

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: P332533

Luminaire Tested: **S124DIP-S350D1205U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332533
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S350D1205U835-4F0-1E-UDD-F1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5688.1 lumens
Efficiency: N/A
Efficacy: 134.8 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

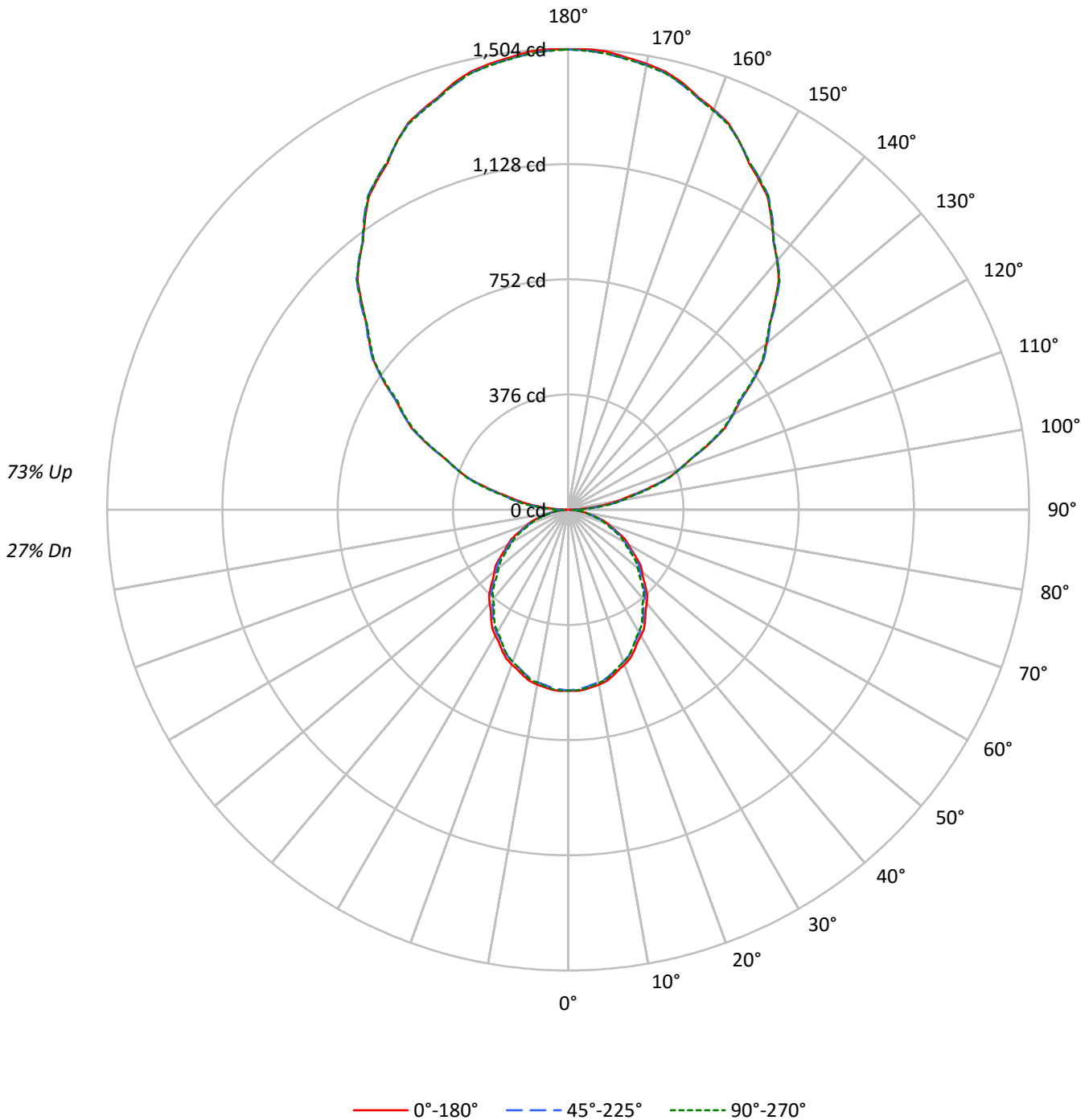
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332533

CATALOG NUMBER: S124DIP-S350D1205U835-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332533

