

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: P242650

Luminaire Tested: **S124DR-S795D930-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P242650  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DR-S795D930-X4F0-XX-UDD-A-W  
Description: DEFINE 4 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER  
STANDARD LIGHT ENGINE  
Light Source: (92) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2715.5 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.22 / 1.41  
Luminous Opening: Rectangular (W 3.88' x L: 0.31' x H: 0')  
CIE Type: Direct

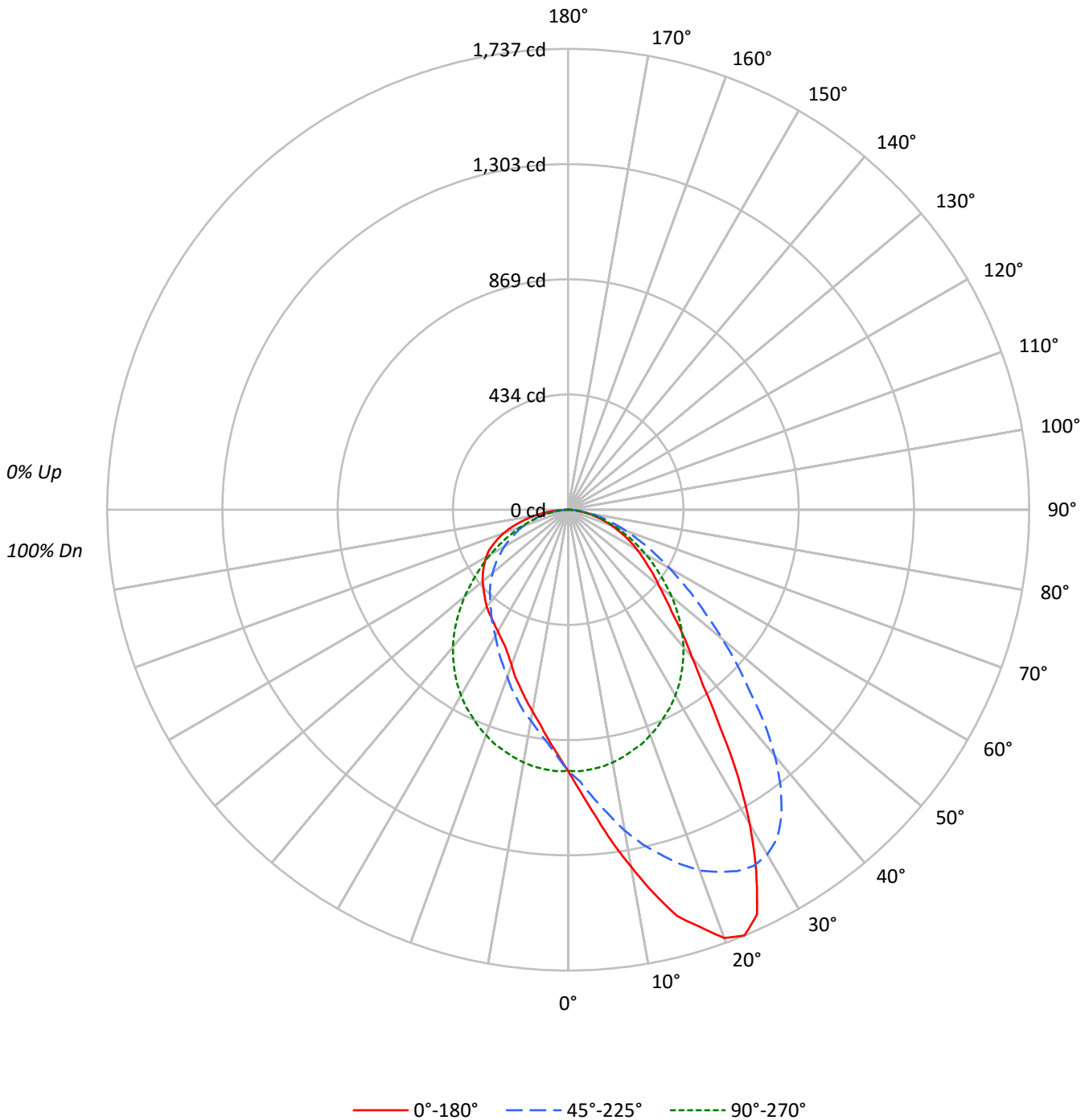
Input Watts (W): 26.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P242650

