

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: P242306

Luminaire Tested: **S122DR-S675D930-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P242306  
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: S122DR-S675D930-X4F0-XX-UDD-A-W  
Description: DEFINE 2 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER  
STANDARD LIGHT ENGINE  
Light Source: (92) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2340.2 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')  
CIE Type: Direct

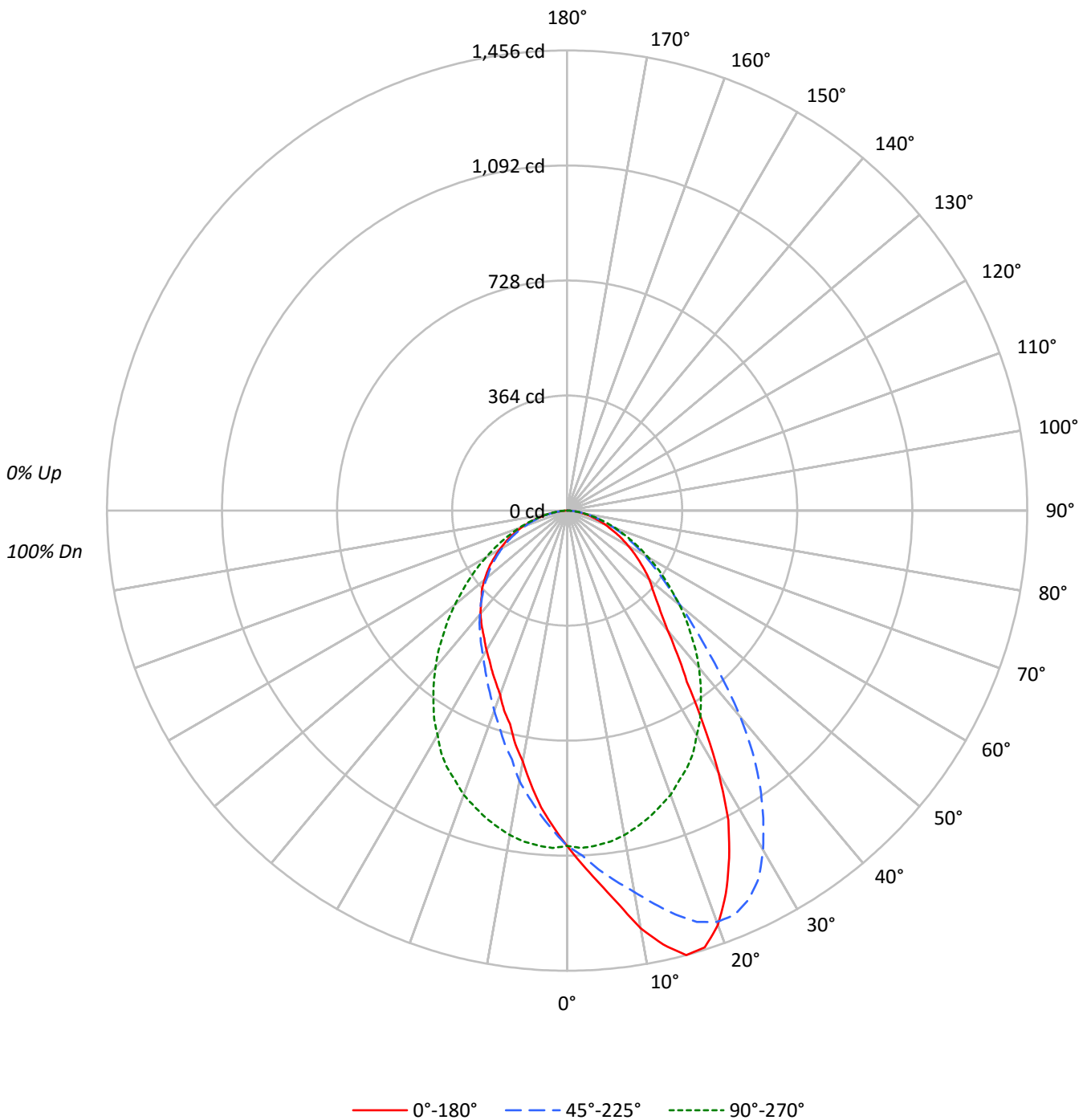
Input Watts (W): 26.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P242306

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### Luminous Intensity Polar Plot





TEST NUMBER: P242306

CATALOG NUMBER: S122DR-S675D930-X4F0-XX-UDD-A-W

**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  | 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 |    |    |    |    | 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°  | 20206 | 20206 | 20206 |
| 5°  | 22654 | 20338 | 18023 |
| 10° | 25958 | 20171 | 15597 |
| 15° | 28718 | 19802 | 13780 |
| 20° | 28279 | 19405 | 12561 |
| 25° | 25500 | 18877 | 11790 |
| 30° | 21073 | 18033 | 11226 |
| 35° | 15359 | 17149 | 10827 |
| 40° | 12266 | 16108 | 10602 |
| 45° | 10718 | 14902 | 10301 |
| 50° | 10075 | 13735 | 10099 |
| 55° | 9288  | 12550 | 9830  |
| 60° | 8511  | 11291 | 9413  |
| 65° | 7752  | 10163 | 9005  |
| 70° | 7039  | 9061  | 8398  |
| 75° | 6241  | 7830  | 7440  |
| 80° | 5364  | 6483  | 5989  |
| 85° | 4808  | 4808  | 3562  |



TEST NUMBER: P242306

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**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    |      |



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**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    |



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**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    |



TEST NUMBER: P242306

CATALOG NUMBER: S122DR-S675D930-X4F0-XX-UDD-A-W

**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: P242306

CATALOG NUMBER: S122DR-S675D930-X4F0-XX-UDD-A-W

**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)