

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: P242571

Luminaire Tested: **S123RDR-S775D835-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P242571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDR-S775D835-X4F0-XX-UDD-A-W  
Description: DEFINE 3 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER  
STANDARD LIGHT ENGINE  
Light Source: (92) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

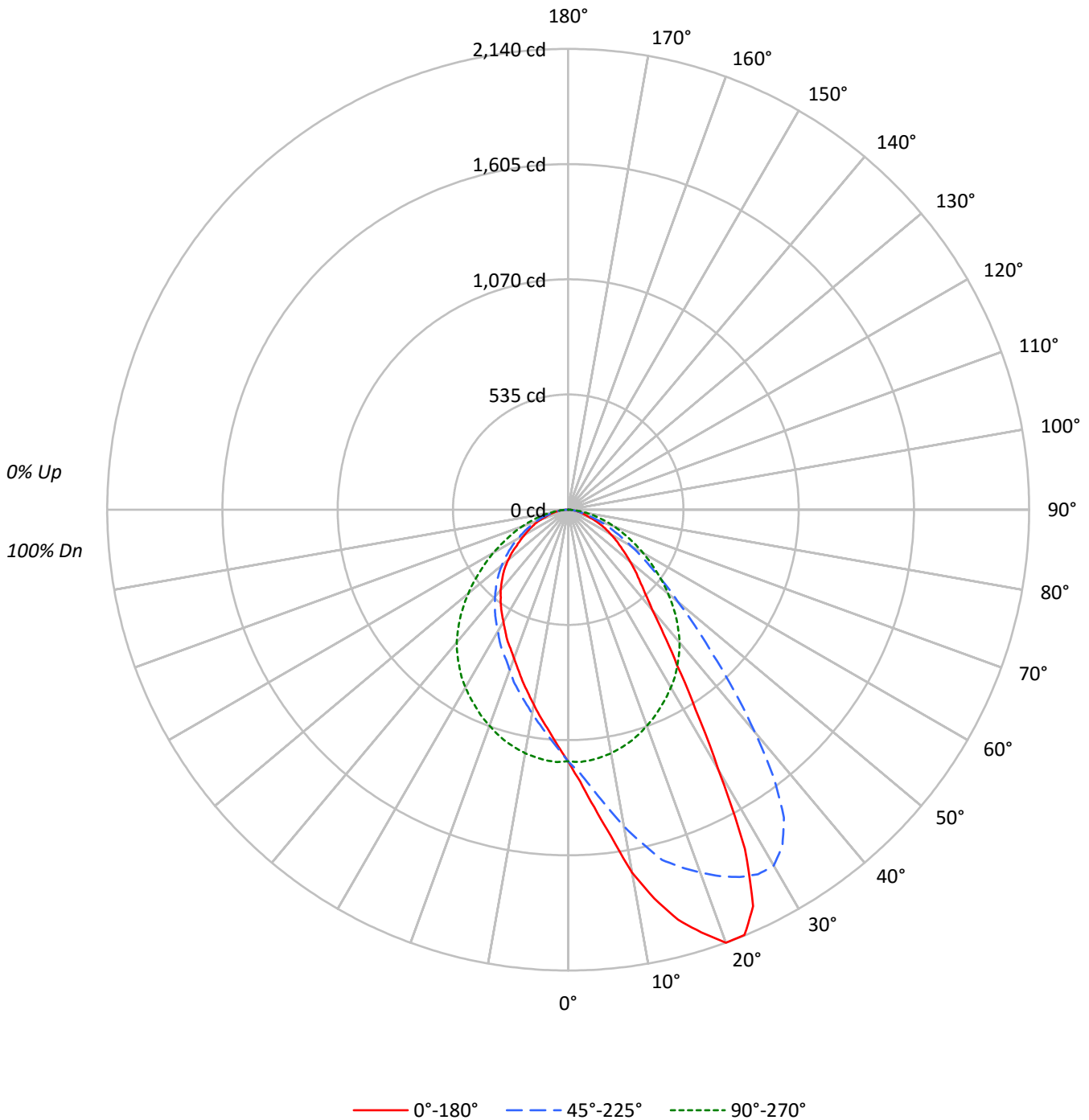
Lumens per Lamp: N/A  
Luminaire Lumens: 2908.3 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.35  
Luminous Opening: Rectangular (W 3.88' x L: 0.23' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 26.4  
Input Voltage (V): 120  
Input Current (A<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: P242571

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### Luminous Intensity Polar Plot





TEST NUMBER: P242571

CATALOG NUMBER: S123RDR-S775D835-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 | 99  | 108 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  |     |    |    |    | 87 |     |   |  |   |
| 2   | 101 | 94  | 88  | 83  | 99  | 92  | 87  | 82  | 89  | 84  | 80  | 86  | 82  | 78  | 83  | 79  | 77  |     |    |    |    | 74 |     |   |  |   |
| 3   | 93  | 84  | 76  | 71  | 91  | 82  | 75  | 70  | 79  | 74  | 69  | 77  | 72  | 68  | 74  | 70  | 66  |     |    |    |    | 64 |     |   |  |   |
| 4   | 86  | 75  | 67  | 61  | 84  | 74  | 66  | 61  | 71  | 65  | 60  | 69  | 64  | 59  | 67  | 62  | 58  |     |    |    |    | 56 |     |   |  |   |
| 5   | 80  | 68  | 60  | 53  | 78  | 67  | 59  | 53  | 65  | 58  | 53  | 63  | 57  | 52  | 61  | 56  | 52  |     |    |    |    | 50 |     |   |  |   |
| 6   | 74  | 62  | 53  | 47  | 72  | 61  | 53  | 47  | 59  | 52  | 47  | 57  | 51  | 46  | 56  | 50  | 46  |     |    |    |    | 44 |     |   |  |   |
| 7   | 69  | 56  | 48  | 42  | 67  | 55  | 48  | 42  | 54  | 47  | 42  | 53  | 46  | 42  | 51  | 46  | 41  |     |    |    |    | 39 |     |   |  |   |
| 8   | 64  | 52  | 44  | 38  | 63  | 51  | 43  | 38  | 50  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 37  |     |    |    |    | 36 |     |   |  |   |
| 9   | 60  | 48  | 40  | 35  | 59  | 47  | 40  | 35  | 46  | 39  | 34  | 45  | 39  | 34  | 44  | 38  | 34  |     |    |    |    | 32 |     |   |  |   |
| 10  | 57  | 44  | 37  | 32  | 55  | 44  | 36  | 32  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  |     |    |    |    | 29 |     |   |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 14158 | 14158 | 14158 |
