

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: P332541-930

Luminaire Tested: **S124DIP-S575D365U930-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332541-930
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-S575D365U930-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3224.6 lumens
Efficiency: N/A
Efficacy: 117.3 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: Semi-Direct

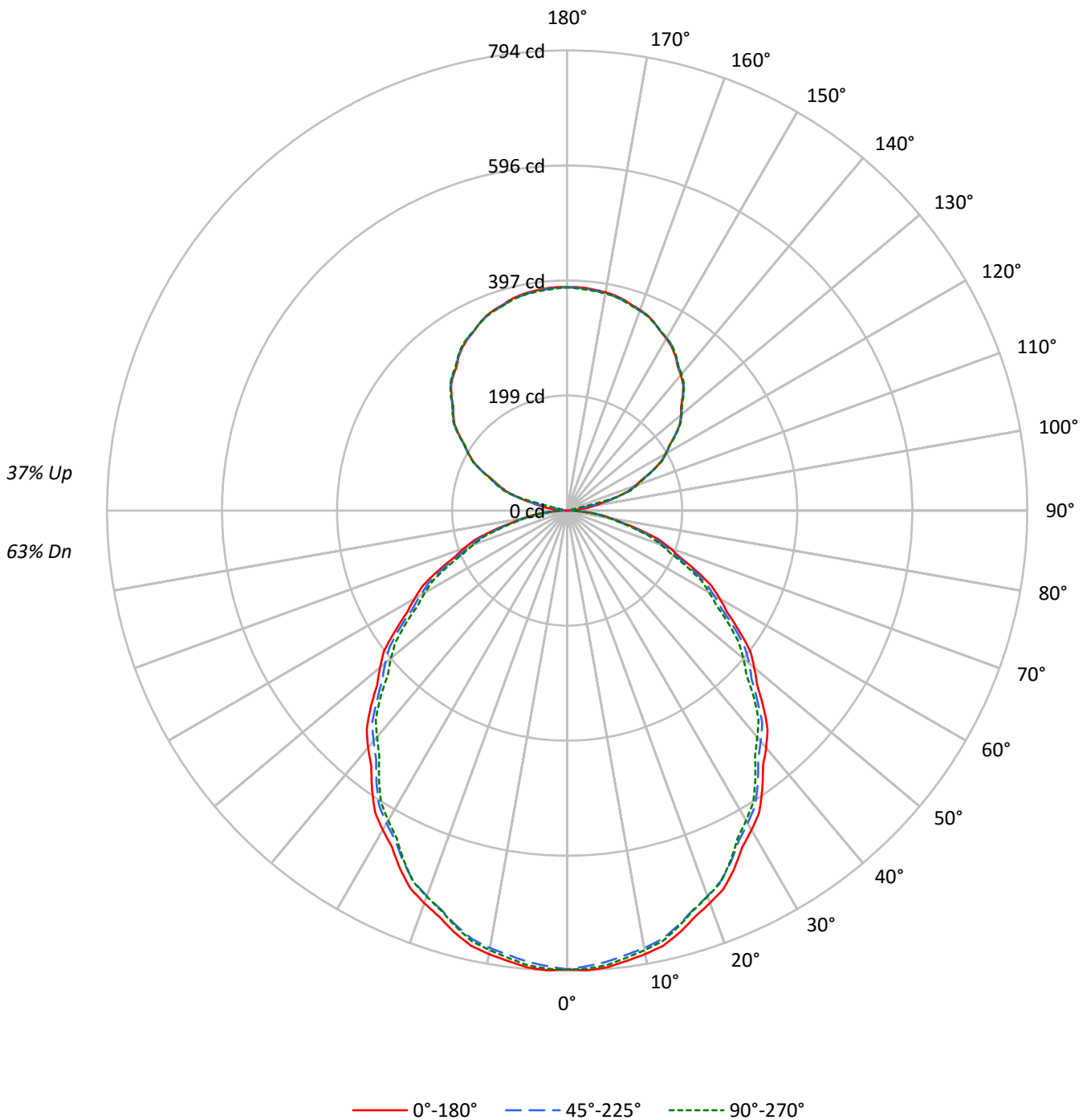
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332541-930

