

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: P332522

Luminaire Tested: **SA4XXDIP-C350D1035U835-4F0-1E-UDD-D4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332522
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: SA4XXDIP-C350D1035U835-4F0-1E-UDD-D4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

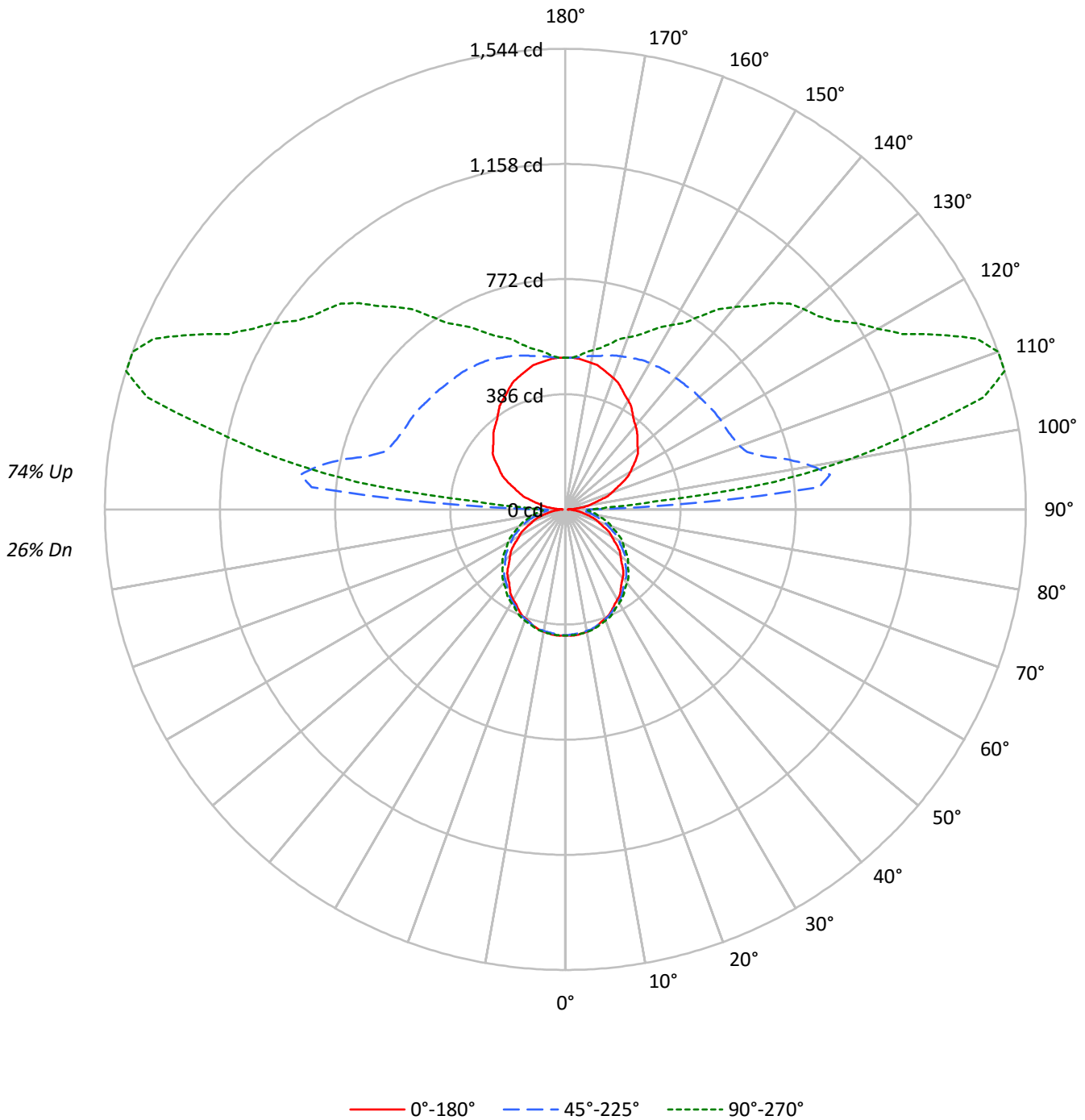
Lumens per Lamp: N/A
Luminaire Lumens: 5139.3 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

