

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: P331424-940

Luminaire Tested: **S122DIP-S1005D330U940-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331424-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S1005D330U940-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 330 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4642.8 lumens
Efficiency: N/A
Efficacy: 93.2 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-Direct

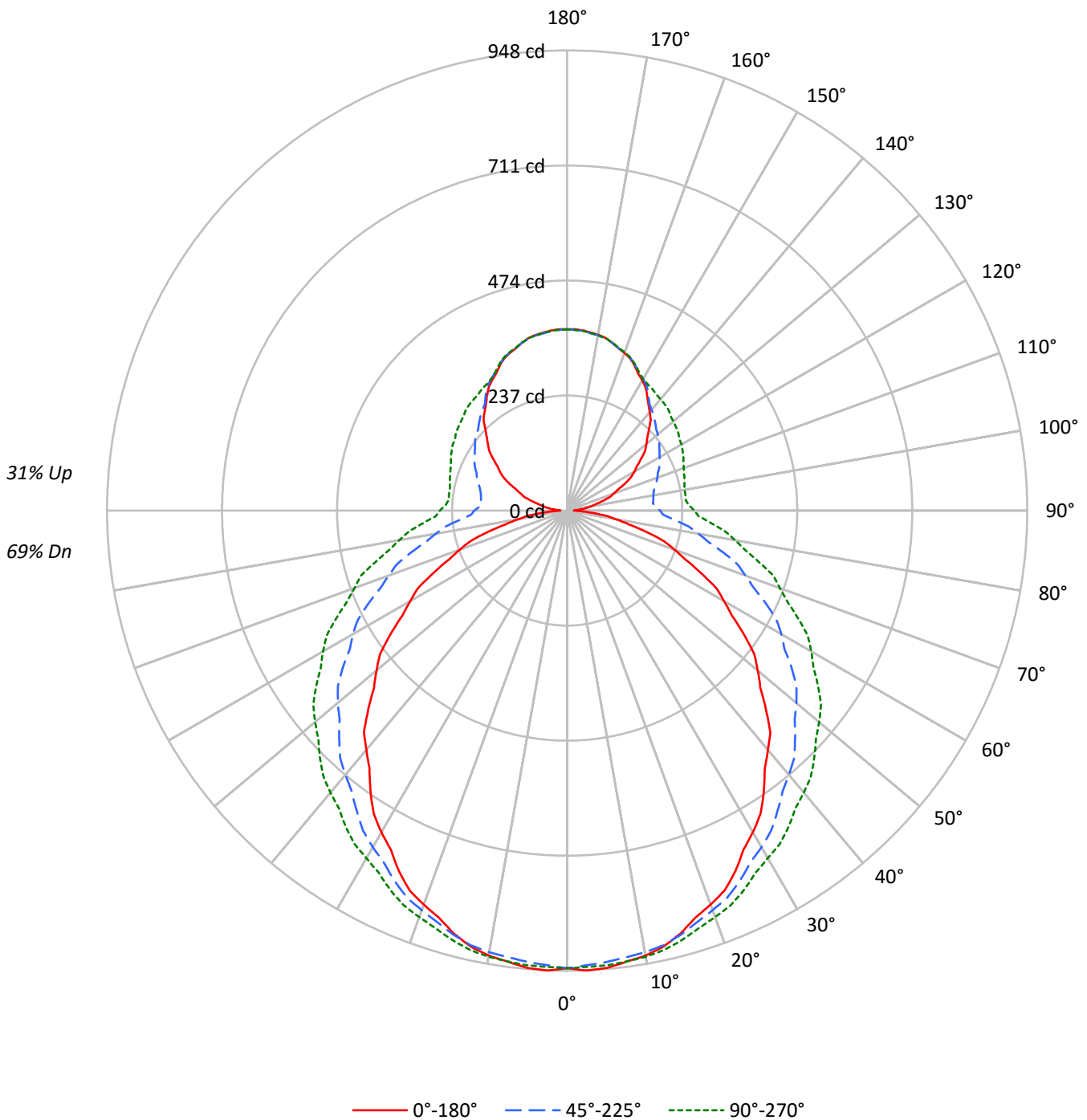
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331424-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331424-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-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 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 105 | 94 | 94 | 94 | 83 | 83 | 83 | 73 | 73 | 73 | 69 |
| 1 | 100 | 95 | 90 | 85 | 94 | 89 | 85 | 81 | 79 | 76 | 73 | 70 | 68 | 65 | 62 | 60 | 58 | 54 |
| 2 | 90 | 81 | 74 | 68 | 85 | 77 | 70 | 65 | 68 | 63 | 59 | 60 | 56 | 53 | 53 | 50 | 47 | 43 |
| 3 | 82 | 71 | 63 | 56 | 77 | 67 | 59 | 53 | 60 | 54 | 49 | 53 | 48 | 44 | 46 | 43 | 39 | 36 |
| 4 | 75 | 62 | 54 | 47 | 70 | 59 | 51 | 45 | 53 | 46 | 41 | 47 | 41 | 37 | 41 | 37 | 33 | 30 |
| 5 | 68 | 55 | 46 | 40 | 64 | 53 | 44 | 38 | 47 | 40 | 35 | 42 | 36 | 32 | 37 | 32 | 29 | 26 |
| 6 | 63 | 50 | 41 | 34 | 59 | 47 | 39 | 33 | 42 | 35 | 30 | 38 | 32 | 28 | 33 | 29 | 25 | 22 |
| 7 | 58 | 45 | 36 | 30 | 55 | 43 | 35 | 29 | 38 | 31 | 27 | 34 | 29 | 24 | 30 | 26 | 22 | 20 |
| 8 | 54 | 41 | 32 | 27 | 51 | 39 | 31 | 26 | 35 | 28 | 24 | 31 | 26 | 22 | 28 | 23 | 20 | 17 |
| 9 | 50 | 37 | 29 | 24 | 47 | 35 | 28 | 23 | 32 | 26 | 21 | 29 | 23 | 19 | 26 | 21 | 18 | 16 |
| 10 | 47 | 34 | 26 | 21 | 44 | 33 | 25 | 21 | 29 | 23 | 19 | 27 | 21 | 18 | 24 | 19 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 15224 | 15224 | 15224 |
| 5° | 15300 | 14656 | 14600 |
| 10° | 15203 | 14222 | 14063 |
| 15° | 14994 | 13763 | 13496 |
| 20° | 14728 | 13272 | 12952 |
| 25° | 14466 | 12799 | 12457 |
| 30° | 14098 | 12312 | 11962 |
| 35° | 13725 | 11842 | 11611 |
