

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: P331352-927

Luminaire Tested: **SA2XXDIP-C675D725U927-4F0-1E-UDD-D1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331352-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C675D725U927-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4183.5 lumens
Efficiency: N/A
Efficacy: 91.1 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: General Diffuse

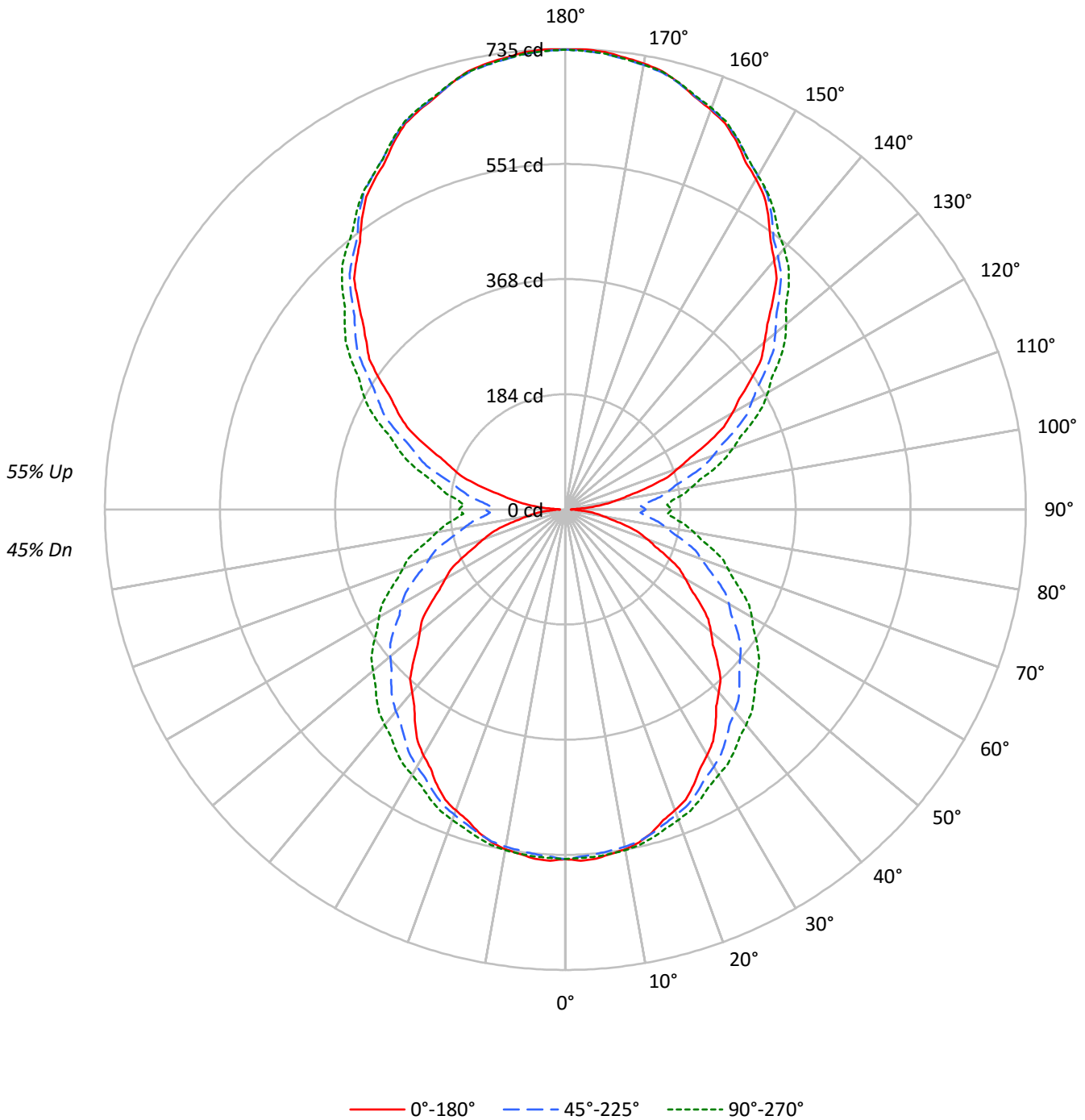
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331352-927

