

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: P333282-840

Luminaire Tested: **S125DIP-S1090D1035U840-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333282-840
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-S1090D1035U840-4F0-1E-UDD-D4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8059.5 lumens
Efficiency: N/A
Efficacy: 133.2 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: General Diffuse

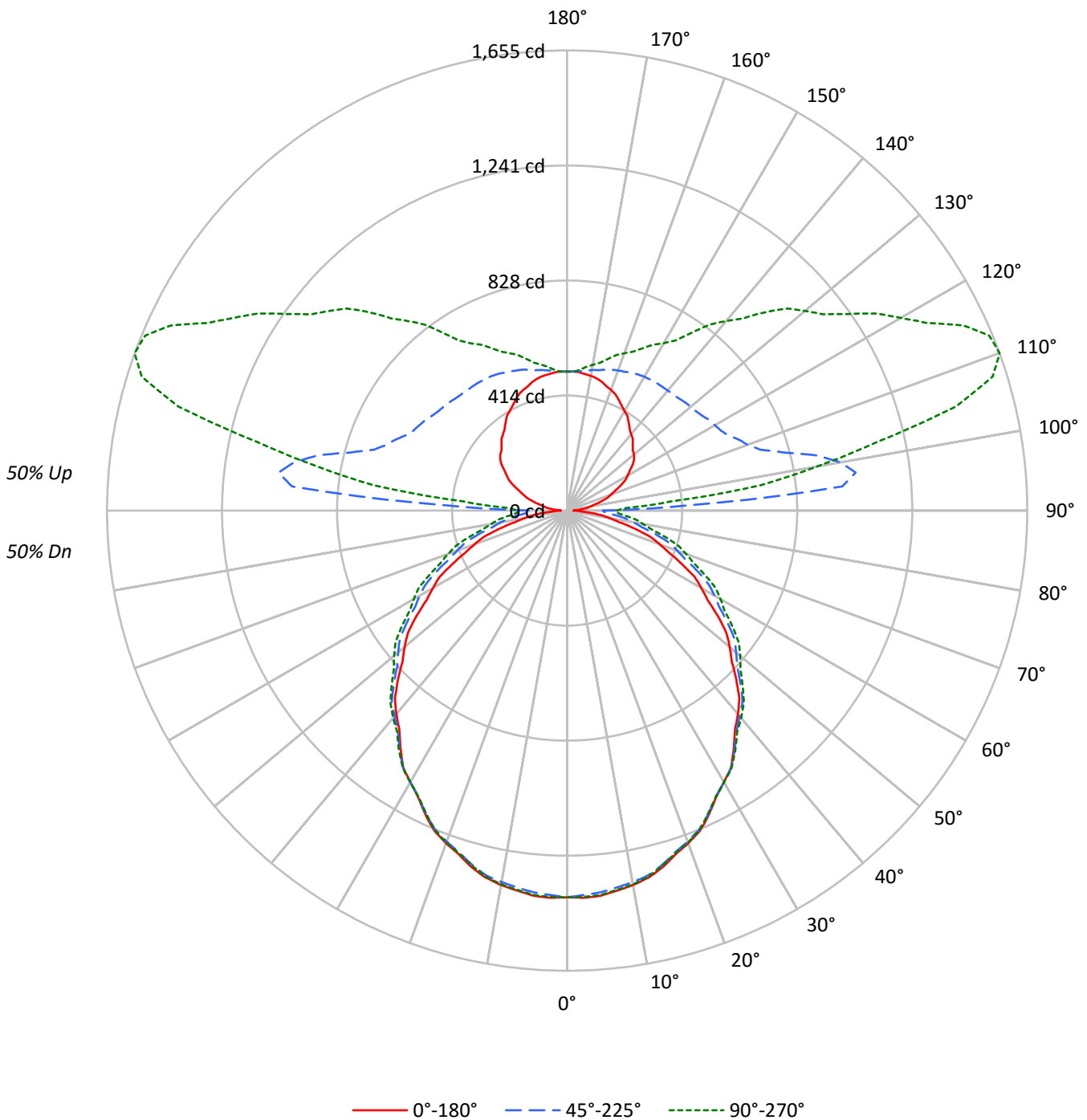
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333282-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P333282-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1 | 97 | 92 | 88 | 84 | 89 | 85 | 82 | 78 | 72 | 69 | 67 | 60 | 58 | 56 | 49 | 47 | 46 | 41 |
| 2 | 88 | 80 | 74 | 68 | 81 | 74 | 69 | 64 | 63 | 58 | 55 | 52 | 49 | 46 | 42 | 40 | 38 | 34 |
| 3 | 80 | 70 | 63 | 57 | 74 | 65 | 58 | 53 | 55 | 50 | 46 | 46 | 42 | 39 | 37 | 35 | 32 | 28 |
| 4 | 73 | 62 | 54 | 48 | 67 | 57 | 50 | 45 | 49 | 43 | 39 | 41 | 36 | 33 | 33 | 30 | 28 | 24 |
| 5 | 67 | 55 | 47 | 41 | 62 | 51 | 44 | 38 | 44 | 38 | 33 | 36 | 32 | 29 | 30 | 27 | 24 | 21 |
| 6 | 62 | 49 | 41 | 35 | 57 | 46 | 38 | 33 | 39 | 33 | 29 | 33 | 28 | 25 | 27 | 24 | 21 | 18 |
| 7 | 57 | 45 | 36 | 31 | 52 | 41 | 34 | 29 | 35 | 30 | 25 | 30 | 25 | 22 | 25 | 21 | 19 | 16 |
| 8 | 53 | 40 | 33 | 27 | 49 | 38 | 31 | 26 | 32 | 27 | 23 | 27 | 23 | 20 | 23 | 19 | 17 | 14 |
| 9 | 49 | 37 | 29 | 24 | 45 | 34 | 27 | 23 | 30 | 24 | 20 | 25 | 21 | 18 | 21 | 17 | 15 | 13 |
| 10 | 46 | 34 | 26 | 22 | 42 | 32 | 25 | 20 | 27 | 22 | 18 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8981 | 8981 | 8981 |
| 5° | 8999 | 8815 | 8843 |
| 10° | 8935 | 8658 | 8644 |
| 15° | 8829 | 8469 | 8392 |
| 20° | 8685 | 8236 | 8140 |
| 25° | 8515 | 7987 | 7828 |
| 30° | 8308 | 7712 | 7547 |
| 35° | 8115 | 7461 | 7288 |
| 40° | 7918 | 7195 | 7027 |
| 45° | 7696 | 6968 | 6796 |
| 50° | 7485 | 6722 | 6592 |
| 55° | 7230 | 6489 | 6352 |
| 60° | 6950 | 6223 | 6107 |
| 65° | 6660 | 5946 | 5832 |
| 70° | 6332 | 5566 | 5549 |
| 75° | 5809 | 5201 | 5201 |
| 80° | 5122 | 4760 | 4822 |