| 40° | 13332 | 11442 | 11262 |
| 45° | 12960 | 11082 | 10962 |
| 50° | 12561 | 10760 | 10668 |
| 55° | 12143 | 10411 | 10368 |
| 60° | 11628 | 10049 | 10051 |
| 65° | 11095 | 9625 | 9675 |
| 70° | 10498 | 9170 | 9268 |
| 75° | 9730 | 8725 | 8894 |
| 80° | 8523 | 8267 | 8514 |
| 85° | 7361 | 7873 | 8218 |



TEST NUMBER: P331424-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.3 | 1.9 |
| 10°-20° | 256.2 | 5.5 |
| 20°-30° | 388.3 | 8.4 |
| 30°-40° | 472.9 | 10.2 |
| 40°-50° | 508.8 | 11.0 |
| 50°-60° | 494.1 | 10.6 |
| 60°-70° | 431.4 | 9.3 |
| 70°-80° | 332.1 | 7.2 |
| 80°-90° | 224.4 | 4.8 |
| 90°-100° | 177.2 | 3.8 |
| 100°-110° | 185.6 | 4.0 |
| 110°-120° | 199.7 | 4.3 |
| 120°-130° | 206.5 | 4.4 |
| 130°-140° | 202.7 | 4.4 |
| 140°-150° | 184.8 | 4.0 |
| 150°-160° | 152.4 | 3.3 |
| 160°-170° | 101.1 | 2.2 |
| 170°-180° | 35.3 | 0.8 |
| 0°-30° | 733.8 | 15.8 |
| 0°-40° | 1206.7 | 26.0 |
| 0°-60° | 2209.5 | 47.6 |
| 0°-90° | 3197.4 | 68.9 |
| 90°-120° | 562.5 | 12.1 |
| 90°-150° | 1156.4 | 24.9 |
| 90°-180° | 1445.0 | 31.1 |
| 0°-180° | 4642.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 943 | 943 | 943 | 943 | 943 | |
| 5° | 946 | 941 | 933 | 941 | 940 | 90 |
| 15° | 902 | 904 | 905 | 916 | 916 | 254 |
| 25° | 820 | 830 | 842 | 858 | 862 | 377 |
| 35° | 706 | 730 | 756 | 785 | 795 | 441 |
| 45° | 579 | 617 | 664 | 705 | 720 | 447 |
| 55° | 444 | 495 | 564 | 612 | 631 | 397 |
| 65° | 303 | 371 | 451 | 505 | 525 | 301 |
| 75° | 168 | 245 | 332 | 389 | 409 | 178 |
| 85° | 49 | 134 | 221 | 277 | 298 | 53 |
| 90° | 14 | 98 | 192 | 243 | 262 | 10 |
| 95° | 27 | 96 | 177 | 227 | 245 | 27 |
| 105° | 74 | 117 | 187 | 233 | 250 | 79 |
| 115° | 132 | 151 | 209 | 248 | 264 | 130 |
| 125° | 186 | 191 | 232 | 266 | 280 | 167 |
| 135° | 239 | 243 | 256 | 284 | 295 | 185 |
| 145° | 288 | 290 | 292 | 300 | 306 | 180 |
| 155° | 329 | 330 | 331 | 333 | 332 | 151 |
| 165° | 358 | 358 | 358 | 360 | 359 | 101 |
| 175° | 373 | 372 | 371 | 373 | 371 | 35 |
| 180° | 373 | 373 | 373 | 373 | 373 | |



TEST NUMBER: P331424-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 |
