

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: P331551-927

Luminaire Tested: **S122DIW-S675D1440U927-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331551-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S675D1440U927-4F0-1E-UDD-D
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1440 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6695.7 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

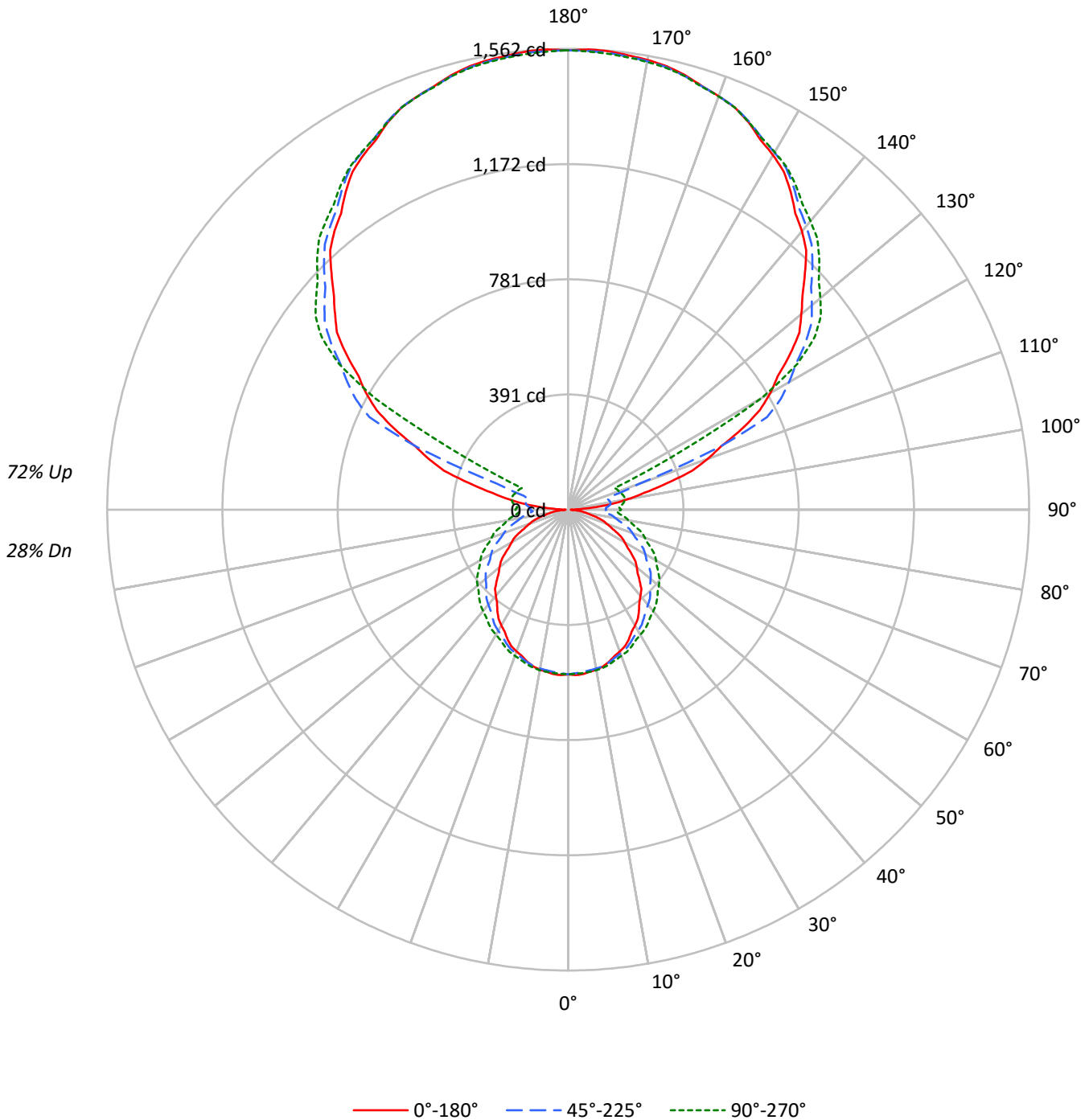
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331551-927

CATALOG NUMBER: S122DIW-S675D1440U927-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331551-927