CATALOG NUMBER: S124DR-S795D930-X4F0-XX-UDD-A-W

### Luminous Intensity Polar Plot





TEST NUMBER: P242650

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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   | 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  | 98  | 95  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |
| 2   | 100 | 92  | 86  | 80  | 98  | 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  | 64  | 62  |
| 4   | 84  | 73  | 64  | 58  | 82  | 72  | 64  | 58  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 55  | 53  |
| 5   | 78  | 65  | 57  | 50  | 76  | 64  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 46  |
| 6   | 72  | 59  | 51  | 44  | 70  | 58  | 50  | 44  | 56  | 49  | 44  | 55  | 48  | 43  | 53  | 47  | 43  | 41  |
| 7   | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 38  | 36  |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 31  | 30  |
| 10  | 55  | 42  | 34  | 29  | 54  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 39  | 33  | 29  | 27  |

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

|     | 0°    | 90°  | 180° |
|-----|-------|------|------|
| 0°  | 8748  | 8748 | 8748 |
| 5°  | 10301 | 8769 | 7741 |
| 10° | 12333 | 8732 | 6969 |
| 15° | 14593 | 8643 | 6400 |
| 20° | 16249 | 8553 | 5892 |
| 25° | 16512 | 8420 | 5541 |
| 30° | 14050 | 8293 | 5431 |
| 35° | 10803 | 8086 | 5432 |
| 40° | 8420  | 7843 | 5535 |
| 45° | 7021  | 7477 | 5627 |
| 50° | 6179  | 7029 | 5818 |
| 55° | 5661  | 6495 | 6052 |
| 60° | 5305  | 6016 | 6334 |
| 65° | 4939  | 5479 | 6569 |
| 70° | 4514  | 4948 | 6718 |
| 75° | 4032  | 4355 | 6635 |
| 80° | 3378  | 3568 | 6429 |
| 85° | 2499  | 2580 | 6150 |



TEST NUMBER: P242650

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.8   | 3.5       |
| 10°-20°   | 295.6  | 10.9      |
| 20°-30°   | 469.6  | 17.3      |
| 30°-40°   | 521.8  | 19.2      |
| 40°-50°   | 474.6  | 17.5      |
| 50°-60°   | 387.8  | 14.3      |
| 60°-70°   | 276.8  | 10.2      |
| 70°-80°   | 152.3  | 5.6       |
| 80°-90°   | 41.2   | 1.5       |
| 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°    | 861.0  | 31.7      |
| 0°-40°    | 1382.8 | 50.9      |
| 0°-60°    | 2245.2 | 82.7      |
| 0°-90°    | 2715.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2715.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 984  | 984  | 984 | 984  | 984  |      |
| 5°  | 1154 | 1090 | 983 | 883  | 868  | 117  |
| 15° | 1586 | 1346 | 939 | 740  | 696  | 448  |
| 25° | 1684 | 1503 | 858 | 609  | 565  | 747  |
| 35° | 996  | 1402 | 745 | 503  | 501  | 630  |
| 45° | 558  | 968  | 595 | 417  | 448  | 439  |
| 55° | 365  | 582  | 419 | 326  | 390  | 330  |
| 65° | 235  | 324  | 260 | 226  | 312  | 232  |
| 75° | 117  | 151  | 127 | 126  | 193  | 125  |
| 85° | 24   | 31   | 25  | 36   | 60   | 30   |
| 90° | 0    | 0    | 0   | 0    | 0    |      |



