

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: P333312-927

Luminaire Tested: **S125DIP-S1270D590U927-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333312-927
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-S1270D590U927-4F0-1E-UDD-F4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5744.5 lumens
Efficiency: N/A
Efficacy: 104.3 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-Direct

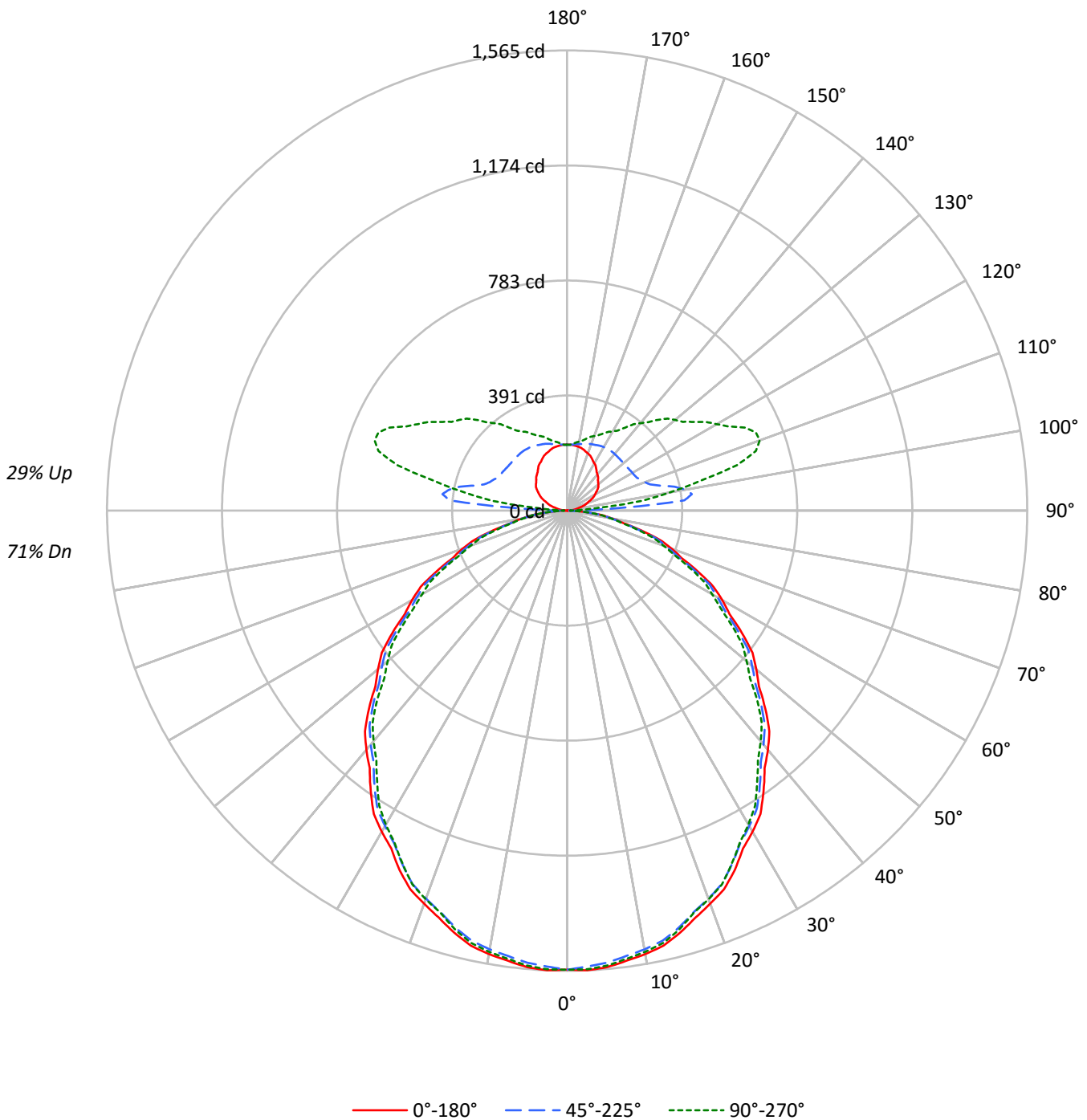
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333312-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P333312-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-F4

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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 85 | 85 | 85 | 75 | 75 | 75 | 71 |
| 1 | 102 | 98 | 94 | 90 | 97 | 93 | 89 | 86 | 83 | 80 | 78 | 74 | 72 | 70 | 66 | 65 | 63 | 59 |
| 2 | 93 | 85 | 79 | 74 | 88 | 81 | 75 | 71 | 73 | 68 | 64 | 65 | 62 | 59 | 58 | 56 | 53 | 50 |
| 3 | 85 | 75 | 67 | 61 | 80 | 71 | 64 | 59 | 64 | 59 | 54 | 58 | 53 | 50 | 52 | 48 | 45 | 42 |
| 4 | 78 | 67 | 58 | 52 | 73 | 63 | 56 | 50 | 57 | 51 | 46 | 51 | 47 | 43 | 46 | 42 | 39 | 36 |
| 5 | 72 | 59 | 51 | 45 | 67 | 57 | 49 | 43 | 51 | 45 | 40 | 46 | 41 | 37 | 42 | 37 | 34 | 31 |
| 6 | 66 | 53 | 45 | 39 | 62 | 51 | 43 | 38 | 46 | 40 | 35 | 42 | 37 | 32 | 38 | 33 | 30 | 27 |
| 7 | 61 | 48 | 40 | 34 | 58 | 46 | 39 | 33 | 42 | 36 | 31 | 38 | 33 | 29 | 35 | 30 | 27 | 24 |
| 8 | 57 | 44 | 36 | 30 | 54 | 42 | 35 | 30 | 38 | 32 | 28 | 35 | 30 | 26 | 32 | 27 | 24 | 22 |
| 9 | 53 | 40 | 33 | 27 | 50 | 39 | 31 | 26 | 35 | 29 | 25 | 32 | 27 | 23 | 29 | 25 | 22 | 20 |
| 10 | 50 | 37 | 30 | 25 | 47 | 36 | 29 | 24 | 33 | 27 | 22 | 30 | 25 | 21 | 27 | 23 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10083 | 10083 | 10083 |
| 5° | 10105 | 10009 | 10073 |
| 10° | 10044 | 9938 | 9996 |
| 15° | 9934 | 9819 | 9860 |
| 20° | 9779 | 9652 | 9669 |
| 25° | 9612 | 9453 | 9443 |
| 30° | 9405 | 9238 | 9192 |
| 35° | 9183 | 9008 | 8881 |
| 40° | 8955 | 8757 | 8632 |
| 45° | 8709 | 8528 | 8359 |
| 50° | 8439 | 8252 | 8004 |
