

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: P333762

Luminaire Tested: **S122DS-S675D930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DS-S675D930-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 675 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2340.2 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

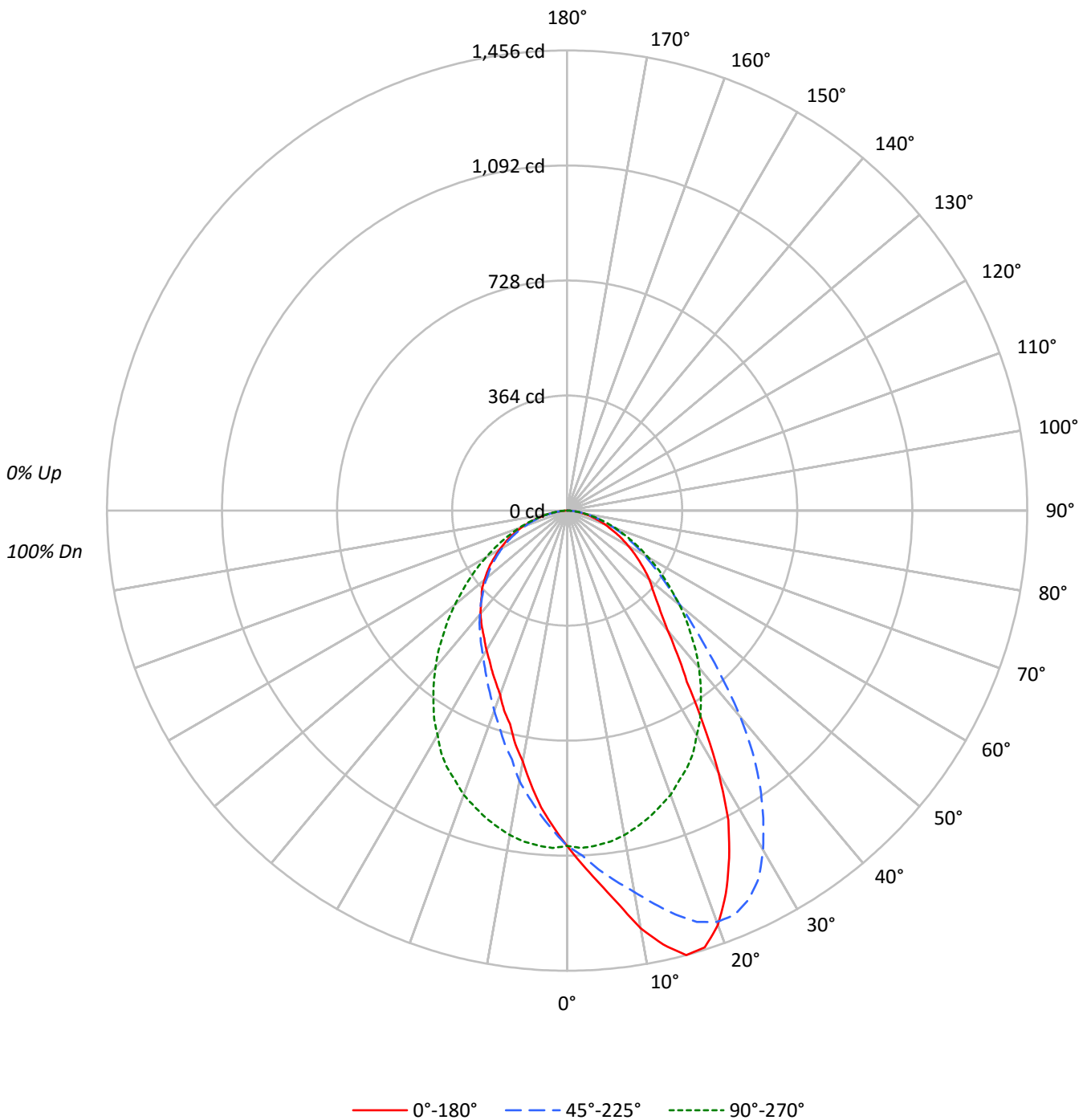
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333762

CATALOG NUMBER: S122DS-S675D930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333762

CATALOG NUMBER: S122DS-S675D930-4F0-1E-UDD-A

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 | 110 | 106 | 102 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | 86 |
| 2 | 101 | 94 | 87 | 82 | 98 | 92 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 74 |
| 3 | 93 | 83 | 76 | 70 | 90 | 82 | 75 | 69 | 79 | 73 | 68 | 76 | 71 | 67 | 74 | 69 | 66 | 64 |
| 4 | 86 | 75 | 66 | 60 | 83 | 73 | 66 | 60 | 71 | 64 | 59 | 69 | 63 | 58 | 66 | 62 | 58 | 55 |
| 5 | 79 | 67 | 59 | 53 | 77 | 66 | 58 | 52 | 64 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 51 | 49 |
| 6 | 74 | 61 | 53 | 47 | 72 | 60 | 52 | 46 | 58 | 51 | 46 | 57 | 51 | 46 | 55 | 50 | 45 | 43 |
| 7 | 69 | 56 | 48 | 42 | 67 | 55 | 47 | 42 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 39 |
| 8 | 64 | 51 | 43 | 38 | 63 | 51 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 35 |
| 9 | 60 | 47 | 39 | 34 | 59 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 32 |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 41 | 35 | 31 | 29 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 17128 | 17128 | 17128 |
| 5° | 19203 | 17240 | 15277 |
| 10° | 22004 | 17098 | 13221 |
| 15° | 24343 | 16786 | 11681 |
| 20° | 23971 | 16448 | 10648 |
| 25° | 21615 | 16001 | 9994 |
| 30° | 17862 | 15286 | 9516 |
| 35° | 13019 | 14536 | 9177 |
| 40° | 10397 | 13654 | 8987 |
| 45° | 9086 | 12632 | 8732 |
| 50° | 8540 | 11642 | 8560 |
| 55° | 7873 | 10638 | 8332 |
| 60° | 7214 | 9571 | 7979 |
| 65° | 6571 | 8615 | 7633 |
| 70° | 5967 | 7681 | 7119 |
| 75° | 5290 | 6638 | 6307 |
| 80° | 4547 | 5495 | 5077 |
| 85° | 4076 | 4076 | 3020 |



TEST NUMBER: P333762