TEST NUMBER: P242650

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 984.1  | 984.1  | 984.1  | 984.1  | 984.1  | 984.1  | 984.1  | 984.1  | 984.1  | 984.1  | 984.1  |
| 2.5°  | 1063.2 | 1062.7 | 1058.7 | 1057.9 | 1055.0 | 1051.3 | 1050.5 | 1044.0 | 1031.0 | 1024.8 | 1023.2 |
| 5°    | 1154.5 | 1162.6 | 1152.0 | 1150.0 | 1148.8 | 1135.3 | 1128.4 | 1120.2 | 1101.5 | 1090.5 | 1081.9 |
| 7.5°  | 1261.3 | 1261.7 | 1257.2 | 1252.7 | 1245.0 | 1233.6 | 1218.1 | 1200.1 | 1178.5 | 1156.5 | 1141.0 |
| 10°   | 1366.4 | 1369.7 | 1364.4 | 1363.6 | 1342.8 | 1329.8 | 1303.7 | 1281.7 | 1256.4 | 1228.3 | 1202.6 |
| 12.5° | 1477.3 | 1470.8 | 1468.8 | 1447.2 | 1447.6 | 1421.1 | 1389.7 | 1366.9 | 1324.5 | 1291.0 | 1254.8 |
| 15°   | 1585.8 | 1576.8 | 1571.1 | 1547.0 | 1535.2 | 1502.2 | 1470.0 | 1445.1 | 1394.2 | 1345.7 | 1309.0 |
| 17.5° | 1648.5 | 1659.6 | 1644.9 | 1635.1 | 1602.9 | 1581.3 | 1549.1 | 1498.1 | 1460.2 | 1399.9 | 1357.9 |
| 20°   | 1717.8 | 1718.7 | 1711.3 | 1701.1 | 1677.1 | 1647.7 | 1611.9 | 1554.8 | 1507.1 | 1447.2 | 1383.6 |
| 22.5° | 1736.6 | 1736.6 | 1734.6 | 1725.2 | 1708.5 | 1686.0 | 1649.8 | 1604.5 | 1544.2 | 1477.7 | 1414.1 |
| 25°   | 1683.6 | 1682.0 | 1685.6 | 1696.2 | 1689.3 | 1682.0 | 1661.2 | 1625.7 | 1571.9 | 1503.0 | 1434.5 |
| 27.5° | 1533.6 | 1544.2 | 1566.2 | 1592.3 | 1611.0 | 1627.8 | 1626.5 | 1611.4 | 1573.1 | 1513.6 | 1440.6 |
| 30°   | 1368.9 | 1382.8 | 1398.2 | 1424.3 | 1474.9 | 1503.8 | 1535.6 | 1559.7 | 1546.2 | 1501.0 | 1434.1 |
| 32.5° | 1187.9 | 1188.7 | 1213.6 | 1244.2 | 1289.4 | 1351.8 | 1406.8 | 1461.8 | 1485.5 | 1467.1 | 1414.1 |
| 35°   | 995.5  | 1001.2 | 1026.1 | 1055.4 | 1112.1 | 1180.2 | 1256.0 | 1323.6 | 1379.5 | 1401.9 | 1373.4 |
| 37.5° | 834.1  | 852.0  | 870.7  | 904.2  | 955.9  | 1017.5 | 1099.0 | 1183.4 | 1265.4 | 1315.1 | 1320.4 |
| 40°   | 725.6  | 735.8  | 748.4  | 772.5  | 814.9  | 875.2  | 942.9  | 1043.2 | 1131.6 | 1211.5 | 1237.6 |
| 42.5° | 640.0  | 644.9  | 651.4  | 672.6  | 702.4  | 762.3  | 822.6  | 907.8  | 996.7  | 1096.2 | 1144.3 |
| 45°   | 558.5  | 564.6  | 577.6  | 590.3  | 614.7  | 656.3  | 713.8  | 786.4  | 875.6  | 967.8  | 1048.5 |
| 47.5° | 497.3  | 501.4  | 509.6  | 523.4  | 545.4  | 573.6  | 622.5  | 684.0  | 771.3  | 860.6  | 947.0  |
| 50°   | 446.8  | 450.0  | 456.2  | 468.4  | 484.3  | 508.7  | 547.1  | 603.7  | 668.5  | 758.6  | 843.0  |
| 52.5° | 406.8  | 407.7  | 411.7  | 419.1  | 430.9  | 450.5  | 480.2  | 524.6  | 583.8  | 661.6  | 745.6  |
| 55°   | 365.3  | 366.9  | 371.0  | 377.1  | 388.1  | 401.1  | 425.2  | 460.2  | 512.8  | 582.5  | 655.5  |
