

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: P332735-940

Luminaire Tested: **S124DIW-S350D1340U940-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332735-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S350D1340U940-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6072.7 lumens
Efficiency: N/A
Efficacy: 130.3 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-Indirect

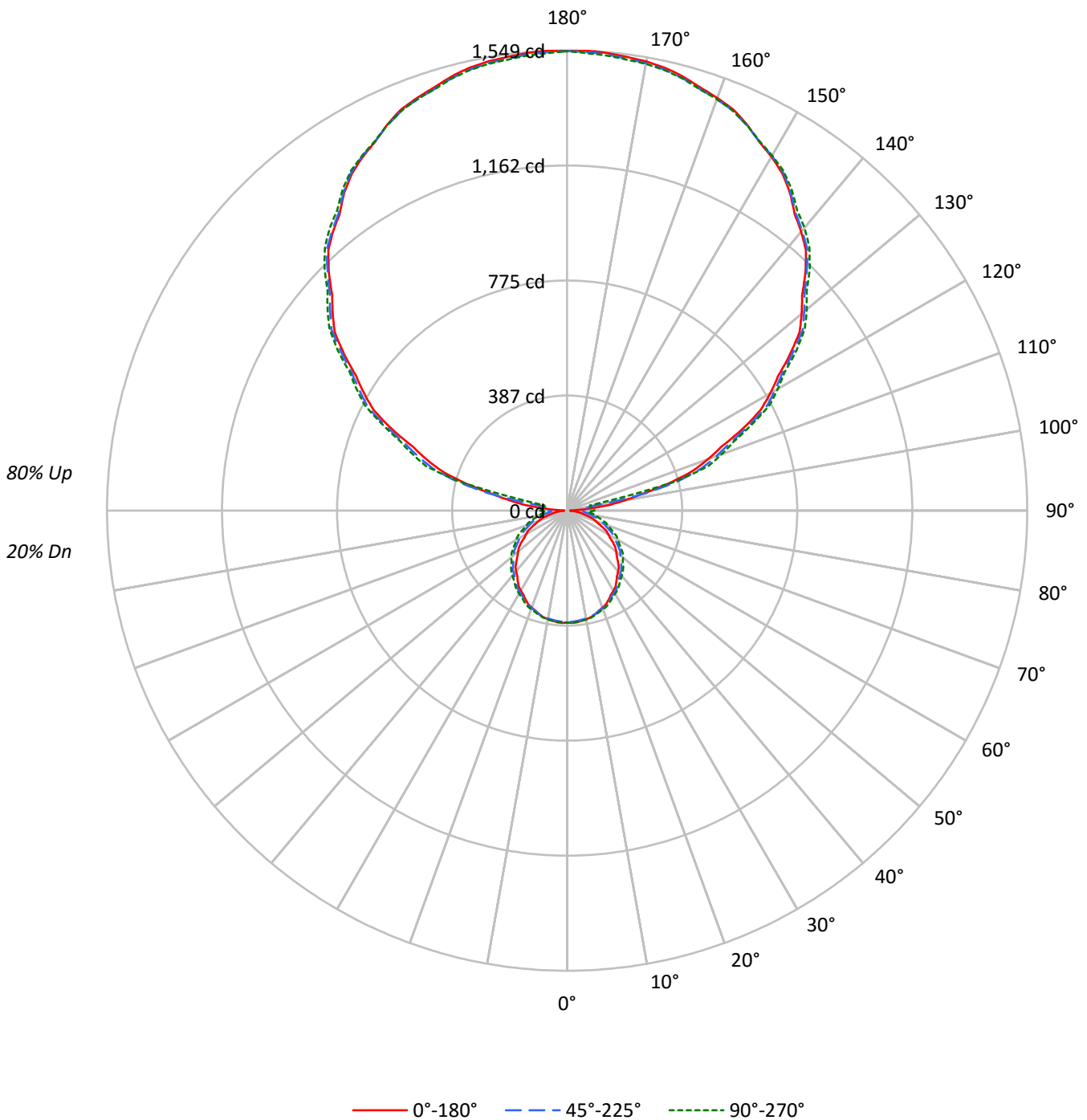
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332735-940

CATALOG NUMBER: S124DIW-S350D1340U940-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332735-940