CATALOG NUMBER: S124DIP-S350D1205U835-4F0-1E-UDD-F1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 70 | 70 | 70 | 52 | 52 | 52 | 35 | 35 | 35 | 27 |
| 1 | 93 | 88 | 85 | 81 | 82 | 79 | 76 | 73 | 61 | 59 | 57 | 45 | 44 | 43 | 31 | 30 | 29 | 22 |
| 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 60 | 54 | 50 | 48 | 40 | 38 | 36 | 27 | 26 | 25 | 19 |
| 3 | 77 | 68 | 61 | 55 | 68 | 61 | 55 | 50 | 47 | 43 | 40 | 35 | 32 | 30 | 24 | 22 | 21 | 16 |
| 4 | 70 | 60 | 52 | 46 | 62 | 54 | 47 | 42 | 42 | 37 | 34 | 31 | 28 | 26 | 21 | 19 | 18 | 14 |
| 5 | 64 | 53 | 45 | 40 | 57 | 48 | 41 | 36 | 37 | 33 | 29 | 28 | 25 | 22 | 19 | 17 | 16 | 12 |
| 6 | 59 | 47 | 40 | 34 | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 25 | 22 | 19 | 17 | 15 | 14 | 10 |
| 7 | 54 | 43 | 35 | 30 | 48 | 38 | 32 | 27 | 30 | 26 | 22 | 23 | 20 | 17 | 16 | 14 | 12 | 9 |
| 8 | 50 | 39 | 31 | 26 | 45 | 35 | 28 | 24 | 28 | 23 | 19 | 21 | 18 | 15 | 14 | 12 | 11 | 8 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 25 | 21 | 25 | 21 | 17 | 19 | 16 | 14 | 13 | 11 | 10 | 7 |
| 10 | 44 | 32 | 25 | 21 | 39 | 29 | 23 | 19 | 23 | 19 | 15 | 18 | 14 | 12 | 12 | 10 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4769 | 4769 | 4769 |
| 5° | 4783 | 4725 | 4760 |
| 10° | 4753 | 4687 | 4710 |
| 15° | 4695 | 4621 | 4633 |
| 20° | 4619 | 4538 | 4542 |
| 25° | 4532 | 4444 | 4431 |
| 30° | 4426 | 4333 | 4294 |
| 35° | 4315 | 4217 | 4161 |
| 40° | 4200 | 4086 | 4011 |
| 45° | 4080 | 3956 | 3881 |
| 50° | 3947 | 3841 | 3721 |
| 55° | 3804 | 3690 | 3571 |
| 60° | 3660 | 3523 | 3416 |
| 65° | 3500 | 3364 | 3228 |
| 70° | 3319 | 3151 | 3028 |
| 75° | 3041 | 2895 | 2820 |
| 80° | 2706 | 2599 | 2529 |
| 85° | 2371 | 2279 | 2232 |



