

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: P333368-940

Luminaire Tested: **S125DIW-S375D1560U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333368-940
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: S125DIW-S375D1560U940-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6920.0 lumens
Efficiency: N/A
Efficacy: 129.6 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: Semi-Indirect

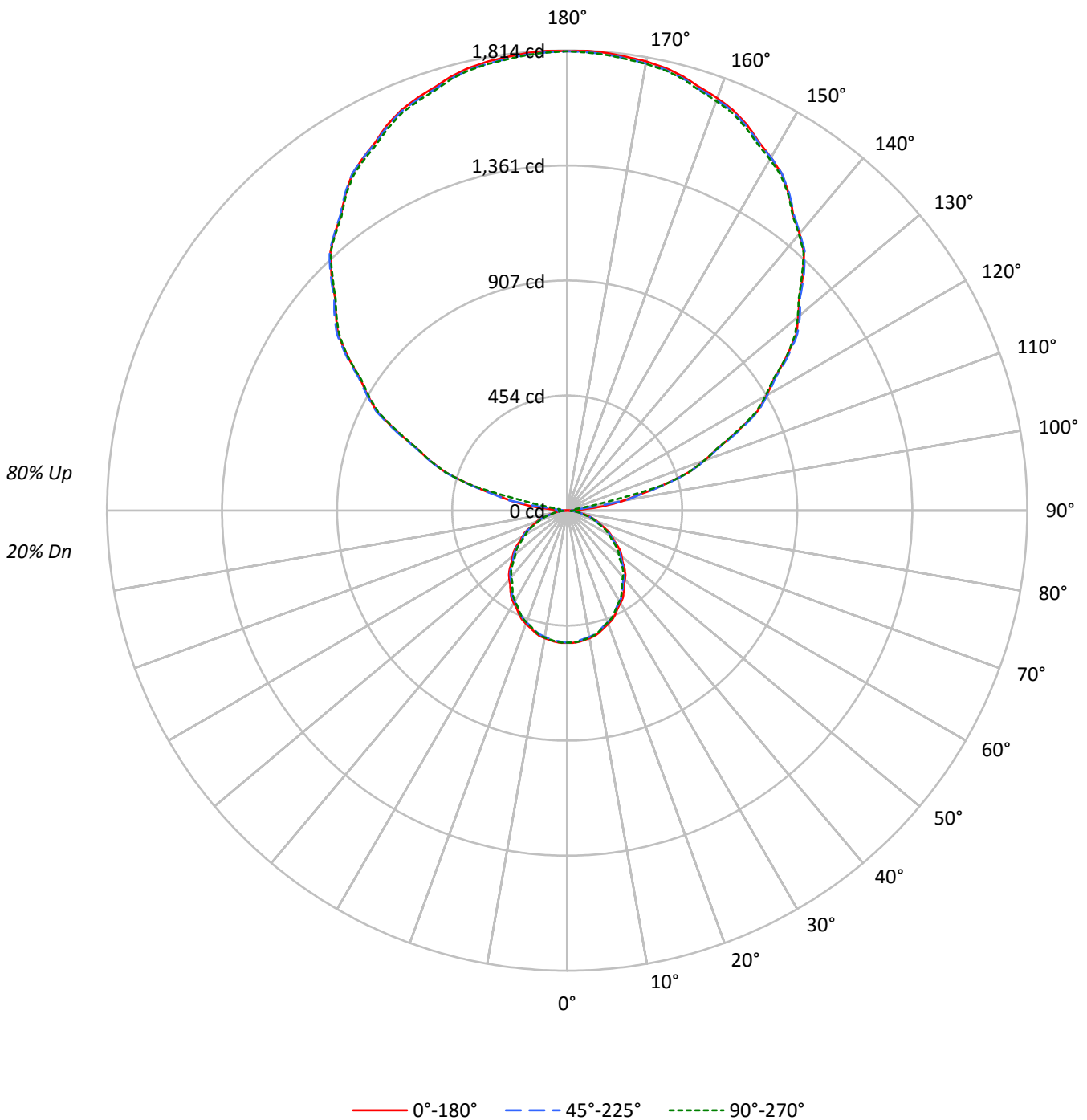
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333368-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333368-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-F

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 100 | 100 | 100 | 100 | 88 | 88 | 88 | 88 | 66 | 66 | 66 | 47 | 47 | 47 | 28 | 28 | 28 | 20 | | | | |
| 1 | 91 | 87 | 83 | 80 | 80 | 77 | 74 | 71 | 58 | 56 | 54 | 41 | 40 | 38 | 25 | 24 | 24 | 16 | | | | |
| 2 | 83 | 76 | 70 | 65 | 73 | 67 | 62 | 58 | 51 | 48 | 45 | 36 | 34 | 32 | 22 | 21 | 20 | 14 | | | | |
| 3 | 75 | 66 | 60 | 54 | 66 | 59 | 53 | 48 | 45 | 41 | 38 | 32 | 29 | 27 | 19 | 18 | 17 | 12 | | | | |
| 4 | 69 | 59 | 51 | 45 | 61 | 52 | 46 | 41 | 40 | 35 | 32 | 28 | 25 | 23 | 17 | 16 | 15 | 10 | | | | |
| 5 | 63 | 52 | 44 | 39 | 55 | 46 | 40 | 35 | 35 | 31 | 27 | 25 | 22 | 20 | 15 | 14 | 13 | 9 | | | | |
| 6 | 58 | 46 | 39 | 33 | 51 | 41 | 35 | 30 | 32 | 27 | 24 | 22 | 20 | 17 | 14 | 12 | 11 | 8 | | | | |
| 7 | 53 | 42 | 34 | 29 | 47 | 37 | 31 | 26 | 28 | 24 | 21 | 20 | 17 | 15 | 13 | 11 | 10 | 7 | | | | |
| 8 | 49 | 38 | 30 | 25 | 43 | 34 | 27 | 23 | 26 | 21 | 18 | 19 | 16 | 13 | 12 | 10 | 9 | 6 | | | | |
| 9 | 46 | 34 | 27 | 22 | 40 | 31 | 24 | 20 | 24 | 19 | 16 | 17 | 14 | 12 | 11 | 9 | 8 | 5 | | | | |
| 10 | 43 | 31 | 24 | 20 | 38 | 28 | 22 | 18 | 22 | 17 | 14 | 16 | 13 | 11 | 10 | 8 | 7 | 5 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3364 | 3364 | 3364 |
| 5° | 3371 | 3339 | 3361 |
| 10° | 3351 | 3316 | 3335 |
| 15° | 3315 | 3276 | 3290 |
| 20° | 3263 | 3221 | 3226 |
| 25° | 3207 | 3154 | 3151 |
| 30° | 3138 | 3082 | 3067 |
| 35° | 3064 | 3005 | 2964 |
| 40° | 2989 | 2922 | 2880 |
