

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: P333065-930

Luminaire Tested: **S124RDIW-S795D1050U930-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333065-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124RDIW-S795D1050U930-4F0-1E-UDD-F  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 1050 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6036.2 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: General Diffuse

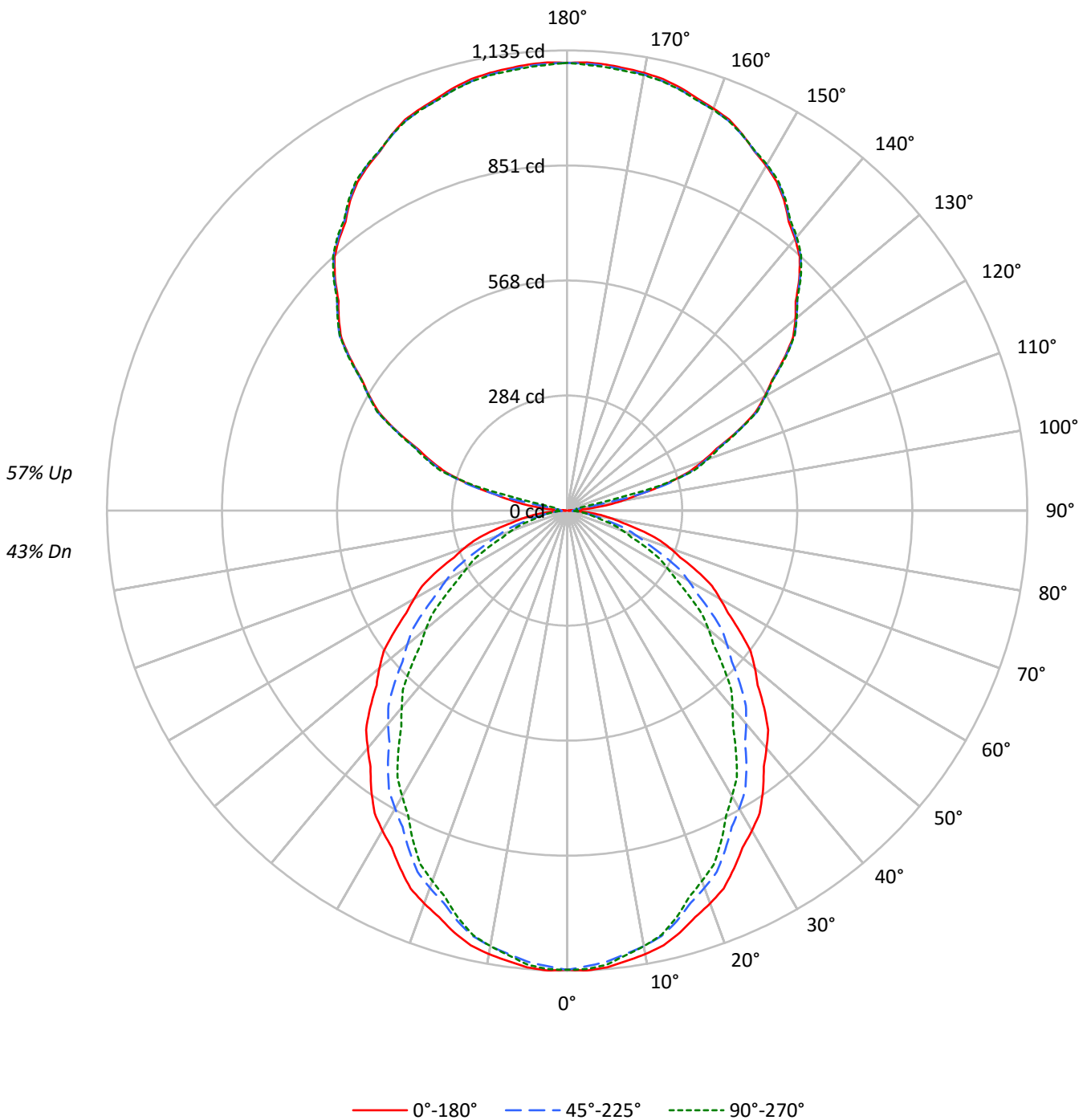
Input Watts (W): 52.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333065-930

