

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: PORTFOLIO

Report Number: P245445

Luminaire Tested: **LSR8B30D010 EC8B309727 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-53)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B309727 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2196.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

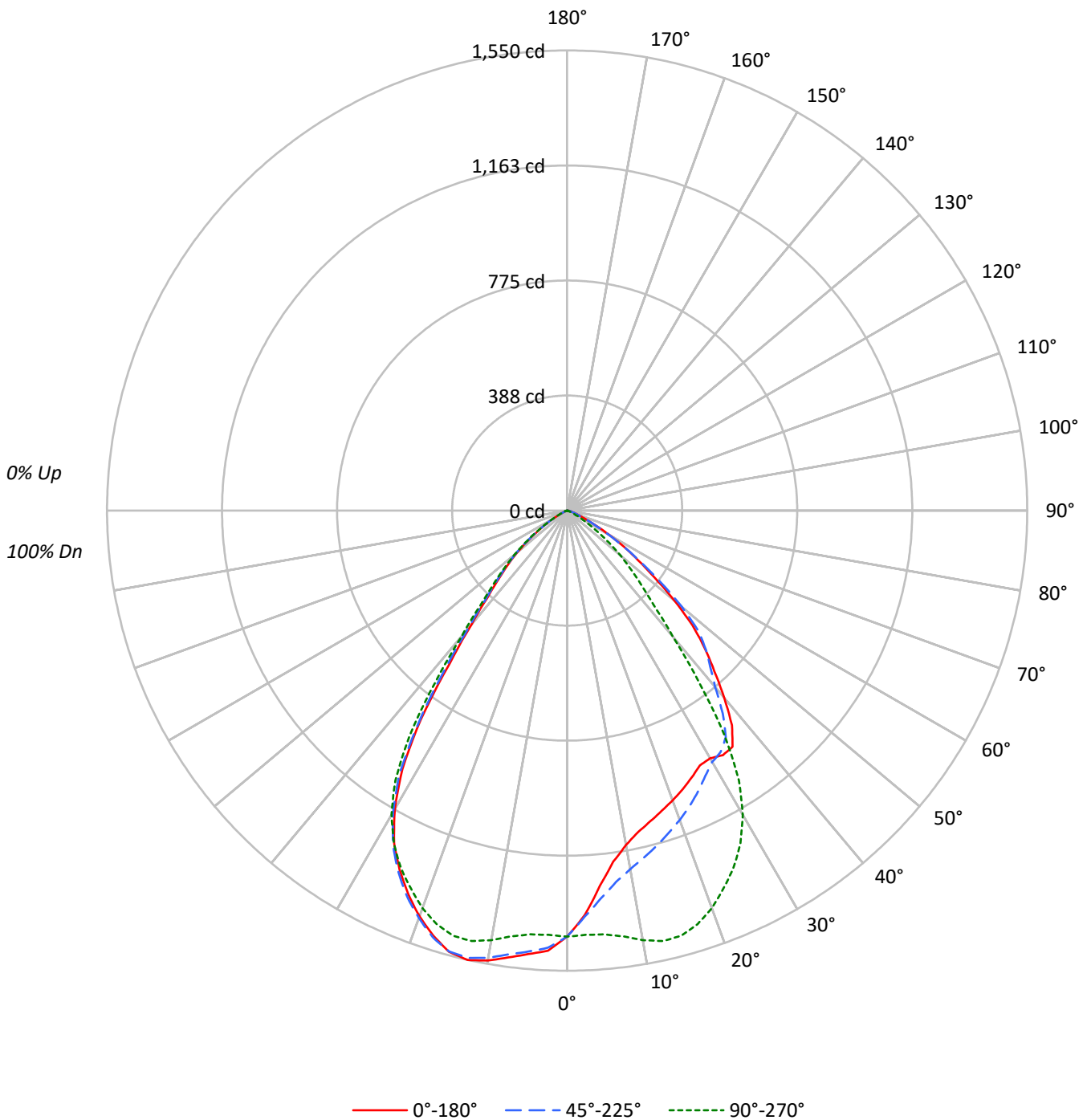
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245445

CATALOG NUMBER: LSR8B30D010 EC8B309727 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P245445

CATALOG NUMBER: LSR8B30D010 EC8B309727 8LBSW0WH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | |
| 2 | 105 | 99 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 88 | 86 | 84 | 82 | | |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 74 | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 68 | 67 | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 69 | 64 | 73 | 68 | 63 | 72 | 66 | 63 | 70 | 65 | 62 | 60 | | |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 55 | | |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 47 | 46 | | |
| 9 | 67 | 56 | 49 | 44 | 66 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 52 | 47 | 44 | 42 | | |
| 10 | 63 | 52 | 45 | 41 | 62 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 49 | 44 | 40 | 39 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--|-----|------|
| 0° | Luminaire represents a point source (luminous area is zero). | | |
| 5° | No luminance values can be calculated. | | |
| 10° | | | |
| 15° | | | |
| 20° | | | |
| 25° | | | |
| 30° | | | |
| 35° | | | |
| 40° | | | |
| 45° | | | |
| 50° | | | |
| 55° | | | |
| 60° | | | |
| 65° | | | |
| 70° | | | |
| 75° | | | |
| 80° | | | |
| 85° | | | |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.7 | 6.1 |
| 10°-20° | 386.2 | 17.6 |
| 20°-30° | 560.5 | 25.5 |
| 30°-40° | 552.1 | 25.1 |
| 40°-50° | 346.1 | 15.8 |
| 50°-60° | 167.0 | 7.6 |
| 60°-70° | 40.4 | 1.8 |
| 70°-80° | 8.2 | 0.4 |
| 80°-90° | 1.9 | 0.1 |
| 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° | 1080.4 | 49.2 |
| 0°-40° | 1632.5 | 74.3 |
| 0°-60° | 2145.5 | 97.7 |
