

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: P331698-940

Luminaire Tested: **SA2XXRDIP-C675D925U940-4F0-1E-UDD-F4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331698-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C675D925U940-4F0-1E-UDD-F4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

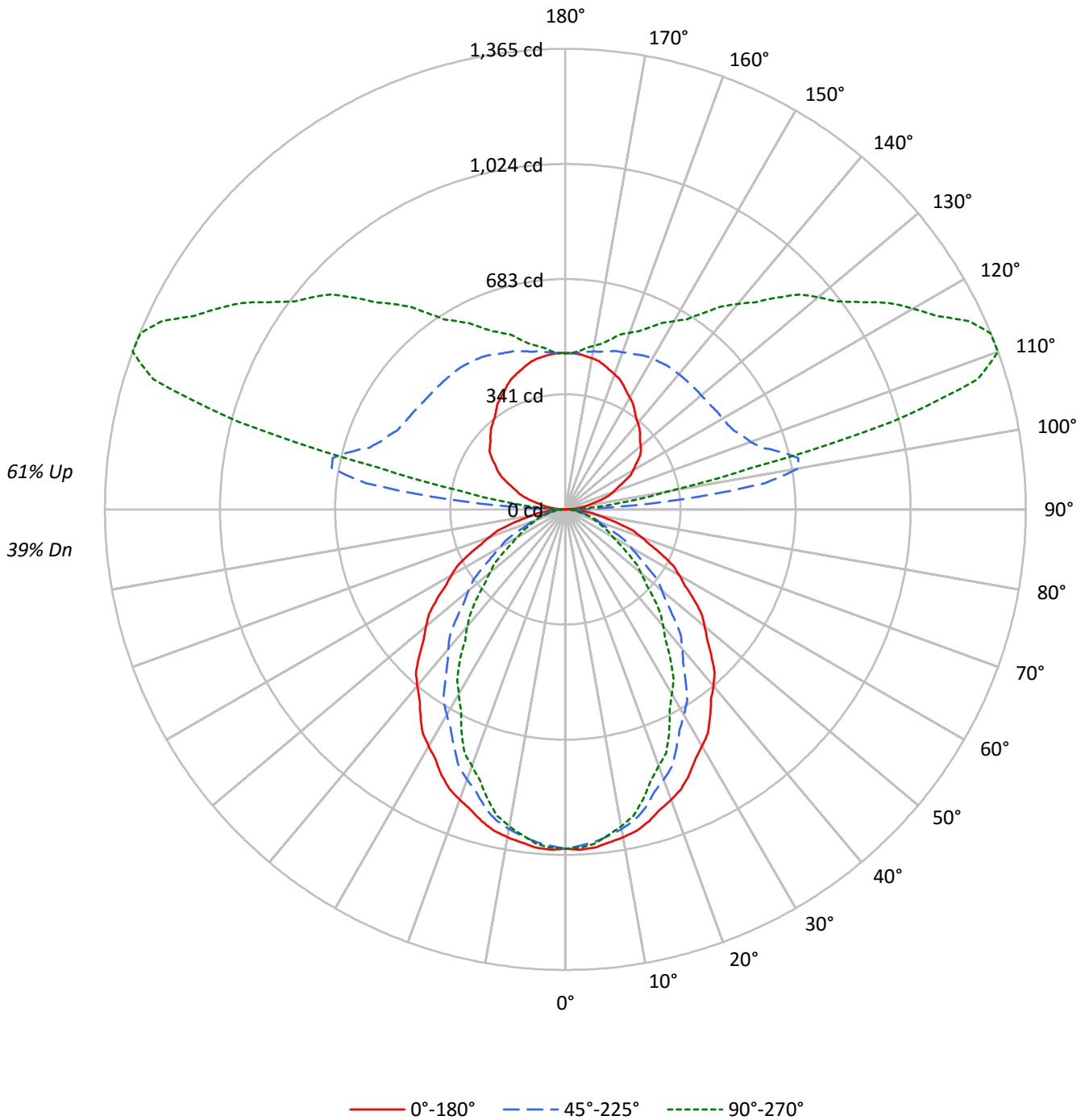
Lumens per Lamp: N/A
Luminaire Lumens: 5293.3 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 0.99 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 52
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: P331698-940
CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P331698-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-F4

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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 | | | | |
| 1 | 96 | 92 | 88 | 85 | 87 | 83 | 80 | 78 | 68 | 66 | 64 | 54 | 53 | 51 | 41 | 40 | 40 | 34 | | | | |
| 2 | 87 | 80 | 75 | 70 | 79 | 73 | 68 | 64 | 60 | 57 | 54 | 48 | 46 | 44 | 37 | 35 | 34 | 29 | | | | |
| 3 | 80 | 71 | 64 | 58 | 73 | 65 | 59 | 54 | 53 | 49 | 45 | 43 | 40 | 37 | 33 | 31 | 29 | 25 | | | | |
| 4 | 73 | 63 | 55 | 50 | 66 | 58 | 51 | 46 | 48 | 43 | 39 | 38 | 35 | 32 | 30 | 27 | 26 | 22 | | | | |
| 5 | 67 | 56 | 48 | 43 | 61 | 52 | 45 | 40 | 43 | 38 | 34 | 35 | 31 | 28 | 27 | 24 | 23 | 19 | | | | |
| 6 | 62 | 51 | 43 | 37 | 56 | 46 | 40 | 35 | 39 | 33 | 30 | 31 | 28 | 25 | 25 | 22 | 20 | 17 | | | | |
| 7 | 57 | 46 | 38 | 33 | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 22 | 20 | 18 | 15 | | | | |
| 8 | 53 | 41 | 34 | 29 | 49 | 38 | 32 | 27 | 32 | 27 | 23 | 26 | 22 | 20 | 21 | 18 | 16 | 14 | | | | |
| 9 | 50 | 38 | 31 | 26 | 45 | 35 | 29 | 24 | 29 | 24 | 21 | 24 | 20 | 18 | 19 | 17 | 15 | 12 | | | | |
| 10 | 46 | 35 | 28 | 23 | 42 | 32 | 26 | 22 | 27 | 22 | 19 | 22 | 19 | 16 | 18 | 15 | 13 | 11 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 16239 | 16239 | 16239 |
| 5° | 16302 | 16037 | 16126 |
| 10° | 16179 | 15775 | 15641 |
| 15° | 15992 | 15308 | 14867 |
| 20° | 15735 | 14639 | 13904 |
| 25° | 15471 | 13881 | 12975 |
