

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: P333678-940

Luminaire Tested: **S125RDIW-S610D1560U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333678-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S610D1560U940-4F0-1E-UDD-F  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7683.7 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

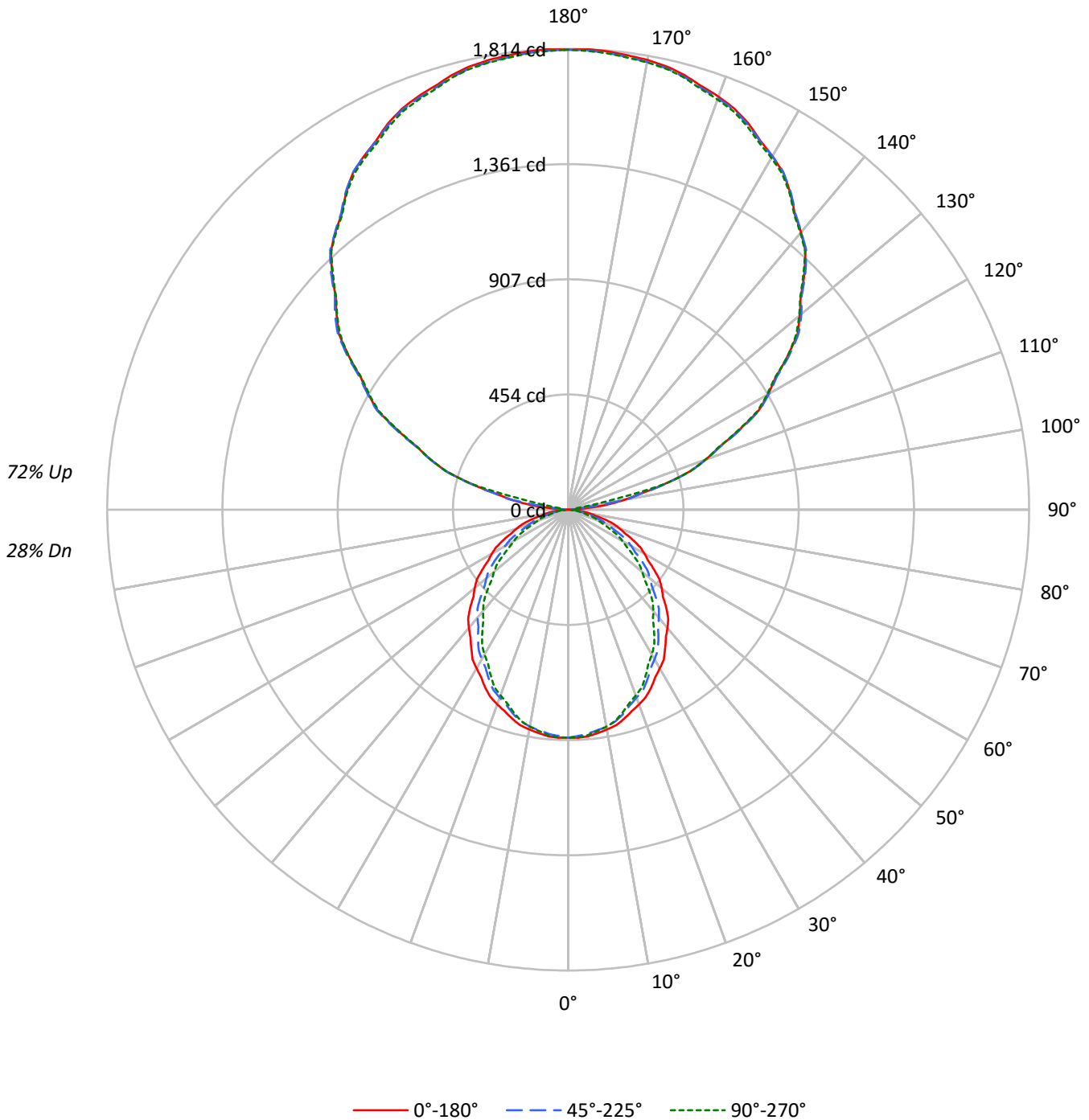
Input Watts (W): 60.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333678-940

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### Luminous Intensity Polar Plot





TEST NUMBER: P333678-940

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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   | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 52 | 52 | 52 | 36 | 36 | 36 | 28 |
| 1   | 93  | 89  | 85  | 82  | 83 | 80 | 76 | 74 | 62 | 60 | 58 | 46 | 45 | 44 | 32 | 31 | 30 | 24 |
| 2   | 85  | 78  | 72  | 67  | 75 | 70 | 65 | 61 | 55 | 51 | 48 | 41 | 39 | 37 | 28 | 27 | 26 | 20 |
| 3   | 77  | 68  | 61  | 56  | 69 | 61 | 55 | 51 | 48 | 44 | 41 | 36 | 33 | 31 | 25 | 23 | 22 | 17 |
| 4   | 71  | 60  | 53  | 47  | 63 | 54 | 48 | 43 | 43 | 38 | 35 | 32 | 29 | 27 | 22 | 20 | 19 | 15 |
| 5   | 65  | 54  | 46  | 40  | 58 | 48 | 42 | 37 | 38 | 33 | 30 | 29 | 26 | 23 | 20 | 18 | 16 | 13 |
| 6   | 60  | 48  | 40  | 35  | 53 | 43 | 37 | 32 | 34 | 29 | 26 | 26 | 23 | 20 | 18 | 16 | 15 | 11 |
| 7   | 55  | 43  | 36  | 30  | 49 | 39 | 32 | 28 | 31 | 26 | 23 | 24 | 20 | 18 | 17 | 15 | 13 | 10 |
| 8   | 51  | 39  | 32  | 27  | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 22 | 18 | 16 | 15 | 13 | 12 | 9  |
| 9   | 47  | 36  | 28  | 24  | 42 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 16 | 14 | 14 | 12 | 10 | 8  |
| 10  | 44  | 33  | 26  | 21  | 39 | 29 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 9  | 7  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5794 | 5794 | 5794 |
| 5°  | 5806 | 5741 | 5776 |
| 10° | 5762 | 5687 | 5687 |
| 15° | 5695 | 5572 | 5526 |
| 20° | 5606 | 5411 | 5346 |
| 25° | 5504 | 5253 | 5137 |
| 30° | 5376 | 5068 | 4906 |
| 35° | 5245 | 4877 | 4647 |
| 40° | 5123 | 4678 | 4392 |
| 45° | 4975 | 4455 | 4116 |
| 50° | 4827 | 4214 | 3826 |
