

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: P331342-940

Luminaire Tested: **SA2XXDIP-C675D530U940-4F0-1E-UDD-D**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331342-940
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-C675D530U940-4F0-1E-UDD-D
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 530 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

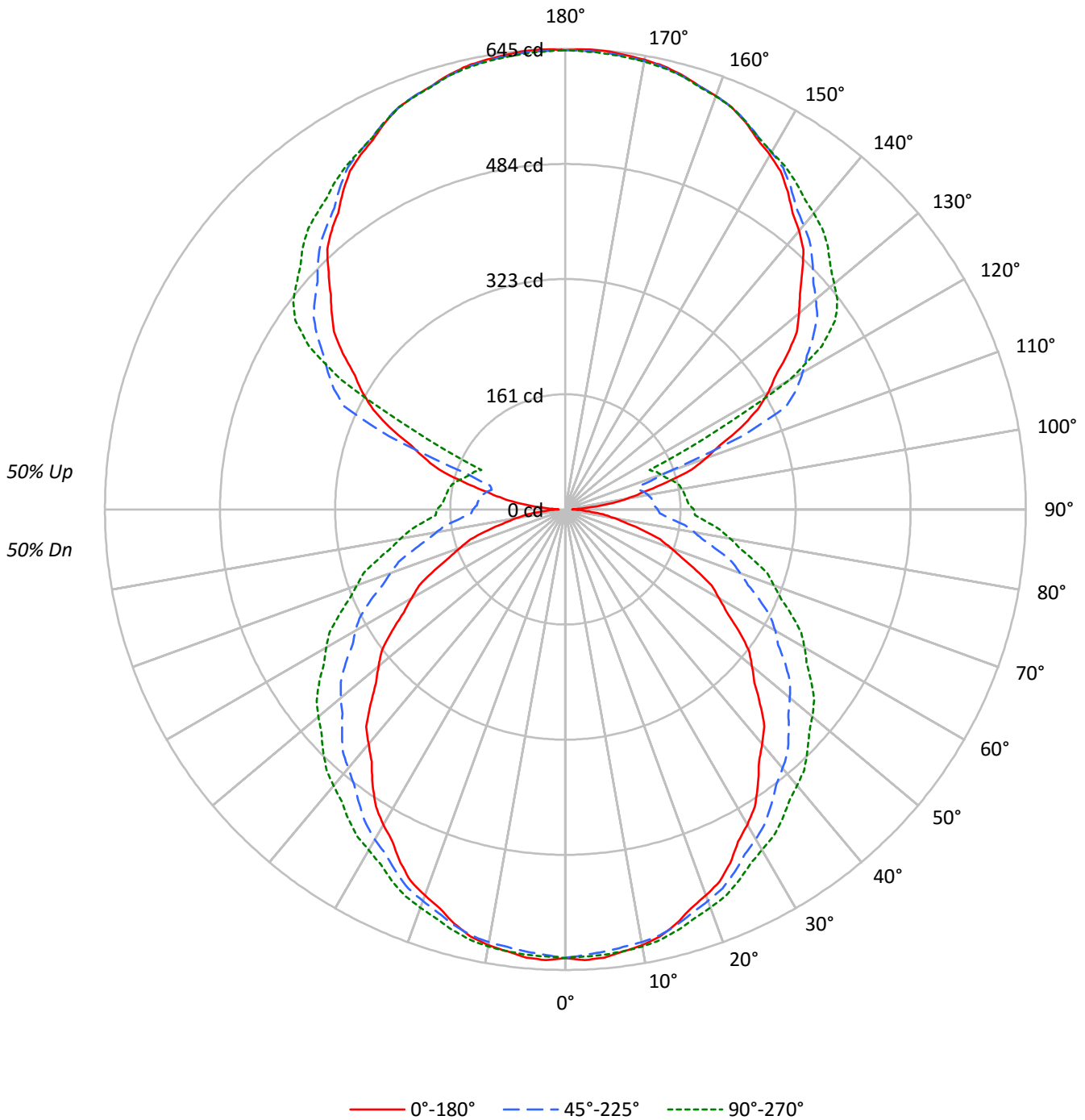
Lumens per Lamp: N/A
Luminaire Lumens: 4282.6 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: General Diffuse