| 55° | 8178 | 7942 | 7719 |
| 60° | 7865 | 7626 | 7355 |
| 65° | 7494 | 7248 | 7002 |
| 70° | 7138 | 6811 | 6577 |
| 75° | 6503 | 6288 | 6071 |
| 80° | 5787 | 5694 | 5560 |
| 85° | 5039 | 5128 | 4846 |



TEST NUMBER: P333312-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 147.2 | 2.6 |
| 10°-20° | 415.8 | 7.2 |
| 20°-30° | 613.9 | 10.7 |
| 30°-40° | 716.4 | 12.5 |
| 40°-50° | 719.5 | 12.5 |
| 50°-60° | 631.6 | 11.0 |
| 60°-70° | 470.6 | 8.2 |
| 70°-80° | 269.1 | 4.7 |
| 80°-90° | 79.5 | 1.4 |
| 90°-100° | 162.5 | 2.8 |
| 100°-110° | 349.2 | 6.1 |
| 110°-120° | 327.8 | 5.7 |
| 120°-130° | 265.6 | 4.6 |
| 130°-140° | 213.2 | 3.7 |
| 140°-150° | 160.9 | 2.8 |
| 150°-160° | 113.2 | 2.0 |
| 160°-170° | 66.7 | 1.2 |
| 170°-180° | 21.7 | 0.4 |
| 0°-30° | 1177.0 | 20.5 |
| 0°-40° | 1893.4 | 33.0 |
| 0°-60° | 3244.5 | 56.5 |
| 0°-90° | 4063.7 | 70.7 |
| 90°-120° | 839.5 | 14.6 |
| 90°-150° | 1479.1 | 25.7 |
| 90°-180° | 1681.0 | 29.3 |
| 0°-180° | 5744.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1561 | 1561 | 1561 | 1561 | 1561 | |
| 5° | 1559 | 1556 | 1544 | 1554 | 1554 | 148 |
| 15° | 1486 | 1482 | 1468 | 1474 | 1475 | 419 |
| 25° | 1349 | 1342 | 1326 | 1329 | 1325 | 620 |
| 35° | 1165 | 1159 | 1142 | 1136 | 1126 | 728 |
| 45° | 954 | 948 | 934 | 920 | 915 | 734 |
| 55° | 726 | 722 | 705 | 694 | 686 | 648 |
| 65° | 490 | 487 | 474 | 464 | 458 | 486 |
| 75° | 261 | 258 | 252 | 248 | 243 | 278 |
| 85° | 68 | 69 | 69 | 68 | 65 | 76 |
| 90° | 0 | 4 | 7 | 9 | 10 | 5 |
| 95° | 15 | 44 | 400 | 182 | 106 | 16 |
| 105° | 51 | 71 | 328 | 645 | 599 | 54 |
| 115° | 91 | 110 | 263 | 567 | 667 | 90 |
| 125° | 126 | 148 | 252 | 451 | 526 | 112 |
| 135° | 148 | 178 | 250 | 378 | 436 | 115 |
| 145° | 173 | 198 | 251 | 313 | 344 | 108 |
| 155° | 197 | 212 | 245 | 277 | 289 | 91 |
| 165° | 215 | 221 | 235 | 249 | 253 | 61 |
| 175° | 224 | 224 | 226 | 228 | 227 | 21 |
| 180° | 224 | 224 | 224 | 224 | 224 | |



TEST NUMBER: P333312-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 |
| 2.5° | 1565.1 | 1564.5 | 1563.8 | 1563.1 | 1562.5 | 1561.1 | 1558.9 | 1556.6 | 1554.5 | 1552.3 | 1554.5 |
