

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: P333867

Luminaire Tested: **SA2XXRDP-C675D930-4F0-1E-UDD-A**

Issue Date: 10/11/2019

Test Information

Test Method: LM-79-08
Report Number: P333867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-29)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/11/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDP-C675D930-4F0-1E-UDD-A
Description: DEFINE 2 REGRESSED 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

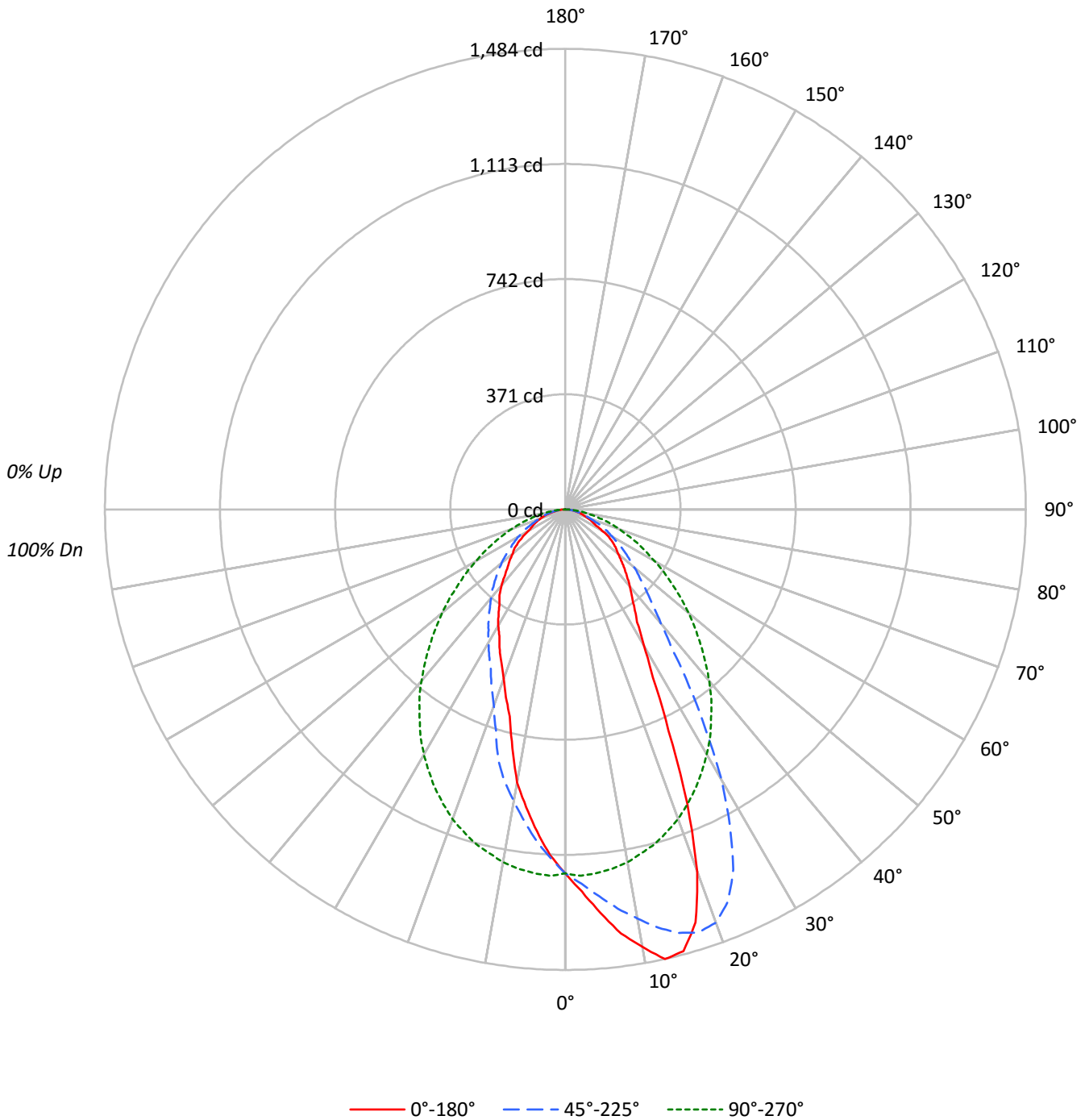
Lumens per Lamp: N/A
Luminaire Lumens: 2027.5 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

