

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: P332099-935

Luminaire Tested: **S123DIW-S340D755U935-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332099-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S340D755U935-4F0-1E-UDD-D1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 340 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3494.0 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

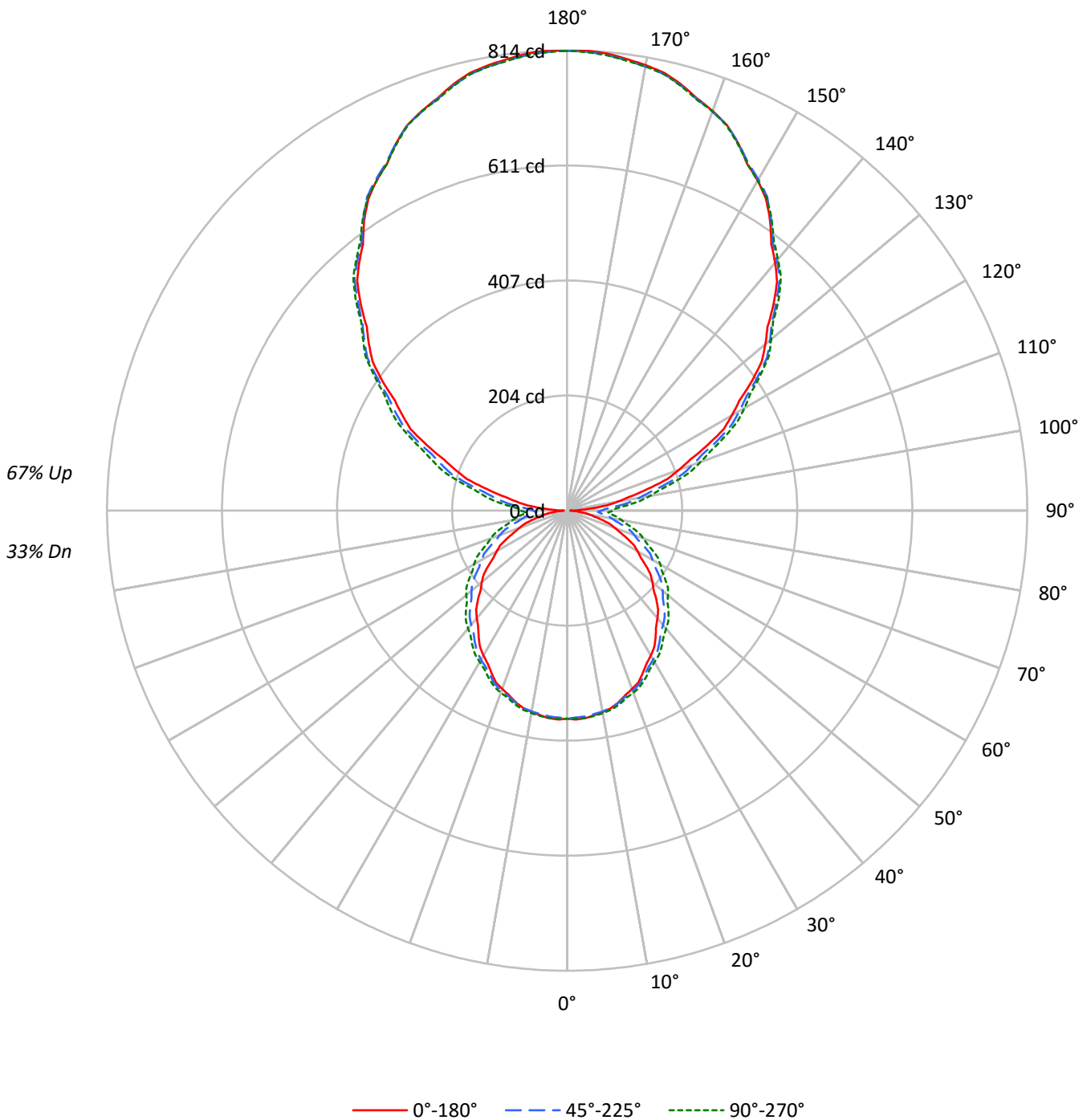
Input Watts (W): 30.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332099-935