CATALOG NUMBER: S122DS-S675D930-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 101.0 | 4.3 |
| 10°-20° | 294.1 | 12.6 |
| 20°-30° | 426.8 | 18.2 |
| 30°-40° | 449.9 | 19.2 |
| 40°-50° | 398.1 | 17.0 |
| 50°-60° | 317.8 | 13.6 |
| 60°-70° | 215.9 | 9.2 |
| 70°-80° | 110.5 | 4.7 |
| 80°-90° | 26.1 | 1.1 |
| 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° | 821.9 | 35.1 |
| 0°-40° | 1271.9 | 54.3 |
| 0°-60° | 1987.8 | 84.9 |
| 0°-90° | 2340.2 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2340.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1061 | 1061 | 1061 | 1061 | 1061 | |
| 5° | 1185 | 1140 | 1064 | 966 | 943 | 118 |
| 15° | 1456 | 1323 | 1004 | 764 | 699 | 403 |
| 25° | 1213 | 1358 | 898 | 597 | 561 | 550 |
| 35° | 660 | 1064 | 738 | 479 | 466 | 428 |
| 45° | 398 | 630 | 553 | 379 | 382 | 312 |
| 55° | 280 | 362 | 378 | 285 | 296 | 251 |
| 65° | 172 | 215 | 226 | 188 | 200 | 171 |
| 75° | 85 | 104 | 106 | 95 | 101 | 90 |
| 85° | 22 | 24 | 22 | 18 | 16 | 25 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P333762

CATALOG NUMBER: S122DS-S675D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 |
| 2.5° | 1122.0 | 1122.4 | 1123.2 | 1116.7 | 1115.9 | 1115.9 | 1110.2 | 1105.3 | 1099.6 | 1091.8 | 1092.6 |
| 5° | 1184.8 | 1189.2 | 1190.9 | 1186.0 | 1178.6 | 1177.8 | 1170.9 | 1159.5 | 1148.9 | 1140.3 | 1134.2 |
| 7.5° | 1257.3 | 1259.0 | 1255.7 | 1250.0 | 1245.1 | 1235.7 | 1224.3 | 1213.3 | 1197.0 | 1182.3 | 1171.7 |
| 10° | 1342.1 | 1344.6 | 1337.6 | 1328.3 | 1320.5 | 1309.1 | 1290.4 | 1271.2 | 1248.0 | 1225.5 | 1207.6 |
| 12.5° | 1406.5 | 1413.5 | 1404.1 | 1404.9 | 1390.2 | 1373.5 | 1350.3 | 1342.9 | 1307.9 | 1274.5 | 1254.9 |
| 15° | 1456.3 | 1455.9 | 1456.7 | 1448.9 | 1439.2 | 1436.7 | 1413.1 | 1387.4 | 1341.3 | 1323.0 | 1291.2 |
| 17.5° | 1448.9 | 1454.7 | 1457.9 | 1455.5 | 1453.8 | 1450.2 | 1440.0 | 1420.8 | 1395.5 | 1364.6 | 1326.6 |
| 20° | 1395.1 | 1403.3 | 1404.5 | 1413.9 | 1419.2 | 1426.1 | 1429.0 | 1424.5 | 1410.2 | 1385.3 | 1353.5 |
| 22.5° | 1312.0 | 1312.8 | 1317.3 | 1333.2 | 1346.2 | 1366.2 | 1376.8 | 1396.8 | 1393.5 | 1384.5 | 1359.3 |
| 25° | 1213.3 | 1209.2 | 1223.5 | 1230.8 | 1257.3 | 1285.1 | 1305.0 | 1327.0 | 1346.6 | 1358.4 | 1350.7 |
