

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: P332570-830

Luminaire Tested: **S124DIP-S575D1035U830-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332570-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S575D1035U830-4F0-1E-UDD-F4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5834.8 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

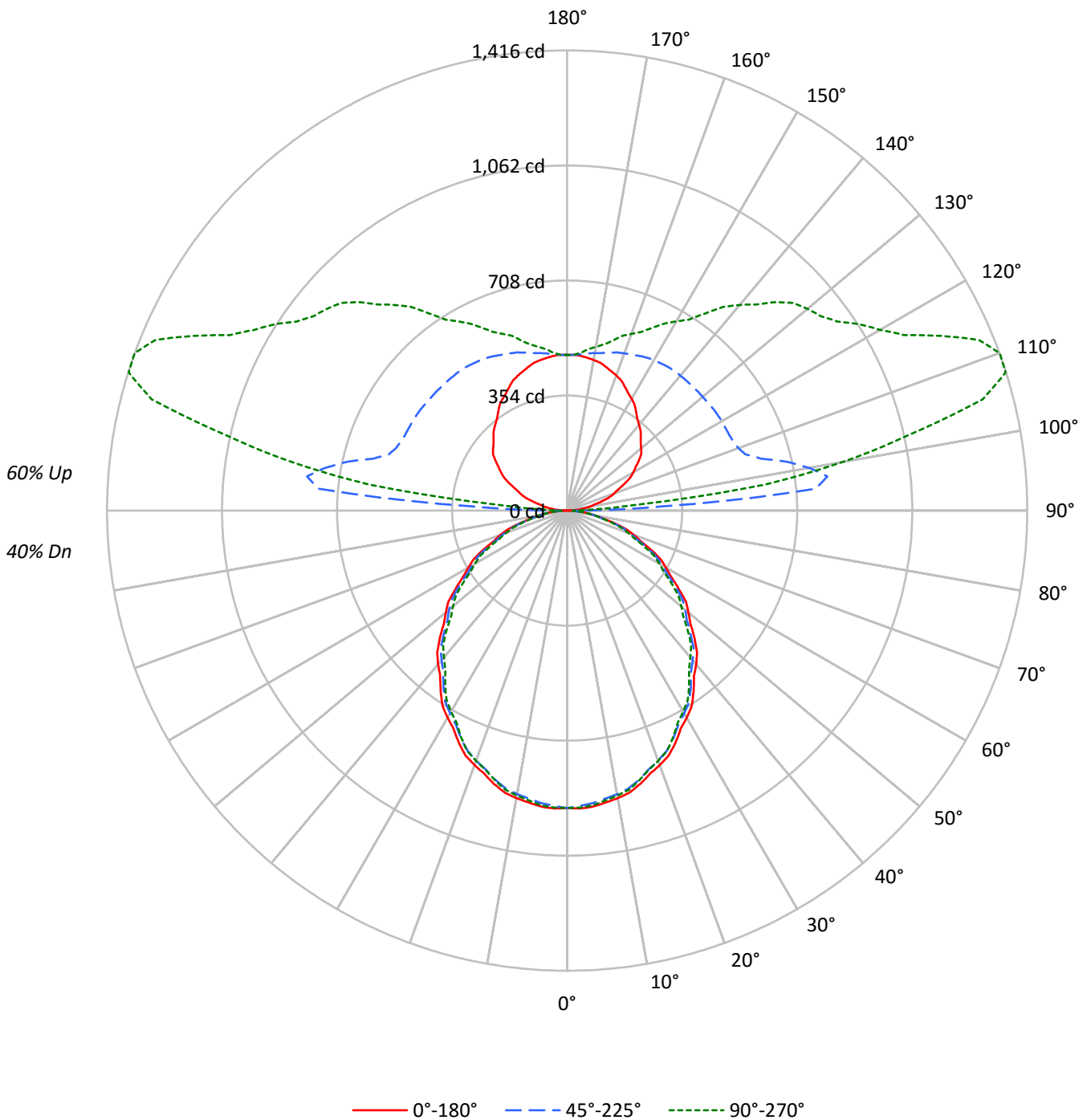
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332570-830

CATALOG NUMBER: S124DIP-S575D1035U830-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332570-830

