

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: P332918-940

Luminaire Tested: **S124RDIP-S575D1035U940-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332918-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S575D1035U940-4F0-1E-UDD-F4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 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: 5391.7 lumens
Efficiency: N/A
Efficacy: 121.2 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: Semi-Indirect

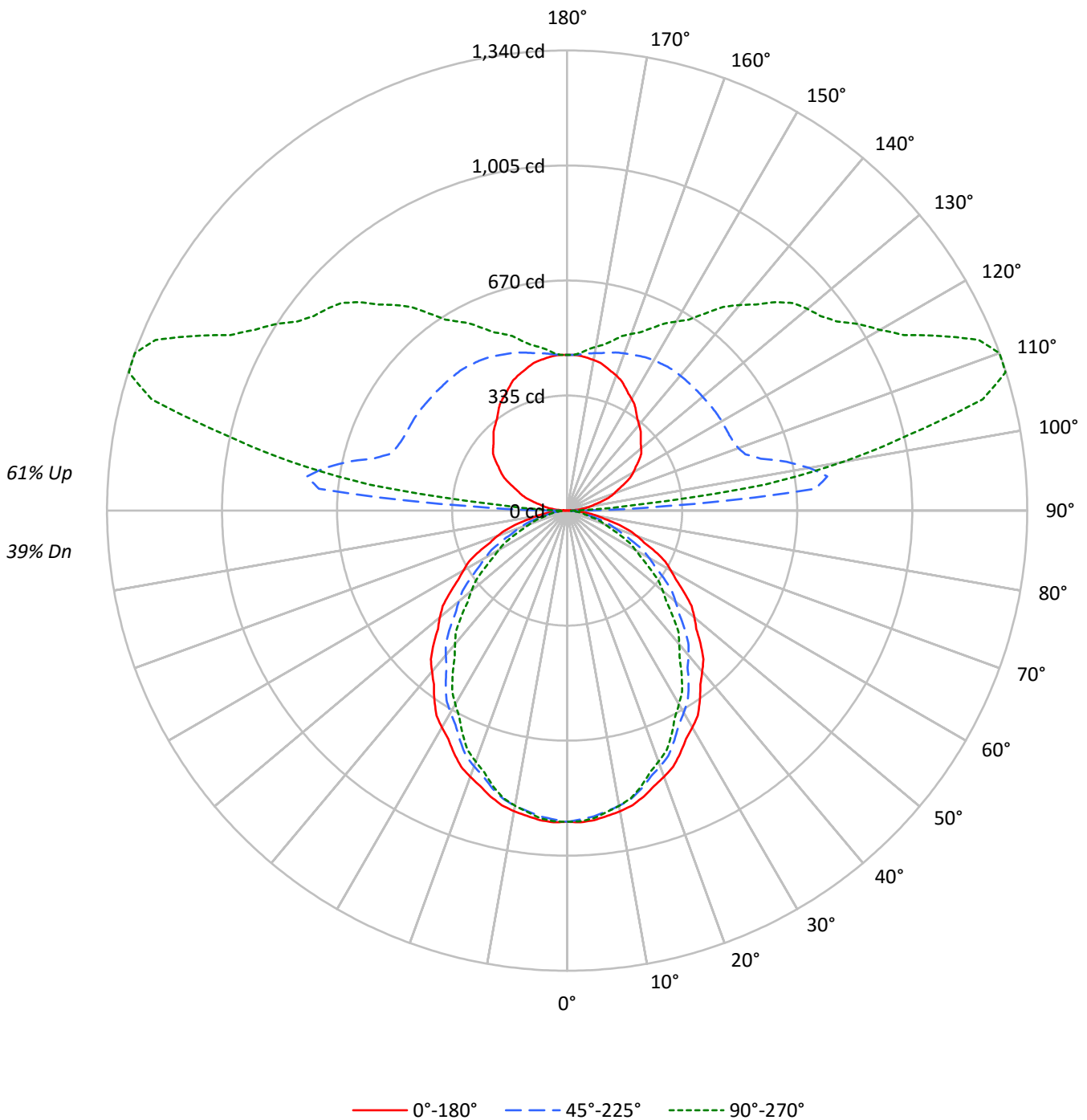
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332918-940

