

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: P243667

Luminaire Tested: **S125DR-H850D830-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P243667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-61)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DR-H850D830-X4F0-XX-UDD-A-W
Description: DEFINE 5 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3092.4 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.22 / 1.53
Luminous Opening: Rectangular (W 3.88' x L: 0.39' x H: 0')
CIE Type: Direct

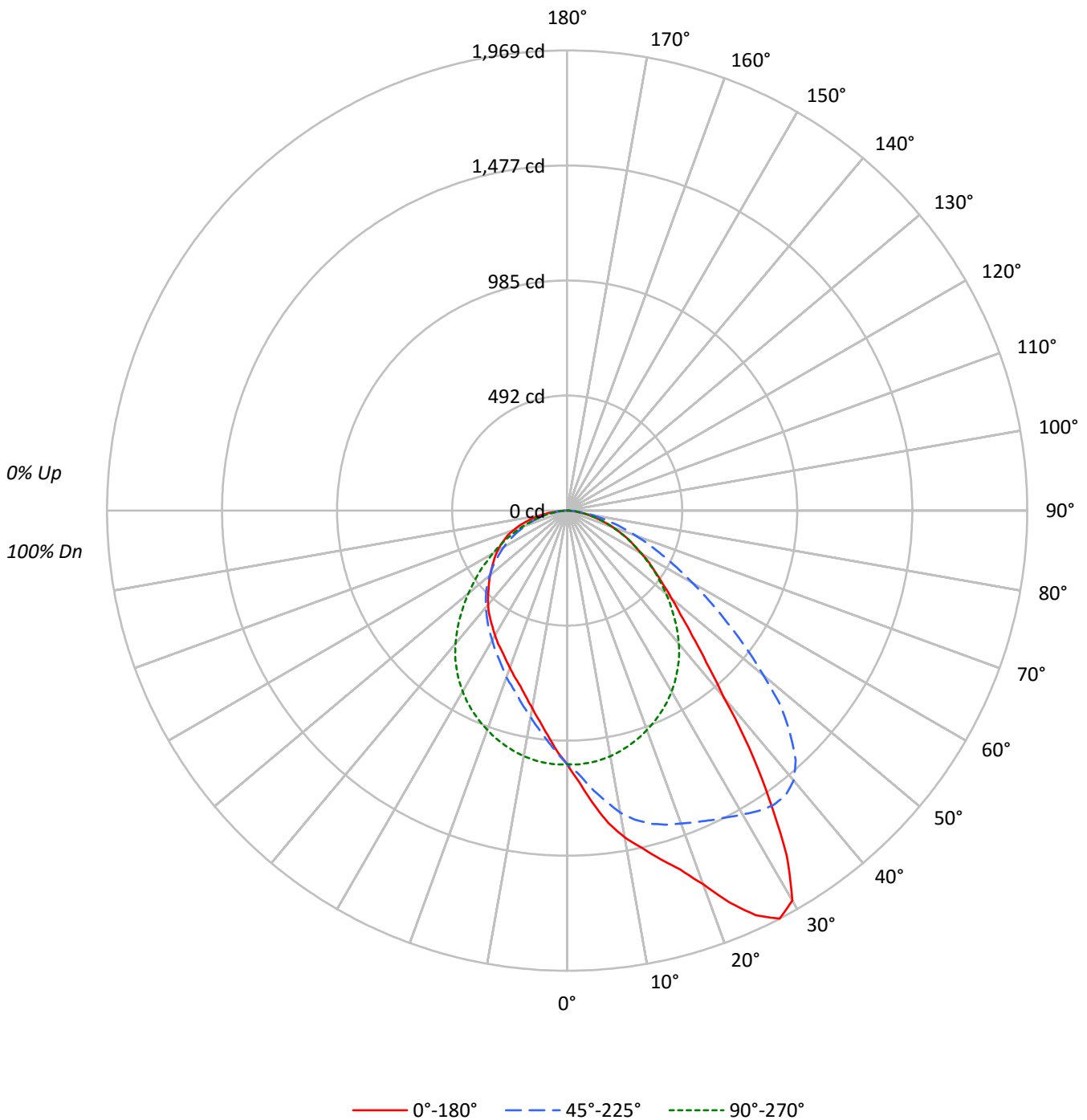
Input Watts (W): 23.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P243667

CATALOG NUMBER: S125DR-H850D830-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot





TEST NUMBER: P243667

CATALOG NUMBER: S125DR-H850D830-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 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 99 | 96 | 93 | | 95 | 92 | 90 | | 91 | 89 | 87 | 85 |
| 2 | 100 | 92 | 86 | 80 | 97 | 90 | 84 | 79 | 87 | 82 | 78 | | 84 | 79 | 76 | | 81 | 77 | 74 | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | | 74 | 69 | 65 | | 72 | 67 | 63 | 61 |
| 4 | 84 | 73 | 64 | 58 | 82 | 71 | 63 | 57 | 69 | 62 | 56 | | 66 | 61 | 56 | | 64 | 59 | 55 | 53 |
| 5 | 78 | 65 | 56 | 50 | 75 | 64 | 56 | 50 | 62 | 55 | 49 | | 60 | 54 | 49 | | 58 | 53 | 48 | 46 |
| 6 | 72 | 59 | 50 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 43 | | 54 | 48 | 43 | | 53 | 47 | 43 | 40 |
| 7 | 67 | 53 | 45 | 39 | 65 | 53 | 44 | 39 | 51 | 44 | 38 | | 50 | 43 | 38 | | 48 | 42 | 38 | 36 |
| 8 | 62 | 49 | 40 | 35 | 60 | 48 | 40 | 35 | 47 | 40 | 34 | | 46 | 39 | 34 | | 44 | 38 | 34 | 32 |
| 9 | 58 | 45 | 37 | 31 | 57 | 44 | 36 | 31 | 43 | 36 | 31 | | 42 | 36 | 31 | | 41 | 35 | 31 | 29 |
| 10 | 54 | 41 | 34 | 28 | 53 | 41 | 33 | 28 | 40 | 33 | 28 | | 39 | 33 | 28 | | 38 | 32 | 28 | 26 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|------|------|
| 0° | 7711 | 7711 | 7711 |
| 5° | 8959 | 7729 | 6868 |
| 10° | 10250 | 7703 | 6199 |