Input Watts (W): 37.3
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: P332522
CATALOG NUMBER: SA4XXDIP-C350D1035U835-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P332522

CATALOG NUMBER: SA4XXDIP-C350D1035U835-4F0-1E-UDD-D4

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 | 90 | 90 | 90 | 90 | 70 | 70 | 70 | 51 | 51 | 51 | 34 | 34 | 34 | 26 |
| 1 | 92 | 87 | 84 | 80 | 82 | 78 | 75 | 72 | 60 | 58 | 56 | 44 | 43 | 41 | 29 | 28 | 28 | 21 |
| 2 | 83 | 76 | 70 | 65 | 74 | 68 | 63 | 58 | 53 | 49 | 46 | 38 | 36 | 34 | 25 | 24 | 23 | 17 |
| 3 | 76 | 67 | 59 | 54 | 67 | 59 | 53 | 48 | 46 | 42 | 38 | 34 | 31 | 29 | 22 | 21 | 19 | 14 |
| 4 | 69 | 59 | 51 | 45 | 61 | 52 | 46 | 41 | 41 | 36 | 32 | 30 | 27 | 24 | 20 | 18 | 16 | 12 |
| 5 | 63 | 52 | 44 | 38 | 56 | 47 | 40 | 35 | 36 | 31 | 28 | 27 | 23 | 21 | 18 | 16 | 14 | 10 |
| 6 | 58 | 46 | 39 | 33 | 52 | 42 | 35 | 30 | 32 | 28 | 24 | 24 | 21 | 18 | 16 | 14 | 12 | 9 |
| 7 | 54 | 42 | 34 | 29 | 48 | 37 | 31 | 26 | 29 | 24 | 21 | 22 | 18 | 16 | 15 | 12 | 11 | 8 |
| 8 | 50 | 38 | 30 | 25 | 44 | 34 | 27 | 23 | 27 | 22 | 18 | 20 | 16 | 14 | 13 | 11 | 10 | 7 |
| 9 | 46 | 34 | 27 | 22 | 41 | 31 | 24 | 20 | 24 | 20 | 16 | 18 | 15 | 12 | 12 | 10 | 9 | 6 |
| 10 | 43 | 31 | 24 | 20 | 38 | 28 | 22 | 18 | 22 | 18 | 14 | 17 | 13 | 11 | 11 | 9 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3412 | 3412 | 3412 |
| 5° | 3423 | 3335 | 3344 |
| 10° | 3402 | 3281 | 3278 |
| 15° | 3371 | 3217 | 3200 |
| 20° | 3325 | 3147 | 3124 |
| 25° | 3274 | 3070 | 3039 |
| 30° | 3217 | 2992 | 2954 |
| 35° | 3154 | 2912 | 2878 |
| 40° | 3103 | 2836 | 2800 |
| 45° | 3027 | 2766 | 2732 |
| 50° | 2964 | 2686 | 2661 |
| 55° | 2899 | 2610 | 2577 |
| 60° | 2796 | 2513 | 2501 |
| 65° | 2682 | 2410 | 2407 |
| 70° | 2547 | 2292 | 2298 |
| 75° | 2356 | 2161 | 2199 |
| 80° | 2145 | 2037 | 2102 |
| 85° | 1878 | 1926 | 2046 |