CATALOG NUMBER: S124DIP-S575D1035U830-4F0-1E-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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | 40 |
| 1 | 96 | 91 | 87 | 84 | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 54 | 53 | 51 | 42 | 41 | 40 | 34 |
| 2 | 87 | 80 | 74 | 69 | 79 | 73 | 68 | 63 | 60 | 56 | 53 | 48 | 45 | 43 | 37 | 35 | 33 | 28 |
| 3 | 79 | 70 | 63 | 57 | 72 | 64 | 58 | 53 | 53 | 48 | 44 | 42 | 39 | 36 | 32 | 30 | 28 | 24 |
| 4 | 73 | 62 | 54 | 48 | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 31 | 29 | 27 | 25 | 21 |
| 5 | 67 | 55 | 47 | 41 | 60 | 50 | 43 | 38 | 42 | 37 | 32 | 34 | 30 | 27 | 26 | 23 | 21 | 18 |
| 6 | 61 | 49 | 41 | 36 | 56 | 45 | 38 | 33 | 38 | 32 | 28 | 30 | 26 | 23 | 24 | 21 | 19 | 16 |
| 7 | 57 | 44 | 37 | 31 | 51 | 41 | 34 | 29 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |
| 8 | 52 | 40 | 33 | 27 | 48 | 37 | 30 | 26 | 31 | 26 | 22 | 25 | 21 | 18 | 20 | 17 | 15 | 12 |
| 9 | 49 | 37 | 29 | 24 | 44 | 34 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 17 | 18 | 16 | 13 | 11 |
| 10 | 46 | 34 | 27 | 22 | 41 | 31 | 25 | 20 | 26 | 21 | 18 | 21 | 18 | 15 | 17 | 14 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7389 | 7389 | 7389 |
| 5° | 7412 | 7323 | 7376 |
| 10° | 7365 | 7263 | 7299 |
| 15° | 7276 | 7160 | 7178 |
| 20° | 7158 | 7032 | 7039 |
| 25° | 7023 | 6886 | 6866 |
| 30° | 6858 | 6715 | 6652 |
| 35° | 6686 | 6535 | 6447 |
| 40° | 6509 | 6330 | 6215 |
| 45° | 6322 | 6130 | 6012 |
| 50° | 6116 | 5951 | 5766 |
| 55° | 5895 | 5719 | 5533 |
| 60° | 5672 | 5459 | 5293 |
| 65° | 5421 | 5213 | 5001 |
| 70° | 5141 | 4881 | 4692 |
| 75° | 4713 | 4482 | 4370 |
| 80° | 4193 | 4021 | 3924 |
| 85° | 3668 | 3538 | 3464 |