| 57.5° | 331.0  | 332.6  | 335.9  | 338.4  | 348.1  | 359.1  | 378.7  | 404.0  | 445.2  | 507.1  | 573.6  |
| 60°   | 298.4  | 297.6  | 301.7  | 303.7  | 309.8  | 318.8  | 333.1  | 357.1  | 391.8  | 439.4  | 499.4  |
| 62.5° | 266.6  | 265.4  | 268.6  | 271.5  | 274.3  | 281.7  | 292.7  | 310.2  | 336.7  | 378.7  | 428.4  |
| 65°   | 234.8  | 233.2  | 235.2  | 238.5  | 241.7  | 245.8  | 254.4  | 271.1  | 293.5  | 324.5  | 364.0  |
| 67.5° | 202.2  | 204.2  | 204.2  | 206.3  | 208.3  | 214.0  | 220.1  | 233.2  | 249.1  | 274.3  | 309.4  |
| 70°   | 173.7  | 174.1  | 175.7  | 175.7  | 176.9  | 181.8  | 186.7  | 193.6  | 209.1  | 232.0  | 259.3  |
| 72.5° | 145.1  | 147.2  | 145.9  | 147.6  | 148.4  | 151.2  | 154.5  | 161.0  | 173.7  | 189.2  | 211.2  |
| 75°   | 117.4  | 118.6  | 118.6  | 119.0  | 120.3  | 121.5  | 124.3  | 129.2  | 138.6  | 151.2  | 167.1  |
| 77.5° | 90.5   | 90.5   | 91.3   | 92.9   | 92.9   | 95.0   | 97.4   | 101.1  | 106.4  | 115.8  | 126.0  |
| 80°   | 66.0   | 66.9   | 66.4   | 67.3   | 67.3   | 68.9   | 69.7   | 74.6   | 76.6   | 82.3   | 90.1   |
| 82.5° | 44.0   | 44.8   | 44.8   | 46.1   | 46.9   | 46.9   | 48.1   | 49.3   | 51.4   | 56.3   | 58.3   |
| 85°   | 24.5   | 25.3   | 24.5   | 25.3   | 26.5   | 26.9   | 28.1   | 28.5   | 30.2   | 31.4   | 34.2   |
| 87.5° | 9.0    | 10.2   | 10.2   | 10.6   | 11.4   | 11.8   | 12.2   | 11.8   | 13.5   | 13.9   | 15.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 984.1  | 984.1  | 984.1  | 984.1  | 984.1  | 984.1  | 984.1 | 984.1 | 984.1 | 984.1 | 984.1 |
| 2.5°  | 1023.6 | 1017.9 | 1013.8 | 1010.6 | 1001.6 | 996.3  | 992.2 | 986.5 | 980.0 | 973.1 | 964.5 |
| 5°    | 1073.3 | 1059.5 | 1049.3 | 1033.8 | 1019.1 | 1006.9 | 994.3 | 982.8 | 969.0 | 953.9 | 942.9 |
| 7.5°  | 1124.3 | 1105.1 | 1079.5 | 1059.5 | 1035.4 | 1014.6 | 996.3 | 977.1 | 956.8 | 937.2 | 918.8 |
| 10°   | 1172.4 | 1145.9 | 1116.6 | 1081.9 | 1049.3 | 1020.4 | 993.4 | 967.4 | 942.1 | 916.8 | 895.2 |
| 12.5° | 1224.2 | 1189.5 | 1142.6 | 1100.7 | 1063.2 | 1022.0 | 988.1 | 954.7 | 922.9 | 896.0 | 869.9 |
| 15°   | 1269.4 | 1221.7 | 1171.6 | 1117.4 | 1069.3 | 1024.0 | 979.6 | 939.2 | 905.0 | 869.9 | 845.5 |
| 17.5° | 1298.0 | 1238.9 | 1185.0 | 1128.4 | 1072.9 | 1016.3 | 970.2 | 925.0 | 882.6 | 848.3 | 817.8 |
| 20°   | 1326.1 | 1267.4 | 1196.1 | 1139.4 | 1070.1 | 1011.4 | 955.9 | 904.2 | 859.3 | 822.2 | 790.4 |
| 22.5° | 1350.6 | 1280.4 | 1209.1 | 1130.0 | 1061.1 | 997.9  | 936.0 | 883.8 | 837.7 | 798.2 | 768.0 |
| 25°   | 1356.3 | 1278.4 | 1200.9 | 1126.8 | 1048.5 | 974.7  | 919.7 | 858.5 | 809.6 | 768.4 | 735.8 |
| 27.5° | 1358.3 | 1276.0 | 1189.9 | 1109.2 | 1028.5 | 961.2  | 889.5 | 836.1 | 785.5 | 741.9 | 710.9 |
