

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

Luminaire Tested: **S124DIP-S575D1035U835-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332570
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-S575D1035U835-4F0-1E-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: 6190.5 lumens
Efficiency: N/A
Efficacy: 139.1 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

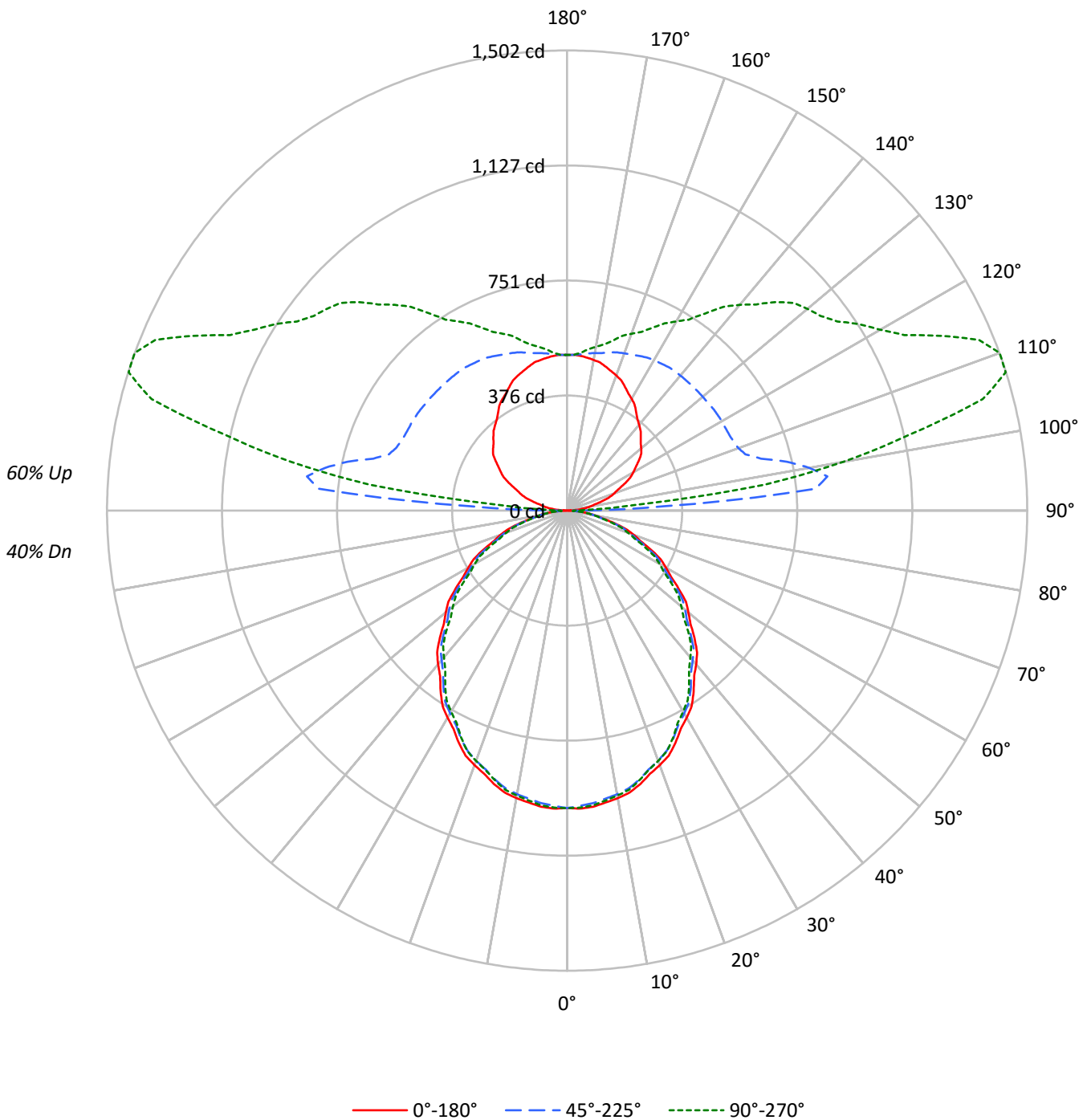
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332570

