

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: P334091

Luminaire Tested: **S124DW-S575D830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DW-S575D830-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 575 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

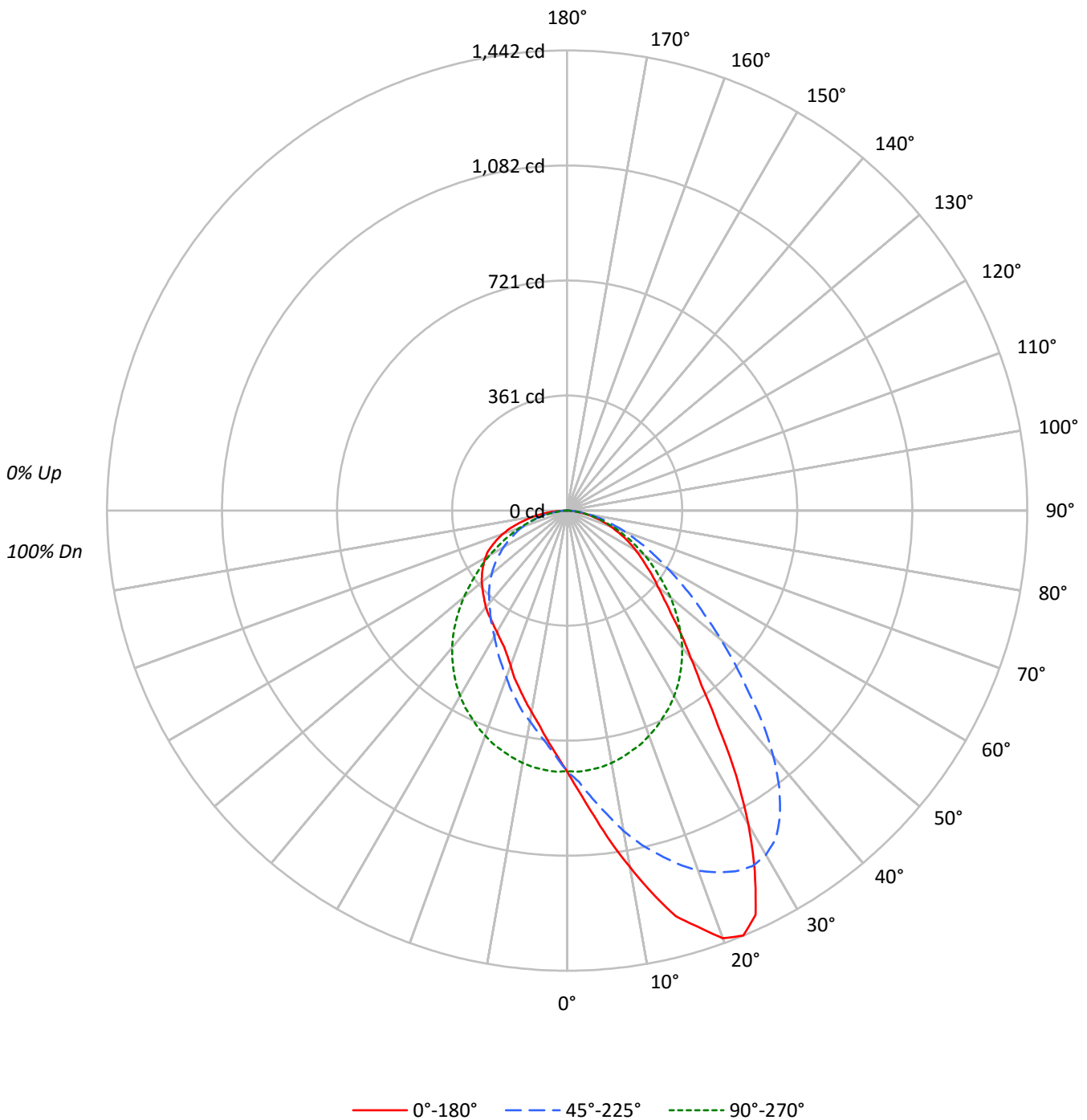
Lumens per Lamp: N/A
Luminaire Lumens: 2254.1 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.22 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Direct

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: P334091
CATALOG NUMBER: S124DW-S575D830-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P334091

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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 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 98 | 95 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 98 | 90 | 84 | 79 | 87 | 82 | 78 | 84 | 79 | 76 | 81 | 77 | 74 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 |
| 4 | 84 | 73 | 64 | 58 | 82 | 72 | 64 | 58 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 55 | 53 |
| 5 | 78 | 65 | 57 | 50 | 76 | 64 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 46 |
| 6 | 72 | 59 | 51 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 44 | 55 | 48 | 43 | 53 | 47 | 43 | 41 |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 39 | 52 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 38 | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 49 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 31 | 30 |
| 10 | 55 | 42 | 34 | 29 | 54 | 41 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 39 | 33 | 29 | 27 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|------|------|
| 0° | 6595 | 6595 | 6595 |
| 5° | 7766 | 6612 | 5836 |
| 10° | 9298 | 6583 | 5254 |
| 15° | 11001 | 6516 | 4825 |
| 20° | 12251 | 6448 | 4442 |
| 25° | 12448 | 6347 | 4178 |
| 30° | 10592 | 6252 | 4094 |
| 35° | 8143 | 6096 | 4095 |
| 40° | 6347 | 5912 | 4172 |
| 45° | 5293 | 5637 | 4241 |
| 50° | 4658 | 5300 | 4386 |
| 55° | 4267 | 4897 | 4563 |
| 60° | 3999 | 4535 | 4776 |
| 65° | 3723 | 4130 | 4951 |
| 70° | 3404 | 3729 | 5063 |
| 75° | 3041 | 3281 | 5003 |
| 80° | 2548 | 2692 | 4844 |