| 45° | 2906 | 2846 | 2789 |
| 50° | 2816 | 2753 | 2671 |
| 55° | 2728 | 2649 | 2575 |
| 60° | 2623 | 2545 | 2454 |
| 65° | 2500 | 2419 | 2337 |
| 70° | 2381 | 2274 | 2194 |
| 75° | 2168 | 2099 | 2024 |
| 80° | 1930 | 1901 | 1852 |
| 85° | 1675 | 1712 | 1615 |



TEST NUMBER: P333368-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 49.1 | 0.7 |
| 10°-20° | 138.7 | 2.0 |
| 20°-30° | 204.9 | 3.0 |
| 30°-40° | 239.0 | 3.5 |
| 40°-50° | 240.1 | 3.5 |
| 50°-60° | 210.7 | 3.0 |
| 60°-70° | 157.0 | 2.3 |
| 70°-80° | 89.8 | 1.3 |
| 80°-90° | 29.9 | 0.4 |
| 90°-100° | 65.8 | 1.0 |
| 100°-110° | 405.6 | 5.9 |
| 110°-120° | 735.5 | 10.6 |
| 120°-130° | 944.0 | 13.6 |
| 130°-140° | 1015.3 | 14.7 |
| 140°-150° | 953.0 | 13.8 |
| 150°-160° | 770.9 | 11.1 |
| 160°-170° | 498.6 | 7.2 |
| 170°-180° | 172.0 | 2.5 |
| 0°-30° | 392.7 | 5.7 |
| 0°-40° | 631.7 | 9.1 |
| 0°-60° | 1082.6 | 15.6 |
| 0°-90° | 1359.3 | 19.6 |
| 90°-120° | 1206.9 | 17.4 |
| 90°-150° | 4119.2 | 59.5 |
| 90°-180° | 5561.0 | 80.4 |
| 0°-180° | 6920.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 521 | 521 | 521 | 521 | 521 | |
| 5° | 520 | 519 | 515 | 519 | 518 | 49 |
| 15° | 496 | 494 | 490 | 492 | 492 | 140 |
| 25° | 450 | 448 | 443 | 443 | 442 | 207 |
| 35° | 389 | 387 | 381 | 379 | 376 | 243 |
| 45° | 318 | 316 | 312 | 307 | 305 | 245 |
| 55° | 242 | 241 | 235 | 232 | 229 | 216 |
| 65° | 164 | 163 | 158 | 155 | 153 | 162 |
| 75° | 87 | 86 | 84 | 83 | 81 | 93 |
| 85° | 23 | 23 | 23 | 23 | 22 | 25 |
| 90° | 1 | 12 | 22 | 28 | 32 | 4 |
| 95° | 76 | 70 | 22 | 28 | 28 | 97 |
| 105° | 395 | 400 | 400 | 400 | 399 | 418 |
| 115° | 741 | 747 | 749 | 744 | 736 | 734 |
| 125° | 1054 | 1063 | 1063 | 1058 | 1054 | 941 |
| 135° | 1314 | 1322 | 1320 | 1316 | 1309 | 1013 |
| 145° | 1524 | 1526 | 1526 | 1527 | 1520 | 952 |
| 155° | 1678 | 1670 | 1673 | 1676 | 1666 | 773 |
| 165° | 1771 | 1763 | 1764 | 1771 | 1761 | 500 |
| 175° | 1811 | 1803 | 1804 | 1814 | 1803 | 172 |
| 180° | 1811 | 1811 | 1811 | 1811 | 1811 | |



TEST NUMBER: P333368-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 |
| 2.5° | 522.2 | 522.0 | 521.8 | 521.6 | 521.4 | 520.8 | 520.1 | 519.4 | 518.7 | 517.9 | 518.7 |
