

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: P332515-927

Luminaire Tested: **SA4XXDIP-C350D810U927-4F0-1E-UDD-F1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332515-927
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: SA4XXDIP-C350D810U927-4F0-1E-UDD-F1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3425.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

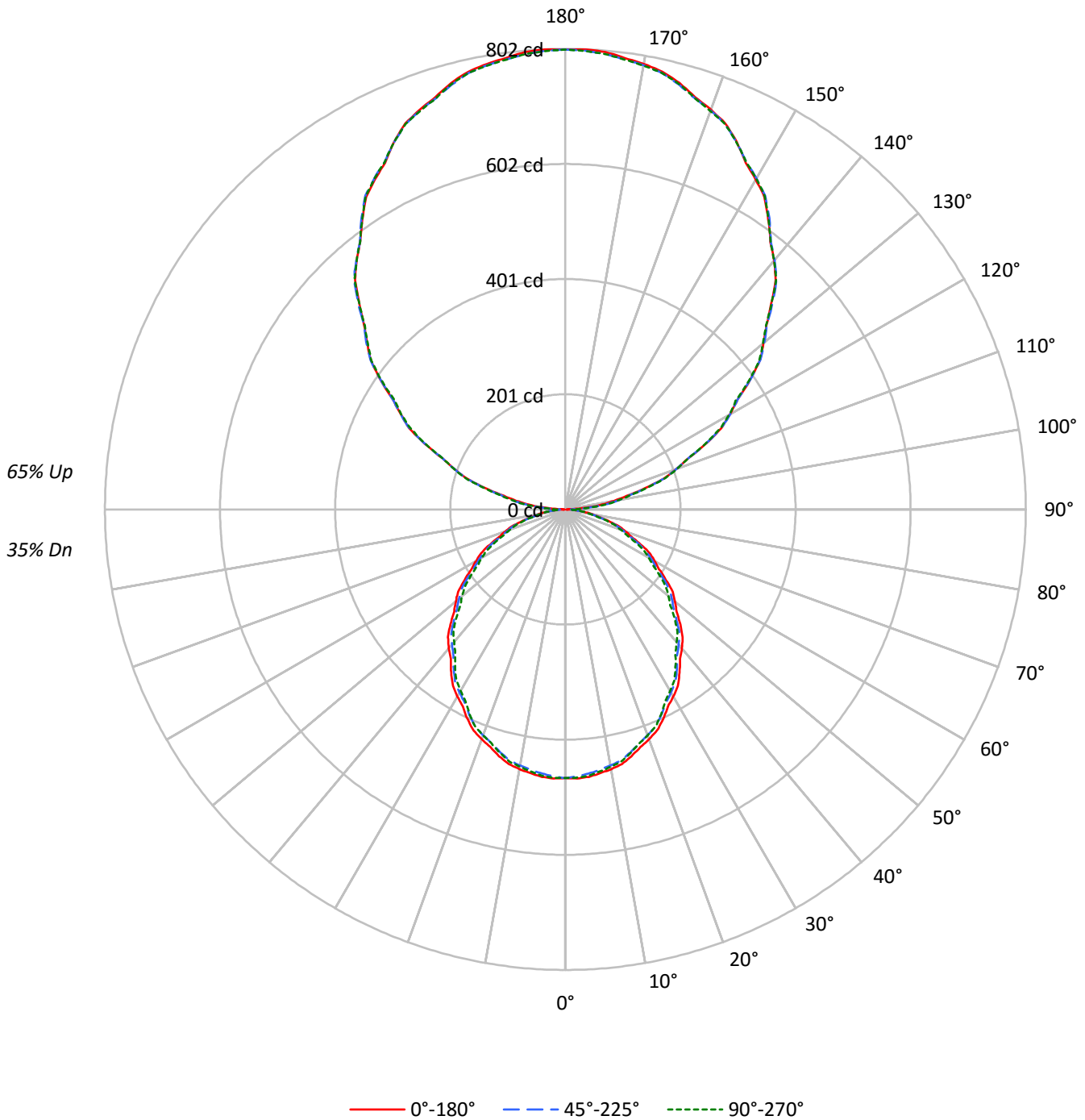
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332515-927

