

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: P333137-840

Luminaire Tested: **S125DIP-S375D810U840-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333137-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D810U840-4F0-1E-UDD-D1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, DROP 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: 4308.2 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

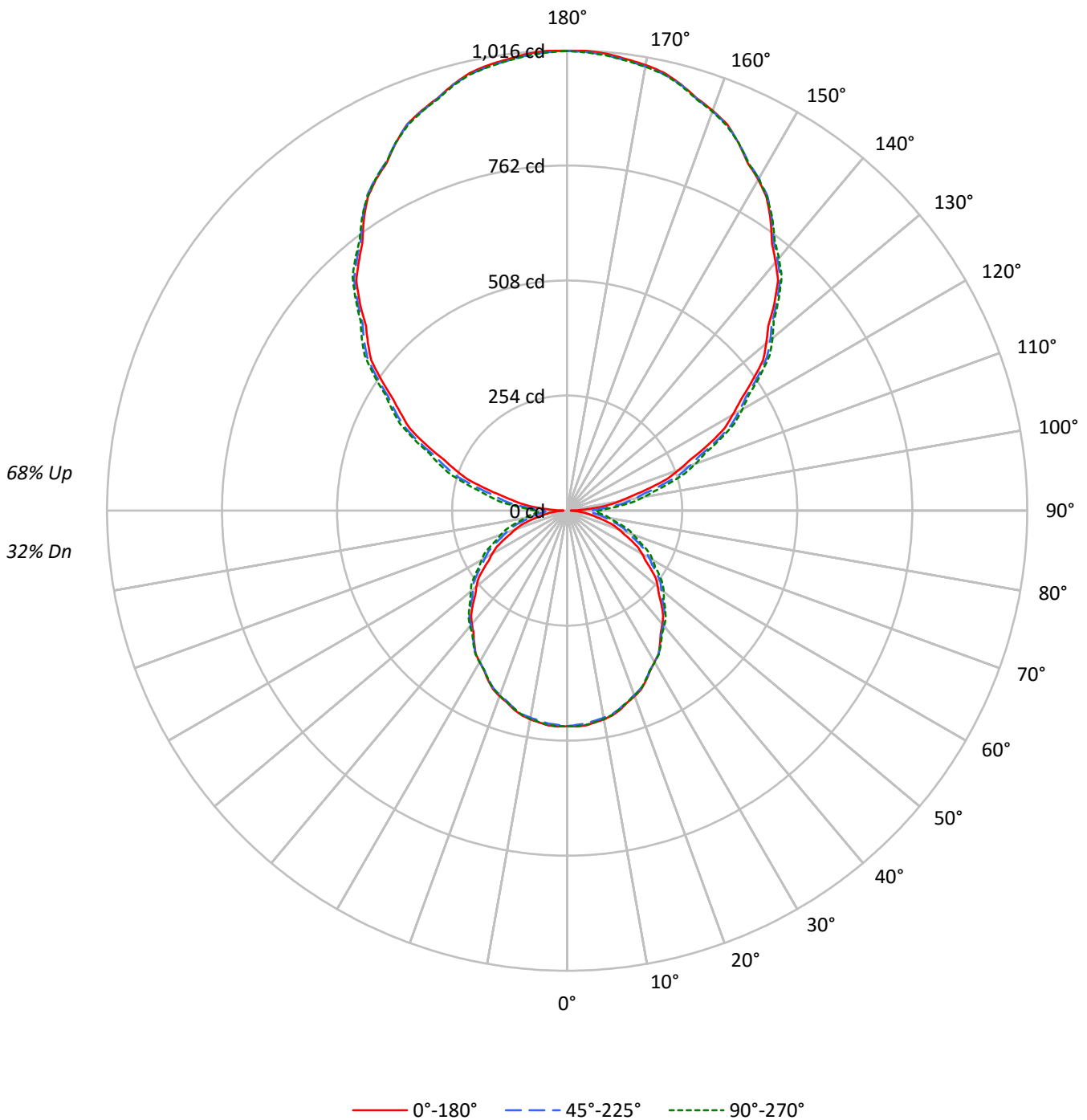
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333137-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P333137-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-D1

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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 73 | 73 | 73 | 56 | 56 | 56 | 40 | 40 | 40 | 32 |
| 1 | 93 | 89 | 85 | 81 | 84 | 80 | 77 | 74 | 64 | 61 | 59 | 48 | 47 | 45 | 34 | 33 | 33 | 26 |
| 2 | 85 | 77 | 71 | 66 | 76 | 70 | 64 | 60 | 55 | 52 | 49 | 42 | 40 | 38 | 30 | 28 | 27 | 21 |
| 3 | 77 | 68 | 60 | 55 | 69 | 61 | 55 | 50 | 49 | 44 | 41 | 37 | 34 | 31 | 26 | 24 | 23 | 18 |
| 4 | 70 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 30 | 27 | 23 | 21 | 19 | 15 |
| 5 | 64 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 38 | 33 | 29 | 29 | 26 | 23 | 21 | 19 | 17 | 13 |
| 6 | 59 | 47 | 39 | 34 | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 26 | 23 | 20 | 19 | 17 | 15 | 12 |
| 7 | 55 | 43 | 35 | 29 | 49 | 39 | 32 | 27 | 31 | 26 | 22 | 24 | 20 | 18 | 17 | 15 | 13 | 10 |
| 8 | 51 | 39 | 31 | 26 | 45 | 35 | 28 | 24 | 28 | 23 | 20 | 22 | 18 | 16 | 16 | 13 | 12 | 9 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8 |
| 10 | 44 | 32 | 25 | 20 | 39 | 29 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 13 | 14 | 11 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3075 | 3075 | 3075 |
| 5° | 3081 | 3017 | 3027 |
| 10° | 3059 | 2963 | 2960 |
| 15° | 3022 | 2899 | 2873 |
| 20° | 2974 | 2819 | 2786 |
| 25° | 2915 | 2734 | 2680 |
| 30° | 2844 | 2641 | 2584 |
| 35° | 2778 | 2554 | 2494 |
| 40° | 2711 | 2463 | 2406 |
