

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: P332592-930

Luminaire Tested: **S124DIP-S795D590U930-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332592-930
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-S795D590U930-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4565.1 lumens
Efficiency: N/A
Efficacy: 113.3 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: General Diffuse

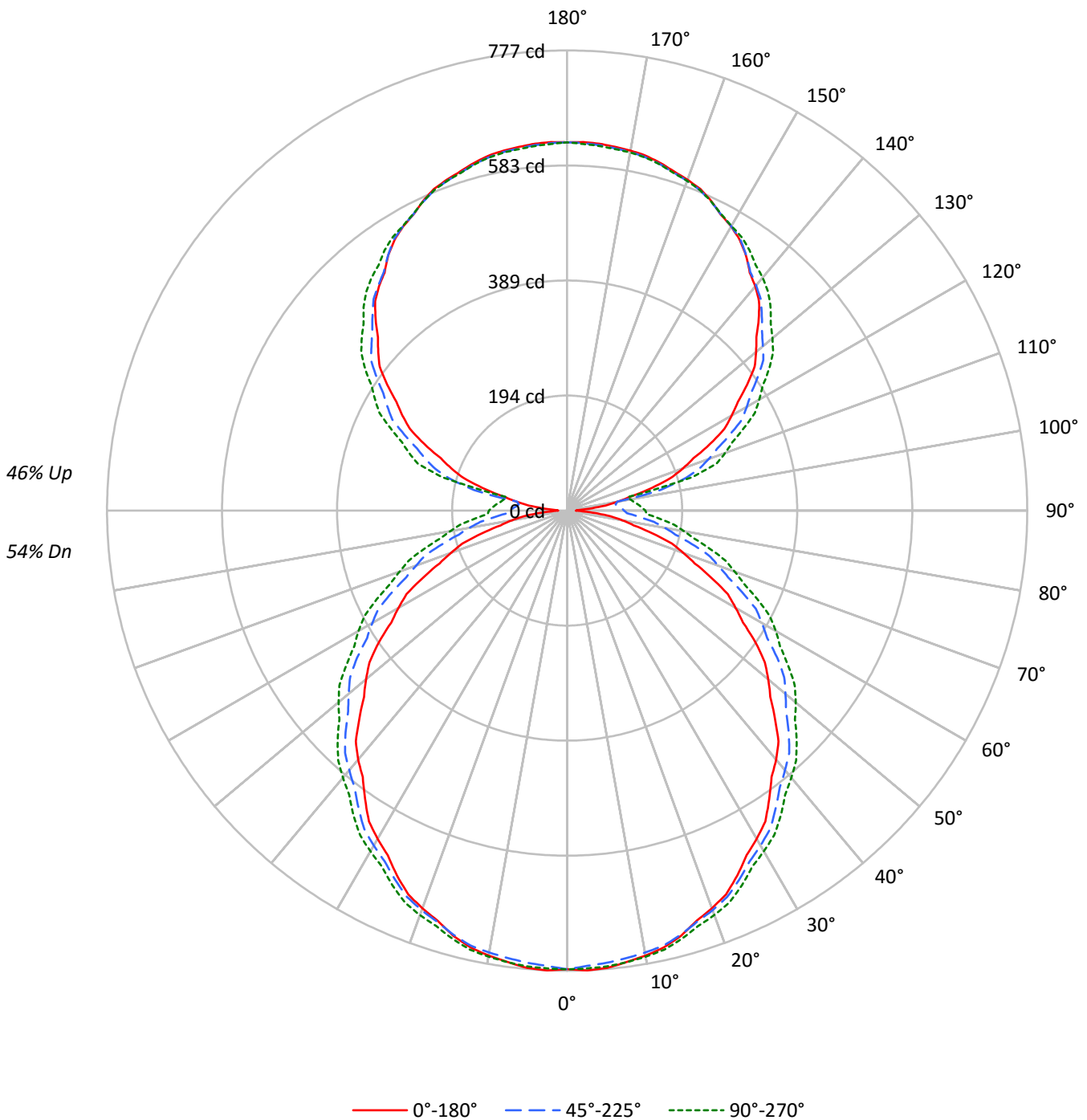
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332592-930