| 85° | 1880 | 1945 | 4641 |



TEST NUMBER: P334091

CATALOG NUMBER: S124DW-S575D830-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.5 | 3.5 |
| 10°-20° | 245.4 | 10.9 |
| 20°-30° | 389.8 | 17.3 |
| 30°-40° | 433.1 | 19.2 |
| 40°-50° | 393.9 | 17.5 |
| 50°-60° | 321.9 | 14.3 |
| 60°-70° | 229.8 | 10.2 |
| 70°-80° | 126.4 | 5.6 |
| 80°-90° | 34.2 | 1.5 |
| 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° | 714.7 | 31.7 |
| 0°-40° | 1147.9 | 50.9 |
| 0°-60° | 1863.7 | 82.7 |
| 0°-90° | 2254.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2254.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 817 | 817 | 817 | 817 | 817 | |
| 5° | 958 | 905 | 816 | 733 | 720 | 97 |
| 15° | 1316 | 1117 | 780 | 614 | 577 | 372 |
| 25° | 1398 | 1248 | 713 | 505 | 469 | 620 |
| 35° | 826 | 1164 | 619 | 417 | 416 | 523 |
| 45° | 464 | 803 | 494 | 346 | 372 | 364 |
| 55° | 303 | 484 | 348 | 270 | 324 | 274 |
| 65° | 195 | 269 | 216 | 188 | 259 | 193 |
| 75° | 98 | 126 | 105 | 105 | 160 | 103 |
| 85° | 20 | 26 | 21 | 30 | 50 | 25 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P334091

CATALOG NUMBER: S124DW-S575D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 |
| 2.5° | 882.5 | 882.2 | 878.8 | 878.1 | 875.7 | 872.7 | 872.0 | 866.6 | 855.8 | 850.7 | 849.4 |
| 5° | 958.3 | 965.1 | 956.3 | 954.6 | 953.6 | 942.4 | 936.7 | 929.9 | 914.3 | 905.2 | 898.1 |
| 7.5° | 1047.0 | 1047.3 | 1043.6 | 1039.9 | 1033.4 | 1024.0 | 1011.1 | 996.2 | 978.3 | 960.0 | 947.1 |
| 10° | 1134.3 | 1137.0 | 1132.6 | 1131.9 | 1114.6 | 1103.8 | 1082.2 | 1063.9 | 1042.9 | 1019.6 | 998.2 |
| 12.5° | 1226.3 | 1220.9 | 1219.2 | 1201.3 | 1201.6 | 1179.6 | 1153.6 | 1134.6 | 1099.4 | 1071.7 | 1041.6 |
| 15° | 1316.3 | 1308.9 | 1304.1 | 1284.2 | 1274.4 | 1247.0 | 1220.2 | 1199.6 | 1157.3 | 1117.0 | 1086.6 |
| 17.5° | 1368.4 | 1377.6 | 1365.4 | 1357.3 | 1330.5 | 1312.6 | 1285.9 | 1243.6 | 1212.1 | 1162.0 | 1127.2 |
| 20° | 1426.0 | 1426.6 | 1420.5 | 1412.1 | 1392.1 | 1367.8 | 1338.0 | 1290.6 | 1251.0 | 1201.3 | 1148.5 |
| 22.5° | 1441.5 | 1441.5 | 1439.8 | 1432.1 | 1418.2 | 1399.6 | 1369.5 | 1331.9 | 1281.8 | 1226.7 | 1173.9 |
| 25° | 1397.5 | 1396.2 | 1399.2 | 1408.0 | 1402.3 | 1396.2 | 1378.9 | 1349.5 | 1304.8 | 1247.6 | 1190.8 |