| 5°  | 16876 | 14218 | 12520 |
| 10° | 21072 | 14136 | 11311 |
| 15° | 24734 | 13992 | 10315 |
| 20° | 27604 | 13776 | 9468  |
| 25° | 27163 | 13548 | 8947  |
| 30° | 19525 | 13339 | 8412  |
| 35° | 13036 | 13066 | 8065  |
| 40° | 9605  | 12738 | 7706  |
| 45° | 8057  | 12162 | 7354  |
| 50° | 7109  | 11409 | 6864  |
| 55° | 6234  | 10545 | 6192  |
| 60° | 5552  | 9721  | 5673  |
| 65° | 4876  | 8834  | 5277  |
| 70° | 3828  | 8045  | 4820  |
| 75° | 3372  | 7025  | 4402  |
| 80° | 2932  | 5968  | 4328  |
| 85° | 2364  | 4798  | 4589  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 114.7  | 3.9       |
| 10°-20°   | 359.1  | 12.3      |
| 20°-30°   | 565.5  | 19.4      |
| 30°-40°   | 588.1  | 20.2      |
| 40°-50°   | 503.1  | 17.3      |
| 50°-60°   | 383.5  | 13.2      |
| 60°-70°   | 245.7  | 8.4       |
| 70°-80°   | 117.7  | 4.0       |
| 80°-90°   | 31.0   | 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°    | 1039.3 | 35.7      |
| 0°-40°    | 1627.4 | 56.0      |
| 0°-60°    | 2514.0 | 86.4      |
| 0°-90°    | 2908.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2908.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1168 | 1168 | 1168 | 1168 | 1168 |      |
| 5°  | 1387 | 1301 | 1168 | 1055 | 1029 | 142  |
| 15° | 1971 | 1683 | 1115 | 876  | 822  | 559  |
| 25° | 2031 | 1882 | 1013 | 724  | 669  | 883  |
| 35° | 881  | 1746 | 883  | 591  | 545  | 573  |
| 45° | 470  | 948  | 710  | 467  | 429  | 369  |
| 55° | 295  | 473  | 499  | 337  | 293  | 266  |
| 65° | 170  | 233  | 308  | 210  | 184  | 167  |
| 75° | 72   | 84   | 150  | 107  | 94   | 77   |
| 85° | 17   | 18   | 34   | 32   | 33   | 20   |
| 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°    | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 |
| 2.5°  | 1263 | 1265 | 1259 | 1258 | 1250 | 1248 | 1248 | 1238 | 1231 | 1223 | 1218 |
| 5°    | 1387 | 1395 | 1391 | 1382 | 1367 | 1364 | 1354 | 1339 | 1322 | 1301 | 1291 |
| 7.5°  | 1529 | 1546 | 1543 | 1529 | 1513 | 1503 | 1476 | 1455 | 1422 | 1393 | 1370 |
| 10°   | 1712 | 1701 | 1692 | 1678 | 1664 | 1640 | 1612 | 1574 | 1529 | 1494 | 1455 |
| 12.5° | 1849 | 1850 | 1838 | 1824 | 1802 | 1780 | 1744 | 1695 | 1641 | 1587 | 1541 |
| 15°   | 1971 | 1974 | 1967 | 1952 | 1923 | 1884 | 1832 | 1812 | 1738 | 1683 | 1628 |
| 17.5° | 2058 | 2059 | 2057 | 2038 | 2006 | 1979 | 1931 | 1885 | 1815 | 1741 | 1667 |
| 20°   | 2140 | 2135 | 2136 | 2114 | 2092 | 2059 | 2012 | 1938 | 1883 | 1793 | 1717 |
| 22.5° | 2138 | 2138 | 2143 | 2139 | 2124 | 2101 | 2067 | 2007 | 1933 | 1842 | 1754 |
