

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: P243269

Luminaire Tested: **S122RDR-H675D930-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P243269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDR-H675D930-X4F0-XX-UDD-A-W
Description: DEFINE 2 REGRESSED DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1960.4 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 1.17 / 0.99
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

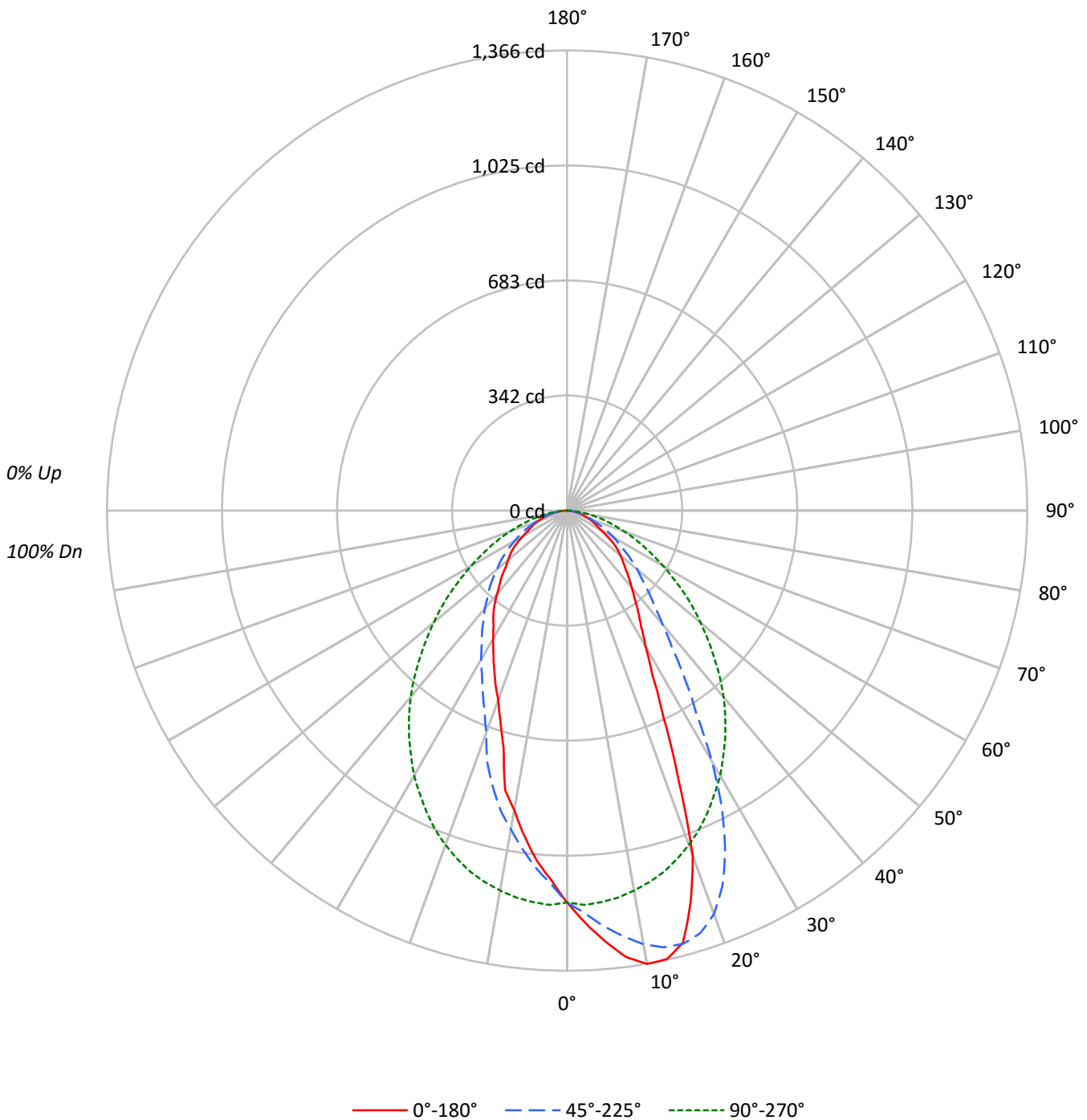
Input Watts (W): 23.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P243269

CATALOG NUMBER: S122RDR-H675D930-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot





TEST NUMBER: P243269

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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 | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 |
| 2 | 102 | 95 | 89 | 84 | 100 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 84 | 80 | 78 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 70 | 78 | 73 | 69 | 76 | 72 | 68 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 76 | 68 | 63 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 61 | 56 | 67 | 60 | 55 | 65 | 59 | 54 | 63 | 58 | 54 | 52 |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 60 | 54 | 49 | 58 | 53 | 49 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 40 | 50 | 44 | 40 | 38 |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 |
| 10 | 59 | 47 | 39 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 34 | 44 | 38 | 34 | 44 | 38 | 34 | 33 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 22156 | 22156 | 22156 |
| 5° | 24526 | 22306 | 19912 |
| 10° | 26430 | 22152 | 17462 |
| 15° | 26196 | 21895 | 14352 |
| 20° | 22096 | 21409 | 12113 |
| 25° | 14207 | 20750 | 10784 |
| 30° | 10265 | 19984 | 9660 |
| 35° | 8550 | 19021 | 8887 |
| 40° | 7420 | 17962 | 8044 |
| 45° | 6624 | 16620 | 7362 |
| 50° | 6113 | 15305 | 6768 |
| 55° | 5486 | 13981 | 6446 |
| 60° | 4377 | 12587 | 5802 |
| 65° | 4016 | 11304 | 5354 |
| 70° | 3687 | 9986 | 5090 |
| 75° | 3363 | 8743 | 4820 |
| 80° | 2918 | 7262 | 4508 |
| 85° | 2338 | 5813 | 4152 |



TEST NUMBER: P243269

CATALOG NUMBER: S122RDR-H675D930-X4F0-XX-UDD-A-W

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 110.1 | 5.6 |
| 10°-20° | 301.3 | 15.4 |
| 20°-30° | 379.8 | 19.4 |
| 30°-40° | 364.6 | 18.6 |
| 40°-50° | 314.0 | 16.0 |
| 50°-60° | 240.1 | 12.2 |
| 60°-70° | 152.8 | 7.8 |
| 70°-80° | 77.4 | 3.9 |
| 80°-90° | 20.4 | 1.0 |
| 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° | 791.1 | 40.4 |
| 0°-40° | 1155.7 | 59.0 |
| 0°-60° | 1709.8 | 87.2 |
| 0°-90° | 1960.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1960.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1163 | 1163 | 1163 | 1163 | 1163 | |
| 5° | 1283 | 1238 | 1167 | 1065 | 1041 | 125 |
| 15° | 1328 | 1331 | 1110 | 850 | 728 | 360 |
| 25° | 676 | 1109 | 987 | 593 | 513 | 323 |
| 35° | 368 | 609 | 818 | 441 | 382 | 232 |
| 45° | 246 | 341 | 617 | 327 | 273 | 191 |
| 55° | 165 | 208 | 421 | 227 | 194 | 146 |
| 65° | 89 | 115 | 251 | 139 | 119 | 89 |
| 75° | 46 | 52 | 119 | 72 | 66 | 48 |
| 85° | 11 | 13 | 27 | 20 | 19 | 12 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P243269

