

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: P333719-930

Luminaire Tested: **S125RDIW-S1090D1560U930-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333719-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S1090D1560U930-4F0-1E-UDD-F1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7855.1 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: General Diffuse

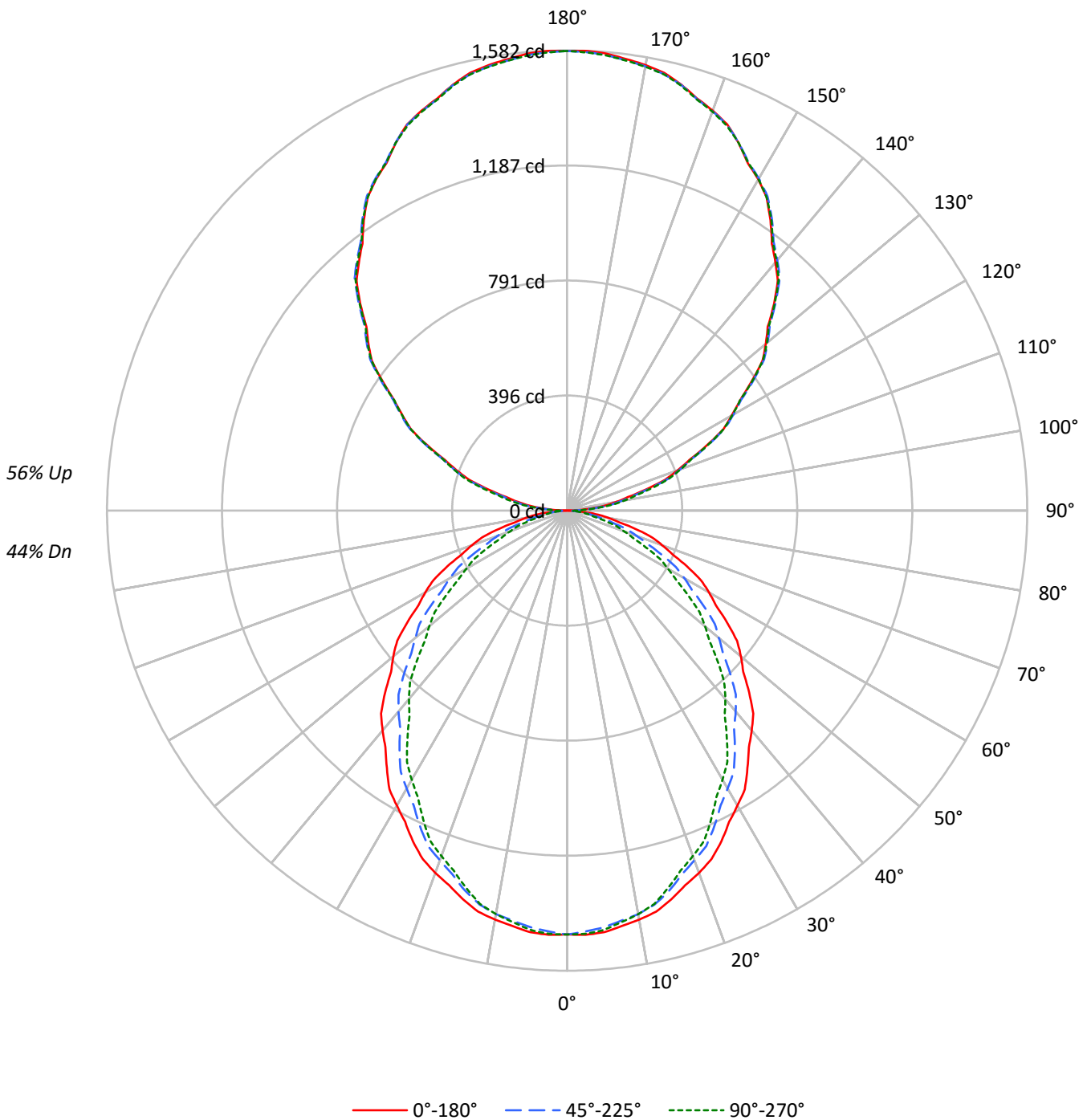
Input Watts (W): 76.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





TEST NUMBER: P333719-930

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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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 50 | 50 | 50 | 44 |
| 1   | 97  | 92  | 89  | 85  | 88 | 85 | 81 | 79 | 70 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 37 |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 32 |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 55 | 50 | 46 | 45 | 41 | 39 | 35 | 33 | 31 | 27 |
| 4   | 74  | 63  | 55  | 49  | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 | 20 |
| 6   | 62  | 50  | 43  | 37  | 57 | 47 | 40 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |
| 7   | 58  | 46  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 25 | 22 | 24 | 21 | 19 | 16 |
| 8   | 53  | 41  | 34  | 29  | 49 | 38 | 32 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |
| 9   | 50  | 38  | 30  | 25  | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10  | 46  | 35  | 28  | 23  | 43 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 9412 | 9412 | 9412 |
| 5°  | 9433 | 9326 | 9383 |
| 10° | 9362 | 9239 | 9239 |
| 15° | 9250 | 9052 | 8978 |
| 20° | 9108 | 8790 | 8685 |
| 25° | 8941 | 8533 | 8345 |
| 30° | 8733 | 8232 | 7970 |
| 35° | 8521 | 7923 | 7550 |
| 40° | 8323 | 7599 | 7136 |
| 45° | 8082 | 7238 | 6685 |
| 50° | 7840 | 6845 | 6215 |
| 55° | 7560 | 6469 | 5713 |
| 60° | 7279 | 6013 | 5174 |
| 65° | 6946 | 5483 | 4557 |
| 70° | 6567 | 4823 | 3928 |
| 75° | 6041 | 4065 | 3266 |
| 80° | 5322 | 3195 | 2741 |
| 85° | 4483 | 2608 | 2445 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 137.0  | 1.7       |
| 10°-20°   | 382.9  | 4.9       |
| 20°-30°   | 555.3  | 7.1       |
| 30°-40°   | 632.9  | 8.1       |
| 40°-50°   | 616.9  | 7.9       |
