

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: P332892-830

Luminaire Tested: **S124RDIP-S350D1205U830-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332892-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S350D1205U830-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5879.8 lumens
Efficiency: N/A
Efficacy: 139.3 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: Semi-Indirect

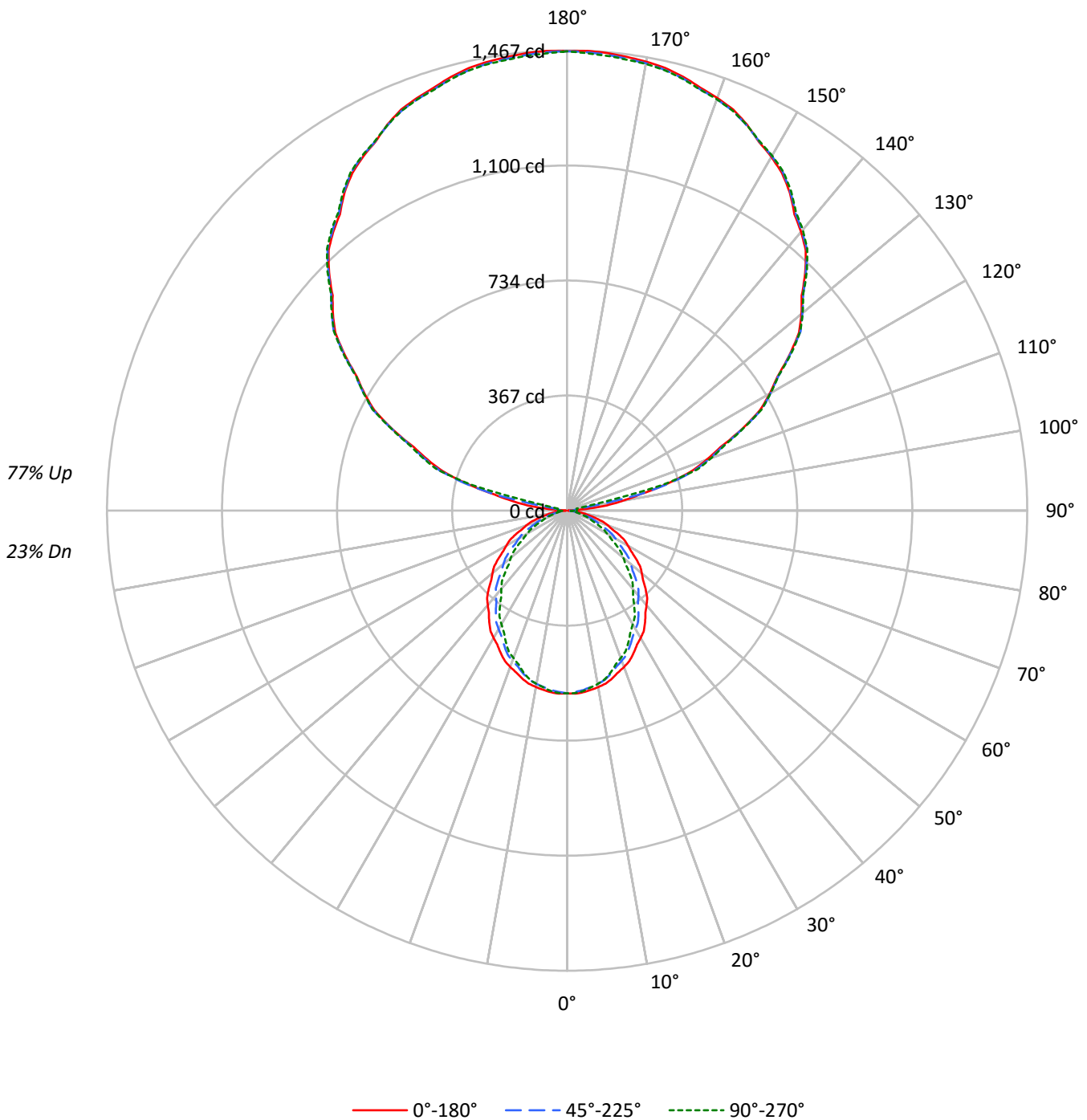
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332892-830

CATALOG NUMBER: S124RDIP-S350D1205U830-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332892-830

