

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: P332522-840

Luminaire Tested: **SA4XXDIP-C350D1035U840-4F0-1E-UDD-D4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332522-840
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-C350D1035U840-4F0-1E-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

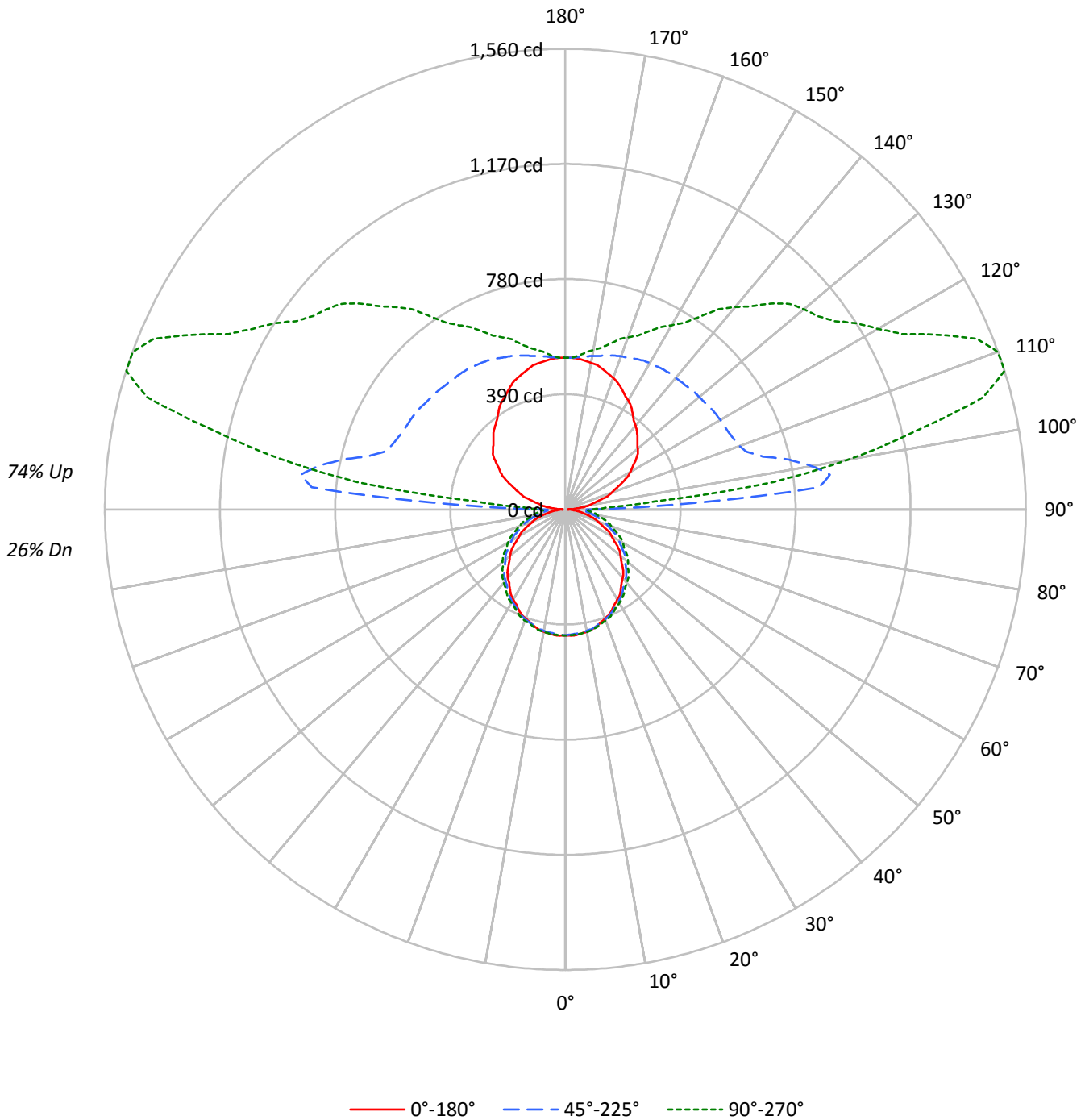
Lumens per Lamp: N/A
Luminaire Lumens: 5190.0 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

