

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: P333121-840

Luminaire Tested: **S125DIP-S375D365U840-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333121-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D365U840-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3014.9 lumens
Efficiency: N/A
Efficacy: 148.5 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

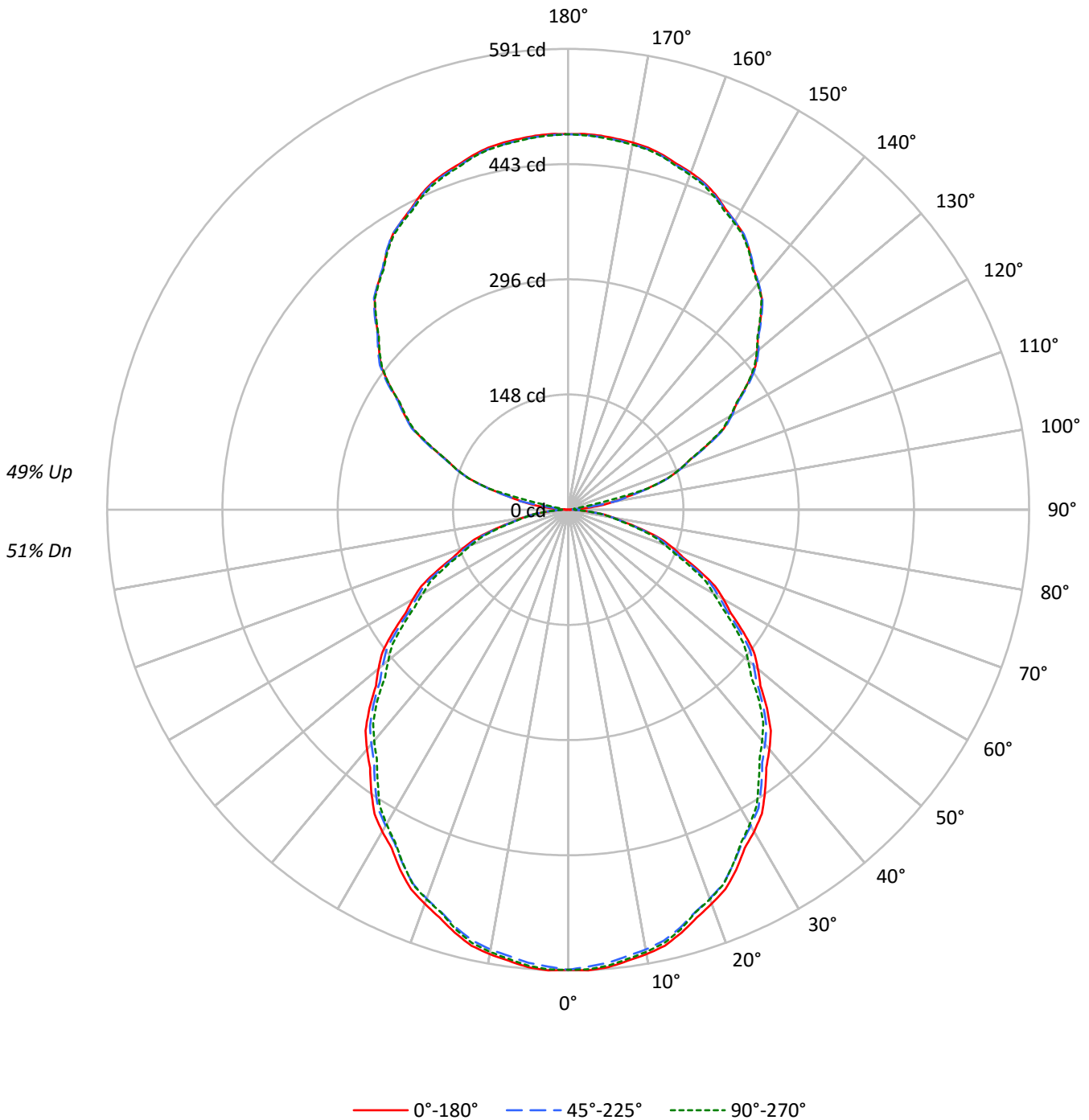
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333121-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333121-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-F