CATALOG NUMBER: SA4XXDIP-C350D810U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332515-927

CATALOG NUMBER: SA4XXDIP-C350D810U927-4F0-1E-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 35 | | | | |
| 1 | 94 | 90 | 86 | 83 | 85 | 82 | 78 | 76 | 66 | 63 | 61 | 51 | 50 | 48 | 37 | 37 | 36 | 29 | | | | |
| 2 | 86 | 79 | 73 | 68 | 77 | 71 | 66 | 62 | 57 | 54 | 51 | 45 | 42 | 40 | 33 | 31 | 30 | 25 | | | | |
| 3 | 78 | 69 | 62 | 56 | 71 | 63 | 57 | 52 | 51 | 46 | 43 | 40 | 36 | 34 | 29 | 27 | 26 | 21 | | | | |
| 4 | 72 | 61 | 53 | 47 | 64 | 56 | 49 | 44 | 45 | 40 | 36 | 35 | 32 | 29 | 26 | 24 | 22 | 18 | | | | |
| 5 | 66 | 54 | 46 | 41 | 59 | 49 | 43 | 37 | 40 | 35 | 31 | 32 | 28 | 25 | 23 | 21 | 19 | 16 | | | | |
| 6 | 60 | 49 | 41 | 35 | 54 | 44 | 37 | 32 | 36 | 31 | 27 | 28 | 25 | 22 | 21 | 19 | 17 | 14 | | | | |
| 7 | 56 | 44 | 36 | 31 | 50 | 40 | 33 | 28 | 33 | 28 | 24 | 26 | 22 | 19 | 19 | 17 | 15 | 12 | | | | |
| 8 | 52 | 40 | 32 | 27 | 47 | 36 | 30 | 25 | 30 | 25 | 21 | 24 | 20 | 17 | 18 | 15 | 13 | 11 | | | | |
| 9 | 48 | 36 | 29 | 24 | 43 | 33 | 27 | 22 | 27 | 22 | 19 | 22 | 18 | 15 | 16 | 14 | 12 | 10 | | | | |
| 10 | 45 | 33 | 26 | 21 | 41 | 30 | 24 | 20 | 25 | 20 | 17 | 20 | 16 | 14 | 15 | 13 | 11 | 9 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3777 | 3777 | 3777 |
| 5° | 3789 | 3743 | 3771 |
| 10° | 3765 | 3713 | 3731 |
| 15° | 3719 | 3661 | 3670 |
| 20° | 3660 | 3594 | 3598 |
| 25° | 3591 | 3520 | 3510 |
| 30° | 3506 | 3432 | 3402 |
| 35° | 3418 | 3341 | 3297 |
| 40° | 3327 | 3236 | 3177 |
| 45° | 3232 | 3134 | 3075 |
| 50° | 3127 | 3042 | 2948 |
| 55° | 3013 | 2923 | 2829 |
| 60° | 2900 | 2792 | 2706 |
| 65° | 2772 | 2665 | 2558 |
| 70° | 2629 | 2497 | 2398 |
| 75° | 2408 | 2293 | 2233 |
| 80° | 2143 | 2060 | 2004 |
| 85° | 1880 | 1806 | 1769 |



