

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: P332100

Luminaire Tested: **S123DIW-S340D755U835-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332100
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S340D755U835-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 755 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4433.3 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Semi-Indirect

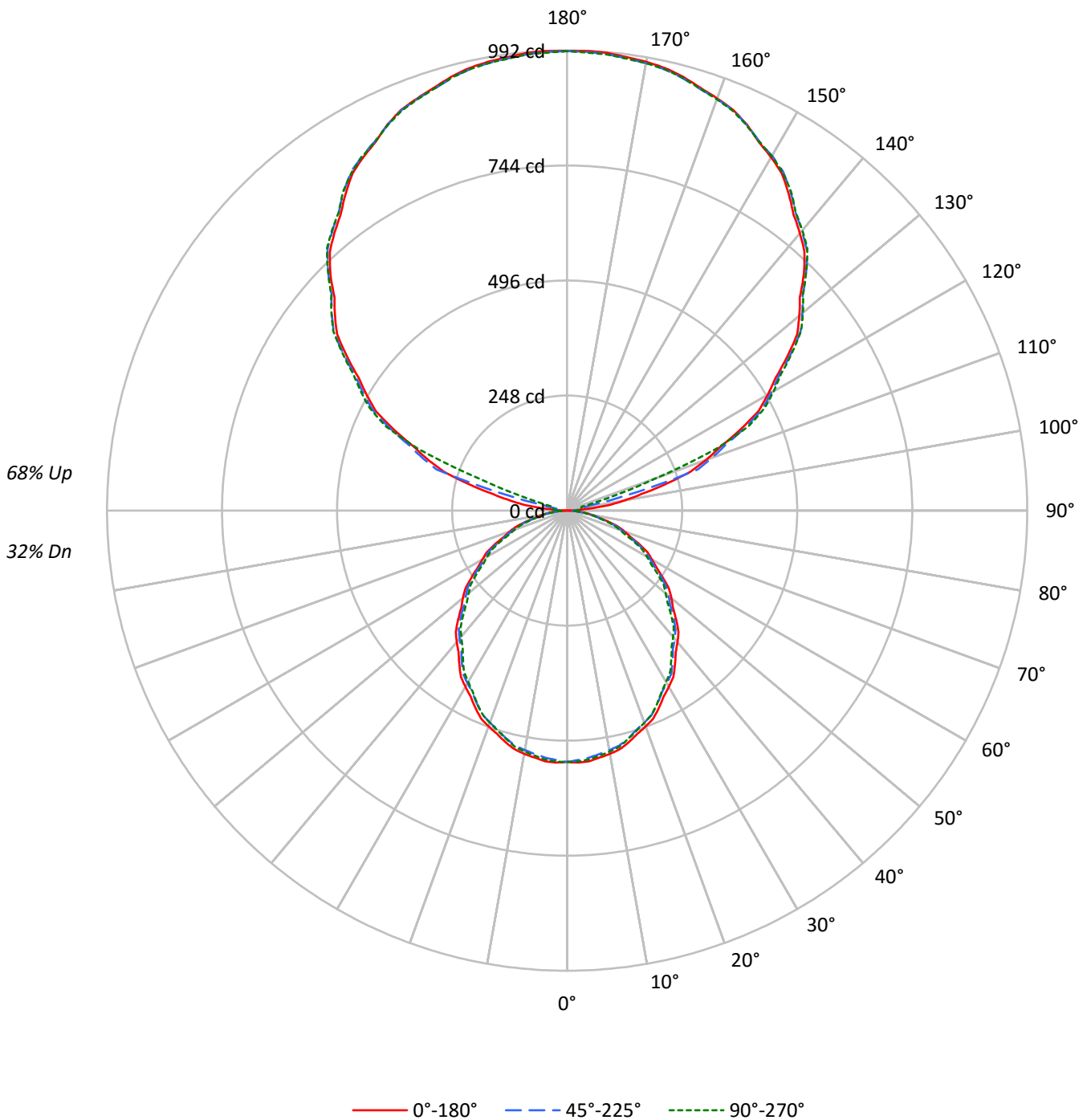
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332100