| 27.5° | 1104.0 | 1095.5 | 1117.1 | 1136.2 | 1155.0 | 1181.9 | 1212.1 | 1248.0 | 1275.3 | 1312.4 | 1321.3 |
| 30° | 958.1 | 961.8 | 982.1 | 1002.9 | 1035.5 | 1077.9 | 1113.0 | 1153.4 | 1197.0 | 1239.8 | 1269.6 |
| 32.5° | 800.7 | 817.4 | 828.4 | 863.1 | 890.8 | 939.3 | 994.8 | 1047.8 | 1104.9 | 1155.0 | 1205.1 |
| 35° | 660.5 | 676.8 | 694.7 | 718.0 | 758.3 | 805.2 | 855.3 | 923.4 | 997.6 | 1064.1 | 1118.7 |
| 37.5° | 571.6 | 568.7 | 579.7 | 596.9 | 631.5 | 671.9 | 731.4 | 800.7 | 889.6 | 963.4 | 1036.8 |
| 40° | 493.3 | 491.7 | 499.0 | 514.5 | 539.4 | 567.1 | 617.7 | 676.8 | 757.9 | 853.3 | 945.0 |
| 42.5° | 439.5 | 441.1 | 444.4 | 454.2 | 469.3 | 490.9 | 525.5 | 573.6 | 646.2 | 734.7 | 835.0 |
| 45° | 397.9 | 400.8 | 405.2 | 410.5 | 420.3 | 439.1 | 460.3 | 496.2 | 554.9 | 629.9 | 726.9 |
| 47.5° | 365.3 | 366.1 | 371.0 | 375.9 | 381.6 | 393.0 | 411.8 | 434.6 | 479.4 | 543.5 | 630.3 |
| 50° | 340.0 | 337.2 | 340.4 | 344.1 | 350.2 | 357.5 | 369.0 | 390.2 | 417.9 | 467.2 | 536.9 |
| 52.5° | 309.0 | 309.8 | 312.7 | 313.5 | 318.8 | 326.2 | 336.3 | 349.4 | 373.9 | 409.7 | 464.0 |
| 55° | 279.7 | 281.7 | 283.3 | 285.8 | 290.7 | 296.0 | 304.1 | 313.9 | 333.5 | 362.4 | 404.8 |
| 57.5° | 252.0 | 252.8 | 254.0 | 259.3 | 262.1 | 267.0 | 275.2 | 284.2 | 297.2 | 319.6 | 353.1 |
| 60° | 223.4 | 223.4 | 226.7 | 228.7 | 232.8 | 237.7 | 243.8 | 252.4 | 263.8 | 281.3 | 307.0 |
| 62.5° | 197.3 | 196.9 | 197.7 | 201.4 | 204.3 | 208.7 | 214.9 | 221.8 | 232.4 | 247.5 | 267.4 |
| 65° | 172.0 | 171.2 | 173.7 | 174.5 | 177.8 | 182.2 | 187.1 | 194.9 | 203.4 | 214.9 | 233.6 |
| 67.5° | 146.8 | 148.0 | 149.6 | 151.3 | 152.9 | 158.2 | 161.4 | 167.2 | 174.5 | 184.3 | 197.3 |
| 70° | 126.4 | 126.4 | 126.4 | 127.6 | 130.1 | 132.5 | 135.8 | 140.2 | 147.2 | 155.3 | 166.7 |
| 72.5° | 103.6 | 105.2 | 106.8 | 105.6 | 108.9 | 110.1 | 114.2 | 116.2 | 122.7 | 127.2 | 137.0 |
| 75° | 84.8 | 84.8 | 84.8 | 86.8 | 88.1 | 89.3 | 91.7 | 94.2 | 97.4 | 104.0 | 109.3 |
| 77.5° | 66.9 | 66.5 | 66.9 | 67.3 | 68.9 | 70.5 | 71.3 | 73.4 | 76.6 | 79.9 | 84.8 |
| 80° | 48.9 | 49.7 | 50.1 | 51.0 | 51.0 | 51.8 | 52.2 | 55.0 | 57.1 | 59.1 | 62.0 |
| 82.5° | 35.1 | 35.1 | 35.1 | 35.1 | 35.5 | 35.9 | 37.1 | 37.5 | 37.9 | 39.5 | 41.6 |