CATALOG NUMBER: SA2XXDIP-C675D725U927-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331352-927

CATALOG NUMBER: SA2XXDIP-C675D725U927-4F0-1E-UDD-D1

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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 81 | 81 | 81 | 66 | 66 | 66 | 52 | 52 | 52 | 45 |
| 1 | 95 | 90 | 86 | 82 | 87 | 83 | 79 | 76 | 69 | 66 | 63 | 56 | 54 | 52 | 44 | 42 | 41 | 35 |
| 2 | 86 | 78 | 72 | 66 | 79 | 72 | 66 | 61 | 59 | 55 | 51 | 48 | 45 | 42 | 38 | 35 | 33 | 28 |
| 3 | 78 | 68 | 60 | 54 | 71 | 63 | 56 | 50 | 52 | 47 | 43 | 42 | 38 | 35 | 33 | 30 | 28 | 24 |
| 4 | 71 | 60 | 52 | 45 | 65 | 55 | 48 | 42 | 46 | 40 | 36 | 37 | 33 | 30 | 29 | 26 | 24 | 20 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 42 | 36 | 41 | 35 | 31 | 33 | 29 | 25 | 26 | 23 | 20 | 17 |
| 6 | 60 | 48 | 39 | 33 | 55 | 44 | 36 | 31 | 37 | 31 | 26 | 30 | 25 | 22 | 24 | 20 | 18 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 19 | 21 | 18 | 16 | 13 |
| 8 | 51 | 39 | 31 | 25 | 47 | 36 | 29 | 24 | 30 | 24 | 20 | 25 | 20 | 17 | 20 | 16 | 14 | 11 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 28 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 13 | 10 |
| 10 | 45 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 14 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9009 | 9009 | 9009 |
| 5° | 9053 | 8672 | 8638 |
| 10° | 8996 | 8417 | 8321 |
| 15° | 8873 | 8146 | 7988 |
| 20° | 8716 | 7854 | 7665 |
| 25° | 8561 | 7573 | 7372 |
| 30° | 8343 | 7286 | 7079 |
| 35° | 8122 | 7007 | 6870 |
| 40° | 7890 | 6771 | 6665 |
| 45° | 7670 | 6558 | 6488 |
| 50° | 7431 | 6366 | 6313 |
| 55° | 7184 | 6161 | 6135 |
| 60° | 6882 | 5948 | 5948 |
| 65° | 6564 | 5697 | 5724 |
| 70° | 6211 | 5427 | 5485 |
| 75° | 5759 | 5163 | 5263 |
| 80° | 5048 | 4895 | 5040 |
| 85° | 4369 | 4658 | 4864 |