| 50°-60°   | 519.3  | 6.6       |
| 60°-70°   | 364.0  | 4.6       |
| 70°-80°   | 187.1  | 2.4       |
| 80°-90°   | 50.7   | 0.6       |
| 90°-100°  | 105.8  | 1.3       |
| 100°-110° | 312.5  | 4.0       |
| 110°-120° | 529.3  | 6.7       |
| 120°-130° | 696.6  | 8.9       |
| 130°-140° | 780.6  | 9.9       |
| 140°-150° | 765.0  | 9.7       |
| 150°-160° | 642.6  | 8.2       |
| 160°-170° | 427.1  | 5.4       |
| 170°-180° | 149.5  | 1.9       |
| 0°-30°    | 1075.3 | 13.7      |
| 0°-40°    | 1708.1 | 21.7      |
| 0°-60°    | 2844.3 | 36.2      |
| 0°-90°    | 3446.1 | 43.9      |
| 90°-120°  | 947.6  | 12.1      |
| 90°-150°  | 3189.8 | 40.6      |
| 90°-180°  | 4409.0 | 56.1      |
| 0°-180°   | 7855.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1457 | 1457  | 1457 | 1457  | 1457 |      |
| 5°   | 1455 | 1450  | 1438 | 1449  | 1447 | 138  |
| 15°  | 1384 | 1376  | 1354 | 1352  | 1343 | 390  |
| 25°  | 1255 | 1237  | 1198 | 1183  | 1171 | 577  |
| 35°  | 1081 | 1053  | 1005 | 974   | 958  | 676  |
| 45°  | 885  | 851   | 792  | 750   | 732  | 682  |
| 55°  | 671  | 635   | 574  | 527   | 507  | 600  |
| 65°  | 454  | 416   | 359  | 316   | 298  | 450  |
| 75°  | 242  | 208   | 163  | 140   | 131  | 256  |
| 85°  | 60   | 42    | 35   | 34    | 33   | 68   |
| 90°  | 1    | 11    | 20   | 26    | 30   | 7    |
| 95°  | 80   | 83    | 95   | 103   | 106  | 85   |
| 105° | 280  | 287   | 294  | 301   | 305  | 299  |
| 115° | 530  | 535   | 537  | 536   | 535  | 524  |
| 125° | 773  | 780   | 782  | 780   | 778  | 692  |
| 135° | 1006 | 1013  | 1014 | 1014  | 1010 | 775  |
| 145° | 1218 | 1223  | 1227 | 1227  | 1223 | 761  |
| 155° | 1394 | 1394  | 1396 | 1400  | 1394 | 642  |
| 165° | 1516 | 1514  | 1515 | 1519  | 1512 | 428  |
| 175° | 1576 | 1572  | 1571 | 1578  | 1570 | 150  |
| 180° | 1580 | 1580  | 1580 | 1580  | 1580 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 |
| 2.5°   | 1459.9 | 1459.3 | 1458.7 | 1458.1 | 1457.5 | 1456.3 | 1454.3 | 1452.4 | 1450.4 | 1448.5 | 1450.4 |
| 5°     | 1455.1 | 1454.1 | 1453.1 | 1452.1 | 1451.2 | 1449.3 | 1446.6 | 1443.9 | 1441.2 | 1438.5 | 1441.0 |
| 7.5°   | 1440.7 | 1439.8 | 1438.8 | 1437.9 | 1437.0 | 1434.9 | 1431.7 | 1428.5 | 1425.2 | 1422.0 | 1423.8 |