| 45° | 2635 | 2385 | 2327 |
| 50° | 2563 | 2302 | 2256 |
| 55° | 2474 | 2222 | 2175 |
| 60° | 2380 | 2130 | 2090 |
| 65° | 2281 | 2035 | 1997 |
| 70° | 2168 | 1905 | 1900 |
| 75° | 1987 | 1780 | 1780 |
| 80° | 1753 | 1629 | 1650 |
| 85° | 1538 | 1527 | 1610 |



TEST NUMBER: P333137-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.0 | 1.0 |
| 10°-20° | 127.8 | 3.0 |
| 20°-30° | 190.0 | 4.4 |
| 30°-40° | 225.1 | 5.2 |
| 40°-50° | 232.7 | 5.4 |
| 50°-60° | 214.4 | 5.0 |
| 60°-70° | 173.3 | 4.0 |
| 70°-80° | 116.1 | 2.7 |
| 80°-90° | 62.4 | 1.4 |
| 90°-100° | 101.7 | 2.4 |
| 100°-110° | 225.6 | 5.2 |
| 110°-120° | 356.6 | 8.3 |
| 120°-130° | 456.8 | 10.6 |
| 130°-140° | 505.4 | 11.7 |
| 140°-150° | 492.1 | 11.4 |
| 150°-160° | 412.7 | 9.6 |
| 160°-170° | 274.3 | 6.4 |
| 170°-180° | 96.0 | 2.2 |
| 0°-30° | 362.8 | 8.4 |
| 0°-40° | 587.9 | 13.6 |
| 0°-60° | 1035.1 | 24.0 |
| 0°-90° | 1386.9 | 32.2 |
| 90°-120° | 684.0 | 15.9 |
| 90°-150° | 2138.4 | 49.6 |
| 90°-180° | 2921.0 | 67.8 |
| 0°-180° | 4308.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 476 | 476 | 476 | 476 | 476 | |
| 5° | 476 | 475 | 472 | 475 | 475 | 45 |
| 15° | 454 | 455 | 452 | 454 | 453 | 128 |
| 25° | 413 | 414 | 412 | 413 | 411 | 190 |
| 35° | 358 | 360 | 359 | 361 | 361 | 224 |
| 45° | 294 | 299 | 302 | 305 | 306 | 227 |
| 55° | 226 | 234 | 241 | 246 | 248 | 202 |
| 65° | 156 | 167 | 178 | 184 | 187 | 155 |
| 75° | 86 | 98 | 113 | 122 | 125 | 91 |
| 85° | 26 | 41 | 57 | 67 | 71 | 27 |
| 90° | 8 | 30 | 51 | 65 | 71 | 8 |
| 95° | 57 | 72 | 95 | 110 | 116 | 60 |
| 105° | 184 | 196 | 214 | 228 | 234 | 197 |
| 115° | 343 | 350 | 363 | 371 | 373 | 339 |
| 125° | 499 | 503 | 513 | 519 | 520 | 446 |
| 135° | 647 | 651 | 655 | 661 | 660 | 498 |
| 145° | 783 | 786 | 788 | 790 | 790 | 489 |
| 155° | 895 | 895 | 896 | 899 | 895 | 412 |
| 165° | 974 | 972 | 973 | 976 | 971 | 275 |
| 175° | 1012 | 1009 | 1009 | 1013 | 1008 | 96 |
| 180° | 1015 | 1015 | 1015 | 1015 | 1015 | |



TEST NUMBER: P333137-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 |