| 0°-90° | 2196.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2196.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1435 | 1435 | 1435 | 1435 | 1435 | |
| 5° | 1268 | 1311 | 1433 | 1491 | 1500 | 117 |
| 15° | 1083 | 1168 | 1483 | 1537 | 1538 | 306 |
| 25° | 992 | 1044 | 1327 | 1345 | 1335 | 459 |
| 35° | 971 | 932 | 926 | 873 | 859 | 588 |
| 45° | 656 | 660 | 350 | 336 | 326 | 501 |
| 55° | 291 | 301 | 127 | 126 | 120 | 268 |
| 65° | 68 | 68 | 19 | 16 | 14 | 78 |
| 75° | 17 | 14 | 4 | 2 | 2 | 19 |
| 85° | 5 | 4 | 1 | 0 | 0 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P245445

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 |
| 2.5° | 1363.7 | 1355.1 | 1338.9 | 1358.5 | 1358.5 | 1347.5 | 1369.4 | 1356.2 | 1366.8 | 1383.3 | 1368.6 |
| 5° | 1268.0 | 1260.8 | 1247.3 | 1268.0 | 1270.6 | 1260.5 | 1286.8 | 1277.0 | 1292.5 | 1312.9 | 1311.0 |
| 7.5° | 1192.2 | 1183.2 | 1170.8 | 1192.2 | 1196.4 | 1189.6 | 1214.9 | 1210.3 | 1230.7 | 1257.1 | 1261.6 |
| 10° | 1142.9 | 1133.4 | 1122.5 | 1142.1 | 1145.1 | 1140.6 | 1166.2 | 1163.6 | 1183.6 | 1214.1 | 1226.2 |
| 12.5° | 1107.8 | 1099.9 | 1087.8 | 1108.6 | 1111.9 | 1105.5 | 1129.7 | 1128.5 | 1149.3 | 1181.3 | 1196.4 |
| 15° | 1083.3 | 1073.9 | 1062.9 | 1080.7 | 1085.2 | 1078.0 | 1101.0 | 1098.8 | 1119.9 | 1151.5 | 1168.5 |
| 17.5° | 1060.3 | 1051.6 | 1040.3 | 1056.9 | 1061.4 | 1053.9 | 1076.5 | 1072.7 | 1090.8 | 1121.0 | 1138.3 |
| 20° | 1038.8 | 1029.4 | 1019.2 | 1036.2 | 1038.8 | 1030.2 | 1052.8 | 1047.9 | 1064.1 | 1092.0 | 1108.9 |
| 22.5° | 1016.6 | 1006.8 | 996.2 | 1012.8 | 1015.5 | 1006.8 | 1027.5 | 1021.9 | 1036.9 | 1062.2 | 1077.6 |
| 25° | 992.1 | 983.0 | 972.5 | 987.9 | 990.2 | 980.8 | 1002.6 | 995.5 | 1008.7 | 1030.9 | 1043.7 |
| 27.5° | 967.6 | 958.9 | 947.2 | 963.1 | 964.2 | 955.1 | 975.1 | 965.3 | 976.3 | 996.6 | 1007.5 |
| 30° | 963.4 | 953.6 | 941.6 | 954.4 | 954.8 | 943.1 | 961.9 | 950.2 | 956.3 | 971.4 | 977.8 |
| 32.5° | 976.6 | 966.8 | 954.4 | 964.9 | 963.8 | 951.0 | 969.1 | 954.8 | 956.7 | 964.6 | 963.1 |
| 35° | 971.4 | 959.7 | 945.0 | 956.3 | 956.3 | 940.8 | 958.9 | 942.0 | 940.1 | 941.2 | 931.8 |
| 37.5° | 911.4 | 902.4 | 888.4 | 899.4 | 898.2 | 886.5 | 900.5 | 886.5 | 880.1 | 877.5 | 860.5 |