| 10°    | 1427.5 | 1426.8 | 1426.0 | 1425.3 | 1424.6 | 1422.5 | 1419.1 | 1415.7 | 1412.3 | 1408.8 | 1409.6 |
| 12.5°  | 1412.5 | 1411.6 | 1410.7 | 1409.7 | 1408.8 | 1406.1 | 1401.5 | 1396.9 | 1392.3 | 1387.6 | 1388.2 |
| 15°    | 1383.5 | 1382.0 | 1380.5 | 1379.1 | 1377.6 | 1374.4 | 1369.2 | 1364.1 | 1358.9 | 1353.8 | 1353.6 |
| 17.5°  | 1350.7 | 1348.4 | 1346.2 | 1343.9 | 1341.7 | 1337.3 | 1330.9 | 1324.5 | 1317.9 | 1311.5 | 1310.3 |
| 20°    | 1325.2 | 1322.7 | 1320.3 | 1317.8 | 1315.4 | 1310.3 | 1302.4 | 1294.6 | 1286.8 | 1279.0 | 1277.7 |
| 22.5°  | 1297.0 | 1294.5 | 1292.1 | 1289.6 | 1287.2 | 1281.9 | 1273.7 | 1265.4 | 1257.2 | 1249.0 | 1246.6 |
| 25°    | 1254.7 | 1251.1 | 1247.4 | 1243.7 | 1240.1 | 1233.7 | 1224.7 | 1215.6 | 1206.6 | 1197.5 | 1194.3 |
| 27.5°  | 1206.3 | 1201.8 | 1197.3 | 1192.9 | 1188.5 | 1181.5 | 1171.7 | 1162.0 | 1152.3 | 1142.6 | 1138.2 |
| 30°    | 1171.1 | 1166.4 | 1161.8 | 1157.2 | 1152.5 | 1145.0 | 1134.7 | 1124.5 | 1114.2 | 1103.9 | 1098.3 |
| 32.5°  | 1136.7 | 1131.3 | 1125.8 | 1120.5 | 1115.0 | 1107.1 | 1096.6 | 1086.1 | 1075.6 | 1065.2 | 1059.0 |
| 35°    | 1080.8 | 1075.0 | 1069.1 | 1063.2 | 1057.4 | 1048.9 | 1037.9 | 1026.9 | 1015.9 | 1004.9 | 997.8  |
| 37.5°  | 1026.0 | 1018.9 | 1011.7 | 1004.6 | 997.4  | 988.2  | 976.8  | 965.5  | 954.1  | 942.8  | 934.3  |
| 40°    | 987.2  | 979.9  | 972.6  | 965.2  | 957.9  | 948.4  | 936.6  | 924.9  | 913.1  | 901.4  | 892.1  |
| 42.5°  | 946.7  | 939.2  | 931.7  | 924.1  | 916.6  | 906.8  | 894.6  | 882.6  | 870.4  | 858.3  | 849.4  |
| 45°    | 884.9  | 877.8  | 870.7  | 863.6  | 856.6  | 846.3  | 832.8  | 819.4  | 805.9  | 792.5  | 782.7  |
| 47.5°  | 820.8  | 813.3  | 805.8  | 798.4  | 790.9  | 780.4  | 766.9  | 753.3  | 739.7  | 726.2  | 716.1  |
| 50°    | 780.3  | 772.3  | 764.2  | 756.1  | 748.0  | 737.0  | 723.1  | 709.1  | 695.2  | 681.3  | 671.0  |
| 52.5°  | 736.3  | 728.1  | 719.7  | 711.5  | 703.3  | 692.5  | 679.4  | 666.2  | 653.1  | 639.9  | 628.8  |
| 55°    | 671.4  | 663.6  | 655.7  | 647.9  | 640.1  | 629.3  | 615.6  | 601.9  | 588.2  | 574.5  | 563.5  |
| 57.5°  | 605.8  | 597.5  | 589.1  | 580.7  | 572.3  | 561.6  | 548.4  | 535.2  | 522.0  | 508.7  | 498.0  |
| 60°    | 563.5  | 555.0  | 546.4  | 537.9  | 529.3  | 518.4  | 505.2  | 492.0  | 478.7  | 465.5  | 454.8  |