Input Watts (W): 40.3
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: P331342-940
CATALOG NUMBER: SA2XXDIP-C675D530U940-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331342-940

CATALOG NUMBER: SA2XXDIP-C675D530U940-4F0-1E-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 | | | | |
| 1 | 96 | 91 | 87 | 83 | 88 | 84 | 80 | 77 | 71 | 68 | 65 | 58 | 56 | 54 | 47 | 46 | 44 | 39 | | | | |
| 2 | 87 | 79 | 72 | 66 | 80 | 73 | 67 | 62 | 61 | 57 | 53 | 50 | 47 | 44 | 41 | 38 | 36 | 31 | | | | |
| 3 | 79 | 69 | 61 | 55 | 72 | 63 | 57 | 51 | 53 | 48 | 44 | 44 | 40 | 37 | 35 | 33 | 30 | 26 | | | | |
| 4 | 72 | 61 | 52 | 46 | 66 | 56 | 48 | 43 | 47 | 41 | 37 | 39 | 35 | 31 | 31 | 28 | 25 | 22 | | | | |
| 5 | 66 | 54 | 45 | 39 | 60 | 50 | 42 | 36 | 42 | 36 | 31 | 35 | 30 | 27 | 28 | 25 | 22 | 19 | | | | |
| 6 | 61 | 48 | 40 | 34 | 56 | 44 | 37 | 31 | 38 | 32 | 27 | 31 | 27 | 23 | 25 | 22 | 19 | 16 | | | | |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 33 | 27 | 34 | 28 | 24 | 28 | 24 | 20 | 23 | 20 | 17 | 14 | | | | |
| 8 | 52 | 39 | 31 | 26 | 48 | 36 | 29 | 24 | 31 | 25 | 21 | 26 | 21 | 18 | 21 | 18 | 15 | 13 | | | | |
| 9 | 48 | 36 | 28 | 23 | 44 | 33 | 26 | 21 | 28 | 23 | 19 | 24 | 19 | 16 | 20 | 16 | 14 | 11 | | | | |
| 10 | 45 | 33 | 25 | 20 | 41 | 30 | 24 | 19 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 15 | 12 | 10 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10141 | 10141 | 10141 |
| 5° | 10191 | 9762 | 9724 |
| 10° | 10126 | 9474 | 9367 |
| 15° | 9987 | 9168 | 8990 |
| 20° | 9810 | 8841 | 8627 |
| 25° | 9637 | 8525 | 8298 |
| 30° | 9392 | 8201 | 7967 |
| 35° | 9142 | 7888 | 7735 |
| 40° | 8880 | 7621 | 7501 |
| 45° | 8632 | 7383 | 7302 |
| 50° | 8365 | 7166 | 7106 |
| 55° | 8089 | 6934 | 6906 |
| 60° | 7745 | 6695 | 6695 |
| 65° | 7391 | 6412 | 6445 |
| 70° | 6992 | 6110 | 6173 |
| 75° | 6483 | 5811 | 5925 |
| 80° | 5680 | 5509 | 5672 |
| 85° | 4908 | 5245 | 5473 |