CATALOG NUMBER: S123DIW-S340D755U835-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332100

CATALOG NUMBER: S123DIW-S340D755U835-4F0-1E-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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 73 | 73 | 73 | 56 | 56 | 56 | 39 | 39 | 39 | 32 |
| 1 | 94 | 89 | 86 | 82 | 84 | 81 | 77 | 75 | 64 | 62 | 60 | 49 | 47 | 46 | 35 | 34 | 33 | 27 |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 65 | 61 | 56 | 53 | 49 | 43 | 40 | 38 | 31 | 29 | 28 | 22 |
| 3 | 78 | 69 | 61 | 56 | 70 | 62 | 56 | 51 | 49 | 45 | 42 | 38 | 35 | 32 | 27 | 25 | 24 | 19 |
| 4 | 71 | 61 | 53 | 47 | 64 | 55 | 48 | 43 | 44 | 39 | 35 | 34 | 30 | 28 | 24 | 22 | 20 | 16 |
| 5 | 65 | 54 | 46 | 40 | 58 | 49 | 42 | 37 | 39 | 34 | 30 | 30 | 27 | 24 | 22 | 19 | 18 | 14 |
| 6 | 60 | 48 | 40 | 35 | 54 | 44 | 37 | 32 | 35 | 30 | 26 | 27 | 24 | 21 | 20 | 17 | 16 | 12 |
| 7 | 55 | 43 | 36 | 30 | 50 | 39 | 33 | 28 | 32 | 27 | 23 | 25 | 21 | 18 | 18 | 16 | 14 | 11 |
| 8 | 51 | 39 | 32 | 27 | 46 | 36 | 29 | 24 | 29 | 24 | 20 | 22 | 19 | 16 | 16 | 14 | 12 | 10 |
| 9 | 48 | 36 | 28 | 24 | 43 | 32 | 26 | 22 | 26 | 22 | 18 | 21 | 17 | 15 | 15 | 13 | 11 | 9 |
| 10 | 44 | 33 | 26 | 21 | 40 | 30 | 24 | 19 | 24 | 19 | 16 | 19 | 16 | 13 | 14 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5833 | 5833 | 5833 |
| 5° | 5861 | 5780 | 5820 |
| 10° | 5821 | 5729 | 5766 |
| 15° | 5753 | 5665 | 5675 |
| 20° | 5674 | 5573 | 5577 |
| 25° | 5567 | 5462 | 5451 |
| 30° | 5450 | 5340 | 5299 |
| 35° | 5327 | 5210 | 5143 |
| 40° | 5199 | 5067 | 4990 |
| 45° | 5057 | 4937 | 4816 |
| 50° | 4915 | 4776 | 4642 |
| 55° | 4731 | 4609 | 4468 |
| 60° | 4545 | 4413 | 4273 |
| 65° | 4378 | 4200 | 4070 |
| 70° | 4135 | 3959 | 3783 |
| 75° | 3780 | 3643 | 3489 |
| 80° | 3409 | 3267 | 3236 |
| 85° | 2989 | 2878 | 2766 |



