

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: P331352-930

Luminaire Tested: **SA2XXDIP-C675D725U930-4F0-1E-UDD-D1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331352-930
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-C675D725U930-4F0-1E-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: 4305.5 lumens
Efficiency: N/A
Efficacy: 93.8 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: General Diffuse

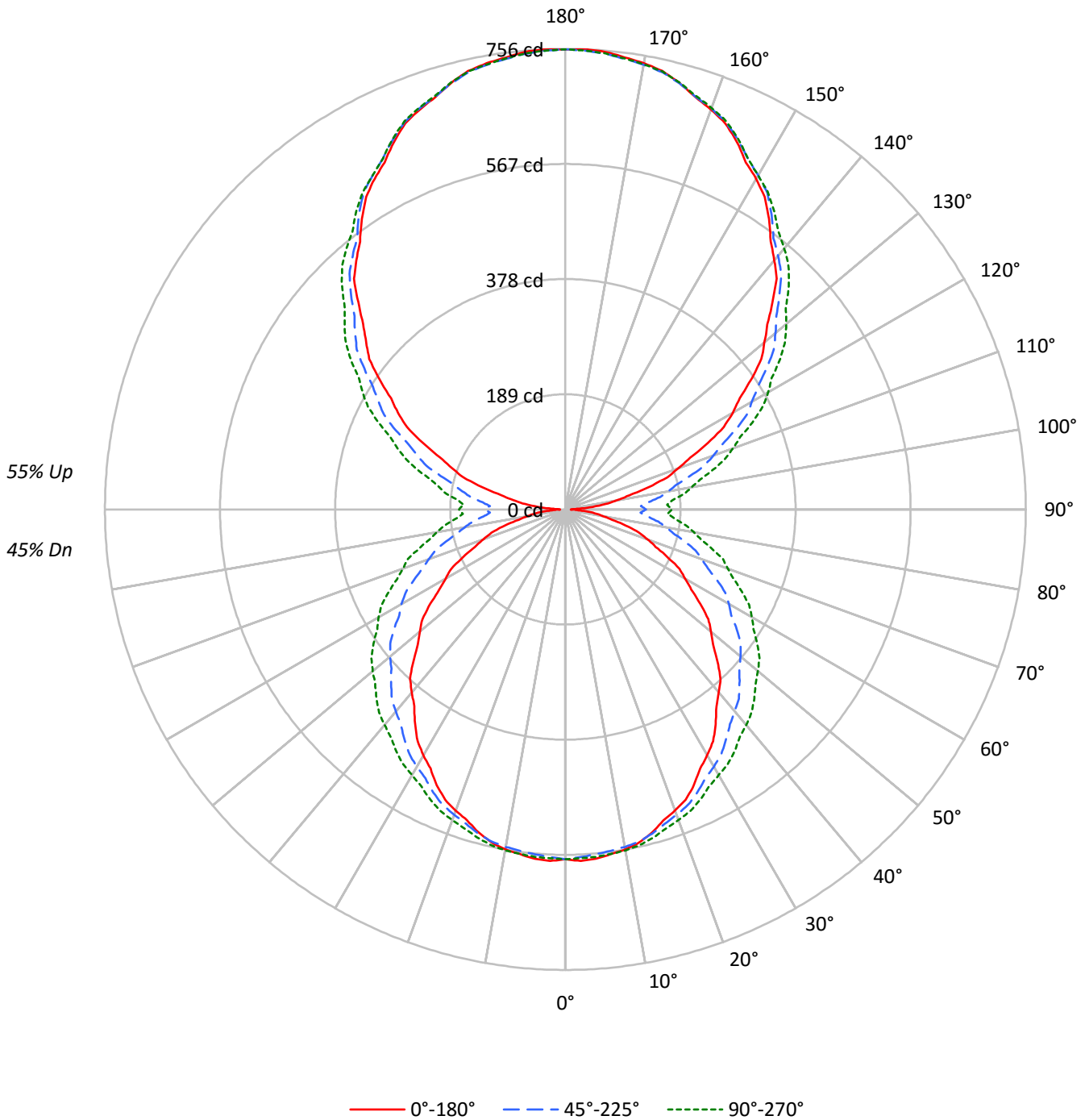
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331352-930

