

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: P332323-927

Luminaire Tested: **S123RDIP-S775D1025U927-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332323-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D1025U927-4F0-1E-UDD-F4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5252.4 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.06 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: General Diffuse

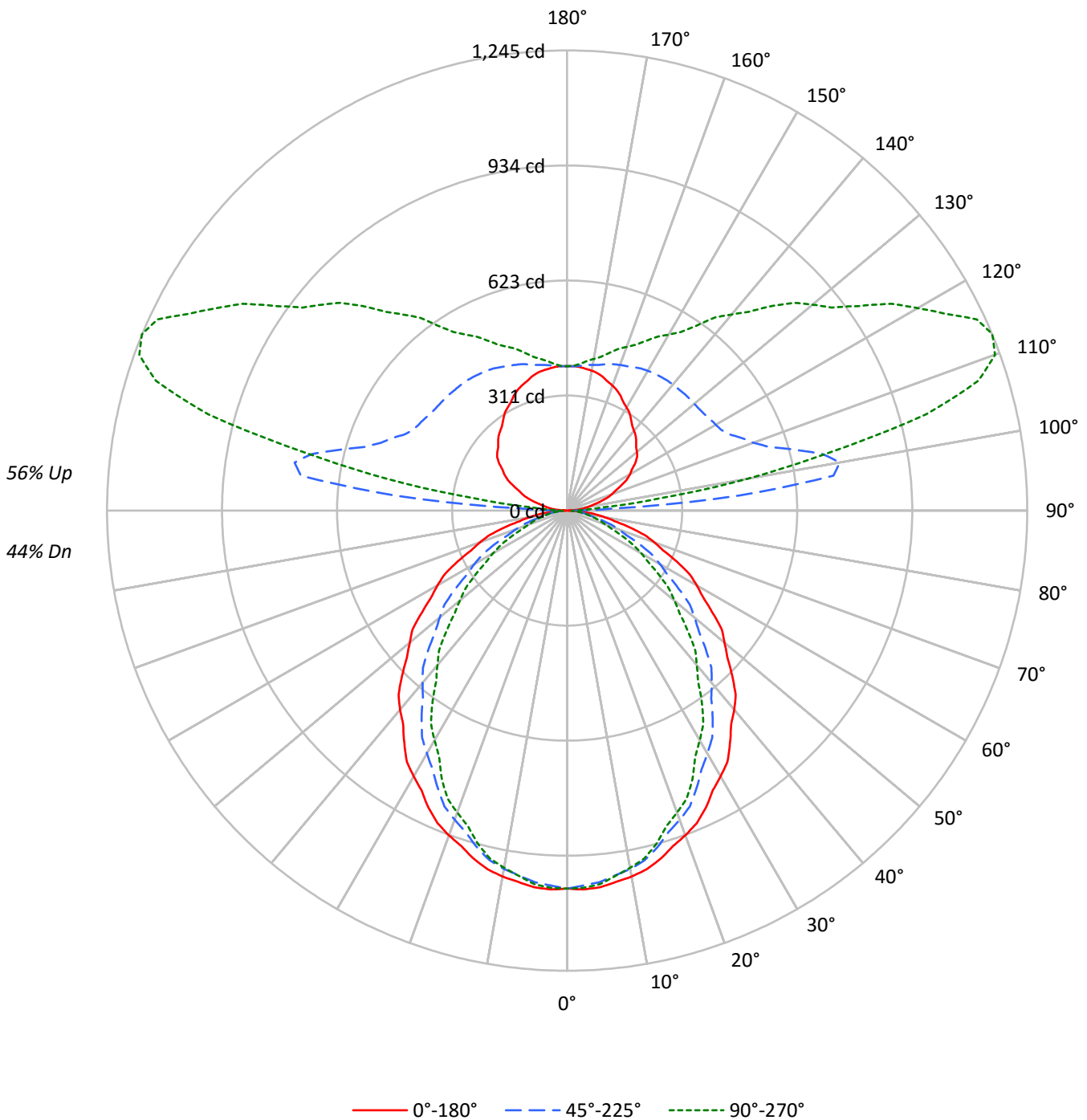
Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332323-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332323-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 44 | | | | |
| 1 | 97 | 93 | 89 | 85 | 88 | 85 | 82 | 79 | 71 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 38 | | | | |
| 2 | 88 | 81 | 75 | 70 | 81 | 75 | 69 | 65 | 62 | 58 | 55 | 51 | 48 | 46 | 40 | 38 | 37 | 32 | | | | |
| 3 | 81 | 72 | 64 | 59 | 74 | 66 | 60 | 55 | 55 | 50 | 47 | 45 | 42 | 39 | 36 | 34 | 32 | 27 | | | | |
| 4 | 74 | 63 | 56 | 50 | 67 | 58 | 52 | 47 | 49 | 44 | 40 | 40 | 37 | 34 | 32 | 30 | 28 | 24 | | | | |
| 5 | 68 | 57 | 49 | 43 | 62 | 52 | 45 | 40 | 44 | 39 | 35 | 36 | 32 | 29 | 29 | 26 | 24 | 21 | | | | |
| 6 | 63 | 51 | 43 | 37 | 57 | 47 | 40 | 35 | 40 | 34 | 30 | 33 | 29 | 26 | 26 | 24 | 21 | 18 | | | | |
| 7 | 58 | 46 | 38 | 33 | 53 | 42 | 36 | 31 | 36 | 31 | 27 | 30 | 26 | 23 | 24 | 21 | 19 | 16 | | | | |
| 8 | 54 | 42 | 34 | 29 | 49 | 39 | 32 | 27 | 33 | 28 | 24 | 27 | 23 | 20 | 22 | 19 | 17 | 15 | | | | |
| 9 | 50 | 38 | 31 | 26 | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 21 | 18 | 16 | 13 | | | | |
| 10 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 22 | 28 | 23 | 19 | 23 | 19 | 17 | 19 | 16 | 14 | 12 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11009 | 11009 | 11009 |
| 5° | 11051 | 10899 | 10962 |
| 10° | 10989 | 10762 | 10726 |
| 15° | 10871 | 10510 | 10399 |
| 20° | 10709 | 10195 | 9958 |
| 25° | 10542 | 9841 | 9526 |
| 30° | 10320 | 9434 | 8918 |
| 35° | 10093 | 9025 | 8360 |
| 40° | 9884 | 8543 | 7669 |
| 45° | 9608 | 8068 | 7046 |