| 2.5° | 477.2 | 477.0 | 476.9 | 476.7 | 476.6 | 476.2 | 475.5 | 474.9 | 474.4 | 473.8 | 474.4 |
| 5° | 476.1 | 475.8 | 475.6 | 475.4 | 475.2 | 474.7 | 474.0 | 473.3 | 472.6 | 471.8 | 472.7 |
| 7.5° | 471.8 | 471.8 | 471.7 | 471.6 | 471.5 | 471.1 | 470.4 | 469.6 | 468.9 | 468.1 | 468.9 |
| 10° | 468.1 | 468.1 | 468.1 | 468.1 | 468.1 | 467.7 | 466.9 | 466.1 | 465.2 | 464.3 | 465.1 |
| 12.5° | 462.9 | 463.0 | 463.0 | 463.1 | 463.2 | 462.9 | 462.3 | 461.6 | 460.9 | 460.3 | 460.8 |
| 15° | 454.5 | 454.6 | 454.7 | 454.9 | 455.0 | 454.6 | 453.9 | 453.2 | 452.5 | 451.8 | 452.4 |
| 17.5° | 443.7 | 443.9 | 444.1 | 444.3 | 444.5 | 444.3 | 443.6 | 442.8 | 442.1 | 441.4 | 441.9 |
| 20° | 436.0 | 436.2 | 436.4 | 436.6 | 436.8 | 436.5 | 435.8 | 435.0 | 434.3 | 433.5 | 433.9 |
| 22.5° | 427.0 | 427.4 | 427.7 | 428.1 | 428.5 | 428.2 | 427.4 | 426.6 | 425.8 | 425.0 | 425.4 |
| 25° | 413.0 | 413.3 | 413.6 | 413.9 | 414.2 | 414.1 | 413.5 | 412.9 | 412.2 | 411.6 | 412.0 |
| 27.5° | 397.6 | 398.0 | 398.5 | 398.9 | 399.4 | 399.3 | 398.6 | 397.9 | 397.2 | 396.5 | 396.7 |
| 30° | 386.0 | 386.6 | 387.2 | 387.9 | 388.5 | 388.5 | 387.9 | 387.2 | 386.6 | 386.0 | 386.2 |
| 32.5° | 375.6 | 376.1 | 376.6 | 377.2 | 377.7 | 377.7 | 377.3 | 376.8 | 376.4 | 375.9 | 376.1 |
| 35° | 357.5 | 358.2 | 359.0 | 359.7 | 360.4 | 360.6 | 360.3 | 360.0 | 359.7 | 359.4 | 359.7 |
| 37.5° | 339.5 | 340.1 | 340.8 | 341.4 | 342.1 | 342.4 | 342.3 | 342.2 | 342.1 | 342.0 | 342.4 |
| 40° | 327.2 | 328.0 | 328.8 | 329.6 | 330.5 | 330.8 | 330.7 | 330.6 | 330.5 | 330.4 | 330.8 |
| 42.5° | 313.8 | 314.8 | 315.9 | 317.0 | 318.0 | 318.7 | 318.9 | 319.1 | 319.4 | 319.6 | 320.1 |
| 45° | 294.5 | 295.7 | 296.8 | 297.9 | 299.0 | 299.9 | 300.4 | 300.9 | 301.4 | 301.9 | 302.7 |
| 47.5° | 274.8 | 275.9 | 276.9 | 278.0 | 279.0 | 280.0 | 280.9 | 281.8 | 282.7 | 283.6 | 284.7 |
| 50° | 261.4 | 262.5 | 263.7 | 264.8 | 265.9 | 267.1 | 268.2 | 269.3 | 270.4 | 271.7 | 272.8 |
| 52.5° | 247.2 | 248.5 | 249.9 | 251.4 | 252.8 | 254.1 | 255.5 | 256.9 | 258.3 | 259.6 | 260.9 |
| 55° | 226.3 | 228.0 | 229.6 | 231.4 | 233.0 | 234.7 | 236.3 | 237.9 | 239.6 | 241.3 | 242.5 |