CATALOG NUMBER: SA2XXDIP-C675D725U930-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331352-930

CATALOG NUMBER: SA2XXDIP-C675D725U930-4F0-1E-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° | 9273 | 9273 | 9273 |
| 5° | 9317 | 8925 | 8891 |
| 10° | 9259 | 8661 | 8564 |
| 15° | 9131 | 8383 | 8221 |
| 20° | 8970 | 8083 | 7889 |
| 25° | 8811 | 7795 | 7587 |
| 30° | 8587 | 7498 | 7284 |
| 35° | 8359 | 7211 | 7072 |
| 40° | 8120 | 6969 | 6858 |
| 45° | 7894 | 6750 | 6677 |
| 50° | 7650 | 6553 | 6497 |
| 55° | 7394 | 6340 | 6314 |
| 60° | 7081 | 6122 | 6123 |
| 65° | 6755 | 5864 | 5892 |
| 70° | 6394 | 5587 | 5644 |
| 75° | 5927 | 5315 | 5415 |
| 80° | 5197 | 5036 | 5185 |
| 85° | 4489 | 4797 | 5004 |



TEST NUMBER: P331352-930

CATALOG NUMBER: SA2XXDIP-C675D725U930-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.4 | 1.3 |
| 10°-20° | 156.0 | 3.6 |
| 20°-30° | 236.5 | 5.5 |
| 30°-40° | 288.0 | 6.7 |
| 40°-50° | 309.9 | 7.2 |
| 50°-60° | 300.9 | 7.0 |
| 60°-70° | 262.7 | 6.1 |
| 70°-80° | 202.3 | 4.7 |
| 80°-90° | 138.8 | 3.2 |
| 90°-100° | 141.4 | 3.3 |
| 100°-110° | 216.9 | 5.0 |
| 110°-120° | 299.2 | 6.9 |
| 120°-130° | 359.3 | 8.3 |
| 130°-140° | 385.5 | 9.0 |
| 140°-150° | 369.5 | 8.6 |
| 150°-160° | 308.4 | 7.2 |
| 160°-170° | 204.5 | 4.8 |
| 170°-180° | 71.5 | 1.7 |
| 0°-30° | 446.9 | 10.4 |
| 0°-40° | 734.9 | 17.1 |
| 0°-60° | 1345.7 | 31.3 |
| 0°-90° | 1949.5 | 45.3 |
| 90°-120° | 657.4 | 15.3 |
| 90°-150° | 1771.7 | 41.1 |
| 90°-180° | 2356.0 | 54.7 |
| 0°-180° | 4305.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 574 | 574 | 574 | 574 | 574 | |
| 5° | 576 | 573 | 568 | 573 | 573 | 55 |
| 15° | 549 | 551 | 551 | 558 | 558 | 155 |
| 25° | 499 | 505 | 513 | 522 | 525 | 229 |
| 35° | 430 | 445 | 460 | 478 | 484 | 269 |
| 45° | 353 | 376 | 404 | 429 | 439 | 272 |
| 55° | 270 | 301 | 344 | 373 | 384 | 242 |
| 65° | 185 | 226 | 275 | 308 | 320 | 183 |
| 75° | 102 | 149 | 202 | 237 | 249 | 108 |
| 85° | 30 | 82 | 135 | 168 | 181 | 32 |
| 90° | 9 | 66 | 132 | 163 | 175 | 7 |
| 95° | 40 | 86 | 136 | 167 | 177 | 43 |
| 105° | 141 | 168 | 212 | 241 | 251 | 149 |
| 115° | 258 | 272 | 307 | 331 | 339 | 255 |
| 125° | 373 | 379 | 403 | 423 | 430 | 333 |
| 135° | 481 | 488 | 497 | 514 | 519 | 371 |
| 145° | 582 | 587 | 591 | 596 | 598 | 364 |
| 155° | 666 | 668 | 670 | 673 | 671 | 306 |
| 165° | 725 | 724 | 724 | 728 | 725 | 204 |
| 175° | 754 | 752 | 751 | 755 | 751 | 72 |
| 180° | 755 | 755 | 755 | 755 | 755 | |