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: P332522-840
CATALOG NUMBER: SA4XXDIP-C350D1035U840-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P332522-840

CATALOG NUMBER: SA4XXDIP-C350D1035U840-4F0-1E-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° | 3446 | 3446 | 3446 |
| 5° | 3457 | 3367 | 3378 |
| 10° | 3435 | 3313 | 3310 |
| 15° | 3404 | 3249 | 3231 |
| 20° | 3358 | 3179 | 3155 |
| 25° | 3306 | 3100 | 3070 |
| 30° | 3249 | 3021 | 2983 |
| 35° | 3185 | 2941 | 2907 |
| 40° | 3134 | 2865 | 2828 |
| 45° | 3058 | 2793 | 2759 |
| 50° | 2994 | 2713 | 2687 |
| 55° | 2928 | 2636 | 2603 |
| 60° | 2824 | 2538 | 2526 |
| 65° | 2708 | 2435 | 2431 |
| 70° | 2572 | 2315 | 2320 |
| 75° | 2379 | 2183 | 2220 |
| 80° | 2166 | 2057 | 2123 |
| 85° | 1893 | 1946 | 2065 |



TEST NUMBER: P332522-840

CATALOG NUMBER: SA4XXDIP-C350D1035U840-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 40.4 | 0.8 |
| 10°-20° | 115.8 | 2.2 |
| 20°-30° | 175.1 | 3.4 |
| 30°-40° | 211.9 | 4.1 |
| 40°-50° | 224.0 | 4.3 |
| 50°-60° | 210.8 | 4.1 |
| 60°-70° | 174.9 | 3.4 |
| 70°-80° | 122.9 | 2.4 |
| 80°-90° | 72.3 | 1.4 |
| 90°-100° | 411.9 | 7.9 |
| 100°-110° | 801.9 | 15.5 |
| 110°-120° | 711.4 | 13.7 |
| 120°-130° | 592.8 | 11.4 |
| 130°-140° | 489.6 | 9.4 |
| 140°-150° | 371.2 | 7.2 |
| 150°-160° | 260.2 | 5.0 |
| 160°-170° | 153.1 | 2.9 |
| 170°-180° | 49.8 | 1.0 |
| 0°-30° | 331.4 | 6.4 |
| 0°-40° | 543.2 | 10.5 |
| 0°-60° | 978.1 | 18.8 |
| 0°-90° | 1348.1 | 26.0 |
| 90°-120° | 1925.2 | 37.1 |
| 90°-150° | 3378.8 | 65.1 |
| 90°-180° | 3842.0 | 74.0 |
| 0°-180° | 5190.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 427 | 427 | 427 | 427 | 427 | |
| 5° | 427 | 426 | 422 | 426 | 426 | 41 |
| 15° | 410 | 410 | 409 | 413 | 412 | 115 |
| 25° | 375 | 378 | 379 | 384 | 385 | 173 |
| 35° | 328 | 334 | 338 | 345 | 347 | 205 |
| 45° | 273 | 282 | 292 | 299 | 302 | 211 |
| 55° | 214 | 224 | 238 | 248 | 251 | 191 |
| 65° | 148 | 164 | 180 | 191 | 196 | 147 |
| 75° | 82 | 100 | 120 | 133 | 138 | 87 |
| 85° | 25 | 46 | 67 | 81 | 86 | 27 |
| 90° | 9 | 35 | 65 | 81 | 86 | 7 |
| 95° | 40 | 127 | 863 | 461 | 305 | 42 |
| 105° | 122 | 185 | 693 | 1467 | 1466 | 131 |
| 115° | 211 | 268 | 612 | 1166 | 1398 | 209 |
| 125° | 291 | 346 | 600 | 986 | 1112 | 259 |
| 135° | 345 | 410 | 586 | 868 | 987 | 267 |
| 145° | 397 | 454 | 579 | 725 | 798 | 249 |
| 155° | 451 | 486 | 563 | 637 | 664 | 208 |
| 165° | 491 | 506 | 539 | 571 | 580 | 139 |
| 175° | 512 | 513 | 517 | 524 | 522 | 49 |
| 180° | 513 | 513 | 513 | 513 | 513 | |