| 2.5° | 948.4 | 947.7 | 946.9 | 946.2 | 945.5 | 944.2 | 942.5 | 940.8 | 939.1 | 937.5 | 938.7 |
| 5° | 945.7 | 944.8 | 943.9 | 942.9 | 942.0 | 940.7 | 938.9 | 937.0 | 935.2 | 933.4 | 935.2 |
| 7.5° | 937.2 | 936.6 | 935.9 | 935.4 | 934.8 | 933.8 | 932.4 | 930.9 | 929.6 | 928.2 | 930.3 |
| 10° | 930.7 | 930.1 | 929.4 | 928.8 | 928.2 | 927.5 | 926.6 | 925.6 | 924.7 | 923.8 | 926.2 |
| 12.5° | 919.7 | 919.8 | 920.0 | 920.1 | 920.2 | 919.9 | 919.3 | 918.6 | 917.9 | 917.2 | 919.7 |
| 15° | 902.0 | 902.6 | 903.1 | 903.7 | 904.4 | 904.6 | 904.6 | 904.6 | 904.6 | 904.6 | 907.4 |
| 17.5° | 879.0 | 880.3 | 881.5 | 882.8 | 884.0 | 885.2 | 886.2 | 887.2 | 888.1 | 889.1 | 892.0 |
| 20° | 863.7 | 865.2 | 866.7 | 868.3 | 869.8 | 871.1 | 872.4 | 873.5 | 874.8 | 876.0 | 879.3 |
| 22.5° | 847.3 | 849.0 | 850.8 | 852.6 | 854.3 | 856.0 | 857.7 | 859.4 | 861.1 | 862.8 | 866.2 |
| 25° | 819.9 | 822.1 | 824.2 | 826.3 | 828.5 | 830.9 | 833.6 | 836.3 | 839.1 | 841.8 | 845.4 |
| 27.5° | 787.1 | 790.6 | 794.1 | 797.5 | 801.0 | 804.3 | 807.5 | 810.7 | 814.0 | 817.3 | 821.8 |
| 30° | 765.3 | 769.2 | 773.2 | 777.1 | 781.0 | 785.1 | 789.0 | 792.9 | 796.8 | 800.8 | 805.7 |
| 32.5° | 741.2 | 745.6 | 750.1 | 754.6 | 758.9 | 763.5 | 768.2 | 772.8 | 777.6 | 782.2 | 787.8 |
| 35° | 706.5 | 711.7 | 716.8 | 722.0 | 727.2 | 732.6 | 738.4 | 744.1 | 749.9 | 755.7 | 762.4 |
| 37.5° | 668.8 | 674.8 | 680.7 | 686.6 | 692.6 | 699.3 | 706.8 | 714.3 | 721.8 | 729.2 | 736.6 |
| 40° | 643.6 | 650.3 | 657.0 | 663.7 | 670.4 | 677.8 | 686.0 | 694.2 | 702.4 | 710.6 | 718.5 |
| 42.5° | 619.6 | 626.2 | 632.9 | 639.6 | 646.3 | 654.3 | 663.8 | 673.2 | 682.6 | 692.1 | 700.6 |
| 45° | 579.4 | 587.6 | 595.8 | 604.0 | 612.2 | 621.6 | 632.3 | 642.9 | 653.5 | 664.1 | 673.6 |
| 47.5° | 539.8 | 548.8 | 557.7 | 566.6 | 575.5 | 586.2 | 598.7 | 611.1 | 623.6 | 636.0 | 645.9 |
| 50° | 512.5 | 521.9 | 531.3 | 540.7 | 550.1 | 561.7 | 575.3 | 589.0 | 602.6 | 616.4 | 626.7 |
| 52.5° | 486.2 | 496.1 | 506.0 | 515.9 | 525.8 | 538.0 | 552.3 | 566.8 | 581.1 | 595.6 | 606.1 |