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: P333867
CATALOG NUMBER: SA2XXRDP-C675D930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333867

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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 | 111 | 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 | 87 | 83 | 80 | 84 | 81 | 78 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 |
| 4 | 87 | 77 | 69 | 63 | 85 | 76 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 59 |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 61 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 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 | 39 |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 47 | 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° | 18944 | 18944 | 18944 |
| 5° | 21157 | 19062 | 16901 |
| 10° | 23473 | 18928 | 14650 |
| 15° | 24627 | 18651 | 11544 |
| 20° | 21350 | 18240 | 9988 |
| 25° | 14003 | 17678 | 8918 |
| 30° | 9424 | 16996 | 8071 |
| 35° | 7634 | 16135 | 7281 |
| 40° | 6789 | 15201 | 6736 |
| 45° | 6145 | 14102 | 6014 |
| 50° | 5591 | 13016 | 5571 |
| 55° | 5255 | 11809 | 5188 |
| 60° | 4398 | 10701 | 4343 |
| 65° | 3706 | 9719 | 4206 |
| 70° | 3427 | 8681 | 3965 |
| 75° | 3206 | 7555 | 3662 |
| 80° | 2957 | 6220 | 3264 |
| 85° | 2723 | 4909 | 2871 |



TEST NUMBER: P333867

CATALOG NUMBER: SA2XXRDP-C675D930-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 111.3 | 5.5 |
| 10°-20° | 310.6 | 15.3 |
| 20°-30° | 399.8 | 19.7 |
| 30°-40° | 379.2 | 18.7 |
| 40°-50° | 325.0 | 16.0 |
| 50°-60° | 247.5 | 12.2 |
| 60°-70° | 156.1 | 7.7 |
| 70°-80° | 77.9 | 3.8 |
| 80°-90° | 20.0 | 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° | 821.7 | 40.5 |
| 0°-40° | 1200.9 | 59.2 |
| 0°-60° | 1773.4 | 87.5 |
| 0°-90° | 2027.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2027.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1173 | 1173 | 1173 | 1173 | 1173 | |
| 5° | 1305 | 1252 | 1176 | 1072 | 1043 | 129 |
| 15° | 1473 | 1413 | 1116 | 835 | 691 | 401 |
| 25° | 786 | 1280 | 992 | 568 | 501 | 371 |
| 35° | 387 | 696 | 819 | 431 | 369 | 246 |
| 45° | 269 | 367 | 618 | 318 | 263 | 208 |
| 55° | 187 | 228 | 420 | 216 | 184 | 164 |
| 65° | 97 | 130 | 254 | 130 | 110 | 98 |
| 75° | 51 | 58 | 121 | 66 | 59 | 54 |
| 85° | 15 | 15 | 26 | 16 | 16 | 16 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P333867