| 27.5° | 1273.0 | 1281.8 | 1300.1 | 1321.7 | 1337.3 | 1351.2 | 1350.2 | 1337.6 | 1305.8 | 1256.4 | 1195.9 |
| 30° | 1136.3 | 1147.8 | 1160.7 | 1182.3 | 1224.3 | 1248.3 | 1274.7 | 1294.7 | 1283.5 | 1245.9 | 1190.4 |
| 32.5° | 986.1 | 986.7 | 1007.4 | 1032.8 | 1070.3 | 1122.1 | 1167.8 | 1213.5 | 1233.1 | 1217.9 | 1173.9 |
| 35° | 826.3 | 831.1 | 851.7 | 876.1 | 923.1 | 979.6 | 1042.6 | 1098.7 | 1145.1 | 1163.7 | 1140.0 |
| 37.5° | 692.3 | 707.2 | 722.8 | 750.5 | 793.5 | 844.6 | 912.3 | 982.3 | 1050.4 | 1091.6 | 1096.0 |
| 40° | 602.3 | 610.8 | 621.3 | 641.2 | 676.4 | 726.5 | 782.7 | 865.9 | 939.4 | 1005.7 | 1027.3 |
| 42.5° | 531.3 | 535.3 | 540.7 | 558.3 | 583.0 | 632.8 | 682.9 | 753.6 | 827.4 | 909.9 | 949.9 |
| 45° | 463.6 | 468.7 | 479.5 | 490.0 | 510.3 | 544.8 | 592.5 | 652.7 | 726.9 | 803.3 | 870.3 |
| 47.5° | 412.8 | 416.2 | 423.0 | 434.5 | 452.8 | 476.1 | 516.7 | 567.8 | 640.2 | 714.3 | 786.1 |
| 50° | 370.9 | 373.6 | 378.7 | 388.8 | 402.0 | 422.3 | 454.1 | 501.2 | 555.0 | 629.7 | 699.8 |
| 52.5° | 337.7 | 338.4 | 341.8 | 347.9 | 357.7 | 373.9 | 398.6 | 435.5 | 484.6 | 549.2 | 618.9 |
| 55° | 303.2 | 304.5 | 307.9 | 313.0 | 322.1 | 333.0 | 352.9 | 382.0 | 425.7 | 483.6 | 544.1 |
| 57.5° | 274.8 | 276.1 | 278.8 | 280.9 | 289.0 | 298.1 | 314.4 | 335.3 | 369.5 | 421.0 | 476.1 |
| 60° | 247.7 | 247.0 | 250.4 | 252.1 | 257.2 | 264.6 | 276.5 | 296.4 | 325.2 | 364.8 | 414.5 |
| 62.5° | 221.3 | 220.3 | 223.0 | 225.4 | 227.7 | 233.8 | 243.0 | 257.5 | 279.5 | 314.4 | 355.6 |
| 65° | 194.9 | 193.6 | 195.2 | 198.0 | 200.7 | 204.0 | 211.2 | 225.0 | 243.6 | 269.4 | 302.2 |
| 67.5° | 167.8 | 169.5 | 169.5 | 171.2 | 172.9 | 177.7 | 182.7 | 193.6 | 206.8 | 227.7 | 256.8 |
| 70° | 144.2 | 144.5 | 145.8 | 145.8 | 146.9 | 150.9 | 155.0 | 160.7 | 173.6 | 192.5 | 215.2 |
| 72.5° | 120.5 | 122.2 | 121.1 | 122.5 | 123.2 | 125.5 | 128.2 | 133.7 | 144.2 | 157.0 | 175.3 |
| 75° | 97.5 | 98.5 | 98.5 | 98.8 | 99.8 | 100.8 | 103.2 | 107.3 | 115.1 | 125.5 | 138.7 |
| 77.5° | 75.1 | 75.1 | 75.8 | 77.2 | 77.2 | 78.8 | 80.9 | 83.9 | 88.3 | 96.1 | 104.6 |
| 80° | 54.8 | 55.5 | 55.2 | 55.8 | 55.8 | 57.2 | 57.9 | 61.9 | 63.6 | 68.4 | 74.8 |
| 82.5° | 36.5 | 37.2 | 37.2 | 38.2 | 38.9 | 38.9 | 39.9 | 40.9 | 42.6 | 46.7 | 48.4 |
