

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: P242287

Luminaire Tested: **S122DR-S865D927-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P242287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DR-S865D927-X4F0-XX-UDD-A-W
Description: DEFINE 2 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER
STANDARD LIGHT ENGINE
Light Source: (92) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2899.7 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.23
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

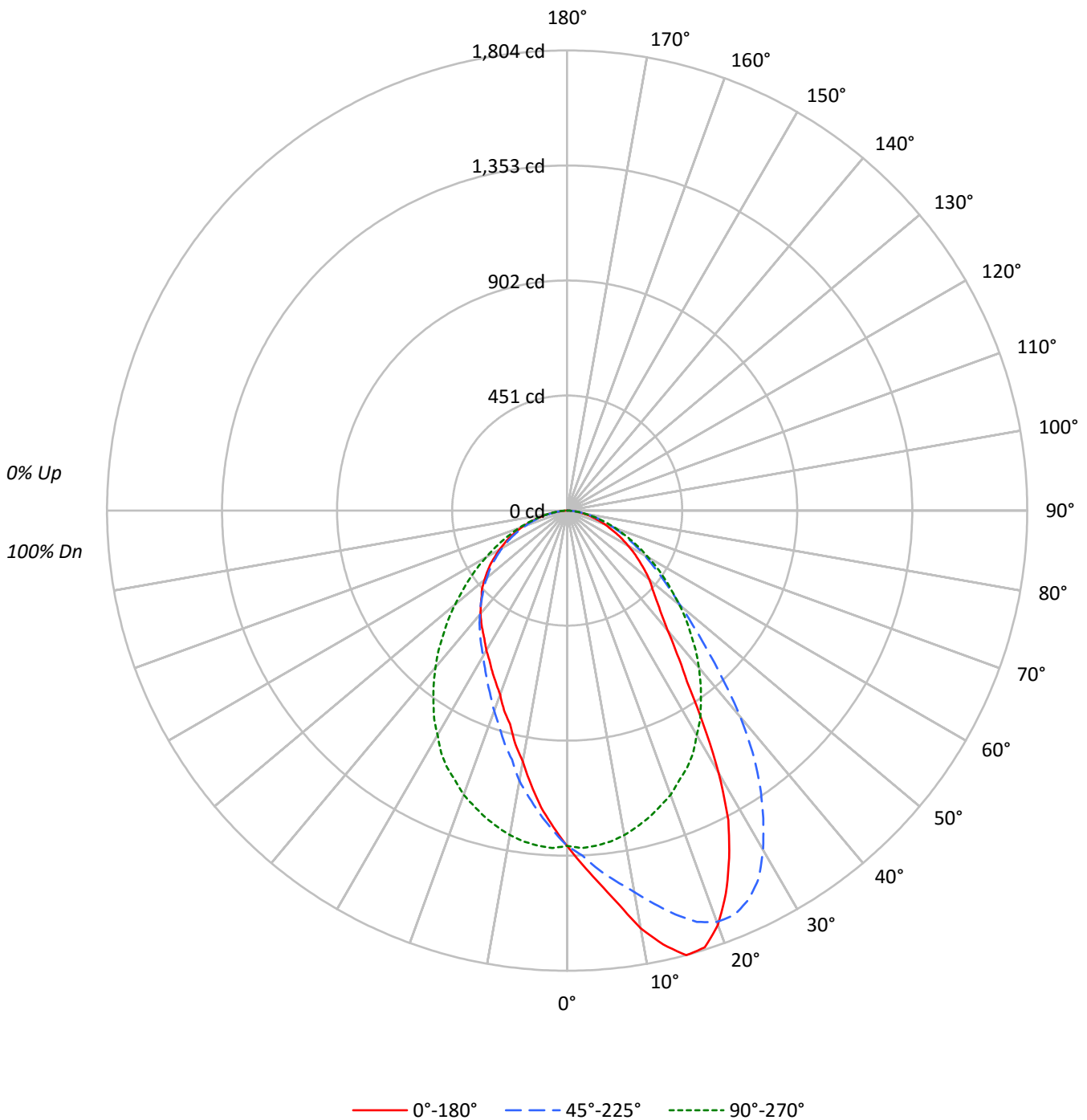
Input Watts (W): 34.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P242287

CATALOG NUMBER: S122DR-S865D927-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot





TEST NUMBER: P242287

CATALOG NUMBER: S122DR-S865D927-X4F0-XX-UDD-A-W

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 106 | 102 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | 86 |
| 2 | 101 | 94 | 87 | 82 | 98 | 92 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | 74 |
| 3 | 93 | 83 | 76 | 70 | 90 | 82 | 75 | 69 | 79 | 73 | 68 | 76 | 71 | 67 | 74 | 69 | 66 | 64 |
| 4 | 86 | 75 | 66 | 60 | 83 | 73 | 66 | 60 | 71 | 64 | 59 | 69 | 63 | 58 | 66 | 62 | 58 | 55 |
| 5 | 79 | 67 | 59 | 53 | 77 | 66 | 58 | 52 | 64 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 51 | 49 |
| 6 | 74 | 61 | 53 | 47 | 72 | 60 | 52 | 46 | 58 | 51 | 46 | 57 | 51 | 46 | 55 | 50 | 45 | 43 |
| 7 | 69 | 56 | 48 | 42 | 67 | 55 | 47 | 42 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 39 |
| 8 | 64 | 51 | 43 | 38 | 63 | 51 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 35 |
| 9 | 60 | 47 | 39 | 34 | 59 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 32 |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 41 | 35 | 31 | 29 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 25038 | 25038 | 25038 |
| 5° | 28069 | 25201 | 22333 |
| 10° | 32165 | 24993 | 19326 |
| 15° | 35584 | 24535 | 17075 |
| 20° | 35041 | 24042 | 15565 |