| 15° | 11364 | 7634 | 5711 |
| 20° | 12865 | 7557 | 5418 |
| 25° | 14982 | 7460 | 5190 |
| 30° | 15816 | 7338 | 5063 |
| 35° | 13079 | 7158 | 4955 |
| 40° | 9675 | 6899 | 4882 |
| 45° | 7607 | 6523 | 4776 |
| 50° | 6442 | 6101 | 4758 |
| 55° | 5736 | 5681 | 4776 |
| 60° | 5204 | 5217 | 4878 |
| 65° | 4825 | 4780 | 5017 |
| 70° | 4335 | 4279 | 5048 |
| 75° | 3696 | 3757 | 4979 |
| 80° | 3025 | 3078 | 4646 |
| 85° | 2079 | 2185 | 3947 |



TEST NUMBER: P243667

CATALOG NUMBER: S125DR-H850D830-X4F0-XX-UDD-A-W

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 104.8 | 3.4 |
| 10°-20° | 313.2 | 10.1 |
| 20°-30° | 509.2 | 16.5 |
| 30°-40° | 619.5 | 20.0 |
| 40°-50° | 566.9 | 18.3 |
| 50°-60° | 453.7 | 14.7 |
| 60°-70° | 316.0 | 10.2 |
| 70°-80° | 167.9 | 5.4 |
| 80°-90° | 41.2 | 1.3 |
| 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° | 927.2 | 30.0 |
| 0°-40° | 1546.7 | 50.0 |
| 0°-60° | 2567.3 | 83.0 |
| 0°-90° | 3092.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3092.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1085 | 1085 | 1085 | 1085 | 1085 | |
| 5° | 1256 | 1192 | 1083 | 986 | 963 | 125 |
| 15° | 1544 | 1387 | 1038 | 821 | 776 | 443 |
| 25° | 1910 | 1461 | 951 | 695 | 662 | 872 |
| 35° | 1507 | 1539 | 825 | 591 | 571 | 935 |
| 45° | 757 | 1349 | 649 | 490 | 475 | 597 |
| 55° | 463 | 837 | 458 | 374 | 385 | 418 |
| 65° | 287 | 447 | 284 | 251 | 298 | 282 |
| 75° | 135 | 198 | 137 | 131 | 181 | 146 |
| 85° | 26 | 38 | 27 | 30 | 48 | 33 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P243667

CATALOG NUMBER: S125DR-H850D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 |
| 2.5° | 1161.6 | 1156.8 | 1155.4 | 1155.9 | 1153.2 | 1151.0 | 1145.8 | 1138.7 | 1133.9 | 1127.7 | 1126.0 |
| 5° | 1255.8 | 1243.9 | 1246.1 | 1242.6 | 1236.8 | 1229.4 | 1222.8 | 1212.2 | 1202.1 | 1192.4 | 1179.6 |
| 7.5° | 1348.2 | 1346.0 | 1339.8 | 1338.9 | 1329.7 | 1316.9 | 1303.7 | 1289.2 | 1267.6 | 1252.7 | 1235.5 |