| 55° | 4654 | 3983 | 3518 |
| 60° | 4481 | 3702 | 3185 |
| 65° | 4276 | 3376 | 2806 |
| 70° | 4043 | 2968 | 2417 |
| 75° | 3721 | 2500 | 2011 |
| 80° | 3277 | 1967 | 1689 |
| 85° | 2764 | 1608 | 1504 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 84.3   | 1.1       |
| 10°-20°   | 235.7  | 3.1       |
| 20°-30°   | 341.8  | 4.4       |
| 30°-40°   | 389.6  | 5.1       |
| 40°-50°   | 379.7  | 4.9       |
| 50°-60°   | 319.6  | 4.2       |
| 60°-70°   | 224.1  | 2.9       |
| 70°-80°   | 115.2  | 1.5       |
| 80°-90°   | 32.9   | 0.4       |
| 90°-100°  | 65.8   | 0.9       |
| 100°-110° | 405.6  | 5.3       |
| 110°-120° | 735.5  | 9.6       |
| 120°-130° | 944.0  | 12.3      |
| 130°-140° | 1015.3 | 13.2      |
| 140°-150° | 953.0  | 12.4      |
| 150°-160° | 770.9  | 10.0      |
| 160°-170° | 498.6  | 6.5       |
| 170°-180° | 172.0  | 2.2       |
| 0°-30°    | 661.9  | 8.6       |
| 0°-40°    | 1051.5 | 13.7      |
| 0°-60°    | 1750.9 | 22.8      |
| 0°-90°    | 2122.9 | 27.6      |
| 90°-120°  | 1206.9 | 15.7      |
| 90°-150°  | 4119.2 | 53.6      |
| 90°-180°  | 5561.0 | 72.4      |
| 0°-180°   | 7683.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 897  | 897   | 897  | 897   | 897  |      |
| 5°   | 896  | 893   | 886  | 892   | 891  | 85   |
| 15°  | 852  | 847   | 833  | 832   | 826  | 240  |
| 25°  | 772  | 761   | 737  | 728   | 721  | 355  |
| 35°  | 665  | 648   | 619  | 600   | 589  | 416  |
| 45°  | 545  | 524   | 488  | 462   | 451  | 420  |
| 55°  | 413  | 391   | 354  | 324   | 312  | 370  |
| 65°  | 280  | 256   | 221  | 195   | 184  | 277  |
| 75°  | 149  | 128   | 100  | 86    | 81   | 158  |
| 85°  | 37   | 26    | 22   | 21    | 20   | 42   |
| 90°  | 1    | 12    | 22   | 28    | 32   | 5    |
| 95°  | 76   | 70    | 22   | 28    | 28   | 97   |
| 105° | 395  | 400   | 400  | 400   | 399  | 418  |
| 115° | 741  | 747   | 749  | 744   | 736  | 734  |
| 125° | 1054 | 1063  | 1063 | 1058  | 1054 | 941  |
| 135° | 1314 | 1322  | 1320 | 1316  | 1309 | 1013 |
| 145° | 1524 | 1526  | 1526 | 1527  | 1520 | 952  |
| 155° | 1678 | 1670  | 1673 | 1676  | 1666 | 773  |
| 165° | 1771 | 1763  | 1764 | 1771  | 1761 | 500  |
| 175° | 1811 | 1803  | 1804 | 1814  | 1803 | 172  |
