

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: P333165-840

Luminaire Tested: **S125DIP-S610D365U840-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333165-840
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-S610D365U840-4F0-1E-UDD-D4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3752.5 lumens
Efficiency: N/A
Efficacy: 136.5 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-Direct

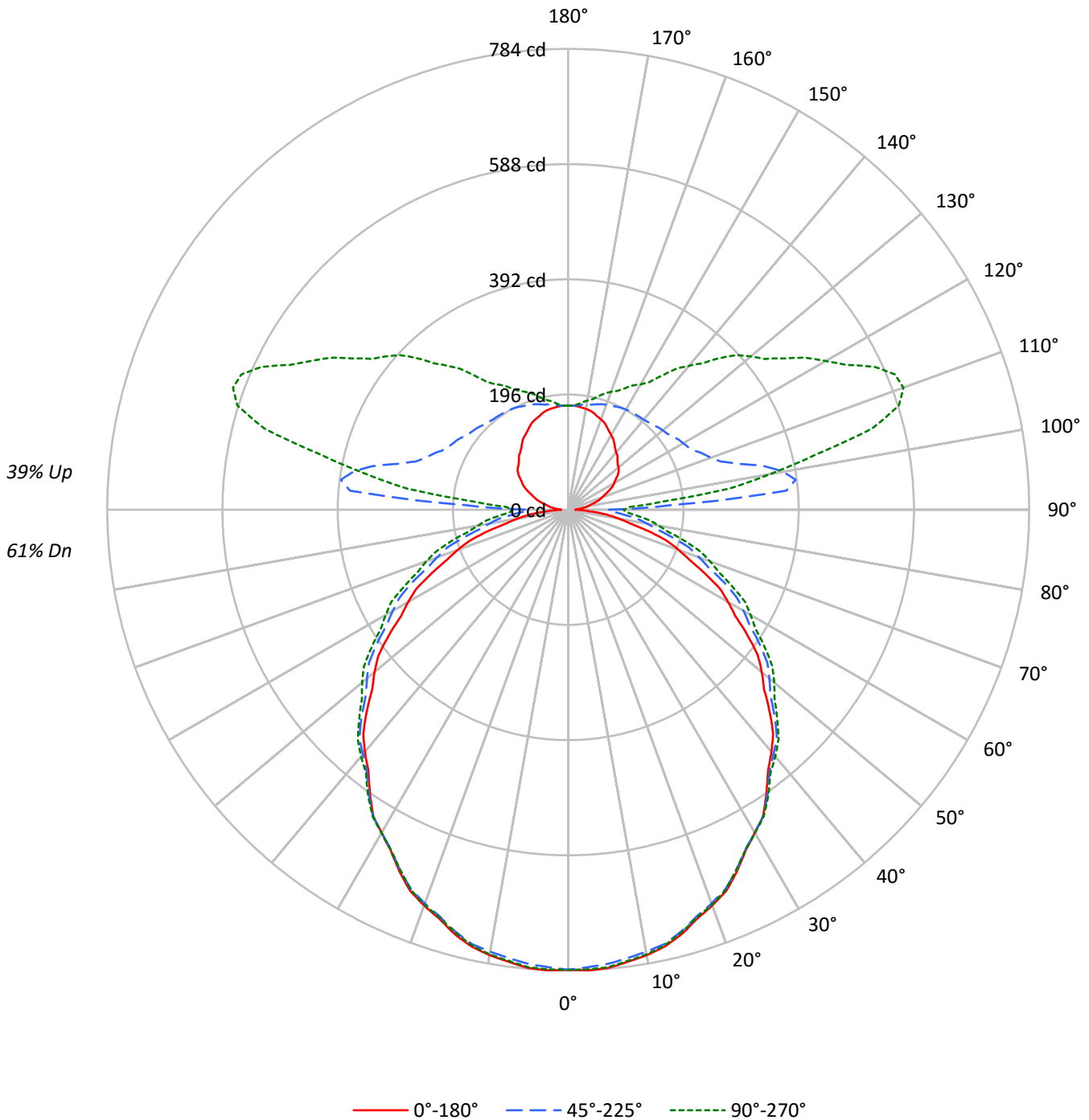
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333165-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P333165-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-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 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 89 | 89 | 89 | 77 | 77 | 77 | 66 | 66 | 66 | 61 |
| 1 | 99 | 94 | 90 | 86 | 93 | 88 | 85 | 81 | 77 | 74 | 72 | 67 | 64 | 62 | 57 | 55 | 54 | 49 |
| 2 | 90 | 82 | 75 | 70 | 84 | 77 | 71 | 66 | 67 | 62 | 59 | 58 | 54 | 51 | 50 | 47 | 45 | 41 |
| 3 | 82 | 72 | 64 | 58 | 76 | 67 | 60 | 55 | 59 | 53 | 49 | 51 | 47 | 43 | 44 | 40 | 38 | 34 |
| 4 | 75 | 63 | 55 | 49 | 70 | 60 | 52 | 46 | 52 | 46 | 41 | 45 | 41 | 37 | 39 | 35 | 32 | 29 |
| 5 | 69 | 56 | 48 | 42 | 64 | 53 | 45 | 40 | 47 | 40 | 36 | 41 | 36 | 32 | 35 | 31 | 28 | 25 |
| 6 | 63 | 51 | 42 | 36 | 59 | 48 | 40 | 34 | 42 | 36 | 31 | 37 | 32 | 28 | 32 | 28 | 25 | 22 |
| 7 | 59 | 46 | 37 | 32 | 54 | 43 | 35 | 30 | 38 | 32 | 27 | 33 | 28 | 24 | 29 | 25 | 22 | 19 |
| 8 | 54 | 42 | 33 | 28 | 51 | 39 | 32 | 27 | 35 | 29 | 24 | 30 | 25 | 22 | 26 | 22 | 19 | 17 |
| 9 | 51 | 38 | 30 | 25 | 47 | 36 | 29 | 24 | 32 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 18 | 15 |
| 10 | 47 | 35 | 27 | 22 | 44 | 33 | 26 | 21 | 29 | 24 | 20 | 26 | 21 | 18 | 23 | 19 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5054 | 5054 | 5054 |
| 5° | 5064 | 4961 | 4977 |
| 10° | 5029 | 4873 | 4865 |
| 15° | 4969 | 4767 | 4723 |
| 20° | 4888 | 4635 | 4581 |
| 25° | 4792 | 4495 | 4406 |
| 30° | 4676 | 4340 | 4247 |
| 35° | 4567 | 4199 | 4102 |
| 40° | 4457 | 4049 | 3955 |
