

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: P333433-930

Luminaire Tested: **S125DIW-S1090D470U930-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333433-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S1090D470U930-4F0-1E-UDD-D1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4803.2 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

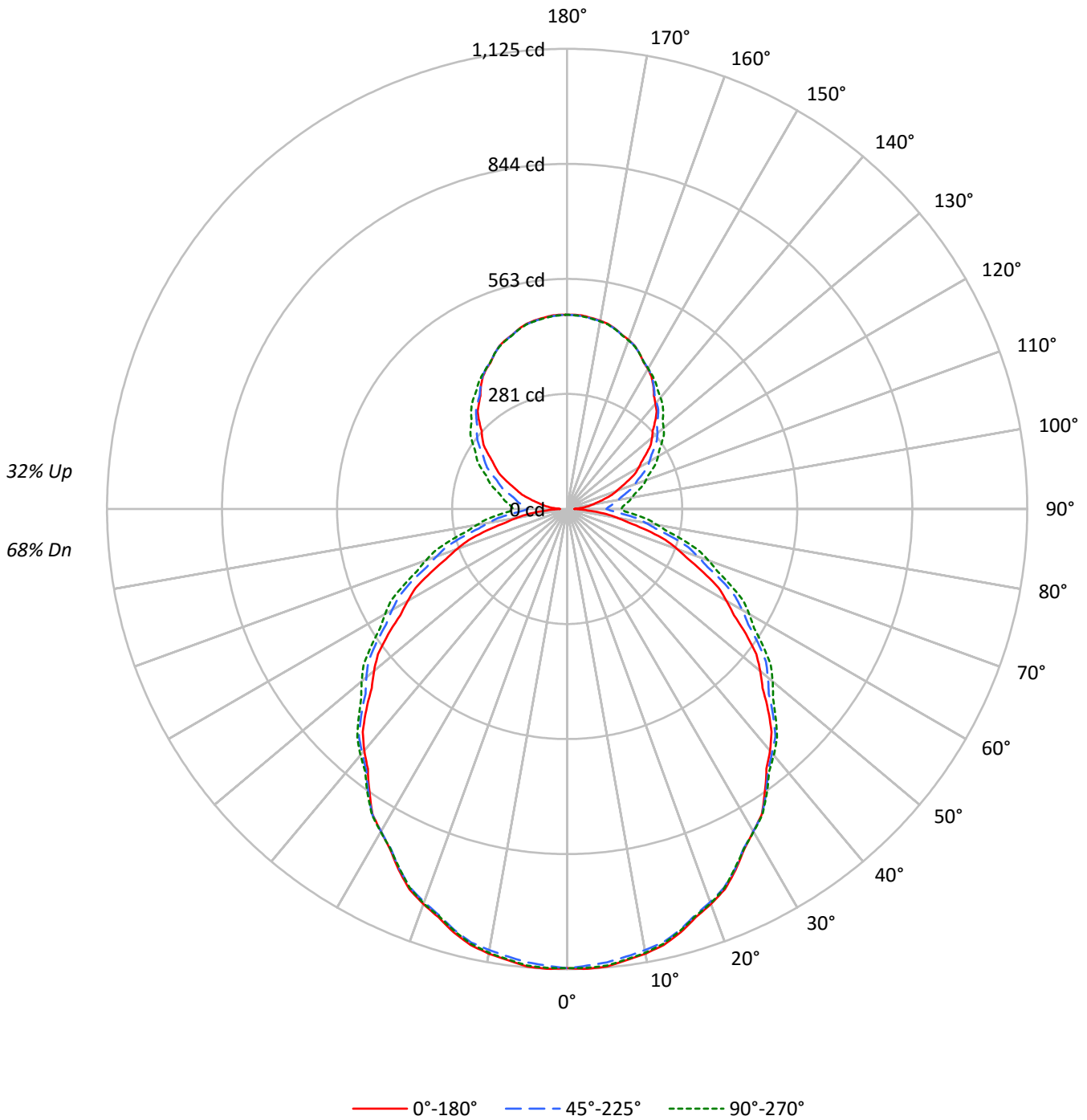
Input Watts (W): 46.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333433-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P333433-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-D1

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 | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 | 83 | 83 | 83 | 73 | 73 | 73 | 68 |
| 1 | 101 | 96 | 92 | 88 | 95 | 91 | 87 | 83 | 80 | 77 | 75 | 71 | 69 | 67 | 63 | 61 | 59 | 55 |
| 2 | 91 | 83 | 76 | 71 | 86 | 79 | 73 | 67 | 70 | 65 | 61 | 62 | 58 | 55 | 55 | 52 | 49 | 45 |
| 3 | 83 | 73 | 65 | 59 | 78 | 69 | 62 | 56 | 61 | 56 | 51 | 54 | 50 | 46 | 48 | 45 | 41 | 38 |
| 4 | 76 | 64 | 56 | 49 | 71 | 61 | 53 | 47 | 54 | 48 | 43 | 48 | 43 | 39 | 43 | 39 | 36 | 32 |
| 5 | 70 | 57 | 49 | 42 | 65 | 54 | 46 | 41 | 49 | 42 | 37 | 43 | 38 | 34 | 38 | 34 | 31 | 28 |
| 6 | 64 | 51 | 43 | 37 | 60 | 49 | 41 | 35 | 44 | 37 | 32 | 39 | 34 | 30 | 35 | 30 | 27 | 24 |
| 7 | 59 | 46 | 38 | 32 | 56 | 44 | 36 | 31 | 40 | 33 | 29 | 36 | 30 | 26 | 32 | 27 | 24 | 22 |
| 8 | 55 | 42 | 34 | 28 | 52 | 40 | 33 | 27 | 36 | 30 | 25 | 33 | 27 | 23 | 29 | 25 | 21 | 19 |
| 9 | 52 | 39 | 31 | 25 | 48 | 37 | 30 | 25 | 33 | 27 | 23 | 30 | 25 | 21 | 27 | 23 | 19 | 17 |
| 10 | 48 | 36 | 28 | 23 | 45 | 34 | 27 | 22 | 31 | 25 | 21 | 28 | 23 | 19 | 25 | 21 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7251 | 7251 | 7251 |
| 5° | 7265 | 7116 | 7139 |
| 10° | 7213 | 6989 | 6979 |
| 15° | 7128 | 6837 | 6775 |
| 20° | 7012 | 6650 | 6572 |
| 25° | 6874 | 6448 | 6320 |
| 30° | 6707 | 6226 | 6092 |
| 35° | 6552 | 6023 | 5884 |
| 40° | 6393 | 5809 | 5674 |
| 45° | 6214 | 5626 | 5487 |
| 50° | 6043 | 5427 | 5322 |
| 55° | 5837 | 5239 | 5128 |
