

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: P332565-930

Luminaire Tested: **S124DIP-S575D1035U930-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332565-930
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: S124DIP-S575D1035U930-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5300.4 lumens
Efficiency: N/A
Efficacy: 119.1 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

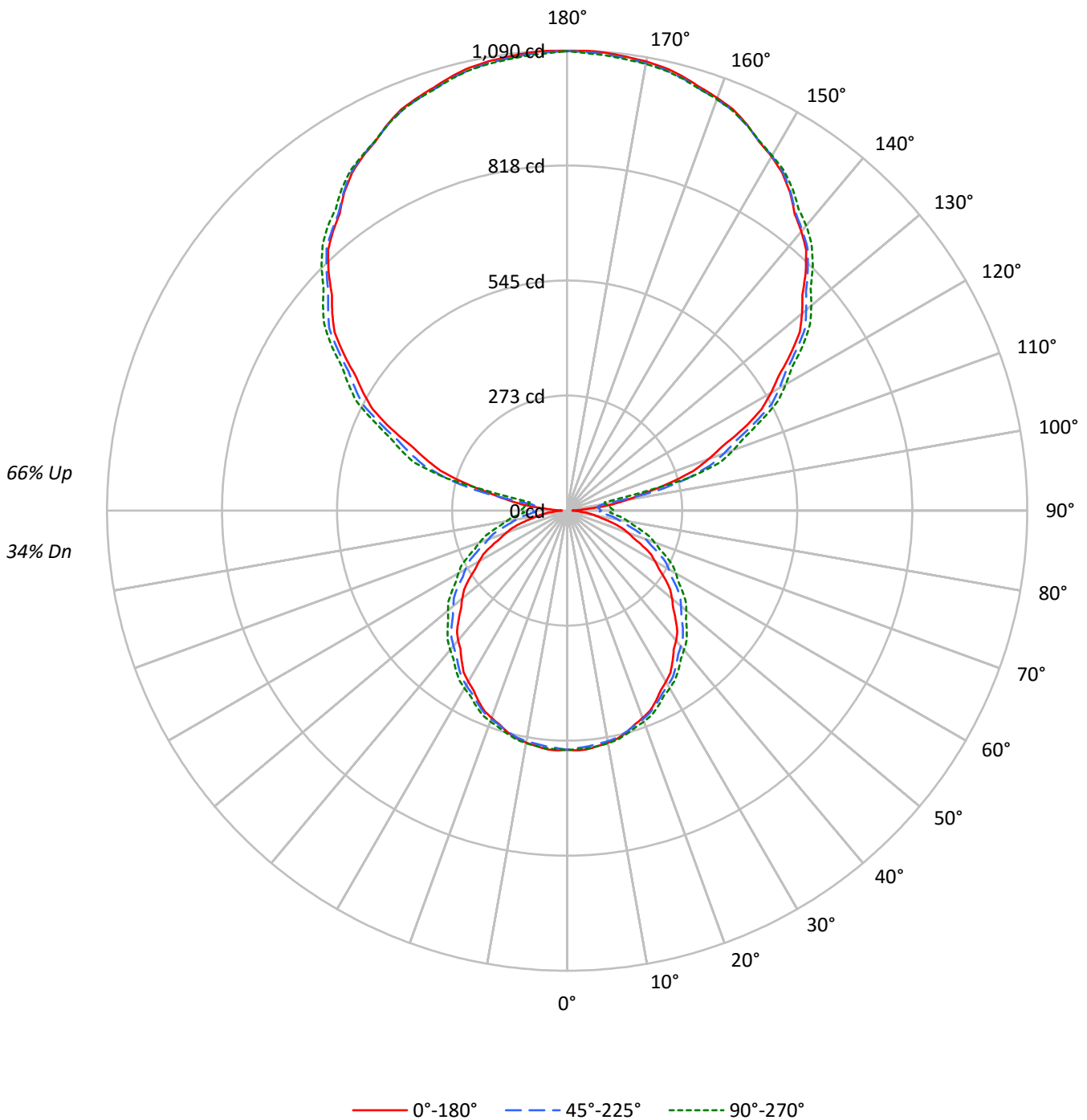
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332565-930

