

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: P333336-830

Luminaire Tested: **S125DIP-S1270D1205U830-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333336-830  
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-S1270D1205U830-4F0-1E-UDD-D4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8719.3 lumens  
Efficiency: N/A  
Efficacy: 121.6 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

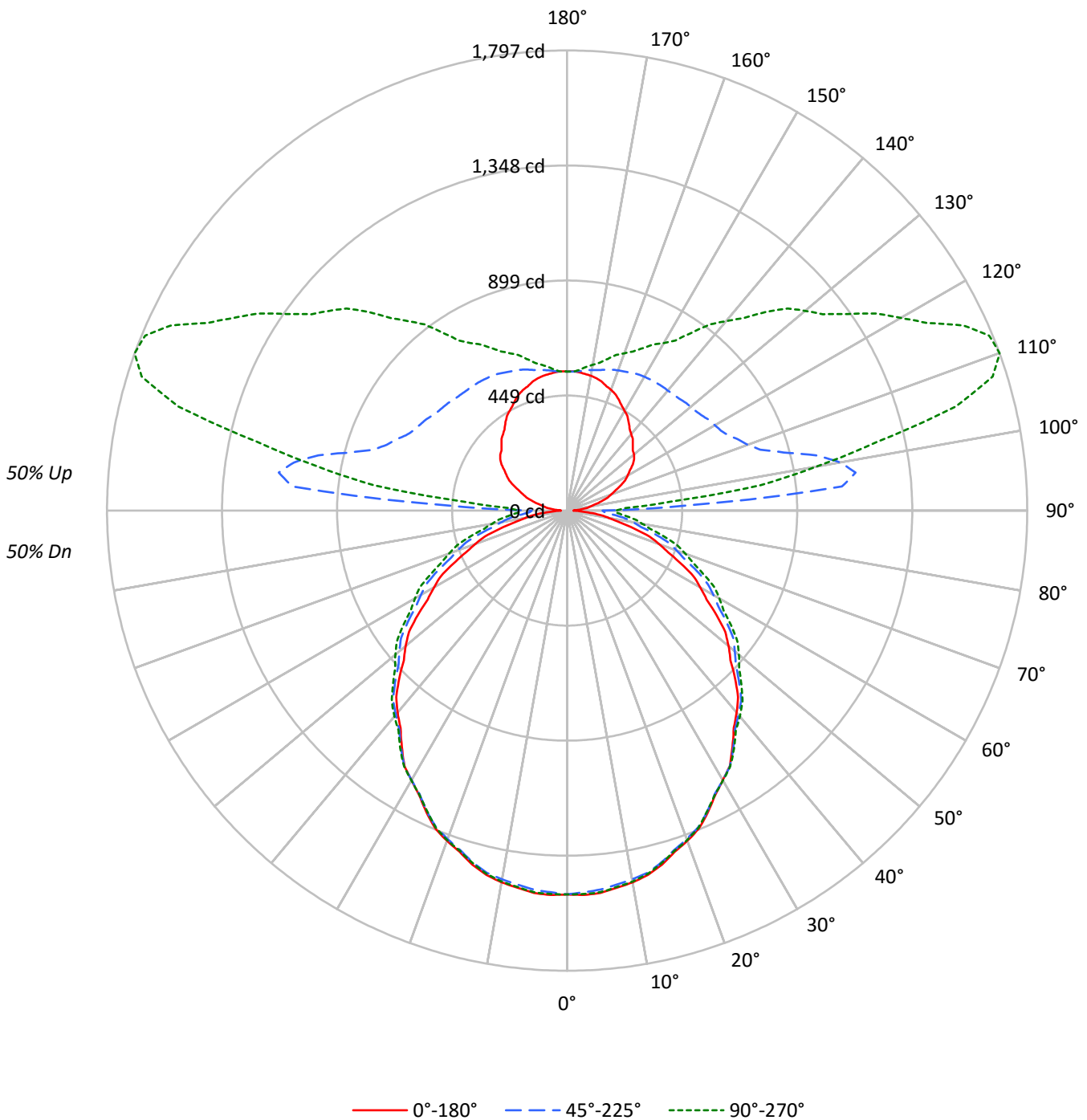
Input Watts (W): 71.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333336-830