CATALOG NUMBER: S123DIW-S340D755U935-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332099-935

CATALOG NUMBER: S123DIW-S340D755U935-4F0-1E-UDD-D1

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 | 74 | 74 | 74 | 56 | 56 | 56 | 40 | 40 | 40 | 33 |
| 1 | 93 | 89 | 85 | 81 | 84 | 80 | 76 | 73 | 63 | 61 | 59 | 48 | 47 | 45 | 34 | 33 | 32 | 26 |
| 2 | 85 | 77 | 71 | 65 | 76 | 69 | 64 | 60 | 55 | 51 | 48 | 42 | 39 | 37 | 30 | 28 | 27 | 21 |
| 3 | 77 | 67 | 60 | 54 | 69 | 61 | 54 | 49 | 48 | 44 | 40 | 37 | 34 | 31 | 26 | 24 | 22 | 18 |
| 4 | 70 | 59 | 52 | 45 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 29 | 26 | 23 | 21 | 19 | 15 |
| 5 | 64 | 53 | 45 | 39 | 57 | 48 | 41 | 35 | 38 | 33 | 29 | 29 | 26 | 23 | 21 | 18 | 17 | 13 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 26 | 23 | 20 | 19 | 16 | 14 | 11 |
| 7 | 54 | 42 | 34 | 29 | 49 | 38 | 32 | 27 | 31 | 26 | 22 | 24 | 20 | 17 | 17 | 15 | 13 | 10 |
| 8 | 50 | 38 | 31 | 25 | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 15 | 16 | 13 | 11 | 9 |
| 9 | 47 | 35 | 27 | 22 | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 20 | 16 | 14 | 14 | 12 | 10 | 8 |
| 10 | 44 | 32 | 25 | 20 | 39 | 29 | 23 | 18 | 23 | 19 | 15 | 18 | 15 | 12 | 13 | 11 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3963 | 3963 | 3963 |
| 5° | 3977 | 3865 | 3866 |
| 10° | 3941 | 3776 | 3757 |
| 15° | 3890 | 3674 | 3636 |
| 20° | 3818 | 3559 | 3504 |
| 25° | 3728 | 3427 | 3365 |
| 30° | 3637 | 3307 | 3224 |
| 35° | 3533 | 3181 | 3112 |
| 40° | 3435 | 3065 | 2991 |
| 45° | 3327 | 2955 | 2895 |
| 50° | 3219 | 2846 | 2789 |
| 55° | 3100 | 2734 | 2693 |
| 60° | 2984 | 2620 | 2596 |
| 65° | 2865 | 2499 | 2479 |
| 70° | 2685 | 2362 | 2359 |
| 75° | 2462 | 2208 | 2239 |
| 80° | 2201 | 2054 | 2100 |
| 85° | 1955 | 1950 | 2018 |