CATALOG NUMBER: S124DIP-S575D1035U930-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332565-930

CATALOG NUMBER: S124DIP-S575D1035U930-4F0-1E-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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 | 34 |
| 1 | 93 | 89 | 85 | 81 | 84 | 80 | 77 | 74 | 64 | 62 | 59 | 49 | 47 | 46 | 35 | 34 | 33 | 27 |
| 2 | 85 | 77 | 71 | 66 | 76 | 70 | 64 | 60 | 56 | 52 | 49 | 43 | 40 | 38 | 31 | 29 | 28 | 22 |
| 3 | 77 | 68 | 60 | 54 | 69 | 61 | 55 | 50 | 49 | 44 | 40 | 37 | 34 | 32 | 27 | 25 | 23 | 18 |
| 4 | 70 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 30 | 27 | 24 | 22 | 20 | 16 |
| 5 | 64 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 38 | 33 | 29 | 30 | 26 | 23 | 21 | 19 | 17 | 13 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 27 | 23 | 20 | 19 | 17 | 15 | 12 |
| 7 | 55 | 42 | 35 | 29 | 49 | 39 | 32 | 27 | 31 | 26 | 22 | 24 | 20 | 18 | 18 | 15 | 13 | 10 |
| 8 | 51 | 38 | 31 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 16 | 16 | 14 | 12 | 9 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8 |
| 10 | 44 | 32 | 25 | 20 | 39 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 12 | 14 | 11 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4574 | 4574 | 4574 |
| 5° | 4588 | 4470 | 4482 |
| 10° | 4560 | 4397 | 4393 |
| 15° | 4519 | 4312 | 4289 |
| 20° | 4458 | 4219 | 4187 |
| 25° | 4388 | 4114 | 4074 |
| 30° | 4313 | 4011 | 3959 |
| 35° | 4227 | 3903 | 3858 |
| 40° | 4160 | 3802 | 3753 |
| 45° | 4059 | 3708 | 3663 |
| 50° | 3973 | 3600 | 3567 |
| 55° | 3884 | 3499 | 3454 |
| 60° | 3746 | 3369 | 3353 |
| 65° | 3597 | 3231 | 3227 |
| 70° | 3414 | 3072 | 3080 |
| 75° | 3157 | 2896 | 2948 |
| 80° | 2873 | 2730 | 2819 |
| 85° | 2514 | 2579 | 2742 |



TEST NUMBER: P332565-930

CATALOG NUMBER: S124DIP-S575D1035U930-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.6 | 1.0 |
| 10°-20° | 153.7 | 2.9 |
| 20°-30° | 232.4 | 4.4 |
| 30°-40° | 281.2 | 5.3 |
| 40°-50° | 297.3 | 5.6 |
| 50°-60° | 279.8 | 5.3 |
| 60°-70° | 232.1 | 4.4 |
| 70°-80° | 163.1 | 3.1 |
| 80°-90° | 95.3 | 1.8 |
| 90°-100° | 92.0 | 1.7 |
| 100°-110° | 277.8 | 5.2 |
| 110°-120° | 481.1 | 9.1 |
| 120°-130° | 591.6 | 11.2 |
| 130°-140° | 623.2 | 11.8 |
| 140°-150° | 577.9 | 10.9 |
| 150°-160° | 465.0 | 8.8 |
| 160°-170° | 299.9 | 5.7 |
| 170°-180° | 103.4 | 1.9 |
| 0°-30° | 439.8 | 8.3 |
| 0°-40° | 721.0 | 13.6 |
| 0°-60° | 1298.1 | 24.5 |
| 0°-90° | 1788.6 | 33.7 |
| 90°-120° | 850.9 | 16.1 |
| 90°-150° | 2643.6 | 49.9 |
| 90°-180° | 3512.0 | 66.3 |
| 0°-180° | 5300.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 567 | 567 | 567 | 567 | 567 | |
| 5° | 567 | 565 | 561 | 566 | 565 | 54 |
| 15° | 544 | 544 | 542 | 548 | 548 | 153 |
| 25° | 497 | 501 | 503 | 510 | 511 | 229 |
| 35° | 435 | 443 | 449 | 458 | 460 | 272 |
| 45° | 363 | 375 | 387 | 397 | 401 | 280 |
| 55° | 284 | 298 | 317 | 329 | 333 | 253 |
| 65° | 197 | 217 | 239 | 254 | 260 | 195 |
| 75° | 109 | 133 | 159 | 176 | 183 | 116 |
| 85° | 34 | 60 | 89 | 107 | 114 | 36 |
| 90° | 13 | 47 | 81 | 103 | 111 | 9 |
| 95° | 53 | 48 | 73 | 94 | 102 | 64 |
| 105° | 251 | 269 | 296 | 316 | 295 | 263 |
| 115° | 461 | 470 | 489 | 504 | 509 | 454 |
| 125° | 646 | 649 | 662 | 676 | 682 | 576 |
| 135° | 799 | 799 | 806 | 817 | 823 | 615 |
| 145° | 920 | 922 | 922 | 927 | 931 | 575 |
| 155° | 1008 | 1009 | 1007 | 1010 | 1008 | 465 |
| 165° | 1064 | 1060 | 1060 | 1065 | 1059 | 300 |
| 175° | 1088 | 1084 | 1084 | 1090 | 1082 | 104 |
| 180° | 1088 | 1088 | 1088 | 1088 | 1088 | |



