

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: P331434-935

Luminaire Tested: **S122DIP-S1005D530U935-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331434-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S1005D530U935-4F0-1E-UDD-D4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 530 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5252.5 lumens
Efficiency: N/A
Efficacy: 95.3 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

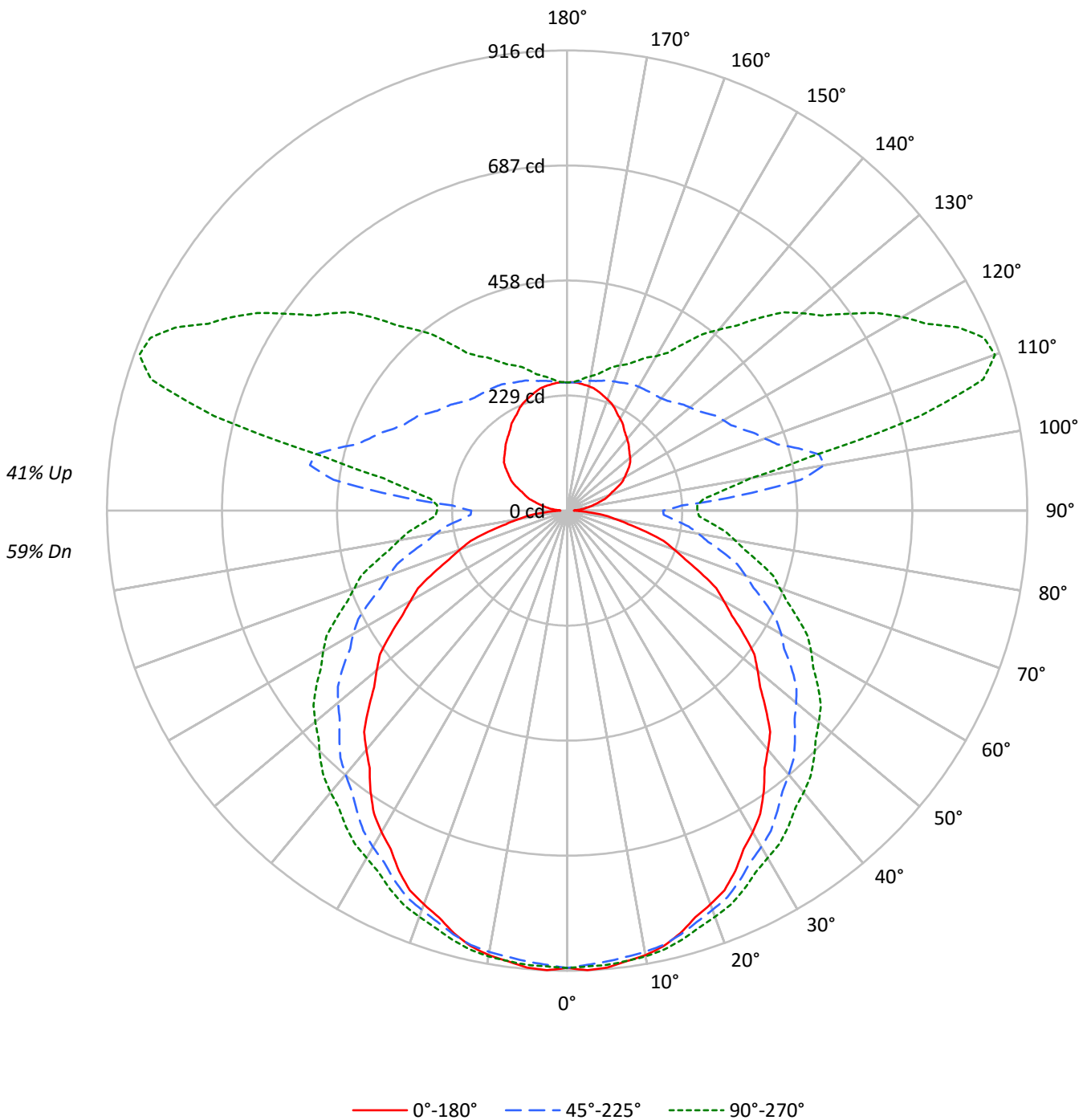
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331434-935