| 5° | 520.0 | 519.9 | 519.7 | 519.5 | 519.3 | 518.8 | 517.9 | 517.0 | 516.0 | 515.1 | 515.9 |
| 7.5° | 515.3 | 515.1 | 515.0 | 514.8 | 514.6 | 514.0 | 513.0 | 511.9 | 511.0 | 510.0 | 510.8 |
| 10° | 511.0 | 510.9 | 510.7 | 510.5 | 510.3 | 509.7 | 508.7 | 507.7 | 506.7 | 505.7 | 506.4 |
| 12.5° | 505.8 | 505.4 | 505.1 | 504.8 | 504.4 | 503.8 | 502.8 | 501.9 | 501.0 | 500.1 | 500.6 |
| 15° | 495.8 | 495.5 | 495.3 | 495.0 | 494.6 | 494.0 | 493.0 | 492.0 | 491.0 | 490.0 | 490.4 |
| 17.5° | 484.3 | 483.9 | 483.5 | 483.1 | 482.7 | 482.0 | 480.9 | 479.9 | 478.8 | 477.8 | 478.4 |
| 20° | 474.7 | 474.6 | 474.4 | 474.2 | 474.0 | 473.3 | 472.2 | 470.9 | 469.8 | 468.6 | 469.2 |
| 22.5° | 465.2 | 464.8 | 464.5 | 464.2 | 463.9 | 463.2 | 462.0 | 460.9 | 459.8 | 458.7 | 459.1 |
| 25° | 450.0 | 449.6 | 449.1 | 448.6 | 448.2 | 447.4 | 446.2 | 445.0 | 443.8 | 442.6 | 442.8 |
| 27.5° | 432.3 | 432.0 | 431.8 | 431.5 | 431.2 | 430.4 | 429.3 | 428.0 | 426.8 | 425.5 | 425.6 |
| 30° | 420.8 | 420.5 | 420.2 | 419.9 | 419.6 | 418.8 | 417.5 | 416.1 | 414.7 | 413.3 | 413.1 |
| 32.5° | 408.2 | 407.8 | 407.4 | 407.0 | 406.5 | 405.7 | 404.5 | 403.2 | 402.1 | 400.8 | 400.5 |
| 35° | 388.6 | 388.3 | 387.9 | 387.5 | 387.2 | 386.3 | 385.0 | 383.8 | 382.5 | 381.2 | 380.8 |
| 37.5° | 368.3 | 367.8 | 367.4 | 366.8 | 366.4 | 365.6 | 364.4 | 363.2 | 361.9 | 360.8 | 360.1 |
| 40° | 354.5 | 353.9 | 353.5 | 353.0 | 352.6 | 351.7 | 350.4 | 349.2 | 347.9 | 346.6 | 345.8 |
| 42.5° | 339.6 | 339.2 | 338.9 | 338.4 | 338.0 | 337.2 | 335.9 | 334.7 | 333.3 | 332.1 | 331.4 |
| 45° | 318.2 | 317.8 | 317.4 | 317.1 | 316.6 | 315.9 | 314.9 | 313.8 | 312.6 | 311.6 | 310.5 |
| 47.5° | 295.1 | 295.1 | 295.1 | 295.2 | 295.2 | 294.5 | 293.2 | 291.9 | 290.5 | 289.2 | 288.1 |
| 50° | 280.3 | 280.0 | 279.7 | 279.4 | 279.1 | 278.5 | 277.3 | 276.3 | 275.2 | 274.0 | 272.9 |
| 52.5° | 265.1 | 264.8 | 264.7 | 264.5 | 264.3 | 263.6 | 262.4 | 261.3 | 260.0 | 258.9 | 257.9 |
| 55° | 242.3 | 242.0 | 241.7 | 241.5 | 241.2 | 240.4 | 239.2 | 237.9 | 236.6 | 235.3 | 234.5 |
| 57.5° | 218.4 | 218.2 | 218.0 | 217.9 | 217.8 | 217.1 | 216.1 | 215.0 | 213.9 | 212.9 | 211.8 |