CATALOG NUMBER: S124DIP-S795D590U930-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332592-930

CATALOG NUMBER: S124DIP-S795D590U930-4F0-1E-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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 72 | 72 | 72 | 59 | 59 | 59 | 54 |
| 1 | 97 | 93 | 88 | 84 | 90 | 86 | 82 | 79 | 73 | 70 | 68 | 61 | 59 | 58 | 51 | 49 | 48 | 43 |
| 2 | 88 | 80 | 74 | 68 | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 53 | 50 | 47 | 44 | 42 | 40 | 35 |
| 3 | 80 | 70 | 62 | 56 | 74 | 65 | 58 | 53 | 56 | 50 | 46 | 47 | 43 | 39 | 39 | 36 | 33 | 29 |
| 4 | 73 | 62 | 54 | 47 | 67 | 57 | 50 | 44 | 49 | 43 | 39 | 41 | 37 | 33 | 34 | 31 | 28 | 25 |
| 5 | 67 | 55 | 46 | 40 | 62 | 51 | 44 | 38 | 44 | 38 | 33 | 37 | 32 | 29 | 31 | 27 | 24 | 21 |
| 6 | 62 | 49 | 41 | 35 | 57 | 46 | 38 | 33 | 39 | 33 | 29 | 33 | 29 | 25 | 28 | 24 | 21 | 18 |
| 7 | 57 | 44 | 36 | 30 | 53 | 41 | 34 | 29 | 36 | 30 | 25 | 30 | 26 | 22 | 25 | 22 | 19 | 16 |
| 8 | 53 | 40 | 32 | 27 | 49 | 38 | 30 | 25 | 32 | 27 | 22 | 28 | 23 | 20 | 23 | 20 | 17 | 14 |
| 9 | 49 | 37 | 29 | 24 | 45 | 34 | 27 | 22 | 30 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 15 | 13 |
| 10 | 46 | 34 | 26 | 21 | 43 | 31 | 25 | 20 | 27 | 22 | 18 | 23 | 19 | 16 | 20 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6252 | 6252 | 6252 |
| 5° | 6271 | 6110 | 6128 |
| 10° | 6233 | 6010 | 6006 |
| 15° | 6177 | 5894 | 5862 |
| 20° | 6093 | 5766 | 5723 |
| 25° | 5998 | 5624 | 5569 |
| 30° | 5895 | 5481 | 5411 |
| 35° | 5779 | 5336 | 5274 |
| 40° | 5685 | 5196 | 5129 |
| 45° | 5547 | 5069 | 5005 |
| 50° | 5430 | 4922 | 4876 |
| 55° | 5310 | 4783 | 4722 |
| 60° | 5121 | 4605 | 4583 |
| 65° | 4915 | 4414 | 4411 |
| 70° | 4666 | 4197 | 4210 |
| 75° | 4318 | 3960 | 4029 |
| 80° | 3929 | 3731 | 3851 |
| 85° | 3441 | 3526 | 3748 |



