

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: P333132-840

Luminaire Tested: **S125DIP-S375D590U840-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333132-840
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-S375D590U840-4F0-1E-UDD-F4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3679.4 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: General Diffuse

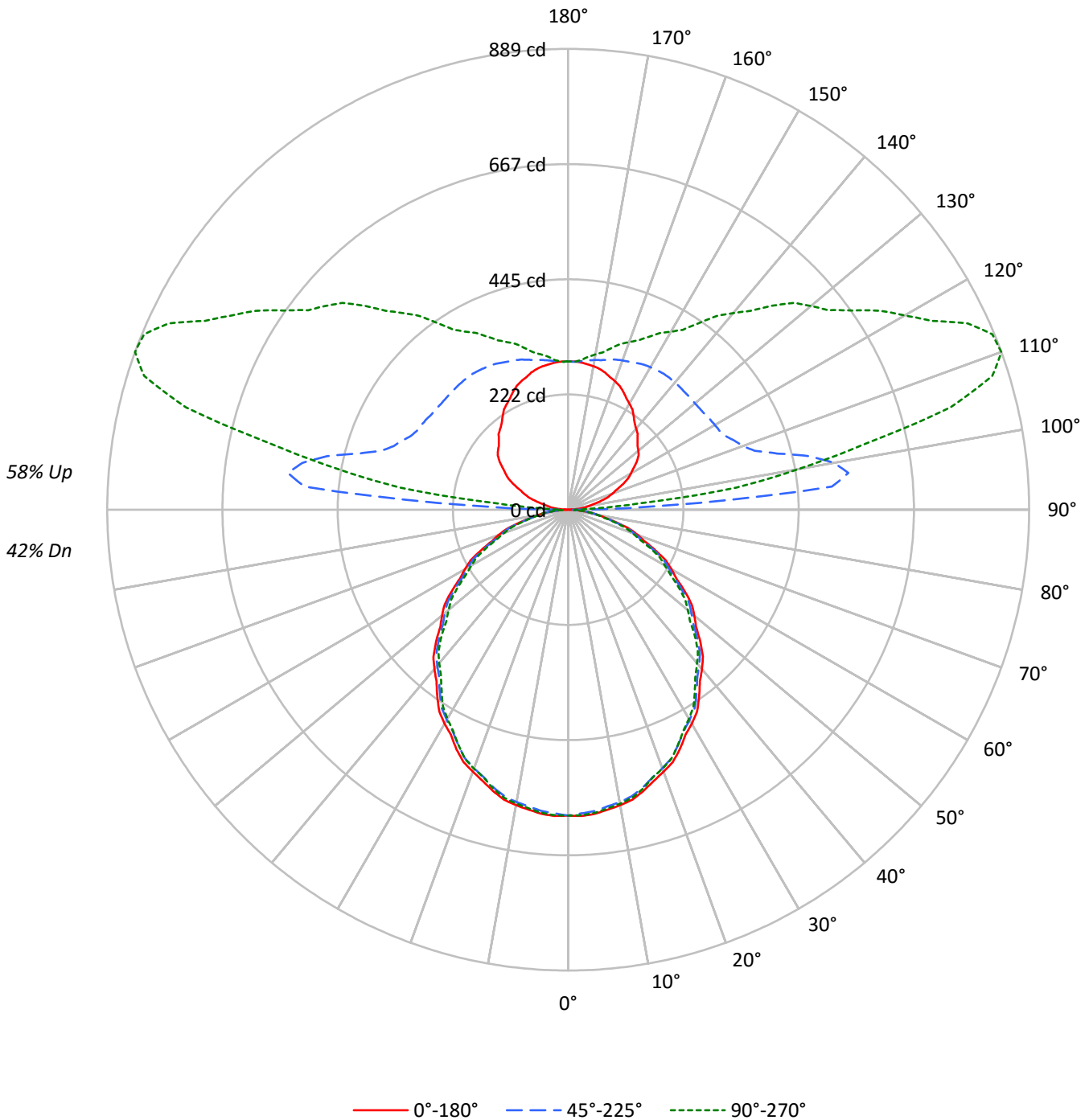
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333132-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P333132-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-F4

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 | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 63 | 63 | 63 | 49 | 49 | 49 | 42 |
| 1 | 96 | 92 | 88 | 84 | 87 | 84 | 80 | 77 | 69 | 67 | 64 | 55 | 54 | 52 | 43 | 42 | 41 | 35 |
| 2 | 87 | 80 | 74 | 69 | 79 | 73 | 68 | 63 | 60 | 57 | 53 | 49 | 46 | 44 | 38 | 36 | 34 | 29 |
| 3 | 80 | 70 | 63 | 57 | 72 | 64 | 58 | 53 | 53 | 49 | 45 | 43 | 40 | 37 | 33 | 31 | 29 | 25 |
| 4 | 73 | 62 | 54 | 48 | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 34 | 32 | 30 | 27 | 25 | 21 |
| 5 | 67 | 55 | 47 | 41 | 61 | 51 | 44 | 38 | 42 | 37 | 33 | 34 | 30 | 27 | 27 | 24 | 22 | 18 |
| 6 | 61 | 49 | 41 | 36 | 56 | 45 | 38 | 33 | 38 | 33 | 29 | 31 | 27 | 24 | 24 | 21 | 19 | 16 |
| 7 | 57 | 45 | 37 | 31 | 52 | 41 | 34 | 29 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |
| 8 | 53 | 40 | 33 | 28 | 48 | 37 | 30 | 26 | 31 | 26 | 22 | 26 | 22 | 19 | 20 | 17 | 15 | 13 |
| 9 | 49 | 37 | 29 | 24 | 45 | 34 | 27 | 23 | 29 | 23 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 |
| 10 | 46 | 34 | 27 | 22 | 42 | 31 | 25 | 21 | 26 | 21 | 18 | 22 | 18 | 15 | 17 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3810 | 3810 | 3810 |
| 5° | 3818 | 3782 | 3806 |
| 10° | 3796 | 3756 | 3777 |
| 15° | 3754 | 3710 | 3726 |
| 20° | 3696 | 3647 | 3654 |
| 25° | 3632 | 3572 | 3569 |
| 30° | 3554 | 3491 | 3473 |
| 35° | 3470 | 3404 | 3356 |
| 40° | 3384 | 3309 | 3262 |
| 45° | 3291 | 3222 | 3159 |