TEST NUMBER: P332515-927

CATALOG NUMBER: SA4XXDIP-C350D810U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.1 | 1.3 |
| 10°-20° | 124.2 | 3.6 |
| 20°-30° | 182.8 | 5.3 |
| 30°-40° | 212.5 | 6.2 |
| 40°-50° | 212.5 | 6.2 |
| 50°-60° | 185.9 | 5.4 |
| 60°-70° | 138.0 | 4.0 |
| 70°-80° | 78.4 | 2.3 |
| 80°-90° | 25.0 | 0.7 |
| 90°-100° | 52.8 | 1.5 |
| 100°-110° | 156.5 | 4.6 |
| 110°-120° | 265.6 | 7.8 |
| 120°-130° | 350.2 | 10.2 |
| 130°-140° | 393.3 | 11.5 |
| 140°-150° | 386.4 | 11.3 |
| 150°-160° | 325.0 | 9.5 |
| 160°-170° | 216.2 | 6.3 |
| 170°-180° | 75.7 | 2.2 |
| 0°-30° | 351.0 | 10.2 |
| 0°-40° | 563.5 | 16.5 |
| 0°-60° | 961.8 | 28.1 |
| 0°-90° | 1203.3 | 35.1 |
| 90°-120° | 474.9 | 13.9 |
| 90°-150° | 1604.7 | 46.9 |
| 90°-180° | 2222.0 | 64.9 |
| 0°-180° | 3425.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 468 | 468 | 468 | 468 | 468 | |
| 5° | 468 | 466 | 462 | 466 | 465 | 44 |
| 15° | 445 | 443 | 438 | 440 | 439 | 125 |
| 25° | 403 | 400 | 395 | 396 | 394 | 185 |
| 35° | 347 | 344 | 339 | 336 | 334 | 217 |
| 45° | 283 | 280 | 274 | 270 | 269 | 218 |
| 55° | 214 | 213 | 208 | 203 | 201 | 192 |
| 65° | 145 | 143 | 140 | 136 | 134 | 144 |
| 75° | 77 | 75 | 74 | 72 | 72 | 82 |
| 85° | 20 | 20 | 20 | 20 | 19 | 22 |
| 90° | 2 | 9 | 14 | 17 | 19 | 3 |
| 95° | 37 | 43 | 47 | 49 | 49 | 41 |
| 105° | 144 | 145 | 147 | 149 | 151 | 153 |
| 115° | 270 | 270 | 269 | 268 | 268 | 266 |
| 125° | 393 | 393 | 393 | 391 | 390 | 350 |
| 135° | 507 | 511 | 511 | 510 | 508 | 392 |
| 145° | 616 | 619 | 619 | 619 | 617 | 386 |
| 155° | 706 | 706 | 705 | 708 | 705 | 325 |
| 165° | 769 | 767 | 766 | 769 | 767 | 217 |
| 175° | 800 | 797 | 796 | 800 | 796 | 76 |
| 180° | 801 | 801 | 801 | 801 | 801 | |