CATALOG NUMBER: S124DIP-S575D365U930-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332541-930

CATALOG NUMBER: S124DIP-S575D365U930-4F0-1E-UDD-F

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 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 91 | 91 | 91 | 79 | 79 | 79 | 68 | 68 | 68 | 63 |
| 1 | 101 | 96 | 92 | 89 | 94 | 90 | 87 | 84 | 79 | 77 | 74 | 69 | 67 | 66 | 60 | 59 | 57 | 53 |
| 2 | 92 | 84 | 78 | 72 | 86 | 79 | 73 | 69 | 70 | 65 | 62 | 61 | 58 | 55 | 53 | 51 | 48 | 44 |
| 3 | 84 | 74 | 66 | 60 | 78 | 70 | 63 | 57 | 61 | 56 | 52 | 54 | 50 | 46 | 47 | 44 | 41 | 38 |
| 4 | 77 | 65 | 57 | 51 | 71 | 62 | 54 | 49 | 55 | 49 | 44 | 48 | 43 | 40 | 42 | 38 | 35 | 32 |
| 5 | 70 | 58 | 50 | 44 | 66 | 55 | 48 | 42 | 49 | 43 | 38 | 43 | 38 | 35 | 38 | 34 | 31 | 28 |
| 6 | 65 | 52 | 44 | 38 | 61 | 50 | 42 | 37 | 44 | 38 | 33 | 39 | 34 | 30 | 34 | 30 | 27 | 25 |
| 7 | 60 | 47 | 39 | 34 | 56 | 45 | 37 | 32 | 40 | 34 | 30 | 36 | 31 | 27 | 31 | 27 | 24 | 22 |
| 8 | 56 | 43 | 35 | 30 | 52 | 41 | 34 | 29 | 37 | 31 | 26 | 33 | 28 | 24 | 29 | 25 | 22 | 20 |
| 9 | 52 | 39 | 32 | 27 | 49 | 37 | 30 | 26 | 34 | 28 | 24 | 30 | 25 | 22 | 27 | 23 | 20 | 18 |
| 10 | 49 | 36 | 29 | 24 | 46 | 34 | 28 | 23 | 31 | 25 | 21 | 28 | 23 | 20 | 25 | 21 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6391 | 6391 | 6391 |
| 5° | 6412 | 6334 | 6380 |
| 10° | 6370 | 6283 | 6314 |
| 15° | 6294 | 6193 | 6209 |
| 20° | 6192 | 6082 | 6088 |
| 25° | 6075 | 5956 | 5940 |
| 30° | 5931 | 5808 | 5754 |
| 35° | 5784 | 5653 | 5577 |
| 40° | 5630 | 5476 | 5376 |
| 45° | 5469 | 5302 | 5200 |
| 50° | 5291 | 5148 | 4987 |
| 55° | 5098 | 4947 | 4787 |
| 60° | 4907 | 4721 | 4579 |
| 65° | 4690 | 4508 | 4327 |
| 70° | 4447 | 4223 | 4057 |
| 75° | 4077 | 3877 | 3780 |
| 80° | 3626 | 3477 | 3394 |
| 85° | 3168 | 3057 | 3001 |