| 30°   | 1353.8 | 1267.0 | 1172.8 | 1083.5 | 1002.4 | 927.8  | 867.5 | 808.0 | 756.2 | 713.0 | 680.4 |
| 32.5° | 1339.5 | 1248.2 | 1150.8 | 1055.0 | 970.2  | 897.6  | 834.9 | 779.0 | 728.9 | 686.5 | 651.8 |
| 35°   | 1309.4 | 1220.1 | 1117.0 | 1018.7 | 932.7  | 858.9  | 802.7 | 745.2 | 694.6 | 654.3 | 621.3 |
| 37.5° | 1269.0 | 1185.9 | 1081.1 | 978.8  | 896.0  | 821.0  | 764.3 | 711.4 | 665.7 | 624.1 | 589.9 |
| 40°   | 1212.8 | 1141.8 | 1036.7 | 937.6  | 846.3  | 775.8  | 723.6 | 675.9 | 630.6 | 591.9 | 559.7 |
| 42.5° | 1147.9 | 1088.4 | 993.4  | 887.1  | 799.8  | 728.9  | 678.3 | 636.8 | 594.8 | 559.7 | 527.5 |
| 45°   | 1068.5 | 1027.7 | 936.4  | 839.4  | 747.6  | 680.8  | 632.3 | 594.8 | 558.9 | 523.8 | 496.9 |
| 47.5° | 980.0  | 957.2  | 877.7  | 784.7  | 696.7  | 629.8  | 587.8 | 552.0 | 519.3 | 488.8 | 464.7 |
| 50°   | 890.7  | 880.9  | 814.5  | 725.6  | 642.5  | 580.5  | 538.1 | 508.3 | 481.4 | 455.3 | 432.9 |
| 52.5° | 802.7  | 804.7  | 746.4  | 666.9  | 591.5  | 532.4  | 490.4 | 463.1 | 440.7 | 420.7 | 401.1 |
| 55°   | 712.6  | 724.0  | 677.1  | 604.5  | 535.7  | 481.8  | 443.9 | 419.1 | 402.8 | 385.2 | 370.1 |
| 57.5° | 629.8  | 649.0  | 608.2  | 541.8  | 483.5  | 432.1  | 398.7 | 379.5 | 361.6 | 350.2 | 338.4 |
| 60°   | 549.1  | 567.0  | 536.9  | 483.1  | 428.9  | 386.5  | 355.1 | 338.4 | 323.3 | 315.9 | 308.2 |
| 62.5° | 477.4  | 492.9  | 472.5  | 423.6  | 378.3  | 337.9  | 312.7 | 296.8 | 287.8 | 279.6 | 275.2 |
| 65°   | 409.7  | 423.1  | 404.0  | 367.7  | 327.3  | 294.7  | 273.1 | 260.5 | 250.7 | 247.4 | 241.7 |
| 67.5° | 342.8  | 355.1  | 344.9  | 313.1  | 278.8  | 253.2  | 236.0 | 222.6 | 216.9 | 213.6 | 209.9 |
| 70°   | 284.5  | 296.8  | 285.8  | 258.9  | 234.0  | 213.2  | 197.3 | 190.4 | 184.3 | 183.0 | 177.3 |
| 72.5° | 235.2  | 242.6  | 231.5  | 212.0  | 191.6  | 174.9  | 163.5 | 156.1 | 153.7 | 151.2 | 148.8 |
| 75°   | 183.9  | 191.2  | 183.9  | 167.5  | 152.5  | 140.2  | 129.6 | 126.8 | 123.1 | 121.9 | 119.8 |
| 77.5° | 137.8  | 144.7  | 139.0  | 128.0  | 116.2  | 106.0  | 99.9  | 95.8  | 95.4  | 92.9  | 93.8  |
| 80°   | 99.5   | 103.5  | 98.2   | 91.3   | 82.3   | 75.8   | 71.7  | 69.7  | 67.3  | 66.4  | 68.1  |
| 82.5° | 64.4   | 65.6   | 63.6   | 59.5   | 53.4   | 49.7   | 47.3  | 44.8  | 44.8  | 45.2  | 44.8  |
| 85°   | 37.1   | 36.7   | 36.3   | 32.2   | 30.2   | 27.3   | 25.7  | 25.3  | 24.9  | 25.7  | 26.5  |
| 87.5° | 15.5   | 15.9   | 15.5   | 13.9   | 12.6   | 11.4   | 11.0  | 10.6  | 11.0  | 11.4  | 11.8  |
| 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: P242650

