

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: P332887-927

Luminaire Tested: **SA4XXRDIP-C350D1035U927-4F0-1E-UDD-F1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332887-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C350D1035U927-4F0-1E-UDD-F1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

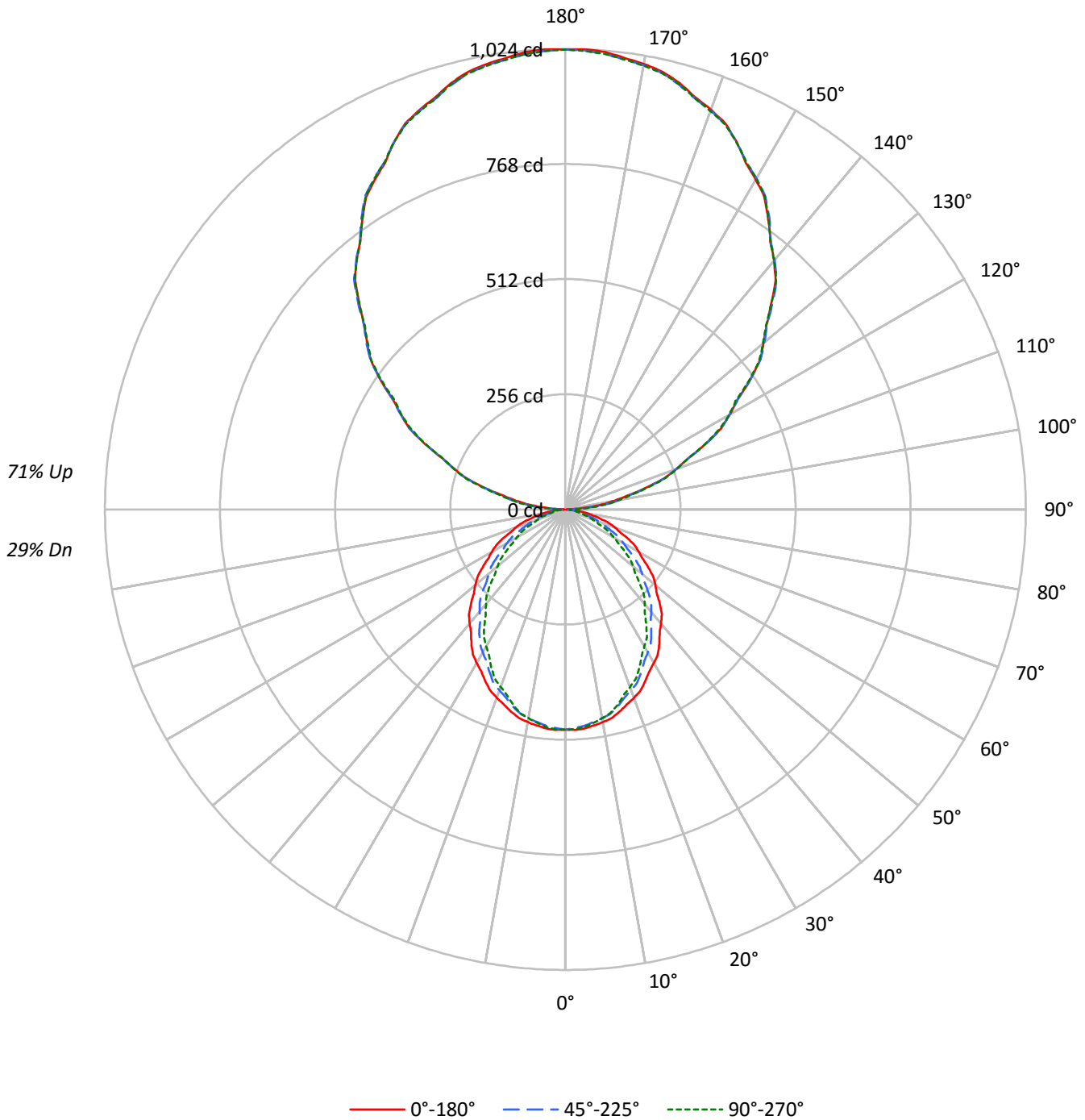
Lumens per Lamp: N/A
Luminaire Lumens: 3971.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 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: P332887-927
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Luminous Intensity Polar Plot