| 10° | 1420.3 | 1424.7 | 1415.9 | 1416.4 | 1400.1 | 1387.3 | 1375.9 | 1357.0 | 1332.8 | 1312.5 | 1287.4 |
| 12.5° | 1478.4 | 1480.2 | 1478.8 | 1473.1 | 1462.6 | 1441.0 | 1430.0 | 1410.2 | 1383.8 | 1356.1 | 1336.7 |
| 15° | 1544.4 | 1539.6 | 1532.1 | 1525.0 | 1509.6 | 1494.2 | 1471.4 | 1448.0 | 1414.6 | 1386.9 | 1358.7 |
| 17.5° | 1610.4 | 1609.5 | 1600.3 | 1585.3 | 1566.0 | 1545.7 | 1511.4 | 1481.5 | 1445.8 | 1409.3 | 1374.1 |
| 20° | 1701.0 | 1696.2 | 1682.6 | 1665.4 | 1629.8 | 1601.2 | 1558.5 | 1517.6 | 1470.9 | 1425.2 | 1384.2 |
| 22.5° | 1814.6 | 1798.7 | 1785.1 | 1758.7 | 1717.8 | 1668.0 | 1620.1 | 1560.7 | 1495.6 | 1441.9 | 1390.8 |
| 25° | 1910.5 | 1903.4 | 1888.9 | 1859.4 | 1812.8 | 1753.0 | 1681.7 | 1614.4 | 1532.5 | 1461.2 | 1394.8 |
| 27.5° | 1968.6 | 1965.5 | 1956.7 | 1929.0 | 1890.2 | 1830.8 | 1754.7 | 1668.9 | 1576.1 | 1479.7 | 1400.1 |
| 30° | 1927.2 | 1927.6 | 1932.5 | 1929.4 | 1912.2 | 1874.0 | 1806.2 | 1720.0 | 1612.6 | 1501.7 | 1401.4 |
| 32.5° | 1749.4 | 1761.3 | 1799.2 | 1817.2 | 1841.4 | 1849.3 | 1819.0 | 1747.2 | 1643.4 | 1523.7 | 1405.8 |
| 35° | 1507.4 | 1536.5 | 1562.0 | 1614.8 | 1677.7 | 1729.2 | 1759.1 | 1735.8 | 1656.2 | 1538.7 | 1408.0 |
| 37.5° | 1279.5 | 1277.3 | 1316.9 | 1374.1 | 1441.0 | 1528.6 | 1613.5 | 1660.1 | 1634.2 | 1535.6 | 1404.0 |
| 40° | 1042.8 | 1063.0 | 1087.7 | 1138.3 | 1216.6 | 1324.4 | 1425.6 | 1525.5 | 1561.6 | 1508.3 | 1388.6 |
| 42.5° | 880.9 | 890.1 | 914.8 | 954.4 | 1010.7 | 1120.7 | 1220.6 | 1349.0 | 1441.4 | 1447.6 | 1354.8 |
| 45° | 756.8 | 766.9 | 774.0 | 813.1 | 865.5 | 939.4 | 1041.9 | 1171.3 | 1295.4 | 1349.0 | 1299.8 |
| 47.5° | 657.4 | 663.1 | 678.5 | 702.2 | 736.6 | 802.1 | 884.0 | 1001.4 | 1136.5 | 1240.8 | 1224.1 |
| 50° | 582.6 | 587.0 | 599.3 | 612.5 | 640.6 | 689.0 | 755.0 | 851.4 | 981.2 | 1095.2 | 1132.6 |
| 52.5° | 516.6 | 522.3 | 528.4 | 541.2 | 567.2 | 599.7 | 653.4 | 728.6 | 849.2 | 965.8 | 1025.2 |
| 55° | 462.9 | 465.1 | 471.7 | 481.4 | 501.2 | 525.8 | 568.5 | 636.7 | 721.2 | 837.3 | 919.2 |