TEST NUMBER: P332533

CATALOG NUMBER: S124DIP-S350D1205U835-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.6 | 1.0 |
| 10°-20° | 156.7 | 2.8 |
| 20°-30° | 230.7 | 4.1 |
| 30°-40° | 268.2 | 4.7 |
| 40°-50° | 268.2 | 4.7 |
| 50°-60° | 234.6 | 4.1 |
| 60°-70° | 174.2 | 3.1 |
| 70°-80° | 99.0 | 1.7 |
| 80°-90° | 33.1 | 0.6 |
| 90°-100° | 99.1 | 1.7 |
| 100°-110° | 293.5 | 5.2 |
| 110°-120° | 498.2 | 8.8 |
| 120°-130° | 656.9 | 11.5 |
| 130°-140° | 737.7 | 13.0 |
| 140°-150° | 724.9 | 12.7 |
| 150°-160° | 609.7 | 10.7 |
| 160°-170° | 405.7 | 7.1 |
| 170°-180° | 142.1 | 2.5 |
| 0°-30° | 443.1 | 7.8 |
| 0°-40° | 711.3 | 12.5 |
| 0°-60° | 1214.1 | 21.3 |
| 0°-90° | 1520.4 | 26.7 |
| 90°-120° | 890.8 | 15.7 |
| 90°-150° | 3010.3 | 52.9 |
| 90°-180° | 4168.0 | 73.3 |
| 0°-180° | 5688.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 591 | 591 | 591 | 591 | 591 | |
| 5° | 590 | 588 | 583 | 588 | 587 | 56 |
| 15° | 562 | 560 | 553 | 555 | 554 | 158 |
| 25° | 509 | 505 | 499 | 499 | 498 | 234 |
| 35° | 438 | 434 | 428 | 425 | 422 | 274 |
| 45° | 357 | 354 | 346 | 342 | 340 | 275 |
| 55° | 270 | 269 | 262 | 257 | 254 | 242 |
| 65° | 183 | 181 | 176 | 172 | 169 | 181 |
| 75° | 98 | 95 | 93 | 91 | 90 | 104 |
| 85° | 26 | 26 | 25 | 25 | 24 | 28 |
| 90° | 4 | 16 | 26 | 32 | 35 | 6 |
| 95° | 70 | 80 | 88 | 92 | 92 | 78 |
| 105° | 271 | 272 | 276 | 280 | 284 | 287 |
| 115° | 506 | 506 | 504 | 503 | 502 | 499 |
| 125° | 738 | 738 | 737 | 734 | 732 | 657 |
| 135° | 952 | 958 | 958 | 956 | 953 | 736 |
| 145° | 1156 | 1160 | 1162 | 1160 | 1157 | 723 |
| 155° | 1324 | 1324 | 1323 | 1327 | 1323 | 609 |
| 165° | 1442 | 1438 | 1436 | 1442 | 1438 | 406 |
| 175° | 1500 | 1494 | 1493 | 1500 | 1493 | 142 |
| 180° | 1502 | 1502 | 1502 | 1502 | 1502 | |



