

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: P333201-927

Luminaire Tested: **S125DIP-S610D1205U927-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333201-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S610D1205U927-4F0-1E-UDD-D4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5327.9 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

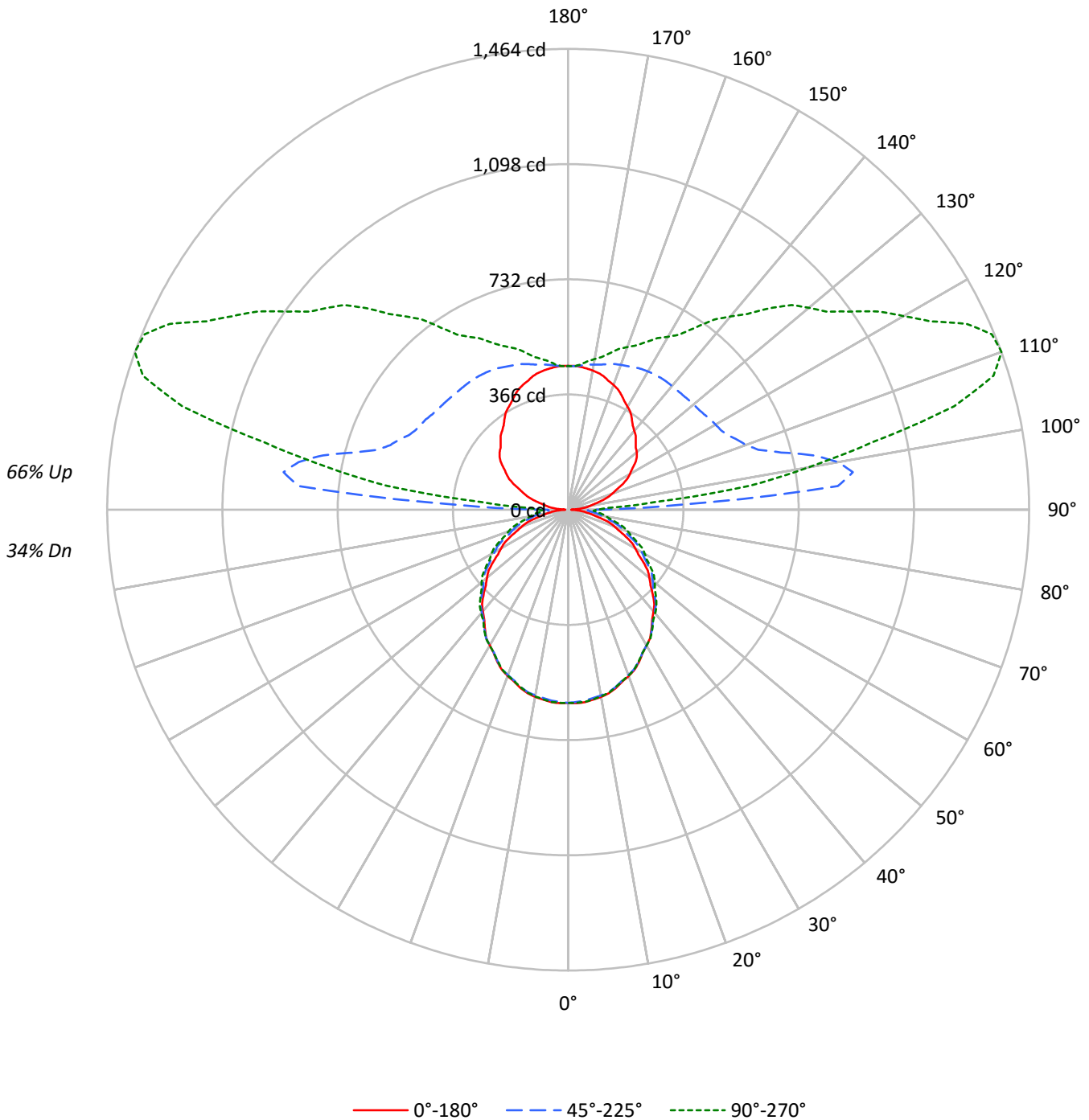
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333201-927

CATALOG NUMBER: S125DIP-S610D1205U927-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P333201-927