CATALOG NUMBER: S122RDR-H675D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 |
| 2.5° | 1224.9 | 1226.4 | 1227.1 | 1225.2 | 1221.1 | 1221.4 | 1217.6 | 1211.2 | 1203.2 | 1195.9 | 1200.1 |
| 5° | 1282.7 | 1284.6 | 1284.2 | 1280.8 | 1276.6 | 1272.8 | 1266.3 | 1257.2 | 1247.7 | 1237.8 | 1235.9 |
| 7.5° | 1336.0 | 1340.2 | 1339.0 | 1332.6 | 1329.5 | 1324.2 | 1313.2 | 1302.9 | 1288.4 | 1274.3 | 1268.6 |
| 10° | 1366.5 | 1369.9 | 1368.0 | 1366.5 | 1363.0 | 1357.7 | 1347.8 | 1337.9 | 1321.9 | 1307.1 | 1298.7 |
| 12.5° | 1364.2 | 1367.2 | 1368.7 | 1370.3 | 1369.1 | 1367.2 | 1363.0 | 1354.7 | 1341.7 | 1328.0 | 1317.4 |
| 15° | 1328.4 | 1323.4 | 1320.0 | 1329.5 | 1333.0 | 1345.9 | 1348.9 | 1350.1 | 1341.3 | 1331.1 | 1328.4 |
| 17.5° | 1219.5 | 1221.1 | 1247.3 | 1243.1 | 1248.8 | 1280.4 | 1293.0 | 1310.1 | 1317.4 | 1315.1 | 1319.6 |
| 20° | 1090.1 | 1072.2 | 1085.2 | 1104.2 | 1122.1 | 1168.1 | 1198.6 | 1225.6 | 1256.8 | 1274.3 | 1291.1 |
| 22.5° | 864.8 | 865.2 | 896.4 | 927.6 | 967.9 | 1017.8 | 1064.2 | 1116.0 | 1171.6 | 1205.4 | 1244.7 |
| 25° | 676.0 | 694.3 | 708.0 | 721.7 | 780.3 | 828.2 | 905.5 | 968.3 | 1044.8 | 1109.2 | 1175.0 |
| 27.5° | 546.6 | 565.6 | 567.9 | 598.7 | 633.4 | 672.2 | 722.8 | 821.8 | 900.2 | 994.6 | 1076.0 |
| 30° | 466.7 | 470.5 | 478.4 | 486.4 | 511.9 | 548.1 | 602.5 | 664.6 | 751.7 | 859.5 | 968.7 |
| 32.5° | 408.8 | 408.0 | 416.0 | 428.6 | 442.7 | 467.0 | 497.9 | 549.2 | 628.0 | 713.7 | 841.2 |
| 35° | 367.7 | 366.5 | 372.3 | 376.8 | 385.2 | 405.0 | 432.8 | 466.7 | 523.4 | 608.6 | 707.6 |
| 37.5° | 328.9 | 331.1 | 334.6 | 339.5 | 350.6 | 363.1 | 381.8 | 409.9 | 454.9 | 511.2 | 606.0 |
| 40° | 298.4 | 301.1 | 304.9 | 308.3 | 316.7 | 327.0 | 339.5 | 362.0 | 392.0 | 441.1 | 513.8 |
| 42.5° | 271.0 | 272.1 | 275.2 | 280.1 | 286.2 | 295.4 | 307.5 | 324.7 | 349.8 | 384.1 | 447.6 |
| 45° | 245.9 | 245.9 | 249.3 | 253.9 | 257.7 | 266.4 | 276.0 | 292.3 | 311.7 | 341.0 | 386.3 |
| 47.5° | 224.6 | 225.0 | 226.9 | 227.6 | 231.8 | 239.8 | 250.1 | 263.0 | 279.0 | 301.5 | 343.7 |
| 50° | 206.3 | 207.8 | 208.6 | 209.7 | 211.2 | 215.4 | 222.7 | 232.6 | 250.1 | 269.9 | 298.0 |
| 52.5° | 187.3 | 189.2 | 190.7 | 193.0 | 195.3 | 195.6 | 201.0 | 207.4 | 219.6 | 240.2 | 263.0 |
| 55° | 165.2 | 166.7 | 169.8 | 171.7 | 174.7 | 177.4 | 181.6 | 186.1 | 194.1 | 207.8 | 231.4 |
| 57.5° | 140.1 | 140.5 | 143.5 | 145.4 | 151.5 | 157.6 | 161.4 | 166.3 | 172.0 | 181.6 | 199.4 |
| 60° | 114.9 | 116.1 | 116.5 | 118.0 | 123.3 | 129.8 | 137.4 | 145.0 | 151.1 | 159.5 | 172.0 |
| 62.5° | 101.2 | 101.6 | 102.8 | 104.3 | 104.7 | 107.7 | 110.0 | 119.1 | 129.8 | 138.2 | 146.5 |
| 65° | 89.1 | 89.4 | 89.4 | 90.6 | 92.1 | 93.6 | 94.8 | 98.2 | 102.8 | 114.6 | 124.8 |
| 67.5° | 77.6 | 77.3 | 78.0 | 79.2 | 79.6 | 80.7 | 82.6 | 84.5 | 87.5 | 91.0 | 101.6 |
| 70° | 66.2 | 66.2 | 65.8 | 67.0 | 68.1 | 68.5 | 69.7 | 71.6 | 73.5 | 76.5 | 79.9 |
| 72.5° | 54.8 | 55.6 | 55.6 | 56.3 | 56.7 | 58.2 | 59.0 | 59.8 | 62.4 | 63.9 | 66.6 |
| 75° | 45.7 | 45.3 | 46.4 | 46.1 | 46.8 | 47.2 | 48.3 | 49.5 | 50.2 | 51.8 | 54.0 |
| 77.5° | 36.5 | 35.8 | 36.5 | 36.2 | 36.9 | 37.7 | 37.7 | 38.8 | 39.6 | 41.1 | 42.2 |
| 80° | 26.6 | 26.6 | 27.0 | 27.8 | 27.8 | 28.2 | 28.9 | 28.5 | 30.1 | 30.5 | 31.6 |
| 82.5° | 18.3 | 18.7 | 18.7 | 19.0 | 19.0 | 19.0 | 19.8 | 19.8 | 20.2 | 20.9 | 21.3 |
| 85° | 10.7 | 10.3 | 10.7 | 10.7 | 10.7 | 11.0 | 11.4 | 11.0 | 11.8 | 12.6 | 12.6 |
| 87.5° | 3.0 | 3.0 | 3.4 | 3.8 | 3.8 | 4.2 | 4.2 | 4.2 | 4.6 | 4.6 | 4.9 |
| 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: P243269