| 57.5° | 205.1 | 207.0 | 209.0 | 211.1 | 213.1 | 215.0 | 216.9 | 218.8 | 220.8 | 222.6 | 223.9 |
| 60° | 190.9 | 193.0 | 195.0 | 197.1 | 199.1 | 201.3 | 203.3 | 205.4 | 207.5 | 209.5 | 211.1 |
| 62.5° | 177.0 | 179.2 | 181.3 | 183.3 | 185.4 | 187.5 | 189.8 | 192.0 | 194.3 | 196.5 | 198.2 |
| 65° | 155.9 | 158.2 | 160.7 | 163.0 | 165.4 | 167.8 | 170.4 | 172.9 | 175.3 | 177.8 | 179.4 |
| 67.5° | 135.9 | 138.3 | 140.5 | 142.8 | 145.1 | 147.5 | 150.1 | 152.6 | 155.1 | 157.6 | 159.6 |
| 70° | 121.4 | 123.7 | 126.1 | 128.5 | 130.9 | 133.4 | 136.1 | 138.9 | 141.5 | 144.2 | 146.2 |
| 72.5° | 107.1 | 109.7 | 112.1 | 114.5 | 117.0 | 119.8 | 122.7 | 125.6 | 128.6 | 131.5 | 133.7 |
| 75° | 85.8 | 88.6 | 91.3 | 93.9 | 96.6 | 99.7 | 103.0 | 106.3 | 109.7 | 112.9 | 115.0 |
| 77.5° | 65.4 | 68.6 | 71.7 | 74.7 | 77.9 | 81.0 | 84.2 | 87.5 | 90.6 | 93.8 | 96.1 |
| 80° | 52.7 | 55.8 | 59.0 | 62.1 | 65.1 | 68.5 | 72.0 | 75.5 | 79.1 | 82.6 | 84.9 |
| 82.5° | 41.2 | 44.4 | 47.8 | 51.0 | 54.2 | 57.8 | 61.3 | 64.9 | 68.6 | 72.1 | 74.3 |
| 85° | 25.7 | 29.1 | 32.5 | 36.0 | 39.4 | 42.9 | 46.6 | 50.2 | 53.8 | 57.4 | 59.7 |
| 87.5° | 14.7 | 18.3 | 21.9 | 25.5 | 29.1 | 32.8 | 36.6 | 40.4 | 44.1 | 47.9 | 50.5 |
| 90° | 8.3 | 13.0 | 17.7 | 22.4 | 27.2 | 31.9 | 36.7 | 41.4 | 46.2 | 50.9 | 54.1 |
| 92.5° | 25.9 | 29.9 | 33.9 | 38.0 | 42.0 | 46.7 | 51.7 | 56.9 | 62.0 | 67.1 | 70.6 |
| 95° | 57.4 | 60.5 | 63.5 | 66.6 | 69.6 | 73.7 | 79.1 | 84.3 | 89.6 | 94.8 | 98.4 |
| 97.5° | 90.8 | 93.3 | 95.9 | 98.5 | 101.1 | 105.2 | 111.1 | 116.9 | 122.7 | 128.6 | 131.9 |
| 100° | 115.7 | 117.9 | 120.1 | 122.2 | 124.4 | 128.3 | 133.9 | 139.5 | 145.1 | 150.7 | 154.4 |
| 102.5° | 142.5 | 145.2 | 147.9 | 150.6 | 153.3 | 156.9 | 161.3 | 165.7 | 170.1 | 174.5 | 178.2 |
| 105° | 184.2 | 186.8 | 189.3 | 191.9 | 194.4 | 197.7 | 201.9 | 206.1 | 210.3 | 214.4 | 217.5 |
| 107.5° | 230.5 | 232.7 | 235.0 | 237.3 | 239.5 | 242.7 | 246.4 | 250.2 | 254.0 | 257.8 | 260.3 |
| 110° | 262.3 | 264.4 | 266.5 | 268.6 | 270.7 | 273.6 | 277.0 | 280.4 | 283.9 | 287.3 | 289.7 |



