

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: P331315-930

Luminaire Tested: **SA2XXDIP-C485D925U930-4F0-1E-UDD-D**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331315-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C485D925U930-4F0-1E-UDD-D
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

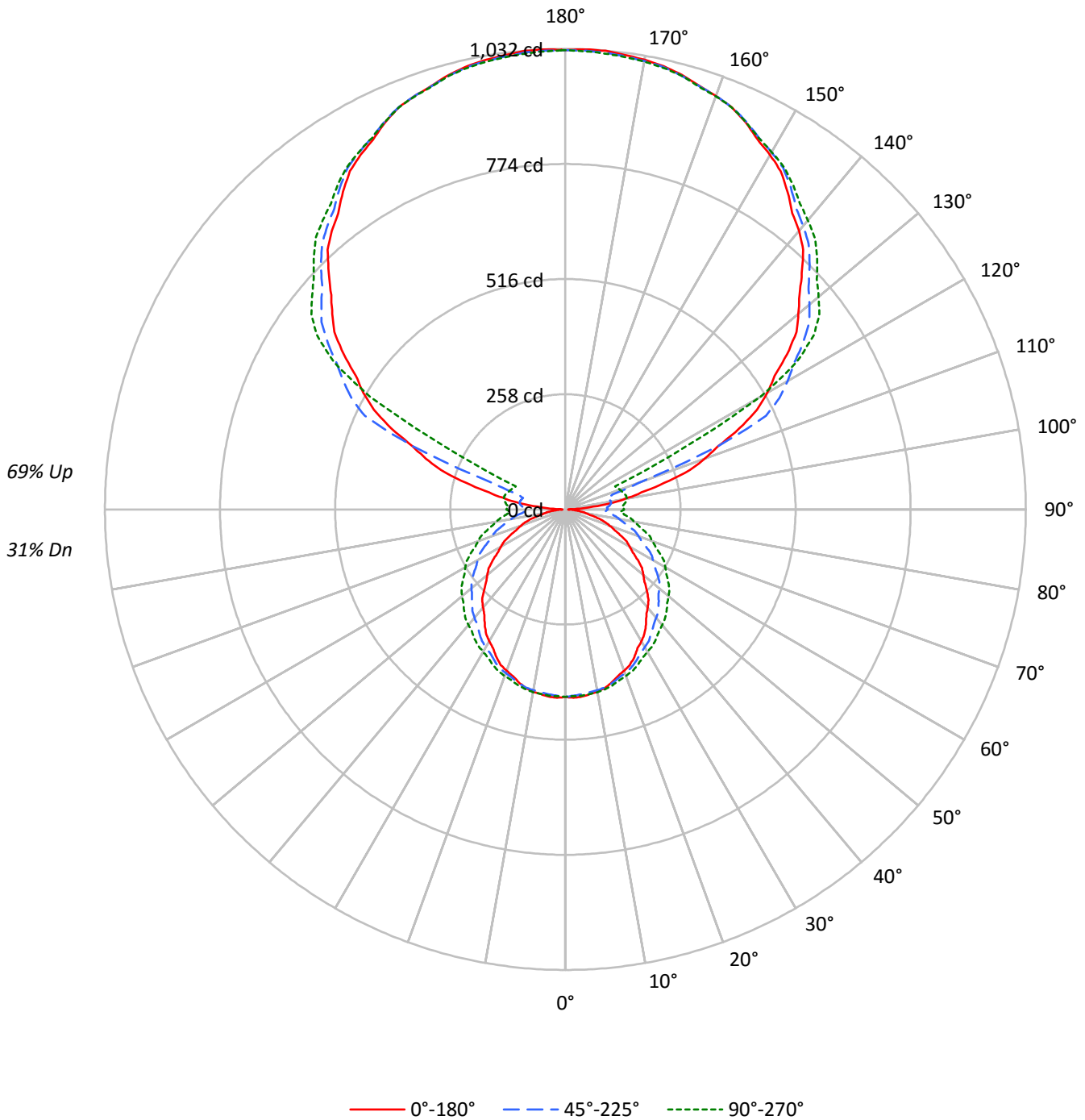
Lumens per Lamp: N/A
Luminaire Lumens: 4621.1 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

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: P331315-930
CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331315-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-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 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 | 31 |
| 1 | 93 | 88 | 84 | 80 | 83 | 79 | 76 | 72 | 62 | 60 | 58 | 47 | 45 | 44 | 33 | 32 | 31 | 24 |
| 2 | 84 | 76 | 70 | 65 | 75 | 68 | 63 | 59 | 54 | 50 | 47 | 41 | 38 | 36 | 28 | 26 | 25 | 19 |
| 3 | 76 | 67 | 59 | 53 | 68 | 60 | 54 | 48 | 47 | 43 | 39 | 35 | 32 | 30 | 25 | 23 | 21 | 16 |
| 4 | 70 | 59 | 51 | 45 | 62 | 53 | 46 | 41 | 42 | 37 | 33 | 31 | 28 | 25 | 22 | 20 | 18 | 13 |
| 5 | 64 | 52 | 44 | 38 | 57 | 47 | 40 | 35 | 37 | 32 | 28 | 28 | 24 | 22 | 19 | 17 | 15 | 12 |
| 6 | 58 | 46 | 38 | 33 | 52 | 42 | 35 | 30 | 33 | 28 | 24 | 25 | 21 | 19 | 18 | 15 | 13 | 10 |
| 7 | 54 | 42 | 34 | 28 | 48 | 38 | 31 | 26 | 30 | 25 | 21 | 23 | 19 | 16 | 16 | 14 | 12 | 9 |
| 8 | 50 | 38 | 30 | 25 | 45 | 34 | 27 | 23 | 27 | 22 | 19 | 21 | 17 | 14 | 15 | 12 | 10 | 8 |
| 9 | 46 | 34 | 27 | 22 | 41 | 31 | 25 | 20 | 25 | 20 | 16 | 19 | 15 | 13 | 13 | 11 | 9 | 7 |
| 10 | 43 | 31 | 24 | 19 | 39 | 28 | 22 | 18 | 23 | 18 | 15 | 17 | 14 | 12 | 12 | 10 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6783 | 6783 | 6783 |
| 5° | 6816 | 6530 | 6505 |
| 10° | 6774 | 6337 | 6266 |
| 15° | 6681 | 6133 | 6014 |
| 20° | 6562 | 5913 | 5771 |
| 25° | 6445 | 5701 | 5552 |
| 30° | 6282 | 5486 | 5330 |
| 35° | 6116 | 5276 | 5174 |
| 40° | 5941 | 5099 | 5017 |
| 45° | 5775 | 4940 | 4885 |
| 50° | 5598 | 4794 | 4753 |