TEST NUMBER: P331342-940

CATALOG NUMBER: SA2XXDIP-C675D530U940-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.5 | 1.4 |
| 10°-20° | 170.7 | 4.0 |
| 20°-30° | 258.6 | 6.0 |
| 30°-40° | 315.0 | 7.4 |
| 40°-50° | 338.9 | 7.9 |
| 50°-60° | 329.1 | 7.7 |
| 60°-70° | 287.4 | 6.7 |
| 70°-80° | 221.2 | 5.2 |
| 80°-90° | 150.1 | 3.5 |
| 90°-100° | 123.7 | 2.9 |
| 100°-110° | 153.4 | 3.6 |
| 110°-120° | 259.6 | 6.1 |
| 120°-130° | 374.7 | 8.7 |
| 130°-140° | 380.7 | 8.9 |
| 140°-150° | 345.1 | 8.1 |
| 150°-160° | 275.9 | 6.4 |
| 160°-170° | 177.8 | 4.2 |
| 170°-180° | 61.2 | 1.4 |
| 0°-30° | 488.8 | 11.4 |
| 0°-40° | 803.8 | 18.8 |
| 0°-60° | 1471.8 | 34.4 |
| 0°-90° | 2130.5 | 49.7 |
| 90°-120° | 536.7 | 12.5 |
| 90°-150° | 1637.3 | 38.2 |
| 90°-180° | 2152.0 | 50.3 |
| 0°-180° | 4282.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 628 | 628 | 628 | 628 | 628 | |
| 5° | 630 | 627 | 622 | 627 | 626 | 60 |
| 15° | 601 | 602 | 603 | 610 | 610 | 169 |
| 25° | 546 | 553 | 561 | 571 | 574 | 251 |
| 35° | 471 | 486 | 503 | 523 | 530 | 294 |
| 45° | 386 | 411 | 442 | 470 | 480 | 298 |
| 55° | 296 | 329 | 376 | 408 | 420 | 264 |
| 65° | 202 | 247 | 300 | 336 | 350 | 201 |
| 75° | 112 | 163 | 221 | 259 | 272 | 118 |
| 85° | 33 | 89 | 148 | 184 | 198 | 35 |
| 90° | 10 | 68 | 130 | 167 | 180 | 7 |
| 95° | 38 | 67 | 123 | 158 | 170 | 43 |
| 105° | 146 | 180 | 107 | 142 | 156 | 156 |
| 115° | 271 | 291 | 342 | 163 | 130 | 267 |
| 125° | 380 | 388 | 424 | 451 | 462 | 339 |
| 135° | 469 | 477 | 490 | 513 | 520 | 362 |
| 145° | 543 | 543 | 550 | 559 | 561 | 340 |
| 155° | 598 | 594 | 599 | 602 | 598 | 275 |
| 165° | 630 | 628 | 629 | 632 | 629 | 178 |
| 175° | 644 | 642 | 642 | 645 | 641 | 61 |
| 180° | 643 | 643 | 643 | 643 | 643 | |