| 45° | 4331 | 3922 | 3825 |
| 50° | 4213 | 3783 | 3710 |
| 55° | 4069 | 3652 | 3575 |
| 60° | 3913 | 3503 | 3437 |
| 65° | 3749 | 3347 | 3282 |
| 70° | 3561 | 3133 | 3123 |
| 75° | 3269 | 2928 | 2928 |
| 80° | 2884 | 2679 | 2713 |
| 85° | 2526 | 2512 | 2645 |



TEST NUMBER: P333165-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.0 | 2.0 |
| 10°-20° | 210.1 | 5.6 |
| 20°-30° | 312.4 | 8.3 |
| 30°-40° | 370.1 | 9.9 |
| 40°-50° | 382.6 | 10.2 |
| 50°-60° | 352.5 | 9.4 |
| 60°-70° | 284.9 | 7.6 |
| 70°-80° | 190.8 | 5.1 |
| 80°-90° | 99.9 | 2.7 |
| 90°-100° | 183.8 | 4.9 |
| 100°-110° | 316.8 | 8.4 |
| 110°-120° | 286.3 | 7.6 |
| 120°-130° | 225.4 | 6.0 |
| 130°-140° | 175.2 | 4.7 |
| 140°-150° | 128.4 | 3.4 |
| 150°-160° | 89.4 | 2.4 |
| 160°-170° | 52.7 | 1.4 |
| 170°-180° | 17.1 | 0.5 |
| 0°-30° | 596.5 | 15.9 |
| 0°-40° | 966.6 | 25.8 |
| 0°-60° | 1701.7 | 45.3 |
| 0°-90° | 2277.4 | 60.7 |
| 90°-120° | 786.9 | 21.0 |
| 90°-150° | 1315.9 | 35.1 |
| 90°-180° | 1475.0 | 39.3 |
| 0°-180° | 3752.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 783 | 783 | 783 | 783 | 783 | |
| 5° | 783 | 781 | 776 | 781 | 781 | 74 |
| 15° | 747 | 748 | 743 | 747 | 744 | 210 |
| 25° | 679 | 681 | 677 | 679 | 676 | 312 |
| 35° | 588 | 593 | 591 | 593 | 593 | 368 |
| 45° | 484 | 492 | 496 | 502 | 503 | 373 |
| 55° | 372 | 384 | 397 | 405 | 408 | 333 |
| 65° | 256 | 274 | 292 | 303 | 307 | 254 |
| 75° | 141 | 161 | 186 | 200 | 205 | 150 |
| 85° | 42 | 68 | 94 | 111 | 117 | 45 |
| 90° | 13 | 40 | 69 | 87 | 94 | 9 |
| 95° | 22 | 65 | 372 | 216 | 162 | 20 |
| 105° | 47 | 76 | 301 | 566 | 536 | 50 |
| 115° | 77 | 98 | 238 | 491 | 575 | 75 |
| 125° | 103 | 120 | 217 | 386 | 449 | 91 |
| 135° | 119 | 142 | 204 | 314 | 365 | 92 |
| 145° | 137 | 156 | 198 | 251 | 279 | 86 |
| 155° | 156 | 167 | 194 | 219 | 228 | 72 |
| 165° | 170 | 175 | 186 | 197 | 200 | 48 |
| 175° | 177 | 177 | 178 | 180 | 180 | 17 |
| 180° | 177 | 177 | 177 | 177 | 177 | |



TEST NUMBER: P333165-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 |