| 55° | 5410 | 4638 | 4620 |
| 60° | 5180 | 4477 | 4479 |
| 65° | 4944 | 4290 | 4310 |
| 70° | 4679 | 4085 | 4131 |
| 75° | 4335 | 3888 | 3964 |
| 80° | 3800 | 3685 | 3794 |
| 85° | 3277 | 3510 | 3661 |



TEST NUMBER: P331315-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.8 | 0.9 |
| 10°-20° | 114.2 | 2.5 |
| 20°-30° | 173.0 | 3.7 |
| 30°-40° | 210.7 | 4.6 |
| 40°-50° | 226.7 | 4.9 |
| 50°-60° | 220.1 | 4.8 |
| 60°-70° | 192.2 | 4.2 |
| 70°-80° | 148.0 | 3.2 |
| 80°-90° | 101.8 | 2.2 |
| 90°-100° | 102.7 | 2.2 |
| 100°-110° | 175.8 | 3.8 |
| 110°-120° | 369.5 | 8.0 |
| 120°-130° | 573.9 | 12.4 |
| 130°-140° | 598.4 | 13.0 |
| 140°-150° | 550.4 | 11.9 |
| 150°-160° | 441.4 | 9.6 |
| 160°-170° | 284.5 | 6.2 |
| 170°-180° | 97.9 | 2.1 |
| 0°-30° | 327.0 | 7.1 |
| 0°-40° | 537.7 | 11.6 |
| 0°-60° | 984.5 | 21.3 |
| 0°-90° | 1426.5 | 30.9 |
| 90°-120° | 648.1 | 14.0 |
| 90°-150° | 2370.7 | 51.3 |
| 90°-180° | 3195.0 | 69.1 |
| 0°-180° | 4621.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 420 | 420 | 420 | 420 | 420 | |
| 5° | 421 | 419 | 416 | 419 | 419 | 40 |
| 15° | 402 | 403 | 403 | 408 | 408 | 113 |
| 25° | 365 | 370 | 375 | 382 | 384 | 168 |
| 35° | 315 | 325 | 337 | 350 | 354 | 197 |
| 45° | 258 | 275 | 296 | 314 | 321 | 199 |
| 55° | 198 | 220 | 251 | 273 | 281 | 177 |
| 65° | 135 | 165 | 201 | 225 | 234 | 134 |
| 75° | 75 | 109 | 148 | 173 | 182 | 79 |
| 85° | 22 | 60 | 99 | 123 | 133 | 24 |
| 90° | 7 | 50 | 95 | 122 | 132 | 6 |
| 95° | 53 | 59 | 99 | 125 | 132 | 63 |
| 105° | 229 | 258 | 98 | 126 | 137 | 245 |
| 115° | 431 | 451 | 496 | 185 | 122 | 424 |
| 125° | 607 | 618 | 650 | 671 | 679 | 541 |
| 135° | 750 | 762 | 774 | 794 | 798 | 579 |
| 145° | 869 | 869 | 881 | 889 | 889 | 543 |
| 155° | 957 | 951 | 959 | 963 | 958 | 441 |
| 165° | 1008 | 1004 | 1006 | 1011 | 1006 | 285 |
| 175° | 1031 | 1026 | 1028 | 1032 | 1025 | 98 |
| 180° | 1029 | 1029 | 1029 | 1029 | 1029 | |



TEST NUMBER: P331315-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 |
| 2.5° | 422.6 | 422.2 | 421.9 | 421.6 | 421.3 | 420.7 | 420.0 | 419.2 | 418.5 | 417.7 | 418.2 |