| 85° | 4483 | 4460 | 4702 |



TEST NUMBER: P333282-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 131.5 | 1.6 |
| 10°-20° | 373.3 | 4.6 |
| 20°-30° | 555.1 | 6.9 |
| 30°-40° | 657.5 | 8.2 |
| 40°-50° | 679.8 | 8.4 |
| 50°-60° | 626.3 | 7.8 |
| 60°-70° | 506.2 | 6.3 |
| 70°-80° | 339.0 | 4.2 |
| 80°-90° | 178.6 | 2.2 |
| 90°-100° | 461.1 | 5.7 |
| 100°-110° | 851.9 | 10.6 |
| 110°-120° | 780.0 | 9.7 |
| 120°-130° | 620.3 | 7.7 |
| 130°-140° | 487.7 | 6.1 |
| 140°-150° | 361.3 | 4.5 |
| 150°-160° | 252.6 | 3.1 |
| 160°-170° | 148.9 | 1.8 |
| 170°-180° | 48.4 | 0.6 |
| 0°-30° | 1059.9 | 13.2 |
| 0°-40° | 1717.4 | 21.3 |
| 0°-60° | 3023.5 | 37.5 |
| 0°-90° | 4047.3 | 50.2 |
| 90°-120° | 2093.0 | 26.0 |
| 90°-150° | 3562.2 | 44.2 |
| 90°-180° | 4012.0 | 49.8 |
| 0°-180° | 8059.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1391 | 1391 | 1391 | 1391 | 1391 | |
| 5° | 1391 | 1387 | 1378 | 1389 | 1388 | 132 |
| 15° | 1328 | 1329 | 1320 | 1327 | 1322 | 374 |
| 25° | 1206 | 1210 | 1202 | 1207 | 1201 | 555 |
| 35° | 1044 | 1053 | 1050 | 1054 | 1054 | 653 |
| 45° | 860 | 875 | 882 | 891 | 893 | 664 |
| 55° | 661 | 683 | 705 | 719 | 725 | 591 |
| 65° | 455 | 487 | 519 | 539 | 545 | 452 |
| 75° | 251 | 287 | 330 | 356 | 364 | 266 |
| 85° | 75 | 120 | 168 | 197 | 208 | 80 |
| 90° | 23 | 75 | 128 | 163 | 176 | 16 |
| 95° | 51 | 152 | 993 | 534 | 376 | 49 |
| 105° | 126 | 194 | 806 | 1540 | 1448 | 133 |
| 115° | 212 | 265 | 640 | 1342 | 1574 | 208 |
| 125° | 288 | 336 | 594 | 1058 | 1232 | 255 |
| 135° | 333 | 400 | 569 | 871 | 1009 | 259 |
| 145° | 386 | 441 | 560 | 705 | 780 | 242 |
| 155° | 440 | 473 | 546 | 618 | 644 | 202 |
| 165° | 480 | 493 | 524 | 556 | 564 | 135 |
| 175° | 499 | 499 | 503 | 509 | 507 | 47 |
| 180° | 500 | 500 | 500 | 500 | 500 | |



TEST NUMBER: P333282-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 |
| 2.5° | 1393.8 | 1393.3 | 1392.8 | 1392.4 | 1391.9 | 1390.8 | 1389.1 | 1387.4 | 1385.7 | 1384.0 | 1385.7 |
| 5° | 1390.6 | 1390.0 | 1389.4 | 1388.8 | 1388.2 | 1386.7 | 1384.6 | 1382.5 | 1380.4 | 1378.3 | 1380.7 |