TEST NUMBER: P332887-927

CATALOG NUMBER: SA4XXRDIP-C350D1035U927-4F0-1E-UDD-F1

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 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 53 | 53 | 53 | 36 | 36 | 36 | 29 |
| 1 | 93 | 89 | 85 | 82 | 83 | 80 | 77 | 74 | 63 | 61 | 59 | 47 | 46 | 44 | 32 | 32 | 31 | 24 |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 65 | 61 | 55 | 52 | 49 | 41 | 39 | 37 | 29 | 27 | 26 | 21 |
| 3 | 77 | 68 | 62 | 56 | 69 | 62 | 56 | 51 | 49 | 45 | 41 | 37 | 34 | 32 | 26 | 24 | 23 | 18 |
| 4 | 71 | 61 | 53 | 47 | 63 | 55 | 48 | 43 | 43 | 39 | 35 | 33 | 30 | 27 | 23 | 21 | 19 | 15 |
| 5 | 65 | 54 | 46 | 40 | 58 | 49 | 42 | 37 | 39 | 34 | 30 | 29 | 26 | 24 | 21 | 19 | 17 | 13 |
| 6 | 60 | 48 | 40 | 35 | 53 | 44 | 37 | 32 | 35 | 30 | 26 | 26 | 23 | 21 | 19 | 17 | 15 | 12 |
| 7 | 55 | 43 | 36 | 30 | 49 | 39 | 33 | 28 | 31 | 27 | 23 | 24 | 21 | 18 | 17 | 15 | 13 | 10 |
| 8 | 51 | 39 | 32 | 27 | 46 | 36 | 29 | 25 | 29 | 24 | 20 | 22 | 19 | 16 | 16 | 14 | 12 | 9 |
| 9 | 48 | 36 | 29 | 24 | 43 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 14 | 14 | 12 | 11 | 9 |
| 10 | 44 | 33 | 26 | 21 | 40 | 30 | 24 | 20 | 24 | 19 | 16 | 19 | 15 | 13 | 13 | 11 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3953 | 3953 | 3953 |
| 5° | 3962 | 3914 | 3938 |
| 10° | 3937 | 3867 | 3867 |
| 15° | 3892 | 3786 | 3758 |
| 20° | 3830 | 3679 | 3611 |
| 25° | 3751 | 3553 | 3463 |
| 30° | 3674 | 3422 | 3278 |
| 35° | 3588 | 3286 | 3094 |
| 40° | 3485 | 3130 | 2893 |
| 45° | 3391 | 2975 | 2689 |
| 50° | 3282 | 2798 | 2473 |
| 55° | 3167 | 2612 | 2238 |
| 60° | 3039 | 2409 | 1997 |
| 65° | 2923 | 2157 | 1761 |
| 70° | 2752 | 1876 | 1496 |
| 75° | 2539 | 1556 | 1216 |
| 80° | 2213 | 1186 | 1116 |
| 85° | 1880 | 1074 | 1010 |