| 60° | 203.1 | 202.8 | 202.4 | 202.1 | 201.7 | 201.0 | 200.0 | 199.0 | 198.0 | 197.0 | 196.1 |
| 62.5° | 187.3 | 187.1 | 186.7 | 186.5 | 186.2 | 185.6 | 184.8 | 183.9 | 183.0 | 182.2 | 181.2 |
| 65° | 163.6 | 163.5 | 163.3 | 163.1 | 162.9 | 162.3 | 161.3 | 160.2 | 159.3 | 158.3 | 157.4 |
| 67.5° | 140.6 | 140.3 | 139.8 | 139.5 | 139.1 | 138.5 | 137.8 | 137.0 | 136.3 | 135.5 | 134.8 |
| 70° | 126.1 | 125.6 | 125.2 | 124.8 | 124.3 | 123.6 | 122.8 | 122.0 | 121.2 | 120.4 | 119.8 |
| 72.5° | 110.3 | 109.9 | 109.7 | 109.3 | 109.1 | 108.6 | 108.1 | 107.5 | 107.0 | 106.5 | 105.8 |
| 75° | 86.9 | 86.8 | 86.6 | 86.4 | 86.2 | 85.9 | 85.4 | 85.0 | 84.5 | 84.1 | 83.8 |
| 77.5° | 65.5 | 65.4 | 65.3 | 65.2 | 65.2 | 65.0 | 64.7 | 64.5 | 64.2 | 63.9 | 63.8 |
| 80° | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.8 | 51.6 | 51.5 | 51.3 | 51.1 | 51.0 |
| 82.5° | 40.0 | 39.9 | 39.8 | 39.6 | 39.5 | 39.4 | 39.3 | 39.3 | 39.2 | 39.2 | 39.1 |
| 85° | 22.6 | 22.7 | 22.8 | 22.9 | 23.0 | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 | 23.0 |
| 87.5° | 9.2 | 9.6 | 10.2 | 10.6 | 11.1 | 11.5 | 11.9 | 12.2 | 12.5 | 12.8 | 13.2 |
| 90° | 1.3 | 3.7 | 6.2 | 8.5 | 10.9 | 13.1 | 15.2 | 17.3 | 19.4 | 21.5 | 23.0 |
| 92.5° | 20.7 | 19.0 | 17.3 | 15.7 | 14.0 | 14.1 | 16.0 | 17.7 | 19.6 | 21.5 | 23.0 |
| 95° | 76.5 | 75.6 | 74.7 | 73.8 | 72.9 | 66.8 | 55.5 | 44.1 | 32.8 | 21.5 | 23.0 |
| 97.5° | 159.7 | 161.3 | 162.9 | 164.6 | 166.2 | 155.8 | 133.3 | 110.9 | 88.5 | 66.1 | 57.6 |
| 100° | 224.2 | 225.1 | 226.0 | 226.9 | 227.7 | 228.8 | 230.0 | 231.2 | 232.4 | 233.5 | 189.1 |
| 102.5° | 289.7 | 290.8 | 291.9 | 293.1 | 294.2 | 295.2 | 295.9 | 296.6 | 297.3 | 298.0 | 289.6 |
| 105° | 394.7 | 395.8 | 397.1 | 398.2 | 399.4 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
| 107.5° | 503.6 | 503.6 | 503.6 | 503.6 | 503.6 | 503.9 | 504.5 | 505.2 | 505.8 | 506.3 | 506.4 |
| 110° | 574.5 | 574.5 | 574.5 | 574.5 | 574.5 | 574.8 | 575.4 | 576.0 | 576.6 | 577.2 | 576.3 |



TEST NUMBER: P333368-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 641.1 | 641.9 | 642.6 | 643.3 | 644.0 | 644.5 | 644.9 | 645.2 | 645.6 | 646.0 | 644.8 |