| 50° | 9306 | 7529 | 6348 |
| 55° | 8997 | 6912 | 5697 |
| 60° | 8714 | 6250 | 4982 |
| 65° | 8344 | 5535 | 4266 |
| 70° | 7884 | 4648 | 3446 |
| 75° | 7207 | 3656 | 3244 |
| 80° | 6428 | 3242 | 2982 |
| 85° | 5434 | 2865 | 2655 |



TEST NUMBER: P332323-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 96.0 | 1.8 |
| 10°-20° | 267.2 | 5.1 |
| 20°-30° | 384.8 | 7.3 |
| 30°-40° | 433.4 | 8.3 |
| 40°-50° | 414.6 | 7.9 |
| 50°-60° | 339.6 | 6.5 |
| 60°-70° | 229.1 | 4.4 |
| 70°-80° | 115.3 | 2.2 |
| 80°-90° | 33.5 | 0.6 |
| 90°-100° | 217.4 | 4.1 |
| 100°-110° | 615.6 | 11.7 |
| 110°-120° | 605.5 | 11.5 |
| 120°-130° | 483.0 | 9.2 |
| 130°-140° | 380.8 | 7.3 |
| 140°-150° | 284.2 | 5.4 |
| 150°-160° | 198.1 | 3.8 |
| 160°-170° | 116.4 | 2.2 |
| 170°-180° | 37.9 | 0.7 |
| 0°-30° | 748.0 | 14.2 |
| 0°-40° | 1181.5 | 22.5 |
| 0°-60° | 1935.6 | 36.9 |
| 0°-90° | 2313.5 | 44.0 |
| 90°-120° | 1438.5 | 27.4 |
| 90°-150° | 2586.5 | 49.2 |
| 90°-180° | 2939.0 | 56.0 |
| 0°-180° | 5252.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1023 | 1023 | 1023 | 1023 | 1023 | |
| 5° | 1023 | 1018 | 1009 | 1016 | 1014 | 97 |
| 15° | 976 | 966 | 943 | 939 | 933 | 275 |
| 25° | 888 | 866 | 829 | 812 | 802 | 408 |
| 35° | 768 | 737 | 687 | 652 | 636 | 481 |
| 45° | 631 | 592 | 530 | 484 | 463 | 487 |
| 55° | 479 | 437 | 368 | 322 | 304 | 430 |
| 65° | 328 | 281 | 217 | 178 | 168 | 324 |
| 75° | 173 | 133 | 88 | 80 | 78 | 185 |
| 85° | 44 | 27 | 23 | 22 | 22 | 49 |
| 90° | 2 | 10 | 20 | 22 | 23 | 4 |
| 95° | 27 | 87 | 469 | 137 | 92 | 29 |
| 105° | 92 | 136 | 636 | 1112 | 1006 | 97 |
| 115° | 162 | 202 | 486 | 1066 | 1223 | 160 |
| 125° | 225 | 266 | 454 | 822 | 965 | 200 |
| 135° | 264 | 315 | 448 | 677 | 782 | 204 |
| 145° | 301 | 345 | 442 | 556 | 611 | 189 |
| 155° | 342 | 369 | 428 | 486 | 507 | 157 |
| 165° | 374 | 385 | 410 | 434 | 442 | 105 |
| 175° | 390 | 390 | 393 | 398 | 398 | 37 |
| 180° | 391 | 391 | 391 | 391 | 391 | |



TEST NUMBER: P332323-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 |