| 180° | 1811 | 1811  | 1811 | 1811  | 1811 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 |
| 2.5°   | 898.7 | 898.3 | 898.0 | 897.6 | 897.2 | 896.4 | 895.2 | 894.0 | 892.8 | 891.6 | 892.8 |
| 5°     | 895.6 | 895.1 | 894.5 | 893.9 | 893.2 | 892.2 | 890.5 | 888.9 | 887.2 | 885.5 | 887.0 |
| 7.5°   | 886.9 | 886.3 | 885.7 | 885.1 | 884.6 | 883.3 | 881.3 | 879.3 | 877.4 | 875.3 | 876.4 |
| 10°    | 878.7 | 878.2 | 877.8 | 877.4 | 876.9 | 875.7 | 873.5 | 871.5 | 869.3 | 867.2 | 867.6 |
| 12.5°  | 869.5 | 869.0 | 868.3 | 867.8 | 867.2 | 865.5 | 862.7 | 859.9 | 857.0 | 854.2 | 854.5 |
| 15°    | 851.7 | 850.7 | 849.8 | 848.9 | 848.0 | 846.0 | 842.8 | 839.6 | 836.5 | 833.3 | 833.2 |
| 17.5°  | 831.4 | 830.1 | 828.7 | 827.3 | 825.9 | 823.2 | 819.2 | 815.3 | 811.3 | 807.4 | 806.6 |
| 20°    | 815.7 | 814.2 | 812.7 | 811.2 | 809.7 | 806.6 | 801.7 | 796.9 | 792.1 | 787.3 | 786.5 |
| 22.5°  | 798.3 | 796.8 | 795.4 | 793.9 | 792.4 | 789.1 | 784.0 | 779.0 | 773.9 | 768.8 | 767.4 |
| 25°    | 772.4 | 770.1 | 767.9 | 765.6 | 763.3 | 759.4 | 753.9 | 748.2 | 742.7 | 737.1 | 735.2 |
| 27.5°  | 742.5 | 739.9 | 737.1 | 734.3 | 731.6 | 727.3 | 721.3 | 715.3 | 709.4 | 703.4 | 700.6 |
| 30°    | 720.9 | 718.0 | 715.2 | 712.3 | 709.4 | 704.8 | 698.5 | 692.2 | 685.9 | 679.6 | 676.1 |
| 32.5°  | 699.7 | 696.4 | 693.0 | 689.7 | 686.3 | 681.4 | 675.0 | 668.6 | 662.1 | 655.7 | 651.8 |
| 35°    | 665.3 | 661.7 | 658.1 | 654.5 | 650.9 | 645.7 | 638.9 | 632.1 | 625.4 | 618.6 | 614.2 |
| 37.5°  | 631.6 | 627.1 | 622.8 | 618.4 | 614.0 | 608.3 | 601.3 | 594.3 | 587.4 | 580.3 | 575.2 |
| 40°    | 607.7 | 603.2 | 598.7 | 594.1 | 589.7 | 583.8 | 576.6 | 569.4 | 562.1 | 554.9 | 549.2 |
| 42.5°  | 582.8 | 578.2 | 573.5 | 568.9 | 564.3 | 558.2 | 550.7 | 543.2 | 535.8 | 528.3 | 522.8 |
| 45°    | 544.7 | 540.4 | 536.0 | 531.6 | 527.3 | 520.9 | 512.6 | 504.4 | 496.1 | 487.8 | 481.8 |
| 47.5°  | 505.3 | 500.7 | 496.1 | 491.5 | 486.9 | 480.4 | 472.1 | 463.7 | 455.4 | 447.0 | 440.9 |
| 50°    | 480.4 | 475.4 | 470.4 | 465.5 | 460.5 | 453.7 | 445.1 | 436.6 | 427.9 | 419.4 | 413.0 |
| 52.5°  | 453.3 | 448.2 | 443.1 | 438.0 | 432.9 | 426.3 | 418.2 | 410.1 | 402.0 | 393.9 | 387.1 |
