

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: P332948-840

Luminaire Tested: **SA4XXRDIP-C795D1035U840-4F0-1E-UDD-F4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332948-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-F4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6976.1 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

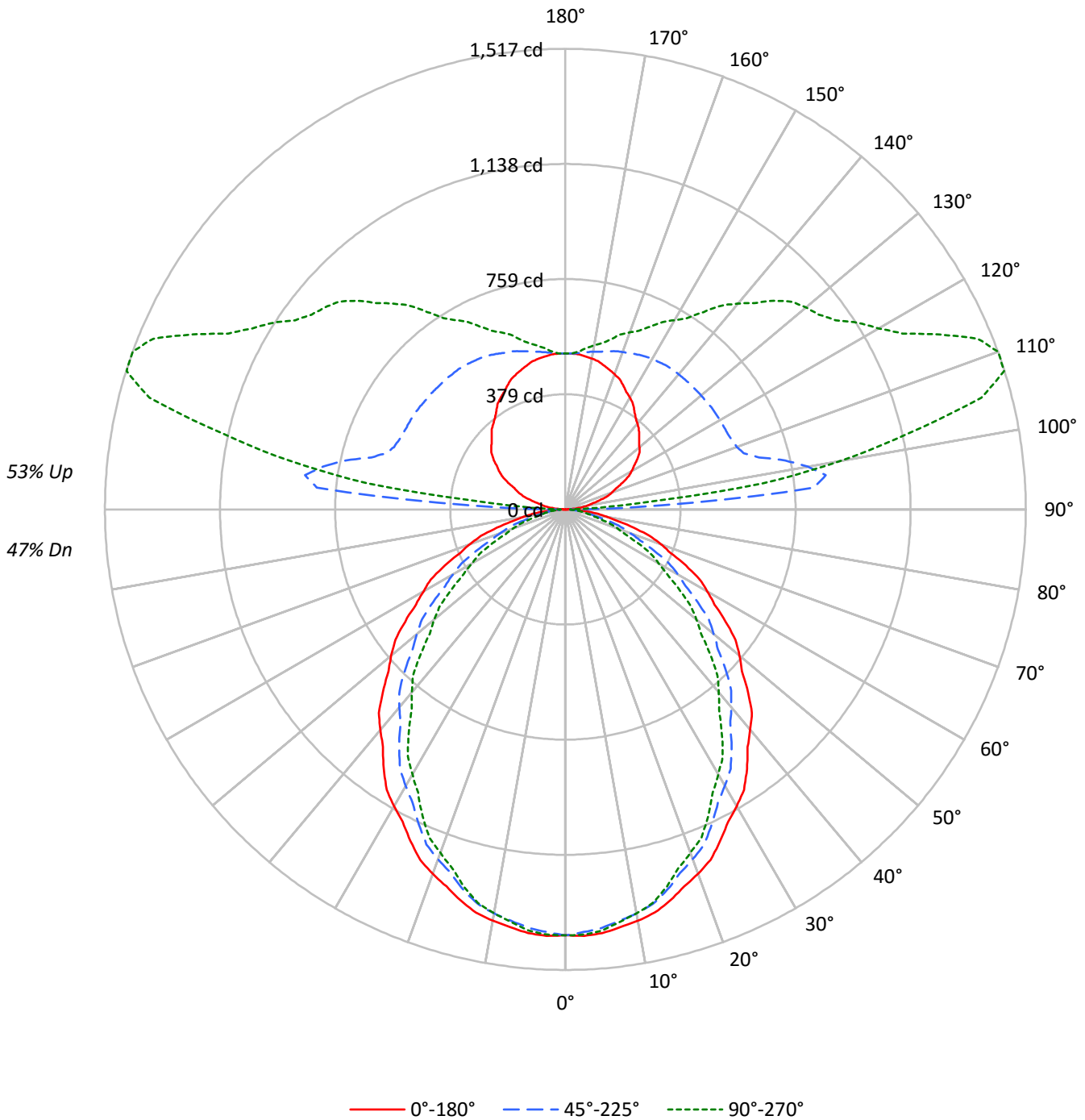
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332948-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332948-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-F4

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 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 81 | 81 | 81 | 67 | 67 | 67 | 53 | 53 | 53 | 47 | | | | 47 |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 82 | 79 | 72 | 69 | 67 | 59 | 57 | 56 | 47 | 46 | 45 | | | | 40 | |
| 2 | 89 | 82 | 76 | 71 | 81 | 75 | 70 | 66 | 63 | 59 | 56 | 52 | 49 | 47 | 42 | 40 | 38 | | | | 34 | |
| 3 | 81 | 72 | 65 | 59 | 74 | 66 | 60 | 55 | 56 | 51 | 47 | 46 | 43 | 40 | 37 | 35 | 33 | | | | 29 | |
| 4 | 74 | 64 | 56 | 50 | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 41 | 38 | 34 | 33 | 31 | 29 | | | | 25 | |
| 5 | 68 | 57 | 49 | 43 | 62 | 53 | 46 | 40 | 45 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | | | | 22 | |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 31 | 34 | 30 | 26 | 27 | 24 | 22 | | | | 19 | |
| 7 | 58 | 46 | 38 | 33 | 53 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 26 | 23 | 25 | 22 | 20 | | | | 17 | |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 18 | | | | 15 | |
| 9 | 50 | 38 | 31 | 26 | 46 | 36 | 29 | 24 | 31 | 25 | 22 | 26 | 22 | 19 | 21 | 18 | 16 | | | | 14 | |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 20 | 17 | 15 | | | | 13 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11326 | 11326 | 11326 |
| 5° | 11351 | 11212 | 11281 |
| 10° | 11280 | 11077 | 11077 |
| 15° | 11150 | 10845 | 10764 |
| 20° | 10972 | 10539 | 10345 |
| 25° | 10745 | 10180 | 9922 |
| 30° | 10523 | 9803 | 9392 |
| 35° | 10279 | 9411 | 8861 |
| 40° | 9985 | 8965 | 8286 |