TEST NUMBER: P332592-930

CATALOG NUMBER: S124DIP-S795D590U930-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 73.3 | 1.6 |
| 10°-20° | 210.1 | 4.6 |
| 20°-30° | 317.7 | 7.0 |
| 30°-40° | 384.4 | 8.4 |
| 40°-50° | 406.4 | 8.9 |
| 50°-60° | 382.5 | 8.4 |
| 60°-70° | 317.3 | 7.0 |
| 70°-80° | 222.9 | 4.9 |
| 80°-90° | 127.8 | 2.8 |
| 90°-100° | 96.1 | 2.1 |
| 100°-110° | 191.0 | 4.2 |
| 110°-120° | 296.6 | 6.5 |
| 120°-130° | 350.3 | 7.7 |
| 130°-140° | 361.4 | 7.9 |
| 140°-150° | 331.3 | 7.3 |
| 150°-160° | 265.7 | 5.8 |
| 160°-170° | 171.4 | 3.8 |
| 170°-180° | 59.1 | 1.3 |
| 0°-30° | 601.2 | 13.2 |
| 0°-40° | 985.6 | 21.6 |
| 0°-60° | 1774.4 | 38.9 |
| 0°-90° | 2442.4 | 53.5 |
| 90°-120° | 583.6 | 12.8 |
| 90°-150° | 1626.5 | 35.6 |
| 90°-180° | 2123.0 | 46.5 |
| 0°-180° | 4565.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 774 | 774 | 774 | 774 | 774 | |
| 5° | 775 | 772 | 767 | 773 | 773 | 74 |
| 15° | 743 | 744 | 741 | 749 | 748 | 209 |
| 25° | 680 | 685 | 688 | 697 | 698 | 313 |
| 35° | 595 | 605 | 614 | 626 | 629 | 372 |
| 45° | 496 | 513 | 529 | 543 | 548 | 383 |
| 55° | 388 | 407 | 433 | 449 | 455 | 346 |
| 65° | 269 | 297 | 326 | 347 | 355 | 266 |
| 75° | 149 | 182 | 218 | 241 | 250 | 159 |
| 85° | 46 | 83 | 121 | 146 | 156 | 49 |
| 90° | 15 | 55 | 96 | 123 | 132 | 10 |
| 95° | 37 | 51 | 86 | 111 | 120 | 42 |
| 105° | 148 | 169 | 202 | 226 | 218 | 155 |
| 115° | 267 | 277 | 303 | 322 | 329 | 263 |
| 125° | 371 | 373 | 393 | 410 | 416 | 331 |
| 135° | 458 | 458 | 465 | 479 | 486 | 353 |
| 145° | 526 | 527 | 527 | 532 | 537 | 329 |
| 155° | 576 | 577 | 575 | 577 | 576 | 266 |
| 165° | 608 | 606 | 606 | 609 | 605 | 172 |
| 175° | 622 | 619 | 620 | 623 | 618 | 59 |
| 180° | 622 | 622 | 622 | 622 | 622 | |