| 7.5° | 1378.3 | 1378.1 | 1377.8 | 1377.6 | 1377.4 | 1376.1 | 1373.9 | 1371.7 | 1369.6 | 1367.4 | 1369.5 |
| 10° | 1367.4 | 1367.4 | 1367.4 | 1367.4 | 1367.4 | 1366.1 | 1363.7 | 1361.3 | 1358.9 | 1356.5 | 1358.6 |
| 12.5° | 1352.1 | 1352.3 | 1352.6 | 1352.8 | 1353.1 | 1352.2 | 1350.3 | 1348.4 | 1346.5 | 1344.4 | 1346.2 |
| 15° | 1327.9 | 1328.2 | 1328.5 | 1328.8 | 1329.1 | 1328.2 | 1326.1 | 1323.9 | 1321.8 | 1319.7 | 1321.5 |
| 17.5° | 1296.2 | 1296.8 | 1297.4 | 1298.0 | 1298.6 | 1297.9 | 1295.8 | 1293.6 | 1291.5 | 1289.4 | 1290.8 |
| 20° | 1273.3 | 1273.9 | 1274.6 | 1275.2 | 1275.8 | 1275.0 | 1272.8 | 1270.7 | 1268.6 | 1266.5 | 1267.4 |
| 22.5° | 1247.1 | 1248.2 | 1249.3 | 1250.4 | 1251.5 | 1250.8 | 1248.5 | 1246.2 | 1243.7 | 1241.4 | 1242.5 |
| 25° | 1206.5 | 1207.4 | 1208.3 | 1209.2 | 1210.1 | 1209.7 | 1207.9 | 1206.1 | 1204.3 | 1202.4 | 1203.7 |
| 27.5° | 1161.2 | 1162.6 | 1163.9 | 1165.3 | 1166.6 | 1166.2 | 1164.2 | 1162.1 | 1160.0 | 1158.0 | 1158.8 |
| 30° | 1127.4 | 1129.2 | 1131.0 | 1132.9 | 1134.7 | 1134.7 | 1132.9 | 1131.0 | 1129.2 | 1127.4 | 1128.0 |
| 32.5° | 1096.9 | 1098.4 | 1100.0 | 1101.7 | 1103.2 | 1103.3 | 1102.0 | 1100.7 | 1099.3 | 1098.0 | 1098.6 |
| 35° | 1044.3 | 1046.4 | 1048.5 | 1050.7 | 1052.8 | 1053.4 | 1052.5 | 1051.6 | 1050.7 | 1049.8 | 1050.7 |
| 37.5° | 991.7 | 993.6 | 995.5 | 997.4 | 999.4 | 1000.3 | 1000.0 | 999.7 | 999.4 | 999.1 | 1000.3 |
| 40° | 955.6 | 958.1 | 960.5 | 962.9 | 965.3 | 966.4 | 966.1 | 965.8 | 965.5 | 965.2 | 966.4 |
| 42.5° | 916.4 | 919.6 | 922.7 | 925.8 | 929.0 | 930.9 | 931.6 | 932.2 | 932.9 | 933.6 | 935.0 |
| 45° | 860.2 | 863.5 | 866.9 | 870.2 | 873.5 | 876.0 | 877.5 | 879.0 | 880.5 | 882.0 | 884.1 |
| 47.5° | 802.7 | 805.8 | 808.9 | 811.9 | 815.1 | 817.9 | 820.5 | 823.1 | 825.8 | 828.3 | 831.4 |
| 50° | 763.5 | 766.8 | 770.1 | 773.5 | 776.8 | 780.1 | 783.5 | 786.8 | 790.1 | 793.5 | 796.8 |
| 52.5° | 722.0 | 726.1 | 730.1 | 734.2 | 738.2 | 742.3 | 746.4 | 750.4 | 754.5 | 758.5 | 762.1 |
| 55° | 661.2 | 666.0 | 670.9 | 675.7 | 680.5 | 685.4 | 690.2 | 695.1 | 699.9 | 704.8 | 708.1 |
| 57.5° | 599.1 | 604.8 | 610.7 | 616.5 | 622.3 | 628.0 | 633.6 | 639.1 | 644.7 | 650.3 | 654.1 |