| 85° | 20.3 | 21.0 | 20.3 | 21.0 | 22.0 | 22.3 | 23.3 | 23.7 | 25.0 | 26.1 | 28.4 |
| 87.5° | 7.4 | 8.5 | 8.5 | 8.8 | 9.5 | 9.8 | 10.2 | 9.8 | 11.2 | 11.5 | 12.9 |
| 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: P334091

CATALOG NUMBER: S124DW-S575D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 |
| 2.5° | 849.7 | 845.0 | 841.6 | 838.9 | 831.4 | 827.0 | 823.6 | 818.9 | 813.5 | 807.7 | 800.6 |
| 5° | 891.0 | 879.5 | 871.0 | 858.1 | 846.0 | 835.8 | 825.3 | 815.9 | 804.3 | 791.8 | 782.7 |
| 7.5° | 933.3 | 917.4 | 896.0 | 879.5 | 859.5 | 842.2 | 827.0 | 811.1 | 794.2 | 778.0 | 762.7 |
| 10° | 973.2 | 951.2 | 926.8 | 898.1 | 871.0 | 847.0 | 824.6 | 803.0 | 782.0 | 761.0 | 743.1 |
| 12.5° | 1016.2 | 987.4 | 948.5 | 913.6 | 882.5 | 848.3 | 820.3 | 792.5 | 766.1 | 743.8 | 722.1 |
| 15° | 1053.7 | 1014.1 | 972.5 | 927.5 | 887.6 | 850.0 | 813.1 | 779.6 | 751.2 | 722.1 | 701.8 |
| 17.5° | 1077.4 | 1028.4 | 983.7 | 936.7 | 890.6 | 843.6 | 805.4 | 767.8 | 732.6 | 704.2 | 678.8 |
| 20° | 1100.8 | 1052.0 | 992.8 | 945.8 | 888.3 | 839.5 | 793.5 | 750.5 | 713.3 | 682.5 | 656.1 |
| 22.5° | 1121.1 | 1062.9 | 1003.7 | 938.0 | 880.8 | 828.4 | 776.9 | 733.6 | 695.4 | 662.6 | 637.5 |
| 25° | 1125.8 | 1061.2 | 996.9 | 935.3 | 870.3 | 809.1 | 763.4 | 712.6 | 672.0 | 637.9 | 610.8 |
| 27.5° | 1127.5 | 1059.2 | 987.8 | 920.8 | 853.8 | 797.9 | 738.4 | 694.0 | 652.1 | 615.9 | 590.1 |
| 30° | 1123.8 | 1051.7 | 973.5 | 899.4 | 832.1 | 770.2 | 720.1 | 670.7 | 627.7 | 591.8 | 564.8 |
| 32.5° | 1111.9 | 1036.1 | 955.3 | 875.7 | 805.4 | 745.1 | 693.0 | 646.7 | 605.0 | 569.8 | 541.1 |
| 35° | 1086.9 | 1012.8 | 927.2 | 845.6 | 774.2 | 713.0 | 666.3 | 618.6 | 576.6 | 543.1 | 515.7 |
| 37.5° | 1053.4 | 984.4 | 897.4 | 812.5 | 743.8 | 681.5 | 634.5 | 590.5 | 552.6 | 518.1 | 489.6 |
| 40° | 1006.7 | 947.8 | 860.5 | 778.3 | 702.5 | 644.0 | 600.6 | 561.0 | 523.5 | 491.3 | 464.6 |
| 42.5° | 952.9 | 903.5 | 824.6 | 736.3 | 663.9 | 605.0 | 563.1 | 528.6 | 493.7 | 464.6 | 437.9 |
| 45° | 886.9 | 853.1 | 777.3 | 696.7 | 620.6 | 565.1 | 524.8 | 493.7 | 463.9 | 434.8 | 412.5 |
| 47.5° | 813.5 | 794.5 | 728.5 | 651.4 | 578.3 | 522.8 | 488.0 | 458.2 | 431.1 | 405.7 | 385.8 |