TEST NUMBER: P332592-930

CATALOG NUMBER: S124DIP-S795D590U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 |
| 2.5° | 777.2 | 776.7 | 776.2 | 775.8 | 775.3 | 774.5 | 773.2 | 772.0 | 770.8 | 769.6 | 770.6 |
| 5° | 775.3 | 774.7 | 774.1 | 773.6 | 773.0 | 772.0 | 770.6 | 769.3 | 767.9 | 766.6 | 768.2 |
| 7.5° | 768.7 | 768.3 | 768.0 | 767.7 | 767.3 | 766.5 | 765.5 | 764.3 | 763.2 | 762.1 | 763.9 |
| 10° | 763.1 | 763.0 | 762.8 | 762.5 | 762.4 | 761.8 | 760.8 | 759.9 | 758.9 | 757.9 | 759.7 |
| 12.5° | 755.5 | 755.5 | 755.5 | 755.4 | 755.4 | 755.0 | 754.4 | 753.7 | 753.0 | 752.4 | 754.0 |
| 15° | 743.2 | 743.4 | 743.6 | 743.8 | 744.0 | 743.8 | 743.2 | 742.7 | 742.0 | 741.4 | 743.2 |
| 17.5° | 726.4 | 726.9 | 727.5 | 728.1 | 728.7 | 728.9 | 728.8 | 728.7 | 728.6 | 728.5 | 730.3 |
| 20° | 714.6 | 715.2 | 715.8 | 716.3 | 716.9 | 717.3 | 717.5 | 717.6 | 717.9 | 718.0 | 720.0 |
| 22.5° | 701.4 | 702.1 | 702.9 | 703.6 | 704.3 | 704.9 | 705.2 | 705.6 | 705.9 | 706.3 | 708.2 |
| 25° | 679.9 | 681.0 | 682.2 | 683.4 | 684.5 | 685.4 | 686.0 | 686.6 | 687.1 | 687.7 | 689.8 |
| 27.5° | 656.0 | 657.6 | 659.3 | 661.0 | 662.8 | 664.1 | 665.0 | 665.8 | 666.7 | 667.6 | 669.5 |
| 30° | 640.0 | 641.6 | 643.1 | 644.7 | 646.2 | 647.6 | 649.0 | 650.3 | 651.7 | 653.0 | 655.1 |
| 32.5° | 622.6 | 624.5 | 626.4 | 628.2 | 630.1 | 631.7 | 633.2 | 634.7 | 636.3 | 637.7 | 640.2 |
| 35° | 594.9 | 597.2 | 599.6 | 601.9 | 604.1 | 606.3 | 608.2 | 610.2 | 612.0 | 614.0 | 616.7 |
| 37.5° | 567.0 | 569.6 | 572.3 | 574.9 | 577.6 | 580.2 | 582.5 | 584.9 | 587.3 | 589.7 | 592.5 |
| 40° | 548.9 | 551.5 | 553.9 | 556.4 | 559.0 | 561.6 | 564.3 | 567.0 | 569.6 | 572.3 | 575.3 |
| 42.5° | 528.2 | 530.9 | 533.8 | 536.5 | 539.4 | 542.3 | 545.5 | 548.7 | 551.9 | 555.0 | 558.2 |
| 45° | 496.0 | 499.7 | 503.4 | 507.0 | 510.7 | 514.4 | 518.0 | 521.7 | 525.3 | 529.0 | 532.3 |
| 47.5° | 465.4 | 469.1 | 472.9 | 476.7 | 480.5 | 484.5 | 488.7 | 492.9 | 497.2 | 501.4 | 504.8 |
| 50° | 443.1 | 447.4 | 451.6 | 455.8 | 460.1 | 464.3 | 468.6 | 472.8 | 477.0 | 481.3 | 485.2 |
| 52.5° | 420.9 | 425.2 | 429.4 | 433.7 | 437.9 | 442.5 | 447.3 | 452.2 | 457.1 | 461.9 | 465.7 |