| 5° | 1558.7 | 1558.1 | 1557.6 | 1557.0 | 1556.5 | 1554.9 | 1552.1 | 1549.4 | 1546.7 | 1543.9 | 1546.3 |
| 7.5° | 1544.4 | 1543.8 | 1543.3 | 1542.7 | 1542.1 | 1540.4 | 1537.4 | 1534.4 | 1531.4 | 1528.4 | 1530.7 |
| 10° | 1531.5 | 1531.0 | 1530.4 | 1529.9 | 1529.3 | 1527.6 | 1524.6 | 1521.5 | 1518.5 | 1515.4 | 1517.7 |
| 12.5° | 1515.7 | 1514.7 | 1513.8 | 1512.8 | 1511.8 | 1509.9 | 1507.0 | 1504.3 | 1501.5 | 1498.7 | 1500.5 |
| 15° | 1485.8 | 1485.0 | 1484.2 | 1483.4 | 1482.6 | 1480.6 | 1477.6 | 1474.6 | 1471.6 | 1468.5 | 1469.9 |
| 17.5° | 1451.5 | 1450.3 | 1449.1 | 1447.9 | 1446.7 | 1444.5 | 1441.4 | 1438.2 | 1435.1 | 1431.9 | 1433.7 |
| 20° | 1422.8 | 1422.3 | 1421.7 | 1421.2 | 1420.6 | 1418.6 | 1415.0 | 1411.4 | 1407.9 | 1404.3 | 1406.2 |
| 22.5° | 1394.2 | 1393.2 | 1392.2 | 1391.2 | 1390.2 | 1388.1 | 1384.7 | 1381.4 | 1378.0 | 1374.7 | 1375.9 |
| 25° | 1348.8 | 1347.3 | 1346.0 | 1344.7 | 1343.2 | 1340.8 | 1337.2 | 1333.6 | 1330.1 | 1326.5 | 1327.1 |
| 27.5° | 1295.6 | 1294.8 | 1294.0 | 1293.2 | 1292.4 | 1290.1 | 1286.4 | 1282.7 | 1279.1 | 1275.3 | 1275.5 |
| 30° | 1261.1 | 1260.2 | 1259.4 | 1258.5 | 1257.7 | 1255.3 | 1251.2 | 1247.1 | 1242.9 | 1238.8 | 1238.3 |
| 32.5° | 1223.5 | 1222.3 | 1221.0 | 1219.7 | 1218.5 | 1216.0 | 1212.3 | 1208.6 | 1204.9 | 1201.3 | 1200.3 |
| 35° | 1164.7 | 1163.6 | 1162.5 | 1161.4 | 1160.3 | 1157.9 | 1154.0 | 1150.2 | 1146.3 | 1142.5 | 1141.1 |
| 37.5° | 1103.7 | 1102.3 | 1101.0 | 1099.5 | 1098.2 | 1095.7 | 1092.1 | 1088.5 | 1084.8 | 1081.2 | 1079.2 |
| 40° | 1062.2 | 1060.8 | 1059.5 | 1058.0 | 1056.7 | 1054.1 | 1050.3 | 1046.4 | 1042.6 | 1038.7 | 1036.3 |
| 42.5° | 1017.7 | 1016.6 | 1015.4 | 1014.2 | 1013.1 | 1010.6 | 1006.8 | 1002.9 | 999.1 | 995.2 | 993.0 |
| 45° | 953.5 | 952.4 | 951.3 | 950.2 | 949.1 | 946.9 | 943.6 | 940.3 | 937.1 | 933.7 | 930.4 |
| 47.5° | 884.3 | 884.4 | 884.5 | 884.5 | 884.6 | 882.6 | 878.7 | 874.7 | 870.8 | 866.8 | 863.5 |
| 50° | 839.9 | 839.1 | 838.2 | 837.4 | 836.5 | 834.5 | 831.2 | 827.9 | 824.7 | 821.3 | 817.8 |
| 52.5° | 794.4 | 793.8 | 793.2 | 792.6 | 792.0 | 790.0 | 786.4 | 782.9 | 779.4 | 775.9 | 772.8 |