| 55°    | 413.3 | 408.5 | 403.7 | 398.9 | 394.0 | 387.4 | 379.0 | 370.5 | 362.1 | 353.7 | 346.9 |
| 57.5°  | 372.9 | 367.7 | 362.6 | 357.5 | 352.3 | 345.6 | 337.5 | 329.4 | 321.3 | 313.2 | 306.5 |
| 60°    | 346.9 | 341.6 | 336.4 | 331.1 | 325.8 | 319.1 | 310.9 | 302.8 | 294.7 | 286.6 | 280.0 |
| 62.5°  | 319.2 | 314.2 | 309.2 | 304.2 | 299.2 | 292.5 | 284.3 | 276.0 | 267.8 | 259.5 | 253.3 |
| 65°    | 279.8 | 274.7 | 269.6 | 264.5 | 259.3 | 252.8 | 244.8 | 236.8 | 228.8 | 220.9 | 214.8 |
| 67.5°  | 240.7 | 235.5 | 230.4 | 225.3 | 220.2 | 213.8 | 206.2 | 198.5 | 190.8 | 183.2 | 177.7 |
| 70°    | 214.1 | 209.0 | 203.8 | 198.8 | 193.6 | 187.3 | 179.8 | 172.3 | 164.7 | 157.2 | 152.5 |
| 72.5°  | 188.1 | 183.1 | 178.1 | 173.1 | 168.1 | 162.0 | 155.0 | 147.9 | 140.9 | 133.8 | 129.6 |
| 75°    | 149.1 | 144.5 | 140.0 | 135.5 | 131.0 | 125.6 | 119.2 | 112.9 | 106.6 | 100.2 | 96.9  |
| 77.5°  | 110.3 | 106.6 | 103.1 | 99.4  | 95.9  | 91.5  | 86.4  | 81.4  | 76.3  | 71.2  | 68.9  |
| 80°    | 88.1  | 84.4  | 80.9  | 77.2  | 73.7  | 69.7  | 65.5  | 61.3  | 57.1  | 52.9  | 51.5  |
| 82.5°  | 66.4  | 63.1  | 59.9  | 56.6  | 53.4  | 50.3  | 47.4  | 44.5  | 41.6  | 38.8  | 38.2  |
| 85°    | 37.3  | 34.5  | 31.8  | 29.2  | 26.4  | 24.7  | 23.9  | 23.2  | 22.5  | 21.7  | 21.5  |
| 87.5°  | 12.8  | 12.4  | 12.0  | 11.7  | 11.2  | 11.2  | 11.5  | 11.9  | 12.1  | 12.4  | 12.8  |
| 90°    | 1.3   | 3.7   | 6.2   | 8.5   | 10.9  | 13.1  | 15.2  | 17.3  | 19.4  | 21.5  | 23.0  |
| 92.5°  | 20.7  | 19.0  | 17.3  | 15.7  | 14.0  | 14.1  | 16.0  | 17.7  | 19.6  | 21.5  | 23.0  |
| 95°    | 76.5  | 75.6  | 74.7  | 73.8  | 72.9  | 66.8  | 55.5  | 44.1  | 32.8  | 21.5  | 23.0  |
| 97.5°  | 159.7 | 161.3 | 162.9 | 164.6 | 166.2 | 155.8 | 133.3 | 110.9 | 88.5  | 66.1  | 57.6  |
| 100°   | 224.2 | 225.1 | 226.0 | 226.9 | 227.7 | 228.8 | 230.0 | 231.2 | 232.4 | 233.5 | 189.1 |
| 102.5° | 289.7 | 290.8 | 291.9 | 293.1 | 294.2 | 295.2 | 295.9 | 296.6 | 297.3 | 298.0 | 289.6 |
| 105°   | 394.7 | 395.8 | 397.1 | 398.2 | 399.4 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
| 107.5° | 503.6 | 503.6 | 503.6 | 503.6 | 503.6 | 503.9 | 504.5 | 505.2 | 505.8 | 506.3 | 506.4 |
