

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: P331306-930

Luminaire Tested: **SA2XXDIP-C485D725U930-4F0-1E-UDD-D**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331306-930
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-C485D725U930-4F0-1E-UDD-D
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

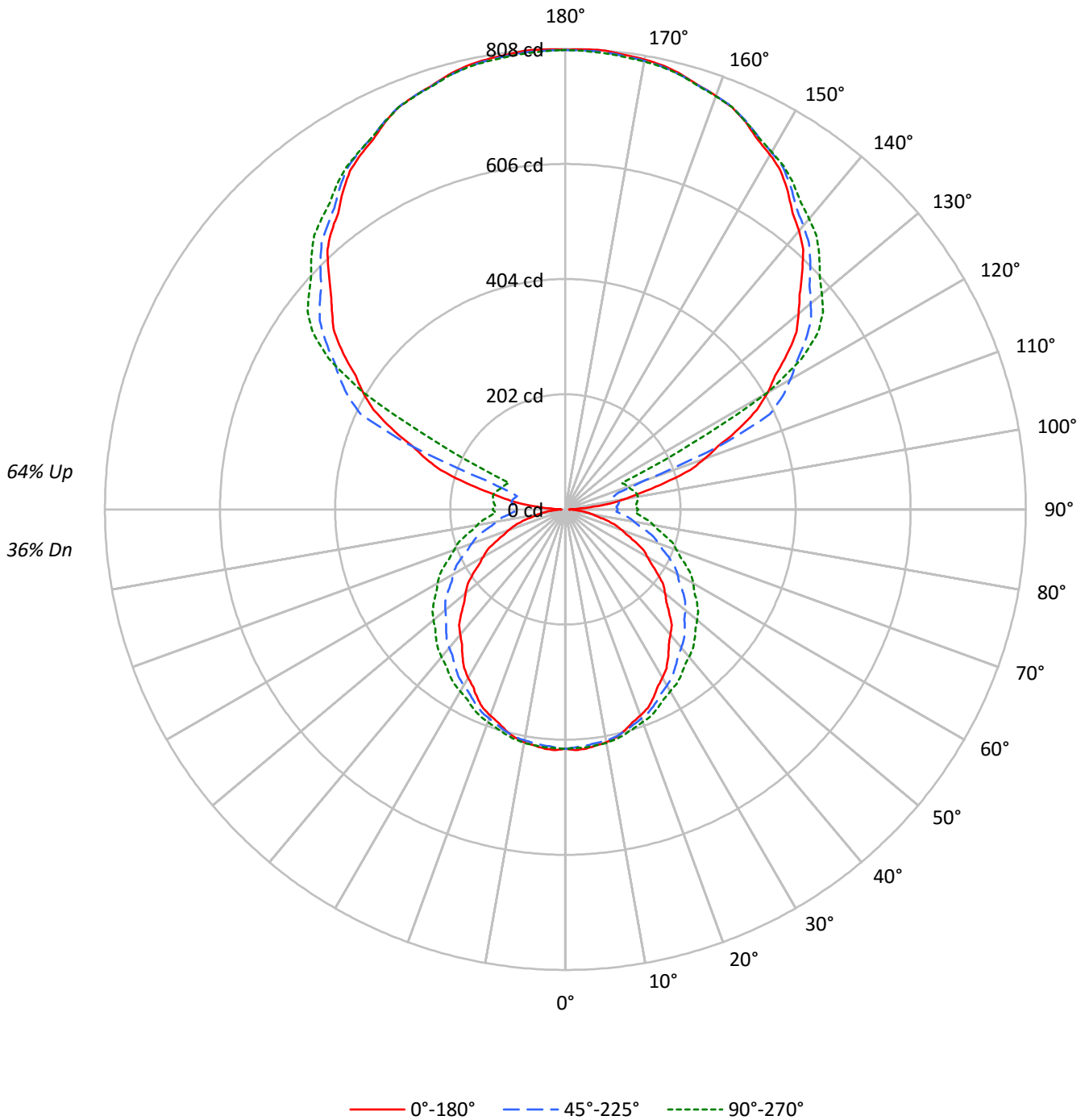
Lumens per Lamp: N/A
Luminaire Lumens: 3966.9 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

