

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: P245402

Luminaire Tested: **LD8B20D010 ER8B20840 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245402
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: LD8B20D010 ER8B20840 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2221.0 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

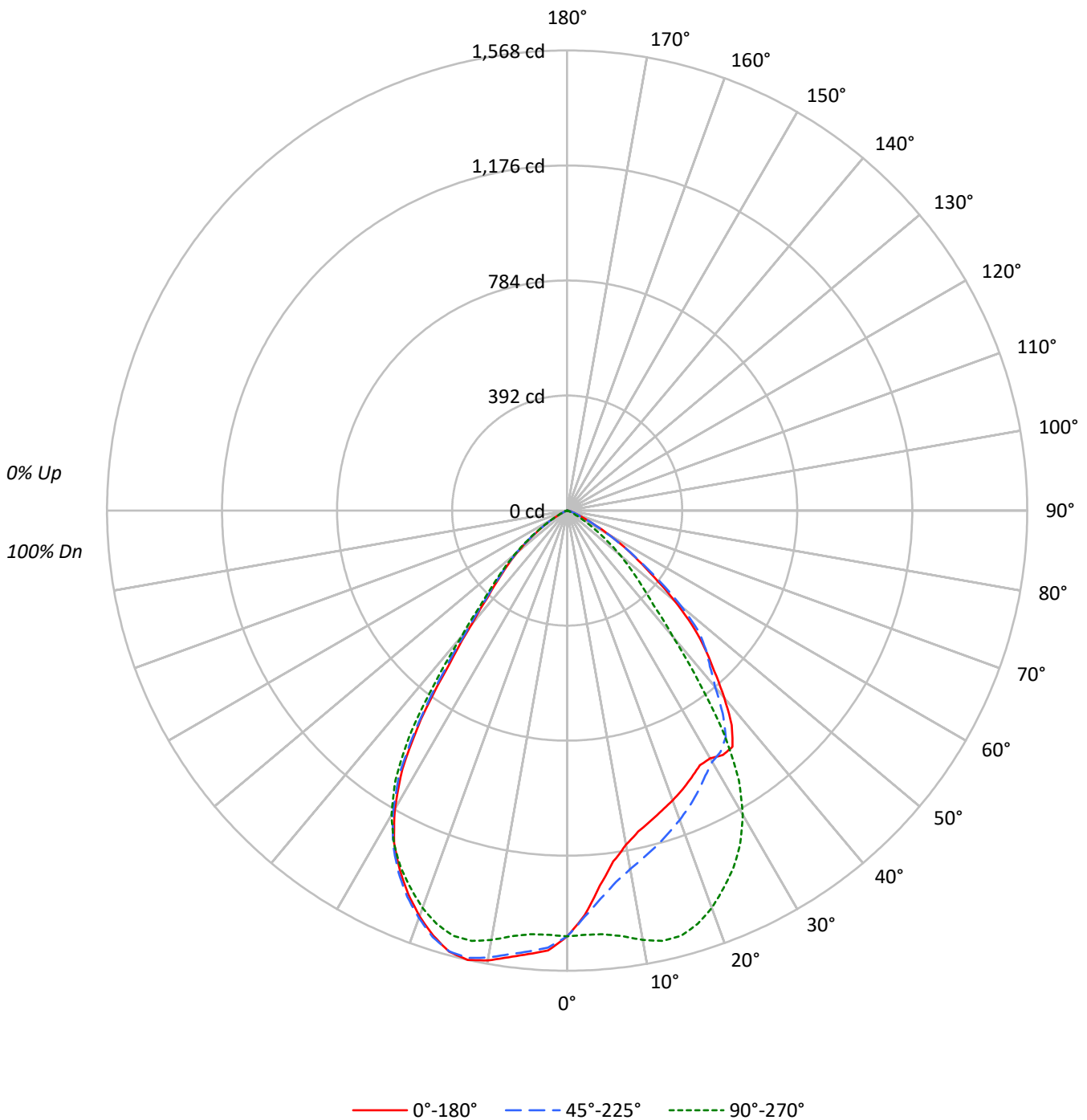
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245402

CATALOG NUMBER: LD8B20D010 ER8B20840 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P245402

CATALOG NUMBER: LD8B20D010 ER8B20840 8LBSW0WH

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 44740 | 44740 | 44740 |
| 5° | 39696 | 44852 | 46954 |
| 10° | 36194 | 46517 | 48737 |
| 15° | 34976 | 47877 | 49668 |
| 20° | 34479 | 47287 | 48265 |
| 25° | 34140 | 45657 | 45943 |
| 30° | 34695 | 42611 | 41820 |
| 35° | 36982 | 35261 | 32705 |
| 40° | 33515 | 22574 | 20441 |
| 45° | 28926 | 15446 | 14382 |
| 50° | 22825 | 11264 | 10607 |
| 55° | 15844 | 6930 | 6516 |
| 60° | 10083 | 3503 | 3127 |
| 65° | 5035 | 1394 | 1058 |
| 70° | 2786 | 685 | 379 |
| 75° | 2002 | 500 | 179 |
| 80° | 1616 | 337 | 71 |
| 85° | 1769 | 283 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 135.2 | 6.1 |
| 10°-20° | 390.6 | 17.6 |
| 20°-30° | 566.9 | 25.5 |
| 30°-40° | 558.3 | 25.1 |
| 40°-50° | 350.0 | 15.8 |
| 50°-60° | 168.9 | 7.6 |
| 60°-70° | 40.9 | 1.8 |
| 70°-80° | 8.3 | 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° | 1092.7 | 49.2 |
| 0°-40° | 1651.1 | 74.3 |
| 0°-60° | 2170.0 | 97.7 |
| 0°-90° | 2221.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2221.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1451 | 1451 | 1451 | 1451 | 1451 | |
| 5° | 1282 | 1326 | 1449 | 1508 | 1517 | 119 |
| 15° | 1096 | 1182 | 1500 | 1555 | 1556 | 310 |
| 25° | 1003 | 1056 | 1342 | 1360 | 1350 | 464 |
| 35° | 982 | 942 | 937 | 883 | 869 | 594 |
| 45° | 663 | 668 | 354 | 339 | 330 | 507 |
| 55° | 295 | 304 | 129 | 127 | 121 | 271 |
| 65° | 69 | 68 | 19 | 16 | 14 | 79 |