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 |
| 2.5° | 1232.8 | 1234.0 | 1235.2 | 1232.4 | 1232.4 | 1229.9 | 1224.6 | 1220.6 | 1209.2 | 1207.5 | 1207.5 |
| 5° | 1305.4 | 1304.5 | 1306.2 | 1300.9 | 1293.5 | 1291.9 | 1284.2 | 1274.0 | 1263.4 | 1251.6 | 1249.1 |
| 7.5° | 1378.7 | 1373.9 | 1371.8 | 1374.3 | 1366.5 | 1355.9 | 1342.9 | 1330.6 | 1312.3 | 1297.2 | 1287.8 |
| 10° | 1431.7 | 1445.2 | 1437.0 | 1422.8 | 1425.6 | 1406.5 | 1396.3 | 1378.7 | 1364.1 | 1338.4 | 1332.7 |
| 12.5° | 1483.9 | 1487.2 | 1486.0 | 1479.4 | 1474.1 | 1462.3 | 1447.6 | 1433.0 | 1402.8 | 1380.4 | 1356.7 |
| 15° | 1473.3 | 1481.1 | 1483.1 | 1480.7 | 1482.7 | 1481.9 | 1474.5 | 1461.9 | 1438.3 | 1413.0 | 1391.0 |
| 17.5° | 1395.1 | 1404.0 | 1411.4 | 1417.9 | 1428.1 | 1448.0 | 1454.2 | 1456.6 | 1446.8 | 1428.9 | 1410.5 |
| 20° | 1242.6 | 1233.6 | 1271.1 | 1290.3 | 1306.6 | 1347.4 | 1382.4 | 1395.9 | 1417.5 | 1417.1 | 1413.0 |
| 22.5° | 1026.5 | 1031.4 | 1066.5 | 1090.1 | 1145.6 | 1186.3 | 1227.5 | 1287.4 | 1334.3 | 1369.0 | 1390.2 |
| 25° | 786.0 | 801.5 | 836.9 | 867.9 | 920.9 | 996.8 | 1065.7 | 1145.6 | 1221.0 | 1280.5 | 1337.2 |
| 27.5° | 611.5 | 613.5 | 645.8 | 677.1 | 709.8 | 775.4 | 867.5 | 963.3 | 1071.0 | 1148.4 | 1246.3 |
| 30° | 505.5 | 503.1 | 514.9 | 532.4 | 559.3 | 607.4 | 672.7 | 766.4 | 873.6 | 1007.4 | 1126.4 |
| 32.5° | 430.5 | 431.3 | 439.5 | 451.3 | 472.5 | 501.0 | 540.6 | 612.3 | 712.2 | 843.1 | 987.8 |
| 35° | 387.3 | 386.9 | 393.4 | 402.8 | 412.2 | 432.9 | 463.5 | 503.5 | 573.2 | 695.9 | 838.6 |
| 37.5° | 351.4 | 353.5 | 356.3 | 362.4 | 373.8 | 386.1 | 405.2 | 433.4 | 486.4 | 562.6 | 690.6 |
| 40° | 322.1 | 322.9 | 327.4 | 332.3 | 338.4 | 347.3 | 362.4 | 384.0 | 420.3 | 478.2 | 565.8 |
| 42.5° | 295.2 | 296.0 | 298.8 | 303.3 | 307.8 | 316.8 | 328.6 | 346.5 | 374.2 | 416.2 | 484.7 |
| 45° | 269.1 | 269.1 | 271.9 | 274.0 | 279.3 | 287.4 | 297.6 | 313.1 | 333.5 | 366.9 | 415.0 |
| 47.5° | 243.8 | 243.8 | 245.8 | 249.5 | 253.2 | 259.7 | 270.3 | 283.3 | 298.0 | 325.3 | 368.1 |
| 50° | 222.6 | 223.0 | 224.2 | 227.1 | 229.1 | 234.8 | 242.6 | 253.6 | 269.1 | 289.0 | 323.3 |
| 52.5° | 205.5 | 205.1 | 206.7 | 207.5 | 208.7 | 212.4 | 217.7 | 227.1 | 240.5 | 257.2 | 284.1 |
| 55° | 186.7 | 185.1 | 187.5 | 189.6 | 190.8 | 192.4 | 195.7 | 201.8 | 213.6 | 228.3 | 249.5 |
| 57.5° | 164.7 | 163.9 | 165.1 | 167.1 | 170.8 | 174.9 | 176.9 | 181.0 | 187.1 | 198.5 | 221.0 |
| 60° | 136.2 | 136.2 | 139.8 | 141.1 | 145.5 | 151.2 | 157.0 | 160.2 | 166.3 | 173.3 | 188.8 |
| 62.5° | 110.9 | 111.3 | 112.5 | 113.7 | 115.8 | 123.1 | 131.7 | 139.8 | 145.5 | 152.1 | 161.0 |
| 65° | 97.0 | 97.8 | 97.8 | 98.7 | 100.3 | 101.9 | 105.2 | 110.9 | 121.1 | 130.5 | 138.2 |
| 67.5° | 84.8 | 84.8 | 85.2 | 86.0 | 86.4 | 88.5 | 89.7 | 92.5 | 94.6 | 105.2 | 115.8 |
| 70° | 72.6 | 73.8 | 73.4 | 74.2 | 74.6 | 75.4 | 77.0 | 78.3 | 81.9 | 84.0 | 89.7 |
| 72.5° | 61.2 | 62.0 | 62.0 | 62.4 | 63.6 | 63.6 | 64.8 | 66.0 | 68.1 | 69.7 | 72.2 |
| 75° | 51.4 | 51.0 | 51.4 | 52.2 | 52.6 | 53.0 | 53.0 | 54.6 | 55.9 | 57.5 | 59.5 |
| 77.5° | 41.6 | 42.0 | 42.0 | 42.0 | 42.0 | 42.8 | 42.8 | 43.6 | 44.8 | 45.7 | 46.9 |
| 80° | 31.8 | 32.2 | 31.8 | 32.2 | 32.6 | 33.0 | 32.6 | 33.0 | 34.2 | 35.1 | 35.1 |
| 82.5° | 22.8 | 22.8 | 23.2 | 23.2 | 23.2 | 23.2 | 24.1 | 24.1 | 24.9 | 24.5 | 24.9 |
| 85° | 14.7 | 14.3 | 14.3 | 14.3 | 14.7 | 15.1 | 14.7 | 14.7 | 15.1 | 15.1 | 15.1 |
| 87.5° | 6.5 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 7.3 | 6.9 | 7.3 | 6.9 |
| 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: P333867