Input Watts (W): 38.4
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: P331306-930
CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331306-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-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 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 59 | 59 | 59 | 43 | 43 | 43 | 36 |
| 1 | 94 | 89 | 85 | 81 | 84 | 80 | 77 | 74 | 64 | 62 | 60 | 50 | 48 | 47 | 36 | 35 | 34 | 28 |
| 2 | 85 | 77 | 70 | 65 | 76 | 70 | 64 | 59 | 56 | 52 | 48 | 43 | 40 | 38 | 31 | 30 | 28 | 23 |
| 3 | 77 | 67 | 60 | 54 | 69 | 61 | 54 | 49 | 49 | 44 | 40 | 38 | 34 | 32 | 27 | 25 | 23 | 19 |
| 4 | 70 | 59 | 51 | 45 | 63 | 54 | 47 | 41 | 43 | 38 | 34 | 33 | 30 | 27 | 24 | 22 | 20 | 16 |
| 5 | 64 | 52 | 44 | 38 | 58 | 48 | 40 | 35 | 38 | 33 | 29 | 30 | 26 | 23 | 22 | 19 | 17 | 13 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 35 | 30 | 34 | 29 | 25 | 27 | 23 | 20 | 20 | 17 | 15 | 12 |
| 7 | 54 | 42 | 34 | 29 | 49 | 38 | 31 | 26 | 31 | 26 | 22 | 24 | 20 | 17 | 18 | 15 | 13 | 10 |
| 8 | 50 | 38 | 30 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 15 | 16 | 14 | 12 | 9 |
| 9 | 47 | 35 | 27 | 22 | 42 | 32 | 25 | 20 | 26 | 21 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8 |
| 10 | 44 | 32 | 24 | 20 | 39 | 29 | 22 | 18 | 24 | 19 | 15 | 19 | 15 | 12 | 14 | 11 | 9 | 7 |

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: P331306-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.8 | 1.0 |
| 10°-20° | 114.2 | 2.9 |
| 20°-30° | 173.0 | 4.4 |
| 30°-40° | 210.7 | 5.3 |
| 40°-50° | 226.7 | 5.7 |
| 50°-60° | 220.1 | 5.5 |
| 60°-70° | 192.2 | 4.8 |
| 70°-80° | 148.0 | 3.7 |
| 80°-90° | 101.3 | 2.6 |
| 90°-100° | 95.3 | 2.4 |
| 100°-110° | 148.6 | 3.7 |
| 110°-120° | 296.5 | 7.5 |
| 120°-130° | 453.5 | 11.4 |
| 130°-140° | 470.4 | 11.9 |
| 140°-150° | 431.4 | 10.9 |
| 150°-160° | 345.7 | 8.7 |
| 160°-170° | 222.8 | 5.6 |
| 170°-180° | 76.7 | 1.9 |
| 0°-30° | 327.0 | 8.2 |
| 0°-40° | 537.7 | 13.6 |
| 0°-60° | 984.5 | 24.8 |
| 0°-90° | 1426.0 | 35.9 |
| 90°-120° | 540.4 | 13.6 |
| 90°-150° | 1895.6 | 47.8 |
| 90°-180° | 2541.0 | 64.1 |
| 0°-180° | 3966.9 | 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 | 48 | 92 | 118 | 128 | 6 |
| 95° | 43 | 54 | 93 | 118 | 126 | 50 |
| 105° | 180 | 206 | 88 | 115 | 125 | 193 |
| 115° | 338 | 356 | 396 | 157 | 109 | 332 |
| 125° | 475 | 484 | 514 | 533 | 541 | 424 |
| 135° | 587 | 597 | 608 | 626 | 630 | 454 |
| 145° | 681 | 681 | 690 | 697 | 698 | 426 |
| 155° | 749 | 745 | 751 | 754 | 750 | 345 |
| 165° | 790 | 786 | 788 | 792 | 788 | 223 |
| 175° | 808 | 804 | 805 | 808 | 803 | 77 |
| 180° | 806 | 806 | 806 | 806 | 806 | |