| 60° | 5611 | 5024 | 4931 |
| 65° | 5377 | 4800 | 4709 |
| 70° | 5112 | 4494 | 4480 |
| 75° | 4688 | 4200 | 4198 |
| 80° | 4134 | 3842 | 3893 |
| 85° | 3621 | 3600 | 3798 |



TEST NUMBER: P333433-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 106.2 | 2.2 |
| 10°-20° | 301.3 | 6.3 |
| 20°-30° | 448.2 | 9.3 |
| 30°-40° | 530.9 | 11.1 |
| 40°-50° | 548.9 | 11.4 |
| 50°-60° | 505.6 | 10.5 |
| 60°-70° | 408.7 | 8.5 |
| 70°-80° | 273.7 | 5.7 |
| 80°-90° | 143.0 | 3.0 |
| 90°-100° | 111.5 | 2.3 |
| 100°-110° | 152.7 | 3.2 |
| 110°-120° | 198.4 | 4.1 |
| 120°-130° | 231.7 | 4.8 |
| 130°-140° | 244.3 | 5.1 |
| 140°-150° | 231.9 | 4.8 |
| 150°-160° | 193.1 | 4.0 |
| 160°-170° | 128.4 | 2.7 |
| 170°-180° | 44.9 | 0.9 |
| 0°-30° | 855.7 | 17.8 |
| 0°-40° | 1386.5 | 28.9 |
| 0°-60° | 2441.0 | 50.8 |
| 0°-90° | 3266.4 | 68.0 |
| 90°-120° | 462.5 | 9.6 |
| 90°-150° | 1170.4 | 24.4 |
| 90°-180° | 1537.0 | 32.0 |
| 0°-180° | 4803.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1123 | 1123 | 1123 | 1123 | 1123 | |
| 5° | 1123 | 1120 | 1113 | 1121 | 1120 | 106 |
| 15° | 1072 | 1073 | 1065 | 1071 | 1068 | 302 |
| 25° | 974 | 977 | 971 | 975 | 970 | 448 |
| 35° | 843 | 850 | 848 | 851 | 851 | 527 |
| 45° | 694 | 706 | 712 | 719 | 721 | 536 |
| 55° | 534 | 551 | 569 | 581 | 586 | 477 |
| 65° | 368 | 393 | 419 | 435 | 440 | 365 |
| 75° | 202 | 232 | 266 | 287 | 294 | 215 |
| 85° | 60 | 97 | 135 | 159 | 168 | 64 |
| 90° | 18 | 56 | 96 | 122 | 132 | 13 |
| 95° | 38 | 68 | 109 | 135 | 144 | 37 |
| 105° | 94 | 115 | 149 | 172 | 182 | 100 |
| 115° | 166 | 176 | 204 | 223 | 230 | 164 |
| 125° | 237 | 239 | 260 | 277 | 282 | 212 |
| 135° | 304 | 306 | 314 | 327 | 332 | 235 |
| 145° | 367 | 368 | 369 | 374 | 378 | 229 |
| 155° | 419 | 419 | 419 | 421 | 419 | 193 |
| 165° | 456 | 455 | 455 | 457 | 454 | 128 |
| 175° | 474 | 472 | 472 | 474 | 472 | 45 |
| 180° | 475 | 475 | 475 | 475 | 475 | |



TEST NUMBER: P333433-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 |
| 2.5° | 1125.3 | 1124.9 | 1124.5 | 1124.1 | 1123.7 | 1122.8 | 1121.4 | 1120.1 | 1118.8 | 1117.4 | 1118.8 |