TEST NUMBER: P332533

CATALOG NUMBER: S124DIP-S350D1205U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 |
| 2.5° | 592.2 | 592.0 | 591.7 | 591.5 | 591.2 | 590.6 | 589.7 | 588.8 | 587.9 | 586.9 | 587.8 |
| 5° | 590.2 | 589.8 | 589.4 | 589.0 | 588.6 | 587.8 | 586.6 | 585.5 | 584.3 | 583.1 | 584.3 |
| 7.5° | 584.8 | 584.3 | 583.9 | 583.5 | 583.1 | 582.2 | 580.9 | 579.7 | 578.4 | 577.1 | 578.0 |
| 10° | 579.8 | 579.4 | 579.0 | 578.6 | 578.2 | 577.3 | 575.9 | 574.5 | 573.2 | 571.8 | 572.6 |
| 12.5° | 573.4 | 573.0 | 572.6 | 572.1 | 571.7 | 570.8 | 569.3 | 567.9 | 566.4 | 565.0 | 565.9 |
| 15° | 561.8 | 561.4 | 561.0 | 560.6 | 560.2 | 559.2 | 557.6 | 556.0 | 554.4 | 552.9 | 553.5 |
| 17.5° | 547.9 | 547.4 | 546.9 | 546.4 | 545.8 | 544.8 | 543.3 | 541.8 | 540.3 | 538.8 | 539.2 |
| 20° | 537.7 | 537.2 | 536.7 | 536.1 | 535.6 | 534.6 | 533.0 | 531.4 | 529.8 | 528.2 | 528.6 |
| 22.5° | 526.7 | 526.0 | 525.3 | 524.6 | 523.9 | 522.8 | 521.2 | 519.7 | 518.1 | 516.5 | 517.1 |
| 25° | 508.8 | 508.1 | 507.4 | 506.6 | 505.9 | 504.8 | 503.3 | 501.8 | 500.4 | 498.9 | 499.0 |
| 27.5° | 488.4 | 487.6 | 486.9 | 486.1 | 485.4 | 484.3 | 482.9 | 481.6 | 480.2 | 478.8 | 478.6 |
| 30° | 474.8 | 473.9 | 473.1 | 472.2 | 471.4 | 470.3 | 468.9 | 467.5 | 466.2 | 464.8 | 464.4 |
| 32.5° | 460.4 | 459.6 | 458.8 | 458.1 | 457.3 | 456.2 | 454.8 | 453.3 | 451.9 | 450.4 | 449.9 |
| 35° | 437.8 | 437.1 | 436.4 | 435.6 | 434.9 | 433.8 | 432.3 | 430.8 | 429.4 | 427.9 | 427.2 |
| 37.5° | 414.1 | 413.4 | 412.7 | 412.1 | 411.4 | 410.3 | 408.7 | 407.1 | 405.5 | 403.9 | 403.1 |
| 40° | 398.5 | 397.7 | 396.9 | 396.0 | 395.2 | 394.0 | 392.4 | 390.8 | 389.2 | 387.7 | 386.6 |
| 42.5° | 381.9 | 381.4 | 380.9 | 380.4 | 379.9 | 378.7 | 377.0 | 375.2 | 373.5 | 371.8 | 370.5 |
| 45° | 357.4 | 356.6 | 355.9 | 355.2 | 354.4 | 353.2 | 351.5 | 349.8 | 348.2 | 346.5 | 345.3 |
| 47.5° | 331.7 | 331.2 | 330.7 | 330.2 | 329.7 | 328.7 | 327.1 | 325.5 | 324.0 | 322.4 | 321.1 |
| 50° | 314.3 | 313.9 | 313.5 | 313.0 | 312.6 | 311.7 | 310.2 | 308.7 | 307.2 | 305.8 | 304.3 |
| 52.5° | 297.3 | 296.7 | 296.2 | 295.7 | 295.2 | 294.2 | 292.6 | 291.1 | 289.5 | 288.0 | 286.7 |