TEST NUMBER: P332887-927

CATALOG NUMBER: SA4XXRDIP-C350D1035U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 46.0 | 1.2 |
| 10°-20° | 128.3 | 3.2 |
| 20°-30° | 185.2 | 4.7 |
| 30°-40° | 210.0 | 5.3 |
| 40°-50° | 202.8 | 5.1 |
| 50°-60° | 168.6 | 4.2 |
| 60°-70° | 116.4 | 2.9 |
| 70°-80° | 59.0 | 1.5 |
| 80°-90° | 18.2 | 0.5 |
| 90°-100° | 67.4 | 1.7 |
| 100°-110° | 199.8 | 5.0 |
| 110°-120° | 339.1 | 8.5 |
| 120°-130° | 447.1 | 11.3 |
| 130°-140° | 502.1 | 12.6 |
| 140°-150° | 493.4 | 12.4 |
| 150°-160° | 415.0 | 10.4 |
| 160°-170° | 276.1 | 7.0 |
| 170°-180° | 96.7 | 2.4 |
| 0°-30° | 359.5 | 9.1 |
| 0°-40° | 569.5 | 14.3 |
| 0°-60° | 940.8 | 23.7 |
| 0°-90° | 1134.5 | 28.6 |
| 90°-120° | 606.3 | 15.3 |
| 90°-150° | 2048.8 | 51.6 |
| 90°-180° | 2837.0 | 71.4 |
| 0°-180° | 3971.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 490 | 490 | 490 | 490 | 490 | |
| 5° | 489 | 487 | 483 | 486 | 486 | 46 |
| 15° | 466 | 462 | 453 | 452 | 450 | 131 |
| 25° | 421 | 414 | 399 | 393 | 389 | 194 |
| 35° | 364 | 352 | 333 | 321 | 314 | 227 |
| 45° | 297 | 283 | 261 | 243 | 236 | 229 |
| 55° | 225 | 209 | 186 | 167 | 159 | 201 |
| 65° | 153 | 136 | 113 | 97 | 92 | 151 |
| 75° | 81 | 67 | 50 | 42 | 39 | 86 |
| 85° | 20 | 13 | 12 | 11 | 11 | 23 |
| 90° | 2 | 11 | 17 | 22 | 24 | 4 |
| 95° | 48 | 54 | 60 | 62 | 62 | 53 |
| 105° | 184 | 185 | 188 | 191 | 193 | 196 |
| 115° | 345 | 345 | 343 | 342 | 342 | 340 |
| 125° | 502 | 502 | 501 | 500 | 498 | 447 |
| 135° | 648 | 652 | 652 | 651 | 648 | 501 |
| 145° | 787 | 790 | 791 | 790 | 788 | 492 |
| 155° | 901 | 901 | 901 | 903 | 901 | 415 |
| 165° | 981 | 979 | 977 | 982 | 979 | 276 |
| 175° | 1021 | 1017 | 1016 | 1021 | 1016 | 97 |
| 180° | 1022 | 1022 | 1022 | 1022 | 1022 | |