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**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 984.1 | 984.1 | 984.1 | 984.1 | 984.1 | 984.1 | 984.1 | 984.1 | 984.1 | 984.1 | 984.1 |
| 2.5°  | 960.4 | 956.8 | 951.5 | 944.1 | 938.0 | 931.5 | 929.9 | 927.4 | 932.3 | 928.2 | 927.0 |
| 5°    | 933.5 | 925.0 | 914.0 | 901.3 | 894.0 | 883.4 | 881.3 | 877.3 | 873.2 | 872.8 | 868.7 |
| 7.5°  | 905.4 | 893.6 | 879.7 | 866.7 | 855.3 | 843.8 | 836.5 | 835.7 | 829.2 | 825.9 | 821.8 |
| 10°   | 878.5 | 863.0 | 846.3 | 834.1 | 820.2 | 808.0 | 799.4 | 794.5 | 790.4 | 786.0 | 781.9 |
| 12.5° | 846.7 | 830.0 | 816.9 | 803.5 | 786.4 | 777.8 | 762.3 | 752.9 | 752.9 | 754.2 | 741.9 |
| 15°   | 823.5 | 807.2 | 786.0 | 767.2 | 758.2 | 740.3 | 732.6 | 722.8 | 716.7 | 710.5 | 705.6 |
| 17.5° | 794.9 | 774.9 | 758.6 | 737.4 | 720.7 | 707.3 | 696.7 | 691.4 | 681.6 | 672.6 | 666.5 |
| 20°   | 768.4 | 746.8 | 729.3 | 706.5 | 687.7 | 670.2 | 661.6 | 653.5 | 646.5 | 639.2 | 632.3 |
| 22.5° | 741.5 | 718.7 | 696.3 | 674.3 | 657.1 | 638.4 | 630.2 | 618.4 | 611.9 | 608.6 | 601.7 |
| 25°   | 713.0 | 688.5 | 664.1 | 642.9 | 624.9 | 608.6 | 597.6 | 589.1 | 581.7 | 578.5 | 574.0 |
| 27.5° | 682.0 | 658.0 | 634.7 | 610.3 | 589.5 | 577.6 | 568.7 | 561.7 | 557.3 | 552.4 | 550.3 |
| 30°   | 652.7 | 627.4 | 602.1 | 579.7 | 560.9 | 549.1 | 541.0 | 536.5 | 533.2 | 531.2 | 529.1 |
| 32.5° | 622.9 | 598.0 | 571.1 | 551.1 | 534.8 | 524.6 | 518.9 | 514.5 | 513.2 | 512.8 | 512.4 |
| 35°   | 590.7 | 565.4 | 541.0 | 522.6 | 506.7 | 502.6 | 497.3 | 494.9 | 494.1 | 496.9 | 498.2 |
| 37.5° | 559.7 | 536.1 | 513.2 | 494.9 | 484.3 | 477.8 | 475.7 | 475.3 | 478.2 | 480.6 | 483.5 |
| 40°   | 529.9 | 507.1 | 485.9 | 470.4 | 460.6 | 457.0 | 456.2 | 458.2 | 461.5 | 464.3 | 467.6 |
| 42.5° | 501.0 | 478.6 | 459.8 | 445.6 | 439.4 | 436.2 | 437.0 | 439.0 | 443.9 | 447.6 | 452.9 |