| 5° | 1122.7 | 1122.2 | 1121.7 | 1121.2 | 1120.7 | 1119.6 | 1117.9 | 1116.1 | 1114.4 | 1112.7 | 1114.7 |
| 7.5° | 1112.7 | 1112.6 | 1112.3 | 1112.1 | 1112.0 | 1111.0 | 1109.2 | 1107.4 | 1105.7 | 1103.9 | 1105.6 |
| 10° | 1103.9 | 1103.9 | 1103.9 | 1103.9 | 1103.9 | 1102.9 | 1101.0 | 1099.0 | 1097.1 | 1095.1 | 1096.8 |
| 12.5° | 1091.6 | 1091.8 | 1092.0 | 1092.2 | 1092.4 | 1091.7 | 1090.1 | 1088.6 | 1087.0 | 1085.4 | 1086.8 |
| 15° | 1072.0 | 1072.3 | 1072.5 | 1072.8 | 1073.0 | 1072.3 | 1070.6 | 1068.9 | 1067.1 | 1065.4 | 1066.9 |
| 17.5° | 1046.4 | 1046.9 | 1047.4 | 1047.9 | 1048.4 | 1047.8 | 1046.1 | 1044.4 | 1042.7 | 1041.0 | 1042.1 |
| 20° | 1028.0 | 1028.5 | 1029.0 | 1029.5 | 1030.0 | 1029.3 | 1027.6 | 1025.9 | 1024.2 | 1022.5 | 1023.2 |
| 22.5° | 1006.8 | 1007.7 | 1008.6 | 1009.5 | 1010.4 | 1009.8 | 1008.0 | 1006.1 | 1004.1 | 1002.2 | 1003.1 |
| 25° | 974.0 | 974.8 | 975.5 | 976.2 | 977.0 | 976.6 | 975.2 | 973.7 | 972.2 | 970.8 | 971.8 |
| 27.5° | 937.5 | 938.6 | 939.6 | 940.8 | 941.8 | 941.5 | 939.9 | 938.2 | 936.5 | 934.9 | 935.6 |
| 30° | 910.2 | 911.7 | 913.1 | 914.6 | 916.1 | 916.1 | 914.6 | 913.1 | 911.7 | 910.2 | 910.7 |
| 32.5° | 885.6 | 886.8 | 888.1 | 889.4 | 890.6 | 890.7 | 889.7 | 888.6 | 887.5 | 886.5 | 887.0 |
| 35° | 843.1 | 844.8 | 846.5 | 848.2 | 849.9 | 850.4 | 849.7 | 849.0 | 848.2 | 847.5 | 848.2 |
| 37.5° | 800.6 | 802.2 | 803.7 | 805.3 | 806.8 | 807.6 | 807.3 | 807.1 | 806.8 | 806.6 | 807.6 |
| 40° | 771.5 | 773.5 | 775.4 | 777.4 | 779.3 | 780.2 | 780.0 | 779.8 | 779.5 | 779.3 | 780.2 |
| 42.5° | 739.8 | 742.4 | 744.9 | 747.5 | 750.0 | 751.5 | 752.1 | 752.6 | 753.2 | 753.7 | 754.9 |
| 45° | 694.5 | 697.2 | 699.9 | 702.5 | 705.2 | 707.2 | 708.4 | 709.6 | 710.9 | 712.1 | 713.8 |
| 47.5° | 648.1 | 650.5 | 653.1 | 655.5 | 658.0 | 660.3 | 662.4 | 664.6 | 666.7 | 668.7 | 671.2 |
| 50° | 616.4 | 619.1 | 621.7 | 624.4 | 627.1 | 629.8 | 632.5 | 635.2 | 637.9 | 640.6 | 643.3 |
| 52.5° | 582.9 | 586.2 | 589.5 | 592.7 | 596.0 | 599.2 | 602.6 | 605.8 | 609.1 | 612.4 | 615.3 |
