

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: P242826

Luminaire Tested: **S125DR-S610D935-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P242826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DR-S610D935-X4F0-XX-UDD-A-W
Description: DEFINE 5 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2055.1 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.53
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

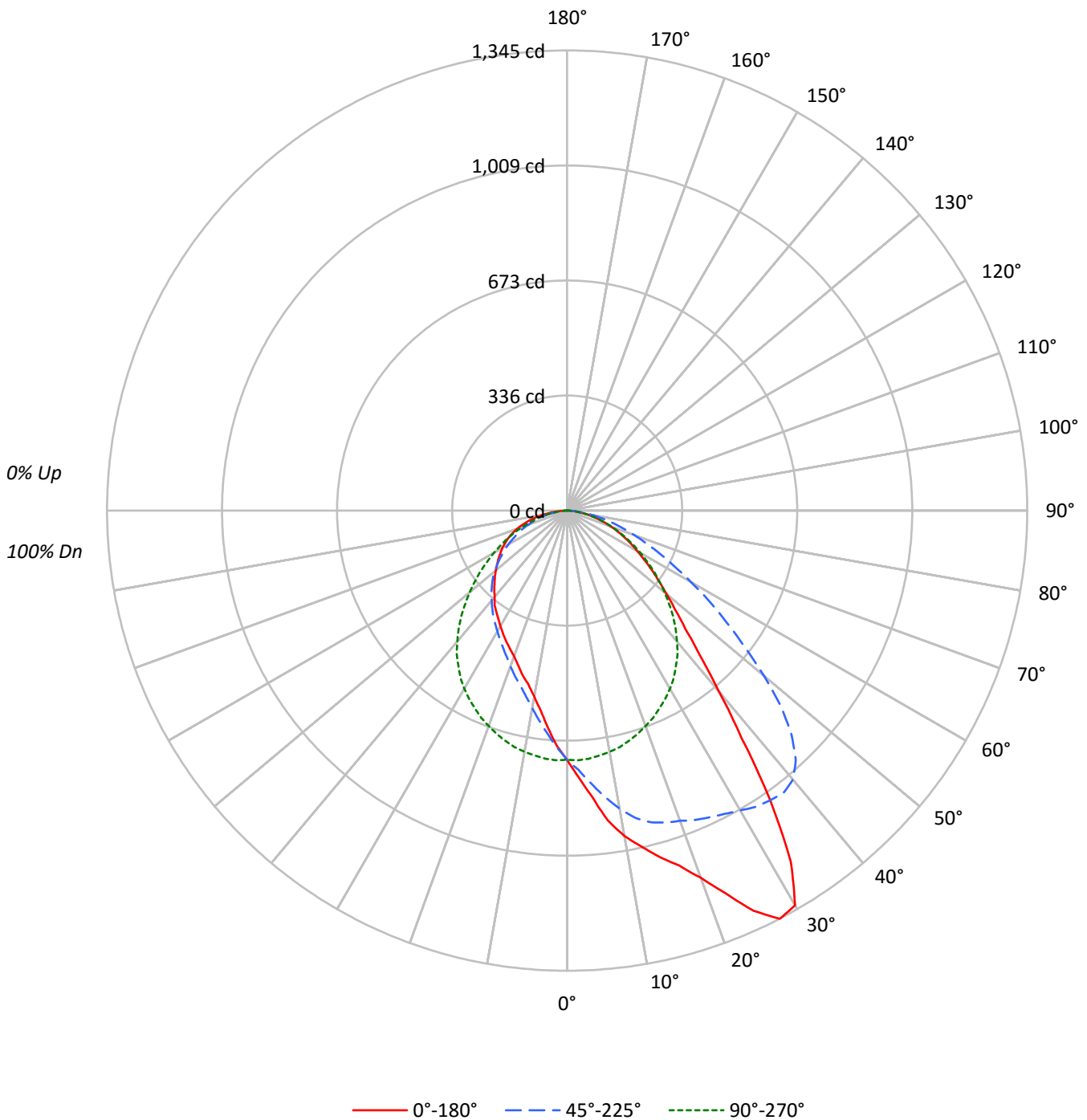
Input Watts (W): 18.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P242826

CATALOG NUMBER: S125DR-S610D935-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot





TEST NUMBER: P242826

CATALOG NUMBER: S125DR-S610D935-X4F0-XX-UDD-A-W

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 98 | 90 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 76 | 81 | 77 | 74 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 61 |
| 4 | 84 | 73 | 64 | 58 | 82 | 71 | 63 | 57 | 69 | 62 | 57 | 67 | 61 | 56 | 64 | 59 | 55 | 53 |
| 5 | 78 | 65 | 56 | 50 | 76 | 64 | 56 | 50 | 62 | 55 | 49 | 60 | 54 | 49 | 58 | 53 | 48 | 46 |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 41 |
| 7 | 67 | 53 | 45 | 39 | 65 | 53 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 38 | 48 | 42 | 38 | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 48 | 40 | 35 | 47 | 40 | 34 | 46 | 39 | 34 | 44 | 39 | 34 | 32 |
| 9 | 58 | 45 | 37 | 31 | 57 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 29 |
| 10 | 54 | 41 | 34 | 28 | 53 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|------|------|
| 0° | 5176 | 5176 | 5176 |
| 5° | 5994 | 5193 | 4548 |
| 10° | 6973 | 5167 | 3984 |
| 15° | 7719 | 5129 | 3675 |
| 20° | 8641 | 5068 | 3427 |
| 25° | 10123 | 5001 | 3306 |
| 30° | 10933 | 4934 | 3201 |
| 35° | 8990 | 4808 | 3132 |
| 40° | 6390 | 4634 | 3057 |
| 45° | 4909 | 4399 | 3013 |
| 50° | 4191 | 4108 | 3008 |
| 55° | 3731 | 3823 | 3033 |
| 60° | 3366 | 3511 | 3110 |
| 65° | 3108 | 3197 | 3192 |
| 70° | 2826 | 2872 | 3238 |
| 75° | 2496 | 2529 | 3207 |
| 80° | 2100 | 2063 | 2935 |
| 85° | 1664 | 1484 | 2373 |



TEST NUMBER: P242826

CATALOG NUMBER: S125DR-S610D935-X4F0-XX-UDD-A-W

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 70.1 | 3.4 |
| 10°-20° | 208.8 | 10.2 |
| 20°-30° | 339.1 | 16.5 |
| 30°-40° | 414.4 | 20.2 |
| 40°-50° | 376.0 | 18.3 |
| 50°-60° | 299.5 | 14.6 |
| 60°-70° | 208.6 | 10.1 |
| 70°-80° | 111.1 | 5.4 |
| 80°-90° | 27.6 | 1.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 618.0 | 30.1 |
| 0°-40° | 1032.4 | 50.2 |
| 0°-60° | 1707.8 | 83.1 |
| 0°-90° | 2055.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2055.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 728 | 728 | 728 | 728 | 728 | |
| 5° | 840 | 800 | 728 | 655 | 637 | 84 |
| 15° | 1049 | 943 | 697 | 529 | 500 | 300 |
| 25° | 1291 | 989 | 638 | 443 | 422 | 591 |
| 35° | 1036 | 1034 | 554 | 376 | 361 | 636 |
| 45° | 488 | 928 | 438 | 311 | 300 | 389 |
| 55° | 301 | 568 | 308 | 237 | 245 | 271 |
| 65° | 185 | 301 | 190 | 160 | 190 | 183 |
| 75° | 91 | 134 | 92 | 84 | 117 | 98 |
| 85° | 20 | 27 | 18 | 20 | 29 | 24 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P242826