| 75° | 17 | 14 | 4 | 2 | 2 | 19 |
| 85° | 5 | 4 | 1 | 0 | 0 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P245402

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 |
| 2.5° | 1379.3 | 1370.5 | 1354.1 | 1373.9 | 1373.9 | 1362.9 | 1385.0 | 1371.6 | 1382.3 | 1399.1 | 1384.2 |
| 5° | 1282.4 | 1275.2 | 1261.5 | 1282.4 | 1285.1 | 1274.8 | 1301.5 | 1291.6 | 1307.2 | 1327.8 | 1325.9 |
| 7.5° | 1205.8 | 1196.7 | 1184.1 | 1205.8 | 1210.0 | 1203.1 | 1228.7 | 1224.1 | 1244.7 | 1271.4 | 1276.0 |
| 10° | 1155.9 | 1146.3 | 1135.3 | 1155.1 | 1158.2 | 1153.6 | 1179.5 | 1176.8 | 1197.0 | 1227.9 | 1240.1 |
| 12.5° | 1120.4 | 1112.4 | 1100.2 | 1121.2 | 1124.6 | 1118.1 | 1142.5 | 1141.4 | 1162.3 | 1194.8 | 1210.0 |
| 15° | 1095.6 | 1086.1 | 1075.0 | 1093.0 | 1097.5 | 1090.3 | 1113.6 | 1111.3 | 1132.6 | 1164.6 | 1181.8 |
| 17.5° | 1072.4 | 1063.6 | 1052.2 | 1068.9 | 1073.5 | 1065.9 | 1088.8 | 1085.0 | 1103.3 | 1133.8 | 1151.3 |
| 20° | 1050.7 | 1041.1 | 1030.8 | 1048.0 | 1050.7 | 1041.9 | 1064.8 | 1059.8 | 1076.2 | 1104.4 | 1121.6 |
| 22.5° | 1028.2 | 1018.2 | 1007.6 | 1024.3 | 1027.0 | 1018.2 | 1039.2 | 1033.5 | 1048.7 | 1074.3 | 1089.9 |
| 25° | 1003.4 | 994.2 | 983.6 | 999.2 | 1001.5 | 991.9 | 1014.1 | 1006.8 | 1020.2 | 1042.6 | 1055.6 |
| 27.5° | 978.6 | 969.8 | 958.0 | 974.0 | 975.2 | 966.0 | 986.2 | 976.3 | 987.4 | 1008.0 | 1019.0 |
| 30° | 974.4 | 964.5 | 952.3 | 965.3 | 965.6 | 953.8 | 972.9 | 961.1 | 967.2 | 982.4 | 988.9 |
| 32.5° | 987.7 | 977.8 | 965.3 | 975.9 | 974.8 | 961.8 | 980.1 | 965.6 | 967.5 | 975.5 | 974.0 |
| 35° | 982.4 | 970.6 | 955.7 | 967.2 | 967.2 | 951.5 | 969.8 | 952.7 | 950.8 | 951.9 | 942.4 |
| 37.5° | 921.8 | 912.6 | 898.5 | 909.6 | 908.5 | 896.6 | 910.7 | 896.6 | 890.2 | 887.5 | 870.3 |
| 40° | 832.6 | 821.5 | 810.9 | 822.7 | 823.8 | 811.2 | 829.5 | 813.5 | 811.6 | 804.0 | 783.8 |
| 42.5° | 742.2 | 738.4 | 728.1 | 738.0 | 743.4 | 732.7 | 748.0 | 740.3 | 741.5 | 739.6 | 720.5 |
| 45° | 663.3 | 656.8 | 649.2 | 660.7 | 664.1 | 658.8 | 674.0 | 669.4 | 674.0 | 683.5 | 667.9 |
