

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: P331370-927

Luminaire Tested: **S122DIP-S675D1080U927-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331370-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S675D1080U927-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1080 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5182.2 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

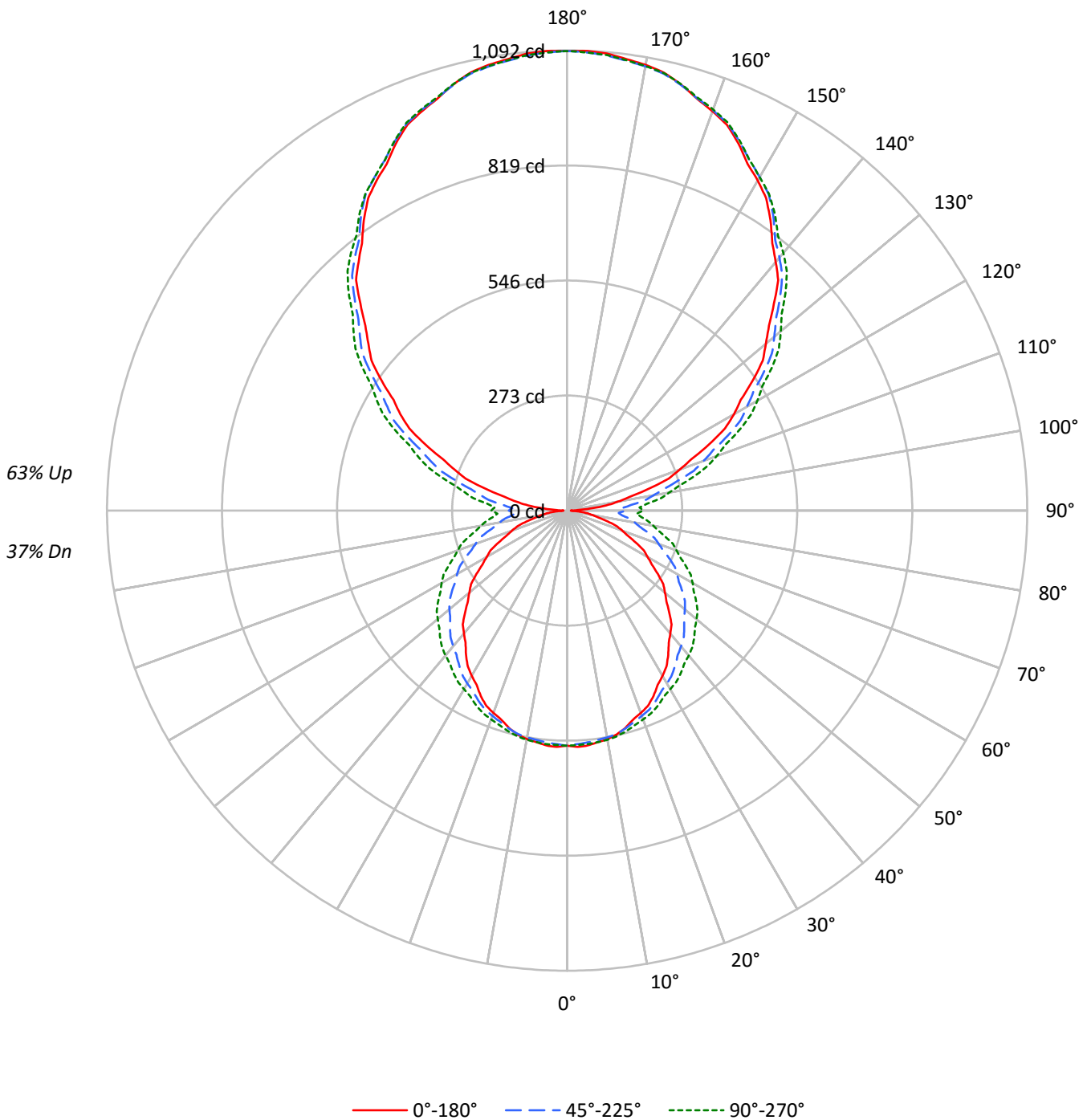
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331370-927

CATALOG NUMBER: S122DIP-S675D1080U927-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331370-927