| 45° | 9712 | 8524 | 7702 |
| 50° | 9403 | 8013 | 7082 |
| 55° | 9071 | 7484 | 6410 |
| 60° | 8707 | 6902 | 5724 |
| 65° | 8373 | 6178 | 5049 |
| 70° | 7886 | 5375 | 4286 |
| 75° | 7271 | 4457 | 3484 |
| 80° | 6341 | 3394 | 3199 |
| 85° | 5372 | 3084 | 2881 |



TEST NUMBER: P332948-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 131.8 | 1.9 |
| 10°-20° | 367.5 | 5.3 |
| 20°-30° | 530.6 | 7.6 |
| 30°-40° | 601.5 | 8.6 |
| 40°-50° | 580.8 | 8.3 |
| 50°-60° | 483.0 | 6.9 |
| 60°-70° | 333.5 | 4.8 |
| 70°-80° | 169.1 | 2.4 |
| 80°-90° | 46.2 | 0.7 |
| 90°-100° | 370.6 | 5.3 |
| 100°-110° | 771.4 | 11.1 |
| 110°-120° | 690.9 | 9.9 |
| 120°-130° | 581.2 | 8.3 |
| 130°-140° | 484.6 | 6.9 |
| 140°-150° | 370.2 | 5.3 |
| 150°-160° | 260.2 | 3.7 |
| 160°-170° | 153.1 | 2.2 |
| 170°-180° | 49.8 | 0.7 |
| 0°-30° | 1029.9 | 14.8 |
| 0°-40° | 1631.4 | 23.4 |
| 0°-60° | 2695.2 | 38.6 |
| 0°-90° | 3244.0 | 46.5 |
| 90°-120° | 1833.0 | 26.3 |
| 90°-150° | 3269.0 | 46.9 |
| 90°-180° | 3732.0 | 53.5 |
| 0°-180° | 6976.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1403 | 1403 | 1403 | 1403 | 1403 | |
| 5° | 1401 | 1396 | 1384 | 1394 | 1392 | 133 |
| 15° | 1334 | 1324 | 1298 | 1295 | 1288 | 376 |
| 25° | 1206 | 1186 | 1143 | 1125 | 1114 | 556 |
| 35° | 1043 | 1008 | 955 | 919 | 899 | 651 |
| 45° | 851 | 810 | 747 | 696 | 675 | 656 |
| 55° | 644 | 600 | 532 | 478 | 455 | 576 |
| 65° | 438 | 391 | 323 | 279 | 264 | 433 |
| 75° | 233 | 193 | 143 | 119 | 112 | 246 |
| 85° | 58 | 38 | 33 | 31 | 31 | 65 |
| 90° | 1 | 8 | 18 | 20 | 21 | 5 |
| 95° | 33 | 105 | 822 | 407 | 246 | 37 |
| 105° | 118 | 171 | 661 | 1424 | 1418 | 126 |
| 115° | 208 | 261 | 590 | 1133 | 1362 | 206 |
| 125° | 289 | 344 | 587 | 964 | 1087 | 258 |
| 135° | 344 | 409 | 582 | 856 | 972 | 266 |
| 145° | 396 | 454 | 579 | 722 | 794 | 249 |
| 155° | 451 | 486 | 563 | 637 | 664 | 208 |
| 165° | 491 | 506 | 539 | 571 | 580 | 139 |
| 175° | 512 | 513 | 517 | 524 | 522 | 49 |
| 180° | 513 | 513 | 513 | 513 | 513 | |



TEST NUMBER: P332948-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 |