| 40° | 823.2 | 812.3 | 801.7 | 813.4 | 814.5 | 802.1 | 820.2 | 804.4 | 802.5 | 794.9 | 775.0 |
| 42.5° | 733.9 | 730.1 | 719.9 | 729.7 | 735.0 | 724.5 | 739.5 | 732.0 | 733.1 | 731.2 | 712.4 |
| 45° | 655.9 | 649.5 | 641.9 | 653.2 | 656.6 | 651.3 | 666.4 | 661.9 | 666.4 | 675.8 | 660.4 |
| 47.5° | 571.8 | 565.4 | 557.1 | 569.2 | 575.2 | 565.4 | 578.2 | 576.7 | 583.5 | 599.7 | 598.2 |
| 50° | 470.4 | 465.9 | 464.4 | 465.9 | 469.7 | 465.1 | 474.2 | 474.6 | 479.1 | 501.3 | 502.8 |
| 52.5° | 372.4 | 371.3 | 366.0 | 370.9 | 370.9 | 363.7 | 372.8 | 368.6 | 373.2 | 388.2 | 398.0 |
| 55° | 291.4 | 290.2 | 286.8 | 291.4 | 286.5 | 283.8 | 286.5 | 282.3 | 278.9 | 290.6 | 300.8 |
| 57.5° | 226.9 | 223.1 | 219.0 | 220.9 | 220.5 | 214.9 | 217.9 | 213.0 | 210.3 | 214.5 | 223.5 |
| 60° | 161.7 | 160.6 | 156.8 | 158.7 | 160.2 | 156.0 | 159.1 | 156.8 | 152.3 | 155.7 | 156.0 |
| 62.5° | 107.4 | 108.2 | 105.9 | 106.3 | 105.2 | 104.4 | 106.3 | 107.4 | 106.3 | 104.8 | 105.2 |
| 65° | 68.2 | 67.8 | 67.5 | 67.8 | 68.6 | 67.1 | 68.2 | 69.0 | 67.8 | 67.8 | 67.5 |
| 67.5° | 45.2 | 44.1 | 43.0 | 43.7 | 44.5 | 43.3 | 44.5 | 44.1 | 44.5 | 44.1 | 43.0 |
| 70° | 30.5 | 30.2 | 29.8 | 30.2 | 30.2 | 29.4 | 30.2 | 29.8 | 30.2 | 29.8 | 28.6 |
| 72.5° | 22.2 | 22.2 | 21.9 | 22.2 | 22.2 | 21.5 | 21.9 | 21.1 | 21.5 | 21.1 | 20.4 |
| 75° | 16.6 | 16.6 | 16.2 | 16.6 | 16.2 | 15.8 | 16.2 | 15.8 | 15.1 | 15.1 | 14.3 |
| 77.5° | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 11.7 | 11.7 | 11.3 | 10.9 | 10.6 | 10.6 |
| 80° | 9.0 | 8.7 | 8.7 | 8.7 | 8.7 | 8.3 | 8.7 | 8.3 | 7.9 | 7.5 | 7.2 |
| 82.5° | 6.4 | 6.8 | 6.4 | 6.4 | 6.4 | 6.0 | 6.4 | 6.0 | 6.0 | 5.7 | 4.9 |
| 85° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.5 | 4.5 | 4.5 | 4.1 | 4.1 | 3.8 |
| 87.5° | 2.6 | 2.6 | 2.6 | 3.0 | 2.6 | 2.6 | 2.6 | 2.3 | 2.3 | 1.9 | 1.9 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 |
| 2.5° | 1388.2 | 1390.1 | 1386.0 | 1392.4 | 1417.3 | 1397.3 | 1405.6 | 1408.2 | 1427.1 | 1430.5 | 1428.2 |
| 5° | 1335.5 | 1343.8 | 1349.0 | 1363.4 | 1390.9 | 1376.6 | 1391.3 | 1400.7 | 1424.8 | 1432.7 | 1434.6 |
| 7.5° | 1294.0 | 1311.3 | 1324.2 | 1347.5 | 1379.9 | 1369.0 | 1391.3 | 1406.7 | 1436.1 | 1446.3 | 1451.2 |