TEST NUMBER: P332522-840

CATALOG NUMBER: SA4XXDIP-C350D1035U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 |
| 2.5° | 428.4 | 428.1 | 427.9 | 427.6 | 427.4 | 426.9 | 426.3 | 425.6 | 424.9 | 424.1 | 424.7 |
| 5° | 427.4 | 427.0 | 426.7 | 426.4 | 426.1 | 425.6 | 424.7 | 424.0 | 423.3 | 422.5 | 423.4 |
| 7.5° | 423.7 | 423.5 | 423.3 | 423.1 | 422.9 | 422.5 | 421.9 | 421.3 | 420.7 | 420.1 | 421.0 |
| 10° | 420.6 | 420.5 | 420.4 | 420.3 | 420.2 | 419.9 | 419.4 | 418.8 | 418.3 | 417.8 | 418.7 |
| 12.5° | 416.5 | 416.4 | 416.4 | 416.4 | 416.4 | 416.2 | 415.8 | 415.5 | 415.1 | 414.8 | 415.6 |
| 15° | 409.6 | 409.8 | 409.9 | 410.0 | 410.1 | 410.0 | 409.6 | 409.3 | 409.0 | 408.7 | 409.6 |
| 17.5° | 400.4 | 400.7 | 401.0 | 401.3 | 401.6 | 401.8 | 401.7 | 401.6 | 401.6 | 401.5 | 402.5 |
| 20° | 393.8 | 394.2 | 394.6 | 394.9 | 395.2 | 395.4 | 395.5 | 395.6 | 395.7 | 395.8 | 396.9 |
| 22.5° | 386.6 | 387.0 | 387.4 | 387.8 | 388.2 | 388.5 | 388.7 | 388.9 | 389.1 | 389.3 | 390.3 |
| 25° | 374.8 | 375.4 | 376.1 | 376.7 | 377.3 | 377.8 | 378.1 | 378.4 | 378.7 | 379.1 | 380.2 |
| 27.5° | 361.5 | 362.5 | 363.5 | 364.4 | 365.3 | 366.0 | 366.5 | 367.0 | 367.5 | 368.0 | 369.0 |
| 30° | 352.7 | 353.7 | 354.5 | 355.3 | 356.2 | 357.0 | 357.7 | 358.4 | 359.2 | 359.9 | 361.1 |
| 32.5° | 343.3 | 344.3 | 345.3 | 346.3 | 347.3 | 348.2 | 349.0 | 349.8 | 350.7 | 351.5 | 352.8 |
| 35° | 327.9 | 329.2 | 330.4 | 331.7 | 333.1 | 334.2 | 335.3 | 336.3 | 337.4 | 338.4 | 339.9 |
| 37.5° | 312.6 | 314.0 | 315.5 | 316.9 | 318.4 | 319.7 | 321.1 | 322.4 | 323.8 | 325.1 | 326.6 |
| 40° | 302.6 | 304.0 | 305.4 | 306.7 | 308.1 | 309.5 | 311.0 | 312.6 | 314.0 | 315.5 | 317.1 |
| 42.5° | 291.1 | 292.7 | 294.2 | 295.8 | 297.3 | 298.9 | 300.7 | 302.5 | 304.2 | 305.9 | 307.7 |
| 45° | 273.4 | 275.4 | 277.4 | 279.4 | 281.4 | 283.5 | 285.5 | 287.5 | 289.5 | 291.5 | 293.4 |
| 47.5° | 256.5 | 258.6 | 260.6 | 262.8 | 264.8 | 267.0 | 269.3 | 271.8 | 274.1 | 276.4 | 278.2 |
| 50° | 244.3 | 246.6 | 248.9 | 251.3 | 253.6 | 255.9 | 258.3 | 260.6 | 263.0 | 265.3 | 267.4 |
| 52.5° | 232.1 | 234.4 | 236.7 | 239.0 | 241.4 | 243.9 | 246.5 | 249.2 | 251.9 | 254.6 | 256.7 |