TEST NUMBER: P332099-935

CATALOG NUMBER: S123DIW-S340D755U935-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.9 | 1.0 |
| 10°-20° | 99.5 | 2.8 |
| 20°-30° | 148.9 | 4.3 |
| 30°-40° | 177.8 | 5.1 |
| 40°-50° | 186.0 | 5.3 |
| 50°-60° | 174.5 | 5.0 |
| 60°-70° | 145.8 | 4.2 |
| 70°-80° | 104.3 | 3.0 |
| 80°-90° | 64.6 | 1.8 |
| 90°-100° | 92.0 | 2.6 |
| 100°-110° | 187.3 | 5.4 |
| 110°-120° | 288.9 | 8.3 |
| 120°-130° | 365.8 | 10.5 |
| 130°-140° | 403.8 | 11.6 |
| 140°-150° | 393.1 | 11.3 |
| 150°-160° | 330.1 | 9.4 |
| 160°-170° | 219.7 | 6.3 |
| 170°-180° | 76.9 | 2.2 |
| 0°-30° | 283.3 | 8.1 |
| 0°-40° | 461.0 | 13.2 |
| 0°-60° | 821.6 | 23.5 |
| 0°-90° | 1136.2 | 32.5 |
| 90°-120° | 568.3 | 16.3 |
| 90°-150° | 1731.0 | 49.5 |
| 90°-180° | 2358.0 | 67.5 |
| 0°-180° | 3494.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 368 | 368 | 368 | 368 | 368 | |
| 5° | 369 | 368 | 366 | 368 | 368 | 35 |
| 15° | 351 | 352 | 352 | 356 | 355 | 99 |
| 25° | 317 | 321 | 322 | 327 | 327 | 146 |
| 35° | 273 | 279 | 284 | 290 | 292 | 171 |
| 45° | 223 | 233 | 243 | 250 | 254 | 172 |
| 55° | 170 | 183 | 198 | 208 | 212 | 152 |
| 65° | 118 | 133 | 151 | 162 | 167 | 116 |
| 75° | 64 | 83 | 103 | 116 | 121 | 68 |
| 85° | 20 | 40 | 61 | 74 | 79 | 21 |
| 90° | 6 | 32 | 61 | 76 | 82 | 6 |
| 95° | 42 | 62 | 87 | 101 | 106 | 46 |
| 105° | 147 | 159 | 181 | 192 | 197 | 157 |
| 115° | 274 | 281 | 294 | 303 | 306 | 271 |
| 125° | 399 | 401 | 411 | 417 | 417 | 356 |
| 135° | 516 | 520 | 524 | 528 | 529 | 398 |
| 145° | 626 | 627 | 629 | 631 | 630 | 391 |
| 155° | 716 | 716 | 717 | 719 | 715 | 330 |
| 165° | 780 | 778 | 778 | 782 | 778 | 220 |
| 175° | 812 | 809 | 809 | 812 | 808 | 77 |
| 180° | 814 | 814 | 814 | 814 | 814 | |