CATALOG NUMBER: S125DIP-S1270D1205U830-4F0-1E-UDD-D4

### Luminous Intensity Polar Plot





TEST NUMBER: P333336-830

CATALOG NUMBER: S125DIP-S1270D1205U830-4F0-1E-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 | 48 | 47 | 46 | 41 |
| 2   | 88  | 80  | 74  | 68  | 81 | 74 | 69 | 64 | 63 | 58 | 55 | 52 | 49 | 46 | 42 | 40 | 38 | 33 |
| 3   | 80  | 70  | 63  | 57  | 74 | 65 | 58 | 53 | 55 | 50 | 46 | 46 | 42 | 39 | 37 | 34 | 32 | 28 |
| 4   | 73  | 62  | 54  | 48  | 67 | 57 | 50 | 45 | 49 | 43 | 39 | 41 | 36 | 33 | 33 | 30 | 27 | 24 |
| 5   | 67  | 55  | 47  | 41  | 62 | 51 | 44 | 38 | 43 | 38 | 33 | 36 | 32 | 28 | 30 | 26 | 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 | 18 | 16 |
| 8   | 53  | 40  | 33  | 27  | 49 | 38 | 31 | 26 | 32 | 27 | 23 | 27 | 23 | 19 | 23 | 19 | 17 | 14 |
| 9   | 49  | 37  | 29  | 24  | 45 | 34 | 27 | 23 | 30 | 24 | 20 | 25 | 21 | 17 | 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°  | 9680 | 9680 | 9680 |
| 5°  | 9700 | 9502 | 9532 |
| 10° | 9630 | 9332 | 9318 |
| 15° | 9517 | 9129 | 9046 |
| 20° | 9362 | 8878 | 8774 |
| 25° | 9178 | 8609 | 8439 |
| 30° | 8955 | 8314 | 8134 |
| 35° | 8748 | 8042 | 7856 |
| 40° | 8535 | 7756 | 7574 |
| 45° | 8297 | 7510 | 7326 |
| 50° | 8068 | 7245 | 7106 |
| 55° | 7794 | 6995 | 6847 |
| 60° | 7494 | 6708 | 6584 |
| 65° | 7180 | 6410 | 6286 |
| 70° | 6825 | 6000 | 5981 |
| 75° | 6261 | 5606 | 5607 |
| 80° | 5525 | 5130 | 5198 |
| 85° | 4842 | 4811 | 5069 |



TEST NUMBER: P333336-830

CATALOG NUMBER: S125DIP-S1270D1205U830-4F0-1E-UDD-D4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 141.7  | 1.6       |
| 10°-20°   | 402.4  | 4.6       |
| 20°-30°   | 598.4  | 6.9       |
| 30°-40°   | 708.8  | 8.1       |
| 40°-50°   | 732.8  | 8.4       |
| 50°-60°   | 675.1  | 7.7       |
| 60°-70°   | 545.7  | 6.3       |
| 70°-80°   | 365.5  | 4.2       |
| 80°-90°   | 192.6  | 2.2       |
| 90°-100°  | 500.1  | 5.7       |
| 100°-110° | 924.9  | 10.6      |
| 110°-120° | 846.9  | 9.7       |
| 120°-130° | 673.6  | 7.7       |
| 130°-140° | 529.7  | 6.1       |
| 140°-150° | 392.5  | 4.5       |
| 150°-160° | 274.4  | 3.1       |
| 160°-170° | 161.8  | 1.9       |
| 170°-180° | 52.6   | 0.6       |
| 0°-30°    | 1142.5 | 13.1      |
| 0°-40°    | 1851.2 | 21.2      |
| 0°-60°    | 3259.1 | 37.4      |
| 0°-90°    | 4362.9 | 50.0      |
| 90°-120°  | 2271.9 | 26.1      |
| 90°-150°  | 3867.7 | 44.4      |
| 90°-180°  | 4356.0 | 50.0      |
| 0°-180°   | 8719.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1499 | 1499  | 1499 | 1499  | 1499 |      |
| 5°   | 1499 | 1496  | 1486 | 1497  | 1496 | 142  |
| 15°  | 1431 | 1432  | 1422 | 1430  | 1425 | 403  |
| 25°  | 1300 | 1304  | 1296 | 1301  | 1295 | 598  |
| 35°  | 1126 | 1135  | 1132 | 1136  | 1136 | 704  |
| 45°  | 927  | 943   | 951  | 961   | 962  | 715  |
| 55°  | 713  | 736   | 760  | 775   | 782  | 637  |
| 65°  | 491  | 525   | 560  | 581   | 588  | 487  |
| 75°  | 270  | 309   | 356  | 384   | 392  | 287  |
| 85°  | 81   | 130   | 181  | 212   | 225  | 86   |
| 90°  | 25   | 81    | 138  | 176   | 190  | 18   |
| 95°  | 55   | 165   | 1078 | 579   | 407  | 53   |
| 105° | 137  | 211   | 875  | 1673  | 1572 | 145  |
| 115° | 230  | 287   | 695  | 1457  | 1709 | 226  |
| 125° | 312  | 365   | 645  | 1149  | 1338 | 277  |
| 135° | 362  | 434   | 618  | 946   | 1096 | 281  |
| 145° | 420  | 479   | 609  | 766   | 848  | 263  |
| 155° | 478  | 514   | 594  | 671   | 700  | 220  |
| 165° | 521  | 536   | 570  | 604   | 613  | 147  |
| 175° | 542  | 542   | 546  | 553   | 551  | 51   |
| 180° | 543  | 543   | 543  | 543   | 543  |      |