| 25°   | 2031 | 2027 | 2051 | 2057 | 2083 | 2087 | 2076 | 2042 | 1975 | 1882 | 1776 |
| 27.5° | 1776 | 1762 | 1811 | 1859 | 1924 | 1965 | 2007 | 2016 | 1985 | 1909 | 1797 |
| 30°   | 1395 | 1442 | 1464 | 1543 | 1631 | 1736 | 1828 | 1916 | 1937 | 1908 | 1821 |
| 32.5° | 1099 | 1139 | 1156 | 1221 | 1302 | 1429 | 1579 | 1712 | 1816 | 1851 | 1807 |
| 35°   | 881  | 882  | 924  | 954  | 1030 | 1156 | 1290 | 1456 | 1621 | 1746 | 1759 |
| 37.5° | 727  | 729  | 756  | 786  | 847  | 918  | 1043 | 1183 | 1381 | 1568 | 1665 |
| 40°   | 607  | 612  | 631  | 660  | 701  | 752  | 844  | 974  | 1133 | 1346 | 1521 |
| 42.5° | 530  | 538  | 546  | 567  | 588  | 635  | 705  | 798  | 939  | 1138 | 1346 |
| 45°   | 470  | 474  | 482  | 492  | 515  | 548  | 598  | 666  | 786  | 948  | 1150 |
| 47.5° | 424  | 422  | 430  | 439  | 455  | 479  | 514  | 572  | 662  | 798  | 973  |
| 50°   | 377  | 377  | 382  | 389  | 403  | 420  | 447  | 489  | 557  | 665  | 821  |
| 52.5° | 333  | 336  | 339  | 348  | 357  | 370  | 394  | 421  | 477  | 566  | 690  |
| 55°   | 295  | 297  | 302  | 307  | 314  | 328  | 343  | 368  | 408  | 473  | 581  |
| 57.5° | 262  | 262  | 267  | 268  | 277  | 289  | 301  | 321  | 351  | 403  | 478  |
| 60°   | 229  | 228  | 232  | 236  | 240  | 249  | 259  | 278  | 301  | 337  | 399  |
| 62.5° | 199  | 199  | 202  | 205  | 209  | 217  | 225  | 238  | 255  | 284  | 330  |
| 65°   | 170  | 172  | 173  | 175  | 177  | 182  | 190  | 200  | 212  | 233  | 269  |
| 67.5° | 140  | 142  | 143  | 146  | 150  | 153  | 157  | 167  | 176  | 195  | 216  |
| 70°   | 108  | 108  | 108  | 110  | 115  | 121  | 127  | 134  | 139  | 152  | 169  |
| 72.5° | 89   | 88   | 90   | 90   | 92   | 92   | 96   | 102  | 109  | 117  | 128  |
| 75°   | 72   | 72   | 72   | 72   | 74   | 75   | 77   | 78   | 81   | 85   | 94   |
| 77.5° | 56   | 56   | 57   | 58   | 58   | 59   | 60   | 61   | 62   | 64   | 69   |
| 80°   | 42   | 43   | 42   | 43   | 43   | 44   | 44   | 46   | 46   | 49   | 50   |
| 82.5° | 29   | 29   | 29   | 30   | 30   | 31   | 31   | 32   | 32   | 33   | 34   |
| 85°   | 17   | 16   | 17   | 17   | 18   | 17   | 17   | 18   | 18   | 19   | 21   |
| 87.5° | 5    | 6    | 5    | 6    | 6    | 6    | 6    | 6    | 7    | 7    | 7    |
| 90°   | 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°    | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 |
| 2.5°  | 1216 | 1214 | 1207 | 1199 | 1189 | 1182 | 1176 | 1173 | 1164 | 1153 | 1146 |
| 5°    | 1281 | 1266 | 1250 | 1230 | 1212 | 1194 | 1182 | 1169 | 1152 | 1134 | 1121 |