TEST NUMBER: P332570-830

CATALOG NUMBER: S124DIP-S575D1035U830-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.2 | 1.5 |
| 10°-20° | 242.9 | 4.2 |
| 20°-30° | 357.5 | 6.1 |
| 30°-40° | 415.6 | 7.1 |
| 40°-50° | 415.6 | 7.1 |
| 50°-60° | 363.5 | 6.2 |
| 60°-70° | 270.0 | 4.6 |
| 70°-80° | 153.4 | 2.6 |
| 80°-90° | 46.9 | 0.8 |
| 90°-100° | 345.9 | 5.9 |
| 100°-110° | 720.0 | 12.3 |
| 110°-120° | 644.9 | 11.1 |
| 120°-130° | 542.4 | 9.3 |
| 130°-140° | 452.3 | 7.8 |
| 140°-150° | 345.5 | 5.9 |
| 150°-160° | 242.9 | 4.2 |
| 160°-170° | 142.9 | 2.4 |
| 170°-180° | 46.5 | 0.8 |
| 0°-30° | 686.6 | 11.8 |
| 0°-40° | 1102.1 | 18.9 |
| 0°-60° | 1881.3 | 32.2 |
| 0°-90° | 2351.5 | 40.3 |
| 90°-120° | 1710.8 | 29.3 |
| 90°-150° | 3051.1 | 52.3 |
| 90°-180° | 3483.0 | 59.7 |
| 0°-180° | 5834.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 915 | 915 | 915 | 915 | 915 | |
| 5° | 915 | 911 | 904 | 911 | 910 | 87 |
| 15° | 871 | 867 | 857 | 861 | 859 | 245 |
| 25° | 788 | 783 | 773 | 774 | 771 | 363 |
| 35° | 678 | 673 | 663 | 658 | 654 | 424 |
| 45° | 554 | 548 | 537 | 529 | 527 | 427 |
| 55° | 419 | 416 | 406 | 398 | 393 | 375 |
| 65° | 284 | 280 | 273 | 266 | 262 | 281 |
| 75° | 151 | 147 | 144 | 141 | 140 | 161 |
| 85° | 40 | 40 | 38 | 38 | 37 | 44 |
| 90° | 1 | 8 | 17 | 19 | 20 | 4 |
| 95° | 31 | 98 | 767 | 380 | 230 | 35 |
| 105° | 110 | 159 | 617 | 1329 | 1324 | 117 |
| 115° | 194 | 243 | 550 | 1058 | 1271 | 192 |
| 125° | 270 | 321 | 548 | 900 | 1014 | 240 |
| 135° | 321 | 382 | 543 | 799 | 907 | 248 |
| 145° | 370 | 423 | 540 | 674 | 741 | 232 |
| 155° | 421 | 454 | 525 | 595 | 620 | 194 |
| 165° | 458 | 472 | 503 | 533 | 541 | 129 |
| 175° | 478 | 479 | 483 | 489 | 487 | 45 |
| 180° | 479 | 479 | 479 | 479 | 479 | |