CATALOG NUMBER: S124DIW-S350D1340U940-4F0-1E-UDD-D

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 | 100 | 100 | 100 | 100 | 88 | 88 | 88 | 88 | 66 | 66 | 66 | 47 | 47 | 47 | 28 | 28 | 28 | 20 |
| 1 | 91 | 86 | 82 | 79 | 80 | 76 | 73 | 70 | 57 | 55 | 53 | 40 | 39 | 38 | 24 | 24 | 23 | 16 |
| 2 | 82 | 75 | 69 | 64 | 72 | 66 | 61 | 57 | 50 | 47 | 44 | 35 | 33 | 31 | 21 | 20 | 19 | 13 |
| 3 | 75 | 66 | 59 | 53 | 66 | 58 | 52 | 47 | 44 | 40 | 37 | 31 | 28 | 26 | 19 | 17 | 16 | 11 |
| 4 | 68 | 58 | 50 | 44 | 60 | 51 | 45 | 40 | 39 | 34 | 31 | 27 | 24 | 22 | 16 | 15 | 14 | 9 |
| 5 | 62 | 51 | 44 | 38 | 55 | 45 | 39 | 34 | 34 | 30 | 26 | 24 | 21 | 19 | 15 | 13 | 12 | 8 |
| 6 | 57 | 46 | 38 | 32 | 50 | 41 | 34 | 29 | 31 | 26 | 23 | 22 | 19 | 16 | 13 | 12 | 10 | 7 |
| 7 | 53 | 41 | 33 | 28 | 46 | 37 | 30 | 25 | 28 | 23 | 20 | 20 | 17 | 14 | 12 | 10 | 9 | 6 |
| 8 | 49 | 37 | 30 | 25 | 43 | 33 | 27 | 22 | 25 | 21 | 17 | 18 | 15 | 13 | 11 | 9 | 8 | 5 |
| 9 | 45 | 34 | 26 | 22 | 40 | 30 | 24 | 20 | 23 | 18 | 15 | 16 | 13 | 11 | 10 | 8 | 7 | 5 |
| 10 | 42 | 31 | 24 | 19 | 37 | 27 | 21 | 17 | 21 | 17 | 14 | 15 | 12 | 10 | 9 | 8 | 6 | 4 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3043 | 3043 | 3043 |
| 5° | 3053 | 2974 | 2982 |
| 10° | 3033 | 2925 | 2923 |
| 15° | 3006 | 2869 | 2854 |
| 20° | 2965 | 2807 | 2785 |
| 25° | 2919 | 2737 | 2710 |
| 30° | 2869 | 2668 | 2634 |
| 35° | 2812 | 2597 | 2566 |
| 40° | 2768 | 2530 | 2497 |
| 45° | 2700 | 2466 | 2436 |
| 50° | 2643 | 2396 | 2373 |
| 55° | 2585 | 2328 | 2298 |
| 60° | 2493 | 2242 | 2231 |
| 65° | 2392 | 2149 | 2146 |
| 70° | 2271 | 2045 | 2049 |
| 75° | 2101 | 1926 | 1961 |
| 80° | 1913 | 1816 | 1875 |
| 85° | 1676 | 1717 | 1825 |