TEST NUMBER: P331352-930

CATALOG NUMBER: SA2XXDIP-C675D725U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 |
| 2.5° | 577.6 | 577.2 | 576.7 | 576.3 | 575.8 | 575.1 | 574.1 | 573.0 | 572.0 | 571.0 | 571.7 |
| 5° | 575.9 | 575.4 | 574.9 | 574.3 | 573.7 | 572.9 | 571.8 | 570.7 | 569.6 | 568.4 | 569.6 |
| 7.5° | 570.8 | 570.4 | 570.1 | 569.6 | 569.3 | 568.7 | 567.9 | 567.0 | 566.1 | 565.3 | 566.6 |
| 10° | 566.8 | 566.4 | 566.1 | 565.7 | 565.3 | 564.8 | 564.3 | 563.8 | 563.2 | 562.6 | 564.1 |
| 12.5° | 560.1 | 560.2 | 560.3 | 560.4 | 560.4 | 560.3 | 559.9 | 559.5 | 559.1 | 558.6 | 560.1 |
| 15° | 549.3 | 549.7 | 550.1 | 550.4 | 550.8 | 551.0 | 551.0 | 551.0 | 551.0 | 551.0 | 552.6 |
| 17.5° | 535.3 | 536.1 | 536.9 | 537.7 | 538.4 | 539.2 | 539.7 | 540.3 | 540.9 | 541.5 | 543.2 |
| 20° | 526.0 | 526.9 | 527.8 | 528.8 | 529.7 | 530.5 | 531.2 | 532.1 | 532.8 | 533.5 | 535.6 |
| 22.5° | 516.0 | 517.1 | 518.2 | 519.3 | 520.3 | 521.4 | 522.4 | 523.4 | 524.5 | 525.5 | 527.6 |
| 25° | 499.4 | 500.7 | 502.0 | 503.3 | 504.6 | 506.1 | 507.7 | 509.4 | 511.0 | 512.7 | 514.9 |
| 27.5° | 479.4 | 481.5 | 483.6 | 485.8 | 487.9 | 489.9 | 491.9 | 493.8 | 495.8 | 497.7 | 500.5 |
| 30° | 466.1 | 468.5 | 470.9 | 473.3 | 475.7 | 478.1 | 480.5 | 482.9 | 485.3 | 487.7 | 490.6 |
| 32.5° | 451.4 | 454.1 | 456.8 | 459.5 | 462.3 | 465.0 | 467.9 | 470.7 | 473.5 | 476.4 | 479.8 |
| 35° | 430.3 | 433.4 | 436.6 | 439.7 | 442.9 | 446.2 | 449.7 | 453.2 | 456.7 | 460.2 | 464.3 |
| 37.5° | 407.3 | 411.0 | 414.6 | 418.2 | 421.8 | 425.9 | 430.5 | 435.0 | 439.5 | 444.1 | 448.7 |
| 40° | 392.0 | 396.1 | 400.1 | 404.2 | 408.3 | 412.8 | 417.8 | 422.8 | 427.8 | 432.8 | 437.6 |
| 42.5° | 377.4 | 381.4 | 385.5 | 389.6 | 393.6 | 398.5 | 404.3 | 410.0 | 415.7 | 421.5 | 426.7 |
| 45° | 352.9 | 357.9 | 362.9 | 367.9 | 372.8 | 378.6 | 385.1 | 391.6 | 398.0 | 404.5 | 410.3 |
| 47.5° | 328.7 | 334.2 | 339.7 | 345.0 | 350.5 | 357.0 | 364.6 | 372.2 | 379.8 | 387.3 | 393.4 |
| 50° | 312.1 | 317.9 | 323.6 | 329.3 | 335.0 | 342.1 | 350.4 | 358.7 | 367.0 | 375.4 | 381.6 |
| 52.5° | 296.1 | 302.1 | 308.2 | 314.2 | 320.2 | 327.7 | 336.4 | 345.2 | 353.9 | 362.7 | 369.2 |