| 7.5°  | 1345 | 1319 | 1291 | 1261 | 1231 | 1205 | 1180 | 1160 | 1135 | 1110 | 1092 |
| 10°   | 1422 | 1379 | 1334 | 1289 | 1247 | 1208 | 1178 | 1149 | 1117 | 1087 | 1064 |
| 12.5° | 1491 | 1431 | 1378 | 1320 | 1264 | 1215 | 1169 | 1133 | 1093 | 1060 | 1033 |
| 15°   | 1548 | 1490 | 1428 | 1343 | 1272 | 1213 | 1161 | 1115 | 1069 | 1029 | 1004 |
| 17.5° | 1607 | 1519 | 1437 | 1371 | 1279 | 1208 | 1146 | 1093 | 1043 | 1002 | 970  |
| 20°   | 1641 | 1556 | 1466 | 1375 | 1285 | 1203 | 1128 | 1068 | 1016 | 968  | 939  |
| 22.5° | 1661 | 1563 | 1466 | 1367 | 1270 | 1184 | 1110 | 1043 | 985  | 940  | 902  |
| 25°   | 1676 | 1562 | 1457 | 1361 | 1264 | 1171 | 1083 | 1013 | 952  | 903  | 865  |
| 27.5° | 1688 | 1556 | 1436 | 1331 | 1233 | 1138 | 1059 | 984  | 923  | 872  | 831  |
| 30°   | 1691 | 1549 | 1410 | 1295 | 1194 | 1109 | 1024 | 953  | 887  | 833  | 795  |
| 32.5° | 1695 | 1530 | 1376 | 1251 | 1148 | 1064 | 989  | 922  | 854  | 800  | 761  |
| 35°   | 1681 | 1526 | 1341 | 1200 | 1097 | 1015 | 946  | 883  | 817  | 765  | 725  |
| 37.5° | 1639 | 1501 | 1306 | 1142 | 1036 | 961  | 903  | 846  | 784  | 727  | 691  |
| 40°   | 1567 | 1461 | 1264 | 1091 | 978  | 901  | 850  | 805  | 746  | 694  | 654  |
| 42.5° | 1461 | 1407 | 1224 | 1037 | 913  | 839  | 798  | 757  | 707  | 654  | 617  |
| 45°   | 1326 | 1334 | 1166 | 979  | 854  | 779  | 739  | 710  | 664  | 620  | 581  |
| 47.5° | 1162 | 1233 | 1105 | 918  | 790  | 720  | 684  | 658  | 626  | 580  | 545  |
| 50°   | 1002 | 1115 | 1028 | 856  | 731  | 661  | 626  | 605  | 578  | 544  | 511  |
| 52.5° | 854  | 978  | 935  | 788  | 666  | 604  | 570  | 554  | 534  | 502  | 473  |
| 55°   | 721  | 844  | 832  | 719  | 602  | 544  | 518  | 499  | 485  | 461  | 437  |
| 57.5° | 605  | 724  | 727  | 642  | 546  | 487  | 465  | 450  | 440  | 421  | 397  |
| 60°   | 496  | 604  | 625  | 565  | 485  | 435  | 413  | 401  | 394  | 379  | 362  |
| 62.5° | 406  | 494  | 518  | 479  | 426  | 380  | 364  | 353  | 349  | 337  | 322  |
| 65°   | 325  | 401  | 424  | 400  | 369  | 332  | 318  | 308  | 304  | 297  | 286  |
| 67.5° | 256  | 315  | 340  | 320  | 309  | 282  | 273  | 267  | 263  | 258  | 249  |
| 70°   | 196  | 237  | 263  | 259  | 250  | 237  | 231  | 227  | 223  | 219  | 211  |
| 72.5° | 148  | 173  | 197  | 201  | 194  | 194  | 189  | 188  | 186  | 181  | 177  |
| 75°   | 105  | 124  | 141  | 148  | 151  | 153  | 151  | 150  | 150  | 146  | 143  |
| 77.5° | 73   | 85   | 97   | 108  | 112  | 116  | 116  | 118  | 117  | 114  | 113  |