CATALOG NUMBER: S122DIP-S1005D530U935-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P331434-935

CATALOG NUMBER: S122DIP-S1005D530U935-4F0-1E-UDD-D4

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 | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 64 | 64 | 64 | 59 |
| 1 | 98 | 93 | 88 | 84 | 91 | 87 | 82 | 79 | 75 | 72 | 69 | 64 | 62 | 60 | 54 | 52 | 51 | 46 |
| 2 | 89 | 80 | 73 | 67 | 82 | 75 | 69 | 63 | 65 | 60 | 56 | 55 | 52 | 48 | 46 | 44 | 41 | 37 |
| 3 | 80 | 70 | 62 | 55 | 74 | 65 | 58 | 52 | 56 | 51 | 46 | 48 | 44 | 40 | 41 | 37 | 34 | 31 |
| 4 | 73 | 61 | 53 | 46 | 68 | 57 | 50 | 44 | 50 | 44 | 39 | 43 | 38 | 34 | 36 | 32 | 29 | 26 |
| 5 | 67 | 55 | 46 | 39 | 62 | 51 | 43 | 37 | 44 | 38 | 33 | 38 | 33 | 29 | 32 | 28 | 25 | 22 |
| 6 | 62 | 49 | 40 | 34 | 57 | 46 | 38 | 32 | 40 | 33 | 29 | 34 | 29 | 25 | 29 | 25 | 22 | 19 |
| 7 | 57 | 44 | 36 | 30 | 53 | 41 | 34 | 28 | 36 | 30 | 25 | 31 | 26 | 22 | 27 | 22 | 19 | 17 |
| 8 | 53 | 40 | 32 | 26 | 49 | 37 | 30 | 25 | 33 | 27 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 15 |
| 9 | 49 | 36 | 29 | 23 | 46 | 34 | 27 | 22 | 30 | 24 | 20 | 26 | 21 | 18 | 22 | 18 | 16 | 13 |
| 10 | 46 | 33 | 26 | 21 | 43 | 31 | 24 | 20 | 28 | 22 | 18 | 24 | 19 | 16 | 21 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 14699 | 14699 | 14699 |
| 5° | 14772 | 14150 | 14097 |
| 10° | 14679 | 13733 | 13578 |
| 15° | 14477 | 13289 | 13032 |
| 20° | 14222 | 12815 | 12506 |
| 25° | 13968 | 12358 | 12028 |
| 30° | 13612 | 11889 | 11549 |
| 35° | 13253 | 11434 | 11211 |
| 40° | 12874 | 11047 | 10874 |
| 45° | 12515 | 10702 | 10584 |
| 50° | 12128 | 10388 | 10300 |
| 55° | 11724 | 10052 | 10011 |
| 60° | 11226 | 9702 | 9705 |
| 65° | 10711 | 9294 | 9342 |
| 70° | 10136 | 8856 | 8949 |
| 75° | 9394 | 8423 | 8587 |
| 80° | 8224 | 7984 | 8220 |
| 85° | 7107 | 7603 | 7937 |