TEST NUMBER: P332735-940

CATALOG NUMBER: S124DIW-S350D1340U940-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.7 | 0.6 |
| 10°-20° | 102.3 | 1.7 |
| 20°-30° | 154.6 | 2.5 |
| 30°-40° | 187.1 | 3.1 |
| 40°-50° | 197.8 | 3.3 |
| 50°-60° | 186.2 | 3.1 |
| 60°-70° | 154.4 | 2.5 |
| 70°-80° | 108.5 | 1.8 |
| 80°-90° | 65.8 | 1.1 |
| 90°-100° | 89.3 | 1.5 |
| 100°-110° | 364.2 | 6.0 |
| 110°-120° | 663.2 | 10.9 |
| 120°-130° | 829.1 | 13.7 |
| 130°-140° | 880.6 | 14.5 |
| 140°-150° | 820.2 | 13.5 |
| 150°-160° | 660.7 | 10.9 |
| 160°-170° | 426.2 | 7.0 |
| 170°-180° | 146.9 | 2.4 |
| 0°-30° | 292.6 | 4.8 |
| 0°-40° | 479.7 | 7.9 |
| 0°-60° | 863.6 | 14.2 |
| 0°-90° | 1192.3 | 19.6 |
| 90°-120° | 1116.7 | 18.4 |
| 90°-150° | 3646.6 | 60.0 |
| 90°-180° | 4880.0 | 80.4 |
| 0°-180° | 6072.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 377 | 377 | 377 | 377 | 377 | |
| 5° | 377 | 376 | 373 | 376 | 376 | 36 |
| 15° | 362 | 362 | 361 | 364 | 364 | 102 |
| 25° | 331 | 333 | 335 | 339 | 340 | 152 |
| 35° | 290 | 295 | 299 | 304 | 306 | 181 |
| 45° | 241 | 249 | 257 | 264 | 267 | 187 |
| 55° | 189 | 198 | 211 | 219 | 222 | 168 |
| 65° | 131 | 144 | 159 | 169 | 173 | 130 |
| 75° | 73 | 88 | 106 | 117 | 122 | 77 |
| 85° | 22 | 40 | 59 | 71 | 76 | 24 |
| 90° | 10 | 40 | 67 | 86 | 92 | 8 |
| 95° | 69 | 46 | 62 | 80 | 85 | 86 |
| 105° | 352 | 368 | 389 | 406 | 371 | 369 |
| 115° | 653 | 660 | 672 | 683 | 687 | 642 |
| 125° | 915 | 920 | 928 | 939 | 943 | 817 |
| 135° | 1134 | 1134 | 1141 | 1150 | 1155 | 874 |
| 145° | 1307 | 1310 | 1310 | 1314 | 1318 | 817 |
| 155° | 1433 | 1434 | 1431 | 1435 | 1432 | 660 |
| 165° | 1512 | 1506 | 1506 | 1514 | 1505 | 427 |
| 175° | 1546 | 1540 | 1541 | 1550 | 1537 | 147 |
| 180° | 1546 | 1546 | 1546 | 1546 | 1546 | |



