

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: P334381

Luminaire Tested: **S125RDW-S610D840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-32)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDW-S610D840-4F0-1E-UDD-A
Description: DEFINE 5 REGRESSED DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 610 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2288.1 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.21 / 1.48
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Direct

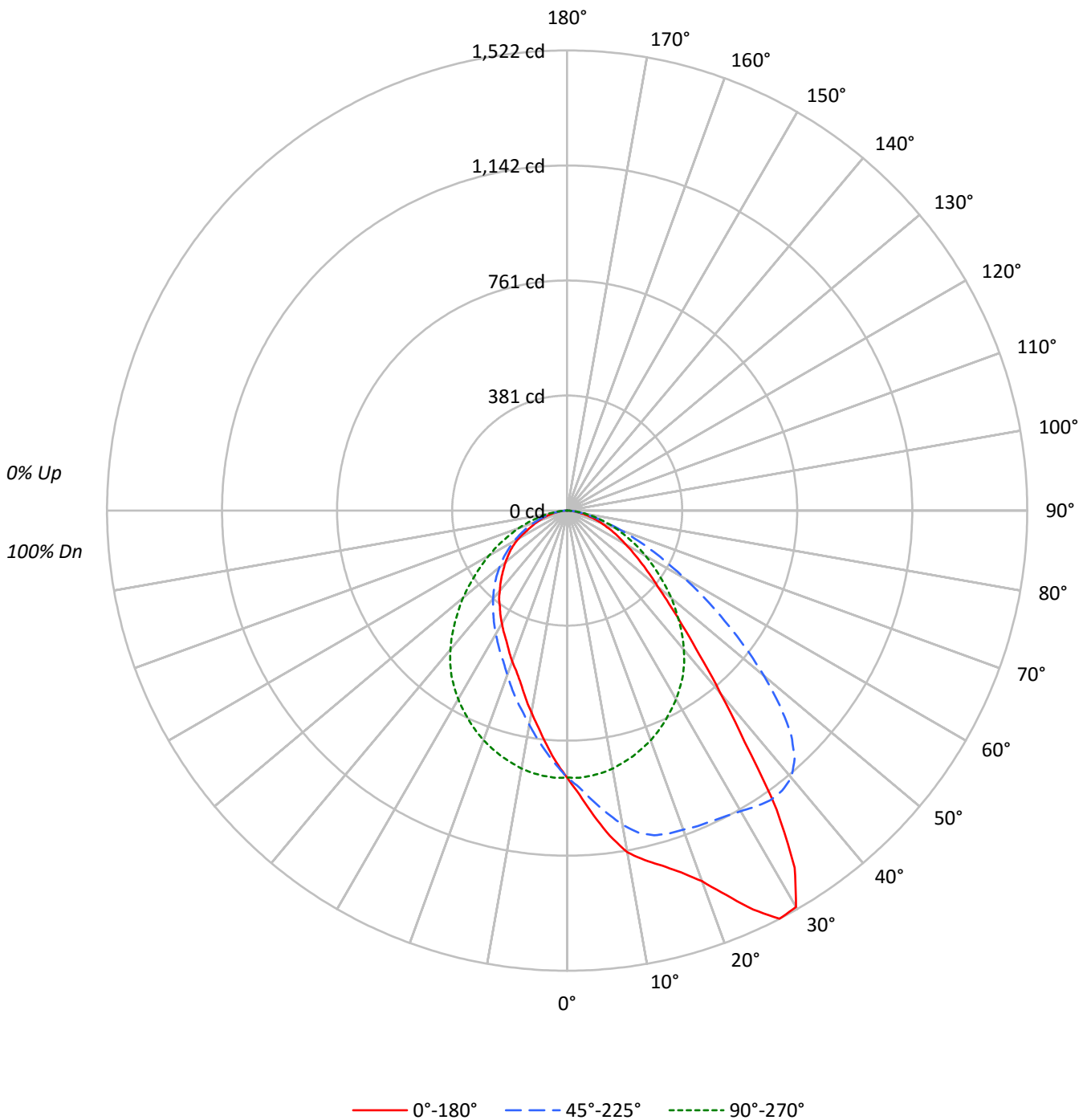
Input Watts (W): 18.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P334381

CATALOG NUMBER: S125RDW-S610D840-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P334381

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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 | 110 | 106 | 102 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | 86 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 78 | 75 | 73 |
| 3 | 92 | 83 | 75 | 69 | 90 | 81 | 74 | 69 | 78 | 72 | 67 | 76 | 70 | 66 | 73 | 69 | 65 | 63 |
| 4 | 85 | 74 | 66 | 59 | 83 | 73 | 65 | 59 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 55 |
| 5 | 79 | 66 | 58 | 52 | 77 | 65 | 57 | 51 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 48 |
| 6 | 73 | 60 | 52 | 45 | 71 | 59 | 51 | 45 | 57 | 50 | 45 | 56 | 49 | 44 | 54 | 49 | 44 | 42 |
| 7 | 68 | 55 | 46 | 40 | 66 | 54 | 46 | 40 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 39 | 37 |
| 8 | 63 | 50 | 42 | 36 | 61 | 49 | 42 | 36 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 34 |
| 9 | 59 | 46 | 38 | 33 | 58 | 45 | 38 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 |
| 10 | 55 | 42 | 35 | 30 | 54 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 29 | 39 | 33 | 29 | 28 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|------|------|
| 0° | 5703 | 5703 | 5703 |
| 5° | 6562 | 5712 | 5044 |
| 10° | 7527 | 5682 | 4451 |
| 15° | 8130 | 5624 | 3956 |
| 20° | 8965 | 5556 | 3653 |
| 25° | 10375 | 5466 | 3389 |
| 30° | 11290 | 5372 | 3217 |
| 35° | 9524 | 5262 | 3058 |
| 40° | 6651 | 5064 | 2922 |
| 45° | 4934 | 4798 | 2788 |
| 50° | 3934 | 4520 | 2674 |
| 55° | 3340 | 4176 | 2572 |
| 60° | 2884 | 3869 | 2406 |