TEST NUMBER: P332565-930

CATALOG NUMBER: S124DIP-S575D1035U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 |
| 2.5° | 568.6 | 568.3 | 567.9 | 567.5 | 567.2 | 566.6 | 565.7 | 564.8 | 563.9 | 563.0 | 563.8 |
| 5° | 567.2 | 566.8 | 566.3 | 565.9 | 565.5 | 564.8 | 563.8 | 562.8 | 561.8 | 560.8 | 562.0 |
| 7.5° | 562.4 | 562.1 | 561.8 | 561.6 | 561.3 | 560.8 | 560.0 | 559.2 | 558.3 | 557.5 | 558.8 |
| 10° | 558.3 | 558.2 | 558.0 | 557.9 | 557.7 | 557.3 | 556.6 | 555.9 | 555.2 | 554.5 | 555.8 |
| 12.5° | 552.7 | 552.7 | 552.7 | 552.6 | 552.6 | 552.4 | 551.9 | 551.4 | 550.9 | 550.4 | 551.5 |
| 15° | 543.7 | 543.9 | 544.0 | 544.1 | 544.3 | 544.1 | 543.7 | 543.3 | 542.8 | 542.4 | 543.7 |
| 17.5° | 531.4 | 531.8 | 532.2 | 532.6 | 533.1 | 533.3 | 533.2 | 533.1 | 533.0 | 533.0 | 534.2 |
| 20° | 522.8 | 523.2 | 523.6 | 524.1 | 524.5 | 524.7 | 524.9 | 525.1 | 525.1 | 525.3 | 526.7 |
| 22.5° | 513.1 | 513.6 | 514.2 | 514.7 | 515.3 | 515.7 | 515.9 | 516.2 | 516.4 | 516.7 | 518.1 |
| 25° | 497.4 | 498.2 | 499.1 | 499.9 | 500.8 | 501.4 | 501.8 | 502.2 | 502.7 | 503.1 | 504.7 |
| 27.5° | 479.9 | 481.1 | 482.3 | 483.6 | 484.9 | 485.8 | 486.4 | 487.1 | 487.7 | 488.4 | 489.8 |
| 30° | 468.2 | 469.4 | 470.4 | 471.6 | 472.7 | 473.8 | 474.7 | 475.7 | 476.7 | 477.8 | 479.3 |
| 32.5° | 455.5 | 456.9 | 458.2 | 459.6 | 461.0 | 462.2 | 463.3 | 464.4 | 465.5 | 466.6 | 468.3 |
| 35° | 435.2 | 436.9 | 438.6 | 440.3 | 442.0 | 443.5 | 444.9 | 446.4 | 447.8 | 449.1 | 451.2 |
| 37.5° | 414.8 | 416.7 | 418.7 | 420.6 | 422.6 | 424.4 | 426.2 | 428.0 | 429.7 | 431.4 | 433.4 |
| 40° | 401.6 | 403.4 | 405.3 | 407.1 | 409.0 | 410.8 | 412.8 | 414.7 | 416.8 | 418.7 | 420.9 |
| 42.5° | 386.4 | 388.4 | 390.4 | 392.6 | 394.6 | 396.8 | 399.1 | 401.4 | 403.7 | 406.0 | 408.4 |
| 45° | 362.9 | 365.6 | 368.3 | 371.0 | 373.6 | 376.3 | 379.0 | 381.6 | 384.3 | 387.0 | 389.4 |
| 47.5° | 340.5 | 343.2 | 345.9 | 348.7 | 351.5 | 354.4 | 357.5 | 360.6 | 363.7 | 366.8 | 369.3 |
| 50° | 324.2 | 327.3 | 330.4 | 333.5 | 336.6 | 339.7 | 342.8 | 345.9 | 349.0 | 352.1 | 354.9 |
| 52.5° | 307.9 | 311.0 | 314.1 | 317.2 | 320.3 | 323.7 | 327.3 | 330.8 | 334.4 | 337.9 | 340.7 |