TEST NUMBER: P332099-935

CATALOG NUMBER: S123DIW-S340D755U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 |
| 2.5° | 369.9 | 369.7 | 369.5 | 369.3 | 369.0 | 368.7 | 368.1 | 367.5 | 367.0 | 366.4 | 367.0 |
| 5° | 368.7 | 368.5 | 368.3 | 368.2 | 368.0 | 367.6 | 367.0 | 366.5 | 366.0 | 365.5 | 366.2 |
| 7.5° | 365.1 | 365.2 | 365.2 | 365.2 | 365.2 | 365.0 | 364.5 | 363.9 | 363.4 | 362.9 | 363.8 |
| 10° | 361.9 | 362.1 | 362.2 | 362.4 | 362.6 | 362.5 | 362.0 | 361.5 | 361.1 | 360.7 | 361.5 |
| 12.5° | 358.0 | 358.3 | 358.5 | 358.8 | 359.0 | 359.0 | 358.7 | 358.3 | 358.1 | 357.7 | 358.6 |
| 15° | 351.0 | 351.3 | 351.5 | 351.8 | 352.1 | 352.2 | 352.1 | 352.0 | 351.9 | 351.8 | 352.8 |
| 17.5° | 342.2 | 342.8 | 343.3 | 343.8 | 344.3 | 344.6 | 344.6 | 344.5 | 344.5 | 344.5 | 345.3 |
| 20° | 335.8 | 336.3 | 336.8 | 337.4 | 337.9 | 338.3 | 338.5 | 338.6 | 338.8 | 339.0 | 339.8 |
| 22.5° | 329.1 | 329.6 | 330.1 | 330.6 | 331.2 | 331.6 | 331.8 | 332.1 | 332.3 | 332.6 | 333.6 |
| 25° | 316.9 | 317.8 | 318.7 | 319.6 | 320.5 | 321.1 | 321.3 | 321.6 | 321.8 | 322.2 | 323.3 |
| 27.5° | 304.7 | 305.7 | 306.8 | 307.8 | 308.8 | 309.6 | 310.1 | 310.7 | 311.3 | 311.9 | 312.9 |
| 30° | 296.1 | 297.2 | 298.4 | 299.5 | 300.7 | 301.6 | 302.4 | 303.1 | 303.8 | 304.5 | 305.6 |
| 32.5° | 286.5 | 287.7 | 289.0 | 290.3 | 291.6 | 292.7 | 293.7 | 294.6 | 295.6 | 296.4 | 297.6 |
| 35° | 272.8 | 274.2 | 275.7 | 277.1 | 278.5 | 279.8 | 280.9 | 282.1 | 283.3 | 284.5 | 285.8 |
| 37.5° | 258.4 | 259.9 | 261.6 | 263.2 | 264.8 | 266.3 | 267.7 | 269.1 | 270.6 | 272.0 | 273.5 |
| 40° | 248.7 | 250.4 | 251.9 | 253.6 | 255.1 | 256.8 | 258.6 | 260.5 | 262.2 | 264.0 | 265.5 |
| 42.5° | 238.2 | 240.1 | 242.0 | 244.0 | 246.0 | 247.9 | 249.8 | 251.6 | 253.5 | 255.3 | 257.0 |
| 45° | 223.1 | 225.2 | 227.3 | 229.5 | 231.6 | 233.8 | 236.0 | 238.2 | 240.5 | 242.7 | 244.4 |
| 47.5° | 207.2 | 209.7 | 212.1 | 214.6 | 217.0 | 219.5 | 222.0 | 224.5 | 227.0 | 229.6 | 231.5 |
| 50° | 197.0 | 199.5 | 202.0 | 204.5 | 207.0 | 209.6 | 212.3 | 215.2 | 217.9 | 220.7 | 222.7 |
| 52.5° | 186.1 | 188.7 | 191.3 | 194.0 | 196.7 | 199.5 | 202.5 | 205.6 | 208.6 | 211.6 | 213.8 |