| 60° | 557.5 | 563.6 | 569.7 | 575.7 | 581.8 | 587.8 | 593.9 | 600.0 | 606.0 | 612.1 | 616.6 |
| 62.5° | 517.3 | 523.3 | 529.4 | 535.4 | 541.5 | 547.8 | 554.3 | 560.9 | 567.4 | 573.9 | 579.0 |
| 65° | 455.3 | 462.3 | 469.3 | 476.3 | 483.2 | 490.3 | 497.6 | 504.8 | 512.1 | 519.4 | 523.9 |
| 67.5° | 397.0 | 403.7 | 410.4 | 417.2 | 423.8 | 430.9 | 438.4 | 445.8 | 453.1 | 460.5 | 466.1 |
| 70° | 354.5 | 361.4 | 368.4 | 375.4 | 382.3 | 389.7 | 397.6 | 405.5 | 413.3 | 421.2 | 427.0 |
| 72.5° | 313.1 | 320.2 | 327.4 | 334.7 | 341.8 | 349.7 | 358.4 | 367.0 | 375.6 | 384.2 | 390.4 |
| 75° | 250.9 | 258.7 | 266.6 | 274.5 | 282.4 | 291.1 | 300.8 | 310.5 | 320.2 | 329.9 | 336.0 |
| 77.5° | 191.2 | 200.3 | 209.3 | 218.4 | 227.5 | 236.7 | 246.0 | 255.4 | 264.7 | 274.0 | 280.6 |
| 80° | 154.0 | 163.1 | 172.2 | 181.3 | 190.4 | 200.1 | 210.4 | 220.7 | 231.0 | 241.3 | 247.9 |
| 82.5° | 120.3 | 129.8 | 139.4 | 149.0 | 158.5 | 168.5 | 179.2 | 189.7 | 200.3 | 210.8 | 217.2 |
| 85° | 74.9 | 84.9 | 94.9 | 104.9 | 114.9 | 125.2 | 135.8 | 146.4 | 157.0 | 167.6 | 174.3 |
| 87.5° | 42.7 | 52.6 | 62.7 | 72.8 | 82.9 | 93.3 | 103.8 | 114.5 | 125.0 | 135.7 | 142.9 |
| 90° | 22.8 | 33.5 | 45.2 | 57.0 | 68.7 | 80.7 | 92.0 | 104.3 | 115.6 | 127.9 | 135.9 |
| 92.5° | 31.9 | 43.5 | 61.0 | 82.4 | 108.8 | 147.9 | 213.5 | 316.4 | 427.2 | 432.4 | 377.3 |
| 95° | 51.0 | 59.9 | 75.8 | 94.8 | 124.8 | 179.3 | 297.5 | 529.6 | 818.1 | 992.7 | 980.3 |
| 97.5° | 71.3 | 79.7 | 92.4 | 110.6 | 137.5 | 178.7 | 260.0 | 432.5 | 733.6 | 1046.6 | 1205.0 |
| 100° | 85.5 | 93.9 | 104.3 | 121.8 | 147.3 | 185.6 | 253.8 | 394.5 | 658.2 | 997.5 | 1256.0 |
| 102.5° | 101.4 | 108.5 | 117.6 | 135.4 | 158.8 | 195.9 | 257.4 | 376.9 | 600.9 | 916.6 | 1217.5 |
| 105° | 126.2 | 131.1 | 140.9 | 155.8 | 176.8 | 212.1 | 265.5 | 364.3 | 541.7 | 805.9 | 1101.3 |
| 107.5° | 150.4 | 156.5 | 165.4 | 177.8 | 198.7 | 230.6 | 282.2 | 367.7 | 513.8 | 728.5 | 984.2 |
| 110° | 167.8 | 173.5 | 181.2 | 193.9 | 212.6 | 244.9 | 294.7 | 372.7 | 503.2 | 691.2 | 916.7 |