| 55° | 214.2 | 216.4 | 218.6 | 220.9 | 223.1 | 225.8 | 228.9 | 232.2 | 235.3 | 238.5 | 240.7 |
| 57.5° | 194.2 | 196.9 | 199.7 | 202.5 | 205.2 | 208.1 | 211.4 | 214.5 | 217.6 | 220.9 | 223.4 |
| 60° | 181.2 | 183.9 | 186.7 | 189.5 | 192.2 | 195.3 | 198.8 | 202.4 | 205.8 | 209.3 | 211.8 |
| 62.5° | 168.5 | 171.6 | 174.6 | 177.6 | 180.6 | 183.9 | 187.3 | 190.9 | 194.4 | 197.9 | 200.4 |
| 65° | 148.1 | 151.6 | 155.0 | 158.3 | 161.8 | 165.3 | 168.8 | 172.5 | 176.1 | 179.8 | 182.4 |
| 67.5° | 128.6 | 132.2 | 135.8 | 139.5 | 143.0 | 146.7 | 150.7 | 154.5 | 158.3 | 162.2 | 164.9 |
| 70° | 115.2 | 118.8 | 122.4 | 126.0 | 129.7 | 133.5 | 137.5 | 141.6 | 145.6 | 149.7 | 152.5 |
| 72.5° | 102.2 | 105.9 | 109.6 | 113.3 | 116.9 | 121.0 | 125.2 | 129.6 | 133.8 | 138.1 | 140.9 |
| 75° | 82.2 | 86.1 | 90.1 | 94.0 | 98.0 | 102.1 | 106.6 | 111.1 | 115.5 | 120.0 | 123.0 |
| 77.5° | 63.6 | 67.8 | 71.9 | 76.0 | 80.2 | 84.6 | 89.3 | 94.0 | 98.7 | 103.3 | 106.3 |
| 80° | 52.1 | 56.4 | 60.6 | 64.8 | 69.1 | 73.5 | 78.3 | 82.9 | 87.6 | 92.3 | 95.4 |
| 82.5° | 40.6 | 45.0 | 49.5 | 53.9 | 58.3 | 62.8 | 67.6 | 72.2 | 76.9 | 81.6 | 84.8 |
| 85° | 25.3 | 29.8 | 34.2 | 38.7 | 43.2 | 47.8 | 52.6 | 57.4 | 62.1 | 67.0 | 70.1 |
| 87.5° | 14.3 | 19.1 | 24.0 | 28.6 | 33.1 | 37.6 | 43.4 | 48.1 | 53.1 | 58.2 | 61.1 |
| 90° | 8.7 | 14.9 | 22.2 | 27.5 | 32.7 | 37.2 | 47.8 | 52.3 | 58.9 | 65.4 | 67.6 |
| 92.5° | 18.8 | 27.9 | 41.1 | 57.3 | 75.8 | 101.0 | 156.7 | 239.5 | 320.3 | 364.9 | 314.4 |
| 95° | 39.5 | 46.0 | 59.6 | 76.2 | 103.9 | 150.2 | 242.3 | 411.9 | 657.2 | 863.2 | 889.3 |
| 97.5° | 65.3 | 68.4 | 80.0 | 95.1 | 119.0 | 158.0 | 229.9 | 370.7 | 614.6 | 904.0 | 1102.8 |
| 100° | 81.9 | 84.6 | 94.4 | 109.4 | 131.3 | 166.9 | 230.6 | 348.6 | 558.5 | 846.9 | 1107.8 |
| 102.5° | 98.1 | 102.0 | 110.7 | 124.4 | 145.2 | 179.0 | 237.0 | 341.2 | 520.3 | 776.4 | 1045.3 |
| 105° | 122.3 | 127.4 | 134.6 | 148.8 | 169.1 | 201.4 | 253.7 | 341.2 | 486.4 | 692.9 | 932.5 |
| 107.5° | 150.0 | 153.7 | 160.6 | 175.2 | 194.3 | 225.8 | 273.9 | 353.9 | 478.2 | 645.0 | 840.9 |
| 110° | 168.1 | 171.7 | 178.1 | 191.8 | 211.4 | 241.3 | 289.3 | 363.6 | 478.2 | 628.1 | 794.9 |