| 50° | 739.4 | 731.3 | 676.1 | 602.3 | 533.3 | 481.9 | 446.7 | 422.0 | 399.6 | 378.0 | 359.4 |
| 52.5° | 666.3 | 668.0 | 619.6 | 553.6 | 491.0 | 441.9 | 407.1 | 384.4 | 365.8 | 349.2 | 333.0 |
| 55° | 591.5 | 601.0 | 562.1 | 501.8 | 444.6 | 400.0 | 368.5 | 347.9 | 334.3 | 319.8 | 307.3 |
| 57.5° | 522.8 | 538.7 | 504.9 | 449.7 | 401.3 | 358.7 | 330.9 | 315.0 | 300.1 | 290.7 | 280.9 |
| 60° | 455.8 | 470.7 | 445.7 | 401.0 | 356.0 | 320.8 | 294.7 | 280.9 | 268.3 | 262.3 | 255.8 |
| 62.5° | 396.3 | 409.1 | 392.2 | 351.6 | 314.0 | 280.5 | 259.5 | 246.3 | 238.9 | 232.1 | 228.4 |
| 65° | 340.1 | 351.2 | 335.3 | 305.2 | 271.7 | 244.7 | 226.7 | 216.2 | 208.1 | 205.4 | 200.7 |
| 67.5° | 284.6 | 294.7 | 286.3 | 259.9 | 231.5 | 210.1 | 195.9 | 184.8 | 180.0 | 177.3 | 174.3 |
| 70° | 236.2 | 246.3 | 237.2 | 214.9 | 194.2 | 177.0 | 163.8 | 158.0 | 153.0 | 151.9 | 147.2 |
| 72.5° | 195.2 | 201.3 | 192.2 | 176.0 | 159.0 | 145.2 | 135.7 | 129.6 | 127.6 | 125.5 | 123.5 |
| 75° | 152.6 | 158.7 | 152.6 | 139.1 | 126.6 | 116.4 | 107.6 | 105.2 | 102.2 | 101.2 | 99.5 |
| 77.5° | 114.4 | 120.1 | 115.4 | 106.3 | 96.4 | 88.0 | 82.9 | 79.5 | 79.2 | 77.2 | 77.8 |
| 80° | 82.6 | 86.0 | 81.6 | 75.8 | 68.4 | 62.9 | 59.6 | 57.9 | 55.8 | 55.2 | 56.5 |
| 82.5° | 53.5 | 54.5 | 52.8 | 49.4 | 44.3 | 41.3 | 39.3 | 37.2 | 37.2 | 37.6 | 37.2 |
| 85° | 30.8 | 30.5 | 30.1 | 26.7 | 25.0 | 22.7 | 21.3 | 21.0 | 20.6 | 21.3 | 22.0 |
| 87.5° | 12.9 | 13.2 | 12.9 | 11.5 | 10.5 | 9.5 | 9.1 | 8.8 | 9.1 | 9.5 | 9.8 |
| 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: P334091

CATALOG NUMBER: S124DW-S575D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 | 816.9 |
| 2.5° | 797.2 | 794.2 | 789.8 | 783.7 | 778.6 | 773.2 | 771.9 | 769.8 | 773.9 | 770.5 | 769.5 |
| 5° | 774.9 | 767.8 | 758.7 | 748.2 | 742.1 | 733.3 | 731.6 | 728.2 | 724.8 | 724.5 | 721.1 |
| 7.5° | 751.6 | 741.7 | 730.2 | 719.4 | 709.9 | 700.5 | 694.4 | 693.7 | 688.3 | 685.6 | 682.2 |
| 10° | 729.2 | 716.4 | 702.5 | 692.3 | 680.8 | 670.7 | 663.6 | 659.5 | 656.1 | 652.4 | 649.0 |
| 12.5° | 702.8 | 689.0 | 678.1 | 667.0 | 652.7 | 645.6 | 632.8 | 625.0 | 625.0 | 626.0 | 615.9 |
| 15° | 683.5 | 670.0 | 652.4 | 636.8 | 629.4 | 614.5 | 608.1 | 600.0 | 594.9 | 589.8 | 585.7 |