| 62.5°  | 518.6  | 510.5  | 502.3  | 494.1  | 485.9  | 475.2  | 461.8  | 448.3  | 435.0  | 421.5  | 411.6  |
| 65°    | 454.5  | 446.2  | 437.9  | 429.6  | 421.3  | 410.7  | 397.7  | 384.7  | 371.8  | 358.8  | 349.0  |
| 67.5°  | 390.9  | 382.6  | 374.3  | 366.0  | 357.7  | 347.3  | 334.8  | 322.5  | 310.1  | 297.6  | 288.7  |
| 70°    | 347.8  | 339.5  | 331.2  | 322.9  | 314.5  | 304.3  | 292.0  | 279.8  | 267.6  | 255.4  | 247.8  |
| 72.5°  | 305.6  | 297.4  | 289.3  | 281.2  | 273.0  | 263.3  | 251.8  | 240.4  | 228.9  | 217.5  | 210.5  |
| 75°    | 242.1  | 234.8  | 227.5  | 220.1  | 212.8  | 204.0  | 193.7  | 183.4  | 173.2  | 162.9  | 157.5  |
| 77.5°  | 179.2  | 173.3  | 167.5  | 161.6  | 155.7  | 148.6  | 140.5  | 132.2  | 124.0  | 115.8  | 112.0  |
| 80°    | 143.1  | 137.2  | 131.3  | 125.5  | 119.6  | 113.2  | 106.4  | 99.5   | 92.7   | 85.9   | 83.6   |
| 82.5°  | 107.9  | 102.6  | 97.3   | 92.0   | 86.7   | 81.8   | 77.0   | 72.3   | 67.7   | 62.9   | 62.0   |
| 85°    | 60.5   | 56.1   | 51.7   | 47.3   | 42.9   | 40.1   | 38.9   | 37.7   | 36.4   | 35.2   | 35.0   |
| 87.5°  | 20.5   | 19.6   | 18.7   | 17.7   | 16.8   | 16.4   | 16.6   | 16.8   | 17.0   | 17.1   | 17.4   |
| 90°    | 1.2    | 3.4    | 5.6    | 7.8    | 9.9    | 12.0   | 13.9   | 15.8   | 17.8   | 19.6   | 21.0   |
| 92.5°  | 29.8   | 31.3   | 32.9   | 34.3   | 35.9   | 37.8   | 40.2   | 42.5   | 44.8   | 47.2   | 49.0   |
| 95°    | 79.9   | 80.5   | 81.0   | 81.5   | 82.1   | 83.7   | 86.5   | 89.2   | 92.0   | 94.7   | 96.6   |
| 97.5°  | 132.8  | 133.0  | 133.2  | 133.5  | 133.7  | 135.7  | 139.4  | 143.2  | 147.0  | 150.7  | 152.5  |
| 100°   | 172.1  | 172.1  | 172.1  | 172.1  | 172.1  | 173.9  | 177.5  | 181.0  | 184.6  | 188.1  | 190.6  |
| 102.5° | 214.4  | 215.6  | 216.6  | 217.7  | 218.8  | 220.3  | 222.1  | 223.9  | 225.7  | 227.5  | 230.2  |
| 105°   | 280.4  | 281.7  | 283.1  | 284.5  | 285.8  | 287.3  | 288.9  | 290.6  | 292.2  | 293.9  | 295.5  |
| 107.5° | 353.1  | 354.5  | 355.9  | 357.3  | 358.6  | 360.0  | 361.2  | 362.4  | 363.7  | 364.9  | 365.7  |
| 110°   | 403.3  | 404.7  | 406.0  | 407.4  | 408.8  | 409.9  | 410.7  | 411.5  | 412.3  | 413.1  | 413.9  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 454.4  | 455.2  | 455.9  | 456.6  | 457.3  | 458.2  | 459.2  | 460.2  | 461.3  | 462.4  | 462.7  |