TEST NUMBER: P332735-940

CATALOG NUMBER: S124DIW-S350D1340U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 |
| 2.5° | 378.3 | 378.0 | 377.8 | 377.6 | 377.4 | 376.9 | 376.4 | 375.8 | 375.1 | 374.5 | 375.1 |
| 5° | 377.4 | 377.0 | 376.7 | 376.5 | 376.2 | 375.8 | 375.1 | 374.4 | 373.8 | 373.1 | 373.9 |
| 7.5° | 374.2 | 374.0 | 373.8 | 373.6 | 373.4 | 373.1 | 372.6 | 372.0 | 371.5 | 371.0 | 371.8 |
| 10° | 371.4 | 371.3 | 371.2 | 371.1 | 371.0 | 370.8 | 370.3 | 369.8 | 369.3 | 368.9 | 369.7 |
| 12.5° | 367.7 | 367.7 | 367.7 | 367.7 | 367.7 | 367.5 | 367.1 | 366.8 | 366.5 | 366.2 | 366.9 |
| 15° | 361.7 | 361.9 | 361.9 | 362.0 | 362.1 | 362.0 | 361.7 | 361.4 | 361.1 | 360.9 | 361.7 |
| 17.5° | 353.6 | 353.8 | 354.1 | 354.4 | 354.6 | 354.8 | 354.7 | 354.6 | 354.6 | 354.5 | 355.4 |
| 20° | 347.8 | 348.0 | 348.4 | 348.7 | 348.9 | 349.1 | 349.2 | 349.3 | 349.4 | 349.5 | 350.4 |
| 22.5° | 341.3 | 341.7 | 342.1 | 342.4 | 342.8 | 343.0 | 343.2 | 343.4 | 343.6 | 343.8 | 344.6 |
| 25° | 330.9 | 331.4 | 332.1 | 332.6 | 333.1 | 333.6 | 333.9 | 334.1 | 334.4 | 334.7 | 335.7 |
| 27.5° | 319.2 | 320.1 | 320.9 | 321.7 | 322.5 | 323.2 | 323.6 | 324.0 | 324.5 | 324.9 | 325.8 |
| 30° | 311.5 | 312.3 | 313.0 | 313.7 | 314.5 | 315.2 | 315.8 | 316.5 | 317.2 | 317.8 | 318.9 |
| 32.5° | 303.1 | 304.0 | 304.9 | 305.8 | 306.7 | 307.5 | 308.2 | 308.9 | 309.7 | 310.4 | 311.6 |
| 35° | 289.5 | 290.7 | 291.8 | 292.9 | 294.1 | 295.1 | 296.0 | 296.9 | 297.9 | 298.8 | 300.1 |
| 37.5° | 276.0 | 277.2 | 278.6 | 279.8 | 281.2 | 282.3 | 283.6 | 284.7 | 285.9 | 287.0 | 288.4 |
| 40° | 267.2 | 268.4 | 269.7 | 270.8 | 272.1 | 273.3 | 274.6 | 276.0 | 277.2 | 278.6 | 280.0 |
| 42.5° | 257.1 | 258.4 | 259.8 | 261.2 | 262.5 | 263.9 | 265.6 | 267.1 | 268.6 | 270.1 | 271.7 |
| 45° | 241.4 | 243.2 | 245.0 | 246.7 | 248.5 | 250.3 | 252.1 | 253.9 | 255.7 | 257.4 | 259.0 |
| 47.5° | 226.5 | 228.4 | 230.2 | 232.0 | 233.8 | 235.8 | 237.8 | 240.0 | 242.0 | 244.1 | 245.7 |
| 50° | 215.7 | 217.8 | 219.8 | 221.9 | 223.9 | 226.0 | 228.1 | 230.2 | 232.2 | 234.3 | 236.1 |
| 52.5° | 204.9 | 207.0 | 209.0 | 211.1 | 213.1 | 215.3 | 217.7 | 220.1 | 222.4 | 224.8 | 226.7 |