| 55° | 170.1 | 173.1 | 176.0 | 178.9 | 181.8 | 184.9 | 188.1 | 191.4 | 194.6 | 197.8 | 200.2 |
| 57.5° | 154.5 | 157.6 | 160.7 | 163.8 | 166.8 | 170.1 | 173.6 | 177.1 | 180.6 | 184.2 | 186.6 |
| 60° | 143.6 | 146.8 | 150.1 | 153.3 | 156.4 | 159.9 | 163.6 | 167.2 | 170.8 | 174.5 | 177.0 |
| 62.5° | 133.4 | 136.6 | 139.9 | 143.2 | 146.5 | 150.1 | 153.9 | 157.8 | 161.7 | 165.6 | 168.0 |
| 65° | 117.5 | 121.1 | 124.5 | 127.9 | 131.5 | 135.2 | 139.1 | 143.0 | 146.9 | 150.8 | 153.5 |
| 67.5° | 101.5 | 105.2 | 108.9 | 112.5 | 116.2 | 120.1 | 124.1 | 128.1 | 132.1 | 136.1 | 139.0 |
| 70° | 90.2 | 94.1 | 97.9 | 101.8 | 105.6 | 109.7 | 113.9 | 118.2 | 122.5 | 126.7 | 129.7 |
| 72.5° | 80.0 | 83.9 | 87.6 | 91.5 | 95.3 | 99.4 | 103.8 | 108.3 | 112.7 | 117.2 | 120.1 |
| 75° | 63.8 | 68.0 | 72.2 | 76.4 | 80.6 | 84.9 | 89.4 | 93.8 | 98.2 | 102.7 | 105.6 |
| 77.5° | 49.7 | 53.9 | 58.1 | 62.3 | 66.6 | 70.9 | 75.4 | 79.9 | 84.4 | 88.9 | 92.0 |
| 80° | 39.7 | 44.1 | 48.5 | 52.9 | 57.2 | 61.7 | 66.3 | 70.9 | 75.6 | 80.2 | 83.3 |
| 82.5° | 31.1 | 35.5 | 40.0 | 44.3 | 48.8 | 53.4 | 58.1 | 62.8 | 67.5 | 72.2 | 75.3 |
| 85° | 19.6 | 24.1 | 28.6 | 33.1 | 37.5 | 42.1 | 46.8 | 51.5 | 56.2 | 61.0 | 64.0 |
| 87.5° | 10.8 | 15.5 | 20.2 | 25.0 | 29.7 | 34.5 | 39.4 | 44.3 | 49.2 | 54.2 | 57.3 |
| 90° | 5.9 | 11.6 | 17.4 | 23.2 | 29.0 | 35.1 | 41.5 | 47.9 | 54.2 | 60.7 | 64.2 |
| 92.5° | 20.3 | 25.2 | 30.1 | 35.0 | 40.0 | 45.2 | 50.7 | 56.2 | 61.8 | 67.3 | 70.7 |
| 95° | 42.1 | 46.6 | 51.1 | 55.5 | 60.0 | 65.0 | 70.5 | 76.0 | 81.5 | 87.0 | 90.3 |
| 97.5° | 70.9 | 74.8 | 78.7 | 82.6 | 86.4 | 90.8 | 95.8 | 100.8 | 105.8 | 110.8 | 114.2 |
| 100° | 90.5 | 94.2 | 97.9 | 101.6 | 105.4 | 109.6 | 114.4 | 119.2 | 124.1 | 128.8 | 131.8 |
| 102.5° | 113.2 | 116.3 | 119.3 | 122.4 | 125.5 | 129.6 | 134.5 | 139.5 | 144.5 | 149.4 | 152.4 |
| 105° | 147.0 | 149.4 | 151.9 | 154.3 | 156.7 | 160.5 | 165.6 | 170.7 | 175.8 | 180.9 | 183.4 |
| 107.5° | 185.9 | 187.9 | 189.9 | 191.8 | 193.8 | 196.9 | 201.0 | 205.2 | 209.4 | 213.5 | 216.4 |
| 110° | 210.1 | 212.0 | 213.9 | 215.8 | 217.7 | 220.5 | 224.4 | 228.3 | 232.0 | 235.9 | 238.8 |