TEST NUMBER: P332522-840

CATALOG NUMBER: SA4XXDIP-C350D1035U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 185.5 | 188.8 | 196.0 | 208.6 | 228.1 | 257.7 | 304.1 | 374.2 | 481.3 | 618.9 | 767.9 |
| 115° | 210.6 | 214.5 | 222.6 | 233.6 | 253.7 | 283.1 | 326.8 | 390.7 | 487.9 | 612.3 | 741.6 |
| 117.5° | 237.1 | 240.4 | 247.3 | 258.9 | 277.5 | 307.6 | 349.0 | 407.9 | 495.1 | 608.3 | 728.1 |
| 120° | 254.4 | 256.8 | 264.2 | 275.6 | 293.0 | 323.0 | 364.4 | 419.8 | 500.5 | 606.4 | 720.4 |
| 122.5° | 270.5 | 272.7 | 279.7 | 290.1 | 308.9 | 337.8 | 379.1 | 431.1 | 506.0 | 603.7 | 712.2 |
| 125° | 291.2 | 295.2 | 301.1 | 312.1 | 331.1 | 360.6 | 399.6 | 448.7 | 514.8 | 600.2 | 698.9 |
| 127.5° | 309.9 | 313.1 | 320.2 | 332.8 | 352.6 | 382.0 | 419.2 | 463.7 | 521.2 | 595.0 | 681.7 |
| 130° | 320.0 | 324.0 | 331.9 | 346.9 | 366.0 | 396.0 | 432.0 | 473.0 | 526.1 | 592.3 | 670.9 |
| 132.5° | 330.5 | 333.7 | 344.0 | 358.2 | 378.9 | 407.1 | 442.7 | 482.6 | 530.6 | 590.0 | 661.2 |
| 135° | 344.8 | 348.8 | 358.8 | 376.0 | 397.2 | 423.7 | 457.8 | 494.8 | 536.8 | 586.0 | 646.2 |
| 137.5° | 359.4 | 363.1 | 374.2 | 390.4 | 412.2 | 437.4 | 468.8 | 503.0 | 540.1 | 583.6 | 633.4 |
| 140° | 369.9 | 372.8 | 383.8 | 400.9 | 421.9 | 446.2 | 476.5 | 508.9 | 543.2 | 581.7 | 626.4 |
| 142.5° | 380.8 | 383.8 | 394.2 | 410.4 | 430.8 | 454.1 | 483.5 | 513.3 | 545.8 | 580.9 | 620.7 |
| 145° | 396.7 | 399.6 | 409.6 | 423.5 | 442.6 | 464.7 | 491.0 | 518.2 | 547.4 | 578.7 | 611.6 |
| 147.5° | 414.7 | 415.6 | 424.3 | 438.7 | 454.5 | 474.4 | 499.1 | 522.8 | 548.5 | 575.0 | 603.6 |
| 150° | 426.0 | 426.9 | 434.7 | 446.8 | 461.8 | 480.9 | 503.1 | 525.2 | 548.5 | 572.6 | 597.8 |
| 152.5° | 436.1 | 436.2 | 444.2 | 455.6 | 469.0 | 486.6 | 506.3 | 526.8 | 546.8 | 568.6 | 591.4 |
| 155° | 450.6 | 451.6 | 457.7 | 467.8 | 478.9 | 494.0 | 511.1 | 528.3 | 544.4 | 562.6 | 581.7 |
| 157.5° | 464.9 | 464.9 | 470.6 | 478.5 | 488.2 | 500.1 | 514.5 | 528.3 | 541.8 | 556.3 | 571.8 |
| 160° | 473.8 | 473.8 | 477.9 | 484.9 | 493.0 | 504.1 | 516.1 | 528.3 | 539.4 | 551.5 | 564.6 |
| 162.5° | 481.9 | 481.1 | 484.3 | 490.6 | 497.9 | 506.5 | 517.8 | 528.3 | 536.9 | 546.6 | 558.2 |
| 165° | 491.0 | 491.0 | 493.0 | 498.1 | 503.1 | 509.1 | 518.2 | 526.2 | 532.3 | 539.4 | 547.4 |
| 167.5° | 500.1 | 499.1 | 500.1 | 503.9 | 506.8 | 511.3 | 518.0 | 523.8 | 527.5 | 532.1 | 537.8 |
| 170° | 504.1 | 503.1 | 504.1 | 507.2 | 509.1 | 512.1 | 517.2 | 522.2 | 524.2 | 527.3 | 531.3 |
| 172.5° | 508.1 | 507.2 | 507.3 | 509.5 | 510.7 | 512.9 | 516.3 | 520.6 | 521.0 | 522.4 | 525.6 |
| 175° | 512.1 | 511.1 | 511.1 | 512.1 | 513.1 | 513.1 | 515.1 | 518.2 | 517.2 | 517.2 | 519.2 |
| 177.5° | 513.9 | 513.1 | 512.3 | 513.1 | 513.1 | 513.1 | 513.9 | 515.5 | 513.9 | 513.9 | 514.7 |
| 180° | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 |