| 55° | 189.1 | 191.1 | 193.1 | 195.0 | 197.0 | 199.4 | 202.2 | 205.0 | 207.8 | 210.6 | 212.5 |
| 57.5° | 171.5 | 173.9 | 176.3 | 178.8 | 181.2 | 183.8 | 186.6 | 189.4 | 192.2 | 195.0 | 197.2 |
| 60° | 160.0 | 162.4 | 164.9 | 167.3 | 169.7 | 172.5 | 175.6 | 178.7 | 181.7 | 184.9 | 187.0 |
| 62.5° | 148.8 | 151.5 | 154.2 | 156.9 | 159.4 | 162.4 | 165.4 | 168.5 | 171.7 | 174.8 | 176.9 |
| 65° | 130.8 | 133.8 | 136.9 | 139.8 | 142.9 | 146.0 | 149.1 | 152.3 | 155.5 | 158.7 | 161.0 |
| 67.5° | 113.5 | 116.7 | 119.9 | 123.1 | 126.3 | 129.6 | 133.0 | 136.4 | 139.8 | 143.2 | 145.6 |
| 70° | 101.7 | 104.9 | 108.1 | 111.3 | 114.5 | 117.9 | 121.5 | 125.0 | 128.6 | 132.2 | 134.6 |
| 72.5° | 90.2 | 93.5 | 96.8 | 100.0 | 103.3 | 106.8 | 110.6 | 114.4 | 118.2 | 122.0 | 124.4 |
| 75° | 72.6 | 76.1 | 79.5 | 83.0 | 86.5 | 90.2 | 94.2 | 98.1 | 102.0 | 105.9 | 108.6 |
| 77.5° | 56.2 | 59.8 | 63.5 | 67.1 | 70.8 | 74.7 | 78.8 | 83.0 | 87.1 | 91.2 | 93.9 |
| 80° | 46.0 | 49.8 | 53.5 | 57.2 | 61.0 | 64.9 | 69.1 | 73.2 | 77.3 | 81.5 | 84.3 |
| 82.5° | 35.8 | 39.8 | 43.7 | 47.6 | 51.5 | 55.5 | 59.7 | 63.8 | 67.9 | 72.1 | 74.9 |
| 85° | 22.4 | 26.3 | 30.2 | 34.2 | 38.2 | 42.2 | 46.5 | 50.6 | 54.8 | 59.1 | 61.9 |
| 87.5° | 13.2 | 17.6 | 21.9 | 26.4 | 30.8 | 35.2 | 39.8 | 44.2 | 48.8 | 53.3 | 56.4 |
| 90° | 10.3 | 16.8 | 23.4 | 30.0 | 36.6 | 42.9 | 49.0 | 55.0 | 61.2 | 67.2 | 71.5 |
| 92.5° | 21.0 | 24.5 | 28.1 | 31.6 | 35.1 | 39.9 | 46.0 | 52.1 | 58.2 | 64.3 | 68.5 |
| 95° | 69.1 | 63.5 | 57.8 | 52.2 | 46.5 | 45.7 | 49.8 | 53.9 | 58.1 | 62.2 | 66.3 |
| 97.5° | 140.1 | 148.2 | 156.3 | 164.4 | 172.5 | 164.2 | 139.3 | 114.4 | 89.5 | 64.6 | 67.2 |
| 100° | 194.3 | 201.3 | 208.5 | 215.5 | 222.6 | 210.2 | 178.4 | 146.6 | 114.8 | 82.9 | 81.1 |
| 102.5° | 255.4 | 260.9 | 266.4 | 272.0 | 277.5 | 279.7 | 278.7 | 277.7 | 276.6 | 275.6 | 230.9 |
| 105° | 352.0 | 355.3 | 358.7 | 362.2 | 365.6 | 369.7 | 374.4 | 379.2 | 384.0 | 388.7 | 393.3 |
| 107.5° | 442.3 | 444.6 | 446.9 | 449.2 | 451.6 | 455.2 | 460.2 | 465.3 | 470.3 | 475.3 | 478.8 |
| 110° | 503.0 | 505.2 | 507.2 | 509.3 | 511.4 | 514.8 | 519.6 | 524.5 | 529.3 | 534.1 | 536.8 |