| 5° | 421.3 | 420.9 | 420.5 | 420.1 | 419.7 | 419.1 | 418.3 | 417.5 | 416.7 | 415.9 | 416.7 |
| 7.5° | 417.6 | 417.3 | 417.0 | 416.8 | 416.5 | 416.0 | 415.4 | 414.8 | 414.2 | 413.5 | 414.5 |
| 10° | 414.7 | 414.4 | 414.1 | 413.8 | 413.6 | 413.3 | 412.9 | 412.5 | 412.1 | 411.6 | 412.7 |
| 12.5° | 409.8 | 409.9 | 409.9 | 409.9 | 410.0 | 409.9 | 409.6 | 409.3 | 409.0 | 408.7 | 409.8 |
| 15° | 401.9 | 402.1 | 402.4 | 402.7 | 402.9 | 403.1 | 403.1 | 403.1 | 403.1 | 403.1 | 404.3 |
| 17.5° | 391.7 | 392.2 | 392.8 | 393.4 | 394.0 | 394.4 | 394.8 | 395.3 | 395.7 | 396.2 | 397.4 |
| 20° | 384.8 | 385.5 | 386.2 | 386.9 | 387.5 | 388.2 | 388.7 | 389.2 | 389.8 | 390.3 | 391.8 |
| 22.5° | 377.5 | 378.3 | 379.1 | 379.8 | 380.7 | 381.4 | 382.2 | 382.9 | 383.7 | 384.5 | 386.0 |
| 25° | 365.3 | 366.3 | 367.2 | 368.2 | 369.1 | 370.2 | 371.5 | 372.7 | 373.9 | 375.0 | 376.7 |
| 27.5° | 350.7 | 352.3 | 353.8 | 355.4 | 356.9 | 358.4 | 359.8 | 361.3 | 362.6 | 364.1 | 366.2 |
| 30° | 341.0 | 342.8 | 344.5 | 346.3 | 348.1 | 349.8 | 351.6 | 353.3 | 355.1 | 356.8 | 359.0 |
| 32.5° | 330.3 | 332.2 | 334.2 | 336.2 | 338.2 | 340.2 | 342.3 | 344.4 | 346.4 | 348.5 | 351.0 |
| 35° | 314.8 | 317.1 | 319.4 | 321.7 | 324.0 | 326.4 | 329.0 | 331.6 | 334.1 | 336.7 | 339.7 |
| 37.5° | 298.0 | 300.7 | 303.3 | 306.0 | 308.6 | 311.6 | 315.0 | 318.2 | 321.6 | 324.9 | 328.2 |
| 40° | 286.8 | 289.8 | 292.8 | 295.7 | 298.7 | 302.0 | 305.7 | 309.3 | 313.0 | 316.7 | 320.2 |
| 42.5° | 276.1 | 279.1 | 282.0 | 285.0 | 288.0 | 291.6 | 295.8 | 299.9 | 304.2 | 308.3 | 312.2 |
| 45° | 258.2 | 261.8 | 265.5 | 269.1 | 272.8 | 277.0 | 281.7 | 286.4 | 291.2 | 296.0 | 300.1 |
| 47.5° | 240.5 | 244.5 | 248.5 | 252.4 | 256.4 | 261.2 | 266.8 | 272.3 | 277.9 | 283.4 | 287.8 |
| 50° | 228.4 | 232.5 | 236.8 | 240.9 | 245.1 | 250.2 | 256.3 | 262.4 | 268.6 | 274.6 | 279.2 |
| 52.5° | 216.6 | 221.0 | 225.4 | 229.9 | 234.3 | 239.7 | 246.1 | 252.5 | 258.9 | 265.4 | 270.0 |
| 55° | 197.9 | 202.8 | 207.7 | 212.5 | 217.4 | 223.3 | 230.4 | 237.4 | 244.4 | 251.4 | 256.3 |