TEST NUMBER: P332541-930

CATALOG NUMBER: S124DIP-S575D365U930-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.6 | 2.3 |
| 10°-20° | 210.1 | 6.5 |
| 20°-30° | 309.2 | 9.6 |
| 30°-40° | 359.5 | 11.1 |
| 40°-50° | 359.5 | 11.1 |
| 50°-60° | 314.5 | 9.8 |
| 60°-70° | 233.5 | 7.2 |
| 70°-80° | 132.7 | 4.1 |
| 80°-90° | 39.4 | 1.2 |
| 90°-100° | 13.2 | 0.4 |
| 100°-110° | 84.0 | 2.6 |
| 110°-120° | 160.7 | 5.0 |
| 120°-130° | 204.0 | 6.3 |
| 130°-140° | 218.3 | 6.8 |
| 140°-150° | 204.1 | 6.3 |
| 150°-160° | 164.6 | 5.1 |
| 160°-170° | 106.2 | 3.3 |
| 170°-180° | 36.6 | 1.1 |
| 0°-30° | 593.9 | 18.4 |
| 0°-40° | 953.4 | 29.6 |
| 0°-60° | 1627.3 | 50.5 |
| 0°-90° | 2032.9 | 63.0 |
| 90°-120° | 257.9 | 8.0 |
| 90°-150° | 884.3 | 27.4 |
| 90°-180° | 1192.0 | 37.0 |
| 0°-180° | 3224.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 792 | 792 | 792 | 792 | 792 | |
| 5° | 791 | 788 | 782 | 788 | 787 | 75 |
| 15° | 753 | 750 | 741 | 744 | 743 | 212 |
| 25° | 682 | 677 | 669 | 669 | 667 | 314 |
| 35° | 587 | 582 | 574 | 569 | 566 | 367 |
| 45° | 479 | 474 | 464 | 458 | 456 | 369 |
| 55° | 362 | 360 | 352 | 344 | 340 | 324 |
| 65° | 246 | 242 | 236 | 230 | 226 | 243 |
| 75° | 131 | 128 | 124 | 122 | 121 | 139 |
| 85° | 34 | 34 | 33 | 33 | 32 | 38 |
| 90° | 1 | 4 | 6 | 8 | 9 | 3 |
| 95° | 16 | 7 | 6 | 8 | 8 | 20 |
| 105° | 87 | 88 | 90 | 92 | 82 | 91 |
| 115° | 162 | 163 | 162 | 163 | 163 | 159 |
| 125° | 228 | 229 | 228 | 229 | 229 | 203 |
| 135° | 282 | 282 | 283 | 284 | 284 | 217 |
| 145° | 326 | 326 | 326 | 327 | 327 | 203 |
| 155° | 357 | 357 | 356 | 357 | 357 | 165 |
| 165° | 377 | 375 | 375 | 377 | 375 | 106 |
| 175° | 385 | 384 | 384 | 386 | 383 | 37 |
| 180° | 385 | 385 | 385 | 385 | 385 | |



