

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: P333318-840

Luminaire Tested: **S125DIP-S1270D810U840-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333318-840  
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-S1270D810U840-4F0-1E-UDD-D4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7913.5 lumens  
Efficiency: N/A  
Efficacy: 130.4 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

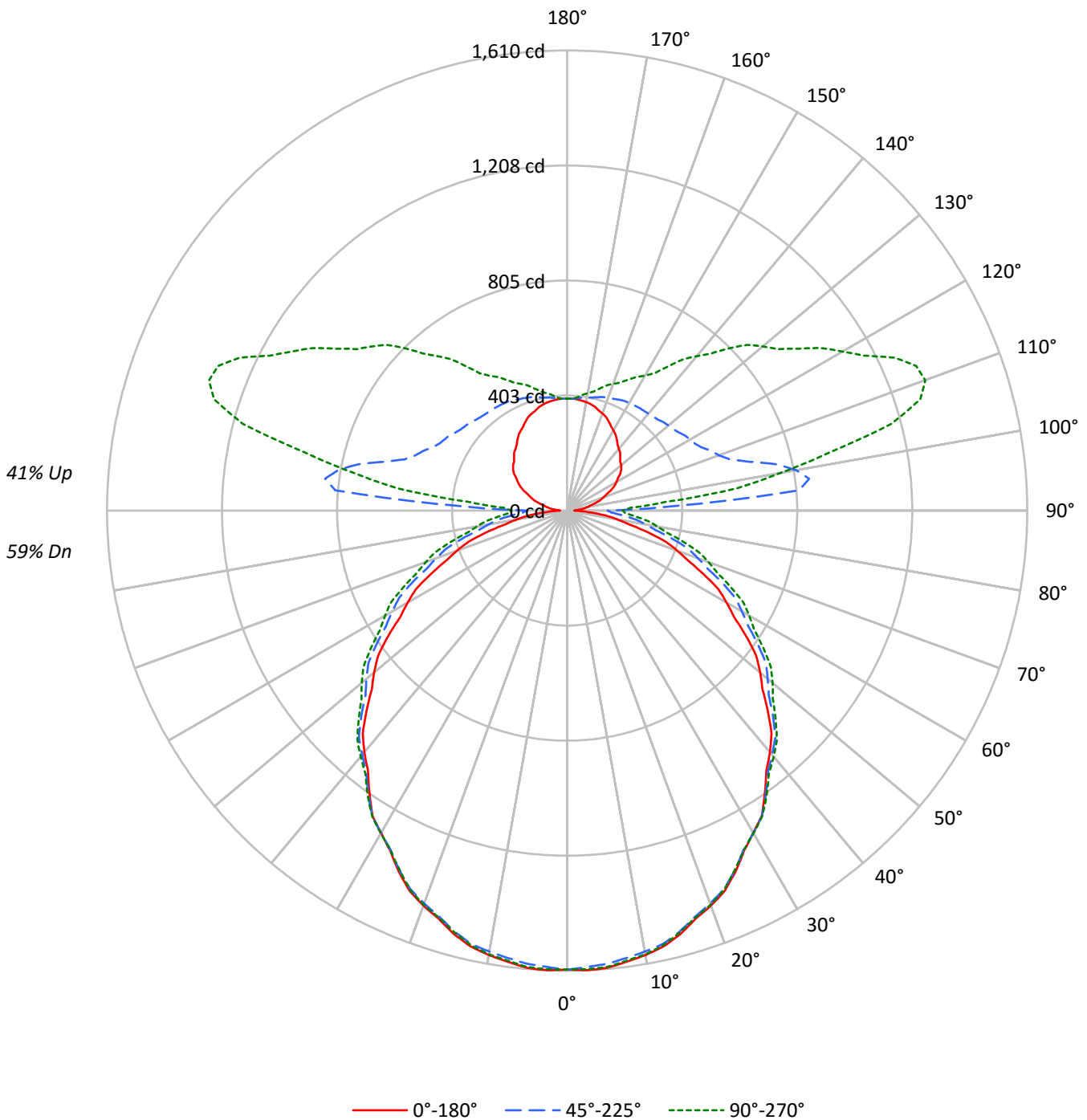
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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   | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 64 | 64 | 64 | 59 |
| 1   | 99  | 94  | 90  | 86  | 92  | 88  | 84  | 81  | 76 | 73 | 71 | 65 | 63 | 61 | 56 | 54 | 53 | 48 |
| 2   | 90  | 82  | 75  | 70  | 83  | 76  | 71  | 66  | 66 | 62 | 58 | 57 | 54 | 51 | 48 | 46 | 44 | 39 |
| 3   | 82  | 72  | 64  | 58  | 76  | 67  | 60  | 54  | 58 | 53 | 48 | 50 | 46 | 42 | 43 | 39 | 37 | 33 |
| 4   | 75  | 63  | 55  | 49  | 69  | 59  | 52  | 46  | 52 | 46 | 41 | 45 | 40 | 36 | 38 | 34 | 32 | 28 |
| 5   | 68  | 56  | 48  | 41  | 63  | 53  | 45  | 39  | 46 | 40 | 35 | 40 | 35 | 31 | 34 | 30 | 27 | 24 |
| 6   | 63  | 50  | 42  | 36  | 59  | 47  | 40  | 34  | 41 | 35 | 31 | 36 | 31 | 27 | 31 | 27 | 24 | 21 |
| 7   | 58  | 46  | 37  | 31  | 54  | 43  | 35  | 30  | 38 | 31 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 19 |
| 8   | 54  | 41  | 33  | 28  | 50  | 39  | 32  | 27  | 34 | 28 | 24 | 30 | 25 | 21 | 26 | 22 | 19 | 17 |
| 9   | 50  | 38  | 30  | 25  | 47  | 36  | 29  | 24  | 31 | 26 | 21 | 28 | 23 | 19 | 24 | 20 | 17 | 15 |
| 10  | 47  | 35  | 27  | 22  | 44  | 33  | 26  | 21  | 29 | 23 | 19 | 25 | 21 | 17 | 22 | 18 | 16 | 14 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 10372 | 10372 | 10372 |
| 5°  | 10393 | 10181 | 10213 |
| 10° | 10318 | 9998  | 9984  |
| 15° | 10197 | 9781  | 9692  |
| 20° | 10031 | 9512  | 9401  |
| 25° | 9834  | 9224  | 9042  |
| 30° | 9595  | 8907  | 8715  |
| 35° | 9372  | 8616  | 8417  |
| 40° | 9145  | 8310  | 8116  |
| 45° | 8889  | 8048  | 7849  |
| 50° | 8644  | 7763  | 7614  |
| 55° | 8351  | 7495  | 7337  |
| 60° | 8029  | 7187  | 7054  |
| 65° | 7692  | 6868  | 6736  |
| 70° | 7312  | 6430  | 6408  |
| 75° | 6707  | 6007  | 6007  |