| 2.5° | 1406.3 | 1405.5 | 1404.7 | 1404.0 | 1403.2 | 1401.8 | 1399.7 | 1397.7 | 1395.5 | 1393.4 | 1395.5 |
| 5° | 1400.7 | 1399.8 | 1398.8 | 1397.9 | 1396.8 | 1395.0 | 1392.1 | 1389.3 | 1386.3 | 1383.5 | 1385.9 |
| 7.5° | 1388.1 | 1387.0 | 1386.0 | 1385.0 | 1384.0 | 1381.7 | 1378.0 | 1374.2 | 1370.5 | 1366.8 | 1368.3 |
| 10° | 1376.0 | 1374.8 | 1373.6 | 1372.4 | 1371.2 | 1368.5 | 1364.2 | 1359.9 | 1355.6 | 1351.3 | 1352.2 |
| 12.5° | 1360.5 | 1359.2 | 1357.8 | 1356.3 | 1355.0 | 1351.8 | 1346.8 | 1341.6 | 1336.6 | 1331.5 | 1332.1 |
| 15° | 1334.1 | 1332.0 | 1329.8 | 1327.7 | 1325.5 | 1321.5 | 1315.5 | 1309.5 | 1303.5 | 1297.6 | 1297.1 |
| 17.5° | 1302.1 | 1299.0 | 1295.9 | 1292.8 | 1289.7 | 1284.5 | 1277.4 | 1270.2 | 1263.0 | 1255.9 | 1254.6 |
| 20° | 1277.2 | 1274.0 | 1271.0 | 1267.9 | 1264.8 | 1259.2 | 1251.0 | 1242.9 | 1234.8 | 1226.7 | 1224.8 |
| 22.5° | 1249.7 | 1246.2 | 1242.7 | 1239.2 | 1235.8 | 1229.6 | 1220.9 | 1212.2 | 1203.6 | 1194.9 | 1192.0 |
| 25° | 1206.3 | 1201.9 | 1197.7 | 1193.4 | 1189.1 | 1182.0 | 1172.3 | 1162.5 | 1152.7 | 1142.9 | 1138.8 |
| 27.5° | 1160.7 | 1155.4 | 1149.9 | 1144.6 | 1139.1 | 1131.3 | 1120.7 | 1110.3 | 1099.8 | 1089.4 | 1084.4 |
| 30° | 1128.9 | 1123.0 | 1117.0 | 1111.1 | 1105.1 | 1096.5 | 1085.3 | 1074.1 | 1062.8 | 1051.6 | 1045.6 |
| 32.5° | 1095.4 | 1088.7 | 1082.0 | 1075.2 | 1068.5 | 1059.3 | 1047.7 | 1036.1 | 1024.5 | 1012.9 | 1006.0 |
| 35° | 1043.0 | 1035.4 | 1027.7 | 1020.1 | 1012.5 | 1002.7 | 990.8 | 978.8 | 966.8 | 954.9 | 946.8 |
| 37.5° | 986.9 | 979.1 | 971.2 | 963.3 | 955.4 | 944.9 | 931.7 | 918.5 | 905.2 | 892.0 | 882.9 |
| 40° | 947.5 | 939.6 | 931.7 | 923.8 | 915.9 | 905.1 | 891.5 | 878.0 | 864.3 | 850.7 | 840.7 |
| 42.5° | 909.6 | 901.3 | 893.1 | 884.8 | 876.6 | 865.4 | 851.2 | 837.0 | 822.8 | 808.6 | 798.4 |
| 45° | 850.7 | 841.9 | 833.0 | 824.3 | 815.4 | 803.9 | 789.5 | 775.2 | 760.8 | 746.6 | 734.9 |
| 47.5° | 789.9 | 780.8 | 771.7 | 762.5 | 753.5 | 741.4 | 726.6 | 711.7 | 696.8 | 681.9 | 669.7 |
| 50° | 748.7 | 739.4 | 730.0 | 720.7 | 711.4 | 699.1 | 683.9 | 668.6 | 653.3 | 638.0 | 626.1 |
| 52.5° | 706.6 | 697.5 | 688.3 | 679.2 | 670.1 | 657.7 | 642.1 | 626.4 | 610.8 | 595.1 | 583.0 |