| 55° | 284.2 | 287.1 | 290.2 | 293.1 | 296.0 | 299.6 | 303.9 | 308.1 | 312.3 | 316.6 | 319.4 |
| 57.5° | 257.7 | 261.4 | 265.1 | 268.7 | 272.4 | 276.3 | 280.5 | 284.7 | 288.9 | 293.1 | 296.4 |
| 60° | 240.4 | 244.1 | 247.8 | 251.4 | 255.1 | 259.3 | 263.9 | 268.6 | 273.2 | 277.9 | 281.1 |
| 62.5° | 223.7 | 227.7 | 231.7 | 235.7 | 239.7 | 244.0 | 248.7 | 253.3 | 258.0 | 262.7 | 265.9 |
| 65° | 196.7 | 201.2 | 205.7 | 210.2 | 214.7 | 219.4 | 224.1 | 228.9 | 233.7 | 238.6 | 242.1 |
| 67.5° | 170.6 | 175.5 | 180.3 | 185.1 | 189.8 | 194.8 | 199.9 | 205.0 | 210.2 | 215.3 | 218.9 |
| 70° | 152.9 | 157.7 | 162.5 | 167.3 | 172.1 | 177.2 | 182.5 | 187.8 | 193.2 | 198.6 | 202.4 |
| 72.5° | 135.7 | 140.6 | 145.4 | 150.3 | 155.2 | 160.5 | 166.2 | 171.9 | 177.7 | 183.4 | 187.0 |
| 75° | 109.1 | 114.3 | 119.5 | 124.7 | 130.0 | 135.6 | 141.5 | 147.4 | 153.4 | 159.2 | 163.2 |
| 77.5° | 84.4 | 89.9 | 95.5 | 100.9 | 106.5 | 112.3 | 118.5 | 124.7 | 130.9 | 137.1 | 141.1 |
| 80° | 69.1 | 74.8 | 80.5 | 86.1 | 91.7 | 97.6 | 103.9 | 110.1 | 116.3 | 122.5 | 126.7 |
| 82.5° | 53.9 | 59.8 | 65.6 | 71.5 | 77.4 | 83.4 | 89.6 | 95.8 | 102.0 | 108.3 | 112.6 |
| 85° | 33.6 | 39.5 | 45.5 | 51.4 | 57.3 | 63.4 | 69.8 | 76.1 | 82.5 | 88.8 | 93.0 |
| 87.5° | 19.2 | 25.4 | 31.6 | 37.7 | 43.9 | 50.1 | 56.7 | 63.1 | 69.5 | 76.1 | 80.3 |
| 90° | 12.6 | 20.2 | 27.9 | 35.5 | 43.1 | 50.7 | 58.2 | 65.7 | 73.2 | 80.7 | 85.9 |
| 92.5° | 19.9 | 25.1 | 30.2 | 35.5 | 40.6 | 47.0 | 54.5 | 62.0 | 69.5 | 77.0 | 82.1 |
| 95° | 53.0 | 51.5 | 50.0 | 48.5 | 47.0 | 49.2 | 55.2 | 61.1 | 67.1 | 73.1 | 78.0 |
| 97.5° | 102.6 | 110.4 | 118.2 | 126.0 | 133.9 | 130.6 | 116.1 | 101.7 | 87.2 | 72.7 | 76.6 |
| 100° | 140.5 | 147.4 | 154.3 | 161.2 | 168.1 | 161.8 | 142.4 | 122.9 | 103.5 | 84.1 | 84.8 |
| 102.5° | 183.4 | 189.1 | 194.6 | 200.2 | 205.9 | 209.7 | 211.8 | 213.9 | 216.1 | 218.3 | 188.7 |
| 105° | 250.7 | 254.6 | 258.5 | 262.4 | 266.3 | 271.3 | 277.4 | 283.6 | 289.7 | 295.8 | 300.9 |
| 107.5° | 314.2 | 317.1 | 319.9 | 322.8 | 325.6 | 330.1 | 336.3 | 342.5 | 348.6 | 354.8 | 359.1 |
| 110° | 356.7 | 359.2 | 361.7 | 364.2 | 366.7 | 371.0 | 377.0 | 383.0 | 389.1 | 395.1 | 398.7 |