CATALOG NUMBER: S125DIP-S610D1205U927-4F0-1E-UDD-D4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | |
| 0 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 74 | 74 | 74 | 57 | 57 | 57 | 41 | 41 | 41 |
| 1 | 94 | 89 | 85 | 82 | 84 | 80 | 77 | 74 | 64 | 62 | 60 | 49 | 48 | 46 | 35 | 34 | 34 |
| 2 | 85 | 78 | 71 | 66 | 76 | 70 | 65 | 60 | 56 | 52 | 49 | 43 | 40 | 38 | 31 | 29 | 28 |
| 3 | 77 | 68 | 61 | 55 | 69 | 61 | 55 | 50 | 49 | 45 | 41 | 38 | 35 | 32 | 27 | 25 | 24 |
| 4 | 71 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 39 | 35 | 33 | 30 | 27 | 24 | 22 | 20 |
| 5 | 65 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 39 | 34 | 30 | 30 | 26 | 23 | 22 | 19 | 17 |
| 6 | 59 | 48 | 40 | 34 | 53 | 43 | 36 | 31 | 35 | 30 | 26 | 27 | 23 | 20 | 20 | 17 | 15 |
| 7 | 55 | 43 | 35 | 29 | 49 | 39 | 32 | 27 | 31 | 26 | 23 | 24 | 21 | 18 | 18 | 15 | 13 |
| 8 | 51 | 39 | 31 | 26 | 46 | 35 | 29 | 24 | 29 | 23 | 20 | 22 | 19 | 16 | 16 | 14 | 12 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 26 | 21 | 26 | 21 | 18 | 20 | 17 | 14 | 15 | 13 | 11 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 19 | 24 | 19 | 16 | 19 | 15 | 13 | 14 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3965 | 3965 | 3965 |
| 5° | 3973 | 3892 | 3904 |
| 10° | 3945 | 3822 | 3817 |
| 15° | 3898 | 3740 | 3705 |
| 20° | 3834 | 3636 | 3593 |
| 25° | 3759 | 3526 | 3457 |
| 30° | 3667 | 3405 | 3332 |
| 35° | 3583 | 3293 | 3217 |
| 40° | 3496 | 3176 | 3103 |
| 45° | 3398 | 3076 | 3001 |
| 50° | 3305 | 2967 | 2910 |
| 55° | 3192 | 2865 | 2804 |
| 60° | 3069 | 2747 | 2697 |
| 65° | 2942 | 2625 | 2574 |
| 70° | 2795 | 2458 | 2451 |
| 75° | 2563 | 2297 | 2296 |
| 80° | 2262 | 2101 | 2129 |
| 85° | 1981 | 1972 | 2077 |