| 25° | 31597 | 23390 | 14609 |
| 30° | 26112 | 22344 | 13911 |
| 35° | 19030 | 21251 | 13415 |
| 40° | 15200 | 19959 | 13139 |
| 45° | 13280 | 18466 | 12763 |
| 50° | 12484 | 17021 | 12514 |
| 55° | 11507 | 15552 | 12181 |
| 60° | 10545 | 13992 | 11661 |
| 65° | 9609 | 12593 | 11155 |
| 70° | 8721 | 11227 | 10409 |
| 75° | 7735 | 9700 | 9221 |
| 80° | 6647 | 8029 | 7426 |
| 85° | 5966 | 5966 | 4415 |



TEST NUMBER: P242287

CATALOG NUMBER: S122DR-S865D927-X4F0-XX-UDD-A-W

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 125.2 | 4.3 |
| 10°-20° | 364.4 | 12.6 |
| 20°-30° | 528.9 | 18.2 |
| 30°-40° | 557.5 | 19.2 |
| 40°-50° | 493.3 | 17.0 |
| 50°-60° | 393.8 | 13.6 |
| 60°-70° | 267.5 | 9.2 |
| 70°-80° | 136.9 | 4.7 |
| 80°-90° | 32.3 | 1.1 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1018.5 | 35.1 |
| 0°-40° | 1576.0 | 54.3 |
| 0°-60° | 2463.0 | 84.9 |
| 0°-90° | 2899.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2899.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1314 | 1314 | 1314 | 1314 | 1314 | |
| 5° | 1468 | 1413 | 1318 | 1197 | 1168 | 146 |
| 15° | 1804 | 1639 | 1244 | 946 | 866 | 500 |
| 25° | 1503 | 1683 | 1113 | 740 | 695 | 682 |
| 35° | 818 | 1318 | 914 | 594 | 577 | 530 |
| 45° | 493 | 780 | 686 | 470 | 474 | 386 |
| 55° | 346 | 449 | 468 | 353 | 367 | 311 |
| 65° | 213 | 266 | 279 | 233 | 248 | 212 |
| 75° | 105 | 129 | 132 | 118 | 125 | 112 |
| 85° | 27 | 30 | 27 | 23 | 20 | 31 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P242287

CATALOG NUMBER: S122DR-S865D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 |
| 2.5° | 1390.2 | 1390.7 | 1391.7 | 1383.7 | 1382.7 | 1382.7 | 1375.6 | 1369.5 | 1362.4 | 1352.8 | 1353.9 |
| 5° | 1468.0 | 1473.6 | 1475.6 | 1469.5 | 1460.4 | 1459.4 | 1450.8 | 1436.7 | 1423.6 | 1413.0 | 1405.4 |
| 7.5° | 1557.9 | 1560.0 | 1555.9 | 1548.9 | 1542.8 | 1531.2 | 1517.0 | 1503.4 | 1483.2 | 1465.0 | 1451.9 |
| 10° | 1663.0 | 1666.1 | 1657.5 | 1645.8 | 1636.2 | 1622.1 | 1598.9 | 1575.1 | 1546.3 | 1518.5 | 1496.3 |