| 2.5° | 1026.0 | 1025.5 | 1024.8 | 1024.3 | 1023.7 | 1022.5 | 1020.7 | 1019.0 | 1017.2 | 1015.4 | 1017.1 |
| 5° | 1022.8 | 1021.8 | 1020.9 | 1020.0 | 1019.1 | 1017.5 | 1015.3 | 1013.0 | 1010.8 | 1008.7 | 1010.3 |
| 7.5° | 1013.3 | 1012.3 | 1011.3 | 1010.3 | 1009.3 | 1007.3 | 1004.5 | 1001.6 | 998.8 | 995.9 | 996.8 |
| 10° | 1005.4 | 1004.0 | 1002.7 | 1001.5 | 1000.1 | 997.8 | 994.5 | 991.3 | 987.9 | 984.6 | 984.8 |
| 12.5° | 994.0 | 992.6 | 991.2 | 989.8 | 988.3 | 985.6 | 981.5 | 977.5 | 973.4 | 969.3 | 969.2 |
| 15° | 975.5 | 973.4 | 971.4 | 969.4 | 967.3 | 963.8 | 958.6 | 953.5 | 948.2 | 943.1 | 942.2 |
| 17.5° | 952.0 | 949.7 | 947.4 | 945.0 | 942.6 | 938.2 | 931.6 | 925.0 | 918.5 | 912.0 | 910.0 |
| 20° | 934.9 | 931.8 | 928.9 | 926.0 | 923.1 | 918.1 | 911.0 | 904.0 | 897.1 | 890.0 | 887.6 |
| 22.5° | 915.6 | 912.2 | 908.8 | 905.4 | 902.0 | 896.6 | 889.1 | 881.7 | 874.3 | 866.8 | 863.8 |
| 25° | 887.6 | 883.0 | 878.3 | 873.7 | 869.1 | 862.5 | 854.1 | 845.6 | 837.1 | 828.6 | 824.7 |
| 27.5° | 853.5 | 848.4 | 843.4 | 838.3 | 833.2 | 825.9 | 816.5 | 807.1 | 797.6 | 788.1 | 782.8 |
| 30° | 830.3 | 824.7 | 819.3 | 813.7 | 808.2 | 800.3 | 790.0 | 779.6 | 769.3 | 759.0 | 752.7 |
| 32.5° | 807.1 | 800.8 | 794.6 | 788.3 | 782.0 | 773.4 | 762.5 | 751.6 | 740.7 | 729.8 | 722.9 |
| 35° | 768.1 | 761.4 | 754.8 | 748.2 | 741.6 | 732.5 | 721.1 | 709.6 | 698.2 | 686.8 | 678.9 |
| 37.5° | 728.6 | 721.2 | 713.8 | 706.5 | 699.1 | 689.4 | 677.2 | 665.0 | 652.8 | 640.6 | 631.5 |
| 40° | 703.4 | 695.3 | 687.1 | 679.1 | 671.0 | 660.4 | 647.3 | 634.2 | 621.1 | 608.0 | 598.4 |
| 42.5° | 674.9 | 666.8 | 658.6 | 650.5 | 642.5 | 631.6 | 618.1 | 604.5 | 591.0 | 577.5 | 567.0 |
| 45° | 631.2 | 623.0 | 614.7 | 606.3 | 598.0 | 586.8 | 572.6 | 558.4 | 544.2 | 530.0 | 519.5 |
| 47.5° | 587.6 | 578.5 | 569.4 | 560.3 | 551.2 | 539.6 | 525.4 | 511.1 | 496.9 | 482.8 | 471.3 |
| 50° | 555.7 | 547.1 | 538.4 | 529.7 | 521.1 | 509.3 | 494.4 | 479.4 | 464.5 | 449.6 | 438.2 |
| 52.5° | 527.2 | 517.8 | 508.4 | 499.0 | 489.6 | 477.5 | 462.7 | 448.0 | 433.2 | 418.4 | 406.5 |