CATALOG NUMBER: S122DIP-S675D1080U927-4F0-1E-UDD-D1

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 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 59 | 59 | 59 | 44 | 44 | 44 | 37 |
| 1 | 94 | 89 | 85 | 81 | 85 | 81 | 77 | 74 | 65 | 62 | 60 | 50 | 49 | 47 | 37 | 36 | 35 | 29 |
| 2 | 85 | 77 | 71 | 65 | 76 | 70 | 64 | 59 | 56 | 52 | 49 | 43 | 41 | 38 | 32 | 30 | 28 | 23 |
| 3 | 77 | 67 | 60 | 54 | 69 | 61 | 54 | 49 | 49 | 44 | 40 | 38 | 35 | 32 | 28 | 26 | 24 | 19 |
| 4 | 70 | 59 | 51 | 45 | 63 | 54 | 47 | 41 | 43 | 38 | 34 | 34 | 30 | 27 | 25 | 22 | 20 | 16 |
| 5 | 64 | 53 | 44 | 38 | 58 | 48 | 40 | 35 | 39 | 33 | 29 | 30 | 26 | 23 | 22 | 19 | 17 | 14 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 35 | 30 | 35 | 29 | 25 | 27 | 23 | 20 | 20 | 17 | 15 | 12 |
| 7 | 55 | 42 | 34 | 29 | 49 | 38 | 31 | 26 | 31 | 26 | 22 | 24 | 21 | 18 | 18 | 15 | 13 | 10 |
| 8 | 50 | 38 | 30 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 16 | 17 | 14 | 12 | 9 |
| 9 | 47 | 35 | 27 | 22 | 42 | 32 | 25 | 20 | 26 | 21 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 8 |
| 10 | 44 | 32 | 24 | 20 | 39 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 12 | 14 | 11 | 10 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9009 | 9009 | 9009 |
| 5° | 9053 | 8672 | 8638 |
| 10° | 8996 | 8417 | 8321 |
| 15° | 8873 | 8146 | 7988 |
| 20° | 8716 | 7854 | 7665 |
| 25° | 8561 | 7573 | 7372 |
| 30° | 8343 | 7286 | 7079 |
| 35° | 8122 | 7007 | 6870 |
| 40° | 7890 | 6771 | 6665 |
| 45° | 7670 | 6558 | 6488 |
| 50° | 7431 | 6366 | 6313 |
| 55° | 7184 | 6161 | 6135 |
| 60° | 6882 | 5948 | 5948 |
| 65° | 6564 | 5697 | 5724 |
| 70° | 6211 | 5427 | 5485 |
| 75° | 5759 | 5163 | 5263 |
| 80° | 5048 | 4895 | 5040 |
| 85° | 4369 | 4658 | 4864 |