| 80° | 5917  | 5497  | 5569  |
| 85° | 5183  | 5154  | 5432  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 151.9  | 1.9       |
| 10°-20°   | 431.1  | 5.4       |
| 20°-30°   | 641.1  | 8.1       |
| 30°-40°   | 759.4  | 9.6       |
| 40°-50°   | 785.2  | 9.9       |
| 50°-60°   | 723.3  | 9.1       |
| 60°-70°   | 584.7  | 7.4       |
| 70°-80°   | 391.6  | 4.9       |
| 80°-90°   | 205.2  | 2.6       |
| 90°-100°  | 397.8  | 5.0       |
| 100°-110° | 694.3  | 8.8       |
| 110°-120° | 629.0  | 7.9       |
| 120°-130° | 496.1  | 6.3       |
| 130°-140° | 386.5  | 4.9       |
| 140°-150° | 283.9  | 3.6       |
| 150°-160° | 197.9  | 2.5       |
| 160°-170° | 116.6  | 1.5       |
| 170°-180° | 37.9   | 0.5       |
| 0°-30°    | 1224.1 | 15.5      |
| 0°-40°    | 1983.5 | 25.1      |
| 0°-60°    | 3491.9 | 44.1      |
| 0°-90°    | 4673.4 | 59.1      |
| 90°-120°  | 1721.1 | 21.7      |
| 90°-150°  | 2887.6 | 36.5      |
| 90°-180°  | 3240.0 | 40.9      |
| 0°-180°   | 7913.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1606 | 1606  | 1606 | 1606  | 1606 |      |
| 5°   | 1606 | 1602  | 1592 | 1604  | 1603 | 152  |
| 15°  | 1534 | 1534  | 1524 | 1533  | 1527 | 432  |
| 25°  | 1393 | 1397  | 1389 | 1394  | 1387 | 641  |
| 35°  | 1206 | 1216  | 1212 | 1217  | 1217 | 755  |
| 45°  | 994  | 1010  | 1019 | 1029  | 1031 | 766  |
| 55°  | 764  | 789   | 814  | 831   | 838  | 682  |
| 65°  | 526  | 562   | 600  | 623   | 630  | 522  |
| 75°  | 290  | 331   | 381  | 411   | 420  | 307  |
| 85°  | 87   | 139   | 194  | 227   | 241  | 92   |
| 90°  | 26   | 83    | 142  | 180   | 194  | 18   |
| 95°  | 47   | 139   | 815  | 466   | 346  | 44   |
| 105° | 103  | 165   | 659  | 1244  | 1175 | 109  |
| 115° | 169  | 214   | 521  | 1079  | 1265 | 166  |
| 125° | 227  | 266   | 477  | 848   | 988  | 201  |
| 135° | 262  | 314   | 450  | 693   | 804  | 204  |
| 145° | 303  | 346   | 439  | 555   | 616  | 190  |
| 155° | 344  | 370   | 428  | 484   | 504  | 158  |
| 165° | 376  | 386   | 411  | 436   | 442  | 106  |
| 175° | 391  | 391   | 394  | 399   | 397  | 37   |
| 180° | 392  | 392   | 392  | 392   | 392  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 |
| 2.5°   | 1609.7 | 1609.2 | 1608.6 | 1608.1 | 1607.5 | 1606.3 | 1604.3 | 1602.4 | 1600.4 | 1598.4 | 1600.4 |