| 17.5° | 659.9 | 643.3 | 629.7 | 612.1 | 598.3 | 587.1 | 578.3 | 573.9 | 565.8 | 558.3 | 553.3 |
| 20° | 637.9 | 619.9 | 605.4 | 586.4 | 570.9 | 556.3 | 549.2 | 542.4 | 536.7 | 530.6 | 524.8 |
| 22.5° | 615.5 | 596.6 | 578.0 | 559.7 | 545.5 | 529.9 | 523.1 | 513.3 | 507.9 | 505.2 | 499.5 |
| 25° | 591.8 | 571.5 | 551.2 | 533.6 | 518.7 | 505.2 | 496.1 | 489.0 | 482.9 | 480.2 | 476.4 |
| 27.5° | 566.1 | 546.2 | 526.9 | 506.6 | 489.3 | 479.5 | 472.1 | 466.3 | 462.6 | 458.5 | 456.8 |
| 30° | 541.8 | 520.8 | 499.8 | 481.2 | 465.6 | 455.8 | 449.0 | 445.3 | 442.6 | 440.9 | 439.2 |
| 32.5° | 517.1 | 496.4 | 474.1 | 457.5 | 444.0 | 435.5 | 430.8 | 427.0 | 426.0 | 425.7 | 425.4 |
| 35° | 490.3 | 469.3 | 449.0 | 433.8 | 420.6 | 417.2 | 412.8 | 410.8 | 410.1 | 412.5 | 413.5 |
| 37.5° | 464.6 | 445.0 | 426.0 | 410.8 | 402.0 | 396.6 | 394.9 | 394.6 | 396.9 | 399.0 | 401.3 |
| 40° | 439.9 | 421.0 | 403.4 | 390.5 | 382.4 | 379.3 | 378.7 | 380.3 | 383.1 | 385.4 | 388.1 |
| 42.5° | 415.9 | 397.3 | 381.7 | 369.9 | 364.8 | 362.1 | 362.8 | 364.4 | 368.5 | 371.5 | 375.9 |
| 45° | 390.8 | 375.3 | 359.7 | 349.9 | 345.2 | 345.8 | 345.8 | 348.9 | 352.6 | 357.0 | 361.4 |
| 47.5° | 367.5 | 351.6 | 338.4 | 329.9 | 327.6 | 326.5 | 328.2 | 332.3 | 337.4 | 342.4 | 348.5 |
| 50° | 343.8 | 328.9 | 317.7 | 310.3 | 307.6 | 308.6 | 311.3 | 315.0 | 321.5 | 328.2 | 334.7 |
| 52.5° | 319.8 | 306.6 | 296.4 | 289.7 | 288.0 | 290.0 | 292.7 | 299.1 | 304.5 | 312.0 | 320.1 |
| 55° | 294.7 | 283.2 | 275.1 | 270.0 | 269.4 | 270.4 | 273.4 | 279.8 | 288.0 | 297.1 | 304.5 |
| 57.5° | 270.0 | 260.2 | 252.4 | 248.7 | 249.1 | 249.7 | 254.5 | 262.3 | 270.4 | 280.2 | 289.7 |
| 60° | 245.0 | 236.2 | 230.1 | 227.4 | 227.7 | 229.8 | 235.9 | 243.0 | 253.8 | 263.3 | 273.4 |
| 62.5° | 221.3 | 213.9 | 208.1 | 205.7 | 205.1 | 210.1 | 215.9 | 223.3 | 234.2 | 245.0 | 256.2 |
| 65° | 195.6 | 189.5 | 184.8 | 183.4 | 184.4 | 187.8 | 195.2 | 205.1 | 214.2 | 225.4 | 236.9 |
| 67.5° | 170.5 | 165.5 | 162.1 | 162.8 | 163.8 | 168.5 | 174.9 | 183.4 | 193.6 | 205.1 | 216.9 |
| 70° | 146.9 | 142.1 | 139.4 | 139.8 | 141.8 | 147.9 | 153.3 | 161.7 | 172.9 | 184.8 | 194.2 |
| 72.5° | 122.5 | 119.8 | 117.4 | 119.1 | 121.1 | 124.9 | 132.0 | 140.4 | 149.9 | 160.7 | 170.9 |