TEST NUMBER: P331352-927

CATALOG NUMBER: SA2XXDIP-C675D725U927-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.9 | 1.3 |
| 10°-20° | 151.6 | 3.6 |
| 20°-30° | 229.8 | 5.5 |
| 30°-40° | 279.8 | 6.7 |
| 40°-50° | 301.1 | 7.2 |
| 50°-60° | 292.4 | 7.0 |
| 60°-70° | 255.3 | 6.1 |
| 70°-80° | 196.5 | 4.7 |
| 80°-90° | 134.8 | 3.2 |
| 90°-100° | 137.3 | 3.3 |
| 100°-110° | 210.8 | 5.0 |
| 110°-120° | 290.7 | 6.9 |
| 120°-130° | 349.1 | 8.3 |
| 130°-140° | 374.6 | 9.0 |
| 140°-150° | 359.0 | 8.6 |
| 150°-160° | 299.6 | 7.2 |
| 160°-170° | 198.7 | 4.8 |
| 170°-180° | 69.5 | 1.7 |
| 0°-30° | 434.3 | 10.4 |
| 0°-40° | 714.1 | 17.1 |
| 0°-60° | 1307.5 | 31.3 |
| 0°-90° | 1894.2 | 45.3 |
| 90°-120° | 638.8 | 15.3 |
| 90°-150° | 1721.4 | 41.1 |
| 90°-180° | 2289.0 | 54.7 |
| 0°-180° | 4183.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 558 | 558 | 558 | 558 | 558 | |
| 5° | 560 | 557 | 552 | 557 | 556 | 53 |
| 15° | 534 | 535 | 535 | 542 | 542 | 150 |
| 25° | 485 | 491 | 498 | 507 | 510 | 223 |
| 35° | 418 | 432 | 447 | 464 | 471 | 261 |
| 45° | 343 | 365 | 393 | 417 | 426 | 265 |
| 55° | 263 | 293 | 334 | 362 | 374 | 235 |
| 65° | 180 | 220 | 267 | 299 | 310 | 178 |
| 75° | 100 | 145 | 196 | 230 | 242 | 105 |
| 85° | 29 | 79 | 131 | 164 | 176 | 31 |
| 90° | 9 | 64 | 128 | 158 | 170 | 7 |
| 95° | 39 | 83 | 133 | 162 | 172 | 42 |
| 105° | 137 | 164 | 206 | 234 | 244 | 145 |
| 115° | 251 | 265 | 299 | 321 | 329 | 248 |
| 125° | 362 | 369 | 392 | 411 | 418 | 324 |
| 135° | 467 | 474 | 483 | 499 | 504 | 361 |
| 145° | 566 | 570 | 574 | 579 | 581 | 354 |
| 155° | 647 | 649 | 651 | 654 | 652 | 298 |
| 165° | 704 | 703 | 703 | 707 | 705 | 198 |
| 175° | 732 | 731 | 729 | 733 | 730 | 70 |
| 180° | 734 | 734 | 734 | 734 | 734 | |