| 55° | 270.5 | 277.1 | 283.8 | 290.5 | 297.1 | 305.2 | 314.9 | 324.5 | 334.1 | 343.7 | 350.4 |
| 57.5° | 245.2 | 252.7 | 260.2 | 267.7 | 275.2 | 283.9 | 293.7 | 303.5 | 313.3 | 323.1 | 330.3 |
| 60° | 227.2 | 235.1 | 243.1 | 251.1 | 259.0 | 268.3 | 278.8 | 289.3 | 299.9 | 310.5 | 317.5 |
| 62.5° | 211.2 | 219.5 | 227.7 | 235.9 | 244.3 | 253.6 | 264.2 | 274.7 | 285.3 | 295.8 | 303.3 |
| 65° | 184.7 | 193.8 | 202.9 | 212.0 | 221.0 | 231.0 | 241.9 | 252.8 | 263.7 | 274.7 | 282.3 |
| 67.5° | 160.5 | 169.9 | 179.4 | 188.9 | 198.4 | 208.6 | 219.8 | 231.0 | 242.1 | 253.3 | 261.0 |
| 70° | 143.2 | 152.8 | 162.4 | 172.0 | 181.6 | 192.2 | 203.7 | 215.1 | 226.6 | 238.1 | 246.0 |
| 72.5° | 127.2 | 137.1 | 147.0 | 156.9 | 166.8 | 177.6 | 189.2 | 200.8 | 212.5 | 224.0 | 231.9 |
| 75° | 102.4 | 112.8 | 123.1 | 133.5 | 143.8 | 154.9 | 166.7 | 178.6 | 190.4 | 202.3 | 210.2 |
| 77.5° | 78.4 | 89.3 | 100.1 | 110.9 | 121.7 | 133.2 | 145.2 | 157.3 | 169.3 | 181.2 | 189.2 |
| 80° | 62.5 | 73.7 | 85.0 | 96.3 | 107.5 | 119.2 | 131.3 | 143.2 | 155.2 | 167.3 | 175.0 |
| 82.5° | 49.1 | 60.3 | 71.3 | 82.5 | 93.7 | 105.3 | 117.5 | 129.6 | 141.8 | 154.0 | 161.8 |
| 85° | 30.0 | 41.4 | 52.9 | 64.3 | 75.8 | 87.5 | 99.3 | 111.1 | 123.0 | 134.9 | 142.6 |
| 87.5° | 16.5 | 27.8 | 39.1 | 50.5 | 61.9 | 73.8 | 86.3 | 98.7 | 111.2 | 123.7 | 131.1 |
| 90° | 9.0 | 21.4 | 33.8 | 46.2 | 58.7 | 72.3 | 87.3 | 102.2 | 117.2 | 132.2 | 139.3 |
| 92.5° | 19.0 | 30.2 | 41.5 | 52.7 | 63.9 | 75.6 | 87.7 | 99.9 | 112.0 | 124.2 | 131.4 |
| 95° | 39.8 | 49.9 | 60.0 | 70.1 | 80.2 | 91.0 | 102.3 | 113.7 | 125.1 | 136.5 | 143.5 |
| 97.5° | 66.4 | 75.3 | 84.3 | 93.3 | 102.2 | 112.3 | 123.5 | 134.8 | 145.9 | 157.1 | 164.0 |
| 100° | 86.7 | 94.7 | 102.7 | 110.7 | 118.6 | 128.1 | 138.8 | 149.6 | 160.4 | 171.2 | 178.0 |
| 102.5° | 107.5 | 114.6 | 121.8 | 129.0 | 136.2 | 145.0 | 155.6 | 166.2 | 176.8 | 187.4 | 194.2 |
| 105° | 141.2 | 147.0 | 152.8 | 158.6 | 164.4 | 172.2 | 182.1 | 192.0 | 201.9 | 211.8 | 218.5 |
| 107.5° | 175.9 | 180.8 | 185.7 | 190.7 | 195.6 | 202.7 | 211.9 | 221.1 | 230.3 | 239.5 | 245.8 |
| 110° | 197.7 | 202.3 | 206.8 | 211.3 | 215.9 | 222.7 | 231.8 | 240.8 | 249.9 | 258.9 | 264.9 |