CATALOG NUMBER: S124RDIP-S575D1035U940-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332918-940

CATALOG NUMBER: S124RDIP-S575D1035U940-4F0-1E-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |
| 1 | 96 | 91 | 88 | 84 | 87 | 83 | 80 | 77 | 68 | 66 | 64 | 54 | 52 | 51 | 41 | 40 | 39 | 33 |
| 2 | 87 | 80 | 74 | 69 | 79 | 73 | 68 | 64 | 60 | 56 | 53 | 47 | 45 | 43 | 36 | 35 | 33 | 28 |
| 3 | 80 | 70 | 63 | 58 | 72 | 64 | 58 | 53 | 53 | 48 | 45 | 42 | 39 | 36 | 32 | 30 | 29 | 24 |
| 4 | 73 | 62 | 55 | 49 | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 31 | 29 | 27 | 25 | 21 |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 30 | 27 | 26 | 24 | 22 | 18 |
| 6 | 62 | 50 | 42 | 36 | 56 | 46 | 39 | 34 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 21 | 19 | 16 |
| 7 | 57 | 45 | 37 | 32 | 52 | 41 | 34 | 30 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |
| 8 | 53 | 41 | 33 | 28 | 48 | 38 | 31 | 26 | 31 | 26 | 23 | 25 | 22 | 19 | 20 | 17 | 15 | 13 |
| 9 | 49 | 37 | 30 | 25 | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 23 | 20 | 17 | 18 | 16 | 14 | 12 |
| 10 | 46 | 34 | 27 | 22 | 42 | 31 | 25 | 21 | 26 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7316 | 7316 | 7316 |
| 5° | 7332 | 7243 | 7288 |
| 10° | 7287 | 7156 | 7156 |
| 15° | 7203 | 7005 | 6954 |
| 20° | 7088 | 6808 | 6682 |
| 25° | 6942 | 6576 | 6409 |
| 30° | 6797 | 6332 | 6068 |
| 35° | 6640 | 6080 | 5724 |
| 40° | 6450 | 5792 | 5352 |
| 45° | 6275 | 5505 | 4975 |
| 50° | 6075 | 5176 | 4575 |
| 55° | 5859 | 4835 | 4141 |
| 60° | 5624 | 4459 | 3697 |
| 65° | 5408 | 3989 | 3261 |
| 70° | 5094 | 3472 | 2769 |
| 75° | 4697 | 2879 | 2249 |
| 80° | 4096 | 2194 | 2064 |
| 85° | 3473 | 1991 | 1871 |



TEST NUMBER: P332918-940

CATALOG NUMBER: S124RDIP-S575D1035U940-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.1 | 1.6 |
| 10°-20° | 237.4 | 4.4 |
| 20°-30° | 342.8 | 6.4 |
| 30°-40° | 388.6 | 7.2 |
| 40°-50° | 375.2 | 7.0 |
| 50°-60° | 312.0 | 5.8 |
| 60°-70° | 215.4 | 4.0 |
| 70°-80° | 109.2 | 2.0 |
| 80°-90° | 30.5 | 0.6 |
| 90°-100° | 327.3 | 6.1 |
| 100°-110° | 681.1 | 12.6 |
| 110°-120° | 610.1 | 11.3 |
| 120°-130° | 513.2 | 9.5 |
| 130°-140° | 427.9 | 7.9 |
| 140°-150° | 326.9 | 6.1 |
| 150°-160° | 229.8 | 4.3 |
| 160°-170° | 135.2 | 2.5 |
| 170°-180° | 44.0 | 0.8 |
| 0°-30° | 665.3 | 12.3 |
| 0°-40° | 1053.9 | 19.5 |
| 0°-60° | 1741.1 | 32.3 |
| 0°-90° | 2096.3 | 38.9 |
| 90°-120° | 1618.5 | 30.0 |
| 90°-150° | 2886.5 | 53.5 |
| 90°-180° | 3295.0 | 61.1 |
| 0°-180° | 5391.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 906 | 906 | 906 | 906 | 906 | |
| 5° | 905 | 902 | 894 | 900 | 899 | 86 |
| 15° | 862 | 855 | 838 | 837 | 832 | 243 |
| 25° | 779 | 766 | 738 | 727 | 720 | 359 |
| 35° | 674 | 651 | 617 | 594 | 581 | 421 |
| 45° | 550 | 523 | 482 | 449 | 436 | 424 |
| 55° | 416 | 388 | 344 | 309 | 294 | 372 |
| 65° | 283 | 252 | 209 | 180 | 171 | 279 |
| 75° | 151 | 125 | 92 | 77 | 72 | 159 |
| 85° | 38 | 24 | 22 | 20 | 20 | 42 |
| 90° | 1 | 7 | 16 | 18 | 19 | 3 |
| 95° | 29 | 93 | 726 | 359 | 217 | 33 |
| 105° | 104 | 151 | 584 | 1257 | 1252 | 111 |
| 115° | 183 | 230 | 521 | 1001 | 1203 | 182 |
| 125° | 256 | 304 | 518 | 851 | 960 | 227 |
| 135° | 304 | 361 | 514 | 756 | 858 | 235 |
| 145° | 350 | 401 | 511 | 637 | 701 | 220 |
| 155° | 398 | 430 | 497 | 563 | 587 | 183 |
| 165° | 434 | 447 | 476 | 504 | 512 | 122 |
| 175° | 452 | 453 | 457 | 463 | 461 | 43 |
| 180° | 453 | 453 | 453 | 453 | 453 | |