CATALOG NUMBER: S124RDIW-S795D1050U930-4F0-1E-UDD-F

### Luminous Intensity Polar Plot





TEST NUMBER: P333065-930

CATALOG NUMBER: S124RDIW-S795D1050U930-4F0-1E-UDD-F

**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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 64 | 64 | 64 | 50 | 50 | 50 | 43 |
| 1   | 97  | 92  | 89  | 85  | 88 | 85 | 81 | 79 | 70 | 68 | 66 | 57 | 55 | 54 | 45 | 44 | 43 | 37 |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 31 |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 55 | 50 | 46 | 45 | 41 | 39 | 35 | 33 | 31 | 27 |
| 4   | 74  | 63  | 55  | 50  | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5   | 68  | 56  | 48  | 43  | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 | 20 |
| 6   | 62  | 51  | 43  | 37  | 57 | 47 | 40 | 35 | 39 | 34 | 30 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |
| 7   | 58  | 46  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 29 | 25 | 22 | 24 | 21 | 19 | 16 |
| 8   | 53  | 41  | 34  | 29  | 49 | 38 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |
| 9   | 50  | 38  | 30  | 26  | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10  | 47  | 35  | 28  | 23  | 43 | 32 | 26 | 22 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 9143 | 9143 | 9143 |
| 5°  | 9164 | 9052 | 9108 |
| 10° | 9107 | 8943 | 8943 |
| 15° | 9002 | 8756 | 8690 |
| 20° | 8858 | 8508 | 8352 |
| 25° | 8675 | 8219 | 8011 |
| 30° | 8496 | 7914 | 7582 |
| 35° | 8298 | 7597 | 7154 |
| 40° | 8061 | 7238 | 6690 |
| 45° | 7841 | 6882 | 6218 |
| 50° | 7592 | 6469 | 5718 |
| 55° | 7323 | 6042 | 5175 |
| 60° | 7030 | 5572 | 4621 |
| 65° | 6758 | 4988 | 4076 |
| 70° | 6366 | 4338 | 3460 |
| 75° | 5870 | 3599 | 2813 |
| 80° | 5119 | 2738 | 2580 |
| 85° | 4335 | 2492 | 2325 |



TEST NUMBER: P333065-930

CATALOG NUMBER: S124RDIW-S795D1050U930-4F0-1E-UDD-F

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 106.4  | 1.8       |
| 10°-20°   | 296.7  | 4.9       |
| 20°-30°   | 428.4  | 7.1       |
| 30°-40°   | 485.6  | 8.0       |
| 40°-50°   | 468.9  | 7.8       |
| 50°-60°   | 389.9  | 6.5       |
| 60°-70°   | 269.3  | 4.5       |
| 70°-80°   | 136.5  | 2.3       |
| 80°-90°   | 38.2   | 0.6       |
| 90°-100°  | 37.8   | 0.6       |
| 100°-110° | 240.8  | 4.0       |
| 110°-120° | 460.7  | 7.6       |
| 120°-130° | 584.9  | 9.7       |
| 130°-140° | 625.8  | 10.4      |
| 140°-150° | 585.2  | 9.7       |
| 150°-160° | 471.9  | 7.8       |
| 160°-170° | 304.4  | 5.0       |
| 170°-180° | 104.9  | 1.7       |
| 0°-30°    | 831.5  | 13.8      |
| 0°-40°    | 1317.1 | 21.8      |
| 0°-60°    | 2176.0 | 36.0      |
| 0°-90°    | 2619.9 | 43.4      |
| 90°-120°  | 739.3  | 12.2      |
| 90°-150°  | 2535.2 | 42.0      |
| 90°-180°  | 3416.0 | 56.6      |
| 0°-180°   | 6036.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1133 | 1133  | 1133 | 1133  | 1133 |      |
| 5°   | 1131 | 1127  | 1117 | 1125  | 1124 | 107  |
| 15°  | 1077 | 1069  | 1048 | 1046  | 1040 | 303  |
| 25°  | 974  | 957   | 923  | 908   | 899  | 449  |
| 35°  | 842  | 813   | 771  | 742   | 726  | 526  |
| 45°  | 687  | 654   | 603  | 562   | 545  | 529  |
| 55°  | 520  | 484   | 429  | 386   | 368  | 465  |
| 65°  | 354  | 316   | 261  | 225   | 213  | 349  |
| 75°  | 188  | 156   | 115  | 96    | 90   | 199  |
| 85°  | 47   | 30    | 27   | 25    | 25   | 53   |
| 90°  | 2    | 11    | 18   | 23    | 25   | 4    |
| 95°  | 45   | 19    | 18   | 23    | 24   | 58   |
| 105° | 249  | 254   | 258  | 263   | 236  | 260  |
| 115° | 464  | 466   | 466  | 467   | 468  | 457  |
| 125° | 653  | 656   | 654  | 657   | 658  | 582  |
| 135° | 810  | 809   | 812  | 814   | 815  | 623  |
| 145° | 933  | 936   | 936  | 937   | 938  | 583  |
| 155° | 1023 | 1024  | 1022 | 1025  | 1023 | 472  |
| 165° | 1080 | 1076  | 1076 | 1081  | 1075 | 305  |
| 175° | 1104 | 1100  | 1100 | 1107  | 1098 | 105  |
| 180° | 1104 | 1104  | 1104 | 1104  | 1104 |      |