TEST NUMBER: P332565-930

CATALOG NUMBER: S124DIP-S575D1035U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 397.9 | 400.6 | 403.3 | 406.0 | 408.7 | 412.7 | 417.9 | 423.1 | 428.4 | 433.6 | 436.6 |
| 115° | 461.2 | 463.0 | 464.8 | 466.7 | 468.5 | 471.6 | 475.9 | 480.2 | 484.5 | 488.9 | 492.3 |
| 117.5° | 518.9 | 520.3 | 521.9 | 523.3 | 524.8 | 527.8 | 532.5 | 537.0 | 541.7 | 546.3 | 549.1 |
| 120° | 557.4 | 558.6 | 559.7 | 560.8 | 562.0 | 564.5 | 568.4 | 572.3 | 576.3 | 580.2 | 583.3 |
| 122.5° | 593.9 | 594.4 | 594.9 | 595.4 | 596.0 | 598.3 | 602.4 | 606.5 | 610.7 | 614.7 | 617.8 |
| 125° | 645.5 | 646.1 | 646.7 | 647.3 | 647.8 | 649.7 | 652.9 | 656.1 | 659.2 | 662.3 | 665.6 |
| 127.5° | 694.9 | 694.9 | 695.0 | 695.0 | 695.0 | 696.8 | 700.3 | 703.9 | 707.4 | 710.9 | 713.4 |
| 130° | 726.3 | 726.3 | 726.4 | 726.4 | 726.4 | 727.8 | 730.7 | 733.4 | 736.2 | 739.1 | 741.8 |
| 132.5° | 755.5 | 755.8 | 755.9 | 756.1 | 756.3 | 757.7 | 760.1 | 762.6 | 765.1 | 767.6 | 770.2 |
| 135° | 798.9 | 798.7 | 798.5 | 798.3 | 798.2 | 798.9 | 800.6 | 802.3 | 804.0 | 805.8 | 808.4 |
| 137.5° | 837.8 | 837.7 | 837.6 | 837.6 | 837.5 | 838.1 | 839.4 | 840.7 | 842.0 | 843.2 | 845.6 |
| 140° | 863.2 | 863.4 | 863.6 | 863.8 | 864.1 | 864.5 | 865.0 | 865.4 | 865.9 | 866.4 | 868.8 |
| 142.5° | 885.5 | 886.1 | 886.7 | 887.3 | 887.9 | 888.4 | 888.4 | 888.6 | 888.8 | 888.8 | 890.9 |
| 145° | 920.3 | 920.7 | 921.1 | 921.5 | 921.9 | 922.1 | 922.1 | 922.1 | 922.1 | 922.1 | 923.2 |
| 147.5° | 948.2 | 949.0 | 949.9 | 950.8 | 951.6 | 952.0 | 951.8 | 951.6 | 951.5 | 951.3 | 951.5 |
| 150° | 968.3 | 968.9 | 969.5 | 970.1 | 970.7 | 970.9 | 970.7 | 970.5 | 970.4 | 970.1 | 970.1 |
| 152.5° | 984.8 | 985.3 | 985.9 | 986.4 | 987.0 | 987.1 | 986.8 | 986.4 | 986.1 | 985.8 | 986.1 |
| 155° | 1008.4 | 1008.6 | 1008.8 | 1008.9 | 1009.1 | 1008.9 | 1008.4 | 1007.9 | 1007.3 | 1006.8 | 1007.5 |
| 157.5° | 1028.4 | 1028.3 | 1028.2 | 1028.1 | 1028.0 | 1027.6 | 1027.0 | 1026.4 | 1025.8 | 1025.2 | 1026.1 |
| 160° | 1040.2 | 1039.6 | 1039.1 | 1038.5 | 1038.0 | 1037.6 | 1037.5 | 1037.2 | 1037.1 | 1036.9 | 1038.0 |
| 162.5° | 1050.6 | 1049.9 | 1049.2 | 1048.5 | 1047.8 | 1047.4 | 1047.2 | 1047.0 | 1046.8 | 1046.7 | 1047.7 |
| 165° | 1063.7 | 1062.8 | 1061.9 | 1061.0 | 1060.1 | 1059.6 | 1059.6 | 1059.6 | 1059.6 | 1059.6 | 1061.1 |
| 167.5° | 1074.2 | 1073.3 | 1072.3 | 1071.4 | 1070.4 | 1069.9 | 1069.8 | 1069.7 | 1069.6 | 1069.4 | 1071.1 |
| 170° | 1080.0 | 1079.0 | 1077.8 | 1076.8 | 1075.7 | 1075.2 | 1075.4 | 1075.6 | 1075.8 | 1076.0 | 1077.4 |
| 172.5° | 1083.9 | 1082.9 | 1081.7 | 1080.7 | 1079.6 | 1079.1 | 1079.3 | 1079.5 | 1079.7 | 1079.9 | 1081.3 |
| 175° | 1088.2 | 1087.1 | 1086.0 | 1084.9 | 1083.9 | 1083.4 | 1083.5 | 1083.8 | 1083.9 | 1084.1 | 1085.7 |
| 177.5° | 1090.1 | 1089.1 | 1088.1 | 1087.1 | 1086.1 | 1085.7 | 1086.0 | 1086.3 | 1086.5 | 1086.9 | 1088.0 |
| 180° | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 |