TEST NUMBER: P333282-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 186.3 | 191.3 | 197.4 | 209.4 | 227.4 | 258.4 | 306.4 | 380.1 | 499.1 | 667.4 | 865.3 |
| 115° | 211.9 | 215.9 | 221.1 | 232.3 | 249.5 | 279.7 | 324.9 | 391.2 | 495.9 | 639.9 | 807.7 |
| 117.5° | 234.7 | 239.0 | 243.7 | 254.2 | 272.7 | 301.5 | 344.3 | 405.0 | 496.4 | 623.1 | 770.3 |
| 120° | 250.7 | 254.7 | 259.6 | 269.6 | 287.7 | 316.8 | 359.1 | 414.4 | 499.1 | 613.9 | 749.0 |
| 122.5° | 266.6 | 269.2 | 273.0 | 282.5 | 301.5 | 330.3 | 372.3 | 425.1 | 500.6 | 605.5 | 729.9 |
| 125° | 287.7 | 289.4 | 294.2 | 303.0 | 321.8 | 350.9 | 390.2 | 439.6 | 504.1 | 593.9 | 703.6 |
| 127.5° | 303.1 | 305.8 | 311.9 | 323.2 | 343.3 | 371.7 | 408.8 | 453.6 | 509.7 | 585.2 | 678.8 |
| 130° | 313.6 | 316.3 | 324.1 | 336.9 | 357.7 | 385.9 | 421.4 | 463.9 | 513.6 | 580.3 | 663.2 |
| 132.5° | 320.5 | 324.4 | 334.0 | 348.6 | 370.5 | 398.3 | 432.8 | 472.0 | 517.5 | 575.9 | 649.1 |
| 135° | 333.4 | 337.1 | 348.9 | 364.8 | 385.6 | 413.7 | 447.1 | 482.5 | 521.9 | 569.4 | 630.8 |
| 137.5° | 349.6 | 352.4 | 363.5 | 379.4 | 399.9 | 428.3 | 457.8 | 490.7 | 527.1 | 565.7 | 615.2 |
| 140° | 358.2 | 361.2 | 373.3 | 389.5 | 408.7 | 436.1 | 465.5 | 496.1 | 528.7 | 563.2 | 606.9 |
| 142.5° | 369.5 | 371.5 | 382.5 | 398.4 | 416.6 | 442.0 | 469.8 | 498.5 | 529.2 | 561.9 | 600.2 |
| 145° | 386.5 | 388.2 | 398.0 | 411.7 | 429.6 | 452.6 | 478.9 | 504.0 | 531.3 | 560.5 | 592.3 |
| 147.5° | 402.8 | 404.0 | 412.7 | 425.9 | 441.5 | 461.9 | 484.9 | 507.7 | 532.3 | 557.8 | 585.0 |
| 150° | 413.3 | 415.4 | 422.4 | 435.6 | 449.6 | 466.8 | 489.0 | 510.1 | 532.3 | 555.4 | 579.7 |
| 152.5° | 424.6 | 425.9 | 432.1 | 443.5 | 456.9 | 472.4 | 493.0 | 511.7 | 531.5 | 552.3 | 574.0 |
| 155° | 439.5 | 439.5 | 445.6 | 455.7 | 465.7 | 479.9 | 497.0 | 513.1 | 529.3 | 546.4 | 564.5 |
| 157.5° | 452.8 | 452.6 | 457.5 | 466.2 | 475.0 | 485.7 | 500.4 | 514.1 | 526.6 | 540.4 | 555.6 |
| 160° | 461.7 | 460.7 | 464.7 | 471.8 | 479.9 | 489.0 | 502.0 | 514.1 | 524.2 | 536.3 | 548.5 |
| 162.5° | 469.0 | 468.0 | 472.0 | 478.3 | 484.7 | 492.2 | 503.6 | 513.3 | 521.8 | 531.5 | 542.0 |