| 57.5° | 416.2 | 414.0 | 421.1 | 427.7 | 440.9 | 461.6 | 492.4 | 543.0 | 623.5 | 722.5 | 807.8 |
| 60° | 366.1 | 368.3 | 373.6 | 378.8 | 388.1 | 406.1 | 430.3 | 470.8 | 529.8 | 618.6 | 705.8 |
| 62.5° | 323.0 | 324.7 | 326.0 | 333.5 | 341.9 | 354.6 | 374.4 | 407.4 | 456.3 | 529.8 | 607.6 |
| 65° | 286.9 | 283.8 | 285.6 | 290.8 | 297.4 | 308.0 | 326.5 | 350.7 | 387.2 | 447.0 | 511.7 |
| 67.5° | 244.6 | 245.5 | 246.0 | 249.0 | 254.8 | 264.9 | 278.1 | 297.9 | 327.8 | 374.9 | 431.6 |
| 70° | 208.6 | 209.0 | 209.4 | 212.1 | 216.9 | 222.6 | 231.9 | 247.3 | 272.8 | 309.3 | 353.8 |
| 72.5° | 171.6 | 173.4 | 173.4 | 175.6 | 179.1 | 182.2 | 191.0 | 203.7 | 223.1 | 252.1 | 289.5 |
| 75° | 134.6 | 137.7 | 138.6 | 141.2 | 144.3 | 145.2 | 151.8 | 161.9 | 174.2 | 198.0 | 227.5 |
| 77.5° | 104.7 | 104.7 | 106.5 | 109.6 | 109.6 | 112.2 | 119.2 | 123.6 | 133.3 | 149.6 | 172.0 |
| 80° | 73.9 | 75.2 | 75.2 | 76.1 | 77.9 | 80.1 | 83.2 | 87.1 | 95.5 | 107.4 | 119.2 |
| 82.5° | 48.4 | 48.8 | 49.3 | 51.5 | 50.6 | 52.8 | 54.1 | 59.0 | 62.9 | 68.6 | 76.1 |
| 85° | 25.5 | 25.5 | 26.0 | 27.3 | 28.6 | 29.0 | 29.9 | 32.1 | 35.2 | 37.8 | 42.2 |
| 87.5° | 10.6 | 10.1 | 10.1 | 11.0 | 11.0 | 11.4 | 11.9 | 12.8 | 14.5 | 14.5 | 16.3 |
| 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: P243667

CATALOG NUMBER: S125DR-H850D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 |
| 2.5° | 1124.6 | 1121.1 | 1115.0 | 1109.7 | 1103.1 | 1098.2 | 1093.4 | 1087.2 | 1081.1 | 1074.5 | 1067.4 |
| 5° | 1169.5 | 1159.0 | 1147.1 | 1135.2 | 1121.1 | 1109.7 | 1097.4 | 1083.3 | 1071.4 | 1058.2 | 1044.1 |
| 7.5° | 1221.0 | 1202.5 | 1181.8 | 1158.5 | 1136.5 | 1116.7 | 1096.5 | 1077.1 | 1059.5 | 1039.7 | 1020.4 |
| 10° | 1270.7 | 1238.6 | 1212.6 | 1181.0 | 1149.7 | 1120.7 | 1093.0 | 1067.4 | 1041.9 | 1017.3 | 993.5 |
| 12.5° | 1304.6 | 1268.1 | 1235.5 | 1199.0 | 1162.5 | 1126.0 | 1089.4 | 1054.2 | 1023.9 | 994.0 | 968.9 |
| 15° | 1327.9 | 1302.4 | 1259.3 | 1215.3 | 1167.3 | 1119.8 | 1078.4 | 1037.5 | 1001.4 | 966.7 | 936.8 |