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332570

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-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° | 7840 | 7840 | 7840 |
| 5° | 7864 | 7769 | 7826 |
| 10° | 7814 | 7706 | 7744 |
| 15° | 7720 | 7596 | 7616 |
| 20° | 7594 | 7460 | 7467 |
| 25° | 7451 | 7306 | 7285 |
| 30° | 7276 | 7124 | 7058 |
| 35° | 7094 | 6933 | 6841 |
| 40° | 6905 | 6716 | 6593 |
| 45° | 6707 | 6503 | 6379 |
| 50° | 6489 | 6314 | 6118 |
| 55° | 6253 | 6068 | 5871 |
| 60° | 6018 | 5792 | 5616 |
| 65° | 5752 | 5530 | 5307 |
| 70° | 5455 | 5179 | 4978 |
| 75° | 5000 | 4757 | 4635 |
| 80° | 4449 | 4268 | 4161 |
| 85° | 3890 | 3751 | 3677 |



TEST NUMBER: P332570

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.5 | 1.5 |
| 10°-20° | 257.7 | 4.2 |
| 20°-30° | 379.3 | 6.1 |
| 30°-40° | 440.9 | 7.1 |
| 40°-50° | 440.9 | 7.1 |
| 50°-60° | 385.7 | 6.2 |
| 60°-70° | 286.4 | 4.6 |
| 70°-80° | 162.7 | 2.6 |
| 80°-90° | 49.8 | 0.8 |
| 90°-100° | 367.0 | 5.9 |
| 100°-110° | 763.9 | 12.3 |
| 110°-120° | 684.2 | 11.1 |
| 120°-130° | 575.5 | 9.3 |
| 130°-140° | 479.9 | 7.8 |
| 140°-150° | 366.6 | 5.9 |
| 150°-160° | 257.7 | 4.2 |
| 160°-170° | 151.6 | 2.4 |
| 170°-180° | 49.3 | 0.8 |
| 0°-30° | 728.4 | 11.8 |
| 0°-40° | 1169.3 | 18.9 |
| 0°-60° | 1996.0 | 32.2 |
| 0°-90° | 2494.9 | 40.3 |
| 90°-120° | 1815.1 | 29.3 |
| 90°-150° | 3237.1 | 52.3 |
| 90°-180° | 3696.0 | 59.7 |
| 0°-180° | 6190.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 971 | 971 | 971 | 971 | 971 | |
| 5° | 970 | 967 | 959 | 967 | 966 | 92 |
| 15° | 924 | 920 | 909 | 913 | 911 | 260 |
| 25° | 836 | 831 | 820 | 821 | 818 | 385 |
| 35° | 720 | 714 | 704 | 698 | 694 | 450 |
| 45° | 588 | 582 | 570 | 561 | 559 | 453 |
| 55° | 444 | 442 | 431 | 422 | 417 | 398 |
| 65° | 301 | 297 | 290 | 282 | 278 | 298 |
| 75° | 160 | 156 | 152 | 150 | 149 | 170 |
| 85° | 42 | 42 | 40 | 40 | 40 | 46 |
| 90° | 1 | 8 | 18 | 20 | 21 | 4 |
| 95° | 33 | 104 | 814 | 403 | 244 | 37 |
| 105° | 117 | 169 | 655 | 1410 | 1405 | 125 |
| 115° | 206 | 258 | 584 | 1122 | 1349 | 204 |
| 125° | 286 | 340 | 581 | 955 | 1076 | 255 |
| 135° | 340 | 405 | 576 | 848 | 962 | 263 |
| 145° | 392 | 449 | 573 | 715 | 786 | 246 |
| 155° | 446 | 482 | 557 | 631 | 658 | 206 |
| 165° | 486 | 501 | 534 | 566 | 574 | 137 |
| 175° | 507 | 508 | 512 | 519 | 517 | 48 |
| 180° | 508 | 508 | 508 | 508 | 508 | |