TEST NUMBER: P332100

CATALOG NUMBER: S123DIW-S340D755U835-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.0 | 1.2 |
| 10°-20° | 144.1 | 3.3 |
| 20°-30° | 212.9 | 4.8 |
| 30°-40° | 248.7 | 5.6 |
| 40°-50° | 250.0 | 5.6 |
| 50°-60° | 219.6 | 5.0 |
| 60°-70° | 163.6 | 3.7 |
| 70°-80° | 93.2 | 2.1 |
| 80°-90° | 29.5 | 0.7 |
| 90°-100° | 36.0 | 0.8 |
| 100°-110° | 171.6 | 3.9 |
| 110°-120° | 412.3 | 9.3 |
| 120°-130° | 525.0 | 11.8 |
| 130°-140° | 560.9 | 12.7 |
| 140°-150° | 524.5 | 11.8 |
| 150°-160° | 423.1 | 9.5 |
| 160°-170° | 273.1 | 6.2 |
| 170°-180° | 94.1 | 2.1 |
| 0°-30° | 408.1 | 9.2 |
| 0°-40° | 656.8 | 14.8 |
| 0°-60° | 1126.5 | 25.4 |
| 0°-90° | 1412.8 | 31.9 |
| 90°-120° | 619.9 | 14.0 |
| 90°-150° | 2230.2 | 50.3 |
| 90°-180° | 3020.0 | 68.1 |
| 0°-180° | 4433.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 542 | 542 | 542 | 542 | 542 | |
| 5° | 542 | 540 | 535 | 539 | 539 | 51 |
| 15° | 516 | 514 | 508 | 512 | 509 | 145 |
| 25° | 469 | 466 | 460 | 460 | 459 | 216 |
| 35° | 405 | 402 | 396 | 394 | 391 | 254 |
| 45° | 332 | 330 | 324 | 319 | 316 | 256 |
| 55° | 252 | 251 | 246 | 241 | 238 | 226 |
| 65° | 172 | 170 | 165 | 161 | 160 | 170 |
| 75° | 91 | 89 | 88 | 85 | 84 | 97 |
| 85° | 24 | 23 | 23 | 22 | 22 | 27 |
| 90° | 1 | 8 | 18 | 21 | 22 | 3 |
| 95° | 45 | 17 | 23 | 28 | 28 | 55 |
| 105° | 219 | 223 | 161 | 38 | 32 | 232 |
| 115° | 411 | 416 | 422 | 430 | 433 | 406 |
| 125° | 580 | 586 | 589 | 590 | 592 | 518 |
| 135° | 722 | 726 | 729 | 731 | 729 | 555 |
| 145° | 833 | 838 | 840 | 841 | 841 | 521 |
| 155° | 918 | 916 | 917 | 920 | 916 | 423 |
| 165° | 968 | 966 | 965 | 970 | 965 | 273 |
| 175° | 990 | 987 | 988 | 992 | 987 | 94 |
| 180° | 990 | 990 | 990 | 990 | 990 | |