| 55° | 644.5 | 634.9 | 625.4 | 615.8 | 606.3 | 593.8 | 578.2 | 562.7 | 547.2 | 531.7 | 519.3 |
| 57.5° | 583.1 | 573.1 | 563.2 | 553.3 | 543.3 | 530.7 | 515.4 | 500.2 | 484.9 | 469.6 | 457.1 |
| 60° | 539.3 | 529.7 | 520.2 | 510.6 | 501.0 | 488.7 | 473.3 | 458.1 | 442.8 | 427.5 | 415.1 |
| 62.5° | 499.7 | 489.8 | 479.9 | 469.9 | 460.0 | 447.2 | 431.5 | 415.9 | 400.2 | 384.6 | 373.0 |
| 65° | 438.3 | 428.0 | 417.7 | 407.5 | 397.2 | 384.5 | 369.1 | 353.9 | 338.6 | 323.4 | 313.1 |
| 67.5° | 374.5 | 364.7 | 354.8 | 345.0 | 335.1 | 323.2 | 308.9 | 294.8 | 280.5 | 266.4 | 257.5 |
| 70° | 334.1 | 324.1 | 314.0 | 304.0 | 294.0 | 282.2 | 268.5 | 254.9 | 241.4 | 227.7 | 219.8 |
| 72.5° | 291.1 | 282.1 | 273.0 | 263.9 | 254.8 | 243.9 | 231.1 | 218.1 | 205.3 | 192.5 | 185.7 |
| 75° | 233.1 | 224.3 | 215.4 | 206.6 | 197.7 | 187.7 | 176.5 | 165.3 | 154.1 | 142.9 | 137.3 |
| 77.5° | 174.2 | 166.7 | 159.3 | 151.8 | 144.2 | 135.9 | 126.9 | 117.9 | 108.8 | 99.7 | 96.4 |
| 80° | 136.4 | 129.5 | 122.6 | 115.6 | 108.8 | 101.7 | 94.5 | 87.4 | 80.2 | 73.0 | 72.3 |
| 82.5° | 103.8 | 97.5 | 91.1 | 84.7 | 78.4 | 73.1 | 69.1 | 64.9 | 60.8 | 56.8 | 56.1 |
| 85° | 58.0 | 53.2 | 48.5 | 43.7 | 38.9 | 36.2 | 35.4 | 34.7 | 34.0 | 33.3 | 32.8 |
| 87.5° | 20.0 | 18.9 | 17.9 | 16.6 | 15.2 | 14.4 | 15.5 | 15.2 | 15.5 | 15.7 | 15.2 |
| 90° | 1.0 | 3.0 | 6.1 | 7.1 | 8.1 | 8.1 | 14.1 | 14.1 | 16.2 | 18.2 | 17.2 |
| 92.5° | 11.5 | 16.8 | 26.3 | 38.5 | 53.2 | 74.2 | 125.4 | 203.7 | 279.8 | 319.8 | 266.4 |
| 95° | 33.2 | 36.3 | 46.4 | 59.5 | 83.7 | 126.0 | 213.7 | 379.1 | 620.1 | 821.6 | 844.9 |
| 97.5° | 59.7 | 59.7 | 68.4 | 80.5 | 101.2 | 136.7 | 204.3 | 340.7 | 580.3 | 865.4 | 1061.4 |
| 100° | 76.6 | 76.6 | 83.7 | 95.7 | 114.9 | 147.2 | 206.7 | 320.6 | 526.2 | 810.5 | 1068.6 |
| 102.5° | 92.7 | 94.3 | 100.6 | 111.9 | 130.3 | 160.9 | 214.7 | 315.0 | 490.0 | 742.0 | 1008.1 |
| 105° | 118.0 | 121.0 | 126.0 | 138.1 | 156.2 | 185.5 | 233.9 | 317.6 | 458.7 | 661.4 | 898.3 |
| 107.5° | 145.8 | 147.8 | 152.8 | 165.7 | 183.1 | 211.9 | 256.3 | 332.4 | 453.0 | 616.2 | 809.5 |