CATALOG NUMBER: S122RDR-H675D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 |
| 2.5° | 1200.1 | 1198.2 | 1193.3 | 1188.7 | 1180.3 | 1173.5 | 1171.2 | 1171.6 | 1161.3 | 1150.6 | 1147.6 |
| 5° | 1233.2 | 1226.4 | 1216.5 | 1206.2 | 1193.6 | 1181.1 | 1173.1 | 1166.6 | 1150.6 | 1134.7 | 1125.5 |
| 7.5° | 1260.6 | 1249.6 | 1235.1 | 1218.8 | 1202.4 | 1183.8 | 1170.8 | 1158.6 | 1136.6 | 1114.9 | 1103.1 |
| 10° | 1285.8 | 1270.2 | 1250.4 | 1229.0 | 1207.4 | 1183.0 | 1164.3 | 1145.3 | 1117.5 | 1093.2 | 1073.0 |
| 12.5° | 1309.7 | 1285.0 | 1264.8 | 1234.0 | 1210.0 | 1176.9 | 1151.4 | 1129.3 | 1096.6 | 1066.1 | 1043.7 |
| 15° | 1312.0 | 1294.5 | 1267.5 | 1235.5 | 1199.0 | 1168.1 | 1136.2 | 1110.3 | 1073.0 | 1039.1 | 1000.7 |
| 17.5° | 1311.6 | 1297.9 | 1269.8 | 1237.0 | 1193.3 | 1152.9 | 1118.3 | 1084.4 | 1041.8 | 1002.2 | 969.1 |
| 20° | 1297.9 | 1288.4 | 1264.1 | 1225.2 | 1181.1 | 1134.7 | 1096.2 | 1056.2 | 1006.4 | 965.7 | 929.5 |
| 22.5° | 1265.6 | 1267.9 | 1248.8 | 1214.2 | 1166.6 | 1114.9 | 1070.3 | 1024.3 | 973.3 | 926.4 | 880.8 |
| 25° | 1210.8 | 1235.1 | 1229.4 | 1197.1 | 1146.5 | 1089.7 | 1039.1 | 987.3 | 932.5 | 882.7 | 840.4 |
| 27.5° | 1142.6 | 1188.3 | 1198.2 | 1173.1 | 1124.8 | 1061.2 | 1003.7 | 947.4 | 891.4 | 837.8 | 794.4 |
| 30° | 1062.0 | 1130.1 | 1155.2 | 1141.5 | 1097.0 | 1030.4 | 963.8 | 908.6 | 847.3 | 790.2 | 744.5 |
| 32.5° | 960.3 | 1055.9 | 1100.0 | 1104.2 | 1067.7 | 996.1 | 922.3 | 862.9 | 800.1 | 746.0 | 696.9 |
| 35° | 846.9 | 964.1 | 1036.1 | 1055.5 | 1029.2 | 958.4 | 880.8 | 818.0 | 751.0 | 696.5 | 647.1 |
| 37.5° | 732.7 | 870.5 | 964.9 | 1002.6 | 985.1 | 916.6 | 834.3 | 770.8 | 704.5 | 649.0 | 602.5 |
| 40° | 627.7 | 758.6 | 881.2 | 940.2 | 934.8 | 871.3 | 788.3 | 722.4 | 655.1 | 603.7 | 552.7 |