TEST NUMBER: P332100

CATALOG NUMBER: S123DIW-S340D755U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 |
| 2.5° | 543.8 | 543.4 | 543.1 | 542.8 | 542.4 | 541.8 | 540.9 | 540.0 | 539.1 | 538.2 | 539.0 |
| 5° | 542.4 | 541.8 | 541.3 | 540.8 | 540.3 | 539.5 | 538.3 | 537.2 | 536.0 | 534.9 | 535.9 |
| 7.5° | 537.1 | 536.5 | 536.0 | 535.5 | 535.0 | 534.1 | 533.0 | 531.8 | 530.6 | 529.4 | 530.3 |
| 10° | 532.6 | 532.1 | 531.5 | 531.0 | 530.5 | 529.6 | 528.2 | 526.9 | 525.5 | 524.2 | 525.1 |
| 12.5° | 526.6 | 526.2 | 525.7 | 525.3 | 524.9 | 524.0 | 522.8 | 521.5 | 520.2 | 519.0 | 519.7 |
| 15° | 516.3 | 515.9 | 515.4 | 515.0 | 514.6 | 513.7 | 512.4 | 511.0 | 509.7 | 508.4 | 509.2 |
| 17.5° | 504.2 | 503.7 | 503.2 | 502.6 | 502.1 | 501.2 | 499.8 | 498.5 | 497.1 | 495.8 | 496.3 |
| 20° | 495.3 | 494.7 | 494.1 | 493.4 | 492.8 | 491.8 | 490.5 | 489.1 | 487.8 | 486.5 | 486.9 |
| 22.5° | 485.2 | 484.6 | 484.0 | 483.4 | 482.8 | 481.8 | 480.4 | 479.1 | 477.7 | 476.4 | 476.7 |
| 25° | 468.7 | 468.1 | 467.5 | 466.9 | 466.3 | 465.3 | 463.9 | 462.6 | 461.2 | 459.9 | 460.0 |
| 27.5° | 451.1 | 450.5 | 449.9 | 449.3 | 448.7 | 447.7 | 446.3 | 444.8 | 443.4 | 441.9 | 442.0 |
| 30° | 438.5 | 437.9 | 437.4 | 436.9 | 436.4 | 435.4 | 434.0 | 432.5 | 431.1 | 429.6 | 429.6 |
| 32.5° | 425.8 | 425.1 | 424.4 | 423.7 | 423.1 | 422.1 | 421.0 | 419.9 | 418.8 | 417.7 | 417.1 |
| 35° | 405.4 | 404.8 | 404.1 | 403.5 | 402.9 | 401.9 | 400.6 | 399.2 | 397.9 | 396.5 | 395.9 |
| 37.5° | 384.5 | 383.7 | 382.9 | 382.1 | 381.4 | 380.3 | 378.9 | 377.5 | 376.2 | 374.8 | 374.1 |
| 40° | 370.0 | 369.3 | 368.7 | 368.1 | 367.5 | 366.4 | 365.0 | 363.5 | 362.1 | 360.6 | 359.8 |
| 42.5° | 355.4 | 354.7 | 354.0 | 353.3 | 352.6 | 351.5 | 350.1 | 348.6 | 347.2 | 345.7 | 344.9 |
| 45° | 332.2 | 331.8 | 331.4 | 331.0 | 330.6 | 329.7 | 328.3 | 327.0 | 325.6 | 324.3 | 323.1 |
| 47.5° | 309.2 | 308.6 | 308.0 | 307.4 | 306.8 | 305.9 | 304.6 | 303.3 | 302.1 | 300.8 | 299.6 |
| 50° | 293.5 | 293.0 | 292.5 | 292.0 | 291.5 | 290.5 | 289.2 | 287.9 | 286.5 | 285.2 | 284.0 |
| 52.5° | 277.1 | 276.8 | 276.4 | 276.1 | 275.7 | 274.8 | 273.4 | 272.0 | 270.6 | 269.1 | 268.2 |