TEST NUMBER: P332565-930

CATALOG NUMBER: S124DIP-S575D1035U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 |
| 2.5° | 564.6 | 565.3 | 566.1 | 566.5 | 566.4 | 566.2 | 566.1 | 566.1 |
| 5° | 563.1 | 564.2 | 565.3 | 565.8 | 565.7 | 565.6 | 565.4 | 565.2 |
| 7.5° | 560.1 | 561.3 | 562.6 | 563.2 | 563.0 | 562.9 | 562.7 | 562.6 |
| 10° | 557.0 | 558.3 | 559.5 | 560.1 | 560.0 | 559.9 | 559.7 | 559.5 |
| 12.5° | 552.8 | 553.9 | 555.1 | 555.6 | 555.6 | 555.5 | 555.5 | 555.5 |
| 15° | 544.9 | 546.3 | 547.5 | 548.0 | 548.0 | 547.8 | 547.6 | 547.5 |
| 17.5° | 535.5 | 536.8 | 538.1 | 538.7 | 538.6 | 538.5 | 538.3 | 538.3 |
| 20° | 528.2 | 529.5 | 530.9 | 531.7 | 531.7 | 531.7 | 531.7 | 531.7 |
| 22.5° | 519.5 | 520.9 | 522.3 | 523.2 | 523.3 | 523.6 | 523.8 | 524.1 |
| 25° | 506.2 | 507.8 | 509.3 | 510.1 | 510.3 | 510.5 | 510.5 | 510.7 |
| 27.5° | 491.3 | 492.7 | 494.2 | 495.0 | 495.1 | 495.3 | 495.5 | 495.6 |
| 30° | 480.9 | 482.4 | 484.0 | 484.9 | 485.1 | 485.4 | 485.7 | 486.0 |
| 32.5° | 470.1 | 471.9 | 473.7 | 474.7 | 475.0 | 475.2 | 475.6 | 475.8 |
| 35° | 453.1 | 455.1 | 457.1 | 458.3 | 458.7 | 459.1 | 459.5 | 460.0 |
| 37.5° | 435.5 | 437.4 | 439.4 | 440.7 | 441.1 | 441.6 | 442.0 | 442.5 |
| 40° | 423.0 | 425.1 | 427.2 | 428.5 | 429.1 | 429.7 | 430.2 | 430.8 |
| 42.5° | 410.7 | 413.0 | 415.4 | 416.8 | 417.3 | 417.7 | 418.2 | 418.6 |
| 45° | 391.8 | 394.2 | 396.6 | 398.1 | 398.8 | 399.6 | 400.2 | 401.0 |
| 47.5° | 371.8 | 374.3 | 376.7 | 378.4 | 379.3 | 380.1 | 381.0 | 381.8 |
| 50° | 357.8 | 360.6 | 363.4 | 365.3 | 366.1 | 366.9 | 367.8 | 368.6 |
| 52.5° | 343.6 | 346.3 | 349.2 | 351.0 | 351.9 | 352.7 | 353.5 | 354.4 |