| 65° | 2570 | 3535 | 2072 |
| 70° | 2258 | 3238 | 1890 |
| 75° | 1954 | 2805 | 1774 |
| 80° | 1484 | 2358 | 1484 |
| 85° | 1237 | 1853 | 1401 |



TEST NUMBER: P334381

CATALOG NUMBER: S125RDW-S610D840-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 84.7 | 3.7 |
| 10°-20° | 248.3 | 10.9 |
| 20°-30° | 393.7 | 17.2 |
| 30°-40° | 475.7 | 20.8 |
| 40°-50° | 423.6 | 18.5 |
| 50°-60° | 324.8 | 14.2 |
| 60°-70° | 210.9 | 9.2 |
| 70°-80° | 102.4 | 4.5 |
| 80°-90° | 24.1 | 1.1 |
| 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° | 726.6 | 31.8 |
| 0°-40° | 1202.4 | 52.5 |
| 0°-60° | 1950.8 | 85.3 |
| 0°-90° | 2288.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2288.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 883 | 883 | 883 | 883 | 883 | |
| 5° | 1012 | 962 | 881 | 800 | 778 | 101 |
| 15° | 1216 | 1112 | 841 | 648 | 592 | 348 |
| 25° | 1456 | 1133 | 767 | 522 | 476 | 670 |
| 35° | 1208 | 1170 | 667 | 425 | 388 | 732 |
| 45° | 540 | 1048 | 525 | 337 | 305 | 428 |
| 55° | 297 | 636 | 371 | 247 | 228 | 269 |
| 65° | 168 | 303 | 231 | 158 | 136 | 167 |
| 75° | 78 | 106 | 112 | 78 | 71 | 83 |
| 85° | 17 | 18 | 25 | 20 | 19 | 20 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P334381

CATALOG NUMBER: S125RDW-S610D840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 |
| 2.5° | 940.4 | 939.7 | 941.1 | 937.1 | 937.5 | 931.3 | 931.3 | 926.6 | 920.5 | 915.8 | 913.6 |
| 5° | 1012.2 | 1012.9 | 1011.5 | 1006.0 | 1002.4 | 997.0 | 990.8 | 979.9 | 970.9 | 962.2 | 955.3 |
| 7.5° | 1085.4 | 1086.1 | 1081.4 | 1080.3 | 1070.9 | 1065.1 | 1051.3 | 1037.2 | 1024.9 | 1008.6 | 997.0 |
| 10° | 1147.8 | 1147.4 | 1142.3 | 1138.4 | 1130.4 | 1120.2 | 1106.8 | 1089.4 | 1073.1 | 1055.0 | 1037.6 |
| 12.5° | 1184.0 | 1182.9 | 1182.2 | 1177.1 | 1169.9 | 1161.2 | 1150.3 | 1133.3 | 1112.3 | 1091.9 | 1070.9 |
| 15° | 1215.9 | 1213.4 | 1208.7 | 1202.5 | 1192.0 | 1181.5 | 1168.8 | 1153.6 | 1134.4 | 1111.9 | 1093.0 |
| 17.5° | 1254.4 | 1254.7 | 1247.5 | 1241.0 | 1227.2 | 1209.8 | 1190.9 | 1167.7 | 1143.1 | 1120.2 | 1101.4 |
| 20° | 1304.4 | 1303.3 | 1296.1 | 1279.4 | 1263.1 | 1239.9 | 1217.4 | 1187.3 | 1155.4 | 1123.1 | 1098.1 |
| 22.5° | 1376.2 | 1372.9 | 1365.3 | 1342.1 | 1314.5 | 1283.0 | 1245.7 | 1207.2 | 1167.0 | 1129.3 | 1094.5 |