| 47.5° | 578.3 | 571.8 | 563.4 | 575.6 | 581.7 | 571.8 | 584.8 | 583.3 | 590.1 | 606.5 | 605.0 |
| 50° | 475.8 | 471.2 | 469.7 | 471.2 | 475.0 | 470.4 | 479.6 | 480.0 | 484.5 | 507.0 | 508.6 |
| 52.5° | 376.6 | 375.5 | 370.2 | 375.1 | 375.1 | 367.9 | 377.0 | 372.8 | 377.4 | 392.7 | 402.6 |
| 55° | 294.7 | 293.5 | 290.1 | 294.7 | 289.7 | 287.1 | 289.7 | 285.5 | 282.1 | 293.9 | 304.2 |
| 57.5° | 229.5 | 225.7 | 221.5 | 223.4 | 223.0 | 217.3 | 220.3 | 215.4 | 212.7 | 216.9 | 226.1 |
| 60° | 163.5 | 162.4 | 158.6 | 160.5 | 162.0 | 157.8 | 160.9 | 158.6 | 154.0 | 157.4 | 157.8 |
| 62.5° | 108.6 | 109.4 | 107.1 | 107.5 | 106.4 | 105.6 | 107.5 | 108.6 | 107.5 | 106.0 | 106.4 |
| 65° | 69.0 | 68.6 | 68.2 | 68.6 | 69.4 | 67.9 | 69.0 | 69.8 | 68.6 | 68.6 | 68.2 |
| 67.5° | 45.7 | 44.6 | 43.5 | 44.2 | 45.0 | 43.8 | 45.0 | 44.6 | 45.0 | 44.6 | 43.5 |
| 70° | 30.9 | 30.5 | 30.1 | 30.5 | 30.5 | 29.7 | 30.5 | 30.1 | 30.5 | 30.1 | 29.0 |
| 72.5° | 22.5 | 22.5 | 22.1 | 22.5 | 22.5 | 21.7 | 22.1 | 21.3 | 21.7 | 21.3 | 20.6 |
| 75° | 16.8 | 16.8 | 16.4 | 16.8 | 16.4 | 16.0 | 16.4 | 16.0 | 15.2 | 15.2 | 14.5 |
| 77.5° | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 11.8 | 11.8 | 11.4 | 11.1 | 10.7 | 10.7 |
| 80° | 9.1 | 8.8 | 8.8 | 8.8 | 8.8 | 8.4 | 8.8 | 8.4 | 8.0 | 7.6 | 7.2 |
| 82.5° | 6.5 | 6.9 | 6.5 | 6.5 | 6.5 | 6.1 | 6.5 | 6.1 | 6.1 | 5.7 | 5.0 |
| 85° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.6 | 4.6 | 4.6 | 4.2 | 4.2 | 3.8 |
| 87.5° | 2.7 | 2.7 | 2.7 | 3.0 | 2.7 | 2.7 | 2.7 | 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 |



TEST NUMBER: P245402

CATALOG NUMBER: LD8B20D010 ER8B20840 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 |
| 2.5° | 1404.0 | 1405.9 | 1401.8 | 1408.2 | 1433.4 | 1413.2 | 1421.6 | 1424.2 | 1443.3 | 1446.7 | 1444.5 |
| 5° | 1350.7 | 1359.1 | 1364.4 | 1378.9 | 1406.7 | 1392.2 | 1407.1 | 1416.6 | 1441.0 | 1449.0 | 1450.9 |
| 7.5° | 1308.7 | 1326.3 | 1339.2 | 1362.9 | 1395.7 | 1384.6 | 1407.1 | 1422.7 | 1452.5 | 1462.8 | 1467.7 |
| 10° | 1277.5 | 1304.2 | 1326.7 | 1359.1 | 1396.0 | 1388.8 | 1418.1 | 1440.3 | 1473.4 | 1485.6 | 1491.7 |