TEST NUMBER: P331352-927

CATALOG NUMBER: SA2XXDIP-C675D725U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 |
| 2.5° | 561.3 | 560.8 | 560.4 | 559.9 | 559.5 | 558.8 | 557.8 | 556.7 | 555.8 | 554.8 | 555.5 |
| 5° | 559.6 | 559.0 | 558.6 | 558.0 | 557.5 | 556.7 | 555.6 | 554.5 | 553.4 | 552.3 | 553.4 |
| 7.5° | 554.6 | 554.2 | 553.9 | 553.5 | 553.2 | 552.5 | 551.8 | 550.9 | 550.1 | 549.3 | 550.6 |
| 10° | 550.7 | 550.3 | 550.0 | 549.6 | 549.3 | 548.8 | 548.3 | 547.8 | 547.2 | 546.7 | 548.1 |
| 12.5° | 544.2 | 544.3 | 544.4 | 544.5 | 544.5 | 544.4 | 544.0 | 543.6 | 543.2 | 542.8 | 544.2 |
| 15° | 533.8 | 534.1 | 534.5 | 534.8 | 535.2 | 535.4 | 535.4 | 535.4 | 535.4 | 535.4 | 536.9 |
| 17.5° | 520.1 | 520.9 | 521.7 | 522.4 | 523.2 | 523.9 | 524.4 | 525.0 | 525.5 | 526.2 | 527.8 |
| 20° | 511.1 | 512.0 | 512.9 | 513.8 | 514.7 | 515.5 | 516.2 | 517.0 | 517.7 | 518.4 | 520.4 |
| 22.5° | 501.4 | 502.4 | 503.5 | 504.5 | 505.6 | 506.6 | 507.6 | 508.6 | 509.6 | 510.6 | 512.6 |
| 25° | 485.2 | 486.5 | 487.7 | 489.0 | 490.3 | 491.7 | 493.3 | 495.0 | 496.5 | 498.1 | 500.3 |
| 27.5° | 465.8 | 467.9 | 469.9 | 472.0 | 474.0 | 476.0 | 477.9 | 479.8 | 481.7 | 483.6 | 486.3 |
| 30° | 452.9 | 455.2 | 457.6 | 459.9 | 462.2 | 464.5 | 466.9 | 469.2 | 471.6 | 473.9 | 476.7 |
| 32.5° | 438.6 | 441.2 | 443.9 | 446.5 | 449.2 | 451.9 | 454.6 | 457.3 | 460.1 | 462.9 | 466.2 |
| 35° | 418.1 | 421.1 | 424.2 | 427.2 | 430.3 | 433.6 | 437.0 | 440.4 | 443.8 | 447.2 | 451.1 |
| 37.5° | 395.8 | 399.3 | 402.8 | 406.3 | 409.9 | 413.8 | 418.3 | 422.7 | 427.1 | 431.5 | 435.9 |
| 40° | 380.9 | 384.8 | 388.8 | 392.8 | 396.7 | 401.1 | 406.0 | 410.8 | 415.7 | 420.5 | 425.2 |
| 42.5° | 366.7 | 370.6 | 374.5 | 378.5 | 382.5 | 387.2 | 392.8 | 398.4 | 403.9 | 409.6 | 414.6 |
| 45° | 342.9 | 347.8 | 352.6 | 357.4 | 362.3 | 367.9 | 374.1 | 380.5 | 386.7 | 393.0 | 398.6 |
| 47.5° | 319.4 | 324.7 | 330.0 | 335.3 | 340.6 | 346.9 | 354.3 | 361.6 | 369.0 | 376.4 | 382.2 |
| 50° | 303.2 | 308.9 | 314.4 | 320.0 | 325.5 | 332.4 | 340.5 | 348.6 | 356.6 | 364.7 | 370.8 |
| 52.5° | 287.7 | 293.6 | 299.4 | 305.3 | 311.2 | 318.4 | 326.9 | 335.4 | 343.9 | 352.4 | 358.7 |