| 5°     | 1606.0 | 1605.3 | 1604.6 | 1603.9 | 1603.2 | 1601.6 | 1599.1 | 1596.7 | 1594.3 | 1591.9 | 1594.6 |
| 7.5°   | 1591.9 | 1591.5 | 1591.2 | 1590.9 | 1590.7 | 1589.3 | 1586.8 | 1584.3 | 1581.8 | 1579.2 | 1581.7 |
| 10°    | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1579.2 | 1577.8 | 1575.0 | 1572.3 | 1569.4 | 1566.6 | 1569.0 |
| 12.5°  | 1561.6 | 1561.9 | 1562.2 | 1562.5 | 1562.7 | 1561.8 | 1559.5 | 1557.2 | 1555.0 | 1552.8 | 1554.7 |
| 15°    | 1533.6 | 1533.9 | 1534.3 | 1534.6 | 1535.0 | 1533.9 | 1531.5 | 1529.0 | 1526.6 | 1524.1 | 1526.2 |
| 17.5°  | 1497.0 | 1497.7 | 1498.4 | 1499.1 | 1499.9 | 1498.9 | 1496.5 | 1494.1 | 1491.6 | 1489.1 | 1490.8 |
| 20°    | 1470.6 | 1471.3 | 1472.0 | 1472.7 | 1473.4 | 1472.5 | 1470.1 | 1467.6 | 1465.1 | 1462.7 | 1463.8 |
| 22.5°  | 1440.4 | 1441.6 | 1442.9 | 1444.1 | 1445.4 | 1444.6 | 1441.9 | 1439.2 | 1436.4 | 1433.7 | 1435.0 |
| 25°    | 1393.4 | 1394.5 | 1395.5 | 1396.5 | 1397.7 | 1397.1 | 1395.0 | 1392.9 | 1390.8 | 1388.7 | 1390.1 |
| 27.5°  | 1341.2 | 1342.7 | 1344.2 | 1345.7 | 1347.4 | 1346.9 | 1344.5 | 1342.1 | 1339.8 | 1337.4 | 1338.4 |
| 30°    | 1302.1 | 1304.2 | 1306.3 | 1308.4 | 1310.5 | 1310.5 | 1308.4 | 1306.3 | 1304.2 | 1302.1 | 1302.8 |
| 32.5°  | 1266.9 | 1268.7 | 1270.5 | 1272.3 | 1274.1 | 1274.2 | 1272.7 | 1271.2 | 1269.6 | 1268.1 | 1268.8 |
| 35°    | 1206.1 | 1208.5 | 1210.9 | 1213.5 | 1215.9 | 1216.6 | 1215.5 | 1214.5 | 1213.5 | 1212.3 | 1213.5 |
| 37.5°  | 1145.3 | 1147.5 | 1149.7 | 1152.1 | 1154.3 | 1155.2 | 1154.9 | 1154.5 | 1154.2 | 1153.8 | 1155.2 |
| 40°    | 1103.7 | 1106.5 | 1109.3 | 1112.2 | 1114.9 | 1116.1 | 1115.8 | 1115.4 | 1115.1 | 1114.8 | 1116.1 |
| 42.5°  | 1058.3 | 1062.0 | 1065.6 | 1069.2 | 1073.0 | 1075.1 | 1075.9 | 1076.7 | 1077.4 | 1078.2 | 1079.8 |
| 45°    | 993.5  | 997.3  | 1001.2 | 1005.0 | 1008.9 | 1011.7 | 1013.5 | 1015.2 | 1016.9 | 1018.7 | 1021.2 |
| 47.5°  | 927.1  | 930.6  | 934.2  | 937.8  | 941.3  | 944.6  | 947.7  | 950.7  | 953.6  | 956.6  | 960.3  |
| 50°    | 881.7  | 885.6  | 889.4  | 893.2  | 897.2  | 901.0  | 904.8  | 908.7  | 912.5  | 916.4  | 920.2  |
| 52.5°  | 833.8  | 838.6  | 843.2  | 847.9  | 852.6  | 857.3  | 862.0  | 866.7  | 871.3  | 876.1  | 880.2  |