| 2.5° | 784.5 | 784.2 | 784.0 | 783.7 | 783.4 | 782.7 | 781.8 | 780.8 | 779.9 | 778.9 | 779.9 |
| 5° | 782.6 | 782.2 | 781.9 | 781.6 | 781.2 | 780.5 | 779.3 | 778.1 | 776.9 | 775.7 | 777.1 |
| 7.5° | 775.7 | 775.6 | 775.5 | 775.3 | 775.2 | 774.5 | 773.3 | 772.0 | 770.8 | 769.6 | 770.7 |
| 10° | 769.6 | 769.6 | 769.6 | 769.6 | 769.6 | 768.9 | 767.5 | 766.2 | 764.8 | 763.5 | 764.7 |
| 12.5° | 761.0 | 761.1 | 761.2 | 761.4 | 761.5 | 761.0 | 759.9 | 758.9 | 757.8 | 756.7 | 757.6 |
| 15° | 747.3 | 747.5 | 747.7 | 747.8 | 748.0 | 747.5 | 746.3 | 745.1 | 744.0 | 742.8 | 743.8 |
| 17.5° | 729.5 | 729.8 | 730.2 | 730.5 | 730.9 | 730.4 | 729.3 | 728.1 | 726.9 | 725.7 | 726.5 |
| 20° | 716.6 | 717.0 | 717.3 | 717.7 | 718.0 | 717.6 | 716.4 | 715.2 | 714.0 | 712.8 | 713.3 |
| 22.5° | 702.0 | 702.6 | 703.2 | 703.8 | 704.4 | 704.0 | 702.7 | 701.4 | 700.0 | 698.7 | 699.3 |
| 25° | 679.0 | 679.5 | 680.0 | 680.5 | 681.1 | 680.9 | 679.8 | 678.8 | 677.7 | 676.7 | 677.4 |
| 27.5° | 653.6 | 654.3 | 655.1 | 655.8 | 656.6 | 656.4 | 655.2 | 654.1 | 652.9 | 651.8 | 652.2 |
| 30° | 634.5 | 635.6 | 636.6 | 637.6 | 638.6 | 638.6 | 637.6 | 636.6 | 635.6 | 634.5 | 634.9 |
| 32.5° | 617.3 | 618.2 | 619.1 | 620.1 | 620.9 | 621.0 | 620.3 | 619.5 | 618.7 | 617.9 | 618.3 |
| 35° | 587.7 | 589.0 | 590.2 | 591.3 | 592.5 | 592.9 | 592.4 | 591.8 | 591.3 | 590.8 | 591.3 |
| 37.5° | 558.2 | 559.3 | 560.3 | 561.4 | 562.5 | 562.9 | 562.8 | 562.6 | 562.4 | 562.3 | 562.9 |
| 40° | 537.9 | 539.3 | 540.6 | 542.0 | 543.3 | 543.9 | 543.7 | 543.6 | 543.4 | 543.2 | 543.9 |
| 42.5° | 515.7 | 517.6 | 519.3 | 521.1 | 522.9 | 523.9 | 524.3 | 524.7 | 525.0 | 525.4 | 526.2 |
| 45° | 484.1 | 486.0 | 487.9 | 489.8 | 491.7 | 493.0 | 493.9 | 494.7 | 495.5 | 496.4 | 497.7 |
| 47.5° | 451.8 | 453.5 | 455.2 | 457.0 | 458.8 | 460.3 | 461.8 | 463.2 | 464.7 | 466.2 | 468.0 |
| 50° | 429.7 | 431.5 | 433.4 | 435.4 | 437.2 | 439.1 | 440.9 | 442.8 | 444.6 | 446.6 | 448.5 |
| 52.5° | 406.4 | 408.6 | 410.9 | 413.2 | 415.5 | 417.8 | 420.1 | 422.3 | 424.6 | 426.9 | 428.9 |
| 55° | 372.1 | 374.9 | 377.6 | 380.3 | 383.0 | 385.8 | 388.5 | 391.2 | 393.9 | 396.7 | 398.6 |