TEST NUMBER: P332918-940

CATALOG NUMBER: S124RDIP-S575D1035U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 908.5 | 907.9 | 907.5 | 907.0 | 906.5 | 905.5 | 904.2 | 902.9 | 901.4 | 900.1 | 901.4 |
| 5° | 904.8 | 904.2 | 903.6 | 902.9 | 902.4 | 901.2 | 899.3 | 897.4 | 895.5 | 893.8 | 895.3 |
| 7.5° | 896.6 | 896.0 | 895.4 | 894.7 | 894.0 | 892.5 | 890.1 | 887.7 | 885.3 | 882.9 | 883.9 |
| 10° | 888.9 | 888.1 | 887.3 | 886.5 | 885.8 | 884.0 | 881.3 | 878.4 | 875.7 | 872.9 | 873.5 |
| 12.5° | 878.9 | 878.0 | 877.1 | 876.2 | 875.3 | 873.3 | 870.0 | 866.7 | 863.4 | 860.1 | 860.5 |
| 15° | 861.8 | 860.4 | 859.1 | 857.6 | 856.2 | 853.6 | 849.8 | 846.0 | 842.0 | 838.2 | 837.9 |
| 17.5° | 841.2 | 839.1 | 837.1 | 835.1 | 833.1 | 829.8 | 825.2 | 820.6 | 815.9 | 811.3 | 810.5 |
| 20° | 825.0 | 823.0 | 821.0 | 819.0 | 817.0 | 813.4 | 808.2 | 802.9 | 797.6 | 792.5 | 791.2 |
| 22.5° | 807.3 | 805.0 | 802.8 | 800.5 | 798.3 | 794.3 | 788.7 | 783.1 | 777.5 | 771.9 | 770.0 |
| 25° | 779.3 | 776.5 | 773.6 | 770.9 | 768.1 | 763.6 | 757.2 | 750.9 | 744.6 | 738.3 | 735.7 |
| 27.5° | 749.8 | 746.4 | 742.9 | 739.4 | 735.8 | 730.8 | 724.0 | 717.3 | 710.5 | 703.7 | 700.5 |
| 30° | 729.2 | 725.4 | 721.6 | 717.7 | 713.9 | 708.3 | 701.1 | 693.8 | 686.5 | 679.3 | 675.5 |
| 32.5° | 707.7 | 703.3 | 698.9 | 694.6 | 690.3 | 684.3 | 676.8 | 669.3 | 661.8 | 654.3 | 649.9 |
| 35° | 673.8 | 668.9 | 663.9 | 659.0 | 654.1 | 647.7 | 640.0 | 632.3 | 624.6 | 616.9 | 611.6 |
| 37.5° | 637.6 | 632.5 | 627.4 | 622.3 | 617.2 | 610.4 | 601.8 | 593.3 | 584.8 | 576.2 | 570.3 |
| 40° | 612.0 | 606.9 | 601.8 | 596.7 | 591.7 | 584.7 | 576.0 | 567.1 | 558.4 | 549.6 | 543.1 |
| 42.5° | 587.5 | 582.3 | 576.9 | 571.6 | 566.2 | 559.0 | 549.8 | 540.6 | 531.5 | 522.4 | 515.8 |
| 45° | 549.6 | 543.9 | 538.1 | 532.4 | 526.7 | 519.2 | 510.0 | 500.8 | 491.5 | 482.2 | 474.7 |
| 47.5° | 510.3 | 504.4 | 498.5 | 492.6 | 486.7 | 478.9 | 469.3 | 459.8 | 450.1 | 440.5 | 432.7 |
| 50° | 483.7 | 477.6 | 471.6 | 465.6 | 459.6 | 451.7 | 441.8 | 431.9 | 422.0 | 412.1 | 404.5 |
| 52.5° | 456.5 | 450.6 | 444.7 | 438.8 | 432.8 | 424.9 | 414.7 | 404.7 | 394.5 | 384.4 | 376.6 |