| 55°    | 763.7  | 769.2  | 774.9  | 780.4  | 786.0  | 791.6  | 797.2  | 802.8  | 808.4  | 814.1  | 817.9  |
| 57.5°  | 691.9  | 698.5  | 705.3  | 712.0  | 718.7  | 725.3  | 731.7  | 738.1  | 744.6  | 751.0  | 755.5  |
| 60°    | 644.0  | 651.0  | 657.9  | 665.0  | 672.0  | 678.9  | 686.0  | 693.0  | 699.9  | 706.9  | 712.2  |
| 62.5°  | 597.3  | 604.4  | 611.4  | 618.3  | 625.3  | 632.7  | 640.2  | 647.7  | 655.3  | 662.9  | 668.6  |
| 65°    | 525.8  | 533.9  | 542.0  | 550.1  | 558.1  | 566.3  | 574.7  | 583.1  | 591.5  | 599.9  | 605.1  |
| 67.5°  | 458.5  | 466.3  | 474.0  | 481.8  | 489.6  | 497.8  | 506.2  | 514.8  | 523.3  | 531.9  | 538.3  |
| 70°    | 409.4  | 417.4  | 425.5  | 433.5  | 441.5  | 450.1  | 459.2  | 468.4  | 477.5  | 486.6  | 493.2  |
| 72.5°  | 361.5  | 369.8  | 378.2  | 386.5  | 394.9  | 403.9  | 413.8  | 423.8  | 433.7  | 443.7  | 450.9  |
| 75°    | 289.7  | 298.8  | 307.9  | 317.0  | 326.1  | 336.3  | 347.4  | 358.6  | 369.8  | 381.0  | 388.0  |
| 77.5°  | 220.8  | 231.3  | 241.8  | 252.3  | 262.8  | 273.4  | 284.2  | 294.9  | 305.7  | 316.5  | 324.2  |
| 80°    | 177.9  | 188.4  | 198.9  | 209.4  | 219.9  | 231.1  | 243.0  | 254.9  | 266.8  | 278.7  | 286.4  |
| 82.5°  | 138.9  | 150.0  | 161.0  | 172.1  | 183.1  | 194.7  | 206.9  | 219.0  | 231.3  | 243.4  | 250.9  |
| 85°    | 86.6   | 98.2   | 109.7  | 121.3  | 132.8  | 144.7  | 156.9  | 169.2  | 181.4  | 193.7  | 201.4  |
| 87.5°  | 49.3   | 60.6   | 72.1   | 83.6   | 95.1   | 107.0  | 119.1  | 131.3  | 143.4  | 155.5  | 163.8  |
| 90°    | 26.0   | 38.0   | 50.7   | 63.5   | 76.2   | 89.4   | 102.1  | 115.6  | 128.3  | 141.8  | 150.6  |
| 92.5°  | 32.3   | 44.7   | 61.7   | 81.9   | 105.8  | 140.1  | 195.4  | 279.9  | 370.5  | 378.6  | 337.9  |
| 95°    | 46.6   | 56.5   | 71.8   | 89.6   | 116.0  | 162.1  | 258.5  | 444.1  | 673.9  | 814.6  | 807.2  |
| 97.5°  | 61.8   | 71.0   | 83.6   | 100.5  | 124.3  | 159.7  | 227.1  | 365.9  | 605.3  | 854.1  | 980.6  |
| 100°   | 72.6   | 81.5   | 92.0   | 108.1  | 130.4  | 163.4  | 220.4  | 334.2  | 544.4  | 813.7  | 1018.5 |
| 102.5° | 84.6   | 92.3   | 101.7  | 117.8  | 138.3  | 170.2  | 221.9  | 319.0  | 498.0  | 748.7  | 986.6  |
| 105°   | 103.4  | 109.0  | 118.6  | 132.0  | 150.3  | 180.5  | 225.7  | 306.4  | 448.8  | 659.0  | 892.7  |