CATALOG NUMBER: S124RDIP-S350D1205U830-4F0-1E-UDD-F

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 | 101 | 101 | 101 | 101 | 89 | 89 | 89 | 89 | 68 | 68 | 68 | 49 | 49 | 49 | 31 | 31 | 31 | 23 |
| 1 | 92 | 88 | 84 | 81 | 81 | 78 | 75 | 72 | 60 | 58 | 56 | 43 | 42 | 41 | 28 | 27 | 27 | 20 |
| 2 | 84 | 77 | 71 | 66 | 74 | 68 | 63 | 59 | 53 | 49 | 47 | 38 | 36 | 34 | 25 | 23 | 23 | 17 |
| 3 | 76 | 67 | 61 | 55 | 68 | 60 | 54 | 50 | 46 | 42 | 39 | 34 | 31 | 29 | 22 | 20 | 19 | 14 |
| 4 | 70 | 60 | 52 | 46 | 62 | 53 | 47 | 42 | 41 | 37 | 33 | 30 | 27 | 25 | 20 | 18 | 17 | 12 |
| 5 | 64 | 53 | 45 | 40 | 57 | 47 | 41 | 36 | 37 | 32 | 29 | 27 | 24 | 22 | 18 | 16 | 15 | 11 |
| 6 | 59 | 47 | 40 | 34 | 52 | 42 | 36 | 31 | 33 | 28 | 25 | 24 | 21 | 19 | 16 | 14 | 13 | 9 |
| 7 | 54 | 43 | 35 | 30 | 48 | 38 | 32 | 27 | 30 | 25 | 22 | 22 | 19 | 17 | 15 | 13 | 11 | 8 |
| 8 | 50 | 39 | 31 | 26 | 44 | 35 | 28 | 24 | 27 | 22 | 19 | 20 | 17 | 15 | 13 | 12 | 10 | 8 |
| 9 | 47 | 35 | 28 | 23 | 41 | 31 | 25 | 21 | 25 | 20 | 17 | 18 | 15 | 13 | 12 | 11 | 9 | 7 |
| 10 | 43 | 32 | 25 | 21 | 39 | 29 | 23 | 19 | 23 | 18 | 15 | 17 | 14 | 12 | 11 | 10 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4704 | 4704 | 4704 |
| 5° | 4714 | 4657 | 4686 |
| 10° | 4685 | 4601 | 4601 |
| 15° | 4631 | 4504 | 4471 |
| 20° | 4558 | 4376 | 4296 |
| 25° | 4464 | 4228 | 4121 |
| 30° | 4371 | 4072 | 3901 |
| 35° | 4269 | 3909 | 3680 |
| 40° | 4147 | 3724 | 3442 |
| 45° | 4035 | 3540 | 3199 |
| 50° | 3905 | 3328 | 2941 |
| 55° | 3768 | 3108 | 2663 |
| 60° | 3615 | 2868 | 2377 |
| 65° | 3477 | 2565 | 2096 |
| 70° | 3274 | 2231 | 1780 |
| 75° | 3019 | 1853 | 1447 |
| 80° | 2631 | 1409 | 1330 |
| 85° | 2232 | 1288 | 1195 |