| 55° | 444.2 | 455.0 | 466.0 | 477.0 | 487.9 | 501.2 | 517.0 | 532.8 | 548.6 | 564.4 | 575.3 |
| 57.5° | 402.6 | 414.9 | 427.2 | 439.6 | 451.9 | 466.1 | 482.2 | 498.3 | 514.4 | 530.5 | 542.2 |
| 60° | 373.1 | 386.1 | 399.2 | 412.2 | 425.3 | 440.5 | 457.8 | 475.1 | 492.4 | 509.7 | 521.3 |
| 62.5° | 346.9 | 360.3 | 373.9 | 387.4 | 401.0 | 416.4 | 433.7 | 451.0 | 468.4 | 485.7 | 497.9 |
| 65° | 303.4 | 318.3 | 333.1 | 348.0 | 362.9 | 379.3 | 397.3 | 415.1 | 433.0 | 450.9 | 463.4 |
| 67.5° | 263.5 | 279.0 | 294.5 | 310.1 | 325.7 | 342.6 | 361.0 | 379.3 | 397.6 | 416.0 | 428.6 |
| 70° | 235.1 | 250.8 | 266.6 | 282.4 | 298.2 | 315.5 | 334.4 | 353.2 | 372.0 | 390.8 | 403.9 |
| 72.5° | 208.8 | 225.1 | 241.4 | 257.6 | 273.9 | 291.6 | 310.7 | 329.8 | 348.8 | 367.9 | 380.7 |
| 75° | 168.1 | 185.1 | 202.1 | 219.1 | 236.1 | 254.3 | 273.8 | 293.2 | 312.6 | 332.1 | 345.1 |
| 77.5° | 128.8 | 146.5 | 164.3 | 182.1 | 199.9 | 218.6 | 238.4 | 258.2 | 277.9 | 297.7 | 310.7 |
| 80° | 102.5 | 121.0 | 139.6 | 158.1 | 176.6 | 195.7 | 215.4 | 235.2 | 254.9 | 274.6 | 287.4 |
| 82.5° | 80.6 | 98.9 | 117.2 | 135.5 | 153.7 | 172.9 | 192.9 | 212.9 | 232.8 | 252.8 | 265.6 |
| 85° | 49.2 | 68.0 | 86.9 | 105.7 | 124.5 | 143.7 | 163.1 | 182.5 | 202.0 | 221.4 | 234.2 |
| 87.5° | 26.8 | 45.1 | 63.4 | 81.7 | 100.0 | 119.0 | 138.7 | 158.4 | 178.2 | 197.9 | 210.3 |
| 90° | 14.0 | 32.5 | 50.9 | 69.4 | 87.8 | 107.5 | 128.5 | 149.5 | 170.4 | 191.5 | 203.4 |
| 92.5° | 18.2 | 35.2 | 52.3 | 69.2 | 86.2 | 104.2 | 123.3 | 142.4 | 161.5 | 180.6 | 192.5 |
| 95° | 27.3 | 42.3 | 57.2 | 72.2 | 87.2 | 103.9 | 122.3 | 140.6 | 159.0 | 177.4 | 188.9 |
| 97.5° | 39.5 | 52.8 | 66.1 | 79.5 | 92.7 | 108.3 | 126.0 | 143.7 | 161.6 | 179.3 | 190.6 |
| 100° | 49.6 | 61.3 | 73.2 | 85.0 | 96.8 | 111.3 | 128.5 | 145.7 | 162.9 | 180.1 | 191.4 |
| 102.5° | 59.0 | 69.8 | 80.5 | 91.2 | 101.9 | 115.7 | 132.4 | 149.3 | 166.0 | 182.8 | 193.9 |
| 105° | 74.5 | 83.6 | 92.6 | 101.7 | 110.7 | 123.1 | 139.0 | 155.0 | 170.9 | 186.8 | 197.6 |
| 107.5° | 91.6 | 98.9 | 106.3 | 113.6 | 121.0 | 132.2 | 147.3 | 162.5 | 177.5 | 192.7 | 203.0 |