| 55° | 726.3 | 725.4 | 724.6 | 723.7 | 722.9 | 720.6 | 716.8 | 713.0 | 709.1 | 705.3 | 702.7 |
| 57.5° | 654.3 | 653.9 | 653.5 | 653.1 | 652.6 | 650.8 | 647.5 | 644.3 | 641.0 | 637.8 | 634.6 |
| 60° | 608.9 | 607.8 | 606.7 | 605.6 | 604.5 | 602.5 | 599.4 | 596.4 | 593.4 | 590.4 | 587.6 |
| 62.5° | 561.5 | 560.6 | 559.8 | 558.8 | 557.9 | 556.3 | 553.7 | 551.0 | 548.5 | 545.9 | 543.0 |
| 65° | 490.4 | 489.8 | 489.3 | 488.7 | 488.1 | 486.3 | 483.3 | 480.3 | 477.3 | 474.3 | 471.8 |
| 67.5° | 421.4 | 420.3 | 419.1 | 418.0 | 416.8 | 415.1 | 412.9 | 410.6 | 408.4 | 406.1 | 404.0 |
| 70° | 378.0 | 376.6 | 375.2 | 373.8 | 372.5 | 370.5 | 368.0 | 365.6 | 363.1 | 360.7 | 359.0 |
| 72.5° | 330.5 | 329.5 | 328.7 | 327.7 | 326.8 | 325.5 | 323.9 | 322.3 | 320.8 | 319.2 | 317.3 |
| 75° | 260.6 | 260.1 | 259.5 | 259.0 | 258.4 | 257.5 | 256.1 | 254.7 | 253.3 | 252.0 | 251.1 |
| 77.5° | 196.1 | 195.9 | 195.7 | 195.5 | 195.3 | 194.8 | 194.0 | 193.2 | 192.4 | 191.7 | 191.2 |
| 80° | 155.6 | 155.6 | 155.6 | 155.6 | 155.6 | 155.3 | 154.8 | 154.2 | 153.7 | 153.1 | 152.9 |
| 82.5° | 120.0 | 119.6 | 119.1 | 118.7 | 118.3 | 118.0 | 117.9 | 117.8 | 117.7 | 117.6 | 117.1 |
| 85° | 68.0 | 68.2 | 68.4 | 68.8 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 68.9 |
| 87.5° | 26.8 | 26.9 | 27.0 | 27.3 | 27.4 | 27.5 | 27.3 | 27.3 | 27.2 | 27.2 | 27.3 |
| 90° | 0.5 | 0.9 | 1.8 | 2.7 | 3.6 | 4.5 | 5.0 | 5.9 | 6.3 | 7.2 | 7.7 |
| 92.5° | 5.5 | 6.7 | 10.5 | 16.1 | 23.8 | 37.1 | 61.7 | 103.1 | 148.1 | 145.7 | 118.0 |
| 95° | 14.9 | 15.4 | 19.0 | 23.9 | 33.9 | 54.3 | 102.6 | 202.0 | 326.7 | 400.4 | 391.8 |
| 97.5° | 24.8 | 25.3 | 27.8 | 32.8 | 41.7 | 56.4 | 88.4 | 161.2 | 291.8 | 427.5 | 495.7 |
| 100° | 31.6 | 32.6 | 34.4 | 39.3 | 47.9 | 61.5 | 87.7 | 146.4 | 260.3 | 408.1 | 521.0 |
| 102.5° | 39.2 | 39.8 | 41.2 | 46.6 | 54.4 | 67.6 | 90.9 | 140.3 | 236.4 | 373.7 | 505.8 |
| 105° | 51.1 | 51.1 | 53.3 | 57.8 | 65.0 | 77.7 | 97.6 | 137.8 | 213.3 | 327.6 | 457.3 |
| 107.5° | 62.7 | 63.5 | 65.7 | 69.4 | 76.9 | 88.3 | 107.6 | 142.0 | 203.5 | 295.9 | 407.8 |