| 55° | 388.5 | 392.6 | 396.6 | 400.6 | 404.7 | 409.6 | 415.4 | 421.2 | 427.0 | 432.8 | 436.6 |
| 57.5° | 352.3 | 357.3 | 362.3 | 367.3 | 372.3 | 377.6 | 383.4 | 389.1 | 394.9 | 400.6 | 405.2 |
| 60° | 328.6 | 333.7 | 338.7 | 343.7 | 348.7 | 354.4 | 360.8 | 367.1 | 373.5 | 379.8 | 384.3 |
| 62.5° | 305.7 | 311.3 | 316.7 | 322.2 | 327.7 | 333.6 | 340.0 | 346.3 | 352.7 | 359.1 | 363.5 |
| 65° | 268.8 | 275.0 | 281.2 | 287.3 | 293.5 | 299.9 | 306.4 | 313.0 | 319.5 | 326.0 | 330.8 |
| 67.5° | 233.3 | 239.9 | 246.4 | 252.9 | 259.5 | 266.3 | 273.3 | 280.3 | 287.3 | 294.3 | 299.2 |
| 70° | 209.0 | 215.6 | 222.1 | 228.7 | 235.2 | 242.1 | 249.5 | 256.8 | 264.1 | 271.4 | 276.6 |
| 72.5° | 185.4 | 192.1 | 198.9 | 205.5 | 212.2 | 219.5 | 227.3 | 235.1 | 242.9 | 250.6 | 255.7 |
| 75° | 149.2 | 156.3 | 163.4 | 170.6 | 177.7 | 185.3 | 193.4 | 201.5 | 209.6 | 217.7 | 223.1 |
| 77.5° | 115.4 | 122.9 | 130.4 | 138.0 | 145.5 | 153.6 | 162.1 | 170.6 | 179.0 | 187.5 | 193.0 |
| 80° | 94.5 | 102.2 | 109.9 | 117.6 | 125.4 | 133.5 | 141.9 | 150.4 | 158.9 | 167.4 | 173.2 |
| 82.5° | 73.7 | 81.7 | 89.8 | 97.8 | 105.7 | 114.1 | 122.5 | 131.0 | 139.5 | 148.0 | 153.8 |
| 85° | 46.0 | 54.1 | 62.1 | 70.3 | 78.4 | 86.7 | 95.4 | 104.0 | 112.8 | 121.4 | 127.2 |
| 87.5° | 25.9 | 34.0 | 42.2 | 50.2 | 58.3 | 66.7 | 75.3 | 83.9 | 92.5 | 101.1 | 106.8 |
| 90° | 15.2 | 24.1 | 32.9 | 41.8 | 50.6 | 59.6 | 68.7 | 77.9 | 87.0 | 96.1 | 102.3 |
| 92.5° | 19.1 | 26.0 | 33.0 | 40.0 | 47.0 | 55.1 | 64.2 | 73.3 | 82.4 | 91.6 | 97.6 |
| 95° | 36.9 | 39.7 | 42.6 | 45.4 | 48.3 | 53.6 | 61.6 | 69.7 | 77.7 | 85.7 | 91.5 |
| 97.5° | 64.6 | 72.2 | 79.9 | 87.6 | 95.2 | 97.2 | 93.5 | 89.8 | 86.1 | 82.3 | 87.5 |
| 100° | 85.9 | 92.7 | 99.5 | 106.4 | 113.3 | 113.3 | 106.6 | 99.9 | 93.1 | 86.3 | 89.8 |
| 102.5° | 110.4 | 116.1 | 121.9 | 127.7 | 133.4 | 139.0 | 144.6 | 150.0 | 155.6 | 161.0 | 147.2 |
| 105° | 147.8 | 152.3 | 156.7 | 161.2 | 165.7 | 171.8 | 179.4 | 187.0 | 194.7 | 202.4 | 208.1 |
| 107.5° | 184.0 | 187.4 | 190.9 | 194.4 | 197.9 | 203.3 | 210.8 | 218.3 | 225.7 | 233.1 | 238.3 |
| 110° | 207.8 | 210.8 | 213.9 | 216.9 | 219.9 | 225.1 | 232.4 | 239.8 | 247.2 | 254.5 | 259.2 |