| 110°   | 574.5 | 574.5 | 574.5 | 574.5 | 574.5 | 574.8 | 575.4 | 576.0 | 576.6 | 577.2 | 576.3 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 641.1  | 641.9  | 642.6  | 643.3  | 644.0  | 644.5  | 644.9  | 645.2  | 645.6  | 646.0  | 644.8  |
| 115°   | 741.0  | 742.4  | 744.0  | 745.5  | 746.9  | 747.8  | 748.1  | 748.4  | 748.8  | 749.0  | 747.8  |
| 117.5° | 844.4  | 844.3  | 844.2  | 844.2  | 844.1  | 844.6  | 845.8  | 846.9  | 848.0  | 849.2  | 847.6  |
| 120°   | 908.7  | 908.5  | 908.2  | 907.9  | 907.6  | 907.9  | 908.7  | 909.6  | 910.5  | 911.4  | 910.9  |
| 122.5° | 965.7  | 966.8  | 968.0  | 969.1  | 970.2  | 971.0  | 971.4  | 971.8  | 972.2  | 972.7  | 972.1  |
| 125°   | 1053.7 | 1055.8 | 1057.9 | 1060.0 | 1062.1 | 1063.1 | 1063.1 | 1063.1 | 1063.1 | 1063.1 | 1061.9 |
| 127.5° | 1137.7 | 1139.2 | 1140.8 | 1142.3 | 1143.7 | 1144.4 | 1144.2 | 1144.1 | 1143.9 | 1143.7 | 1143.0 |
| 130°   | 1189.3 | 1190.8 | 1192.3 | 1193.8 | 1195.2 | 1196.1 | 1196.5 | 1196.8 | 1197.0 | 1197.4 | 1196.5 |
| 132.5° | 1240.8 | 1242.6 | 1244.3 | 1246.1 | 1247.8 | 1248.3 | 1247.7 | 1247.0 | 1246.3 | 1245.7 | 1245.5 |
| 135°   | 1314.1 | 1315.9 | 1317.8 | 1319.6 | 1321.3 | 1321.9 | 1321.3 | 1320.7 | 1320.1 | 1319.6 | 1318.9 |
| 137.5° | 1381.5 | 1383.0 | 1384.6 | 1386.2 | 1387.8 | 1388.2 | 1387.7 | 1387.1 | 1386.6 | 1386.1 | 1386.3 |
| 140°   | 1425.6 | 1426.2 | 1426.7 | 1427.4 | 1428.0 | 1428.1 | 1427.8 | 1427.5 | 1427.2 | 1426.9 | 1427.5 |
| 142.5° | 1465.3 | 1465.6 | 1466.0 | 1466.3 | 1466.7 | 1467.1 | 1467.6 | 1467.9 | 1468.4 | 1468.8 | 1468.9 |
| 145°   | 1523.6 | 1524.1 | 1524.7 | 1525.4 | 1526.0 | 1526.3 | 1526.3 | 1526.3 | 1526.3 | 1526.3 | 1526.5 |
| 147.5° | 1574.6 | 1574.4 | 1574.3 | 1574.2 | 1574.0 | 1574.2 | 1574.6 | 1574.9 | 1575.3 | 1575.7 | 1576.0 |
| 150°   | 1606.8 | 1606.1 | 1605.6 | 1605.0 | 1604.4 | 1604.4 | 1605.0 | 1605.6 | 1606.1 | 1606.8 | 1607.4 |
| 152.5° | 1637.9 | 1636.6 | 1635.3 | 1634.0 | 1632.6 | 1632.3 | 1632.9 | 1633.5 | 1634.1 | 1634.7 | 1635.3 |
| 155°   | 1677.9 | 1676.1 | 1674.4 | 1672.6 | 1670.8 | 1670.2 | 1670.8 | 1671.3 | 1672.0 | 1672.6 | 1673.5 |
| 157.5° | 1708.8 | 1707.7 | 1706.6 | 1705.6 | 1704.5 | 1704.0 | 1704.1 | 1704.1 | 1704.1 | 1704.2 | 1705.2 |