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 | | | | | | 51 | | | | | | | | | | | | | | |
| 1 | 98 | 94 | 90 | 86 | 90 | 87 | 83 | 80 | 73 | 71 | 69 | 61 | 60 | 58 | 50 | 49 | 48 | 43 | | | | | | 43 | | | | | | | | | | | | | | |
| 2 | 89 | 82 | 75 | 70 | 82 | 76 | 70 | 66 | 64 | 60 | 57 | 54 | 51 | 48 | 44 | 42 | 40 | 36 | | | | | | 36 | | | | | | | | | | | | | | |
| 3 | 81 | 72 | 64 | 59 | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 48 | 44 | 41 | 39 | 37 | 34 | 30 | | | | | | 30 | | | | | | | | | | | | | | |
| 4 | 74 | 63 | 56 | 49 | 68 | 59 | 52 | 46 | 50 | 45 | 41 | 42 | 38 | 35 | 35 | 32 | 30 | 26 | | | | | | 26 | | | | | | | | | | | | | | |
| 5 | 68 | 57 | 48 | 42 | 63 | 53 | 45 | 40 | 45 | 39 | 35 | 38 | 34 | 30 | 31 | 28 | 26 | 23 | | | | | | 23 | | | | | | | | | | | | | | |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 34 | 30 | 27 | 29 | 25 | 23 | 20 | | | | | | 20 | | | | | | | | | | | | | | |
| 7 | 58 | 46 | 38 | 32 | 54 | 43 | 36 | 30 | 37 | 31 | 27 | 31 | 27 | 24 | 26 | 23 | 20 | 18 | | | | | | 18 | | | | | | | | | | | | | | |
| 8 | 54 | 42 | 34 | 28 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 24 | 21 | 24 | 21 | 18 | 16 | | | | | | 16 | | | | | | | | | | | | | | |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 16 | 14 | | | | | | 14 | | | | | | | | | | | | | | |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 21 | 17 | 15 | 13 | | | | | | 13 | | | | | | | | | | | | | | |

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: P333121-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.6 | 1.8 |
| 10°-20° | 157.1 | 5.2 |
| 20°-30° | 232.0 | 7.7 |
| 30°-40° | 270.7 | 9.0 |
| 40°-50° | 271.9 | 9.0 |
| 50°-60° | 238.7 | 7.9 |
| 60°-70° | 177.8 | 5.9 |
| 70°-80° | 101.7 | 3.4 |
| 80°-90° | 30.6 | 1.0 |
| 90°-100° | 17.5 | 0.6 |
| 100°-110° | 107.8 | 3.6 |
| 110°-120° | 195.6 | 6.5 |
| 120°-130° | 251.0 | 8.3 |
| 130°-140° | 270.0 | 9.0 |
| 140°-150° | 253.4 | 8.4 |
| 150°-160° | 205.0 | 6.8 |
| 160°-170° | 132.6 | 4.4 |
| 170°-180° | 45.7 | 1.5 |
| 0°-30° | 444.7 | 14.8 |
| 0°-40° | 715.5 | 23.7 |
| 0°-60° | 1226.0 | 40.7 |
| 0°-90° | 1536.1 | 51.0 |
| 90°-120° | 321.0 | 10.6 |
| 90°-150° | 1095.4 | 36.3 |
| 90°-180° | 1479.0 | 49.1 |
| 0°-180° | 3014.9 | 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° | 0 | 3 | 6 | 7 | 9 | 2 |
| 95° | 20 | 19 | 6 | 7 | 8 | 26 |
| 105° | 105 | 106 | 106 | 106 | 106 | 111 |
| 115° | 197 | 199 | 199 | 198 | 196 | 195 |
| 125° | 280 | 283 | 283 | 281 | 280 | 250 |
| 135° | 350 | 351 | 351 | 350 | 348 | 269 |
| 145° | 405 | 406 | 406 | 406 | 404 | 253 |
| 155° | 446 | 444 | 445 | 446 | 443 | 206 |
| 165° | 471 | 469 | 469 | 471 | 468 | 133 |
| 175° | 482 | 480 | 480 | 482 | 479 | 46 |
| 180° | 482 | 482 | 482 | 482 | 482 | |