| 45°   | 470.8 | 452.1 | 433.3 | 421.5 | 415.8 | 416.6 | 416.6 | 420.3 | 424.8 | 430.1 | 435.4 |
| 47.5° | 442.7 | 423.6 | 407.7 | 397.5 | 394.6 | 393.4 | 395.4 | 400.3 | 406.4 | 412.5 | 419.9 |
| 50°   | 414.2 | 396.2 | 382.8 | 373.8 | 370.6 | 371.8 | 375.0 | 379.5 | 387.3 | 395.4 | 403.2 |
| 52.5° | 385.2 | 369.3 | 357.1 | 349.0 | 346.9 | 349.4 | 352.6 | 360.4 | 366.9 | 375.9 | 385.6 |
| 55°   | 355.1 | 341.2 | 331.4 | 325.3 | 324.5 | 325.7 | 329.4 | 337.1 | 346.9 | 357.9 | 366.9 |
| 57.5° | 325.3 | 313.5 | 304.1 | 299.6 | 300.0 | 300.8 | 306.6 | 315.9 | 325.7 | 337.5 | 349.0 |
| 60°   | 295.1 | 284.5 | 277.2 | 273.9 | 274.3 | 276.8 | 284.1 | 292.7 | 305.7 | 317.2 | 329.4 |
| 62.5° | 266.6 | 257.6 | 250.7 | 247.9 | 247.0 | 253.2 | 260.1 | 269.1 | 282.1 | 295.1 | 308.6 |
| 65°   | 235.6 | 228.3 | 222.6 | 220.9 | 222.2 | 226.2 | 235.2 | 247.0 | 258.0 | 271.5 | 285.4 |
| 67.5° | 205.5 | 199.3 | 195.3 | 196.1 | 197.3 | 203.0 | 210.8 | 220.9 | 233.2 | 247.0 | 261.3 |
| 70°   | 176.9 | 171.2 | 168.0 | 168.4 | 170.8 | 178.1 | 184.7 | 194.9 | 208.3 | 222.6 | 234.0 |
| 72.5° | 147.6 | 144.3 | 141.5 | 143.5 | 145.9 | 150.4 | 159.0 | 169.2 | 180.6 | 193.6 | 205.9 |
| 75°   | 117.8 | 117.8 | 116.2 | 117.4 | 121.1 | 126.0 | 132.1 | 142.7 | 154.5 | 165.1 | 174.9 |
| 77.5° | 92.5  | 91.3  | 92.1  | 93.4  | 95.8  | 101.9 | 108.8 | 116.6 | 126.0 | 137.0 | 145.1 |
| 80°   | 66.9  | 67.3  | 69.3  | 71.7  | 72.6  | 77.0  | 84.4  | 91.3  | 98.2  | 107.2 | 115.0 |
| 82.5° | 46.1  | 46.5  | 47.3  | 50.5  | 51.4  | 56.3  | 60.3  | 67.3  | 73.4  | 78.7  | 84.8  |
| 85°   | 27.3  | 27.3  | 29.4  | 30.6  | 32.6  | 35.9  | 38.7  | 42.8  | 48.5  | 52.6  | 58.7  |
| 87.5° | 13.0  | 13.0  | 14.7  | 15.5  | 16.7  | 18.8  | 19.6  | 24.1  | 25.7  | 27.7  | 31.4  |
| 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: P242650