TEST NUMBER: P332735-940

CATALOG NUMBER: S124DIW-S350D1340U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 561.9 | 564.5 | 567.0 | 569.5 | 572.1 | 575.3 | 579.2 | 583.0 | 586.8 | 590.8 | 592.7 |
| 115° | 652.6 | 654.2 | 655.8 | 657.4 | 659.0 | 661.2 | 664.0 | 666.6 | 669.4 | 672.2 | 674.8 |
| 117.5° | 734.6 | 736.1 | 737.6 | 739.1 | 740.7 | 743.2 | 746.5 | 749.8 | 753.2 | 756.6 | 758.5 |
| 120° | 789.8 | 791.0 | 792.4 | 793.7 | 795.0 | 796.9 | 799.3 | 801.8 | 804.2 | 806.7 | 809.1 |
| 122.5° | 841.6 | 842.2 | 842.9 | 843.6 | 844.3 | 846.1 | 849.0 | 851.9 | 854.9 | 857.8 | 860.0 |
| 125° | 915.4 | 916.3 | 917.3 | 918.2 | 919.2 | 920.5 | 922.4 | 924.2 | 926.0 | 927.8 | 930.4 |
| 127.5° | 985.6 | 985.8 | 986.0 | 986.1 | 986.3 | 987.8 | 990.9 | 993.8 | 996.8 | 999.8 | 1001.3 |
| 130° | 1030.6 | 1030.8 | 1031.0 | 1031.1 | 1031.3 | 1032.5 | 1034.7 | 1037.1 | 1039.3 | 1041.6 | 1043.6 |
| 132.5° | 1072.3 | 1072.6 | 1073.0 | 1073.4 | 1073.7 | 1075.0 | 1077.2 | 1079.4 | 1081.6 | 1083.7 | 1085.6 |
| 135° | 1134.3 | 1134.1 | 1133.8 | 1133.5 | 1133.3 | 1134.0 | 1135.7 | 1137.4 | 1139.1 | 1140.8 | 1142.7 |
| 137.5° | 1189.6 | 1189.6 | 1189.6 | 1189.6 | 1189.6 | 1190.3 | 1191.8 | 1193.3 | 1194.7 | 1196.1 | 1198.1 |
| 140° | 1225.7 | 1226.1 | 1226.5 | 1226.9 | 1227.4 | 1227.9 | 1228.5 | 1229.1 | 1229.7 | 1230.3 | 1232.3 |
| 142.5° | 1257.8 | 1258.6 | 1259.5 | 1260.4 | 1261.3 | 1261.9 | 1262.2 | 1262.5 | 1262.7 | 1262.9 | 1264.5 |
| 145° | 1307.3 | 1308.1 | 1308.8 | 1309.4 | 1310.1 | 1310.5 | 1310.5 | 1310.5 | 1310.5 | 1310.5 | 1311.3 |
| 147.5° | 1346.9 | 1348.3 | 1349.6 | 1350.9 | 1352.3 | 1352.9 | 1352.6 | 1352.4 | 1352.1 | 1351.8 | 1352.1 |
| 150° | 1375.6 | 1376.5 | 1377.5 | 1378.4 | 1379.4 | 1379.7 | 1379.5 | 1379.2 | 1378.9 | 1378.7 | 1378.7 |
| 152.5° | 1399.4 | 1400.2 | 1401.0 | 1401.8 | 1402.6 | 1402.8 | 1402.3 | 1401.8 | 1401.3 | 1400.9 | 1401.3 |
| 155° | 1433.1 | 1433.2 | 1433.5 | 1433.8 | 1434.0 | 1433.8 | 1433.1 | 1432.3 | 1431.5 | 1430.7 | 1431.7 |
| 157.5° | 1461.5 | 1461.3 | 1461.2 | 1461.0 | 1460.9 | 1460.4 | 1459.5 | 1458.6 | 1457.8 | 1456.9 | 1458.2 |
| 160° | 1478.1 | 1477.4 | 1476.6 | 1475.8 | 1475.1 | 1474.5 | 1474.3 | 1474.0 | 1473.7 | 1473.6 | 1475.1 |
| 162.5° | 1492.9 | 1491.9 | 1491.0 | 1490.0 | 1489.1 | 1488.4 | 1488.2 | 1487.9 | 1487.6 | 1487.4 | 1488.9 |
| 165° | 1511.7 | 1510.4 | 1509.1 | 1507.8 | 1506.5 | 1505.9 | 1505.9 | 1505.9 | 1505.9 | 1505.9 | 1508.0 |
| 167.5° | 1526.5 | 1525.2 | 1523.8 | 1522.5 | 1521.2 | 1520.4 | 1520.3 | 1520.1 | 1519.9 | 1519.7 | 1522.1 |
| 170° | 1534.8 | 1533.3 | 1531.7 | 1530.2 | 1528.7 | 1528.0 | 1528.2 | 1528.5 | 1528.7 | 1529.0 | 1531.1 |
| 172.5° | 1540.3 | 1538.8 | 1537.3 | 1535.7 | 1534.2 | 1533.6 | 1533.8 | 1534.1 | 1534.3 | 1534.5 | 1536.6 |
| 175° | 1546.4 | 1544.8 | 1543.3 | 1541.8 | 1540.2 | 1539.5 | 1539.8 | 1540.1 | 1540.3 | 1540.6 | 1542.9 |
| 177.5° | 1549.2 | 1547.7 | 1546.2 | 1544.8 | 1543.4 | 1542.8 | 1543.3 | 1543.7 | 1544.1 | 1544.5 | 1546.1 |
| 180° | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 |