CATALOG NUMBER: S125DR-S610D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 |
| 2.5° | 780.8 | 779.5 | 778.3 | 775.8 | 777.7 | 772.4 | 770.0 | 765.6 | 760.4 | 758.5 | 756.4 |
| 5° | 840.1 | 841.7 | 843.2 | 836.7 | 837.3 | 833.0 | 823.1 | 815.1 | 808.6 | 800.2 | 794.4 |
| 7.5° | 913.7 | 909.1 | 909.4 | 905.3 | 898.2 | 892.4 | 882.8 | 869.5 | 857.4 | 843.8 | 832.1 |
| 10° | 966.2 | 966.5 | 963.8 | 958.8 | 951.1 | 945.5 | 931.9 | 918.9 | 903.2 | 884.6 | 871.3 |
| 12.5° | 1005.8 | 1007.3 | 1003.6 | 996.5 | 993.7 | 979.5 | 969.6 | 953.6 | 934.1 | 920.2 | 898.2 |
| 15° | 1049.1 | 1045.7 | 1043.2 | 1034.9 | 1028.4 | 1015.4 | 998.4 | 982.3 | 961.9 | 943.1 | 924.2 |
| 17.5° | 1087.4 | 1090.2 | 1086.2 | 1080.0 | 1060.8 | 1045.7 | 1024.7 | 1004.3 | 979.8 | 956.3 | 934.4 |
| 20° | 1142.4 | 1144.9 | 1137.8 | 1124.5 | 1100.4 | 1085.2 | 1055.3 | 1026.8 | 997.5 | 965.0 | 940.3 |
| 22.5° | 1211.0 | 1207.9 | 1197.7 | 1175.8 | 1155.7 | 1124.5 | 1091.4 | 1055.3 | 1016.6 | 978.9 | 944.0 |
| 25° | 1290.8 | 1277.8 | 1271.9 | 1246.9 | 1219.4 | 1178.3 | 1133.8 | 1083.1 | 1037.3 | 988.8 | 946.8 |
| 27.5° | 1345.2 | 1339.9 | 1331.6 | 1311.2 | 1279.7 | 1233.0 | 1180.4 | 1119.9 | 1058.3 | 999.0 | 946.1 |
| 30° | 1332.2 | 1332.8 | 1333.4 | 1327.9 | 1309.3 | 1276.3 | 1224.0 | 1157.6 | 1080.9 | 1012.0 | 948.3 |
| 32.5° | 1217.2 | 1231.1 | 1244.4 | 1261.7 | 1272.9 | 1273.2 | 1245.3 | 1186.9 | 1107.5 | 1026.8 | 947.1 |
| 35° | 1036.1 | 1039.5 | 1074.4 | 1109.0 | 1156.0 | 1192.5 | 1216.9 | 1190.3 | 1123.9 | 1033.9 | 946.1 |
| 37.5° | 837.6 | 854.6 | 880.9 | 919.9 | 990.3 | 1047.8 | 1123.3 | 1149.2 | 1118.0 | 1039.8 | 945.8 |
| 40° | 688.7 | 704.1 | 719.9 | 759.8 | 816.9 | 890.5 | 979.2 | 1054.9 | 1072.6 | 1026.8 | 936.6 |
| 42.5° | 573.7 | 585.1 | 603.0 | 630.6 | 676.0 | 739.0 | 822.8 | 927.6 | 999.3 | 989.1 | 917.1 |