| 55° | 262.8 | 269.3 | 275.8 | 282.3 | 288.7 | 296.6 | 305.9 | 315.3 | 324.6 | 334.0 | 340.5 |
| 57.5° | 238.2 | 245.6 | 252.9 | 260.2 | 267.4 | 275.8 | 285.3 | 294.9 | 304.4 | 313.9 | 320.9 |
| 60° | 220.8 | 228.5 | 236.2 | 244.0 | 251.7 | 260.7 | 270.9 | 281.1 | 291.4 | 301.7 | 308.5 |
| 62.5° | 205.3 | 213.3 | 221.3 | 229.3 | 237.3 | 246.4 | 256.7 | 266.9 | 277.2 | 287.4 | 294.7 |
| 65° | 179.5 | 188.3 | 197.2 | 206.0 | 214.8 | 224.4 | 235.0 | 245.7 | 256.3 | 266.9 | 274.3 |
| 67.5° | 155.9 | 165.1 | 174.4 | 183.5 | 192.7 | 202.7 | 213.6 | 224.4 | 235.3 | 246.1 | 253.6 |
| 70° | 139.1 | 148.5 | 157.8 | 167.2 | 176.5 | 186.7 | 197.9 | 209.0 | 220.1 | 231.3 | 239.0 |
| 72.5° | 123.6 | 133.2 | 142.8 | 152.5 | 162.1 | 172.5 | 183.9 | 195.1 | 206.4 | 217.7 | 225.3 |
| 75° | 99.5 | 109.6 | 119.6 | 129.7 | 139.7 | 150.5 | 162.0 | 173.5 | 185.0 | 196.5 | 204.2 |
| 77.5° | 76.2 | 86.7 | 97.3 | 107.7 | 118.3 | 129.4 | 141.1 | 152.8 | 164.5 | 176.1 | 183.9 |
| 80° | 60.7 | 71.6 | 82.5 | 93.6 | 104.5 | 115.8 | 127.5 | 139.2 | 150.8 | 162.6 | 170.1 |
| 82.5° | 47.7 | 58.5 | 69.3 | 80.2 | 91.0 | 102.3 | 114.2 | 126.0 | 137.8 | 149.6 | 157.2 |
| 85° | 29.2 | 40.2 | 51.4 | 62.5 | 73.7 | 85.0 | 96.5 | 108.0 | 119.5 | 131.0 | 138.6 |
| 87.5° | 16.0 | 27.0 | 38.0 | 49.1 | 60.1 | 71.7 | 83.8 | 95.9 | 108.1 | 120.2 | 127.4 |
| 90° | 8.7 | 20.8 | 32.9 | 44.9 | 57.0 | 70.3 | 84.8 | 99.3 | 113.9 | 128.4 | 135.3 |
| 92.5° | 18.5 | 29.4 | 40.3 | 51.2 | 62.1 | 73.4 | 85.2 | 97.0 | 108.8 | 120.6 | 127.7 |
| 95° | 38.7 | 48.5 | 58.3 | 68.1 | 78.0 | 88.4 | 99.4 | 110.5 | 121.6 | 132.6 | 139.4 |
| 97.5° | 64.5 | 73.2 | 81.9 | 90.6 | 99.3 | 109.2 | 120.0 | 130.9 | 141.8 | 152.7 | 159.3 |
| 100° | 84.3 | 92.1 | 99.8 | 107.6 | 115.3 | 124.5 | 134.9 | 145.4 | 155.8 | 166.4 | 172.9 |
| 102.5° | 104.5 | 111.4 | 118.4 | 125.3 | 132.3 | 140.9 | 151.2 | 161.5 | 171.8 | 182.1 | 188.7 |
| 105° | 137.2 | 142.8 | 148.5 | 154.1 | 159.7 | 167.3 | 176.9 | 186.6 | 196.1 | 205.8 | 212.3 |
| 107.5° | 171.0 | 175.7 | 180.5 | 185.3 | 190.0 | 196.9 | 205.9 | 214.8 | 223.8 | 232.7 | 238.8 |
| 110° | 192.1 | 196.5 | 200.9 | 205.3 | 209.8 | 216.3 | 225.2 | 234.0 | 242.8 | 251.6 | 257.4 |