TEST NUMBER: P331306-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-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 | 20.4 | 28.8 | 37.1 | 45.4 | 54.1 | 62.9 | 71.8 | 80.6 | 89.5 | 95.1 |
| 90° | 6.7 | 16.0 | 25.2 | 34.5 | 43.8 | 53.2 | 62.9 | 72.6 | 82.3 | 92.0 | 98.1 |
| 92.5° | 17.4 | 24.5 | 31.7 | 38.9 | 46.1 | 54.1 | 62.9 | 71.8 | 80.6 | 89.5 | 95.1 |
| 95° | 42.8 | 44.8 | 47.0 | 49.0 | 51.1 | 56.7 | 65.7 | 74.7 | 83.7 | 92.8 | 98.6 |
| 97.5° | 79.5 | 73.1 | 66.7 | 60.3 | 53.9 | 55.7 | 65.6 | 75.4 | 85.4 | 95.2 | 100.8 |
| 100° | 107.5 | 94.7 | 82.0 | 69.2 | 56.5 | 55.0 | 64.8 | 74.6 | 84.4 | 94.2 | 100.2 |
| 102.5° | 137.8 | 138.6 | 139.4 | 140.2 | 141.0 | 135.9 | 124.8 | 113.8 | 102.7 | 91.6 | 97.9 |
| 105° | 180.3 | 188.2 | 196.0 | 203.7 | 211.6 | 201.3 | 173.0 | 144.6 | 116.3 | 88.0 | 94.1 |
| 107.5° | 229.6 | 235.9 | 242.1 | 248.4 | 254.7 | 239.9 | 204.2 | 168.6 | 132.9 | 97.2 | 100.3 |
| 110° | 260.8 | 266.2 | 271.7 | 277.1 | 282.5 | 269.8 | 239.0 | 208.1 | 177.3 | 146.5 | 137.9 |