TEST NUMBER: P333065-930

CATALOG NUMBER: S124RDIW-S795D1050U930-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 |
| 2.5°   | 1135.4 | 1134.7 | 1134.1 | 1133.5 | 1132.9 | 1131.7 | 1130.0 | 1128.4 | 1126.7 | 1124.9 | 1126.7 |
| 5°     | 1130.8 | 1130.1 | 1129.3 | 1128.5 | 1127.7 | 1126.3 | 1123.9 | 1121.6 | 1119.2 | 1117.0 | 1118.9 |
| 7.5°   | 1120.6 | 1119.8 | 1119.0 | 1118.2 | 1117.4 | 1115.5 | 1112.5 | 1109.5 | 1106.4 | 1103.4 | 1104.6 |
| 10°    | 1110.9 | 1109.9 | 1109.0 | 1108.0 | 1107.0 | 1104.8 | 1101.4 | 1097.9 | 1094.5 | 1091.0 | 1091.7 |
| 12.5°  | 1098.4 | 1097.3 | 1096.2 | 1095.0 | 1094.0 | 1091.4 | 1087.3 | 1083.1 | 1079.0 | 1075.0 | 1075.5 |
| 15°    | 1077.1 | 1075.4 | 1073.6 | 1071.9 | 1070.2 | 1066.9 | 1062.0 | 1057.2 | 1052.4 | 1047.6 | 1047.2 |
| 17.5°  | 1051.2 | 1048.7 | 1046.2 | 1043.7 | 1041.2 | 1037.1 | 1031.3 | 1025.5 | 1019.7 | 1013.9 | 1012.8 |
| 20°    | 1031.1 | 1028.6 | 1026.1 | 1023.6 | 1021.1 | 1016.6 | 1010.0 | 1003.5 | 996.9  | 990.3  | 988.8  |
| 22.5°  | 1008.9 | 1006.1 | 1003.3 | 1000.5 | 997.7  | 992.7  | 985.7  | 978.7  | 971.7  | 964.7  | 962.4  |
| 25°    | 973.9  | 970.4  | 966.9  | 963.4  | 960.0  | 954.3  | 946.4  | 938.5  | 930.6  | 922.7  | 919.4  |
| 27.5°  | 937.1  | 932.8  | 928.4  | 924.1  | 919.7  | 913.3  | 904.8  | 896.4  | 887.9  | 879.5  | 875.5  |
| 30°    | 911.4  | 906.6  | 901.8  | 897.0  | 892.2  | 885.3  | 876.2  | 867.2  | 858.0  | 849.0  | 844.2  |
| 32.5°  | 884.4  | 879.0  | 873.5  | 868.0  | 862.7  | 855.2  | 845.9  | 836.5  | 827.1  | 817.7  | 812.2  |
| 35°    | 842.0  | 835.9  | 829.7  | 823.5  | 817.4  | 809.5  | 799.9  | 790.2  | 780.6  | 770.9  | 764.4  |
| 37.5°  | 796.8  | 790.4  | 784.1  | 777.7  | 771.4  | 762.9  | 752.2  | 741.5  | 730.8  | 720.2  | 712.8  |
| 40°    | 764.9  | 758.6  | 752.2  | 745.8  | 739.5  | 730.8  | 719.7  | 708.8  | 697.8  | 686.8  | 678.7  |
| 42.5°  | 734.3  | 727.7  | 721.1  | 714.4  | 707.7  | 698.6  | 687.2  | 675.7  | 664.3  | 652.8  | 644.6  |
| 45°    | 686.8  | 679.7  | 672.5  | 665.4  | 658.3  | 649.0  | 637.4  | 625.8  | 614.2  | 602.8  | 593.3  |
| 47.5°  | 637.7  | 630.4  | 623.1  | 615.6  | 608.3  | 598.6  | 586.6  | 574.5  | 562.6  | 550.5  | 540.7  |
| 50°    | 604.5  | 597.0  | 589.4  | 581.9  | 574.4  | 564.4  | 552.1  | 539.8  | 527.4  | 515.1  | 505.5  |
| 52.5°  | 570.5  | 563.1  | 555.7  | 548.4  | 541.0  | 531.0  | 518.4  | 505.7  | 493.1  | 480.5  | 470.7  |