TEST NUMBER: P331352-927

CATALOG NUMBER: SA2XXDIP-C675D725U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 215.9 | 219.8 | 223.6 | 227.4 | 231.2 | 237.3 | 245.6 | 253.8 | 262.1 | 270.4 | 275.8 |
| 115° | 250.9 | 253.7 | 256.5 | 259.4 | 262.1 | 267.4 | 275.3 | 283.0 | 290.9 | 298.7 | 304.0 |
| 117.5° | 285.0 | 287.4 | 289.8 | 292.2 | 294.6 | 299.1 | 305.9 | 312.6 | 319.2 | 326.0 | 331.0 |
| 120° | 308.3 | 310.1 | 312.0 | 313.8 | 315.6 | 319.6 | 325.7 | 331.7 | 337.8 | 343.9 | 349.0 |
| 122.5° | 329.6 | 331.2 | 332.8 | 334.5 | 336.0 | 339.8 | 345.9 | 351.8 | 357.8 | 363.8 | 368.4 |
| 125° | 362.0 | 363.2 | 364.5 | 365.7 | 366.9 | 370.3 | 375.6 | 380.9 | 386.3 | 391.6 | 396.0 |
| 127.5° | 394.3 | 395.7 | 397.1 | 398.5 | 399.9 | 402.7 | 406.8 | 410.9 | 415.0 | 419.2 | 423.2 |
| 130° | 414.6 | 416.2 | 417.9 | 419.5 | 421.0 | 423.6 | 427.1 | 430.6 | 434.1 | 437.6 | 441.6 |
| 132.5° | 437.4 | 438.7 | 440.0 | 441.2 | 442.5 | 444.7 | 447.6 | 450.6 | 453.5 | 456.5 | 460.1 |
| 135° | 467.1 | 468.6 | 470.1 | 471.6 | 473.1 | 474.9 | 477.0 | 479.0 | 481.2 | 483.2 | 486.9 |
| 137.5° | 499.2 | 500.3 | 501.5 | 502.7 | 504.0 | 505.1 | 506.3 | 507.4 | 508.6 | 509.7 | 512.9 |
| 140° | 518.5 | 519.5 | 520.5 | 521.7 | 522.7 | 523.7 | 524.8 | 525.9 | 526.9 | 527.9 | 530.8 |
| 142.5° | 538.3 | 539.3 | 540.4 | 541.5 | 542.5 | 543.3 | 543.8 | 544.4 | 544.9 | 545.5 | 547.9 |
| 145° | 565.9 | 566.9 | 567.9 | 568.9 | 569.8 | 570.7 | 571.6 | 572.4 | 573.1 | 574.0 | 575.2 |
| 147.5° | 591.4 | 592.5 | 593.7 | 594.8 | 596.0 | 596.8 | 597.4 | 597.9 | 598.5 | 599.0 | 599.4 |
| 150° | 608.7 | 609.5 | 610.3 | 611.2 | 612.0 | 612.7 | 613.2 | 613.8 | 614.3 | 614.9 | 615.3 |
| 152.5° | 624.0 | 624.9 | 625.7 | 626.5 | 627.3 | 628.0 | 628.8 | 629.4 | 630.0 | 630.7 | 631.2 |
| 155° | 647.1 | 647.5 | 647.9 | 648.3 | 648.7 | 649.1 | 649.5 | 650.0 | 650.4 | 650.8 | 651.5 |
| 157.5° | 666.8 | 667.0 | 667.3 | 667.6 | 667.9 | 668.1 | 668.4 | 668.6 | 668.8 | 669.1 | 670.0 |
| 160° | 678.7 | 678.9 | 679.2 | 679.5 | 679.8 | 679.9 | 680.1 | 680.2 | 680.4 | 680.5 | 681.4 |
| 162.5° | 689.5 | 689.6 | 689.7 | 689.7 | 689.8 | 689.8 | 690.0 | 690.1 | 690.3 | 690.4 | 691.3 |
| 165° | 704.0 | 703.9 | 703.8 | 703.6 | 703.5 | 703.4 | 703.4 | 703.4 | 703.4 | 703.4 | 704.4 |
| 167.5° | 716.1 | 715.7 | 715.3 | 714.9 | 714.5 | 714.3 | 714.3 | 714.2 | 714.2 | 714.2 | 715.2 |
| 170° | 722.6 | 722.2 | 721.8 | 721.4 | 721.0 | 720.6 | 720.6 | 720.4 | 720.3 | 720.1 | 721.1 |
| 172.5° | 727.1 | 726.7 | 726.3 | 725.8 | 725.4 | 725.2 | 725.0 | 724.8 | 724.8 | 724.6 | 725.6 |
| 175° | 732.5 | 732.1 | 731.7 | 731.3 | 730.9 | 730.6 | 730.2 | 730.0 | 729.7 | 729.4 | 730.4 |
| 177.5° | 734.7 | 734.4 | 734.1 | 733.7 | 733.4 | 733.2 | 732.9 | 732.7 | 732.5 | 732.3 | 732.9 |
| 180° | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 |