| 55° | 252.1 | 252.0 | 251.9 | 251.8 | 251.7 | 250.9 | 249.6 | 248.2 | 246.9 | 245.6 | 244.4 |
| 57.5° | 228.2 | 227.9 | 227.5 | 227.2 | 226.8 | 226.1 | 225.0 | 223.9 | 222.9 | 221.8 | 220.8 |
| 60° | 211.1 | 211.0 | 210.9 | 210.8 | 210.7 | 210.0 | 208.7 | 207.5 | 206.3 | 205.0 | 204.1 |
| 62.5° | 195.8 | 195.5 | 195.3 | 195.0 | 194.7 | 194.0 | 192.7 | 191.5 | 190.2 | 189.0 | 188.1 |
| 65° | 171.9 | 171.4 | 170.9 | 170.4 | 169.9 | 169.1 | 168.1 | 167.0 | 166.0 | 164.9 | 164.1 |
| 67.5° | 146.7 | 146.2 | 145.8 | 145.3 | 144.9 | 144.2 | 143.5 | 142.7 | 141.9 | 141.1 | 140.4 |
| 70° | 131.4 | 130.8 | 130.2 | 129.5 | 128.9 | 128.3 | 127.7 | 127.0 | 126.4 | 125.8 | 125.1 |
| 72.5° | 115.4 | 114.9 | 114.5 | 114.0 | 113.5 | 113.0 | 112.3 | 111.6 | 110.9 | 110.2 | 109.5 |
| 75° | 90.9 | 90.4 | 90.0 | 89.6 | 89.2 | 88.8 | 88.5 | 88.2 | 87.9 | 87.6 | 87.1 |
| 77.5° | 69.1 | 68.9 | 68.7 | 68.5 | 68.2 | 67.9 | 67.6 | 67.2 | 66.8 | 66.4 | 66.1 |
| 80° | 55.0 | 54.7 | 54.4 | 54.1 | 53.7 | 53.5 | 53.3 | 53.1 | 52.9 | 52.7 | 52.5 |
| 82.5° | 41.2 | 41.1 | 41.1 | 41.0 | 40.9 | 40.9 | 40.8 | 40.8 | 40.8 | 40.7 | 40.5 |
| 85° | 24.2 | 24.0 | 23.8 | 23.6 | 23.4 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.1 |
| 87.5° | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.4 | 10.7 | 11.0 | 11.4 | 11.7 | 11.8 |
| 90° | 0.7 | 2.4 | 4.0 | 5.6 | 7.3 | 9.2 | 11.3 | 13.4 | 15.5 | 17.7 | 18.3 |
| 92.5° | 13.7 | 13.2 | 12.8 | 12.3 | 11.9 | 12.4 | 14.0 | 15.6 | 17.2 | 18.8 | 19.9 |
| 95° | 44.9 | 38.2 | 31.5 | 24.8 | 18.1 | 15.6 | 17.4 | 19.2 | 21.0 | 22.8 | 24.0 |
| 97.5° | 90.2 | 87.2 | 84.2 | 81.2 | 78.2 | 70.8 | 59.0 | 47.2 | 35.5 | 23.7 | 25.0 |
| 100° | 124.4 | 127.6 | 130.9 | 134.2 | 137.4 | 126.3 | 100.8 | 75.3 | 49.8 | 24.3 | 25.6 |
| 102.5° | 163.2 | 165.6 | 167.9 | 170.3 | 172.6 | 159.9 | 132.0 | 104.1 | 76.3 | 48.4 | 44.4 |
| 105° | 219.3 | 221.1 | 222.9 | 224.7 | 226.5 | 220.0 | 205.3 | 190.6 | 175.9 | 161.2 | 132.2 |
| 107.5° | 278.4 | 279.9 | 281.3 | 282.8 | 284.2 | 286.1 | 288.4 | 290.7 | 293.1 | 295.4 | 274.1 |
| 110° | 317.9 | 319.2 | 320.5 | 321.8 | 323.1 | 324.7 | 326.5 | 328.3 | 330.1 | 331.9 | 326.5 |