TEST NUMBER: P332887-927

CATALOG NUMBER: SA4XXRDIP-C350D1035U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 |
| 2.5° | 490.9 | 490.6 | 490.4 | 490.1 | 489.8 | 489.3 | 488.6 | 487.9 | 487.1 | 486.4 | 487.1 |
| 5° | 488.9 | 488.6 | 488.3 | 488.0 | 487.6 | 487.0 | 485.9 | 485.0 | 483.9 | 483.0 | 483.8 |
| 7.5° | 484.5 | 484.2 | 483.9 | 483.5 | 483.2 | 482.3 | 481.0 | 479.7 | 478.4 | 477.1 | 477.6 |
| 10° | 480.3 | 479.9 | 479.5 | 479.1 | 478.6 | 477.7 | 476.2 | 474.7 | 473.2 | 471.7 | 472.1 |
| 12.5° | 474.9 | 474.4 | 474.0 | 473.5 | 473.0 | 471.9 | 470.1 | 468.3 | 466.6 | 464.8 | 465.0 |
| 15° | 465.7 | 464.9 | 464.2 | 463.4 | 462.7 | 461.3 | 459.2 | 457.1 | 455.0 | 453.0 | 452.8 |
| 17.5° | 454.6 | 453.4 | 452.3 | 451.3 | 450.2 | 448.4 | 445.9 | 443.4 | 440.9 | 438.4 | 437.9 |
| 20° | 445.8 | 444.7 | 443.7 | 442.6 | 441.5 | 439.6 | 436.7 | 433.9 | 431.0 | 428.2 | 427.5 |
| 22.5° | 436.3 | 435.0 | 433.8 | 432.6 | 431.3 | 429.2 | 426.2 | 423.2 | 420.2 | 417.1 | 416.1 |
| 25° | 421.1 | 419.6 | 418.1 | 416.6 | 415.1 | 412.6 | 409.2 | 405.8 | 402.3 | 398.9 | 397.5 |
| 27.5° | 405.2 | 403.3 | 401.4 | 399.6 | 397.7 | 394.9 | 391.3 | 387.6 | 384.0 | 380.3 | 378.5 |
| 30° | 394.1 | 392.0 | 389.9 | 387.9 | 385.8 | 382.8 | 378.8 | 374.9 | 371.0 | 367.1 | 365.0 |
| 32.5° | 382.4 | 380.0 | 377.7 | 375.3 | 373.0 | 369.8 | 365.8 | 361.7 | 357.7 | 353.6 | 351.2 |
| 35° | 364.1 | 361.4 | 358.8 | 356.1 | 353.4 | 350.0 | 345.9 | 341.7 | 337.5 | 333.4 | 330.5 |
| 37.5° | 344.5 | 341.7 | 339.1 | 336.3 | 333.5 | 329.9 | 325.2 | 320.6 | 316.0 | 311.4 | 308.2 |
| 40° | 330.7 | 328.0 | 325.2 | 322.5 | 319.7 | 316.0 | 311.2 | 306.5 | 301.7 | 297.0 | 293.5 |
| 42.5° | 317.5 | 314.7 | 311.7 | 308.9 | 306.0 | 302.1 | 297.1 | 292.2 | 287.2 | 282.3 | 278.7 |
| 45° | 297.0 | 293.9 | 290.8 | 287.7 | 284.6 | 280.6 | 275.6 | 270.6 | 265.6 | 260.6 | 256.5 |
| 47.5° | 275.8 | 272.6 | 269.4 | 266.2 | 263.0 | 258.8 | 253.7 | 248.4 | 243.2 | 238.1 | 233.8 |
| 50° | 261.3 | 258.1 | 254.8 | 251.6 | 248.3 | 244.1 | 238.8 | 233.4 | 228.1 | 222.8 | 218.6 |
| 52.5° | 246.7 | 243.4 | 240.3 | 237.1 | 233.9 | 229.6 | 224.1 | 218.6 | 213.2 | 207.7 | 203.5 |