| 55° | 533.8 | 537.7 | 541.6 | 545.5 | 549.4 | 553.3 | 557.3 | 561.2 | 565.1 | 569.0 | 571.7 |
| 57.5° | 483.6 | 488.3 | 493.0 | 497.7 | 502.4 | 507.0 | 511.5 | 516.0 | 520.5 | 525.0 | 528.1 |
| 60° | 450.1 | 455.0 | 459.9 | 464.8 | 469.7 | 474.6 | 479.5 | 484.4 | 489.3 | 494.2 | 497.8 |
| 62.5° | 417.6 | 422.5 | 427.4 | 432.3 | 437.2 | 442.2 | 447.5 | 452.8 | 458.1 | 463.3 | 467.4 |
| 65° | 367.6 | 373.2 | 378.9 | 384.5 | 390.1 | 395.8 | 401.7 | 407.6 | 413.4 | 419.3 | 423.0 |
| 67.5° | 320.5 | 326.0 | 331.3 | 336.8 | 342.2 | 347.9 | 353.9 | 359.9 | 365.8 | 371.8 | 376.3 |
| 70° | 286.2 | 291.8 | 297.4 | 303.0 | 308.7 | 314.6 | 321.0 | 327.3 | 333.7 | 340.1 | 344.7 |
| 72.5° | 252.7 | 258.5 | 264.3 | 270.2 | 276.0 | 282.3 | 289.3 | 296.3 | 303.2 | 310.1 | 315.2 |
| 75° | 202.5 | 208.9 | 215.2 | 221.6 | 228.0 | 235.1 | 242.9 | 250.7 | 258.5 | 266.4 | 271.3 |
| 77.5° | 154.3 | 161.7 | 169.0 | 176.3 | 183.7 | 191.1 | 198.6 | 206.2 | 213.7 | 221.2 | 226.6 |
| 80° | 124.3 | 131.7 | 139.0 | 146.3 | 153.7 | 161.5 | 169.8 | 178.1 | 186.5 | 194.8 | 200.2 |
| 82.5° | 97.1 | 104.8 | 112.5 | 120.3 | 128.0 | 136.1 | 144.6 | 153.1 | 161.7 | 170.2 | 175.4 |
| 85° | 60.5 | 68.6 | 76.6 | 84.7 | 92.8 | 101.1 | 109.7 | 118.2 | 126.8 | 135.3 | 140.7 |
| 87.5° | 34.4 | 42.4 | 50.3 | 58.3 | 66.3 | 74.4 | 82.8 | 91.3 | 99.7 | 108.2 | 113.9 |
| 90° | 18.0 | 26.5 | 35.0 | 43.5 | 51.9 | 60.6 | 69.5 | 78.4 | 87.2 | 96.1 | 102.2 |
| 92.5° | 24.8 | 32.5 | 40.2 | 47.9 | 55.6 | 64.1 | 73.3 | 82.5 | 91.7 | 100.9 | 106.9 |
| 95° | 38.3 | 44.8 | 51.4 | 57.9 | 64.4 | 72.2 | 81.4 | 90.5 | 99.6 | 108.8 | 114.8 |
| 97.5° | 52.9 | 58.7 | 64.5 | 70.3 | 76.1 | 83.5 | 92.7 | 101.8 | 111.0 | 120.2 | 125.8 |
| 100° | 63.8 | 69.0 | 74.1 | 79.2 | 84.4 | 91.4 | 100.3 | 109.2 | 118.1 | 126.9 | 132.8 |
| 102.5° | 75.7 | 80.7 | 85.9 | 90.9 | 96.0 | 102.6 | 110.8 | 119.0 | 127.1 | 135.3 | 141.0 |
| 105° | 94.2 | 98.5 | 102.8 | 107.1 | 111.5 | 117.6 | 125.4 | 133.2 | 141.0 | 148.9 | 154.3 |
| 107.5° | 114.7 | 118.5 | 122.2 | 126.0 | 129.6 | 135.3 | 142.7 | 150.1 | 157.5 | 164.9 | 170.0 |
| 110° | 128.9 | 132.2 | 135.6 | 138.9 | 142.3 | 147.5 | 154.6 | 161.7 | 168.8 | 175.9 | 180.8 |