| 110° | 101.6 | 108.1 | 114.6 | 121.0 | 127.5 | 138.2 | 153.1 | 168.0 | 182.9 | 197.8 | 207.4 |



TEST NUMBER: P331424-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 113.7 | 119.1 | 124.7 | 130.2 | 135.7 | 145.5 | 159.6 | 173.7 | 187.8 | 202.0 | 211.5 |
| 115° | 131.5 | 135.3 | 139.0 | 142.8 | 146.5 | 155.2 | 168.7 | 182.2 | 195.7 | 209.3 | 218.3 |
| 117.5° | 147.8 | 150.6 | 153.4 | 156.1 | 158.9 | 166.4 | 178.6 | 190.8 | 203.1 | 215.3 | 224.2 |
| 120° | 159.7 | 161.5 | 163.3 | 165.1 | 166.8 | 173.5 | 185.1 | 196.7 | 208.3 | 219.9 | 228.4 |
| 122.5° | 170.6 | 171.7 | 172.9 | 174.1 | 175.2 | 181.3 | 192.3 | 203.3 | 214.4 | 225.4 | 233.4 |
| 125° | 186.1 | 186.7 | 187.3 | 188.0 | 188.6 | 193.7 | 203.2 | 212.7 | 222.2 | 231.7 | 239.7 |
| 127.5° | 202.5 | 203.0 | 203.5 | 204.0 | 204.5 | 208.6 | 216.2 | 223.7 | 231.3 | 238.9 | 246.2 |
| 130° | 212.9 | 213.5 | 214.1 | 214.7 | 215.3 | 218.7 | 225.0 | 231.2 | 237.5 | 243.7 | 250.8 |
| 132.5° | 224.4 | 224.9 | 225.3 | 225.8 | 226.2 | 228.9 | 233.9 | 238.8 | 243.8 | 248.7 | 255.5 |
| 135° | 238.6 | 239.3 | 240.1 | 240.9 | 241.7 | 243.6 | 246.8 | 250.0 | 253.2 | 256.4 | 262.7 |
| 137.5° | 254.9 | 255.5 | 256.0 | 256.6 | 257.2 | 258.2 | 259.8 | 261.3 | 262.8 | 264.3 | 269.8 |
| 140° | 264.7 | 265.1 | 265.4 | 265.7 | 266.1 | 266.7 | 267.6 | 268.6 | 269.6 | 270.5 | 275.4 |
| 142.5° | 274.8 | 275.2 | 275.4 | 275.8 | 276.2 | 276.4 | 276.8 | 277.2 | 277.6 | 277.9 | 281.9 |
| 145° | 287.9 | 288.5 | 288.9 | 289.4 | 289.9 | 290.3 | 290.8 | 291.2 | 291.6 | 292.0 | 293.9 |
| 147.5° | 300.9 | 301.5 | 302.0 | 302.6 | 303.2 | 303.6 | 303.9 | 304.3 | 304.5 | 304.8 | 305.1 |
| 150° | 309.7 | 310.1 | 310.5 | 310.9 | 311.4 | 311.7 | 312.0 | 312.3 | 312.5 | 312.8 | 313.1 |
| 152.5° | 317.5 | 317.9 | 318.3 | 318.8 | 319.1 | 319.6 | 319.9 | 320.2 | 320.6 | 320.9 | 321.2 |
| 155° | 329.2 | 329.4 | 329.7 | 329.8 | 330.0 | 330.3 | 330.5 | 330.6 | 330.9 | 331.1 | 331.4 |
| 157.5° | 339.2 | 339.4 | 339.5 | 339.7 | 339.8 | 339.9 | 340.1 | 340.2 | 340.3 | 340.5 | 340.9 |
| 160° | 345.3 | 345.4 | 345.5 | 345.7 | 345.8 | 346.0 | 346.0 | 346.1 | 346.2 | 346.3 | 346.6 |