| 110° | 71.0 | 71.9 | 73.7 | 77.7 | 84.5 | 96.3 | 114.8 | 145.9 | 200.7 | 281.1 | 379.6 |



TEST NUMBER: P333312-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 79.3 | 80.2 | 81.6 | 85.7 | 92.4 | 103.9 | 121.7 | 151.0 | 200.7 | 272.4 | 358.6 |
| 115° | 91.3 | 92.2 | 93.6 | 97.6 | 104.4 | 115.7 | 132.4 | 158.6 | 202.0 | 263.0 | 335.7 |
| 117.5° | 102.1 | 103.5 | 105.0 | 109.0 | 116.7 | 127.6 | 143.5 | 167.3 | 204.9 | 258.4 | 322.1 |
| 120° | 109.3 | 110.7 | 112.5 | 116.6 | 124.3 | 135.5 | 151.4 | 173.1 | 207.9 | 256.2 | 314.5 |
| 122.5° | 116.9 | 118.0 | 119.4 | 123.4 | 131.9 | 143.1 | 159.0 | 179.6 | 210.4 | 254.4 | 308.0 |
| 125° | 126.5 | 127.5 | 129.7 | 133.7 | 142.4 | 154.1 | 169.0 | 188.5 | 214.7 | 252.2 | 299.1 |
| 127.5° | 134.0 | 135.4 | 138.3 | 143.5 | 152.6 | 164.3 | 178.6 | 196.5 | 219.4 | 251.0 | 291.0 |
| 130° | 138.7 | 140.1 | 143.7 | 149.6 | 159.1 | 170.8 | 184.8 | 202.0 | 222.4 | 250.3 | 285.6 |
| 132.5° | 142.4 | 144.1 | 148.4 | 155.0 | 164.9 | 176.6 | 190.6 | 206.7 | 225.6 | 250.3 | 281.2 |
| 135° | 148.2 | 150.0 | 155.4 | 162.7 | 172.1 | 184.3 | 198.4 | 213.3 | 230.0 | 250.3 | 276.1 |
| 137.5° | 155.7 | 157.0 | 162.1 | 169.3 | 178.6 | 191.2 | 203.9 | 218.2 | 234.1 | 250.9 | 271.5 |
| 140° | 159.9 | 161.3 | 166.8 | 174.0 | 182.6 | 194.8 | 207.9 | 221.4 | 235.9 | 251.3 | 269.3 |
| 142.5° | 165.0 | 166.0 | 171.1 | 178.3 | 186.6 | 198.0 | 210.4 | 223.2 | 236.9 | 251.6 | 267.5 |
| 145° | 172.6 | 173.5 | 178.0 | 184.3 | 192.5 | 202.9 | 214.7 | 225.9 | 238.1 | 251.3 | 264.8 |
| 147.5° | 180.5 | 181.1 | 185.0 | 190.8 | 197.9 | 207.1 | 217.4 | 227.6 | 238.6 | 250.1 | 262.0 |
| 150° | 185.3 | 186.2 | 189.3 | 195.2 | 201.5 | 209.2 | 219.2 | 228.6 | 238.6 | 249.0 | 259.8 |
| 152.5° | 190.4 | 190.8 | 193.7 | 198.8 | 204.8 | 211.8 | 220.9 | 229.3 | 238.2 | 247.6 | 257.3 |
| 155° | 197.0 | 197.0 | 199.7 | 204.2 | 208.7 | 215.1 | 222.8 | 230.0 | 237.3 | 244.9 | 253.0 |
| 157.5° | 203.0 | 202.9 | 205.1 | 209.0 | 212.9 | 217.7 | 224.3 | 230.4 | 236.1 | 242.2 | 249.1 |
| 160° | 207.0 | 206.5 | 208.3 | 211.5 | 215.1 | 219.2 | 225.1 | 230.4 | 235.0 | 240.4 | 245.8 |