TEST NUMBER: P333121-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-F

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 | 10.4 | 10.5 | 10.7 | 10.7 | 10.8 | 10.8 | 10.8 | 10.8 | 10.9 |
| 90° | 0.4 | 1.0 | 1.6 | 2.2 | 2.9 | 3.5 | 4.0 | 4.6 | 5.2 | 5.8 | 6.1 |
| 92.5° | 5.5 | 5.0 | 4.6 | 4.1 | 3.7 | 3.7 | 4.2 | 4.7 | 5.3 | 5.8 | 6.1 |
| 95° | 20.3 | 20.1 | 19.9 | 19.6 | 19.4 | 17.8 | 14.7 | 11.7 | 8.7 | 5.8 | 6.1 |
| 97.5° | 42.5 | 42.9 | 43.3 | 43.7 | 44.2 | 41.4 | 35.4 | 29.5 | 23.5 | 17.6 | 15.3 |
| 100° | 59.6 | 59.9 | 60.1 | 60.3 | 60.6 | 60.8 | 61.2 | 61.5 | 61.8 | 62.1 | 50.3 |
| 102.5° | 77.1 | 77.4 | 77.7 | 78.0 | 78.3 | 78.5 | 78.7 | 78.9 | 79.1 | 79.3 | 77.1 |
| 105° | 104.9 | 105.2 | 105.6 | 105.9 | 106.2 | 106.3 | 106.3 | 106.3 | 106.3 | 106.3 | 106.3 |
| 107.5° | 133.9 | 133.9 | 133.9 | 133.9 | 133.9 | 134.0 | 134.2 | 134.3 | 134.5 | 134.6 | 134.6 |
| 110° | 152.8 | 152.8 | 152.8 | 152.8 | 152.8 | 152.9 | 153.0 | 153.2 | 153.3 | 153.5 | 153.3 |