| 55° | 479.4 | 470.4 | 461.4 | 452.3 | 443.3 | 430.9 | 415.3 | 399.7 | 384.0 | 368.3 | 357.6 |
| 57.5° | 435.3 | 425.5 | 415.7 | 405.8 | 395.9 | 383.2 | 367.4 | 351.6 | 335.9 | 320.2 | 310.1 |
| 60° | 404.8 | 394.7 | 384.5 | 374.4 | 364.2 | 351.5 | 336.2 | 320.9 | 305.6 | 290.3 | 280.4 |
| 62.5° | 374.2 | 364.1 | 353.9 | 343.8 | 333.7 | 321.0 | 305.7 | 290.4 | 275.1 | 259.8 | 250.4 |
| 65° | 327.6 | 317.5 | 307.4 | 297.2 | 287.1 | 274.8 | 260.5 | 246.1 | 231.7 | 217.3 | 208.3 |
| 67.5° | 281.1 | 270.8 | 260.5 | 250.3 | 240.0 | 228.0 | 214.2 | 200.4 | 186.6 | 172.9 | 166.1 |
| 70° | 250.5 | 240.6 | 230.6 | 220.6 | 210.7 | 199.2 | 186.3 | 173.5 | 160.6 | 147.7 | 141.2 |
| 72.5° | 220.0 | 210.2 | 200.3 | 190.5 | 180.8 | 170.0 | 158.3 | 146.6 | 134.8 | 123.1 | 117.8 |
| 75° | 173.3 | 164.5 | 155.7 | 146.8 | 138.0 | 128.5 | 118.4 | 108.2 | 98.1 | 87.9 | 86.1 |
| 77.5° | 130.9 | 122.9 | 114.9 | 106.9 | 98.9 | 91.7 | 85.1 | 78.6 | 72.1 | 65.5 | 64.6 |
| 80° | 103.7 | 96.1 | 88.6 | 81.0 | 73.4 | 67.7 | 63.8 | 60.0 | 56.2 | 52.3 | 51.7 |
| 82.5° | 77.8 | 71.3 | 64.7 | 58.2 | 51.7 | 47.5 | 45.7 | 43.9 | 42.1 | 40.3 | 39.8 |
| 85° | 44.0 | 39.9 | 35.9 | 31.8 | 27.7 | 25.4 | 24.9 | 24.3 | 23.8 | 23.2 | 22.9 |
| 87.5° | 16.2 | 15.0 | 13.6 | 12.5 | 11.2 | 10.7 | 11.2 | 11.6 | 12.1 | 12.6 | 12.3 |
| 90° | 1.6 | 3.2 | 4.8 | 7.1 | 8.7 | 10.3 | 12.7 | 15.1 | 17.4 | 19.8 | 19.0 |
| 92.5° | 9.8 | 14.6 | 21.2 | 27.3 | 34.0 | 45.7 | 66.4 | 100.4 | 133.8 | 121.6 | 91.7 |
| 95° | 26.9 | 29.2 | 37.9 | 51.4 | 71.9 | 102.8 | 170.0 | 287.8 | 417.5 | 468.9 | 380.3 |
| 97.5° | 45.9 | 46.7 | 53.5 | 65.1 | 85.4 | 118.7 | 183.0 | 315.8 | 532.0 | 726.7 | 777.4 |
| 100° | 58.5 | 59.3 | 64.9 | 75.9 | 94.9 | 125.7 | 181.1 | 298.1 | 506.0 | 748.8 | 904.6 |
| 102.5° | 71.8 | 73.2 | 78.1 | 88.6 | 105.7 | 134.0 | 183.6 | 282.9 | 468.1 | 707.7 | 910.9 |
| 105° | 91.7 | 94.1 | 98.9 | 108.4 | 123.3 | 147.9 | 190.6 | 272.0 | 421.4 | 635.7 | 862.7 |
| 107.5° | 112.9 | 115.3 | 119.9 | 129.2 | 143.3 | 166.0 | 203.5 | 271.2 | 391.7 | 572.2 | 778.2 |
| 110° | 128.1 | 130.5 | 134.4 | 143.1 | 156.5 | 178.7 | 214.3 | 274.4 | 380.3 | 536.1 | 725.1 |