| 30° | 15105 | 13103 | 11779 |
| 35° | 14747 | 12254 | 10730 |
| 40° | 14389 | 11377 | 9516 |
| 45° | 13967 | 10392 | 8416 |
| 50° | 13536 | 9399 | 7340 |
| 55° | 13095 | 8329 | 6303 |
| 60° | 12581 | 7201 | 5231 |
| 65° | 12000 | 6052 | 4768 |
| 70° | 11301 | 4985 | 4381 |
| 75° | 10449 | 4548 | 4086 |
| 80° | 9224 | 4063 | 3719 |
| 85° | 7243 | 3205 | 3205 |



TEST NUMBER: P331698-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 94.2 | 1.8 |
| 10°-20° | 258.5 | 4.9 |
| 20°-30° | 363.0 | 6.9 |
| 30°-40° | 395.9 | 7.5 |
| 40°-50° | 364.0 | 6.9 |
| 50°-60° | 285.9 | 5.4 |
| 60°-70° | 186.4 | 3.5 |
| 70°-80° | 96.1 | 1.8 |
| 80°-90° | 29.1 | 0.5 |
| 90°-100° | 185.0 | 3.5 |
| 100°-110° | 627.9 | 11.9 |
| 110°-120° | 667.1 | 12.6 |
| 120°-130° | 549.1 | 10.4 |
| 130°-140° | 441.0 | 8.3 |
| 140°-150° | 333.2 | 6.3 |
| 150°-160° | 234.2 | 4.4 |
| 160°-170° | 137.9 | 2.6 |
| 170°-180° | 44.9 | 0.8 |
| 0°-30° | 715.7 | 13.5 |
| 0°-40° | 1111.6 | 21.0 |
| 0°-60° | 1761.4 | 33.3 |
| 0°-90° | 2073.0 | 39.2 |
| 90°-120° | 1480.0 | 28.0 |
| 90°-150° | 2803.4 | 53.0 |
| 90°-180° | 3220.0 | 60.8 |
| 0°-180° | 5293.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1006 | 1006 | 1006 | 1006 | 1006 | |
| 5° | 1006 | 1001 | 990 | 997 | 995 | 95 |
| 15° | 957 | 946 | 916 | 899 | 889 | 269 |
| 25° | 868 | 838 | 779 | 743 | 728 | 399 |
| 35° | 748 | 700 | 622 | 566 | 544 | 468 |
| 45° | 612 | 549 | 455 | 393 | 369 | 472 |
| 55° | 465 | 393 | 296 | 243 | 224 | 416 |
| 65° | 314 | 240 | 158 | 129 | 125 | 311 |
| 75° | 168 | 106 | 73 | 67 | 66 | 177 |
| 85° | 39 | 21 | 17 | 17 | 17 | 46 |
| 90° | 1 | 12 | 30 | 29 | 29 | 3 |
| 95° | 31 | 77 | 349 | 132 | 102 | 33 |
| 105° | 109 | 164 | 659 | 1179 | 1003 | 115 |
| 115° | 191 | 242 | 552 | 1139 | 1320 | 190 |
| 125° | 267 | 316 | 530 | 922 | 1071 | 237 |
| 135° | 313 | 374 | 524 | 775 | 887 | 242 |
| 145° | 358 | 411 | 522 | 647 | 708 | 224 |
| 155° | 407 | 439 | 506 | 573 | 595 | 187 |
| 165° | 443 | 457 | 485 | 514 | 522 | 125 |
| 175° | 462 | 462 | 466 | 472 | 471 | 44 |
| 180° | 463 | 463 | 463 | 463 | 463 | |