TEST NUMBER: P331342-940

CATALOG NUMBER: SA2XXDIP-C675D530U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 |
| 2.5° | 631.8 | 631.2 | 630.8 | 630.3 | 629.8 | 629.0 | 627.9 | 626.7 | 625.6 | 624.5 | 625.3 |
| 5° | 629.9 | 629.3 | 628.7 | 628.1 | 627.5 | 626.6 | 625.4 | 624.2 | 622.9 | 621.7 | 622.9 |
| 7.5° | 624.3 | 623.8 | 623.5 | 623.0 | 622.7 | 622.0 | 621.1 | 620.1 | 619.2 | 618.3 | 619.7 |
| 10° | 619.9 | 619.5 | 619.1 | 618.7 | 618.3 | 617.8 | 617.2 | 616.6 | 616.0 | 615.4 | 617.0 |
| 12.5° | 612.6 | 612.7 | 612.8 | 612.9 | 613.0 | 612.8 | 612.3 | 611.9 | 611.4 | 611.0 | 612.6 |
| 15° | 600.8 | 601.2 | 601.6 | 602.0 | 602.4 | 602.6 | 602.6 | 602.6 | 602.6 | 602.6 | 604.4 |
| 17.5° | 585.5 | 586.4 | 587.2 | 588.1 | 588.9 | 589.7 | 590.3 | 590.9 | 591.6 | 592.3 | 594.1 |
| 20° | 575.3 | 576.3 | 577.3 | 578.4 | 579.3 | 580.2 | 581.0 | 581.9 | 582.7 | 583.5 | 585.8 |
| 22.5° | 564.4 | 565.5 | 566.8 | 567.9 | 569.1 | 570.2 | 571.4 | 572.5 | 573.6 | 574.8 | 577.0 |
| 25° | 546.2 | 547.6 | 549.0 | 550.5 | 551.9 | 553.5 | 555.3 | 557.1 | 558.9 | 560.7 | 563.2 |
| 27.5° | 524.3 | 526.6 | 529.0 | 531.3 | 533.6 | 535.8 | 538.0 | 540.1 | 542.2 | 544.4 | 547.4 |
| 30° | 509.8 | 512.4 | 515.1 | 517.6 | 520.3 | 522.9 | 525.6 | 528.2 | 530.8 | 533.4 | 536.6 |
| 32.5° | 493.7 | 496.7 | 499.6 | 502.6 | 505.6 | 508.6 | 511.8 | 514.8 | 517.9 | 521.0 | 524.8 |
| 35° | 470.6 | 474.0 | 477.5 | 480.9 | 484.4 | 488.0 | 491.9 | 495.7 | 499.5 | 503.4 | 507.8 |
| 37.5° | 445.5 | 449.5 | 453.4 | 457.4 | 461.4 | 465.8 | 470.8 | 475.8 | 480.7 | 485.7 | 490.7 |
| 40° | 428.7 | 433.2 | 437.7 | 442.1 | 446.6 | 451.5 | 457.0 | 462.4 | 467.9 | 473.3 | 478.6 |
| 42.5° | 412.8 | 417.1 | 421.6 | 426.1 | 430.5 | 435.9 | 442.2 | 448.4 | 454.7 | 461.0 | 466.7 |
| 45° | 385.9 | 391.5 | 396.9 | 402.3 | 407.8 | 414.1 | 421.2 | 428.3 | 435.3 | 442.4 | 448.7 |
| 47.5° | 359.5 | 365.5 | 371.5 | 377.4 | 383.3 | 390.5 | 398.8 | 407.1 | 415.4 | 423.7 | 430.3 |
| 50° | 341.3 | 347.7 | 353.9 | 360.2 | 366.4 | 374.2 | 383.3 | 392.4 | 401.4 | 410.5 | 417.4 |
| 52.5° | 323.9 | 330.5 | 337.1 | 343.7 | 350.3 | 358.4 | 367.9 | 377.6 | 387.1 | 396.7 | 403.8 |