| 55° | 270.3 | 270.0 | 269.6 | 269.3 | 269.0 | 268.1 | 266.6 | 265.2 | 263.7 | 262.2 | 261.0 |
| 57.5° | 244.5 | 244.2 | 243.8 | 243.5 | 243.1 | 242.2 | 240.7 | 239.3 | 237.8 | 236.4 | 235.2 |
| 60° | 226.7 | 226.2 | 225.7 | 225.1 | 224.6 | 223.7 | 222.3 | 220.9 | 219.6 | 218.2 | 217.3 |
| 62.5° | 209.3 | 208.9 | 208.4 | 208.0 | 207.5 | 206.6 | 205.1 | 203.7 | 202.2 | 200.8 | 199.9 |
| 65° | 183.2 | 182.7 | 182.1 | 181.6 | 181.1 | 180.3 | 179.2 | 178.2 | 177.1 | 176.1 | 175.0 |
| 67.5° | 156.9 | 156.4 | 155.9 | 155.4 | 154.9 | 154.2 | 153.2 | 152.2 | 151.2 | 150.1 | 149.1 |
| 70° | 140.6 | 139.8 | 139.1 | 138.4 | 137.6 | 136.8 | 136.0 | 135.2 | 134.3 | 133.5 | 132.6 |
| 72.5° | 123.2 | 122.4 | 121.7 | 121.0 | 120.2 | 119.5 | 118.8 | 118.2 | 117.5 | 116.8 | 116.1 |
| 75° | 97.5 | 97.0 | 96.5 | 95.9 | 95.4 | 94.9 | 94.4 | 93.8 | 93.3 | 92.8 | 92.4 |
| 77.5° | 73.0 | 72.8 | 72.5 | 72.3 | 72.1 | 71.7 | 71.3 | 70.8 | 70.3 | 69.9 | 69.7 |
| 80° | 58.2 | 57.9 | 57.6 | 57.3 | 57.0 | 56.7 | 56.5 | 56.3 | 56.1 | 55.9 | 55.6 |
| 82.5° | 43.8 | 43.7 | 43.5 | 43.4 | 43.2 | 43.1 | 43.1 | 43.1 | 43.0 | 43.0 | 42.9 |
| 85° | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.5 | 25.2 | 25.0 | 24.8 | 24.6 | 24.6 |
| 87.5° | 10.5 | 11.0 | 11.5 | 12.0 | 12.5 | 12.9 | 13.2 | 13.5 | 13.9 | 14.2 | 14.5 |
| 90° | 3.5 | 6.3 | 9.2 | 12.0 | 14.8 | 17.3 | 19.4 | 21.4 | 23.5 | 25.6 | 27.1 |
| 92.5° | 24.9 | 28.1 | 31.4 | 34.6 | 37.9 | 40.2 | 41.7 | 43.1 | 44.6 | 46.0 | 46.9 |
| 95° | 69.7 | 72.0 | 74.4 | 76.7 | 79.0 | 81.1 | 82.9 | 84.7 | 86.5 | 88.3 | 89.1 |
| 97.5° | 121.8 | 123.6 | 125.5 | 127.3 | 129.2 | 131.2 | 133.3 | 135.4 | 137.5 | 139.6 | 140.6 |
| 100° | 162.7 | 163.7 | 164.7 | 165.7 | 166.8 | 168.5 | 170.8 | 173.1 | 175.4 | 177.8 | 178.3 |
| 102.5° | 205.4 | 205.8 | 206.2 | 206.6 | 207.1 | 208.3 | 210.4 | 212.6 | 214.7 | 216.8 | 217.5 |
| 105° | 270.7 | 271.0 | 271.2 | 271.5 | 271.7 | 272.4 | 273.4 | 274.4 | 275.5 | 276.5 | 277.3 |
| 107.5° | 339.2 | 339.6 | 339.9 | 340.2 | 340.5 | 340.7 | 340.9 | 341.0 | 341.2 | 341.3 | 342.1 |
| 110° | 385.7 | 386.2 | 386.7 | 387.3 | 387.8 | 387.9 | 387.7 | 387.4 | 387.1 | 386.9 | 386.4 |