TEST NUMBER: P332892-830

CATALOG NUMBER: S124RDIP-S350D1205U830-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.7 | 0.9 |
| 10°-20° | 152.6 | 2.6 |
| 20°-30° | 220.4 | 3.7 |
| 30°-40° | 249.8 | 4.2 |
| 40°-50° | 241.2 | 4.1 |
| 50°-60° | 200.6 | 3.4 |
| 60°-70° | 138.5 | 2.4 |
| 70°-80° | 70.2 | 1.2 |
| 80°-90° | 22.2 | 0.4 |
| 90°-100° | 50.1 | 0.9 |
| 100°-110° | 319.3 | 5.4 |
| 110°-120° | 610.8 | 10.4 |
| 120°-130° | 775.4 | 13.2 |
| 130°-140° | 829.7 | 14.1 |
| 140°-150° | 775.8 | 13.2 |
| 150°-160° | 625.7 | 10.6 |
| 160°-170° | 403.5 | 6.9 |
| 170°-180° | 139.1 | 2.4 |
| 0°-30° | 427.8 | 7.3 |
| 0°-40° | 677.6 | 11.5 |
| 0°-60° | 1119.4 | 19.0 |
| 0°-90° | 1350.4 | 23.0 |
| 90°-120° | 980.2 | 16.7 |
| 90°-150° | 3361.2 | 57.2 |
| 90°-180° | 4529.0 | 77.0 |
| 0°-180° | 5879.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 583 | 583 | 583 | 583 | 583 | |
| 5° | 582 | 580 | 575 | 579 | 578 | 55 |
| 15° | 554 | 550 | 539 | 538 | 535 | 156 |
| 25° | 501 | 492 | 475 | 467 | 463 | 231 |
| 35° | 433 | 418 | 397 | 382 | 373 | 271 |
| 45° | 353 | 336 | 310 | 289 | 280 | 272 |
| 55° | 268 | 249 | 221 | 198 | 189 | 239 |
| 65° | 182 | 162 | 134 | 116 | 110 | 180 |
| 75° | 97 | 80 | 59 | 50 | 46 | 102 |
| 85° | 24 | 16 | 14 | 13 | 13 | 27 |
| 90° | 3 | 15 | 24 | 30 | 33 | 4 |
| 95° | 60 | 25 | 24 | 30 | 32 | 77 |
| 105° | 330 | 336 | 342 | 349 | 312 | 345 |
| 115° | 616 | 619 | 618 | 620 | 620 | 605 |
| 125° | 865 | 869 | 867 | 871 | 872 | 772 |
| 135° | 1073 | 1072 | 1077 | 1079 | 1081 | 827 |
| 145° | 1238 | 1241 | 1241 | 1242 | 1244 | 773 |
| 155° | 1357 | 1358 | 1355 | 1359 | 1356 | 625 |
| 165° | 1431 | 1426 | 1426 | 1434 | 1425 | 404 |
| 175° | 1464 | 1458 | 1459 | 1467 | 1456 | 139 |
| 180° | 1464 | 1464 | 1464 | 1464 | 1464 | |