| 160°   | 1730.3 | 1728.5 | 1726.7 | 1724.9 | 1723.1 | 1722.3 | 1722.7 | 1723.0 | 1723.2 | 1723.6 | 1724.7 |
| 162.5° | 1747.5 | 1745.7 | 1743.9 | 1742.0 | 1740.3 | 1739.5 | 1739.8 | 1740.2 | 1740.4 | 1740.7 | 1742.4 |
| 165°   | 1770.6 | 1768.8 | 1766.9 | 1765.1 | 1763.4 | 1762.6 | 1762.9 | 1763.3 | 1763.5 | 1763.8 | 1765.6 |
| 167.5° | 1787.7 | 1785.9 | 1784.0 | 1782.2 | 1780.3 | 1779.6 | 1779.9 | 1780.1 | 1780.5 | 1780.7 | 1782.9 |
| 170°   | 1797.4 | 1795.3 | 1793.2 | 1791.1 | 1789.0 | 1788.1 | 1788.4 | 1788.8 | 1789.0 | 1789.3 | 1791.7 |
| 172.5° | 1803.8 | 1801.8 | 1799.7 | 1797.6 | 1795.5 | 1794.7 | 1795.3 | 1795.8 | 1796.4 | 1796.9 | 1799.0 |
| 175°   | 1810.8 | 1809.0 | 1807.2 | 1805.4 | 1803.7 | 1803.0 | 1803.2 | 1803.5 | 1803.8 | 1804.1 | 1806.5 |
| 177.5° | 1814.0 | 1812.6 | 1811.2 | 1809.7 | 1808.3 | 1807.7 | 1807.9 | 1808.2 | 1808.4 | 1808.7 | 1810.4 |
| 180°   | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 | 897.1 |
| 2.5°   | 894.0 | 895.2 | 896.4 | 897.0 | 896.9 | 896.7 | 896.6 | 896.5 |
| 5°     | 888.5 | 890.0 | 891.5 | 892.2 | 891.8 | 891.5 | 891.3 | 890.9 |
| 7.5°   | 877.4 | 878.5 | 879.6 | 879.9 | 879.6 | 879.2 | 879.0 | 878.6 |
| 10°    | 868.1 | 868.5 | 869.1 | 869.1 | 868.5 | 868.1 | 867.6 | 867.2 |
| 12.5°  | 854.9 | 855.2 | 855.5 | 855.3 | 854.6 | 854.0 | 853.3 | 852.6 |
| 15°    | 833.0 | 832.9 | 832.8 | 832.0 | 830.6 | 829.3 | 828.0 | 826.5 |
| 17.5°  | 805.8 | 805.0 | 804.3 | 803.3 | 802.3 | 801.1 | 800.0 | 798.9 |
| 20°    | 785.8 | 785.0 | 784.3 | 783.2 | 781.9 | 780.5 | 779.2 | 777.8 |
| 22.5°  | 765.9 | 764.4 | 762.9 | 761.6 | 760.5 | 759.4 | 758.3 | 757.2 |
| 25°    | 733.3 | 731.3 | 729.3 | 727.5 | 725.9 | 724.2 | 722.6 | 720.9 |
| 27.5°  | 697.9 | 695.2 | 692.4 | 690.3 | 688.7 | 687.1 | 685.5 | 683.9 |
| 30°    | 672.6 | 669.1 | 665.7 | 663.3 | 661.9 | 660.6 | 659.2 | 657.9 |
| 32.5°  | 648.0 | 644.3 | 640.4 | 637.7 | 635.9 | 634.2 | 632.5 | 630.8 |
| 35°    | 609.8 | 605.5 | 601.1 | 597.9 | 595.8 | 593.6 | 591.6 | 589.4 |
| 37.5°  | 569.9 | 564.6 | 559.4 | 555.7 | 553.7 | 551.7 | 549.7 | 547.6 |
| 40°    | 543.4 | 537.7 | 532.0 | 528.2 | 526.5 | 524.6 | 522.8 | 521.0 |
| 42.5°  | 517.4 | 511.8 | 506.4 | 502.3 | 499.7 | 497.0 | 494.4 | 491.8 |