| 55° | 295.9 | 303.1 | 310.4 | 317.7 | 324.9 | 333.9 | 344.4 | 354.9 | 365.4 | 375.9 | 383.3 |
| 57.5° | 268.1 | 276.4 | 284.6 | 292.8 | 301.0 | 310.5 | 321.2 | 331.9 | 342.7 | 353.4 | 361.2 |
| 60° | 248.5 | 257.2 | 265.9 | 274.6 | 283.3 | 293.5 | 305.0 | 316.5 | 328.0 | 339.6 | 347.2 |
| 62.5° | 231.0 | 240.0 | 249.1 | 258.1 | 267.2 | 277.4 | 288.9 | 300.4 | 312.0 | 323.5 | 331.7 |
| 65° | 202.1 | 212.0 | 221.9 | 231.8 | 241.7 | 252.6 | 264.6 | 276.5 | 288.5 | 300.4 | 308.7 |
| 67.5° | 175.5 | 185.8 | 196.3 | 206.6 | 217.0 | 228.2 | 240.4 | 252.6 | 264.8 | 277.1 | 285.4 |
| 70° | 156.6 | 167.1 | 177.6 | 188.2 | 198.7 | 210.2 | 222.7 | 235.2 | 247.8 | 260.4 | 269.0 |
| 72.5° | 139.1 | 149.9 | 160.8 | 171.7 | 182.4 | 194.2 | 207.0 | 219.6 | 232.4 | 245.0 | 253.6 |
| 75° | 112.0 | 123.3 | 134.6 | 146.0 | 157.3 | 169.4 | 182.4 | 195.3 | 208.2 | 221.2 | 229.9 |
| 77.5° | 85.8 | 97.6 | 109.5 | 121.3 | 133.1 | 145.7 | 158.8 | 172.0 | 185.1 | 198.2 | 207.0 |
| 80° | 68.3 | 80.6 | 92.9 | 105.3 | 117.6 | 130.4 | 143.6 | 156.7 | 169.8 | 183.0 | 191.5 |
| 82.5° | 53.7 | 65.9 | 78.0 | 90.2 | 102.5 | 115.1 | 128.5 | 141.8 | 155.1 | 168.4 | 176.9 |
| 85° | 32.8 | 45.3 | 57.9 | 70.4 | 82.9 | 95.7 | 108.6 | 121.5 | 134.6 | 147.5 | 156.0 |
| 87.5° | 17.9 | 30.2 | 42.5 | 54.8 | 67.1 | 79.8 | 92.9 | 106.0 | 119.1 | 132.2 | 140.5 |
| 90° | 9.5 | 22.5 | 35.3 | 48.2 | 61.1 | 74.4 | 88.2 | 101.9 | 115.7 | 129.5 | 138.0 |
| 92.5° | 17.7 | 28.6 | 39.4 | 50.2 | 61.1 | 72.9 | 85.8 | 98.6 | 111.6 | 124.4 | 132.6 |
| 95° | 37.5 | 43.6 | 49.8 | 55.8 | 61.9 | 71.4 | 84.3 | 97.1 | 109.9 | 122.9 | 131.1 |
| 97.5° | 66.4 | 65.3 | 64.1 | 63.0 | 61.8 | 67.9 | 81.1 | 94.5 | 107.8 | 121.2 | 129.0 |
| 100° | 88.7 | 82.0 | 75.3 | 68.7 | 62.0 | 65.2 | 78.3 | 91.4 | 104.5 | 117.5 | 125.9 |
| 102.5° | 112.6 | 116.5 | 120.3 | 124.1 | 128.0 | 128.0 | 124.3 | 120.6 | 116.9 | 113.2 | 121.6 |
| 105° | 146.1 | 155.0 | 164.0 | 172.9 | 181.9 | 177.5 | 159.8 | 142.1 | 124.4 | 106.6 | 114.9 |
| 107.5° | 185.2 | 192.4 | 199.6 | 206.8 | 214.0 | 205.7 | 181.9 | 158.1 | 134.4 | 110.6 | 116.2 |
| 110° | 209.8 | 216.0 | 222.2 | 228.5 | 234.7 | 227.7 | 207.8 | 187.8 | 167.8 | 147.8 | 144.0 |