TEST NUMBER: P332570

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 |
| 2.5° | 973.6 | 973.2 | 972.8 | 972.4 | 972.0 | 971.0 | 969.5 | 968.0 | 966.4 | 964.9 | 966.3 |
| 5° | 970.4 | 969.7 | 969.0 | 968.3 | 967.6 | 966.3 | 964.4 | 962.5 | 960.6 | 958.7 | 960.6 |
| 7.5° | 961.3 | 960.6 | 960.0 | 959.3 | 958.6 | 957.2 | 955.1 | 953.0 | 950.8 | 948.7 | 950.3 |
| 10° | 953.2 | 952.6 | 951.9 | 951.2 | 950.5 | 949.0 | 946.8 | 944.5 | 942.3 | 940.0 | 941.4 |
| 12.5° | 942.7 | 942.0 | 941.3 | 940.6 | 939.9 | 938.4 | 936.0 | 933.6 | 931.2 | 928.8 | 930.3 |
| 15° | 923.7 | 923.0 | 922.3 | 921.6 | 920.9 | 919.3 | 916.7 | 914.1 | 911.5 | 908.9 | 909.9 |
| 17.5° | 900.8 | 899.9 | 899.1 | 898.2 | 897.3 | 895.7 | 893.2 | 890.8 | 888.3 | 885.9 | 886.5 |
| 20° | 884.0 | 883.1 | 882.3 | 881.4 | 880.5 | 878.8 | 876.2 | 873.6 | 871.0 | 868.4 | 868.9 |
| 22.5° | 865.9 | 864.8 | 863.7 | 862.5 | 861.4 | 859.5 | 856.9 | 854.3 | 851.7 | 849.1 | 850.1 |
| 25° | 836.5 | 835.3 | 834.1 | 832.9 | 831.7 | 829.9 | 827.4 | 825.0 | 822.6 | 820.2 | 820.4 |
| 27.5° | 802.9 | 801.7 | 800.4 | 799.2 | 797.9 | 796.2 | 793.9 | 791.7 | 789.4 | 787.2 | 786.8 |
| 30° | 780.5 | 779.1 | 777.7 | 776.3 | 775.0 | 773.1 | 770.9 | 768.6 | 766.4 | 764.2 | 763.5 |
| 32.5° | 756.8 | 755.6 | 754.3 | 753.1 | 751.9 | 750.0 | 747.7 | 745.3 | 742.9 | 740.5 | 739.7 |
| 35° | 719.8 | 718.6 | 717.4 | 716.2 | 715.0 | 713.1 | 710.7 | 708.3 | 705.9 | 703.5 | 702.2 |
| 37.5° | 680.7 | 679.6 | 678.5 | 677.4 | 676.3 | 674.5 | 671.9 | 669.3 | 666.7 | 664.1 | 662.8 |
| 40° | 655.2 | 653.8 | 652.4 | 651.1 | 649.7 | 647.7 | 645.1 | 642.5 | 639.9 | 637.3 | 635.6 |
| 42.5° | 627.8 | 627.0 | 626.2 | 625.3 | 624.5 | 622.6 | 619.8 | 616.9 | 614.0 | 611.2 | 609.2 |
| 45° | 587.5 | 586.3 | 585.1 | 583.9 | 582.7 | 580.7 | 577.9 | 575.1 | 572.4 | 569.6 | 567.7 |
| 47.5° | 545.3 | 544.5 | 543.7 | 542.8 | 542.0 | 540.3 | 537.8 | 535.2 | 532.6 | 530.1 | 527.9 |
| 50° | 516.7 | 516.0 | 515.3 | 514.6 | 513.9 | 512.4 | 510.0 | 507.5 | 505.1 | 502.7 | 500.3 |
| 52.5° | 488.7 | 487.9 | 487.0 | 486.2 | 485.4 | 483.7 | 481.1 | 478.6 | 476.0 | 473.4 | 471.3 |