TEST NUMBER: P332570-830

CATALOG NUMBER: S124DIP-S575D1035U830-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 |
| 2.5° | 917.7 | 917.3 | 916.9 | 916.5 | 916.2 | 915.2 | 913.8 | 912.4 | 910.9 | 909.5 | 910.8 |
| 5° | 914.6 | 914.0 | 913.3 | 912.7 | 912.0 | 910.8 | 909.0 | 907.2 | 905.4 | 903.6 | 905.4 |
| 7.5° | 906.1 | 905.4 | 904.8 | 904.2 | 903.5 | 902.2 | 900.2 | 898.2 | 896.2 | 894.2 | 895.7 |
| 10° | 898.4 | 897.9 | 897.2 | 896.5 | 895.9 | 894.5 | 892.4 | 890.2 | 888.2 | 886.0 | 887.3 |
| 12.5° | 888.5 | 887.9 | 887.2 | 886.6 | 885.9 | 884.5 | 882.2 | 880.0 | 877.7 | 875.4 | 876.8 |
| 15° | 870.6 | 870.0 | 869.3 | 868.6 | 868.0 | 866.5 | 864.0 | 861.6 | 859.1 | 856.7 | 857.6 |
| 17.5° | 849.0 | 848.2 | 847.4 | 846.6 | 845.7 | 844.2 | 841.9 | 839.6 | 837.3 | 835.0 | 835.6 |
| 20° | 833.2 | 832.4 | 831.6 | 830.8 | 829.9 | 828.3 | 825.9 | 823.4 | 821.0 | 818.5 | 819.0 |
| 22.5° | 816.1 | 815.1 | 814.1 | 812.9 | 811.9 | 810.1 | 807.7 | 805.2 | 802.8 | 800.3 | 801.3 |
| 25° | 788.4 | 787.3 | 786.2 | 785.0 | 783.9 | 782.2 | 779.9 | 777.6 | 775.3 | 773.1 | 773.3 |
| 27.5° | 756.8 | 755.6 | 754.4 | 753.3 | 752.1 | 750.5 | 748.3 | 746.2 | 744.0 | 742.0 | 741.6 |
| 30° | 735.7 | 734.3 | 733.0 | 731.7 | 730.5 | 728.7 | 726.6 | 724.4 | 722.4 | 720.3 | 719.6 |
| 32.5° | 713.3 | 712.2 | 711.0 | 709.8 | 708.7 | 706.9 | 704.7 | 702.5 | 700.2 | 698.0 | 697.2 |
| 35° | 678.4 | 677.3 | 676.2 | 675.0 | 673.9 | 672.1 | 669.9 | 667.6 | 665.3 | 663.1 | 661.9 |
| 37.5° | 641.6 | 640.6 | 639.5 | 638.5 | 637.4 | 635.7 | 633.3 | 630.8 | 628.4 | 625.9 | 624.7 |
| 40° | 617.6 | 616.2 | 614.9 | 613.7 | 612.4 | 610.5 | 608.0 | 605.6 | 603.1 | 600.7 | 599.1 |
| 42.5° | 591.7 | 591.0 | 590.2 | 589.4 | 588.6 | 586.8 | 584.2 | 581.5 | 578.7 | 576.1 | 574.2 |
| 45° | 553.7 | 552.6 | 551.5 | 550.4 | 549.2 | 547.3 | 544.7 | 542.1 | 539.5 | 536.9 | 535.1 |
| 47.5° | 514.0 | 513.2 | 512.5 | 511.6 | 510.9 | 509.3 | 506.9 | 504.4 | 502.0 | 499.6 | 497.6 |
| 50° | 487.0 | 486.4 | 485.7 | 485.0 | 484.4 | 483.0 | 480.7 | 478.3 | 476.1 | 473.8 | 471.6 |
| 52.5° | 460.6 | 459.9 | 459.0 | 458.3 | 457.5 | 455.9 | 453.5 | 451.1 | 448.7 | 446.2 | 444.2 |