| 162.5° | 210.2 | 209.8 | 211.6 | 214.4 | 217.3 | 220.6 | 225.8 | 230.1 | 233.9 | 238.2 | 243.0 |
| 165° | 215.1 | 214.2 | 215.6 | 217.8 | 219.6 | 222.4 | 225.9 | 229.6 | 232.3 | 235.0 | 238.6 |
| 167.5° | 218.3 | 217.9 | 218.7 | 220.0 | 221.3 | 222.9 | 225.9 | 228.5 | 229.7 | 231.8 | 234.3 |
| 170° | 220.5 | 220.1 | 220.5 | 221.4 | 222.4 | 223.7 | 225.9 | 227.8 | 228.6 | 230.0 | 231.8 |
| 172.5° | 222.0 | 221.2 | 221.6 | 222.5 | 223.1 | 223.7 | 225.6 | 227.0 | 227.2 | 227.8 | 229.3 |
| 175° | 223.7 | 222.8 | 223.2 | 223.7 | 223.7 | 223.7 | 225.1 | 225.9 | 225.5 | 225.5 | 225.9 |
| 177.5° | 224.5 | 223.8 | 223.8 | 224.1 | 223.8 | 223.8 | 224.5 | 224.8 | 224.1 | 224.1 | 224.5 |
| 180° | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 |



TEST NUMBER: P333312-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 | 1561.2 |
| 2.5° | 1556.6 | 1558.9 | 1561.1 | 1562.0 | 1561.9 | 1561.6 | 1561.4 | 1561.2 |
| 5° | 1548.8 | 1551.3 | 1553.8 | 1554.9 | 1554.6 | 1554.3 | 1554.0 | 1553.8 |
| 7.5° | 1533.1 | 1535.6 | 1537.9 | 1539.1 | 1538.8 | 1538.5 | 1538.3 | 1537.9 |
| 10° | 1519.9 | 1522.1 | 1524.2 | 1525.2 | 1525.0 | 1524.6 | 1524.4 | 1524.2 |
| 12.5° | 1502.2 | 1504.0 | 1505.7 | 1506.6 | 1506.5 | 1506.4 | 1506.4 | 1506.3 |
| 15° | 1471.3 | 1472.7 | 1474.0 | 1474.7 | 1474.7 | 1474.7 | 1474.7 | 1474.7 |
| 17.5° | 1435.4 | 1437.1 | 1438.8 | 1438.9 | 1437.6 | 1436.2 | 1434.8 | 1433.5 |
| 20° | 1408.2 | 1410.1 | 1412.0 | 1412.3 | 1410.9 | 1409.5 | 1408.2 | 1406.8 |
| 22.5° | 1377.2 | 1378.5 | 1379.7 | 1379.9 | 1379.0 | 1378.0 | 1377.1 | 1376.2 |
| 25° | 1327.6 | 1328.2 | 1328.7 | 1328.6 | 1327.8 | 1326.9 | 1326.1 | 1325.2 |
| 27.5° | 1275.6 | 1275.7 | 1275.8 | 1275.4 | 1274.6 | 1273.8 | 1273.0 | 1272.2 |
| 30° | 1237.7 | 1237.2 | 1236.6 | 1236.0 | 1235.1 | 1234.3 | 1233.4 | 1232.6 |
| 32.5° | 1199.3 | 1198.3 | 1197.3 | 1196.0 | 1194.6 | 1193.1 | 1191.6 | 1190.2 |
| 35° | 1139.7 | 1138.4 | 1137.0 | 1135.2 | 1133.0 | 1130.8 | 1128.6 | 1126.4 |
| 37.5° | 1077.1 | 1075.1 | 1073.1 | 1071.4 | 1070.2 | 1068.9 | 1067.6 | 1066.4 |
| 40° | 1033.8 | 1031.3 | 1028.8 | 1027.2 | 1026.4 | 1025.6 | 1024.7 | 1023.9 |