TEST NUMBER: P332515-927

CATALOG NUMBER: SA4XXDIP-C350D810U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 |
| 2.5° | 469.1 | 469.0 | 468.7 | 468.6 | 468.3 | 467.9 | 467.1 | 466.4 | 465.7 | 464.9 | 465.6 |
| 5° | 467.5 | 467.2 | 466.9 | 466.6 | 466.3 | 465.6 | 464.7 | 463.8 | 462.9 | 461.9 | 462.9 |
| 7.5° | 463.3 | 462.9 | 462.6 | 462.2 | 461.9 | 461.2 | 460.2 | 459.2 | 458.2 | 457.2 | 457.9 |
| 10° | 459.3 | 459.0 | 458.7 | 458.4 | 458.0 | 457.3 | 456.2 | 455.1 | 454.1 | 453.0 | 453.6 |
| 12.5° | 454.2 | 453.9 | 453.6 | 453.2 | 452.9 | 452.2 | 451.0 | 449.9 | 448.7 | 447.6 | 448.3 |
| 15° | 445.0 | 444.7 | 444.4 | 444.1 | 443.8 | 443.0 | 441.7 | 440.5 | 439.2 | 438.0 | 438.5 |
| 17.5° | 434.0 | 433.6 | 433.2 | 432.8 | 432.4 | 431.6 | 430.4 | 429.2 | 428.0 | 426.8 | 427.1 |
| 20° | 426.0 | 425.6 | 425.2 | 424.7 | 424.3 | 423.5 | 422.2 | 421.0 | 419.7 | 418.4 | 418.7 |
| 22.5° | 417.2 | 416.7 | 416.1 | 415.6 | 415.0 | 414.2 | 412.9 | 411.7 | 410.4 | 409.2 | 409.6 |
| 25° | 403.1 | 402.5 | 402.0 | 401.3 | 400.8 | 399.9 | 398.7 | 397.5 | 396.4 | 395.2 | 395.3 |
| 27.5° | 386.9 | 386.3 | 385.7 | 385.1 | 384.5 | 383.7 | 382.5 | 381.5 | 380.4 | 379.3 | 379.1 |
| 30° | 376.1 | 375.4 | 374.8 | 374.1 | 373.4 | 372.6 | 371.5 | 370.3 | 369.3 | 368.2 | 367.9 |
| 32.5° | 364.7 | 364.1 | 363.5 | 362.9 | 362.3 | 361.4 | 360.3 | 359.1 | 358.0 | 356.8 | 356.4 |
| 35° | 346.8 | 346.3 | 345.7 | 345.1 | 344.5 | 343.6 | 342.5 | 341.3 | 340.2 | 339.0 | 338.4 |
| 37.5° | 328.0 | 327.5 | 326.9 | 326.5 | 325.9 | 325.0 | 323.8 | 322.5 | 321.2 | 320.0 | 319.3 |
| 40° | 315.7 | 315.1 | 314.4 | 313.7 | 313.1 | 312.1 | 310.9 | 309.6 | 308.3 | 307.1 | 306.3 |
| 42.5° | 302.5 | 302.1 | 301.7 | 301.3 | 301.0 | 300.0 | 298.7 | 297.2 | 295.9 | 294.5 | 293.5 |
| 45° | 283.1 | 282.5 | 281.9 | 281.4 | 280.7 | 279.8 | 278.5 | 277.1 | 275.8 | 274.5 | 273.5 |
| 47.5° | 262.8 | 262.4 | 262.0 | 261.6 | 261.2 | 260.4 | 259.1 | 257.9 | 256.7 | 255.4 | 254.4 |
| 50° | 249.0 | 248.7 | 248.3 | 248.0 | 247.6 | 246.9 | 245.7 | 244.5 | 243.4 | 242.2 | 241.1 |
| 52.5° | 235.5 | 235.0 | 234.6 | 234.2 | 233.9 | 233.1 | 231.8 | 230.6 | 229.3 | 228.1 | 227.1 |