TEST NUMBER: P332100

CATALOG NUMBER: S123DIW-S340D755U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 355.6 | 356.7 | 357.9 | 359.1 | 360.3 | 361.8 | 363.6 | 365.4 | 367.2 | 369.0 | 369.1 |
| 115° | 411.3 | 412.3 | 413.3 | 414.3 | 415.3 | 416.5 | 418.0 | 419.4 | 420.9 | 422.4 | 424.0 |
| 117.5° | 465.4 | 466.6 | 467.8 | 469.0 | 470.2 | 471.2 | 471.9 | 472.7 | 473.4 | 474.2 | 475.5 |
| 120° | 498.9 | 500.4 | 501.9 | 503.3 | 504.8 | 505.8 | 506.3 | 506.8 | 507.3 | 507.7 | 509.1 |
| 122.5° | 533.1 | 534.3 | 535.5 | 536.7 | 537.9 | 538.8 | 539.4 | 540.1 | 540.7 | 541.3 | 542.2 |
| 125° | 579.9 | 581.2 | 582.5 | 583.8 | 585.1 | 586.1 | 586.7 | 587.4 | 588.0 | 588.7 | 589.0 |
| 127.5° | 625.2 | 626.5 | 627.8 | 629.1 | 630.4 | 631.5 | 632.3 | 633.0 | 633.8 | 634.6 | 635.1 |
| 130° | 653.4 | 654.8 | 656.1 | 657.4 | 658.7 | 659.7 | 660.3 | 661.0 | 661.6 | 662.3 | 662.9 |
| 132.5° | 680.5 | 681.8 | 683.1 | 684.4 | 685.8 | 686.7 | 687.2 | 687.7 | 688.2 | 688.8 | 689.4 |
| 135° | 721.9 | 722.9 | 723.8 | 724.8 | 725.8 | 726.6 | 727.3 | 727.9 | 728.6 | 729.2 | 729.7 |
| 137.5° | 757.2 | 758.4 | 759.7 | 760.9 | 762.2 | 763.0 | 763.3 | 763.7 | 764.1 | 764.4 | 765.2 |
| 140° | 780.7 | 781.7 | 782.7 | 783.7 | 784.7 | 785.4 | 785.9 | 786.4 | 786.9 | 787.4 | 788.0 |
| 142.5° | 802.5 | 803.5 | 804.5 | 805.5 | 806.5 | 807.2 | 807.7 | 808.2 | 808.7 | 809.2 | 809.7 |
| 145° | 833.0 | 834.1 | 835.3 | 836.4 | 837.6 | 838.3 | 838.6 | 839.0 | 839.3 | 839.6 | 839.9 |
| 147.5° | 861.7 | 862.4 | 863.2 | 863.9 | 864.7 | 865.2 | 865.6 | 865.9 | 866.2 | 866.5 | 866.9 |
| 150° | 879.4 | 879.8 | 880.3 | 880.8 | 881.3 | 881.7 | 882.1 | 882.4 | 882.7 | 883.0 | 883.4 |
| 152.5° | 895.2 | 895.5 | 895.7 | 895.9 | 896.2 | 896.4 | 896.6 | 896.8 | 897.0 | 897.2 | 897.7 |
| 155° | 917.6 | 917.3 | 917.0 | 916.6 | 916.3 | 916.2 | 916.4 | 916.6 | 916.7 | 916.9 | 917.7 |
| 157.5° | 935.0 | 935.0 | 934.9 | 934.9 | 934.9 | 934.8 | 934.6 | 934.4 | 934.3 | 934.1 | 935.1 |
| 160° | 945.6 | 945.4 | 945.3 | 945.1 | 944.9 | 944.8 | 944.6 | 944.4 | 944.3 | 944.1 | 945.1 |
| 162.5° | 955.6 | 955.2 | 954.7 | 954.3 | 953.9 | 953.6 | 953.4 | 953.3 | 953.1 | 952.9 | 954.1 |
| 165° | 967.7 | 967.2 | 966.7 | 966.2 | 965.7 | 965.4 | 965.2 | 965.0 | 964.9 | 964.7 | 966.0 |
| 167.5° | 977.1 | 976.4 | 975.8 | 975.1 | 974.5 | 974.1 | 974.1 | 974.1 | 974.1 | 974.1 | 975.4 |
| 170° | 982.4 | 981.7 | 981.1 | 980.4 | 979.8 | 979.4 | 979.4 | 979.4 | 979.4 | 979.4 | 980.7 |
| 172.5° | 985.9 | 985.1 | 984.3 | 983.6 | 982.8 | 982.4 | 982.6 | 982.7 | 982.8 | 983.0 | 984.3 |
| 175° | 990.5 | 989.6 | 988.8 | 988.0 | 987.2 | 986.9 | 987.0 | 987.2 | 987.4 | 987.5 | 988.7 |
| 177.5° | 991.6 | 991.0 | 990.3 | 989.7 | 989.0 | 988.8 | 988.9 | 989.0 | 989.2 | 989.3 | 990.3 |
| 180° | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 |