| 45° | 488.4 | 496.1 | 509.7 | 533.5 | 568.1 | 619.1 | 693.9 | 802.1 | 896.4 | 927.6 | 884.0 |
| 47.5° | 427.8 | 428.1 | 439.2 | 456.2 | 482.5 | 529.5 | 585.4 | 674.4 | 776.1 | 848.2 | 838.0 |
| 50° | 379.0 | 377.4 | 385.8 | 400.0 | 419.8 | 448.5 | 501.4 | 569.0 | 665.8 | 750.2 | 773.7 |
| 52.5° | 336.9 | 337.5 | 341.9 | 351.4 | 367.2 | 390.7 | 426.9 | 486.2 | 565.3 | 652.5 | 702.0 |
| 55° | 301.1 | 299.8 | 305.7 | 312.8 | 324.9 | 340.9 | 369.4 | 416.0 | 483.1 | 568.4 | 625.9 |
| 57.5° | 266.4 | 269.8 | 272.3 | 277.3 | 287.8 | 298.9 | 324.2 | 360.1 | 415.4 | 491.2 | 552.0 |
| 60° | 236.8 | 240.2 | 242.0 | 247.0 | 255.0 | 264.3 | 282.8 | 310.6 | 355.5 | 418.5 | 478.8 |
| 62.5° | 210.2 | 212.7 | 213.0 | 217.3 | 223.5 | 232.4 | 246.0 | 268.3 | 301.4 | 354.5 | 413.3 |
| 65° | 184.8 | 184.8 | 186.1 | 190.7 | 193.8 | 201.8 | 213.0 | 230.0 | 258.4 | 301.4 | 351.8 |
| 67.5° | 160.1 | 161.7 | 161.3 | 163.5 | 166.3 | 173.1 | 181.4 | 195.7 | 218.2 | 250.7 | 292.4 |
| 70° | 136.0 | 137.2 | 136.9 | 138.5 | 141.6 | 145.6 | 152.1 | 165.4 | 180.5 | 207.4 | 242.0 |
| 72.5° | 114.4 | 114.7 | 113.7 | 115.9 | 117.5 | 120.9 | 128.3 | 133.8 | 147.7 | 169.4 | 196.3 |
| 75° | 90.9 | 91.5 | 92.1 | 93.3 | 95.2 | 97.1 | 100.8 | 107.9 | 117.1 | 134.1 | 152.4 |
| 77.5° | 72.3 | 70.8 | 72.6 | 72.3 | 73.3 | 74.8 | 78.2 | 82.2 | 90.3 | 101.7 | 116.8 |
| 80° | 51.3 | 51.6 | 51.6 | 51.9 | 53.5 | 54.4 | 57.2 | 60.0 | 65.8 | 73.9 | 83.8 |
| 82.5° | 34.0 | 34.9 | 34.3 | 34.9 | 36.2 | 36.8 | 38.0 | 40.2 | 43.0 | 48.8 | 55.3 |
| 85° | 20.4 | 18.9 | 19.5 | 20.1 | 20.1 | 20.4 | 21.6 | 22.6 | 24.4 | 26.9 | 29.7 |
| 87.5° | 7.4 | 8.0 | 8.3 | 8.3 | 8.7 | 8.7 | 9.9 | 9.9 | 10.8 | 11.7 | 13.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P242826