CATALOG NUMBER: S122DIW-S675D1440U927-4F0-1E-UDD-D

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 | 53 | 53 | 53 | 36 | 36 | 36 | 28 |
| 1 | 92 | 88 | 83 | 80 | 82 | 78 | 75 | 72 | 61 | 59 | 57 | 45 | 44 | 42 | 31 | 30 | 29 | 22 |
| 2 | 83 | 76 | 70 | 64 | 74 | 68 | 63 | 58 | 53 | 49 | 46 | 39 | 37 | 35 | 26 | 25 | 24 | 18 |
| 3 | 76 | 66 | 59 | 53 | 67 | 59 | 53 | 48 | 46 | 42 | 38 | 34 | 31 | 29 | 23 | 21 | 20 | 15 |
| 4 | 69 | 58 | 51 | 45 | 61 | 52 | 46 | 40 | 41 | 36 | 32 | 30 | 27 | 24 | 20 | 18 | 17 | 12 |
| 5 | 63 | 52 | 44 | 38 | 56 | 46 | 40 | 34 | 36 | 31 | 28 | 27 | 24 | 21 | 18 | 16 | 14 | 11 |
| 6 | 58 | 46 | 38 | 32 | 52 | 42 | 35 | 30 | 33 | 28 | 24 | 24 | 21 | 18 | 17 | 14 | 13 | 9 |
| 7 | 54 | 42 | 34 | 28 | 48 | 37 | 31 | 26 | 29 | 24 | 21 | 22 | 18 | 16 | 15 | 13 | 11 | 8 |
| 8 | 50 | 37 | 30 | 25 | 44 | 34 | 27 | 22 | 27 | 22 | 18 | 20 | 17 | 14 | 14 | 11 | 10 | 7 |
| 9 | 46 | 34 | 27 | 22 | 41 | 31 | 24 | 20 | 24 | 20 | 16 | 18 | 15 | 12 | 13 | 10 | 9 | 6 |
| 10 | 43 | 31 | 24 | 19 | 38 | 28 | 22 | 18 | 22 | 18 | 14 | 17 | 13 | 11 | 12 | 9 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9009 | 9009 | 9009 |
| 5° | 9053 | 8672 | 8638 |
| 10° | 8996 | 8417 | 8321 |
| 15° | 8873 | 8146 | 7988 |
| 20° | 8716 | 7854 | 7665 |
| 25° | 8561 | 7573 | 7372 |
| 30° | 8343 | 7286 | 7079 |
| 35° | 8122 | 7007 | 6870 |
| 40° | 7890 | 6771 | 6665 |
| 45° | 7670 | 6558 | 6488 |
| 50° | 7431 | 6366 | 6313 |
| 55° | 7184 | 6161 | 6135 |
| 60° | 6882 | 5948 | 5948 |
| 65° | 6564 | 5697 | 5724 |
| 70° | 6211 | 5427 | 5485 |
| 75° | 5759 | 5163 | 5263 |
| 80° | 5048 | 4895 | 5040 |
| 85° | 4369 | 4658 | 4864 |