| 115°   | 529.9  | 531.1  | 532.1  | 533.2  | 534.3  | 535.2  | 535.7  | 536.2  | 536.8  | 537.4  | 537.0  |
| 117.5° | 605.7  | 606.2  | 606.7  | 607.2  | 607.6  | 608.1  | 608.6  | 609.1  | 609.6  | 610.2  | 610.3  |
| 120°   | 652.9  | 654.3  | 655.7  | 657.0  | 658.4  | 659.2  | 659.5  | 659.7  | 660.0  | 660.3  | 660.3  |
| 122.5° | 704.1  | 704.6  | 705.1  | 705.6  | 706.0  | 706.6  | 707.4  | 708.1  | 708.7  | 709.5  | 709.2  |
| 125°   | 773.4  | 775.0  | 776.7  | 778.4  | 780.0  | 781.0  | 781.2  | 781.5  | 781.8  | 782.0  | 781.5  |
| 127.5° | 847.2  | 848.2  | 849.1  | 849.9  | 850.9  | 851.6  | 851.9  | 852.2  | 852.6  | 852.9  | 852.6  |
| 130°   | 891.4  | 892.8  | 894.2  | 895.5  | 896.9  | 897.9  | 898.5  | 898.9  | 899.5  | 900.1  | 899.8  |
| 132.5° | 935.7  | 938.0  | 940.2  | 942.5  | 944.7  | 945.7  | 945.7  | 945.5  | 945.4  | 945.3  | 945.0  |
| 135°   | 1005.8 | 1007.5 | 1009.1 | 1010.7 | 1012.4 | 1013.3 | 1013.6 | 1013.9 | 1014.2 | 1014.4 | 1014.4 |
| 137.5° | 1071.7 | 1073.3 | 1074.9 | 1076.4 | 1078.1 | 1079.1 | 1079.8 | 1080.4 | 1080.9 | 1081.6 | 1081.9 |
| 140°   | 1114.0 | 1115.4 | 1116.7 | 1118.1 | 1119.5 | 1120.5 | 1121.4 | 1122.3 | 1123.1 | 1123.9 | 1124.4 |
| 142.5° | 1156.3 | 1157.5 | 1158.6 | 1159.8 | 1160.9 | 1162.0 | 1163.0 | 1164.1 | 1165.1 | 1166.1 | 1166.4 |
| 145°   | 1218.5 | 1219.6 | 1220.7 | 1221.8 | 1222.9 | 1223.8 | 1224.7 | 1225.5 | 1226.3 | 1227.1 | 1227.1 |
| 147.5° | 1276.1 | 1276.7 | 1277.2 | 1277.9 | 1278.5 | 1279.1 | 1279.8 | 1280.4 | 1281.1 | 1281.7 | 1282.4 |
| 150°   | 1314.4 | 1314.2 | 1313.9 | 1313.6 | 1313.4 | 1313.8 | 1314.8 | 1316.0 | 1317.0 | 1318.2 | 1318.2 |
| 152.5° | 1345.9 | 1346.3 | 1346.7 | 1347.0 | 1347.4 | 1347.9 | 1348.3 | 1348.7 | 1349.2 | 1349.6 | 1350.3 |
| 155°   | 1394.4 | 1394.4 | 1394.4 | 1394.4 | 1394.4 | 1394.5 | 1394.8 | 1395.1 | 1395.3 | 1395.6 | 1396.7 |
| 157.5° | 1437.6 | 1437.0 | 1436.5 | 1435.8 | 1435.3 | 1435.1 | 1435.3 | 1435.7 | 1435.9 | 1436.1 | 1437.3 |
| 160°   | 1463.2 | 1462.4 | 1461.6 | 1460.8 | 1460.0 | 1459.7 | 1460.0 | 1460.2 | 1460.5 | 1460.8 | 1461.8 |
| 162.5° | 1485.9 | 1485.2 | 1484.7 | 1484.1 | 1483.4 | 1483.2 | 1483.2 | 1483.3 | 1483.4 | 1483.4 | 1484.7 |