| 55° | 416.3 | 410.2 | 404.0 | 397.8 | 391.6 | 383.5 | 373.5 | 363.6 | 353.5 | 343.5 | 335.5 |
| 57.5° | 376.7 | 370.2 | 363.8 | 357.4 | 351.0 | 342.9 | 333.0 | 323.1 | 313.3 | 303.4 | 295.2 |
| 60° | 348.3 | 342.1 | 336.0 | 329.8 | 323.7 | 315.7 | 305.8 | 295.9 | 286.1 | 276.2 | 268.1 |
| 62.5° | 322.8 | 316.4 | 310.0 | 303.5 | 297.1 | 288.9 | 278.7 | 268.7 | 258.5 | 248.4 | 241.0 |
| 65° | 283.1 | 276.5 | 269.8 | 263.2 | 256.5 | 248.3 | 238.4 | 228.6 | 218.7 | 208.8 | 202.2 |
| 67.5° | 241.9 | 235.5 | 229.2 | 222.8 | 216.5 | 208.7 | 199.6 | 190.4 | 181.3 | 172.1 | 166.4 |
| 70° | 215.8 | 209.3 | 202.9 | 196.4 | 189.9 | 182.3 | 173.4 | 164.7 | 155.9 | 147.1 | 142.0 |
| 72.5° | 188.1 | 182.2 | 176.3 | 170.5 | 164.6 | 157.6 | 149.3 | 141.0 | 132.6 | 124.3 | 120.0 |
| 75° | 150.6 | 144.9 | 139.2 | 133.5 | 127.8 | 121.3 | 114.0 | 106.7 | 99.5 | 92.3 | 88.7 |
| 77.5° | 112.5 | 107.7 | 102.9 | 98.0 | 93.2 | 87.8 | 81.9 | 76.2 | 70.3 | 64.4 | 62.3 |
| 80° | 88.1 | 83.6 | 79.2 | 74.7 | 70.3 | 65.7 | 61.1 | 56.4 | 51.8 | 47.2 | 46.7 |
| 82.5° | 67.1 | 63.0 | 58.9 | 54.8 | 50.6 | 47.3 | 44.6 | 41.9 | 39.3 | 36.6 | 36.3 |
| 85° | 37.5 | 34.4 | 31.3 | 28.2 | 25.1 | 23.4 | 22.9 | 22.5 | 21.9 | 21.5 | 21.2 |
| 87.5° | 12.9 | 12.3 | 11.9 | 11.1 | 10.3 | 9.7 | 10.6 | 10.5 | 10.7 | 11.0 | 10.7 |
| 90° | 0.9 | 2.7 | 5.4 | 6.2 | 7.1 | 7.1 | 12.5 | 12.5 | 14.3 | 16.1 | 15.2 |
| 92.5° | 10.2 | 14.8 | 23.2 | 34.0 | 47.0 | 65.5 | 110.8 | 179.9 | 247.1 | 282.4 | 235.2 |
| 95° | 29.3 | 32.0 | 40.9 | 52.5 | 73.9 | 111.3 | 188.7 | 334.7 | 547.5 | 725.5 | 746.0 |
| 97.5° | 52.7 | 52.7 | 60.4 | 71.1 | 89.3 | 120.7 | 180.4 | 300.9 | 512.4 | 764.1 | 937.2 |
| 100° | 67.7 | 67.7 | 73.9 | 84.5 | 101.5 | 130.0 | 182.5 | 283.1 | 464.7 | 715.7 | 943.6 |
| 102.5° | 81.9 | 83.3 | 88.8 | 98.8 | 115.0 | 142.0 | 189.6 | 278.1 | 432.7 | 655.2 | 890.2 |
| 105° | 104.2 | 106.8 | 111.3 | 122.0 | 137.9 | 163.8 | 206.5 | 280.4 | 405.0 | 584.0 | 793.2 |
| 107.5° | 128.8 | 130.5 | 134.9 | 146.3 | 161.7 | 187.1 | 226.3 | 293.6 | 400.0 | 544.1 | 714.8 |
| 110° | 145.1 | 146.9 | 151.3 | 162.0 | 178.1 | 202.1 | 241.2 | 303.5 | 401.4 | 530.6 | 675.6 |