| 12.5° | 1742.8 | 1751.4 | 1739.8 | 1740.8 | 1722.6 | 1701.9 | 1673.1 | 1664.0 | 1620.6 | 1579.2 | 1554.9 |
| 15° | 1804.5 | 1804.0 | 1805.0 | 1795.4 | 1783.3 | 1780.2 | 1750.9 | 1719.1 | 1662.0 | 1639.3 | 1599.9 |
| 17.5° | 1795.4 | 1802.4 | 1806.5 | 1803.5 | 1801.4 | 1796.9 | 1784.3 | 1760.5 | 1729.2 | 1690.8 | 1643.8 |
| 20° | 1728.7 | 1738.8 | 1740.3 | 1751.9 | 1758.5 | 1767.1 | 1770.6 | 1765.1 | 1747.4 | 1716.6 | 1677.2 |
| 22.5° | 1625.6 | 1626.6 | 1632.2 | 1651.9 | 1668.1 | 1692.8 | 1706.0 | 1730.7 | 1726.7 | 1715.6 | 1684.2 |
| 25° | 1503.4 | 1498.3 | 1516.0 | 1525.1 | 1557.9 | 1592.3 | 1617.1 | 1644.3 | 1668.6 | 1683.2 | 1673.6 |
| 27.5° | 1368.0 | 1357.4 | 1384.2 | 1407.9 | 1431.1 | 1464.5 | 1501.9 | 1546.3 | 1580.2 | 1626.1 | 1637.3 |
| 30° | 1187.2 | 1191.7 | 1217.0 | 1242.7 | 1283.1 | 1335.7 | 1379.1 | 1429.1 | 1483.2 | 1536.2 | 1573.1 |
| 32.5° | 992.2 | 1012.9 | 1026.5 | 1069.4 | 1103.8 | 1163.9 | 1232.6 | 1298.3 | 1369.0 | 1431.1 | 1493.3 |
| 35° | 818.4 | 838.6 | 860.8 | 889.6 | 939.6 | 997.7 | 1059.8 | 1144.2 | 1236.2 | 1318.5 | 1386.2 |
| 37.5° | 708.2 | 704.7 | 718.4 | 739.6 | 782.5 | 832.5 | 906.3 | 992.2 | 1102.3 | 1193.7 | 1284.6 |
| 40° | 611.3 | 609.2 | 618.3 | 637.5 | 668.3 | 702.7 | 765.3 | 838.6 | 939.1 | 1057.3 | 1171.0 |
| 42.5° | 544.6 | 546.6 | 550.6 | 562.8 | 581.5 | 608.2 | 651.2 | 710.8 | 800.7 | 910.3 | 1034.6 |
| 45° | 493.0 | 496.6 | 502.1 | 508.7 | 520.8 | 544.1 | 570.3 | 614.8 | 687.5 | 780.5 | 900.7 |
| 47.5° | 452.6 | 453.6 | 459.7 | 465.8 | 472.8 | 487.0 | 510.2 | 538.5 | 594.1 | 673.4 | 781.0 |
| 50° | 421.3 | 417.8 | 421.8 | 426.4 | 433.9 | 443.0 | 457.2 | 483.4 | 517.8 | 578.9 | 665.3 |
| 52.5° | 382.9 | 383.9 | 387.5 | 388.5 | 395.0 | 404.1 | 416.8 | 432.9 | 463.2 | 507.7 | 574.9 |
| 55° | 346.5 | 349.1 | 351.1 | 354.1 | 360.2 | 366.8 | 376.9 | 389.0 | 413.2 | 449.1 | 501.6 |
| 57.5° | 312.2 | 313.2 | 314.7 | 321.3 | 324.8 | 330.9 | 341.0 | 352.1 | 368.3 | 396.1 | 437.5 |