TEST NUMBER: P332533

CATALOG NUMBER: S124DIP-S350D1205U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 434.0 | 434.2 | 434.3 | 434.4 | 434.5 | 434.3 | 433.8 | 433.4 | 432.9 | 432.4 | 432.3 |
| 115° | 506.5 | 506.5 | 506.5 | 506.5 | 506.5 | 506.3 | 505.8 | 505.3 | 504.7 | 504.2 | 504.0 |
| 117.5° | 574.9 | 575.1 | 575.3 | 575.5 | 575.7 | 575.6 | 575.2 | 574.9 | 574.5 | 574.2 | 573.3 |
| 120° | 620.4 | 621.4 | 622.5 | 623.5 | 624.5 | 624.7 | 623.9 | 623.1 | 622.3 | 621.6 | 620.3 |
| 122.5° | 667.8 | 668.2 | 668.6 | 669.0 | 669.5 | 669.5 | 669.1 | 668.8 | 668.4 | 668.0 | 667.2 |
| 125° | 737.7 | 737.7 | 737.7 | 737.7 | 737.7 | 737.6 | 737.4 | 737.1 | 736.8 | 736.6 | 736.1 |
| 127.5° | 801.2 | 802.0 | 802.7 | 803.5 | 804.3 | 804.5 | 804.0 | 803.6 | 803.2 | 802.8 | 802.3 |
| 130° | 845.8 | 846.6 | 847.3 | 848.1 | 848.9 | 849.3 | 849.3 | 849.3 | 849.3 | 849.3 | 848.8 |
| 132.5° | 891.3 | 891.9 | 892.5 | 893.0 | 893.6 | 893.8 | 893.6 | 893.4 | 893.2 | 893.0 | 892.4 |
| 135° | 951.5 | 953.1 | 954.6 | 956.2 | 957.7 | 958.5 | 958.5 | 958.5 | 958.5 | 958.5 | 958.0 |
| 137.5° | 1017.0 | 1017.8 | 1018.5 | 1019.2 | 1019.9 | 1020.5 | 1020.9 | 1021.3 | 1021.7 | 1022.1 | 1021.5 |
| 140° | 1060.7 | 1061.2 | 1061.8 | 1062.3 | 1062.8 | 1063.0 | 1063.0 | 1063.0 | 1063.0 | 1063.0 | 1062.8 |
| 142.5° | 1100.7 | 1101.2 | 1101.7 | 1102.2 | 1102.8 | 1102.9 | 1102.7 | 1102.5 | 1102.3 | 1102.1 | 1102.0 |
| 145° | 1156.0 | 1157.0 | 1158.1 | 1159.1 | 1160.1 | 1160.8 | 1161.0 | 1161.3 | 1161.5 | 1161.8 | 1161.5 |
| 147.5° | 1210.8 | 1212.1 | 1213.3 | 1214.5 | 1215.8 | 1216.3 | 1216.1 | 1215.9 | 1215.7 | 1215.5 | 1215.3 |
| 150° | 1244.3 | 1245.3 | 1246.4 | 1247.4 | 1248.4 | 1248.9 | 1248.9 | 1248.9 | 1248.9 | 1248.9 | 1248.9 |
| 152.5° | 1275.9 | 1276.5 | 1277.1 | 1277.7 | 1278.4 | 1278.8 | 1279.0 | 1279.2 | 1279.4 | 1279.6 | 1280.2 |
| 155° | 1324.4 | 1324.4 | 1324.4 | 1324.4 | 1324.4 | 1324.3 | 1324.1 | 1323.8 | 1323.5 | 1323.3 | 1324.3 |
| 157.5° | 1365.3 | 1364.9 | 1364.4 | 1364.0 | 1363.5 | 1363.2 | 1363.2 | 1363.1 | 1363.1 | 1363.0 | 1363.8 |
| 160° | 1389.5 | 1389.3 | 1389.0 | 1388.7 | 1388.5 | 1388.2 | 1388.0 | 1387.7 | 1387.4 | 1387.2 | 1388.0 |
| 162.5° | 1411.8 | 1411.1 | 1410.5 | 1409.8 | 1409.1 | 1408.7 | 1408.4 | 1408.2 | 1407.9 | 1407.6 | 1409.0 |
| 165° | 1441.8 | 1441.0 | 1440.2 | 1439.5 | 1438.7 | 1438.0 | 1437.5 | 1437.0 | 1436.5 | 1436.0 | 1437.5 |
| 167.5° | 1464.8 | 1463.7 | 1462.6 | 1461.5 | 1460.5 | 1459.9 | 1460.0 | 1460.0 | 1460.1 | 1460.1 | 1461.7 |
| 170° | 1477.8 | 1476.5 | 1475.2 | 1473.9 | 1472.6 | 1472.1 | 1472.4 | 1472.6 | 1472.9 | 1473.2 | 1474.7 |
| 172.5° | 1487.1 | 1486.0 | 1484.9 | 1483.8 | 1482.8 | 1482.2 | 1482.3 | 1482.4 | 1482.4 | 1482.5 | 1484.2 |
| 175° | 1499.9 | 1498.6 | 1497.3 | 1496.0 | 1494.7 | 1493.9 | 1493.7 | 1493.4 | 1493.2 | 1492.9 | 1494.7 |
| 177.5° | 1504.1 | 1503.0 | 1502.0 | 1501.0 | 1499.9 | 1499.4 | 1499.4 | 1499.4 | 1499.4 | 1499.4 | 1500.9 |
| 180° | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 |