| 110° | 164.3 | 166.3 | 171.4 | 183.5 | 201.7 | 228.8 | 273.2 | 343.8 | 454.6 | 600.9 | 765.2 |



TEST NUMBER: P332948-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 182.1 | 184.1 | 190.0 | 201.3 | 219.3 | 246.6 | 289.3 | 355.9 | 459.5 | 593.6 | 740.2 |
| 115° | 207.7 | 210.7 | 217.7 | 227.8 | 247.0 | 274.2 | 314.6 | 375.1 | 468.8 | 589.8 | 716.8 |
| 117.5° | 234.3 | 237.1 | 243.4 | 254.5 | 272.4 | 300.6 | 338.9 | 394.6 | 478.7 | 588.8 | 706.3 |
| 120° | 252.1 | 254.1 | 261.2 | 272.2 | 289.3 | 317.6 | 355.9 | 408.3 | 485.9 | 588.8 | 700.6 |
| 122.5° | 268.2 | 270.1 | 277.2 | 287.5 | 306.3 | 333.7 | 372.0 | 421.2 | 493.2 | 587.9 | 694.2 |
| 125° | 289.3 | 293.4 | 299.4 | 310.5 | 329.6 | 357.9 | 394.2 | 440.6 | 504.1 | 586.7 | 683.6 |
| 127.5° | 308.1 | 311.3 | 318.6 | 331.2 | 351.2 | 379.7 | 414.8 | 457.3 | 512.7 | 584.5 | 669.2 |
| 130° | 318.6 | 322.7 | 330.6 | 345.8 | 365.0 | 394.2 | 428.5 | 467.8 | 519.2 | 583.7 | 660.4 |
| 132.5° | 329.0 | 332.2 | 342.7 | 357.1 | 377.9 | 405.5 | 439.8 | 478.3 | 524.8 | 582.9 | 652.3 |
| 135° | 343.8 | 347.8 | 357.9 | 375.1 | 396.2 | 422.4 | 455.7 | 492.0 | 533.3 | 581.7 | 640.2 |
| 137.5° | 358.5 | 362.3 | 373.4 | 389.7 | 411.7 | 436.8 | 467.8 | 501.7 | 538.4 | 581.5 | 629.7 |
| 140° | 369.0 | 372.0 | 383.1 | 400.2 | 421.4 | 445.7 | 475.8 | 508.1 | 542.4 | 580.7 | 624.1 |
| 142.5° | 380.3 | 383.3 | 393.5 | 409.9 | 430.3 | 453.6 | 483.1 | 512.9 | 545.6 | 580.7 | 619.2 |
| 145° | 396.2 | 399.2 | 409.3 | 423.4 | 442.6 | 464.7 | 491.0 | 518.2 | 547.4 | 578.7 | 611.0 |
| 147.5° | 414.1 | 415.2 | 424.0 | 438.6 | 454.4 | 474.4 | 499.1 | 522.8 | 548.5 | 575.0 | 603.5 |
| 150° | 425.5 | 426.5 | 434.5 | 446.7 | 461.7 | 480.9 | 503.1 | 525.2 | 548.5 | 572.6 | 597.8 |
| 152.5° | 436.0 | 436.2 | 444.2 | 455.4 | 469.0 | 486.6 | 506.3 | 526.8 | 546.8 | 568.6 | 591.4 |
| 155° | 450.6 | 451.6 | 457.7 | 467.8 | 478.9 | 494.0 | 511.1 | 528.3 | 544.4 | 562.6 | 581.7 |
| 157.5° | 464.9 | 464.9 | 470.6 | 478.5 | 488.2 | 500.1 | 514.5 | 528.3 | 541.8 | 556.3 | 571.8 |
| 160° | 473.8 | 473.8 | 477.9 | 484.9 | 493.0 | 504.1 | 516.1 | 528.3 | 539.4 | 551.5 | 564.6 |