| 60° | 276.8 | 276.8 | 280.9 | 283.4 | 288.5 | 294.5 | 302.1 | 312.7 | 326.8 | 348.6 | 380.4 |
| 62.5° | 244.5 | 244.0 | 245.0 | 249.6 | 253.1 | 258.6 | 266.2 | 274.8 | 287.9 | 306.6 | 331.4 |
| 65° | 213.2 | 212.2 | 215.2 | 216.2 | 220.3 | 225.8 | 231.9 | 241.5 | 252.1 | 266.2 | 289.5 |
| 67.5° | 181.9 | 183.4 | 185.4 | 187.4 | 189.4 | 196.0 | 200.0 | 207.1 | 216.2 | 228.3 | 244.5 |
| 70° | 156.6 | 156.6 | 156.6 | 158.1 | 161.1 | 164.2 | 168.2 | 173.8 | 182.4 | 192.5 | 206.6 |
| 72.5° | 128.3 | 130.3 | 132.4 | 130.8 | 134.9 | 136.4 | 141.4 | 144.0 | 152.1 | 157.6 | 169.7 |
| 75° | 105.1 | 105.1 | 105.1 | 107.6 | 109.1 | 110.6 | 113.7 | 116.7 | 120.7 | 128.8 | 135.4 |
| 77.5° | 82.8 | 82.3 | 82.8 | 83.4 | 85.4 | 87.4 | 88.4 | 90.9 | 95.0 | 99.0 | 105.1 |
| 80° | 60.6 | 61.6 | 62.1 | 63.1 | 63.1 | 64.2 | 64.7 | 68.2 | 70.7 | 73.2 | 76.8 |
| 82.5° | 43.4 | 43.4 | 43.4 | 43.4 | 43.9 | 44.5 | 46.0 | 46.5 | 47.0 | 49.0 | 51.5 |
| 85° | 27.3 | 26.8 | 26.8 | 27.8 | 27.3 | 27.3 | 28.3 | 29.3 | 29.3 | 29.8 | 31.3 |
| 87.5° | 13.1 | 13.1 | 13.6 | 13.1 | 13.1 | 13.6 | 13.6 | 13.1 | 13.6 | 14.1 | 14.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P242287

CATALOG NUMBER: S122DR-S865D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 |
| 2.5° | 1357.4 | 1353.4 | 1350.8 | 1341.7 | 1333.6 | 1325.6 | 1323.0 | 1324.1 | 1312.9 | 1302.3 | 1297.8 |
| 5° | 1401.3 | 1391.2 | 1381.6 | 1368.0 | 1351.8 | 1334.2 | 1325.1 | 1318.0 | 1300.3 | 1281.1 | 1270.0 |
| 7.5° | 1441.3 | 1428.1 | 1410.9 | 1386.7 | 1364.5 | 1338.2 | 1322.0 | 1308.4 | 1283.6 | 1257.9 | 1242.2 |
| 10° | 1477.1 | 1457.4 | 1433.7 | 1402.4 | 1373.6 | 1339.7 | 1316.0 | 1292.2 | 1261.9 | 1229.6 | 1209.4 |
| 12.5° | 1507.9 | 1479.6 | 1456.4 | 1414.0 | 1378.6 | 1334.2 | 1304.9 | 1269.0 | 1236.7 | 1196.7 | 1177.0 |
| 15° | 1560.5 | 1511.5 | 1467.0 | 1421.5 | 1379.6 | 1320.5 | 1289.2 | 1244.2 | 1202.3 | 1154.8 | 1132.1 |
| 17.5° | 1599.4 | 1546.3 | 1477.6 | 1422.6 | 1376.1 | 1312.9 | 1268.0 | 1214.4 | 1166.9 | 1114.4 | 1084.1 |