TEST NUMBER: P331698-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 |
| 2.5° | 1009.5 | 1008.7 | 1007.9 | 1007.1 | 1006.3 | 1005.0 | 1003.2 | 1001.4 | 999.7 | 997.9 | 999.5 |
| 5° | 1005.8 | 1004.9 | 1003.9 | 1002.8 | 1001.8 | 1000.1 | 997.4 | 994.8 | 992.1 | 989.5 | 991.3 |
| 7.5° | 995.5 | 994.3 | 993.0 | 991.8 | 990.5 | 988.3 | 985.3 | 982.2 | 979.1 | 976.1 | 976.5 |
| 10° | 986.8 | 985.3 | 983.9 | 982.5 | 981.1 | 978.4 | 974.3 | 970.3 | 966.3 | 962.2 | 961.6 |
| 12.5° | 975.8 | 974.1 | 972.3 | 970.6 | 968.8 | 965.5 | 960.3 | 955.1 | 949.9 | 944.7 | 943.6 |
| 15° | 956.7 | 954.5 | 952.3 | 950.0 | 947.8 | 943.3 | 936.4 | 929.5 | 922.7 | 915.8 | 912.0 |
| 17.5° | 933.3 | 929.9 | 926.5 | 923.0 | 919.6 | 913.6 | 904.7 | 895.9 | 887.1 | 878.2 | 873.7 |
| 20° | 915.8 | 911.7 | 907.7 | 903.7 | 899.6 | 892.5 | 882.3 | 872.3 | 862.2 | 852.0 | 846.9 |
| 22.5° | 896.8 | 892.3 | 887.8 | 883.2 | 878.7 | 870.8 | 859.3 | 847.9 | 836.5 | 825.1 | 818.6 |
| 25° | 868.4 | 861.9 | 855.5 | 849.0 | 842.6 | 832.6 | 819.3 | 805.9 | 792.6 | 779.2 | 770.9 |
| 27.5° | 834.2 | 827.2 | 820.1 | 813.1 | 806.0 | 795.0 | 780.0 | 764.9 | 749.8 | 734.8 | 725.1 |
| 30° | 810.2 | 802.5 | 794.8 | 787.1 | 779.4 | 767.5 | 751.3 | 735.1 | 718.9 | 702.8 | 692.4 |
| 32.5° | 786.8 | 777.8 | 768.9 | 759.9 | 750.9 | 738.2 | 721.7 | 705.2 | 688.7 | 672.2 | 660.4 |
| 35° | 748.2 | 738.0 | 727.6 | 717.3 | 707.0 | 692.9 | 675.1 | 657.4 | 639.5 | 621.7 | 608.9 |
| 37.5° | 709.7 | 698.3 | 687.0 | 675.6 | 664.3 | 649.2 | 630.3 | 611.3 | 592.3 | 573.3 | 559.3 |
| 40° | 682.7 | 670.6 | 658.4 | 646.3 | 634.2 | 618.3 | 598.7 | 579.1 | 559.5 | 539.8 | 525.5 |
| 42.5° | 655.1 | 642.3 | 629.5 | 616.7 | 604.0 | 587.4 | 567.1 | 546.9 | 526.6 | 506.3 | 491.4 |
| 45° | 611.7 | 598.2 | 584.6 | 571.1 | 557.5 | 540.1 | 518.9 | 497.7 | 476.4 | 455.1 | 440.8 |
| 47.5° | 569.4 | 555.1 | 540.7 | 526.4 | 512.0 | 493.9 | 472.0 | 450.0 | 428.1 | 406.2 | 391.9 |
| 50° | 538.9 | 524.5 | 510.1 | 495.8 | 481.4 | 463.2 | 440.9 | 418.7 | 396.4 | 374.2 | 360.2 |
| 52.5° | 509.1 | 494.0 | 479.0 | 464.0 | 449.0 | 430.6 | 408.8 | 387.1 | 365.3 | 343.6 | 330.1 |