TEST NUMBER: P332892-830

CATALOG NUMBER: S124RDIP-S350D1205U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 |
| 2.5° | 584.1 | 583.7 | 583.4 | 583.2 | 582.8 | 582.2 | 581.4 | 580.5 | 579.6 | 578.7 | 579.6 |
| 5° | 581.7 | 581.4 | 581.0 | 580.6 | 580.1 | 579.4 | 578.2 | 577.0 | 575.8 | 574.7 | 575.6 |
| 7.5° | 576.5 | 576.1 | 575.7 | 575.2 | 574.9 | 573.8 | 572.3 | 570.7 | 569.2 | 567.7 | 568.3 |
| 10° | 571.5 | 571.0 | 570.5 | 570.0 | 569.5 | 568.4 | 566.6 | 564.8 | 563.0 | 561.3 | 561.7 |
| 12.5° | 565.1 | 564.5 | 563.9 | 563.4 | 562.8 | 561.5 | 559.3 | 557.2 | 555.2 | 553.0 | 553.3 |
| 15° | 554.1 | 553.2 | 552.3 | 551.4 | 550.5 | 548.8 | 546.4 | 543.8 | 541.4 | 538.9 | 538.8 |
| 17.5° | 540.8 | 539.5 | 538.2 | 537.0 | 535.6 | 533.5 | 530.6 | 527.5 | 524.6 | 521.6 | 521.0 |
| 20° | 530.5 | 529.1 | 527.9 | 526.6 | 525.3 | 523.0 | 519.6 | 516.2 | 512.8 | 509.4 | 508.7 |
| 22.5° | 519.1 | 517.6 | 516.1 | 514.7 | 513.2 | 510.7 | 507.1 | 503.5 | 499.9 | 496.2 | 495.1 |
| 25° | 501.1 | 499.3 | 497.5 | 495.7 | 493.9 | 491.0 | 486.9 | 482.9 | 478.7 | 474.7 | 473.0 |
| 27.5° | 482.1 | 479.8 | 477.6 | 475.4 | 473.2 | 469.9 | 465.5 | 461.2 | 456.9 | 452.5 | 450.3 |
| 30° | 468.9 | 466.4 | 463.9 | 461.5 | 459.0 | 455.4 | 450.7 | 446.1 | 441.4 | 436.8 | 434.3 |
| 32.5° | 455.0 | 452.1 | 449.4 | 446.6 | 443.7 | 440.0 | 435.2 | 430.4 | 425.6 | 420.8 | 417.8 |
| 35° | 433.2 | 430.0 | 426.9 | 423.7 | 420.5 | 416.4 | 411.5 | 406.5 | 401.6 | 396.6 | 393.2 |
| 37.5° | 409.9 | 406.6 | 403.4 | 400.1 | 396.8 | 392.5 | 386.9 | 381.4 | 376.0 | 370.5 | 366.7 |
| 40° | 393.5 | 390.2 | 386.9 | 383.7 | 380.4 | 376.0 | 370.3 | 364.7 | 359.0 | 353.4 | 349.2 |
| 42.5° | 377.8 | 374.4 | 370.9 | 367.5 | 364.1 | 359.4 | 353.5 | 347.6 | 341.8 | 335.8 | 331.6 |
| 45° | 353.4 | 349.7 | 346.0 | 342.3 | 338.7 | 333.8 | 327.9 | 322.0 | 316.0 | 310.1 | 305.2 |
| 47.5° | 328.1 | 324.3 | 320.6 | 316.7 | 312.9 | 307.9 | 301.8 | 295.6 | 289.4 | 283.2 | 278.1 |
| 50° | 310.9 | 307.1 | 303.2 | 299.4 | 295.5 | 290.4 | 284.1 | 277.7 | 271.4 | 265.0 | 260.0 |
| 52.5° | 293.5 | 289.6 | 285.9 | 282.1 | 278.3 | 273.1 | 266.6 | 260.1 | 253.6 | 247.1 | 242.1 |