TEST NUMBER: P332522

CATALOG NUMBER: SA4XXDIP-C350D1035U835-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.0 | 0.8 |
| 10°-20° | 114.7 | 2.2 |
| 20°-30° | 173.4 | 3.4 |
| 30°-40° | 209.8 | 4.1 |
| 40°-50° | 221.8 | 4.3 |
| 50°-60° | 208.8 | 4.1 |
| 60°-70° | 173.2 | 3.4 |
| 70°-80° | 121.7 | 2.4 |
| 80°-90° | 71.6 | 1.4 |
| 90°-100° | 407.9 | 7.9 |
| 100°-110° | 794.1 | 15.5 |
| 110°-120° | 704.5 | 13.7 |
| 120°-130° | 587.0 | 11.4 |
| 130°-140° | 484.8 | 9.4 |
| 140°-150° | 367.6 | 7.2 |
| 150°-160° | 257.7 | 5.0 |
| 160°-170° | 151.6 | 2.9 |
| 170°-180° | 49.3 | 1.0 |
| 0°-30° | 328.1 | 6.4 |
| 0°-40° | 537.9 | 10.5 |
| 0°-60° | 968.5 | 18.8 |
| 0°-90° | 1334.9 | 26.0 |
| 90°-120° | 1906.4 | 37.1 |
| 90°-150° | 3345.8 | 65.1 |
| 90°-180° | 3804.0 | 74.0 |
| 0°-180° | 5139.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 423 | 423 | 423 | 423 | 423 | |
| 5° | 423 | 422 | 418 | 422 | 422 | 40 |
| 15° | 406 | 406 | 405 | 409 | 408 | 114 |
| 25° | 371 | 374 | 375 | 380 | 381 | 171 |
| 35° | 325 | 330 | 335 | 341 | 343 | 203 |
| 45° | 271 | 280 | 289 | 296 | 299 | 209 |
| 55° | 212 | 222 | 236 | 245 | 248 | 189 |
| 65° | 147 | 162 | 178 | 189 | 194 | 145 |
| 75° | 81 | 99 | 119 | 132 | 136 | 87 |
| 85° | 25 | 45 | 66 | 80 | 85 | 27 |
| 90° | 9 | 35 | 65 | 80 | 85 | 7 |
| 95° | 39 | 126 | 855 | 456 | 302 | 42 |
| 105° | 121 | 183 | 686 | 1453 | 1452 | 129 |
| 115° | 208 | 266 | 606 | 1154 | 1385 | 207 |
| 125° | 288 | 342 | 594 | 977 | 1101 | 257 |
| 135° | 341 | 406 | 580 | 859 | 977 | 264 |
| 145° | 393 | 449 | 573 | 718 | 790 | 247 |
| 155° | 446 | 482 | 557 | 631 | 658 | 206 |
| 165° | 486 | 501 | 534 | 566 | 574 | 137 |
| 175° | 507 | 508 | 512 | 519 | 517 | 48 |
| 180° | 508 | 508 | 508 | 508 | 508 | |