| 115° | 741.0 | 742.4 | 744.0 | 745.5 | 746.9 | 747.8 | 748.1 | 748.4 | 748.8 | 749.0 | 747.8 |
| 117.5° | 844.4 | 844.3 | 844.2 | 844.2 | 844.1 | 844.6 | 845.8 | 846.9 | 848.0 | 849.2 | 847.6 |
| 120° | 908.7 | 908.5 | 908.2 | 907.9 | 907.6 | 907.9 | 908.7 | 909.6 | 910.5 | 911.4 | 910.9 |
| 122.5° | 965.7 | 966.8 | 968.0 | 969.1 | 970.2 | 971.0 | 971.4 | 971.8 | 972.2 | 972.7 | 972.1 |
| 125° | 1053.7 | 1055.8 | 1057.9 | 1060.0 | 1062.1 | 1063.1 | 1063.1 | 1063.1 | 1063.1 | 1063.1 | 1061.9 |
| 127.5° | 1137.7 | 1139.2 | 1140.8 | 1142.3 | 1143.7 | 1144.4 | 1144.2 | 1144.1 | 1143.9 | 1143.7 | 1143.0 |
| 130° | 1189.3 | 1190.8 | 1192.3 | 1193.8 | 1195.2 | 1196.1 | 1196.5 | 1196.8 | 1197.0 | 1197.4 | 1196.5 |
| 132.5° | 1240.8 | 1242.6 | 1244.3 | 1246.1 | 1247.8 | 1248.3 | 1247.7 | 1247.0 | 1246.3 | 1245.7 | 1245.5 |
| 135° | 1314.1 | 1315.9 | 1317.8 | 1319.6 | 1321.3 | 1321.9 | 1321.3 | 1320.7 | 1320.1 | 1319.6 | 1318.9 |
| 137.5° | 1381.5 | 1383.0 | 1384.6 | 1386.2 | 1387.8 | 1388.2 | 1387.7 | 1387.1 | 1386.6 | 1386.1 | 1386.3 |
| 140° | 1425.6 | 1426.2 | 1426.7 | 1427.4 | 1428.0 | 1428.1 | 1427.8 | 1427.5 | 1427.2 | 1426.9 | 1427.5 |
| 142.5° | 1465.3 | 1465.6 | 1466.0 | 1466.3 | 1466.7 | 1467.1 | 1467.6 | 1467.9 | 1468.4 | 1468.8 | 1468.9 |
| 145° | 1523.6 | 1524.1 | 1524.7 | 1525.4 | 1526.0 | 1526.3 | 1526.3 | 1526.3 | 1526.3 | 1526.3 | 1526.5 |
| 147.5° | 1574.6 | 1574.4 | 1574.3 | 1574.2 | 1574.0 | 1574.2 | 1574.6 | 1574.9 | 1575.3 | 1575.7 | 1576.0 |
| 150° | 1606.8 | 1606.1 | 1605.6 | 1605.0 | 1604.4 | 1604.4 | 1605.0 | 1605.6 | 1606.1 | 1606.8 | 1607.4 |
| 152.5° | 1637.9 | 1636.6 | 1635.3 | 1634.0 | 1632.6 | 1632.3 | 1632.9 | 1633.5 | 1634.1 | 1634.7 | 1635.3 |
| 155° | 1677.9 | 1676.1 | 1674.4 | 1672.6 | 1670.8 | 1670.2 | 1670.8 | 1671.3 | 1672.0 | 1672.6 | 1673.5 |
| 157.5° | 1708.8 | 1707.7 | 1706.6 | 1705.6 | 1704.5 | 1704.0 | 1704.1 | 1704.1 | 1704.1 | 1704.2 | 1705.2 |
| 160° | 1730.3 | 1728.5 | 1726.7 | 1724.9 | 1723.1 | 1722.3 | 1722.7 | 1723.0 | 1723.2 | 1723.6 | 1724.7 |