TEST NUMBER: P332323-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 142.0 | 144.4 | 148.4 | 157.0 | 170.5 | 192.0 | 225.1 | 280.7 | 374.0 | 512.1 | 678.9 |
| 115° | 162.1 | 165.2 | 170.0 | 177.9 | 191.4 | 212.7 | 242.7 | 291.0 | 371.6 | 486.3 | 623.1 |
| 117.5° | 182.2 | 185.8 | 189.8 | 197.0 | 212.1 | 231.9 | 261.6 | 304.6 | 373.0 | 471.1 | 589.4 |
| 120° | 196.1 | 198.4 | 202.4 | 210.3 | 225.4 | 245.1 | 273.6 | 314.7 | 375.6 | 464.1 | 571.7 |
| 122.5° | 208.1 | 210.5 | 214.4 | 223.0 | 237.4 | 258.4 | 286.2 | 324.2 | 380.0 | 459.7 | 557.1 |
| 125° | 225.4 | 227.0 | 231.7 | 240.3 | 255.4 | 276.8 | 304.4 | 339.2 | 386.7 | 453.9 | 538.5 |
| 127.5° | 238.5 | 240.8 | 246.7 | 255.6 | 272.2 | 293.5 | 320.3 | 351.6 | 394.3 | 451.1 | 522.0 |
| 130° | 246.7 | 249.1 | 256.2 | 265.7 | 282.3 | 303.6 | 329.7 | 359.8 | 399.3 | 449.2 | 513.2 |
| 132.5° | 253.0 | 256.0 | 263.8 | 275.2 | 291.8 | 312.5 | 337.9 | 367.4 | 403.1 | 448.5 | 504.9 |
| 135° | 264.1 | 267.3 | 276.0 | 287.8 | 304.4 | 325.7 | 350.3 | 377.2 | 408.8 | 447.6 | 494.2 |
| 137.5° | 274.6 | 277.9 | 286.4 | 299.0 | 315.5 | 335.3 | 358.9 | 384.4 | 412.6 | 445.8 | 484.9 |
| 140° | 281.5 | 285.4 | 293.3 | 306.0 | 321.9 | 341.6 | 364.6 | 388.2 | 415.1 | 445.2 | 479.2 |
| 142.5° | 289.1 | 292.4 | 301.0 | 312.4 | 328.1 | 346.7 | 369.0 | 392.1 | 417.0 | 443.9 | 474.1 |
| 145° | 301.3 | 303.6 | 310.8 | 322.7 | 336.0 | 354.3 | 374.8 | 396.2 | 418.3 | 442.0 | 467.3 |
| 147.5° | 313.6 | 315.1 | 322.0 | 332.2 | 345.2 | 360.8 | 379.5 | 398.7 | 418.3 | 439.0 | 460.7 |
| 150° | 321.9 | 322.7 | 328.9 | 339.2 | 350.3 | 364.6 | 382.7 | 399.3 | 418.3 | 436.5 | 456.2 |
| 152.5° | 330.0 | 330.2 | 336.5 | 345.5 | 355.4 | 369.0 | 384.6 | 400.6 | 416.4 | 433.3 | 451.2 |
| 155° | 342.4 | 342.4 | 347.1 | 355.1 | 363.8 | 374.8 | 388.2 | 400.9 | 414.3 | 427.8 | 443.6 |
| 157.5° | 352.2 | 352.8 | 356.6 | 363.6 | 371.0 | 379.5 | 390.3 | 401.7 | 411.7 | 422.9 | 435.1 |
| 160° | 359.8 | 359.8 | 363.0 | 369.2 | 374.8 | 382.7 | 392.2 | 401.7 | 410.4 | 419.1 | 429.4 |