TEST NUMBER: P332522

CATALOG NUMBER: SA4XXDIP-C350D1035U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 |
| 2.5° | 424.2 | 423.9 | 423.7 | 423.4 | 423.2 | 422.7 | 422.1 | 421.4 | 420.7 | 420.0 | 420.6 |
| 5° | 423.2 | 422.8 | 422.5 | 422.2 | 421.9 | 421.4 | 420.6 | 419.9 | 419.2 | 418.4 | 419.3 |
| 7.5° | 419.6 | 419.4 | 419.2 | 419.0 | 418.8 | 418.4 | 417.8 | 417.2 | 416.6 | 416.0 | 416.9 |
| 10° | 416.5 | 416.4 | 416.3 | 416.2 | 416.1 | 415.8 | 415.3 | 414.7 | 414.2 | 413.7 | 414.6 |
| 12.5° | 412.4 | 412.3 | 412.3 | 412.3 | 412.3 | 412.1 | 411.7 | 411.4 | 411.0 | 410.7 | 411.5 |
| 15° | 405.6 | 405.8 | 405.9 | 406.0 | 406.1 | 406.0 | 405.6 | 405.3 | 405.0 | 404.7 | 405.6 |
| 17.5° | 396.5 | 396.8 | 397.1 | 397.4 | 397.7 | 397.9 | 397.8 | 397.7 | 397.7 | 397.6 | 398.6 |
| 20° | 390.0 | 390.3 | 390.7 | 391.0 | 391.3 | 391.5 | 391.6 | 391.7 | 391.8 | 391.9 | 393.0 |
| 22.5° | 382.8 | 383.2 | 383.6 | 384.0 | 384.4 | 384.7 | 384.9 | 385.1 | 385.3 | 385.5 | 386.5 |
| 25° | 371.1 | 371.7 | 372.4 | 373.0 | 373.6 | 374.1 | 374.4 | 374.7 | 375.0 | 375.4 | 376.5 |
| 27.5° | 358.0 | 359.0 | 359.9 | 360.8 | 361.7 | 362.4 | 362.9 | 363.4 | 363.9 | 364.4 | 365.4 |
| 30° | 349.3 | 350.2 | 351.0 | 351.8 | 352.7 | 353.5 | 354.2 | 354.9 | 355.7 | 356.4 | 357.6 |
| 32.5° | 339.9 | 340.9 | 341.9 | 342.9 | 343.9 | 344.8 | 345.6 | 346.4 | 347.3 | 348.1 | 349.4 |
| 35° | 324.7 | 326.0 | 327.2 | 328.5 | 329.8 | 330.9 | 332.0 | 333.0 | 334.1 | 335.1 | 336.6 |
| 37.5° | 309.5 | 310.9 | 312.4 | 313.8 | 315.3 | 316.6 | 318.0 | 319.3 | 320.6 | 321.9 | 323.4 |
| 40° | 299.6 | 301.0 | 302.4 | 303.7 | 305.1 | 306.5 | 308.0 | 309.5 | 310.9 | 312.4 | 314.0 |
| 42.5° | 288.3 | 289.8 | 291.3 | 292.9 | 294.4 | 296.0 | 297.8 | 299.5 | 301.2 | 302.9 | 304.7 |
| 45° | 270.7 | 272.7 | 274.7 | 276.7 | 278.7 | 280.7 | 282.7 | 284.7 | 286.7 | 288.7 | 290.5 |
| 47.5° | 254.0 | 256.1 | 258.1 | 260.2 | 262.2 | 264.4 | 266.7 | 269.1 | 271.4 | 273.7 | 275.5 |
| 50° | 241.9 | 244.2 | 246.5 | 248.8 | 251.1 | 253.4 | 255.8 | 258.1 | 260.4 | 262.7 | 264.8 |
| 52.5° | 229.8 | 232.1 | 234.4 | 236.7 | 239.0 | 241.5 | 244.1 | 246.8 | 249.4 | 252.1 | 254.2 |