| 165° | 479.9 | 477.9 | 480.9 | 485.9 | 490.0 | 496.0 | 504.0 | 512.1 | 518.2 | 524.2 | 532.3 |
| 167.5° | 487.2 | 486.1 | 488.0 | 490.8 | 493.6 | 497.4 | 504.0 | 509.7 | 512.5 | 517.2 | 522.8 |
| 170° | 492.0 | 491.0 | 492.0 | 494.0 | 496.0 | 499.0 | 504.0 | 508.1 | 510.1 | 513.1 | 517.2 |
| 172.5° | 495.2 | 493.4 | 494.4 | 496.3 | 497.6 | 499.0 | 503.2 | 506.4 | 506.9 | 508.3 | 511.5 |
| 175° | 499.0 | 497.0 | 498.0 | 499.0 | 499.0 | 499.0 | 502.0 | 504.0 | 503.0 | 503.0 | 504.0 |
| 177.5° | 500.8 | 499.2 | 499.2 | 500.0 | 499.2 | 499.2 | 500.8 | 501.6 | 500.0 | 500.0 | 500.8 |
| 180° | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 |



TEST NUMBER: P333282-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 | 1390.6 |
| 2.5° | 1387.4 | 1389.1 | 1390.8 | 1391.5 | 1391.3 | 1391.0 | 1390.8 | 1390.6 |
| 5° | 1383.1 | 1385.5 | 1388.0 | 1389.1 | 1388.8 | 1388.5 | 1388.2 | 1387.9 |
| 7.5° | 1371.6 | 1373.7 | 1375.8 | 1376.7 | 1376.4 | 1376.1 | 1375.8 | 1375.5 |
| 10° | 1360.7 | 1362.8 | 1364.9 | 1365.8 | 1365.5 | 1365.2 | 1364.9 | 1364.6 |
| 12.5° | 1347.8 | 1349.4 | 1351.0 | 1351.4 | 1350.7 | 1349.9 | 1349.1 | 1348.3 |
| 15° | 1323.3 | 1325.1 | 1327.0 | 1327.3 | 1326.1 | 1324.8 | 1323.6 | 1322.4 |
| 17.5° | 1292.2 | 1293.5 | 1294.9 | 1295.3 | 1294.5 | 1293.8 | 1293.1 | 1292.4 |
| 20° | 1268.3 | 1269.2 | 1270.1 | 1270.6 | 1270.6 | 1270.6 | 1270.6 | 1270.6 |
| 22.5° | 1243.7 | 1244.9 | 1246.0 | 1246.2 | 1245.5 | 1244.8 | 1244.1 | 1243.3 |
| 25° | 1204.9 | 1206.1 | 1207.3 | 1207.1 | 1205.6 | 1204.1 | 1202.5 | 1201.0 |
| 27.5° | 1159.6 | 1160.5 | 1161.3 | 1161.5 | 1160.9 | 1160.4 | 1159.8 | 1159.3 |
| 30° | 1128.6 | 1129.2 | 1129.8 | 1130.0 | 1129.7 | 1129.4 | 1129.1 | 1128.8 |
| 32.5° | 1099.2 | 1099.8 | 1100.4 | 1100.6 | 1100.2 | 1099.9 | 1099.6 | 1099.3 |
| 35° | 1051.6 | 1052.5 | 1053.4 | 1053.8 | 1053.8 | 1053.8 | 1053.8 | 1053.8 |
| 37.5° | 1001.5 | 1002.7 | 1003.9 | 1004.4 | 1004.3 | 1004.2 | 1004.0 | 1003.9 |
| 40° | 967.7 | 968.9 | 970.1 | 971.0 | 971.6 | 972.2 | 972.8 | 973.4 |
| 42.5° | 936.4 | 938.0 | 939.4 | 940.2 | 940.3 | 940.4 | 940.6 | 940.7 |
| 45° | 886.3 | 888.4 | 890.5 | 891.7 | 892.0 | 892.3 | 892.6 | 892.9 |