| 42.5° | 990.8 | 988.5 | 986.3 | 984.5 | 983.3 | 982.0 | 980.7 | 979.5 |
| 45° | 927.2 | 923.8 | 920.6 | 918.5 | 917.7 | 916.9 | 916.0 | 915.2 |
| 47.5° | 860.1 | 856.7 | 853.4 | 850.8 | 848.8 | 846.9 | 845.0 | 843.1 |
| 50° | 814.2 | 810.6 | 807.1 | 804.3 | 802.4 | 800.5 | 798.6 | 796.6 |
| 52.5° | 769.6 | 766.5 | 763.3 | 760.7 | 758.6 | 756.5 | 754.3 | 752.2 |
| 55° | 700.3 | 697.8 | 695.4 | 693.2 | 691.3 | 689.4 | 687.4 | 685.5 |
| 57.5° | 631.4 | 628.3 | 625.1 | 623.0 | 621.9 | 620.9 | 619.8 | 618.8 |
| 60° | 584.9 | 582.2 | 579.4 | 577.1 | 575.1 | 573.2 | 571.3 | 569.4 |
| 62.5° | 540.0 | 537.0 | 534.1 | 531.9 | 530.4 | 528.9 | 527.4 | 525.9 |
| 65° | 469.4 | 466.8 | 464.4 | 462.6 | 461.5 | 460.4 | 459.3 | 458.2 |
| 67.5° | 402.0 | 399.8 | 397.8 | 396.4 | 395.7 | 395.1 | 394.4 | 393.7 |
| 70° | 357.4 | 355.7 | 354.0 | 352.7 | 351.6 | 350.5 | 349.4 | 348.3 |
| 72.5° | 315.4 | 313.5 | 311.7 | 310.2 | 309.1 | 308.0 | 306.9 | 305.8 |
| 75° | 250.3 | 249.5 | 248.7 | 247.7 | 246.6 | 245.5 | 244.4 | 243.3 |
| 77.5° | 190.7 | 190.2 | 189.7 | 189.1 | 188.3 | 187.5 | 186.8 | 186.0 |
| 80° | 152.6 | 152.3 | 152.0 | 151.6 | 151.1 | 150.5 | 150.0 | 149.5 |
| 82.5° | 116.6 | 116.1 | 115.6 | 115.3 | 115.2 | 115.1 | 114.9 | 114.9 |
| 85° | 68.6 | 68.4 | 68.0 | 67.7 | 67.1 | 66.5 | 66.0 | 65.4 |
| 87.5° | 27.3 | 27.4 | 27.5 | 27.5 | 27.0 | 26.6 | 26.2 | 25.8 |
| 90° | 8.2 | 8.6 | 9.0 | 9.9 | 9.9 | 9.9 | 10.4 | 10.4 |
| 92.5° | 80.1 | 58.1 | 43.7 | 37.1 | 31.3 | 30.2 | 29.5 | 28.8 |
| 95° | 324.9 | 256.2 | 200.7 | 162.7 | 130.6 | 117.0 | 113.4 | 106.2 |
| 97.5° | 483.9 | 435.7 | 381.6 | 328.8 | 300.9 | 275.5 | 262.4 | 256.7 |
| 100° | 555.8 | 533.7 | 487.1 | 440.1 | 408.9 | 376.4 | 359.7 | 352.4 |
| 102.5° | 580.0 | 593.7 | 571.3 | 539.6 | 506.2 | 483.1 | 464.9 | 459.5 |
| 105° | 565.8 | 627.6 | 647.5 | 642.5 | 628.1 | 613.2 | 604.2 | 598.7 |
| 107.5° | 514.8 | 597.4 | 648.5 | 672.0 | 679.4 | 679.3 | 676.3 | 672.6 |
| 110° | 477.2 | 563.1 | 626.8 | 665.2 | 685.5 | 694.1 | 697.3 | 697.3 |