TEST NUMBER: P332541-930

CATALOG NUMBER: S124DIP-S575D365U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 |
| 2.5° | 793.8 | 793.4 | 793.1 | 792.8 | 792.5 | 791.7 | 790.4 | 789.2 | 787.9 | 786.7 | 787.8 |
| 5° | 791.2 | 790.6 | 790.0 | 789.5 | 788.9 | 787.8 | 786.3 | 784.7 | 783.2 | 781.6 | 783.2 |
| 7.5° | 783.7 | 783.2 | 782.7 | 782.1 | 781.5 | 780.4 | 778.7 | 777.0 | 775.2 | 773.5 | 774.8 |
| 10° | 777.1 | 776.7 | 776.1 | 775.5 | 774.9 | 773.7 | 771.9 | 770.1 | 768.3 | 766.4 | 767.5 |
| 12.5° | 768.6 | 768.0 | 767.4 | 766.9 | 766.3 | 765.1 | 763.1 | 761.2 | 759.2 | 757.2 | 758.5 |
| 15° | 753.1 | 752.5 | 752.0 | 751.4 | 750.8 | 749.5 | 747.4 | 745.3 | 743.1 | 741.0 | 741.8 |
| 17.5° | 734.4 | 733.7 | 733.0 | 732.3 | 731.6 | 730.3 | 728.2 | 726.3 | 724.2 | 722.3 | 722.8 |
| 20° | 720.7 | 720.0 | 719.3 | 718.6 | 717.9 | 716.5 | 714.4 | 712.2 | 710.1 | 708.0 | 708.4 |
| 22.5° | 706.0 | 705.1 | 704.2 | 703.2 | 702.3 | 700.7 | 698.6 | 696.5 | 694.4 | 692.3 | 693.1 |
| 25° | 682.0 | 681.0 | 680.0 | 679.1 | 678.1 | 676.6 | 674.6 | 672.6 | 670.7 | 668.7 | 668.9 |
| 27.5° | 654.6 | 653.6 | 652.6 | 651.6 | 650.5 | 649.1 | 647.3 | 645.5 | 643.6 | 641.8 | 641.5 |
| 30° | 636.3 | 635.2 | 634.1 | 632.9 | 631.9 | 630.3 | 628.5 | 626.6 | 624.8 | 623.1 | 622.5 |
| 32.5° | 617.0 | 616.0 | 615.0 | 614.0 | 613.0 | 611.5 | 609.6 | 607.6 | 605.7 | 603.7 | 603.1 |
| 35° | 586.9 | 585.9 | 584.9 | 583.9 | 582.9 | 581.4 | 579.4 | 577.5 | 575.5 | 573.6 | 572.5 |
| 37.5° | 555.0 | 554.1 | 553.2 | 552.3 | 551.4 | 549.9 | 547.8 | 545.7 | 543.6 | 541.4 | 540.4 |
| 40° | 534.2 | 533.0 | 531.9 | 530.8 | 529.7 | 528.1 | 525.9 | 523.8 | 521.7 | 519.6 | 518.2 |
| 42.5° | 511.8 | 511.2 | 510.5 | 509.8 | 509.2 | 507.6 | 505.3 | 503.0 | 500.6 | 498.3 | 496.7 |
| 45° | 479.0 | 478.0 | 477.0 | 476.1 | 475.1 | 473.4 | 471.2 | 468.9 | 466.7 | 464.4 | 462.8 |
| 47.5° | 444.6 | 443.9 | 443.3 | 442.5 | 441.9 | 440.5 | 438.5 | 436.3 | 434.2 | 432.2 | 430.4 |
| 50° | 421.3 | 420.7 | 420.1 | 419.6 | 419.0 | 417.8 | 415.8 | 413.8 | 411.8 | 409.9 | 407.9 |
| 52.5° | 398.4 | 397.8 | 397.1 | 396.4 | 395.7 | 394.4 | 392.2 | 390.2 | 388.1 | 386.0 | 384.3 |