TEST NUMBER: P331434-935

CATALOG NUMBER: S122DIP-S1005D530U935-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.3 | 1.6 |
| 10°-20° | 247.4 | 4.7 |
| 20°-30° | 374.9 | 7.1 |
| 30°-40° | 456.6 | 8.7 |
| 40°-50° | 491.2 | 9.4 |
| 50°-60° | 477.0 | 9.1 |
| 60°-70° | 416.5 | 7.9 |
| 70°-80° | 320.7 | 6.1 |
| 80°-90° | 217.5 | 4.1 |
| 90°-100° | 250.4 | 4.8 |
| 100°-110° | 454.7 | 8.7 |
| 110°-120° | 439.6 | 8.4 |
| 120°-130° | 342.9 | 6.5 |
| 130°-140° | 260.0 | 5.0 |
| 140°-150° | 186.8 | 3.6 |
| 150°-160° | 129.2 | 2.5 |
| 160°-170° | 76.1 | 1.4 |
| 170°-180° | 24.8 | 0.5 |
| 0°-30° | 708.5 | 13.5 |
| 0°-40° | 1165.2 | 22.2 |
| 0°-60° | 2133.4 | 40.6 |
| 0°-90° | 3088.2 | 58.8 |
| 90°-120° | 1144.6 | 21.8 |
| 90°-150° | 1934.3 | 36.8 |
| 90°-180° | 2164.0 | 41.2 |
| 0°-180° | 5252.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 910 | 910 | 910 | 910 | 910 | |
| 5° | 913 | 909 | 901 | 909 | 908 | 87 |
| 15° | 871 | 873 | 874 | 885 | 884 | 245 |
| 25° | 792 | 801 | 813 | 828 | 833 | 364 |
| 35° | 682 | 705 | 730 | 758 | 768 | 426 |
| 45° | 560 | 596 | 641 | 681 | 695 | 432 |
| 55° | 429 | 478 | 545 | 591 | 610 | 383 |
| 65° | 293 | 358 | 435 | 488 | 507 | 291 |
| 75° | 162 | 237 | 321 | 375 | 394 | 172 |
| 85° | 48 | 129 | 214 | 267 | 288 | 51 |
| 90° | 14 | 97 | 191 | 241 | 259 | 10 |
| 95° | 28 | 116 | 344 | 273 | 274 | 27 |
| 105° | 66 | 137 | 477 | 808 | 728 | 71 |
| 115° | 111 | 156 | 384 | 746 | 861 | 109 |
| 125° | 150 | 179 | 338 | 588 | 683 | 134 |
| 135° | 174 | 208 | 304 | 469 | 542 | 135 |
| 145° | 197 | 227 | 288 | 365 | 405 | 124 |
| 155° | 224 | 242 | 279 | 316 | 328 | 103 |
| 165° | 244 | 252 | 268 | 284 | 288 | 69 |
| 175° | 255 | 255 | 257 | 260 | 260 | 24 |
| 180° | 255 | 255 | 255 | 255 | 255 | |