| 55° | 214.1 | 213.9 | 213.6 | 213.3 | 213.1 | 212.4 | 211.2 | 210.1 | 208.9 | 207.7 | 206.8 |
| 57.5° | 193.7 | 193.5 | 193.1 | 192.9 | 192.6 | 191.9 | 190.7 | 189.6 | 188.4 | 187.3 | 186.3 |
| 60° | 179.6 | 179.2 | 178.8 | 178.3 | 177.9 | 177.2 | 176.1 | 175.0 | 174.0 | 172.9 | 172.1 |
| 62.5° | 165.8 | 165.5 | 165.1 | 164.8 | 164.4 | 163.7 | 162.5 | 161.4 | 160.2 | 159.1 | 158.4 |
| 65° | 145.1 | 144.7 | 144.3 | 143.9 | 143.5 | 142.8 | 142.0 | 141.2 | 140.3 | 139.5 | 138.6 |
| 67.5° | 124.3 | 123.9 | 123.5 | 123.1 | 122.7 | 122.2 | 121.4 | 120.6 | 119.8 | 118.9 | 118.1 |
| 70° | 111.4 | 110.7 | 110.2 | 109.6 | 109.0 | 108.4 | 107.7 | 107.1 | 106.4 | 105.8 | 105.0 |
| 72.5° | 97.6 | 97.0 | 96.4 | 95.9 | 95.2 | 94.7 | 94.1 | 93.6 | 93.1 | 92.5 | 92.0 |
| 75° | 77.2 | 76.8 | 76.4 | 76.0 | 75.6 | 75.2 | 74.8 | 74.3 | 73.9 | 73.5 | 73.2 |
| 77.5° | 57.8 | 57.7 | 57.4 | 57.3 | 57.1 | 56.8 | 56.5 | 56.1 | 55.7 | 55.4 | 55.2 |
| 80° | 46.1 | 45.9 | 45.6 | 45.4 | 45.2 | 44.9 | 44.8 | 44.6 | 44.4 | 44.3 | 44.0 |
| 82.5° | 34.7 | 34.6 | 34.5 | 34.4 | 34.2 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.0 |
| 85° | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.2 | 20.0 | 19.8 | 19.6 | 19.5 | 19.5 |
| 87.5° | 8.2 | 8.4 | 8.6 | 8.9 | 9.1 | 9.3 | 9.4 | 9.6 | 9.7 | 9.9 | 10.1 |
| 90° | 1.8 | 3.4 | 4.9 | 6.4 | 7.9 | 9.2 | 10.3 | 11.4 | 12.5 | 13.6 | 14.4 |
| 92.5° | 13.2 | 15.0 | 16.7 | 18.5 | 20.2 | 21.5 | 22.2 | 23.0 | 23.8 | 24.6 | 25.0 |
| 95° | 37.2 | 38.4 | 39.6 | 40.9 | 42.1 | 43.3 | 44.2 | 45.2 | 46.1 | 47.1 | 47.5 |
| 97.5° | 64.9 | 65.9 | 66.9 | 67.9 | 68.8 | 69.9 | 71.1 | 72.2 | 73.3 | 74.5 | 74.9 |
| 100° | 86.7 | 87.2 | 87.8 | 88.3 | 88.9 | 89.8 | 91.0 | 92.3 | 93.5 | 94.7 | 95.1 |
| 102.5° | 109.5 | 109.7 | 110.0 | 110.2 | 110.4 | 111.1 | 112.2 | 113.3 | 114.5 | 115.6 | 116.0 |
| 105° | 144.3 | 144.4 | 144.6 | 144.7 | 144.9 | 145.2 | 145.8 | 146.3 | 146.9 | 147.4 | 147.8 |
| 107.5° | 180.9 | 181.0 | 181.2 | 181.3 | 181.5 | 181.6 | 181.7 | 181.8 | 181.9 | 182.0 | 182.4 |
| 110° | 205.7 | 205.9 | 206.1 | 206.4 | 206.7 | 206.8 | 206.7 | 206.5 | 206.4 | 206.2 | 206.0 |