TEST NUMBER: P331352-927

CATALOG NUMBER: SA2XXDIP-C675D725U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 |
| 2.5° | 556.2 | 556.9 | 557.6 | 557.9 | 557.5 | 557.3 | 557.0 | 556.7 |
| 5° | 554.5 | 555.6 | 556.7 | 557.1 | 556.9 | 556.7 | 556.6 | 556.3 |
| 7.5° | 551.8 | 553.2 | 554.4 | 555.0 | 554.8 | 554.6 | 554.4 | 554.3 |
| 10° | 549.5 | 551.0 | 552.5 | 553.0 | 552.9 | 552.7 | 552.5 | 552.3 |
| 12.5° | 545.7 | 547.1 | 548.6 | 549.1 | 549.0 | 548.8 | 548.7 | 548.4 |
| 15° | 538.6 | 540.2 | 541.9 | 542.6 | 542.4 | 542.2 | 542.0 | 541.9 |
| 17.5° | 529.5 | 531.2 | 532.9 | 533.8 | 533.8 | 533.8 | 533.8 | 533.8 |
| 20° | 522.4 | 524.3 | 526.2 | 527.3 | 527.3 | 527.3 | 527.3 | 527.3 |
| 22.5° | 514.6 | 516.6 | 518.5 | 519.7 | 519.9 | 520.2 | 520.5 | 520.8 |
| 25° | 502.5 | 504.6 | 506.8 | 508.1 | 508.7 | 509.2 | 509.8 | 510.3 |
| 27.5° | 489.1 | 491.8 | 494.6 | 496.1 | 496.5 | 496.9 | 497.3 | 497.6 |
| 30° | 479.7 | 482.5 | 485.4 | 487.1 | 487.7 | 488.2 | 488.7 | 489.3 |
| 32.5° | 469.5 | 472.9 | 476.1 | 478.2 | 479.3 | 480.2 | 481.2 | 482.1 |
| 35° | 455.1 | 459.1 | 463.0 | 465.6 | 466.9 | 468.2 | 469.4 | 470.6 |
| 37.5° | 440.3 | 444.7 | 449.1 | 451.9 | 453.3 | 454.6 | 455.9 | 457.2 |
| 40° | 429.8 | 434.5 | 439.2 | 442.4 | 443.9 | 445.6 | 447.2 | 448.9 |
| 42.5° | 419.7 | 424.8 | 429.9 | 433.3 | 434.9 | 436.6 | 438.2 | 439.7 |
| 45° | 404.2 | 409.7 | 415.3 | 419.0 | 420.8 | 422.6 | 424.4 | 426.2 |
| 47.5° | 388.0 | 393.9 | 399.7 | 403.5 | 405.5 | 407.5 | 409.5 | 411.5 |
| 50° | 376.9 | 383.0 | 389.2 | 393.2 | 395.2 | 397.2 | 399.1 | 401.1 |
| 52.5° | 365.0 | 371.2 | 377.5 | 381.7 | 383.7 | 385.9 | 388.0 | 390.1 |
| 55° | 346.9 | 353.4 | 359.9 | 364.2 | 366.6 | 368.9 | 371.3 | 373.6 |
| 57.5° | 327.9 | 334.9 | 341.8 | 346.5 | 348.9 | 351.3 | 353.6 | 356.0 |
| 60° | 315.3 | 322.1 | 329.0 | 333.7 | 336.1 | 338.7 | 341.2 | 343.7 |
| 62.5° | 301.9 | 309.2 | 316.5 | 321.3 | 323.6 | 326.0 | 328.4 | 330.7 |
| 65° | 281.6 | 289.0 | 296.4 | 301.2 | 303.6 | 305.9 | 308.2 | 310.5 |
| 67.5° | 261.0 | 268.5 | 275.9 | 280.9 | 283.3 | 285.7 | 288.2 | 290.7 |
| 70° | 246.8 | 254.4 | 262.2 | 267.1 | 269.3 | 271.5 | 273.6 | 275.8 |
| 72.5° | 232.9 | 240.4 | 248.0 | 253.1 | 255.7 | 258.3 | 260.9 | 263.5 |
| 75° | 212.0 | 219.7 | 227.4 | 232.4 | 234.8 | 237.1 | 239.5 | 241.8 |
| 77.5° | 191.5 | 199.2 | 206.9 | 212.0 | 214.5 | 217.1 | 219.5 | 222.0 |
| 80° | 177.6 | 185.2 | 192.7 | 197.8 | 200.3 | 202.8 | 205.3 | 207.9 |
| 82.5° | 164.7 | 172.2 | 179.8 | 184.7 | 187.1 | 189.5 | 191.9 | 194.2 |
| 85° | 146.1 | 153.7 | 161.2 | 166.2 | 168.7 | 171.3 | 173.8 | 176.3 |
| 87.5° | 134.7 | 142.0 | 149.2 | 154.1 | 156.4 | 158.7 | 161.1 | 163.3 |
| 90° | 142.3 | 149.2 | 156.1 | 160.7 | 163.0 | 165.2 | 167.5 | 169.8 |
| 92.5° | 134.8 | 141.9 | 149.0 | 153.7 | 155.8 | 158.0 | 160.2 | 162.4 |
| 95° | 146.3 | 153.1 | 159.9 | 164.3 | 166.2 | 168.1 | 169.9 | 171.8 |
| 97.5° | 166.0 | 172.6 | 179.3 | 183.6 | 185.8 | 187.8 | 189.9 | 192.0 |
| 100° | 179.6 | 186.2 | 192.9 | 197.2 | 199.0 | 200.8 | 202.6 | 204.5 |
| 102.5° | 195.4 | 201.9 | 208.6 | 212.8 | 214.6 | 216.5 | 218.3 | 220.1 |
| 105° | 218.9 | 225.5 | 232.0 | 236.3 | 238.3 | 240.3 | 242.2 | 244.2 |
| 107.5° | 245.0 | 251.1 | 257.3 | 261.0 | 262.4 | 263.7 | 265.1 | 266.4 |
| 110° | 263.1 | 268.9 | 274.6 | 278.3 | 279.8 | 281.4 | 283.0 | 284.6 |