CATALOG NUMBER: S125DR-S610D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 |
| 2.5° | 754.5 | 752.3 | 749.9 | 745.5 | 740.3 | 737.5 | 733.2 | 730.4 | 724.8 | 720.2 | 715.2 |
| 5° | 787.3 | 779.2 | 771.8 | 762.2 | 751.7 | 744.9 | 736.9 | 727.9 | 718.6 | 709.1 | 698.6 |
| 7.5° | 820.0 | 806.7 | 792.2 | 777.1 | 762.2 | 748.3 | 735.3 | 722.0 | 710.0 | 694.8 | 682.2 |
| 10° | 853.1 | 835.2 | 816.0 | 793.4 | 771.5 | 752.3 | 732.9 | 715.9 | 698.6 | 680.0 | 663.6 |
| 12.5° | 886.2 | 860.8 | 831.8 | 806.4 | 778.9 | 754.8 | 731.0 | 708.1 | 685.3 | 664.2 | 644.5 |
| 15° | 898.2 | 877.2 | 852.2 | 816.9 | 787.3 | 755.4 | 725.1 | 697.0 | 670.7 | 647.9 | 623.8 |
| 17.5° | 910.0 | 883.1 | 856.5 | 822.5 | 783.9 | 749.6 | 715.2 | 684.6 | 655.6 | 626.8 | 604.9 |
| 20° | 912.8 | 884.9 | 856.8 | 823.7 | 783.9 | 743.1 | 708.8 | 670.1 | 638.3 | 608.3 | 579.9 |
| 22.5° | 911.8 | 879.4 | 848.2 | 813.8 | 775.2 | 738.4 | 695.2 | 655.6 | 620.4 | 591.0 | 561.0 |
| 25° | 905.0 | 871.3 | 833.0 | 798.7 | 760.4 | 720.5 | 678.5 | 637.7 | 602.4 | 568.7 | 539.4 |
| 27.5° | 901.0 | 858.4 | 816.3 | 776.8 | 740.0 | 703.2 | 662.4 | 620.4 | 581.7 | 547.4 | 520.2 |
| 30° | 892.1 | 844.1 | 795.3 | 753.6 | 715.6 | 680.0 | 642.0 | 601.2 | 560.4 | 527.0 | 497.3 |
| 32.5° | 884.0 | 826.2 | 774.0 | 727.6 | 686.8 | 652.5 | 618.2 | 579.9 | 540.0 | 506.0 | 476.3 |
| 35° | 873.2 | 808.6 | 749.6 | 698.2 | 655.3 | 619.7 | 590.4 | 554.2 | 517.4 | 484.7 | 456.2 |
| 37.5° | 860.5 | 785.7 | 723.3 | 669.8 | 623.1 | 586.0 | 558.2 | 530.1 | 493.3 | 461.2 | 435.8 |
| 40° | 845.1 | 761.0 | 693.9 | 638.9 | 590.1 | 551.1 | 525.8 | 499.5 | 470.1 | 440.8 | 413.6 |
| 42.5° | 825.6 | 738.7 | 664.2 | 604.0 | 555.8 | 518.0 | 491.2 | 469.8 | 444.8 | 417.9 | 393.2 |
| 45° | 800.9 | 710.9 | 631.8 | 568.1 | 519.3 | 481.9 | 454.4 | 437.7 | 418.2 | 392.2 | 370.9 |
| 47.5° | 768.1 | 679.4 | 597.8 | 532.0 | 481.6 | 447.0 | 420.7 | 404.3 | 390.1 | 369.7 | 349.6 |
| 50° | 721.4 | 643.2 | 560.4 | 495.2 | 444.8 | 409.9 | 386.1 | 371.5 | 359.8 | 345.0 | 328.6 |
| 52.5° | 669.2 | 597.8 | 523.6 | 459.3 | 409.6 | 375.2 | 352.1 | 339.7 | 330.4 | 320.8 | 304.8 |
| 55° | 613.2 | 551.4 | 481.0 | 419.8 | 373.7 | 340.0 | 319.6 | 308.5 | 300.4 | 292.4 | 282.5 |
| 57.5° | 553.0 | 502.9 | 438.3 | 381.1 | 338.5 | 306.9 | 287.8 | 276.3 | 269.8 | 265.5 | 259.3 |
| 60° | 488.7 | 447.3 | 393.5 | 342.5 | 301.1 | 273.9 | 255.3 | 247.0 | 241.7 | 238.3 | 234.0 |
| 62.5° | 429.0 | 396.9 | 348.0 | 302.6 | 267.7 | 242.3 | 226.3 | 218.2 | 213.3 | 212.0 | 208.6 |
| 65° | 370.6 | 344.3 | 303.2 | 264.6 | 233.7 | 211.7 | 197.8 | 190.1 | 187.0 | 185.1 | 185.5 |
| 67.5° | 311.9 | 294.9 | 260.6 | 226.6 | 201.2 | 181.7 | 170.3 | 164.4 | 162.9 | 160.1 | 160.1 |
| 70° | 259.0 | 247.0 | 219.1 | 190.4 | 168.5 | 154.2 | 144.3 | 138.2 | 136.6 | 135.4 | 135.1 |
| 72.5° | 212.3 | 202.1 | 179.0 | 157.3 | 138.2 | 126.1 | 118.4 | 115.3 | 112.5 | 111.9 | 111.9 |
| 75° | 166.6 | 160.7 | 141.6 | 123.3 | 109.7 | 101.1 | 95.5 | 92.1 | 90.3 | 89.9 | 90.3 |
| 77.5° | 125.8 | 120.2 | 106.9 | 93.3 | 84.4 | 77.6 | 72.3 | 71.4 | 68.9 | 69.2 | 68.6 |
| 80° | 89.0 | 85.6 | 77.9 | 67.7 | 60.6 | 55.0 | 52.5 | 50.4 | 49.8 | 48.8 | 49.8 |
| 82.5° | 58.4 | 54.7 | 50.1 | 44.5 | 38.9 | 36.2 | 33.7 | 33.4 | 33.1 | 32.8 | 32.8 |
| 85° | 31.8 | 32.1 | 29.1 | 24.1 | 21.6 | 19.8 | 18.2 | 18.2 | 17.9 | 17.6 | 17.9 |
| 87.5° | 13.6 | 13.0 | 11.7 | 10.8 | 9.3 | 8.3 | 8.0 | 8.3 | 7.4 | 7.1 | 7.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P242826