| 55°    | 520.3  | 512.6  | 504.9  | 497.2  | 489.5  | 479.4  | 466.8  | 454.3  | 441.8  | 429.3  | 419.2  |
| 57.5°  | 470.8  | 462.7  | 454.7  | 446.7  | 438.6  | 428.4  | 416.1  | 403.8  | 391.5  | 379.1  | 369.0  |
| 60°    | 435.4  | 427.6  | 420.0  | 412.2  | 404.5  | 394.5  | 382.1  | 369.8  | 357.5  | 345.1  | 335.1  |
| 62.5°  | 403.4  | 395.4  | 387.4  | 379.4  | 371.4  | 361.0  | 348.4  | 335.7  | 323.1  | 310.5  | 301.2  |
| 65°    | 353.8  | 345.5  | 337.2  | 329.0  | 320.7  | 310.4  | 298.0  | 285.7  | 273.4  | 261.1  | 252.7  |
| 67.5°  | 302.3  | 294.4  | 286.4  | 278.5  | 270.5  | 260.9  | 249.4  | 238.0  | 226.5  | 215.1  | 207.9  |
| 70°    | 269.7  | 261.6  | 253.5  | 245.4  | 237.3  | 227.8  | 216.8  | 205.8  | 194.9  | 183.8  | 177.5  |
| 72.5°  | 235.1  | 227.7  | 220.4  | 213.0  | 205.7  | 196.9  | 186.5  | 176.1  | 165.8  | 155.4  | 149.9  |
| 75°    | 188.2  | 181.1  | 173.9  | 166.8  | 159.6  | 151.6  | 142.5  | 133.5  | 124.4  | 115.4  | 110.9  |
| 77.5°  | 140.6  | 134.6  | 128.6  | 122.5  | 116.4  | 109.7  | 102.5  | 95.1   | 87.8   | 80.5   | 77.9   |
| 80°    | 110.1  | 104.5  | 99.0   | 93.4   | 87.8   | 82.1   | 76.3   | 70.5   | 64.7   | 58.9   | 58.4   |
| 82.5°  | 83.8   | 78.7   | 73.5   | 68.4   | 63.3   | 59.0   | 55.8   | 52.4   | 49.1   | 45.8   | 45.3   |
| 85°    | 46.8   | 43.0   | 39.1   | 35.3   | 31.4   | 29.2   | 28.6   | 28.0   | 27.5   | 26.9   | 26.5   |
| 87.5°  | 16.5   | 15.7   | 14.8   | 13.9   | 13.1   | 12.8   | 13.0   | 13.0   | 13.2   | 13.4   | 13.5   |
| 90°    | 2.4    | 4.5    | 6.5    | 8.6    | 10.5   | 12.3   | 13.8   | 15.2   | 16.7   | 18.2   | 19.2   |
| 92.5°  | 10.4   | 10.5   | 10.6   | 10.8   | 10.8   | 11.7   | 13.1   | 14.6   | 16.1   | 17.5   | 18.6   |
| 95°    | 45.4   | 39.2   | 32.9   | 26.7   | 20.5   | 17.4   | 17.6   | 17.8   | 18.0   | 18.2   | 19.2   |
| 97.5°  | 96.4   | 100.4  | 104.3  | 108.2  | 112.0  | 103.8  | 83.2   | 62.8   | 42.3   | 21.8   | 21.9   |
| 100°   | 135.5  | 138.8  | 142.1  | 145.4  | 148.7  | 137.7  | 112.3  | 87.0   | 61.7   | 36.4   | 33.3   |
| 102.5° | 179.1  | 181.5  | 183.9  | 186.4  | 188.7  | 188.3  | 185.1  | 181.7  | 178.4  | 175.1  | 141.5  |
| 105°   | 248.7  | 249.7  | 250.9  | 251.9  | 253.1  | 254.0  | 254.9  | 255.9  | 256.8  | 257.7  | 259.3  |
| 107.5° | 313.2  | 313.8  | 314.3  | 314.9  | 315.4  | 316.3  | 317.6  | 318.9  | 320.1  | 321.3  | 322.1  |
| 110°   | 356.9  | 357.4  | 357.9  | 358.5  | 359.1  | 359.9  | 361.0  | 362.1  | 363.2  | 364.3  | 364.7  |