TEST NUMBER: P332735-940

CATALOG NUMBER: S124DIW-S350D1340U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 |
| 2.5° | 375.6 | 376.1 | 376.7 | 376.8 | 376.8 | 376.7 | 376.7 | 376.6 |
| 5° | 374.6 | 375.3 | 376.1 | 376.5 | 376.4 | 376.2 | 376.1 | 376.0 |
| 7.5° | 372.6 | 373.4 | 374.3 | 374.7 | 374.6 | 374.5 | 374.4 | 374.3 |
| 10° | 370.6 | 371.4 | 372.3 | 372.6 | 372.6 | 372.5 | 372.4 | 372.3 |
| 12.5° | 367.7 | 368.5 | 369.3 | 369.6 | 369.6 | 369.6 | 369.6 | 369.5 |
| 15° | 362.6 | 363.4 | 364.3 | 364.6 | 364.5 | 364.4 | 364.4 | 364.3 |
| 17.5° | 356.2 | 357.1 | 358.0 | 358.4 | 358.3 | 358.2 | 358.2 | 358.1 |
| 20° | 351.3 | 352.3 | 353.2 | 353.7 | 353.7 | 353.7 | 353.7 | 353.7 |
| 22.5° | 345.6 | 346.5 | 347.5 | 348.0 | 348.2 | 348.3 | 348.5 | 348.7 |
| 25° | 336.8 | 337.8 | 338.9 | 339.4 | 339.5 | 339.6 | 339.7 | 339.7 |
| 27.5° | 326.8 | 327.8 | 328.8 | 329.3 | 329.4 | 329.5 | 329.6 | 329.8 |
| 30° | 319.9 | 320.9 | 321.9 | 322.5 | 322.7 | 323.0 | 323.2 | 323.3 |
| 32.5° | 312.7 | 314.0 | 315.1 | 315.8 | 316.0 | 316.2 | 316.4 | 316.6 |
| 35° | 301.5 | 302.7 | 304.1 | 304.9 | 305.1 | 305.4 | 305.8 | 306.0 |
| 37.5° | 289.7 | 291.0 | 292.3 | 293.2 | 293.5 | 293.7 | 294.1 | 294.4 |
| 40° | 281.4 | 282.8 | 284.2 | 285.1 | 285.4 | 285.9 | 286.2 | 286.6 |
| 42.5° | 273.2 | 274.8 | 276.3 | 277.3 | 277.6 | 277.9 | 278.2 | 278.5 |
| 45° | 260.6 | 262.3 | 263.9 | 264.8 | 265.4 | 265.8 | 266.3 | 266.7 |
| 47.5° | 247.4 | 249.0 | 250.7 | 251.7 | 252.4 | 252.9 | 253.4 | 254.0 |
| 50° | 238.0 | 239.9 | 241.7 | 243.0 | 243.5 | 244.1 | 244.7 | 245.2 |
| 52.5° | 228.5 | 230.4 | 232.3 | 233.5 | 234.1 | 234.6 | 235.2 | 235.8 |
| 55° | 214.4 | 216.2 | 218.1 | 219.4 | 219.9 | 220.4 | 221.1 | 221.6 |
| 57.5° | 199.5 | 201.7 | 203.9 | 205.3 | 205.8 | 206.3 | 206.9 | 207.4 |
| 60° | 189.2 | 191.4 | 193.5 | 194.9 | 195.7 | 196.4 | 197.2 | 198.0 |
| 62.5° | 179.1 | 181.2 | 183.3 | 184.9 | 185.6 | 186.3 | 187.1 | 187.8 |
| 65° | 163.4 | 165.8 | 168.1 | 169.6 | 170.4 | 171.1 | 171.9 | 172.6 |
| 67.5° | 148.0 | 150.4 | 152.8 | 154.4 | 155.1 | 155.8 | 156.5 | 157.3 |
| 70° | 137.1 | 139.7 | 142.2 | 143.8 | 144.5 | 145.2 | 145.8 | 146.4 |
| 72.5° | 126.9 | 129.4 | 131.8 | 133.4 | 134.1 | 134.8 | 135.6 | 136.3 |
| 75° | 111.2 | 113.8 | 116.5 | 118.2 | 119.0 | 119.8 | 120.7 | 121.5 |
| 77.5° | 96.6 | 99.2 | 101.9 | 103.7 | 104.6 | 105.5 | 106.4 | 107.3 |
| 80° | 87.1 | 89.9 | 92.7 | 94.5 | 95.2 | 96.0 | 96.8 | 97.5 |
| 82.5° | 77.8 | 80.7 | 83.6 | 85.4 | 86.2 | 87.0 | 87.9 | 88.7 |
| 85° | 64.7 | 67.5 | 70.4 | 72.2 | 73.1 | 74.1 | 75.0 | 76.0 |
| 87.5° | 59.4 | 62.4 | 65.4 | 67.4 | 68.3 | 69.2 | 70.2 | 71.1 |
| 90° | 75.8 | 80.0 | 84.3 | 87.0 | 88.3 | 89.5 | 90.9 | 92.1 |
| 92.5° | 72.7 | 76.9 | 81.1 | 83.6 | 84.4 | 85.2 | 86.1 | 86.9 |
| 95° | 70.4 | 74.4 | 78.5 | 81.1 | 82.1 | 83.3 | 84.4 | 85.4 |
| 97.5° | 69.8 | 72.5 | 75.1 | 77.0 | 78.0 | 79.0 | 80.1 | 81.1 |
| 100° | 79.3 | 77.5 | 75.6 | 75.2 | 76.1 | 77.0 | 77.9 | 78.8 |
| 102.5° | 186.2 | 141.5 | 96.8 | 74.9 | 75.7 | 76.5 | 77.3 | 78.0 |
| 105° | 398.1 | 402.7 | 407.3 | 405.5 | 396.9 | 388.4 | 380.0 | 371.4 |
| 107.5° | 482.2 | 485.6 | 489.1 | 491.6 | 493.3 | 494.9 | 496.6 | 498.2 |
| 110° | 539.5 | 542.2 | 544.8 | 546.9 | 548.4 | 549.9 | 551.4 | 552.9 |