| 55° | 418.8 | 418.3 | 417.8 | 417.4 | 416.9 | 415.5 | 413.2 | 410.9 | 408.6 | 406.3 | 404.4 |
| 57.5° | 378.9 | 378.3 | 377.8 | 377.2 | 376.6 | 375.3 | 373.1 | 370.8 | 368.5 | 366.3 | 364.4 |
| 60° | 351.3 | 350.5 | 349.7 | 348.8 | 348.1 | 346.6 | 344.5 | 342.3 | 340.3 | 338.1 | 336.7 |
| 62.5° | 324.3 | 323.7 | 322.9 | 322.3 | 321.6 | 320.1 | 317.9 | 315.7 | 313.4 | 311.1 | 309.8 |
| 65° | 283.8 | 283.0 | 282.2 | 281.4 | 280.6 | 279.4 | 277.8 | 276.1 | 274.5 | 272.9 | 271.2 |
| 67.5° | 243.1 | 242.3 | 241.6 | 240.8 | 240.1 | 238.9 | 237.3 | 235.8 | 234.2 | 232.6 | 231.1 |
| 70° | 217.8 | 216.7 | 215.6 | 214.4 | 213.3 | 212.1 | 210.8 | 209.4 | 208.1 | 206.8 | 205.6 |
| 72.5° | 190.9 | 189.7 | 188.6 | 187.4 | 186.2 | 185.2 | 184.2 | 183.1 | 182.1 | 181.0 | 179.9 |
| 75° | 151.1 | 150.2 | 149.5 | 148.6 | 147.8 | 147.0 | 146.2 | 145.3 | 144.6 | 143.7 | 143.1 |
| 77.5° | 113.1 | 112.7 | 112.4 | 112.1 | 111.7 | 111.1 | 110.4 | 109.7 | 109.0 | 108.3 | 108.0 |
| 80° | 90.2 | 89.7 | 89.3 | 88.8 | 88.2 | 87.8 | 87.6 | 87.2 | 86.9 | 86.5 | 86.2 |
| 82.5° | 68.0 | 67.7 | 67.5 | 67.2 | 67.0 | 66.8 | 66.8 | 66.7 | 66.6 | 66.6 | 66.4 |
| 85° | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.4 | 39.1 | 38.8 | 38.5 | 38.2 | 38.2 |
| 87.5° | 15.5 | 15.6 | 16.1 | 16.2 | 16.2 | 16.1 | 17.2 | 17.0 | 17.2 | 17.4 | 17.2 |
| 90° | 0.9 | 2.8 | 5.7 | 6.6 | 7.5 | 7.5 | 13.2 | 13.2 | 15.1 | 17.0 | 16.0 |
| 92.5° | 10.7 | 15.6 | 24.5 | 35.9 | 49.7 | 69.3 | 117.1 | 190.1 | 261.2 | 298.5 | 248.6 |
| 95° | 31.0 | 33.8 | 43.3 | 55.5 | 78.1 | 117.6 | 199.4 | 353.8 | 578.7 | 766.9 | 788.5 |
| 97.5° | 55.7 | 55.7 | 63.8 | 75.1 | 94.4 | 127.6 | 190.7 | 318.0 | 541.6 | 807.7 | 990.6 |
| 100° | 71.5 | 71.5 | 78.1 | 89.4 | 107.3 | 137.4 | 192.9 | 299.3 | 491.2 | 756.5 | 997.4 |
| 102.5° | 86.5 | 88.0 | 93.9 | 104.4 | 121.6 | 150.1 | 200.4 | 294.0 | 457.3 | 692.6 | 940.9 |
| 105° | 110.1 | 112.9 | 117.6 | 128.9 | 145.8 | 173.1 | 218.3 | 296.4 | 428.1 | 617.3 | 838.4 |
| 107.5° | 136.1 | 138.0 | 142.6 | 154.7 | 170.9 | 197.7 | 239.2 | 310.3 | 422.8 | 575.1 | 755.5 |
| 110° | 153.4 | 155.2 | 159.9 | 171.3 | 188.2 | 213.6 | 255.0 | 320.8 | 424.3 | 560.8 | 714.2 |