TEST NUMBER: P331551-927

CATALOG NUMBER: S122DIW-S675D1440U927-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.9 | 0.8 |
| 10°-20° | 151.6 | 2.3 |
| 20°-30° | 229.8 | 3.4 |
| 30°-40° | 279.8 | 4.2 |
| 40°-50° | 301.1 | 4.5 |
| 50°-60° | 292.4 | 4.4 |
| 60°-70° | 255.3 | 3.8 |
| 70°-80° | 196.5 | 2.9 |
| 80°-90° | 135.7 | 2.0 |
| 90°-100° | 142.8 | 2.1 |
| 100°-110° | 256.8 | 3.8 |
| 110°-120° | 553.0 | 8.3 |
| 120°-130° | 864.9 | 12.9 |
| 130°-140° | 904.1 | 13.5 |
| 140°-150° | 832.5 | 12.4 |
| 150°-160° | 667.9 | 10.0 |
| 160°-170° | 430.4 | 6.4 |
| 170°-180° | 148.2 | 2.2 |
| 0°-30° | 434.3 | 6.5 |
| 0°-40° | 714.1 | 10.7 |
| 0°-60° | 1307.5 | 19.5 |
| 0°-90° | 1895.1 | 28.3 |
| 90°-120° | 952.6 | 14.2 |
| 90°-150° | 3554.1 | 53.1 |
| 90°-180° | 4801.0 | 71.7 |
| 0°-180° | 6695.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 558 | 558 | 558 | 558 | 558 | |
| 5° | 560 | 557 | 552 | 557 | 556 | 53 |
| 15° | 534 | 535 | 535 | 542 | 542 | 150 |
| 25° | 485 | 491 | 498 | 507 | 510 | 223 |
| 35° | 418 | 432 | 447 | 464 | 471 | 261 |
| 45° | 343 | 365 | 393 | 417 | 426 | 265 |
| 55° | 263 | 293 | 334 | 362 | 374 | 235 |
| 65° | 180 | 220 | 267 | 299 | 310 | 178 |
| 75° | 100 | 145 | 196 | 230 | 242 | 105 |
| 85° | 29 | 79 | 131 | 164 | 176 | 31 |
| 90° | 9 | 69 | 129 | 166 | 179 | 9 |
| 95° | 80 | 84 | 137 | 172 | 182 | 95 |
| 105° | 347 | 386 | 138 | 177 | 192 | 371 |
| 115° | 651 | 681 | 744 | 270 | 174 | 641 |
| 125° | 918 | 934 | 980 | 1008 | 1020 | 818 |
| 135° | 1134 | 1152 | 1170 | 1197 | 1203 | 876 |
| 145° | 1315 | 1315 | 1333 | 1345 | 1344 | 822 |
| 155° | 1448 | 1439 | 1451 | 1457 | 1449 | 667 |
| 165° | 1526 | 1519 | 1522 | 1529 | 1522 | 431 |
| 175° | 1560 | 1553 | 1555 | 1562 | 1551 | 148 |
| 180° | 1557 | 1557 | 1557 | 1557 | 1557 | |