TEST NUMBER: P332515-927

CATALOG NUMBER: SA4XXDIP-C350D810U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 231.4 | 231.4 | 231.5 | 231.6 | 231.6 | 231.5 | 231.2 | 231.0 | 230.8 | 230.5 | 230.4 |
| 115° | 270.1 | 270.1 | 270.1 | 270.1 | 270.1 | 269.9 | 269.6 | 269.3 | 269.0 | 268.8 | 268.6 |
| 117.5° | 306.4 | 306.6 | 306.7 | 306.7 | 306.9 | 306.8 | 306.7 | 306.4 | 306.3 | 306.1 | 305.6 |
| 120° | 330.7 | 331.3 | 331.8 | 332.4 | 333.0 | 333.0 | 332.6 | 332.2 | 331.8 | 331.4 | 330.7 |
| 122.5° | 356.0 | 356.2 | 356.4 | 356.6 | 356.9 | 356.9 | 356.7 | 356.5 | 356.3 | 356.1 | 355.6 |
| 125° | 393.2 | 393.2 | 393.2 | 393.2 | 393.2 | 393.2 | 393.1 | 392.9 | 392.8 | 392.7 | 392.4 |
| 127.5° | 427.1 | 427.5 | 427.9 | 428.3 | 428.7 | 428.8 | 428.6 | 428.4 | 428.2 | 427.9 | 427.7 |
| 130° | 450.8 | 451.3 | 451.7 | 452.1 | 452.5 | 452.7 | 452.7 | 452.7 | 452.7 | 452.7 | 452.4 |
| 132.5° | 475.2 | 475.5 | 475.8 | 476.0 | 476.3 | 476.4 | 476.3 | 476.3 | 476.1 | 476.0 | 475.7 |
| 135° | 507.2 | 508.0 | 508.9 | 509.7 | 510.6 | 511.0 | 511.0 | 511.0 | 511.0 | 511.0 | 510.6 |
| 137.5° | 542.2 | 542.6 | 542.9 | 543.3 | 543.7 | 544.0 | 544.2 | 544.5 | 544.6 | 544.9 | 544.5 |
| 140° | 565.5 | 565.7 | 566.0 | 566.3 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 | 566.6 |
| 142.5° | 586.8 | 587.0 | 587.3 | 587.6 | 587.9 | 588.0 | 587.8 | 587.7 | 587.6 | 587.5 | 587.5 |
| 145° | 616.2 | 616.8 | 617.3 | 617.9 | 618.5 | 618.8 | 618.9 | 619.0 | 619.2 | 619.3 | 619.2 |
| 147.5° | 645.5 | 646.1 | 646.7 | 647.5 | 648.1 | 648.4 | 648.2 | 648.2 | 648.0 | 647.9 | 647.8 |
| 150° | 663.3 | 663.8 | 664.4 | 665.0 | 665.5 | 665.7 | 665.7 | 665.7 | 665.7 | 665.7 | 665.7 |
| 152.5° | 680.2 | 680.5 | 680.8 | 681.1 | 681.4 | 681.7 | 681.8 | 681.9 | 682.0 | 682.1 | 682.5 |
| 155° | 706.0 | 706.0 | 706.0 | 706.0 | 706.0 | 705.9 | 705.8 | 705.7 | 705.5 | 705.4 | 705.9 |
| 157.5° | 727.9 | 727.5 | 727.3 | 727.1 | 726.8 | 726.7 | 726.7 | 726.7 | 726.6 | 726.6 | 727.0 |
| 160° | 740.7 | 740.5 | 740.5 | 740.3 | 740.1 | 740.0 | 739.9 | 739.7 | 739.6 | 739.5 | 739.9 |
| 162.5° | 752.6 | 752.3 | 751.9 | 751.5 | 751.1 | 750.9 | 750.8 | 750.7 | 750.5 | 750.4 | 751.1 |
| 165° | 768.6 | 768.2 | 767.8 | 767.3 | 766.9 | 766.6 | 766.3 | 766.0 | 765.7 | 765.5 | 766.3 |
| 167.5° | 780.9 | 780.2 | 779.7 | 779.1 | 778.6 | 778.2 | 778.2 | 778.3 | 778.3 | 778.3 | 779.2 |
| 170° | 787.7 | 787.1 | 786.4 | 785.7 | 785.1 | 784.7 | 784.9 | 785.1 | 785.1 | 785.3 | 786.1 |
| 172.5° | 792.7 | 792.2 | 791.5 | 791.0 | 790.4 | 790.1 | 790.2 | 790.2 | 790.2 | 790.3 | 791.2 |
| 175° | 799.5 | 798.8 | 798.1 | 797.5 | 796.8 | 796.4 | 796.2 | 796.1 | 796.0 | 795.8 | 796.8 |
| 177.5° | 801.8 | 801.2 | 800.7 | 800.1 | 799.5 | 799.3 | 799.3 | 799.3 | 799.3 | 799.3 | 800.0 |
| 180° | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 |