TEST NUMBER: P333065-930

CATALOG NUMBER: S124RDIW-S795D1050U930-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 399.2  | 400.1  | 401.1  | 402.1  | 403.1  | 403.9  | 404.4  | 404.9  | 405.4  | 405.9  | 405.9  |
| 115°   | 464.2  | 464.8  | 465.4  | 465.9  | 466.4  | 466.6  | 466.4  | 466.3  | 466.1  | 465.9  | 466.3  |
| 117.5° | 522.9  | 523.6  | 524.3  | 525.1  | 525.8  | 526.4  | 526.8  | 527.2  | 527.6  | 528.0  | 527.9  |
| 120°   | 562.6  | 563.3  | 564.0  | 564.8  | 565.5  | 565.7  | 565.6  | 565.4  | 565.2  | 565.0  | 565.4  |
| 122.5° | 599.6  | 600.0  | 600.4  | 600.9  | 601.3  | 601.7  | 601.9  | 602.2  | 602.4  | 602.7  | 602.9  |
| 125°   | 652.6  | 653.3  | 654.0  | 654.8  | 655.5  | 655.7  | 655.3  | 654.9  | 654.6  | 654.2  | 654.8  |
| 127.5° | 702.8  | 703.0  | 703.2  | 703.4  | 703.5  | 704.0  | 704.9  | 705.7  | 706.5  | 707.4  | 707.4  |
| 130°   | 735.2  | 735.4  | 735.6  | 735.7  | 735.9  | 736.3  | 736.9  | 737.4  | 737.9  | 738.5  | 738.7  |
| 132.5° | 764.9  | 765.2  | 765.6  | 765.9  | 766.2  | 766.8  | 767.4  | 768.2  | 768.8  | 769.6  | 769.7  |
| 135°   | 809.5  | 809.3  | 809.2  | 808.9  | 808.8  | 809.1  | 809.8  | 810.6  | 811.3  | 812.0  | 812.4  |
| 137.5° | 849.0  | 849.1  | 849.1  | 849.2  | 849.3  | 849.7  | 850.5  | 851.3  | 852.2  | 853.0  | 853.4  |
| 140°   | 874.8  | 875.1  | 875.5  | 875.9  | 876.3  | 876.6  | 877.0  | 877.3  | 877.8  | 878.1  | 878.6  |
| 142.5° | 897.9  | 898.5  | 899.2  | 899.9  | 900.6  | 901.0  | 901.2  | 901.4  | 901.6  | 901.9  | 902.3  |
| 145°   | 933.4  | 934.0  | 934.5  | 935.1  | 935.6  | 935.9  | 935.9  | 935.9  | 935.9  | 935.9  | 936.1  |
| 147.5° | 961.6  | 962.7  | 963.8  | 964.7  | 965.8  | 966.2  | 966.0  | 965.9  | 965.6  | 965.5  | 965.6  |
| 150°   | 982.2  | 982.9  | 983.7  | 984.4  | 985.1  | 985.4  | 985.2  | 985.0  | 984.8  | 984.6  | 984.6  |
| 152.5° | 999.3  | 1000.0 | 1000.5 | 1001.1 | 1001.7 | 1001.8 | 1001.5 | 1001.2 | 1000.9 | 1000.5 | 1000.8 |
| 155°   | 1023.4 | 1023.7 | 1023.9 | 1024.0 | 1024.2 | 1024.0 | 1023.4 | 1023.0 | 1022.4 | 1021.8 | 1022.5 |
| 157.5° | 1043.8 | 1043.7 | 1043.6 | 1043.4 | 1043.3 | 1043.0 | 1042.4 | 1041.7 | 1041.1 | 1040.5 | 1041.5 |
| 160°   | 1055.6 | 1055.2 | 1054.6 | 1054.0 | 1053.4 | 1053.1 | 1053.0 | 1052.7 | 1052.6 | 1052.4 | 1053.4 |
| 162.5° | 1066.2 | 1065.6 | 1064.9 | 1064.1 | 1063.5 | 1063.0 | 1062.8 | 1062.7 | 1062.5 | 1062.3 | 1063.4 |
| 165°   | 1079.6 | 1078.7 | 1077.8 | 1076.8 | 1076.0 | 1075.5 | 1075.5 | 1075.5 | 1075.5 | 1075.5 | 1077.0 |
| 167.5° | 1090.2 | 1089.2 | 1088.3 | 1087.4 | 1086.4 | 1085.9 | 1085.7 | 1085.7 | 1085.6 | 1085.4 | 1087.0 |
| 170°   | 1096.2 | 1095.0 | 1094.0 | 1092.8 | 1091.8 | 1091.3 | 1091.4 | 1091.7 | 1091.8 | 1092.0 | 1093.5 |
| 172.5° | 1100.1 | 1099.0 | 1097.9 | 1096.8 | 1095.7 | 1095.3 | 1095.4 | 1095.6 | 1095.8 | 1096.0 | 1097.5 |
| 175°   | 1104.4 | 1103.3 | 1102.2 | 1101.1 | 1100.0 | 1099.6 | 1099.8 | 1099.9 | 1100.1 | 1100.3 | 1102.0 |
| 177.5° | 1106.4 | 1105.4 | 1104.3 | 1103.3 | 1102.3 | 1102.0 | 1102.2 | 1102.5 | 1102.8 | 1103.1 | 1104.2 |
| 180°   | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 |