| 55° | 465.2 | 449.4 | 433.6 | 417.9 | 402.1 | 383.3 | 361.4 | 339.6 | 317.7 | 295.9 | 283.7 |
| 57.5° | 420.2 | 404.0 | 387.8 | 371.7 | 355.4 | 336.9 | 315.8 | 294.9 | 273.8 | 252.9 | 241.7 |
| 60° | 389.6 | 373.4 | 357.2 | 341.1 | 324.9 | 306.4 | 285.5 | 264.7 | 243.9 | 223.0 | 212.7 |
| 62.5° | 359.7 | 343.6 | 327.3 | 311.2 | 295.0 | 277.0 | 257.2 | 237.3 | 217.4 | 197.5 | 187.7 |
| 65° | 314.1 | 297.7 | 281.2 | 264.9 | 248.5 | 231.2 | 213.0 | 194.8 | 176.6 | 158.4 | 151.5 |
| 67.5° | 270.0 | 253.7 | 237.5 | 221.2 | 204.9 | 188.6 | 172.2 | 155.9 | 139.5 | 123.1 | 119.9 |
| 70° | 239.4 | 223.6 | 207.9 | 192.1 | 176.3 | 161.4 | 147.5 | 133.5 | 119.6 | 105.6 | 103.5 |
| 72.5° | 210.3 | 195.1 | 180.0 | 164.9 | 149.7 | 136.6 | 125.4 | 114.1 | 103.0 | 91.8 | 90.1 |
| 75° | 167.5 | 153.4 | 139.2 | 125.0 | 110.8 | 100.3 | 93.5 | 86.6 | 79.7 | 72.9 | 71.4 |
| 77.5° | 125.5 | 113.0 | 100.6 | 88.2 | 75.8 | 67.9 | 64.6 | 61.3 | 58.0 | 54.7 | 53.8 |
| 80° | 99.2 | 88.9 | 78.6 | 68.3 | 58.0 | 51.8 | 49.8 | 47.7 | 45.7 | 43.7 | 42.9 |
| 82.5° | 75.2 | 67.1 | 59.1 | 51.0 | 43.0 | 38.3 | 36.9 | 35.5 | 34.2 | 32.8 | 32.3 |
| 85° | 39.1 | 34.9 | 30.7 | 26.4 | 22.1 | 19.7 | 19.1 | 18.5 | 17.9 | 17.3 | 17.3 |
| 87.5° | 11.9 | 11.1 | 10.5 | 9.5 | 8.6 | 8.5 | 9.4 | 10.6 | 11.7 | 11.9 | 11.5 |
| 90° | 0.9 | 3.6 | 7.1 | 8.9 | 10.7 | 13.4 | 17.8 | 24.0 | 29.3 | 30.2 | 29.3 |
| 92.5° | 10.9 | 15.7 | 22.1 | 25.9 | 32.0 | 40.4 | 60.5 | 88.8 | 114.0 | 115.7 | 97.7 |
| 95° | 31.1 | 34.7 | 43.6 | 51.6 | 65.9 | 87.2 | 128.1 | 205.5 | 308.8 | 348.8 | 305.2 |
| 97.5° | 50.7 | 55.6 | 65.0 | 77.0 | 93.5 | 117.6 | 169.1 | 277.0 | 448.5 | 595.6 | 624.7 |
| 100° | 68.5 | 71.2 | 79.2 | 93.5 | 111.3 | 136.2 | 183.3 | 291.9 | 484.1 | 703.0 | 831.3 |
| 102.5° | 84.9 | 86.9 | 94.9 | 109.1 | 127.6 | 152.6 | 196.2 | 292.7 | 470.6 | 706.6 | 908.1 |
| 105° | 108.6 | 112.2 | 118.3 | 131.7 | 151.3 | 176.2 | 218.0 | 297.2 | 444.1 | 659.4 | 896.2 |
| 107.5° | 134.2 | 137.1 | 143.1 | 155.4 | 174.8 | 199.9 | 240.5 | 309.5 | 430.9 | 608.9 | 818.1 |