| 55° | 362.2 | 361.8 | 361.4 | 361.0 | 360.6 | 359.4 | 357.4 | 355.4 | 353.4 | 351.5 | 349.8 |
| 57.5° | 327.8 | 327.3 | 326.8 | 326.3 | 325.8 | 324.7 | 322.7 | 320.7 | 318.8 | 316.8 | 315.2 |
| 60° | 303.9 | 303.2 | 302.5 | 301.7 | 301.1 | 299.8 | 298.0 | 296.1 | 294.3 | 292.4 | 291.2 |
| 62.5° | 280.5 | 280.0 | 279.3 | 278.8 | 278.2 | 276.9 | 275.0 | 273.0 | 271.1 | 269.1 | 268.0 |
| 65° | 245.5 | 244.8 | 244.1 | 243.4 | 242.7 | 241.7 | 240.3 | 238.8 | 237.4 | 236.0 | 234.6 |
| 67.5° | 210.3 | 209.6 | 209.0 | 208.3 | 207.7 | 206.7 | 205.3 | 204.0 | 202.6 | 201.2 | 199.9 |
| 70° | 188.4 | 187.4 | 186.5 | 185.5 | 184.5 | 183.4 | 182.3 | 181.2 | 180.0 | 178.9 | 177.8 |
| 72.5° | 165.1 | 164.1 | 163.1 | 162.1 | 161.1 | 160.2 | 159.3 | 158.4 | 157.5 | 156.5 | 155.6 |
| 75° | 130.7 | 130.0 | 129.3 | 128.6 | 127.8 | 127.2 | 126.5 | 125.7 | 125.1 | 124.3 | 123.8 |
| 77.5° | 97.8 | 97.5 | 97.2 | 96.9 | 96.6 | 96.1 | 95.5 | 94.9 | 94.2 | 93.7 | 93.4 |
| 80° | 78.0 | 77.6 | 77.2 | 76.8 | 76.3 | 76.0 | 75.7 | 75.4 | 75.2 | 74.8 | 74.6 |
| 82.5° | 58.8 | 58.5 | 58.4 | 58.1 | 58.0 | 57.8 | 57.8 | 57.7 | 57.6 | 57.6 | 57.4 |
| 85° | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.1 | 33.8 | 33.6 | 33.3 | 33.0 | 33.0 |
| 87.5° | 13.4 | 13.4 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 |
| 90° | 0.9 | 1.5 | 2.3 | 3.0 | 3.7 | 4.3 | 4.8 | 5.3 | 5.8 | 6.4 | 6.7 |
| 92.5° | 3.7 | 3.7 | 3.7 | 3.8 | 3.8 | 4.1 | 4.6 | 5.1 | 5.6 | 6.1 | 6.5 |
| 95° | 15.8 | 13.7 | 11.5 | 9.3 | 7.2 | 6.1 | 6.1 | 6.2 | 6.3 | 6.4 | 6.7 |
| 97.5° | 33.7 | 35.0 | 36.4 | 37.7 | 39.1 | 36.2 | 29.0 | 21.9 | 14.8 | 7.6 | 7.7 |
| 100° | 47.3 | 48.4 | 49.6 | 50.7 | 51.9 | 48.0 | 39.2 | 30.3 | 21.5 | 12.7 | 11.6 |
| 102.5° | 62.5 | 63.3 | 64.2 | 65.0 | 65.9 | 65.7 | 64.6 | 63.4 | 62.2 | 61.1 | 49.3 |
| 105° | 86.7 | 87.1 | 87.5 | 87.9 | 88.3 | 88.6 | 88.9 | 89.3 | 89.6 | 89.9 | 90.5 |
| 107.5° | 109.3 | 109.4 | 109.7 | 109.8 | 110.1 | 110.3 | 110.8 | 111.2 | 111.6 | 112.1 | 112.3 |
| 110° | 124.5 | 124.7 | 124.8 | 125.1 | 125.2 | 125.6 | 125.9 | 126.3 | 126.7 | 127.1 | 127.2 |