| 55° | 212.1 | 214.3 | 216.5 | 218.7 | 220.9 | 223.6 | 226.7 | 229.9 | 233.0 | 236.2 | 238.3 |
| 57.5° | 192.3 | 195.0 | 197.7 | 200.5 | 203.2 | 206.1 | 209.3 | 212.4 | 215.5 | 218.7 | 221.2 |
| 60° | 179.4 | 182.1 | 184.9 | 187.6 | 190.3 | 193.4 | 196.9 | 200.4 | 203.8 | 207.3 | 209.7 |
| 62.5° | 166.9 | 169.9 | 172.9 | 175.9 | 178.8 | 182.1 | 185.5 | 189.0 | 192.5 | 196.0 | 198.4 |
| 65° | 146.7 | 150.1 | 153.5 | 156.8 | 160.2 | 163.7 | 167.2 | 170.8 | 174.4 | 178.0 | 180.6 |
| 67.5° | 127.3 | 130.9 | 134.5 | 138.1 | 141.6 | 145.3 | 149.2 | 153.0 | 156.8 | 160.6 | 163.3 |
| 70° | 114.1 | 117.6 | 121.2 | 124.8 | 128.4 | 132.2 | 136.2 | 140.2 | 144.2 | 148.2 | 151.0 |
| 72.5° | 101.2 | 104.9 | 108.5 | 112.2 | 115.8 | 119.8 | 124.0 | 128.3 | 132.5 | 136.8 | 139.5 |
| 75° | 81.4 | 85.3 | 89.2 | 93.1 | 97.0 | 101.1 | 105.6 | 110.0 | 114.4 | 118.8 | 121.8 |
| 77.5° | 63.0 | 67.1 | 71.2 | 75.3 | 79.4 | 83.8 | 88.4 | 93.1 | 97.7 | 102.3 | 105.3 |
| 80° | 51.6 | 55.8 | 60.0 | 64.2 | 68.4 | 72.8 | 77.5 | 82.1 | 86.7 | 91.4 | 94.5 |
| 82.5° | 40.2 | 44.6 | 49.0 | 53.4 | 57.7 | 62.2 | 66.9 | 71.5 | 76.1 | 80.8 | 84.0 |
| 85° | 25.1 | 29.5 | 33.9 | 38.3 | 42.8 | 47.3 | 52.1 | 56.8 | 61.5 | 66.3 | 69.4 |
| 87.5° | 14.2 | 18.9 | 23.8 | 28.3 | 32.8 | 37.2 | 43.0 | 47.6 | 52.6 | 57.6 | 60.5 |
| 90° | 8.6 | 14.8 | 22.0 | 27.2 | 32.4 | 36.8 | 47.3 | 51.8 | 58.3 | 64.8 | 66.9 |
| 92.5° | 18.6 | 27.6 | 40.7 | 56.7 | 75.1 | 100.0 | 155.2 | 237.2 | 317.2 | 361.3 | 311.3 |
| 95° | 39.1 | 45.6 | 59.0 | 75.5 | 102.9 | 148.7 | 239.9 | 407.9 | 650.8 | 854.8 | 880.6 |
| 97.5° | 64.7 | 67.7 | 79.2 | 94.2 | 117.8 | 156.5 | 227.7 | 367.1 | 608.6 | 895.2 | 1092.0 |
| 100° | 81.1 | 83.8 | 93.5 | 108.3 | 130.0 | 165.3 | 228.3 | 345.2 | 553.0 | 838.6 | 1097.0 |
| 102.5° | 97.1 | 101.0 | 109.6 | 123.2 | 143.8 | 177.3 | 234.7 | 337.9 | 515.2 | 768.8 | 1035.1 |
| 105° | 121.1 | 126.2 | 133.3 | 147.3 | 167.4 | 199.4 | 251.2 | 337.9 | 481.6 | 686.1 | 923.4 |
| 107.5° | 148.5 | 152.2 | 159.0 | 173.5 | 192.4 | 223.6 | 271.2 | 350.4 | 473.5 | 638.7 | 832.7 |
| 110° | 166.5 | 170.0 | 176.4 | 189.9 | 209.3 | 238.9 | 286.5 | 360.0 | 473.5 | 622.0 | 787.1 |