| 55° | 225.0 | 221.7 | 218.3 | 215.0 | 211.7 | 207.2 | 201.8 | 196.5 | 191.0 | 185.6 | 181.3 |
| 57.5° | 203.5 | 200.0 | 196.6 | 193.1 | 189.6 | 185.3 | 179.9 | 174.6 | 169.3 | 163.9 | 159.5 |
| 60° | 188.2 | 184.9 | 181.6 | 178.2 | 174.9 | 170.6 | 165.2 | 159.9 | 154.6 | 149.2 | 144.9 |
| 62.5° | 174.4 | 171.0 | 167.5 | 164.1 | 160.6 | 156.1 | 150.7 | 145.2 | 139.7 | 134.3 | 130.2 |
| 65° | 153.0 | 149.4 | 145.8 | 142.3 | 138.6 | 134.2 | 128.9 | 123.5 | 118.2 | 112.9 | 109.3 |
| 67.5° | 130.7 | 127.3 | 123.8 | 120.4 | 117.0 | 112.8 | 107.8 | 102.9 | 97.9 | 93.0 | 89.9 |
| 70° | 116.6 | 113.1 | 109.6 | 106.2 | 102.6 | 98.5 | 93.7 | 89.0 | 84.2 | 79.5 | 76.8 |
| 72.5° | 101.6 | 98.5 | 95.3 | 92.1 | 89.0 | 85.2 | 80.6 | 76.1 | 71.7 | 67.2 | 64.9 |
| 75° | 81.4 | 78.3 | 75.2 | 72.1 | 69.0 | 65.5 | 61.6 | 57.7 | 53.8 | 49.9 | 47.9 |
| 77.5° | 60.8 | 58.2 | 55.6 | 53.0 | 50.4 | 47.5 | 44.3 | 41.1 | 37.9 | 34.8 | 33.7 |
| 80° | 47.6 | 45.2 | 42.8 | 40.4 | 37.9 | 35.5 | 33.0 | 30.5 | 28.0 | 25.5 | 25.3 |
| 82.5° | 36.2 | 34.0 | 31.8 | 29.5 | 27.3 | 25.5 | 24.1 | 22.7 | 21.2 | 19.8 | 19.6 |
| 85° | 20.3 | 18.6 | 17.0 | 15.2 | 13.5 | 12.6 | 12.4 | 12.1 | 11.9 | 11.6 | 11.5 |
| 87.5° | 7.4 | 7.2 | 7.1 | 7.0 | 6.8 | 6.8 | 7.1 | 7.3 | 7.4 | 7.7 | 7.8 |
| 90° | 2.4 | 4.3 | 6.3 | 8.2 | 10.1 | 11.8 | 13.2 | 14.6 | 16.0 | 17.4 | 18.5 |
| 92.5° | 17.0 | 19.2 | 21.3 | 23.5 | 25.7 | 27.4 | 28.4 | 29.3 | 30.3 | 31.3 | 31.9 |
| 95° | 47.5 | 49.0 | 50.6 | 52.2 | 53.8 | 55.1 | 56.4 | 57.7 | 58.9 | 60.1 | 60.6 |
| 97.5° | 82.9 | 84.1 | 85.4 | 86.7 | 87.9 | 89.3 | 90.7 | 92.1 | 93.6 | 95.1 | 95.7 |
| 100° | 110.7 | 111.4 | 112.1 | 112.8 | 113.5 | 114.6 | 116.2 | 117.8 | 119.4 | 121.0 | 121.4 |
| 102.5° | 139.8 | 140.1 | 140.4 | 140.6 | 140.9 | 141.8 | 143.2 | 144.7 | 146.1 | 147.6 | 148.1 |
| 105° | 184.3 | 184.4 | 184.6 | 184.7 | 185.0 | 185.4 | 186.1 | 186.8 | 187.5 | 188.2 | 188.7 |
| 107.5° | 230.9 | 231.1 | 231.3 | 231.6 | 231.7 | 231.9 | 232.0 | 232.1 | 232.2 | 232.3 | 232.8 |
| 110° | 262.5 | 262.8 | 263.2 | 263.6 | 264.0 | 264.0 | 263.8 | 263.6 | 263.5 | 263.3 | 262.9 |