| 55° | 267.7 | 263.7 | 259.8 | 255.8 | 251.8 | 246.6 | 240.2 | 233.8 | 227.2 | 220.8 | 215.7 |
| 57.5° | 242.1 | 238.0 | 233.9 | 229.8 | 225.6 | 220.5 | 214.1 | 207.7 | 201.4 | 195.0 | 189.8 |
| 60° | 223.9 | 220.0 | 216.0 | 212.1 | 208.1 | 202.9 | 196.6 | 190.2 | 183.9 | 177.6 | 172.4 |
| 62.5° | 207.5 | 203.4 | 199.3 | 195.2 | 191.1 | 185.8 | 179.3 | 172.8 | 166.3 | 159.8 | 155.0 |
| 65° | 182.0 | 177.8 | 173.5 | 169.3 | 164.9 | 159.7 | 153.4 | 146.9 | 140.6 | 134.3 | 130.1 |
| 67.5° | 155.5 | 151.5 | 147.3 | 143.3 | 139.2 | 134.2 | 128.3 | 122.4 | 116.5 | 110.7 | 107.0 |
| 70° | 138.7 | 134.6 | 130.4 | 126.3 | 122.1 | 117.2 | 111.5 | 105.8 | 100.2 | 94.5 | 91.3 |
| 72.5° | 120.9 | 117.2 | 113.4 | 109.6 | 105.8 | 101.3 | 96.0 | 90.6 | 85.3 | 79.9 | 77.2 |
| 75° | 96.8 | 93.1 | 89.4 | 85.8 | 82.1 | 77.9 | 73.3 | 68.6 | 64.0 | 59.4 | 57.0 |
| 77.5° | 72.4 | 69.3 | 66.2 | 63.1 | 59.9 | 56.5 | 52.7 | 48.9 | 45.1 | 41.4 | 40.1 |
| 80° | 56.6 | 53.8 | 50.9 | 48.1 | 45.1 | 42.2 | 39.3 | 36.3 | 33.3 | 30.3 | 30.1 |
| 82.5° | 43.1 | 40.4 | 37.8 | 35.2 | 32.5 | 30.3 | 28.7 | 27.0 | 25.3 | 23.6 | 23.4 |
| 85° | 24.1 | 22.1 | 20.2 | 18.1 | 16.1 | 15.0 | 14.7 | 14.4 | 14.1 | 13.9 | 13.7 |
| 87.5° | 8.9 | 8.8 | 8.7 | 8.6 | 8.5 | 8.6 | 8.9 | 9.2 | 9.5 | 9.8 | 10.0 |
| 90° | 3.3 | 5.9 | 8.7 | 11.3 | 13.9 | 16.3 | 18.3 | 20.2 | 22.1 | 24.1 | 25.5 |
| 92.5° | 13.8 | 13.9 | 14.1 | 14.2 | 14.4 | 15.5 | 17.3 | 19.3 | 21.3 | 23.2 | 24.7 |
| 95° | 60.2 | 51.9 | 43.6 | 35.4 | 27.1 | 23.1 | 23.4 | 23.6 | 23.8 | 24.1 | 25.5 |
| 97.5° | 127.9 | 133.1 | 138.3 | 143.4 | 148.5 | 137.5 | 110.4 | 83.2 | 56.1 | 28.9 | 29.0 |
| 100° | 179.6 | 184.0 | 188.4 | 192.7 | 197.2 | 182.6 | 148.9 | 115.4 | 81.8 | 48.2 | 44.0 |
| 102.5° | 237.4 | 240.6 | 243.8 | 247.0 | 250.2 | 249.7 | 245.3 | 240.9 | 236.6 | 232.1 | 187.6 |
| 105° | 329.6 | 331.1 | 332.5 | 334.0 | 335.5 | 336.9 | 338.1 | 339.2 | 340.4 | 341.7 | 343.9 |
| 107.5° | 415.3 | 416.0 | 416.8 | 417.5 | 418.2 | 419.4 | 421.0 | 422.7 | 424.3 | 426.0 | 427.1 |
| 110° | 473.2 | 473.8 | 474.6 | 475.3 | 476.1 | 477.1 | 478.6 | 480.0 | 481.5 | 483.0 | 483.4 |