| 57.5° | 179.4 | 184.9 | 190.4 | 195.8 | 201.4 | 207.7 | 214.8 | 222.0 | 229.2 | 236.4 | 241.7 |
| 60° | 166.2 | 172.0 | 177.9 | 183.7 | 189.5 | 196.2 | 204.0 | 211.7 | 219.4 | 227.1 | 232.3 |
| 62.5° | 154.5 | 160.5 | 166.6 | 172.7 | 178.7 | 185.6 | 193.2 | 201.0 | 208.7 | 216.4 | 221.8 |
| 65° | 135.2 | 141.8 | 148.5 | 155.1 | 161.7 | 169.0 | 177.0 | 185.0 | 193.0 | 201.0 | 206.5 |
| 67.5° | 117.4 | 124.3 | 131.3 | 138.2 | 145.1 | 152.6 | 160.9 | 169.0 | 177.2 | 185.3 | 190.9 |
| 70° | 104.8 | 111.8 | 118.8 | 125.8 | 132.9 | 140.6 | 149.0 | 157.4 | 165.8 | 174.1 | 179.9 |
| 72.5° | 93.0 | 100.3 | 107.5 | 114.8 | 122.1 | 130.0 | 138.4 | 146.9 | 155.4 | 163.9 | 169.7 |
| 75° | 74.9 | 82.5 | 90.0 | 97.6 | 105.2 | 113.3 | 122.0 | 130.6 | 139.3 | 148.0 | 153.8 |
| 77.5° | 57.4 | 65.3 | 73.2 | 81.1 | 89.1 | 97.4 | 106.2 | 115.0 | 123.8 | 132.6 | 138.4 |
| 80° | 45.7 | 53.9 | 62.2 | 70.4 | 78.7 | 87.2 | 96.0 | 104.8 | 113.6 | 122.4 | 128.1 |
| 82.5° | 36.0 | 44.1 | 52.2 | 60.3 | 68.5 | 77.0 | 85.9 | 94.8 | 103.7 | 112.7 | 118.3 |
| 85° | 21.9 | 30.3 | 38.7 | 47.1 | 55.4 | 64.0 | 72.6 | 81.3 | 90.0 | 98.7 | 104.4 |
| 87.5° | 12.1 | 20.5 | 28.9 | 37.3 | 45.8 | 54.5 | 63.4 | 72.3 | 81.3 | 90.2 | 95.9 |
| 90° | 6.8 | 16.5 | 26.2 | 35.9 | 45.5 | 55.4 | 65.3 | 75.3 | 85.3 | 95.2 | 101.5 |
| 92.5° | 20.6 | 27.8 | 34.9 | 42.1 | 49.2 | 57.3 | 66.3 | 75.3 | 84.3 | 93.3 | 99.0 |
| 95° | 53.2 | 54.1 | 55.0 | 55.9 | 56.8 | 62.0 | 71.3 | 80.5 | 89.8 | 99.1 | 105.0 |
| 97.5° | 100.3 | 90.6 | 80.9 | 71.1 | 61.4 | 61.7 | 72.2 | 82.7 | 93.2 | 103.6 | 109.3 |
| 100° | 136.1 | 118.4 | 100.8 | 83.1 | 65.4 | 61.8 | 72.2 | 82.6 | 92.9 | 103.3 | 109.7 |
| 102.5° | 174.9 | 174.6 | 174.5 | 174.2 | 174.0 | 165.8 | 149.6 | 133.5 | 117.3 | 101.1 | 107.7 |
| 105° | 229.4 | 238.3 | 247.2 | 256.1 | 265.0 | 250.3 | 212.2 | 174.1 | 135.9 | 97.8 | 104.4 |
| 107.5° | 292.3 | 299.5 | 306.6 | 313.7 | 320.8 | 300.7 | 253.2 | 205.9 | 158.4 | 111.0 | 113.7 |
| 110° | 332.3 | 338.5 | 344.6 | 350.8 | 357.0 | 339.5 | 298.3 | 257.1 | 216.0 | 174.7 | 162.6 |