| 20° | 1631.7 | 1568.6 | 1493.3 | 1424.6 | 1366.0 | 1291.2 | 1241.2 | 1186.1 | 1128.0 | 1066.9 | 1033.6 |
| 22.5° | 1650.9 | 1583.7 | 1509.4 | 1417.0 | 1345.8 | 1273.5 | 1207.4 | 1145.7 | 1086.6 | 1019.4 | 984.1 |
| 25° | 1651.9 | 1591.3 | 1512.5 | 1413.5 | 1329.6 | 1247.3 | 1171.5 | 1112.9 | 1041.7 | 980.0 | 929.0 |
| 27.5° | 1635.2 | 1587.2 | 1511.0 | 1406.4 | 1310.9 | 1216.5 | 1134.1 | 1070.0 | 994.7 | 928.0 | 877.0 |
| 30° | 1598.4 | 1573.1 | 1499.3 | 1394.3 | 1287.7 | 1184.1 | 1091.2 | 1015.9 | 941.1 | 873.4 | 820.9 |
| 32.5° | 1541.3 | 1540.8 | 1478.1 | 1377.1 | 1262.9 | 1143.2 | 1046.2 | 969.9 | 885.1 | 818.9 | 769.4 |
| 35° | 1463.0 | 1487.2 | 1446.3 | 1349.8 | 1230.6 | 1104.8 | 1000.7 | 913.9 | 828.0 | 764.3 | 717.3 |
| 37.5° | 1363.5 | 1419.5 | 1403.4 | 1313.4 | 1189.2 | 1063.9 | 950.7 | 859.8 | 777.5 | 711.8 | 665.8 |
| 40° | 1259.9 | 1336.7 | 1347.8 | 1270.5 | 1144.7 | 1014.9 | 893.1 | 802.7 | 722.9 | 664.3 | 617.8 |
| 42.5° | 1148.8 | 1241.7 | 1277.1 | 1219.0 | 1096.2 | 963.4 | 841.6 | 747.1 | 668.3 | 611.8 | 571.9 |
| 45° | 1022.0 | 1140.7 | 1195.7 | 1160.4 | 1041.2 | 905.8 | 780.5 | 685.5 | 613.8 | 560.2 | 528.4 |
| 47.5° | 907.3 | 1036.1 | 1106.3 | 1089.7 | 982.1 | 847.7 | 723.9 | 631.5 | 560.2 | 516.8 | 487.0 |
| 50° | 784.0 | 917.4 | 1006.8 | 1010.8 | 917.4 | 784.5 | 660.3 | 574.4 | 510.2 | 470.3 | 447.1 |
| 52.5° | 676.9 | 802.7 | 902.2 | 928.0 | 845.2 | 718.9 | 603.2 | 517.8 | 463.2 | 427.4 | 407.2 |
| 55° | 586.5 | 694.1 | 802.2 | 841.6 | 773.4 | 652.2 | 543.6 | 468.3 | 415.3 | 390.0 | 371.8 |
| 57.5° | 500.6 | 595.1 | 697.6 | 739.1 | 695.6 | 589.0 | 484.0 | 417.8 | 372.8 | 350.1 | 335.9 |
| 60° | 435.5 | 506.2 | 595.1 | 647.1 | 610.8 | 518.3 | 429.4 | 367.3 | 331.9 | 312.2 | 299.1 |
| 62.5° | 374.8 | 435.5 | 507.2 | 553.7 | 538.0 | 452.1 | 374.8 | 321.8 | 292.5 | 274.3 | 265.7 |
| 65° | 319.3 | 368.8 | 426.9 | 470.8 | 457.7 | 391.5 | 326.3 | 279.4 | 255.1 | 240.5 | 232.9 |