| 12.5° | 1253.8 | 1286.2 | 1316.4 | 1357.5 | 1397.6 | 1394.1 | 1429.6 | 1454.7 | 1489.8 | 1502.0 | 1509.3 |
| 15° | 1227.9 | 1265.3 | 1300.4 | 1346.5 | 1389.6 | 1388.8 | 1426.9 | 1453.6 | 1489.4 | 1499.7 | 1506.6 |
| 17.5° | 1197.0 | 1237.1 | 1275.6 | 1325.5 | 1368.2 | 1369.0 | 1407.5 | 1433.8 | 1468.9 | 1477.2 | 1481.8 |
| 20° | 1165.8 | 1205.4 | 1243.9 | 1295.4 | 1337.3 | 1338.5 | 1376.2 | 1400.6 | 1434.2 | 1441.0 | 1442.2 |
| 22.5° | 1132.6 | 1169.6 | 1208.1 | 1259.2 | 1299.6 | 1300.4 | 1337.7 | 1360.6 | 1389.2 | 1392.6 | 1395.7 |
| 25° | 1094.9 | 1131.1 | 1167.3 | 1218.0 | 1256.5 | 1258.8 | 1292.7 | 1312.9 | 1339.2 | 1341.9 | 1343.0 |
| 27.5° | 1055.6 | 1085.3 | 1120.0 | 1163.5 | 1202.4 | 1200.9 | 1232.9 | 1255.7 | 1279.4 | 1277.9 | 1277.5 |
| 30° | 1016.0 | 1040.7 | 1062.1 | 1104.0 | 1132.6 | 1133.8 | 1163.9 | 1174.9 | 1199.7 | 1196.7 | 1196.3 |
| 32.5° | 988.1 | 994.6 | 1000.3 | 1021.7 | 1048.7 | 1039.2 | 1059.8 | 1073.5 | 1090.7 | 1089.5 | 1089.9 |
| 35° | 937.0 | 925.2 | 908.1 | 911.1 | 927.5 | 912.6 | 923.7 | 923.3 | 940.9 | 936.7 | 941.6 |
| 37.5° | 849.7 | 816.2 | 778.1 | 756.3 | 759.4 | 740.7 | 736.9 | 746.1 | 752.2 | 740.3 | 744.5 |
| 40° | 756.7 | 707.2 | 647.7 | 598.1 | 595.5 | 572.2 | 568.0 | 558.9 | 570.7 | 560.8 | 563.8 |
| 42.5° | 688.1 | 622.5 | 544.4 | 484.2 | 471.2 | 451.7 | 440.3 | 438.8 | 442.2 | 435.4 | 433.5 |
| 45° | 635.5 | 565.7 | 476.1 | 407.1 | 392.7 | 371.7 | 360.3 | 356.1 | 356.4 | 354.2 | 352.2 |
| 47.5° | 573.7 | 503.6 | 412.9 | 342.3 | 325.9 | 306.1 | 294.7 | 292.0 | 293.5 | 290.5 | 288.2 |
| 50° | 488.3 | 425.4 | 342.7 | 278.3 | 263.8 | 249.3 | 240.2 | 237.5 | 237.1 | 234.8 | 233.3 |
| 52.5° | 396.5 | 344.2 | 272.6 | 218.8 | 205.9 | 191.8 | 185.3 | 181.8 | 182.2 | 179.9 | 177.6 |
| 55° | 306.9 | 274.5 | 211.2 | 165.5 | 153.6 | 142.6 | 136.5 | 132.3 | 131.1 | 128.9 | 127.7 |
| 57.5° | 228.4 | 206.6 | 158.2 | 119.3 | 112.5 | 101.8 | 95.7 | 90.7 | 90.0 | 88.8 | 88.4 |
| 60° | 160.1 | 144.5 | 111.3 | 85.0 | 77.0 | 70.5 | 64.4 | 59.5 | 57.2 | 56.8 | 55.7 |