| 107.5° | 121.7  | 128.1  | 136.6  | 147.8  | 165.7  | 193.0  | 236.7  | 307.0  | 424.6  | 596.1  | 798.5  |
| 110°   | 135.0  | 140.8  | 148.1  | 159.5  | 175.5  | 203.0  | 245.2  | 309.4  | 414.8  | 565.1  | 744.0  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 149.6 | 154.4 | 160.4 | 170.8 | 186.0 | 212.4 | 253.0 | 313.9 | 410.0 | 544.9 | 702.0 |
| 115°   | 169.0 | 173.0 | 177.8 | 187.3 | 201.7 | 227.1 | 265.5 | 320.3 | 405.3 | 521.0 | 654.4 |
| 117.5° | 186.3 | 190.3 | 194.4 | 203.2 | 218.2 | 242.4 | 278.6 | 328.9 | 403.4 | 505.3 | 622.6 |
| 120°   | 198.9 | 202.4 | 206.6 | 214.7 | 229.2 | 253.5 | 289.2 | 335.2 | 403.9 | 496.6 | 604.3 |
| 122.5° | 211.0 | 213.2 | 216.2 | 223.8 | 238.9 | 262.9 | 298.2 | 342.0 | 403.6 | 488.3 | 587.6 |
| 125°   | 227.4 | 228.6 | 232.2 | 238.9 | 253.6 | 277.5 | 310.5 | 351.5 | 404.2 | 476.9 | 564.5 |
| 127.5° | 238.9 | 241.0 | 245.6 | 254.3 | 269.9 | 293.2 | 324.0 | 360.9 | 406.7 | 467.7 | 542.7 |
| 130°   | 247.1 | 249.1 | 255.1 | 265.0 | 281.2 | 304.1 | 333.5 | 368.4 | 408.8 | 462.6 | 529.2 |
| 132.5° | 252.2 | 255.1 | 262.7 | 274.1 | 291.2 | 313.7 | 341.8 | 373.8 | 410.5 | 457.6 | 516.5 |
| 135°   | 262.2 | 265.0 | 274.1 | 286.4 | 302.6 | 325.0 | 351.8 | 380.4 | 412.0 | 450.0 | 499.6 |
| 137.5° | 274.8 | 276.9 | 285.4 | 297.8 | 313.8 | 336.2 | 359.6 | 385.8 | 414.8 | 445.4 | 485.4 |
| 140°   | 281.0 | 283.5 | 293.0 | 305.6 | 320.5 | 342.0 | 365.3 | 389.4 | 415.0 | 442.2 | 477.6 |
| 142.5° | 289.9 | 291.3 | 299.9 | 312.4 | 326.4 | 346.4 | 368.1 | 390.5 | 414.7 | 440.3 | 471.4 |
| 145°   | 303.2 | 304.5 | 311.9 | 322.7 | 336.6 | 354.6 | 375.1 | 394.8 | 416.2 | 439.0 | 464.4 |
| 147.5° | 315.5 | 316.5 | 323.3 | 333.6 | 345.9 | 361.8 | 379.8 | 397.7 | 416.9 | 437.0 | 458.4 |
| 150°   | 323.8 | 325.3 | 330.8 | 341.1 | 352.1 | 365.6 | 382.9 | 399.5 | 416.9 | 435.0 | 454.0 |
| 152.5° | 332.5 | 333.6 | 338.4 | 347.4 | 357.9 | 370.0 | 386.1 | 400.8 | 416.3 | 432.5 | 449.6 |
| 155°   | 344.3 | 344.3 | 349.0 | 356.9 | 364.8 | 375.9 | 389.3 | 401.9 | 414.5 | 428.0 | 442.2 |
| 157.5° | 354.7 | 354.6 | 358.3 | 365.1 | 372.0 | 380.4 | 391.9 | 402.7 | 412.5 | 423.2 | 435.3 |
| 160°   | 361.6 | 360.8 | 364.1 | 369.5 | 375.9 | 382.9 | 393.2 | 402.7 | 410.6 | 420.1 | 429.6 |