| 45°    | 475.7 | 469.8 | 463.7 | 459.6 | 457.4 | 455.0 | 452.8 | 450.6 |
| 47.5°  | 434.6 | 428.4 | 422.2 | 417.9 | 415.4 | 412.9 | 410.4 | 407.9 |
| 50°    | 406.7 | 400.4 | 394.0 | 389.8 | 387.5 | 385.3 | 383.0 | 380.8 |
| 52.5°  | 380.3 | 373.4 | 366.7 | 362.1 | 359.9 | 357.7 | 355.3 | 353.1 |
| 55°    | 340.1 | 333.3 | 326.5 | 322.0 | 319.6 | 317.2 | 314.8 | 312.4 |
| 57.5°  | 299.9 | 293.3 | 286.7 | 282.2 | 280.1 | 277.9 | 275.9 | 273.8 |
| 60°    | 273.3 | 266.7 | 260.1 | 255.7 | 253.4 | 251.1 | 248.9 | 246.6 |
| 62.5°  | 247.2 | 241.0 | 234.9 | 230.7 | 228.5 | 226.2 | 223.9 | 221.7 |
| 65°    | 208.8 | 202.8 | 196.8 | 192.6 | 190.4 | 188.2 | 185.8 | 183.6 |
| 67.5°  | 172.2 | 166.7 | 161.1 | 157.5 | 155.7 | 153.9 | 152.0 | 150.3 |
| 70°    | 147.8 | 143.2 | 138.5 | 135.3 | 133.5 | 131.7 | 129.8 | 128.0 |
| 72.5°  | 125.3 | 120.9 | 116.6 | 113.9 | 112.7 | 111.5 | 110.3 | 109.1 |
| 75°    | 93.6  | 90.3  | 87.0  | 84.8  | 83.8  | 82.8  | 81.7  | 80.6  |
| 77.5°  | 66.6  | 64.3  | 62.0  | 60.5  | 59.7  | 58.9  | 58.1  | 57.3  |
| 80°    | 50.1  | 48.8  | 47.4  | 46.6  | 46.3  | 46.0  | 45.7  | 45.4  |
| 82.5°  | 37.5  | 36.8  | 36.2  | 35.8  | 35.7  | 35.5  | 35.3  | 35.1  |
| 85°    | 21.4  | 21.2  | 21.0  | 21.0  | 20.8  | 20.6  | 20.5  | 20.3  |
| 87.5°  | 13.0  | 13.3  | 13.6  | 13.8  | 13.8  | 13.9  | 14.0  | 14.0  |
| 90°    | 24.4  | 25.9  | 27.5  | 28.6  | 29.5  | 30.4  | 31.3  | 32.2  |
| 92.5°  | 24.4  | 25.9  | 27.5  | 28.4  | 28.8  | 29.2  | 29.7  | 30.1  |
| 95°    | 24.4  | 25.9  | 27.5  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  |
| 97.5°  | 49.2  | 40.8  | 32.4  | 28.2  | 28.2  | 28.2  | 28.2  | 28.2  |
| 100°   | 144.6 | 100.2 | 55.8  | 33.0  | 31.7  | 30.6  | 29.4  | 28.2  |
| 102.5° | 281.2 | 272.8 | 264.4 | 250.0 | 229.7 | 209.5 | 189.1 | 168.9 |
| 105°   | 400.0 | 400.0 | 400.0 | 399.8 | 399.6 | 399.3 | 399.0 | 398.7 |
| 107.5° | 506.5 | 506.5 | 506.6 | 506.1 | 505.2 | 504.4 | 503.5 | 502.6 |
| 110°   | 575.4 | 574.5 | 573.6 | 573.4 | 573.6 | 573.9 | 574.3 | 574.5 |





TEST NUMBER: P333678-940

CATALOG NUMBER: S125RDIW-S610D1560U940-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 643.6  | 642.6  | 641.4  | 640.6  | 640.2  | 639.8  | 639.4  | 638.9  |