| 162.5° | 365.5 | 365.5 | 368.0 | 373.0 | 378.0 | 384.6 | 392.8 | 401.1 | 407.9 | 415.3 | 423.7 |
| 165° | 374.0 | 373.2 | 374.8 | 378.7 | 381.9 | 387.5 | 393.8 | 399.3 | 404.1 | 409.6 | 415.9 |
| 167.5° | 380.5 | 379.5 | 380.3 | 383.3 | 385.6 | 389.0 | 393.6 | 398.1 | 400.3 | 403.9 | 408.5 |
| 170° | 384.3 | 382.7 | 383.5 | 385.9 | 387.5 | 389.0 | 393.0 | 396.2 | 397.8 | 400.1 | 404.1 |
| 172.5° | 386.8 | 385.9 | 386.0 | 387.8 | 388.7 | 389.7 | 393.0 | 395.5 | 395.9 | 397.0 | 399.7 |
| 175° | 389.8 | 389.0 | 388.2 | 389.8 | 389.8 | 390.6 | 392.2 | 393.8 | 393.0 | 393.0 | 394.6 |
| 177.5° | 391.3 | 390.6 | 390.0 | 390.6 | 390.6 | 390.6 | 391.3 | 392.5 | 391.3 | 390.6 | 391.3 |
| 180° | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 |



TEST NUMBER: P332323-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 | 1022.8 |
| 2.5° | 1018.7 | 1020.3 | 1021.9 | 1022.6 | 1022.3 | 1022.0 | 1021.7 | 1021.4 |
| 5° | 1011.9 | 1013.6 | 1015.3 | 1015.9 | 1015.6 | 1015.2 | 1014.8 | 1014.5 |
| 7.5° | 997.8 | 998.6 | 999.6 | 999.7 | 999.1 | 998.5 | 997.8 | 997.2 |
| 10° | 985.0 | 985.2 | 985.3 | 985.0 | 984.0 | 983.1 | 982.2 | 981.3 |
| 12.5° | 969.1 | 969.0 | 968.9 | 968.3 | 967.3 | 966.1 | 965.1 | 964.0 |
| 15° | 941.3 | 940.3 | 939.4 | 938.3 | 937.1 | 935.7 | 934.5 | 933.2 |
| 17.5° | 908.0 | 906.1 | 904.1 | 902.2 | 900.2 | 898.3 | 896.4 | 894.5 |
| 20° | 885.3 | 882.8 | 880.4 | 878.1 | 875.9 | 873.7 | 871.5 | 869.3 |
| 22.5° | 860.9 | 857.9 | 854.8 | 852.3 | 850.2 | 848.2 | 846.1 | 844.1 |
| 25° | 820.9 | 817.1 | 813.2 | 810.2 | 808.2 | 806.1 | 804.1 | 802.1 |
| 27.5° | 777.4 | 772.1 | 766.7 | 762.4 | 759.3 | 756.2 | 753.1 | 750.0 |
| 30° | 746.5 | 740.1 | 733.9 | 729.3 | 726.4 | 723.4 | 720.4 | 717.5 |
| 32.5° | 716.1 | 709.2 | 702.3 | 697.4 | 694.3 | 691.2 | 688.1 | 685.0 |
| 35° | 671.0 | 663.1 | 655.1 | 649.5 | 646.2 | 642.9 | 639.5 | 636.2 |
| 37.5° | 622.5 | 613.5 | 604.5 | 598.0 | 593.9 | 589.8 | 585.7 | 581.6 |
| 40° | 588.8 | 579.2 | 569.7 | 562.8 | 558.5 | 554.3 | 550.0 | 545.8 |
| 42.5° | 556.5 | 546.1 | 535.6 | 528.5 | 524.7 | 520.9 | 517.1 | 513.3 |