| 50° | 3189 | 3118 | 3024 |
| 55° | 3090 | 3001 | 2916 |
| 60° | 2971 | 2882 | 2780 |
| 65° | 2832 | 2740 | 2647 |
| 70° | 2696 | 2574 | 2485 |
| 75° | 2458 | 2376 | 2293 |
| 80° | 2187 | 2153 | 2101 |
| 85° | 1904 | 1941 | 1830 |



TEST NUMBER: P333132-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.6 | 1.5 |
| 10°-20° | 157.1 | 4.3 |
| 20°-30° | 232.0 | 6.3 |
| 30°-40° | 270.7 | 7.4 |
| 40°-50° | 271.9 | 7.4 |
| 50°-60° | 238.7 | 6.5 |
| 60°-70° | 177.8 | 4.8 |
| 70°-80° | 101.7 | 2.8 |
| 80°-90° | 31.2 | 0.8 |
| 90°-100° | 207.1 | 5.6 |
| 100°-110° | 445.2 | 12.1 |
| 110°-120° | 417.8 | 11.4 |
| 120°-130° | 338.6 | 9.2 |
| 130°-140° | 271.7 | 7.4 |
| 140°-150° | 205.1 | 5.6 |
| 150°-160° | 144.3 | 3.9 |
| 160°-170° | 85.1 | 2.3 |
| 170°-180° | 27.7 | 0.8 |
| 0°-30° | 444.7 | 12.1 |
| 0°-40° | 715.5 | 19.4 |
| 0°-60° | 1226.0 | 33.3 |
| 0°-90° | 1536.7 | 41.8 |
| 90°-120° | 1070.2 | 29.1 |
| 90°-150° | 1885.6 | 51.2 |
| 90°-180° | 2143.0 | 58.2 |
| 0°-180° | 3679.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 590 | 590 | 590 | 590 | 590 | |
| 5° | 589 | 588 | 583 | 587 | 587 | 56 |
| 15° | 562 | 560 | 555 | 557 | 557 | 158 |
| 25° | 510 | 507 | 501 | 502 | 501 | 234 |
| 35° | 440 | 438 | 432 | 429 | 426 | 275 |
| 45° | 360 | 358 | 353 | 348 | 346 | 278 |
| 55° | 274 | 273 | 266 | 262 | 259 | 245 |
| 65° | 185 | 184 | 179 | 175 | 173 | 184 |
| 75° | 98 | 98 | 95 | 94 | 92 | 105 |
| 85° | 26 | 26 | 26 | 26 | 25 | 29 |
| 90° | 1 | 5 | 9 | 12 | 13 | 3 |
| 95° | 19 | 56 | 510 | 232 | 135 | 20 |
| 105° | 65 | 91 | 418 | 822 | 763 | 69 |
| 115° | 116 | 140 | 335 | 723 | 850 | 114 |
| 125° | 161 | 189 | 321 | 575 | 670 | 143 |
| 135° | 189 | 227 | 319 | 482 | 556 | 147 |
| 145° | 220 | 252 | 320 | 399 | 439 | 138 |
| 155° | 251 | 270 | 312 | 353 | 368 | 116 |
| 165° | 274 | 282 | 300 | 318 | 323 | 77 |
| 175° | 285 | 285 | 287 | 291 | 290 | 27 |
| 180° | 286 | 286 | 286 | 286 | 286 | |



TEST NUMBER: P333132-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 |