TEST NUMBER: P333121-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 170.5 | 170.7 | 170.9 | 171.1 | 171.3 | 171.4 | 171.5 | 171.6 | 171.7 | 171.8 | 171.5 |
| 115° | 197.0 | 197.4 | 197.8 | 198.2 | 198.6 | 198.8 | 198.9 | 199.0 | 199.1 | 199.1 | 198.8 |
| 117.5° | 224.5 | 224.5 | 224.5 | 224.5 | 224.5 | 224.6 | 224.9 | 225.2 | 225.5 | 225.8 | 225.4 |
| 120° | 241.7 | 241.6 | 241.6 | 241.5 | 241.4 | 241.5 | 241.7 | 241.9 | 242.2 | 242.4 | 242.3 |
| 122.5° | 256.8 | 257.1 | 257.4 | 257.7 | 258.0 | 258.2 | 258.3 | 258.4 | 258.5 | 258.6 | 258.5 |
| 125° | 280.2 | 280.7 | 281.3 | 281.9 | 282.5 | 282.8 | 282.8 | 282.8 | 282.8 | 282.8 | 282.4 |
| 127.5° | 302.6 | 303.0 | 303.4 | 303.8 | 304.2 | 304.4 | 304.3 | 304.3 | 304.2 | 304.2 | 304.0 |
| 130° | 316.3 | 316.7 | 317.1 | 317.5 | 317.9 | 318.1 | 318.2 | 318.2 | 318.3 | 318.4 | 318.2 |
| 132.5° | 330.0 | 330.4 | 330.9 | 331.3 | 331.8 | 331.9 | 331.8 | 331.6 | 331.4 | 331.2 | 331.2 |
| 135° | 349.5 | 349.9 | 350.4 | 350.9 | 351.3 | 351.5 | 351.3 | 351.2 | 351.0 | 350.9 | 350.7 |
| 137.5° | 367.4 | 367.8 | 368.2 | 368.6 | 369.0 | 369.2 | 369.0 | 368.9 | 368.7 | 368.6 | 368.6 |
| 140° | 379.1 | 379.3 | 379.4 | 379.6 | 379.7 | 379.8 | 379.7 | 379.6 | 379.5 | 379.5 | 379.6 |
| 142.5° | 389.7 | 389.8 | 389.9 | 389.9 | 390.0 | 390.1 | 390.3 | 390.4 | 390.5 | 390.6 | 390.6 |
| 145° | 405.2 | 405.4 | 405.5 | 405.7 | 405.8 | 405.9 | 405.9 | 405.9 | 405.9 | 405.9 | 406.0 |
| 147.5° | 418.7 | 418.7 | 418.7 | 418.6 | 418.6 | 418.6 | 418.7 | 418.8 | 418.9 | 419.0 | 419.1 |
| 150° | 427.3 | 427.2 | 427.0 | 426.8 | 426.7 | 426.7 | 426.8 | 427.0 | 427.2 | 427.3 | 427.5 |
| 152.5° | 435.6 | 435.3 | 434.8 | 434.5 | 434.1 | 434.0 | 434.2 | 434.4 | 434.5 | 434.7 | 434.8 |
| 155° | 446.3 | 445.8 | 445.2 | 444.7 | 444.3 | 444.1 | 444.3 | 444.4 | 444.6 | 444.7 | 445.0 |
| 157.5° | 454.4 | 454.1 | 453.8 | 453.5 | 453.3 | 453.1 | 453.1 | 453.2 | 453.2 | 453.2 | 453.4 |
| 160° | 460.1 | 459.7 | 459.2 | 458.7 | 458.3 | 458.1 | 458.1 | 458.2 | 458.3 | 458.4 | 458.7 |
| 162.5° | 464.7 | 464.2 | 463.7 | 463.2 | 462.8 | 462.6 | 462.7 | 462.7 | 462.8 | 462.9 | 463.3 |
| 165° | 470.8 | 470.4 | 469.9 | 469.4 | 469.0 | 468.8 | 468.8 | 468.9 | 469.0 | 469.1 | 469.5 |
| 167.5° | 475.4 | 474.9 | 474.4 | 473.9 | 473.4 | 473.2 | 473.3 | 473.4 | 473.5 | 473.5 | 474.1 |
| 170° | 478.0 | 477.5 | 476.9 | 476.4 | 475.7 | 475.5 | 475.6 | 475.6 | 475.7 | 475.8 | 476.5 |
| 172.5° | 479.7 | 479.2 | 478.6 | 478.1 | 477.5 | 477.3 | 477.4 | 477.6 | 477.7 | 477.9 | 478.4 |
| 175° | 481.5 | 481.1 | 480.6 | 480.1 | 479.7 | 479.5 | 479.5 | 479.6 | 479.7 | 479.8 | 480.4 |
| 177.5° | 482.4 | 482.0 | 481.6 | 481.3 | 480.9 | 480.7 | 480.8 | 480.9 | 480.9 | 481.0 | 481.4 |
| 180° | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 |



TEST NUMBER: P333121-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-F

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° | 11.0 | 11.1 | 11.2 | 11.1 | 11.0 | 10.9 | 10.8 | 10.7 |
| 90° | 6.5 | 6.9 | 7.3 | 7.6 | 7.9 | 8.1 | 8.3 | 8.6 |
| 92.5° | 6.5 | 6.9 | 7.3 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 |
| 95° | 6.5 | 6.9 | 7.3 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 97.5° | 13.1 | 10.8 | 8.6 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 100° | 38.5 | 26.7 | 14.8 | 8.8 | 8.5 | 8.2 | 7.8 | 7.5 |
| 102.5° | 74.7 | 72.5 | 70.3 | 66.4 | 61.1 | 55.7 | 50.3 | 44.9 |
| 105° | 106.3 | 106.3 | 106.3 | 106.3 | 106.2 | 106.1 | 106.1 | 106.0 |
| 107.5° | 134.7 | 134.7 | 134.7 | 134.6 | 134.4 | 134.1 | 133.9 | 133.6 |
| 110° | 153.0 | 152.8 | 152.6 | 152.5 | 152.6 | 152.6 | 152.7 | 152.8 |