| 57.5° | 337.2 | 340.4 | 343.7 | 347.0 | 350.2 | 353.5 | 356.6 | 359.7 | 362.8 | 366.0 | 368.1 |
| 60° | 313.9 | 317.2 | 320.6 | 324.1 | 327.5 | 330.8 | 334.3 | 337.7 | 341.1 | 344.5 | 347.1 |
| 62.5° | 291.1 | 294.5 | 297.9 | 301.3 | 304.8 | 308.3 | 311.9 | 315.7 | 319.3 | 323.1 | 325.9 |
| 65° | 256.3 | 260.2 | 264.1 | 268.0 | 272.0 | 276.0 | 280.0 | 284.2 | 288.2 | 292.4 | 294.9 |
| 67.5° | 223.5 | 227.2 | 231.0 | 234.8 | 238.5 | 242.6 | 246.7 | 250.9 | 255.0 | 259.2 | 262.3 |
| 70° | 199.4 | 203.4 | 207.3 | 211.3 | 215.2 | 219.3 | 223.8 | 228.2 | 232.7 | 237.1 | 240.3 |
| 72.5° | 176.1 | 180.3 | 184.3 | 188.3 | 192.4 | 196.8 | 201.7 | 206.5 | 211.4 | 216.2 | 219.7 |
| 75° | 141.2 | 145.6 | 150.1 | 154.5 | 159.0 | 163.9 | 169.4 | 174.8 | 180.3 | 185.7 | 189.0 |
| 77.5° | 107.6 | 112.7 | 117.9 | 122.9 | 128.1 | 133.2 | 138.5 | 143.7 | 149.0 | 154.2 | 157.9 |
| 80° | 86.7 | 91.8 | 96.9 | 102.1 | 107.1 | 112.6 | 118.5 | 124.2 | 130.0 | 135.8 | 139.6 |
| 82.5° | 67.7 | 73.0 | 78.5 | 83.8 | 89.3 | 94.9 | 100.8 | 106.7 | 112.7 | 118.7 | 122.2 |
| 85° | 42.2 | 47.9 | 53.4 | 59.1 | 64.7 | 70.5 | 76.4 | 82.4 | 88.4 | 94.4 | 98.2 |
| 87.5° | 24.0 | 29.5 | 35.1 | 40.7 | 46.4 | 52.1 | 58.0 | 63.9 | 69.8 | 75.7 | 79.7 |
| 90° | 12.6 | 18.5 | 24.6 | 30.8 | 37.0 | 43.3 | 49.5 | 55.9 | 62.1 | 68.7 | 72.9 |
| 92.5° | 15.5 | 21.4 | 29.4 | 38.9 | 50.1 | 65.9 | 91.4 | 130.1 | 171.5 | 175.5 | 157.4 |
| 95° | 21.7 | 26.6 | 33.8 | 42.2 | 54.4 | 75.6 | 119.7 | 204.0 | 308.2 | 372.2 | 369.2 |
| 97.5° | 28.6 | 33.0 | 39.0 | 47.0 | 58.0 | 74.3 | 105.2 | 168.3 | 277.0 | 389.9 | 447.3 |
| 100° | 33.4 | 37.7 | 42.7 | 50.2 | 60.6 | 75.8 | 102.0 | 153.8 | 249.2 | 371.4 | 464.2 |
| 102.5° | 38.8 | 42.5 | 47.0 | 54.5 | 64.0 | 78.8 | 102.5 | 146.8 | 228.0 | 341.8 | 449.6 |
| 105° | 47.3 | 50.0 | 54.4 | 60.8 | 69.2 | 83.1 | 103.9 | 140.8 | 205.5 | 300.9 | 406.8 |
| 107.5° | 55.4 | 58.5 | 62.5 | 67.8 | 76.0 | 88.6 | 108.8 | 140.9 | 194.4 | 272.3 | 364.0 |
| 110° | 61.4 | 64.1 | 67.7 | 72.9 | 80.3 | 93.0 | 112.4 | 141.8 | 189.8 | 258.0 | 339.1 |