TEST NUMBER: P333201-927

CATALOG NUMBER: S125DIP-S610D1205U927-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 58.1 | 1.1 |
| 10°-20° | 164.8 | 3.1 |
| 20°-30° | 245.1 | 4.6 |
| 30°-40° | 290.3 | 5.4 |
| 40°-50° | 300.2 | 5.6 |
| 50°-60° | 276.5 | 5.2 |
| 60°-70° | 223.5 | 4.2 |
| 70°-80° | 149.7 | 2.8 |
| 80°-90° | 80.2 | 1.5 |
| 90°-100° | 374.5 | 7.0 |
| 100°-110° | 743.5 | 14.0 |
| 110°-120° | 689.2 | 12.9 |
| 120°-130° | 553.3 | 10.4 |
| 130°-140° | 439.6 | 8.3 |
| 140°-150° | 328.8 | 6.2 |
| 150°-160° | 230.7 | 4.3 |
| 160°-170° | 136.0 | 2.6 |
| 170°-180° | 44.2 | 0.8 |
| 0°-30° | 467.9 | 8.8 |
| 0°-40° | 758.2 | 14.2 |
| 0°-60° | 1334.9 | 25.1 |
| 0°-90° | 1788.2 | 33.6 |
| 90°-120° | 1807.2 | 33.9 |
| 90°-150° | 3128.8 | 58.7 |
| 90°-180° | 3540.0 | 66.4 |
| 0°-180° | 5327.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 614 | 614 | 614 | 614 | 614 | |
| 5° | 614 | 613 | 608 | 613 | 613 | 58 |
| 15° | 586 | 587 | 583 | 586 | 584 | 165 |
| 25° | 533 | 534 | 531 | 533 | 530 | 245 |
| 35° | 461 | 465 | 463 | 465 | 465 | 288 |
| 45° | 380 | 386 | 389 | 393 | 394 | 293 |
| 55° | 292 | 302 | 311 | 318 | 320 | 261 |
| 65° | 201 | 215 | 229 | 238 | 241 | 199 |
| 75° | 111 | 127 | 146 | 157 | 161 | 117 |
| 85° | 33 | 53 | 74 | 87 | 92 | 35 |
| 90° | 10 | 37 | 64 | 82 | 89 | 8 |
| 95° | 38 | 114 | 860 | 427 | 278 | 38 |
| 105° | 109 | 161 | 700 | 1359 | 1269 | 115 |
| 115° | 190 | 233 | 559 | 1189 | 1396 | 186 |
| 125° | 260 | 304 | 527 | 942 | 1097 | 231 |
| 135° | 303 | 364 | 515 | 782 | 905 | 235 |
| 145° | 352 | 403 | 512 | 640 | 707 | 221 |
| 155° | 401 | 432 | 499 | 564 | 588 | 185 |
| 165° | 438 | 450 | 479 | 508 | 516 | 123 |
| 175° | 456 | 456 | 459 | 465 | 463 | 43 |
| 180° | 456 | 456 | 456 | 456 | 456 | |