TEST NUMBER: P331306-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 290.7 | 295.4 | 300.0 | 304.7 | 309.4 | 310.2 | 307.3 | 304.4 | 301.4 | 298.5 | 255.5 |
| 115° | 337.8 | 341.4 | 345.2 | 348.9 | 352.5 | 359.1 | 368.4 | 377.7 | 387.0 | 396.4 | 340.4 |
| 117.5° | 379.3 | 382.7 | 386.1 | 389.6 | 393.1 | 398.7 | 406.5 | 414.4 | 422.2 | 430.1 | 419.6 |
| 120° | 410.1 | 412.5 | 415.1 | 417.5 | 420.0 | 425.1 | 432.8 | 440.6 | 448.3 | 456.1 | 461.5 |
| 122.5° | 436.2 | 438.5 | 440.8 | 443.0 | 445.2 | 450.2 | 457.9 | 465.5 | 473.1 | 480.7 | 485.3 |
| 125° | 475.4 | 477.0 | 478.7 | 480.5 | 482.1 | 486.3 | 493.2 | 499.9 | 506.7 | 513.5 | 518.0 |
| 127.5° | 511.4 | 513.1 | 514.9 | 516.6 | 518.4 | 521.9 | 527.2 | 532.6 | 537.9 | 543.2 | 547.9 |
| 130° | 534.3 | 536.2 | 538.2 | 540.1 | 542.0 | 545.1 | 549.4 | 553.7 | 557.9 | 562.2 | 566.9 |
| 132.5° | 557.6 | 559.2 | 560.8 | 562.5 | 564.1 | 566.7 | 570.4 | 574.0 | 577.6 | 581.2 | 585.5 |
| 135° | 587.3 | 589.4 | 591.5 | 593.5 | 595.6 | 597.9 | 600.5 | 602.9 | 605.4 | 608.0 | 612.1 |
| 137.5° | 618.0 | 619.4 | 620.9 | 622.2 | 623.7 | 625.3 | 627.3 | 629.2 | 631.1 | 633.0 | 636.8 |
| 140° | 638.1 | 639.0 | 639.8 | 640.7 | 641.6 | 642.9 | 644.7 | 646.4 | 648.1 | 649.7 | 653.1 |
| 142.5° | 654.8 | 655.7 | 656.5 | 657.2 | 658.0 | 659.3 | 661.0 | 662.7 | 664.4 | 666.0 | 668.9 |
| 145° | 680.6 | 680.4 | 680.4 | 680.2 | 680.1 | 681.1 | 683.3 | 685.5 | 687.7 | 689.9 | 691.6 |
| 147.5° | 703.6 | 703.1 | 702.6 | 702.1 | 701.6 | 702.5 | 704.7 | 706.8 | 709.0 | 711.2 | 711.9 |
| 150° | 718.5 | 717.6 | 716.7 | 715.8 | 714.9 | 715.5 | 717.5 | 719.6 | 721.7 | 723.7 | 724.6 |
| 152.5° | 731.1 | 730.1 | 729.1 | 728.1 | 727.1 | 727.6 | 729.5 | 731.5 | 733.4 | 735.4 | 736.2 |
| 155° | 749.4 | 748.3 | 747.1 | 745.9 | 744.8 | 744.9 | 746.5 | 748.0 | 749.6 | 751.1 | 752.0 |
| 157.5° | 763.8 | 762.8 | 761.8 | 760.8 | 759.9 | 759.9 | 761.0 | 762.1 | 763.1 | 764.3 | 765.2 |
| 160° | 772.2 | 771.4 | 770.6 | 769.8 | 769.1 | 769.1 | 769.8 | 770.6 | 771.4 | 772.2 | 773.0 |
| 162.5° | 779.7 | 778.9 | 778.1 | 777.3 | 776.5 | 776.5 | 777.1 | 777.8 | 778.5 | 779.2 | 780.1 |
| 165° | 789.7 | 788.9 | 788.1 | 787.3 | 786.5 | 786.4 | 786.8 | 787.2 | 787.5 | 787.9 | 788.8 |
| 167.5° | 797.1 | 796.4 | 795.6 | 794.8 | 794.0 | 793.8 | 794.2 | 794.5 | 794.9 | 795.2 | 796.1 |
| 170° | 801.4 | 800.5 | 799.8 | 799.0 | 798.3 | 797.9 | 798.3 | 798.5 | 798.7 | 799.0 | 799.9 |
| 172.5° | 804.1 | 803.3 | 802.6 | 801.8 | 801.0 | 800.8 | 801.0 | 801.3 | 801.5 | 801.8 | 802.7 |
| 175° | 807.7 | 806.8 | 805.9 | 805.0 | 804.1 | 803.8 | 804.0 | 804.3 | 804.5 | 804.9 | 805.8 |
| 177.5° | 808.4 | 807.6 | 806.9 | 806.2 | 805.4 | 805.1 | 805.2 | 805.4 | 805.4 | 805.5 | 806.2 |
| 180° | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 |



TEST NUMBER: P331306-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-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° | 100.9 | 106.5 | 112.1 | 115.9 | 117.6 | 119.4 | 121.2 | 122.9 |
| 90° | 104.2 | 110.2 | 116.3 | 120.3 | 122.1 | 124.0 | 125.9 | 127.8 |
| 92.5° | 100.8 | 106.5 | 112.1 | 115.8 | 117.6 | 119.4 | 121.2 | 122.9 |
| 95° | 104.4 | 110.1 | 115.9 | 119.6 | 121.1 | 122.5 | 124.1 | 125.6 |
| 97.5° | 106.3 | 111.8 | 117.3 | 121.0 | 122.7 | 124.5 | 126.2 | 128.0 |
| 100° | 106.2 | 112.3 | 118.3 | 122.2 | 123.9 | 125.7 | 127.4 | 129.2 |
| 102.5° | 104.1 | 110.4 | 116.7 | 120.7 | 122.5 | 124.4 | 126.2 | 128.1 |
| 105° | 100.3 | 106.4 | 112.6 | 116.7 | 118.7 | 120.7 | 122.7 | 124.7 |
| 107.5° | 103.4 | 106.5 | 109.6 | 112.1 | 114.1 | 116.1 | 118.1 | 120.2 |
| 110° | 129.2 | 120.6 | 112.0 | 108.7 | 110.7 | 112.7 | 114.7 | 116.7 |