| 162.5° | 481.9 | 481.1 | 484.3 | 490.6 | 497.9 | 506.5 | 517.8 | 528.3 | 536.9 | 546.6 | 558.2 |
| 165° | 491.0 | 491.0 | 493.0 | 498.1 | 503.1 | 509.1 | 518.2 | 526.2 | 532.3 | 539.4 | 547.4 |
| 167.5° | 500.1 | 499.1 | 500.1 | 503.9 | 506.8 | 511.3 | 518.0 | 523.8 | 527.5 | 532.1 | 537.8 |
| 170° | 504.1 | 503.1 | 504.1 | 507.2 | 509.1 | 512.1 | 517.2 | 522.2 | 524.2 | 527.3 | 531.3 |
| 172.5° | 508.1 | 507.2 | 507.3 | 509.5 | 510.7 | 512.9 | 516.3 | 520.6 | 521.0 | 522.4 | 525.6 |
| 175° | 512.1 | 511.1 | 511.1 | 512.1 | 513.1 | 513.1 | 515.1 | 518.2 | 517.2 | 517.2 | 519.2 |
| 177.5° | 513.9 | 513.1 | 512.3 | 513.1 | 513.1 | 513.1 | 513.9 | 515.5 | 513.9 | 513.9 | 514.7 |
| 180° | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 |



TEST NUMBER: P332948-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 |
| 2.5° | 1397.7 | 1399.7 | 1401.8 | 1402.8 | 1402.6 | 1402.4 | 1402.2 | 1402.0 |
| 5° | 1388.3 | 1390.7 | 1393.1 | 1394.0 | 1393.5 | 1393.1 | 1392.6 | 1392.1 |
| 7.5° | 1369.8 | 1371.4 | 1372.9 | 1373.2 | 1372.5 | 1371.7 | 1371.0 | 1370.2 |
| 10° | 1353.2 | 1354.1 | 1355.1 | 1355.1 | 1354.1 | 1353.2 | 1352.2 | 1351.3 |
| 12.5° | 1332.7 | 1333.2 | 1333.8 | 1333.4 | 1332.1 | 1330.8 | 1329.4 | 1328.1 |
| 15° | 1296.7 | 1296.2 | 1295.7 | 1294.6 | 1292.9 | 1291.2 | 1289.6 | 1287.9 |
| 17.5° | 1253.2 | 1251.9 | 1250.5 | 1248.6 | 1246.1 | 1243.5 | 1241.0 | 1238.5 |
| 20° | 1222.8 | 1220.9 | 1219.0 | 1216.6 | 1213.5 | 1210.3 | 1207.2 | 1204.2 |
| 22.5° | 1189.2 | 1186.3 | 1183.5 | 1180.7 | 1178.2 | 1175.7 | 1173.2 | 1170.6 |
| 25° | 1134.8 | 1130.7 | 1126.7 | 1123.5 | 1121.1 | 1118.7 | 1116.3 | 1113.9 |
| 27.5° | 1079.3 | 1074.4 | 1069.3 | 1065.1 | 1061.7 | 1058.2 | 1054.8 | 1051.4 |
| 30° | 1039.7 | 1033.7 | 1027.7 | 1022.8 | 1019.1 | 1015.2 | 1011.4 | 1007.5 |
| 32.5° | 999.1 | 992.2 | 985.2 | 980.0 | 976.3 | 972.7 | 969.1 | 965.4 |
| 35° | 938.7 | 930.6 | 922.5 | 916.3 | 912.0 | 907.7 | 903.3 | 899.1 |
| 37.5° | 873.8 | 864.7 | 855.7 | 849.0 | 844.8 | 840.4 | 836.2 | 831.8 |
| 40° | 830.7 | 820.6 | 810.6 | 803.4 | 799.2 | 794.9 | 790.6 | 786.3 |
| 42.5° | 788.2 | 778.0 | 767.8 | 760.4 | 755.9 | 751.4 | 747.0 | 742.5 |