TEST NUMBER: P333201-927

CATALOG NUMBER: S125DIP-S610D1205U927-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 |
| 2.5° | 615.4 | 615.1 | 615.0 | 614.7 | 614.5 | 614.0 | 613.3 | 612.5 | 611.8 | 611.0 | 611.8 |
| 5° | 613.9 | 613.6 | 613.4 | 613.1 | 612.8 | 612.3 | 611.3 | 610.4 | 609.4 | 608.5 | 609.6 |
| 7.5° | 608.5 | 608.4 | 608.3 | 608.2 | 608.1 | 607.5 | 606.6 | 605.6 | 604.7 | 603.7 | 604.6 |
| 10° | 603.7 | 603.7 | 603.7 | 603.7 | 603.7 | 603.2 | 602.1 | 601.0 | 599.9 | 598.9 | 599.8 |
| 12.5° | 597.0 | 597.1 | 597.1 | 597.3 | 597.4 | 597.0 | 596.1 | 595.3 | 594.5 | 593.6 | 594.3 |
| 15° | 586.2 | 586.4 | 586.5 | 586.6 | 586.8 | 586.4 | 585.4 | 584.5 | 583.6 | 582.7 | 583.4 |
| 17.5° | 572.3 | 572.5 | 572.8 | 573.1 | 573.4 | 573.0 | 572.1 | 571.2 | 570.2 | 569.3 | 569.9 |
| 20° | 562.1 | 562.4 | 562.7 | 563.0 | 563.2 | 562.9 | 562.0 | 561.0 | 560.1 | 559.1 | 559.5 |
| 22.5° | 550.6 | 551.1 | 551.6 | 552.1 | 552.5 | 552.2 | 551.2 | 550.2 | 549.1 | 548.1 | 548.6 |
| 25° | 532.7 | 533.1 | 533.5 | 533.9 | 534.2 | 534.1 | 533.3 | 532.5 | 531.6 | 530.8 | 531.4 |
| 27.5° | 512.7 | 513.3 | 513.9 | 514.4 | 515.1 | 514.9 | 514.0 | 513.1 | 512.1 | 511.3 | 511.6 |
| 30° | 497.7 | 498.6 | 499.4 | 500.2 | 501.0 | 501.0 | 500.2 | 499.4 | 498.6 | 497.7 | 498.0 |
| 32.5° | 484.3 | 485.0 | 485.7 | 486.4 | 487.0 | 487.1 | 486.6 | 485.9 | 485.4 | 484.7 | 485.1 |
| 35° | 461.1 | 462.0 | 463.0 | 463.8 | 464.8 | 465.1 | 464.7 | 464.2 | 463.8 | 463.4 | 463.8 |
| 37.5° | 437.8 | 438.7 | 439.5 | 440.4 | 441.2 | 441.6 | 441.5 | 441.3 | 441.2 | 441.1 | 441.6 |
| 40° | 421.9 | 423.0 | 424.1 | 425.2 | 426.2 | 426.7 | 426.5 | 426.4 | 426.3 | 426.1 | 426.7 |
| 42.5° | 404.6 | 406.0 | 407.3 | 408.8 | 410.2 | 411.0 | 411.3 | 411.6 | 411.9 | 412.2 | 412.8 |
| 45° | 379.8 | 381.3 | 382.7 | 384.2 | 385.7 | 386.7 | 387.5 | 388.1 | 388.7 | 389.4 | 390.4 |
| 47.5° | 354.4 | 355.8 | 357.1 | 358.5 | 359.9 | 361.1 | 362.3 | 363.4 | 364.6 | 365.7 | 367.1 |
| 50° | 337.1 | 338.5 | 340.0 | 341.5 | 342.9 | 344.4 | 345.9 | 347.4 | 348.8 | 350.3 | 351.8 |
| 52.5° | 318.8 | 320.5 | 322.3 | 324.2 | 325.9 | 327.7 | 329.5 | 331.3 | 333.1 | 334.9 | 336.4 |