| 55° | 444.3 | 443.8 | 443.3 | 442.8 | 442.3 | 440.8 | 438.4 | 435.9 | 433.5 | 431.1 | 429.0 |
| 57.5° | 402.0 | 401.4 | 400.8 | 400.2 | 399.6 | 398.2 | 395.8 | 393.4 | 391.0 | 388.6 | 386.6 |
| 60° | 372.7 | 371.9 | 371.0 | 370.1 | 369.3 | 367.7 | 365.5 | 363.2 | 361.0 | 358.7 | 357.2 |
| 62.5° | 344.1 | 343.4 | 342.6 | 341.9 | 341.2 | 339.6 | 337.3 | 334.9 | 332.5 | 330.1 | 328.7 |
| 65° | 301.1 | 300.3 | 299.4 | 298.6 | 297.7 | 296.4 | 294.7 | 292.9 | 291.2 | 289.5 | 287.7 |
| 67.5° | 257.9 | 257.1 | 256.3 | 255.5 | 254.7 | 253.5 | 251.8 | 250.2 | 248.5 | 246.8 | 245.2 |
| 70° | 231.1 | 229.9 | 228.7 | 227.5 | 226.3 | 225.0 | 223.6 | 222.2 | 220.8 | 219.4 | 218.1 |
| 72.5° | 202.5 | 201.3 | 200.1 | 198.8 | 197.6 | 196.5 | 195.4 | 194.3 | 193.2 | 192.0 | 190.9 |
| 75° | 160.3 | 159.4 | 158.6 | 157.7 | 156.8 | 156.0 | 155.1 | 154.2 | 153.4 | 152.5 | 151.8 |
| 77.5° | 120.0 | 119.6 | 119.2 | 118.9 | 118.5 | 117.9 | 117.1 | 116.4 | 115.6 | 114.9 | 114.6 |
| 80° | 95.7 | 95.2 | 94.7 | 94.2 | 93.6 | 93.2 | 92.9 | 92.5 | 92.2 | 91.8 | 91.5 |
| 82.5° | 72.1 | 71.8 | 71.6 | 71.3 | 71.1 | 70.9 | 70.9 | 70.8 | 70.7 | 70.7 | 70.4 |
| 85° | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 41.8 | 41.5 | 41.2 | 40.8 | 40.5 | 40.5 |
| 87.5° | 16.4 | 16.6 | 17.1 | 17.2 | 17.2 | 17.1 | 18.2 | 18.0 | 18.3 | 18.5 | 18.3 |
| 90° | 1.0 | 3.0 | 6.0 | 7.0 | 8.0 | 8.0 | 14.0 | 14.0 | 16.0 | 18.0 | 17.0 |
| 92.5° | 11.4 | 16.6 | 26.0 | 38.1 | 52.7 | 73.5 | 124.2 | 201.7 | 277.1 | 316.7 | 263.8 |
| 95° | 32.9 | 35.9 | 45.9 | 58.9 | 82.9 | 124.8 | 211.6 | 375.4 | 614.0 | 813.6 | 836.6 |
| 97.5° | 59.1 | 59.1 | 67.7 | 79.7 | 100.2 | 135.4 | 202.3 | 337.4 | 574.6 | 856.9 | 1051.0 |
| 100° | 75.9 | 75.9 | 82.9 | 94.8 | 113.8 | 145.8 | 204.7 | 317.5 | 521.1 | 802.6 | 1058.2 |
| 102.5° | 91.8 | 93.4 | 99.6 | 110.8 | 129.0 | 159.3 | 212.6 | 311.9 | 485.2 | 734.8 | 998.3 |
| 105° | 116.8 | 119.8 | 124.8 | 136.8 | 154.7 | 183.7 | 231.6 | 314.5 | 454.2 | 654.9 | 889.5 |
| 107.5° | 144.4 | 146.4 | 151.3 | 164.1 | 181.3 | 209.8 | 253.8 | 329.2 | 448.6 | 610.2 | 801.6 |
| 110° | 162.7 | 164.7 | 169.7 | 181.7 | 199.7 | 226.6 | 270.5 | 340.4 | 450.2 | 595.0 | 757.7 |