TEST NUMBER: P331315-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 370.4 | 375.8 | 381.2 | 386.5 | 391.8 | 391.8 | 386.2 | 380.7 | 375.2 | 369.7 | 313.6 |
| 115° | 430.6 | 434.9 | 439.2 | 443.5 | 447.8 | 455.0 | 465.3 | 475.5 | 485.8 | 495.9 | 423.4 |
| 117.5° | 483.7 | 487.9 | 492.0 | 496.1 | 500.2 | 506.5 | 514.9 | 523.4 | 531.9 | 540.4 | 525.9 |
| 120° | 523.0 | 526.1 | 529.1 | 532.1 | 535.2 | 540.9 | 549.3 | 557.7 | 566.1 | 574.4 | 580.2 |
| 122.5° | 556.4 | 559.2 | 562.1 | 564.9 | 567.8 | 573.3 | 581.6 | 590.0 | 598.3 | 606.7 | 611.5 |
| 125° | 606.6 | 608.7 | 610.9 | 613.0 | 615.2 | 620.0 | 627.5 | 635.0 | 642.5 | 649.9 | 654.7 |
| 127.5° | 652.6 | 654.8 | 657.1 | 659.3 | 661.6 | 665.6 | 671.5 | 677.4 | 683.1 | 689.0 | 694.1 |
| 130° | 681.8 | 684.3 | 686.8 | 689.3 | 691.9 | 695.5 | 700.1 | 704.7 | 709.4 | 714.0 | 719.2 |
| 132.5° | 711.6 | 713.7 | 715.8 | 718.0 | 720.1 | 723.1 | 727.1 | 731.2 | 735.2 | 739.2 | 743.9 |
| 135° | 749.7 | 752.4 | 755.0 | 757.7 | 760.3 | 763.0 | 765.9 | 768.7 | 771.5 | 774.4 | 778.9 |
| 137.5° | 788.9 | 790.7 | 792.5 | 794.3 | 796.1 | 798.2 | 800.5 | 802.7 | 805.0 | 807.3 | 811.5 |
| 140° | 814.5 | 815.6 | 816.8 | 818.0 | 819.2 | 820.8 | 823.0 | 825.0 | 827.1 | 829.2 | 832.9 |
| 142.5° | 835.9 | 837.0 | 838.0 | 839.1 | 840.2 | 841.7 | 843.8 | 846.0 | 848.2 | 850.3 | 853.4 |
| 145° | 868.9 | 868.8 | 868.6 | 868.5 | 868.3 | 869.6 | 872.5 | 875.2 | 878.1 | 880.8 | 882.8 |
| 147.5° | 898.3 | 897.6 | 897.1 | 896.4 | 895.8 | 896.8 | 899.6 | 902.5 | 905.2 | 908.0 | 909.0 |
| 150° | 917.4 | 916.2 | 915.0 | 913.9 | 912.7 | 913.5 | 916.2 | 918.8 | 921.5 | 924.1 | 925.0 |
| 152.5° | 933.4 | 932.1 | 930.8 | 929.6 | 928.3 | 928.9 | 931.4 | 933.9 | 936.5 | 939.0 | 940.0 |
| 155° | 956.8 | 955.4 | 953.8 | 952.4 | 950.9 | 951.1 | 953.1 | 955.1 | 957.1 | 959.0 | 960.0 |
| 157.5° | 975.1 | 973.9 | 972.7 | 971.3 | 970.1 | 970.2 | 971.6 | 973.0 | 974.4 | 975.8 | 976.9 |
| 160° | 985.9 | 984.9 | 983.9 | 982.8 | 981.9 | 981.9 | 982.8 | 983.9 | 984.9 | 985.9 | 986.8 |
| 162.5° | 995.4 | 994.4 | 993.4 | 992.4 | 991.4 | 991.3 | 992.2 | 993.0 | 993.9 | 994.8 | 995.9 |