TEST NUMBER: P333433-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 144.3 | 146.8 | 149.4 | 152.0 | 154.5 | 159.3 | 166.2 | 173.3 | 180.2 | 187.1 | 191.7 |
| 115° | 165.8 | 167.9 | 170.0 | 172.0 | 174.1 | 178.3 | 184.8 | 191.4 | 197.9 | 204.4 | 208.7 |
| 117.5° | 187.5 | 188.8 | 190.0 | 191.4 | 192.7 | 196.3 | 202.5 | 208.6 | 214.8 | 221.0 | 225.2 |
| 120° | 201.7 | 202.8 | 204.0 | 205.1 | 206.3 | 209.7 | 215.4 | 221.1 | 226.8 | 232.5 | 236.7 |
| 122.5° | 216.2 | 216.7 | 217.2 | 217.7 | 218.2 | 221.3 | 226.9 | 232.5 | 238.1 | 243.8 | 247.7 |
| 125° | 236.8 | 237.1 | 237.3 | 237.6 | 237.8 | 240.4 | 245.4 | 250.4 | 255.4 | 260.3 | 264.1 |
| 127.5° | 257.9 | 258.0 | 258.0 | 258.0 | 258.0 | 260.1 | 264.2 | 268.3 | 272.5 | 276.5 | 280.1 |
| 130° | 271.2 | 271.4 | 271.6 | 271.7 | 271.9 | 273.8 | 277.4 | 281.0 | 284.5 | 288.1 | 291.5 |
| 132.5° | 283.6 | 284.3 | 284.9 | 285.5 | 286.1 | 287.7 | 290.3 | 292.9 | 295.5 | 298.2 | 301.5 |
| 135° | 304.4 | 304.8 | 305.0 | 305.2 | 305.5 | 306.5 | 308.3 | 310.1 | 311.9 | 313.6 | 316.8 |
| 137.5° | 324.1 | 324.3 | 324.7 | 324.9 | 325.1 | 325.8 | 326.9 | 327.8 | 328.9 | 329.9 | 332.9 |
| 140° | 335.9 | 336.3 | 336.7 | 337.1 | 337.5 | 338.0 | 338.5 | 339.0 | 339.5 | 340.0 | 342.8 |
| 142.5° | 348.6 | 348.8 | 348.9 | 349.0 | 349.2 | 349.4 | 349.8 | 350.2 | 350.5 | 350.9 | 353.3 |
| 145° | 367.3 | 367.4 | 367.5 | 367.5 | 367.6 | 367.8 | 368.0 | 368.3 | 368.5 | 368.8 | 370.0 |
| 147.5° | 383.5 | 383.7 | 383.8 | 384.0 | 384.3 | 384.4 | 384.6 | 384.8 | 385.0 | 385.2 | 385.8 |
| 150° | 395.0 | 394.9 | 394.8 | 394.8 | 394.7 | 394.8 | 395.2 | 395.5 | 395.8 | 396.2 | 396.2 |
| 152.5° | 404.5 | 404.6 | 404.7 | 404.8 | 405.0 | 405.0 | 405.2 | 405.4 | 405.4 | 405.6 | 405.8 |
| 155° | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.1 | 419.2 | 419.3 | 419.4 | 419.7 |
| 157.5° | 432.0 | 431.9 | 431.7 | 431.5 | 431.3 | 431.3 | 431.4 | 431.5 | 431.5 | 431.6 | 431.9 |
| 160° | 439.8 | 439.5 | 439.2 | 439.0 | 438.7 | 438.6 | 438.7 | 438.8 | 438.9 | 439.0 | 439.4 |