| 47.5° | 834.6 | 837.6 | 840.7 | 842.5 | 843.2 | 843.9 | 844.6 | 845.3 |
| 50° | 800.1 | 803.4 | 806.8 | 808.9 | 809.8 | 810.7 | 811.6 | 812.5 |
| 52.5° | 765.7 | 769.2 | 772.8 | 775.0 | 775.6 | 776.3 | 777.0 | 777.6 |
| 55° | 711.4 | 714.8 | 718.1 | 720.4 | 721.6 | 722.9 | 724.1 | 725.3 |
| 57.5° | 657.9 | 661.8 | 665.6 | 667.9 | 668.8 | 669.7 | 670.7 | 671.6 |
| 60° | 621.2 | 625.7 | 630.3 | 633.0 | 633.9 | 634.8 | 635.7 | 636.6 |
| 62.5° | 584.0 | 589.1 | 594.1 | 597.1 | 598.3 | 599.5 | 600.6 | 601.8 |
| 65° | 528.5 | 533.0 | 537.6 | 540.5 | 541.7 | 542.9 | 544.1 | 545.3 |
| 67.5° | 471.5 | 477.1 | 482.6 | 486.1 | 487.7 | 489.3 | 490.8 | 492.4 |
| 70° | 432.7 | 438.5 | 444.2 | 448.1 | 449.9 | 451.7 | 453.5 | 455.3 |
| 72.5° | 396.7 | 402.9 | 409.1 | 412.9 | 414.2 | 415.6 | 416.9 | 418.3 |
| 75° | 342.0 | 348.1 | 354.2 | 357.9 | 359.4 | 360.9 | 362.4 | 364.0 |
| 77.5° | 287.3 | 294.0 | 300.6 | 304.6 | 305.8 | 307.0 | 308.2 | 309.4 |
| 80° | 254.6 | 261.3 | 267.9 | 271.9 | 273.1 | 274.3 | 275.5 | 276.7 |
| 82.5° | 223.6 | 230.0 | 236.4 | 240.8 | 243.0 | 245.1 | 247.3 | 249.4 |
| 85° | 181.0 | 187.6 | 194.3 | 198.8 | 201.3 | 203.7 | 206.1 | 208.5 |
| 87.5° | 150.1 | 157.2 | 164.4 | 169.4 | 171.5 | 173.6 | 175.9 | 178.0 |
| 90° | 143.9 | 151.9 | 159.9 | 166.4 | 168.5 | 170.7 | 173.8 | 175.9 |
| 92.5° | 299.5 | 257.2 | 231.9 | 221.5 | 210.7 | 210.4 | 211.1 | 211.6 |
| 95° | 837.7 | 691.2 | 573.8 | 493.5 | 424.0 | 395.9 | 390.0 | 376.0 |
| 97.5° | 1184.9 | 1083.8 | 969.4 | 855.9 | 795.7 | 741.2 | 714.1 | 703.2 |
| 100° | 1340.0 | 1297.0 | 1199.4 | 1098.7 | 1031.0 | 960.2 | 924.7 | 910.4 |
| 102.5° | 1389.2 | 1425.7 | 1382.0 | 1315.0 | 1242.4 | 1192.7 | 1154.0 | 1143.7 |
| 105° | 1349.3 | 1493.4 | 1543.9 | 1536.8 | 1506.7 | 1475.6 | 1457.5 | 1447.5 |
| 107.5° | 1228.9 | 1419.2 | 1539.0 | 1595.7 | 1613.9 | 1615.6 | 1610.7 | 1604.6 |
| 110° | 1140.1 | 1337.5 | 1485.4 | 1575.0 | 1622.4 | 1643.8 | 1652.9 | 1655.1 |



TEST NUMBER: P333282-840

CATALOG NUMBER: S125DIP-S1090D1035U840-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1069.1 | 1256.6 | 1405.8 | 1510.7 | 1579.1 | 1614.1 | 1633.8 | 1643.2 |