| 165° | 1008.2 | 1007.2 | 1006.2 | 1005.2 | 1004.2 | 1004.0 | 1004.4 | 1004.9 | 1005.5 | 1006.0 | 1007.1 |
| 167.5° | 1017.7 | 1016.8 | 1015.8 | 1014.7 | 1013.7 | 1013.5 | 1014.0 | 1014.4 | 1014.9 | 1015.4 | 1016.5 |
| 170° | 1023.1 | 1022.1 | 1021.1 | 1020.1 | 1019.1 | 1018.8 | 1019.1 | 1019.5 | 1019.8 | 1020.1 | 1021.2 |
| 172.5° | 1026.6 | 1025.6 | 1024.7 | 1023.7 | 1022.7 | 1022.4 | 1022.7 | 1023.0 | 1023.4 | 1023.7 | 1024.8 |
| 175° | 1031.3 | 1030.1 | 1029.0 | 1027.8 | 1026.6 | 1026.2 | 1026.5 | 1026.9 | 1027.2 | 1027.5 | 1028.7 |
| 177.5° | 1032.0 | 1031.1 | 1030.2 | 1029.2 | 1028.3 | 1027.9 | 1028.1 | 1028.2 | 1028.3 | 1028.4 | 1029.4 |
| 180° | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 |



TEST NUMBER: P331315-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 | 420.1 |
| 2.5° | 418.8 | 419.3 | 419.9 | 420.0 | 419.8 | 419.6 | 419.4 | 419.1 |
| 5° | 417.5 | 418.3 | 419.1 | 419.5 | 419.3 | 419.2 | 419.1 | 418.9 |
| 7.5° | 415.5 | 416.5 | 417.4 | 417.8 | 417.8 | 417.6 | 417.4 | 417.4 |
| 10° | 413.8 | 414.8 | 416.0 | 416.5 | 416.3 | 416.1 | 416.0 | 415.9 |
| 12.5° | 410.8 | 412.0 | 413.0 | 413.5 | 413.4 | 413.2 | 413.1 | 412.9 |
| 15° | 405.5 | 406.8 | 408.0 | 408.5 | 408.4 | 408.2 | 408.1 | 408.0 |
| 17.5° | 398.7 | 400.0 | 401.2 | 401.9 | 401.9 | 401.9 | 401.9 | 401.9 |
| 20° | 393.3 | 394.8 | 396.2 | 397.0 | 397.0 | 397.0 | 397.0 | 397.0 |
| 22.5° | 387.4 | 388.9 | 390.4 | 391.3 | 391.5 | 391.7 | 391.9 | 392.2 |
| 25° | 378.3 | 379.9 | 381.6 | 382.6 | 383.0 | 383.4 | 383.8 | 384.3 |
| 27.5° | 368.3 | 370.3 | 372.3 | 373.5 | 373.8 | 374.1 | 374.4 | 374.7 |
| 30° | 361.2 | 363.3 | 365.5 | 366.7 | 367.1 | 367.5 | 367.9 | 368.4 |
| 32.5° | 353.5 | 356.0 | 358.5 | 360.1 | 360.9 | 361.6 | 362.3 | 363.1 |
| 35° | 342.7 | 345.7 | 348.6 | 350.6 | 351.6 | 352.5 | 353.4 | 354.4 |
| 37.5° | 331.5 | 334.8 | 338.1 | 340.2 | 341.3 | 342.3 | 343.2 | 344.3 |
| 40° | 323.7 | 327.2 | 330.7 | 333.0 | 334.3 | 335.5 | 336.7 | 337.9 |
| 42.5° | 316.0 | 319.8 | 323.7 | 326.3 | 327.4 | 328.6 | 329.9 | 331.1 |
| 45° | 304.4 | 308.5 | 312.7 | 315.4 | 316.8 | 318.2 | 319.5 | 320.9 |