| 55° | 322.2 | 325.1 | 327.8 | 329.7 | 330.5 | 331.4 | 332.2 | 333.0 |
| 57.5° | 299.8 | 303.2 | 306.6 | 308.6 | 309.4 | 310.1 | 311.0 | 311.8 |
| 60° | 284.4 | 287.6 | 290.8 | 293.0 | 294.2 | 295.3 | 296.4 | 297.6 |
| 62.5° | 269.1 | 272.4 | 275.7 | 277.8 | 278.9 | 280.1 | 281.2 | 282.3 |
| 65° | 245.6 | 249.2 | 252.7 | 254.9 | 256.1 | 257.2 | 258.4 | 259.5 |
| 67.5° | 222.5 | 226.1 | 229.7 | 232.0 | 233.1 | 234.2 | 235.3 | 236.4 |
| 70° | 206.2 | 210.0 | 213.8 | 216.2 | 217.2 | 218.2 | 219.2 | 220.1 |
| 72.5° | 190.7 | 194.4 | 198.1 | 200.5 | 201.6 | 202.7 | 203.8 | 204.9 |
| 75° | 167.1 | 171.0 | 175.0 | 177.7 | 178.9 | 180.2 | 181.5 | 182.7 |
| 77.5° | 145.2 | 149.2 | 153.2 | 155.9 | 157.2 | 158.6 | 159.9 | 161.3 |
| 80° | 130.9 | 135.1 | 139.3 | 142.0 | 143.2 | 144.3 | 145.4 | 146.6 |
| 82.5° | 116.9 | 121.2 | 125.6 | 128.4 | 129.6 | 130.9 | 132.1 | 133.4 |
| 85° | 97.3 | 101.5 | 105.7 | 108.6 | 110.0 | 111.4 | 112.8 | 114.2 |
| 87.5° | 84.6 | 88.9 | 93.3 | 96.0 | 97.3 | 98.7 | 100.0 | 101.3 |
| 90° | 91.1 | 96.2 | 101.4 | 104.8 | 106.2 | 107.7 | 109.3 | 110.7 |
| 92.5° | 87.2 | 92.2 | 97.3 | 100.4 | 101.6 | 102.8 | 104.0 | 105.2 |
| 95° | 82.9 | 87.8 | 92.7 | 95.9 | 97.3 | 98.7 | 100.2 | 101.7 |
| 97.5° | 80.4 | 84.1 | 88.0 | 90.6 | 92.0 | 93.4 | 94.7 | 96.1 |
| 100° | 85.5 | 86.3 | 87.0 | 87.9 | 89.1 | 90.3 | 91.4 | 92.5 |
| 102.5° | 159.3 | 129.8 | 100.3 | 86.2 | 87.3 | 88.4 | 89.5 | 90.7 |
| 105° | 306.1 | 311.3 | 316.4 | 316.3 | 311.0 | 305.6 | 300.1 | 294.7 |
| 107.5° | 363.3 | 367.6 | 371.9 | 374.9 | 376.5 | 378.2 | 379.9 | 381.6 |
| 110° | 402.3 | 405.9 | 409.5 | 412.1 | 413.8 | 415.5 | 417.2 | 418.8 |