TEST NUMBER: P333165-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 68.0 | 70.3 | 73.1 | 78.0 | 84.9 | 97.0 | 115.7 | 143.6 | 187.4 | 248.7 | 319.9 |
| 115° | 76.6 | 78.6 | 80.9 | 85.2 | 91.8 | 103.5 | 121.2 | 146.3 | 185.0 | 237.6 | 298.2 |
| 117.5° | 84.5 | 86.3 | 88.3 | 92.3 | 99.2 | 110.3 | 126.9 | 150.0 | 183.9 | 230.4 | 283.6 |
| 120° | 90.2 | 91.8 | 93.7 | 97.5 | 104.0 | 115.1 | 131.6 | 152.6 | 184.0 | 226.1 | 275.1 |
| 122.5° | 95.6 | 96.6 | 98.0 | 101.5 | 108.4 | 119.3 | 135.5 | 155.6 | 183.7 | 222.3 | 267.3 |
| 125° | 103.0 | 103.5 | 105.1 | 108.2 | 114.8 | 125.7 | 140.9 | 159.7 | 183.8 | 216.8 | 256.6 |
| 127.5° | 108.2 | 109.1 | 111.2 | 115.0 | 122.1 | 132.7 | 146.8 | 163.8 | 184.6 | 212.4 | 246.5 |
| 130° | 111.9 | 112.8 | 115.4 | 120.0 | 127.2 | 137.6 | 151.1 | 167.0 | 185.5 | 210.0 | 240.2 |
| 132.5° | 114.1 | 115.4 | 118.9 | 124.0 | 131.8 | 141.9 | 154.8 | 169.4 | 186.1 | 207.5 | 234.4 |
| 135° | 118.6 | 119.9 | 124.0 | 129.5 | 136.8 | 146.9 | 159.3 | 172.2 | 186.6 | 203.9 | 226.4 |
| 137.5° | 124.3 | 125.2 | 129.1 | 134.7 | 141.9 | 152.0 | 162.7 | 174.5 | 187.6 | 201.6 | 219.8 |
| 140° | 127.1 | 128.2 | 132.5 | 138.1 | 144.9 | 154.7 | 165.2 | 176.1 | 187.6 | 200.0 | 216.1 |
| 142.5° | 131.1 | 131.8 | 135.6 | 141.2 | 147.5 | 156.5 | 166.4 | 176.5 | 187.4 | 199.0 | 213.2 |
| 145° | 137.1 | 137.6 | 141.1 | 145.8 | 152.1 | 160.3 | 169.6 | 178.4 | 188.0 | 198.4 | 210.0 |
| 147.5° | 142.6 | 143.0 | 146.1 | 150.8 | 156.3 | 163.5 | 171.7 | 179.8 | 188.4 | 197.5 | 207.2 |
| 150° | 146.3 | 147.0 | 149.6 | 154.2 | 159.2 | 165.2 | 173.1 | 180.6 | 188.4 | 196.6 | 205.2 |
| 152.5° | 150.4 | 150.8 | 153.0 | 157.0 | 161.8 | 167.2 | 174.5 | 181.2 | 188.1 | 195.5 | 203.2 |
| 155° | 155.6 | 155.6 | 157.7 | 161.3 | 164.9 | 169.9 | 175.9 | 181.7 | 187.3 | 193.5 | 199.9 |
| 157.5° | 160.4 | 160.3 | 162.0 | 165.0 | 168.1 | 172.0 | 177.1 | 182.0 | 186.4 | 191.3 | 196.7 |
| 160° | 163.5 | 163.1 | 164.5 | 167.0 | 169.9 | 173.1 | 177.7 | 182.0 | 185.6 | 189.9 | 194.2 |