| 162.5° | 1747.5 | 1745.7 | 1743.9 | 1742.0 | 1740.3 | 1739.5 | 1739.8 | 1740.2 | 1740.4 | 1740.7 | 1742.4 |
| 165° | 1770.6 | 1768.8 | 1766.9 | 1765.1 | 1763.4 | 1762.6 | 1762.9 | 1763.3 | 1763.5 | 1763.8 | 1765.6 |
| 167.5° | 1787.7 | 1785.9 | 1784.0 | 1782.2 | 1780.3 | 1779.6 | 1779.9 | 1780.1 | 1780.5 | 1780.7 | 1782.9 |
| 170° | 1797.4 | 1795.3 | 1793.2 | 1791.1 | 1789.0 | 1788.1 | 1788.4 | 1788.8 | 1789.0 | 1789.3 | 1791.7 |
| 172.5° | 1803.8 | 1801.8 | 1799.7 | 1797.6 | 1795.5 | 1794.7 | 1795.3 | 1795.8 | 1796.4 | 1796.9 | 1799.0 |
| 175° | 1810.8 | 1809.0 | 1807.2 | 1805.4 | 1803.7 | 1803.0 | 1803.2 | 1803.5 | 1803.8 | 1804.1 | 1806.5 |
| 177.5° | 1814.0 | 1812.6 | 1811.2 | 1809.7 | 1808.3 | 1807.7 | 1807.9 | 1808.2 | 1808.4 | 1808.7 | 1810.4 |
| 180° | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 |



TEST NUMBER: P333368-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 | 520.9 |
| 2.5° | 519.4 | 520.1 | 520.8 | 521.2 | 521.1 | 521.0 | 521.0 | 520.9 |
| 5° | 516.7 | 517.6 | 518.4 | 518.8 | 518.7 | 518.6 | 518.5 | 518.4 |
| 7.5° | 511.6 | 512.4 | 513.2 | 513.5 | 513.4 | 513.4 | 513.3 | 513.2 |
| 10° | 507.1 | 507.8 | 508.6 | 508.9 | 508.8 | 508.7 | 508.6 | 508.5 |
| 12.5° | 501.2 | 501.9 | 502.4 | 502.7 | 502.7 | 502.7 | 502.7 | 502.6 |
| 15° | 490.9 | 491.3 | 491.9 | 492.0 | 492.0 | 492.0 | 492.0 | 492.0 |
| 17.5° | 478.9 | 479.5 | 480.1 | 480.1 | 479.7 | 479.2 | 478.8 | 478.3 |
| 20° | 469.8 | 470.5 | 471.1 | 471.3 | 470.7 | 470.3 | 469.8 | 469.4 |
| 22.5° | 459.5 | 459.9 | 460.4 | 460.4 | 460.1 | 459.8 | 459.5 | 459.1 |
| 25° | 443.0 | 443.2 | 443.4 | 443.3 | 443.0 | 442.7 | 442.5 | 442.2 |
| 27.5° | 425.6 | 425.6 | 425.7 | 425.6 | 425.3 | 425.0 | 424.7 | 424.5 |
| 30° | 413.0 | 412.8 | 412.6 | 412.4 | 412.1 | 411.9 | 411.5 | 411.3 |
| 32.5° | 400.2 | 399.8 | 399.5 | 399.1 | 398.6 | 398.1 | 397.6 | 397.1 |
| 35° | 380.3 | 379.9 | 379.3 | 378.8 | 378.1 | 377.3 | 376.6 | 375.9 |
| 37.5° | 359.4 | 358.7 | 358.0 | 357.5 | 357.0 | 356.7 | 356.2 | 355.8 |
| 40° | 344.9 | 344.1 | 343.3 | 342.8 | 342.5 | 342.1 | 341.9 | 341.6 |
| 42.5° | 330.6 | 329.8 | 329.0 | 328.5 | 328.1 | 327.6 | 327.3 | 326.8 |