| 42.5° | 533.6 | 660.0 | 794.8 | 873.9 | 878.1 | 822.5 | 737.7 | 671.4 | 606.7 | 555.7 | 502.4 |
| 45° | 459.4 | 570.6 | 704.2 | 798.6 | 816.8 | 771.2 | 685.1 | 617.0 | 558.0 | 510.0 | 456.8 |
| 47.5° | 400.0 | 486.4 | 610.5 | 721.3 | 753.6 | 713.7 | 631.5 | 566.8 | 511.2 | 470.1 | 419.8 |
| 50° | 348.7 | 429.7 | 535.2 | 637.6 | 685.1 | 655.1 | 578.2 | 516.5 | 466.3 | 426.7 | 382.5 |
| 52.5° | 303.0 | 365.8 | 457.1 | 555.3 | 619.3 | 591.9 | 526.4 | 469.7 | 422.5 | 385.6 | 348.7 |
| 55° | 265.3 | 317.8 | 398.5 | 486.1 | 545.1 | 529.8 | 471.6 | 421.0 | 379.5 | 344.5 | 314.4 |
| 57.5° | 226.5 | 270.6 | 335.7 | 413.7 | 471.6 | 469.3 | 421.4 | 372.6 | 339.9 | 306.8 | 285.1 |
| 60° | 192.6 | 228.4 | 281.3 | 347.5 | 405.7 | 406.1 | 368.8 | 330.4 | 302.2 | 273.7 | 253.1 |
| 62.5° | 162.5 | 191.1 | 237.1 | 290.4 | 336.9 | 348.7 | 320.9 | 287.4 | 264.5 | 242.5 | 225.0 |
| 65° | 136.6 | 158.0 | 192.6 | 240.9 | 277.5 | 293.5 | 275.2 | 250.8 | 231.8 | 212.0 | 196.4 |
| 67.5° | 112.7 | 128.3 | 153.8 | 191.8 | 228.4 | 240.2 | 232.6 | 213.9 | 200.2 | 183.8 | 172.0 |
| 70° | 88.7 | 102.0 | 119.9 | 148.4 | 178.5 | 194.9 | 192.6 | 179.3 | 167.9 | 156.1 | 145.0 |
| 72.5° | 70.4 | 78.0 | 91.7 | 112.3 | 136.3 | 154.5 | 155.3 | 148.4 | 138.9 | 129.0 | 121.8 |
| 75° | 56.7 | 60.1 | 66.6 | 82.6 | 101.6 | 116.9 | 122.2 | 118.8 | 111.1 | 105.1 | 100.1 |
| 77.5° | 43.8 | 46.8 | 51.0 | 58.6 | 73.5 | 85.3 | 91.7 | 92.1 | 87.5 | 82.2 | 78.4 |
| 80° | 32.7 | 33.9 | 36.9 | 40.7 | 48.3 | 58.6 | 66.2 | 66.2 | 63.6 | 60.9 | 58.6 |
| 82.5° | 22.5 | 23.6 | 25.1 | 27.0 | 30.8 | 36.9 | 43.8 | 44.9 | 43.4 | 42.6 | 39.6 |
| 85° | 12.6 | 13.7 | 14.5 | 15.6 | 17.1 | 20.2 | 25.1 | 26.6 | 27.0 | 24.7 | 23.2 |
| 87.5° | 4.9 | 4.9 | 5.3 | 5.7 | 6.1 | 7.2 | 9.1 | 11.4 | 11.4 | 10.3 | 9.9 |
| 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: P243269