| 2.5° | 591.4 | 591.2 | 591.0 | 590.7 | 590.5 | 589.9 | 589.1 | 588.2 | 587.4 | 586.5 | 587.4 |
| 5° | 589.0 | 588.8 | 588.5 | 588.3 | 588.1 | 587.5 | 586.5 | 585.5 | 584.4 | 583.4 | 584.3 |
| 7.5° | 583.6 | 583.4 | 583.2 | 583.0 | 582.8 | 582.1 | 581.0 | 579.8 | 578.7 | 577.5 | 578.5 |
| 10° | 578.8 | 578.6 | 578.3 | 578.1 | 577.9 | 577.2 | 576.1 | 574.9 | 573.8 | 572.7 | 573.5 |
| 12.5° | 572.8 | 572.4 | 572.0 | 571.7 | 571.3 | 570.6 | 569.5 | 568.5 | 567.3 | 566.3 | 566.9 |
| 15° | 561.5 | 561.2 | 560.9 | 560.6 | 560.2 | 559.5 | 558.4 | 557.2 | 556.0 | 554.9 | 555.4 |
| 17.5° | 548.5 | 548.1 | 547.5 | 547.1 | 546.6 | 545.8 | 544.6 | 543.5 | 542.3 | 541.1 | 541.8 |
| 20° | 537.7 | 537.5 | 537.2 | 537.0 | 536.8 | 536.0 | 534.7 | 533.3 | 532.0 | 530.7 | 531.4 |
| 22.5° | 526.8 | 526.4 | 526.0 | 525.7 | 525.3 | 524.5 | 523.2 | 522.0 | 520.7 | 519.5 | 520.0 |
| 25° | 509.7 | 509.2 | 508.6 | 508.1 | 507.6 | 506.6 | 505.3 | 503.9 | 502.6 | 501.3 | 501.5 |
| 27.5° | 489.6 | 489.3 | 489.0 | 488.7 | 488.4 | 487.5 | 486.1 | 484.7 | 483.3 | 481.9 | 482.0 |
| 30° | 476.6 | 476.3 | 475.8 | 475.5 | 475.2 | 474.3 | 472.8 | 471.2 | 469.7 | 468.1 | 467.9 |
| 32.5° | 462.3 | 461.8 | 461.4 | 460.9 | 460.4 | 459.5 | 458.1 | 456.7 | 455.3 | 453.9 | 453.5 |
| 35° | 440.1 | 439.7 | 439.3 | 438.9 | 438.5 | 437.5 | 436.1 | 434.6 | 433.1 | 431.7 | 431.2 |
| 37.5° | 417.1 | 416.6 | 416.1 | 415.5 | 415.0 | 414.0 | 412.6 | 411.3 | 409.9 | 408.6 | 407.8 |
| 40° | 401.4 | 400.8 | 400.3 | 399.8 | 399.3 | 398.3 | 396.9 | 395.5 | 393.9 | 392.5 | 391.6 |
| 42.5° | 384.6 | 384.2 | 383.7 | 383.2 | 382.8 | 381.9 | 380.4 | 379.0 | 377.5 | 376.1 | 375.3 |
| 45° | 360.3 | 359.9 | 359.5 | 359.1 | 358.6 | 357.8 | 356.6 | 355.4 | 354.1 | 352.8 | 351.6 |
| 47.5° | 334.2 | 334.2 | 334.2 | 334.3 | 334.3 | 333.6 | 332.0 | 330.5 | 329.0 | 327.5 | 326.3 |
| 50° | 317.4 | 317.1 | 316.8 | 316.4 | 316.1 | 315.4 | 314.1 | 312.9 | 311.6 | 310.3 | 309.0 |
| 52.5° | 300.2 | 299.9 | 299.7 | 299.5 | 299.3 | 298.5 | 297.2 | 295.9 | 294.5 | 293.2 | 292.1 |
| 55° | 274.4 | 274.1 | 273.8 | 273.5 | 273.2 | 272.3 | 270.8 | 269.4 | 267.9 | 266.5 | 265.6 |