| 110° | 151.3 | 154.9 | 160.2 | 171.7 | 190.5 | 216.2 | 255.4 | 319.5 | 428.1 | 584.7 | 768.9 |



TEST NUMBER: P331698-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 166.9 | 170.5 | 176.6 | 187.4 | 205.4 | 231.9 | 269.7 | 330.2 | 428.7 | 569.0 | 734.8 |
| 115° | 191.4 | 195.8 | 201.2 | 211.8 | 229.6 | 253.6 | 291.9 | 346.2 | 432.5 | 551.8 | 692.4 |
| 117.5° | 216.6 | 220.2 | 225.5 | 235.0 | 252.0 | 277.0 | 312.4 | 363.3 | 438.9 | 543.4 | 665.7 |
| 120° | 232.3 | 235.9 | 241.2 | 249.1 | 267.0 | 291.9 | 326.6 | 374.7 | 443.2 | 538.4 | 651.5 |
| 122.5° | 247.3 | 250.0 | 255.4 | 264.1 | 282.0 | 307.6 | 340.1 | 384.6 | 448.2 | 535.6 | 639.4 |
| 125° | 267.0 | 269.7 | 275.0 | 285.7 | 303.4 | 328.4 | 360.4 | 400.5 | 455.7 | 530.4 | 622.1 |
| 127.5° | 282.7 | 286.2 | 293.6 | 305.4 | 322.5 | 348.1 | 379.3 | 415.3 | 463.3 | 527.4 | 606.1 |
| 130° | 291.9 | 295.4 | 304.3 | 316.8 | 334.7 | 359.5 | 390.7 | 424.5 | 469.0 | 525.9 | 595.4 |
| 132.5° | 300.4 | 304.7 | 314.3 | 327.5 | 346.0 | 371.0 | 400.6 | 433.7 | 474.7 | 525.2 | 586.8 |
| 135° | 313.3 | 316.8 | 327.5 | 340.8 | 361.3 | 386.2 | 414.7 | 445.9 | 481.4 | 524.1 | 574.9 |
| 137.5° | 325.4 | 329.7 | 340.3 | 354.5 | 374.9 | 398.0 | 426.1 | 455.1 | 487.5 | 524.0 | 566.5 |
| 140° | 334.7 | 338.2 | 348.8 | 363.1 | 382.7 | 405.8 | 432.5 | 460.1 | 490.4 | 523.3 | 561.6 |
| 142.5° | 343.8 | 346.7 | 356.7 | 371.0 | 389.8 | 411.5 | 437.5 | 464.4 | 492.5 | 523.3 | 556.6 |
| 145° | 357.8 | 361.3 | 370.2 | 383.6 | 401.4 | 421.0 | 445.0 | 469.9 | 494.8 | 521.5 | 550.0 |
| 147.5° | 372.7 | 375.4 | 383.9 | 396.2 | 411.0 | 428.5 | 451.0 | 473.0 | 495.5 | 518.4 | 543.2 |
| 150° | 382.7 | 385.3 | 392.4 | 404.0 | 417.4 | 433.4 | 453.9 | 474.3 | 494.8 | 516.2 | 537.5 |
| 152.5° | 392.6 | 393.9 | 401.0 | 411.2 | 423.8 | 438.4 | 456.7 | 475.0 | 493.4 | 512.6 | 532.5 |
| 155° | 406.7 | 407.6 | 413.0 | 422.8 | 432.5 | 445.9 | 461.0 | 476.1 | 491.2 | 506.4 | 523.3 |
| 157.5° | 418.5 | 419.4 | 423.7 | 432.1 | 440.0 | 451.2 | 464.0 | 476.1 | 487.1 | 500.0 | 514.6 |
| 160° | 426.3 | 427.2 | 430.7 | 437.8 | 445.0 | 454.8 | 465.5 | 476.1 | 485.0 | 495.7 | 508.2 |