| 115° | 979.5 | 1141.1 | 1284.8 | 1398.3 | 1478.7 | 1528.9 | 1558.9 | 1573.9 |
| 117.5° | 918.7 | 1058.5 | 1182.7 | 1287.1 | 1367.8 | 1419.8 | 1449.9 | 1460.0 |
| 120° | 885.2 | 1011.4 | 1127.4 | 1219.6 | 1296.1 | 1346.3 | 1375.3 | 1385.2 |
| 122.5° | 858.7 | 975.6 | 1079.3 | 1165.8 | 1234.2 | 1280.3 | 1309.4 | 1318.5 |
| 125° | 820.3 | 928.0 | 1020.6 | 1096.3 | 1154.3 | 1197.1 | 1220.8 | 1232.4 |
| 127.5° | 781.0 | 881.5 | 967.9 | 1038.9 | 1091.9 | 1130.1 | 1152.9 | 1159.1 |
| 130° | 757.2 | 850.1 | 933.0 | 1001.4 | 1053.3 | 1088.1 | 1109.7 | 1117.3 |
| 132.5° | 732.7 | 819.9 | 895.5 | 961.4 | 1013.1 | 1047.6 | 1067.4 | 1075.6 |
| 135° | 699.2 | 772.7 | 841.2 | 901.4 | 947.3 | 982.1 | 1001.7 | 1009.3 |
| 137.5° | 671.5 | 731.2 | 788.5 | 839.7 | 880.6 | 912.1 | 930.0 | 937.9 |
| 140° | 655.6 | 706.3 | 756.0 | 800.6 | 839.1 | 866.6 | 882.9 | 889.2 |
| 142.5° | 642.0 | 684.9 | 727.7 | 766.4 | 799.3 | 822.6 | 838.2 | 843.6 |
| 145° | 625.0 | 657.8 | 690.5 | 719.1 | 744.6 | 763.0 | 775.2 | 780.4 |
| 147.5° | 610.1 | 636.0 | 660.5 | 681.6 | 701.3 | 715.5 | 722.5 | 724.9 |
| 150° | 601.9 | 624.0 | 643.2 | 661.5 | 676.9 | 689.3 | 693.7 | 695.0 |
| 152.5° | 593.8 | 613.5 | 631.1 | 645.2 | 658.0 | 667.7 | 671.9 | 672.9 |
| 155° | 581.7 | 597.8 | 612.0 | 623.0 | 633.1 | 640.2 | 643.2 | 644.2 |
| 157.5° | 569.6 | 582.9 | 593.8 | 602.5 | 610.4 | 616.1 | 618.9 | 618.7 |
| 160° | 561.5 | 571.6 | 581.7 | 588.8 | 595.8 | 600.9 | 602.9 | 601.9 |
| 162.5° | 552.7 | 561.9 | 570.4 | 576.6 | 582.1 | 586.3 | 586.7 | 586.5 |
| 165° | 540.4 | 547.4 | 553.5 | 558.5 | 562.5 | 564.5 | 564.5 | 564.5 |
| 167.5° | 528.7 | 533.3 | 538.0 | 541.6 | 543.6 | 545.4 | 544.6 | 544.4 |
| 170° | 522.2 | 525.2 | 528.3 | 530.3 | 532.3 | 533.3 | 533.3 | 532.3 |
| 172.5° | 514.9 | 518.0 | 520.2 | 521.4 | 521.8 | 523.6 | 522.0 | 521.0 |
| 175° | 507.1 | 507.1 | 509.1 | 509.1 | 509.1 | 510.1 | 508.1 | 507.1 |
| 177.5° | 501.6 | 502.4 | 502.4 | 502.4 | 501.6 | 502.4 | 500.0 | 500.0 |
| 180° | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 | 500.0 |

(END OF REPORT)