TEST NUMBER: P331370-927

CATALOG NUMBER: S122DIP-S675D1080U927-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.9 | 1.0 |
| 10°-20° | 151.6 | 2.9 |
| 20°-30° | 229.8 | 4.4 |
| 30°-40° | 279.8 | 5.4 |
| 40°-50° | 301.1 | 5.8 |
| 50°-60° | 292.4 | 5.6 |
| 60°-70° | 255.3 | 4.9 |
| 70°-80° | 196.5 | 3.8 |
| 80°-90° | 136.2 | 2.6 |
| 90°-100° | 160.0 | 3.1 |
| 100°-110° | 280.9 | 5.4 |
| 110°-120° | 410.6 | 7.9 |
| 120°-130° | 506.8 | 9.8 |
| 130°-140° | 551.7 | 10.6 |
| 140°-150° | 532.7 | 10.3 |
| 150°-160° | 445.3 | 8.6 |
| 160°-170° | 295.3 | 5.7 |
| 170°-180° | 103.2 | 2.0 |
| 0°-30° | 434.3 | 8.4 |
| 0°-40° | 714.1 | 13.8 |
| 0°-60° | 1307.5 | 25.2 |
| 0°-90° | 1895.6 | 36.6 |
| 90°-120° | 851.6 | 16.4 |
| 90°-150° | 2442.7 | 47.1 |
| 90°-180° | 3287.0 | 63.4 |
| 0°-180° | 5182.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 558 | 558 | 558 | 558 | 558 | |
| 5° | 560 | 557 | 552 | 557 | 556 | 53 |
| 15° | 534 | 535 | 535 | 542 | 542 | 150 |
| 25° | 485 | 491 | 498 | 507 | 510 | 223 |
| 35° | 418 | 432 | 447 | 464 | 471 | 261 |
| 45° | 343 | 365 | 393 | 417 | 426 | 265 |
| 55° | 263 | 293 | 334 | 362 | 374 | 235 |
| 65° | 180 | 220 | 267 | 299 | 310 | 178 |
| 75° | 100 | 145 | 196 | 230 | 242 | 105 |
| 85° | 29 | 79 | 131 | 164 | 176 | 31 |
| 90° | 9 | 68 | 139 | 168 | 180 | 8 |
| 95° | 54 | 102 | 152 | 181 | 190 | 60 |
| 105° | 202 | 229 | 272 | 301 | 311 | 214 |
| 115° | 371 | 387 | 420 | 443 | 450 | 367 |
| 125° | 537 | 546 | 568 | 587 | 594 | 480 |
| 135° | 694 | 704 | 714 | 729 | 734 | 536 |
| 145° | 841 | 847 | 853 | 858 | 859 | 525 |
| 155° | 962 | 964 | 967 | 971 | 969 | 442 |
| 165° | 1046 | 1045 | 1045 | 1051 | 1047 | 295 |
| 175° | 1089 | 1086 | 1084 | 1090 | 1085 | 103 |
| 180° | 1090 | 1090 | 1090 | 1090 | 1090 | |