TEST NUMBER: P332541-930

CATALOG NUMBER: S124DIP-S575D365U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 139.3 | 139.6 | 139.9 | 140.2 | 140.6 | 140.9 | 141.0 | 141.2 | 141.4 | 141.6 | 141.5 |
| 115° | 161.9 | 162.2 | 162.3 | 162.5 | 162.7 | 162.7 | 162.7 | 162.7 | 162.6 | 162.5 | 162.7 |
| 117.5° | 182.4 | 182.6 | 182.9 | 183.2 | 183.4 | 183.6 | 183.8 | 183.9 | 184.0 | 184.2 | 184.2 |
| 120° | 196.2 | 196.5 | 196.7 | 197.0 | 197.2 | 197.3 | 197.3 | 197.2 | 197.1 | 197.1 | 197.2 |
| 122.5° | 209.1 | 209.3 | 209.5 | 209.6 | 209.8 | 209.9 | 209.9 | 210.0 | 210.1 | 210.3 | 210.3 |
| 125° | 227.6 | 227.9 | 228.1 | 228.4 | 228.7 | 228.7 | 228.6 | 228.4 | 228.4 | 228.2 | 228.4 |
| 127.5° | 245.2 | 245.2 | 245.2 | 245.3 | 245.4 | 245.6 | 245.9 | 246.1 | 246.5 | 246.8 | 246.7 |
| 130° | 256.4 | 256.5 | 256.6 | 256.7 | 256.7 | 256.8 | 257.0 | 257.2 | 257.4 | 257.6 | 257.6 |
| 132.5° | 266.8 | 266.9 | 267.0 | 267.2 | 267.3 | 267.4 | 267.7 | 267.9 | 268.2 | 268.4 | 268.5 |
| 135° | 282.3 | 282.3 | 282.3 | 282.2 | 282.1 | 282.2 | 282.5 | 282.7 | 283.0 | 283.2 | 283.4 |
| 137.5° | 296.1 | 296.2 | 296.2 | 296.2 | 296.3 | 296.4 | 296.7 | 296.9 | 297.3 | 297.5 | 297.7 |
| 140° | 305.2 | 305.2 | 305.4 | 305.5 | 305.7 | 305.7 | 305.9 | 306.1 | 306.1 | 306.3 | 306.5 |
| 142.5° | 313.2 | 313.4 | 313.6 | 313.9 | 314.1 | 314.3 | 314.4 | 314.5 | 314.5 | 314.6 | 314.7 |
| 145° | 325.6 | 325.8 | 326.0 | 326.2 | 326.4 | 326.4 | 326.4 | 326.4 | 326.4 | 326.4 | 326.5 |
| 147.5° | 335.4 | 335.8 | 336.1 | 336.6 | 336.9 | 337.0 | 337.0 | 336.9 | 336.8 | 336.8 | 336.8 |
| 150° | 342.6 | 342.8 | 343.1 | 343.4 | 343.6 | 343.7 | 343.6 | 343.6 | 343.5 | 343.5 | 343.5 |
| 152.5° | 348.6 | 348.8 | 349.0 | 349.2 | 349.4 | 349.4 | 349.4 | 349.2 | 349.1 | 349.0 | 349.1 |
| 155° | 357.0 | 357.1 | 357.1 | 357.2 | 357.3 | 357.2 | 357.0 | 356.8 | 356.6 | 356.4 | 356.7 |
| 157.5° | 364.1 | 364.0 | 364.0 | 363.9 | 363.9 | 363.8 | 363.6 | 363.4 | 363.1 | 363.0 | 363.3 |
| 160° | 368.3 | 368.0 | 367.9 | 367.7 | 367.5 | 367.4 | 367.3 | 367.2 | 367.1 | 367.0 | 367.5 |
| 162.5° | 371.9 | 371.7 | 371.5 | 371.2 | 371.0 | 370.8 | 370.7 | 370.6 | 370.6 | 370.6 | 371.0 |
| 165° | 376.6 | 376.3 | 375.9 | 375.6 | 375.3 | 375.1 | 375.1 | 375.1 | 375.1 | 375.1 | 375.7 |
| 167.5° | 380.3 | 379.9 | 379.6 | 379.3 | 379.0 | 378.8 | 378.7 | 378.7 | 378.6 | 378.6 | 379.2 |
| 170° | 382.4 | 382.0 | 381.6 | 381.2 | 380.8 | 380.7 | 380.7 | 380.8 | 380.8 | 380.9 | 381.4 |
| 172.5° | 383.8 | 383.4 | 382.9 | 382.6 | 382.2 | 382.0 | 382.1 | 382.2 | 382.2 | 382.3 | 382.8 |
| 175° | 385.2 | 384.8 | 384.5 | 384.1 | 383.7 | 383.5 | 383.6 | 383.7 | 383.8 | 383.8 | 384.4 |
| 177.5° | 386.0 | 385.6 | 385.2 | 384.8 | 384.5 | 384.3 | 384.5 | 384.6 | 384.7 | 384.7 | 385.2 |
| 180° | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 |