TEST NUMBER: P332100

CATALOG NUMBER: S123DIW-S340D755U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 | 541.9 |
| 2.5° | 539.8 | 540.7 | 541.5 | 541.9 | 541.8 | 541.7 | 541.6 | 541.5 |
| 5° | 537.0 | 538.0 | 539.1 | 539.5 | 539.3 | 539.1 | 538.8 | 538.6 |
| 7.5° | 531.3 | 532.2 | 533.1 | 533.5 | 533.4 | 533.3 | 533.2 | 533.0 |
| 10° | 526.1 | 527.0 | 527.9 | 528.3 | 528.1 | 527.9 | 527.7 | 527.5 |
| 12.5° | 520.3 | 521.0 | 521.7 | 522.0 | 521.9 | 521.7 | 521.6 | 521.5 |
| 15° | 510.0 | 510.8 | 511.7 | 511.8 | 511.1 | 510.5 | 509.9 | 509.3 |
| 17.5° | 496.9 | 497.5 | 498.1 | 498.3 | 498.0 | 497.8 | 497.6 | 497.4 |
| 20° | 487.3 | 487.7 | 488.1 | 488.2 | 487.8 | 487.5 | 487.2 | 486.9 |
| 22.5° | 477.0 | 477.4 | 477.7 | 477.7 | 477.3 | 476.9 | 476.5 | 476.1 |
| 25° | 460.1 | 460.2 | 460.3 | 460.2 | 459.9 | 459.6 | 459.3 | 459.0 |
| 27.5° | 442.1 | 442.2 | 442.2 | 442.1 | 441.7 | 441.3 | 440.9 | 440.5 |
| 30° | 429.6 | 429.6 | 429.6 | 429.2 | 428.5 | 427.8 | 427.1 | 426.3 |
| 32.5° | 416.5 | 415.9 | 415.4 | 414.9 | 414.5 | 414.1 | 413.7 | 413.3 |
| 35° | 395.3 | 394.7 | 394.0 | 393.5 | 393.0 | 392.4 | 391.9 | 391.4 |
| 37.5° | 373.3 | 372.6 | 371.8 | 371.3 | 371.0 | 370.6 | 370.3 | 370.0 |
| 40° | 359.0 | 358.2 | 357.3 | 356.7 | 356.3 | 355.9 | 355.5 | 355.1 |
| 42.5° | 344.1 | 343.2 | 342.4 | 341.8 | 341.4 | 341.0 | 340.6 | 340.1 |
| 45° | 321.8 | 320.6 | 319.3 | 318.5 | 317.9 | 317.4 | 316.9 | 316.4 |
| 47.5° | 298.4 | 297.2 | 295.9 | 295.1 | 294.6 | 294.2 | 293.7 | 293.3 |
| 50° | 282.9 | 281.7 | 280.6 | 279.7 | 279.1 | 278.5 | 277.9 | 277.2 |
| 52.5° | 267.2 | 266.2 | 265.2 | 264.4 | 263.8 | 263.2 | 262.6 | 262.0 |
| 55° | 243.3 | 242.1 | 241.0 | 240.2 | 239.7 | 239.1 | 238.6 | 238.1 |
| 57.5° | 219.8 | 218.7 | 217.7 | 216.9 | 216.3 | 215.7 | 215.1 | 214.5 |
| 60° | 203.2 | 202.2 | 201.3 | 200.6 | 200.0 | 199.5 | 199.0 | 198.5 |
| 62.5° | 187.1 | 186.2 | 185.3 | 184.6 | 184.3 | 183.9 | 183.6 | 183.2 |
| 65° | 163.3 | 162.5 | 161.6 | 161.1 | 160.8 | 160.4 | 160.1 | 159.8 |
| 67.5° | 139.6 | 138.9 | 138.2 | 137.6 | 137.2 | 136.7 | 136.3 | 135.9 |
| 70° | 124.4 | 123.6 | 122.9 | 122.3 | 121.8 | 121.3 | 120.7 | 120.2 |
| 72.5° | 108.9 | 108.2 | 107.6 | 107.1 | 106.9 | 106.6 | 106.3 | 106.0 |
| 75° | 86.6 | 86.0 | 85.5 | 85.1 | 84.8 | 84.5 | 84.2 | 83.9 |
| 77.5° | 65.7 | 65.4 | 65.0 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| 80° | 52.4 | 52.3 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| 82.5° | 40.4 | 40.2 | 40.0 | 39.8 | 39.8 | 39.7 | 39.6 | 39.5 |
| 85° | 22.9 | 22.7 | 22.5 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 |
| 87.5° | 11.8 | 11.9 | 11.9 | 12.0 | 12.0 | 12.1 | 12.2 | 12.2 |
| 90° | 19.0 | 19.6 | 20.3 | 20.8 | 21.1 | 21.4 | 21.7 | 22.1 |
| 92.5° | 20.9 | 22.0 | 23.0 | 23.6 | 23.8 | 24.0 | 24.2 | 24.4 |
| 95° | 25.1 | 26.2 | 27.4 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 97.5° | 26.3 | 27.6 | 28.9 | 29.7 | 29.8 | 30.0 | 30.2 | 30.3 |
| 100° | 26.9 | 28.2 | 29.5 | 30.3 | 30.4 | 30.6 | 30.7 | 30.9 |
| 102.5° | 40.3 | 36.3 | 32.2 | 30.3 | 30.6 | 30.9 | 31.2 | 31.5 |
| 105° | 103.3 | 74.3 | 45.4 | 31.1 | 31.4 | 31.7 | 32.1 | 32.4 |
| 107.5° | 252.9 | 231.7 | 210.5 | 189.0 | 167.1 | 145.3 | 123.5 | 101.7 |
| 110° | 321.1 | 315.7 | 310.3 | 295.9 | 272.5 | 249.1 | 225.7 | 202.4 |