| 162.5° | 350.8 | 350.9 | 350.9 | 350.9 | 351.0 | 351.0 | 351.1 | 351.2 | 351.2 | 351.2 | 351.8 |
| 165° | 358.2 | 358.1 | 358.0 | 358.0 | 357.9 | 357.8 | 357.8 | 357.8 | 357.8 | 357.8 | 358.4 |
| 167.5° | 364.4 | 364.2 | 364.0 | 363.7 | 363.6 | 363.5 | 363.4 | 363.4 | 363.4 | 363.4 | 363.8 |
| 170° | 367.7 | 367.5 | 367.2 | 367.0 | 366.8 | 366.7 | 366.6 | 366.5 | 366.5 | 366.4 | 366.8 |
| 172.5° | 369.9 | 369.7 | 369.5 | 369.3 | 369.1 | 368.9 | 368.9 | 368.8 | 368.7 | 368.6 | 369.2 |
| 175° | 372.7 | 372.5 | 372.3 | 372.0 | 371.8 | 371.7 | 371.6 | 371.4 | 371.2 | 371.1 | 371.6 |
| 177.5° | 373.8 | 373.6 | 373.4 | 373.4 | 373.2 | 373.0 | 372.9 | 372.8 | 372.6 | 372.6 | 372.9 |
| 180° | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 |



TEST NUMBER: P331424-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 | 942.9 |
| 2.5° | 939.9 | 941.1 | 942.4 | 942.7 | 942.2 | 941.7 | 941.2 | 940.8 |
| 5° | 937.0 | 938.9 | 940.7 | 941.4 | 941.1 | 940.8 | 940.5 | 940.2 |
| 7.5° | 932.6 | 934.8 | 936.9 | 937.9 | 937.5 | 937.3 | 936.9 | 936.7 |
| 10° | 928.6 | 931.1 | 933.5 | 934.6 | 934.2 | 934.0 | 933.7 | 933.4 |
| 12.5° | 922.1 | 924.5 | 926.9 | 928.0 | 927.7 | 927.4 | 927.1 | 926.8 |
| 15° | 910.2 | 912.8 | 915.6 | 916.9 | 916.5 | 916.2 | 915.9 | 915.6 |
| 17.5° | 894.8 | 897.7 | 900.5 | 902.0 | 902.0 | 902.0 | 902.0 | 902.0 |
| 20° | 882.6 | 886.0 | 889.3 | 891.0 | 891.0 | 891.0 | 891.0 | 891.0 |
| 22.5° | 869.5 | 872.9 | 876.2 | 878.2 | 878.6 | 879.1 | 879.6 | 880.1 |
| 25° | 849.1 | 852.7 | 856.4 | 858.6 | 859.6 | 860.5 | 861.4 | 862.3 |
| 27.5° | 826.4 | 831.1 | 835.7 | 838.3 | 839.0 | 839.6 | 840.3 | 841.0 |
| 30° | 810.6 | 815.4 | 820.3 | 823.1 | 824.0 | 824.9 | 825.9 | 826.8 |
| 32.5° | 793.4 | 799.0 | 804.6 | 808.2 | 809.9 | 811.5 | 813.2 | 814.8 |
| 35° | 769.1 | 775.8 | 782.5 | 786.8 | 789.0 | 791.1 | 793.3 | 795.3 |
| 37.5° | 744.0 | 751.4 | 758.8 | 763.7 | 765.9 | 768.2 | 770.4 | 772.7 |
| 40° | 726.4 | 734.3 | 742.2 | 747.5 | 750.3 | 753.0 | 755.7 | 758.5 |
| 42.5° | 709.3 | 717.9 | 726.6 | 732.2 | 734.9 | 737.7 | 740.4 | 743.2 |