| 55° | 291.9 | 294.1 | 296.2 | 298.3 | 300.5 | 302.6 | 304.8 | 306.9 | 309.0 | 311.2 | 312.7 |
| 57.5° | 264.5 | 267.0 | 269.6 | 272.2 | 274.7 | 277.3 | 279.7 | 282.2 | 284.6 | 287.1 | 288.8 |
| 60° | 246.2 | 248.8 | 251.5 | 254.2 | 256.9 | 259.5 | 262.2 | 264.9 | 267.6 | 270.2 | 272.3 |
| 62.5° | 228.4 | 231.0 | 233.7 | 236.4 | 239.1 | 241.9 | 244.7 | 247.6 | 250.5 | 253.4 | 255.6 |
| 65° | 201.1 | 204.1 | 207.2 | 210.2 | 213.3 | 216.5 | 219.7 | 222.9 | 226.1 | 229.3 | 231.3 |
| 67.5° | 175.3 | 178.2 | 181.2 | 184.2 | 187.1 | 190.3 | 193.5 | 196.8 | 200.0 | 203.4 | 205.7 |
| 70° | 156.5 | 159.5 | 162.6 | 165.7 | 168.8 | 172.1 | 175.5 | 179.0 | 182.5 | 186.0 | 188.5 |
| 72.5° | 138.2 | 141.4 | 144.6 | 147.7 | 150.9 | 154.4 | 158.2 | 162.0 | 165.8 | 169.6 | 172.4 |
| 75° | 110.7 | 114.2 | 117.7 | 121.2 | 124.7 | 128.6 | 132.8 | 137.1 | 141.4 | 145.7 | 148.3 |
| 77.5° | 84.4 | 88.4 | 92.4 | 96.4 | 100.4 | 104.5 | 108.6 | 112.7 | 116.8 | 121.0 | 123.9 |
| 80° | 68.0 | 72.0 | 76.0 | 80.1 | 84.1 | 88.3 | 92.9 | 97.4 | 102.0 | 106.5 | 109.5 |
| 82.5° | 53.1 | 57.3 | 61.6 | 65.8 | 70.0 | 74.5 | 79.1 | 83.7 | 88.4 | 93.1 | 95.9 |
| 85° | 33.1 | 37.5 | 41.9 | 46.3 | 50.8 | 55.3 | 60.0 | 64.6 | 69.3 | 74.1 | 77.0 |
| 87.5° | 18.9 | 23.4 | 28.0 | 32.7 | 37.4 | 42.1 | 46.9 | 51.8 | 56.6 | 61.5 | 64.7 |
| 90° | 10.5 | 15.8 | 21.9 | 28.0 | 34.1 | 40.4 | 45.9 | 52.2 | 57.7 | 64.1 | 68.0 |
| 92.5° | 19.9 | 26.2 | 37.9 | 53.3 | 73.1 | 104.3 | 159.2 | 248.2 | 344.4 | 344.2 | 290.7 |
| 95° | 38.2 | 42.6 | 53.5 | 67.0 | 90.8 | 136.2 | 239.2 | 446.3 | 704.9 | 859.5 | 844.9 |
| 97.5° | 57.5 | 61.8 | 70.0 | 83.3 | 104.6 | 138.2 | 207.8 | 360.6 | 630.8 | 911.9 | 1053.5 |
| 100° | 71.1 | 75.7 | 82.2 | 95.1 | 115.4 | 146.6 | 204.2 | 328.2 | 564.4 | 869.7 | 1102.6 |
| 102.5° | 86.0 | 89.8 | 95.3 | 108.8 | 127.4 | 157.6 | 209.3 | 313.9 | 514.0 | 797.8 | 1069.7 |
| 105° | 109.4 | 111.5 | 118.4 | 129.7 | 146.6 | 175.4 | 219.9 | 305.9 | 463.6 | 700.4 | 967.3 |
| 107.5° | 132.3 | 135.9 | 142.2 | 151.5 | 168.7 | 194.6 | 237.7 | 311.7 | 440.9 | 633.0 | 863.5 |
| 110° | 148.7 | 152.2 | 157.5 | 167.4 | 182.8 | 209.4 | 250.9 | 318.1 | 433.2 | 600.8 | 804.1 |