TEST NUMBER: P331352-930

CATALOG NUMBER: SA2XXDIP-C675D725U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 222.2 | 226.2 | 230.1 | 234.1 | 238.0 | 244.3 | 252.7 | 261.2 | 269.8 | 278.3 | 283.8 |
| 115° | 258.2 | 261.1 | 264.0 | 266.9 | 269.8 | 275.2 | 283.3 | 291.3 | 299.4 | 307.4 | 312.8 |
| 117.5° | 293.3 | 295.8 | 298.2 | 300.8 | 303.2 | 307.9 | 314.8 | 321.7 | 328.6 | 335.5 | 340.6 |
| 120° | 317.3 | 319.2 | 321.1 | 322.9 | 324.8 | 328.9 | 335.2 | 341.4 | 347.6 | 353.9 | 359.1 |
| 122.5° | 339.2 | 340.9 | 342.5 | 344.2 | 345.8 | 349.8 | 356.0 | 362.1 | 368.3 | 374.4 | 379.1 |
| 125° | 372.6 | 373.8 | 375.1 | 376.3 | 377.6 | 381.1 | 386.5 | 392.0 | 397.5 | 403.0 | 407.6 |
| 127.5° | 405.9 | 407.2 | 408.7 | 410.1 | 411.6 | 414.4 | 418.7 | 422.9 | 427.1 | 431.5 | 435.5 |
| 130° | 426.7 | 428.4 | 430.1 | 431.7 | 433.3 | 435.9 | 439.6 | 443.2 | 446.8 | 450.4 | 454.5 |
| 132.5° | 450.2 | 451.5 | 452.8 | 454.1 | 455.4 | 457.6 | 460.6 | 463.7 | 466.8 | 469.9 | 473.5 |
| 135° | 480.7 | 482.2 | 483.8 | 485.3 | 486.9 | 488.8 | 490.9 | 493.0 | 495.2 | 497.3 | 501.1 |
| 137.5° | 513.7 | 514.9 | 516.2 | 517.4 | 518.7 | 519.8 | 521.1 | 522.2 | 523.4 | 524.6 | 527.9 |
| 140° | 533.6 | 534.7 | 535.7 | 536.9 | 537.9 | 539.0 | 540.1 | 541.2 | 542.3 | 543.3 | 546.3 |
| 142.5° | 554.0 | 555.1 | 556.2 | 557.3 | 558.3 | 559.1 | 559.7 | 560.3 | 560.8 | 561.4 | 563.9 |
| 145° | 582.4 | 583.4 | 584.5 | 585.5 | 586.4 | 587.3 | 588.2 | 589.1 | 589.9 | 590.8 | 592.0 |
| 147.5° | 608.6 | 609.8 | 611.0 | 612.1 | 613.3 | 614.2 | 614.8 | 615.4 | 616.0 | 616.5 | 616.9 |
| 150° | 626.5 | 627.3 | 628.1 | 629.0 | 629.8 | 630.6 | 631.1 | 631.7 | 632.3 | 632.8 | 633.2 |
| 152.5° | 642.2 | 643.1 | 643.9 | 644.8 | 645.6 | 646.4 | 647.1 | 647.8 | 648.4 | 649.1 | 649.6 |
| 155° | 665.9 | 666.3 | 666.8 | 667.2 | 667.6 | 668.1 | 668.5 | 669.0 | 669.4 | 669.8 | 670.5 |
| 157.5° | 686.2 | 686.5 | 686.8 | 687.1 | 687.4 | 687.6 | 687.9 | 688.1 | 688.4 | 688.6 | 689.6 |
| 160° | 698.5 | 698.7 | 699.0 | 699.3 | 699.6 | 699.8 | 699.9 | 700.1 | 700.3 | 700.3 | 701.2 |
| 162.5° | 709.6 | 709.7 | 709.8 | 709.8 | 709.9 | 710.0 | 710.1 | 710.3 | 710.5 | 710.5 | 711.5 |
| 165° | 724.6 | 724.5 | 724.3 | 724.1 | 724.0 | 723.9 | 723.9 | 723.9 | 723.9 | 723.9 | 725.0 |
| 167.5° | 737.0 | 736.6 | 736.2 | 735.8 | 735.4 | 735.2 | 735.2 | 735.1 | 735.1 | 735.0 | 736.1 |
| 170° | 743.7 | 743.3 | 742.8 | 742.4 | 742.0 | 741.7 | 741.6 | 741.4 | 741.3 | 741.1 | 742.2 |
| 172.5° | 748.3 | 747.9 | 747.5 | 747.0 | 746.6 | 746.3 | 746.2 | 746.0 | 745.9 | 745.8 | 746.7 |
| 175° | 753.9 | 753.5 | 753.0 | 752.6 | 752.2 | 751.9 | 751.5 | 751.3 | 751.0 | 750.7 | 751.7 |
| 177.5° | 756.2 | 755.9 | 755.5 | 755.1 | 754.8 | 754.6 | 754.3 | 754.1 | 753.8 | 753.7 | 754.3 |
| 180° | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 |