| 80°   | 53   | 55   | 63   | 72   | 80   | 83   | 85   | 86   | 85   | 85   | 83   |
| 82.5° | 35   | 37   | 39   | 45   | 51   | 57   | 58   | 57   | 59   | 59   | 58   |
| 85°   | 21   | 21   | 22   | 23   | 27   | 32   | 34   | 35   | 36   | 36   | 33   |
| 87.5° | 8    | 8    | 9    | 9    | 10   | 11   | 14   | 16   | 17   | 15   | 15   |
| 90°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 | 1168 |
| 2.5°  | 1143 | 1137 | 1132 | 1122 | 1116 | 1109 | 1102 | 1106 | 1106 | 1105 | 1105 |
| 5°    | 1110 | 1098 | 1088 | 1074 | 1066 | 1055 | 1047 | 1046 | 1048 | 1041 | 1037 |
| 7.5°  | 1078 | 1063 | 1048 | 1034 | 1019 | 1007 | 999  | 996  | 991  | 986  | 982  |
| 10°   | 1045 | 1026 | 1012 | 993  | 976  | 961  | 952  | 945  | 942  | 938  | 932  |
| 12.5° | 1010 | 992  | 973  | 951  | 935  | 917  | 911  | 903  | 896  | 892  | 882  |
| 15°   | 977  | 953  | 934  | 912  | 894  | 877  | 867  | 852  | 850  | 845  | 836  |
| 17.5° | 944  | 918  | 890  | 875  | 857  | 839  | 823  | 818  | 803  | 798  | 790  |
| 20°   | 904  | 881  | 860  | 839  | 809  | 793  | 781  | 774  | 763  | 756  | 751  |
| 22.5° | 870  | 846  | 821  | 795  | 772  | 753  | 745  | 734  | 729  | 719  | 713  |
| 25°   | 837  | 811  | 783  | 756  | 738  | 724  | 710  | 701  | 692  | 688  | 678  |
| 27.5° | 798  | 772  | 744  | 723  | 703  | 689  | 676  | 668  | 657  | 649  | 644  |
| 30°   | 766  | 734  | 711  | 693  | 665  | 652  | 643  | 633  | 625  | 617  | 611  |
| 32.5° | 730  | 701  | 680  | 656  | 636  | 622  | 609  | 600  | 594  | 586  | 581  |
| 35°   | 691  | 667  | 644  | 621  | 606  | 591  | 577  | 569  | 563  | 556  | 551  |
| 37.5° | 656  | 633  | 612  | 590  | 571  | 559  | 547  | 542  | 533  | 528  | 523  |
| 40°   | 624  | 602  | 579  | 558  | 538  | 529  | 518  | 510  | 502  | 498  | 493  |
| 42.5° | 589  | 567  | 548  | 525  | 510  | 497  | 487  | 478  | 472  | 467  | 464  |
| 45°   | 555  | 535  | 516  | 493  | 478  | 467  | 456  | 448  | 442  | 439  | 433  |
| 47.5° | 522  | 501  | 482  | 462  | 447  | 435  | 424  | 418  | 411  | 407  | 403  |
| 50°   | 485  | 467  | 447  | 429  | 414  | 402  | 393  | 385  | 379  | 373  | 371  |
| 52.5° | 452  | 432  | 415  | 399  | 383  | 369  | 361  | 353  | 348  | 342  | 339  |
| 55°   | 414  | 396  | 381  | 364  | 349  | 337  | 327  | 320  | 315  | 308  | 304  |
| 57.5° | 380  | 364  | 345  | 331  | 314  | 305  | 297  | 287  | 281  | 275  | 271  |
| 60°   | 345  | 326  | 310  | 297  | 283  | 270  | 263  | 255  | 249  | 243  | 240  |
| 62.5° | 308  | 292  | 278  | 263  | 250  | 240  | 231  | 225  | 219  | 216  | 213  |