TEST NUMBER: P333336-830

CATALOG NUMBER: S125DIP-S1270D1205U830-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 |
| 2.5°   | 1502.4 | 1501.9 | 1501.4 | 1500.9 | 1500.3 | 1499.2 | 1497.3 | 1495.5 | 1493.7 | 1491.9 | 1493.7 |
| 5°     | 1498.9 | 1498.3 | 1497.6 | 1496.9 | 1496.3 | 1494.9 | 1492.5 | 1490.3 | 1488.0 | 1485.7 | 1488.3 |
| 7.5°   | 1485.7 | 1485.4 | 1485.2 | 1484.9 | 1484.7 | 1483.4 | 1481.0 | 1478.7 | 1476.3 | 1473.9 | 1476.2 |
| 10°    | 1473.9 | 1473.9 | 1473.9 | 1473.9 | 1473.9 | 1472.6 | 1470.0 | 1467.4 | 1464.8 | 1462.2 | 1464.4 |
| 12.5°  | 1457.5 | 1457.7 | 1458.0 | 1458.3 | 1458.5 | 1457.6 | 1455.6 | 1453.4 | 1451.3 | 1449.3 | 1451.0 |
| 15°    | 1431.3 | 1431.6 | 1432.0 | 1432.3 | 1432.7 | 1431.6 | 1429.4 | 1427.1 | 1424.8 | 1422.5 | 1424.5 |
| 17.5°  | 1397.2 | 1397.9 | 1398.5 | 1399.2 | 1399.9 | 1399.0 | 1396.8 | 1394.5 | 1392.1 | 1389.9 | 1391.4 |
| 20°    | 1372.5 | 1373.2 | 1373.9 | 1374.5 | 1375.2 | 1374.3 | 1372.1 | 1369.8 | 1367.4 | 1365.2 | 1366.2 |
| 22.5°  | 1344.3 | 1345.5 | 1346.7 | 1347.8 | 1349.1 | 1348.3 | 1345.8 | 1343.2 | 1340.7 | 1338.1 | 1339.4 |
| 25°    | 1300.5 | 1301.6 | 1302.5 | 1303.4 | 1304.5 | 1304.0 | 1302.0 | 1300.0 | 1298.1 | 1296.1 | 1297.4 |
| 27.5°  | 1251.8 | 1253.2 | 1254.6 | 1256.0 | 1257.5 | 1257.1 | 1254.9 | 1252.6 | 1250.5 | 1248.2 | 1249.2 |
| 30°    | 1215.3 | 1217.3 | 1219.2 | 1221.2 | 1223.1 | 1223.1 | 1221.2 | 1219.2 | 1217.3 | 1215.3 | 1216.0 |
| 32.5°  | 1182.4 | 1184.1 | 1185.8 | 1187.5 | 1189.2 | 1189.3 | 1187.9 | 1186.5 | 1185.0 | 1183.6 | 1184.2 |
| 35°    | 1125.7 | 1127.9 | 1130.2 | 1132.6 | 1134.8 | 1135.5 | 1134.4 | 1133.5 | 1132.6 | 1131.5 | 1132.6 |
| 37.5°  | 1068.9 | 1071.0 | 1073.1 | 1075.3 | 1077.3 | 1078.2 | 1077.9 | 1077.5 | 1077.2 | 1076.9 | 1078.2 |
| 40°    | 1030.1 | 1032.7 | 1035.4 | 1038.0 | 1040.6 | 1041.7 | 1041.4 | 1041.0 | 1040.8 | 1040.5 | 1041.7 |
| 42.5°  | 987.8  | 991.2  | 994.6  | 998.0  | 1001.5 | 1003.4 | 1004.2 | 1004.9 | 1005.6 | 1006.4 | 1007.9 |
| 45°    | 927.3  | 930.9  | 934.4  | 938.0  | 941.6  | 944.2  | 945.9  | 947.5  | 949.1  | 950.7  | 953.1  |
| 47.5°  | 865.3  | 868.6  | 871.9  | 875.2  | 878.5  | 881.7  | 884.5  | 887.3  | 890.0  | 892.9  | 896.3  |
| 50°    | 822.9  | 826.5  | 830.1  | 833.7  | 837.4  | 840.9  | 844.5  | 848.1  | 851.7  | 855.3  | 858.8  |
| 52.5°  | 778.3  | 782.7  | 787.0  | 791.4  | 795.8  | 800.1  | 804.6  | 808.9  | 813.2  | 817.7  | 821.5  |