| 85° | 22.0 | 21.6 | 21.6 | 22.4 | 22.0 | 22.0 | 22.8 | 23.6 | 23.6 | 24.1 | 25.3 |
| 87.5° | 10.6 | 10.6 | 11.0 | 10.6 | 10.6 | 11.0 | 11.0 | 10.6 | 11.0 | 11.4 | 11.8 |
| 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: P333762

CATALOG NUMBER: S122DS-S675D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 |
| 2.5° | 1095.5 | 1092.2 | 1090.2 | 1082.8 | 1076.3 | 1069.8 | 1067.8 | 1068.6 | 1059.6 | 1051.0 | 1047.4 |
| 5° | 1130.9 | 1122.8 | 1115.0 | 1104.0 | 1091.0 | 1076.7 | 1069.4 | 1063.7 | 1049.4 | 1033.9 | 1024.9 |
| 7.5° | 1163.2 | 1152.6 | 1138.7 | 1119.1 | 1101.2 | 1080.0 | 1066.9 | 1055.9 | 1036.0 | 1015.2 | 1002.5 |
| 10° | 1192.1 | 1176.2 | 1157.0 | 1131.8 | 1108.5 | 1081.2 | 1062.0 | 1042.9 | 1018.4 | 992.3 | 976.0 |
| 12.5° | 1217.0 | 1194.1 | 1175.4 | 1141.1 | 1112.6 | 1076.7 | 1053.1 | 1024.1 | 998.0 | 965.8 | 949.9 |
| 15° | 1259.4 | 1219.8 | 1183.9 | 1147.3 | 1113.4 | 1065.7 | 1040.4 | 1004.2 | 970.3 | 932.0 | 913.6 |
| 17.5° | 1290.8 | 1248.0 | 1192.5 | 1148.1 | 1110.6 | 1059.6 | 1023.3 | 980.1 | 941.8 | 899.4 | 874.9 |
| 20° | 1316.9 | 1265.9 | 1205.1 | 1149.7 | 1102.4 | 1042.1 | 1001.7 | 957.3 | 910.4 | 861.1 | 834.1 |
| 22.5° | 1332.3 | 1278.1 | 1218.2 | 1143.6 | 1086.1 | 1027.8 | 974.4 | 924.7 | 877.0 | 822.7 | 794.2 |
| 25° | 1333.2 | 1284.2 | 1220.6 | 1140.7 | 1073.1 | 1006.6 | 945.4 | 898.2 | 840.7 | 790.9 | 749.8 |
| 27.5° | 1319.7 | 1281.0 | 1219.4 | 1135.0 | 1058.0 | 981.7 | 915.3 | 863.5 | 802.8 | 748.9 | 707.8 |
| 30° | 1289.9 | 1269.6 | 1210.0 | 1125.2 | 1039.2 | 955.6 | 880.6 | 819.9 | 759.5 | 704.9 | 662.5 |
| 32.5° | 1243.9 | 1243.5 | 1192.9 | 1111.4 | 1019.2 | 922.6 | 844.3 | 782.8 | 714.3 | 660.9 | 620.9 |
| 35° | 1180.7 | 1200.3 | 1167.2 | 1089.4 | 993.1 | 891.6 | 807.6 | 737.5 | 668.2 | 616.8 | 578.9 |
| 37.5° | 1100.4 | 1145.6 | 1132.6 | 1060.0 | 959.7 | 858.6 | 767.3 | 693.9 | 627.4 | 574.4 | 537.3 |
| 40° | 1016.8 | 1078.8 | 1087.7 | 1025.4 | 923.8 | 819.1 | 720.8 | 647.8 | 583.4 | 536.1 | 498.6 |
| 42.5° | 927.1 | 1002.1 | 1030.7 | 983.8 | 884.7 | 777.5 | 679.2 | 603.0 | 539.4 | 493.7 | 461.5 |
| 45° | 824.8 | 920.6 | 965.0 | 936.5 | 840.3 | 731.0 | 629.9 | 553.2 | 495.3 | 452.1 | 426.4 |
| 47.5° | 732.2 | 836.2 | 892.9 | 879.4 | 792.6 | 684.1 | 584.2 | 509.6 | 452.1 | 417.1 | 393.0 |