TEST NUMBER: P333121-840

CATALOG NUMBER: S125DIP-S375D365U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 171.2 | 170.9 | 170.6 | 170.4 | 170.3 | 170.2 | 170.1 | 170.0 |
| 115° | 198.5 | 198.2 | 197.9 | 197.5 | 197.0 | 196.6 | 196.1 | 195.6 |
| 117.5° | 225.0 | 224.6 | 224.2 | 223.9 | 223.7 | 223.5 | 223.3 | 223.1 |
| 120° | 242.1 | 241.9 | 241.8 | 241.5 | 241.1 | 240.7 | 240.2 | 239.8 |
| 122.5° | 258.3 | 258.2 | 258.0 | 257.7 | 257.2 | 256.8 | 256.3 | 255.9 |
| 125° | 282.1 | 281.8 | 281.4 | 281.1 | 280.9 | 280.7 | 280.4 | 280.2 |
| 127.5° | 303.8 | 303.6 | 303.5 | 303.1 | 302.5 | 301.8 | 301.3 | 300.7 |
| 130° | 317.9 | 317.7 | 317.5 | 317.1 | 316.8 | 316.4 | 316.0 | 315.6 |
| 132.5° | 331.1 | 331.1 | 331.0 | 330.8 | 330.4 | 330.0 | 329.6 | 329.3 |
| 135° | 350.6 | 350.4 | 350.2 | 349.9 | 349.5 | 349.0 | 348.5 | 348.0 |
| 137.5° | 368.7 | 368.7 | 368.7 | 368.5 | 368.1 | 367.7 | 367.3 | 366.9 |
| 140° | 379.8 | 379.9 | 380.1 | 379.9 | 379.5 | 379.0 | 378.5 | 378.0 |
| 142.5° | 390.6 | 390.7 | 390.7 | 390.5 | 390.0 | 389.5 | 389.1 | 388.6 |
| 145° | 406.1 | 406.1 | 406.2 | 406.0 | 405.6 | 405.1 | 404.6 | 404.0 |
| 147.5° | 419.2 | 419.3 | 419.4 | 419.2 | 418.6 | 418.0 | 417.5 | 416.9 |
| 150° | 427.6 | 427.8 | 427.9 | 427.7 | 427.1 | 426.5 | 425.8 | 425.2 |
| 152.5° | 435.0 | 435.2 | 435.4 | 435.2 | 434.5 | 434.0 | 433.4 | 432.8 |
| 155° | 445.2 | 445.5 | 445.8 | 445.6 | 444.9 | 444.2 | 443.6 | 443.0 |
| 157.5° | 453.7 | 453.9 | 454.2 | 454.0 | 453.4 | 452.7 | 452.1 | 451.5 |
| 160° | 459.0 | 459.3 | 459.6 | 459.5 | 458.8 | 458.2 | 457.6 | 457.0 |
| 162.5° | 463.8 | 464.2 | 464.7 | 464.5 | 463.8 | 463.1 | 462.5 | 461.8 |
| 165° | 470.0 | 470.5 | 471.0 | 470.9 | 470.3 | 469.6 | 469.0 | 468.4 |
| 167.5° | 474.7 | 475.2 | 475.8 | 475.7 | 475.0 | 474.3 | 473.6 | 472.9 |
| 170° | 477.1 | 477.8 | 478.4 | 478.4 | 477.7 | 477.0 | 476.2 | 475.4 |
| 172.5° | 479.0 | 479.6 | 480.1 | 480.1 | 479.4 | 478.6 | 477.9 | 477.2 |
| 175° | 481.0 | 481.7 | 482.3 | 482.3 | 481.5 | 480.8 | 480.1 | 479.4 |
| 177.5° | 481.9 | 482.3 | 482.7 | 482.7 | 482.2 | 481.7 | 481.2 | 480.7 |
| 180° | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 | 481.5 |

(END OF REPORT)