| 162.5° | 446.5 | 446.4 | 446.2 | 446.0 | 445.8 | 445.7 | 445.7 | 445.7 | 445.8 | 445.8 | 446.2 |
| 165° | 455.6 | 455.4 | 455.3 | 455.1 | 454.9 | 454.9 | 455.0 | 455.1 | 455.2 | 455.3 | 455.6 |
| 167.5° | 463.3 | 463.0 | 462.7 | 462.4 | 462.0 | 461.9 | 461.9 | 461.9 | 461.9 | 461.9 | 462.4 |
| 170° | 467.4 | 467.1 | 466.8 | 466.4 | 466.1 | 465.9 | 465.9 | 465.9 | 465.9 | 465.9 | 466.4 |
| 172.5° | 470.4 | 470.1 | 469.8 | 469.4 | 469.1 | 469.0 | 469.0 | 469.0 | 469.0 | 469.0 | 469.4 |
| 175° | 473.8 | 473.4 | 473.0 | 472.7 | 472.4 | 472.2 | 472.2 | 472.2 | 472.2 | 472.2 | 472.7 |
| 177.5° | 475.4 | 475.2 | 474.9 | 474.7 | 474.3 | 474.2 | 474.2 | 474.1 | 474.0 | 473.9 | 474.3 |
| 180° | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 |



TEST NUMBER: P333433-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 | 1122.7 |
| 2.5° | 1120.1 | 1121.4 | 1122.8 | 1123.4 | 1123.2 | 1123.0 | 1122.8 | 1122.7 |
| 5° | 1116.6 | 1118.6 | 1120.5 | 1121.4 | 1121.2 | 1121.0 | 1120.7 | 1120.5 |
| 7.5° | 1107.3 | 1109.1 | 1110.8 | 1111.5 | 1111.3 | 1111.0 | 1110.8 | 1110.5 |
| 10° | 1098.5 | 1100.2 | 1102.0 | 1102.7 | 1102.4 | 1102.2 | 1102.0 | 1101.7 |
| 12.5° | 1088.1 | 1089.4 | 1090.7 | 1091.0 | 1090.5 | 1089.8 | 1089.2 | 1088.5 |
| 15° | 1068.4 | 1069.8 | 1071.3 | 1071.5 | 1070.6 | 1069.6 | 1068.6 | 1067.6 |
| 17.5° | 1043.3 | 1044.3 | 1045.5 | 1045.7 | 1045.1 | 1044.6 | 1044.0 | 1043.4 |
| 20° | 1023.9 | 1024.7 | 1025.4 | 1025.8 | 1025.8 | 1025.8 | 1025.8 | 1025.8 |
| 22.5° | 1004.1 | 1005.0 | 1005.9 | 1006.1 | 1005.5 | 1004.9 | 1004.4 | 1003.8 |
| 25° | 972.7 | 973.7 | 974.7 | 974.5 | 973.3 | 972.1 | 970.9 | 969.6 |
| 27.5° | 936.2 | 936.9 | 937.6 | 937.8 | 937.3 | 936.9 | 936.4 | 936.0 |
| 30° | 911.2 | 911.7 | 912.2 | 912.3 | 912.1 | 911.8 | 911.6 | 911.3 |
| 32.5° | 887.5 | 887.9 | 888.4 | 888.5 | 888.3 | 888.0 | 887.8 | 887.5 |
| 35° | 849.0 | 849.7 | 850.4 | 850.8 | 850.8 | 850.8 | 850.8 | 850.8 |
| 37.5° | 808.5 | 809.5 | 810.5 | 810.9 | 810.8 | 810.7 | 810.6 | 810.5 |
| 40° | 781.2 | 782.2 | 783.2 | 783.9 | 784.4 | 784.9 | 785.4 | 785.9 |