| 50° | 632.7 | 740.4 | 812.5 | 815.8 | 740.4 | 633.2 | 532.9 | 463.5 | 411.8 | 379.6 | 360.8 |
| 52.5° | 546.3 | 647.8 | 728.1 | 748.9 | 682.1 | 580.2 | 486.8 | 417.9 | 373.9 | 344.9 | 328.6 |
| 55° | 473.3 | 560.2 | 647.4 | 679.2 | 624.2 | 526.3 | 438.7 | 377.9 | 335.1 | 314.7 | 300.1 |
| 57.5° | 404.0 | 480.3 | 563.0 | 596.5 | 561.4 | 475.4 | 390.6 | 337.2 | 300.9 | 282.5 | 271.1 |
| 60° | 351.4 | 408.5 | 480.3 | 522.3 | 492.9 | 418.3 | 346.5 | 296.4 | 267.9 | 252.0 | 241.4 |
| 62.5° | 302.5 | 351.4 | 409.3 | 446.8 | 434.2 | 364.9 | 302.5 | 259.7 | 236.1 | 221.4 | 214.4 |
| 65° | 257.7 | 297.6 | 344.5 | 380.0 | 369.4 | 316.0 | 263.4 | 225.5 | 205.9 | 194.1 | 187.9 |
| 67.5° | 219.3 | 249.9 | 283.3 | 316.0 | 307.0 | 267.4 | 223.0 | 192.4 | 177.3 | 166.7 | 163.1 |
| 70° | 183.5 | 205.5 | 234.4 | 259.3 | 252.4 | 221.4 | 187.9 | 162.7 | 150.0 | 141.5 | 137.8 |
| 72.5° | 149.2 | 166.3 | 186.7 | 205.9 | 201.8 | 177.3 | 150.8 | 133.3 | 124.3 | 116.6 | 113.7 |
| 75° | 117.8 | 131.7 | 145.1 | 158.6 | 157.4 | 137.4 | 121.1 | 106.4 | 98.7 | 92.5 | 91.3 |
| 77.5° | 92.1 | 100.7 | 110.5 | 119.0 | 117.0 | 104.0 | 90.5 | 81.5 | 75.4 | 71.3 | 70.9 |
| 80° | 66.5 | 70.9 | 77.5 | 83.2 | 80.3 | 75.4 | 65.2 | 59.1 | 55.0 | 51.0 | 49.3 |
| 82.5° | 43.6 | 48.1 | 51.4 | 53.8 | 51.8 | 47.3 | 42.0 | 38.3 | 36.3 | 33.8 | 33.4 |
| 85° | 25.3 | 27.7 | 29.4 | 30.2 | 29.4 | 26.5 | 23.6 | 22.0 | 20.0 | 18.8 | 18.3 |
| 87.5° | 12.2 | 12.2 | 12.2 | 13.0 | 11.8 | 11.8 | 10.2 | 9.0 | 8.6 | 8.2 | 7.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: S122DS-S675D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 | 1060.8 |
| 2.5° | 1043.3 | 1040.8 | 1032.3 | 1027.8 | 1020.5 | 1013.5 | 1009.0 | 1011.1 | 1012.7 | 1011.9 | 1010.7 |
| 5° | 1016.8 | 1009.0 | 997.2 | 987.0 | 979.7 | 966.2 | 960.5 | 957.7 | 955.2 | 952.4 | 949.5 |
| 7.5° | 987.4 | 976.4 | 959.7 | 946.7 | 933.6 | 916.5 | 907.9 | 903.0 | 897.7 | 891.6 | 885.9 |
| 10° | 955.6 | 938.5 | 920.6 | 900.2 | 883.9 | 868.8 | 855.3 | 846.4 | 838.2 | 830.5 | 824.8 |
| 12.5° | 922.2 | 901.8 | 878.6 | 848.8 | 830.5 | 807.2 | 808.1 | 790.5 | 776.7 | 772.6 | 765.7 |
| 15° | 886.3 | 858.6 | 830.5 | 797.5 | 783.2 | 763.6 | 751.4 | 739.2 | 728.1 | 720.4 | 718.4 |