| 162.5° | 434.1 | 433.5 | 437.1 | 442.8 | 449.2 | 456.9 | 466.2 | 475.4 | 482.9 | 492.1 | 502.5 |
| 165° | 443.2 | 442.3 | 444.1 | 449.4 | 453.9 | 459.2 | 467.3 | 473.5 | 478.8 | 485.0 | 493.0 |
| 167.5° | 450.7 | 449.6 | 451.2 | 454.6 | 457.8 | 461.2 | 467.1 | 472.3 | 474.7 | 478.8 | 483.8 |
| 170° | 455.7 | 453.9 | 454.8 | 457.4 | 459.2 | 461.9 | 466.4 | 470.8 | 472.6 | 475.2 | 478.8 |
| 172.5° | 458.5 | 457.4 | 456.9 | 459.6 | 460.7 | 462.6 | 465.7 | 468.7 | 469.8 | 471.0 | 473.9 |
| 175° | 461.9 | 461.0 | 460.1 | 461.9 | 461.9 | 462.8 | 464.6 | 466.4 | 465.5 | 466.4 | 467.3 |
| 177.5° | 463.5 | 462.1 | 461.4 | 462.8 | 462.8 | 462.8 | 463.5 | 464.9 | 463.5 | 462.8 | 463.5 |
| 180° | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 |



TEST NUMBER: P331698-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 | 1005.8 |
| 2.5° | 1001.1 | 1002.7 | 1004.3 | 1005.0 | 1004.7 | 1004.3 | 1004.1 | 1003.7 |
| 5° | 993.1 | 995.0 | 996.8 | 997.4 | 996.8 | 996.1 | 995.6 | 995.0 |
| 7.5° | 977.0 | 977.6 | 978.1 | 977.9 | 976.8 | 975.8 | 974.7 | 973.7 |
| 10° | 961.0 | 960.4 | 959.7 | 958.9 | 957.6 | 956.4 | 955.2 | 954.0 |
| 12.5° | 942.5 | 941.5 | 940.3 | 938.8 | 936.7 | 934.8 | 932.7 | 930.7 |
| 15° | 908.1 | 904.2 | 900.4 | 897.4 | 895.5 | 893.4 | 891.4 | 889.4 |
| 17.5° | 869.2 | 864.5 | 860.0 | 856.0 | 852.5 | 849.0 | 845.5 | 842.0 |
| 20° | 842.0 | 836.9 | 831.8 | 827.1 | 822.6 | 818.1 | 813.7 | 809.2 |
| 22.5° | 812.1 | 805.6 | 799.1 | 794.2 | 790.8 | 787.5 | 784.2 | 780.9 |
| 25° | 762.6 | 754.3 | 746.0 | 740.4 | 737.4 | 734.3 | 731.3 | 728.3 |
| 27.5° | 715.4 | 705.8 | 696.2 | 688.8 | 684.0 | 679.2 | 674.4 | 669.6 |
| 30° | 682.2 | 671.8 | 661.5 | 653.6 | 648.1 | 642.7 | 637.2 | 631.8 |
| 32.5° | 648.6 | 636.9 | 625.1 | 616.6 | 611.4 | 606.4 | 601.2 | 596.1 |
| 35° | 596.3 | 583.5 | 570.8 | 562.1 | 557.7 | 553.2 | 548.8 | 544.4 |
| 37.5° | 545.2 | 531.2 | 517.2 | 507.6 | 502.5 | 497.4 | 492.3 | 487.2 |
| 40° | 511.0 | 496.7 | 482.3 | 472.5 | 467.3 | 462.0 | 456.7 | 451.5 |
| 42.5° | 476.6 | 461.7 | 446.9 | 436.9 | 431.9 | 426.8 | 421.7 | 416.5 |