TEST NUMBER: P331352-930

CATALOG NUMBER: SA2XXDIP-C675D725U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 | 574.3 |
| 2.5° | 572.4 | 573.2 | 573.9 | 574.1 | 573.8 | 573.6 | 573.2 | 573.0 |
| 5° | 570.7 | 571.8 | 572.9 | 573.4 | 573.2 | 573.0 | 572.8 | 572.6 |
| 7.5° | 567.9 | 569.3 | 570.6 | 571.2 | 571.0 | 570.8 | 570.6 | 570.5 |
| 10° | 565.6 | 567.0 | 568.6 | 569.2 | 569.0 | 568.8 | 568.7 | 568.4 |
| 12.5° | 561.6 | 563.0 | 564.6 | 565.2 | 565.0 | 564.8 | 564.7 | 564.4 |
| 15° | 554.3 | 556.0 | 557.7 | 558.4 | 558.2 | 558.0 | 557.8 | 557.7 |
| 17.5° | 544.9 | 546.7 | 548.5 | 549.3 | 549.3 | 549.3 | 549.3 | 549.3 |
| 20° | 537.6 | 539.6 | 541.6 | 542.7 | 542.7 | 542.7 | 542.7 | 542.7 |
| 22.5° | 529.6 | 531.7 | 533.6 | 534.8 | 535.1 | 535.4 | 535.7 | 536.0 |
| 25° | 517.1 | 519.3 | 521.5 | 522.9 | 523.5 | 524.1 | 524.6 | 525.2 |
| 27.5° | 503.4 | 506.1 | 509.0 | 510.5 | 510.9 | 511.4 | 511.8 | 512.2 |
| 30° | 493.7 | 496.6 | 499.5 | 501.3 | 501.9 | 502.5 | 503.0 | 503.5 |
| 32.5° | 483.2 | 486.7 | 490.0 | 492.2 | 493.3 | 494.2 | 495.2 | 496.2 |
| 35° | 468.4 | 472.5 | 476.5 | 479.2 | 480.5 | 481.8 | 483.1 | 484.4 |
| 37.5° | 453.1 | 457.6 | 462.2 | 465.1 | 466.5 | 467.8 | 469.2 | 470.6 |
| 40° | 442.4 | 447.2 | 452.0 | 455.3 | 456.9 | 458.6 | 460.2 | 461.9 |
| 42.5° | 431.9 | 437.2 | 442.5 | 446.0 | 447.6 | 449.3 | 450.9 | 452.6 |
| 45° | 416.0 | 421.7 | 427.5 | 431.2 | 433.1 | 435.0 | 436.8 | 438.6 |
| 47.5° | 399.3 | 405.4 | 411.3 | 415.3 | 417.4 | 419.4 | 421.4 | 423.5 |
| 50° | 387.9 | 394.2 | 400.6 | 404.7 | 406.8 | 408.8 | 410.7 | 412.8 |
| 52.5° | 375.6 | 382.0 | 388.5 | 392.8 | 394.9 | 397.1 | 399.3 | 401.5 |