TEST NUMBER: P332099-935

CATALOG NUMBER: S123DIW-S340D755U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 235.7 | 237.1 | 238.7 | 240.1 | 241.6 | 244.1 | 247.6 | 251.1 | 254.5 | 258.0 | 261.0 |
| 115° | 273.6 | 275.1 | 276.6 | 278.1 | 279.6 | 281.8 | 284.7 | 287.7 | 290.6 | 293.5 | 295.8 |
| 117.5° | 312.1 | 313.1 | 314.0 | 315.0 | 315.9 | 317.7 | 320.4 | 323.0 | 325.6 | 328.3 | 330.4 |
| 120° | 335.9 | 337.2 | 338.5 | 339.8 | 341.0 | 342.8 | 345.0 | 347.2 | 349.5 | 351.7 | 353.6 |
| 122.5° | 360.9 | 361.7 | 362.6 | 363.4 | 364.3 | 365.9 | 368.4 | 370.8 | 373.2 | 375.7 | 377.3 |
| 125° | 398.7 | 399.2 | 399.6 | 400.0 | 400.5 | 401.7 | 404.1 | 406.4 | 408.7 | 411.0 | 412.2 |
| 127.5° | 433.9 | 434.8 | 435.6 | 436.4 | 437.3 | 438.6 | 440.4 | 442.2 | 444.1 | 445.9 | 446.9 |
| 130° | 457.5 | 458.6 | 459.6 | 460.6 | 461.7 | 462.9 | 464.3 | 465.6 | 466.9 | 468.3 | 469.4 |
| 132.5° | 480.7 | 481.8 | 482.9 | 484.1 | 485.2 | 486.3 | 487.4 | 488.5 | 489.7 | 490.8 | 491.7 |
| 135° | 516.5 | 517.3 | 518.1 | 518.8 | 519.6 | 520.4 | 521.2 | 522.0 | 522.9 | 523.7 | 524.8 |
| 137.5° | 549.7 | 550.4 | 551.0 | 551.6 | 552.2 | 553.0 | 554.0 | 554.8 | 555.8 | 556.7 | 557.5 |
| 140° | 572.4 | 573.1 | 573.8 | 574.5 | 575.2 | 575.8 | 576.2 | 576.6 | 577.0 | 577.4 | 578.6 |
| 142.5° | 593.3 | 594.0 | 594.6 | 595.2 | 595.9 | 596.3 | 596.7 | 597.0 | 597.3 | 597.6 | 598.7 |
| 145° | 626.0 | 626.2 | 626.5 | 626.6 | 626.8 | 627.2 | 627.6 | 628.0 | 628.4 | 628.9 | 629.4 |
| 147.5° | 654.3 | 654.8 | 655.3 | 655.8 | 656.3 | 656.8 | 657.2 | 657.5 | 658.0 | 658.4 | 658.6 |
| 150° | 674.2 | 674.5 | 674.8 | 675.1 | 675.4 | 675.6 | 675.9 | 676.2 | 676.5 | 676.7 | 676.7 |
| 152.5° | 690.6 | 691.0 | 691.4 | 691.8 | 692.2 | 692.4 | 692.6 | 692.8 | 692.9 | 693.1 | 693.4 |
| 155° | 716.4 | 716.4 | 716.4 | 716.4 | 716.4 | 716.4 | 716.6 | 716.8 | 716.9 | 717.0 | 717.6 |
| 157.5° | 738.4 | 738.2 | 738.0 | 737.9 | 737.7 | 737.7 | 737.8 | 737.9 | 738.0 | 738.1 | 738.7 |
| 160° | 752.2 | 751.9 | 751.7 | 751.3 | 751.1 | 750.9 | 750.9 | 750.9 | 750.9 | 750.9 | 751.7 |
| 162.5° | 764.5 | 764.1 | 763.6 | 763.3 | 762.8 | 762.8 | 762.8 | 762.9 | 763.1 | 763.2 | 763.9 |
| 165° | 780.3 | 779.9 | 779.5 | 779.0 | 778.6 | 778.3 | 778.3 | 778.3 | 778.3 | 778.3 | 779.2 |
| 167.5° | 793.0 | 792.4 | 791.9 | 791.3 | 790.7 | 790.5 | 790.6 | 790.7 | 790.8 | 790.9 | 791.8 |
| 170° | 800.1 | 799.5 | 799.0 | 798.4 | 797.8 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 798.6 |
| 172.5° | 805.7 | 805.2 | 804.6 | 804.0 | 803.5 | 803.1 | 803.1 | 803.1 | 803.1 | 803.1 | 804.1 |
| 175° | 811.6 | 811.1 | 810.5 | 809.9 | 809.3 | 809.1 | 809.1 | 809.1 | 809.1 | 809.1 | 809.9 |
| 177.5° | 814.1 | 813.6 | 813.1 | 812.7 | 812.3 | 812.0 | 812.0 | 812.0 | 812.0 | 812.0 | 812.7 |
| 180° | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 |