TEST NUMBER: P332570-830

CATALOG NUMBER: S124DIP-S575D1035U830-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 169.9 | 171.8 | 177.3 | 187.8 | 204.7 | 230.2 | 270.0 | 332.2 | 428.9 | 554.0 | 690.9 |
| 115° | 193.9 | 196.6 | 203.2 | 212.6 | 230.5 | 255.9 | 293.6 | 350.1 | 437.5 | 550.4 | 669.0 |
| 117.5° | 218.7 | 221.3 | 227.2 | 237.5 | 254.2 | 280.6 | 316.3 | 368.3 | 446.8 | 549.5 | 659.2 |
| 120° | 235.3 | 237.1 | 243.7 | 254.0 | 270.0 | 296.4 | 332.2 | 381.1 | 453.6 | 549.5 | 653.9 |
| 122.5° | 250.3 | 252.1 | 258.7 | 268.3 | 285.9 | 311.4 | 347.2 | 393.1 | 460.3 | 548.7 | 647.9 |
| 125° | 270.0 | 273.8 | 279.5 | 289.8 | 307.6 | 334.0 | 367.9 | 411.2 | 470.5 | 547.6 | 638.0 |
| 127.5° | 287.6 | 290.6 | 297.4 | 309.2 | 327.8 | 354.4 | 387.1 | 426.8 | 478.5 | 545.5 | 624.6 |
| 130° | 297.4 | 301.1 | 308.6 | 322.7 | 340.6 | 367.9 | 399.9 | 436.6 | 484.6 | 544.8 | 616.3 |
| 132.5° | 307.1 | 310.1 | 319.9 | 333.3 | 352.7 | 378.4 | 410.5 | 446.4 | 489.8 | 544.0 | 608.8 |
| 135° | 320.8 | 324.6 | 334.0 | 350.1 | 369.8 | 394.3 | 425.3 | 459.2 | 497.8 | 542.9 | 597.5 |
| 137.5° | 334.6 | 338.2 | 348.6 | 363.7 | 384.3 | 407.6 | 436.6 | 468.3 | 502.5 | 542.7 | 587.7 |
| 140° | 344.4 | 347.2 | 357.6 | 373.5 | 393.3 | 415.9 | 444.1 | 474.2 | 506.2 | 542.0 | 582.5 |
| 142.5° | 355.0 | 357.8 | 367.3 | 382.6 | 401.6 | 423.4 | 450.9 | 478.7 | 509.3 | 542.0 | 578.0 |
| 145° | 369.8 | 372.6 | 382.0 | 395.2 | 413.1 | 433.8 | 458.3 | 483.6 | 511.0 | 540.1 | 570.2 |
| 147.5° | 386.5 | 387.5 | 395.8 | 409.3 | 424.1 | 442.8 | 465.8 | 488.0 | 511.9 | 536.7 | 563.3 |
| 150° | 397.1 | 398.0 | 405.6 | 416.9 | 430.9 | 448.8 | 469.6 | 490.2 | 511.9 | 534.4 | 558.0 |
| 152.5° | 406.9 | 407.1 | 414.6 | 425.1 | 437.7 | 454.1 | 472.6 | 491.7 | 510.4 | 530.7 | 552.0 |
| 155° | 420.6 | 421.5 | 427.2 | 436.6 | 447.0 | 461.1 | 477.0 | 493.0 | 508.1 | 525.1 | 542.9 |
| 157.5° | 433.9 | 433.9 | 439.2 | 446.6 | 455.6 | 466.7 | 480.2 | 493.0 | 505.7 | 519.2 | 533.7 |
| 160° | 442.2 | 442.2 | 446.0 | 452.6 | 460.1 | 470.5 | 481.7 | 493.0 | 503.4 | 514.7 | 527.0 |
| 162.5° | 449.8 | 449.0 | 452.0 | 457.9 | 464.7 | 472.8 | 483.2 | 493.0 | 501.1 | 510.2 | 520.9 |
| 165° | 458.3 | 458.3 | 460.1 | 464.9 | 469.6 | 475.1 | 483.6 | 491.2 | 496.8 | 503.4 | 511.0 |
| 167.5° | 466.7 | 465.8 | 466.7 | 470.3 | 473.0 | 477.2 | 483.4 | 488.9 | 492.3 | 496.6 | 501.9 |
| 170° | 470.5 | 469.6 | 470.5 | 473.3 | 475.1 | 478.0 | 482.7 | 487.4 | 489.3 | 492.1 | 495.9 |
| 172.5° | 474.2 | 473.3 | 473.4 | 475.5 | 476.6 | 478.7 | 481.9 | 485.9 | 486.3 | 487.6 | 490.6 |
| 175° | 478.0 | 477.0 | 477.0 | 478.0 | 478.9 | 478.9 | 480.8 | 483.6 | 482.7 | 482.7 | 484.6 |
| 177.5° | 479.7 | 478.9 | 478.2 | 478.9 | 478.9 | 478.9 | 479.7 | 481.2 | 479.7 | 479.7 | 480.4 |
| 180° | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 |