CATALOG NUMBER: S125DR-S610D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 | 728.2 |
| 2.5° | 712.5 | 709.1 | 706.3 | 700.1 | 696.7 | 692.1 | 688.4 | 692.4 | 688.0 | 689.9 | 687.1 |
| 5° | 693.3 | 684.6 | 678.5 | 669.5 | 661.8 | 654.7 | 649.4 | 648.5 | 646.0 | 644.8 | 641.1 |
| 7.5° | 670.4 | 660.5 | 650.3 | 639.2 | 629.9 | 620.0 | 614.2 | 608.6 | 605.2 | 600.9 | 597.5 |
| 10° | 650.6 | 636.1 | 623.8 | 609.5 | 597.2 | 586.4 | 577.7 | 573.4 | 569.4 | 563.5 | 561.3 |
| 12.5° | 626.2 | 611.1 | 595.3 | 579.9 | 568.1 | 555.8 | 548.6 | 541.5 | 539.1 | 532.3 | 532.0 |
| 15° | 607.7 | 585.1 | 570.3 | 554.8 | 538.4 | 528.6 | 522.4 | 515.3 | 512.2 | 507.5 | 504.1 |
| 17.5° | 584.8 | 564.4 | 545.9 | 530.1 | 515.3 | 507.2 | 499.2 | 494.2 | 489.0 | 485.6 | 480.0 |
| 20° | 559.5 | 540.3 | 521.8 | 504.8 | 493.9 | 484.4 | 478.2 | 473.5 | 468.0 | 466.4 | 460.9 |
| 22.5° | 538.1 | 516.5 | 498.9 | 485.3 | 473.2 | 462.1 | 455.3 | 452.5 | 449.1 | 443.6 | 443.6 |
| 25° | 514.6 | 492.7 | 477.6 | 463.3 | 452.8 | 442.9 | 438.3 | 434.3 | 430.6 | 427.2 | 425.9 |
| 27.5° | 494.9 | 475.4 | 456.8 | 443.9 | 434.9 | 425.6 | 421.6 | 416.4 | 413.6 | 410.8 | 407.1 |
| 30° | 473.8 | 453.8 | 438.0 | 425.6 | 415.7 | 407.7 | 403.4 | 400.0 | 397.5 | 395.0 | 393.2 |
| 32.5° | 452.2 | 434.0 | 418.8 | 406.8 | 396.9 | 391.3 | 387.6 | 385.4 | 382.7 | 379.6 | 377.1 |
| 35° | 433.7 | 413.3 | 398.4 | 387.9 | 380.2 | 375.6 | 371.2 | 369.1 | 366.0 | 366.0 | 363.5 |
| 37.5° | 411.7 | 393.8 | 380.5 | 370.9 | 364.1 | 359.8 | 354.8 | 353.6 | 351.4 | 350.2 | 349.3 |
| 40° | 392.6 | 376.2 | 363.8 | 354.2 | 346.8 | 343.4 | 339.7 | 337.2 | 336.0 | 334.4 | 333.8 |
| 42.5° | 372.8 | 357.3 | 345.6 | 336.9 | 330.7 | 328.0 | 324.6 | 323.0 | 320.2 | 318.1 | 317.8 |
| 45° | 352.7 | 337.5 | 326.7 | 319.6 | 314.0 | 310.6 | 308.5 | 304.8 | 303.5 | 301.1 | 300.8 |
| 47.5° | 334.1 | 319.3 | 308.5 | 302.6 | 297.7 | 295.2 | 291.8 | 287.8 | 286.2 | 284.7 | 284.4 |
| 50° | 312.8 | 299.5 | 289.6 | 284.1 | 279.4 | 275.4 | 272.0 | 269.5 | 268.6 | 268.6 | 269.2 |
| 52.5° | 291.2 | 280.3 | 272.3 | 265.2 | 260.9 | 256.5 | 253.5 | 252.2 | 250.7 | 252.5 | 253.8 |
| 55° | 270.1 | 258.7 | 252.5 | 246.0 | 241.7 | 236.8 | 235.2 | 234.6 | 233.7 | 236.1 | 237.4 |
| 57.5° | 247.6 | 239.9 | 232.4 | 225.6 | 221.9 | 218.8 | 216.4 | 216.1 | 217.9 | 218.5 | 222.2 |
| 60° | 226.3 | 217.0 | 210.5 | 205.5 | 200.9 | 199.1 | 198.4 | 197.8 | 199.1 | 202.5 | 207.7 |
| 62.5° | 202.8 | 195.7 | 188.5 | 185.1 | 182.1 | 178.7 | 178.7 | 179.3 | 182.1 | 186.1 | 191.3 |
| 65° | 179.9 | 173.4 | 168.8 | 164.4 | 161.7 | 159.8 | 160.4 | 161.7 | 164.4 | 169.7 | 175.6 |
| 67.5° | 156.4 | 152.1 | 147.7 | 143.7 | 140.9 | 141.3 | 141.6 | 143.1 | 146.5 | 152.7 | 158.3 |
| 70° | 133.8 | 128.9 | 125.5 | 123.9 | 121.8 | 120.5 | 122.4 | 125.5 | 128.3 | 133.8 | 138.5 |
| 72.5° | 111.3 | 107.3 | 104.8 | 103.9 | 103.2 | 102.3 | 102.6 | 106.0 | 110.0 | 115.6 | 121.2 |
| 75° | 89.0 | 87.5 | 85.6 | 84.4 | 83.5 | 84.1 | 84.7 | 87.8 | 90.9 | 96.7 | 102.9 |
| 77.5° | 68.9 | 67.1 | 65.8 | 65.5 | 64.9 | 65.2 | 66.8 | 69.2 | 72.3 | 76.7 | 81.6 |
| 80° | 49.1 | 48.5 | 47.9 | 47.6 | 47.6 | 47.9 | 50.4 | 51.9 | 54.7 | 58.7 | 62.4 |
| 82.5° | 32.5 | 32.1 | 32.1 | 32.1 | 32.5 | 32.5 | 33.7 | 35.9 | 38.0 | 40.8 | 43.9 |
| 85° | 18.9 | 18.2 | 19.2 | 19.5 | 18.9 | 19.8 | 20.4 | 21.6 | 22.6 | 24.1 | 25.7 |
| 87.5° | 7.7 | 8.3 | 8.0 | 8.3 | 8.3 | 9.0 | 8.7 | 9.9 | 10.5 | 11.1 | 10.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P242826