CATALOG NUMBER: SA2XXRDP-C675D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 |
| 2.5° | 1208.3 | 1205.1 | 1202.2 | 1194.9 | 1191.2 | 1183.1 | 1181.8 | 1181.4 | 1170.8 | 1160.6 | 1157.8 |
| 5° | 1242.6 | 1236.1 | 1226.3 | 1214.9 | 1203.0 | 1190.8 | 1182.7 | 1176.1 | 1159.8 | 1144.3 | 1135.4 |
| 7.5° | 1276.4 | 1264.6 | 1249.1 | 1229.5 | 1212.8 | 1193.3 | 1179.8 | 1167.6 | 1145.1 | 1124.8 | 1111.3 |
| 10° | 1315.1 | 1292.3 | 1269.9 | 1240.1 | 1216.9 | 1194.1 | 1172.9 | 1154.5 | 1128.4 | 1099.1 | 1078.3 |
| 12.5° | 1339.2 | 1313.5 | 1280.5 | 1251.6 | 1219.8 | 1189.2 | 1159.0 | 1134.1 | 1102.3 | 1071.8 | 1046.1 |
| 15° | 1360.4 | 1333.5 | 1296.0 | 1254.4 | 1215.7 | 1177.8 | 1145.1 | 1115.8 | 1075.8 | 1039.6 | 1009.4 |
| 17.5° | 1380.0 | 1342.9 | 1304.1 | 1256.0 | 1213.2 | 1167.2 | 1126.0 | 1089.3 | 1045.7 | 1002.9 | 968.6 |
| 20° | 1388.5 | 1351.8 | 1305.4 | 1257.3 | 1204.3 | 1147.6 | 1102.3 | 1061.6 | 1013.9 | 966.2 | 925.4 |
| 22.5° | 1383.2 | 1356.7 | 1303.7 | 1243.8 | 1189.2 | 1129.3 | 1076.7 | 1027.7 | 973.5 | 924.6 | 875.7 |
| 25° | 1355.5 | 1345.7 | 1296.8 | 1234.0 | 1172.1 | 1103.2 | 1044.0 | 992.3 | 931.9 | 879.8 | 828.4 |
| 27.5° | 1304.5 | 1318.8 | 1284.2 | 1216.1 | 1149.2 | 1075.0 | 1010.6 | 952.3 | 890.8 | 832.5 | 781.1 |
| 30° | 1223.8 | 1272.3 | 1259.3 | 1197.3 | 1120.3 | 1047.7 | 973.1 | 911.6 | 844.7 | 784.4 | 733.8 |
| 32.5° | 1113.4 | 1201.4 | 1220.6 | 1171.2 | 1090.9 | 1009.4 | 930.3 | 869.2 | 798.6 | 734.2 | 685.3 |
| 35° | 994.7 | 1114.6 | 1169.6 | 1136.6 | 1056.7 | 970.7 | 889.9 | 818.6 | 748.5 | 685.7 | 636.8 |
| 37.5° | 854.1 | 1013.9 | 1098.7 | 1095.0 | 1018.8 | 931.1 | 843.5 | 772.9 | 700.8 | 638.8 | 587.9 |
| 40° | 717.9 | 894.8 | 1014.3 | 1040.8 | 978.8 | 882.2 | 793.3 | 721.2 | 651.1 | 590.7 | 530.0 |
| 42.5° | 595.6 | 771.7 | 925.4 | 976.4 | 930.3 | 834.5 | 745.2 | 669.0 | 601.3 | 545.1 | 482.7 |
| 45° | 501.4 | 655.5 | 817.4 | 899.7 | 872.4 | 783.5 | 689.4 | 617.6 | 553.6 | 504.3 | 444.8 |
| 47.5° | 434.2 | 546.3 | 708.9 | 816.6 | 813.3 | 728.9 | 635.2 | 566.3 | 505.9 | 460.3 | 409.7 |
| 50° | 378.3 | 472.9 | 605.4 | 731.8 | 742.4 | 674.3 | 586.2 | 518.2 | 462.7 | 414.2 | 375.5 |
| 52.5° | 328.2 | 402.0 | 517.7 | 637.6 | 672.7 | 616.0 | 531.2 | 469.6 | 416.2 | 372.6 | 340.8 |
| 55° | 285.8 | 346.1 | 436.6 | 549.9 | 595.6 | 554.0 | 478.2 | 419.5 | 375.9 | 338.4 | 309.8 |