TEST NUMBER: P331342-940

CATALOG NUMBER: SA2XXDIP-C675D530U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 233.6 | 239.0 | 244.2 | 249.6 | 254.9 | 258.6 | 260.6 | 262.7 | 264.7 | 266.8 | 235.5 |
| 115° | 271.3 | 275.2 | 279.2 | 283.2 | 287.1 | 295.0 | 306.7 | 318.3 | 330.0 | 341.7 | 300.0 |
| 117.5° | 303.9 | 307.4 | 310.8 | 314.1 | 317.6 | 324.4 | 334.6 | 344.8 | 355.0 | 365.2 | 359.6 |
| 120° | 328.5 | 330.8 | 333.2 | 335.6 | 338.0 | 344.1 | 354.0 | 364.0 | 373.9 | 383.9 | 390.8 |
| 122.5° | 349.4 | 351.2 | 353.2 | 355.2 | 357.1 | 362.9 | 372.6 | 382.2 | 391.8 | 401.4 | 407.7 |
| 125° | 380.1 | 381.5 | 382.8 | 384.1 | 385.6 | 390.4 | 398.9 | 407.3 | 415.7 | 424.2 | 430.3 |
| 127.5° | 408.9 | 410.2 | 411.5 | 412.8 | 414.0 | 418.0 | 424.7 | 431.4 | 438.1 | 444.8 | 450.8 |
| 130° | 427.1 | 428.6 | 430.1 | 431.5 | 432.9 | 436.4 | 441.8 | 447.2 | 452.5 | 457.9 | 464.0 |
| 132.5° | 445.8 | 447.0 | 448.2 | 449.4 | 450.6 | 453.4 | 457.8 | 462.3 | 466.6 | 471.1 | 476.7 |
| 135° | 469.0 | 470.7 | 472.3 | 474.0 | 475.6 | 478.0 | 480.9 | 483.9 | 486.9 | 489.8 | 495.1 |
| 137.5° | 493.6 | 494.6 | 495.8 | 496.9 | 498.0 | 499.5 | 501.5 | 503.5 | 505.3 | 507.3 | 512.0 |
| 140° | 509.5 | 510.1 | 510.8 | 511.4 | 512.0 | 513.1 | 514.7 | 516.2 | 517.7 | 519.3 | 523.4 |
| 142.5° | 523.0 | 523.5 | 524.1 | 524.6 | 525.1 | 526.1 | 527.4 | 528.9 | 530.2 | 531.6 | 535.0 |
| 145° | 543.1 | 543.0 | 542.9 | 542.8 | 542.7 | 543.5 | 545.3 | 547.0 | 548.8 | 550.5 | 552.4 |
| 147.5° | 561.4 | 561.0 | 560.6 | 560.3 | 559.8 | 560.5 | 562.2 | 564.0 | 565.7 | 567.5 | 568.2 |
| 150° | 573.3 | 572.6 | 571.9 | 571.1 | 570.4 | 570.9 | 572.6 | 574.2 | 575.9 | 577.5 | 578.1 |
| 152.5° | 583.4 | 582.6 | 581.8 | 580.9 | 580.1 | 580.5 | 582.1 | 583.7 | 585.2 | 586.8 | 587.5 |
| 155° | 598.0 | 597.1 | 596.1 | 595.2 | 594.2 | 594.4 | 595.7 | 596.9 | 598.2 | 599.4 | 600.0 |
| 157.5° | 609.4 | 608.7 | 607.9 | 607.1 | 606.3 | 606.4 | 607.2 | 608.1 | 608.9 | 609.8 | 610.5 |
| 160° | 616.2 | 615.5 | 614.9 | 614.3 | 613.7 | 613.7 | 614.3 | 614.9 | 615.5 | 616.2 | 616.8 |
| 162.5° | 622.1 | 621.4 | 620.8 | 620.2 | 619.6 | 619.6 | 620.1 | 620.6 | 621.2 | 621.7 | 622.4 |
| 165° | 630.1 | 629.5 | 628.8 | 628.2 | 627.6 | 627.5 | 627.8 | 628.0 | 628.4 | 628.7 | 629.5 |
| 167.5° | 636.1 | 635.4 | 634.8 | 634.2 | 633.6 | 633.4 | 633.6 | 634.0 | 634.3 | 634.5 | 635.3 |
| 170° | 639.4 | 638.8 | 638.2 | 637.6 | 636.9 | 636.7 | 636.9 | 637.1 | 637.3 | 637.6 | 638.3 |
| 172.5° | 641.7 | 641.1 | 640.4 | 639.8 | 639.2 | 638.9 | 639.2 | 639.4 | 639.5 | 639.8 | 640.5 |
| 175° | 644.5 | 643.8 | 643.1 | 642.4 | 641.6 | 641.4 | 641.6 | 641.8 | 641.9 | 642.2 | 642.9 |
| 177.5° | 645.0 | 644.4 | 643.8 | 643.3 | 642.7 | 642.4 | 642.5 | 642.6 | 642.7 | 642.7 | 643.4 |
| 180° | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 |