| 10° | 1263.1 | 1289.5 | 1311.7 | 1343.8 | 1380.3 | 1373.2 | 1402.2 | 1424.0 | 1456.8 | 1468.9 | 1474.9 |
| 12.5° | 1239.7 | 1271.8 | 1301.5 | 1342.3 | 1381.8 | 1378.4 | 1413.5 | 1438.4 | 1473.0 | 1485.1 | 1492.3 |
| 15° | 1214.1 | 1251.0 | 1285.7 | 1331.3 | 1373.9 | 1373.2 | 1410.9 | 1437.2 | 1472.7 | 1482.8 | 1489.6 |
| 17.5° | 1183.6 | 1223.1 | 1261.2 | 1310.6 | 1352.8 | 1353.6 | 1391.6 | 1417.6 | 1452.3 | 1460.6 | 1465.1 |
| 20° | 1152.7 | 1191.9 | 1229.9 | 1280.8 | 1322.3 | 1323.4 | 1360.7 | 1384.8 | 1418.0 | 1424.8 | 1425.9 |
| 22.5° | 1119.9 | 1156.4 | 1194.5 | 1245.0 | 1285.0 | 1285.7 | 1322.7 | 1345.3 | 1373.5 | 1376.9 | 1379.9 |
| 25° | 1082.5 | 1118.4 | 1154.2 | 1204.3 | 1242.4 | 1244.6 | 1278.2 | 1298.2 | 1324.2 | 1326.8 | 1327.9 |
| 27.5° | 1043.7 | 1073.1 | 1107.4 | 1150.4 | 1188.8 | 1187.3 | 1219.0 | 1241.6 | 1265.0 | 1263.5 | 1263.1 |
| 30° | 1004.5 | 1029.0 | 1050.1 | 1091.6 | 1119.9 | 1121.0 | 1150.8 | 1161.7 | 1186.2 | 1183.2 | 1182.8 |
| 32.5° | 977.0 | 983.4 | 989.1 | 1010.2 | 1036.9 | 1027.5 | 1047.9 | 1061.4 | 1078.4 | 1077.3 | 1077.6 |
| 35° | 926.5 | 914.8 | 897.9 | 900.9 | 917.1 | 902.4 | 913.3 | 912.9 | 930.3 | 926.1 | 931.0 |
| 37.5° | 840.2 | 807.0 | 769.3 | 747.8 | 750.8 | 732.4 | 728.6 | 737.7 | 743.7 | 732.0 | 736.1 |
| 40° | 748.2 | 699.2 | 640.4 | 591.4 | 588.8 | 565.8 | 561.6 | 552.6 | 564.3 | 554.5 | 557.5 |
| 42.5° | 680.4 | 615.5 | 538.3 | 478.7 | 465.9 | 446.7 | 435.4 | 433.8 | 437.2 | 430.5 | 428.6 |
| 45° | 628.3 | 559.4 | 470.8 | 402.6 | 388.2 | 367.5 | 356.2 | 352.1 | 352.4 | 350.2 | 348.3 |
| 47.5° | 567.3 | 497.9 | 408.2 | 338.5 | 322.3 | 302.7 | 291.4 | 288.7 | 290.2 | 287.2 | 285.0 |
| 50° | 482.8 | 420.7 | 338.9 | 275.2 | 260.8 | 246.5 | 237.5 | 234.8 | 234.5 | 232.2 | 230.7 |
| 52.5° | 392.0 | 340.4 | 269.5 | 216.4 | 203.5 | 189.6 | 183.2 | 179.8 | 180.2 | 177.9 | 175.7 |
| 55° | 303.4 | 271.4 | 208.8 | 163.6 | 151.9 | 141.0 | 134.9 | 130.8 | 129.7 | 127.4 | 126.3 |
| 57.5° | 225.8 | 204.3 | 156.4 | 118.0 | 111.2 | 100.6 | 94.6 | 89.7 | 89.0 | 87.8 | 87.4 |
| 60° | 158.3 | 142.9 | 110.1 | 84.1 | 76.1 | 69.7 | 63.7 | 58.8 | 56.5 | 56.2 | 55.0 |
| 62.5° | 102.5 | 93.1 | 72.4 | 56.2 | 50.1 | 45.6 | 39.6 | 36.2 | 34.7 | 33.2 | 33.5 |