TEST NUMBER: P332918-940

CATALOG NUMBER: S124RDIP-S575D1035U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 160.8 | 162.6 | 167.7 | 177.7 | 193.7 | 217.8 | 255.5 | 314.2 | 405.7 | 524.1 | 653.6 |
| 115° | 183.4 | 186.0 | 192.3 | 201.2 | 218.1 | 242.1 | 277.8 | 331.2 | 413.9 | 520.8 | 632.9 |
| 117.5° | 206.9 | 209.4 | 214.9 | 224.7 | 240.5 | 265.5 | 299.3 | 348.4 | 422.7 | 519.9 | 623.7 |
| 120° | 222.6 | 224.4 | 230.6 | 240.3 | 255.5 | 280.4 | 314.2 | 360.5 | 429.1 | 519.9 | 618.7 |
| 122.5° | 236.8 | 238.5 | 244.8 | 253.9 | 270.5 | 294.6 | 328.5 | 371.9 | 435.5 | 519.2 | 613.0 |
| 125° | 255.5 | 259.0 | 264.4 | 274.2 | 291.1 | 316.0 | 348.0 | 389.1 | 445.1 | 518.1 | 603.6 |
| 127.5° | 272.1 | 274.9 | 281.3 | 292.5 | 310.1 | 335.3 | 366.2 | 403.8 | 452.7 | 516.1 | 590.9 |
| 130° | 281.3 | 284.9 | 291.9 | 305.3 | 322.3 | 348.0 | 378.4 | 413.0 | 458.4 | 515.4 | 583.1 |
| 132.5° | 290.5 | 293.4 | 302.6 | 315.3 | 333.7 | 358.0 | 388.3 | 422.3 | 463.4 | 514.7 | 576.0 |
| 135° | 303.5 | 307.1 | 316.0 | 331.2 | 349.8 | 373.0 | 402.3 | 434.4 | 470.9 | 513.6 | 565.3 |
| 137.5° | 316.6 | 319.9 | 329.8 | 344.1 | 363.6 | 385.7 | 413.0 | 443.0 | 475.4 | 513.4 | 556.0 |
| 140° | 325.8 | 328.5 | 338.3 | 353.4 | 372.1 | 393.5 | 420.2 | 448.6 | 478.9 | 512.7 | 551.1 |
| 142.5° | 335.8 | 338.5 | 347.5 | 361.9 | 380.0 | 400.6 | 426.6 | 452.9 | 481.8 | 512.7 | 546.8 |
| 145° | 349.8 | 352.5 | 361.4 | 373.9 | 390.8 | 410.4 | 433.5 | 457.5 | 483.4 | 511.0 | 539.5 |
| 147.5° | 365.7 | 366.6 | 374.4 | 387.3 | 401.3 | 418.9 | 440.7 | 461.6 | 484.3 | 507.7 | 532.9 |
| 150° | 375.7 | 376.6 | 383.7 | 394.4 | 407.7 | 424.6 | 444.3 | 463.8 | 484.3 | 505.6 | 527.9 |
| 152.5° | 385.0 | 385.1 | 392.3 | 402.2 | 414.1 | 429.6 | 447.1 | 465.2 | 482.9 | 502.0 | 522.2 |
| 155° | 397.9 | 398.8 | 404.1 | 413.0 | 422.8 | 436.2 | 451.3 | 466.5 | 480.7 | 496.8 | 513.6 |
| 157.5° | 410.5 | 410.5 | 415.5 | 422.5 | 431.1 | 441.6 | 454.3 | 466.5 | 478.4 | 491.2 | 504.9 |
| 160° | 418.4 | 418.4 | 422.0 | 428.2 | 435.3 | 445.1 | 455.8 | 466.5 | 476.3 | 487.0 | 498.6 |
| 162.5° | 425.5 | 424.8 | 427.7 | 433.2 | 439.6 | 447.3 | 457.2 | 466.5 | 474.1 | 482.7 | 492.8 |
| 165° | 433.5 | 433.5 | 435.3 | 439.8 | 444.3 | 449.5 | 457.5 | 464.7 | 470.0 | 476.3 | 483.4 |
| 167.5° | 441.6 | 440.7 | 441.6 | 445.0 | 447.5 | 451.5 | 457.4 | 462.5 | 465.7 | 469.8 | 474.8 |
| 170° | 445.1 | 444.3 | 445.1 | 447.8 | 449.5 | 452.2 | 456.6 | 461.1 | 462.9 | 465.6 | 469.1 |
| 172.5° | 448.6 | 447.8 | 447.9 | 449.9 | 450.9 | 452.9 | 455.9 | 459.7 | 460.0 | 461.3 | 464.1 |
| 175° | 452.2 | 451.3 | 451.3 | 452.2 | 453.1 | 453.1 | 454.9 | 457.5 | 456.6 | 456.6 | 458.4 |
| 177.5° | 453.8 | 453.1 | 452.4 | 453.1 | 453.1 | 453.1 | 453.8 | 455.2 | 453.8 | 453.8 | 454.5 |
| 180° | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 |