TEST NUMBER: P332522

CATALOG NUMBER: SA4XXDIP-C350D1035U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 183.7 | 187.0 | 194.1 | 206.6 | 225.9 | 255.2 | 301.1 | 370.5 | 476.6 | 612.9 | 760.4 |
| 115° | 208.5 | 212.4 | 220.4 | 231.3 | 251.2 | 280.3 | 323.6 | 386.9 | 483.1 | 606.3 | 734.4 |
| 117.5° | 234.8 | 238.1 | 244.9 | 256.4 | 274.8 | 304.6 | 345.6 | 403.9 | 490.3 | 602.4 | 721.0 |
| 120° | 251.9 | 254.3 | 261.6 | 272.9 | 290.1 | 319.8 | 360.8 | 415.7 | 495.6 | 600.5 | 713.4 |
| 122.5° | 267.9 | 270.0 | 277.0 | 287.3 | 305.9 | 334.5 | 375.4 | 426.9 | 501.1 | 597.8 | 705.2 |
| 125° | 288.4 | 292.3 | 298.2 | 309.1 | 327.9 | 357.1 | 395.7 | 444.3 | 509.8 | 594.3 | 692.1 |
| 127.5° | 306.9 | 310.0 | 317.1 | 329.5 | 349.2 | 378.3 | 415.1 | 459.2 | 516.1 | 589.2 | 675.0 |
| 130° | 316.9 | 320.8 | 328.7 | 343.5 | 362.4 | 392.1 | 427.8 | 468.4 | 521.0 | 586.5 | 664.3 |
| 132.5° | 327.3 | 330.4 | 340.6 | 354.7 | 375.2 | 403.1 | 438.4 | 477.9 | 525.4 | 584.2 | 654.7 |
| 135° | 341.4 | 345.4 | 355.3 | 372.3 | 393.3 | 419.6 | 453.3 | 490.0 | 531.6 | 580.3 | 639.9 |
| 137.5° | 355.9 | 359.6 | 370.5 | 386.6 | 408.2 | 433.1 | 464.2 | 498.1 | 534.8 | 577.9 | 627.2 |
| 140° | 366.3 | 369.2 | 380.1 | 397.0 | 417.8 | 441.8 | 471.8 | 503.9 | 537.9 | 576.0 | 620.3 |
| 142.5° | 377.1 | 380.1 | 390.3 | 406.4 | 426.6 | 449.7 | 478.8 | 508.3 | 540.5 | 575.2 | 614.6 |
| 145° | 392.8 | 395.7 | 405.6 | 419.4 | 438.3 | 460.2 | 486.2 | 513.1 | 542.1 | 573.0 | 605.6 |
| 147.5° | 410.6 | 411.5 | 420.2 | 434.4 | 450.1 | 469.8 | 494.2 | 517.7 | 543.1 | 569.4 | 597.7 |
| 150° | 421.8 | 422.7 | 430.5 | 442.4 | 457.3 | 476.2 | 498.2 | 520.1 | 543.1 | 567.0 | 592.0 |
| 152.5° | 431.8 | 431.9 | 439.9 | 451.1 | 464.4 | 481.8 | 501.4 | 521.7 | 541.5 | 563.0 | 585.6 |
| 155° | 446.2 | 447.2 | 453.2 | 463.2 | 474.2 | 489.2 | 506.1 | 523.1 | 539.1 | 557.1 | 576.0 |
| 157.5° | 460.4 | 460.4 | 466.0 | 473.8 | 483.4 | 495.2 | 509.5 | 523.1 | 536.5 | 550.9 | 566.2 |
| 160° | 469.2 | 469.2 | 473.2 | 480.2 | 488.2 | 499.2 | 511.1 | 523.1 | 534.1 | 546.1 | 559.1 |
| 162.5° | 477.2 | 476.4 | 479.6 | 485.8 | 493.0 | 501.6 | 512.7 | 523.1 | 531.7 | 541.3 | 552.7 |
| 165° | 486.2 | 486.2 | 488.2 | 493.2 | 498.2 | 504.1 | 513.1 | 521.1 | 527.1 | 534.1 | 542.1 |
| 167.5° | 495.2 | 494.2 | 495.2 | 499.0 | 501.8 | 506.3 | 512.9 | 518.7 | 522.3 | 526.9 | 532.5 |
| 170° | 499.2 | 498.2 | 499.2 | 502.2 | 504.1 | 507.1 | 512.1 | 517.1 | 519.1 | 522.1 | 526.1 |
| 172.5° | 503.1 | 502.2 | 502.3 | 504.5 | 505.7 | 507.9 | 511.3 | 515.5 | 515.9 | 517.3 | 520.5 |
| 175° | 507.1 | 506.1 | 506.1 | 507.1 | 508.1 | 508.1 | 510.1 | 513.1 | 512.1 | 512.1 | 514.1 |
| 177.5° | 508.9 | 508.1 | 507.3 | 508.1 | 508.1 | 508.1 | 508.9 | 510.5 | 508.9 | 508.9 | 509.7 |
| 180° | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 |