| 45° | 426.4 | 412.1 | 397.7 | 388.1 | 383.3 | 378.4 | 373.5 | 368.6 |
| 47.5° | 377.6 | 363.4 | 349.0 | 339.7 | 335.3 | 330.9 | 326.5 | 322.1 |
| 50° | 346.3 | 332.3 | 318.3 | 309.2 | 305.0 | 300.7 | 296.5 | 292.2 |
| 52.5° | 316.6 | 303.1 | 289.6 | 281.0 | 277.1 | 273.1 | 269.2 | 265.3 |
| 55° | 271.6 | 259.4 | 247.3 | 239.3 | 235.5 | 231.6 | 227.7 | 223.9 |
| 57.5° | 230.6 | 219.5 | 208.4 | 201.2 | 198.0 | 194.7 | 191.5 | 188.2 |
| 60° | 202.4 | 192.1 | 181.7 | 175.0 | 171.7 | 168.5 | 165.2 | 162.0 |
| 62.5° | 177.9 | 168.0 | 158.2 | 152.3 | 150.3 | 148.5 | 146.5 | 144.5 |
| 65° | 144.6 | 137.8 | 130.9 | 127.2 | 126.5 | 125.9 | 125.3 | 124.8 |
| 67.5° | 116.7 | 113.6 | 110.5 | 108.5 | 107.9 | 107.3 | 106.6 | 105.9 |
| 70° | 101.6 | 99.5 | 97.5 | 96.1 | 95.2 | 94.4 | 93.6 | 92.8 |
| 72.5° | 88.4 | 86.7 | 85.0 | 83.9 | 83.4 | 82.9 | 82.4 | 81.9 |
| 75° | 70.0 | 68.6 | 67.1 | 66.3 | 66.2 | 66.0 | 65.7 | 65.5 |
| 77.5° | 53.0 | 52.2 | 51.4 | 50.8 | 50.5 | 50.2 | 49.8 | 49.5 |
| 80° | 42.1 | 41.3 | 40.5 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 82.5° | 31.8 | 31.3 | 30.9 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| 85° | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 |
| 87.5° | 11.2 | 10.7 | 10.9 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| 90° | 28.4 | 26.7 | 28.4 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 92.5° | 77.6 | 66.6 | 59.1 | 53.6 | 52.9 | 50.0 | 50.7 | 49.3 |
| 95° | 233.2 | 178.9 | 141.5 | 121.9 | 110.4 | 103.3 | 100.6 | 101.5 |
| 97.5° | 544.1 | 445.1 | 348.8 | 284.6 | 242.1 | 220.2 | 207.1 | 199.7 |
| 100° | 812.5 | 702.1 | 580.2 | 472.6 | 398.7 | 360.4 | 334.7 | 318.6 |
| 102.5° | 988.4 | 963.5 | 874.3 | 760.2 | 679.9 | 614.6 | 582.4 | 560.7 |
| 105° | 1081.3 | 1181.9 | 1193.5 | 1164.0 | 1108.8 | 1053.7 | 1015.4 | 1003.0 |
| 107.5° | 1014.4 | 1165.8 | 1258.4 | 1301.5 | 1308.4 | 1305.4 | 1297.7 | 1281.2 |
| 110° | 956.7 | 1116.0 | 1229.9 | 1302.9 | 1341.1 | 1358.1 | 1366.1 | 1365.2 |



TEST NUMBER: P331698-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 904.0 | 1056.9 | 1178.7 | 1262.3 | 1315.5 | 1343.8 | 1359.0 | 1363.8 |