TEST NUMBER: P332099-935

CATALOG NUMBER: S123DIW-S340D755U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 |
| 2.5° | 367.5 | 368.1 | 368.7 | 368.9 | 368.9 | 368.8 | 368.7 | 368.6 |
| 5° | 366.9 | 367.6 | 368.3 | 368.7 | 368.6 | 368.4 | 368.3 | 368.2 |
| 7.5° | 364.7 | 365.6 | 366.4 | 366.9 | 366.8 | 366.6 | 366.5 | 366.4 |
| 10° | 362.5 | 363.3 | 364.2 | 364.5 | 364.4 | 364.2 | 364.0 | 363.9 |
| 12.5° | 359.4 | 360.2 | 361.0 | 361.4 | 361.2 | 361.0 | 360.8 | 360.7 |
| 15° | 353.6 | 354.5 | 355.4 | 355.8 | 355.7 | 355.6 | 355.5 | 355.4 |
| 17.5° | 346.0 | 346.9 | 347.7 | 348.0 | 347.8 | 347.8 | 347.7 | 347.5 |
| 20° | 340.6 | 341.4 | 342.2 | 342.7 | 342.8 | 342.9 | 342.9 | 343.0 |
| 22.5° | 334.6 | 335.6 | 336.7 | 337.2 | 337.1 | 337.0 | 337.0 | 336.9 |
| 25° | 324.4 | 325.6 | 326.7 | 327.4 | 327.4 | 327.4 | 327.4 | 327.4 |
| 27.5° | 313.8 | 314.9 | 315.9 | 316.4 | 316.5 | 316.6 | 316.6 | 316.7 |
| 30° | 306.6 | 307.7 | 308.8 | 309.3 | 309.3 | 309.3 | 309.3 | 309.3 |
| 32.5° | 298.8 | 299.9 | 301.0 | 301.7 | 302.0 | 302.1 | 302.4 | 302.6 |
| 35° | 287.1 | 288.4 | 289.8 | 290.7 | 291.0 | 291.4 | 291.7 | 292.1 |
| 37.5° | 275.0 | 276.6 | 278.1 | 279.0 | 279.2 | 279.6 | 279.8 | 280.1 |
| 40° | 267.0 | 268.5 | 270.0 | 271.0 | 271.3 | 271.7 | 272.1 | 272.4 |
| 42.5° | 258.6 | 260.3 | 261.9 | 263.0 | 263.6 | 264.0 | 264.5 | 265.0 |
| 45° | 246.1 | 247.8 | 249.5 | 250.7 | 251.4 | 252.1 | 252.9 | 253.6 |
| 47.5° | 233.4 | 235.4 | 237.3 | 238.5 | 239.0 | 239.6 | 240.1 | 240.7 |
| 50° | 224.7 | 226.8 | 228.9 | 230.2 | 230.8 | 231.4 | 232.0 | 232.7 |
| 52.5° | 215.9 | 218.0 | 220.2 | 221.6 | 222.4 | 223.2 | 223.9 | 224.6 |
| 55° | 202.6 | 205.0 | 207.4 | 209.0 | 209.7 | 210.4 | 211.1 | 211.8 |
| 57.5° | 189.0 | 191.4 | 193.8 | 195.4 | 196.3 | 197.2 | 198.0 | 198.8 |
| 60° | 179.5 | 182.0 | 184.5 | 186.2 | 187.2 | 188.2 | 189.2 | 190.2 |
| 62.5° | 170.5 | 173.0 | 175.5 | 177.2 | 178.1 | 179.0 | 179.9 | 180.9 |
| 65° | 156.2 | 158.9 | 161.5 | 163.3 | 164.2 | 165.1 | 166.0 | 166.9 |
| 67.5° | 141.9 | 144.8 | 147.7 | 149.6 | 150.3 | 151.1 | 151.9 | 152.6 |
| 70° | 132.5 | 135.3 | 138.2 | 140.1 | 140.9 | 141.8 | 142.8 | 143.6 |
| 72.5° | 123.0 | 125.9 | 128.8 | 130.8 | 131.6 | 132.5 | 133.5 | 134.3 |
| 75° | 108.6 | 111.5 | 114.5 | 116.5 | 117.5 | 118.6 | 119.7 | 120.8 |
| 77.5° | 95.1 | 98.2 | 101.3 | 103.2 | 104.1 | 105.0 | 105.7 | 106.6 |
| 80° | 86.3 | 89.4 | 92.4 | 94.3 | 95.2 | 96.1 | 97.0 | 97.9 |
| 82.5° | 78.3 | 81.3 | 84.4 | 86.3 | 87.2 | 88.1 | 88.9 | 89.9 |
| 85° | 67.1 | 70.1 | 73.1 | 75.1 | 75.9 | 76.9 | 77.7 | 78.6 |
| 87.5° | 60.4 | 63.6 | 66.7 | 68.8 | 69.7 | 70.7 | 71.6 | 72.6 |
| 90° | 67.8 | 71.5 | 75.1 | 77.5 | 78.6 | 79.8 | 81.0 | 82.1 |
| 92.5° | 74.1 | 77.6 | 80.9 | 83.0 | 83.6 | 84.3 | 85.0 | 85.6 |
| 95° | 93.7 | 97.0 | 100.3 | 102.5 | 103.3 | 104.3 | 105.1 | 106.0 |
| 97.5° | 117.4 | 120.8 | 124.1 | 126.1 | 127.0 | 127.8 | 128.6 | 129.5 |
| 100° | 134.8 | 137.8 | 140.9 | 143.0 | 144.1 | 145.3 | 146.5 | 147.7 |
| 102.5° | 155.3 | 158.3 | 161.2 | 163.1 | 163.9 | 164.7 | 165.6 | 166.4 |
| 105° | 185.9 | 188.4 | 190.9 | 192.7 | 193.8 | 194.8 | 196.0 | 197.0 |
| 107.5° | 219.2 | 222.1 | 224.9 | 226.6 | 227.2 | 227.8 | 228.4 | 229.0 |
| 110° | 241.7 | 244.6 | 247.5 | 249.2 | 249.5 | 249.9 | 250.4 | 250.8 |