TEST NUMBER: P332735-940

CATALOG NUMBER: S124DIW-S350D1340U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 594.7 | 596.6 | 598.6 | 600.5 | 602.3 | 604.0 | 605.6 | 607.4 |
| 115° | 677.3 | 679.9 | 682.4 | 684.1 | 684.7 | 685.4 | 686.1 | 686.7 |
| 117.5° | 760.3 | 762.1 | 764.0 | 765.3 | 765.9 | 766.5 | 767.2 | 767.9 |
| 120° | 811.5 | 813.9 | 816.3 | 817.6 | 817.9 | 818.1 | 818.3 | 818.6 |
| 122.5° | 862.2 | 864.3 | 866.6 | 867.7 | 867.8 | 868.0 | 868.2 | 868.3 |
| 125° | 932.9 | 935.5 | 938.1 | 939.8 | 940.6 | 941.4 | 942.2 | 943.0 |
| 127.5° | 1002.9 | 1004.4 | 1005.9 | 1006.9 | 1007.4 | 1007.8 | 1008.3 | 1008.6 |
| 130° | 1045.5 | 1047.4 | 1049.4 | 1050.6 | 1051.2 | 1051.8 | 1052.3 | 1052.8 |
| 132.5° | 1087.4 | 1089.3 | 1091.2 | 1092.3 | 1092.7 | 1093.1 | 1093.4 | 1093.8 |
| 135° | 1144.8 | 1146.7 | 1148.8 | 1150.3 | 1151.4 | 1152.5 | 1153.6 | 1154.7 |
| 137.5° | 1200.1 | 1201.9 | 1203.9 | 1205.1 | 1205.3 | 1205.7 | 1205.9 | 1206.3 |
| 140° | 1234.3 | 1236.3 | 1238.2 | 1239.7 | 1240.4 | 1241.1 | 1241.8 | 1242.5 |
| 142.5° | 1266.2 | 1267.8 | 1269.4 | 1270.5 | 1271.0 | 1271.4 | 1271.8 | 1272.3 |
| 145° | 1312.1 | 1312.9 | 1313.7 | 1314.6 | 1315.5 | 1316.3 | 1317.2 | 1318.1 |
| 147.5° | 1352.4 | 1352.6 | 1353.0 | 1353.3 | 1354.0 | 1354.5 | 1355.0 | 1355.6 |
| 150° | 1378.7 | 1378.7 | 1378.7 | 1378.8 | 1379.0 | 1379.3 | 1379.6 | 1379.8 |
| 152.5° | 1401.7 | 1402.1 | 1402.5 | 1402.7 | 1402.5 | 1402.3 | 1402.2 | 1402.0 |
| 155° | 1432.8 | 1433.8 | 1434.9 | 1434.9 | 1434.2 | 1433.4 | 1432.6 | 1431.9 |
| 157.5° | 1459.6 | 1460.9 | 1462.2 | 1462.2 | 1460.9 | 1459.6 | 1458.2 | 1456.9 |
| 160° | 1476.6 | 1478.1 | 1479.7 | 1479.7 | 1478.1 | 1476.6 | 1475.1 | 1473.6 |
| 162.5° | 1490.5 | 1492.0 | 1493.5 | 1493.4 | 1491.7 | 1490.0 | 1488.2 | 1486.5 |
| 165° | 1510.0 | 1512.1 | 1514.1 | 1513.9 | 1511.7 | 1509.4 | 1507.1 | 1504.8 |
| 167.5° | 1524.3 | 1526.5 | 1528.8 | 1528.7 | 1526.1 | 1523.5 | 1521.0 | 1518.4 |
| 170° | 1533.1 | 1535.2 | 1537.2 | 1537.0 | 1534.5 | 1531.9 | 1529.3 | 1526.7 |
| 172.5° | 1538.6 | 1540.8 | 1542.8 | 1542.5 | 1539.6 | 1536.9 | 1534.1 | 1531.3 |
| 175° | 1545.2 | 1547.6 | 1549.9 | 1549.4 | 1546.4 | 1543.3 | 1540.2 | 1537.1 |
| 177.5° | 1547.8 | 1549.4 | 1551.1 | 1550.7 | 1548.2 | 1545.8 | 1543.3 | 1540.8 |
| 180° | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 | 1546.4 |

(END OF REPORT)