| 47.5° | 292.1 | 296.5 | 300.9 | 303.9 | 305.3 | 306.8 | 308.3 | 309.8 |
| 50° | 283.8 | 288.4 | 293.0 | 296.0 | 297.6 | 299.1 | 300.5 | 302.0 |
| 52.5° | 274.8 | 279.5 | 284.2 | 287.3 | 288.9 | 290.6 | 292.1 | 293.8 |
| 55° | 261.2 | 266.1 | 270.9 | 274.3 | 276.1 | 277.8 | 279.6 | 281.3 |
| 57.5° | 246.9 | 252.1 | 257.4 | 260.9 | 262.7 | 264.5 | 266.3 | 268.1 |
| 60° | 237.4 | 242.6 | 247.7 | 251.2 | 253.1 | 255.0 | 256.9 | 258.8 |
| 62.5° | 227.3 | 232.8 | 238.2 | 241.9 | 243.7 | 245.5 | 247.3 | 249.1 |
| 65° | 212.1 | 217.6 | 223.1 | 226.8 | 228.5 | 230.3 | 232.0 | 233.8 |
| 67.5° | 196.6 | 202.1 | 207.7 | 211.5 | 213.3 | 215.2 | 217.0 | 218.8 |
| 70° | 185.8 | 191.6 | 197.4 | 201.1 | 202.8 | 204.4 | 206.0 | 207.7 |
| 72.5° | 175.4 | 181.1 | 186.8 | 190.6 | 192.5 | 194.4 | 196.4 | 198.4 |
| 75° | 159.6 | 165.4 | 171.2 | 175.0 | 176.8 | 178.6 | 180.3 | 182.1 |
| 77.5° | 144.2 | 150.0 | 155.8 | 159.6 | 161.5 | 163.4 | 165.3 | 167.2 |
| 80° | 133.8 | 139.4 | 145.1 | 148.9 | 150.8 | 152.7 | 154.6 | 156.5 |
| 82.5° | 124.0 | 129.7 | 135.3 | 139.1 | 140.9 | 142.7 | 144.5 | 146.3 |
| 85° | 110.0 | 115.7 | 121.4 | 125.1 | 127.0 | 129.0 | 130.9 | 132.7 |
| 87.5° | 101.5 | 107.2 | 112.9 | 116.7 | 118.5 | 120.3 | 122.1 | 123.8 |
| 90° | 107.8 | 114.0 | 120.3 | 124.3 | 126.3 | 128.2 | 130.2 | 132.2 |
| 92.5° | 104.8 | 110.5 | 116.2 | 120.0 | 121.8 | 123.6 | 125.5 | 127.3 |
| 95° | 111.0 | 117.0 | 122.9 | 126.6 | 128.1 | 129.6 | 131.0 | 132.5 |
| 97.5° | 115.0 | 120.7 | 126.3 | 130.0 | 131.8 | 133.6 | 135.4 | 137.2 |
| 100° | 116.0 | 122.3 | 128.7 | 132.7 | 134.5 | 136.4 | 138.2 | 140.0 |
| 102.5° | 114.4 | 121.0 | 127.6 | 131.9 | 133.8 | 135.7 | 137.7 | 139.7 |
| 105° | 110.9 | 117.5 | 124.0 | 128.3 | 130.5 | 132.6 | 134.9 | 137.0 |
| 107.5° | 116.3 | 119.0 | 121.7 | 124.2 | 126.3 | 128.5 | 130.6 | 132.7 |
| 110° | 150.3 | 138.1 | 125.9 | 120.8 | 123.0 | 125.1 | 127.3 | 129.5 |



TEST NUMBER: P331315-930

CATALOG NUMBER: SA2XXDIP-C485D925U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 257.6 | 201.6 | 145.6 | 118.5 | 120.6 | 122.6 | 124.7 | 126.6 |