TEST NUMBER: P332592-930

CATALOG NUMBER: S124DIP-S795D590U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 231.0 | 233.9 | 236.8 | 239.8 | 242.8 | 247.6 | 254.3 | 261.1 | 267.7 | 274.5 | 278.8 |
| 115° | 266.6 | 268.6 | 270.7 | 272.7 | 274.8 | 278.8 | 284.9 | 290.9 | 297.0 | 303.0 | 307.5 |
| 117.5° | 299.4 | 300.8 | 302.3 | 303.8 | 305.2 | 308.9 | 315.0 | 320.9 | 326.9 | 332.8 | 336.8 |
| 120° | 321.1 | 322.0 | 323.0 | 324.0 | 325.0 | 328.2 | 333.7 | 339.2 | 344.7 | 350.2 | 354.2 |
| 122.5° | 341.9 | 342.3 | 342.6 | 343.0 | 343.3 | 346.3 | 351.6 | 357.1 | 362.5 | 367.9 | 371.9 |
| 125° | 370.9 | 371.1 | 371.3 | 371.5 | 371.8 | 374.1 | 378.8 | 383.4 | 388.0 | 392.6 | 396.6 |
| 127.5° | 399.0 | 398.9 | 398.8 | 398.7 | 398.6 | 400.6 | 404.8 | 409.0 | 413.2 | 417.4 | 420.8 |
| 130° | 416.5 | 416.5 | 416.4 | 416.2 | 416.1 | 417.8 | 421.2 | 424.6 | 428.0 | 431.4 | 435.0 |
| 132.5° | 433.3 | 433.3 | 433.3 | 433.3 | 433.3 | 434.6 | 437.5 | 440.3 | 443.2 | 446.1 | 449.5 |
| 135° | 457.5 | 457.4 | 457.3 | 457.2 | 457.1 | 458.0 | 459.7 | 461.5 | 463.2 | 465.0 | 468.2 |
| 137.5° | 479.7 | 479.6 | 479.4 | 479.3 | 479.2 | 479.6 | 480.7 | 481.8 | 482.9 | 484.0 | 487.1 |
| 140° | 494.2 | 494.2 | 494.2 | 494.3 | 494.3 | 494.5 | 494.9 | 495.3 | 495.7 | 496.1 | 498.9 |
| 142.5° | 506.5 | 506.9 | 507.2 | 507.6 | 507.9 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 510.5 |
| 145° | 526.4 | 526.5 | 526.6 | 526.8 | 526.8 | 526.9 | 526.9 | 526.9 | 526.9 | 526.9 | 528.2 |
| 147.5° | 542.3 | 542.7 | 543.1 | 543.5 | 543.8 | 544.0 | 543.9 | 543.8 | 543.6 | 543.6 | 543.8 |
| 150° | 553.8 | 554.1 | 554.2 | 554.5 | 554.7 | 554.8 | 554.6 | 554.6 | 554.5 | 554.3 | 554.3 |
| 152.5° | 562.8 | 563.1 | 563.4 | 563.7 | 563.9 | 564.0 | 563.9 | 563.7 | 563.5 | 563.3 | 563.5 |
| 155° | 576.3 | 576.3 | 576.4 | 576.5 | 576.7 | 576.5 | 576.3 | 575.9 | 575.6 | 575.3 | 575.7 |
| 157.5° | 587.7 | 587.6 | 587.5 | 587.5 | 587.4 | 587.2 | 586.9 | 586.5 | 586.1 | 585.8 | 586.4 |
| 160° | 594.4 | 594.0 | 593.7 | 593.5 | 593.1 | 592.9 | 592.8 | 592.7 | 592.6 | 592.5 | 593.1 |
| 162.5° | 600.3 | 599.9 | 599.5 | 599.2 | 598.8 | 598.5 | 598.3 | 598.3 | 598.2 | 598.1 | 598.7 |
| 165° | 607.8 | 607.3 | 606.8 | 606.3 | 605.8 | 605.5 | 605.5 | 605.5 | 605.5 | 605.5 | 606.3 |
| 167.5° | 613.8 | 613.3 | 612.7 | 612.2 | 611.6 | 611.3 | 611.3 | 611.2 | 611.1 | 611.1 | 612.0 |
| 170° | 617.2 | 616.5 | 615.9 | 615.3 | 614.7 | 614.4 | 614.5 | 614.6 | 614.7 | 614.8 | 615.6 |
| 172.5° | 619.4 | 618.7 | 618.2 | 617.5 | 616.9 | 616.6 | 616.8 | 616.9 | 616.9 | 617.0 | 617.9 |
| 175° | 621.8 | 621.2 | 620.5 | 620.0 | 619.3 | 619.1 | 619.1 | 619.3 | 619.4 | 619.5 | 620.4 |
| 177.5° | 622.9 | 622.3 | 621.7 | 621.2 | 620.6 | 620.4 | 620.5 | 620.7 | 620.9 | 621.0 | 621.7 |
| 180° | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 |