CATALOG NUMBER: S125DR-S610D935-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 728.2 | 728.2 | 728.2 | 728.2 |
| 2.5° | 685.3 | 687.4 | 685.6 | 688.0 |
| 5° | 639.5 | 636.7 | 638.6 | 637.4 |
| 7.5° | 597.2 | 594.7 | 591.0 | 589.8 |
| 10° | 557.9 | 554.5 | 554.2 | 552.0 |
| 12.5° | 529.2 | 526.1 | 521.8 | 521.1 |
| 15° | 502.3 | 499.8 | 497.6 | 499.5 |
| 17.5° | 479.4 | 477.2 | 476.6 | 474.8 |
| 20° | 458.1 | 456.5 | 457.2 | 453.1 |
| 22.5° | 441.1 | 437.7 | 437.1 | 437.1 |
| 25° | 423.2 | 421.6 | 420.1 | 421.6 |
| 27.5° | 407.4 | 405.8 | 405.2 | 405.5 |
| 30° | 393.2 | 390.1 | 390.4 | 390.1 |
| 32.5° | 377.7 | 375.9 | 375.2 | 374.6 |
| 35° | 362.6 | 362.6 | 361.0 | 361.0 |
| 37.5° | 348.7 | 348.4 | 347.4 | 348.0 |
| 40° | 332.6 | 332.3 | 331.4 | 329.5 |
| 42.5° | 317.1 | 315.9 | 315.6 | 315.3 |
| 45° | 300.8 | 300.8 | 300.1 | 299.8 |
| 47.5° | 284.7 | 285.3 | 286.5 | 286.2 |
| 50° | 270.5 | 270.8 | 271.7 | 272.0 |
| 52.5° | 254.7 | 256.9 | 258.1 | 257.8 |
| 55° | 240.2 | 242.3 | 244.5 | 244.8 |
| 57.5° | 225.6 | 228.4 | 230.6 | 231.2 |
| 60° | 210.8 | 214.8 | 217.6 | 218.8 |
| 62.5° | 196.6 | 201.2 | 204.0 | 204.0 |
| 65° | 180.8 | 185.5 | 187.9 | 189.8 |
| 67.5° | 164.4 | 169.1 | 171.5 | 173.1 |
| 70° | 146.2 | 150.8 | 154.5 | 155.8 |
| 72.5° | 128.3 | 132.3 | 135.1 | 136.6 |
| 75° | 106.9 | 112.5 | 115.3 | 116.8 |
| 77.5° | 86.5 | 92.1 | 93.7 | 94.6 |
| 80° | 66.1 | 69.2 | 71.4 | 71.7 |
| 82.5° | 47.0 | 49.5 | 49.8 | 50.7 |
| 85° | 27.8 | 29.1 | 29.4 | 29.1 |
| 87.5° | 11.4 | 11.1 | 11.1 | 11.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)