| 25° | 1455.9 | 1453.8 | 1438.9 | 1413.5 | 1378.0 | 1331.9 | 1287.0 | 1236.6 | 1181.1 | 1132.9 | 1093.0 |
| 27.5° | 1521.9 | 1517.6 | 1504.1 | 1480.2 | 1445.4 | 1395.8 | 1333.8 | 1268.5 | 1202.5 | 1139.1 | 1084.3 |
| 30° | 1513.9 | 1519.4 | 1517.9 | 1508.1 | 1483.5 | 1440.0 | 1383.8 | 1308.0 | 1225.7 | 1147.8 | 1079.3 |
| 32.5° | 1400.1 | 1404.8 | 1421.1 | 1447.6 | 1455.6 | 1444.7 | 1406.3 | 1337.7 | 1251.8 | 1160.5 | 1075.3 |
| 35° | 1208.0 | 1214.5 | 1239.1 | 1277.9 | 1328.7 | 1371.1 | 1379.8 | 1342.1 | 1265.6 | 1170.3 | 1071.3 |
| 37.5° | 963.6 | 1006.0 | 1022.7 | 1062.2 | 1142.0 | 1219.2 | 1286.3 | 1301.5 | 1260.2 | 1168.1 | 1066.6 |
| 40° | 788.9 | 797.6 | 834.6 | 880.6 | 945.1 | 1026.3 | 1133.3 | 1210.5 | 1213.0 | 1153.6 | 1051.3 |
| 42.5° | 646.8 | 658.4 | 680.8 | 715.3 | 768.2 | 849.4 | 960.7 | 1068.7 | 1127.1 | 1113.7 | 1031.4 |
| 45° | 540.2 | 548.5 | 567.0 | 595.3 | 637.7 | 704.8 | 799.7 | 917.6 | 1011.1 | 1047.7 | 992.6 |
| 47.5° | 456.8 | 461.1 | 478.2 | 501.0 | 533.6 | 584.4 | 661.6 | 768.2 | 879.5 | 953.8 | 939.3 |
| 50° | 391.5 | 396.6 | 408.9 | 425.3 | 451.7 | 493.0 | 551.8 | 637.0 | 752.6 | 848.7 | 867.9 |
| 52.5° | 340.8 | 344.8 | 351.3 | 366.5 | 387.2 | 416.6 | 461.1 | 536.2 | 637.3 | 741.0 | 791.8 |
| 55° | 296.6 | 299.5 | 305.6 | 314.3 | 331.7 | 354.6 | 395.5 | 448.8 | 532.9 | 635.9 | 701.1 |
| 57.5° | 258.8 | 260.3 | 263.9 | 272.6 | 285.3 | 302.4 | 333.5 | 382.1 | 443.0 | 539.8 | 611.6 |
| 60° | 223.3 | 224.8 | 229.8 | 235.3 | 244.7 | 259.9 | 283.1 | 314.7 | 372.7 | 449.2 | 522.0 |
| 62.5° | 195.0 | 195.8 | 197.2 | 202.7 | 210.6 | 221.5 | 238.5 | 262.8 | 306.0 | 370.9 | 438.7 |
| 65° | 168.2 | 168.6 | 169.3 | 173.7 | 178.7 | 187.4 | 199.4 | 217.5 | 252.3 | 303.1 | 364.0 |
| 67.5° | 141.4 | 142.1 | 144.7 | 146.1 | 152.3 | 156.6 | 164.2 | 178.7 | 205.6 | 241.8 | 291.1 |
| 70° | 119.6 | 119.3 | 121.8 | 123.6 | 125.4 | 130.9 | 135.6 | 146.8 | 162.1 | 188.2 | 227.7 |
| 72.5° | 99.3 | 98.2 | 99.0 | 99.3 | 101.9 | 105.1 | 109.8 | 115.6 | 126.5 | 142.5 | 170.4 |
| 75° | 78.3 | 78.7 | 78.7 | 79.4 | 81.2 | 82.7 | 84.1 | 87.7 | 94.3 | 106.2 | 122.5 |
| 77.5° | 58.7 | 58.0 | 59.8 | 59.8 | 61.3 | 63.1 | 64.2 | 65.6 | 68.2 | 73.6 | 83.4 |