| 55°    | 712.8  | 717.9  | 723.2  | 728.4  | 733.6  | 738.9  | 744.0  | 749.3  | 754.5  | 759.8  | 763.4  |
| 57.5°  | 645.7  | 652.0  | 658.3  | 664.5  | 670.8  | 676.9  | 683.0  | 688.9  | 694.9  | 701.0  | 705.1  |
| 60°    | 601.1  | 607.6  | 614.1  | 620.7  | 627.2  | 633.7  | 640.3  | 646.8  | 653.3  | 659.8  | 664.7  |
| 62.5°  | 557.5  | 564.1  | 570.6  | 577.1  | 583.6  | 590.5  | 597.5  | 604.5  | 611.6  | 618.7  | 624.1  |
| 65°    | 490.8  | 498.3  | 505.9  | 513.4  | 520.8  | 528.6  | 536.4  | 544.2  | 552.0  | 559.9  | 564.8  |
| 67.5°  | 427.9  | 435.2  | 442.4  | 449.7  | 456.9  | 464.6  | 472.5  | 480.5  | 488.4  | 496.4  | 502.4  |
| 70°    | 382.1  | 389.6  | 397.1  | 404.6  | 412.1  | 420.1  | 428.6  | 437.2  | 445.6  | 454.1  | 460.3  |
| 72.5°  | 337.4  | 345.2  | 353.0  | 360.7  | 368.5  | 377.0  | 386.3  | 395.6  | 404.8  | 414.2  | 420.8  |
| 75°    | 270.4  | 278.9  | 287.4  | 295.9  | 304.3  | 313.9  | 324.2  | 334.7  | 345.2  | 355.6  | 362.1  |
| 77.5°  | 206.0  | 215.8  | 225.6  | 235.4  | 245.2  | 255.1  | 265.2  | 275.2  | 285.3  | 295.4  | 302.6  |
| 80°    | 166.1  | 175.9  | 185.7  | 195.5  | 205.3  | 215.7  | 226.8  | 237.9  | 249.0  | 260.1  | 267.3  |
| 82.5°  | 129.6  | 140.0  | 150.2  | 160.6  | 170.9  | 181.7  | 193.1  | 204.4  | 215.8  | 227.2  | 234.1  |
| 85°    | 80.9   | 91.6   | 102.4  | 113.2  | 123.9  | 135.1  | 146.5  | 157.9  | 169.3  | 180.8  | 187.9  |
| 87.5°  | 46.1   | 56.7   | 67.6   | 78.5   | 89.4   | 100.7  | 112.0  | 123.5  | 134.8  | 146.4  | 154.1  |
| 90°    | 24.6   | 36.2   | 48.8   | 61.5   | 74.1   | 87.0   | 99.2   | 112.5  | 124.7  | 138.0  | 146.7  |
| 92.5°  | 34.5   | 47.0   | 65.9   | 89.2   | 117.6  | 160.1  | 231.3  | 343.0  | 463.3  | 468.9  | 408.9  |
| 95°    | 55.2   | 64.8   | 82.1   | 102.6  | 135.2  | 194.3  | 322.5  | 574.7  | 888.0  | 1077.6 | 1064.0 |
| 97.5°  | 77.4   | 86.3   | 100.1  | 119.8  | 149.1  | 193.8  | 282.0  | 469.3  | 796.3  | 1136.2 | 1308.2 |
| 100°   | 92.8   | 101.9  | 113.1  | 132.1  | 159.7  | 201.2  | 275.1  | 428.0  | 714.4  | 1083.0 | 1363.7 |
| 102.5° | 110.1  | 117.7  | 127.5  | 146.8  | 172.2  | 212.4  | 279.2  | 408.9  | 652.1  | 995.0  | 1321.9 |
| 105°   | 137.0  | 142.2  | 152.9  | 169.1  | 191.8  | 230.0  | 288.0  | 395.3  | 588.0  | 874.9  | 1195.7 |
| 107.5° | 163.2  | 169.8  | 179.6  | 193.0  | 215.7  | 250.2  | 306.2  | 399.1  | 557.6  | 790.9  | 1068.6 |
| 110°   | 182.2  | 188.3  | 196.6  | 210.4  | 230.7  | 265.8  | 319.8  | 404.5  | 546.2  | 750.3  | 995.2  |