| 115° | 350.8 | 278.3 | 205.8 | 164.3 | 153.8 | 143.4 | 133.0 | 122.5 |
| 117.5° | 511.4 | 496.8 | 482.3 | 456.2 | 418.4 | 380.6 | 342.8 | 305.1 |
| 120° | 586.0 | 591.7 | 597.5 | 590.0 | 569.2 | 548.3 | 527.4 | 506.5 |
| 122.5° | 616.4 | 621.3 | 626.1 | 627.0 | 623.9 | 620.9 | 617.8 | 614.7 |
| 125° | 659.5 | 664.3 | 669.1 | 672.4 | 674.1 | 675.8 | 677.5 | 679.2 |
| 127.5° | 699.1 | 704.1 | 709.1 | 712.3 | 713.6 | 714.9 | 716.2 | 717.5 |
| 130° | 724.2 | 729.3 | 734.3 | 737.4 | 738.3 | 739.2 | 740.0 | 741.0 |
| 132.5° | 748.5 | 753.3 | 757.9 | 760.8 | 761.7 | 762.5 | 763.4 | 764.4 |
| 135° | 783.4 | 787.9 | 792.4 | 795.0 | 795.7 | 796.5 | 797.3 | 798.0 |
| 137.5° | 815.5 | 819.7 | 823.8 | 826.1 | 826.4 | 826.7 | 827.1 | 827.4 |
| 140° | 836.5 | 840.2 | 843.8 | 845.6 | 845.6 | 845.6 | 845.6 | 845.6 |
| 142.5° | 856.5 | 859.6 | 862.7 | 864.1 | 864.0 | 863.9 | 863.7 | 863.6 |
| 145° | 884.8 | 886.8 | 888.8 | 889.7 | 889.5 | 889.3 | 889.2 | 889.1 |
| 147.5° | 909.9 | 910.9 | 911.8 | 912.2 | 911.7 | 911.4 | 911.0 | 910.7 |
| 150° | 926.0 | 927.1 | 928.1 | 928.1 | 927.3 | 926.4 | 925.6 | 924.8 |
| 152.5° | 940.9 | 941.9 | 942.9 | 942.9 | 941.8 | 940.7 | 939.6 | 938.5 |
| 155° | 961.1 | 962.1 | 963.0 | 962.9 | 961.6 | 960.2 | 958.9 | 957.6 |
| 157.5° | 978.0 | 979.1 | 980.2 | 980.2 | 978.8 | 977.5 | 976.2 | 975.0 |
| 160° | 987.8 | 988.9 | 989.9 | 989.8 | 988.6 | 987.4 | 986.3 | 985.1 |
| 162.5° | 997.0 | 998.2 | 999.3 | 999.1 | 997.8 | 996.3 | 994.9 | 993.4 |
| 165° | 1008.3 | 1009.4 | 1010.6 | 1010.6 | 1009.4 | 1008.3 | 1007.1 | 1006.0 |
| 167.5° | 1017.7 | 1018.8 | 1020.0 | 1019.8 | 1018.3 | 1016.8 | 1015.4 | 1013.8 |
| 170° | 1022.5 | 1023.6 | 1024.7 | 1024.6 | 1023.1 | 1021.6 | 1020.1 | 1018.6 |
| 172.5° | 1026.0 | 1027.2 | 1028.3 | 1028.2 | 1026.6 | 1025.2 | 1023.7 | 1022.2 |
| 175° | 1029.9 | 1031.0 | 1032.2 | 1031.9 | 1030.3 | 1028.7 | 1027.0 | 1025.3 |
| 177.5° | 1030.3 | 1031.3 | 1032.2 | 1032.0 | 1030.9 | 1029.6 | 1028.4 | 1027.3 |
| 180° | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 | 1029.1 |

(END OF REPORT)