| 57.5° | 248.7 | 296.0 | 371.4 | 466.4 | 518.2 | 490.0 | 425.2 | 376.7 | 338.0 | 302.9 | 280.1 |
| 60° | 214.0 | 251.1 | 312.7 | 388.9 | 447.6 | 429.3 | 375.9 | 331.4 | 299.6 | 270.3 | 249.1 |
| 62.5° | 181.4 | 212.0 | 262.5 | 320.8 | 373.4 | 368.5 | 327.4 | 291.9 | 265.0 | 238.9 | 221.8 |
| 65° | 151.2 | 174.5 | 215.7 | 264.2 | 307.4 | 311.1 | 279.7 | 254.4 | 229.5 | 208.3 | 192.4 |
| 67.5° | 125.2 | 141.1 | 172.0 | 214.8 | 247.9 | 259.3 | 238.1 | 217.7 | 197.3 | 180.2 | 165.9 |
| 70° | 101.5 | 113.7 | 134.9 | 168.0 | 197.7 | 210.0 | 198.9 | 183.9 | 166.7 | 153.3 | 141.5 |
| 72.5° | 77.5 | 89.3 | 103.5 | 125.6 | 150.0 | 163.5 | 161.4 | 151.7 | 138.6 | 128.0 | 117.0 |
| 75° | 62.0 | 65.6 | 76.2 | 92.5 | 112.5 | 123.9 | 126.8 | 121.1 | 110.1 | 101.5 | 95.0 |
| 77.5° | 48.1 | 50.6 | 56.3 | 66.0 | 79.9 | 90.1 | 94.6 | 93.8 | 85.6 | 79.9 | 73.8 |
| 80° | 36.7 | 37.9 | 40.4 | 44.0 | 53.8 | 64.0 | 66.9 | 66.9 | 61.6 | 59.5 | 53.4 |
| 82.5° | 25.7 | 26.5 | 27.7 | 29.4 | 32.6 | 41.2 | 44.4 | 45.3 | 42.4 | 39.5 | 35.1 |
| 85° | 15.9 | 15.5 | 16.3 | 17.5 | 18.3 | 20.8 | 25.7 | 26.5 | 25.7 | 22.4 | 21.2 |
| 87.5° | 6.9 | 7.3 | 7.3 | 6.9 | 7.3 | 7.7 | 9.8 | 11.8 | 10.2 | 9.0 | 8.2 |
| 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):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 | 1173.3 |
| 2.5° | 1152.5 | 1149.6 | 1144.3 | 1136.2 | 1131.3 | 1122.7 | 1117.0 | 1120.3 | 1121.1 | 1120.3 | 1119.5 |
| 5° | 1125.6 | 1117.0 | 1105.2 | 1093.8 | 1083.2 | 1071.8 | 1065.2 | 1062.4 | 1056.7 | 1053.4 | 1051.8 |
| 7.5° | 1095.0 | 1082.4 | 1065.7 | 1047.3 | 1030.2 | 1013.9 | 1006.5 | 1000.8 | 990.2 | 984.5 | 979.2 |
| 10° | 1059.9 | 1036.7 | 1020.0 | 993.9 | 978.0 | 954.8 | 938.9 | 939.3 | 923.4 | 914.4 | 907.9 |
| 12.5° | 1021.2 | 995.1 | 964.6 | 941.7 | 918.1 | 900.5 | 880.6 | 870.8 | 853.7 | 845.1 | 824.7 |
| 15° | 977.6 | 947.8 | 918.5 | 886.7 | 864.3 | 835.3 | 807.6 | 773.8 | 746.4 | 722.8 | 716.3 |
| 17.5° | 931.1 | 894.4 | 865.5 | 832.9 | 797.8 | 745.2 | 711.0 | 690.2 | 673.9 | 661.7 | 651.9 |
| 20° | 883.0 | 845.5 | 814.1 | 757.9 | 706.1 | 673.1 | 649.4 | 634.3 | 617.2 | 603.8 | 596.4 |
| 22.5° | 832.5 | 792.9 | 747.3 | 682.8 | 645.3 | 620.5 | 600.1 | 582.2 | 572.0 | 562.2 | 555.7 |
| 25° | 785.2 | 742.4 | 671.8 | 628.6 | 596.0 | 568.3 | 553.6 | 543.0 | 530.8 | 516.5 | 510.0 |