TEST NUMBER: P332887-927

CATALOG NUMBER: SA4XXRDIP-C350D1035U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 295.4 | 295.5 | 295.6 | 295.6 | 295.7 | 295.6 | 295.2 | 294.9 | 294.6 | 294.3 | 294.2 |
| 115° | 344.8 | 344.8 | 344.8 | 344.8 | 344.8 | 344.6 | 344.2 | 343.9 | 343.5 | 343.2 | 343.0 |
| 117.5° | 391.3 | 391.4 | 391.5 | 391.7 | 391.8 | 391.7 | 391.5 | 391.3 | 391.0 | 390.8 | 390.1 |
| 120° | 422.2 | 422.9 | 423.7 | 424.4 | 425.1 | 425.2 | 424.6 | 424.1 | 423.6 | 423.0 | 422.2 |
| 122.5° | 454.5 | 454.8 | 455.0 | 455.3 | 455.6 | 455.7 | 455.4 | 455.1 | 454.9 | 454.6 | 454.1 |
| 125° | 502.1 | 502.1 | 502.1 | 502.1 | 502.1 | 502.0 | 501.8 | 501.7 | 501.5 | 501.3 | 501.0 |
| 127.5° | 545.3 | 545.8 | 546.3 | 546.8 | 547.4 | 547.5 | 547.2 | 546.9 | 546.7 | 546.4 | 546.1 |
| 130° | 575.6 | 576.2 | 576.7 | 577.2 | 577.7 | 578.0 | 578.0 | 578.0 | 578.0 | 578.0 | 577.7 |
| 132.5° | 606.7 | 607.0 | 607.4 | 607.8 | 608.2 | 608.3 | 608.2 | 608.0 | 607.8 | 607.8 | 607.4 |
| 135° | 647.6 | 648.6 | 649.7 | 650.8 | 651.8 | 652.4 | 652.4 | 652.4 | 652.4 | 652.4 | 652.0 |
| 137.5° | 692.2 | 692.7 | 693.2 | 693.6 | 694.2 | 694.5 | 694.8 | 695.1 | 695.4 | 695.7 | 695.2 |
| 140° | 721.9 | 722.2 | 722.6 | 722.9 | 723.3 | 723.5 | 723.5 | 723.5 | 723.5 | 723.5 | 723.3 |
| 142.5° | 749.1 | 749.5 | 749.8 | 750.2 | 750.5 | 750.6 | 750.5 | 750.4 | 750.2 | 750.0 | 750.0 |
| 145° | 786.7 | 787.4 | 788.1 | 788.9 | 789.6 | 790.0 | 790.2 | 790.4 | 790.5 | 790.7 | 790.5 |
| 147.5° | 824.1 | 824.9 | 825.8 | 826.6 | 827.4 | 827.8 | 827.7 | 827.5 | 827.4 | 827.3 | 827.1 |
| 150° | 846.8 | 847.6 | 848.3 | 849.0 | 849.7 | 850.0 | 850.0 | 850.0 | 850.0 | 850.0 | 850.0 |
| 152.5° | 868.4 | 868.8 | 869.2 | 869.7 | 870.1 | 870.3 | 870.4 | 870.6 | 870.8 | 870.8 | 871.3 |
| 155° | 901.4 | 901.4 | 901.4 | 901.4 | 901.4 | 901.3 | 901.1 | 900.9 | 900.8 | 900.6 | 901.3 |
| 157.5° | 929.2 | 928.9 | 928.6 | 928.3 | 928.0 | 927.8 | 927.7 | 927.7 | 927.7 | 927.6 | 928.2 |
| 160° | 945.7 | 945.5 | 945.3 | 945.2 | 945.0 | 944.8 | 944.6 | 944.4 | 944.3 | 944.1 | 944.6 |
| 162.5° | 960.8 | 960.4 | 960.0 | 959.5 | 959.0 | 958.7 | 958.5 | 958.4 | 958.2 | 958.0 | 958.9 |
| 165° | 981.3 | 980.7 | 980.2 | 979.7 | 979.1 | 978.7 | 978.3 | 978.0 | 977.6 | 977.3 | 978.3 |
| 167.5° | 997.0 | 996.2 | 995.5 | 994.7 | 994.0 | 993.6 | 993.6 | 993.7 | 993.7 | 993.8 | 994.8 |
| 170° | 1005.8 | 1004.9 | 1004.0 | 1003.1 | 1002.3 | 1001.9 | 1002.1 | 1002.3 | 1002.4 | 1002.6 | 1003.7 |
| 172.5° | 1012.1 | 1011.4 | 1010.7 | 1009.9 | 1009.2 | 1008.8 | 1008.8 | 1008.8 | 1008.9 | 1008.9 | 1010.1 |
| 175° | 1020.8 | 1019.9 | 1019.1 | 1018.2 | 1017.3 | 1016.8 | 1016.6 | 1016.4 | 1016.2 | 1016.1 | 1017.3 |
| 177.5° | 1023.7 | 1022.9 | 1022.2 | 1021.5 | 1020.8 | 1020.5 | 1020.5 | 1020.5 | 1020.5 | 1020.5 | 1021.4 |
| 180° | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 |