TEST NUMBER: P333336-830

CATALOG NUMBER: S125DIP-S1270D1205U830-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 202.4 | 207.7 | 214.3 | 227.3 | 246.9 | 280.5 | 332.5 | 412.6 | 541.8 | 724.5 | 939.4 |
| 115°   | 230.1 | 234.5 | 240.1 | 252.2 | 271.0 | 303.7 | 352.7 | 424.7 | 538.4 | 694.7 | 876.9 |
| 117.5° | 254.9 | 259.7 | 264.7 | 276.0 | 296.1 | 327.4 | 373.8 | 439.6 | 539.0 | 676.5 | 836.5 |
| 120°   | 272.4 | 276.6 | 282.0 | 292.8 | 312.5 | 344.0 | 389.9 | 450.0 | 541.9 | 666.6 | 813.3 |
| 122.5° | 289.6 | 292.5 | 296.4 | 306.8 | 327.5 | 358.8 | 404.4 | 461.6 | 543.6 | 657.4 | 792.6 |
| 125°   | 312.5 | 314.4 | 319.5 | 329.0 | 349.6 | 381.2 | 423.8 | 477.4 | 547.5 | 644.9 | 764.0 |
| 127.5° | 329.2 | 332.2 | 338.8 | 351.0 | 372.9 | 403.8 | 444.0 | 492.8 | 553.6 | 635.6 | 737.2 |
| 130°   | 340.6 | 343.6 | 352.0 | 365.9 | 388.6 | 419.2 | 457.7 | 503.9 | 557.8 | 630.3 | 720.3 |
| 132.5° | 348.2 | 352.3 | 362.8 | 378.7 | 402.5 | 432.7 | 470.1 | 512.7 | 562.0 | 625.6 | 705.0 |
| 135°   | 362.1 | 366.2 | 379.0 | 396.2 | 418.9 | 449.5 | 485.7 | 524.1 | 566.9 | 618.5 | 685.1 |
| 137.5° | 379.8 | 382.9 | 394.8 | 412.1 | 434.4 | 465.3 | 497.3 | 533.0 | 572.7 | 614.5 | 668.4 |
| 140°   | 389.2 | 392.5 | 405.6 | 423.1 | 443.9 | 473.6 | 505.8 | 538.9 | 574.3 | 611.9 | 659.3 |
| 142.5° | 401.4 | 403.6 | 415.6 | 432.8 | 452.5 | 480.2 | 510.3 | 541.5 | 574.9 | 610.4 | 652.1 |
| 145°   | 419.8 | 421.7 | 432.3 | 447.3 | 466.7 | 491.7 | 520.2 | 547.6 | 577.2 | 608.9 | 643.4 |
| 147.5° | 437.6 | 438.9 | 448.4 | 462.6 | 479.7 | 501.8 | 526.8 | 551.6 | 578.2 | 606.1 | 635.6 |
| 150°   | 449.0 | 451.2 | 458.9 | 473.2 | 488.4 | 507.1 | 531.1 | 554.2 | 578.2 | 603.4 | 629.7 |
| 152.5° | 461.3 | 462.6 | 469.4 | 481.9 | 496.3 | 513.2 | 535.6 | 555.9 | 577.4 | 599.9 | 623.6 |
| 155°   | 477.5 | 477.5 | 484.1 | 495.0 | 506.0 | 521.3 | 539.9 | 557.4 | 575.0 | 593.6 | 613.3 |
| 157.5° | 492.0 | 491.7 | 497.0 | 506.4 | 516.0 | 527.6 | 543.7 | 558.6 | 572.1 | 587.0 | 603.7 |
| 160°   | 501.6 | 500.5 | 504.9 | 512.6 | 521.3 | 531.1 | 545.4 | 558.6 | 569.5 | 582.7 | 595.8 |
| 162.5° | 509.4 | 508.4 | 512.7 | 519.5 | 526.6 | 534.7 | 547.1 | 557.7 | 566.8 | 577.4 | 588.8 |
| 165°   | 521.3 | 519.2 | 522.5 | 527.9 | 532.3 | 538.9 | 547.6 | 556.4 | 562.9 | 569.5 | 578.2 |
| 167.5° | 529.2 | 528.1 | 530.1 | 533.1 | 536.2 | 540.4 | 547.6 | 553.7 | 556.8 | 561.8 | 568.0 |
| 170°   | 534.4 | 533.4 | 534.4 | 536.7 | 538.9 | 542.2 | 547.6 | 552.0 | 554.2 | 557.4 | 561.8 |
| 172.5° | 538.0 | 536.0 | 537.1 | 539.2 | 540.5 | 542.2 | 546.7 | 550.3 | 550.6 | 552.2 | 555.7 |
| 175°   | 542.2 | 539.9 | 541.0 | 542.2 | 542.2 | 542.2 | 545.4 | 547.6 | 546.5 | 546.5 | 547.6 |
| 177.5° | 544.1 | 542.3 | 542.3 | 543.2 | 542.3 | 542.3 | 544.1 | 545.0 | 543.2 | 543.2 | 544.1 |
| 180°   | 543.2 | 543.2 | 543.2 | 543.2 | 543.2 | 543.2 | 543.2 | 543.2 | 543.2 | 543.2 | 543.2 |