TEST NUMBER: P332918-940

CATALOG NUMBER: S124RDIP-S575D1035U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 902.9 | 904.2 | 905.5 | 906.2 | 906.1 | 905.9 | 905.8 | 905.7 |
| 5° | 896.8 | 898.4 | 899.9 | 900.5 | 900.2 | 899.9 | 899.6 | 899.3 |
| 7.5° | 884.8 | 885.8 | 886.9 | 887.1 | 886.6 | 886.1 | 885.6 | 885.1 |
| 10° | 874.1 | 874.8 | 875.4 | 875.4 | 874.8 | 874.1 | 873.5 | 872.9 |
| 12.5° | 860.9 | 861.2 | 861.7 | 861.4 | 860.5 | 859.7 | 858.8 | 857.9 |
| 15° | 837.6 | 837.3 | 837.0 | 836.3 | 835.2 | 834.1 | 833.0 | 832.0 |
| 17.5° | 809.6 | 808.7 | 807.8 | 806.6 | 804.9 | 803.3 | 801.6 | 800.0 |
| 20° | 790.0 | 788.7 | 787.5 | 785.9 | 783.9 | 781.9 | 779.9 | 777.8 |
| 22.5° | 768.2 | 766.3 | 764.5 | 762.8 | 761.1 | 759.5 | 757.9 | 756.2 |
| 25° | 733.1 | 730.4 | 727.8 | 725.8 | 724.2 | 722.6 | 721.1 | 719.5 |
| 27.5° | 697.2 | 694.0 | 690.8 | 688.0 | 685.8 | 683.6 | 681.4 | 679.2 |
| 30° | 671.6 | 667.7 | 663.9 | 660.8 | 658.3 | 655.8 | 653.4 | 650.9 |
| 32.5° | 645.4 | 641.0 | 636.4 | 633.0 | 630.7 | 628.4 | 626.0 | 623.7 |
| 35° | 606.4 | 601.1 | 595.9 | 591.9 | 589.2 | 586.3 | 583.5 | 580.8 |
| 37.5° | 564.5 | 558.7 | 552.8 | 548.5 | 545.6 | 542.9 | 540.1 | 537.3 |
| 40° | 536.6 | 530.1 | 523.6 | 519.1 | 516.2 | 513.4 | 510.7 | 507.9 |
| 42.5° | 509.2 | 502.6 | 496.0 | 491.2 | 488.3 | 485.4 | 482.5 | 479.7 |
| 45° | 467.2 | 459.6 | 452.0 | 446.8 | 444.1 | 441.3 | 438.5 | 435.8 |
| 47.5° | 424.8 | 417.0 | 409.1 | 403.7 | 400.6 | 397.6 | 394.6 | 391.5 |
| 50° | 396.7 | 389.1 | 381.3 | 376.0 | 373.1 | 370.1 | 367.2 | 364.3 |
| 52.5° | 368.7 | 360.9 | 353.1 | 347.7 | 344.6 | 341.5 | 338.5 | 335.5 |