| 55° | 357.0 | 363.7 | 370.4 | 374.9 | 377.3 | 379.7 | 382.1 | 384.5 |
| 57.5° | 337.5 | 344.6 | 351.8 | 356.6 | 359.1 | 361.5 | 363.9 | 366.4 |
| 60° | 324.5 | 331.5 | 338.6 | 343.4 | 345.9 | 348.5 | 351.1 | 353.8 |
| 62.5° | 310.7 | 318.2 | 325.7 | 330.7 | 333.0 | 335.5 | 337.9 | 340.4 |
| 65° | 289.8 | 297.4 | 305.0 | 310.0 | 312.4 | 314.8 | 317.2 | 319.6 |
| 67.5° | 268.6 | 276.3 | 284.0 | 289.1 | 291.6 | 294.1 | 296.6 | 299.1 |
| 70° | 254.0 | 261.9 | 269.9 | 274.9 | 277.1 | 279.4 | 281.6 | 283.8 |
| 72.5° | 239.7 | 247.4 | 255.3 | 260.5 | 263.2 | 265.9 | 268.5 | 271.2 |
| 75° | 218.2 | 226.1 | 234.1 | 239.2 | 241.7 | 244.0 | 246.5 | 248.8 |
| 77.5° | 197.1 | 205.0 | 213.0 | 218.2 | 220.8 | 223.4 | 225.9 | 228.5 |
| 80° | 182.8 | 190.6 | 198.4 | 203.6 | 206.1 | 208.7 | 211.3 | 213.9 |
| 82.5° | 169.5 | 177.2 | 185.1 | 190.1 | 192.6 | 195.0 | 197.5 | 199.9 |
| 85° | 150.3 | 158.2 | 165.9 | 171.0 | 173.7 | 176.3 | 178.9 | 181.4 |
| 87.5° | 138.6 | 146.1 | 153.6 | 158.6 | 160.9 | 163.3 | 165.8 | 168.1 |
| 90° | 146.4 | 153.5 | 160.6 | 165.3 | 167.7 | 170.1 | 172.4 | 174.8 |
| 92.5° | 138.8 | 146.0 | 153.4 | 158.2 | 160.4 | 162.7 | 164.9 | 167.1 |
| 95° | 150.6 | 157.6 | 164.6 | 169.1 | 171.0 | 173.0 | 174.9 | 176.8 |
| 97.5° | 170.8 | 177.7 | 184.5 | 189.0 | 191.2 | 193.3 | 195.4 | 197.6 |
| 100° | 184.8 | 191.7 | 198.5 | 202.9 | 204.8 | 206.7 | 208.6 | 210.5 |
| 102.5° | 201.1 | 207.8 | 214.7 | 219.0 | 220.9 | 222.8 | 224.7 | 226.6 |
| 105° | 225.3 | 232.0 | 238.8 | 243.2 | 245.2 | 247.3 | 249.3 | 251.4 |
| 107.5° | 252.2 | 258.4 | 264.8 | 268.6 | 270.0 | 271.4 | 272.8 | 274.2 |
| 110° | 270.8 | 276.7 | 282.7 | 286.4 | 288.0 | 289.6 | 291.2 | 292.9 |