TEST NUMBER: P333065-930

CATALOG NUMBER: S124RDIW-S795D1050U930-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 |
| 2.5°   | 1128.4 | 1130.0 | 1131.7 | 1132.5 | 1132.4 | 1132.2 | 1132.0 | 1131.9 |
| 5°     | 1120.8 | 1122.7 | 1124.7 | 1125.4 | 1125.0 | 1124.7 | 1124.3 | 1123.9 |
| 7.5°   | 1105.9 | 1107.2 | 1108.4 | 1108.6 | 1108.1 | 1107.4 | 1106.9 | 1106.2 |
| 10°    | 1092.5 | 1093.2 | 1094.1 | 1094.1 | 1093.2 | 1092.5 | 1091.7 | 1091.0 |
| 12.5°  | 1076.0 | 1076.4 | 1076.8 | 1076.5 | 1075.5 | 1074.4 | 1073.3 | 1072.2 |
| 15°    | 1046.8 | 1046.4 | 1046.0 | 1045.2 | 1043.8 | 1042.4 | 1041.1 | 1039.8 |
| 17.5°  | 1011.8 | 1010.7 | 1009.6 | 1008.0 | 1006.0 | 1004.0 | 1001.9 | 999.9  |
| 20°    | 987.2  | 985.7  | 984.1  | 982.2  | 979.7  | 977.1  | 974.6  | 972.2  |
| 22.5°  | 960.1  | 957.7  | 955.4  | 953.2  | 951.2  | 949.2  | 947.1  | 945.1  |
| 25°    | 916.2  | 912.9  | 909.6  | 907.0  | 905.1  | 903.2  | 901.2  | 899.3  |
| 27.5°  | 871.4  | 867.4  | 863.3  | 859.9  | 857.1  | 854.4  | 851.6  | 848.8  |
| 30°    | 839.4  | 834.5  | 829.7  | 825.7  | 822.7  | 819.6  | 816.5  | 813.4  |
| 32.5°  | 806.6  | 801.0  | 795.4  | 791.2  | 788.2  | 785.3  | 782.4  | 779.4  |
| 35°    | 757.8  | 751.3  | 744.8  | 739.7  | 736.3  | 732.8  | 729.3  | 725.9  |
| 37.5°  | 705.5  | 698.1  | 690.8  | 685.4  | 682.0  | 678.5  | 675.1  | 671.6  |
| 40°    | 670.7  | 662.5  | 654.4  | 648.7  | 645.2  | 641.7  | 638.3  | 634.8  |
| 42.5°  | 636.3  | 628.1  | 619.9  | 613.9  | 610.3  | 606.7  | 603.1  | 599.4  |
| 45°    | 583.8  | 574.4  | 564.9  | 558.5  | 555.0  | 551.5  | 548.0  | 544.6  |
| 47.5°  | 530.9  | 521.1  | 511.4  | 504.5  | 500.8  | 496.9  | 493.1  | 489.3  |
| 50°    | 495.9  | 486.2  | 476.5  | 469.9  | 466.3  | 462.6  | 458.9  | 455.3  |
| 52.5°  | 460.9  | 451.1  | 441.2  | 434.5  | 430.6  | 426.8  | 423.1  | 419.2  |