TEST NUMBER: P331342-940

CATALOG NUMBER: SA2XXDIP-C675D530U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 |
| 2.5° | 626.1 | 626.9 | 627.7 | 627.9 | 627.6 | 627.3 | 627.0 | 626.7 |
| 5° | 624.2 | 625.4 | 626.6 | 627.1 | 626.9 | 626.7 | 626.5 | 626.2 |
| 7.5° | 621.2 | 622.7 | 624.1 | 624.7 | 624.6 | 624.3 | 624.1 | 623.9 |
| 10° | 618.6 | 620.2 | 621.9 | 622.5 | 622.3 | 622.1 | 622.0 | 621.7 |
| 12.5° | 614.2 | 615.8 | 617.5 | 618.1 | 618.0 | 617.8 | 617.6 | 617.3 |
| 15° | 606.3 | 608.1 | 609.9 | 610.7 | 610.6 | 610.3 | 610.1 | 609.9 |
| 17.5° | 596.0 | 598.0 | 599.9 | 600.8 | 600.8 | 600.8 | 600.8 | 600.8 |
| 20° | 588.0 | 590.2 | 592.4 | 593.5 | 593.5 | 593.5 | 593.5 | 593.5 |
| 22.5° | 579.3 | 581.5 | 583.6 | 585.0 | 585.2 | 585.6 | 585.9 | 586.2 |
| 25° | 565.6 | 568.0 | 570.4 | 571.9 | 572.6 | 573.2 | 573.8 | 574.4 |
| 27.5° | 550.5 | 553.6 | 556.7 | 558.4 | 558.8 | 559.3 | 559.7 | 560.2 |
| 30° | 539.9 | 543.1 | 546.4 | 548.3 | 548.9 | 549.6 | 550.1 | 550.7 |
| 32.5° | 528.5 | 532.3 | 535.9 | 538.3 | 539.5 | 540.6 | 541.6 | 542.7 |
| 35° | 512.3 | 516.7 | 521.2 | 524.1 | 525.6 | 527.0 | 528.3 | 529.8 |
| 37.5° | 495.6 | 500.5 | 505.5 | 508.7 | 510.2 | 511.7 | 513.2 | 514.7 |
| 40° | 483.8 | 489.1 | 494.4 | 497.9 | 499.7 | 501.6 | 503.4 | 505.2 |
| 42.5° | 472.4 | 478.2 | 483.9 | 487.8 | 489.5 | 491.4 | 493.2 | 495.0 |
| 45° | 455.0 | 461.2 | 467.5 | 471.6 | 473.7 | 475.7 | 477.7 | 479.7 |
| 47.5° | 436.8 | 443.4 | 449.9 | 454.2 | 456.5 | 458.7 | 460.9 | 463.2 |
| 50° | 424.3 | 431.1 | 438.1 | 442.6 | 444.9 | 447.1 | 449.2 | 451.5 |
| 52.5° | 410.8 | 417.9 | 424.9 | 429.6 | 431.9 | 434.4 | 436.8 | 439.2 |
| 55° | 390.5 | 397.8 | 405.1 | 410.0 | 412.7 | 415.3 | 417.9 | 420.5 |
| 57.5° | 369.1 | 376.9 | 384.8 | 390.0 | 392.7 | 395.4 | 398.1 | 400.7 |
| 60° | 354.9 | 362.6 | 370.3 | 375.6 | 378.4 | 381.2 | 384.1 | 386.9 |
| 62.5° | 339.8 | 348.0 | 356.2 | 361.7 | 364.3 | 366.9 | 369.6 | 372.3 |
| 65° | 317.0 | 325.3 | 333.6 | 339.0 | 341.7 | 344.3 | 347.0 | 349.6 |
| 67.5° | 293.8 | 302.2 | 310.6 | 316.2 | 318.9 | 321.6 | 324.4 | 327.2 |
| 70° | 277.8 | 286.4 | 295.2 | 300.7 | 303.1 | 305.6 | 308.0 | 310.4 |
| 72.5° | 262.2 | 270.6 | 279.2 | 284.9 | 287.8 | 290.8 | 293.6 | 296.6 |
| 75° | 238.6 | 247.3 | 256.0 | 261.6 | 264.3 | 266.9 | 269.6 | 272.2 |
| 77.5° | 215.6 | 224.3 | 232.9 | 238.6 | 241.5 | 244.3 | 247.1 | 249.9 |
| 80° | 199.9 | 208.5 | 217.0 | 222.7 | 225.4 | 228.3 | 231.1 | 234.0 |
| 82.5° | 185.4 | 193.9 | 202.4 | 207.9 | 210.6 | 213.3 | 216.0 | 218.6 |
| 85° | 164.4 | 173.0 | 181.5 | 187.1 | 189.9 | 192.8 | 195.6 | 198.4 |
| 87.5° | 148.9 | 157.3 | 165.7 | 171.1 | 173.8 | 176.4 | 179.1 | 181.6 |
| 90° | 146.7 | 155.3 | 163.9 | 169.5 | 172.2 | 174.8 | 177.5 | 180.0 |
| 92.5° | 140.8 | 149.0 | 157.2 | 162.6 | 165.1 | 167.6 | 170.2 | 172.8 |
| 95° | 139.3 | 147.5 | 155.7 | 161.0 | 163.3 | 165.6 | 167.9 | 170.2 |
| 97.5° | 137.0 | 144.8 | 152.8 | 157.9 | 160.4 | 163.0 | 165.5 | 168.0 |
| 100° | 134.2 | 142.5 | 150.8 | 156.1 | 158.6 | 161.0 | 163.5 | 165.9 |
| 102.5° | 130.0 | 138.4 | 146.8 | 152.2 | 154.8 | 157.3 | 159.8 | 162.3 |
| 105° | 123.1 | 131.3 | 139.6 | 145.0 | 147.6 | 150.3 | 152.9 | 155.5 |
| 107.5° | 121.8 | 127.5 | 133.1 | 137.2 | 139.9 | 142.5 | 145.2 | 147.8 |
| 110° | 140.2 | 136.3 | 132.4 | 131.8 | 134.5 | 137.1 | 139.7 | 142.3 |