TEST NUMBER: P331434-935

CATALOG NUMBER: S122DIP-S1005D530U935-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 |
| 2.5° | 915.8 | 915.1 | 914.3 | 913.6 | 912.9 | 911.7 | 910.1 | 908.4 | 906.8 | 905.2 | 906.4 |
| 5° | 913.1 | 912.2 | 911.4 | 910.4 | 909.6 | 908.3 | 906.5 | 904.7 | 903.0 | 901.2 | 903.0 |
| 7.5° | 904.9 | 904.3 | 903.7 | 903.2 | 902.6 | 901.6 | 900.3 | 898.9 | 897.6 | 896.2 | 898.3 |
| 10° | 898.6 | 898.0 | 897.4 | 896.8 | 896.2 | 895.5 | 894.7 | 893.7 | 892.9 | 892.0 | 894.3 |
| 12.5° | 888.0 | 888.1 | 888.3 | 888.4 | 888.5 | 888.2 | 887.6 | 886.9 | 886.3 | 885.6 | 888.0 |
| 15° | 870.9 | 871.5 | 872.0 | 872.6 | 873.2 | 873.5 | 873.5 | 873.5 | 873.5 | 873.5 | 876.2 |
| 17.5° | 848.7 | 850.0 | 851.2 | 852.4 | 853.6 | 854.7 | 855.7 | 856.6 | 857.6 | 858.5 | 861.3 |
| 20° | 834.0 | 835.4 | 836.9 | 838.4 | 839.8 | 841.1 | 842.3 | 843.4 | 844.6 | 845.8 | 849.0 |
| 22.5° | 818.1 | 819.8 | 821.5 | 823.2 | 824.9 | 826.6 | 828.2 | 829.8 | 831.5 | 833.1 | 836.4 |
| 25° | 791.7 | 793.8 | 795.8 | 797.9 | 800.0 | 802.3 | 804.9 | 807.5 | 810.2 | 812.8 | 816.3 |
| 27.5° | 760.0 | 763.4 | 766.7 | 770.1 | 773.4 | 776.6 | 779.7 | 782.8 | 785.9 | 789.1 | 793.5 |
| 30° | 738.9 | 742.7 | 746.6 | 750.4 | 754.1 | 758.0 | 761.8 | 765.6 | 769.4 | 773.3 | 777.9 |
| 32.5° | 715.7 | 720.0 | 724.3 | 728.6 | 732.8 | 737.2 | 741.8 | 746.2 | 750.8 | 755.3 | 760.7 |
| 35° | 682.2 | 687.2 | 692.2 | 697.2 | 702.1 | 707.4 | 713.0 | 718.5 | 724.1 | 729.7 | 736.2 |
| 37.5° | 645.8 | 651.5 | 657.3 | 663.0 | 668.7 | 675.2 | 682.4 | 689.7 | 696.9 | 704.1 | 711.3 |
| 40° | 621.5 | 627.9 | 634.4 | 640.8 | 647.3 | 654.4 | 662.4 | 670.3 | 678.2 | 686.1 | 693.8 |
| 42.5° | 598.3 | 604.7 | 611.1 | 617.6 | 624.1 | 631.8 | 640.9 | 650.1 | 659.1 | 668.2 | 676.5 |
| 45° | 559.5 | 567.4 | 575.3 | 583.2 | 591.2 | 600.2 | 610.5 | 620.8 | 631.0 | 641.3 | 650.4 |
| 47.5° | 521.2 | 529.9 | 538.5 | 547.1 | 555.7 | 566.0 | 578.1 | 590.0 | 602.1 | 614.1 | 623.6 |
| 50° | 494.8 | 503.9 | 513.0 | 522.1 | 531.2 | 542.3 | 555.5 | 568.7 | 581.9 | 595.1 | 605.1 |
| 52.5° | 469.5 | 479.1 | 488.6 | 498.2 | 507.7 | 519.4 | 533.3 | 547.3 | 561.1 | 575.1 | 585.2 |