| 17.5° | 1342.4 | 1309.4 | 1267.2 | 1221.0 | 1168.2 | 1118.5 | 1068.8 | 1019.9 | 978.6 | 941.2 | 907.3 |
| 20° | 1346.4 | 1307.7 | 1263.7 | 1215.7 | 1162.9 | 1108.4 | 1052.5 | 999.2 | 954.4 | 911.7 | 877.4 |
| 22.5° | 1342.4 | 1297.6 | 1250.5 | 1203.8 | 1148.4 | 1093.0 | 1034.4 | 976.4 | 924.9 | 880.9 | 844.8 |
| 25° | 1335.8 | 1281.7 | 1232.4 | 1177.4 | 1126.0 | 1073.2 | 1012.9 | 951.3 | 897.6 | 851.8 | 811.4 |
| 27.5° | 1327.5 | 1265.4 | 1204.7 | 1150.6 | 1094.7 | 1042.8 | 987.4 | 924.4 | 868.6 | 818.4 | 780.6 |
| 30° | 1317.8 | 1243.9 | 1176.6 | 1112.3 | 1059.5 | 1007.6 | 953.5 | 894.1 | 837.8 | 789.8 | 748.9 |
| 32.5° | 1306.8 | 1221.0 | 1141.8 | 1072.7 | 1016.4 | 968.4 | 917.8 | 861.1 | 805.6 | 754.2 | 718.5 |
| 35° | 1291.4 | 1189.8 | 1104.4 | 1029.6 | 971.1 | 919.2 | 874.7 | 825.0 | 770.0 | 722.0 | 685.1 |
| 37.5° | 1273.4 | 1162.0 | 1066.6 | 985.6 | 921.8 | 868.6 | 827.6 | 787.2 | 735.7 | 689.5 | 653.8 |
| 40° | 1249.2 | 1128.6 | 1026.5 | 939.0 | 870.8 | 818.4 | 778.4 | 743.6 | 700.9 | 654.3 | 622.2 |
| 42.5° | 1217.5 | 1091.6 | 981.2 | 887.9 | 821.9 | 766.0 | 728.6 | 697.0 | 660.4 | 620.0 | 588.3 |
| 45° | 1181.4 | 1049.4 | 930.6 | 839.1 | 767.4 | 714.1 | 677.6 | 649.0 | 621.3 | 585.2 | 555.7 |
| 47.5° | 1125.1 | 999.7 | 884.8 | 783.6 | 713.2 | 661.8 | 627.4 | 600.2 | 579.5 | 550.9 | 521.8 |
| 50° | 1058.2 | 943.4 | 830.7 | 729.1 | 657.8 | 608.1 | 575.5 | 551.8 | 534.2 | 512.2 | 490.2 |
| 52.5° | 984.7 | 880.0 | 771.3 | 676.3 | 605.0 | 557.9 | 523.6 | 502.5 | 491.0 | 473.4 | 456.3 |
| 55° | 898.9 | 808.7 | 707.5 | 620.8 | 550.9 | 502.9 | 473.4 | 458.5 | 445.7 | 436.9 | 421.5 |
| 57.5° | 812.7 | 736.6 | 646.4 | 560.6 | 496.3 | 453.6 | 427.2 | 410.5 | 401.3 | 395.1 | 384.1 |
| 60° | 718.5 | 658.7 | 576.0 | 501.6 | 444.4 | 403.9 | 380.6 | 367.0 | 358.6 | 355.1 | 347.6 |
| 62.5° | 628.8 | 583.0 | 507.8 | 445.7 | 394.7 | 359.0 | 335.7 | 324.7 | 319.4 | 315.5 | 311.1 |
| 65° | 540.3 | 504.2 | 444.8 | 386.8 | 343.6 | 311.5 | 293.0 | 284.2 | 280.3 | 275.9 | 275.4 |