| 80° | 39.9 | 39.9 | 40.2 | 41.3 | 41.0 | 41.7 | 43.5 | 45.0 | 48.2 | 51.1 | 54.0 |
| 82.5° | 28.3 | 27.9 | 28.3 | 28.3 | 28.3 | 29.0 | 29.4 | 29.4 | 30.1 | 31.2 | 33.0 |
| 85° | 16.7 | 16.7 | 17.0 | 17.0 | 17.4 | 17.4 | 17.8 | 17.8 | 17.8 | 18.1 | 18.5 |
| 87.5° | 8.0 | 7.6 | 7.3 | 7.3 | 7.6 | 8.3 | 8.0 | 7.6 | 7.6 | 7.6 | 8.0 |
| 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: P334381

CATALOG NUMBER: S125RDW-S610D840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 |
| 2.5° | 913.6 | 911.0 | 906.3 | 902.0 | 896.5 | 891.8 | 888.6 | 884.6 | 879.5 | 873.3 | 868.3 |
| 5° | 947.7 | 939.7 | 929.2 | 920.1 | 908.5 | 899.4 | 890.0 | 881.0 | 871.9 | 860.3 | 850.1 |
| 7.5° | 985.4 | 969.8 | 955.3 | 936.4 | 919.4 | 904.5 | 890.0 | 875.2 | 861.0 | 845.1 | 830.2 |
| 10° | 1019.4 | 999.5 | 977.4 | 952.0 | 928.8 | 906.7 | 886.4 | 866.5 | 845.4 | 826.9 | 807.0 |
| 12.5° | 1051.3 | 1024.2 | 998.1 | 964.3 | 935.3 | 907.1 | 879.9 | 853.8 | 830.9 | 805.5 | 783.8 |
| 15° | 1068.0 | 1042.6 | 1014.4 | 975.2 | 936.4 | 903.8 | 873.3 | 841.1 | 813.2 | 786.3 | 762.4 |
| 17.5° | 1077.8 | 1051.0 | 1018.4 | 980.3 | 938.6 | 898.0 | 859.6 | 825.1 | 793.2 | 762.4 | 735.9 |
| 20° | 1073.5 | 1047.7 | 1014.0 | 978.1 | 932.8 | 890.0 | 847.6 | 808.4 | 771.8 | 738.8 | 710.2 |
| 22.5° | 1062.9 | 1036.1 | 1003.9 | 965.4 | 923.0 | 877.0 | 830.9 | 788.5 | 749.7 | 715.3 | 683.4 |
| 25° | 1052.4 | 1016.2 | 982.8 | 945.8 | 904.9 | 859.9 | 813.2 | 767.1 | 726.2 | 691.4 | 657.3 |
| 27.5° | 1042.3 | 998.4 | 957.1 | 921.6 | 877.7 | 837.1 | 791.4 | 743.9 | 701.1 | 666.0 | 631.2 |
| 30° | 1027.4 | 976.7 | 929.9 | 888.2 | 847.2 | 809.2 | 766.4 | 720.4 | 676.1 | 639.5 | 604.0 |
| 32.5° | 1008.9 | 954.2 | 901.6 | 852.0 | 812.8 | 775.1 | 737.4 | 693.9 | 651.1 | 613.0 | 576.8 |
| 35° | 994.1 | 925.2 | 869.4 | 818.2 | 774.4 | 737.8 | 703.0 | 667.4 | 624.3 | 585.1 | 550.0 |
| 37.5° | 973.4 | 897.6 | 834.6 | 778.7 | 733.0 | 696.8 | 668.9 | 635.2 | 594.9 | 556.9 | 524.2 |
| 40° | 954.9 | 867.2 | 796.5 | 741.4 | 692.8 | 654.0 | 628.3 | 600.7 | 564.8 | 529.7 | 497.0 |
| 42.5° | 930.3 | 839.3 | 758.1 | 700.1 | 651.1 | 614.1 | 588.0 | 564.8 | 536.2 | 503.6 | 468.0 |
| 45° | 896.5 | 801.6 | 718.5 | 656.9 | 607.6 | 571.0 | 546.7 | 525.3 | 502.5 | 472.0 | 441.6 |