| 45° | 723.2 | 711.4 | 699.7 | 691.8 | 687.4 | 683.2 | 678.8 | 674.6 |
| 47.5° | 657.6 | 645.5 | 633.4 | 624.9 | 620.3 | 615.5 | 610.8 | 606.0 |
| 50° | 614.2 | 602.3 | 590.3 | 582.1 | 577.5 | 573.0 | 568.5 | 563.9 |
| 52.5° | 570.9 | 558.8 | 546.5 | 538.2 | 533.4 | 528.7 | 524.0 | 519.3 |
| 55° | 506.9 | 494.4 | 482.1 | 473.6 | 469.1 | 464.5 | 460.0 | 455.4 |
| 57.5° | 444.4 | 431.8 | 419.2 | 411.2 | 407.8 | 404.3 | 400.9 | 397.5 |
| 60° | 402.7 | 390.3 | 377.9 | 369.7 | 366.0 | 362.1 | 358.3 | 354.5 |
| 62.5° | 361.6 | 350.2 | 338.7 | 331.4 | 328.4 | 325.4 | 322.2 | 319.2 |
| 65° | 302.8 | 292.6 | 282.3 | 275.7 | 272.9 | 269.9 | 267.1 | 264.3 |
| 67.5° | 248.7 | 239.9 | 231.1 | 225.1 | 222.0 | 218.7 | 215.6 | 212.5 |
| 70° | 212.0 | 204.1 | 196.2 | 191.1 | 188.7 | 186.3 | 183.9 | 181.6 |
| 72.5° | 179.0 | 172.3 | 165.5 | 161.1 | 159.0 | 156.7 | 154.5 | 152.3 |
| 75° | 131.9 | 126.4 | 120.9 | 117.4 | 116.0 | 114.6 | 113.1 | 111.7 |
| 77.5° | 93.3 | 90.1 | 86.8 | 85.0 | 84.6 | 84.2 | 83.8 | 83.3 |
| 80° | 71.6 | 70.9 | 70.2 | 69.7 | 69.5 | 69.2 | 69.0 | 68.8 |
| 82.5° | 55.6 | 55.1 | 54.6 | 54.2 | 54.0 | 53.7 | 53.5 | 53.3 |
| 85° | 32.3 | 31.9 | 31.4 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| 87.5° | 15.2 | 15.2 | 15.2 | 15.2 | 15.7 | 16.1 | 16.1 | 16.3 |
| 90° | 18.2 | 19.2 | 20.2 | 20.2 | 21.2 | 22.2 | 21.2 | 21.2 |
| 92.5° | 198.0 | 149.1 | 118.6 | 98.4 | 86.5 | 81.1 | 77.7 | 77.7 |
| 95° | 747.0 | 590.8 | 455.7 | 357.9 | 308.5 | 277.2 | 259.1 | 246.0 |
| 97.5° | 1103.8 | 1045.6 | 947.1 | 841.8 | 769.4 | 708.7 | 678.5 | 657.5 |
| 100° | 1215.9 | 1236.0 | 1186.6 | 1112.0 | 1024.3 | 962.8 | 932.5 | 924.5 |
| 102.5° | 1210.2 | 1310.2 | 1324.5 | 1293.4 | 1239.6 | 1195.1 | 1163.3 | 1156.8 |
| 105° | 1129.1 | 1303.5 | 1403.3 | 1444.7 | 1446.7 | 1438.7 | 1424.5 | 1418.5 |
| 107.5° | 1014.0 | 1199.7 | 1340.3 | 1430.2 | 1480.0 | 1503.0 | 1513.1 | 1515.7 |
| 110° | 944.6 | 1119.0 | 1265.3 | 1376.1 | 1447.7 | 1490.1 | 1508.2 | 1517.3 |



TEST NUMBER: P332948-840

CATALOG NUMBER: SA4XXRDIP-C795D1035U840-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 893.8 | 1048.0 | 1186.2 | 1297.1 | 1378.4 | 1429.6 | 1455.0 | 1469.7 |