TEST NUMBER: P331370-927

CATALOG NUMBER: S122DIP-S675D1080U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 |
| 2.5° | 561.3 | 560.8 | 560.4 | 559.9 | 559.5 | 558.8 | 557.8 | 556.7 | 555.8 | 554.8 | 555.5 |
| 5° | 559.6 | 559.0 | 558.6 | 558.0 | 557.5 | 556.7 | 555.6 | 554.5 | 553.4 | 552.3 | 553.4 |
| 7.5° | 554.6 | 554.2 | 553.9 | 553.5 | 553.2 | 552.5 | 551.8 | 550.9 | 550.1 | 549.3 | 550.6 |
| 10° | 550.7 | 550.3 | 550.0 | 549.6 | 549.3 | 548.8 | 548.3 | 547.8 | 547.2 | 546.7 | 548.1 |
| 12.5° | 544.2 | 544.3 | 544.4 | 544.5 | 544.5 | 544.4 | 544.0 | 543.6 | 543.2 | 542.8 | 544.2 |
| 15° | 533.8 | 534.1 | 534.5 | 534.8 | 535.2 | 535.4 | 535.4 | 535.4 | 535.4 | 535.4 | 536.9 |
| 17.5° | 520.1 | 520.9 | 521.7 | 522.4 | 523.2 | 523.9 | 524.4 | 525.0 | 525.5 | 526.2 | 527.8 |
| 20° | 511.1 | 512.0 | 512.9 | 513.8 | 514.7 | 515.5 | 516.2 | 517.0 | 517.7 | 518.4 | 520.4 |
| 22.5° | 501.4 | 502.4 | 503.5 | 504.5 | 505.6 | 506.6 | 507.6 | 508.6 | 509.6 | 510.6 | 512.6 |
| 25° | 485.2 | 486.5 | 487.7 | 489.0 | 490.3 | 491.7 | 493.3 | 495.0 | 496.5 | 498.1 | 500.3 |
| 27.5° | 465.8 | 467.9 | 469.9 | 472.0 | 474.0 | 476.0 | 477.9 | 479.8 | 481.7 | 483.6 | 486.3 |
| 30° | 452.9 | 455.2 | 457.6 | 459.9 | 462.2 | 464.5 | 466.9 | 469.2 | 471.6 | 473.9 | 476.7 |
| 32.5° | 438.6 | 441.2 | 443.9 | 446.5 | 449.2 | 451.9 | 454.6 | 457.3 | 460.1 | 462.9 | 466.2 |
| 35° | 418.1 | 421.1 | 424.2 | 427.2 | 430.3 | 433.6 | 437.0 | 440.4 | 443.8 | 447.2 | 451.1 |
| 37.5° | 395.8 | 399.3 | 402.8 | 406.3 | 409.9 | 413.8 | 418.3 | 422.7 | 427.1 | 431.5 | 435.9 |
| 40° | 380.9 | 384.8 | 388.8 | 392.8 | 396.7 | 401.1 | 406.0 | 410.8 | 415.7 | 420.5 | 425.2 |
| 42.5° | 366.7 | 370.6 | 374.5 | 378.5 | 382.5 | 387.2 | 392.8 | 398.4 | 403.9 | 409.6 | 414.6 |
| 45° | 342.9 | 347.8 | 352.6 | 357.4 | 362.3 | 367.9 | 374.1 | 380.5 | 386.7 | 393.0 | 398.6 |
| 47.5° | 319.4 | 324.7 | 330.0 | 335.3 | 340.6 | 346.9 | 354.3 | 361.6 | 369.0 | 376.4 | 382.2 |
| 50° | 303.2 | 308.9 | 314.4 | 320.0 | 325.5 | 332.4 | 340.5 | 348.6 | 356.6 | 364.7 | 370.8 |
| 52.5° | 287.7 | 293.6 | 299.4 | 305.3 | 311.2 | 318.4 | 326.9 | 335.4 | 343.9 | 352.4 | 358.7 |