| 55° | 327.4 | 319.4 | 311.4 | 305.9 | 303.0 | 300.1 | 297.1 | 294.2 |
| 57.5° | 287.0 | 278.9 | 270.8 | 265.6 | 263.4 | 261.2 | 259.0 | 256.7 |
| 60° | 260.1 | 252.1 | 244.1 | 238.9 | 236.4 | 233.9 | 231.5 | 229.0 |
| 62.5° | 233.6 | 226.2 | 218.8 | 214.1 | 212.1 | 210.2 | 208.2 | 206.3 |
| 65° | 195.6 | 189.0 | 182.4 | 178.1 | 176.3 | 174.4 | 172.5 | 170.7 |
| 67.5° | 160.7 | 155.0 | 149.3 | 145.4 | 143.4 | 141.3 | 139.3 | 137.2 |
| 70° | 137.0 | 131.9 | 126.7 | 123.4 | 121.9 | 120.4 | 118.8 | 117.3 |
| 72.5° | 115.7 | 111.3 | 106.9 | 104.1 | 102.6 | 101.2 | 99.8 | 98.4 |
| 75° | 85.2 | 81.7 | 78.1 | 75.9 | 74.9 | 74.0 | 73.1 | 72.1 |
| 77.5° | 60.3 | 58.2 | 56.1 | 54.9 | 54.7 | 54.4 | 54.1 | 53.9 |
| 80° | 46.3 | 45.8 | 45.3 | 45.0 | 44.9 | 44.7 | 44.6 | 44.4 |
| 82.5° | 35.9 | 35.6 | 35.3 | 35.0 | 34.9 | 34.7 | 34.6 | 34.4 |
| 85° | 20.9 | 20.6 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 |
| 87.5° | 10.7 | 10.8 | 10.9 | 10.9 | 11.1 | 11.4 | 11.4 | 11.5 |
| 90° | 16.1 | 16.9 | 17.8 | 17.8 | 18.7 | 19.6 | 18.7 | 18.7 |
| 92.5° | 174.9 | 131.6 | 104.7 | 86.9 | 76.4 | 71.6 | 68.6 | 68.6 |
| 95° | 659.6 | 521.7 | 402.3 | 316.0 | 272.4 | 244.8 | 228.8 | 217.2 |
| 97.5° | 974.6 | 923.3 | 836.2 | 743.3 | 679.4 | 625.8 | 599.1 | 580.6 |
| 100° | 1073.6 | 1091.4 | 1047.8 | 981.9 | 904.5 | 850.2 | 823.4 | 816.4 |
| 102.5° | 1068.6 | 1156.9 | 1169.6 | 1142.1 | 1094.6 | 1055.3 | 1027.2 | 1021.5 |
| 105° | 997.0 | 1151.0 | 1239.1 | 1275.7 | 1277.5 | 1270.3 | 1257.8 | 1252.5 |
| 107.5° | 895.4 | 1059.4 | 1183.5 | 1262.8 | 1306.8 | 1327.1 | 1336.1 | 1338.4 |
| 110° | 834.1 | 988.1 | 1117.2 | 1215.1 | 1278.4 | 1315.7 | 1331.8 | 1339.8 |