| 115°   | 746.6  | 745.5  | 744.2  | 742.8  | 741.0  | 739.1  | 737.4  | 735.6  |
| 117.5° | 846.1  | 844.5  | 842.9  | 841.8  | 841.1  | 840.3  | 839.5  | 838.7  |
| 120°   | 910.3  | 909.6  | 909.1  | 908.0  | 906.5  | 905.0  | 903.6  | 902.1  |
| 122.5° | 971.4  | 970.9  | 970.3  | 969.1  | 967.4  | 965.6  | 963.9  | 962.2  |
| 125°   | 1060.8 | 1059.5 | 1058.4 | 1057.3 | 1056.4 | 1055.5 | 1054.6 | 1053.7 |
| 127.5° | 1142.4 | 1141.7 | 1141.0 | 1139.6 | 1137.4 | 1135.2 | 1133.0 | 1130.8 |
| 130°   | 1195.6 | 1194.7 | 1193.8 | 1192.6 | 1191.1 | 1189.6 | 1188.1 | 1186.6 |
| 132.5° | 1245.4 | 1245.2 | 1245.0 | 1244.1 | 1242.7 | 1241.2 | 1239.7 | 1238.1 |
| 135°   | 1318.3 | 1317.8 | 1317.1 | 1315.9 | 1314.1 | 1312.3 | 1310.5 | 1308.8 |
| 137.5° | 1386.3 | 1386.4 | 1386.6 | 1385.9 | 1384.3 | 1382.8 | 1381.2 | 1379.7 |
| 140°   | 1428.1 | 1428.7 | 1429.3 | 1428.7 | 1426.9 | 1425.1 | 1423.3 | 1421.6 |
| 142.5° | 1469.0 | 1469.2 | 1469.3 | 1468.5 | 1466.6 | 1464.8 | 1463.0 | 1461.2 |
| 145°   | 1526.9 | 1527.1 | 1527.4 | 1526.7 | 1524.9 | 1523.1 | 1521.3 | 1519.6 |
| 147.5° | 1576.4 | 1576.7 | 1577.1 | 1576.2 | 1574.0 | 1571.9 | 1569.8 | 1567.6 |
| 150°   | 1607.9 | 1608.6 | 1609.2 | 1608.3 | 1605.9 | 1603.5 | 1601.2 | 1598.7 |
| 152.5° | 1635.9 | 1636.5 | 1637.1 | 1636.3 | 1634.1 | 1632.0 | 1629.9 | 1627.7 |
| 155°   | 1674.4 | 1675.3 | 1676.1 | 1675.3 | 1673.0 | 1670.6 | 1668.2 | 1665.8 |
| 157.5° | 1706.1 | 1707.1 | 1708.1 | 1707.4 | 1705.0 | 1702.5 | 1700.1 | 1697.8 |
| 160°   | 1725.9 | 1727.2 | 1728.3 | 1727.8 | 1725.4 | 1723.0 | 1720.6 | 1718.2 |
| 162.5° | 1744.1 | 1745.8 | 1747.4 | 1747.0 | 1744.4 | 1741.7 | 1739.1 | 1736.4 |
| 165°   | 1767.4 | 1769.2 | 1771.0 | 1770.7 | 1768.4 | 1765.9 | 1763.5 | 1761.1 |
| 167.5° | 1785.0 | 1787.2 | 1789.3 | 1789.0 | 1786.4 | 1783.7 | 1781.0 | 1778.3 |
| 170°   | 1794.1 | 1796.5 | 1798.8 | 1798.8 | 1796.1 | 1793.4 | 1790.6 | 1788.0 |
| 172.5° | 1801.2 | 1803.3 | 1805.4 | 1805.2 | 1802.5 | 1799.8 | 1797.2 | 1794.5 |
| 175°   | 1808.8 | 1811.2 | 1813.7 | 1813.5 | 1810.8 | 1808.1 | 1805.4 | 1802.8 |
| 177.5° | 1812.0 | 1813.7 | 1815.3 | 1815.3 | 1813.3 | 1811.4 | 1809.5 | 1807.6 |
| 180°   | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 |

(END OF REPORT)