| 165°   | 1516.1 | 1515.6 | 1515.0 | 1514.5 | 1513.9 | 1513.8 | 1514.1 | 1514.3 | 1514.6 | 1514.9 | 1516.0 |
| 167.5° | 1541.6 | 1540.6 | 1539.5 | 1538.4 | 1537.3 | 1536.8 | 1536.8 | 1536.8 | 1536.8 | 1536.8 | 1538.4 |
| 170°   | 1555.4 | 1554.4 | 1553.2 | 1552.2 | 1551.1 | 1550.5 | 1550.5 | 1550.5 | 1550.5 | 1550.5 | 1552.2 |
| 172.5° | 1565.3 | 1564.2 | 1563.1 | 1562.0 | 1560.9 | 1560.4 | 1560.4 | 1560.4 | 1560.4 | 1560.4 | 1562.0 |
| 175°   | 1576.4 | 1575.2 | 1574.2 | 1573.0 | 1572.0 | 1571.4 | 1571.4 | 1571.4 | 1571.4 | 1571.4 | 1573.0 |
| 177.5° | 1582.0 | 1581.1 | 1580.3 | 1579.4 | 1578.5 | 1577.9 | 1577.8 | 1577.5 | 1577.3 | 1577.1 | 1578.4 |
| 180°   | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 | 1457.3 |
| 2.5°   | 1452.4 | 1454.3 | 1456.3 | 1457.1 | 1456.9 | 1456.8 | 1456.5 | 1456.4 |
| 5°     | 1443.4 | 1445.9 | 1448.3 | 1449.3 | 1448.8 | 1448.3 | 1447.8 | 1447.3 |
| 7.5°   | 1425.5 | 1427.2 | 1428.9 | 1429.5 | 1428.9 | 1428.4 | 1427.8 | 1427.3 |
| 10°    | 1410.3 | 1411.0 | 1411.8 | 1411.8 | 1411.0 | 1410.3 | 1409.6 | 1408.8 |
| 12.5°  | 1388.8 | 1389.3 | 1389.8 | 1389.5 | 1388.4 | 1387.3 | 1386.2 | 1385.0 |
| 15°    | 1353.3 | 1353.1 | 1352.8 | 1351.6 | 1349.4 | 1347.2 | 1345.0 | 1342.8 |
| 17.5°  | 1309.0 | 1307.8 | 1306.6 | 1305.1 | 1303.3 | 1301.5 | 1299.7 | 1297.9 |
| 20°    | 1276.5 | 1275.3 | 1274.1 | 1272.4 | 1270.2 | 1268.0 | 1265.8 | 1263.6 |
| 22.5°  | 1244.2 | 1241.8 | 1239.4 | 1237.3 | 1235.5 | 1233.7 | 1231.8 | 1230.0 |
| 25°    | 1191.2 | 1188.0 | 1184.8 | 1181.9 | 1179.2 | 1176.5 | 1173.8 | 1171.1 |
| 27.5°  | 1133.8 | 1129.4 | 1124.9 | 1121.4 | 1118.8 | 1116.1 | 1113.5 | 1111.0 |
| 30°    | 1092.7 | 1087.0 | 1081.4 | 1077.5 | 1075.3 | 1073.1 | 1070.9 | 1068.7 |
| 32.5°  | 1052.8 | 1046.5 | 1040.3 | 1035.8 | 1033.1 | 1030.3 | 1027.4 | 1024.7 |
| 35°    | 990.7  | 983.6  | 976.5  | 971.3  | 967.8  | 964.4  | 961.0  | 957.6  |
| 37.5°  | 925.8  | 917.3  | 908.7  | 902.9  | 899.5  | 896.2  | 892.8  | 889.5  |
| 40°    | 882.8  | 873.5  | 864.2  | 858.1  | 855.2  | 852.2  | 849.3  | 846.4  |
| 42.5°  | 840.5  | 831.5  | 822.6  | 816.0  | 811.7  | 807.5  | 803.2  | 798.8  |
| 45°    | 772.9  | 763.1  | 753.3  | 746.6  | 742.9  | 739.2  | 735.6  | 731.9  |
| 47.5°  | 706.0  | 695.9  | 685.9  | 678.8  | 674.7  | 670.7  | 666.7  | 662.6  |