TEST NUMBER: P332918-940

CATALOG NUMBER: S124RDIP-S575D1035U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 789.3 | 925.4 | 1047.4 | 1145.3 | 1217.1 | 1262.3 | 1284.8 | 1297.7 |
| 115° | 744.2 | 853.7 | 957.9 | 1043.3 | 1113.7 | 1167.1 | 1195.5 | 1202.7 |
| 117.5° | 722.1 | 812.8 | 894.7 | 967.1 | 1027.2 | 1072.0 | 1100.8 | 1106.3 |
| 120° | 712.1 | 795.0 | 866.2 | 929.3 | 980.1 | 1019.3 | 1042.4 | 1052.2 |
| 122.5° | 703.6 | 783.5 | 848.4 | 903.7 | 946.6 | 980.1 | 999.7 | 1009.5 |
| 125° | 689.0 | 765.5 | 827.0 | 875.9 | 911.6 | 937.4 | 954.3 | 959.7 |
| 127.5° | 671.2 | 744.4 | 805.7 | 852.1 | 887.9 | 910.9 | 925.1 | 930.4 |
| 130° | 657.0 | 727.3 | 787.8 | 835.0 | 871.5 | 893.8 | 908.0 | 913.4 |
| 132.5° | 642.0 | 708.1 | 767.1 | 814.4 | 850.2 | 875.2 | 888.8 | 894.1 |
| 135° | 621.3 | 679.2 | 733.5 | 778.0 | 813.7 | 838.6 | 852.8 | 858.2 |
| 137.5° | 602.7 | 651.7 | 697.4 | 737.6 | 770.9 | 795.5 | 807.3 | 813.7 |
| 140° | 592.0 | 633.8 | 673.9 | 711.2 | 742.4 | 762.1 | 774.5 | 781.6 |
| 142.5° | 582.0 | 618.8 | 653.3 | 685.6 | 713.2 | 731.4 | 742.4 | 747.4 |
| 145° | 567.9 | 598.2 | 624.9 | 649.9 | 672.1 | 687.2 | 696.2 | 700.6 |
| 147.5° | 556.3 | 580.4 | 601.8 | 621.3 | 637.8 | 650.8 | 657.5 | 659.1 |
| 150° | 549.3 | 569.7 | 587.5 | 603.6 | 617.8 | 629.4 | 634.7 | 635.6 |
| 152.5° | 541.4 | 559.0 | 575.4 | 588.6 | 600.7 | 610.1 | 613.3 | 614.2 |
| 155° | 529.7 | 543.9 | 557.2 | 567.9 | 576.8 | 584.0 | 586.7 | 586.7 |
| 157.5° | 517.0 | 529.0 | 540.2 | 548.8 | 555.4 | 560.8 | 562.4 | 562.4 |
| 160° | 509.2 | 519.0 | 528.8 | 535.9 | 541.3 | 546.6 | 547.5 | 547.5 |
| 162.5° | 501.3 | 509.7 | 517.4 | 523.8 | 527.7 | 533.1 | 534.0 | 533.2 |
| 165° | 490.5 | 495.9 | 502.0 | 506.5 | 510.1 | 513.6 | 512.7 | 511.8 |
| 167.5° | 480.0 | 484.1 | 489.1 | 491.8 | 493.6 | 495.9 | 495.7 | 495.0 |
| 170° | 473.6 | 476.3 | 479.8 | 482.5 | 484.3 | 485.2 | 484.3 | 484.3 |
| 172.5° | 467.9 | 469.8 | 472.0 | 473.9 | 475.0 | 475.9 | 475.0 | 473.6 |
| 175° | 460.2 | 461.1 | 462.9 | 462.9 | 462.9 | 464.7 | 462.9 | 461.1 |
| 177.5° | 455.2 | 455.9 | 455.9 | 456.6 | 455.9 | 456.6 | 455.2 | 453.8 |
| 180° | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 | 453.1 |

(END OF REPORT)