TEST NUMBER: P332570-830

CATALOG NUMBER: S124DIP-S575D1035U830-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 | 915.3 |
| 2.5° | 912.1 | 913.4 | 914.7 | 915.3 | 915.1 | 915.0 | 914.9 | 914.7 |
| 5° | 907.2 | 909.0 | 910.8 | 911.5 | 911.2 | 910.9 | 910.5 | 910.2 |
| 7.5° | 897.1 | 898.5 | 899.9 | 900.6 | 900.4 | 900.2 | 900.0 | 899.8 |
| 10° | 888.6 | 889.9 | 891.3 | 891.7 | 891.4 | 891.1 | 890.7 | 890.4 |
| 12.5° | 878.4 | 879.8 | 881.2 | 881.7 | 881.2 | 880.7 | 880.3 | 879.9 |
| 15° | 858.7 | 859.6 | 860.5 | 860.8 | 860.4 | 859.9 | 859.3 | 858.8 |
| 17.5° | 836.2 | 836.8 | 837.4 | 837.5 | 837.3 | 836.9 | 836.6 | 836.3 |
| 20° | 819.5 | 820.0 | 820.5 | 820.6 | 820.2 | 819.9 | 819.6 | 819.3 |
| 22.5° | 802.1 | 803.0 | 803.9 | 804.0 | 803.4 | 802.9 | 802.3 | 801.6 |
| 25° | 773.4 | 773.5 | 773.7 | 773.5 | 772.8 | 772.1 | 771.5 | 770.8 |
| 27.5° | 741.2 | 740.7 | 740.4 | 739.8 | 739.0 | 738.2 | 737.4 | 736.5 |
| 30° | 719.0 | 718.3 | 717.7 | 716.9 | 716.0 | 715.3 | 714.4 | 713.6 |
| 32.5° | 696.4 | 695.6 | 694.8 | 694.0 | 693.2 | 692.4 | 691.5 | 690.8 |
| 35° | 660.7 | 659.6 | 658.5 | 657.5 | 656.7 | 655.8 | 655.1 | 654.2 |
| 37.5° | 623.5 | 622.2 | 620.9 | 619.8 | 618.8 | 617.6 | 616.6 | 615.5 |
| 40° | 597.5 | 595.8 | 594.2 | 593.0 | 592.1 | 591.4 | 590.5 | 589.7 |
| 42.5° | 572.3 | 570.3 | 568.4 | 567.2 | 566.8 | 566.2 | 565.6 | 565.1 |
| 45° | 533.3 | 531.5 | 529.7 | 528.6 | 528.1 | 527.6 | 527.1 | 526.6 |
| 47.5° | 495.6 | 493.5 | 491.5 | 489.9 | 488.7 | 487.4 | 486.2 | 484.9 |
| 50° | 469.2 | 466.9 | 464.7 | 463.1 | 462.0 | 461.1 | 460.1 | 459.1 |
| 52.5° | 442.1 | 440.2 | 438.2 | 436.5 | 435.3 | 434.0 | 432.8 | 431.6 |
| 55° | 402.5 | 400.5 | 398.5 | 397.0 | 396.1 | 395.1 | 394.1 | 393.1 |
| 57.5° | 362.6 | 360.7 | 358.8 | 357.4 | 356.5 | 355.5 | 354.6 | 353.6 |
| 60° | 335.2 | 333.8 | 332.2 | 331.1 | 330.3 | 329.5 | 328.7 | 327.8 |
| 62.5° | 308.5 | 307.1 | 305.8 | 304.7 | 303.9 | 303.1 | 302.3 | 301.4 |
| 65° | 269.6 | 268.0 | 266.4 | 265.1 | 264.3 | 263.4 | 262.7 | 261.8 |
| 67.5° | 229.5 | 228.0 | 226.4 | 225.5 | 225.3 | 225.1 | 224.8 | 224.6 |
| 70° | 204.2 | 202.9 | 201.6 | 200.8 | 200.2 | 199.7 | 199.3 | 198.8 |
| 72.5° | 178.9 | 177.9 | 176.8 | 176.1 | 175.6 | 175.1 | 174.7 | 174.1 |
| 75° | 142.4 | 141.8 | 141.2 | 140.7 | 140.5 | 140.4 | 140.3 | 140.1 |
| 77.5° | 107.8 | 107.6 | 107.4 | 107.2 | 106.7 | 106.3 | 105.8 | 105.5 |
| 80° | 85.9 | 85.6 | 85.2 | 85.0 | 84.8 | 84.6 | 84.5 | 84.4 |
| 82.5° | 66.2 | 66.0 | 65.8 | 65.6 | 65.5 | 65.3 | 65.1 | 64.9 |
| 85° | 38.2 | 38.2 | 38.2 | 38.1 | 37.9 | 37.7 | 37.6 | 37.4 |
| 87.5° | 17.4 | 17.6 | 17.8 | 17.8 | 18.0 | 18.2 | 18.0 | 18.0 |
| 90° | 17.0 | 17.9 | 18.9 | 18.9 | 19.8 | 20.7 | 19.8 | 19.8 |
| 92.5° | 184.8 | 139.1 | 110.7 | 91.8 | 80.8 | 75.7 | 72.5 | 72.5 |
| 95° | 697.2 | 551.4 | 425.3 | 334.0 | 287.9 | 258.7 | 241.9 | 229.6 |
| 97.5° | 1030.2 | 975.9 | 883.9 | 785.7 | 718.1 | 661.5 | 633.3 | 613.7 |
| 100° | 1134.8 | 1153.6 | 1107.5 | 1037.8 | 956.0 | 898.6 | 870.3 | 862.9 |
| 102.5° | 1129.5 | 1222.9 | 1236.2 | 1207.2 | 1157.0 | 1115.4 | 1085.7 | 1079.7 |
| 105° | 1053.9 | 1216.6 | 1309.8 | 1348.4 | 1350.3 | 1342.7 | 1329.6 | 1323.9 |
| 107.5° | 946.4 | 1119.7 | 1250.9 | 1334.8 | 1381.3 | 1402.8 | 1412.2 | 1414.7 |
| 110° | 881.7 | 1044.4 | 1180.9 | 1284.4 | 1351.2 | 1390.7 | 1407.7 | 1416.2 |