| 55° | 262.8 | 269.3 | 275.8 | 282.3 | 288.7 | 296.6 | 305.9 | 315.3 | 324.6 | 334.0 | 340.5 |
| 57.5° | 238.2 | 245.6 | 252.9 | 260.2 | 267.4 | 275.8 | 285.3 | 294.9 | 304.4 | 313.9 | 320.9 |
| 60° | 220.8 | 228.5 | 236.2 | 244.0 | 251.7 | 260.7 | 270.9 | 281.1 | 291.4 | 301.7 | 308.5 |
| 62.5° | 205.3 | 213.3 | 221.3 | 229.3 | 237.3 | 246.4 | 256.7 | 266.9 | 277.2 | 287.4 | 294.7 |
| 65° | 179.5 | 188.3 | 197.2 | 206.0 | 214.8 | 224.4 | 235.0 | 245.7 | 256.3 | 266.9 | 274.3 |
| 67.5° | 155.9 | 165.1 | 174.4 | 183.5 | 192.7 | 202.7 | 213.6 | 224.4 | 235.3 | 246.1 | 253.6 |
| 70° | 139.1 | 148.5 | 157.8 | 167.2 | 176.5 | 186.7 | 197.9 | 209.0 | 220.1 | 231.3 | 239.0 |
| 72.5° | 123.6 | 133.2 | 142.8 | 152.5 | 162.1 | 172.5 | 183.9 | 195.1 | 206.4 | 217.7 | 225.3 |
| 75° | 99.5 | 109.6 | 119.6 | 129.7 | 139.7 | 150.5 | 162.0 | 173.5 | 185.0 | 196.5 | 204.2 |
| 77.5° | 76.2 | 86.7 | 97.3 | 107.7 | 118.3 | 129.4 | 141.1 | 152.8 | 164.5 | 176.1 | 183.9 |
| 80° | 60.7 | 71.6 | 82.5 | 93.6 | 104.5 | 115.8 | 127.5 | 139.2 | 150.8 | 162.6 | 170.1 |
| 82.5° | 47.7 | 58.5 | 69.3 | 80.2 | 91.0 | 102.3 | 114.2 | 126.0 | 137.8 | 149.6 | 157.2 |
| 85° | 29.2 | 40.2 | 51.4 | 62.5 | 73.7 | 85.0 | 96.5 | 108.0 | 119.5 | 131.0 | 138.6 |
| 87.5° | 16.0 | 27.3 | 38.4 | 49.7 | 60.8 | 72.6 | 85.1 | 97.4 | 109.9 | 122.2 | 129.5 |
| 90° | 9.0 | 21.9 | 34.8 | 47.6 | 60.5 | 74.9 | 90.9 | 106.9 | 122.9 | 138.9 | 145.8 |
| 92.5° | 23.8 | 35.3 | 46.8 | 58.3 | 69.9 | 81.7 | 93.8 | 105.9 | 118.0 | 130.2 | 137.3 |
| 95° | 54.3 | 64.8 | 75.3 | 85.8 | 96.3 | 107.1 | 118.4 | 129.5 | 140.7 | 151.9 | 158.8 |
| 97.5° | 93.1 | 102.4 | 111.7 | 121.0 | 130.3 | 140.5 | 151.7 | 162.8 | 174.0 | 185.1 | 191.7 |
| 100° | 122.6 | 130.8 | 139.1 | 147.3 | 155.7 | 165.2 | 175.8 | 186.5 | 197.2 | 207.9 | 214.5 |
| 102.5° | 152.8 | 160.2 | 167.5 | 174.9 | 182.4 | 191.3 | 201.8 | 212.4 | 222.9 | 233.5 | 240.2 |
| 105° | 201.8 | 207.7 | 213.6 | 219.4 | 225.2 | 233.0 | 242.7 | 252.5 | 262.2 | 272.0 | 278.7 |
| 107.5° | 252.2 | 257.2 | 262.3 | 267.4 | 272.4 | 279.4 | 288.4 | 297.3 | 306.3 | 315.2 | 321.5 |
| 110° | 283.9 | 288.8 | 293.5 | 298.3 | 303.2 | 310.0 | 318.8 | 327.6 | 336.4 | 345.2 | 350.9 |