| 55° | 428.9 | 439.4 | 450.0 | 460.5 | 471.1 | 484.0 | 499.2 | 514.4 | 529.7 | 544.9 | 555.5 |
| 57.5° | 388.7 | 400.6 | 412.5 | 424.5 | 436.4 | 450.0 | 465.6 | 481.1 | 496.7 | 512.2 | 523.6 |
| 60° | 360.2 | 372.8 | 385.5 | 398.0 | 410.7 | 425.3 | 442.0 | 458.7 | 475.4 | 492.1 | 503.3 |
| 62.5° | 334.9 | 347.9 | 361.0 | 374.1 | 387.2 | 402.1 | 418.8 | 435.5 | 452.3 | 469.0 | 480.8 |
| 65° | 292.9 | 307.3 | 321.7 | 336.0 | 350.4 | 366.3 | 383.6 | 400.8 | 418.1 | 435.4 | 447.5 |
| 67.5° | 254.4 | 269.4 | 284.4 | 299.5 | 314.4 | 330.8 | 348.5 | 366.3 | 383.9 | 401.7 | 413.8 |
| 70° | 227.0 | 242.2 | 257.4 | 272.7 | 287.9 | 304.6 | 322.9 | 341.0 | 359.2 | 377.4 | 389.9 |
| 72.5° | 201.6 | 217.3 | 233.1 | 248.7 | 264.5 | 281.5 | 300.0 | 318.4 | 336.8 | 355.2 | 367.6 |
| 75° | 162.3 | 178.7 | 195.1 | 211.5 | 228.0 | 245.6 | 264.3 | 283.1 | 301.9 | 320.6 | 333.2 |
| 77.5° | 124.3 | 141.5 | 158.7 | 175.8 | 193.0 | 211.1 | 230.2 | 249.3 | 268.3 | 287.4 | 300.0 |
| 80° | 98.9 | 116.8 | 134.7 | 152.7 | 170.5 | 189.0 | 208.0 | 227.1 | 246.2 | 265.2 | 277.5 |
| 82.5° | 77.8 | 95.5 | 113.1 | 130.8 | 148.4 | 166.9 | 186.2 | 205.5 | 224.8 | 244.1 | 256.4 |
| 85° | 47.5 | 65.7 | 83.9 | 102.0 | 120.2 | 138.7 | 157.5 | 176.2 | 195.0 | 213.8 | 226.1 |
| 87.5° | 26.0 | 43.7 | 61.6 | 79.3 | 96.9 | 115.4 | 134.7 | 154.0 | 173.4 | 192.3 | 204.1 |
| 90° | 13.7 | 32.2 | 51.1 | 69.1 | 87.1 | 106.5 | 127.7 | 149.9 | 171.6 | 190.9 | 202.1 |
| 92.5° | 18.2 | 36.6 | 56.0 | 74.0 | 93.2 | 114.7 | 143.9 | 177.5 | 209.6 | 228.5 | 230.1 |
| 95° | 27.7 | 43.5 | 62.2 | 80.4 | 102.0 | 129.5 | 169.7 | 230.0 | 304.5 | 344.2 | 331.3 |
| 97.5° | 37.2 | 52.1 | 69.6 | 88.5 | 109.9 | 137.8 | 183.0 | 259.4 | 371.0 | 469.0 | 495.9 |
| 100° | 47.0 | 59.4 | 74.6 | 93.3 | 114.0 | 141.4 | 183.8 | 260.2 | 382.6 | 519.9 | 601.4 |
| 102.5° | 55.0 | 66.0 | 80.3 | 98.2 | 118.2 | 144.9 | 184.9 | 254.1 | 368.2 | 514.4 | 636.2 |
| 105° | 66.5 | 77.0 | 88.9 | 104.8 | 124.1 | 149.7 | 188.0 | 247.0 | 343.3 | 477.3 | 618.2 |
| 107.5° | 80.4 | 88.8 | 98.9 | 112.4 | 130.0 | 154.5 | 191.5 | 244.3 | 325.8 | 438.6 | 563.9 |
| 110° | 88.8 | 96.6 | 105.4 | 117.6 | 133.8 | 158.2 | 194.2 | 243.8 | 318.1 | 419.0 | 529.9 |