TEST NUMBER: P331551-927

CATALOG NUMBER: S122DIW-S675D1440U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 |
| 2.5° | 561.3 | 560.8 | 560.4 | 559.9 | 559.5 | 558.8 | 557.8 | 556.7 | 555.8 | 554.8 | 555.5 |
| 5° | 559.6 | 559.0 | 558.6 | 558.0 | 557.5 | 556.7 | 555.6 | 554.5 | 553.4 | 552.3 | 553.4 |
| 7.5° | 554.6 | 554.2 | 553.9 | 553.5 | 553.2 | 552.5 | 551.8 | 550.9 | 550.1 | 549.3 | 550.6 |
| 10° | 550.7 | 550.3 | 550.0 | 549.6 | 549.3 | 548.8 | 548.3 | 547.8 | 547.2 | 546.7 | 548.1 |
| 12.5° | 544.2 | 544.3 | 544.4 | 544.5 | 544.5 | 544.4 | 544.0 | 543.6 | 543.2 | 542.8 | 544.2 |
| 15° | 533.8 | 534.1 | 534.5 | 534.8 | 535.2 | 535.4 | 535.4 | 535.4 | 535.4 | 535.4 | 536.9 |
| 17.5° | 520.1 | 520.9 | 521.7 | 522.4 | 523.2 | 523.9 | 524.4 | 525.0 | 525.5 | 526.2 | 527.8 |
| 20° | 511.1 | 512.0 | 512.9 | 513.8 | 514.7 | 515.5 | 516.2 | 517.0 | 517.7 | 518.4 | 520.4 |
| 22.5° | 501.4 | 502.4 | 503.5 | 504.5 | 505.6 | 506.6 | 507.6 | 508.6 | 509.6 | 510.6 | 512.6 |
| 25° | 485.2 | 486.5 | 487.7 | 489.0 | 490.3 | 491.7 | 493.3 | 495.0 | 496.5 | 498.1 | 500.3 |
| 27.5° | 465.8 | 467.9 | 469.9 | 472.0 | 474.0 | 476.0 | 477.9 | 479.8 | 481.7 | 483.6 | 486.3 |
| 30° | 452.9 | 455.2 | 457.6 | 459.9 | 462.2 | 464.5 | 466.9 | 469.2 | 471.6 | 473.9 | 476.7 |
| 32.5° | 438.6 | 441.2 | 443.9 | 446.5 | 449.2 | 451.9 | 454.6 | 457.3 | 460.1 | 462.9 | 466.2 |
| 35° | 418.1 | 421.1 | 424.2 | 427.2 | 430.3 | 433.6 | 437.0 | 440.4 | 443.8 | 447.2 | 451.1 |
| 37.5° | 395.8 | 399.3 | 402.8 | 406.3 | 409.9 | 413.8 | 418.3 | 422.7 | 427.1 | 431.5 | 435.9 |
| 40° | 380.9 | 384.8 | 388.8 | 392.8 | 396.7 | 401.1 | 406.0 | 410.8 | 415.7 | 420.5 | 425.2 |
| 42.5° | 366.7 | 370.6 | 374.5 | 378.5 | 382.5 | 387.2 | 392.8 | 398.4 | 403.9 | 409.6 | 414.6 |
| 45° | 342.9 | 347.8 | 352.6 | 357.4 | 362.3 | 367.9 | 374.1 | 380.5 | 386.7 | 393.0 | 398.6 |
| 47.5° | 319.4 | 324.7 | 330.0 | 335.3 | 340.6 | 346.9 | 354.3 | 361.6 | 369.0 | 376.4 | 382.2 |
| 50° | 303.2 | 308.9 | 314.4 | 320.0 | 325.5 | 332.4 | 340.5 | 348.6 | 356.6 | 364.7 | 370.8 |
| 52.5° | 287.7 | 293.6 | 299.4 | 305.3 | 311.2 | 318.4 | 326.9 | 335.4 | 343.9 | 352.4 | 358.7 |