| 57.5° | 247.3 | 247.1 | 246.9 | 246.8 | 246.6 | 245.9 | 244.7 | 243.5 | 242.3 | 241.1 | 239.8 |
| 60° | 230.0 | 229.6 | 229.2 | 228.8 | 228.4 | 227.6 | 226.5 | 225.4 | 224.2 | 223.1 | 222.1 |
| 62.5° | 212.2 | 211.9 | 211.5 | 211.2 | 210.9 | 210.2 | 209.2 | 208.2 | 207.2 | 206.3 | 205.2 |
| 65° | 185.3 | 185.1 | 184.9 | 184.7 | 184.5 | 183.8 | 182.7 | 181.5 | 180.4 | 179.3 | 178.2 |
| 67.5° | 159.3 | 158.9 | 158.3 | 157.9 | 157.5 | 156.8 | 156.0 | 155.1 | 154.3 | 153.5 | 152.7 |
| 70° | 142.8 | 142.3 | 141.8 | 141.3 | 140.8 | 140.0 | 139.1 | 138.1 | 137.2 | 136.3 | 135.6 |
| 72.5° | 124.9 | 124.5 | 124.2 | 123.8 | 123.5 | 123.0 | 122.4 | 121.8 | 121.2 | 120.6 | 119.9 |
| 75° | 98.5 | 98.3 | 98.1 | 97.9 | 97.7 | 97.3 | 96.7 | 96.2 | 95.7 | 95.2 | 94.9 |
| 77.5° | 74.1 | 74.0 | 73.9 | 73.8 | 73.8 | 73.6 | 73.3 | 73.0 | 72.7 | 72.4 | 72.2 |
| 80° | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.7 | 58.5 | 58.3 | 58.1 | 57.9 | 57.8 |
| 82.5° | 45.3 | 45.2 | 45.0 | 44.8 | 44.7 | 44.6 | 44.5 | 44.5 | 44.4 | 44.4 | 44.2 |
| 85° | 25.7 | 25.8 | 25.9 | 26.0 | 26.1 | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 | 26.1 |
| 87.5° | 10.2 | 10.3 | 10.5 | 10.8 | 11.0 | 11.2 | 11.2 | 11.4 | 11.4 | 11.5 | 11.7 |
| 90° | 0.6 | 1.1 | 2.3 | 3.4 | 4.6 | 5.8 | 6.4 | 7.5 | 8.1 | 9.2 | 9.8 |
| 92.5° | 7.1 | 8.5 | 13.3 | 20.5 | 30.4 | 47.3 | 78.7 | 131.5 | 188.7 | 185.7 | 150.4 |
| 95° | 19.0 | 19.6 | 24.2 | 30.5 | 43.2 | 69.2 | 130.8 | 257.5 | 416.5 | 510.4 | 499.5 |
| 97.5° | 31.6 | 32.2 | 35.4 | 41.8 | 53.2 | 71.9 | 112.7 | 205.5 | 371.9 | 545.0 | 632.0 |
| 100° | 40.3 | 41.5 | 43.8 | 50.1 | 61.1 | 78.4 | 111.8 | 186.6 | 331.8 | 520.2 | 664.2 |
| 102.5° | 50.0 | 50.7 | 52.5 | 59.4 | 69.4 | 86.1 | 115.9 | 178.8 | 301.3 | 476.4 | 644.8 |
| 105° | 65.1 | 65.1 | 68.0 | 73.7 | 82.9 | 99.1 | 124.4 | 175.7 | 271.9 | 417.7 | 583.0 |
| 107.5° | 79.9 | 81.0 | 83.7 | 88.5 | 98.1 | 112.6 | 137.1 | 181.0 | 259.4 | 377.2 | 519.9 |
| 110° | 90.5 | 91.6 | 93.9 | 99.1 | 107.8 | 122.7 | 146.3 | 186.0 | 255.8 | 358.3 | 483.9 |