| 65° | 63.7 | 56.5 | 45.2 | 36.2 | 32.8 | 29.4 | 24.9 | 21.9 | 20.4 | 18.8 | 19.2 |
| 67.5° | 39.6 | 35.4 | 28.6 | 23.4 | 21.1 | 18.5 | 15.1 | 12.8 | 11.7 | 10.6 | 9.8 |
| 70° | 26.8 | 23.0 | 19.6 | 16.6 | 15.1 | 13.2 | 10.9 | 9.0 | 8.3 | 7.5 | 6.8 |
| 72.5° | 18.8 | 17.0 | 14.3 | 12.4 | 11.3 | 9.8 | 8.3 | 7.2 | 6.4 | 5.7 | 4.9 |
| 75° | 13.6 | 12.1 | 10.6 | 9.0 | 8.3 | 7.5 | 6.4 | 5.7 | 4.9 | 4.1 | 3.4 |
| 77.5° | 9.8 | 8.7 | 7.5 | 6.8 | 6.4 | 5.3 | 4.5 | 4.1 | 3.8 | 3.0 | 2.3 |
| 80° | 6.8 | 6.0 | 4.9 | 4.5 | 4.5 | 3.8 | 3.4 | 3.0 | 2.6 | 1.9 | 1.5 |
| 82.5° | 4.5 | 4.1 | 3.8 | 3.4 | 3.0 | 2.6 | 2.6 | 1.9 | 1.5 | 1.1 | 0.8 |
| 85° | 3.4 | 3.0 | 2.6 | 2.3 | 2.3 | 1.9 | 1.5 | 1.1 | 1.1 | 0.8 | 0.4 |
| 87.5° | 1.9 | 1.9 | 1.5 | 1.1 | 1.1 | 0.8 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 |
| 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):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 |
| 2.5° | 1447.4 | 1448.5 | 1455.0 | 1450.1 | 1462.5 | 1471.5 | 1467.0 | 1477.2 | 1473.8 | 1473.0 | 1484.7 |
| 5° | 1457.2 | 1459.9 | 1468.5 | 1464.0 | 1477.6 | 1487.4 | 1482.8 | 1494.2 | 1490.8 | 1490.0 | 1502.1 |
| 7.5° | 1476.1 | 1478.7 | 1486.2 | 1482.5 | 1496.8 | 1505.5 | 1499.8 | 1512.3 | 1507.7 | 1507.4 | 1519.0 |
| 10° | 1499.8 | 1503.6 | 1510.0 | 1506.2 | 1519.4 | 1527.0 | 1521.3 | 1533.4 | 1529.2 | 1527.3 | 1540.1 |
| 12.5° | 1517.5 | 1520.2 | 1526.6 | 1523.6 | 1536.4 | 1542.0 | 1537.1 | 1548.8 | 1543.5 | 1542.0 | 1553.3 |
| 15° | 1513.4 | 1516.0 | 1521.3 | 1518.7 | 1530.7 | 1536.0 | 1529.6 | 1542.4 | 1537.1 | 1534.1 | 1544.3 |
| 17.5° | 1487.0 | 1488.5 | 1492.3 | 1489.6 | 1502.4 | 1505.8 | 1498.7 | 1511.5 | 1506.6 | 1501.3 | 1511.1 |
| 20° | 1448.2 | 1447.4 | 1449.7 | 1448.5 | 1459.1 | 1461.0 | 1456.5 | 1465.9 | 1460.2 | 1457.2 | 1462.9 |
| 22.5° | 1399.9 | 1399.2 | 1400.7 | 1397.7 | 1408.2 | 1409.3 | 1402.6 | 1413.9 | 1408.2 | 1402.6 | 1412.0 |
| 25° | 1346.4 | 1342.3 | 1341.5 | 1342.6 | 1349.8 | 1350.9 | 1343.8 | 1352.1 | 1344.9 | 1340.4 | 1349.4 |
| 27.5° | 1280.4 | 1275.2 | 1274.0 | 1275.2 | 1282.3 | 1277.0 | 1271.0 | 1277.0 | 1269.9 | 1265.7 | 1271.4 |
| 30° | 1199.0 | 1191.5 | 1188.1 | 1185.8 | 1193.4 | 1191.5 | 1177.5 | 1184.3 | 1173.0 | 1167.0 | 1171.1 |