TEST NUMBER: P332570-830

CATALOG NUMBER: S124DIP-S575D1035U830-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 834.2 | 978.2 | 1107.1 | 1210.6 | 1286.5 | 1334.3 | 1358.0 | 1371.7 |
| 115° | 786.6 | 902.4 | 1012.5 | 1102.8 | 1177.1 | 1233.6 | 1263.7 | 1271.2 |
| 117.5° | 763.3 | 859.1 | 945.7 | 1022.3 | 1085.7 | 1133.1 | 1163.6 | 1169.4 |
| 120° | 752.7 | 840.3 | 915.6 | 982.3 | 1035.9 | 1077.4 | 1101.8 | 1112.2 |
| 122.5° | 743.8 | 828.2 | 896.7 | 955.3 | 1000.6 | 1035.9 | 1056.7 | 1067.1 |
| 125° | 728.3 | 809.2 | 874.1 | 925.9 | 963.6 | 990.8 | 1008.7 | 1014.4 |
| 127.5° | 709.5 | 786.8 | 851.6 | 900.7 | 938.5 | 962.8 | 977.8 | 983.4 |
| 130° | 694.5 | 768.7 | 832.7 | 882.6 | 921.1 | 944.7 | 959.8 | 965.4 |
| 132.5° | 678.6 | 748.5 | 810.9 | 860.8 | 898.6 | 925.1 | 939.4 | 945.1 |
| 135° | 656.8 | 717.9 | 775.3 | 822.4 | 860.1 | 886.4 | 901.4 | 907.1 |
| 137.5° | 637.1 | 688.8 | 737.2 | 779.7 | 814.8 | 840.8 | 853.3 | 860.1 |
| 140° | 625.8 | 670.0 | 712.3 | 751.8 | 784.8 | 805.5 | 818.6 | 826.1 |
| 142.5° | 615.2 | 654.1 | 690.5 | 724.7 | 753.8 | 773.1 | 784.8 | 790.0 |
| 145° | 600.3 | 632.4 | 660.5 | 686.9 | 710.4 | 726.4 | 735.8 | 740.6 |
| 147.5° | 588.1 | 613.5 | 636.1 | 656.8 | 674.1 | 687.9 | 695.0 | 696.6 |
| 150° | 580.6 | 602.2 | 621.0 | 638.0 | 653.0 | 665.2 | 670.9 | 671.8 |
| 152.5° | 572.3 | 590.9 | 608.2 | 622.2 | 635.0 | 644.9 | 648.3 | 649.2 |
| 155° | 559.9 | 575.0 | 589.0 | 600.3 | 609.7 | 617.3 | 620.1 | 620.1 |
| 157.5° | 546.5 | 559.1 | 571.0 | 580.0 | 587.1 | 592.8 | 594.5 | 594.5 |
| 160° | 538.2 | 548.6 | 558.9 | 566.5 | 572.1 | 577.8 | 578.7 | 578.7 |
| 162.5° | 529.9 | 538.8 | 546.9 | 553.6 | 557.8 | 563.5 | 564.4 | 563.6 |
| 165° | 518.5 | 524.1 | 530.7 | 535.4 | 539.1 | 542.9 | 542.0 | 541.0 |
| 167.5° | 507.4 | 511.7 | 517.0 | 519.8 | 521.7 | 524.1 | 524.0 | 523.2 |
| 170° | 500.6 | 503.4 | 507.2 | 510.0 | 511.9 | 512.8 | 511.9 | 511.9 |
| 172.5° | 494.6 | 496.6 | 498.9 | 501.0 | 502.1 | 503.0 | 502.1 | 500.6 |
| 175° | 486.4 | 487.4 | 489.3 | 489.3 | 489.3 | 491.2 | 489.3 | 487.4 |
| 177.5° | 481.2 | 481.9 | 481.9 | 482.7 | 481.9 | 482.7 | 481.2 | 479.7 |
| 180° | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 |

(END OF REPORT)