| 45° | 683.0 | 692.4 | 701.8 | 708.0 | 711.1 | 714.1 | 717.1 | 720.1 |
| 47.5° | 655.7 | 665.5 | 675.4 | 682.0 | 685.3 | 688.7 | 692.0 | 695.4 |
| 50° | 636.9 | 647.3 | 657.6 | 664.5 | 667.8 | 671.1 | 674.5 | 677.8 |
| 52.5° | 616.7 | 627.2 | 637.8 | 644.9 | 648.5 | 652.1 | 655.7 | 659.2 |
| 55° | 586.3 | 597.2 | 608.1 | 615.5 | 619.5 | 623.5 | 627.4 | 631.3 |
| 57.5° | 554.1 | 565.9 | 577.7 | 585.5 | 589.5 | 593.5 | 597.5 | 601.5 |
| 60° | 532.8 | 544.4 | 555.9 | 563.8 | 568.0 | 572.3 | 576.6 | 580.8 |
| 62.5° | 510.2 | 522.5 | 534.8 | 542.9 | 546.9 | 550.9 | 554.9 | 558.9 |
| 65° | 475.9 | 488.3 | 500.8 | 509.0 | 512.9 | 516.8 | 520.8 | 524.8 |
| 67.5° | 441.1 | 453.7 | 466.3 | 474.7 | 478.8 | 482.9 | 487.1 | 491.2 |
| 70° | 417.0 | 430.0 | 443.1 | 451.4 | 455.0 | 458.7 | 462.4 | 466.0 |
| 72.5° | 393.5 | 406.4 | 419.1 | 427.8 | 432.1 | 436.5 | 440.9 | 445.2 |
| 75° | 358.2 | 371.2 | 384.3 | 392.8 | 396.7 | 400.7 | 404.7 | 408.6 |
| 77.5° | 323.6 | 336.6 | 349.6 | 358.3 | 362.5 | 366.8 | 371.0 | 375.2 |
| 80° | 300.1 | 313.0 | 325.7 | 334.2 | 338.5 | 342.7 | 347.0 | 351.2 |
| 82.5° | 278.3 | 291.1 | 303.8 | 312.2 | 316.2 | 320.2 | 324.2 | 328.2 |
| 85° | 246.9 | 259.7 | 272.4 | 280.9 | 285.2 | 289.4 | 293.6 | 297.9 |
| 87.5° | 222.7 | 235.0 | 247.4 | 255.5 | 259.4 | 263.3 | 267.2 | 271.1 |
| 90° | 215.4 | 227.5 | 239.4 | 247.3 | 251.0 | 254.8 | 258.4 | 262.2 |
| 92.5° | 204.5 | 216.3 | 228.3 | 236.1 | 239.8 | 243.4 | 247.1 | 250.7 |
| 95° | 200.4 | 212.0 | 223.5 | 231.0 | 234.5 | 238.0 | 241.5 | 245.0 |
| 97.5° | 201.8 | 213.0 | 224.3 | 231.7 | 235.2 | 238.8 | 242.4 | 245.9 |
| 100° | 202.6 | 213.8 | 225.1 | 232.3 | 235.6 | 238.9 | 242.1 | 245.4 |
| 102.5° | 204.9 | 216.0 | 227.0 | 234.2 | 237.5 | 240.7 | 244.0 | 247.3 |
| 105° | 208.4 | 219.2 | 229.9 | 236.9 | 240.3 | 243.6 | 247.0 | 250.3 |
| 107.5° | 213.2 | 223.5 | 233.7 | 240.4 | 243.4 | 246.4 | 249.4 | 252.4 |
| 110° | 217.1 | 226.9 | 236.6 | 243.0 | 246.2 | 249.3 | 252.4 | 255.6 |



TEST NUMBER: P331424-940

CATALOG NUMBER: S122DIP-S1005D330U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 221.1 | 230.6 | 240.1 | 246.5 | 249.7 | 252.9 | 256.1 | 259.2 |