TEST NUMBER: P333312-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 447.6 | 529.1 | 593.5 | 638.8 | 668.5 | 683.3 | 691.1 | 694.3 |
| 115° | 410.3 | 480.4 | 542.2 | 591.5 | 626.8 | 648.5 | 661.1 | 667.0 |
| 117.5° | 386.3 | 446.6 | 499.9 | 545.2 | 580.4 | 602.9 | 615.4 | 619.0 |
| 120° | 373.3 | 427.5 | 477.2 | 517.0 | 550.4 | 572.1 | 584.3 | 587.9 |
| 122.5° | 363.5 | 413.8 | 458.0 | 495.3 | 525.1 | 544.9 | 557.1 | 560.4 |
| 125° | 349.3 | 395.4 | 434.7 | 467.2 | 492.6 | 511.1 | 521.0 | 525.5 |
| 127.5° | 334.9 | 377.9 | 414.5 | 445.0 | 467.9 | 484.3 | 493.7 | 495.7 |
| 130° | 325.8 | 365.6 | 400.8 | 430.2 | 452.8 | 467.7 | 476.7 | 479.4 |
| 132.5° | 316.8 | 354.0 | 386.0 | 414.3 | 436.9 | 451.8 | 460.1 | 463.2 |
| 135° | 305.0 | 336.2 | 365.1 | 390.9 | 410.7 | 425.6 | 433.8 | 436.5 |
| 137.5° | 295.1 | 320.3 | 344.4 | 366.2 | 384.0 | 397.6 | 405.0 | 408.1 |
| 140° | 289.6 | 310.9 | 331.7 | 350.7 | 367.4 | 379.1 | 385.9 | 388.2 |
| 142.5° | 284.9 | 302.9 | 320.8 | 337.3 | 351.5 | 361.4 | 367.8 | 369.7 |
| 145° | 278.8 | 292.8 | 306.8 | 319.0 | 329.9 | 337.5 | 342.5 | 344.4 |
| 147.5° | 273.1 | 284.4 | 295.2 | 304.4 | 313.0 | 319.1 | 322.0 | 322.8 |
| 150° | 269.7 | 279.7 | 288.3 | 296.4 | 303.2 | 308.6 | 310.5 | 310.9 |
| 152.5° | 266.2 | 275.0 | 282.9 | 289.2 | 294.9 | 299.2 | 301.0 | 301.5 |
| 155° | 260.7 | 268.0 | 274.3 | 279.2 | 283.8 | 286.9 | 288.3 | 288.8 |
| 157.5° | 255.3 | 261.3 | 266.2 | 270.1 | 273.5 | 276.2 | 277.4 | 277.3 |
| 160° | 251.7 | 256.2 | 260.7 | 263.9 | 267.0 | 269.3 | 270.2 | 269.7 |
| 162.5° | 247.7 | 251.9 | 255.6 | 258.5 | 260.9 | 262.8 | 263.0 | 262.9 |
| 165° | 242.2 | 245.3 | 248.1 | 250.3 | 252.2 | 253.0 | 253.0 | 253.0 |
| 167.5° | 236.9 | 239.1 | 241.1 | 242.7 | 243.7 | 244.5 | 244.1 | 244.0 |
| 170° | 234.1 | 235.4 | 236.8 | 237.7 | 238.6 | 239.1 | 239.1 | 238.6 |
| 172.5° | 230.8 | 232.2 | 233.1 | 233.7 | 233.9 | 234.7 | 234.0 | 233.5 |
| 175° | 227.3 | 227.3 | 228.2 | 228.2 | 228.2 | 228.6 | 227.8 | 227.3 |
| 177.5° | 224.8 | 225.2 | 225.2 | 225.2 | 224.8 | 225.2 | 224.1 | 224.1 |
| 180° | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 | 224.1 |

(END OF REPORT)