| 50°    | 660.7  | 650.4  | 640.2  | 633.2  | 629.6  | 625.9  | 622.2  | 618.6  |
| 52.5°  | 617.8  | 606.7  | 595.7  | 588.3  | 584.7  | 581.0  | 577.3  | 573.6  |
| 55°    | 552.5  | 541.5  | 530.5  | 523.0  | 519.1  | 515.2  | 511.3  | 507.4  |
| 57.5°  | 487.2  | 476.5  | 465.7  | 458.5  | 455.1  | 451.6  | 448.1  | 444.7  |
| 60°    | 444.0  | 433.3  | 422.5  | 415.3  | 411.6  | 408.0  | 404.3  | 400.6  |
| 62.5°  | 401.6  | 391.6  | 381.6  | 374.8  | 371.1  | 367.5  | 363.8  | 360.1  |
| 65°    | 339.2  | 329.5  | 319.7  | 312.9  | 309.2  | 305.6  | 301.9  | 298.2  |
| 67.5°  | 279.7  | 270.8  | 261.8  | 255.8  | 252.9  | 250.0  | 247.0  | 244.1  |
| 70°    | 240.2  | 232.6  | 225.0  | 219.7  | 216.8  | 213.9  | 210.9  | 208.0  |
| 72.5°  | 203.5  | 196.5  | 189.5  | 185.0  | 183.0  | 181.1  | 179.1  | 177.2  |
| 75°    | 152.1  | 146.8  | 141.4  | 137.8  | 136.1  | 134.4  | 132.6  | 130.9  |
| 77.5°  | 108.3  | 104.5  | 100.7  | 98.2   | 96.9   | 95.6   | 94.4   | 93.1   |
| 80°    | 81.4   | 79.2   | 77.0   | 75.7   | 75.2   | 74.7   | 74.2   | 73.7   |
| 82.5°  | 60.9   | 59.8   | 58.9   | 58.2   | 57.9   | 57.6   | 57.3   | 57.0   |
| 85°    | 34.7   | 34.5   | 34.2   | 34.0   | 33.8   | 33.5   | 33.3   | 33.0   |
| 87.5°  | 17.7   | 17.9   | 18.3   | 18.3   | 18.3   | 18.3   | 18.3   | 18.3   |
| 90°    | 22.4   | 23.8   | 25.1   | 26.3   | 27.1   | 27.9   | 28.7   | 29.5   |
| 92.5°  | 50.8   | 52.6   | 54.5   | 55.6   | 56.3   | 56.8   | 57.4   | 58.0   |
| 95°    | 98.5   | 100.4  | 102.3  | 103.5  | 104.1  | 104.7  | 105.2  | 105.7  |
| 97.5°  | 154.3  | 156.1  | 157.9  | 159.1  | 159.4  | 159.7  | 160.0  | 160.4  |
| 100°   | 193.1  | 195.5  | 198.0  | 199.5  | 200.0  | 200.6  | 201.1  | 201.6  |
| 102.5° | 232.8  | 235.5  | 238.1  | 239.9  | 240.7  | 241.4  | 242.2  | 243.0  |
| 105°   | 297.2  | 298.8  | 300.4  | 301.7  | 302.5  | 303.3  | 304.1  | 304.9  |
| 107.5° | 366.6  | 367.4  | 368.2  | 368.6  | 368.5  | 368.5  | 368.4  | 368.4  |
| 110°   | 414.8  | 415.6  | 416.5  | 416.7  | 416.5  | 416.1  | 415.9  | 415.6  |





TEST NUMBER: P333719-930

CATALOG NUMBER: S125RDIW-S1090D1560U930-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 463.1  | 463.5  | 463.8  | 463.8  | 463.3  | 462.8  | 462.4  | 461.9  |