TEST NUMBER: P332533

CATALOG NUMBER: S124DIP-S350D1205U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 | 590.7 |
| 2.5° | 588.6 | 589.5 | 590.3 | 590.7 | 590.6 | 590.5 | 590.4 | 590.3 |
| 5° | 585.5 | 586.6 | 587.8 | 588.2 | 588.0 | 587.8 | 587.6 | 587.4 |
| 7.5° | 578.9 | 579.9 | 580.8 | 581.2 | 581.1 | 580.9 | 580.8 | 580.7 |
| 10° | 573.5 | 574.3 | 575.2 | 575.5 | 575.3 | 575.0 | 574.8 | 574.6 |
| 12.5° | 566.8 | 567.7 | 568.7 | 569.0 | 568.7 | 568.4 | 568.1 | 567.8 |
| 15° | 554.1 | 554.7 | 555.4 | 555.5 | 555.2 | 554.9 | 554.6 | 554.3 |
| 17.5° | 539.6 | 540.0 | 540.4 | 540.5 | 540.3 | 540.1 | 539.9 | 539.7 |
| 20° | 528.9 | 529.2 | 529.5 | 529.6 | 529.3 | 529.1 | 528.9 | 528.7 |
| 22.5° | 517.6 | 518.2 | 518.8 | 518.9 | 518.5 | 518.1 | 517.7 | 517.4 |
| 25° | 499.1 | 499.2 | 499.3 | 499.2 | 498.7 | 498.3 | 497.9 | 497.5 |
| 27.5° | 478.3 | 478.1 | 477.8 | 477.4 | 476.9 | 476.4 | 475.8 | 475.3 |
| 30° | 464.0 | 463.6 | 463.1 | 462.7 | 462.1 | 461.6 | 461.1 | 460.6 |
| 32.5° | 449.4 | 448.9 | 448.4 | 447.9 | 447.4 | 446.8 | 446.3 | 445.8 |
| 35° | 426.4 | 425.7 | 424.9 | 424.3 | 423.8 | 423.3 | 422.7 | 422.2 |
| 37.5° | 402.3 | 401.5 | 400.7 | 400.0 | 399.3 | 398.6 | 397.9 | 397.2 |
| 40° | 385.6 | 384.5 | 383.5 | 382.7 | 382.1 | 381.6 | 381.1 | 380.6 |
| 42.5° | 369.3 | 368.1 | 366.9 | 366.1 | 365.7 | 365.4 | 365.0 | 364.7 |
| 45° | 344.2 | 343.0 | 341.9 | 341.1 | 340.8 | 340.5 | 340.2 | 339.9 |
| 47.5° | 319.8 | 318.5 | 317.2 | 316.2 | 315.4 | 314.6 | 313.8 | 313.0 |
| 50° | 302.8 | 301.4 | 299.9 | 298.8 | 298.2 | 297.6 | 296.9 | 296.3 |
| 52.5° | 285.4 | 284.1 | 282.8 | 281.7 | 280.9 | 280.1 | 279.3 | 278.5 |
| 55° | 259.7 | 258.4 | 257.2 | 256.2 | 255.6 | 255.0 | 254.3 | 253.7 |
| 57.5° | 234.0 | 232.8 | 231.6 | 230.7 | 230.1 | 229.5 | 228.9 | 228.2 |
| 60° | 216.3 | 215.4 | 214.4 | 213.7 | 213.2 | 212.6 | 212.1 | 211.6 |
| 62.5° | 199.1 | 198.2 | 197.3 | 196.6 | 196.1 | 195.6 | 195.1 | 194.5 |
| 65° | 174.0 | 172.9 | 171.9 | 171.1 | 170.6 | 170.0 | 169.5 | 169.0 |
| 67.5° | 148.1 | 147.1 | 146.1 | 145.5 | 145.4 | 145.2 | 145.1 | 144.9 |
| 70° | 131.8 | 131.0 | 130.1 | 129.5 | 129.2 | 128.9 | 128.6 | 128.3 |
| 72.5° | 115.5 | 114.8 | 114.1 | 113.6 | 113.3 | 113.0 | 112.7 | 112.4 |
| 75° | 91.9 | 91.5 | 91.1 | 90.8 | 90.7 | 90.6 | 90.5 | 90.4 |
| 77.5° | 69.6 | 69.5 | 69.4 | 69.2 | 68.9 | 68.6 | 68.3 | 68.1 |
| 80° | 55.4 | 55.2 | 55.0 | 54.9 | 54.7 | 54.6 | 54.5 | 54.4 |
| 82.5° | 42.7 | 42.6 | 42.5 | 42.4 | 42.3 | 42.1 | 42.0 | 41.9 |
| 85° | 24.6 | 24.6 | 24.6 | 24.6 | 24.5 | 24.4 | 24.2 | 24.1 |
| 87.5° | 14.8 | 15.1 | 15.4 | 15.6 | 15.7 | 15.9 | 16.0 | 16.1 |
| 90° | 28.7 | 30.2 | 31.8 | 32.8 | 33.3 | 33.8 | 34.3 | 34.9 |
| 92.5° | 47.9 | 48.8 | 49.7 | 50.3 | 50.7 | 51.0 | 51.3 | 51.6 |
| 95° | 89.8 | 90.6 | 91.4 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| 97.5° | 141.5 | 142.4 | 143.4 | 143.8 | 143.8 | 143.8 | 143.8 | 143.8 |
| 100° | 178.8 | 179.3 | 179.8 | 180.1 | 180.1 | 180.1 | 180.1 | 180.1 |
| 102.5° | 218.2 | 219.0 | 219.7 | 220.1 | 220.4 | 220.6 | 220.8 | 221.0 |
| 105° | 278.1 | 278.8 | 279.6 | 280.4 | 281.2 | 281.9 | 282.7 | 283.5 |
| 107.5° | 342.8 | 343.5 | 344.2 | 344.6 | 344.5 | 344.5 | 344.4 | 344.4 |
| 110° | 385.8 | 385.3 | 384.8 | 384.9 | 385.7 | 386.5 | 387.3 | 388.0 |