TEST NUMBER: P333132-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 101.1 | 102.2 | 104.0 | 109.3 | 117.9 | 132.4 | 155.1 | 192.5 | 255.8 | 347.3 | 457.2 |
| 115° | 116.3 | 117.5 | 119.3 | 124.4 | 133.1 | 147.4 | 168.7 | 202.2 | 257.5 | 335.3 | 428.0 |
| 117.5° | 130.2 | 131.9 | 133.8 | 139.0 | 148.8 | 162.7 | 182.9 | 213.3 | 261.3 | 329.4 | 410.6 |
| 120° | 139.4 | 141.2 | 143.4 | 148.7 | 158.4 | 172.8 | 193.0 | 220.7 | 265.0 | 326.6 | 400.9 |
| 122.5° | 149.1 | 150.4 | 152.2 | 157.3 | 168.1 | 182.5 | 202.7 | 228.9 | 268.2 | 324.4 | 392.6 |
| 125° | 161.3 | 162.5 | 165.3 | 170.5 | 181.5 | 196.4 | 215.4 | 240.2 | 273.7 | 321.4 | 381.3 |
| 127.5° | 170.9 | 172.6 | 176.3 | 182.9 | 194.5 | 209.4 | 227.7 | 250.5 | 279.7 | 320.0 | 371.0 |
| 130° | 176.8 | 178.5 | 183.2 | 190.7 | 202.8 | 217.7 | 235.6 | 257.5 | 283.5 | 319.1 | 364.1 |
| 132.5° | 181.5 | 183.7 | 189.1 | 197.6 | 210.2 | 225.1 | 243.0 | 263.5 | 287.6 | 319.1 | 358.5 |
| 135° | 188.9 | 191.3 | 198.1 | 207.4 | 219.4 | 235.0 | 252.9 | 271.9 | 293.2 | 319.1 | 351.9 |
| 137.5° | 198.4 | 200.2 | 206.6 | 215.8 | 227.6 | 243.7 | 259.9 | 278.1 | 298.4 | 319.8 | 346.1 |
| 140° | 203.9 | 205.6 | 212.6 | 221.8 | 232.8 | 248.3 | 265.0 | 282.3 | 300.7 | 320.3 | 343.4 |
| 142.5° | 210.4 | 211.7 | 218.1 | 227.3 | 237.8 | 252.5 | 268.2 | 284.6 | 302.1 | 320.7 | 341.0 |
| 145° | 220.0 | 221.2 | 226.9 | 235.0 | 245.4 | 258.6 | 273.7 | 288.0 | 303.6 | 320.3 | 337.6 |
| 147.5° | 230.1 | 230.9 | 235.8 | 243.3 | 252.3 | 264.0 | 277.1 | 290.1 | 304.2 | 318.8 | 334.0 |
| 150° | 236.2 | 237.3 | 241.4 | 248.8 | 256.9 | 266.7 | 279.4 | 291.4 | 304.2 | 317.4 | 331.2 |
| 152.5° | 242.7 | 243.3 | 246.9 | 253.5 | 261.1 | 269.9 | 281.7 | 292.4 | 303.7 | 315.6 | 328.0 |
| 155° | 251.2 | 251.2 | 254.6 | 260.3 | 266.1 | 274.2 | 284.0 | 293.2 | 302.5 | 312.3 | 322.6 |
| 157.5° | 258.7 | 258.6 | 261.5 | 266.4 | 271.5 | 277.5 | 286.0 | 293.8 | 300.9 | 308.7 | 317.5 |
| 160° | 263.9 | 263.3 | 265.6 | 269.6 | 274.2 | 279.4 | 286.9 | 293.8 | 299.5 | 306.5 | 313.4 |