| 162.5° | 166.0 | 165.7 | 167.1 | 169.4 | 171.6 | 174.2 | 178.3 | 181.8 | 184.7 | 188.1 | 191.9 |
| 165° | 169.9 | 169.2 | 170.3 | 172.0 | 173.5 | 175.6 | 178.4 | 181.3 | 183.5 | 185.6 | 188.4 |
| 167.5° | 172.5 | 172.1 | 172.8 | 173.7 | 174.7 | 176.1 | 178.4 | 180.5 | 181.5 | 183.1 | 185.1 |
| 170° | 174.2 | 173.8 | 174.2 | 174.9 | 175.6 | 176.6 | 178.4 | 179.9 | 180.6 | 181.7 | 183.1 |
| 172.5° | 175.3 | 174.7 | 175.0 | 175.7 | 176.1 | 176.6 | 178.1 | 179.4 | 179.5 | 180.0 | 181.1 |
| 175° | 176.6 | 175.9 | 176.3 | 176.6 | 176.6 | 176.6 | 177.7 | 178.4 | 178.1 | 178.1 | 178.4 |
| 177.5° | 177.3 | 176.7 | 176.7 | 177.0 | 176.7 | 176.7 | 177.3 | 177.6 | 177.0 | 177.0 | 177.3 |
| 180° | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 |



TEST NUMBER: P333165-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 | 782.6 |
| 2.5° | 780.8 | 781.8 | 782.7 | 783.2 | 783.0 | 782.9 | 782.7 | 782.6 |
| 5° | 778.4 | 779.8 | 781.1 | 781.7 | 781.6 | 781.4 | 781.2 | 781.1 |
| 7.5° | 771.9 | 773.2 | 774.4 | 774.9 | 774.7 | 774.6 | 774.4 | 774.2 |
| 10° | 765.9 | 767.0 | 768.2 | 768.7 | 768.6 | 768.4 | 768.2 | 768.0 |
| 12.5° | 758.5 | 759.4 | 760.4 | 760.6 | 760.1 | 759.7 | 759.3 | 758.8 |
| 15° | 744.8 | 745.8 | 746.8 | 747.0 | 746.3 | 745.6 | 745.0 | 744.3 |
| 17.5° | 727.3 | 728.0 | 728.8 | 729.0 | 728.6 | 728.2 | 727.8 | 727.4 |
| 20° | 713.9 | 714.4 | 714.9 | 715.1 | 715.1 | 715.1 | 715.1 | 715.1 |
| 22.5° | 699.9 | 700.6 | 701.3 | 701.4 | 700.9 | 700.5 | 700.1 | 699.7 |
| 25° | 678.1 | 678.8 | 679.4 | 679.4 | 678.5 | 677.7 | 676.8 | 676.0 |
| 27.5° | 652.7 | 653.2 | 653.7 | 653.7 | 653.4 | 653.1 | 652.8 | 652.5 |
| 30° | 635.2 | 635.6 | 635.9 | 636.0 | 635.8 | 635.6 | 635.5 | 635.3 |
| 32.5° | 618.6 | 618.9 | 619.4 | 619.5 | 619.2 | 619.0 | 618.9 | 618.7 |
| 35° | 591.8 | 592.4 | 592.9 | 593.1 | 593.1 | 593.1 | 593.1 | 593.1 |
| 37.5° | 563.6 | 564.3 | 565.0 | 565.3 | 565.2 | 565.1 | 565.1 | 565.0 |
| 40° | 544.6 | 545.3 | 545.9 | 546.4 | 546.8 | 547.1 | 547.5 | 547.9 |
| 42.5° | 527.0 | 527.9 | 528.7 | 529.2 | 529.3 | 529.3 | 529.4 | 529.5 |