TEST NUMBER: P333137-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 295.1 | 296.6 | 298.0 | 299.5 | 300.9 | 303.4 | 306.9 | 310.3 | 313.9 | 317.4 | 319.5 |
| 115° | 343.2 | 344.6 | 346.0 | 347.4 | 348.9 | 351.1 | 354.2 | 357.2 | 360.2 | 363.2 | 365.0 |
| 117.5° | 391.3 | 392.1 | 392.9 | 393.7 | 394.5 | 396.4 | 399.2 | 402.0 | 405.0 | 407.8 | 409.7 |
| 120° | 421.6 | 422.8 | 424.0 | 425.3 | 426.4 | 428.3 | 430.8 | 433.4 | 436.0 | 438.5 | 440.3 |
| 122.5° | 454.1 | 454.5 | 455.0 | 455.6 | 456.0 | 457.6 | 460.3 | 463.1 | 465.9 | 468.6 | 470.2 |
| 125° | 498.6 | 499.5 | 500.5 | 501.4 | 502.4 | 503.9 | 506.2 | 508.5 | 510.7 | 513.0 | 514.2 |
| 127.5° | 545.5 | 545.9 | 546.4 | 546.9 | 547.4 | 548.7 | 550.6 | 552.5 | 554.4 | 556.3 | 557.6 |
| 130° | 573.9 | 574.7 | 575.4 | 576.2 | 577.0 | 578.2 | 580.1 | 581.9 | 583.7 | 585.5 | 586.7 |
| 132.5° | 602.0 | 603.4 | 604.8 | 606.2 | 607.6 | 608.8 | 610.0 | 611.0 | 612.0 | 613.1 | 614.3 |
| 135° | 646.9 | 647.8 | 648.7 | 649.7 | 650.7 | 651.6 | 652.5 | 653.4 | 654.3 | 655.2 | 656.5 |
| 137.5° | 689.1 | 690.0 | 690.9 | 692.0 | 692.9 | 693.7 | 694.4 | 695.2 | 695.9 | 696.6 | 698.1 |
| 140° | 715.9 | 716.8 | 717.7 | 718.5 | 719.4 | 720.1 | 720.8 | 721.4 | 722.1 | 722.7 | 724.2 |
| 142.5° | 743.1 | 743.8 | 744.4 | 745.1 | 745.7 | 746.4 | 747.0 | 747.7 | 748.4 | 749.1 | 750.3 |
| 145° | 783.0 | 783.7 | 784.3 | 784.9 | 785.4 | 786.0 | 786.5 | 787.0 | 787.6 | 788.1 | 788.6 |
| 147.5° | 819.5 | 819.9 | 820.3 | 820.7 | 821.0 | 821.4 | 821.9 | 822.3 | 822.7 | 823.1 | 823.7 |
| 150° | 844.1 | 843.9 | 843.8 | 843.6 | 843.4 | 843.7 | 844.4 | 845.2 | 845.9 | 846.6 | 846.6 |
| 152.5° | 864.3 | 864.6 | 864.8 | 865.2 | 865.4 | 865.7 | 865.9 | 866.2 | 866.5 | 866.8 | 867.2 |
| 155° | 895.4 | 895.4 | 895.4 | 895.4 | 895.4 | 895.5 | 895.8 | 896.0 | 896.1 | 896.3 | 897.0 |
| 157.5° | 923.3 | 922.9 | 922.5 | 922.1 | 921.7 | 921.6 | 921.8 | 922.0 | 922.1 | 922.3 | 923.0 |
| 160° | 939.7 | 939.2 | 938.7 | 938.2 | 937.6 | 937.5 | 937.6 | 937.8 | 938.0 | 938.2 | 938.9 |
| 162.5° | 954.2 | 953.8 | 953.4 | 953.1 | 952.7 | 952.5 | 952.5 | 952.6 | 952.6 | 952.7 | 953.5 |