| 55° | 262.8 | 269.3 | 275.8 | 282.3 | 288.7 | 296.6 | 305.9 | 315.3 | 324.6 | 334.0 | 340.5 |
| 57.5° | 238.2 | 245.6 | 252.9 | 260.2 | 267.4 | 275.8 | 285.3 | 294.9 | 304.4 | 313.9 | 320.9 |
| 60° | 220.8 | 228.5 | 236.2 | 244.0 | 251.7 | 260.7 | 270.9 | 281.1 | 291.4 | 301.7 | 308.5 |
| 62.5° | 205.3 | 213.3 | 221.3 | 229.3 | 237.3 | 246.4 | 256.7 | 266.9 | 277.2 | 287.4 | 294.7 |
| 65° | 179.5 | 188.3 | 197.2 | 206.0 | 214.8 | 224.4 | 235.0 | 245.7 | 256.3 | 266.9 | 274.3 |
| 67.5° | 155.9 | 165.1 | 174.4 | 183.5 | 192.7 | 202.7 | 213.6 | 224.4 | 235.3 | 246.1 | 253.6 |
| 70° | 139.1 | 148.5 | 157.8 | 167.2 | 176.5 | 186.7 | 197.9 | 209.0 | 220.1 | 231.3 | 239.0 |
| 72.5° | 123.6 | 133.2 | 142.8 | 152.5 | 162.1 | 172.5 | 183.9 | 195.1 | 206.4 | 217.7 | 225.3 |
| 75° | 99.5 | 109.6 | 119.6 | 129.7 | 139.7 | 150.5 | 162.0 | 173.5 | 185.0 | 196.5 | 204.2 |
| 77.5° | 76.2 | 86.7 | 97.3 | 107.7 | 118.3 | 129.4 | 141.1 | 152.8 | 164.5 | 176.1 | 183.9 |
| 80° | 60.7 | 71.6 | 82.5 | 93.6 | 104.5 | 115.8 | 127.5 | 139.2 | 150.8 | 162.6 | 170.1 |
| 82.5° | 47.7 | 58.5 | 69.3 | 80.2 | 91.0 | 102.3 | 114.2 | 126.0 | 137.8 | 149.6 | 157.2 |
| 85° | 29.2 | 40.2 | 51.4 | 62.5 | 73.7 | 85.0 | 96.5 | 108.0 | 119.5 | 131.0 | 138.6 |
| 87.5° | 16.1 | 27.3 | 38.6 | 49.8 | 61.2 | 72.7 | 84.6 | 96.5 | 108.4 | 120.3 | 127.9 |
| 90° | 9.2 | 22.4 | 35.6 | 48.7 | 61.9 | 75.3 | 88.8 | 102.3 | 115.7 | 129.3 | 137.8 |
| 92.5° | 30.2 | 39.7 | 49.1 | 58.5 | 68.0 | 78.7 | 90.9 | 102.9 | 115.0 | 127.1 | 134.8 |
| 95° | 79.7 | 79.9 | 80.1 | 80.2 | 80.4 | 86.8 | 99.3 | 111.9 | 124.4 | 137.0 | 145.0 |
| 97.5° | 151.0 | 135.2 | 119.5 | 103.7 | 87.9 | 87.2 | 101.6 | 116.1 | 130.5 | 144.9 | 152.5 |
| 100° | 205.1 | 177.4 | 149.8 | 122.2 | 94.5 | 87.8 | 102.1 | 116.5 | 130.8 | 145.1 | 153.8 |
| 102.5° | 264.0 | 262.8 | 261.6 | 260.4 | 259.2 | 245.7 | 219.8 | 194.0 | 168.2 | 142.4 | 151.5 |
| 105° | 346.6 | 359.3 | 372.0 | 384.7 | 397.4 | 374.3 | 315.3 | 256.3 | 197.3 | 138.2 | 147.3 |
| 107.5° | 441.7 | 451.9 | 462.2 | 472.4 | 482.6 | 451.2 | 378.2 | 305.1 | 232.2 | 159.1 | 162.4 |
| 110° | 502.3 | 511.2 | 520.1 | 528.9 | 537.7 | 510.4 | 446.9 | 383.3 | 319.7 | 256.2 | 236.9 |