TEST NUMBER: P331434-935

CATALOG NUMBER: S122DIP-S1005D530U935-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 97.4 | 104.3 | 112.5 | 123.5 | 138.3 | 162.2 | 196.7 | 243.7 | 311.9 | 402.9 | 503.7 |
| 115° | 110.8 | 116.5 | 122.7 | 131.8 | 144.8 | 166.3 | 200.6 | 243.7 | 304.6 | 383.6 | 470.0 |
| 117.5° | 123.5 | 127.5 | 132.6 | 139.9 | 151.4 | 172.4 | 204.1 | 244.4 | 298.3 | 368.2 | 444.3 |
| 120° | 132.1 | 135.3 | 139.4 | 145.0 | 155.9 | 176.2 | 207.1 | 245.3 | 294.8 | 359.1 | 429.6 |
| 122.5° | 140.3 | 142.4 | 145.9 | 151.1 | 161.4 | 181.2 | 210.3 | 245.8 | 292.0 | 351.2 | 416.4 |
| 125° | 150.0 | 151.4 | 154.4 | 160.2 | 170.0 | 188.6 | 215.6 | 247.0 | 286.9 | 337.5 | 396.0 |
| 127.5° | 158.6 | 160.2 | 164.1 | 170.3 | 179.4 | 197.2 | 222.0 | 249.3 | 283.4 | 326.3 | 377.0 |
| 130° | 163.7 | 165.4 | 170.0 | 176.6 | 186.1 | 202.8 | 226.1 | 250.9 | 281.6 | 319.3 | 364.5 |
| 132.5° | 168.4 | 170.5 | 175.5 | 182.4 | 192.3 | 208.4 | 229.5 | 252.5 | 279.8 | 312.5 | 353.3 |
| 135° | 174.2 | 176.2 | 182.0 | 189.4 | 200.7 | 215.9 | 234.5 | 254.7 | 277.2 | 303.8 | 337.9 |
| 137.5° | 180.8 | 183.1 | 189.0 | 196.7 | 207.9 | 221.3 | 238.1 | 255.4 | 274.6 | 296.0 | 324.9 |
| 140° | 186.0 | 187.6 | 193.2 | 200.8 | 211.3 | 224.2 | 239.5 | 255.3 | 272.6 | 291.4 | 317.2 |
| 142.5° | 191.1 | 192.3 | 197.5 | 205.1 | 215.2 | 227.1 | 241.6 | 256.5 | 272.2 | 289.2 | 311.3 |
| 145° | 197.4 | 199.3 | 204.2 | 211.6 | 221.4 | 232.2 | 245.5 | 259.2 | 273.0 | 287.7 | 305.2 |
| 147.5° | 205.6 | 207.1 | 211.8 | 218.6 | 226.8 | 236.3 | 248.8 | 261.0 | 273.4 | 285.9 | 300.0 |
| 150° | 211.1 | 212.6 | 216.5 | 222.9 | 230.3 | 239.1 | 250.4 | 261.7 | 273.0 | 284.8 | 296.6 |
| 152.5° | 216.6 | 217.3 | 221.3 | 226.9 | 233.8 | 241.9 | 252.0 | 262.1 | 272.2 | 282.8 | 293.9 |
| 155° | 224.4 | 224.9 | 227.8 | 233.2 | 238.7 | 246.0 | 254.3 | 262.7 | 271.0 | 279.4 | 288.7 |
| 157.5° | 230.8 | 231.4 | 233.8 | 238.4 | 242.8 | 248.9 | 256.0 | 262.7 | 268.8 | 275.9 | 283.9 |
| 160° | 235.2 | 235.7 | 237.6 | 241.6 | 245.5 | 250.9 | 256.8 | 262.7 | 267.6 | 273.5 | 280.3 |
| 162.5° | 239.5 | 239.2 | 241.2 | 244.4 | 247.9 | 252.1 | 257.2 | 262.3 | 266.4 | 271.6 | 277.2 |
| 165° | 244.5 | 244.0 | 245.0 | 248.0 | 250.4 | 253.4 | 257.8 | 261.2 | 264.2 | 267.6 | 272.0 |
| 167.5° | 248.7 | 248.1 | 248.9 | 250.8 | 252.6 | 254.4 | 257.7 | 260.5 | 261.9 | 264.2 | 266.9 |
| 170° | 251.4 | 250.4 | 250.9 | 252.4 | 253.4 | 254.9 | 257.3 | 259.8 | 260.7 | 262.2 | 264.2 |
| 172.5° | 253.0 | 252.4 | 252.1 | 253.6 | 254.2 | 255.2 | 256.9 | 258.6 | 259.2 | 259.8 | 261.4 |
| 175° | 254.9 | 254.3 | 253.8 | 254.9 | 254.9 | 255.3 | 256.3 | 257.3 | 256.8 | 257.3 | 257.8 |
| 177.5° | 255.7 | 254.9 | 254.5 | 255.3 | 255.3 | 255.3 | 255.7 | 256.5 | 255.7 | 255.3 | 255.7 |
| 180° | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 |