TEST NUMBER: P332100

CATALOG NUMBER: S123DIW-S340D755U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 369.2 | 369.3 | 369.4 | 366.9 | 362.0 | 357.1 | 352.1 | 347.2 |
| 115° | 425.7 | 427.3 | 428.9 | 430.1 | 430.7 | 431.4 | 432.0 | 432.7 |
| 117.5° | 476.8 | 478.1 | 479.4 | 480.1 | 480.3 | 480.4 | 480.5 | 480.7 |
| 120° | 510.4 | 511.7 | 513.0 | 513.6 | 513.6 | 513.6 | 513.6 | 513.6 |
| 122.5° | 543.1 | 544.0 | 545.0 | 545.5 | 545.6 | 545.7 | 545.9 | 546.0 |
| 125° | 589.3 | 589.7 | 590.0 | 590.3 | 590.7 | 591.0 | 591.3 | 591.6 |
| 127.5° | 635.7 | 636.2 | 636.7 | 636.8 | 636.5 | 636.1 | 635.8 | 635.5 |
| 130° | 663.6 | 664.2 | 664.9 | 665.1 | 664.7 | 664.4 | 664.1 | 663.7 |
| 132.5° | 690.1 | 690.7 | 691.4 | 691.5 | 691.0 | 690.6 | 690.1 | 689.6 |
| 135° | 730.2 | 730.7 | 731.2 | 731.2 | 730.7 | 730.2 | 729.7 | 729.2 |
| 137.5° | 766.0 | 766.8 | 767.6 | 767.8 | 767.5 | 767.1 | 766.8 | 766.5 |
| 140° | 788.7 | 789.3 | 790.0 | 790.2 | 789.8 | 789.5 | 789.2 | 788.8 |
| 142.5° | 810.2 | 810.7 | 811.2 | 811.3 | 810.8 | 810.4 | 809.9 | 809.4 |
| 145° | 840.3 | 840.6 | 840.9 | 841.1 | 841.1 | 841.1 | 841.1 | 841.1 |
| 147.5° | 867.2 | 867.5 | 867.9 | 867.6 | 866.9 | 866.1 | 865.4 | 864.6 |
| 150° | 883.7 | 884.0 | 884.3 | 884.3 | 883.8 | 883.3 | 882.8 | 882.3 |
| 152.5° | 898.3 | 898.9 | 899.5 | 899.4 | 898.7 | 897.9 | 897.2 | 896.4 |
| 155° | 918.5 | 919.3 | 920.2 | 920.1 | 919.1 | 918.1 | 917.1 | 916.1 |
| 157.5° | 936.1 | 937.0 | 938.0 | 937.9 | 936.6 | 935.3 | 934.1 | 932.8 |
| 160° | 946.1 | 947.1 | 948.0 | 948.0 | 946.8 | 945.7 | 944.5 | 943.4 |
| 162.5° | 955.2 | 956.3 | 957.4 | 957.4 | 956.4 | 955.4 | 954.4 | 953.4 |
| 165° | 967.3 | 968.6 | 969.9 | 970.0 | 968.9 | 967.7 | 966.6 | 965.4 |
| 167.5° | 976.7 | 978.1 | 979.4 | 979.4 | 978.1 | 976.7 | 975.4 | 974.1 |
| 170° | 982.0 | 983.4 | 984.7 | 984.7 | 983.4 | 982.0 | 980.7 | 979.4 |
| 172.5° | 985.6 | 986.9 | 988.2 | 988.1 | 986.7 | 985.3 | 983.8 | 982.4 |
| 175° | 989.8 | 991.0 | 992.1 | 992.0 | 990.7 | 989.4 | 988.1 | 986.8 |
| 177.5° | 991.4 | 992.4 | 993.5 | 993.3 | 992.0 | 990.7 | 989.4 | 988.1 |
| 180° | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 | 990.5 |

(END OF REPORT)