CATALOG NUMBER: S122RDR-H675D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 | 1163.2 |
| 2.5° | 1143.8 | 1138.5 | 1131.6 | 1125.5 | 1117.1 | 1108.8 | 1107.2 | 1110.3 | 1111.1 | 1107.2 | 1108.4 |
| 5° | 1116.8 | 1106.9 | 1098.5 | 1084.8 | 1076.0 | 1064.6 | 1057.0 | 1057.0 | 1057.0 | 1051.3 | 1046.0 |
| 7.5° | 1088.6 | 1075.3 | 1059.3 | 1046.3 | 1028.5 | 1013.6 | 1006.4 | 1003.0 | 996.1 | 990.4 | 983.9 |
| 10° | 1055.9 | 1037.2 | 1017.4 | 997.2 | 981.6 | 961.1 | 948.9 | 941.3 | 929.5 | 924.5 | 915.0 |
| 12.5° | 1017.4 | 998.8 | 974.8 | 942.1 | 937.5 | 912.4 | 895.2 | 881.2 | 866.7 | 854.9 | 850.7 |
| 15° | 986.6 | 954.2 | 922.3 | 899.0 | 865.2 | 850.3 | 825.2 | 822.9 | 811.1 | 776.5 | 749.5 |
| 17.5° | 936.7 | 907.8 | 872.4 | 846.5 | 819.5 | 786.4 | 759.7 | 733.5 | 708.3 | 684.0 | 683.2 |
| 20° | 892.6 | 858.7 | 825.2 | 797.0 | 749.8 | 702.6 | 686.3 | 662.3 | 647.4 | 628.0 | 622.3 |
| 22.5° | 844.2 | 808.8 | 767.0 | 725.9 | 670.7 | 641.0 | 623.1 | 604.1 | 589.2 | 580.5 | 571.7 |
| 25° | 795.5 | 760.1 | 704.5 | 653.9 | 616.2 | 593.0 | 577.8 | 557.2 | 546.6 | 539.0 | 527.6 |
| 27.5° | 747.9 | 703.0 | 644.4 | 604.1 | 573.6 | 547.3 | 533.6 | 516.9 | 505.1 | 495.2 | 488.0 |
| 30° | 700.7 | 639.1 | 589.2 | 558.0 | 526.8 | 510.4 | 492.5 | 480.0 | 471.2 | 462.1 | 450.3 |
| 32.5° | 649.0 | 584.3 | 551.9 | 513.5 | 495.2 | 471.6 | 458.7 | 445.7 | 434.3 | 427.8 | 423.6 |
| 35° | 588.8 | 536.7 | 507.8 | 479.6 | 456.4 | 440.8 | 422.5 | 414.5 | 408.4 | 395.9 | 390.5 |
| 37.5° | 537.8 | 500.1 | 469.7 | 444.6 | 423.3 | 406.5 | 398.1 | 384.4 | 375.7 | 371.5 | 365.8 |
| 40° | 495.6 | 462.1 | 435.8 | 410.3 | 392.4 | 380.2 | 365.4 | 358.2 | 346.8 | 342.6 | 338.0 |
| 42.5° | 459.0 | 428.2 | 400.8 | 381.4 | 365.8 | 349.0 | 341.4 | 329.2 | 324.3 | 314.0 | 310.2 |
| 45° | 422.1 | 394.7 | 370.7 | 351.7 | 336.9 | 326.6 | 312.9 | 305.3 | 296.5 | 291.2 | 280.9 |
| 47.5° | 385.2 | 360.8 | 341.0 | 325.1 | 312.1 | 299.6 | 288.1 | 281.7 | 270.6 | 264.9 | 259.6 |
| 50° | 356.6 | 333.0 | 314.4 | 298.4 | 285.1 | 272.5 | 265.3 | 254.6 | 244.7 | 238.3 | 236.4 |
| 52.5° | 322.8 | 302.2 | 285.1 | 272.9 | 259.6 | 250.5 | 240.6 | 228.8 | 223.8 | 217.3 | 215.8 |
| 55° | 292.7 | 276.0 | 261.5 | 248.6 | 237.1 | 226.9 | 215.4 | 207.1 | 203.3 | 200.2 | 197.9 |
| 57.5° | 264.5 | 248.6 | 235.2 | 223.4 | 213.5 | 202.9 | 193.4 | 188.4 | 185.0 | 181.6 | 179.3 |
| 60° | 236.8 | 222.3 | 210.1 | 200.2 | 189.9 | 179.7 | 172.8 | 168.6 | 166.0 | 161.0 | 159.5 |
| 62.5° | 212.0 | 198.7 | 186.1 | 177.0 | 167.5 | 159.5 | 153.8 | 148.1 | 143.9 | 140.1 | 132.1 |
| 65° | 185.0 | 173.2 | 163.7 | 154.5 | 145.4 | 139.3 | 132.8 | 126.4 | 121.0 | 121.0 | 121.0 |
| 67.5° | 161.0 | 150.7 | 140.8 | 132.8 | 124.8 | 117.6 | 111.1 | 110.8 | 108.9 | 108.1 | 107.0 |
| 70° | 136.6 | 129.4 | 120.3 | 111.5 | 103.5 | 100.1 | 99.0 | 97.1 | 94.8 | 94.4 | 92.9 |
| 72.5° | 114.6 | 106.2 | 97.8 | 90.2 | 88.7 | 87.2 | 84.9 | 83.0 | 81.5 | 80.3 | 79.6 |
| 75° | 93.6 | 85.3 | 78.4 | 76.5 | 74.6 | 71.9 | 70.0 | 68.5 | 67.8 | 67.8 | 67.4 |
| 77.5° | 71.6 | 66.6 | 63.6 | 60.5 | 59.0 | 57.5 | 56.3 | 55.6 | 54.4 | 54.8 | 54.0 |
| 80° | 52.5 | 51.0 | 48.3 | 46.4 | 45.7 | 44.2 | 43.4 | 43.0 | 42.2 | 42.2 | 41.9 |
| 82.5° | 37.7 | 35.0 | 33.9 | 32.7 | 32.0 | 31.2 | 31.6 | 31.2 | 30.8 | 30.5 | 30.8 |
| 85° | 21.7 | 21.3 | 20.6 | 20.6 | 20.6 | 20.2 | 20.2 | 20.2 | 19.8 | 19.4 | 19.4 |
| 87.5° | 9.5 | 9.9 | 9.9 | 9.1 | 10.3 | 10.3 | 9.9 | 9.9 | 9.5 | 10.3 | 9.5 |
| 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: P243269