TEST NUMBER: P332541-930

CATALOG NUMBER: S124DIP-S575D365U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 | 791.7 |
| 2.5° | 789.0 | 790.1 | 791.2 | 791.7 | 791.6 | 791.5 | 791.4 | 791.2 |
| 5° | 784.7 | 786.3 | 787.8 | 788.5 | 788.1 | 787.9 | 787.6 | 787.3 |
| 7.5° | 776.0 | 777.2 | 778.4 | 779.0 | 778.9 | 778.7 | 778.5 | 778.3 |
| 10° | 768.7 | 769.8 | 770.9 | 771.4 | 771.0 | 770.8 | 770.5 | 770.2 |
| 12.5° | 759.8 | 761.0 | 762.2 | 762.6 | 762.2 | 761.8 | 761.5 | 761.1 |
| 15° | 742.7 | 743.6 | 744.4 | 744.6 | 744.2 | 743.8 | 743.3 | 742.9 |
| 17.5° | 723.3 | 723.8 | 724.4 | 724.5 | 724.2 | 723.9 | 723.7 | 723.4 |
| 20° | 708.9 | 709.3 | 709.7 | 709.8 | 709.5 | 709.2 | 709.0 | 708.7 |
| 22.5° | 693.8 | 694.6 | 695.4 | 695.5 | 695.0 | 694.5 | 694.0 | 693.4 |
| 25° | 669.0 | 669.1 | 669.3 | 669.0 | 668.5 | 667.9 | 667.3 | 666.8 |
| 27.5° | 641.2 | 640.7 | 640.4 | 639.9 | 639.2 | 638.5 | 637.8 | 637.1 |
| 30° | 621.9 | 621.3 | 620.8 | 620.1 | 619.4 | 618.7 | 618.0 | 617.3 |
| 32.5° | 602.3 | 601.7 | 601.0 | 600.3 | 599.7 | 598.9 | 598.2 | 597.5 |
| 35° | 571.5 | 570.5 | 569.6 | 568.8 | 568.0 | 567.3 | 566.6 | 565.9 |
| 37.5° | 539.3 | 538.2 | 537.1 | 536.1 | 535.2 | 534.3 | 533.4 | 532.4 |
| 40° | 516.8 | 515.4 | 514.0 | 512.9 | 512.2 | 511.5 | 510.8 | 510.1 |
| 42.5° | 495.0 | 493.3 | 491.7 | 490.6 | 490.2 | 489.8 | 489.3 | 488.8 |
| 45° | 461.3 | 459.7 | 458.2 | 457.2 | 456.8 | 456.4 | 455.9 | 455.5 |
| 47.5° | 428.7 | 426.9 | 425.2 | 423.8 | 422.7 | 421.6 | 420.5 | 419.5 |
| 50° | 405.9 | 403.9 | 401.9 | 400.6 | 399.7 | 398.8 | 398.0 | 397.1 |
| 52.5° | 382.5 | 380.7 | 379.0 | 377.6 | 376.5 | 375.4 | 374.4 | 373.3 |
| 55° | 348.1 | 346.4 | 344.7 | 343.4 | 342.6 | 341.8 | 340.9 | 340.1 |
| 57.5° | 313.6 | 312.0 | 310.4 | 309.2 | 308.3 | 307.5 | 306.7 | 305.9 |
| 60° | 289.9 | 288.7 | 287.4 | 286.4 | 285.7 | 285.0 | 284.3 | 283.6 |
| 62.5° | 266.8 | 265.6 | 264.5 | 263.6 | 262.9 | 262.2 | 261.5 | 260.7 |
| 65° | 233.2 | 231.8 | 230.4 | 229.3 | 228.6 | 227.9 | 227.2 | 226.5 |
| 67.5° | 198.5 | 197.2 | 195.8 | 195.0 | 194.9 | 194.7 | 194.4 | 194.3 |
| 70° | 176.7 | 175.5 | 174.4 | 173.7 | 173.2 | 172.8 | 172.4 | 171.9 |
| 72.5° | 154.7 | 153.8 | 153.0 | 152.3 | 151.9 | 151.5 | 151.1 | 150.6 |
| 75° | 123.2 | 122.6 | 122.1 | 121.7 | 121.6 | 121.5 | 121.3 | 121.2 |
| 77.5° | 93.3 | 93.1 | 92.9 | 92.7 | 92.3 | 92.0 | 91.6 | 91.2 |
| 80° | 74.3 | 74.0 | 73.7 | 73.5 | 73.4 | 73.2 | 73.1 | 73.0 |
| 82.5° | 57.2 | 57.1 | 56.9 | 56.7 | 56.7 | 56.5 | 56.3 | 56.2 |
| 85° | 33.0 | 33.0 | 33.0 | 32.9 | 32.8 | 32.6 | 32.5 | 32.4 |
| 87.5° | 13.6 | 13.7 | 13.8 | 13.8 | 13.9 | 13.9 | 13.9 | 13.9 |
| 90° | 7.1 | 7.5 | 7.9 | 8.2 | 8.2 | 8.4 | 8.5 | 8.6 |
| 92.5° | 6.8 | 7.3 | 7.7 | 7.8 | 7.9 | 7.9 | 7.9 | 8.0 |
| 95° | 7.1 | 7.5 | 7.9 | 8.1 | 8.2 | 8.2 | 8.3 | 8.3 |
| 97.5° | 7.7 | 7.7 | 7.7 | 7.8 | 7.9 | 7.9 | 8.0 | 8.1 |
| 100° | 10.5 | 9.4 | 8.3 | 7.8 | 7.9 | 7.9 | 8.0 | 8.1 |
| 102.5° | 37.6 | 25.8 | 14.1 | 8.2 | 8.2 | 8.2 | 8.3 | 8.3 |
| 105° | 91.1 | 91.6 | 92.2 | 91.3 | 89.0 | 86.7 | 84.4 | 82.1 |
| 107.5° | 112.7 | 112.9 | 113.2 | 113.5 | 113.7 | 114.0 | 114.2 | 114.5 |
| 110° | 127.3 | 127.4 | 127.6 | 127.8 | 127.9 | 128.2 | 128.3 | 128.5 |