TEST NUMBER: P332515-927

CATALOG NUMBER: SA4XXDIP-C350D810U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 |
| 2.5° | 466.3 | 467.0 | 467.6 | 467.9 | 467.9 | 467.8 | 467.7 | 467.6 |
| 5° | 463.8 | 464.7 | 465.6 | 466.0 | 465.8 | 465.6 | 465.5 | 465.3 |
| 7.5° | 458.6 | 459.4 | 460.1 | 460.4 | 460.3 | 460.2 | 460.1 | 460.0 |
| 10° | 454.3 | 455.0 | 455.7 | 455.9 | 455.7 | 455.5 | 455.3 | 455.2 |
| 12.5° | 449.0 | 449.7 | 450.5 | 450.8 | 450.5 | 450.3 | 450.0 | 449.8 |
| 15° | 438.9 | 439.4 | 440.0 | 440.1 | 439.8 | 439.6 | 439.3 | 439.1 |
| 17.5° | 427.5 | 427.8 | 428.1 | 428.2 | 428.0 | 427.9 | 427.7 | 427.5 |
| 20° | 419.0 | 419.2 | 419.5 | 419.5 | 419.3 | 419.1 | 419.0 | 418.8 |
| 22.5° | 410.0 | 410.5 | 411.0 | 411.1 | 410.7 | 410.4 | 410.1 | 409.9 |
| 25° | 395.4 | 395.5 | 395.5 | 395.5 | 395.1 | 394.7 | 394.4 | 394.1 |
| 27.5° | 378.9 | 378.7 | 378.5 | 378.2 | 377.8 | 377.4 | 376.9 | 376.5 |
| 30° | 367.6 | 367.3 | 366.9 | 366.5 | 366.1 | 365.7 | 365.3 | 364.9 |
| 32.5° | 356.0 | 355.6 | 355.2 | 354.8 | 354.4 | 353.9 | 353.6 | 353.2 |
| 35° | 337.8 | 337.2 | 336.6 | 336.1 | 335.7 | 335.3 | 334.9 | 334.5 |
| 37.5° | 318.7 | 318.1 | 317.4 | 316.9 | 316.3 | 315.8 | 315.2 | 314.7 |
| 40° | 305.5 | 304.6 | 303.8 | 303.2 | 302.7 | 302.3 | 301.9 | 301.5 |
| 42.5° | 292.6 | 291.6 | 290.7 | 290.0 | 289.7 | 289.5 | 289.1 | 288.9 |
| 45° | 272.7 | 271.7 | 270.8 | 270.2 | 270.0 | 269.7 | 269.5 | 269.3 |
| 47.5° | 253.3 | 252.3 | 251.3 | 250.5 | 249.9 | 249.2 | 248.6 | 248.0 |
| 50° | 239.9 | 238.8 | 237.6 | 236.7 | 236.2 | 235.8 | 235.2 | 234.7 |
| 52.5° | 226.1 | 225.1 | 224.0 | 223.2 | 222.5 | 221.9 | 221.3 | 220.6 |
| 55° | 205.7 | 204.7 | 203.7 | 203.0 | 202.5 | 202.0 | 201.5 | 201.0 |
| 57.5° | 185.4 | 184.4 | 183.5 | 182.8 | 182.3 | 181.8 | 181.3 | 180.8 |
| 60° | 171.3 | 170.6 | 169.8 | 169.3 | 168.9 | 168.4 | 168.0 | 167.6 |
| 62.5° | 157.7 | 157.0 | 156.3 | 155.7 | 155.3 | 155.0 | 154.6 | 154.1 |
| 65° | 137.8 | 137.0 | 136.2 | 135.5 | 135.1 | 134.7 | 134.3 | 133.9 |
| 67.5° | 117.3 | 116.5 | 115.7 | 115.3 | 115.2 | 115.0 | 114.9 | 114.8 |
| 70° | 104.4 | 103.8 | 103.1 | 102.6 | 102.3 | 102.1 | 101.9 | 101.6 |
| 72.5° | 91.5 | 90.9 | 90.4 | 90.0 | 89.8 | 89.5 | 89.3 | 89.0 |
| 75° | 72.8 | 72.5 | 72.2 | 71.9 | 71.9 | 71.8 | 71.7 | 71.6 |
| 77.5° | 55.1 | 55.1 | 55.0 | 54.8 | 54.6 | 54.3 | 54.1 | 53.9 |
| 80° | 43.9 | 43.7 | 43.6 | 43.5 | 43.3 | 43.3 | 43.2 | 43.1 |
| 82.5° | 33.8 | 33.7 | 33.7 | 33.6 | 33.5 | 33.4 | 33.3 | 33.2 |
| 85° | 19.5 | 19.5 | 19.5 | 19.5 | 19.4 | 19.3 | 19.2 | 19.1 |
| 87.5° | 10.2 | 10.5 | 10.6 | 10.7 | 10.8 | 10.8 | 10.9 | 10.9 |
| 90° | 15.3 | 16.1 | 17.0 | 17.5 | 17.7 | 18.1 | 18.3 | 18.6 |
| 92.5° | 25.5 | 26.0 | 26.5 | 26.9 | 27.0 | 27.2 | 27.3 | 27.5 |
| 95° | 47.9 | 48.3 | 48.7 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| 97.5° | 75.4 | 75.9 | 76.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 100° | 95.3 | 95.6 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 102.5° | 116.4 | 116.7 | 117.1 | 117.3 | 117.5 | 117.6 | 117.7 | 117.8 |
| 105° | 148.2 | 148.6 | 149.0 | 149.5 | 149.9 | 150.3 | 150.7 | 151.1 |
| 107.5° | 182.8 | 183.1 | 183.5 | 183.7 | 183.6 | 183.6 | 183.6 | 183.5 |
| 110° | 205.7 | 205.4 | 205.1 | 205.2 | 205.7 | 206.0 | 206.4 | 206.8 |