| 45° | 309.3 | 308.3 | 307.2 | 306.5 | 306.2 | 305.9 | 305.7 | 305.4 |
| 47.5° | 287.0 | 285.9 | 284.7 | 283.8 | 283.2 | 282.6 | 282.0 | 281.3 |
| 50° | 271.7 | 270.5 | 269.3 | 268.4 | 267.7 | 267.1 | 266.4 | 265.8 |
| 52.5° | 256.8 | 255.7 | 254.7 | 253.9 | 253.2 | 252.4 | 251.7 | 251.0 |
| 55° | 233.6 | 232.8 | 232.0 | 231.3 | 230.7 | 230.0 | 229.3 | 228.7 |
| 57.5° | 210.7 | 209.6 | 208.6 | 207.9 | 207.5 | 207.1 | 206.8 | 206.4 |
| 60° | 195.2 | 194.2 | 193.3 | 192.5 | 191.9 | 191.3 | 190.6 | 190.0 |
| 62.5° | 180.2 | 179.1 | 178.2 | 177.5 | 177.0 | 176.5 | 175.9 | 175.5 |
| 65° | 156.6 | 155.8 | 155.0 | 154.4 | 154.0 | 153.6 | 153.3 | 152.9 |
| 67.5° | 134.1 | 133.4 | 132.7 | 132.2 | 132.1 | 131.8 | 131.6 | 131.3 |
| 70° | 119.2 | 118.7 | 118.2 | 117.7 | 117.3 | 117.0 | 116.5 | 116.2 |
| 72.5° | 105.2 | 104.6 | 104.0 | 103.5 | 103.2 | 102.8 | 102.4 | 102.0 |
| 75° | 83.6 | 83.3 | 82.9 | 82.7 | 82.3 | 81.9 | 81.6 | 81.1 |
| 77.5° | 63.7 | 63.5 | 63.3 | 63.1 | 62.9 | 62.6 | 62.3 | 62.1 |
| 80° | 50.9 | 50.8 | 50.7 | 50.6 | 50.4 | 50.2 | 50.0 | 49.8 |
| 82.5° | 38.9 | 38.7 | 38.6 | 38.4 | 38.4 | 38.4 | 38.3 | 38.3 |
| 85° | 22.9 | 22.8 | 22.7 | 22.6 | 22.4 | 22.2 | 22.0 | 21.8 |
| 87.5° | 13.5 | 13.7 | 14.1 | 14.3 | 14.3 | 14.3 | 14.4 | 14.4 |
| 90° | 24.4 | 25.9 | 27.5 | 28.6 | 29.5 | 30.4 | 31.3 | 32.2 |
| 92.5° | 24.4 | 25.9 | 27.5 | 28.4 | 28.8 | 29.2 | 29.7 | 30.1 |
| 95° | 24.4 | 25.9 | 27.5 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 |
| 97.5° | 49.2 | 40.8 | 32.4 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 |
| 100° | 144.6 | 100.2 | 55.8 | 33.0 | 31.7 | 30.6 | 29.4 | 28.2 |
| 102.5° | 281.2 | 272.8 | 264.4 | 250.0 | 229.7 | 209.5 | 189.1 | 168.9 |
| 105° | 400.0 | 400.0 | 400.0 | 399.8 | 399.6 | 399.3 | 399.0 | 398.7 |
| 107.5° | 506.5 | 506.5 | 506.6 | 506.1 | 505.2 | 504.4 | 503.5 | 502.6 |
| 110° | 575.4 | 574.5 | 573.6 | 573.4 | 573.6 | 573.9 | 574.3 | 574.5 |



TEST NUMBER: P333368-940

CATALOG NUMBER: S125DIW-S375D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 643.6 | 642.6 | 641.4 | 640.6 | 640.2 | 639.8 | 639.4 | 638.9 |
| 115° | 746.6 | 745.5 | 744.2 | 742.8 | 741.0 | 739.1 | 737.4 | 735.6 |