| 115° | 227.4 | 236.4 | 245.4 | 251.6 | 254.7 | 257.8 | 260.9 | 264.0 |
| 117.5° | 233.0 | 241.8 | 250.6 | 256.5 | 259.4 | 262.3 | 265.1 | 268.0 |
| 120° | 236.8 | 245.4 | 253.9 | 259.7 | 262.8 | 265.9 | 269.1 | 272.2 |
| 122.5° | 241.6 | 249.7 | 257.8 | 263.1 | 265.8 | 268.6 | 271.3 | 273.9 |
| 125° | 247.7 | 255.7 | 263.7 | 269.0 | 271.6 | 274.3 | 277.0 | 279.6 |
| 127.5° | 253.4 | 260.7 | 268.0 | 272.9 | 275.3 | 277.8 | 280.2 | 282.7 |
| 130° | 258.0 | 265.1 | 272.2 | 276.9 | 279.0 | 281.2 | 283.4 | 285.5 |
| 132.5° | 262.2 | 268.9 | 275.6 | 280.1 | 282.3 | 284.5 | 286.8 | 288.9 |
| 135° | 268.9 | 275.3 | 281.6 | 285.9 | 288.0 | 290.3 | 292.5 | 294.7 |
| 137.5° | 275.4 | 280.9 | 286.4 | 290.1 | 291.9 | 293.6 | 295.4 | 297.2 |
| 140° | 280.3 | 285.1 | 290.0 | 293.2 | 294.7 | 296.2 | 297.7 | 299.3 |
| 142.5° | 285.8 | 289.7 | 293.6 | 296.3 | 297.6 | 298.9 | 300.2 | 301.5 |
| 145° | 295.9 | 297.7 | 299.6 | 301.2 | 302.4 | 303.6 | 304.9 | 306.1 |
| 147.5° | 305.6 | 305.9 | 306.4 | 306.7 | 307.3 | 307.7 | 308.2 | 308.6 |
| 150° | 313.3 | 313.4 | 313.7 | 313.7 | 313.4 | 313.3 | 313.1 | 312.8 |
| 152.5° | 321.5 | 321.7 | 322.0 | 322.0 | 321.7 | 321.5 | 321.2 | 320.9 |
| 155° | 331.8 | 332.2 | 332.5 | 332.6 | 332.3 | 332.2 | 332.0 | 331.7 |
| 157.5° | 341.3 | 341.9 | 342.3 | 342.4 | 342.1 | 341.7 | 341.4 | 341.1 |
| 160° | 347.1 | 347.5 | 347.9 | 347.9 | 347.7 | 347.4 | 347.1 | 346.9 |
| 162.5° | 352.2 | 352.7 | 353.2 | 353.2 | 352.9 | 352.6 | 352.2 | 351.9 |
| 165° | 358.8 | 359.4 | 359.8 | 359.9 | 359.5 | 359.2 | 358.8 | 358.6 |
| 167.5° | 364.4 | 364.8 | 365.3 | 365.4 | 365.1 | 364.6 | 364.3 | 363.9 |
| 170° | 367.4 | 367.8 | 368.4 | 368.4 | 368.0 | 367.6 | 367.1 | 366.7 |
| 172.5° | 369.6 | 370.1 | 370.6 | 370.7 | 370.2 | 369.8 | 369.4 | 369.0 |
| 175° | 372.1 | 372.6 | 373.1 | 373.1 | 372.7 | 372.3 | 371.8 | 371.4 |
| 177.5° | 373.3 | 373.5 | 373.9 | 373.9 | 373.5 | 373.3 | 372.9 | 372.6 |
| 180° | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 | 373.4 |

(END OF REPORT)