TEST NUMBER: P331434-935

CATALOG NUMBER: S122DIP-S1005D530U935-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 | 910.4 |
| 2.5° | 907.5 | 908.7 | 909.9 | 910.2 | 909.7 | 909.3 | 908.8 | 908.4 |
| 5° | 904.7 | 906.5 | 908.3 | 909.0 | 908.7 | 908.4 | 908.1 | 907.8 |
| 7.5° | 900.4 | 902.6 | 904.7 | 905.6 | 905.3 | 905.0 | 904.7 | 904.4 |
| 10° | 896.6 | 899.1 | 901.4 | 902.4 | 902.1 | 901.8 | 901.6 | 901.2 |
| 12.5° | 890.4 | 892.7 | 895.0 | 896.0 | 895.8 | 895.4 | 895.2 | 894.9 |
| 15° | 878.8 | 881.4 | 884.1 | 885.3 | 884.9 | 884.7 | 884.3 | 884.1 |
| 17.5° | 864.0 | 866.8 | 869.5 | 870.9 | 870.9 | 870.9 | 870.9 | 870.9 |
| 20° | 852.2 | 855.5 | 858.7 | 860.3 | 860.3 | 860.3 | 860.3 | 860.3 |
| 22.5° | 839.6 | 842.8 | 846.0 | 847.9 | 848.3 | 848.9 | 849.3 | 849.8 |
| 25° | 819.8 | 823.4 | 826.9 | 829.1 | 830.0 | 830.9 | 831.7 | 832.6 |
| 27.5° | 798.0 | 802.5 | 806.9 | 809.4 | 810.1 | 810.7 | 811.4 | 812.0 |
| 30° | 782.6 | 787.3 | 792.0 | 794.8 | 795.7 | 796.5 | 797.5 | 798.3 |
| 32.5° | 766.1 | 771.5 | 776.9 | 780.3 | 782.0 | 783.5 | 785.1 | 786.7 |
| 35° | 742.6 | 749.1 | 755.5 | 759.7 | 761.8 | 763.9 | 765.9 | 767.9 |
| 37.5° | 718.4 | 725.6 | 732.7 | 737.4 | 739.5 | 741.8 | 743.9 | 746.1 |
| 40° | 701.4 | 709.0 | 716.6 | 721.8 | 724.4 | 727.0 | 729.7 | 732.4 |
| 42.5° | 684.8 | 693.2 | 701.5 | 707.0 | 709.6 | 712.3 | 714.9 | 717.6 |
| 45° | 659.4 | 668.6 | 677.6 | 683.6 | 686.6 | 689.5 | 692.4 | 695.3 |
| 47.5° | 633.1 | 642.6 | 652.1 | 658.5 | 661.7 | 665.0 | 668.1 | 671.4 |
| 50° | 615.0 | 625.0 | 635.0 | 641.6 | 644.8 | 648.0 | 651.3 | 654.4 |
| 52.5° | 595.5 | 605.6 | 615.9 | 622.7 | 626.1 | 629.6 | 633.1 | 636.5 |
| 55° | 566.1 | 576.6 | 587.2 | 594.3 | 598.1 | 602.0 | 605.8 | 609.6 |
| 57.5° | 535.0 | 546.4 | 557.8 | 565.3 | 569.2 | 573.1 | 577.0 | 580.8 |
| 60° | 514.4 | 525.6 | 536.7 | 544.4 | 548.5 | 552.6 | 556.7 | 560.8 |
| 62.5° | 492.7 | 504.5 | 516.3 | 524.2 | 528.1 | 531.9 | 535.8 | 539.7 |
| 65° | 459.5 | 471.5 | 483.5 | 491.5 | 495.2 | 499.0 | 502.9 | 506.7 |
| 67.5° | 425.9 | 438.1 | 450.2 | 458.3 | 462.3 | 466.2 | 470.3 | 474.2 |
| 70° | 402.6 | 415.2 | 427.8 | 435.8 | 439.4 | 442.9 | 446.4 | 450.0 |
| 72.5° | 380.0 | 392.4 | 404.7 | 413.0 | 417.2 | 421.5 | 425.7 | 429.9 |
| 75° | 345.9 | 358.4 | 371.1 | 379.3 | 383.1 | 386.9 | 390.7 | 394.5 |
| 77.5° | 312.5 | 325.0 | 337.6 | 345.9 | 350.0 | 354.1 | 358.3 | 362.3 |
| 80° | 289.8 | 302.2 | 314.5 | 322.7 | 326.8 | 330.9 | 335.0 | 339.1 |
| 82.5° | 268.7 | 281.0 | 293.3 | 301.4 | 305.3 | 309.2 | 313.1 | 316.9 |
| 85° | 238.4 | 250.7 | 263.0 | 271.2 | 275.3 | 279.5 | 283.5 | 287.7 |
| 87.5° | 216.0 | 227.8 | 240.0 | 247.9 | 251.7 | 255.4 | 259.2 | 262.9 |
| 90° | 213.4 | 224.1 | 236.8 | 245.0 | 248.4 | 251.9 | 255.5 | 259.0 |
| 92.5° | 230.5 | 235.9 | 243.2 | 247.7 | 250.8 | 252.8 | 256.7 | 259.4 |
| 95° | 302.6 | 283.9 | 274.4 | 271.0 | 268.0 | 267.6 | 269.7 | 273.7 |
| 97.5° | 462.3 | 418.5 | 376.3 | 348.0 | 328.0 | 319.3 | 315.6 | 315.0 |
| 100° | 601.9 | 551.9 | 495.5 | 443.2 | 405.6 | 387.7 | 376.7 | 371.1 |
| 102.5° | 691.1 | 687.9 | 649.4 | 593.4 | 552.3 | 519.5 | 505.0 | 496.2 |
| 105° | 730.6 | 796.3 | 813.0 | 803.5 | 776.3 | 749.1 | 731.2 | 727.5 |
| 107.5° | 682.0 | 775.4 | 836.4 | 866.7 | 873.7 | 875.3 | 874.3 | 868.4 |
| 110° | 642.9 | 740.2 | 812.4 | 859.0 | 883.4 | 895.9 | 903.5 | 906.3 |