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CATALOG NUMBER: SA4XXRDIP-C350D1035U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 |
| 2.5° | 487.9 | 488.6 | 489.3 | 489.6 | 489.6 | 489.6 | 489.5 | 489.4 |
| 5° | 484.7 | 485.4 | 486.3 | 486.6 | 486.5 | 486.3 | 486.1 | 485.9 |
| 7.5° | 478.2 | 478.7 | 479.3 | 479.3 | 479.1 | 478.9 | 478.6 | 478.3 |
| 10° | 472.4 | 472.7 | 473.0 | 473.0 | 472.7 | 472.4 | 472.1 | 471.7 |
| 12.5° | 465.2 | 465.4 | 465.6 | 465.5 | 465.0 | 464.5 | 464.1 | 463.6 |
| 15° | 452.7 | 452.5 | 452.3 | 451.9 | 451.3 | 450.8 | 450.2 | 449.6 |
| 17.5° | 437.4 | 437.0 | 436.6 | 435.9 | 435.0 | 434.1 | 433.2 | 432.4 |
| 20° | 426.9 | 426.2 | 425.6 | 424.7 | 423.6 | 422.5 | 421.4 | 420.3 |
| 22.5° | 415.1 | 414.1 | 413.1 | 412.2 | 411.3 | 410.4 | 409.6 | 408.6 |
| 25° | 396.1 | 394.7 | 393.3 | 392.2 | 391.3 | 390.5 | 389.7 | 388.8 |
| 27.5° | 376.8 | 375.0 | 373.3 | 371.9 | 370.6 | 369.4 | 368.2 | 367.0 |
| 30° | 362.9 | 360.8 | 358.8 | 357.0 | 355.7 | 354.4 | 353.1 | 351.7 |
| 32.5° | 348.8 | 346.3 | 344.0 | 342.1 | 340.8 | 339.5 | 338.3 | 337.0 |
| 35° | 327.6 | 324.9 | 322.0 | 319.9 | 318.4 | 316.9 | 315.4 | 313.9 |
| 37.5° | 305.1 | 301.9 | 298.7 | 296.4 | 294.9 | 293.3 | 291.8 | 290.3 |
| 40° | 289.9 | 286.5 | 283.0 | 280.5 | 279.0 | 277.5 | 276.0 | 274.5 |
| 42.5° | 275.1 | 271.6 | 268.0 | 265.5 | 263.9 | 262.3 | 260.7 | 259.2 |
| 45° | 252.5 | 248.3 | 244.2 | 241.5 | 240.0 | 238.4 | 236.9 | 235.5 |
| 47.5° | 229.6 | 225.3 | 221.1 | 218.2 | 216.5 | 214.8 | 213.2 | 211.6 |
| 50° | 214.4 | 210.2 | 206.0 | 203.2 | 201.6 | 200.0 | 198.4 | 196.9 |
| 52.5° | 199.2 | 195.0 | 190.8 | 187.8 | 186.2 | 184.6 | 182.9 | 181.3 |
| 55° | 177.0 | 172.6 | 168.3 | 165.3 | 163.7 | 162.2 | 160.6 | 159.0 |
| 57.5° | 155.1 | 150.8 | 146.3 | 143.5 | 142.4 | 141.2 | 139.9 | 138.7 |
| 60° | 140.5 | 136.3 | 131.9 | 129.0 | 127.7 | 126.4 | 125.1 | 123.7 |
| 62.5° | 126.3 | 122.2 | 118.3 | 115.7 | 114.6 | 113.6 | 112.5 | 111.5 |
| 65° | 105.7 | 102.1 | 98.5 | 96.3 | 95.2 | 94.3 | 93.2 | 92.2 |
| 67.5° | 86.8 | 83.7 | 80.6 | 78.6 | 77.5 | 76.4 | 75.3 | 74.1 |
| 70° | 74.0 | 71.2 | 68.5 | 66.7 | 65.8 | 65.0 | 64.2 | 63.4 |
| 72.5° | 62.5 | 60.1 | 57.8 | 56.2 | 55.5 | 54.7 | 53.9 | 53.2 |
| 75° | 46.0 | 44.1 | 42.2 | 41.0 | 40.5 | 40.0 | 39.5 | 39.0 |
| 77.5° | 32.6 | 31.4 | 30.3 | 29.7 | 29.5 | 29.4 | 29.2 | 29.1 |
| 80° | 25.0 | 24.7 | 24.5 | 24.3 | 24.2 | 24.2 | 24.1 | 24.0 |
| 82.5° | 19.4 | 19.3 | 19.1 | 18.9 | 18.9 | 18.8 | 18.7 | 18.6 |
| 85° | 11.3 | 11.1 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 |
| 87.5° | 8.0 | 8.1 | 8.2 | 8.4 | 8.6 | 8.6 | 8.8 | 9.0 |
| 90° | 19.5 | 20.6 | 21.6 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 |
| 92.5° | 32.6 | 33.2 | 33.8 | 34.3 | 34.5 | 34.7 | 34.9 | 35.1 |
| 95° | 61.2 | 61.7 | 62.2 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 97.5° | 96.3 | 97.0 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| 100° | 121.7 | 122.0 | 122.4 | 122.6 | 122.6 | 122.6 | 122.6 | 122.6 |
| 102.5° | 148.5 | 149.0 | 149.5 | 149.8 | 150.0 | 150.1 | 150.3 | 150.4 |
| 105° | 189.3 | 189.8 | 190.3 | 190.8 | 191.3 | 191.9 | 192.4 | 192.9 |
| 107.5° | 233.3 | 233.8 | 234.2 | 234.5 | 234.5 | 234.4 | 234.4 | 234.3 |
| 110° | 262.6 | 262.2 | 261.9 | 262.0 | 262.5 | 263.0 | 263.6 | 264.1 |