TEST NUMBER: P332570

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 180.3 | 182.3 | 188.1 | 199.3 | 217.2 | 244.2 | 286.5 | 352.4 | 455.0 | 587.8 | 733.0 |
| 115° | 205.7 | 208.6 | 215.6 | 225.6 | 244.6 | 271.5 | 311.5 | 371.4 | 464.2 | 584.0 | 709.8 |
| 117.5° | 232.0 | 234.8 | 241.0 | 252.0 | 269.7 | 297.7 | 335.6 | 390.7 | 474.0 | 583.0 | 699.4 |
| 120° | 249.6 | 251.6 | 258.6 | 269.5 | 286.5 | 314.5 | 352.4 | 404.3 | 481.2 | 583.0 | 693.8 |
| 122.5° | 265.6 | 267.5 | 274.5 | 284.7 | 303.3 | 330.4 | 368.4 | 417.1 | 488.4 | 582.2 | 687.4 |
| 125° | 286.5 | 290.5 | 296.5 | 307.5 | 326.4 | 354.4 | 390.3 | 436.3 | 499.2 | 581.0 | 676.9 |
| 127.5° | 305.1 | 308.3 | 315.5 | 328.0 | 347.8 | 376.0 | 410.7 | 452.8 | 507.7 | 578.8 | 662.7 |
| 130° | 315.5 | 319.5 | 327.4 | 342.4 | 361.4 | 390.3 | 424.3 | 463.2 | 514.1 | 578.0 | 653.9 |
| 132.5° | 325.8 | 329.0 | 339.4 | 353.6 | 374.2 | 401.5 | 435.5 | 473.6 | 519.7 | 577.2 | 645.9 |
| 135° | 340.4 | 344.4 | 354.4 | 371.4 | 392.3 | 418.3 | 451.2 | 487.2 | 528.1 | 576.0 | 633.9 |
| 137.5° | 355.0 | 358.8 | 369.8 | 385.9 | 407.7 | 432.5 | 463.2 | 496.8 | 533.1 | 575.8 | 623.5 |
| 140° | 365.4 | 368.4 | 379.4 | 396.3 | 417.3 | 441.3 | 471.2 | 503.1 | 537.1 | 575.0 | 618.0 |
| 142.5° | 376.6 | 379.6 | 389.7 | 405.9 | 426.1 | 449.2 | 478.4 | 507.9 | 540.3 | 575.0 | 613.2 |
| 145° | 392.3 | 395.3 | 405.3 | 419.3 | 438.3 | 460.2 | 486.2 | 513.1 | 542.1 | 573.0 | 605.0 |
| 147.5° | 410.1 | 411.1 | 419.9 | 434.3 | 450.0 | 469.8 | 494.2 | 517.7 | 543.1 | 569.4 | 597.6 |
| 150° | 421.3 | 422.3 | 430.3 | 442.3 | 457.2 | 476.2 | 498.2 | 520.1 | 543.1 | 567.0 | 592.0 |
| 152.5° | 431.7 | 431.9 | 439.9 | 451.0 | 464.4 | 481.8 | 501.4 | 521.7 | 541.5 | 563.0 | 585.6 |
| 155° | 446.2 | 447.2 | 453.2 | 463.2 | 474.2 | 489.2 | 506.1 | 523.1 | 539.1 | 557.1 | 576.0 |
| 157.5° | 460.4 | 460.4 | 466.0 | 473.8 | 483.4 | 495.2 | 509.5 | 523.1 | 536.5 | 550.9 | 566.2 |
| 160° | 469.2 | 469.2 | 473.2 | 480.2 | 488.2 | 499.2 | 511.1 | 523.1 | 534.1 | 546.1 | 559.1 |
| 162.5° | 477.2 | 476.4 | 479.6 | 485.8 | 493.0 | 501.6 | 512.7 | 523.1 | 531.7 | 541.3 | 552.7 |
| 165° | 486.2 | 486.2 | 488.2 | 493.2 | 498.2 | 504.1 | 513.1 | 521.1 | 527.1 | 534.1 | 542.1 |
| 167.5° | 495.2 | 494.2 | 495.2 | 499.0 | 501.8 | 506.3 | 512.9 | 518.7 | 522.3 | 526.9 | 532.5 |
| 170° | 499.2 | 498.2 | 499.2 | 502.2 | 504.1 | 507.1 | 512.1 | 517.1 | 519.1 | 522.1 | 526.1 |
| 172.5° | 503.1 | 502.2 | 502.3 | 504.5 | 505.7 | 507.9 | 511.3 | 515.5 | 515.9 | 517.3 | 520.5 |
| 175° | 507.1 | 506.1 | 506.1 | 507.1 | 508.1 | 508.1 | 510.1 | 513.1 | 512.1 | 512.1 | 514.1 |
| 177.5° | 508.9 | 508.1 | 507.3 | 508.1 | 508.1 | 508.1 | 508.9 | 510.5 | 508.9 | 508.9 | 509.7 |
| 180° | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 |