TEST NUMBER: P332592-930

CATALOG NUMBER: S124DIP-S795D590U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 | 774.5 |
| 2.5° | 771.7 | 772.8 | 773.9 | 774.4 | 774.2 | 774.0 | 773.9 | 773.7 |
| 5° | 769.7 | 771.3 | 772.7 | 773.5 | 773.2 | 773.1 | 772.9 | 772.7 |
| 7.5° | 765.6 | 767.3 | 769.1 | 769.8 | 769.6 | 769.4 | 769.2 | 769.1 |
| 10° | 761.4 | 763.1 | 764.9 | 765.6 | 765.5 | 765.2 | 765.1 | 764.9 |
| 12.5° | 755.5 | 757.2 | 758.7 | 759.5 | 759.5 | 759.4 | 759.4 | 759.3 |
| 15° | 744.9 | 746.7 | 748.4 | 749.2 | 749.0 | 748.8 | 748.6 | 748.4 |
| 17.5° | 732.0 | 733.8 | 735.6 | 736.4 | 736.2 | 736.1 | 735.9 | 735.7 |
| 20° | 721.9 | 723.8 | 725.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 |
| 22.5° | 710.1 | 712.0 | 714.0 | 715.1 | 715.4 | 715.7 | 716.0 | 716.3 |
| 25° | 691.9 | 694.1 | 696.2 | 697.3 | 697.5 | 697.7 | 697.9 | 698.1 |
| 27.5° | 671.5 | 673.4 | 675.5 | 676.5 | 676.8 | 677.0 | 677.3 | 677.4 |
| 30° | 657.2 | 659.3 | 661.5 | 662.8 | 663.2 | 663.5 | 663.9 | 664.3 |
| 32.5° | 642.6 | 645.1 | 647.4 | 648.9 | 649.2 | 649.6 | 650.0 | 650.4 |
| 35° | 619.4 | 622.1 | 624.8 | 626.4 | 627.0 | 627.5 | 628.2 | 628.8 |
| 37.5° | 595.2 | 597.9 | 600.6 | 602.3 | 602.9 | 603.6 | 604.1 | 604.8 |
| 40° | 578.1 | 581.1 | 583.9 | 585.7 | 586.5 | 587.3 | 588.1 | 588.8 |
| 42.5° | 561.4 | 564.6 | 567.8 | 569.7 | 570.3 | 571.0 | 571.6 | 572.2 |
| 45° | 535.6 | 538.8 | 542.1 | 544.2 | 545.2 | 546.2 | 547.1 | 548.0 |
| 47.5° | 508.2 | 511.6 | 515.0 | 517.2 | 518.4 | 519.6 | 520.7 | 521.9 |
| 50° | 489.0 | 492.8 | 496.7 | 499.2 | 500.3 | 501.6 | 502.7 | 503.9 |
| 52.5° | 469.6 | 473.4 | 477.3 | 479.8 | 480.9 | 482.1 | 483.2 | 484.5 |
| 55° | 440.4 | 444.3 | 448.2 | 450.7 | 451.8 | 453.0 | 454.1 | 455.3 |
| 57.5° | 409.9 | 414.4 | 419.0 | 421.8 | 422.9 | 424.0 | 425.1 | 426.2 |
| 60° | 388.7 | 393.1 | 397.5 | 400.6 | 402.1 | 403.7 | 405.2 | 406.8 |
| 62.5° | 367.9 | 372.3 | 376.7 | 379.8 | 381.3 | 382.9 | 384.3 | 385.9 |
| 65° | 335.7 | 340.6 | 345.4 | 348.5 | 350.1 | 351.6 | 353.1 | 354.7 |
| 67.5° | 304.1 | 309.0 | 313.9 | 317.1 | 318.6 | 320.1 | 321.6 | 323.1 |
| 70° | 281.8 | 287.1 | 292.3 | 295.5 | 296.9 | 298.2 | 299.5 | 300.9 |
| 72.5° | 260.7 | 265.8 | 270.8 | 274.1 | 275.6 | 277.1 | 278.6 | 280.1 |
| 75° | 228.4 | 233.8 | 239.3 | 242.8 | 244.6 | 246.3 | 248.0 | 249.7 |
| 77.5° | 198.4 | 203.9 | 209.4 | 213.0 | 214.9 | 216.7 | 218.6 | 220.5 |
| 80° | 179.0 | 184.7 | 190.5 | 194.1 | 195.7 | 197.2 | 198.8 | 200.3 |
| 82.5° | 159.8 | 165.8 | 171.7 | 175.5 | 177.2 | 178.9 | 180.6 | 182.3 |
| 85° | 133.0 | 138.8 | 144.6 | 148.4 | 150.3 | 152.2 | 154.2 | 156.1 |
| 87.5° | 112.5 | 118.2 | 123.9 | 127.7 | 129.4 | 131.1 | 132.9 | 134.6 |
| 90° | 108.5 | 114.7 | 120.9 | 124.9 | 126.6 | 128.4 | 130.1 | 131.9 |
| 92.5° | 103.6 | 109.7 | 115.8 | 119.6 | 121.2 | 122.8 | 124.3 | 125.9 |
| 95° | 97.3 | 103.1 | 109.0 | 112.8 | 114.6 | 116.5 | 118.3 | 120.2 |
| 97.5° | 92.5 | 97.7 | 102.8 | 106.2 | 108.0 | 109.7 | 111.5 | 113.2 |
| 100° | 93.3 | 96.7 | 100.1 | 102.6 | 104.0 | 105.5 | 107.0 | 108.4 |
| 102.5° | 133.2 | 119.3 | 105.4 | 99.2 | 100.8 | 102.2 | 103.8 | 105.3 |
| 105° | 213.9 | 219.6 | 225.3 | 227.1 | 224.9 | 222.7 | 220.5 | 218.4 |
| 107.5° | 243.5 | 248.7 | 253.9 | 257.4 | 259.2 | 261.0 | 262.7 | 264.5 |
| 110° | 263.8 | 268.5 | 273.0 | 276.3 | 278.2 | 280.1 | 281.8 | 283.7 |