| 67.5° | 460.7 | 427.7 | 380.2 | 332.6 | 296.6 | 269.3 | 253.0 | 244.2 | 239.8 | 240.2 | 238.0 |
| 70° | 382.4 | 356.8 | 318.1 | 279.4 | 248.6 | 227.0 | 211.6 | 205.9 | 204.2 | 203.7 | 202.0 |
| 72.5° | 309.3 | 294.8 | 260.9 | 228.4 | 204.2 | 187.4 | 175.1 | 170.3 | 168.1 | 167.2 | 167.2 |
| 75° | 245.1 | 234.5 | 205.5 | 180.8 | 162.4 | 148.7 | 140.4 | 136.8 | 133.8 | 135.5 | 134.2 |
| 77.5° | 183.9 | 175.1 | 155.3 | 137.7 | 123.6 | 112.2 | 108.2 | 105.2 | 103.4 | 103.0 | 104.7 |
| 80° | 129.4 | 124.1 | 111.8 | 97.7 | 87.1 | 80.5 | 77.9 | 75.2 | 73.9 | 73.0 | 73.9 |
| 82.5° | 83.2 | 80.1 | 71.3 | 62.9 | 56.8 | 53.2 | 50.6 | 49.3 | 47.1 | 47.5 | 48.4 |
| 85° | 45.3 | 44.4 | 38.7 | 36.1 | 30.4 | 29.9 | 28.2 | 26.8 | 27.3 | 26.4 | 27.7 |
| 87.5° | 18.5 | 17.6 | 16.3 | 15.0 | 13.2 | 11.9 | 11.0 | 11.9 | 10.6 | 11.9 | 11.4 |
| 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: P243667

CATALOG NUMBER: S125DR-H850D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 | 1085.0 |
| 2.5° | 1063.9 | 1059.1 | 1053.4 | 1048.1 | 1040.2 | 1034.9 | 1032.2 | 1033.1 | 1030.0 | 1029.2 | 1028.7 |
| 5° | 1035.8 | 1024.8 | 1014.2 | 1005.4 | 996.2 | 985.6 | 978.1 | 975.9 | 975.0 | 972.8 | 968.0 |
| 7.5° | 1006.7 | 992.6 | 979.0 | 966.2 | 953.0 | 940.7 | 933.2 | 927.1 | 923.6 | 917.4 | 916.1 |
| 10° | 975.9 | 958.8 | 944.2 | 925.8 | 909.9 | 897.2 | 887.5 | 882.2 | 879.1 | 873.4 | 868.6 |
| 12.5° | 946.4 | 928.4 | 906.0 | 889.2 | 872.5 | 859.3 | 848.3 | 839.5 | 837.3 | 829.8 | 825.9 |
| 15° | 914.8 | 892.8 | 872.5 | 853.2 | 837.3 | 820.6 | 814.0 | 806.1 | 798.2 | 791.6 | 790.2 |
| 17.5° | 884.4 | 858.0 | 838.2 | 819.3 | 799.9 | 787.6 | 778.8 | 773.5 | 767.4 | 763.8 | 757.7 |
| 20° | 847.9 | 826.3 | 804.3 | 786.7 | 770.0 | 759.4 | 747.6 | 742.7 | 738.3 | 730.0 | 727.3 |
| 22.5° | 817.1 | 791.1 | 772.6 | 755.0 | 740.1 | 725.1 | 716.8 | 711.9 | 705.3 | 700.9 | 697.4 |
| 25° | 785.0 | 763.4 | 740.1 | 722.5 | 709.7 | 694.8 | 689.0 | 682.9 | 677.2 | 673.2 | 669.7 |