TEST NUMBER: P332892-830

CATALOG NUMBER: S124RDIP-S350D1205U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 529.2 | 530.6 | 531.8 | 533.1 | 534.4 | 535.5 | 536.1 | 536.8 | 537.5 | 538.2 | 538.1 |
| 115° | 615.5 | 616.2 | 617.0 | 617.6 | 618.4 | 618.7 | 618.4 | 618.2 | 617.9 | 617.6 | 618.2 |
| 117.5° | 693.2 | 694.2 | 695.2 | 696.2 | 697.1 | 697.9 | 698.4 | 699.0 | 699.6 | 700.0 | 699.9 |
| 120° | 745.8 | 746.8 | 747.8 | 748.8 | 749.7 | 750.1 | 749.9 | 749.6 | 749.3 | 749.1 | 749.6 |
| 122.5° | 794.8 | 795.5 | 796.1 | 796.6 | 797.2 | 797.7 | 798.1 | 798.3 | 798.7 | 799.1 | 799.4 |
| 125° | 865.2 | 866.2 | 867.1 | 868.1 | 869.1 | 869.3 | 868.8 | 868.4 | 867.9 | 867.4 | 868.1 |
| 127.5° | 931.8 | 932.0 | 932.3 | 932.6 | 932.7 | 933.4 | 934.5 | 935.7 | 936.8 | 937.9 | 937.7 |
| 130° | 974.7 | 975.0 | 975.2 | 975.4 | 975.7 | 976.2 | 976.9 | 977.6 | 978.4 | 979.1 | 979.3 |
| 132.5° | 1014.2 | 1014.6 | 1015.0 | 1015.5 | 1015.9 | 1016.6 | 1017.5 | 1018.4 | 1019.4 | 1020.3 | 1020.5 |
| 135° | 1073.3 | 1073.1 | 1072.8 | 1072.5 | 1072.3 | 1072.7 | 1073.7 | 1074.6 | 1075.6 | 1076.6 | 1077.0 |
| 137.5° | 1125.7 | 1125.8 | 1125.9 | 1126.0 | 1126.1 | 1126.6 | 1127.7 | 1128.8 | 1129.8 | 1130.9 | 1131.4 |
| 140° | 1159.8 | 1160.3 | 1160.7 | 1161.3 | 1161.8 | 1162.2 | 1162.7 | 1163.2 | 1163.7 | 1164.2 | 1164.9 |
| 142.5° | 1190.4 | 1191.4 | 1192.2 | 1193.1 | 1194.0 | 1194.6 | 1194.9 | 1195.1 | 1195.4 | 1195.7 | 1196.3 |
| 145° | 1237.6 | 1238.3 | 1239.1 | 1239.7 | 1240.5 | 1240.9 | 1240.9 | 1240.9 | 1240.9 | 1240.9 | 1241.1 |
| 147.5° | 1275.0 | 1276.4 | 1277.7 | 1279.1 | 1280.4 | 1281.0 | 1280.8 | 1280.5 | 1280.3 | 1280.1 | 1280.3 |
| 150° | 1302.2 | 1303.2 | 1304.1 | 1305.1 | 1306.1 | 1306.5 | 1306.2 | 1306.0 | 1305.7 | 1305.4 | 1305.4 |
| 152.5° | 1324.9 | 1325.8 | 1326.5 | 1327.3 | 1328.0 | 1328.2 | 1327.9 | 1327.4 | 1326.9 | 1326.5 | 1326.9 |
| 155° | 1357.0 | 1357.2 | 1357.4 | 1357.6 | 1357.9 | 1357.6 | 1357.0 | 1356.2 | 1355.5 | 1354.7 | 1355.8 |
| 157.5° | 1383.8 | 1383.7 | 1383.6 | 1383.5 | 1383.3 | 1382.8 | 1382.0 | 1381.2 | 1380.4 | 1379.5 | 1380.7 |
| 160° | 1399.7 | 1398.9 | 1398.2 | 1397.5 | 1396.8 | 1396.3 | 1396.0 | 1395.7 | 1395.5 | 1395.2 | 1396.8 |
| 162.5° | 1413.6 | 1412.8 | 1411.8 | 1410.9 | 1409.9 | 1409.4 | 1409.1 | 1408.9 | 1408.6 | 1408.4 | 1409.9 |
| 165° | 1431.4 | 1430.2 | 1429.0 | 1427.8 | 1426.5 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1426.0 | 1427.9 |
| 167.5° | 1445.4 | 1444.2 | 1442.9 | 1441.6 | 1440.4 | 1439.6 | 1439.5 | 1439.4 | 1439.3 | 1439.1 | 1441.2 |
| 170° | 1453.3 | 1451.9 | 1450.4 | 1449.0 | 1447.5 | 1446.9 | 1447.1 | 1447.4 | 1447.6 | 1447.8 | 1449.8 |
| 172.5° | 1458.6 | 1457.1 | 1455.7 | 1454.2 | 1452.7 | 1452.1 | 1452.4 | 1452.6 | 1452.8 | 1453.1 | 1455.0 |
| 175° | 1464.2 | 1462.8 | 1461.3 | 1459.9 | 1458.4 | 1457.8 | 1458.0 | 1458.3 | 1458.6 | 1458.8 | 1460.9 |
| 177.5° | 1466.9 | 1465.6 | 1464.1 | 1462.8 | 1461.4 | 1460.9 | 1461.3 | 1461.7 | 1462.2 | 1462.5 | 1464.1 |
| 180° | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 |