| 165° | 973.7 | 973.3 | 973.0 | 972.6 | 972.3 | 972.2 | 972.3 | 972.5 | 972.7 | 972.9 | 973.6 |
| 167.5° | 990.1 | 989.4 | 988.7 | 988.0 | 987.2 | 986.9 | 986.9 | 986.9 | 986.9 | 986.9 | 988.0 |
| 170° | 999.0 | 998.3 | 997.5 | 996.8 | 996.1 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 996.8 |
| 172.5° | 1005.2 | 1004.5 | 1003.8 | 1003.1 | 1002.4 | 1002.1 | 1002.1 | 1002.1 | 1002.1 | 1002.1 | 1003.1 |
| 175° | 1012.4 | 1011.7 | 1011.0 | 1010.3 | 1009.6 | 1009.2 | 1009.2 | 1009.2 | 1009.2 | 1009.2 | 1010.3 |
| 177.5° | 1016.0 | 1015.4 | 1014.9 | 1014.3 | 1013.7 | 1013.4 | 1013.3 | 1013.1 | 1013.0 | 1012.8 | 1013.7 |
| 180° | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 |



TEST NUMBER: P333137-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 | 476.1 |
| 2.5° | 474.9 | 475.5 | 476.2 | 476.4 | 476.3 | 476.3 | 476.2 | 476.1 |
| 5° | 473.5 | 474.3 | 475.1 | 475.5 | 475.4 | 475.3 | 475.2 | 475.1 |
| 7.5° | 469.6 | 470.3 | 471.0 | 471.3 | 471.2 | 471.1 | 471.0 | 470.9 |
| 10° | 465.9 | 466.6 | 467.3 | 467.6 | 467.5 | 467.4 | 467.3 | 467.2 |
| 12.5° | 461.4 | 461.9 | 462.5 | 462.6 | 462.4 | 462.1 | 461.8 | 461.6 |
| 15° | 453.0 | 453.6 | 454.2 | 454.3 | 453.9 | 453.5 | 453.1 | 452.7 |
| 17.5° | 442.4 | 442.8 | 443.3 | 443.4 | 443.2 | 442.9 | 442.7 | 442.4 |
| 20° | 434.2 | 434.5 | 434.8 | 434.9 | 434.9 | 434.9 | 434.9 | 434.9 |
| 22.5° | 425.8 | 426.2 | 426.6 | 426.7 | 426.4 | 426.2 | 425.9 | 425.7 |
| 25° | 412.4 | 412.9 | 413.3 | 413.2 | 412.7 | 412.2 | 411.7 | 411.2 |
| 27.5° | 397.0 | 397.3 | 397.6 | 397.7 | 397.5 | 397.3 | 397.1 | 396.9 |
| 30° | 386.4 | 386.6 | 386.8 | 386.9 | 386.8 | 386.7 | 386.6 | 386.5 |
| 32.5° | 376.3 | 376.5 | 376.7 | 376.8 | 376.7 | 376.6 | 376.5 | 376.4 |
| 35° | 360.0 | 360.3 | 360.6 | 360.7 | 360.7 | 360.7 | 360.7 | 360.7 |
| 37.5° | 342.8 | 343.3 | 343.7 | 343.9 | 343.9 | 343.8 | 343.8 | 343.7 |
| 40° | 331.2 | 331.6 | 332.1 | 332.4 | 332.6 | 332.9 | 333.1 | 333.3 |
| 42.5° | 320.6 | 321.1 | 321.6 | 321.8 | 321.9 | 321.9 | 321.9 | 322.0 |