TEST NUMBER: P331434-935

CATALOG NUMBER: S122DIP-S1005D530U935-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 606.5 | 700.3 | 776.8 | 829.2 | 861.9 | 880.6 | 892.3 | 898.1 |
| 115° | 559.8 | 644.2 | 717.3 | 774.0 | 812.0 | 837.8 | 853.8 | 861.4 |
| 117.5° | 521.9 | 596.9 | 663.9 | 717.2 | 755.7 | 782.6 | 799.0 | 805.7 |
| 120° | 501.2 | 570.3 | 630.6 | 681.0 | 718.6 | 744.9 | 762.3 | 770.4 |
| 122.5° | 483.8 | 547.5 | 604.9 | 650.6 | 684.2 | 709.6 | 725.0 | 731.8 |
| 125° | 457.4 | 515.9 | 567.1 | 609.2 | 640.2 | 661.6 | 676.5 | 683.0 |
| 127.5° | 431.4 | 484.5 | 532.5 | 571.4 | 598.8 | 618.9 | 632.1 | 637.8 |
| 130° | 414.8 | 464.1 | 509.9 | 547.0 | 573.4 | 592.5 | 604.6 | 610.9 |
| 132.5° | 398.6 | 444.4 | 486.9 | 521.9 | 547.9 | 567.0 | 578.3 | 584.3 |
| 135° | 375.9 | 414.5 | 453.1 | 484.8 | 508.2 | 526.8 | 538.0 | 542.3 |
| 137.5° | 356.3 | 388.7 | 419.9 | 447.5 | 468.8 | 484.7 | 494.5 | 499.4 |
| 140° | 344.0 | 372.2 | 399.5 | 424.3 | 441.8 | 456.3 | 465.5 | 470.1 |
| 142.5° | 334.5 | 358.3 | 381.4 | 402.2 | 418.6 | 431.7 | 439.8 | 442.0 |
| 145° | 322.2 | 340.2 | 357.1 | 373.0 | 386.2 | 396.1 | 402.4 | 405.4 |
| 147.5° | 313.1 | 326.1 | 338.3 | 349.1 | 359.6 | 367.0 | 371.0 | 372.6 |
| 150° | 308.3 | 319.2 | 329.5 | 338.3 | 345.7 | 351.5 | 354.5 | 355.0 |
| 152.5° | 304.0 | 314.1 | 322.8 | 330.5 | 336.2 | 341.4 | 343.5 | 343.6 |
| 155° | 298.1 | 305.9 | 313.2 | 318.7 | 324.1 | 327.5 | 329.5 | 328.5 |
| 157.5° | 291.1 | 297.6 | 303.8 | 308.1 | 311.9 | 314.8 | 315.6 | 315.6 |
| 160° | 286.7 | 292.1 | 297.6 | 301.0 | 304.4 | 306.9 | 307.4 | 307.4 |
| 162.5° | 282.4 | 287.1 | 291.7 | 294.3 | 297.7 | 299.5 | 299.9 | 299.5 |
| 165° | 276.0 | 279.4 | 282.8 | 284.8 | 286.7 | 288.7 | 288.7 | 288.3 |
| 167.5° | 269.8 | 272.4 | 274.7 | 276.6 | 277.4 | 278.5 | 278.4 | 277.8 |
| 170° | 266.7 | 268.1 | 270.1 | 271.0 | 271.6 | 273.0 | 272.5 | 271.6 |
| 172.5° | 263.1 | 264.2 | 265.7 | 266.3 | 266.8 | 267.5 | 267.0 | 266.4 |
| 175° | 259.2 | 259.8 | 260.3 | 260.7 | 260.7 | 261.2 | 260.7 | 259.8 |
| 177.5° | 256.5 | 256.5 | 256.9 | 256.9 | 256.9 | 256.9 | 256.5 | 255.7 |
| 180° | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 | 255.3 |

(END OF REPORT)