TEST NUMBER: P332541-930

CATALOG NUMBER: S124DIP-S575D365U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 141.5 | 141.5 | 141.5 | 141.6 | 141.9 | 142.1 | 142.4 | 142.6 |
| 115° | 162.7 | 162.9 | 163.1 | 163.1 | 163.1 | 163.1 | 163.1 | 163.1 |
| 117.5° | 184.1 | 184.1 | 184.1 | 184.0 | 184.0 | 184.0 | 184.0 | 183.9 |
| 120° | 197.3 | 197.5 | 197.6 | 197.6 | 197.5 | 197.3 | 197.2 | 197.1 |
| 122.5° | 210.3 | 210.4 | 210.5 | 210.5 | 210.3 | 210.3 | 210.1 | 210.0 |
| 125° | 228.6 | 228.8 | 228.9 | 229.1 | 229.2 | 229.3 | 229.3 | 229.3 |
| 127.5° | 246.7 | 246.6 | 246.6 | 246.5 | 246.5 | 246.5 | 246.4 | 246.4 |
| 130° | 257.7 | 257.8 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 | 257.9 |
| 132.5° | 268.6 | 268.6 | 268.7 | 268.7 | 268.6 | 268.6 | 268.6 | 268.5 |
| 135° | 283.5 | 283.6 | 283.7 | 283.9 | 284.0 | 284.1 | 284.3 | 284.4 |
| 137.5° | 297.8 | 298.0 | 298.1 | 298.2 | 298.1 | 298.1 | 298.0 | 298.0 |
| 140° | 306.6 | 306.9 | 307.0 | 307.2 | 307.3 | 307.3 | 307.4 | 307.4 |
| 142.5° | 314.9 | 315.0 | 315.1 | 315.2 | 315.3 | 315.3 | 315.3 | 315.3 |
| 145° | 326.6 | 326.7 | 326.7 | 326.8 | 326.9 | 327.1 | 327.2 | 327.3 |
| 147.5° | 336.9 | 337.0 | 337.0 | 337.0 | 337.1 | 337.1 | 337.2 | 337.3 |
| 150° | 343.5 | 343.5 | 343.5 | 343.5 | 343.6 | 343.6 | 343.6 | 343.7 |
| 152.5° | 349.2 | 349.3 | 349.4 | 349.4 | 349.4 | 349.4 | 349.4 | 349.3 |
| 155° | 356.9 | 357.2 | 357.4 | 357.5 | 357.3 | 357.1 | 356.9 | 356.7 |
| 157.5° | 363.6 | 363.9 | 364.3 | 364.3 | 363.9 | 363.6 | 363.3 | 363.0 |
| 160° | 367.9 | 368.3 | 368.6 | 368.6 | 368.3 | 367.9 | 367.5 | 367.0 |
| 162.5° | 371.3 | 371.7 | 372.1 | 372.0 | 371.6 | 371.2 | 370.7 | 370.3 |
| 165° | 376.2 | 376.7 | 377.2 | 377.2 | 376.6 | 376.0 | 375.4 | 374.9 |
| 167.5° | 379.8 | 380.3 | 380.8 | 380.8 | 380.2 | 379.5 | 378.9 | 378.3 |
| 170° | 382.0 | 382.5 | 382.9 | 382.9 | 382.3 | 381.6 | 381.0 | 380.3 |
| 172.5° | 383.4 | 383.8 | 384.3 | 384.3 | 383.6 | 382.9 | 382.2 | 381.5 |
| 175° | 385.0 | 385.6 | 386.1 | 386.0 | 385.2 | 384.5 | 383.7 | 382.9 |
| 177.5° | 385.6 | 386.0 | 386.5 | 386.3 | 385.7 | 385.1 | 384.5 | 383.8 |
| 180° | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 | 385.2 |

(END OF REPORT)