| 162.5° | 367.3 | 366.6 | 369.7 | 374.6 | 379.6 | 385.5 | 394.5 | 402.0 | 408.7 | 416.3 | 424.4 |
| 165°   | 375.9 | 374.3 | 376.7 | 380.6 | 383.7 | 388.5 | 394.8 | 401.1 | 405.9 | 410.6 | 416.9 |
| 167.5° | 381.5 | 380.7 | 382.1 | 384.4 | 386.6 | 389.6 | 394.8 | 399.2 | 401.4 | 405.1 | 409.5 |
| 170°   | 385.4 | 384.6 | 385.4 | 386.9 | 388.5 | 390.8 | 394.8 | 398.0 | 399.5 | 401.9 | 405.1 |
| 172.5° | 387.9 | 386.5 | 387.2 | 388.8 | 389.7 | 390.8 | 394.2 | 396.7 | 397.0 | 398.1 | 400.6 |
| 175°   | 390.8 | 389.3 | 390.1 | 390.8 | 390.8 | 390.8 | 393.2 | 394.8 | 394.0 | 394.0 | 394.8 |
| 177.5° | 392.2 | 391.0 | 391.0 | 391.6 | 391.0 | 391.0 | 392.2 | 392.9 | 391.6 | 391.6 | 392.2 |
| 180°   | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 | 1606.0 |
| 2.5°   | 1602.4 | 1604.3 | 1606.3 | 1607.1 | 1606.8 | 1606.6 | 1606.3 | 1606.0 |
| 5°     | 1597.4 | 1600.2 | 1603.1 | 1604.3 | 1603.9 | 1603.6 | 1603.2 | 1602.9 |
| 7.5°   | 1584.1 | 1586.6 | 1589.0 | 1590.0 | 1589.7 | 1589.3 | 1589.0 | 1588.6 |
| 10°    | 1571.6 | 1574.0 | 1576.4 | 1577.5 | 1577.1 | 1576.8 | 1576.4 | 1576.1 |
| 12.5°  | 1556.5 | 1558.4 | 1560.3 | 1560.8 | 1559.9 | 1559.0 | 1558.1 | 1557.2 |
| 15°    | 1528.3 | 1530.5 | 1532.5 | 1532.9 | 1531.5 | 1530.0 | 1528.6 | 1527.2 |
| 17.5°  | 1492.4 | 1494.0 | 1495.6 | 1496.0 | 1495.1 | 1494.3 | 1493.5 | 1492.6 |
| 20°    | 1464.8 | 1465.8 | 1466.9 | 1467.4 | 1467.4 | 1467.4 | 1467.4 | 1467.4 |
| 22.5°  | 1436.4 | 1437.7 | 1439.1 | 1439.3 | 1438.5 | 1437.6 | 1436.7 | 1435.9 |
| 25°    | 1391.5 | 1392.9 | 1394.3 | 1394.1 | 1392.4 | 1390.6 | 1388.9 | 1387.2 |
| 27.5°  | 1339.4 | 1340.3 | 1341.3 | 1341.5 | 1340.8 | 1340.2 | 1339.6 | 1339.0 |
| 30°    | 1303.5 | 1304.2 | 1304.9 | 1305.0 | 1304.7 | 1304.3 | 1304.0 | 1303.6 |
| 32.5°  | 1269.5 | 1270.2 | 1270.9 | 1271.1 | 1270.7 | 1270.4 | 1270.0 | 1269.7 |
| 35°    | 1214.5 | 1215.5 | 1216.6 | 1217.1 | 1217.1 | 1217.1 | 1217.1 | 1217.1 |
| 37.5°  | 1156.6 | 1158.0 | 1159.4 | 1160.0 | 1159.8 | 1159.7 | 1159.6 | 1159.4 |
| 40°    | 1117.5 | 1118.9 | 1120.3 | 1121.4 | 1122.1 | 1122.8 | 1123.5 | 1124.2 |
| 42.5°  | 1081.6 | 1083.3 | 1084.9 | 1085.8 | 1086.0 | 1086.1 | 1086.3 | 1086.4 |
| 45°    | 1023.6 | 1026.0 | 1028.4 | 1029.9 | 1030.3 | 1030.6 | 1031.0 | 1031.3 |