| 45° | 498.8 | 500.0 | 501.2 | 501.9 | 502.1 | 502.2 | 502.4 | 502.6 |
| 47.5° | 469.7 | 471.4 | 473.1 | 474.2 | 474.6 | 474.9 | 475.3 | 475.7 |
| 50° | 450.3 | 452.2 | 454.0 | 455.2 | 455.8 | 456.3 | 456.8 | 457.3 |
| 52.5° | 430.9 | 432.9 | 434.9 | 436.2 | 436.6 | 436.9 | 437.3 | 437.7 |
| 55° | 400.4 | 402.3 | 404.1 | 405.5 | 406.2 | 406.9 | 407.5 | 408.2 |
| 57.5° | 370.3 | 372.4 | 374.6 | 375.9 | 376.5 | 377.0 | 377.5 | 378.0 |
| 60° | 349.6 | 352.1 | 354.8 | 356.3 | 356.8 | 357.3 | 357.8 | 358.3 |
| 62.5° | 328.7 | 331.5 | 334.4 | 336.1 | 336.7 | 337.4 | 338.0 | 338.7 |
| 65° | 297.4 | 300.0 | 302.6 | 304.2 | 304.9 | 305.6 | 306.2 | 306.9 |
| 67.5° | 265.4 | 268.5 | 271.6 | 273.6 | 274.5 | 275.4 | 276.3 | 277.1 |
| 70° | 243.6 | 246.8 | 250.0 | 252.2 | 253.2 | 254.2 | 255.3 | 256.3 |
| 72.5° | 223.3 | 226.7 | 230.2 | 232.4 | 233.2 | 233.9 | 234.7 | 235.4 |
| 75° | 192.5 | 195.9 | 199.3 | 201.5 | 202.3 | 203.2 | 204.0 | 204.9 |
| 77.5° | 161.7 | 165.5 | 169.3 | 171.5 | 172.1 | 172.8 | 173.5 | 174.2 |
| 80° | 143.3 | 147.0 | 150.8 | 153.0 | 153.7 | 154.4 | 155.1 | 155.7 |
| 82.5° | 125.8 | 129.5 | 133.1 | 135.5 | 136.7 | 137.9 | 139.2 | 140.4 |
| 85° | 101.9 | 105.6 | 109.4 | 111.9 | 113.3 | 114.6 | 116.0 | 117.3 |
| 87.5° | 83.7 | 87.7 | 91.7 | 94.4 | 95.6 | 96.7 | 98.1 | 99.3 |
| 90° | 77.2 | 81.5 | 85.7 | 89.0 | 90.2 | 91.4 | 92.9 | 94.1 |
| 92.5° | 131.3 | 117.8 | 110.2 | 107.3 | 104.0 | 104.3 | 105.0 | 105.6 |
| 95° | 320.1 | 269.6 | 229.4 | 202.0 | 177.8 | 168.3 | 166.6 | 162.2 |
| 97.5° | 441.5 | 407.1 | 367.9 | 328.5 | 307.6 | 288.8 | 279.6 | 276.2 |
| 100° | 495.2 | 481.3 | 448.2 | 413.3 | 389.7 | 365.1 | 352.8 | 348.2 |
| 102.5° | 511.7 | 525.8 | 511.7 | 488.8 | 463.5 | 446.3 | 432.9 | 429.7 |
| 105° | 495.8 | 548.2 | 567.2 | 565.6 | 555.4 | 544.8 | 538.9 | 535.8 |
| 107.5° | 451.8 | 520.5 | 564.2 | 585.0 | 591.9 | 592.9 | 591.6 | 589.8 |
| 110° | 419.4 | 490.5 | 544.0 | 576.6 | 593.8 | 601.8 | 605.5 | 606.7 |



TEST NUMBER: P333165-840

CATALOG NUMBER: S125DIP-S610D365U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 393.2 | 460.8 | 514.7 | 552.7 | 577.3 | 590.2 | 597.6 | 601.4 |