TEST NUMBER: P332533

CATALOG NUMBER: S124DIP-S350D1205U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 432.2 | 432.1 | 432.0 | 432.0 | 432.2 | 432.3 | 432.5 | 432.7 |
| 115° | 503.7 | 503.4 | 503.2 | 502.9 | 502.7 | 502.4 | 502.2 | 501.9 |
| 117.5° | 572.4 | 571.5 | 570.6 | 570.0 | 569.4 | 568.9 | 568.4 | 567.9 |
| 120° | 619.0 | 617.7 | 616.4 | 616.0 | 616.5 | 617.0 | 617.6 | 618.1 |
| 122.5° | 666.3 | 665.4 | 664.5 | 663.6 | 662.7 | 661.8 | 660.8 | 659.9 |
| 125° | 735.5 | 735.0 | 734.5 | 734.0 | 733.5 | 733.0 | 732.4 | 731.9 |
| 127.5° | 801.8 | 801.3 | 800.7 | 800.3 | 799.9 | 799.4 | 799.0 | 798.6 |
| 130° | 848.2 | 847.7 | 847.2 | 846.4 | 845.4 | 844.4 | 843.3 | 842.3 |
| 132.5° | 891.9 | 891.4 | 890.9 | 890.4 | 890.0 | 889.6 | 889.2 | 888.8 |
| 135° | 957.5 | 956.9 | 956.4 | 955.8 | 955.0 | 954.2 | 953.4 | 952.7 |
| 137.5° | 1020.8 | 1020.1 | 1019.5 | 1019.2 | 1019.4 | 1019.5 | 1019.7 | 1019.8 |
| 140° | 1062.5 | 1062.3 | 1062.0 | 1061.8 | 1061.5 | 1061.2 | 1061.0 | 1060.7 |
| 142.5° | 1102.0 | 1101.9 | 1101.9 | 1101.8 | 1101.8 | 1101.7 | 1101.7 | 1101.6 |
| 145° | 1161.3 | 1161.0 | 1160.8 | 1160.2 | 1159.5 | 1158.7 | 1157.9 | 1157.2 |
| 147.5° | 1215.1 | 1214.9 | 1214.6 | 1214.4 | 1214.2 | 1213.9 | 1213.6 | 1213.4 |
| 150° | 1248.9 | 1248.9 | 1248.9 | 1248.8 | 1248.5 | 1248.3 | 1248.0 | 1247.8 |
| 152.5° | 1280.8 | 1281.5 | 1282.1 | 1282.1 | 1281.4 | 1280.7 | 1280.0 | 1279.4 |
| 155° | 1325.4 | 1326.4 | 1327.4 | 1327.4 | 1326.4 | 1325.4 | 1324.3 | 1323.3 |
| 157.5° | 1364.6 | 1365.3 | 1366.1 | 1366.1 | 1365.2 | 1364.3 | 1363.4 | 1362.6 |
| 160° | 1388.7 | 1389.5 | 1390.3 | 1390.0 | 1388.7 | 1387.4 | 1386.2 | 1384.9 |
| 162.5° | 1410.4 | 1411.8 | 1413.2 | 1413.3 | 1412.0 | 1410.7 | 1409.4 | 1408.1 |
| 165° | 1439.1 | 1440.6 | 1442.2 | 1442.4 | 1441.4 | 1440.4 | 1439.3 | 1438.3 |
| 167.5° | 1463.2 | 1464.8 | 1466.3 | 1466.3 | 1464.7 | 1463.1 | 1461.5 | 1459.9 |
| 170° | 1476.3 | 1477.8 | 1479.4 | 1479.2 | 1477.4 | 1475.6 | 1473.8 | 1472.0 |
| 172.5° | 1486.0 | 1487.7 | 1489.5 | 1489.5 | 1487.6 | 1485.8 | 1484.0 | 1482.2 |
| 175° | 1496.5 | 1498.3 | 1500.1 | 1500.1 | 1498.3 | 1496.5 | 1494.7 | 1492.9 |
| 177.5° | 1502.3 | 1503.8 | 1505.2 | 1505.1 | 1503.4 | 1501.8 | 1500.1 | 1498.5 |
| 180° | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 | 1502.2 |

(END OF REPORT)