| 17.5° | 847.2 | 810.1 | 782.8 | 758.3 | 735.1 | 715.1 | 704.5 | 694.7 | 685.3 | 673.9 | 673.5 |
| 20° | 801.1 | 770.1 | 739.6 | 718.8 | 694.7 | 674.3 | 660.5 | 650.7 | 642.9 | 636.8 | 631.5 |
| 22.5° | 757.5 | 722.8 | 695.5 | 672.3 | 648.6 | 633.2 | 623.0 | 613.6 | 607.5 | 600.5 | 595.6 |
| 25° | 710.2 | 683.7 | 653.1 | 627.4 | 607.9 | 597.3 | 588.3 | 580.2 | 576.1 | 571.6 | 565.9 |
| 27.5° | 669.8 | 640.5 | 610.3 | 590.3 | 572.4 | 563.0 | 556.1 | 550.0 | 546.3 | 543.5 | 539.8 |
| 30° | 626.6 | 596.9 | 574.4 | 554.9 | 540.6 | 531.2 | 527.2 | 523.9 | 519.4 | 517.8 | 516.1 |
| 32.5° | 585.0 | 559.0 | 540.6 | 524.3 | 510.8 | 505.5 | 501.9 | 499.0 | 495.8 | 494.1 | 490.5 |
| 35° | 546.3 | 523.9 | 505.1 | 495.8 | 484.7 | 479.4 | 476.6 | 472.5 | 469.3 | 467.6 | 467.2 |
| 37.5° | 509.2 | 488.8 | 476.2 | 463.5 | 458.2 | 455.4 | 451.3 | 448.5 | 447.2 | 446.8 | 446.4 |
| 40° | 473.3 | 457.4 | 446.4 | 436.6 | 434.6 | 429.7 | 426.4 | 424.0 | 424.0 | 424.4 | 424.0 |
| 42.5° | 440.7 | 426.9 | 417.5 | 409.3 | 406.9 | 404.4 | 401.2 | 401.6 | 402.4 | 404.0 | 402.4 |
| 45° | 407.7 | 397.5 | 390.6 | 386.5 | 382.0 | 379.2 | 378.7 | 380.0 | 380.4 | 380.8 | 382.0 |
| 47.5° | 376.7 | 370.2 | 363.7 | 358.8 | 356.7 | 356.3 | 355.5 | 357.5 | 359.6 | 360.0 | 362.0 |
| 50° | 349.8 | 342.1 | 336.8 | 333.9 | 332.3 | 331.5 | 332.3 | 334.7 | 336.3 | 338.4 | 339.6 |
| 52.5° | 319.6 | 314.7 | 311.5 | 309.4 | 309.0 | 309.8 | 309.8 | 312.7 | 315.6 | 316.0 | 316.4 |
| 55° | 292.3 | 288.2 | 287.4 | 283.8 | 285.4 | 285.0 | 287.0 | 288.6 | 291.1 | 293.5 | 293.9 |
| 57.5° | 264.6 | 260.9 | 258.5 | 258.9 | 259.3 | 260.9 | 262.6 | 265.4 | 268.3 | 271.1 | 271.1 |
| 60° | 236.9 | 235.2 | 234.0 | 234.0 | 234.8 | 237.3 | 239.3 | 242.2 | 243.8 | 245.4 | 246.7 |
| 62.5° | 211.6 | 210.0 | 208.7 | 209.6 | 212.0 | 213.2 | 215.7 | 216.9 | 218.5 | 220.2 | 220.6 |
| 65° | 184.7 | 183.9 | 185.1 | 185.9 | 186.3 | 188.4 | 191.2 | 192.4 | 194.1 | 194.9 | 197.7 |
| 67.5° | 160.2 | 160.2 | 159.8 | 161.0 | 163.5 | 163.9 | 166.7 | 170.0 | 170.0 | 171.6 | 173.7 |
| 70° | 135.4 | 136.2 | 137.0 | 137.8 | 139.8 | 140.7 | 142.7 | 143.9 | 145.5 | 146.8 | 148.0 |