| 42.5° | 756.0 | 757.2 | 758.4 | 759.0 | 759.1 | 759.2 | 759.4 | 759.5 |
| 45° | 715.5 | 717.2 | 718.9 | 719.9 | 720.2 | 720.4 | 720.6 | 720.9 |
| 47.5° | 673.8 | 676.2 | 678.7 | 680.2 | 680.8 | 681.3 | 681.8 | 682.4 |
| 50° | 646.0 | 648.7 | 651.3 | 653.1 | 653.8 | 654.5 | 655.3 | 656.0 |
| 52.5° | 618.2 | 621.0 | 623.9 | 625.7 | 626.1 | 626.7 | 627.3 | 627.8 |
| 55° | 574.4 | 577.1 | 579.8 | 581.6 | 582.6 | 583.6 | 584.6 | 585.5 |
| 57.5° | 531.2 | 534.3 | 537.4 | 539.2 | 540.0 | 540.7 | 541.4 | 542.2 |
| 60° | 501.5 | 505.2 | 508.8 | 511.0 | 511.8 | 512.5 | 513.2 | 514.0 |
| 62.5° | 471.5 | 475.6 | 479.6 | 482.1 | 483.1 | 484.0 | 484.9 | 485.8 |
| 65° | 426.6 | 430.3 | 434.0 | 436.3 | 437.3 | 438.3 | 439.3 | 440.3 |
| 67.5° | 380.7 | 385.1 | 389.6 | 392.5 | 393.7 | 395.0 | 396.2 | 397.5 |
| 70° | 349.4 | 354.0 | 358.7 | 361.7 | 363.2 | 364.7 | 366.2 | 367.6 |
| 72.5° | 320.2 | 325.3 | 330.3 | 333.4 | 334.4 | 335.5 | 336.6 | 337.7 |
| 75° | 276.1 | 281.0 | 285.9 | 288.9 | 290.2 | 291.4 | 292.6 | 293.8 |
| 77.5° | 232.0 | 237.3 | 242.7 | 245.9 | 246.9 | 247.9 | 248.8 | 249.8 |
| 80° | 205.5 | 210.9 | 216.3 | 219.5 | 220.5 | 221.4 | 222.4 | 223.4 |
| 82.5° | 180.5 | 185.7 | 190.9 | 194.4 | 196.2 | 197.9 | 199.7 | 201.4 |
| 85° | 146.1 | 151.5 | 156.9 | 160.5 | 162.5 | 164.4 | 166.4 | 168.4 |
| 87.5° | 119.6 | 125.3 | 131.0 | 134.7 | 136.5 | 138.3 | 140.0 | 141.8 |
| 90° | 108.3 | 114.3 | 120.3 | 124.3 | 126.3 | 128.2 | 130.2 | 132.2 |
| 92.5° | 112.8 | 118.9 | 124.8 | 128.7 | 130.6 | 132.5 | 134.4 | 136.3 |
| 95° | 120.7 | 126.7 | 132.6 | 136.6 | 138.4 | 140.3 | 142.2 | 144.1 |
| 97.5° | 131.5 | 137.2 | 142.8 | 146.6 | 148.3 | 150.1 | 151.9 | 153.6 |
| 100° | 138.8 | 144.6 | 150.5 | 154.3 | 155.9 | 157.5 | 159.1 | 160.8 |
| 102.5° | 146.8 | 152.5 | 158.2 | 162.0 | 163.7 | 165.3 | 167.1 | 168.8 |
| 105° | 159.6 | 165.0 | 170.4 | 174.1 | 176.0 | 178.0 | 179.9 | 181.9 |
| 107.5° | 175.1 | 180.2 | 185.3 | 188.6 | 190.0 | 191.6 | 193.1 | 194.6 |
| 110° | 185.6 | 190.5 | 195.4 | 198.7 | 200.3 | 201.9 | 203.6 | 205.2 |