TEST NUMBER: P332522-840

CATALOG NUMBER: SA4XXDIP-C350D1035U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 | 426.9 |
| 2.5° | 425.4 | 426.0 | 426.6 | 426.8 | 426.8 | 426.7 | 426.6 | 426.5 |
| 5° | 424.2 | 425.1 | 426.0 | 426.4 | 426.3 | 426.1 | 426.0 | 425.9 |
| 7.5° | 422.0 | 422.9 | 423.9 | 424.3 | 424.2 | 424.1 | 424.0 | 423.9 |
| 10° | 419.7 | 420.6 | 421.6 | 422.0 | 421.9 | 421.8 | 421.7 | 421.6 |
| 12.5° | 416.5 | 417.4 | 418.2 | 418.6 | 418.6 | 418.6 | 418.6 | 418.5 |
| 15° | 410.6 | 411.5 | 412.5 | 412.9 | 412.8 | 412.7 | 412.6 | 412.5 |
| 17.5° | 403.4 | 404.5 | 405.5 | 405.9 | 405.8 | 405.7 | 405.7 | 405.6 |
| 20° | 397.9 | 399.0 | 400.0 | 400.6 | 400.6 | 400.6 | 400.6 | 400.6 |
| 22.5° | 391.4 | 392.4 | 393.5 | 394.2 | 394.4 | 394.5 | 394.7 | 394.9 |
| 25° | 381.4 | 382.5 | 383.7 | 384.4 | 384.5 | 384.6 | 384.7 | 384.8 |
| 27.5° | 370.1 | 371.2 | 372.3 | 372.9 | 373.0 | 373.1 | 373.2 | 373.4 |
| 30° | 362.2 | 363.5 | 364.6 | 365.3 | 365.5 | 365.8 | 366.0 | 366.2 |
| 32.5° | 354.2 | 355.6 | 356.9 | 357.7 | 357.9 | 358.1 | 358.3 | 358.5 |
| 35° | 341.4 | 342.8 | 344.4 | 345.3 | 345.6 | 345.9 | 346.3 | 346.6 |
| 37.5° | 328.1 | 329.5 | 331.0 | 332.0 | 332.3 | 332.6 | 333.1 | 333.4 |
| 40° | 318.7 | 320.2 | 321.8 | 322.9 | 323.3 | 323.8 | 324.2 | 324.6 |
| 42.5° | 309.4 | 311.2 | 313.0 | 314.1 | 314.4 | 314.7 | 315.1 | 315.4 |
| 45° | 295.2 | 297.0 | 298.8 | 299.9 | 300.5 | 301.0 | 301.5 | 302.1 |
| 47.5° | 280.1 | 282.0 | 283.9 | 285.1 | 285.8 | 286.4 | 287.0 | 287.7 |
| 50° | 269.5 | 271.7 | 273.8 | 275.2 | 275.8 | 276.4 | 277.1 | 277.7 |
| 52.5° | 258.8 | 260.9 | 263.1 | 264.5 | 265.1 | 265.7 | 266.4 | 267.0 |