TEST NUMBER: P331370-927

CATALOG NUMBER: S122DIP-S675D1080U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 319.2 | 323.4 | 327.7 | 332.0 | 336.2 | 342.5 | 350.6 | 358.9 | 367.1 | 375.3 | 380.6 |
| 115° | 371.3 | 374.5 | 377.7 | 380.9 | 384.1 | 389.6 | 397.3 | 404.9 | 412.6 | 420.3 | 425.5 |
| 117.5° | 422.4 | 425.3 | 428.3 | 431.2 | 434.1 | 438.7 | 445.0 | 451.4 | 457.7 | 464.1 | 468.9 |
| 120° | 457.0 | 459.4 | 461.7 | 464.1 | 466.4 | 470.4 | 475.9 | 481.5 | 487.0 | 492.6 | 497.6 |
| 122.5° | 488.6 | 490.9 | 493.1 | 495.4 | 497.6 | 501.6 | 507.2 | 512.8 | 518.4 | 524.0 | 528.5 |
| 125° | 537.2 | 539.0 | 540.8 | 542.7 | 544.5 | 548.0 | 553.2 | 558.3 | 563.4 | 568.5 | 572.8 |
| 127.5° | 585.2 | 587.3 | 589.5 | 591.7 | 593.8 | 596.8 | 600.7 | 604.6 | 608.6 | 612.4 | 616.2 |
| 130° | 615.4 | 617.8 | 620.4 | 622.8 | 625.3 | 628.2 | 631.6 | 634.9 | 638.3 | 641.7 | 645.5 |
| 132.5° | 649.3 | 651.3 | 653.2 | 655.2 | 657.2 | 659.7 | 662.7 | 665.7 | 668.7 | 671.7 | 674.9 |
| 135° | 693.7 | 695.9 | 698.2 | 700.4 | 702.7 | 705.0 | 707.1 | 709.3 | 711.5 | 713.8 | 717.3 |
| 137.5° | 741.4 | 743.1 | 745.0 | 746.8 | 748.6 | 750.1 | 751.5 | 752.8 | 754.2 | 755.4 | 758.6 |
| 140° | 770.1 | 771.7 | 773.4 | 775.1 | 776.7 | 778.2 | 779.7 | 781.0 | 782.4 | 783.8 | 786.6 |
| 142.5° | 799.5 | 801.2 | 802.9 | 804.5 | 806.2 | 807.4 | 808.2 | 808.9 | 809.7 | 810.5 | 812.9 |
| 145° | 841.1 | 842.5 | 843.9 | 845.3 | 846.8 | 848.1 | 849.3 | 850.6 | 851.8 | 853.0 | 854.3 |
| 147.5° | 878.8 | 880.5 | 882.2 | 883.9 | 885.7 | 886.9 | 887.7 | 888.6 | 889.4 | 890.2 | 890.8 |
| 150° | 904.5 | 905.8 | 907.0 | 908.2 | 909.4 | 910.5 | 911.3 | 912.1 | 912.9 | 913.8 | 914.3 |
| 152.5° | 927.3 | 928.6 | 929.8 | 931.1 | 932.2 | 933.3 | 934.4 | 935.3 | 936.4 | 937.3 | 938.1 |
| 155° | 961.6 | 962.2 | 962.8 | 963.5 | 964.1 | 964.6 | 965.3 | 965.9 | 966.5 | 967.1 | 968.1 |
| 157.5° | 990.9 | 991.3 | 991.7 | 992.0 | 992.5 | 992.8 | 993.2 | 993.6 | 994.0 | 994.3 | 995.8 |
| 160° | 1008.5 | 1008.9 | 1009.3 | 1009.7 | 1010.2 | 1010.4 | 1010.7 | 1010.9 | 1011.1 | 1011.3 | 1012.5 |
| 162.5° | 1024.7 | 1024.8 | 1024.8 | 1024.9 | 1025.1 | 1025.2 | 1025.4 | 1025.6 | 1025.8 | 1026.0 | 1027.4 |
| 165° | 1046.2 | 1046.1 | 1045.8 | 1045.6 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1046.8 |
| 167.5° | 1064.3 | 1063.7 | 1063.0 | 1062.5 | 1061.8 | 1061.5 | 1061.4 | 1061.4 | 1061.4 | 1061.4 | 1062.8 |
| 170° | 1073.9 | 1073.2 | 1072.6 | 1072.0 | 1071.4 | 1071.0 | 1070.8 | 1070.6 | 1070.4 | 1070.2 | 1071.6 |
| 172.5° | 1080.5 | 1079.9 | 1079.3 | 1078.6 | 1078.0 | 1077.6 | 1077.4 | 1077.2 | 1077.0 | 1076.8 | 1078.2 |
| 175° | 1088.6 | 1088.0 | 1087.3 | 1086.7 | 1086.2 | 1085.6 | 1085.2 | 1084.8 | 1084.4 | 1083.9 | 1085.4 |
| 177.5° | 1091.9 | 1091.4 | 1090.9 | 1090.4 | 1090.0 | 1089.5 | 1089.2 | 1088.9 | 1088.5 | 1088.2 | 1089.2 |
| 180° | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 |