TEST NUMBER: P331551-927

CATALOG NUMBER: S122DIW-S675D1440U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 560.1 | 567.7 | 575.4 | 583.0 | 590.7 | 589.9 | 580.4 | 570.8 | 561.3 | 551.8 | 466.2 |
| 115° | 651.1 | 657.3 | 663.5 | 669.8 | 676.0 | 686.3 | 700.6 | 715.0 | 729.4 | 743.7 | 633.1 |
| 117.5° | 731.6 | 737.7 | 743.7 | 749.8 | 755.8 | 764.7 | 776.5 | 788.3 | 800.1 | 811.8 | 789.2 |
| 120° | 791.1 | 795.6 | 800.0 | 804.5 | 809.0 | 817.1 | 828.8 | 840.5 | 852.2 | 863.9 | 871.9 |
| 122.5° | 841.5 | 845.8 | 850.1 | 854.3 | 858.6 | 866.5 | 878.1 | 889.9 | 901.5 | 913.1 | 919.9 |
| 125° | 917.6 | 920.8 | 924.1 | 927.3 | 930.7 | 937.5 | 948.0 | 958.5 | 969.0 | 979.5 | 986.1 |
| 127.5° | 987.2 | 990.6 | 994.1 | 997.5 | 1000.9 | 1006.7 | 1014.9 | 1023.1 | 1031.3 | 1039.5 | 1046.6 |
| 130° | 1031.4 | 1035.2 | 1039.0 | 1042.9 | 1046.7 | 1051.9 | 1058.4 | 1064.9 | 1071.4 | 1078.0 | 1085.1 |
| 132.5° | 1076.5 | 1079.7 | 1082.9 | 1086.2 | 1089.3 | 1093.8 | 1099.5 | 1105.2 | 1110.8 | 1116.5 | 1123.0 |
| 135° | 1134.2 | 1138.2 | 1142.2 | 1146.3 | 1150.2 | 1154.3 | 1158.3 | 1162.4 | 1166.4 | 1170.5 | 1176.8 |
| 137.5° | 1193.5 | 1196.3 | 1199.0 | 1201.8 | 1204.6 | 1207.6 | 1211.0 | 1214.3 | 1217.7 | 1221.0 | 1226.8 |
| 140° | 1232.2 | 1234.1 | 1235.9 | 1237.7 | 1239.5 | 1242.0 | 1245.2 | 1248.2 | 1251.3 | 1254.5 | 1259.6 |
| 142.5° | 1264.7 | 1266.3 | 1268.0 | 1269.6 | 1271.2 | 1273.6 | 1276.8 | 1280.1 | 1283.3 | 1286.5 | 1290.9 |
| 145° | 1314.9 | 1314.5 | 1314.3 | 1314.1 | 1313.8 | 1315.8 | 1320.1 | 1324.4 | 1328.6 | 1332.8 | 1335.7 |
| 147.5° | 1359.2 | 1358.3 | 1357.3 | 1356.4 | 1355.4 | 1357.0 | 1361.2 | 1365.5 | 1369.7 | 1373.9 | 1375.3 |
| 150° | 1388.1 | 1386.3 | 1384.6 | 1382.8 | 1381.0 | 1382.2 | 1386.2 | 1390.2 | 1394.2 | 1398.2 | 1399.7 |
| 152.5° | 1412.4 | 1410.5 | 1408.5 | 1406.5 | 1404.6 | 1405.5 | 1409.3 | 1413.1 | 1416.9 | 1420.7 | 1422.2 |
| 155° | 1447.8 | 1445.5 | 1443.3 | 1441.0 | 1438.8 | 1439.2 | 1442.2 | 1445.2 | 1448.2 | 1451.1 | 1452.6 |
| 157.5° | 1475.5 | 1473.6 | 1471.7 | 1469.8 | 1467.9 | 1468.0 | 1470.1 | 1472.2 | 1474.3 | 1476.4 | 1478.1 |
| 160° | 1491.7 | 1490.2 | 1488.7 | 1487.2 | 1485.7 | 1485.7 | 1487.2 | 1488.7 | 1490.2 | 1491.7 | 1493.2 |
| 162.5° | 1506.1 | 1504.7 | 1503.2 | 1501.7 | 1500.2 | 1500.0 | 1501.3 | 1502.6 | 1504.0 | 1505.2 | 1507.0 |
| 165° | 1525.5 | 1524.0 | 1522.5 | 1521.0 | 1519.5 | 1519.2 | 1519.9 | 1520.6 | 1521.4 | 1522.1 | 1523.9 |
| 167.5° | 1539.9 | 1538.4 | 1536.9 | 1535.4 | 1533.9 | 1533.5 | 1534.2 | 1534.9 | 1535.6 | 1536.4 | 1538.1 |
| 170° | 1548.1 | 1546.6 | 1545.1 | 1543.6 | 1542.1 | 1541.5 | 1542.1 | 1542.5 | 1543.0 | 1543.6 | 1545.3 |
| 172.5° | 1553.5 | 1552.0 | 1550.5 | 1549.0 | 1547.4 | 1547.0 | 1547.4 | 1547.9 | 1548.5 | 1549.0 | 1550.7 |
| 175° | 1560.4 | 1558.7 | 1557.0 | 1555.2 | 1553.5 | 1552.8 | 1553.3 | 1553.8 | 1554.3 | 1554.8 | 1556.6 |
| 177.5° | 1561.5 | 1560.2 | 1558.8 | 1557.4 | 1555.9 | 1555.4 | 1555.5 | 1555.8 | 1555.9 | 1556.2 | 1557.6 |
| 180° | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 |