CATALOG NUMBER: S122RDR-H675D930-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1163.2 | 1163.2 | 1163.2 | 1163.2 |
| 2.5° | 1103.4 | 1103.1 | 1100.8 | 1097.0 |
| 5° | 1043.7 | 1042.2 | 1038.4 | 1041.4 |
| 7.5° | 979.7 | 975.5 | 971.7 | 973.6 |
| 10° | 911.2 | 909.7 | 907.4 | 902.8 |
| 12.5° | 835.5 | 841.6 | 835.1 | 849.6 |
| 15° | 723.2 | 750.2 | 716.3 | 727.8 |
| 17.5° | 667.2 | 667.6 | 663.1 | 657.7 |
| 20° | 614.7 | 601.4 | 606.3 | 597.6 |
| 22.5° | 564.1 | 561.0 | 559.5 | 556.5 |
| 25° | 518.8 | 513.1 | 511.2 | 513.1 |
| 27.5° | 485.3 | 482.6 | 475.4 | 474.3 |
| 30° | 443.4 | 442.3 | 440.0 | 439.2 |
| 32.5° | 417.2 | 412.2 | 411.1 | 406.5 |
| 35° | 387.9 | 385.2 | 383.3 | 382.2 |
| 37.5° | 358.6 | 357.0 | 353.6 | 355.5 |
| 40° | 334.6 | 327.0 | 323.9 | 323.5 |
| 42.5° | 308.3 | 304.1 | 298.0 | 296.1 |
| 45° | 277.9 | 276.0 | 274.1 | 273.3 |
| 47.5° | 251.2 | 250.1 | 247.8 | 246.6 |
| 50° | 232.2 | 229.1 | 228.8 | 228.4 |
| 52.5° | 213.9 | 212.8 | 211.6 | 213.2 |
| 55° | 196.8 | 195.3 | 194.1 | 194.1 |
| 57.5° | 178.1 | 175.5 | 173.2 | 173.6 |
| 60° | 156.4 | 154.9 | 153.0 | 152.3 |
| 62.5° | 131.3 | 131.3 | 130.9 | 130.9 |
| 65° | 119.5 | 118.8 | 118.4 | 118.8 |
| 67.5° | 106.6 | 105.8 | 104.7 | 105.1 |
| 70° | 91.7 | 91.4 | 91.7 | 91.4 |
| 72.5° | 78.4 | 78.0 | 78.4 | 79.2 |
| 75° | 66.2 | 65.8 | 65.5 | 65.5 |
| 77.5° | 53.7 | 53.3 | 52.5 | 53.3 |
| 80° | 41.9 | 41.5 | 41.1 | 41.1 |
| 82.5° | 29.7 | 30.1 | 29.7 | 29.7 |
| 85° | 19.4 | 19.8 | 19.4 | 19.0 |
| 87.5° | 9.9 | 10.3 | 9.5 | 9.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)