| 115° | 360.1 | 418.5 | 470.5 | 511.4 | 540.3 | 558.5 | 569.5 | 575.1 |
| 117.5° | 337.1 | 387.7 | 432.7 | 470.4 | 499.4 | 518.3 | 529.4 | 533.4 |
| 120° | 324.4 | 370.1 | 412.2 | 445.7 | 473.0 | 491.2 | 501.9 | 505.7 |
| 122.5° | 314.0 | 356.4 | 394.2 | 425.5 | 450.0 | 466.8 | 477.4 | 481.0 |
| 125° | 299.0 | 338.1 | 371.9 | 399.4 | 420.2 | 435.8 | 444.4 | 448.9 |
| 127.5° | 283.7 | 320.1 | 351.6 | 377.5 | 396.6 | 410.5 | 418.9 | 421.4 |
| 130° | 274.4 | 308.2 | 338.4 | 363.2 | 381.9 | 394.6 | 402.5 | 405.6 |
| 132.5° | 264.8 | 296.6 | 324.3 | 348.1 | 366.7 | 379.2 | 386.5 | 389.6 |
| 135° | 251.5 | 278.3 | 303.4 | 325.3 | 341.8 | 354.5 | 361.7 | 364.8 |
| 137.5° | 240.4 | 262.4 | 283.4 | 302.1 | 316.8 | 328.1 | 334.8 | 337.8 |
| 140° | 234.1 | 252.7 | 271.0 | 287.3 | 301.1 | 311.1 | 317.2 | 319.6 |
| 142.5° | 228.5 | 244.4 | 260.1 | 274.3 | 286.1 | 294.7 | 300.4 | 302.6 |
| 145° | 221.9 | 233.8 | 245.7 | 256.1 | 265.4 | 272.2 | 276.8 | 278.8 |
| 147.5° | 216.2 | 225.4 | 234.2 | 241.8 | 248.8 | 254.1 | 256.6 | 257.6 |
| 150° | 213.1 | 221.0 | 227.7 | 234.2 | 239.7 | 244.2 | 245.8 | 246.3 |
| 152.5° | 210.3 | 217.2 | 223.4 | 228.4 | 233.0 | 236.4 | 237.9 | 238.2 |
| 155° | 205.9 | 211.7 | 216.6 | 220.6 | 224.1 | 226.6 | 227.7 | 228.0 |
| 157.5° | 201.7 | 206.3 | 210.3 | 213.3 | 216.1 | 218.1 | 219.1 | 219.0 |
| 160° | 198.8 | 202.4 | 205.9 | 208.4 | 211.0 | 212.7 | 213.4 | 213.1 |
| 162.5° | 195.6 | 198.9 | 202.0 | 204.2 | 206.1 | 207.5 | 207.7 | 207.6 |
| 165° | 191.3 | 193.8 | 195.9 | 197.7 | 199.1 | 199.9 | 199.9 | 199.9 |
| 167.5° | 187.1 | 188.8 | 190.5 | 191.8 | 192.5 | 193.1 | 192.8 | 192.7 |
| 170° | 184.9 | 185.9 | 187.0 | 187.7 | 188.4 | 188.8 | 188.8 | 188.4 |
| 172.5° | 182.3 | 183.4 | 184.2 | 184.6 | 184.7 | 185.4 | 184.8 | 184.4 |
| 175° | 179.6 | 179.6 | 180.3 | 180.3 | 180.3 | 180.6 | 179.9 | 179.6 |
| 177.5° | 177.6 | 177.8 | 177.8 | 177.8 | 177.6 | 177.8 | 177.0 | 177.0 |
| 180° | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 | 177.0 |

(END OF REPORT)