TEST NUMBER: P333433-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 196.2 | 200.8 | 205.4 | 208.5 | 210.0 | 211.6 | 213.2 | 214.7 |
| 115° | 213.0 | 217.4 | 221.7 | 224.5 | 225.9 | 227.3 | 228.7 | 230.1 |
| 117.5° | 229.4 | 233.7 | 237.9 | 240.7 | 242.0 | 243.4 | 244.7 | 246.0 |
| 120° | 240.8 | 245.0 | 249.2 | 251.8 | 253.0 | 254.1 | 255.3 | 256.4 |
| 122.5° | 251.6 | 255.5 | 259.4 | 262.0 | 263.2 | 264.3 | 265.5 | 266.8 |
| 125° | 267.8 | 271.6 | 275.3 | 277.8 | 278.9 | 280.1 | 281.2 | 282.3 |
| 127.5° | 283.6 | 287.1 | 290.7 | 293.1 | 294.3 | 295.6 | 296.9 | 298.2 |
| 130° | 294.8 | 298.2 | 301.5 | 303.7 | 304.8 | 305.8 | 306.9 | 307.9 |
| 132.5° | 304.8 | 308.2 | 311.5 | 313.6 | 314.4 | 315.2 | 316.0 | 316.8 |
| 135° | 320.0 | 323.2 | 326.4 | 328.4 | 329.3 | 330.2 | 331.1 | 332.0 |
| 137.5° | 335.8 | 338.8 | 341.9 | 343.6 | 344.1 | 344.7 | 345.3 | 345.8 |
| 140° | 345.7 | 348.5 | 351.4 | 353.1 | 353.7 | 354.2 | 354.8 | 355.3 |
| 142.5° | 355.7 | 358.1 | 360.5 | 362.0 | 362.6 | 363.1 | 363.7 | 364.3 |
| 145° | 371.2 | 372.4 | 373.7 | 374.6 | 375.4 | 376.1 | 376.8 | 377.6 |
| 147.5° | 386.4 | 386.9 | 387.5 | 387.8 | 387.7 | 387.5 | 387.4 | 387.3 |
| 150° | 396.2 | 396.2 | 396.2 | 396.2 | 396.2 | 396.3 | 396.4 | 396.5 |
| 152.5° | 406.0 | 406.2 | 406.3 | 406.3 | 406.1 | 405.9 | 405.6 | 405.4 |
| 155° | 420.0 | 420.4 | 420.7 | 420.7 | 420.3 | 419.9 | 419.5 | 419.1 |
| 157.5° | 432.3 | 432.6 | 432.9 | 432.8 | 432.3 | 431.7 | 431.2 | 430.6 |
| 160° | 439.7 | 440.0 | 440.3 | 440.3 | 439.9 | 439.4 | 439.0 | 438.6 |
| 162.5° | 446.6 | 446.9 | 447.4 | 447.4 | 446.9 | 446.4 | 445.9 | 445.4 |
| 165° | 455.9 | 456.2 | 456.6 | 456.5 | 456.0 | 455.5 | 455.0 | 454.5 |
| 167.5° | 462.8 | 463.3 | 463.8 | 463.8 | 463.3 | 462.8 | 462.3 | 461.8 |
| 170° | 466.9 | 467.4 | 468.0 | 467.9 | 467.3 | 466.8 | 466.2 | 465.6 |
| 172.5° | 469.9 | 470.4 | 470.9 | 470.9 | 470.3 | 469.9 | 469.4 | 468.9 |
| 175° | 473.2 | 473.8 | 474.3 | 474.2 | 473.6 | 473.0 | 472.5 | 471.9 |
| 177.5° | 474.7 | 475.2 | 475.6 | 475.5 | 475.1 | 474.6 | 474.1 | 473.7 |
| 180° | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 | 474.8 |

(END OF REPORT)