| 67.5° | 271.8 | 309.7 | 351.1 | 391.5 | 380.4 | 331.4 | 276.3 | 238.4 | 219.7 | 206.6 | 202.1 |
| 70° | 227.3 | 254.6 | 290.5 | 321.3 | 312.7 | 274.3 | 232.9 | 201.6 | 185.9 | 175.3 | 170.7 |
| 72.5° | 184.9 | 206.1 | 231.4 | 255.1 | 250.1 | 219.7 | 186.9 | 165.2 | 154.1 | 144.5 | 140.9 |
| 75° | 146.0 | 163.2 | 179.8 | 196.5 | 195.0 | 170.2 | 150.0 | 131.8 | 122.3 | 114.7 | 113.2 |
| 77.5° | 114.2 | 124.8 | 136.9 | 147.5 | 145.0 | 128.8 | 112.1 | 101.0 | 93.5 | 88.4 | 87.9 |
| 80° | 82.3 | 87.9 | 96.0 | 103.1 | 99.5 | 93.5 | 80.8 | 73.2 | 68.2 | 63.1 | 61.1 |
| 82.5° | 54.1 | 59.6 | 63.7 | 66.7 | 64.2 | 58.6 | 52.0 | 47.5 | 45.0 | 41.9 | 41.4 |
| 85° | 31.3 | 34.4 | 36.4 | 37.4 | 36.4 | 32.8 | 29.3 | 27.3 | 24.8 | 23.2 | 22.7 |
| 87.5° | 15.2 | 15.2 | 15.2 | 16.2 | 14.6 | 14.6 | 12.6 | 11.1 | 10.6 | 10.1 | 9.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P242287

CATALOG NUMBER: S122DR-S865D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 | 1314.5 |
| 2.5° | 1292.7 | 1289.7 | 1279.1 | 1273.5 | 1264.4 | 1255.9 | 1250.3 | 1252.8 | 1254.8 | 1253.8 | 1252.3 |
| 5° | 1259.9 | 1250.3 | 1235.6 | 1223.0 | 1213.9 | 1197.3 | 1190.2 | 1186.6 | 1183.6 | 1180.1 | 1176.5 |
| 7.5° | 1223.5 | 1209.9 | 1189.2 | 1173.0 | 1156.8 | 1135.6 | 1125.0 | 1119.0 | 1112.4 | 1104.8 | 1097.7 |
| 10° | 1184.1 | 1162.9 | 1140.7 | 1115.4 | 1095.2 | 1076.5 | 1059.8 | 1048.7 | 1038.6 | 1029.0 | 1022.0 |
| 12.5° | 1142.7 | 1117.4 | 1088.6 | 1051.8 | 1029.0 | 1000.2 | 1001.2 | 979.5 | 962.3 | 957.3 | 948.7 |
| 15° | 1098.2 | 1063.9 | 1029.0 | 988.1 | 970.4 | 946.2 | 931.0 | 915.9 | 902.2 | 892.6 | 890.1 |
| 17.5° | 1049.7 | 1003.8 | 969.9 | 939.6 | 910.8 | 886.1 | 872.9 | 860.8 | 849.2 | 835.0 | 834.5 |
| 20° | 992.7 | 954.3 | 916.4 | 890.6 | 860.8 | 835.6 | 818.4 | 806.3 | 796.7 | 789.1 | 782.5 |
| 22.5° | 938.6 | 895.7 | 861.8 | 833.0 | 803.7 | 784.5 | 771.9 | 760.3 | 752.7 | 744.1 | 738.1 |
| 25° | 880.0 | 847.2 | 809.3 | 777.5 | 753.2 | 740.1 | 729.0 | 718.9 | 713.8 | 708.2 | 701.2 |