TEST NUMBER: P331551-927

CATALOG NUMBER: S122DIW-S675D1440U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 |
| 2.5° | 556.2 | 556.9 | 557.6 | 557.9 | 557.5 | 557.3 | 557.0 | 556.7 |
| 5° | 554.5 | 555.6 | 556.7 | 557.1 | 556.9 | 556.7 | 556.6 | 556.3 |
| 7.5° | 551.8 | 553.2 | 554.4 | 555.0 | 554.8 | 554.6 | 554.4 | 554.3 |
| 10° | 549.5 | 551.0 | 552.5 | 553.0 | 552.9 | 552.7 | 552.5 | 552.3 |
| 12.5° | 545.7 | 547.1 | 548.6 | 549.1 | 549.0 | 548.8 | 548.7 | 548.4 |
| 15° | 538.6 | 540.2 | 541.9 | 542.6 | 542.4 | 542.2 | 542.0 | 541.9 |
| 17.5° | 529.5 | 531.2 | 532.9 | 533.8 | 533.8 | 533.8 | 533.8 | 533.8 |
| 20° | 522.4 | 524.3 | 526.2 | 527.3 | 527.3 | 527.3 | 527.3 | 527.3 |
| 22.5° | 514.6 | 516.6 | 518.5 | 519.7 | 519.9 | 520.2 | 520.5 | 520.8 |
| 25° | 502.5 | 504.6 | 506.8 | 508.1 | 508.7 | 509.2 | 509.8 | 510.3 |
| 27.5° | 489.1 | 491.8 | 494.6 | 496.1 | 496.5 | 496.9 | 497.3 | 497.6 |
| 30° | 479.7 | 482.5 | 485.4 | 487.1 | 487.7 | 488.2 | 488.7 | 489.3 |
| 32.5° | 469.5 | 472.9 | 476.1 | 478.2 | 479.3 | 480.2 | 481.2 | 482.1 |
| 35° | 455.1 | 459.1 | 463.0 | 465.6 | 466.9 | 468.2 | 469.4 | 470.6 |
| 37.5° | 440.3 | 444.7 | 449.1 | 451.9 | 453.3 | 454.6 | 455.9 | 457.2 |
| 40° | 429.8 | 434.5 | 439.2 | 442.4 | 443.9 | 445.6 | 447.2 | 448.9 |
| 42.5° | 419.7 | 424.8 | 429.9 | 433.3 | 434.9 | 436.6 | 438.2 | 439.7 |
| 45° | 404.2 | 409.7 | 415.3 | 419.0 | 420.8 | 422.6 | 424.4 | 426.2 |
| 47.5° | 388.0 | 393.9 | 399.7 | 403.5 | 405.5 | 407.5 | 409.5 | 411.5 |
| 50° | 376.9 | 383.0 | 389.2 | 393.2 | 395.2 | 397.2 | 399.1 | 401.1 |
| 52.5° | 365.0 | 371.2 | 377.5 | 381.7 | 383.7 | 385.9 | 388.0 | 390.1 |
| 55° | 346.9 | 353.4 | 359.9 | 364.2 | 366.6 | 368.9 | 371.3 | 373.6 |
| 57.5° | 327.9 | 334.9 | 341.8 | 346.5 | 348.9 | 351.3 | 353.6 | 356.0 |
| 60° | 315.3 | 322.1 | 329.0 | 333.7 | 336.1 | 338.7 | 341.2 | 343.7 |
| 62.5° | 301.9 | 309.2 | 316.5 | 321.3 | 323.6 | 326.0 | 328.4 | 330.7 |
| 65° | 281.6 | 289.0 | 296.4 | 301.2 | 303.6 | 305.9 | 308.2 | 310.5 |
| 67.5° | 261.0 | 268.5 | 275.9 | 280.9 | 283.3 | 285.7 | 288.2 | 290.7 |
| 70° | 246.8 | 254.4 | 262.2 | 267.1 | 269.3 | 271.5 | 273.6 | 275.8 |
| 72.5° | 232.9 | 240.4 | 248.0 | 253.1 | 255.7 | 258.3 | 260.9 | 263.5 |
| 75° | 212.0 | 219.7 | 227.4 | 232.4 | 234.8 | 237.1 | 239.5 | 241.8 |
| 77.5° | 191.5 | 199.2 | 206.9 | 212.0 | 214.5 | 217.1 | 219.5 | 222.0 |
| 80° | 177.6 | 185.2 | 192.7 | 197.8 | 200.3 | 202.8 | 205.3 | 207.9 |
| 82.5° | 164.7 | 172.2 | 179.8 | 184.7 | 187.1 | 189.5 | 191.9 | 194.2 |
| 85° | 146.1 | 153.7 | 161.2 | 166.2 | 168.7 | 171.3 | 173.8 | 176.3 |
| 87.5° | 135.5 | 143.1 | 150.7 | 155.7 | 158.0 | 160.4 | 162.9 | 165.2 |
| 90° | 146.2 | 154.6 | 163.0 | 168.6 | 171.3 | 173.9 | 176.6 | 179.2 |
| 92.5° | 142.4 | 150.1 | 157.9 | 163.0 | 165.4 | 167.9 | 170.3 | 172.8 |
| 95° | 153.1 | 161.2 | 169.3 | 174.3 | 176.2 | 178.1 | 180.0 | 181.9 |
| 97.5° | 160.2 | 167.8 | 175.5 | 180.5 | 182.9 | 185.4 | 187.7 | 190.2 |
| 100° | 162.4 | 171.0 | 179.7 | 185.3 | 187.7 | 190.2 | 192.7 | 195.2 |
| 102.5° | 160.6 | 169.7 | 178.8 | 184.7 | 187.4 | 190.0 | 192.7 | 195.4 |
| 105° | 156.4 | 165.4 | 174.4 | 180.5 | 183.5 | 186.4 | 189.4 | 192.3 |
| 107.5° | 165.6 | 168.8 | 172.1 | 175.2 | 178.2 | 181.2 | 184.1 | 187.1 |
| 110° | 217.6 | 198.4 | 179.0 | 170.9 | 173.9 | 176.9 | 179.8 | 182.8 |