| 27.5° | 735.8 | 667.8 | 614.4 | 583.0 | 549.5 | 532.0 | 519.4 | 501.8 | 490.8 | 485.5 | 478.2 |
| 30° | 679.2 | 611.1 | 571.6 | 536.5 | 514.5 | 494.5 | 479.0 | 470.0 | 459.4 | 448.4 | 444.0 |
| 32.5° | 616.0 | 565.0 | 527.5 | 499.8 | 477.4 | 461.1 | 449.7 | 433.8 | 426.8 | 421.1 | 410.5 |
| 35° | 565.8 | 524.7 | 490.0 | 466.4 | 445.2 | 431.3 | 417.0 | 408.5 | 394.6 | 388.9 | 385.2 |
| 37.5° | 520.2 | 484.3 | 458.2 | 432.1 | 415.8 | 399.5 | 391.4 | 377.1 | 371.8 | 362.8 | 355.5 |
| 40° | 482.7 | 447.6 | 422.8 | 402.4 | 383.6 | 372.2 | 361.2 | 350.2 | 341.2 | 337.6 | 328.2 |
| 42.5° | 444.4 | 417.5 | 392.6 | 369.8 | 358.8 | 346.5 | 331.8 | 324.5 | 315.1 | 308.6 | 303.7 |
| 45° | 409.7 | 384.4 | 363.2 | 344.9 | 331.0 | 318.4 | 309.4 | 296.0 | 290.7 | 278.8 | 274.0 |
| 47.5° | 379.1 | 354.7 | 334.3 | 316.4 | 302.5 | 295.2 | 282.1 | 270.3 | 262.9 | 254.8 | 247.9 |
| 50° | 346.1 | 326.5 | 307.0 | 291.5 | 279.3 | 267.4 | 254.0 | 248.7 | 235.6 | 232.0 | 228.3 |
| 52.5° | 315.9 | 297.6 | 280.1 | 265.0 | 252.8 | 241.3 | 229.9 | 222.6 | 214.8 | 211.2 | 208.7 |
| 55° | 288.2 | 270.3 | 253.2 | 239.7 | 227.5 | 215.7 | 208.3 | 199.8 | 195.7 | 192.8 | 189.6 |
| 57.5° | 259.7 | 243.4 | 229.9 | 216.1 | 203.8 | 194.1 | 185.1 | 180.2 | 176.1 | 172.9 | 168.4 |
| 60° | 232.8 | 217.3 | 205.5 | 192.8 | 180.2 | 172.4 | 165.9 | 159.8 | 154.9 | 149.2 | 147.6 |
| 62.5° | 204.2 | 191.2 | 180.6 | 168.4 | 157.8 | 150.8 | 144.7 | 139.0 | 132.9 | 123.9 | 121.5 |
| 65° | 178.6 | 168.0 | 156.5 | 146.4 | 136.6 | 129.6 | 120.7 | 114.1 | 111.7 | 110.9 | 110.5 |
| 67.5° | 154.9 | 144.7 | 134.9 | 124.3 | 115.4 | 107.6 | 102.3 | 101.5 | 99.9 | 99.5 | 98.2 |
| 70° | 131.3 | 121.9 | 112.1 | 102.3 | 93.8 | 92.5 | 90.9 | 89.3 | 87.2 | 86.4 | 85.6 |
| 72.5° | 110.1 | 100.3 | 90.5 | 83.2 | 80.7 | 79.1 | 77.5 | 75.8 | 74.6 | 73.8 | 73.4 |
| 75° | 87.6 | 78.7 | 72.2 | 69.3 | 67.3 | 66.0 | 63.6 | 62.4 | 61.6 | 60.3 | 59.9 |
| 77.5° | 66.9 | 61.2 | 57.9 | 56.3 | 53.8 | 52.6 | 51.0 | 49.7 | 48.5 | 48.5 | 47.7 |
| 80° | 48.1 | 45.7 | 43.6 | 41.2 | 40.4 | 38.7 | 38.3 | 37.1 | 37.5 | 36.3 | 36.3 |
| 82.5° | 34.7 | 31.4 | 29.8 | 28.9 | 28.1 | 26.9 | 26.5 | 26.1 | 26.1 | 25.3 | 25.3 |
| 85° | 19.2 | 18.3 | 17.5 | 16.7 | 16.7 | 15.5 | 15.9 | 15.5 | 15.5 | 14.7 | 14.3 |
| 87.5° | 7.7 | 7.3 | 6.5 | 6.5 | 6.5 | 6.1 | 6.1 | 5.7 | 5.7 | 5.7 | 5.3 |
| 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: P333867