| 45° | 509.1 | 498.5 | 488.0 | 480.5 | 476.1 | 471.7 | 467.3 | 462.9 |
| 47.5° | 459.9 | 448.5 | 437.0 | 429.4 | 425.4 | 421.4 | 417.6 | 413.6 |
| 50° | 426.7 | 415.3 | 403.9 | 396.0 | 391.8 | 387.5 | 383.3 | 379.1 |
| 52.5° | 394.7 | 382.8 | 370.9 | 363.1 | 359.3 | 355.5 | 351.6 | 347.8 |
| 55° | 346.9 | 336.2 | 325.5 | 318.3 | 314.7 | 310.9 | 307.3 | 303.6 |
| 57.5° | 300.0 | 289.9 | 279.8 | 273.1 | 270.1 | 266.9 | 263.7 | 260.6 |
| 60° | 270.4 | 260.5 | 250.5 | 244.0 | 240.8 | 237.7 | 234.6 | 231.4 |
| 62.5° | 241.1 | 231.7 | 222.4 | 216.0 | 212.7 | 209.5 | 206.2 | 202.9 |
| 65° | 199.2 | 190.2 | 181.2 | 175.6 | 173.6 | 171.6 | 169.6 | 167.5 |
| 67.5° | 159.4 | 152.7 | 145.8 | 141.4 | 139.3 | 137.0 | 134.9 | 132.7 |
| 70° | 134.8 | 128.3 | 121.8 | 117.6 | 115.6 | 113.5 | 111.5 | 109.5 |
| 72.5° | 112.6 | 107.3 | 102.0 | 98.9 | 98.1 | 97.3 | 96.4 | 95.5 |
| 75° | 84.2 | 82.4 | 80.6 | 79.5 | 79.1 | 78.7 | 78.3 | 78.0 |
| 77.5° | 63.5 | 62.5 | 61.6 | 60.8 | 60.5 | 60.1 | 59.7 | 59.4 |
| 80° | 51.2 | 50.6 | 50.1 | 49.6 | 49.2 | 48.9 | 48.5 | 48.1 |
| 82.5° | 39.2 | 38.7 | 38.1 | 37.8 | 37.7 | 37.6 | 37.5 | 37.5 |
| 85° | 22.5 | 22.1 | 21.8 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 |
| 87.5° | 12.3 | 12.3 | 12.3 | 12.4 | 12.2 | 12.2 | 12.2 | 11.9 |
| 90° | 19.8 | 20.6 | 21.4 | 22.9 | 22.1 | 22.9 | 23.7 | 22.9 |
| 92.5° | 66.5 | 52.8 | 46.7 | 42.5 | 41.1 | 38.7 | 39.5 | 38.1 |
| 95° | 284.6 | 193.0 | 151.1 | 122.6 | 107.6 | 100.4 | 94.9 | 91.7 |
| 97.5° | 709.6 | 568.4 | 466.4 | 371.8 | 313.5 | 277.9 | 256.5 | 249.7 |
| 100° | 932.3 | 868.2 | 775.7 | 663.5 | 583.6 | 525.9 | 495.0 | 495.8 |
| 102.5° | 1006.3 | 1004.2 | 950.3 | 879.2 | 817.0 | 771.3 | 745.5 | 727.3 |
| 105° | 1027.9 | 1107.1 | 1122.0 | 1101.5 | 1065.1 | 1035.1 | 1009.8 | 1005.8 |
| 107.5° | 965.7 | 1094.1 | 1163.3 | 1191.5 | 1192.2 | 1182.0 | 1173.5 | 1166.2 |
| 110° | 906.2 | 1051.7 | 1151.3 | 1206.7 | 1228.8 | 1235.2 | 1233.6 | 1232.0 |



TEST NUMBER: P332323-927

CATALOG NUMBER: S123RDIP-S775D1025U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 847.3 | 996.0 | 1107.6 | 1178.8 | 1219.3 | 1238.9 | 1244.9 | 1245.2 |