TEST NUMBER: P332892-830

CATALOG NUMBER: S124RDIP-S350D1205U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 | 582.7 |
| 2.5° | 580.5 | 581.4 | 582.2 | 582.6 | 582.5 | 582.5 | 582.4 | 582.3 |
| 5° | 576.6 | 577.6 | 578.6 | 579.0 | 578.8 | 578.6 | 578.3 | 578.2 |
| 7.5° | 568.9 | 569.6 | 570.2 | 570.3 | 570.0 | 569.8 | 569.4 | 569.1 |
| 10° | 562.0 | 562.4 | 562.8 | 562.8 | 562.4 | 562.0 | 561.7 | 561.3 |
| 12.5° | 553.5 | 553.7 | 554.0 | 553.8 | 553.3 | 552.7 | 552.1 | 551.6 |
| 15° | 538.6 | 538.4 | 538.1 | 537.7 | 537.0 | 536.3 | 535.6 | 534.9 |
| 17.5° | 520.5 | 520.0 | 519.4 | 518.6 | 517.6 | 516.5 | 515.5 | 514.4 |
| 20° | 507.9 | 507.1 | 506.3 | 505.3 | 504.0 | 502.7 | 501.4 | 500.1 |
| 22.5° | 493.9 | 492.7 | 491.5 | 490.4 | 489.4 | 488.3 | 487.3 | 486.2 |
| 25° | 471.3 | 469.7 | 468.0 | 466.7 | 465.6 | 464.6 | 463.6 | 462.6 |
| 27.5° | 448.3 | 446.2 | 444.1 | 442.4 | 440.9 | 439.5 | 438.1 | 436.7 |
| 30° | 431.8 | 429.3 | 426.9 | 424.8 | 423.2 | 421.7 | 420.1 | 418.5 |
| 32.5° | 415.0 | 412.1 | 409.3 | 407.0 | 405.5 | 404.0 | 402.5 | 401.0 |
| 35° | 389.8 | 386.5 | 383.1 | 380.6 | 378.8 | 377.0 | 375.2 | 373.4 |
| 37.5° | 363.0 | 359.2 | 355.4 | 352.6 | 350.8 | 349.0 | 347.2 | 345.4 |
| 40° | 345.0 | 340.8 | 336.7 | 333.8 | 332.0 | 330.2 | 328.4 | 326.6 |
| 42.5° | 327.3 | 323.1 | 318.9 | 315.8 | 314.0 | 312.1 | 310.2 | 308.4 |
| 45° | 300.4 | 295.5 | 290.6 | 287.3 | 285.5 | 283.7 | 281.9 | 280.2 |
| 47.5° | 273.1 | 268.1 | 263.1 | 259.6 | 257.6 | 255.6 | 253.6 | 251.8 |
| 50° | 255.1 | 250.2 | 245.2 | 241.8 | 239.9 | 238.0 | 236.1 | 234.2 |
| 52.5° | 237.0 | 232.1 | 227.1 | 223.5 | 221.6 | 219.6 | 217.6 | 215.7 |
| 55° | 210.6 | 205.4 | 200.2 | 196.7 | 194.8 | 192.9 | 191.1 | 189.2 |
| 57.5° | 184.5 | 179.4 | 174.1 | 170.8 | 169.4 | 168.0 | 166.5 | 165.0 |
| 60° | 167.2 | 162.1 | 156.9 | 153.5 | 151.9 | 150.4 | 148.8 | 147.2 |
| 62.5° | 150.2 | 145.4 | 140.7 | 137.7 | 136.4 | 135.2 | 133.8 | 132.6 |
| 65° | 125.7 | 121.5 | 117.3 | 114.5 | 113.3 | 112.2 | 110.9 | 109.7 |
| 67.5° | 103.3 | 99.6 | 96.0 | 93.5 | 92.2 | 90.9 | 89.5 | 88.2 |
| 70° | 88.0 | 84.7 | 81.5 | 79.4 | 78.3 | 77.4 | 76.3 | 75.4 |
| 72.5° | 74.4 | 71.5 | 68.8 | 66.9 | 66.0 | 65.1 | 64.2 | 63.2 |
| 75° | 54.8 | 52.5 | 50.2 | 48.8 | 48.2 | 47.6 | 47.0 | 46.4 |
| 77.5° | 38.7 | 37.4 | 36.1 | 35.3 | 35.2 | 35.0 | 34.8 | 34.6 |
| 80° | 29.8 | 29.4 | 29.1 | 28.9 | 28.8 | 28.7 | 28.7 | 28.6 |
| 82.5° | 23.1 | 22.9 | 22.7 | 22.5 | 22.4 | 22.3 | 22.2 | 22.1 |
| 85° | 13.5 | 13.2 | 13.0 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 |
| 87.5° | 10.3 | 10.5 | 10.7 | 10.8 | 11.0 | 11.2 | 11.4 | 11.6 |
| 90° | 27.1 | 28.5 | 30.0 | 30.9 | 31.4 | 31.9 | 32.3 | 32.9 |
| 92.5° | 26.1 | 27.6 | 29.0 | 29.9 | 30.0 | 30.1 | 30.2 | 30.3 |
| 95° | 27.1 | 28.5 | 30.0 | 30.8 | 31.0 | 31.3 | 31.5 | 31.8 |
| 97.5° | 29.2 | 29.3 | 29.5 | 29.7 | 30.0 | 30.2 | 30.4 | 30.6 |
| 100° | 39.9 | 35.8 | 31.7 | 29.7 | 30.0 | 30.2 | 30.4 | 30.6 |
| 102.5° | 142.9 | 98.3 | 53.6 | 31.4 | 31.4 | 31.5 | 31.5 | 31.6 |
| 105° | 346.1 | 348.3 | 350.4 | 347.1 | 338.4 | 329.6 | 320.9 | 312.2 |
| 107.5° | 428.2 | 429.2 | 430.3 | 431.3 | 432.3 | 433.2 | 434.0 | 435.0 |
| 110° | 484.0 | 484.5 | 484.9 | 485.5 | 486.3 | 487.0 | 487.8 | 488.4 |