TEST NUMBER: P332515-927

CATALOG NUMBER: SA4XXDIP-C350D810U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 230.4 | 230.4 | 230.3 | 230.3 | 230.4 | 230.4 | 230.5 | 230.6 |
| 115° | 268.5 | 268.4 | 268.2 | 268.1 | 268.0 | 267.8 | 267.7 | 267.5 |
| 117.5° | 305.1 | 304.7 | 304.2 | 303.8 | 303.6 | 303.2 | 303.0 | 302.7 |
| 120° | 329.9 | 329.2 | 328.6 | 328.4 | 328.7 | 328.9 | 329.2 | 329.5 |
| 122.5° | 355.1 | 354.7 | 354.3 | 353.8 | 353.2 | 352.8 | 352.3 | 351.8 |
| 125° | 392.1 | 391.8 | 391.6 | 391.3 | 391.0 | 390.7 | 390.5 | 390.1 |
| 127.5° | 427.4 | 427.1 | 426.8 | 426.6 | 426.4 | 426.2 | 426.0 | 425.7 |
| 130° | 452.2 | 451.9 | 451.6 | 451.2 | 450.7 | 450.1 | 449.6 | 449.0 |
| 132.5° | 475.5 | 475.2 | 474.9 | 474.7 | 474.4 | 474.2 | 474.0 | 473.8 |
| 135° | 510.4 | 510.1 | 509.8 | 509.5 | 509.1 | 508.7 | 508.3 | 507.9 |
| 137.5° | 544.2 | 543.8 | 543.4 | 543.3 | 543.4 | 543.4 | 543.5 | 543.7 |
| 140° | 566.4 | 566.3 | 566.1 | 566.0 | 565.9 | 565.7 | 565.5 | 565.5 |
| 142.5° | 587.4 | 587.4 | 587.4 | 587.3 | 587.3 | 587.3 | 587.2 | 587.2 |
| 145° | 619.0 | 618.9 | 618.8 | 618.5 | 618.1 | 617.7 | 617.3 | 616.9 |
| 147.5° | 647.7 | 647.6 | 647.5 | 647.4 | 647.2 | 647.1 | 647.0 | 646.8 |
| 150° | 665.7 | 665.7 | 665.7 | 665.7 | 665.6 | 665.4 | 665.3 | 665.1 |
| 152.5° | 682.8 | 683.1 | 683.4 | 683.4 | 683.1 | 682.7 | 682.4 | 682.0 |
| 155° | 706.5 | 707.0 | 707.6 | 707.6 | 707.0 | 706.5 | 705.9 | 705.4 |
| 157.5° | 727.4 | 727.9 | 728.3 | 728.2 | 727.8 | 727.3 | 726.8 | 726.4 |
| 160° | 740.3 | 740.7 | 741.1 | 741.0 | 740.3 | 739.6 | 738.9 | 738.2 |
| 162.5° | 751.9 | 752.6 | 753.4 | 753.4 | 752.7 | 752.0 | 751.3 | 750.6 |
| 165° | 767.1 | 767.9 | 768.8 | 768.9 | 768.3 | 767.8 | 767.2 | 766.8 |
| 167.5° | 780.0 | 780.9 | 781.6 | 781.6 | 780.8 | 779.9 | 779.1 | 778.2 |
| 170° | 787.0 | 787.7 | 788.6 | 788.5 | 787.6 | 786.6 | 785.6 | 784.7 |
| 172.5° | 792.1 | 793.1 | 794.0 | 794.0 | 793.1 | 792.0 | 791.1 | 790.1 |
| 175° | 797.7 | 798.7 | 799.7 | 799.7 | 798.7 | 797.7 | 796.8 | 795.8 |
| 177.5° | 800.8 | 801.6 | 802.4 | 802.3 | 801.5 | 800.6 | 799.7 | 798.8 |
| 180° | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 | 800.7 |

(END OF REPORT)