| 115°   | 536.8  | 536.5  | 536.2  | 536.0  | 535.7  | 535.4  | 535.2  | 534.9  |
| 117.5° | 610.6  | 610.8  | 611.0  | 610.6  | 609.4  | 608.4  | 607.3  | 606.2  |
| 120°   | 660.3  | 660.3  | 660.3  | 659.7  | 658.7  | 657.5  | 656.5  | 655.4  |
| 122.5° | 709.1  | 708.8  | 708.6  | 708.1  | 707.2  | 706.3  | 705.4  | 704.6  |
| 125°   | 781.0  | 780.4  | 779.8  | 779.4  | 779.2  | 778.9  | 778.6  | 778.4  |
| 127.5° | 852.3  | 852.1  | 851.7  | 851.3  | 850.8  | 850.3  | 849.7  | 849.1  |
| 130°   | 899.5  | 899.3  | 898.9  | 898.5  | 898.1  | 897.5  | 896.9  | 896.4  |
| 132.5° | 944.8  | 944.5  | 944.2  | 943.7  | 943.0  | 942.2  | 941.4  | 940.6  |
| 135°   | 1014.4 | 1014.4 | 1014.4 | 1013.9 | 1012.8 | 1011.7 | 1010.6 | 1009.5 |
| 137.5° | 1082.2 | 1082.6 | 1082.9 | 1082.4 | 1081.0 | 1079.6 | 1078.2 | 1076.8 |
| 140°   | 1124.9 | 1125.5 | 1126.0 | 1125.6 | 1124.3 | 1122.9 | 1121.5 | 1120.1 |
| 142.5° | 1166.8 | 1167.1 | 1167.5 | 1166.9 | 1165.6 | 1164.2 | 1162.9 | 1161.5 |
| 145°   | 1227.1 | 1227.1 | 1227.1 | 1226.7 | 1225.9 | 1225.1 | 1224.3 | 1223.4 |
| 147.5° | 1283.0 | 1283.7 | 1284.3 | 1283.8 | 1281.9 | 1280.0 | 1278.2 | 1276.4 |
| 150°   | 1318.2 | 1318.2 | 1318.2 | 1317.8 | 1317.3 | 1316.8 | 1316.2 | 1315.6 |
| 152.5° | 1351.0 | 1351.6 | 1352.3 | 1352.1 | 1351.1 | 1350.1 | 1349.2 | 1348.2 |
| 155°   | 1397.7 | 1398.9 | 1400.0 | 1399.9 | 1398.5 | 1397.1 | 1395.7 | 1394.4 |
| 157.5° | 1438.4 | 1439.5 | 1440.6 | 1440.2 | 1438.4 | 1436.6 | 1434.8 | 1433.0 |
| 160°   | 1463.0 | 1464.0 | 1465.2 | 1465.0 | 1463.6 | 1462.2 | 1460.9 | 1459.5 |
| 162.5° | 1486.0 | 1487.4 | 1488.7 | 1488.5 | 1486.9 | 1485.3 | 1483.8 | 1482.1 |
| 165°   | 1517.0 | 1518.2 | 1519.2 | 1519.0 | 1517.4 | 1515.7 | 1514.1 | 1512.4 |
| 167.5° | 1540.0 | 1541.6 | 1543.3 | 1543.3 | 1541.6 | 1539.9 | 1538.2 | 1536.5 |
| 170°   | 1553.8 | 1555.4 | 1557.1 | 1557.0 | 1555.0 | 1553.1 | 1551.2 | 1549.3 |
| 172.5° | 1563.7 | 1565.3 | 1566.9 | 1566.9 | 1565.2 | 1563.5 | 1561.8 | 1560.2 |
| 175°   | 1574.8 | 1576.4 | 1578.0 | 1577.8 | 1576.0 | 1574.0 | 1572.1 | 1570.2 |
| 177.5° | 1579.7 | 1581.0 | 1582.3 | 1582.3 | 1580.7 | 1579.2 | 1577.6 | 1576.1 |
| 180°   | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 | 1580.1 |

(END OF REPORT)