TEST NUMBER: P332892-830

CATALOG NUMBER: S124RDIP-S350D1205U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 538.0 | 537.9 | 537.8 | 538.2 | 539.1 | 540.1 | 541.0 | 541.9 |
| 115° | 618.7 | 619.2 | 619.6 | 619.9 | 619.9 | 619.9 | 619.9 | 619.9 |
| 117.5° | 699.8 | 699.7 | 699.6 | 699.6 | 699.5 | 699.4 | 699.3 | 699.2 |
| 120° | 750.1 | 750.5 | 751.0 | 751.0 | 750.5 | 750.1 | 749.6 | 749.1 |
| 122.5° | 799.7 | 799.9 | 800.2 | 800.1 | 799.7 | 799.2 | 798.6 | 798.1 |
| 125° | 868.8 | 869.6 | 870.3 | 870.8 | 871.0 | 871.3 | 871.6 | 871.8 |
| 127.5° | 937.6 | 937.5 | 937.4 | 937.2 | 937.0 | 936.8 | 936.6 | 936.4 |
| 130° | 979.6 | 979.9 | 980.1 | 980.1 | 980.1 | 980.1 | 980.1 | 980.1 |
| 132.5° | 1020.8 | 1021.1 | 1021.2 | 1021.2 | 1021.1 | 1020.9 | 1020.7 | 1020.5 |
| 135° | 1077.5 | 1078.0 | 1078.6 | 1079.0 | 1079.5 | 1080.0 | 1080.4 | 1080.9 |
| 137.5° | 1132.0 | 1132.5 | 1133.0 | 1133.2 | 1133.1 | 1132.9 | 1132.7 | 1132.7 |
| 140° | 1165.6 | 1166.4 | 1167.2 | 1167.6 | 1167.8 | 1168.1 | 1168.3 | 1168.6 |
| 142.5° | 1196.8 | 1197.3 | 1197.9 | 1198.2 | 1198.3 | 1198.3 | 1198.3 | 1198.3 |
| 145° | 1241.3 | 1241.6 | 1241.8 | 1242.2 | 1242.6 | 1243.1 | 1243.7 | 1244.2 |
| 147.5° | 1280.4 | 1280.6 | 1280.8 | 1281.0 | 1281.3 | 1281.6 | 1281.8 | 1282.0 |
| 150° | 1305.4 | 1305.4 | 1305.4 | 1305.6 | 1305.8 | 1306.1 | 1306.4 | 1306.6 |
| 152.5° | 1327.3 | 1327.7 | 1328.0 | 1328.1 | 1328.0 | 1327.9 | 1327.8 | 1327.6 |
| 155° | 1356.7 | 1357.6 | 1358.7 | 1358.8 | 1358.0 | 1357.3 | 1356.6 | 1355.8 |
| 157.5° | 1382.1 | 1383.3 | 1384.6 | 1384.6 | 1383.3 | 1382.1 | 1380.7 | 1379.5 |
| 160° | 1398.2 | 1399.7 | 1401.1 | 1401.1 | 1399.7 | 1398.2 | 1396.8 | 1395.2 |
| 162.5° | 1411.4 | 1412.8 | 1414.3 | 1414.2 | 1412.5 | 1410.9 | 1409.2 | 1407.5 |
| 165° | 1429.8 | 1431.8 | 1433.7 | 1433.6 | 1431.4 | 1429.2 | 1427.0 | 1424.8 |
| 167.5° | 1443.4 | 1445.5 | 1447.7 | 1447.5 | 1445.1 | 1442.7 | 1440.2 | 1437.8 |
| 170° | 1451.7 | 1453.7 | 1455.7 | 1455.4 | 1452.9 | 1450.5 | 1448.1 | 1445.7 |
| 172.5° | 1457.0 | 1459.0 | 1460.8 | 1460.6 | 1457.9 | 1455.3 | 1452.6 | 1450.0 |
| 175° | 1463.2 | 1465.4 | 1467.5 | 1467.2 | 1464.2 | 1461.3 | 1458.4 | 1455.5 |
| 177.5° | 1465.7 | 1467.2 | 1468.8 | 1468.4 | 1466.0 | 1463.7 | 1461.3 | 1459.1 |
| 180° | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 | 1464.2 |

(END OF REPORT)