TEST NUMBER: P331551-927

CATALOG NUMBER: S122DIW-S675D1440U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 380.6 | 295.1 | 209.5 | 168.1 | 170.9 | 173.6 | 176.4 | 179.2 |
| 115° | 522.6 | 412.1 | 301.6 | 238.3 | 222.2 | 206.2 | 190.1 | 174.0 |
| 117.5° | 766.4 | 743.7 | 721.0 | 680.9 | 623.5 | 566.1 | 508.7 | 451.3 |
| 120° | 880.0 | 888.0 | 896.0 | 884.1 | 852.3 | 820.5 | 788.6 | 756.9 |
| 122.5° | 926.5 | 933.2 | 939.9 | 940.8 | 936.0 | 931.1 | 926.2 | 921.4 |
| 125° | 992.8 | 999.3 | 1006.0 | 1010.4 | 1012.8 | 1015.2 | 1017.6 | 1019.9 |
| 127.5° | 1053.5 | 1060.6 | 1067.5 | 1071.9 | 1073.6 | 1075.4 | 1077.1 | 1078.9 |
| 130° | 1092.1 | 1099.2 | 1106.3 | 1110.4 | 1111.6 | 1112.8 | 1114.0 | 1115.2 |
| 132.5° | 1129.5 | 1136.1 | 1142.6 | 1146.4 | 1147.6 | 1148.8 | 1150.0 | 1151.2 |
| 135° | 1183.0 | 1189.3 | 1195.6 | 1199.2 | 1200.2 | 1201.1 | 1202.1 | 1202.9 |
| 137.5° | 1232.6 | 1238.3 | 1244.0 | 1247.1 | 1247.4 | 1247.8 | 1248.2 | 1248.6 |
| 140° | 1264.7 | 1269.9 | 1275.0 | 1277.5 | 1277.3 | 1277.2 | 1276.9 | 1276.8 |
| 142.5° | 1295.2 | 1299.6 | 1303.9 | 1306.0 | 1305.7 | 1305.4 | 1305.0 | 1304.7 |
| 145° | 1338.6 | 1341.3 | 1344.2 | 1345.4 | 1345.0 | 1344.7 | 1344.3 | 1344.0 |
| 147.5° | 1376.7 | 1378.2 | 1379.7 | 1380.1 | 1379.4 | 1378.8 | 1378.2 | 1377.6 |
| 150° | 1401.2 | 1402.7 | 1404.2 | 1404.3 | 1403.1 | 1401.8 | 1400.6 | 1399.3 |
| 152.5° | 1423.7 | 1425.2 | 1426.7 | 1426.6 | 1425.0 | 1423.4 | 1421.7 | 1420.1 |
| 155° | 1454.1 | 1455.6 | 1457.1 | 1456.9 | 1454.9 | 1452.9 | 1450.9 | 1448.9 |
| 157.5° | 1479.8 | 1481.5 | 1483.2 | 1483.0 | 1481.1 | 1479.2 | 1477.2 | 1475.3 |
| 160° | 1494.7 | 1496.2 | 1497.7 | 1497.6 | 1495.9 | 1494.1 | 1492.3 | 1490.6 |
| 162.5° | 1508.6 | 1510.4 | 1512.0 | 1511.8 | 1509.7 | 1507.5 | 1505.4 | 1503.2 |
| 165° | 1525.7 | 1527.4 | 1529.1 | 1529.1 | 1527.4 | 1525.7 | 1523.9 | 1522.1 |
| 167.5° | 1539.8 | 1541.6 | 1543.3 | 1543.1 | 1540.9 | 1538.6 | 1536.4 | 1534.1 |
| 170° | 1547.1 | 1548.8 | 1550.5 | 1550.3 | 1548.1 | 1545.8 | 1543.6 | 1541.3 |
| 172.5° | 1552.4 | 1554.2 | 1555.9 | 1555.7 | 1553.5 | 1551.2 | 1549.0 | 1546.7 |
| 175° | 1558.3 | 1560.0 | 1561.8 | 1561.5 | 1558.9 | 1556.4 | 1553.9 | 1551.4 |
| 177.5° | 1558.9 | 1560.4 | 1561.8 | 1561.5 | 1559.7 | 1558.0 | 1556.2 | 1554.3 |
| 180° | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 | 1557.0 |

(END OF REPORT)