| 45° | 303.5 | 304.2 | 304.9 | 305.3 | 305.4 | 305.5 | 305.6 | 305.7 |
| 47.5° | 285.7 | 286.8 | 287.8 | 288.4 | 288.7 | 288.9 | 289.1 | 289.3 |
| 50° | 273.9 | 275.1 | 276.2 | 276.9 | 277.2 | 277.5 | 277.8 | 278.1 |
| 52.5° | 262.2 | 263.4 | 264.6 | 265.3 | 265.5 | 265.8 | 266.0 | 266.2 |
| 55° | 243.6 | 244.7 | 245.9 | 246.6 | 247.0 | 247.4 | 247.9 | 248.3 |
| 57.5° | 225.2 | 226.5 | 227.8 | 228.6 | 228.9 | 229.2 | 229.6 | 229.9 |
| 60° | 212.7 | 214.2 | 215.8 | 216.7 | 217.0 | 217.3 | 217.6 | 217.9 |
| 62.5° | 200.0 | 201.7 | 203.4 | 204.4 | 204.8 | 205.2 | 205.6 | 206.0 |
| 65° | 181.0 | 182.5 | 184.0 | 185.0 | 185.4 | 185.8 | 186.3 | 186.7 |
| 67.5° | 161.5 | 163.3 | 165.2 | 166.4 | 166.9 | 167.5 | 168.0 | 168.5 |
| 70° | 148.1 | 150.2 | 152.1 | 153.4 | 154.0 | 154.6 | 155.2 | 155.9 |
| 72.5° | 135.8 | 137.9 | 140.1 | 141.4 | 141.8 | 142.3 | 142.7 | 143.2 |
| 75° | 117.1 | 119.2 | 121.3 | 122.5 | 123.1 | 123.6 | 124.1 | 124.6 |
| 77.5° | 98.4 | 100.7 | 102.9 | 104.3 | 104.7 | 105.1 | 105.5 | 105.9 |
| 80° | 87.2 | 89.5 | 91.7 | 93.1 | 93.5 | 93.9 | 94.3 | 94.7 |
| 82.5° | 76.5 | 78.8 | 81.0 | 82.4 | 83.2 | 83.9 | 84.6 | 85.4 |
| 85° | 62.0 | 64.2 | 66.6 | 68.1 | 68.9 | 69.8 | 70.6 | 71.4 |
| 87.5° | 53.0 | 55.5 | 58.2 | 59.8 | 60.7 | 61.5 | 62.3 | 63.1 |
| 90° | 57.5 | 60.7 | 63.9 | 66.2 | 67.5 | 68.7 | 70.0 | 71.2 |
| 92.5° | 74.0 | 77.5 | 81.0 | 83.2 | 84.3 | 85.4 | 86.5 | 87.7 |
| 95° | 101.9 | 105.4 | 109.0 | 111.2 | 112.3 | 113.4 | 114.4 | 115.5 |
| 97.5° | 135.2 | 138.6 | 141.9 | 144.0 | 144.9 | 145.8 | 146.7 | 147.6 |
| 100° | 158.2 | 162.0 | 165.7 | 168.0 | 169.1 | 170.1 | 171.0 | 172.0 |
| 102.5° | 182.1 | 185.9 | 189.8 | 192.2 | 193.3 | 194.4 | 195.5 | 196.6 |
| 105° | 220.7 | 223.8 | 226.9 | 229.1 | 230.4 | 231.6 | 232.9 | 234.1 |
| 107.5° | 263.0 | 265.5 | 268.1 | 269.7 | 270.3 | 270.9 | 271.6 | 272.2 |
| 110° | 292.3 | 294.8 | 297.2 | 298.8 | 299.3 | 299.8 | 300.4 | 300.9 |



TEST NUMBER: P333137-840

CATALOG NUMBER: S125DIP-S375D810U840-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 321.6 | 323.8 | 325.9 | 327.2 | 327.6 | 328.0 | 328.4 | 328.8 |