| 115° | 839.2 | 976.2 | 1092.9 | 1184.5 | 1247.7 | 1288.6 | 1311.8 | 1319.8 |
| 117.5° | 790.4 | 910.8 | 1016.5 | 1102.5 | 1166.9 | 1210.1 | 1234.6 | 1241.3 |
| 120° | 766.2 | 876.6 | 970.9 | 1052.0 | 1114.2 | 1156.0 | 1181.9 | 1190.8 |
| 122.5° | 747.0 | 848.1 | 937.5 | 1010.7 | 1066.5 | 1107.6 | 1130.6 | 1138.1 |
| 125° | 719.1 | 810.7 | 889.0 | 955.8 | 1007.5 | 1041.3 | 1063.5 | 1070.6 |
| 127.5° | 691.5 | 774.5 | 848.3 | 909.9 | 954.9 | 986.6 | 1005.8 | 1011.6 |
| 130° | 673.7 | 750.2 | 820.6 | 879.3 | 922.9 | 953.1 | 970.9 | 978.0 |
| 132.5° | 656.6 | 727.5 | 792.0 | 847.2 | 890.1 | 920.4 | 936.7 | 943.2 |
| 135° | 632.8 | 691.5 | 750.2 | 800.0 | 838.3 | 867.7 | 883.7 | 887.3 |
| 137.5° | 613.7 | 662.8 | 709.4 | 752.9 | 787.8 | 813.1 | 827.2 | 832.5 |
| 140° | 601.6 | 644.4 | 685.3 | 724.4 | 752.9 | 776.1 | 789.4 | 794.7 |
| 142.5° | 591.7 | 627.9 | 663.2 | 696.0 | 723.0 | 744.0 | 755.9 | 757.0 |
| 145° | 577.6 | 607.0 | 634.5 | 660.3 | 681.7 | 696.9 | 705.7 | 708.4 |
| 147.5° | 566.7 | 589.9 | 611.4 | 630.3 | 647.9 | 660.0 | 666.0 | 667.6 |
| 150° | 558.9 | 578.5 | 597.2 | 613.1 | 626.5 | 637.2 | 642.6 | 643.5 |
| 152.5° | 551.1 | 569.2 | 585.1 | 599.0 | 609.4 | 618.7 | 622.6 | 622.8 |
| 155° | 540.2 | 554.5 | 567.8 | 577.6 | 587.4 | 593.6 | 597.2 | 595.4 |
| 157.5° | 527.5 | 539.5 | 550.7 | 558.4 | 565.3 | 570.4 | 572.0 | 572.0 |
| 160° | 519.7 | 529.5 | 539.3 | 545.5 | 551.8 | 556.2 | 557.1 | 557.1 |
| 162.5° | 511.9 | 520.2 | 528.6 | 533.4 | 539.7 | 542.7 | 543.6 | 542.9 |
| 165° | 500.2 | 506.4 | 512.6 | 516.2 | 519.7 | 523.3 | 523.3 | 522.4 |
| 167.5° | 488.9 | 493.7 | 498.0 | 501.2 | 502.8 | 504.8 | 504.6 | 503.5 |
| 170° | 483.2 | 485.9 | 489.5 | 491.2 | 492.1 | 494.8 | 493.9 | 492.1 |
| 172.5° | 476.8 | 478.8 | 481.6 | 482.7 | 483.6 | 484.8 | 483.9 | 482.9 |
| 175° | 469.9 | 470.8 | 471.7 | 472.6 | 472.6 | 473.5 | 472.6 | 470.8 |
| 177.5° | 464.9 | 464.9 | 465.7 | 465.7 | 465.7 | 465.7 | 464.9 | 463.5 |
| 180° | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 | 462.8 |

(END OF REPORT)