TEST NUMBER: P331306-930

CATALOG NUMBER: SA2XXDIP-C485D725U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 212.5 | 169.6 | 126.7 | 106.2 | 108.0 | 110.0 | 111.9 | 113.7 |
| 115° | 284.5 | 228.5 | 172.6 | 140.7 | 132.8 | 125.0 | 117.2 | 109.3 |
| 117.5° | 409.1 | 398.6 | 388.1 | 368.2 | 338.9 | 309.6 | 280.3 | 251.0 |
| 120° | 466.8 | 472.1 | 477.5 | 472.1 | 456.2 | 440.2 | 424.1 | 408.1 |
| 122.5° | 489.9 | 494.6 | 499.2 | 500.4 | 498.3 | 496.2 | 494.1 | 492.0 |
| 125° | 522.6 | 527.2 | 531.7 | 534.8 | 536.5 | 538.0 | 539.6 | 541.3 |
| 127.5° | 552.5 | 557.3 | 561.9 | 564.8 | 566.1 | 567.4 | 568.7 | 570.0 |
| 130° | 571.5 | 576.3 | 580.9 | 583.7 | 584.7 | 585.6 | 586.5 | 587.5 |
| 132.5° | 590.0 | 594.3 | 598.6 | 601.3 | 602.3 | 603.2 | 604.1 | 605.1 |
| 135° | 616.3 | 620.4 | 624.5 | 627.0 | 627.9 | 628.7 | 629.5 | 630.3 |
| 137.5° | 640.6 | 644.3 | 648.1 | 650.2 | 650.7 | 651.2 | 651.7 | 652.1 |
| 140° | 656.4 | 659.7 | 663.1 | 664.8 | 665.0 | 665.1 | 665.3 | 665.4 |
| 142.5° | 671.6 | 674.4 | 677.2 | 678.7 | 678.7 | 678.7 | 678.8 | 678.9 |
| 145° | 693.4 | 695.1 | 696.8 | 697.7 | 697.7 | 697.7 | 697.8 | 697.8 |
| 147.5° | 712.7 | 713.5 | 714.3 | 714.6 | 714.4 | 714.1 | 714.0 | 713.7 |
| 150° | 725.3 | 726.1 | 726.8 | 726.9 | 726.3 | 725.6 | 725.0 | 724.3 |
| 152.5° | 736.9 | 737.8 | 738.6 | 738.5 | 737.7 | 736.8 | 736.0 | 735.1 |
| 155° | 752.8 | 753.5 | 754.3 | 754.2 | 753.1 | 752.1 | 751.1 | 750.0 |
| 157.5° | 766.0 | 766.9 | 767.8 | 767.7 | 766.7 | 765.6 | 764.7 | 763.7 |
| 160° | 773.7 | 774.5 | 775.3 | 775.2 | 774.3 | 773.4 | 772.5 | 771.6 |
| 162.5° | 780.9 | 781.8 | 782.7 | 782.6 | 781.5 | 780.3 | 779.3 | 778.1 |
| 165° | 789.7 | 790.7 | 791.6 | 791.6 | 790.7 | 789.7 | 788.8 | 787.9 |
| 167.5° | 797.1 | 798.0 | 798.9 | 798.7 | 797.6 | 796.5 | 795.2 | 794.1 |
| 170° | 800.8 | 801.7 | 802.7 | 802.5 | 801.4 | 800.1 | 799.0 | 797.9 |
| 172.5° | 803.6 | 804.5 | 805.4 | 805.3 | 804.1 | 803.0 | 801.8 | 800.6 |
| 175° | 806.7 | 807.6 | 808.5 | 808.3 | 807.0 | 805.7 | 804.4 | 803.1 |
| 177.5° | 807.0 | 807.7 | 808.5 | 808.4 | 807.4 | 806.5 | 805.5 | 804.6 |
| 180° | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 | 806.0 |

(END OF REPORT)