| 115° | 842.8 | 966.8 | 1084.8 | 1181.5 | 1261.2 | 1321.7 | 1353.9 | 1362.0 |
| 117.5° | 817.8 | 920.5 | 1013.2 | 1095.3 | 1163.3 | 1214.1 | 1246.7 | 1252.9 |
| 120° | 806.5 | 900.3 | 981.0 | 1052.5 | 1109.9 | 1154.4 | 1180.5 | 1191.6 |
| 122.5° | 796.9 | 887.4 | 960.8 | 1023.5 | 1072.1 | 1109.9 | 1132.2 | 1143.3 |
| 125° | 780.3 | 867.0 | 936.5 | 992.0 | 1032.4 | 1061.6 | 1080.8 | 1086.8 |
| 127.5° | 760.1 | 843.0 | 912.4 | 965.0 | 1005.5 | 1031.6 | 1047.6 | 1053.7 |
| 130° | 744.1 | 823.6 | 892.2 | 945.6 | 986.9 | 1012.2 | 1028.3 | 1034.4 |
| 132.5° | 727.1 | 801.9 | 868.8 | 922.3 | 962.8 | 991.2 | 1006.5 | 1012.6 |
| 135° | 703.7 | 769.2 | 830.7 | 881.1 | 921.5 | 949.7 | 965.8 | 971.9 |
| 137.5° | 682.6 | 738.0 | 789.8 | 835.4 | 873.0 | 900.9 | 914.2 | 921.5 |
| 140° | 670.4 | 717.8 | 763.2 | 805.5 | 840.8 | 863.0 | 877.1 | 885.1 |
| 142.5° | 659.1 | 700.8 | 739.8 | 776.5 | 807.7 | 828.3 | 840.8 | 846.5 |
| 145° | 643.2 | 677.5 | 707.7 | 736.0 | 761.1 | 778.3 | 788.4 | 793.5 |
| 147.5° | 630.1 | 657.3 | 681.6 | 703.7 | 722.3 | 737.0 | 744.7 | 746.4 |
| 150° | 622.1 | 645.2 | 665.4 | 683.6 | 699.6 | 712.8 | 718.8 | 719.8 |
| 152.5° | 613.2 | 633.1 | 651.7 | 666.6 | 680.3 | 690.9 | 694.6 | 695.6 |
| 155° | 599.9 | 616.0 | 631.1 | 643.2 | 653.3 | 661.4 | 664.4 | 664.4 |
| 157.5° | 585.5 | 599.1 | 611.8 | 621.5 | 629.0 | 635.1 | 636.9 | 636.9 |
| 160° | 576.6 | 587.7 | 598.8 | 606.9 | 613.0 | 619.0 | 620.1 | 620.1 |
| 162.5° | 567.7 | 577.2 | 585.9 | 593.2 | 597.6 | 603.7 | 604.7 | 603.9 |
| 165° | 555.5 | 561.6 | 568.6 | 573.6 | 577.6 | 581.7 | 580.7 | 579.7 |
| 167.5° | 543.6 | 548.3 | 553.9 | 556.9 | 559.0 | 561.6 | 561.4 | 560.6 |
| 170° | 536.3 | 539.4 | 543.4 | 546.4 | 548.5 | 549.5 | 548.5 | 548.5 |
| 172.5° | 529.9 | 532.1 | 534.5 | 536.7 | 538.0 | 539.0 | 538.0 | 536.3 |
| 175° | 521.2 | 522.2 | 524.2 | 524.2 | 524.2 | 526.2 | 524.2 | 522.2 |
| 177.5° | 515.5 | 516.3 | 516.3 | 517.2 | 516.3 | 517.2 | 515.5 | 513.9 |
| 180° | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 |

(END OF REPORT)