| 115° | 366.7 | 368.4 | 370.0 | 371.1 | 371.5 | 372.0 | 372.4 | 372.9 |
| 117.5° | 411.6 | 413.5 | 415.5 | 416.4 | 416.4 | 416.4 | 416.4 | 416.4 |
| 120° | 442.0 | 443.8 | 445.6 | 446.5 | 446.4 | 446.3 | 446.2 | 446.1 |
| 122.5° | 471.7 | 473.2 | 474.7 | 475.5 | 475.6 | 475.6 | 475.7 | 475.8 |
| 125° | 515.5 | 516.8 | 518.2 | 519.1 | 519.4 | 519.7 | 520.1 | 520.4 |
| 127.5° | 559.1 | 560.4 | 561.8 | 562.5 | 562.8 | 563.0 | 563.3 | 563.5 |
| 130° | 588.0 | 589.4 | 590.6 | 591.4 | 591.5 | 591.7 | 591.9 | 592.0 |
| 132.5° | 615.6 | 616.9 | 618.1 | 618.7 | 618.7 | 618.6 | 618.6 | 618.5 |
| 135° | 657.9 | 659.2 | 660.7 | 661.2 | 661.0 | 660.9 | 660.7 | 660.5 |
| 137.5° | 699.5 | 700.9 | 702.4 | 702.9 | 702.4 | 702.0 | 701.5 | 701.0 |
| 140° | 725.7 | 727.2 | 728.6 | 729.1 | 728.7 | 728.2 | 727.8 | 727.3 |
| 142.5° | 751.4 | 752.7 | 753.9 | 754.2 | 753.8 | 753.3 | 752.9 | 752.3 |
| 145° | 789.1 | 789.6 | 790.1 | 790.3 | 790.2 | 790.1 | 790.0 | 789.9 |
| 147.5° | 824.4 | 825.0 | 825.5 | 825.3 | 824.3 | 823.2 | 822.2 | 821.2 |
| 150° | 846.6 | 846.6 | 846.6 | 846.4 | 846.2 | 845.9 | 845.7 | 845.5 |
| 152.5° | 867.6 | 868.0 | 868.4 | 868.3 | 867.7 | 867.1 | 866.5 | 865.9 |
| 155° | 897.7 | 898.4 | 899.1 | 899.0 | 898.1 | 897.3 | 896.4 | 895.4 |
| 157.5° | 923.7 | 924.4 | 925.1 | 924.9 | 923.7 | 922.6 | 921.4 | 920.3 |
| 160° | 939.6 | 940.2 | 940.9 | 940.9 | 940.0 | 939.1 | 938.2 | 937.4 |
| 162.5° | 954.3 | 955.2 | 956.0 | 955.9 | 954.9 | 953.9 | 952.9 | 951.9 |
| 165° | 974.3 | 975.0 | 975.6 | 975.5 | 974.4 | 973.4 | 972.3 | 971.3 |
| 167.5° | 989.1 | 990.1 | 991.2 | 991.1 | 990.1 | 989.0 | 987.8 | 986.7 |
| 170° | 997.8 | 999.0 | 1000.0 | 999.9 | 998.7 | 997.4 | 996.2 | 995.0 |
| 172.5° | 1004.2 | 1005.2 | 1006.3 | 1006.3 | 1005.2 | 1004.1 | 1003.0 | 1001.9 |
| 175° | 1011.3 | 1012.4 | 1013.4 | 1013.3 | 1012.1 | 1010.9 | 1009.7 | 1008.5 |
| 177.5° | 1014.5 | 1015.3 | 1016.2 | 1016.1 | 1015.1 | 1014.2 | 1013.2 | 1012.2 |
| 180° | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 | 1014.7 |

(END OF REPORT)