TEST NUMBER: P332565-930

CATALOG NUMBER: S124DIP-S575D1035U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 439.7 | 442.7 | 445.8 | 448.3 | 450.0 | 451.8 | 453.7 | 455.5 |
| 115° | 495.8 | 499.2 | 502.7 | 504.9 | 505.9 | 506.9 | 507.9 | 508.9 |
| 117.5° | 552.0 | 554.8 | 557.7 | 559.6 | 560.7 | 561.7 | 562.8 | 563.9 |
| 120° | 586.5 | 589.7 | 592.9 | 594.8 | 595.7 | 596.4 | 597.2 | 597.9 |
| 122.5° | 620.9 | 623.9 | 626.9 | 628.8 | 629.4 | 630.1 | 630.7 | 631.4 |
| 125° | 668.8 | 672.1 | 675.2 | 677.4 | 678.4 | 679.4 | 680.4 | 681.5 |
| 127.5° | 715.8 | 718.3 | 720.7 | 722.3 | 723.1 | 723.9 | 724.7 | 725.5 |
| 130° | 744.4 | 747.2 | 749.9 | 751.7 | 752.5 | 753.4 | 754.2 | 755.0 |
| 132.5° | 772.8 | 775.4 | 778.0 | 779.7 | 780.4 | 781.1 | 781.8 | 782.5 |
| 135° | 811.0 | 813.6 | 816.2 | 818.2 | 819.4 | 820.6 | 821.7 | 823.0 |
| 137.5° | 848.2 | 850.6 | 853.0 | 854.6 | 855.2 | 855.7 | 856.4 | 857.0 |
| 140° | 871.1 | 873.6 | 876.0 | 877.6 | 878.5 | 879.3 | 880.2 | 881.1 |
| 142.5° | 892.8 | 894.9 | 896.9 | 898.2 | 898.8 | 899.4 | 900.1 | 900.7 |
| 145° | 924.2 | 925.2 | 926.3 | 927.2 | 928.1 | 929.0 | 930.0 | 930.9 |
| 147.5° | 951.8 | 952.0 | 952.3 | 952.8 | 953.4 | 954.0 | 954.6 | 955.3 |
| 150° | 970.1 | 970.1 | 970.1 | 970.2 | 970.5 | 970.6 | 970.8 | 970.9 |
| 152.5° | 986.3 | 986.7 | 986.9 | 987.0 | 986.9 | 986.8 | 986.7 | 986.6 |
| 155° | 1008.2 | 1008.9 | 1009.7 | 1009.7 | 1009.3 | 1008.7 | 1008.1 | 1007.6 |
| 157.5° | 1027.0 | 1028.0 | 1028.9 | 1028.9 | 1028.0 | 1027.0 | 1026.1 | 1025.2 |
| 160° | 1039.1 | 1040.2 | 1041.2 | 1041.2 | 1040.2 | 1039.1 | 1038.0 | 1036.9 |
| 162.5° | 1048.8 | 1049.9 | 1051.0 | 1050.9 | 1049.7 | 1048.5 | 1047.3 | 1046.0 |
| 165° | 1062.6 | 1064.0 | 1065.4 | 1065.4 | 1063.7 | 1062.1 | 1060.5 | 1058.8 |
| 167.5° | 1072.6 | 1074.2 | 1075.8 | 1075.7 | 1073.9 | 1072.1 | 1070.2 | 1068.4 |
| 170° | 1078.9 | 1080.3 | 1081.7 | 1081.6 | 1079.8 | 1078.0 | 1076.1 | 1074.3 |
| 172.5° | 1082.8 | 1084.2 | 1085.7 | 1085.4 | 1083.5 | 1081.5 | 1079.5 | 1077.6 |
| 175° | 1087.4 | 1089.0 | 1090.6 | 1090.3 | 1088.2 | 1086.0 | 1083.9 | 1081.7 |
| 177.5° | 1089.2 | 1090.3 | 1091.5 | 1091.2 | 1089.5 | 1087.8 | 1086.0 | 1084.3 |
| 180° | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 |

(END OF REPORT)