| 47.5° | 856.3 | 765.7 | 678.3 | 610.5 | 563.0 | 528.6 | 504.6 | 486.9 | 470.2 | 443.7 | 412.9 |
| 50° | 805.9 | 719.3 | 634.4 | 569.2 | 517.7 | 485.4 | 463.3 | 449.9 | 435.0 | 411.5 | 386.8 |
| 52.5° | 746.5 | 671.4 | 588.8 | 521.7 | 473.8 | 444.1 | 423.1 | 409.7 | 398.1 | 379.9 | 356.7 |
| 55° | 683.4 | 615.6 | 539.4 | 478.9 | 434.3 | 403.9 | 383.6 | 370.9 | 363.6 | 347.3 | 328.8 |
| 57.5° | 612.0 | 559.8 | 490.9 | 431.8 | 391.5 | 361.1 | 345.9 | 334.6 | 326.3 | 314.3 | 300.5 |
| 60° | 536.5 | 502.5 | 442.3 | 386.8 | 350.6 | 321.9 | 308.5 | 299.5 | 291.8 | 282.1 | 271.9 |
| 62.5° | 460.1 | 437.6 | 387.2 | 341.5 | 308.9 | 286.0 | 273.7 | 265.7 | 256.7 | 250.9 | 241.1 |
| 65° | 393.3 | 371.2 | 335.0 | 297.6 | 266.8 | 247.6 | 238.5 | 231.3 | 225.9 | 218.6 | 211.7 |
| 67.5° | 319.4 | 309.2 | 282.4 | 254.5 | 232.0 | 213.5 | 205.6 | 199.8 | 193.6 | 189.2 | 184.2 |
| 70° | 252.3 | 248.0 | 230.2 | 213.2 | 192.5 | 180.9 | 173.7 | 171.5 | 163.5 | 159.2 | 155.9 |
| 72.5° | 192.9 | 191.4 | 183.1 | 172.6 | 159.5 | 149.7 | 143.2 | 140.7 | 136.3 | 133.0 | 131.2 |
| 75° | 140.3 | 141.0 | 139.2 | 131.6 | 126.2 | 119.6 | 113.8 | 112.4 | 108.8 | 105.9 | 104.0 |
| 77.5° | 95.7 | 99.3 | 98.6 | 98.2 | 95.7 | 91.0 | 88.5 | 87.4 | 83.4 | 82.3 | 81.9 |
| 80° | 60.9 | 64.9 | 68.5 | 68.2 | 67.4 | 66.3 | 64.5 | 63.4 | 61.6 | 60.5 | 59.8 |
| 82.5° | 35.5 | 39.2 | 42.1 | 44.6 | 44.6 | 43.5 | 42.4 | 42.1 | 42.1 | 41.3 | 41.3 |
| 85° | 19.2 | 19.9 | 21.0 | 23.6 | 25.4 | 25.7 | 25.4 | 25.0 | 23.9 | 24.3 | 24.7 |
| 87.5° | 8.3 | 8.3 | 8.7 | 8.7 | 8.3 | 10.2 | 11.2 | 11.6 | 10.9 | 10.2 | 9.4 |
| 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: P334381

CATALOG NUMBER: S125RDW-S610D840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 | 883.1 |
| 2.5° | 864.6 | 859.6 | 855.9 | 848.7 | 843.6 | 841.4 | 837.5 | 836.4 | 840.4 | 837.5 | 837.1 |
| 5° | 842.5 | 832.0 | 823.7 | 815.3 | 806.3 | 800.5 | 791.8 | 790.3 | 788.1 | 784.9 | 784.2 |
| 7.5° | 816.8 | 803.7 | 793.9 | 780.2 | 768.9 | 759.9 | 749.0 | 744.6 | 742.5 | 738.5 | 732.0 |
| 10° | 790.7 | 774.4 | 759.9 | 746.1 | 731.2 | 719.3 | 708.4 | 700.1 | 694.6 | 689.5 | 687.4 |
| 12.5° | 764.9 | 748.3 | 728.7 | 711.3 | 694.3 | 680.5 | 668.1 | 663.4 | 657.3 | 651.1 | 645.3 |