TEST NUMBER: P333201-927

CATALOG NUMBER: S125DIP-S610D1205U927-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 165.6 | 168.8 | 173.0 | 182.6 | 197.6 | 223.3 | 263.2 | 326.7 | 431.4 | 581.2 | 759.3 |
| 115° | 189.6 | 192.3 | 196.0 | 205.3 | 220.0 | 245.2 | 282.7 | 339.6 | 431.4 | 559.2 | 709.8 |
| 117.5° | 211.0 | 214.4 | 218.0 | 226.9 | 243.1 | 267.4 | 302.9 | 354.7 | 434.8 | 546.9 | 679.0 |
| 120° | 225.8 | 228.9 | 233.0 | 241.7 | 257.8 | 282.5 | 317.8 | 365.0 | 439.0 | 540.6 | 661.6 |
| 122.5° | 240.7 | 243.0 | 246.1 | 254.5 | 271.9 | 296.4 | 331.7 | 376.6 | 442.4 | 535.0 | 646.3 |
| 125° | 260.2 | 261.8 | 266.3 | 274.5 | 291.8 | 317.0 | 350.1 | 392.4 | 448.4 | 527.4 | 625.3 |
| 127.5° | 274.8 | 277.4 | 283.2 | 293.6 | 312.0 | 337.0 | 368.4 | 407.1 | 455.9 | 522.5 | 605.9 |
| 130° | 284.4 | 287.0 | 294.2 | 306.1 | 325.3 | 350.1 | 380.5 | 417.3 | 460.7 | 519.6 | 593.3 |
| 132.5° | 291.3 | 294.8 | 303.6 | 317.0 | 337.0 | 361.6 | 391.7 | 425.9 | 465.8 | 517.6 | 582.5 |
| 135° | 303.1 | 306.7 | 317.6 | 332.2 | 351.3 | 376.6 | 406.1 | 437.4 | 472.4 | 514.8 | 568.9 |
| 137.5° | 318.1 | 320.8 | 331.0 | 345.5 | 364.4 | 390.2 | 416.6 | 446.2 | 479.0 | 513.7 | 557.2 |
| 140° | 326.5 | 329.2 | 340.2 | 355.0 | 372.5 | 397.4 | 424.2 | 451.9 | 481.6 | 513.0 | 551.3 |
| 142.5° | 336.8 | 338.7 | 348.9 | 363.5 | 380.2 | 403.5 | 428.7 | 454.9 | 482.9 | 512.8 | 546.4 |
| 145° | 352.2 | 353.9 | 363.0 | 375.7 | 392.2 | 413.3 | 437.2 | 460.3 | 485.1 | 511.7 | 540.1 |
| 147.5° | 367.8 | 368.9 | 376.8 | 388.8 | 403.1 | 421.8 | 442.8 | 463.6 | 486.0 | 509.4 | 533.9 |
| 150° | 377.4 | 379.2 | 385.7 | 397.7 | 410.5 | 426.2 | 446.4 | 465.8 | 486.0 | 507.2 | 529.3 |
| 152.5° | 387.7 | 388.8 | 394.5 | 405.0 | 417.2 | 431.3 | 450.1 | 467.2 | 485.3 | 504.2 | 524.1 |
| 155° | 401.3 | 401.3 | 406.9 | 416.1 | 425.2 | 438.2 | 453.8 | 468.5 | 483.2 | 498.9 | 515.5 |
| 157.5° | 413.5 | 413.3 | 417.7 | 425.6 | 433.7 | 443.5 | 456.9 | 469.4 | 480.9 | 493.4 | 507.4 |
| 160° | 421.6 | 420.6 | 424.4 | 430.8 | 438.2 | 446.4 | 458.4 | 469.4 | 478.6 | 489.7 | 500.7 |
| 162.5° | 428.2 | 427.3 | 430.9 | 436.7 | 442.6 | 449.4 | 459.9 | 468.7 | 476.4 | 485.3 | 494.9 |
| 165° | 438.2 | 436.3 | 439.1 | 443.7 | 447.3 | 452.9 | 460.3 | 467.6 | 473.1 | 478.6 | 486.0 |
| 167.5° | 444.8 | 443.9 | 445.5 | 448.1 | 450.7 | 454.2 | 460.3 | 465.4 | 467.9 | 472.2 | 477.4 |
| 170° | 449.2 | 448.3 | 449.2 | 451.1 | 452.9 | 455.7 | 460.3 | 463.9 | 465.8 | 468.5 | 472.2 |
| 172.5° | 452.2 | 450.5 | 451.4 | 453.2 | 454.3 | 455.7 | 459.5 | 462.5 | 462.8 | 464.1 | 467.1 |
| 175° | 455.7 | 453.8 | 454.7 | 455.7 | 455.7 | 455.7 | 458.4 | 460.3 | 459.3 | 459.3 | 460.3 |
| 177.5° | 457.3 | 455.8 | 455.8 | 456.5 | 455.8 | 455.8 | 457.3 | 458.0 | 456.5 | 456.5 | 457.3 |
| 180° | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 |