TEST NUMBER: P333336-830

CATALOG NUMBER: S125DIP-S1270D1205U830-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 | 1498.9 |
| 2.5°   | 1495.5 | 1497.3 | 1499.2 | 1500.0 | 1499.7 | 1499.5 | 1499.2 | 1498.9 |
| 5°     | 1490.9 | 1493.6 | 1496.2 | 1497.3 | 1496.9 | 1496.7 | 1496.3 | 1496.0 |
| 7.5°   | 1478.5 | 1480.8 | 1483.1 | 1484.0 | 1483.8 | 1483.4 | 1483.1 | 1482.7 |
| 10°    | 1466.8 | 1469.0 | 1471.3 | 1472.3 | 1472.0 | 1471.7 | 1471.3 | 1471.0 |
| 12.5°  | 1452.7 | 1454.5 | 1456.3 | 1456.8 | 1455.9 | 1455.1 | 1454.2 | 1453.4 |
| 15°    | 1426.4 | 1428.4 | 1430.3 | 1430.7 | 1429.4 | 1428.0 | 1426.7 | 1425.4 |
| 17.5°  | 1392.9 | 1394.4 | 1395.9 | 1396.3 | 1395.4 | 1394.7 | 1393.9 | 1393.1 |
| 20°    | 1367.2 | 1368.1 | 1369.1 | 1369.6 | 1369.6 | 1369.6 | 1369.6 | 1369.6 |
| 22.5°  | 1340.7 | 1341.9 | 1343.1 | 1343.3 | 1342.6 | 1341.8 | 1341.0 | 1340.2 |
| 25°    | 1298.7 | 1300.0 | 1301.4 | 1301.2 | 1299.6 | 1297.9 | 1296.3 | 1294.7 |
| 27.5°  | 1250.1 | 1250.9 | 1251.9 | 1252.1 | 1251.4 | 1250.8 | 1250.3 | 1249.7 |
| 30°    | 1216.6 | 1217.3 | 1218.0 | 1218.0 | 1217.8 | 1217.4 | 1217.1 | 1216.7 |
| 32.5°  | 1184.9 | 1185.5 | 1186.2 | 1186.4 | 1186.0 | 1185.7 | 1185.3 | 1185.1 |
| 35°    | 1133.5 | 1134.4 | 1135.5 | 1136.0 | 1136.0 | 1136.0 | 1136.0 | 1136.0 |
| 37.5°  | 1079.5 | 1080.8 | 1082.1 | 1082.7 | 1082.5 | 1082.4 | 1082.3 | 1082.1 |
| 40°    | 1043.0 | 1044.3 | 1045.7 | 1046.6 | 1047.3 | 1047.9 | 1048.6 | 1049.2 |
| 42.5°  | 1009.5 | 1011.1 | 1012.6 | 1013.4 | 1013.6 | 1013.7 | 1013.9 | 1014.0 |
| 45°    | 955.4  | 957.6  | 959.9  | 961.2  | 961.6  | 961.9  | 962.2  | 962.5  |
| 47.5°  | 899.6  | 902.9  | 906.3  | 908.2  | 909.0  | 909.6  | 910.4  | 911.2  |
| 50°    | 862.4  | 866.0  | 869.7  | 871.9  | 872.9  | 873.9  | 874.9  | 875.8  |
| 52.5°  | 825.4  | 829.2  | 833.0  | 835.4  | 836.0  | 836.8  | 837.5  | 838.2  |