TEST NUMBER: P332522

CATALOG NUMBER: SA4XXDIP-C350D1035U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 | 422.7 |
| 2.5° | 421.2 | 421.8 | 422.4 | 422.6 | 422.6 | 422.5 | 422.4 | 422.3 |
| 5° | 420.1 | 420.9 | 421.8 | 422.2 | 422.1 | 421.9 | 421.8 | 421.7 |
| 7.5° | 417.9 | 418.8 | 419.8 | 420.2 | 420.1 | 420.0 | 419.9 | 419.8 |
| 10° | 415.6 | 416.5 | 417.5 | 417.9 | 417.8 | 417.7 | 417.6 | 417.5 |
| 12.5° | 412.4 | 413.3 | 414.1 | 414.5 | 414.5 | 414.5 | 414.5 | 414.4 |
| 15° | 406.6 | 407.5 | 408.5 | 408.9 | 408.8 | 408.7 | 408.6 | 408.5 |
| 17.5° | 399.5 | 400.5 | 401.5 | 401.9 | 401.8 | 401.7 | 401.7 | 401.6 |
| 20° | 394.0 | 395.1 | 396.1 | 396.7 | 396.7 | 396.7 | 396.7 | 396.7 |
| 22.5° | 387.6 | 388.6 | 389.7 | 390.3 | 390.5 | 390.6 | 390.8 | 391.0 |
| 25° | 377.7 | 378.8 | 380.0 | 380.6 | 380.7 | 380.8 | 380.9 | 381.0 |
| 27.5° | 366.5 | 367.6 | 368.7 | 369.3 | 369.4 | 369.5 | 369.6 | 369.8 |
| 30° | 358.7 | 359.9 | 361.0 | 361.7 | 361.9 | 362.2 | 362.4 | 362.6 |
| 32.5° | 350.7 | 352.1 | 353.4 | 354.2 | 354.4 | 354.6 | 354.8 | 355.0 |
| 35° | 338.1 | 339.5 | 341.0 | 341.9 | 342.2 | 342.5 | 342.9 | 343.2 |
| 37.5° | 324.9 | 326.3 | 327.8 | 328.8 | 329.1 | 329.4 | 329.8 | 330.1 |
| 40° | 315.6 | 317.1 | 318.7 | 319.7 | 320.1 | 320.6 | 321.0 | 321.4 |
| 42.5° | 306.4 | 308.2 | 309.9 | 311.0 | 311.3 | 311.6 | 312.0 | 312.3 |
| 45° | 292.3 | 294.1 | 295.9 | 297.0 | 297.6 | 298.1 | 298.6 | 299.1 |
| 47.5° | 277.4 | 279.2 | 281.1 | 282.3 | 283.0 | 283.6 | 284.2 | 284.9 |
| 50° | 266.9 | 269.0 | 271.1 | 272.5 | 273.1 | 273.7 | 274.4 | 275.0 |
| 52.5° | 256.3 | 258.4 | 260.5 | 261.9 | 262.5 | 263.1 | 263.8 | 264.4 |
| 55° | 240.4 | 242.5 | 244.6 | 246.0 | 246.6 | 247.2 | 247.9 | 248.5 |
| 57.5° | 223.7 | 226.2 | 228.7 | 230.2 | 230.8 | 231.4 | 232.0 | 232.6 |
| 60° | 212.2 | 214.6 | 217.0 | 218.6 | 219.5 | 220.3 | 221.2 | 222.0 |
| 62.5° | 200.8 | 203.2 | 205.6 | 207.3 | 208.1 | 208.9 | 209.8 | 210.6 |
| 65° | 183.2 | 185.9 | 188.5 | 190.2 | 191.1 | 191.9 | 192.8 | 193.6 |
| 67.5° | 166.0 | 168.7 | 171.3 | 173.1 | 173.9 | 174.7 | 175.5 | 176.4 |
| 70° | 153.8 | 156.7 | 159.5 | 161.3 | 162.0 | 162.8 | 163.5 | 164.2 |
| 72.5° | 142.3 | 145.1 | 147.8 | 149.6 | 150.4 | 151.2 | 152.1 | 152.9 |
| 75° | 124.7 | 127.6 | 130.6 | 132.5 | 133.5 | 134.4 | 135.4 | 136.3 |
| 77.5° | 108.3 | 111.3 | 114.3 | 116.3 | 117.3 | 118.3 | 119.3 | 120.3 |
| 80° | 97.7 | 100.8 | 104.0 | 106.0 | 106.8 | 107.7 | 108.5 | 109.3 |
| 82.5° | 87.2 | 90.5 | 93.7 | 95.8 | 96.7 | 97.6 | 98.6 | 99.5 |
| 85° | 72.6 | 75.7 | 78.9 | 81.0 | 82.0 | 83.1 | 84.1 | 85.2 |
| 87.5° | 63.7 | 67.0 | 70.2 | 72.2 | 73.4 | 74.5 | 75.2 | 76.1 |
| 90° | 70.9 | 75.0 | 79.0 | 81.0 | 82.8 | 84.7 | 84.5 | 85.3 |
| 92.5° | 246.6 | 201.0 | 173.9 | 155.8 | 144.9 | 140.3 | 137.8 | 138.6 |
| 95° | 786.6 | 634.7 | 503.8 | 408.8 | 360.9 | 330.9 | 313.8 | 301.8 |
| 97.5° | 1136.7 | 1082.0 | 987.1 | 884.7 | 813.9 | 754.7 | 725.7 | 705.8 |
| 100° | 1245.6 | 1268.4 | 1222.3 | 1150.3 | 1064.1 | 1004.0 | 974.8 | 967.5 |
| 102.5° | 1238.0 | 1339.8 | 1356.7 | 1327.7 | 1275.2 | 1231.9 | 1201.2 | 1195.6 |
| 105° | 1154.6 | 1329.9 | 1431.4 | 1474.1 | 1476.9 | 1469.8 | 1456.6 | 1451.5 |
| 107.5° | 1037.8 | 1224.2 | 1366.0 | 1456.7 | 1506.8 | 1530.3 | 1541.1 | 1544.4 |
| 110° | 967.2 | 1142.4 | 1289.5 | 1401.0 | 1472.7 | 1515.5 | 1534.3 | 1544.1 |