| 75° | 97.8 | 97.8 | 96.4 | 97.5 | 100.5 | 104.6 | 109.6 | 118.4 | 128.2 | 137.0 | 145.2 |
| 77.5° | 76.8 | 75.8 | 76.5 | 77.5 | 79.5 | 84.6 | 90.3 | 96.8 | 104.6 | 113.7 | 120.5 |
| 80° | 55.5 | 55.8 | 57.5 | 59.6 | 60.2 | 64.0 | 70.0 | 75.8 | 81.6 | 89.0 | 95.4 |
| 82.5° | 38.2 | 38.6 | 39.3 | 42.0 | 42.6 | 46.7 | 50.1 | 55.8 | 60.9 | 65.3 | 70.4 |
| 85° | 22.7 | 22.7 | 24.4 | 25.4 | 27.1 | 29.8 | 32.1 | 35.5 | 40.3 | 43.7 | 48.7 |
| 87.5° | 10.8 | 10.8 | 12.2 | 12.9 | 13.9 | 15.6 | 16.2 | 20.0 | 21.3 | 23.0 | 26.1 |
| 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: P334091

CATALOG NUMBER: S124DW-S575D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 816.9 | 816.9 | 816.9 | 816.9 |
| 2.5° | 768.8 | 768.1 | 765.8 | 765.4 |
| 5° | 719.1 | 717.4 | 716.4 | 720.1 |
| 7.5° | 681.5 | 680.2 | 677.1 | 676.1 |
| 10° | 645.6 | 644.3 | 641.6 | 640.9 |
| 12.5° | 611.1 | 608.1 | 608.1 | 609.1 |
| 15° | 581.3 | 580.0 | 576.3 | 577.3 |
| 17.5° | 550.9 | 549.5 | 544.5 | 549.5 |
| 20° | 522.5 | 519.8 | 517.4 | 517.1 |
| 22.5° | 495.4 | 493.0 | 493.4 | 490.7 |
| 25° | 473.7 | 471.4 | 470.7 | 469.0 |
| 27.5° | 456.1 | 454.8 | 453.4 | 454.1 |
| 30° | 440.2 | 439.9 | 439.2 | 439.2 |
| 32.5° | 427.0 | 427.0 | 427.7 | 427.7 |
| 35° | 414.9 | 415.9 | 416.6 | 415.5 |
| 37.5° | 404.0 | 404.7 | 405.7 | 406.7 |
| 40° | 391.2 | 393.5 | 394.2 | 395.9 |
| 42.5° | 379.0 | 381.7 | 383.7 | 383.7 |
| 45° | 366.5 | 369.2 | 371.5 | 371.5 |
| 47.5° | 353.6 | 357.3 | 359.7 | 360.0 |
| 50° | 340.4 | 345.2 | 347.5 | 349.2 |
| 52.5° | 327.6 | 332.3 | 335.7 | 336.4 |
| 55° | 312.3 | 319.1 | 322.8 | 324.2 |
| 57.5° | 298.8 | 304.9 | 308.9 | 310.0 |
| 60° | 282.6 | 289.3 | 294.7 | 295.8 |
| 62.5° | 266.0 | 273.1 | 277.8 | 280.9 |
| 65° | 246.3 | 253.5 | 258.2 | 259.2 |
| 67.5° | 225.7 | 233.1 | 236.2 | 238.2 |
| 70° | 203.7 | 209.5 | 212.8 | 214.5 |
| 72.5° | 178.7 | 184.8 | 188.8 | 188.8 |
| 75° | 153.0 | 158.4 | 160.4 | 160.4 |
| 77.5° | 126.2 | 129.3 | 132.0 | 132.6 |
| 80° | 100.5 | 102.2 | 104.2 | 104.2 |
| 82.5° | 74.1 | 75.5 | 77.5 | 77.2 |
| 85° | 48.1 | 51.1 | 50.8 | 50.1 |
| 87.5° | 27.1 | 27.4 | 28.4 | 29.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)