TEST NUMBER: P331370-927

CATALOG NUMBER: S122DIP-S675D1080U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 |
| 2.5° | 556.2 | 556.9 | 557.6 | 557.9 | 557.5 | 557.3 | 557.0 | 556.7 |
| 5° | 554.5 | 555.6 | 556.7 | 557.1 | 556.9 | 556.7 | 556.6 | 556.3 |
| 7.5° | 551.8 | 553.2 | 554.4 | 555.0 | 554.8 | 554.6 | 554.4 | 554.3 |
| 10° | 549.5 | 551.0 | 552.5 | 553.0 | 552.9 | 552.7 | 552.5 | 552.3 |
| 12.5° | 545.7 | 547.1 | 548.6 | 549.1 | 549.0 | 548.8 | 548.7 | 548.4 |
| 15° | 538.6 | 540.2 | 541.9 | 542.6 | 542.4 | 542.2 | 542.0 | 541.9 |
| 17.5° | 529.5 | 531.2 | 532.9 | 533.8 | 533.8 | 533.8 | 533.8 | 533.8 |
| 20° | 522.4 | 524.3 | 526.2 | 527.3 | 527.3 | 527.3 | 527.3 | 527.3 |
| 22.5° | 514.6 | 516.6 | 518.5 | 519.7 | 519.9 | 520.2 | 520.5 | 520.8 |
| 25° | 502.5 | 504.6 | 506.8 | 508.1 | 508.7 | 509.2 | 509.8 | 510.3 |
| 27.5° | 489.1 | 491.8 | 494.6 | 496.1 | 496.5 | 496.9 | 497.3 | 497.6 |
| 30° | 479.7 | 482.5 | 485.4 | 487.1 | 487.7 | 488.2 | 488.7 | 489.3 |
| 32.5° | 469.5 | 472.9 | 476.1 | 478.2 | 479.3 | 480.2 | 481.2 | 482.1 |
| 35° | 455.1 | 459.1 | 463.0 | 465.6 | 466.9 | 468.2 | 469.4 | 470.6 |
| 37.5° | 440.3 | 444.7 | 449.1 | 451.9 | 453.3 | 454.6 | 455.9 | 457.2 |
| 40° | 429.8 | 434.5 | 439.2 | 442.4 | 443.9 | 445.6 | 447.2 | 448.9 |
| 42.5° | 419.7 | 424.8 | 429.9 | 433.3 | 434.9 | 436.6 | 438.2 | 439.7 |
| 45° | 404.2 | 409.7 | 415.3 | 419.0 | 420.8 | 422.6 | 424.4 | 426.2 |
| 47.5° | 388.0 | 393.9 | 399.7 | 403.5 | 405.5 | 407.5 | 409.5 | 411.5 |
| 50° | 376.9 | 383.0 | 389.2 | 393.2 | 395.2 | 397.2 | 399.1 | 401.1 |
| 52.5° | 365.0 | 371.2 | 377.5 | 381.7 | 383.7 | 385.9 | 388.0 | 390.1 |
| 55° | 346.9 | 353.4 | 359.9 | 364.2 | 366.6 | 368.9 | 371.3 | 373.6 |
| 57.5° | 327.9 | 334.9 | 341.8 | 346.5 | 348.9 | 351.3 | 353.6 | 356.0 |
| 60° | 315.3 | 322.1 | 329.0 | 333.7 | 336.1 | 338.7 | 341.2 | 343.7 |
| 62.5° | 301.9 | 309.2 | 316.5 | 321.3 | 323.6 | 326.0 | 328.4 | 330.7 |
| 65° | 281.6 | 289.0 | 296.4 | 301.2 | 303.6 | 305.9 | 308.2 | 310.5 |
| 67.5° | 261.0 | 268.5 | 275.9 | 280.9 | 283.3 | 285.7 | 288.2 | 290.7 |
| 70° | 246.8 | 254.4 | 262.2 | 267.1 | 269.3 | 271.5 | 273.6 | 275.8 |
| 72.5° | 232.9 | 240.4 | 248.0 | 253.1 | 255.7 | 258.3 | 260.9 | 263.5 |
| 75° | 212.0 | 219.7 | 227.4 | 232.4 | 234.8 | 237.1 | 239.5 | 241.8 |
| 77.5° | 191.5 | 199.2 | 206.9 | 212.0 | 214.5 | 217.1 | 219.5 | 222.0 |
| 80° | 177.6 | 185.2 | 192.7 | 197.8 | 200.3 | 202.8 | 205.3 | 207.9 |
| 82.5° | 164.7 | 172.2 | 179.8 | 184.7 | 187.1 | 189.5 | 191.9 | 194.2 |
| 85° | 146.1 | 153.7 | 161.2 | 166.2 | 168.7 | 171.3 | 173.8 | 176.3 |
| 87.5° | 136.7 | 144.0 | 151.2 | 156.1 | 158.4 | 160.7 | 163.0 | 165.4 |
| 90° | 152.5 | 159.3 | 166.0 | 170.6 | 173.0 | 175.4 | 177.8 | 180.1 |
| 92.5° | 144.4 | 151.5 | 158.7 | 163.3 | 165.6 | 167.8 | 169.9 | 172.1 |
| 95° | 165.6 | 172.4 | 179.2 | 183.5 | 185.2 | 187.0 | 188.8 | 190.5 |
| 97.5° | 198.4 | 205.0 | 211.7 | 216.0 | 218.1 | 220.1 | 222.3 | 224.3 |
| 100° | 221.2 | 227.8 | 234.5 | 238.7 | 240.4 | 242.2 | 244.0 | 245.7 |
| 102.5° | 246.8 | 253.5 | 260.2 | 264.4 | 266.2 | 267.9 | 269.7 | 271.5 |
| 105° | 285.4 | 292.1 | 298.8 | 303.1 | 305.1 | 307.0 | 309.0 | 311.0 |
| 107.5° | 327.6 | 333.8 | 340.0 | 343.6 | 344.7 | 345.7 | 346.7 | 347.8 |
| 110° | 356.7 | 362.5 | 368.2 | 371.8 | 373.1 | 374.5 | 375.9 | 377.2 |