| 55° | 242.8 | 244.9 | 247.0 | 248.4 | 249.0 | 249.6 | 250.3 | 251.0 |
| 57.5° | 225.9 | 228.4 | 231.0 | 232.5 | 233.1 | 233.7 | 234.3 | 234.9 |
| 60° | 214.3 | 216.7 | 219.1 | 220.8 | 221.7 | 222.5 | 223.4 | 224.2 |
| 62.5° | 202.8 | 205.2 | 207.6 | 209.3 | 210.2 | 211.0 | 211.9 | 212.7 |
| 65° | 185.0 | 187.7 | 190.4 | 192.1 | 193.0 | 193.8 | 194.7 | 195.5 |
| 67.5° | 167.6 | 170.4 | 173.0 | 174.8 | 175.6 | 176.4 | 177.2 | 178.1 |
| 70° | 155.3 | 158.2 | 161.1 | 162.9 | 163.6 | 164.4 | 165.1 | 165.8 |
| 72.5° | 143.7 | 146.5 | 149.3 | 151.1 | 151.9 | 152.7 | 153.6 | 154.4 |
| 75° | 125.9 | 128.9 | 131.9 | 133.8 | 134.8 | 135.7 | 136.7 | 137.6 |
| 77.5° | 109.4 | 112.4 | 115.4 | 117.4 | 118.5 | 119.5 | 120.5 | 121.5 |
| 80° | 98.7 | 101.8 | 105.0 | 107.0 | 107.9 | 108.8 | 109.6 | 110.4 |
| 82.5° | 88.1 | 91.4 | 94.6 | 96.7 | 97.7 | 98.6 | 99.6 | 100.5 |
| 85° | 73.3 | 76.4 | 79.7 | 81.8 | 82.8 | 83.9 | 84.9 | 86.0 |
| 87.5° | 64.3 | 67.7 | 70.9 | 72.9 | 74.1 | 75.2 | 75.9 | 76.9 |
| 90° | 71.6 | 75.7 | 79.8 | 81.8 | 83.6 | 85.5 | 85.3 | 86.1 |
| 92.5° | 249.0 | 203.0 | 175.6 | 157.3 | 146.3 | 141.7 | 139.2 | 140.0 |
| 95° | 794.4 | 641.0 | 508.8 | 412.8 | 364.5 | 334.2 | 316.9 | 304.8 |
| 97.5° | 1147.9 | 1092.7 | 996.8 | 893.4 | 821.9 | 762.1 | 732.9 | 712.8 |
| 100° | 1257.9 | 1280.9 | 1234.4 | 1161.6 | 1074.6 | 1013.9 | 984.4 | 977.0 |
| 102.5° | 1250.2 | 1353.0 | 1370.1 | 1340.8 | 1287.8 | 1244.1 | 1213.0 | 1207.4 |
| 105° | 1166.0 | 1343.0 | 1445.5 | 1488.6 | 1491.5 | 1484.3 | 1471.0 | 1465.8 |
| 107.5° | 1048.0 | 1236.3 | 1379.5 | 1471.1 | 1521.7 | 1545.4 | 1556.3 | 1559.6 |
| 110° | 976.7 | 1153.7 | 1302.2 | 1414.8 | 1487.2 | 1530.5 | 1549.4 | 1559.3 |