| 27.5° | 830.0 | 793.6 | 756.2 | 731.5 | 709.3 | 697.6 | 689.1 | 681.5 | 676.9 | 673.4 | 668.8 |
| 30° | 776.4 | 739.6 | 711.8 | 687.5 | 669.9 | 658.2 | 653.2 | 649.1 | 643.6 | 641.6 | 639.5 |
| 32.5° | 724.9 | 692.6 | 669.9 | 649.6 | 633.0 | 626.4 | 621.9 | 618.3 | 614.3 | 612.3 | 607.7 |
| 35° | 676.9 | 649.1 | 625.9 | 614.3 | 600.6 | 594.1 | 590.5 | 585.5 | 581.5 | 579.4 | 578.9 |
| 37.5° | 631.0 | 605.7 | 590.0 | 574.4 | 567.8 | 564.3 | 559.2 | 555.7 | 554.2 | 553.7 | 553.2 |
| 40° | 586.5 | 566.8 | 553.2 | 541.0 | 538.5 | 532.4 | 528.4 | 525.4 | 525.4 | 525.9 | 525.4 |
| 42.5° | 546.1 | 528.9 | 517.3 | 507.2 | 504.2 | 501.1 | 497.1 | 497.6 | 498.6 | 500.6 | 498.6 |
| 45° | 505.2 | 492.5 | 484.0 | 478.9 | 473.3 | 469.8 | 469.3 | 470.8 | 471.3 | 471.8 | 473.3 |
| 47.5° | 466.8 | 458.7 | 450.6 | 444.5 | 442.0 | 441.5 | 440.5 | 443.0 | 445.6 | 446.1 | 448.6 |
| 50° | 433.4 | 423.8 | 417.3 | 413.7 | 411.7 | 410.7 | 411.7 | 414.7 | 416.8 | 419.3 | 420.8 |
| 52.5° | 396.1 | 390.0 | 386.0 | 383.4 | 382.9 | 383.9 | 383.9 | 387.5 | 391.0 | 391.5 | 392.0 |
| 55° | 362.2 | 357.2 | 356.1 | 351.6 | 353.6 | 353.1 | 355.6 | 357.7 | 360.7 | 363.7 | 364.2 |
| 57.5° | 327.9 | 323.3 | 320.3 | 320.8 | 321.3 | 323.3 | 325.3 | 328.9 | 332.4 | 335.9 | 335.9 |
| 60° | 293.5 | 291.5 | 290.0 | 290.0 | 291.0 | 294.0 | 296.5 | 300.1 | 302.1 | 304.1 | 305.6 |
| 62.5° | 262.2 | 260.2 | 258.6 | 259.7 | 262.7 | 264.2 | 267.2 | 268.8 | 270.8 | 272.8 | 273.3 |
| 65° | 228.8 | 227.8 | 229.3 | 230.4 | 230.9 | 233.4 | 236.9 | 238.4 | 240.5 | 241.5 | 245.0 |
| 67.5° | 198.5 | 198.5 | 198.0 | 199.5 | 202.6 | 203.1 | 206.6 | 210.7 | 210.7 | 212.7 | 215.2 |
| 70° | 167.7 | 168.7 | 169.7 | 170.7 | 173.3 | 174.3 | 176.8 | 178.3 | 180.3 | 181.9 | 183.4 |
| 72.5° | 139.4 | 139.4 | 140.4 | 139.9 | 142.0 | 144.5 | 146.5 | 148.0 | 150.0 | 152.1 | 153.6 |
| 75° | 111.6 | 111.6 | 112.7 | 113.2 | 115.7 | 118.2 | 117.7 | 118.7 | 120.7 | 122.8 | 123.8 |
| 77.5° | 86.4 | 85.4 | 86.4 | 86.9 | 87.9 | 89.9 | 90.4 | 91.9 | 94.5 | 94.0 | 95.0 |