| 162.5° | 268.0 | 267.4 | 269.7 | 273.3 | 277.0 | 281.2 | 287.8 | 293.4 | 298.2 | 303.7 | 309.7 |
| 165° | 274.2 | 273.1 | 274.8 | 277.6 | 279.9 | 283.5 | 288.0 | 292.7 | 296.1 | 299.5 | 304.2 |
| 167.5° | 278.3 | 277.8 | 278.8 | 280.4 | 282.1 | 284.2 | 288.0 | 291.2 | 292.9 | 295.5 | 298.7 |
| 170° | 281.1 | 280.5 | 281.1 | 282.3 | 283.5 | 285.2 | 288.0 | 290.3 | 291.4 | 293.2 | 295.5 |
| 172.5° | 283.0 | 282.0 | 282.5 | 283.7 | 284.4 | 285.2 | 287.6 | 289.4 | 289.6 | 290.4 | 292.3 |
| 175° | 285.2 | 284.0 | 284.6 | 285.2 | 285.2 | 285.2 | 286.9 | 288.0 | 287.4 | 287.4 | 288.0 |
| 177.5° | 286.2 | 285.3 | 285.3 | 285.7 | 285.3 | 285.3 | 286.2 | 286.6 | 285.7 | 285.7 | 286.2 |
| 180° | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 |



TEST NUMBER: P333132-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 | 590.0 |
| 2.5° | 588.2 | 589.1 | 589.9 | 590.3 | 590.2 | 590.1 | 590.1 | 590.0 |
| 5° | 585.2 | 586.2 | 587.1 | 587.5 | 587.4 | 587.3 | 587.2 | 587.1 |
| 7.5° | 579.4 | 580.3 | 581.2 | 581.6 | 581.5 | 581.4 | 581.3 | 581.2 |
| 10° | 574.3 | 575.1 | 576.0 | 576.3 | 576.2 | 576.1 | 576.0 | 575.9 |
| 12.5° | 567.6 | 568.4 | 569.0 | 569.3 | 569.3 | 569.3 | 569.3 | 569.2 |
| 15° | 555.9 | 556.4 | 557.0 | 557.2 | 557.2 | 557.2 | 557.2 | 557.2 |
| 17.5° | 542.4 | 543.0 | 543.7 | 543.7 | 543.2 | 542.7 | 542.2 | 541.7 |
| 20° | 532.1 | 532.8 | 533.5 | 533.7 | 533.1 | 532.6 | 532.1 | 531.6 |
| 22.5° | 520.4 | 520.9 | 521.4 | 521.4 | 521.1 | 520.7 | 520.4 | 520.0 |
| 25° | 501.7 | 501.9 | 502.1 | 502.0 | 501.7 | 501.4 | 501.1 | 500.8 |
| 27.5° | 482.0 | 482.0 | 482.1 | 482.0 | 481.6 | 481.3 | 481.0 | 480.7 |
| 30° | 467.7 | 467.5 | 467.3 | 467.1 | 466.8 | 466.5 | 466.1 | 465.7 |
| 32.5° | 453.2 | 452.8 | 452.4 | 452.0 | 451.4 | 450.8 | 450.3 | 449.7 |
| 35° | 430.7 | 430.2 | 429.6 | 429.0 | 428.2 | 427.3 | 426.5 | 425.7 |
| 37.5° | 407.1 | 406.3 | 405.5 | 404.9 | 404.3 | 403.9 | 403.4 | 402.9 |
| 40° | 390.6 | 389.7 | 388.8 | 388.2 | 387.9 | 387.5 | 387.2 | 386.9 |
| 42.5° | 374.4 | 373.5 | 372.6 | 372.0 | 371.5 | 371.0 | 370.6 | 370.1 |