TEST NUMBER: P332522-840

CATALOG NUMBER: SA4XXDIP-C350D1035U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 923.9 | 1080.5 | 1220.9 | 1333.4 | 1415.5 | 1467.6 | 1493.9 | 1509.4 |
| 115° | 870.0 | 996.3 | 1116.6 | 1214.9 | 1295.4 | 1356.6 | 1389.6 | 1398.4 |
| 117.5° | 841.8 | 946.6 | 1041.7 | 1125.2 | 1194.1 | 1245.7 | 1279.2 | 1286.3 |
| 120° | 828.5 | 924.3 | 1007.1 | 1080.2 | 1138.5 | 1183.7 | 1210.7 | 1222.7 |
| 122.5° | 816.9 | 909.5 | 985.0 | 1049.1 | 1098.5 | 1137.2 | 1160.1 | 1172.0 |
| 125° | 797.7 | 886.5 | 958.1 | 1014.8 | 1055.8 | 1085.6 | 1105.4 | 1112.2 |
| 127.5° | 774.5 | 859.3 | 930.6 | 984.5 | 1025.7 | 1052.5 | 1069.3 | 1076.1 |
| 130° | 756.5 | 838.0 | 908.5 | 963.2 | 1005.1 | 1031.0 | 1047.7 | 1054.4 |
| 132.5° | 737.8 | 814.5 | 883.2 | 937.9 | 979.1 | 1008.1 | 1024.1 | 1030.8 |
| 135° | 711.3 | 778.6 | 841.8 | 893.4 | 934.3 | 963.2 | 980.0 | 986.6 |
| 137.5° | 687.7 | 744.8 | 798.1 | 844.8 | 882.9 | 911.3 | 925.1 | 932.9 |
| 140° | 674.2 | 722.9 | 769.6 | 812.9 | 848.8 | 871.5 | 886.2 | 894.7 |
| 142.5° | 661.8 | 704.7 | 744.8 | 782.3 | 814.1 | 835.1 | 848.0 | 854.1 |
| 145° | 644.5 | 679.4 | 710.2 | 739.0 | 764.7 | 782.2 | 792.7 | 798.2 |
| 147.5° | 630.3 | 657.6 | 681.9 | 704.3 | 723.2 | 738.2 | 746.2 | 748.3 |
| 150° | 622.1 | 645.2 | 665.4 | 683.6 | 699.6 | 712.8 | 718.8 | 719.8 |
| 152.5° | 613.2 | 633.1 | 651.7 | 666.6 | 680.3 | 690.9 | 694.6 | 695.6 |
| 155° | 599.9 | 616.0 | 631.1 | 643.2 | 653.3 | 661.4 | 664.4 | 664.4 |
| 157.5° | 585.5 | 599.1 | 611.8 | 621.5 | 629.0 | 635.1 | 636.9 | 636.9 |
| 160° | 576.6 | 587.7 | 598.8 | 606.9 | 613.0 | 619.0 | 620.1 | 620.1 |
| 162.5° | 567.7 | 577.2 | 585.9 | 593.2 | 597.6 | 603.7 | 604.7 | 603.9 |
| 165° | 555.5 | 561.6 | 568.6 | 573.6 | 577.6 | 581.7 | 580.7 | 579.7 |
| 167.5° | 543.6 | 548.3 | 553.9 | 556.9 | 559.0 | 561.6 | 561.4 | 560.6 |
| 170° | 536.3 | 539.4 | 543.4 | 546.4 | 548.5 | 549.5 | 548.5 | 548.5 |
| 172.5° | 529.9 | 532.1 | 534.5 | 536.7 | 538.0 | 539.0 | 538.0 | 536.3 |
| 175° | 521.2 | 522.2 | 524.2 | 524.2 | 524.2 | 526.2 | 524.2 | 522.2 |
| 177.5° | 515.5 | 516.3 | 516.3 | 517.2 | 516.3 | 517.2 | 515.5 | 513.9 |
| 180° | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 |

(END OF REPORT)