| 15° | 738.1 | 716.0 | 695.7 | 676.5 | 662.3 | 647.8 | 636.2 | 628.3 | 619.2 | 616.7 | 606.9 |
| 17.5° | 709.5 | 688.8 | 664.9 | 644.2 | 628.3 | 613.0 | 600.4 | 590.9 | 584.0 | 574.3 | 569.5 |
| 20° | 683.0 | 657.3 | 634.1 | 615.6 | 597.5 | 578.6 | 565.6 | 557.9 | 551.4 | 543.8 | 540.2 |
| 22.5° | 654.7 | 629.7 | 605.8 | 583.3 | 564.8 | 546.3 | 538.0 | 530.0 | 522.4 | 515.5 | 510.4 |
| 25° | 627.2 | 601.8 | 576.8 | 554.3 | 535.1 | 521.7 | 510.8 | 501.7 | 497.8 | 490.9 | 485.8 |
| 27.5° | 599.6 | 572.8 | 547.4 | 523.9 | 509.0 | 495.6 | 486.9 | 479.6 | 472.0 | 465.9 | 461.1 |
| 30° | 573.2 | 545.6 | 517.3 | 499.6 | 483.6 | 470.9 | 461.1 | 454.3 | 448.8 | 443.4 | 440.1 |
| 32.5° | 546.7 | 518.1 | 493.8 | 474.2 | 459.3 | 448.8 | 438.7 | 432.1 | 426.3 | 420.2 | 416.2 |
| 35° | 518.1 | 489.1 | 468.8 | 449.9 | 435.0 | 424.9 | 418.0 | 408.6 | 403.9 | 399.5 | 395.5 |
| 37.5° | 492.3 | 464.8 | 442.3 | 426.0 | 412.2 | 402.4 | 393.3 | 388.6 | 382.5 | 378.8 | 375.6 |
| 40° | 463.3 | 438.7 | 418.7 | 401.3 | 391.9 | 380.7 | 372.3 | 365.8 | 361.4 | 356.4 | 352.7 |
| 42.5° | 437.2 | 414.7 | 395.5 | 380.3 | 368.0 | 358.9 | 350.9 | 344.4 | 338.6 | 335.3 | 332.4 |
| 45° | 412.9 | 390.1 | 371.2 | 356.7 | 345.9 | 336.8 | 328.5 | 325.2 | 317.9 | 313.6 | 312.1 |
| 47.5° | 387.5 | 366.9 | 348.4 | 335.0 | 323.7 | 315.4 | 307.4 | 300.2 | 296.6 | 292.2 | 290.0 |
| 50° | 361.8 | 342.2 | 325.2 | 312.1 | 301.3 | 291.8 | 284.6 | 280.2 | 274.8 | 270.8 | 267.9 |
| 52.5° | 336.1 | 318.3 | 301.3 | 288.9 | 279.9 | 270.4 | 262.1 | 257.8 | 252.7 | 250.5 | 248.7 |
| 55° | 311.8 | 292.6 | 278.1 | 265.7 | 255.9 | 247.2 | 239.6 | 235.3 | 232.0 | 229.5 | 228.8 |
| 57.5° | 283.9 | 268.3 | 254.5 | 243.6 | 233.1 | 224.8 | 217.9 | 213.9 | 211.0 | 210.6 | 208.1 |
| 60° | 256.7 | 242.9 | 230.6 | 218.6 | 209.9 | 202.3 | 196.5 | 191.8 | 188.9 | 188.5 | 187.8 |
| 62.5° | 229.5 | 216.4 | 205.2 | 195.0 | 187.4 | 180.2 | 174.7 | 169.3 | 167.9 | 165.7 | 163.9 |
| 65° | 202.7 | 190.7 | 181.3 | 172.9 | 164.6 | 158.4 | 153.0 | 149.7 | 145.7 | 143.6 | 139.6 |
| 67.5° | 176.2 | 166.4 | 157.3 | 150.5 | 143.6 | 137.4 | 132.7 | 128.0 | 125.1 | 123.3 | 120.0 |
| 70° | 150.1 | 142.8 | 133.8 | 126.2 | 121.1 | 116.4 | 112.7 | 107.3 | 105.5 | 104.0 | 102.6 |