| 55°    | 766.9  | 770.5  | 774.1  | 776.6  | 777.9  | 779.2  | 780.5  | 781.8  |
| 57.5°  | 709.2  | 713.3  | 717.5  | 720.0  | 721.0  | 721.9  | 722.9  | 723.9  |
| 60°    | 669.6  | 674.5  | 679.4  | 682.3  | 683.3  | 684.3  | 685.3  | 686.3  |
| 62.5°  | 629.5  | 634.9  | 640.4  | 643.7  | 644.9  | 646.2  | 647.4  | 648.7  |
| 65°    | 569.7  | 574.6  | 579.5  | 582.6  | 583.9  | 585.2  | 586.5  | 587.8  |
| 67.5°  | 508.3  | 514.3  | 520.2  | 524.0  | 525.7  | 527.4  | 529.1  | 530.8  |
| 70°    | 466.5  | 472.7  | 478.9  | 483.0  | 484.9  | 486.9  | 488.9  | 490.8  |
| 72.5°  | 427.5  | 434.3  | 441.0  | 445.1  | 446.6  | 448.0  | 449.4  | 450.8  |
| 75°    | 368.7  | 375.2  | 381.7  | 385.9  | 387.5  | 389.1  | 390.8  | 392.4  |
| 77.5°  | 309.7  | 316.9  | 324.1  | 328.4  | 329.7  | 330.9  | 332.2  | 333.6  |
| 80°    | 274.5  | 281.6  | 288.9  | 293.1  | 294.4  | 295.7  | 297.0  | 298.3  |
| 82.5°  | 241.0  | 248.0  | 254.9  | 259.5  | 261.8  | 264.2  | 266.6  | 268.9  |
| 85°    | 195.1  | 202.3  | 209.5  | 214.4  | 217.0  | 219.6  | 222.3  | 224.8  |
| 87.5°  | 161.8  | 169.6  | 177.3  | 182.6  | 184.9  | 187.2  | 189.6  | 192.0  |
| 90°    | 155.2  | 163.8  | 172.5  | 179.6  | 181.8  | 184.1  | 187.5  | 189.7  |
| 92.5°  | 324.3  | 278.4  | 250.8  | 239.4  | 227.6  | 227.3  | 228.1  | 228.6  |
| 95°    | 909.1  | 749.8  | 622.3  | 535.0  | 459.6  | 429.0  | 422.5  | 407.3  |
| 97.5°  | 1286.4 | 1176.5 | 1052.2 | 928.8  | 863.3  | 804.2  | 774.7  | 762.9  |
| 100°   | 1454.8 | 1408.1 | 1302.1 | 1192.6 | 1119.0 | 1042.1 | 1003.5 | 988.0  |
| 102.5° | 1508.4 | 1548.0 | 1500.5 | 1427.7 | 1348.8 | 1294.7 | 1252.6 | 1241.4 |
| 105°   | 1465.1 | 1621.6 | 1676.4 | 1668.7 | 1636.0 | 1602.1 | 1582.5 | 1571.6 |
| 107.5° | 1334.4 | 1541.1 | 1671.2 | 1732.7 | 1752.4 | 1754.3 | 1749.0 | 1742.3 |
| 110°   | 1238.0 | 1452.3 | 1612.9 | 1710.2 | 1761.8 | 1784.9 | 1794.9 | 1797.1 |





