.8 | 359.6 | 373.5 | 381.3 | 383.5 |
| 120° | 231.2 | 264.8 | 295.6 | 320.3 | 341.0 | 354.4 | 362.0 | 364.2 |
| 122.5° | 225.2 | 256.4 | 283.8 | 306.8 | 325.3 | 337.6 | 345.2 | 347.2 |
| 125° | 216.4 | 244.9 | 269.3 | 289.5 | 305.1 | 316.6 | 322.8 | 325.6 |
| 127.5° | 207.5 | 234.1 | 256.8 | 275.7 | 289.9 | 300.1 | 305.9 | 307.1 |
| 130° | 201.8 | 226.5 | 248.3 | 266.6 | 280.5 | 289.8 | 295.4 | 297.1 |
| 132.5° | 196.2 | 219.4 | 239.2 | 256.7 | 270.7 | 279.9 | 285.0 | 286.9 |
| 135° | 189.0 | 208.3 | 226.2 | 242.2 | 254.5 | 263.7 | 268.8 | 270.5 |
| 137.5° | 182.8 | 198.4 | 213.3 | 226.9 | 237.9 | 246.3 | 251.0 | 252.8 |
| 140° | 179.4 | 192.6 | 205.5 | 217.2 | 227.6 | 234.9 | 239.1 | 240.5 |
| 142.5° | 176.6 | 187.7 | 198.8 | 209.0 | 217.8 | 223.9 | 227.9 | 229.1 |
| 145° | 172.8 | 181.4 | 190.1 | 197.6 | 204.4 | 209.1 | 212.2 | 213.3 |
| 147.5° | 169.1 | 176.2 | 182.9 | 188.6 | 193.9 | 197.7 | 199.5 | 200.0 |
| 150° | 167.2 | 173.3 | 178.6 | 183.6 | 187.8 | 191.2 | 192.3 | 192.6 |
| 152.5° | 164.9 | 170.4 | 175.2 | 179.2 | 182.7 | 185.4 | 186.5 | 186.8 |
| 155° | 161.5 | 166.0 | 169.9 | 173.0 | 175.8 | 177.8 | 178.6 | 178.9 |
| 157.5° | 158.2 | 161.8 | 164.9 | 167.3 | 169.5 | 171.1 | 171.9 | 171.8 |
| 160° | 156.0 | 158.8 | 161.5 | 163.5 | 165.5 | 166.8 | 167.4 | 167.2 |
| 162.5° | 153.4 | 156.1 | 158.4 | 160.2 | 161.7 | 162.8 | 163.0 | 162.9 |
| 165° | 150.0 | 152.0 | 153.7 | 155.1 | 156.2 | 156.8 | 156.8 | 156.8 |
| 167.5° | 146.8 | 148.1 | 149.4 | 150.4 | 151.0 | 151.5 | 151.2 | 151.1 |
| 170° | 145.0 | 145.8 | 146.7 | 147.3 | 147.8 | 148.1 | 148.1 | 147.8 |
| 172.5° | 143.0 | 143.9 | 144.5 | 144.8 | 144.9 | 145.4 | 145.0 | 144.7 |
| 175° | 140.9 | 140.9 | 141.4 | 141.4 | 141.4 | 141.6 | 141.1 | 140.9 |
| 177.5° | 139.3 | 139.5 | 139.5 | 139.5 | 139.3 | 139.5 | 138.9 | 138.9 |
| 180° | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 | 138.9 |

(END OF REPORT)