| 62.5° | 103.7 | 94.2 | 73.2 | 56.8 | 50.7 | 46.1 | 40.0 | 36.6 | 35.1 | 33.5 | 33.9 |
| 65° | 64.4 | 57.2 | 45.7 | 36.6 | 33.2 | 29.7 | 25.2 | 22.1 | 20.6 | 19.1 | 19.4 |
| 67.5° | 40.0 | 35.8 | 29.0 | 23.6 | 21.3 | 18.7 | 15.2 | 13.0 | 11.8 | 10.7 | 9.9 |
| 70° | 27.1 | 23.3 | 19.8 | 16.8 | 15.2 | 13.3 | 11.1 | 9.1 | 8.4 | 7.6 | 6.9 |
| 72.5° | 19.1 | 17.2 | 14.5 | 12.6 | 11.4 | 9.9 | 8.4 | 7.2 | 6.5 | 5.7 | 5.0 |
| 75° | 13.7 | 12.2 | 10.7 | 9.1 | 8.4 | 7.6 | 6.5 | 5.7 | 5.0 | 4.2 | 3.4 |
| 77.5° | 9.9 | 8.8 | 7.6 | 6.9 | 6.5 | 5.3 | 4.6 | 4.2 | 3.8 | 3.0 | 2.3 |
| 80° | 6.9 | 6.1 | 5.0 | 4.6 | 4.6 | 3.8 | 3.4 | 3.0 | 2.7 | 1.9 | 1.5 |
| 82.5° | 4.6 | 4.2 | 3.8 | 3.4 | 3.0 | 2.7 | 2.7 | 1.9 | 1.5 | 1.1 | 0.8 |
| 85° | 3.4 | 3.0 | 2.7 | 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 |



TEST NUMBER: P245402

CATALOG NUMBER: LD8B20D010 ER8B20840 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 |
| 2.5° | 1463.9 | 1465.0 | 1471.5 | 1466.6 | 1479.1 | 1488.3 | 1483.7 | 1494.0 | 1490.6 | 1489.8 | 1501.6 |
| 5° | 1473.8 | 1476.5 | 1485.2 | 1480.7 | 1494.4 | 1504.3 | 1499.7 | 1511.2 | 1507.7 | 1507.0 | 1519.2 |
| 7.5° | 1492.9 | 1495.5 | 1503.2 | 1499.3 | 1513.8 | 1522.6 | 1516.9 | 1529.5 | 1524.9 | 1524.5 | 1536.3 |
| 10° | 1516.9 | 1520.7 | 1527.2 | 1523.4 | 1536.7 | 1544.3 | 1538.6 | 1550.8 | 1546.6 | 1544.7 | 1557.7 |
| 12.5° | 1534.8 | 1537.5 | 1544.0 | 1540.9 | 1553.9 | 1559.6 | 1554.6 | 1566.4 | 1561.1 | 1559.6 | 1571.0 |
| 15° | 1530.6 | 1533.3 | 1538.6 | 1535.9 | 1548.1 | 1553.5 | 1547.0 | 1560.0 | 1554.6 | 1551.6 | 1561.9 |
| 17.5° | 1503.9 | 1505.4 | 1509.3 | 1506.6 | 1519.6 | 1523.0 | 1515.7 | 1528.7 | 1523.7 | 1518.4 | 1528.3 |
| 20° | 1464.7 | 1463.9 | 1466.2 | 1465.0 | 1475.7 | 1477.6 | 1473.0 | 1482.6 | 1476.9 | 1473.8 | 1479.5 |
| 22.5° | 1415.9 | 1415.1 | 1416.6 | 1413.6 | 1424.2 | 1425.4 | 1418.5 | 1430.0 | 1424.2 | 1418.5 | 1428.1 |
| 25° | 1361.7 | 1357.5 | 1356.8 | 1357.9 | 1365.2 | 1366.3 | 1359.1 | 1367.4 | 1360.2 | 1355.6 | 1364.8 |
| 27.5° | 1295.0 | 1289.7 | 1288.5 | 1289.7 | 1296.9 | 1291.6 | 1285.5 | 1291.6 | 1284.3 | 1280.1 | 1285.9 |