| 65°   | 271  | 258  | 243  | 231  | 219  | 211  | 204  | 198  | 194  | 192  | 189  |
| 67.5° | 236  | 224  | 210  | 198  | 190  | 183  | 178  | 173  | 171  | 168  | 166  |
| 70°   | 203  | 190  | 178  | 169  | 161  | 157  | 154  | 150  | 148  | 144  | 142  |
| 72.5° | 166  | 158  | 150  | 143  | 137  | 133  | 129  | 125  | 121  | 117  | 115  |
| 75°   | 137  | 128  | 122  | 117  | 113  | 107  | 102  | 97   | 96   | 94   | 94   |
| 77.5° | 107  | 101  | 96   | 92   | 87   | 82   | 80   | 79   | 79   | 78   | 78   |
| 80°   | 80   | 75   | 71   | 66   | 63   | 63   | 63   | 62   | 63   | 63   | 63   |
| 82.5° | 54   | 50   | 48   | 47   | 47   | 48   | 48   | 48   | 48   | 49   | 48   |
| 85°   | 31   | 31   | 32   | 32   | 32   | 32   | 33   | 33   | 33   | 32   | 33   |
| 87.5° | 14   | 16   | 16   | 17   | 17   | 17   | 17   | 17   | 18   | 18   | 18   |
| 90°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |





TEST NUMBER: P242571

CATALOG NUMBER: S123RDR-S775D835-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

|       | 165° | 170° | 175° | 180° |
|-------|------|------|------|------|
| 0°    | 1168 | 1168 | 1168 | 1168 |
| 2.5°  | 1099 | 1099 | 1099 | 1097 |
| 5°    | 1036 | 1035 | 1034 | 1029 |
| 7.5°  | 978  | 977  | 973  | 974  |
| 10°   | 928  | 929  | 923  | 919  |
| 12.5° | 880  | 877  | 872  | 868  |
| 15°   | 838  | 833  | 821  | 822  |
| 17.5° | 787  | 783  | 782  | 775  |
| 20°   | 743  | 740  | 741  | 734  |
| 22.5° | 708  | 706  | 700  | 699  |
| 25°   | 675  | 671  | 667  | 669  |
| 27.5° | 641  | 638  | 633  | 633  |
| 30°   | 609  | 606  | 604  | 601  |
| 32.5° | 576  | 576  | 572  | 572  |
| 35°   | 549  | 546  | 545  | 545  |
| 37.5° | 522  | 518  | 516  | 514  |
| 40°   | 493  | 489  | 488  | 487  |
| 42.5° | 461  | 460  | 459  | 457  |
| 45°   | 432  | 431  | 428  | 429  |
| 47.5° | 401  | 398  | 397  | 398  |
| 50°   | 369  | 368  | 363  | 364  |
| 52.5° | 337  | 332  | 331  | 330  |
| 55°   | 301  | 296  | 294  | 293  |
| 57.5° | 265  | 264  | 262  | 263  |
| 60°   | 235  | 235  | 235  | 234  |
| 62.5° | 211  | 210  | 209  | 210  |
| 65°   | 187  | 187  | 185  | 184  |
| 67.5° | 165  | 163  | 163  | 162  |
| 70°   | 140  | 139  | 136  | 136  |
| 72.5° | 112  | 111  | 111  | 110  |
| 75°   | 93   | 93   | 92   | 94   |
| 77.5° | 78   | 78   | 78   | 77   |
| 80°   | 63   | 63   | 62   | 62   |
| 82.5° | 47   | 48   | 48   | 47   |
| 85°   | 33   | 33   | 34   | 33   |
| 87.5° | 19   | 18   | 18   | 18   |
| 90°   | 0    | 0    | 0    | 0    |

(END OF REPORT)