TEST NUMBER: P332522

CATALOG NUMBER: SA4XXDIP-C350D1035U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 914.9 | 1069.9 | 1209.0 | 1320.4 | 1401.7 | 1453.3 | 1479.3 | 1494.7 |
| 115° | 861.5 | 986.6 | 1105.7 | 1203.0 | 1282.7 | 1343.3 | 1376.0 | 1384.7 |
| 117.5° | 833.6 | 937.4 | 1031.5 | 1114.2 | 1182.4 | 1233.5 | 1266.7 | 1273.7 |
| 120° | 820.4 | 915.3 | 997.3 | 1069.6 | 1127.4 | 1172.1 | 1198.9 | 1210.8 |
| 122.5° | 808.9 | 900.6 | 975.4 | 1038.9 | 1087.8 | 1126.1 | 1148.8 | 1160.6 |
| 125° | 789.9 | 877.8 | 948.7 | 1004.9 | 1045.5 | 1075.0 | 1094.6 | 1101.3 |
| 127.5° | 766.9 | 850.9 | 921.5 | 974.9 | 1015.7 | 1042.2 | 1058.9 | 1065.6 |
| 130° | 749.1 | 829.8 | 899.6 | 953.8 | 995.3 | 1020.9 | 1037.5 | 1044.1 |
| 132.5° | 730.6 | 806.5 | 874.6 | 928.7 | 969.5 | 998.3 | 1014.1 | 1020.7 |
| 135° | 704.4 | 771.0 | 833.6 | 884.7 | 925.2 | 953.8 | 970.4 | 977.0 |
| 137.5° | 681.0 | 737.5 | 790.3 | 836.5 | 874.3 | 902.4 | 916.1 | 923.8 |
| 140° | 667.6 | 715.8 | 762.1 | 805.0 | 840.5 | 863.0 | 877.5 | 886.0 |
| 142.5° | 655.3 | 697.8 | 737.5 | 774.7 | 806.1 | 826.9 | 839.7 | 845.8 |
| 145° | 638.2 | 672.8 | 703.3 | 731.8 | 757.2 | 774.6 | 785.0 | 790.4 |
| 147.5° | 624.1 | 651.2 | 675.2 | 697.4 | 716.1 | 731.0 | 738.9 | 741.0 |
| 150° | 616.0 | 638.9 | 658.9 | 676.9 | 692.8 | 705.8 | 711.8 | 712.8 |
| 152.5° | 607.2 | 626.9 | 645.3 | 660.1 | 673.7 | 684.2 | 687.8 | 688.8 |
| 155° | 594.0 | 610.0 | 624.9 | 636.9 | 646.9 | 654.9 | 657.9 | 657.9 |
| 157.5° | 579.8 | 593.2 | 605.8 | 615.4 | 622.9 | 628.9 | 630.7 | 630.7 |
| 160° | 571.0 | 582.0 | 593.0 | 601.0 | 607.0 | 613.0 | 614.0 | 614.0 |
| 162.5° | 562.2 | 571.6 | 580.2 | 587.4 | 591.8 | 597.8 | 598.8 | 598.0 |
| 165° | 550.1 | 556.1 | 563.0 | 568.0 | 572.0 | 576.0 | 575.0 | 574.0 |
| 167.5° | 538.3 | 542.9 | 548.5 | 551.5 | 553.5 | 556.1 | 555.9 | 555.1 |
| 170° | 531.1 | 534.1 | 538.1 | 541.1 | 543.1 | 544.1 | 543.1 | 543.1 |
| 172.5° | 524.7 | 526.9 | 529.3 | 531.5 | 532.7 | 533.7 | 532.7 | 531.1 |
| 175° | 516.1 | 517.1 | 519.1 | 519.1 | 519.1 | 521.1 | 519.1 | 517.1 |
| 177.5° | 510.5 | 511.3 | 511.3 | 512.1 | 511.3 | 512.1 | 510.5 | 508.9 |
| 180° | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 |

(END OF REPORT)