| 55°    | 409.2  | 399.2  | 389.2  | 382.4  | 378.7  | 375.0  | 371.4  | 367.7  |
| 57.5°  | 358.8  | 348.6  | 338.4  | 332.0  | 329.2  | 326.4  | 323.7  | 320.9  |
| 60°    | 325.1  | 315.1  | 305.1  | 298.5  | 295.5  | 292.4  | 289.3  | 286.2  |
| 62.5°  | 292.0  | 282.7  | 273.5  | 267.6  | 265.1  | 262.7  | 260.2  | 257.7  |
| 65°    | 244.4  | 236.2  | 227.9  | 222.6  | 220.3  | 217.9  | 215.6  | 213.4  |
| 67.5°  | 200.8  | 193.7  | 186.5  | 181.7  | 179.2  | 176.6  | 174.1  | 171.5  |
| 70°    | 171.1  | 164.8  | 158.4  | 154.3  | 152.4  | 150.4  | 148.5  | 146.6  |
| 72.5°  | 144.6  | 139.1  | 133.6  | 130.0  | 128.3  | 126.5  | 124.7  | 122.9  |
| 75°    | 106.5  | 102.1  | 97.6   | 94.8   | 93.7   | 92.5   | 91.3   | 90.2   |
| 77.5°  | 75.3   | 72.7   | 70.1   | 68.6   | 68.3   | 68.0   | 67.7   | 67.3   |
| 80°    | 57.8   | 57.2   | 56.7   | 56.3   | 56.1   | 55.8   | 55.7   | 55.5   |
| 82.5°  | 44.9   | 44.5   | 44.1   | 43.8   | 43.6   | 43.4   | 43.2   | 43.0   |
| 85°    | 26.1   | 25.8   | 25.4   | 25.1   | 25.1   | 25.1   | 25.1   | 25.1   |
| 87.5°  | 13.5   | 13.5   | 13.6   | 13.8   | 14.0   | 14.2   | 14.4   | 14.7   |
| 90°    | 20.4   | 21.4   | 22.6   | 23.3   | 23.6   | 24.1   | 24.4   | 24.8   |
| 92.5°  | 19.7   | 20.8   | 21.9   | 22.5   | 22.6   | 22.7   | 22.7   | 22.8   |
| 95°    | 20.4   | 21.4   | 22.6   | 23.2   | 23.4   | 23.6   | 23.8   | 24.0   |
| 97.5°  | 22.0   | 22.2   | 22.3   | 22.4   | 22.6   | 22.7   | 22.9   | 23.2   |
| 100°   | 30.1   | 27.0   | 23.9   | 22.4   | 22.6   | 22.7   | 22.9   | 23.2   |
| 102.5° | 107.8  | 74.1   | 40.4   | 23.6   | 23.6   | 23.7   | 23.7   | 23.8   |
| 105°   | 261.1  | 262.7  | 264.3  | 261.9  | 255.3  | 248.7  | 242.1  | 235.5  |
| 107.5° | 322.9  | 323.8  | 324.6  | 325.3  | 326.0  | 326.7  | 327.4  | 328.1  |
| 110°   | 365.0  | 365.4  | 365.7  | 366.2  | 366.8  | 367.3  | 367.9  | 368.4  |