TEST NUMBER: P332887-927

CATALOG NUMBER: SA4XXRDIP-C350D1035U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 294.1 | 294.1 | 294.1 | 294.1 | 294.1 | 294.2 | 294.4 | 294.5 |
| 115° | 342.8 | 342.6 | 342.5 | 342.3 | 342.1 | 341.9 | 341.7 | 341.6 |
| 117.5° | 389.6 | 389.0 | 388.4 | 387.9 | 387.5 | 387.2 | 386.8 | 386.5 |
| 120° | 421.3 | 420.4 | 419.5 | 419.2 | 419.6 | 419.9 | 420.3 | 420.6 |
| 122.5° | 453.4 | 452.9 | 452.3 | 451.6 | 451.0 | 450.4 | 449.7 | 449.1 |
| 125° | 500.6 | 500.3 | 499.9 | 499.6 | 499.2 | 498.8 | 498.5 | 498.1 |
| 127.5° | 545.7 | 545.3 | 544.9 | 544.6 | 544.4 | 544.1 | 543.8 | 543.5 |
| 130° | 577.3 | 576.9 | 576.6 | 576.1 | 575.4 | 574.6 | 573.9 | 573.2 |
| 132.5° | 607.0 | 606.7 | 606.3 | 606.0 | 605.7 | 605.5 | 605.1 | 604.9 |
| 135° | 651.6 | 651.3 | 650.9 | 650.5 | 650.0 | 649.4 | 648.9 | 648.4 |
| 137.5° | 694.7 | 694.3 | 693.9 | 693.6 | 693.8 | 693.9 | 694.0 | 694.1 |
| 140° | 723.2 | 722.9 | 722.8 | 722.6 | 722.5 | 722.2 | 722.1 | 721.9 |
| 142.5° | 750.0 | 750.0 | 750.0 | 749.9 | 749.9 | 749.8 | 749.8 | 749.7 |
| 145° | 790.4 | 790.2 | 790.0 | 789.6 | 789.1 | 788.6 | 788.1 | 787.5 |
| 147.5° | 827.0 | 826.8 | 826.6 | 826.5 | 826.3 | 826.2 | 826.0 | 825.9 |
| 150° | 850.0 | 850.0 | 850.0 | 849.9 | 849.8 | 849.5 | 849.4 | 849.2 |
| 152.5° | 871.7 | 872.1 | 872.6 | 872.6 | 872.1 | 871.6 | 871.2 | 870.7 |
| 155° | 902.1 | 902.7 | 903.4 | 903.4 | 902.7 | 902.1 | 901.3 | 900.6 |
| 157.5° | 928.7 | 929.2 | 929.8 | 929.7 | 929.2 | 928.5 | 928.0 | 927.3 |
| 160° | 945.2 | 945.7 | 946.2 | 946.0 | 945.2 | 944.3 | 943.4 | 942.5 |
| 162.5° | 959.9 | 960.8 | 961.8 | 961.9 | 961.0 | 960.1 | 959.3 | 958.3 |
| 165° | 979.5 | 980.5 | 981.5 | 981.7 | 981.0 | 980.3 | 979.6 | 978.9 |
| 167.5° | 995.9 | 997.0 | 998.0 | 998.0 | 996.9 | 995.8 | 994.7 | 993.6 |
| 170° | 1004.7 | 1005.8 | 1006.9 | 1006.7 | 1005.5 | 1004.2 | 1003.1 | 1001.8 |
| 172.5° | 1011.3 | 1012.5 | 1013.8 | 1013.7 | 1012.5 | 1011.2 | 1010.0 | 1008.8 |
| 175° | 1018.5 | 1019.8 | 1021.0 | 1021.0 | 1019.8 | 1018.5 | 1017.3 | 1016.1 |
| 177.5° | 1022.5 | 1023.4 | 1024.5 | 1024.4 | 1023.3 | 1022.1 | 1021.0 | 1019.9 |
| 180° | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 | 1022.4 |

(END OF REPORT)