CATALOG NUMBER: S124DR-S795D930-X4F0-XX-UDD-A-W

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 984.1 | 984.1 | 984.1 | 984.1 |
| 2.5°  | 926.2 | 925.4 | 922.5 | 922.1 |
| 5°    | 866.3 | 864.2 | 863.0 | 867.5 |
| 7.5°  | 821.0 | 819.4 | 815.7 | 814.5 |
| 10°   | 777.8 | 776.2 | 772.9 | 772.1 |
| 12.5° | 736.2 | 732.6 | 732.6 | 733.8 |
| 15°   | 700.3 | 698.7 | 694.2 | 695.5 |
| 17.5° | 663.7 | 662.0 | 655.9 | 662.0 |
| 20°   | 629.4 | 626.2 | 623.3 | 622.9 |
| 22.5° | 596.8 | 593.9 | 594.4 | 591.1 |
| 25°   | 570.7 | 567.9 | 567.0 | 565.0 |
| 27.5° | 549.5 | 547.9 | 546.3 | 547.1 |
| 30°   | 530.4 | 529.9 | 529.1 | 529.1 |
| 32.5° | 514.5 | 514.5 | 515.3 | 515.3 |
| 35°   | 499.8 | 501.0 | 501.8 | 500.6 |
| 37.5° | 486.7 | 487.6 | 488.8 | 490.0 |
| 40°   | 471.2 | 474.1 | 474.9 | 477.0 |
| 42.5° | 456.6 | 459.8 | 462.3 | 462.3 |
| 45°   | 441.5 | 444.7 | 447.6 | 447.6 |
| 47.5° | 426.0 | 430.5 | 433.3 | 433.7 |
| 50°   | 410.1 | 415.8 | 418.7 | 420.7 |
| 52.5° | 394.6 | 400.3 | 404.4 | 405.2 |
| 55°   | 376.3 | 384.4 | 388.9 | 390.5 |
| 57.5° | 360.0 | 367.3 | 372.2 | 373.4 |
| 60°   | 340.4 | 348.5 | 355.1 | 356.3 |
| 62.5° | 320.4 | 329.0 | 334.7 | 338.4 |
| 65°   | 296.8 | 305.3 | 311.0 | 312.3 |
| 67.5° | 271.9 | 280.9 | 284.5 | 287.0 |
| 70°   | 245.4 | 252.3 | 256.4 | 258.5 |
| 72.5° | 215.2 | 222.6 | 227.5 | 227.5 |
| 75°   | 184.3 | 190.8 | 193.2 | 193.2 |
| 77.5° | 152.1 | 155.7 | 159.0 | 159.8 |
| 80°   | 121.1 | 123.1 | 125.6 | 125.6 |
| 82.5° | 89.3  | 90.9  | 93.4  | 92.9  |
| 85°   | 57.9  | 61.6  | 61.1  | 60.3  |
| 87.5° | 32.6  | 33.0  | 34.2  | 35.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)