| 115° | 769.4 | 907.0 | 1023.2 | 1109.4 | 1168.7 | 1203.5 | 1219.3 | 1223.3 |
| 117.5° | 713.0 | 831.7 | 936.0 | 1023.5 | 1085.4 | 1125.2 | 1148.0 | 1153.3 |
| 120° | 683.2 | 790.0 | 884.9 | 964.7 | 1027.1 | 1071.4 | 1090.4 | 1095.2 |
| 122.5° | 659.8 | 756.5 | 844.4 | 918.5 | 974.1 | 1013.9 | 1034.7 | 1040.8 |
| 125° | 628.7 | 714.9 | 790.8 | 854.0 | 904.6 | 939.4 | 959.2 | 964.7 |
| 127.5° | 601.4 | 678.3 | 746.8 | 804.3 | 849.4 | 879.2 | 897.0 | 902.1 |
| 130° | 584.4 | 655.5 | 719.5 | 773.3 | 815.2 | 843.8 | 860.3 | 866.6 |
| 132.5° | 568.5 | 634.0 | 693.6 | 744.9 | 784.3 | 812.7 | 827.4 | 831.9 |
| 135° | 547.2 | 603.3 | 654.7 | 699.8 | 738.6 | 762.2 | 776.5 | 782.0 |
| 137.5° | 527.8 | 573.8 | 618.1 | 657.1 | 689.7 | 713.8 | 725.7 | 729.4 |
| 140° | 516.3 | 556.7 | 594.6 | 628.7 | 658.7 | 680.8 | 693.5 | 692.7 |
| 142.5° | 505.6 | 540.3 | 573.1 | 602.7 | 628.4 | 647.9 | 659.3 | 658.5 |
| 145° | 492.7 | 518.7 | 544.0 | 567.0 | 586.7 | 603.3 | 609.7 | 611.2 |
| 147.5° | 482.0 | 502.7 | 523.2 | 539.5 | 554.4 | 565.7 | 571.7 | 572.4 |
| 150° | 474.4 | 492.7 | 509.2 | 524.3 | 536.1 | 544.8 | 549.5 | 549.5 |
| 152.5° | 467.5 | 483.2 | 497.9 | 510.3 | 519.7 | 527.8 | 530.6 | 530.6 |
| 155° | 457.0 | 469.7 | 481.6 | 491.1 | 498.2 | 504.5 | 506.0 | 506.8 |
| 157.5° | 446.0 | 456.5 | 465.7 | 473.2 | 479.3 | 484.1 | 485.4 | 485.2 |
| 160° | 439.7 | 448.4 | 456.2 | 461.8 | 467.3 | 472.1 | 472.1 | 471.3 |
| 162.5° | 432.1 | 439.5 | 446.8 | 451.7 | 455.3 | 459.4 | 459.4 | 458.6 |
| 165° | 422.2 | 427.0 | 432.5 | 436.5 | 439.7 | 442.8 | 442.0 | 442.0 |
| 167.5° | 413.7 | 417.3 | 420.5 | 423.3 | 424.8 | 427.0 | 426.2 | 426.2 |
| 170° | 408.1 | 410.4 | 413.5 | 415.1 | 415.9 | 417.5 | 416.7 | 416.7 |
| 172.5° | 403.0 | 404.7 | 407.3 | 408.2 | 408.4 | 410.0 | 408.5 | 407.9 |
| 175° | 396.2 | 397.0 | 398.5 | 398.5 | 398.5 | 399.3 | 398.5 | 397.8 |
| 177.5° | 391.9 | 392.5 | 393.2 | 393.2 | 392.5 | 393.2 | 391.9 | 391.9 |
| 180° | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 | 390.6 |

(END OF REPORT)