TEST NUMBER: P333336-830

CATALOG NUMBER: S125DIP-S1270D1205U830-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1160.9 | 1364.4 | 1526.5 | 1640.4 | 1714.8 | 1752.8 | 1774.1 | 1784.2 |
| 115°   | 1063.5 | 1239.2 | 1395.1 | 1518.3 | 1605.7 | 1660.3 | 1692.9 | 1709.1 |
| 117.5° | 997.5  | 1149.4 | 1284.2 | 1397.6 | 1485.3 | 1541.8 | 1574.4 | 1585.5 |
| 120°   | 961.3  | 1098.3 | 1224.3 | 1324.5 | 1407.4 | 1462.0 | 1493.5 | 1504.2 |
| 122.5° | 932.4  | 1059.5 | 1172.1 | 1265.9 | 1340.2 | 1390.3 | 1421.9 | 1431.7 |
| 125°   | 890.8  | 1007.8 | 1108.2 | 1190.5 | 1253.5 | 1300.0 | 1325.8 | 1338.4 |
| 127.5° | 848.3  | 957.3  | 1051.1 | 1128.3 | 1185.8 | 1227.4 | 1252.1 | 1258.8 |
| 130°   | 822.3  | 923.2  | 1013.2 | 1087.5 | 1144.0 | 1181.7 | 1205.2 | 1213.4 |
| 132.5° | 795.7  | 890.5  | 972.6  | 1044.1 | 1100.2 | 1137.7 | 1159.3 | 1168.1 |
| 135°   | 759.5  | 839.3  | 913.7  | 979.0  | 1028.9 | 1066.6 | 1088.0 | 1096.2 |
| 137.5° | 729.3  | 794.3  | 856.4  | 912.0  | 956.5  | 990.6  | 1010.1 | 1018.6 |
| 140°   | 712.2  | 767.2  | 821.1  | 869.6  | 911.4  | 941.2  | 958.9  | 965.7  |
| 142.5° | 697.4  | 744.0  | 790.4  | 832.5  | 868.2  | 893.6  | 910.5  | 916.3  |
| 145°   | 679.0  | 714.5  | 750.2  | 781.2  | 808.8  | 828.7  | 842.1  | 847.7  |
| 147.5° | 662.8  | 690.9  | 717.5  | 740.4  | 761.8  | 777.2  | 784.9  | 787.4  |
| 150°   | 653.8  | 678.0  | 698.7  | 718.6  | 735.4  | 748.9  | 753.6  | 755.0  |
| 152.5° | 645.1  | 666.6  | 685.6  | 701.0  | 714.8  | 725.4  | 729.8  | 731.0  |
| 155°   | 631.9  | 649.4  | 664.8  | 676.8  | 687.8  | 695.4  | 698.7  | 699.8  |
| 157.5° | 618.8  | 633.2  | 645.1  | 654.5  | 663.0  | 669.4  | 672.4  | 672.2  |
| 160°   | 610.0  | 620.9  | 631.9  | 639.6  | 647.2  | 652.7  | 655.0  | 653.8  |
| 162.5° | 600.4  | 610.5  | 619.6  | 626.4  | 632.4  | 637.0  | 637.4  | 637.2  |
| 165°   | 587.0  | 594.7  | 601.2  | 606.7  | 611.1  | 613.3  | 613.3  | 613.3  |
| 167.5° | 574.3  | 579.4  | 584.4  | 588.3  | 590.5  | 592.5  | 591.6  | 591.4  |
| 170°   | 567.3  | 570.6  | 573.9  | 576.1  | 578.2  | 579.4  | 579.4  | 578.2  |
| 172.5° | 559.4  | 562.7  | 565.1  | 566.5  | 566.8  | 568.8  | 567.1  | 566.0  |
| 175°   | 550.9  | 550.9  | 553.1  | 553.1  | 553.1  | 554.2  | 552.0  | 550.9  |
| 177.5° | 545.0  | 545.8  | 545.8  | 545.8  | 545.0  | 545.8  | 543.2  | 543.2  |
| 180°   | 543.2  | 543.2  | 543.2  | 543.2  | 543.2  | 543.2  | 543.2  | 543.2  |

(END OF REPORT)