| 117.5° | 846.1 | 844.5 | 842.9 | 841.8 | 841.1 | 840.3 | 839.5 | 838.7 |
| 120° | 910.3 | 909.6 | 909.1 | 908.0 | 906.5 | 905.0 | 903.6 | 902.1 |
| 122.5° | 971.4 | 970.9 | 970.3 | 969.1 | 967.4 | 965.6 | 963.9 | 962.2 |
| 125° | 1060.8 | 1059.5 | 1058.4 | 1057.3 | 1056.4 | 1055.5 | 1054.6 | 1053.7 |
| 127.5° | 1142.4 | 1141.7 | 1141.0 | 1139.6 | 1137.4 | 1135.2 | 1133.0 | 1130.8 |
| 130° | 1195.6 | 1194.7 | 1193.8 | 1192.6 | 1191.1 | 1189.6 | 1188.1 | 1186.6 |
| 132.5° | 1245.4 | 1245.2 | 1245.0 | 1244.1 | 1242.7 | 1241.2 | 1239.7 | 1238.1 |
| 135° | 1318.3 | 1317.8 | 1317.1 | 1315.9 | 1314.1 | 1312.3 | 1310.5 | 1308.8 |
| 137.5° | 1386.3 | 1386.4 | 1386.6 | 1385.9 | 1384.3 | 1382.8 | 1381.2 | 1379.7 |
| 140° | 1428.1 | 1428.7 | 1429.3 | 1428.7 | 1426.9 | 1425.1 | 1423.3 | 1421.6 |
| 142.5° | 1469.0 | 1469.2 | 1469.3 | 1468.5 | 1466.6 | 1464.8 | 1463.0 | 1461.2 |
| 145° | 1526.9 | 1527.1 | 1527.4 | 1526.7 | 1524.9 | 1523.1 | 1521.3 | 1519.6 |
| 147.5° | 1576.4 | 1576.7 | 1577.1 | 1576.2 | 1574.0 | 1571.9 | 1569.8 | 1567.6 |
| 150° | 1607.9 | 1608.6 | 1609.2 | 1608.3 | 1605.9 | 1603.5 | 1601.2 | 1598.7 |
| 152.5° | 1635.9 | 1636.5 | 1637.1 | 1636.3 | 1634.1 | 1632.0 | 1629.9 | 1627.7 |
| 155° | 1674.4 | 1675.3 | 1676.1 | 1675.3 | 1673.0 | 1670.6 | 1668.2 | 1665.8 |
| 157.5° | 1706.1 | 1707.1 | 1708.1 | 1707.4 | 1705.0 | 1702.5 | 1700.1 | 1697.8 |
| 160° | 1725.9 | 1727.2 | 1728.3 | 1727.8 | 1725.4 | 1723.0 | 1720.6 | 1718.2 |
| 162.5° | 1744.1 | 1745.8 | 1747.4 | 1747.0 | 1744.4 | 1741.7 | 1739.1 | 1736.4 |
| 165° | 1767.4 | 1769.2 | 1771.0 | 1770.7 | 1768.4 | 1765.9 | 1763.5 | 1761.1 |
| 167.5° | 1785.0 | 1787.2 | 1789.3 | 1789.0 | 1786.4 | 1783.7 | 1781.0 | 1778.3 |
| 170° | 1794.1 | 1796.5 | 1798.8 | 1798.8 | 1796.1 | 1793.4 | 1790.6 | 1788.0 |
| 172.5° | 1801.2 | 1803.3 | 1805.4 | 1805.2 | 1802.5 | 1799.8 | 1797.2 | 1794.5 |
| 175° | 1808.8 | 1811.2 | 1813.7 | 1813.5 | 1810.8 | 1808.1 | 1805.4 | 1802.8 |
| 177.5° | 1812.0 | 1813.7 | 1815.3 | 1815.3 | 1813.3 | 1811.4 | 1809.5 | 1807.6 |
| 180° | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 |

(END OF REPORT)