| 30° | 1212.7 | 1205.0 | 1201.6 | 1199.3 | 1207.0 | 1205.0 | 1190.9 | 1197.8 | 1186.4 | 1180.3 | 1184.5 |
| 32.5° | 1101.7 | 1097.5 | 1088.4 | 1083.1 | 1090.3 | 1075.8 | 1067.0 | 1067.0 | 1062.5 | 1052.2 | 1054.5 |
| 35° | 947.7 | 941.2 | 932.9 | 928.3 | 929.4 | 910.0 | 895.5 | 898.5 | 883.3 | 880.6 | 881.8 |
| 37.5° | 752.9 | 742.2 | 739.2 | 729.7 | 731.9 | 714.8 | 695.0 | 695.4 | 687.3 | 679.0 | 676.3 |
| 40° | 565.7 | 563.8 | 560.8 | 552.8 | 555.8 | 537.1 | 529.5 | 529.9 | 524.6 | 518.5 | 521.5 |
| 42.5° | 437.3 | 431.2 | 429.3 | 426.6 | 427.4 | 424.3 | 414.4 | 415.5 | 411.0 | 409.4 | 407.9 |
| 45° | 355.3 | 348.8 | 344.2 | 346.5 | 346.5 | 343.1 | 339.3 | 341.6 | 339.3 | 336.2 | 337.8 |
| 47.5° | 292.8 | 286.7 | 284.4 | 284.0 | 286.7 | 284.4 | 280.6 | 281.3 | 281.0 | 279.8 | 279.1 |
| 50° | 233.7 | 232.2 | 230.3 | 229.1 | 230.3 | 229.5 | 226.1 | 228.0 | 229.1 | 225.3 | 226.4 |
| 52.5° | 178.0 | 178.0 | 177.6 | 175.0 | 177.3 | 175.0 | 174.6 | 175.4 | 174.2 | 172.7 | 172.3 |
| 55° | 130.4 | 129.2 | 127.3 | 126.9 | 127.7 | 126.9 | 126.2 | 126.6 | 127.3 | 123.5 | 123.5 |
| 57.5° | 89.2 | 88.4 | 87.3 | 87.3 | 88.8 | 86.9 | 85.8 | 87.3 | 85.8 | 84.3 | 84.3 |
| 60° | 57.2 | 56.8 | 55.7 | 55.7 | 55.7 | 55.3 | 54.1 | 54.5 | 55.3 | 53.0 | 53.4 |
| 62.5° | 34.3 | 33.2 | 32.8 | 32.4 | 32.8 | 32.4 | 32.4 | 32.0 | 31.6 | 31.6 | 30.5 |
| 65° | 18.7 | 17.9 | 17.2 | 17.5 | 17.5 | 17.2 | 17.2 | 17.2 | 16.4 | 16.0 | 15.6 |
| 67.5° | 9.5 | 8.8 | 8.8 | 8.4 | 8.4 | 8.4 | 8.4 | 8.0 | 8.0 | 8.0 | 7.6 |
| 70° | 6.1 | 5.7 | 5.3 | 5.3 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.6 |
| 72.5° | 4.2 | 3.8 | 3.4 | 3.4 | 3.4 | 3.0 | 3.0 | 3.0 | 3.0 | 2.7 | 2.7 |
| 75° | 3.0 | 2.7 | 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: P245402

CATALOG NUMBER: LD8B20D010 ER8B20840 8LBSWOWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 | 1450.9 |
| 2.5° | 1497.4 | 1494.4 | 1496.3 | 1510.4 | 1504.3 | 1502.4 | 1486.4 | 1500.5 |
| 5° | 1515.4 | 1513.1 | 1513.1 | 1529.1 | 1521.8 | 1520.3 | 1504.7 | 1516.9 |