| 27.5° | 753.7 | 730.0 | 711.0 | 693.4 | 680.2 | 669.7 | 661.8 | 655.2 | 651.2 | 648.1 | 645.9 |
| 30° | 721.2 | 699.2 | 681.6 | 665.3 | 650.3 | 641.5 | 634.0 | 631.4 | 627.0 | 624.8 | 621.3 |
| 32.5° | 691.7 | 669.2 | 652.5 | 638.4 | 625.2 | 616.4 | 612.0 | 608.1 | 603.7 | 599.7 | 599.3 |
| 35° | 658.2 | 638.9 | 623.5 | 608.1 | 598.4 | 591.4 | 586.5 | 582.6 | 579.0 | 576.0 | 574.2 |
| 37.5° | 628.8 | 610.3 | 593.1 | 582.1 | 571.6 | 565.4 | 560.1 | 558.8 | 555.3 | 555.7 | 553.1 |
| 40° | 597.1 | 580.4 | 565.8 | 554.8 | 547.8 | 541.2 | 537.7 | 533.3 | 531.1 | 531.5 | 529.3 |
| 42.5° | 566.3 | 550.9 | 537.7 | 527.6 | 520.1 | 515.2 | 512.2 | 508.6 | 506.0 | 504.2 | 503.8 |
| 45° | 535.0 | 521.4 | 510.4 | 500.3 | 494.1 | 489.7 | 485.8 | 481.4 | 479.2 | 478.3 | 477.8 |
| 47.5° | 504.2 | 491.9 | 480.0 | 473.0 | 467.3 | 463.3 | 459.4 | 455.8 | 454.1 | 452.8 | 450.6 |
| 50° | 472.6 | 460.2 | 451.9 | 443.1 | 438.2 | 433.0 | 428.6 | 426.8 | 424.6 | 424.2 | 426.4 |
| 52.5° | 439.6 | 429.9 | 422.4 | 415.4 | 409.6 | 403.9 | 399.5 | 397.3 | 398.6 | 398.6 | 401.3 |
| 55° | 408.3 | 398.2 | 391.2 | 385.4 | 379.3 | 374.0 | 369.6 | 369.6 | 369.6 | 372.2 | 375.8 |
| 57.5° | 373.6 | 364.8 | 359.5 | 352.9 | 347.2 | 343.6 | 340.6 | 340.1 | 341.9 | 346.3 | 350.2 |
| 60° | 338.4 | 332.2 | 326.5 | 321.2 | 315.5 | 312.8 | 312.4 | 311.5 | 314.2 | 318.6 | 326.9 |
| 62.5° | 303.6 | 299.6 | 292.6 | 290.0 | 285.1 | 282.0 | 282.0 | 282.9 | 286.9 | 293.9 | 301.4 |
| 65° | 270.2 | 264.4 | 259.2 | 256.5 | 253.4 | 250.8 | 250.8 | 254.3 | 260.0 | 266.6 | 275.9 |
| 67.5° | 235.8 | 231.0 | 227.5 | 224.8 | 221.3 | 220.0 | 221.3 | 225.3 | 232.3 | 238.9 | 248.6 |
| 70° | 198.9 | 198.0 | 194.9 | 191.4 | 189.6 | 189.6 | 191.0 | 195.4 | 200.6 | 210.8 | 219.1 |
| 72.5° | 165.0 | 165.0 | 163.2 | 161.0 | 159.7 | 161.0 | 161.9 | 166.3 | 172.9 | 181.7 | 191.0 |
| 75° | 134.2 | 132.9 | 131.6 | 130.7 | 130.2 | 131.1 | 132.4 | 136.0 | 143.9 | 152.2 | 159.7 |
| 77.5° | 103.8 | 103.0 | 101.6 | 102.5 | 102.5 | 103.0 | 106.9 | 110.9 | 115.3 | 121.9 | 129.8 |