TEST NUMBER: P332099-935

CATALOG NUMBER: S123DIW-S340D755U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 263.9 | 266.8 | 269.8 | 271.6 | 272.3 | 273.0 | 273.8 | 274.5 |
| 115° | 298.1 | 300.3 | 302.6 | 304.0 | 304.6 | 305.2 | 305.7 | 306.3 |
| 117.5° | 332.4 | 334.6 | 336.7 | 337.9 | 338.1 | 338.5 | 338.7 | 339.1 |
| 120° | 355.5 | 357.5 | 359.4 | 360.5 | 360.8 | 361.2 | 361.5 | 361.9 |
| 122.5° | 378.9 | 380.5 | 382.1 | 383.1 | 383.2 | 383.5 | 383.7 | 383.9 |
| 125° | 413.6 | 414.9 | 416.2 | 416.9 | 416.9 | 417.0 | 417.1 | 417.1 |
| 127.5° | 447.8 | 448.8 | 449.8 | 450.2 | 450.2 | 450.1 | 450.1 | 450.0 |
| 130° | 470.5 | 471.7 | 472.9 | 473.1 | 472.7 | 472.3 | 471.7 | 471.3 |
| 132.5° | 492.7 | 493.5 | 494.5 | 494.9 | 494.7 | 494.6 | 494.4 | 494.2 |
| 135° | 525.8 | 526.8 | 527.9 | 528.5 | 528.7 | 528.8 | 529.0 | 529.2 |
| 137.5° | 558.4 | 559.1 | 560.0 | 560.3 | 560.3 | 560.2 | 560.0 | 559.9 |
| 140° | 579.8 | 581.0 | 582.2 | 582.6 | 581.9 | 581.4 | 580.8 | 580.3 |
| 142.5° | 599.7 | 600.7 | 601.8 | 602.2 | 601.8 | 601.5 | 601.2 | 600.9 |
| 145° | 630.0 | 630.6 | 631.1 | 631.3 | 631.1 | 630.9 | 630.7 | 630.4 |
| 147.5° | 658.8 | 659.0 | 659.3 | 659.1 | 658.5 | 658.0 | 657.5 | 656.9 |
| 150° | 676.7 | 676.7 | 676.7 | 676.4 | 675.8 | 675.1 | 674.4 | 673.7 |
| 152.5° | 693.6 | 693.8 | 694.1 | 693.8 | 693.1 | 692.4 | 691.7 | 691.0 |
| 155° | 718.2 | 718.8 | 719.3 | 719.1 | 718.1 | 717.1 | 716.1 | 715.1 |
| 157.5° | 739.3 | 739.9 | 740.5 | 740.4 | 739.6 | 738.8 | 738.0 | 737.2 |
| 160° | 752.3 | 753.0 | 753.7 | 753.8 | 753.3 | 752.7 | 752.1 | 751.6 |
| 162.5° | 764.6 | 765.3 | 766.0 | 765.9 | 765.0 | 764.1 | 763.2 | 762.2 |
| 165° | 780.1 | 780.9 | 781.8 | 781.7 | 780.8 | 779.7 | 778.8 | 777.7 |
| 167.5° | 792.6 | 793.6 | 794.4 | 794.4 | 793.6 | 792.6 | 791.8 | 790.9 |
| 170° | 799.5 | 800.6 | 801.5 | 801.5 | 800.6 | 799.5 | 798.6 | 797.5 |
| 172.5° | 804.9 | 805.8 | 806.7 | 806.7 | 805.6 | 804.7 | 803.7 | 802.7 |
| 175° | 810.8 | 811.6 | 812.4 | 812.4 | 811.4 | 810.4 | 809.4 | 808.4 |
| 177.5° | 813.4 | 814.1 | 814.8 | 814.7 | 813.9 | 813.0 | 812.3 | 811.5 |
| 180° | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 | 813.6 |

(END OF REPORT)