TEST NUMBER: P332592-930

CATALOG NUMBER: S124DIP-S795D590U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 283.0 | 287.2 | 291.5 | 294.6 | 296.4 | 298.4 | 300.4 | 302.2 |
| 115° | 311.9 | 316.4 | 320.8 | 323.8 | 325.1 | 326.4 | 327.8 | 329.1 |
| 117.5° | 340.8 | 344.7 | 348.7 | 351.4 | 352.9 | 354.4 | 356.0 | 357.4 |
| 120° | 358.3 | 362.4 | 366.5 | 369.2 | 370.5 | 371.8 | 373.2 | 374.5 |
| 122.5° | 375.9 | 379.8 | 383.8 | 386.5 | 387.6 | 388.8 | 390.0 | 391.2 |
| 125° | 400.6 | 404.6 | 408.5 | 411.2 | 412.4 | 413.6 | 414.9 | 416.1 |
| 127.5° | 424.2 | 427.5 | 431.0 | 433.3 | 434.6 | 435.8 | 437.0 | 438.2 |
| 130° | 438.5 | 442.1 | 445.6 | 448.0 | 449.2 | 450.4 | 451.5 | 452.7 |
| 132.5° | 452.9 | 456.3 | 459.7 | 462.0 | 463.1 | 464.1 | 465.2 | 466.3 |
| 135° | 471.6 | 474.8 | 478.1 | 480.5 | 481.8 | 483.1 | 484.5 | 485.9 |
| 137.5° | 490.2 | 493.2 | 496.2 | 498.1 | 499.0 | 500.0 | 500.9 | 501.8 |
| 140° | 501.7 | 504.5 | 507.4 | 509.3 | 510.4 | 511.4 | 512.5 | 513.6 |
| 142.5° | 513.0 | 515.4 | 517.8 | 519.4 | 520.2 | 521.1 | 522.0 | 522.8 |
| 145° | 529.5 | 530.7 | 532.0 | 533.0 | 534.0 | 535.0 | 536.0 | 537.0 |
| 147.5° | 544.0 | 544.3 | 544.5 | 545.0 | 545.7 | 546.4 | 547.1 | 547.9 |
| 150° | 554.3 | 554.3 | 554.3 | 554.4 | 554.5 | 554.6 | 554.7 | 554.8 |
| 152.5° | 563.6 | 563.8 | 563.9 | 564.0 | 563.9 | 563.9 | 563.8 | 563.8 |
| 155° | 576.1 | 576.5 | 576.9 | 577.0 | 576.7 | 576.3 | 576.1 | 575.8 |
| 157.5° | 586.9 | 587.4 | 587.9 | 587.9 | 587.4 | 586.9 | 586.4 | 585.8 |
| 160° | 593.7 | 594.4 | 595.0 | 595.0 | 594.4 | 593.7 | 593.1 | 592.5 |
| 162.5° | 599.3 | 599.9 | 600.5 | 600.5 | 599.8 | 599.1 | 598.4 | 597.7 |
| 165° | 607.2 | 608.0 | 608.9 | 608.8 | 607.8 | 606.9 | 606.0 | 605.0 |
| 167.5° | 612.9 | 613.8 | 614.7 | 614.7 | 613.7 | 612.6 | 611.6 | 610.6 |
| 170° | 616.4 | 617.3 | 618.2 | 618.0 | 617.0 | 616.0 | 614.9 | 613.9 |
| 172.5° | 618.7 | 619.5 | 620.4 | 620.2 | 619.1 | 618.0 | 616.9 | 615.7 |
| 175° | 621.3 | 622.2 | 623.2 | 623.1 | 621.8 | 620.5 | 619.3 | 618.1 |
| 177.5° | 622.4 | 623.1 | 623.7 | 623.5 | 622.6 | 621.6 | 620.5 | 619.5 |
| 180° | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 | 621.8 |

(END OF REPORT)