TEST NUMBER: P333201-927

CATALOG NUMBER: S125DIP-S610D1205U927-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 | 613.9 |
| 2.5° | 612.5 | 613.3 | 614.0 | 614.3 | 614.3 | 614.2 | 614.0 | 613.9 |
| 5° | 610.6 | 611.7 | 612.8 | 613.2 | 613.1 | 613.0 | 612.8 | 612.8 |
| 7.5° | 605.5 | 606.5 | 607.4 | 607.8 | 607.7 | 607.6 | 607.4 | 607.3 |
| 10° | 600.8 | 601.7 | 602.6 | 603.0 | 602.9 | 602.8 | 602.6 | 602.5 |
| 12.5° | 595.0 | 595.7 | 596.5 | 596.7 | 596.3 | 596.0 | 595.6 | 595.2 |
| 15° | 584.2 | 585.0 | 585.8 | 586.0 | 585.4 | 584.9 | 584.4 | 583.8 |
| 17.5° | 570.5 | 571.1 | 571.7 | 571.9 | 571.6 | 571.2 | 570.9 | 570.6 |
| 20° | 560.0 | 560.4 | 560.8 | 560.9 | 560.9 | 560.9 | 560.9 | 560.9 |
| 22.5° | 549.1 | 549.6 | 550.1 | 550.2 | 549.9 | 549.5 | 549.2 | 548.9 |
| 25° | 532.0 | 532.5 | 533.0 | 533.0 | 532.3 | 531.6 | 530.9 | 530.3 |
| 27.5° | 512.0 | 512.4 | 512.8 | 512.8 | 512.5 | 512.3 | 512.1 | 511.8 |
| 30° | 498.3 | 498.6 | 498.8 | 498.9 | 498.8 | 498.6 | 498.5 | 498.4 |
| 32.5° | 485.3 | 485.5 | 485.8 | 485.9 | 485.8 | 485.6 | 485.5 | 485.4 |
| 35° | 464.2 | 464.7 | 465.1 | 465.2 | 465.2 | 465.2 | 465.2 | 465.2 |
| 37.5° | 442.1 | 442.7 | 443.2 | 443.5 | 443.4 | 443.3 | 443.3 | 443.2 |
| 40° | 427.2 | 427.8 | 428.3 | 428.6 | 429.0 | 429.2 | 429.5 | 429.8 |
| 42.5° | 413.4 | 414.1 | 414.7 | 415.1 | 415.2 | 415.2 | 415.3 | 415.3 |
| 45° | 391.3 | 392.2 | 393.2 | 393.7 | 393.9 | 394.0 | 394.1 | 394.3 |
| 47.5° | 368.4 | 369.8 | 371.1 | 372.0 | 372.3 | 372.6 | 372.9 | 373.2 |
| 50° | 353.2 | 354.7 | 356.2 | 357.1 | 357.5 | 357.9 | 358.3 | 358.7 |
| 52.5° | 338.0 | 339.6 | 341.2 | 342.1 | 342.5 | 342.7 | 343.0 | 343.3 |
| 55° | 314.1 | 315.6 | 317.0 | 318.1 | 318.6 | 319.2 | 319.6 | 320.2 |
| 57.5° | 290.5 | 292.2 | 293.8 | 294.9 | 295.3 | 295.7 | 296.1 | 296.5 |
| 60° | 274.3 | 276.2 | 278.3 | 279.5 | 279.9 | 280.3 | 280.7 | 281.1 |
| 62.5° | 257.9 | 260.1 | 262.3 | 263.6 | 264.1 | 264.7 | 265.1 | 265.7 |
| 65° | 233.3 | 235.4 | 237.3 | 238.6 | 239.2 | 239.7 | 240.2 | 240.7 |
| 67.5° | 208.2 | 210.6 | 213.0 | 214.6 | 215.3 | 216.0 | 216.7 | 217.4 |
| 70° | 191.1 | 193.6 | 196.1 | 197.8 | 198.6 | 199.4 | 200.3 | 201.1 |
| 72.5° | 175.2 | 177.8 | 180.6 | 182.3 | 182.9 | 183.5 | 184.1 | 184.7 |
| 75° | 151.0 | 153.7 | 156.4 | 158.0 | 158.7 | 159.4 | 160.0 | 160.7 |
| 77.5° | 126.8 | 129.8 | 132.8 | 134.5 | 135.0 | 135.5 | 136.1 | 136.7 |
| 80° | 112.4 | 115.3 | 118.3 | 120.0 | 120.6 | 121.1 | 121.7 | 122.2 |
| 82.5° | 98.7 | 101.6 | 104.4 | 106.3 | 107.3 | 108.2 | 109.2 | 110.1 |
| 85° | 79.9 | 82.9 | 85.8 | 87.8 | 88.9 | 89.9 | 91.0 | 92.1 |
| 87.5° | 68.0 | 71.2 | 74.5 | 76.8 | 77.8 | 78.7 | 79.9 | 80.8 |
| 90° | 72.1 | 76.0 | 80.1 | 83.9 | 84.8 | 85.8 | 87.6 | 88.6 |
| 92.5° | 216.5 | 174.7 | 148.4 | 136.7 | 125.9 | 124.6 | 124.3 | 123.7 |
| 95° | 711.6 | 574.6 | 464.4 | 389.0 | 324.6 | 297.9 | 291.5 | 277.7 |
| 97.5° | 1032.2 | 936.9 | 829.4 | 723.7 | 667.8 | 617.2 | 591.4 | 580.5 |
| 100° | 1176.3 | 1134.0 | 1042.0 | 948.1 | 885.4 | 819.9 | 786.6 | 772.8 |
| 102.5° | 1223.5 | 1254.0 | 1211.2 | 1148.2 | 1081.1 | 1034.7 | 998.5 | 988.3 |
| 105° | 1190.9 | 1319.7 | 1362.9 | 1354.6 | 1326.0 | 1296.6 | 1279.1 | 1269.0 |
| 107.5° | 1084.1 | 1255.1 | 1361.7 | 1411.5 | 1427.2 | 1427.9 | 1422.6 | 1416.1 |
| 110° | 1005.4 | 1182.8 | 1315.2 | 1395.1 | 1437.5 | 1456.0 | 1463.3 | 1464.3 |