TEST NUMBER: P331370-927

CATALOG NUMBER: S122DIP-S675D1080U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 385.8 | 391.1 | 396.3 | 399.7 | 401.2 | 402.7 | 404.3 | 405.8 |
| 115° | 430.6 | 435.9 | 441.0 | 444.3 | 445.7 | 447.0 | 448.4 | 449.7 |
| 117.5° | 473.7 | 478.6 | 483.4 | 486.4 | 487.7 | 488.9 | 490.0 | 491.3 |
| 120° | 502.6 | 507.7 | 512.7 | 515.9 | 517.3 | 518.6 | 520.0 | 521.3 |
| 122.5° | 532.8 | 537.3 | 541.6 | 544.5 | 545.7 | 546.9 | 548.2 | 549.4 |
| 125° | 577.0 | 581.3 | 585.5 | 588.4 | 589.8 | 591.2 | 592.6 | 594.0 |
| 127.5° | 619.9 | 623.6 | 627.3 | 629.6 | 630.6 | 631.5 | 632.4 | 633.3 |
| 130° | 649.5 | 653.4 | 657.3 | 659.6 | 660.2 | 660.8 | 661.4 | 662.0 |
| 132.5° | 678.2 | 681.4 | 684.8 | 686.7 | 687.5 | 688.3 | 689.1 | 689.9 |
| 135° | 720.9 | 724.5 | 728.0 | 730.2 | 731.0 | 731.9 | 732.7 | 733.6 |
| 137.5° | 761.8 | 764.9 | 768.0 | 769.8 | 770.2 | 770.6 | 771.0 | 771.4 |
| 140° | 789.5 | 792.4 | 795.3 | 796.9 | 797.1 | 797.3 | 797.6 | 797.9 |
| 142.5° | 815.4 | 817.8 | 820.3 | 821.6 | 821.7 | 821.8 | 822.0 | 822.0 |
| 145° | 855.6 | 856.8 | 858.2 | 858.8 | 858.9 | 859.0 | 859.0 | 859.1 |
| 147.5° | 891.4 | 892.0 | 892.6 | 892.7 | 892.3 | 892.0 | 891.7 | 891.3 |
| 150° | 915.0 | 915.6 | 916.2 | 916.2 | 915.6 | 915.0 | 914.3 | 913.8 |
| 152.5° | 938.9 | 939.6 | 940.4 | 940.4 | 939.6 | 938.9 | 938.1 | 937.3 |
| 155° | 969.2 | 970.2 | 971.2 | 971.4 | 970.8 | 970.2 | 969.6 | 968.9 |
| 157.5° | 997.1 | 998.5 | 999.9 | 1000.1 | 999.1 | 998.1 | 997.2 | 996.2 |
| 160° | 1013.8 | 1014.9 | 1016.2 | 1016.4 | 1015.6 | 1014.8 | 1013.9 | 1013.1 |
| 162.5° | 1028.8 | 1030.2 | 1031.6 | 1031.7 | 1030.8 | 1029.8 | 1028.8 | 1027.9 |
| 165° | 1048.2 | 1049.6 | 1051.1 | 1051.2 | 1050.3 | 1049.2 | 1048.2 | 1047.2 |
| 167.5° | 1064.2 | 1065.6 | 1067.1 | 1067.2 | 1066.2 | 1065.1 | 1064.1 | 1063.0 |
| 170° | 1073.0 | 1074.4 | 1075.9 | 1076.0 | 1074.8 | 1073.6 | 1072.3 | 1071.1 |
| 172.5° | 1079.7 | 1081.1 | 1082.5 | 1082.6 | 1081.4 | 1080.1 | 1079.0 | 1077.7 |
| 175° | 1086.9 | 1088.3 | 1089.7 | 1089.8 | 1088.6 | 1087.3 | 1086.2 | 1084.9 |
| 177.5° | 1090.2 | 1091.2 | 1092.1 | 1092.1 | 1091.2 | 1090.2 | 1089.2 | 1088.2 |
| 180° | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 | 1090.4 |

(END OF REPORT)