TEST NUMBER: P332570

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 | 971.1 |
| 2.5° | 967.7 | 969.1 | 970.5 | 971.1 | 970.9 | 970.8 | 970.7 | 970.5 |
| 5° | 962.5 | 964.4 | 966.3 | 967.1 | 966.7 | 966.4 | 966.0 | 965.7 |
| 7.5° | 951.8 | 953.3 | 954.8 | 955.5 | 955.3 | 955.1 | 954.9 | 954.6 |
| 10° | 942.8 | 944.2 | 945.6 | 946.1 | 945.7 | 945.4 | 945.0 | 944.7 |
| 12.5° | 931.9 | 933.4 | 934.9 | 935.4 | 934.9 | 934.4 | 934.0 | 933.5 |
| 15° | 911.0 | 912.0 | 913.0 | 913.3 | 912.8 | 912.3 | 911.7 | 911.2 |
| 17.5° | 887.2 | 887.8 | 888.5 | 888.6 | 888.3 | 887.9 | 887.6 | 887.3 |
| 20° | 869.5 | 870.0 | 870.5 | 870.6 | 870.2 | 869.9 | 869.6 | 869.2 |
| 22.5° | 851.0 | 851.9 | 852.9 | 853.0 | 852.4 | 851.8 | 851.2 | 850.5 |
| 25° | 820.5 | 820.7 | 820.9 | 820.6 | 819.9 | 819.2 | 818.5 | 817.8 |
| 27.5° | 786.4 | 785.9 | 785.5 | 784.9 | 784.0 | 783.2 | 782.3 | 781.4 |
| 30° | 762.8 | 762.1 | 761.4 | 760.6 | 759.7 | 758.9 | 758.0 | 757.1 |
| 32.5° | 738.8 | 738.0 | 737.2 | 736.3 | 735.5 | 734.6 | 733.7 | 732.9 |
| 35° | 701.0 | 699.8 | 698.6 | 697.6 | 696.7 | 695.8 | 695.0 | 694.1 |
| 37.5° | 661.5 | 660.1 | 658.8 | 657.6 | 656.5 | 655.3 | 654.2 | 653.0 |
| 40° | 633.9 | 632.1 | 630.4 | 629.1 | 628.2 | 627.4 | 626.5 | 625.6 |
| 42.5° | 607.2 | 605.1 | 603.1 | 601.8 | 601.3 | 600.7 | 600.1 | 599.5 |
| 45° | 565.8 | 563.9 | 562.0 | 560.8 | 560.3 | 559.8 | 559.2 | 558.7 |
| 47.5° | 525.8 | 523.6 | 521.5 | 519.8 | 518.5 | 517.1 | 515.8 | 514.5 |
| 50° | 497.8 | 495.4 | 493.0 | 491.3 | 490.2 | 489.2 | 488.2 | 487.1 |
| 52.5° | 469.1 | 467.0 | 464.9 | 463.1 | 461.8 | 460.5 | 459.2 | 457.9 |