| 32.5° | 1089.3 | 1085.2 | 1076.1 | 1070.9 | 1078.0 | 1063.7 | 1055.0 | 1055.0 | 1050.5 | 1040.3 | 1042.6 |
| 35° | 937.1 | 930.6 | 922.4 | 917.8 | 919.0 | 899.7 | 885.4 | 888.4 | 873.4 | 870.7 | 871.8 |
| 37.5° | 744.4 | 733.9 | 730.9 | 721.4 | 723.7 | 706.7 | 687.1 | 687.5 | 679.6 | 671.3 | 668.7 |
| 40° | 559.4 | 557.5 | 554.5 | 546.6 | 549.6 | 531.1 | 523.6 | 523.9 | 518.7 | 512.6 | 515.6 |
| 42.5° | 432.3 | 426.3 | 424.4 | 421.8 | 422.5 | 419.5 | 409.7 | 410.9 | 406.3 | 404.8 | 403.3 |
| 45° | 351.3 | 344.9 | 340.4 | 342.6 | 342.6 | 339.2 | 335.5 | 337.7 | 335.5 | 332.5 | 334.0 |
| 47.5° | 289.5 | 283.5 | 281.2 | 280.8 | 283.5 | 281.2 | 277.4 | 278.2 | 277.8 | 276.7 | 275.9 |
| 50° | 231.1 | 229.6 | 227.7 | 226.5 | 227.7 | 226.9 | 223.5 | 225.4 | 226.5 | 222.8 | 223.9 |
| 52.5° | 176.0 | 176.0 | 175.7 | 173.0 | 175.3 | 173.0 | 172.6 | 173.4 | 172.3 | 170.8 | 170.4 |
| 55° | 128.9 | 127.8 | 125.9 | 125.5 | 126.3 | 125.5 | 124.8 | 125.1 | 125.9 | 122.1 | 122.1 |
| 57.5° | 88.2 | 87.4 | 86.3 | 86.3 | 87.8 | 85.9 | 84.8 | 86.3 | 84.8 | 83.3 | 83.3 |
| 60° | 56.5 | 56.2 | 55.0 | 55.0 | 55.0 | 54.7 | 53.5 | 53.9 | 54.7 | 52.4 | 52.8 |
| 62.5° | 33.9 | 32.8 | 32.4 | 32.0 | 32.4 | 32.0 | 32.0 | 31.7 | 31.3 | 31.3 | 30.2 |
| 65° | 18.5 | 17.7 | 17.0 | 17.3 | 17.3 | 17.0 | 17.0 | 17.0 | 16.2 | 15.8 | 15.5 |
| 67.5° | 9.4 | 8.7 | 8.7 | 8.3 | 8.3 | 8.3 | 8.3 | 7.9 | 7.9 | 7.9 | 7.5 |
| 70° | 6.0 | 5.7 | 5.3 | 5.3 | 5.3 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.5 |
| 72.5° | 4.1 | 3.8 | 3.4 | 3.4 | 3.4 | 3.0 | 3.0 | 3.0 | 3.0 | 2.6 | 2.6 |
| 75° | 3.0 | 2.6 | 2.3 | 2.3 | 2.3 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 77.5° | 1.9 | 1.5 | 1.5 | 1.5 | 1.5 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 0.8 |
| 80° | 1.1 | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82.5° | 0.8 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.0 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P245445

CATALOG NUMBER: LSR8B30D010 EC8B309727 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 | 1434.6 |
| 2.5° | 1480.6 | 1477.6 | 1479.5 | 1493.4 | 1487.4 | 1485.5 | 1469.7 | 1483.6 |