TEST NUMBER: P331342-940

CATALOG NUMBER: SA2XXDIP-C675D530U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 204.3 | 173.0 | 141.8 | 127.4 | 129.9 | 132.5 | 135.1 | 137.6 |
| 115° | 258.2 | 216.3 | 174.5 | 151.0 | 145.8 | 140.5 | 135.4 | 130.1 |
| 117.5° | 354.0 | 348.4 | 342.8 | 328.8 | 306.4 | 284.0 | 261.6 | 239.2 |
| 120° | 397.7 | 404.6 | 411.5 | 409.1 | 397.3 | 385.7 | 373.9 | 362.1 |
| 122.5° | 414.0 | 420.3 | 426.5 | 429.2 | 428.4 | 427.6 | 426.8 | 426.0 |
| 125° | 436.6 | 442.7 | 448.9 | 453.1 | 455.2 | 457.4 | 459.5 | 461.6 |
| 127.5° | 456.9 | 463.0 | 469.1 | 473.1 | 474.9 | 476.7 | 478.6 | 480.5 |
| 130° | 469.9 | 475.9 | 481.9 | 485.6 | 487.1 | 488.7 | 490.2 | 491.7 |
| 132.5° | 482.4 | 488.0 | 493.7 | 497.3 | 498.8 | 500.3 | 501.9 | 503.4 |
| 135° | 500.3 | 505.6 | 511.0 | 514.2 | 515.7 | 517.1 | 518.5 | 520.0 |
| 137.5° | 516.7 | 521.6 | 526.3 | 529.1 | 530.1 | 531.2 | 532.2 | 533.2 |
| 140° | 527.6 | 531.8 | 536.0 | 538.4 | 539.1 | 539.8 | 540.5 | 541.2 |
| 142.5° | 538.5 | 541.9 | 545.4 | 547.3 | 547.9 | 548.4 | 548.9 | 549.5 |
| 145° | 554.4 | 556.3 | 558.3 | 559.5 | 560.0 | 560.4 | 561.0 | 561.4 |
| 147.5° | 568.8 | 569.5 | 570.2 | 570.6 | 570.7 | 570.7 | 570.8 | 570.9 |
| 150° | 578.7 | 579.3 | 580.0 | 580.1 | 579.5 | 579.0 | 578.5 | 578.0 |
| 152.5° | 588.1 | 588.7 | 589.3 | 589.2 | 588.6 | 587.9 | 587.2 | 586.6 |
| 155° | 600.7 | 601.3 | 601.9 | 601.7 | 600.9 | 600.1 | 599.3 | 598.4 |
| 157.5° | 611.2 | 611.9 | 612.6 | 612.6 | 611.7 | 610.9 | 610.1 | 609.3 |
| 160° | 617.3 | 618.0 | 618.6 | 618.6 | 617.9 | 617.2 | 616.4 | 615.6 |
| 162.5° | 623.1 | 623.8 | 624.6 | 624.5 | 623.6 | 622.7 | 621.8 | 620.9 |
| 165° | 630.2 | 630.9 | 631.6 | 631.6 | 630.9 | 630.2 | 629.5 | 628.7 |
| 167.5° | 636.0 | 636.8 | 637.5 | 637.4 | 636.4 | 635.5 | 634.5 | 633.6 |
| 170° | 639.0 | 639.7 | 640.4 | 640.3 | 639.4 | 638.5 | 637.6 | 636.6 |
| 172.5° | 641.2 | 641.9 | 642.7 | 642.6 | 641.7 | 640.7 | 639.8 | 638.8 |
| 175° | 643.6 | 644.4 | 645.1 | 645.0 | 643.9 | 642.8 | 641.9 | 640.8 |
| 177.5° | 643.9 | 644.5 | 645.1 | 645.0 | 644.3 | 643.5 | 642.7 | 642.0 |
| 180° | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 | 643.1 |

(END OF REPORT)