| 47.5°  | 963.8  | 967.3  | 971.0  | 973.1  | 973.9  | 974.6  | 975.4  | 976.2  |
| 50°    | 924.0  | 927.9  | 931.8  | 934.2  | 935.2  | 936.3  | 937.4  | 938.4  |
| 52.5°  | 884.3  | 888.5  | 892.5  | 895.0  | 895.8  | 896.6  | 897.4  | 898.1  |
| 55°    | 821.7  | 825.6  | 829.4  | 832.0  | 833.4  | 834.9  | 836.3  | 837.7  |
| 57.5°  | 759.8  | 764.3  | 768.7  | 771.4  | 772.4  | 773.5  | 774.6  | 775.6  |
| 60°    | 717.4  | 722.7  | 727.9  | 731.0  | 732.2  | 733.2  | 734.3  | 735.3  |
| 62.5°  | 674.5  | 680.2  | 686.1  | 689.6  | 690.9  | 692.4  | 693.7  | 695.0  |
| 65°    | 610.4  | 615.6  | 620.9  | 624.2  | 625.6  | 627.0  | 628.4  | 629.8  |
| 67.5°  | 544.6  | 551.0  | 557.3  | 561.4  | 563.2  | 565.0  | 566.9  | 568.8  |
| 70°    | 499.8  | 506.4  | 513.1  | 517.5  | 519.6  | 521.7  | 523.8  | 525.8  |
| 72.5°  | 458.1  | 465.3  | 472.5  | 476.9  | 478.5  | 480.0  | 481.5  | 483.0  |
| 75°    | 395.1  | 402.0  | 409.0  | 413.4  | 415.2  | 416.9  | 418.7  | 420.4  |
| 77.5°  | 331.8  | 339.5  | 347.3  | 351.8  | 353.3  | 354.6  | 356.0  | 357.4  |
| 80°    | 294.1  | 301.7  | 309.5  | 314.1  | 315.4  | 316.8  | 318.2  | 319.6  |
| 82.5°  | 258.2  | 265.7  | 273.1  | 278.0  | 280.5  | 283.1  | 285.6  | 288.1  |
| 85°    | 209.0  | 216.7  | 224.5  | 229.7  | 232.5  | 235.3  | 238.1  | 240.9  |
| 87.5°  | 172.0  | 180.2  | 188.3  | 194.0  | 196.4  | 198.8  | 201.5  | 203.9  |
| 90°    | 159.5  | 168.2  | 177.1  | 183.9  | 186.3  | 188.8  | 192.1  | 194.5  |
| 92.5°  | 279.5  | 248.9  | 231.6  | 225.0  | 217.3  | 217.9  | 219.2  | 220.5  |
| 95°    | 698.0  | 585.7  | 496.3  | 435.0  | 381.4  | 360.2  | 356.4  | 346.2  |
| 97.5°  | 967.2  | 890.4  | 803.2  | 715.8  | 669.4  | 627.6  | 607.0  | 599.4  |
| 100°   | 1086.7 | 1055.3 | 981.4  | 903.9  | 851.6  | 796.8  | 769.7  | 759.2  |
| 102.5° | 1123.4 | 1154.3 | 1122.4 | 1071.4 | 1015.2 | 976.8  | 947.3  | 939.9  |
| 105°   | 1089.1 | 1204.4 | 1246.1 | 1242.1 | 1219.3 | 1195.7 | 1182.3 | 1175.4 |
| 107.5° | 992.4  | 1143.7 | 1239.8 | 1285.6 | 1300.6 | 1302.6 | 1299.5 | 1295.4 |
| 110°   | 921.1  | 1077.8 | 1195.8 | 1267.5 | 1305.5 | 1322.9 | 1330.9 | 1333.3 |





TEST NUMBER: P333318-840

CATALOG NUMBER: S125DIP-S1270D810U840-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 863.7 | 1012.5 | 1131.6 | 1215.1 | 1269.4 | 1297.7 | 1313.8 | 1321.9 |