| 5° | 1498.3 | 1496.0 | 1496.0 | 1511.9 | 1504.7 | 1503.2 | 1487.7 | 1499.8 |
| 7.5° | 1514.9 | 1512.6 | 1513.0 | 1529.2 | 1523.6 | 1521.3 | 1505.8 | 1517.9 |
| 10° | 1536.4 | 1534.9 | 1535.2 | 1550.7 | 1544.7 | 1542.4 | 1526.6 | 1539.0 |
| 12.5° | 1549.2 | 1546.9 | 1546.9 | 1563.5 | 1556.7 | 1553.3 | 1538.3 | 1550.3 |
| 15° | 1539.4 | 1536.0 | 1536.0 | 1552.6 | 1545.0 | 1540.1 | 1527.0 | 1538.3 |
| 17.5° | 1505.8 | 1502.4 | 1502.4 | 1516.8 | 1511.1 | 1504.0 | 1490.4 | 1500.9 |
| 20° | 1459.1 | 1455.0 | 1453.8 | 1470.4 | 1462.5 | 1456.1 | 1444.0 | 1454.2 |
| 22.5° | 1406.3 | 1404.4 | 1401.1 | 1417.6 | 1410.5 | 1403.7 | 1390.9 | 1398.8 |
| 25° | 1343.0 | 1340.0 | 1336.6 | 1352.8 | 1345.6 | 1338.9 | 1328.7 | 1335.1 |
| 27.5° | 1264.2 | 1264.6 | 1262.7 | 1275.5 | 1268.4 | 1264.6 | 1252.2 | 1262.7 |
| 30° | 1168.9 | 1164.7 | 1163.2 | 1178.3 | 1171.5 | 1166.6 | 1151.1 | 1161.3 |
| 32.5° | 1044.5 | 1038.4 | 1030.5 | 1047.5 | 1035.8 | 1031.7 | 1018.5 | 1033.2 |
| 35° | 863.6 | 861.7 | 854.5 | 868.8 | 862.4 | 854.9 | 846.6 | 859.0 |
| 37.5° | 667.5 | 669.1 | 668.3 | 672.1 | 668.3 | 663.4 | 654.4 | 649.8 |
| 40° | 509.6 | 505.8 | 502.8 | 509.6 | 501.7 | 501.7 | 496.4 | 502.1 |
| 42.5° | 399.5 | 398.0 | 401.8 | 403.3 | 398.8 | 398.0 | 397.3 | 396.9 |
| 45° | 329.8 | 329.8 | 330.6 | 332.1 | 330.6 | 329.8 | 327.6 | 326.0 |
| 47.5° | 271.8 | 273.3 | 271.8 | 276.7 | 274.0 | 273.3 | 268.8 | 270.6 |
| 50° | 220.1 | 218.2 | 220.1 | 221.6 | 222.0 | 219.8 | 217.5 | 218.6 |
| 52.5° | 170.8 | 167.7 | 167.0 | 169.2 | 167.7 | 167.7 | 166.2 | 165.8 |
| 55° | 120.2 | 121.4 | 119.5 | 121.4 | 120.6 | 119.5 | 118.4 | 119.9 |
| 57.5° | 81.4 | 81.8 | 81.0 | 82.2 | 80.3 | 80.7 | 80.3 | 79.9 |
| 60° | 52.8 | 51.3 | 51.3 | 52.4 | 50.5 | 50.5 | 50.1 | 50.1 |
| 62.5° | 30.2 | 29.8 | 29.8 | 29.4 | 29.0 | 29.0 | 29.0 | 28.3 |
| 65° | 15.5 | 15.1 | 14.7 | 14.7 | 14.7 | 14.7 | 14.3 | 14.3 |
| 67.5° | 7.5 | 7.2 | 7.2 | 7.5 | 7.2 | 7.2 | 7.2 | 7.2 |
| 70° | 4.5 | 4.5 | 4.1 | 4.5 | 4.1 | 4.1 | 4.1 | 4.1 |
| 72.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 75° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 77.5° | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 80° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)