| 72.5° | 112.5 | 112.5 | 113.3 | 112.9 | 114.6 | 116.6 | 118.2 | 119.5 | 121.1 | 122.7 | 123.9 |
| 75° | 90.1 | 90.1 | 90.9 | 91.3 | 93.4 | 95.4 | 95.0 | 95.8 | 97.4 | 99.1 | 99.9 |
| 77.5° | 69.7 | 68.9 | 69.7 | 70.1 | 70.9 | 72.6 | 73.0 | 74.2 | 76.2 | 75.8 | 76.6 |
| 80° | 50.1 | 48.9 | 50.1 | 50.6 | 50.6 | 52.6 | 52.6 | 53.4 | 54.6 | 53.4 | 54.6 |
| 82.5° | 32.2 | 31.8 | 32.6 | 32.6 | 33.4 | 33.0 | 33.8 | 33.8 | 35.1 | 34.7 | 35.1 |
| 85° | 17.9 | 17.5 | 17.9 | 17.5 | 17.9 | 18.3 | 18.3 | 17.9 | 17.9 | 18.8 | 17.5 |
| 87.5° | 6.9 | 6.5 | 6.1 | 6.1 | 5.7 | 5.3 | 4.9 | 4.9 | 4.9 | 4.1 | 4.1 |
| 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: P333762

CATALOG NUMBER: S122DS-S675D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1060.8 | 1060.8 | 1060.8 | 1060.8 |
| 2.5° | 1006.6 | 1005.8 | 1005.8 | 1002.1 |
| 5° | 943.8 | 942.6 | 940.6 | 942.6 |
| 7.5° | 884.3 | 879.0 | 878.2 | 874.1 |
| 10° | 817.8 | 814.6 | 814.2 | 806.4 |
| 12.5° | 767.3 | 758.3 | 760.4 | 756.7 |
| 15° | 707.4 | 707.4 | 705.7 | 698.8 |
| 17.5° | 664.5 | 664.1 | 660.5 | 662.9 |
| 20° | 627.0 | 624.6 | 619.7 | 619.7 |
| 22.5° | 591.6 | 592.0 | 586.7 | 588.7 |
| 25° | 565.5 | 562.2 | 559.8 | 561.0 |
| 27.5° | 538.6 | 537.3 | 536.9 | 533.3 |
| 30° | 515.7 | 511.7 | 512.5 | 510.4 |
| 32.5° | 489.6 | 488.8 | 487.6 | 486.0 |
| 35° | 466.4 | 466.8 | 464.8 | 465.6 |
| 37.5° | 445.6 | 447.2 | 446.0 | 446.0 |
| 40° | 425.2 | 425.2 | 425.2 | 426.4 |
| 42.5° | 405.7 | 404.8 | 404.0 | 403.6 |
| 45° | 382.8 | 384.0 | 384.5 | 382.4 |
| 47.5° | 362.8 | 363.3 | 362.8 | 365.3 |
| 50° | 341.6 | 340.8 | 341.6 | 340.8 |
| 52.5° | 319.2 | 319.6 | 318.8 | 318.8 |
| 55° | 295.6 | 296.4 | 296.0 | 296.0 |
| 57.5° | 271.5 | 271.9 | 272.7 | 270.7 |
| 60° | 246.2 | 248.3 | 247.9 | 247.1 |
| 62.5° | 223.0 | 223.4 | 223.4 | 223.4 |
| 65° | 199.0 | 199.8 | 198.5 | 199.8 |
| 67.5° | 172.9 | 173.3 | 174.1 | 174.5 |
| 70° | 148.8 | 148.4 | 149.6 | 150.8 |
| 72.5° | 123.5 | 124.8 | 123.9 | 124.8 |
| 75° | 99.1 | 100.3 | 99.9 | 101.1 |
| 77.5° | 75.8 | 76.2 | 76.2 | 76.6 |
| 80° | 54.6 | 53.8 | 53.0 | 54.6 |
| 82.5° | 33.8 | 34.7 | 33.8 | 33.4 |
| 85° | 17.5 | 17.1 | 16.3 | 16.3 |
| 87.5° | 4.1 | 3.7 | 3.7 | 3.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)