CATALOG NUMBER: SA2XXRDP-C675D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1173.3 | 1173.3 | 1173.3 | 1173.3 |
| 2.5° | 1115.0 | 1115.8 | 1114.6 | 1115.4 |
| 5° | 1049.8 | 1044.9 | 1044.0 | 1042.8 |
| 7.5° | 972.7 | 972.3 | 969.9 | 967.0 |
| 10° | 898.9 | 896.9 | 896.5 | 893.6 |
| 12.5° | 812.5 | 796.6 | 795.0 | 786.8 |
| 15° | 706.5 | 704.0 | 695.9 | 690.6 |
| 17.5° | 647.4 | 639.2 | 636.4 | 635.2 |
| 20° | 590.7 | 583.4 | 582.2 | 581.3 |
| 22.5° | 551.6 | 543.8 | 540.2 | 537.3 |
| 25° | 505.9 | 503.1 | 501.4 | 500.6 |
| 27.5° | 470.0 | 462.7 | 461.9 | 459.9 |
| 30° | 440.3 | 438.2 | 435.4 | 432.9 |
| 32.5° | 405.2 | 403.6 | 401.1 | 400.3 |
| 35° | 381.2 | 375.5 | 373.0 | 369.4 |
| 37.5° | 354.7 | 351.4 | 347.3 | 349.0 |
| 40° | 322.9 | 320.8 | 320.0 | 319.6 |
| 42.5° | 297.6 | 291.1 | 288.6 | 288.6 |
| 45° | 271.9 | 266.6 | 262.9 | 263.4 |
| 47.5° | 244.2 | 244.6 | 242.2 | 243.0 |
| 50° | 225.4 | 223.0 | 221.4 | 221.8 |
| 52.5° | 207.5 | 205.5 | 204.2 | 206.3 |
| 55° | 187.5 | 185.1 | 184.7 | 184.3 |
| 57.5° | 165.9 | 164.7 | 162.7 | 161.4 |
| 60° | 142.3 | 139.0 | 134.9 | 134.5 |
| 62.5° | 120.7 | 120.7 | 120.7 | 120.7 |
| 65° | 109.7 | 109.3 | 109.7 | 110.1 |
| 67.5° | 98.2 | 97.4 | 96.6 | 97.0 |
| 70° | 84.8 | 84.4 | 84.0 | 84.0 |
| 72.5° | 71.8 | 71.8 | 71.3 | 70.9 |
| 75° | 59.5 | 58.7 | 58.7 | 58.7 |
| 77.5° | 47.7 | 47.3 | 46.9 | 46.5 |
| 80° | 35.9 | 35.5 | 35.1 | 35.1 |
| 82.5° | 25.3 | 24.9 | 24.9 | 24.5 |
| 85° | 14.7 | 15.1 | 14.7 | 15.5 |
| 87.5° | 5.3 | 4.9 | 5.3 | 4.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)