| 115°   | 790.9 | 919.7  | 1034.1 | 1124.4 | 1188.1 | 1228.1 | 1252.3 | 1264.7 |
| 117.5° | 740.7 | 852.1  | 951.3  | 1034.4 | 1098.3 | 1139.9 | 1164.3 | 1173.0 |
| 120°   | 713.0 | 813.6  | 906.5  | 980.0  | 1040.5 | 1080.5 | 1103.9 | 1112.3 |
| 122.5° | 690.2 | 783.8  | 866.8  | 935.7  | 990.0  | 1026.8 | 1050.3 | 1058.0 |
| 125°   | 657.8 | 743.9  | 818.2  | 878.7  | 924.7  | 958.9  | 978.0  | 987.5  |
| 127.5° | 624.4 | 704.8  | 774.1  | 830.9  | 873.0  | 903.6  | 922.1  | 927.6  |
| 130°   | 604.3 | 678.6  | 745.2  | 799.8  | 841.0  | 868.9  | 886.4  | 892.9  |
| 132.5° | 583.5 | 653.4  | 714.3  | 766.9  | 807.8  | 835.4  | 851.3  | 858.2  |
| 135°   | 554.7 | 613.7  | 668.8  | 716.9  | 753.5  | 781.2  | 797.2  | 803.7  |
| 137.5° | 530.8 | 579.0  | 625.1  | 666.1  | 698.6  | 723.7  | 738.2  | 744.8  |
| 140°   | 516.9 | 558.0  | 598.1  | 633.9  | 664.5  | 686.4  | 699.7  | 705.1  |
| 142.5° | 505.1 | 539.9  | 574.4  | 605.5  | 631.7  | 650.5  | 663.1  | 667.8  |
| 145°   | 490.7 | 516.9  | 543.1  | 566.0  | 586.4  | 601.2  | 611.3  | 615.8  |
| 147.5° | 478.2 | 498.7  | 518.1  | 534.7  | 550.4  | 561.7  | 567.4  | 569.5  |
| 150°   | 471.4 | 488.8  | 503.7  | 518.2  | 530.4  | 540.2  | 543.7  | 544.8  |
| 152.5° | 465.0 | 480.6  | 494.3  | 505.3  | 515.4  | 523.0  | 526.2  | 527.1  |
| 155°   | 455.7 | 468.3  | 479.3  | 488.0  | 495.8  | 501.4  | 503.7  | 504.5  |
| 157.5° | 446.2 | 456.6  | 465.0  | 471.9  | 478.1  | 482.6  | 484.8  | 484.6  |
| 160°   | 439.8 | 447.7  | 455.7  | 461.1  | 466.7  | 470.6  | 472.2  | 471.4  |
| 162.5° | 432.8 | 440.1  | 446.8  | 451.6  | 456.0  | 459.2  | 459.6  | 459.4  |
| 165°   | 423.2 | 428.8  | 433.5  | 437.5  | 440.6  | 442.2  | 442.2  | 442.2  |
| 167.5° | 414.0 | 417.7  | 421.3  | 424.1  | 425.8  | 427.2  | 426.6  | 426.4  |
| 170°   | 409.0 | 411.4  | 413.7  | 415.4  | 416.9  | 417.7  | 417.7  | 416.9  |
| 172.5° | 403.3 | 405.7  | 407.5  | 408.4  | 408.7  | 410.1  | 408.9  | 408.1  |
| 175°   | 397.2 | 397.2  | 398.8  | 398.8  | 398.8  | 399.5  | 398.0  | 397.2  |
| 177.5° | 392.9 | 393.5  | 393.5  | 393.5  | 392.9  | 393.5  | 391.6  | 391.6  |
| 180°   | 391.6 | 391.6  | 391.6  | 391.6  | 391.6  | 391.6  | 391.6  | 391.6  |

(END OF REPORT)