TEST NUMBER: P331352-927

CATALOG NUMBER: SA2XXDIP-C675D725U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 281.2 | 286.6 | 292.1 | 295.6 | 297.2 | 299.0 | 300.6 | 302.3 |
| 115° | 309.2 | 314.4 | 319.7 | 323.1 | 324.6 | 326.2 | 327.8 | 329.4 |
| 117.5° | 336.0 | 341.0 | 345.9 | 349.1 | 350.5 | 352.0 | 353.4 | 354.8 |
| 120° | 353.9 | 359.0 | 364.0 | 367.3 | 368.9 | 370.4 | 372.0 | 373.6 |
| 122.5° | 372.9 | 377.5 | 382.0 | 385.0 | 386.3 | 387.8 | 389.1 | 390.5 |
| 125° | 400.4 | 404.9 | 409.3 | 412.3 | 413.8 | 415.3 | 416.8 | 418.2 |
| 127.5° | 427.1 | 431.1 | 435.1 | 437.6 | 438.7 | 439.9 | 441.0 | 442.2 |
| 130° | 445.7 | 449.7 | 453.8 | 456.2 | 457.1 | 458.0 | 458.9 | 459.8 |
| 132.5° | 463.7 | 467.2 | 470.8 | 473.1 | 474.0 | 475.1 | 476.0 | 477.1 |
| 135° | 490.4 | 494.1 | 497.7 | 500.1 | 501.1 | 502.2 | 503.2 | 504.1 |
| 137.5° | 516.1 | 519.3 | 522.5 | 524.4 | 525.1 | 525.8 | 526.5 | 527.1 |
| 140° | 533.7 | 536.5 | 539.5 | 541.1 | 541.7 | 542.2 | 542.7 | 543.3 |
| 142.5° | 550.3 | 552.7 | 555.1 | 556.5 | 556.9 | 557.3 | 557.7 | 558.0 |
| 145° | 576.5 | 577.7 | 578.8 | 579.6 | 580.0 | 580.4 | 580.7 | 581.1 |
| 147.5° | 599.9 | 600.4 | 600.8 | 600.9 | 600.9 | 600.8 | 600.7 | 600.6 |
| 150° | 615.7 | 616.1 | 616.6 | 616.6 | 616.1 | 615.7 | 615.3 | 614.9 |
| 152.5° | 631.8 | 632.3 | 632.8 | 632.8 | 632.3 | 631.8 | 631.2 | 630.7 |
| 155° | 652.1 | 652.8 | 653.6 | 653.7 | 653.2 | 652.8 | 652.4 | 652.0 |
| 157.5° | 671.0 | 671.9 | 672.9 | 673.0 | 672.3 | 671.7 | 671.0 | 670.3 |
| 160° | 682.1 | 683.0 | 683.8 | 684.0 | 683.4 | 682.9 | 682.3 | 681.8 |
| 162.5° | 692.3 | 693.2 | 694.2 | 694.3 | 693.6 | 693.0 | 692.3 | 691.7 |
| 165° | 705.4 | 706.3 | 707.3 | 707.4 | 706.7 | 706.0 | 705.4 | 704.6 |
| 167.5° | 716.1 | 717.1 | 718.0 | 718.2 | 717.5 | 716.8 | 716.1 | 715.3 |
| 170° | 722.1 | 723.0 | 724.0 | 724.1 | 723.3 | 722.4 | 721.6 | 720.7 |
| 172.5° | 726.5 | 727.5 | 728.4 | 728.5 | 727.7 | 726.8 | 726.0 | 725.2 |
| 175° | 731.3 | 732.3 | 733.2 | 733.3 | 732.5 | 731.7 | 730.9 | 730.1 |
| 177.5° | 733.6 | 734.3 | 734.9 | 734.9 | 734.3 | 733.6 | 732.9 | 732.3 |
| 180° | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 | 733.7 |

(END OF REPORT)