| 55° | 427.0 | 424.9 | 422.8 | 421.2 | 420.2 | 419.2 | 418.1 | 417.1 |
| 57.5° | 384.7 | 382.7 | 380.7 | 379.2 | 378.2 | 377.2 | 376.2 | 375.2 |
| 60° | 355.6 | 354.1 | 352.5 | 351.3 | 350.4 | 349.6 | 348.7 | 347.8 |
| 62.5° | 327.3 | 325.8 | 324.4 | 323.3 | 322.4 | 321.6 | 320.7 | 319.8 |
| 65° | 286.0 | 284.3 | 282.6 | 281.3 | 280.4 | 279.5 | 278.7 | 277.8 |
| 67.5° | 243.5 | 241.9 | 240.2 | 239.2 | 239.0 | 238.8 | 238.5 | 238.3 |
| 70° | 216.7 | 215.3 | 213.9 | 213.0 | 212.4 | 211.9 | 211.4 | 210.9 |
| 72.5° | 189.8 | 188.7 | 187.6 | 186.8 | 186.3 | 185.8 | 185.3 | 184.7 |
| 75° | 151.1 | 150.4 | 149.8 | 149.3 | 149.1 | 149.0 | 148.8 | 148.6 |
| 77.5° | 114.4 | 114.2 | 114.0 | 113.7 | 113.2 | 112.8 | 112.3 | 111.9 |
| 80° | 91.1 | 90.8 | 90.4 | 90.2 | 90.0 | 89.8 | 89.7 | 89.5 |
| 82.5° | 70.2 | 70.0 | 69.8 | 69.6 | 69.5 | 69.3 | 69.1 | 68.9 |
| 85° | 40.5 | 40.5 | 40.5 | 40.4 | 40.2 | 40.0 | 39.9 | 39.7 |
| 87.5° | 18.5 | 18.7 | 18.9 | 18.9 | 19.1 | 19.3 | 19.1 | 19.1 |
| 90° | 18.0 | 19.0 | 20.0 | 20.0 | 21.0 | 22.0 | 21.0 | 21.0 |
| 92.5° | 196.1 | 147.6 | 117.4 | 97.4 | 85.7 | 80.3 | 76.9 | 76.9 |
| 95° | 739.7 | 585.0 | 451.2 | 354.4 | 305.5 | 274.5 | 256.6 | 243.6 |
| 97.5° | 1093.0 | 1035.4 | 937.8 | 833.6 | 761.9 | 701.8 | 671.9 | 651.1 |
| 100° | 1204.0 | 1223.9 | 1175.0 | 1101.1 | 1014.3 | 953.4 | 923.4 | 915.5 |
| 102.5° | 1198.4 | 1297.4 | 1311.6 | 1280.8 | 1227.5 | 1183.4 | 1151.9 | 1145.5 |
| 105° | 1118.1 | 1290.8 | 1389.6 | 1430.6 | 1432.6 | 1424.6 | 1410.6 | 1404.6 |
| 107.5° | 1004.1 | 1188.0 | 1327.2 | 1416.2 | 1465.5 | 1488.3 | 1498.3 | 1500.9 |
| 110° | 935.4 | 1108.1 | 1252.9 | 1362.7 | 1433.6 | 1475.5 | 1493.5 | 1502.5 |