| 72.5° | 125.4 | 119.3 | 112.0 | 106.2 | 101.1 | 96.8 | 92.4 | 90.6 | 88.8 | 87.4 | 86.6 |
| 75° | 102.6 | 96.4 | 89.9 | 85.6 | 81.9 | 78.3 | 76.1 | 74.3 | 73.6 | 73.2 | 71.8 |
| 77.5° | 79.8 | 76.1 | 70.7 | 66.7 | 64.2 | 62.7 | 60.5 | 59.8 | 60.2 | 58.4 | 58.0 |
| 80° | 57.6 | 55.8 | 51.5 | 50.0 | 48.2 | 46.8 | 45.7 | 43.9 | 42.1 | 41.3 | 40.2 |
| 82.5° | 39.2 | 37.3 | 36.3 | 33.7 | 32.3 | 31.5 | 30.5 | 30.1 | 30.8 | 29.7 | 29.4 |
| 85° | 22.8 | 21.0 | 20.3 | 19.9 | 19.2 | 19.9 | 19.6 | 19.2 | 18.9 | 18.5 | 18.9 |
| 87.5° | 9.1 | 9.1 | 8.7 | 9.4 | 8.3 | 8.7 | 8.7 | 8.3 | 8.3 | 8.3 | 8.0 |
| 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: P334381

CATALOG NUMBER: S125RDW-S610D840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 883.1 | 883.1 | 883.1 | 883.1 |
| 2.5° | 836.7 | 832.7 | 831.7 | 833.1 |
| 5° | 780.5 | 776.9 | 778.7 | 778.0 |
| 7.5° | 733.0 | 728.3 | 722.9 | 724.3 |
| 10° | 682.6 | 679.0 | 676.8 | 678.7 |
| 12.5° | 640.2 | 638.4 | 636.6 | 635.2 |
| 15° | 602.5 | 598.2 | 596.4 | 591.7 |
| 17.5° | 566.3 | 564.8 | 560.1 | 556.9 |
| 20° | 534.7 | 533.3 | 528.6 | 531.5 |
| 22.5° | 508.6 | 505.0 | 504.3 | 502.5 |
| 25° | 484.3 | 479.6 | 477.8 | 475.6 |
| 27.5° | 459.7 | 457.2 | 454.6 | 453.9 |
| 30° | 435.8 | 433.2 | 431.4 | 431.4 |
| 32.5° | 414.4 | 412.6 | 410.7 | 410.4 |
| 35° | 393.7 | 390.8 | 390.1 | 387.9 |
| 37.5° | 372.0 | 369.4 | 369.4 | 369.8 |
| 40° | 351.3 | 349.5 | 349.1 | 346.6 |
| 42.5° | 329.2 | 328.5 | 327.0 | 326.3 |
| 45° | 309.6 | 307.1 | 307.1 | 305.3 |
| 47.5° | 288.9 | 286.8 | 287.1 | 285.0 |
| 50° | 268.3 | 267.2 | 266.8 | 266.1 |
| 52.5° | 247.6 | 247.2 | 249.1 | 247.2 |
| 55° | 229.5 | 228.4 | 230.6 | 228.4 |
| 57.5° | 208.1 | 207.4 | 209.5 | 208.1 |
| 60° | 187.1 | 184.9 | 186.0 | 186.3 |
| 62.5° | 162.1 | 161.0 | 161.7 | 159.5 |
| 65° | 138.9 | 137.8 | 136.3 | 135.6 |
| 67.5° | 120.7 | 117.5 | 117.5 | 118.2 |
| 70° | 100.4 | 100.4 | 100.1 | 100.1 |
| 72.5° | 86.3 | 85.9 | 85.2 | 84.8 |
| 75° | 71.8 | 72.1 | 71.4 | 71.1 |
| 77.5° | 56.2 | 54.4 | 55.1 | 54.4 |
| 80° | 40.2 | 39.9 | 41.0 | 39.9 |
| 82.5° | 29.7 | 29.4 | 29.7 | 29.0 |
| 85° | 19.2 | 18.9 | 18.5 | 18.9 |
| 87.5° | 8.3 | 8.0 | 8.0 | 8.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)