| 80° | 74.8 | 75.2 | 73.9 | 73.5 | 75.7 | 76.6 | 79.6 | 82.7 | 85.8 | 93.3 | 99.0 |
| 82.5° | 49.3 | 50.2 | 49.7 | 50.6 | 51.5 | 51.5 | 55.0 | 58.1 | 60.7 | 66.0 | 70.4 |
| 85° | 28.2 | 28.6 | 28.6 | 29.9 | 30.8 | 30.4 | 33.4 | 35.2 | 36.5 | 40.5 | 43.1 |
| 87.5° | 12.3 | 12.8 | 13.2 | 13.2 | 13.2 | 15.0 | 15.4 | 16.3 | 16.7 | 17.6 | 18.9 |
| 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: P243667

CATALOG NUMBER: S125DR-H850D830-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1085.0 | 1085.0 | 1085.0 | 1085.0 |
| 2.5° | 1024.8 | 1024.3 | 1026.5 | 1027.8 |
| 5° | 964.9 | 963.6 | 961.8 | 962.7 |
| 7.5° | 911.7 | 908.2 | 907.3 | 907.3 |
| 10° | 864.6 | 861.1 | 860.2 | 858.9 |
| 12.5° | 824.6 | 819.3 | 817.1 | 814.9 |
| 15° | 786.7 | 785.8 | 781.0 | 776.2 |
| 17.5° | 752.0 | 753.3 | 748.4 | 746.2 |
| 20° | 722.9 | 719.0 | 717.2 | 716.3 |
| 22.5° | 693.4 | 690.4 | 690.4 | 687.3 |
| 25° | 667.0 | 664.4 | 664.8 | 661.8 |
| 27.5° | 642.4 | 642.0 | 641.5 | 640.6 |
| 30° | 619.5 | 617.8 | 616.0 | 616.9 |
| 32.5° | 597.5 | 594.9 | 593.6 | 593.1 |
| 35° | 574.6 | 573.8 | 572.0 | 571.1 |
| 37.5° | 552.2 | 552.6 | 550.4 | 550.0 |
| 40° | 528.0 | 527.6 | 527.1 | 526.2 |
| 42.5° | 502.5 | 501.2 | 502.0 | 501.6 |
| 45° | 477.0 | 475.6 | 476.5 | 475.2 |
| 47.5° | 451.9 | 452.8 | 452.8 | 453.2 |
| 50° | 427.2 | 429.0 | 429.0 | 430.3 |
| 52.5° | 404.4 | 407.9 | 407.9 | 407.4 |
| 55° | 379.7 | 383.7 | 385.0 | 385.4 |
| 57.5° | 356.4 | 360.4 | 364.3 | 365.2 |
| 60° | 331.3 | 338.4 | 342.3 | 343.2 |
| 62.5° | 308.9 | 315.5 | 320.8 | 321.2 |
| 65° | 283.8 | 291.7 | 296.6 | 298.3 |
| 67.5° | 258.3 | 264.4 | 271.0 | 273.7 |
| 70° | 229.2 | 236.7 | 241.1 | 242.9 |
| 72.5° | 198.9 | 207.2 | 213.0 | 213.8 |
| 75° | 169.8 | 176.0 | 180.4 | 181.3 |
| 77.5° | 136.8 | 143.0 | 147.0 | 147.8 |
| 80° | 103.8 | 109.1 | 111.8 | 113.5 |
| 82.5° | 73.5 | 77.0 | 78.3 | 80.1 |
| 85° | 45.3 | 48.0 | 48.4 | 48.4 |
| 87.5° | 19.8 | 20.2 | 20.2 | 21.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)