| 45° | 350.3 | 349.1 | 347.9 | 347.1 | 346.8 | 346.5 | 346.2 | 345.9 |
| 47.5° | 325.0 | 323.8 | 322.4 | 321.4 | 320.7 | 320.0 | 319.3 | 318.6 |
| 50° | 307.7 | 306.3 | 305.0 | 304.0 | 303.2 | 302.5 | 301.7 | 301.0 |
| 52.5° | 290.8 | 289.6 | 288.4 | 287.5 | 286.7 | 285.9 | 285.1 | 284.3 |
| 55° | 264.6 | 263.7 | 262.8 | 262.0 | 261.3 | 260.4 | 259.7 | 259.0 |
| 57.5° | 238.6 | 237.4 | 236.2 | 235.4 | 235.0 | 234.6 | 234.2 | 233.8 |
| 60° | 221.1 | 219.9 | 218.9 | 218.0 | 217.3 | 216.6 | 215.9 | 215.2 |
| 62.5° | 204.1 | 202.9 | 201.8 | 201.0 | 200.5 | 199.9 | 199.2 | 198.7 |
| 65° | 177.3 | 176.4 | 175.5 | 174.8 | 174.4 | 174.0 | 173.6 | 173.2 |
| 67.5° | 151.9 | 151.1 | 150.3 | 149.8 | 149.6 | 149.3 | 149.1 | 148.8 |
| 70° | 135.0 | 134.4 | 133.8 | 133.3 | 132.9 | 132.5 | 132.0 | 131.6 |
| 72.5° | 119.2 | 118.5 | 117.8 | 117.2 | 116.8 | 116.4 | 115.9 | 115.5 |
| 75° | 94.6 | 94.3 | 93.9 | 93.6 | 93.2 | 92.8 | 92.4 | 91.9 |
| 77.5° | 72.1 | 71.9 | 71.7 | 71.5 | 71.2 | 70.9 | 70.6 | 70.3 |
| 80° | 57.7 | 57.6 | 57.5 | 57.3 | 57.1 | 56.9 | 56.7 | 56.5 |
| 82.5° | 44.0 | 43.8 | 43.7 | 43.5 | 43.5 | 43.5 | 43.4 | 43.4 |
| 85° | 26.0 | 25.9 | 25.8 | 25.5 | 25.3 | 25.1 | 24.9 | 24.7 |
| 87.5° | 11.8 | 11.9 | 12.0 | 12.1 | 12.0 | 11.8 | 11.8 | 11.6 |
| 90° | 10.4 | 10.9 | 11.5 | 12.6 | 12.6 | 12.6 | 13.2 | 13.2 |
| 92.5° | 102.1 | 74.1 | 55.7 | 47.3 | 39.9 | 38.5 | 37.7 | 36.8 |
| 95° | 414.1 | 326.6 | 255.8 | 207.4 | 166.5 | 149.2 | 144.6 | 135.4 |
| 97.5° | 616.8 | 555.4 | 486.5 | 419.1 | 383.5 | 351.2 | 334.6 | 327.2 |
| 100° | 708.5 | 680.3 | 621.0 | 561.1 | 521.3 | 479.9 | 458.6 | 449.3 |
| 102.5° | 739.4 | 756.8 | 728.3 | 687.8 | 645.3 | 615.8 | 592.7 | 585.7 |
| 105° | 721.2 | 800.1 | 825.5 | 819.1 | 800.7 | 781.7 | 770.2 | 763.3 |
| 107.5° | 656.2 | 761.5 | 826.7 | 856.7 | 866.1 | 866.0 | 862.1 | 857.5 |
| 110° | 608.3 | 717.8 | 799.0 | 848.0 | 873.8 | 884.8 | 888.9 | 888.9 |



TEST NUMBER: P333132-840

CATALOG NUMBER: S125DIP-S375D590U840-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 570.6 | 674.5 | 756.6 | 814.4 | 852.2 | 871.0 | 881.0 | 885.1 |