TEST NUMBER: P333201-927

CATALOG NUMBER: S125DIP-S610D1205U927-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 942.9 | 1111.4 | 1245.1 | 1338.9 | 1400.5 | 1431.4 | 1448.3 | 1456.0 |
| 115° | 864.1 | 1009.2 | 1137.7 | 1239.6 | 1312.2 | 1357.2 | 1383.8 | 1396.5 |
| 117.5° | 812.0 | 937.2 | 1048.1 | 1141.8 | 1214.4 | 1261.0 | 1287.5 | 1295.8 |
| 120° | 783.5 | 896.3 | 999.8 | 1082.4 | 1151.3 | 1196.2 | 1221.9 | 1230.0 |
| 122.5° | 761.5 | 866.0 | 958.4 | 1035.7 | 1097.3 | 1138.6 | 1164.3 | 1171.6 |
| 125° | 729.7 | 825.7 | 907.9 | 975.6 | 1027.8 | 1066.2 | 1087.1 | 1097.0 |
| 127.5° | 697.1 | 786.7 | 863.5 | 926.9 | 974.4 | 1008.5 | 1028.4 | 1033.2 |
| 130° | 677.1 | 759.9 | 833.6 | 894.7 | 941.4 | 972.4 | 991.5 | 997.7 |
| 132.5° | 656.7 | 734.4 | 801.5 | 860.3 | 906.9 | 937.9 | 955.3 | 962.2 |
| 135° | 629.6 | 694.9 | 755.5 | 809.2 | 850.3 | 881.4 | 898.7 | 904.8 |
| 137.5° | 606.9 | 659.8 | 710.3 | 756.0 | 792.8 | 820.9 | 836.8 | 843.4 |
| 140° | 594.1 | 638.9 | 682.7 | 722.4 | 757.0 | 781.4 | 795.8 | 800.9 |
| 142.5° | 583.2 | 621.1 | 658.8 | 693.2 | 722.6 | 743.5 | 757.0 | 761.4 |
| 145° | 569.3 | 598.5 | 627.6 | 653.2 | 675.7 | 692.0 | 702.6 | 706.8 |
| 147.5° | 556.6 | 580.0 | 602.1 | 621.2 | 638.8 | 651.6 | 657.7 | 659.7 |
| 150° | 549.5 | 569.8 | 587.2 | 603.9 | 617.8 | 629.0 | 632.9 | 633.9 |
| 152.5° | 542.2 | 560.2 | 576.2 | 589.1 | 600.7 | 609.6 | 613.3 | 614.3 |
| 155° | 531.1 | 545.8 | 558.7 | 568.9 | 578.1 | 584.5 | 587.2 | 588.2 |
| 157.5° | 520.1 | 532.2 | 542.2 | 550.1 | 557.2 | 562.6 | 565.1 | 565.0 |
| 160° | 512.7 | 521.9 | 531.1 | 537.6 | 544.0 | 548.6 | 550.5 | 549.5 |
| 162.5° | 504.6 | 513.1 | 520.8 | 526.5 | 531.5 | 535.4 | 535.8 | 535.5 |
| 165° | 493.4 | 499.8 | 505.3 | 509.9 | 513.7 | 515.5 | 515.5 | 515.5 |
| 167.5° | 482.7 | 487.0 | 491.2 | 494.5 | 496.3 | 498.0 | 497.3 | 497.1 |
| 170° | 476.8 | 479.6 | 482.4 | 484.2 | 486.0 | 487.0 | 487.0 | 486.0 |
| 172.5° | 470.2 | 472.9 | 475.0 | 476.1 | 476.4 | 478.1 | 476.7 | 475.7 |
| 175° | 463.0 | 463.0 | 464.9 | 464.9 | 464.9 | 465.8 | 463.9 | 463.0 |
| 177.5° | 458.0 | 458.8 | 458.8 | 458.8 | 458.0 | 458.8 | 456.5 | 456.5 |
| 180° | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 | 456.5 |

(END OF REPORT)