TEST NUMBER: P332570

CATALOG NUMBER: S124DIP-S575D1035U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 885.1 | 1037.8 | 1174.6 | 1284.4 | 1364.9 | 1415.6 | 1440.8 | 1455.3 |
| 115° | 834.6 | 957.4 | 1074.2 | 1170.0 | 1248.9 | 1308.8 | 1340.7 | 1348.7 |
| 117.5° | 809.8 | 911.5 | 1003.3 | 1084.6 | 1151.9 | 1202.2 | 1234.5 | 1240.7 |
| 120° | 798.6 | 891.5 | 971.4 | 1042.2 | 1099.1 | 1143.1 | 1169.0 | 1180.0 |
| 122.5° | 789.1 | 878.7 | 951.4 | 1013.5 | 1061.6 | 1099.1 | 1121.1 | 1132.1 |
| 125° | 772.7 | 858.5 | 927.4 | 982.3 | 1022.3 | 1051.2 | 1070.2 | 1076.2 |
| 127.5° | 752.7 | 834.8 | 903.5 | 955.6 | 995.7 | 1021.5 | 1037.4 | 1043.4 |
| 130° | 736.8 | 815.6 | 883.5 | 936.4 | 977.3 | 1002.3 | 1018.3 | 1024.3 |
| 132.5° | 720.0 | 794.1 | 860.3 | 913.3 | 953.4 | 981.5 | 996.7 | 1002.7 |
| 135° | 696.8 | 761.7 | 822.6 | 872.5 | 912.5 | 940.4 | 956.4 | 962.4 |
| 137.5° | 675.9 | 730.8 | 782.1 | 827.2 | 864.5 | 892.1 | 905.3 | 912.5 |
| 140° | 663.9 | 710.8 | 755.7 | 797.6 | 832.6 | 854.6 | 868.5 | 876.5 |
| 142.5° | 652.7 | 694.0 | 732.6 | 768.9 | 799.8 | 820.2 | 832.6 | 838.2 |
| 145° | 636.9 | 670.9 | 700.8 | 728.8 | 753.7 | 770.7 | 780.7 | 785.7 |
| 147.5° | 623.9 | 650.9 | 674.9 | 696.8 | 715.2 | 729.8 | 737.4 | 739.1 |
| 150° | 616.0 | 638.9 | 658.9 | 676.9 | 692.8 | 705.8 | 711.8 | 712.8 |
| 152.5° | 607.2 | 626.9 | 645.3 | 660.1 | 673.7 | 684.2 | 687.8 | 688.8 |
| 155° | 594.0 | 610.0 | 624.9 | 636.9 | 646.9 | 654.9 | 657.9 | 657.9 |
| 157.5° | 579.8 | 593.2 | 605.8 | 615.4 | 622.9 | 628.9 | 630.7 | 630.7 |
| 160° | 571.0 | 582.0 | 593.0 | 601.0 | 607.0 | 613.0 | 614.0 | 614.0 |
| 162.5° | 562.2 | 571.6 | 580.2 | 587.4 | 591.8 | 597.8 | 598.8 | 598.0 |
| 165° | 550.1 | 556.1 | 563.0 | 568.0 | 572.0 | 576.0 | 575.0 | 574.0 |
| 167.5° | 538.3 | 542.9 | 548.5 | 551.5 | 553.5 | 556.1 | 555.9 | 555.1 |
| 170° | 531.1 | 534.1 | 538.1 | 541.1 | 543.1 | 544.1 | 543.1 | 543.1 |
| 172.5° | 524.7 | 526.9 | 529.3 | 531.5 | 532.7 | 533.7 | 532.7 | 531.1 |
| 175° | 516.1 | 517.1 | 519.1 | 519.1 | 519.1 | 521.1 | 519.1 | 517.1 |
| 177.5° | 510.5 | 511.3 | 511.3 | 512.1 | 511.3 | 512.1 | 510.5 | 508.9 |
| 180° | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 |

(END OF REPORT)