TEST NUMBER: P331352-930

CATALOG NUMBER: SA2XXDIP-C675D725U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 289.4 | 295.0 | 300.6 | 304.2 | 305.9 | 307.7 | 309.4 | 311.1 |
| 115° | 318.2 | 323.6 | 329.1 | 332.6 | 334.1 | 335.7 | 337.4 | 339.0 |
| 117.5° | 345.8 | 350.9 | 356.0 | 359.3 | 360.8 | 362.2 | 363.7 | 365.2 |
| 120° | 364.3 | 369.5 | 374.6 | 378.1 | 379.7 | 381.2 | 382.9 | 384.5 |
| 122.5° | 383.8 | 388.5 | 393.1 | 396.2 | 397.6 | 399.1 | 400.5 | 401.9 |
| 125° | 412.1 | 416.7 | 421.3 | 424.4 | 425.8 | 427.4 | 428.9 | 430.4 |
| 127.5° | 439.6 | 443.7 | 447.8 | 450.4 | 451.5 | 452.7 | 453.9 | 455.1 |
| 130° | 458.7 | 462.8 | 467.0 | 469.5 | 470.4 | 471.3 | 472.3 | 473.2 |
| 132.5° | 477.2 | 480.9 | 484.5 | 486.9 | 487.9 | 488.9 | 489.9 | 491.0 |
| 135° | 504.8 | 508.5 | 512.3 | 514.7 | 515.8 | 516.8 | 517.9 | 518.9 |
| 137.5° | 531.2 | 534.4 | 537.8 | 539.7 | 540.5 | 541.1 | 541.8 | 542.5 |
| 140° | 549.3 | 552.2 | 555.2 | 556.9 | 557.5 | 558.0 | 558.6 | 559.1 |
| 142.5° | 566.4 | 568.8 | 571.3 | 572.7 | 573.2 | 573.6 | 574.0 | 574.3 |
| 145° | 593.3 | 594.5 | 595.7 | 596.6 | 596.9 | 597.3 | 597.6 | 598.0 |
| 147.5° | 617.4 | 617.9 | 618.3 | 618.5 | 618.4 | 618.3 | 618.2 | 618.2 |
| 150° | 633.7 | 634.1 | 634.5 | 634.5 | 634.1 | 633.7 | 633.2 | 632.8 |
| 152.5° | 650.2 | 650.8 | 651.3 | 651.3 | 650.8 | 650.2 | 649.6 | 649.1 |
| 155° | 671.2 | 671.9 | 672.6 | 672.8 | 672.3 | 671.9 | 671.5 | 671.1 |
| 157.5° | 690.6 | 691.5 | 692.5 | 692.6 | 691.9 | 691.3 | 690.6 | 689.9 |
| 160° | 702.1 | 703.0 | 703.8 | 703.9 | 703.4 | 702.8 | 702.2 | 701.6 |
| 162.5° | 712.5 | 713.5 | 714.4 | 714.5 | 713.9 | 713.2 | 712.5 | 711.8 |
| 165° | 725.9 | 726.9 | 727.9 | 728.1 | 727.3 | 726.6 | 725.9 | 725.2 |
| 167.5° | 737.0 | 738.0 | 739.0 | 739.2 | 738.4 | 737.7 | 736.9 | 736.2 |
| 170° | 743.1 | 744.1 | 745.1 | 745.2 | 744.4 | 743.5 | 742.7 | 741.8 |
| 172.5° | 747.7 | 748.7 | 749.7 | 749.7 | 748.9 | 748.0 | 747.2 | 746.4 |
| 175° | 752.7 | 753.7 | 754.6 | 754.7 | 753.9 | 753.0 | 752.2 | 751.4 |
| 177.5° | 755.0 | 755.7 | 756.4 | 756.4 | 755.7 | 755.0 | 754.3 | 753.7 |
| 180° | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 | 755.1 |

(END OF REPORT)