| 7.5° | 1532.1 | 1529.8 | 1530.2 | 1546.6 | 1540.9 | 1538.6 | 1523.0 | 1535.2 |
| 10° | 1553.9 | 1552.3 | 1552.7 | 1568.4 | 1562.3 | 1560.0 | 1544.0 | 1556.5 |
| 12.5° | 1566.8 | 1564.5 | 1564.5 | 1581.3 | 1574.5 | 1571.0 | 1555.8 | 1568.0 |
| 15° | 1556.9 | 1553.5 | 1553.5 | 1570.3 | 1562.6 | 1557.7 | 1544.3 | 1555.8 |
| 17.5° | 1523.0 | 1519.6 | 1519.6 | 1534.0 | 1528.3 | 1521.1 | 1507.4 | 1518.0 |
| 20° | 1475.7 | 1471.5 | 1470.4 | 1487.2 | 1479.1 | 1472.7 | 1460.5 | 1470.8 |
| 22.5° | 1422.3 | 1420.4 | 1417.0 | 1433.8 | 1426.5 | 1419.7 | 1406.7 | 1414.7 |
| 25° | 1358.3 | 1355.2 | 1351.8 | 1368.2 | 1361.0 | 1354.1 | 1343.8 | 1350.3 |
| 27.5° | 1278.6 | 1279.0 | 1277.1 | 1290.1 | 1282.8 | 1279.0 | 1266.4 | 1277.1 |
| 30° | 1182.2 | 1178.0 | 1176.5 | 1191.7 | 1184.8 | 1179.9 | 1164.3 | 1174.5 |
| 32.5° | 1056.4 | 1050.3 | 1042.3 | 1059.4 | 1047.6 | 1043.4 | 1030.1 | 1044.9 |
| 35° | 873.4 | 871.5 | 864.2 | 878.7 | 872.2 | 864.6 | 856.2 | 868.8 |
| 37.5° | 675.1 | 676.7 | 675.9 | 679.7 | 675.9 | 671.0 | 661.8 | 657.2 |
| 40° | 515.4 | 511.6 | 508.6 | 515.4 | 507.4 | 507.4 | 502.1 | 507.8 |
| 42.5° | 404.1 | 402.6 | 406.4 | 407.9 | 403.3 | 402.6 | 401.8 | 401.4 |
| 45° | 333.6 | 333.6 | 334.3 | 335.9 | 334.3 | 333.6 | 331.3 | 329.8 |
| 47.5° | 274.9 | 276.4 | 274.9 | 279.8 | 277.1 | 276.4 | 271.8 | 273.7 |
| 50° | 222.6 | 220.7 | 222.6 | 224.2 | 224.5 | 222.3 | 220.0 | 221.1 |
| 52.5° | 172.7 | 169.6 | 168.9 | 171.2 | 169.6 | 169.6 | 168.1 | 167.7 |
| 55° | 121.6 | 122.8 | 120.8 | 122.8 | 122.0 | 120.8 | 119.7 | 121.2 |
| 57.5° | 82.3 | 82.7 | 82.0 | 83.1 | 81.2 | 81.6 | 81.2 | 80.8 |
| 60° | 53.4 | 51.8 | 51.8 | 53.0 | 51.1 | 51.1 | 50.7 | 50.7 |
| 62.5° | 30.5 | 30.1 | 30.1 | 29.7 | 29.4 | 29.4 | 29.4 | 28.6 |
| 65° | 15.6 | 15.2 | 14.9 | 14.9 | 14.9 | 14.9 | 14.5 | 14.5 |
| 67.5° | 7.6 | 7.2 | 7.2 | 7.6 | 7.2 | 7.2 | 7.2 | 7.2 |
| 70° | 4.6 | 4.6 | 4.2 | 4.6 | 4.2 | 4.2 | 4.2 | 4.2 |
| 72.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 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)