| 115° | 523.0 | 612.4 | 691.3 | 754.1 | 799.0 | 826.7 | 842.7 | 850.3 |
| 117.5° | 492.4 | 569.4 | 637.3 | 695.0 | 739.9 | 768.5 | 784.5 | 789.1 |
| 120° | 475.8 | 544.9 | 608.3 | 659.0 | 701.7 | 729.3 | 744.9 | 749.4 |
| 122.5° | 463.4 | 527.5 | 583.9 | 631.4 | 669.3 | 694.7 | 710.2 | 714.4 |
| 125° | 445.2 | 504.0 | 554.2 | 595.6 | 627.9 | 651.6 | 664.2 | 669.9 |
| 127.5° | 426.9 | 481.7 | 528.5 | 567.3 | 596.5 | 617.4 | 629.3 | 632.0 |
| 130° | 415.4 | 466.1 | 511.0 | 548.4 | 577.2 | 596.2 | 607.7 | 611.2 |
| 132.5° | 403.8 | 451.3 | 492.1 | 528.2 | 556.9 | 575.9 | 586.5 | 590.5 |
| 135° | 388.8 | 428.6 | 465.4 | 498.3 | 523.6 | 542.6 | 553.0 | 556.4 |
| 137.5° | 376.2 | 408.3 | 439.0 | 466.9 | 489.5 | 506.9 | 516.3 | 520.2 |
| 140° | 369.2 | 396.4 | 422.8 | 447.1 | 468.4 | 483.3 | 491.9 | 494.8 |
| 142.5° | 363.2 | 386.2 | 409.0 | 430.0 | 448.1 | 460.7 | 468.9 | 471.3 |
| 145° | 355.5 | 373.2 | 391.1 | 406.7 | 420.5 | 430.3 | 436.7 | 439.0 |
| 147.5° | 348.1 | 362.5 | 376.3 | 388.0 | 399.0 | 406.8 | 410.5 | 411.5 |
| 150° | 343.9 | 356.6 | 367.5 | 377.9 | 386.6 | 393.4 | 395.8 | 396.4 |
| 152.5° | 339.3 | 350.6 | 360.6 | 368.7 | 376.0 | 381.4 | 383.7 | 384.4 |
| 155° | 332.3 | 341.6 | 349.6 | 356.0 | 361.7 | 365.8 | 367.5 | 368.1 |
| 157.5° | 325.5 | 333.1 | 339.3 | 344.3 | 348.7 | 352.0 | 353.7 | 353.6 |
| 160° | 320.8 | 326.6 | 332.3 | 336.4 | 340.4 | 343.4 | 344.5 | 343.9 |
| 162.5° | 315.8 | 321.1 | 325.9 | 329.5 | 332.6 | 335.1 | 335.3 | 335.2 |
| 165° | 308.7 | 312.8 | 316.3 | 319.1 | 321.4 | 322.6 | 322.6 | 322.6 |
| 167.5° | 302.1 | 304.8 | 307.4 | 309.4 | 310.6 | 311.6 | 311.1 | 311.0 |
| 170° | 298.4 | 300.1 | 301.8 | 303.0 | 304.2 | 304.8 | 304.8 | 304.2 |
| 172.5° | 294.3 | 296.0 | 297.2 | 297.9 | 298.2 | 299.2 | 298.3 | 297.7 |
| 175° | 289.7 | 289.7 | 290.9 | 290.9 | 290.9 | 291.4 | 290.3 | 289.7 |
| 177.5° | 286.6 | 287.1 | 287.1 | 287.1 | 286.6 | 287.1 | 285.7 | 285.7 |
| 180° | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 | 285.7 |

(END OF REPORT)