TEST NUMBER: P333065-930

CATALOG NUMBER: S124RDIW-S795D1050U930-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 405.8  | 405.7  | 405.6  | 405.9  | 406.7  | 407.3  | 408.1  | 408.7  |
| 115°   | 466.6  | 467.0  | 467.3  | 467.6  | 467.6  | 467.6  | 467.6  | 467.6  |
| 117.5° | 527.8  | 527.8  | 527.7  | 527.7  | 527.6  | 527.5  | 527.4  | 527.3  |
| 120°   | 565.7  | 566.1  | 566.5  | 566.5  | 566.1  | 565.7  | 565.4  | 565.0  |
| 122.5° | 603.2  | 603.3  | 603.6  | 603.5  | 603.2  | 602.8  | 602.4  | 602.0  |
| 125°   | 655.3  | 655.9  | 656.4  | 656.8  | 657.0  | 657.1  | 657.4  | 657.5  |
| 127.5° | 707.2  | 707.1  | 706.9  | 706.9  | 706.7  | 706.5  | 706.4  | 706.3  |
| 130°   | 738.8  | 739.1  | 739.2  | 739.3  | 739.3  | 739.3  | 739.3  | 739.3  |
| 132.5° | 769.9  | 770.1  | 770.3  | 770.3  | 770.1  | 770.0  | 769.9  | 769.7  |
| 135°   | 812.8  | 813.1  | 813.5  | 813.8  | 814.2  | 814.6  | 815.0  | 815.3  |
| 137.5° | 853.8  | 854.2  | 854.6  | 854.8  | 854.6  | 854.5  | 854.4  | 854.3  |
| 140°   | 879.2  | 879.7  | 880.3  | 880.7  | 880.8  | 881.0  | 881.2  | 881.4  |
| 142.5° | 902.7  | 903.1  | 903.5  | 903.7  | 903.8  | 903.8  | 903.8  | 903.8  |
| 145°   | 936.3  | 936.5  | 936.6  | 936.9  | 937.3  | 937.7  | 938.0  | 938.4  |
| 147.5° | 965.8  | 965.9  | 966.0  | 966.2  | 966.5  | 966.6  | 966.8  | 966.9  |
| 150°   | 984.6  | 984.6  | 984.6  | 984.7  | 984.9  | 985.1  | 985.3  | 985.5  |
| 152.5° | 1001.1 | 1001.4 | 1001.7 | 1001.8 | 1001.7 | 1001.5 | 1001.4 | 1001.4 |
| 155°   | 1023.3 | 1024.0 | 1024.7 | 1024.8 | 1024.3 | 1023.8 | 1023.2 | 1022.6 |
| 157.5° | 1042.4 | 1043.3 | 1044.3 | 1044.3 | 1043.3 | 1042.4 | 1041.5 | 1040.5 |
| 160°   | 1054.6 | 1055.6 | 1056.8 | 1056.8 | 1055.6 | 1054.6 | 1053.4 | 1052.4 |
| 162.5° | 1064.5 | 1065.6 | 1066.7 | 1066.7 | 1065.4 | 1064.1 | 1062.9 | 1061.6 |
| 165°   | 1078.5 | 1079.9 | 1081.4 | 1081.2 | 1079.6 | 1078.0 | 1076.4 | 1074.6 |
| 167.5° | 1088.7 | 1090.3 | 1091.8 | 1091.8 | 1090.0 | 1088.1 | 1086.3 | 1084.4 |
| 170°   | 1094.9 | 1096.4 | 1097.9 | 1097.7 | 1095.8 | 1094.1 | 1092.2 | 1090.4 |
| 172.5° | 1098.9 | 1100.4 | 1101.9 | 1101.6 | 1099.6 | 1097.6 | 1095.7 | 1093.6 |
| 175°   | 1103.6 | 1105.2 | 1106.9 | 1106.6 | 1104.4 | 1102.2 | 1100.0 | 1097.8 |
| 177.5° | 1105.5 | 1106.6 | 1107.8 | 1107.5 | 1105.7 | 1104.0 | 1102.2 | 1100.5 |
| 180°   | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 | 1104.4 |

(END OF REPORT)