| 80° | 62.1 | 60.6 | 62.1 | 62.6 | 62.6 | 65.2 | 65.2 | 66.2 | 67.7 | 66.2 | 67.7 |
| 82.5° | 39.9 | 39.4 | 40.4 | 40.4 | 41.4 | 40.9 | 41.9 | 41.9 | 43.4 | 42.9 | 43.4 |
| 85° | 22.2 | 21.7 | 22.2 | 21.7 | 22.2 | 22.7 | 22.7 | 22.2 | 22.2 | 23.2 | 21.7 |
| 87.5° | 8.6 | 8.1 | 7.6 | 7.6 | 7.1 | 6.6 | 6.1 | 6.1 | 6.1 | 5.1 | 5.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P242287

CATALOG NUMBER: S122DR-S865D927-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1314.5 | 1314.5 | 1314.5 | 1314.5 |
| 2.5° | 1247.3 | 1246.3 | 1246.3 | 1241.7 |
| 5° | 1169.5 | 1168.0 | 1165.4 | 1168.0 |
| 7.5° | 1095.7 | 1089.1 | 1088.1 | 1083.1 |
| 10° | 1013.4 | 1009.3 | 1008.8 | 999.2 |
| 12.5° | 950.7 | 939.6 | 942.1 | 937.6 |
| 15° | 876.5 | 876.5 | 874.5 | 865.9 |
| 17.5° | 823.4 | 822.9 | 818.4 | 821.4 |
| 20° | 777.0 | 773.9 | 767.9 | 767.9 |
| 22.5° | 733.0 | 733.5 | 726.9 | 729.5 |
| 25° | 700.7 | 696.6 | 693.6 | 695.1 |
| 27.5° | 667.3 | 665.8 | 665.3 | 660.8 |
| 30° | 639.0 | 634.0 | 635.0 | 632.5 |
| 32.5° | 606.7 | 605.7 | 604.2 | 602.2 |
| 35° | 577.9 | 578.4 | 575.9 | 576.9 |
| 37.5° | 552.2 | 554.2 | 552.7 | 552.7 |
| 40° | 526.9 | 526.9 | 526.9 | 528.4 |
| 42.5° | 502.6 | 501.6 | 500.6 | 500.1 |
| 45° | 474.4 | 475.9 | 476.4 | 473.8 |
| 47.5° | 449.6 | 450.1 | 449.6 | 452.6 |
| 50° | 423.3 | 422.3 | 423.3 | 422.3 |
| 52.5° | 395.5 | 396.1 | 395.0 | 395.0 |
| 55° | 366.2 | 367.3 | 366.8 | 366.8 |
| 57.5° | 336.4 | 336.9 | 338.0 | 335.4 |
| 60° | 305.1 | 307.6 | 307.1 | 306.1 |
| 62.5° | 276.3 | 276.8 | 276.8 | 276.8 |
| 65° | 246.5 | 247.5 | 246.0 | 247.5 |
| 67.5° | 214.2 | 214.7 | 215.7 | 216.2 |
| 70° | 184.4 | 183.9 | 185.4 | 186.9 |
| 72.5° | 153.1 | 154.6 | 153.6 | 154.6 |
| 75° | 122.8 | 124.3 | 123.8 | 125.3 |
| 77.5° | 94.0 | 94.5 | 94.5 | 95.0 |
| 80° | 67.7 | 66.7 | 65.7 | 67.7 |
| 82.5° | 41.9 | 42.9 | 41.9 | 41.4 |
| 85° | 21.7 | 21.2 | 20.2 | 20.2 |
| 87.5° | 5.1 | 4.5 | 4.5 | 4.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)