

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: P245408

Luminaire Tested: **LD8B20D010 ER8B20850 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245408
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 ER8B20850 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2265.0 lumens
Efficiency: N/A
Efficacy: 106.3 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

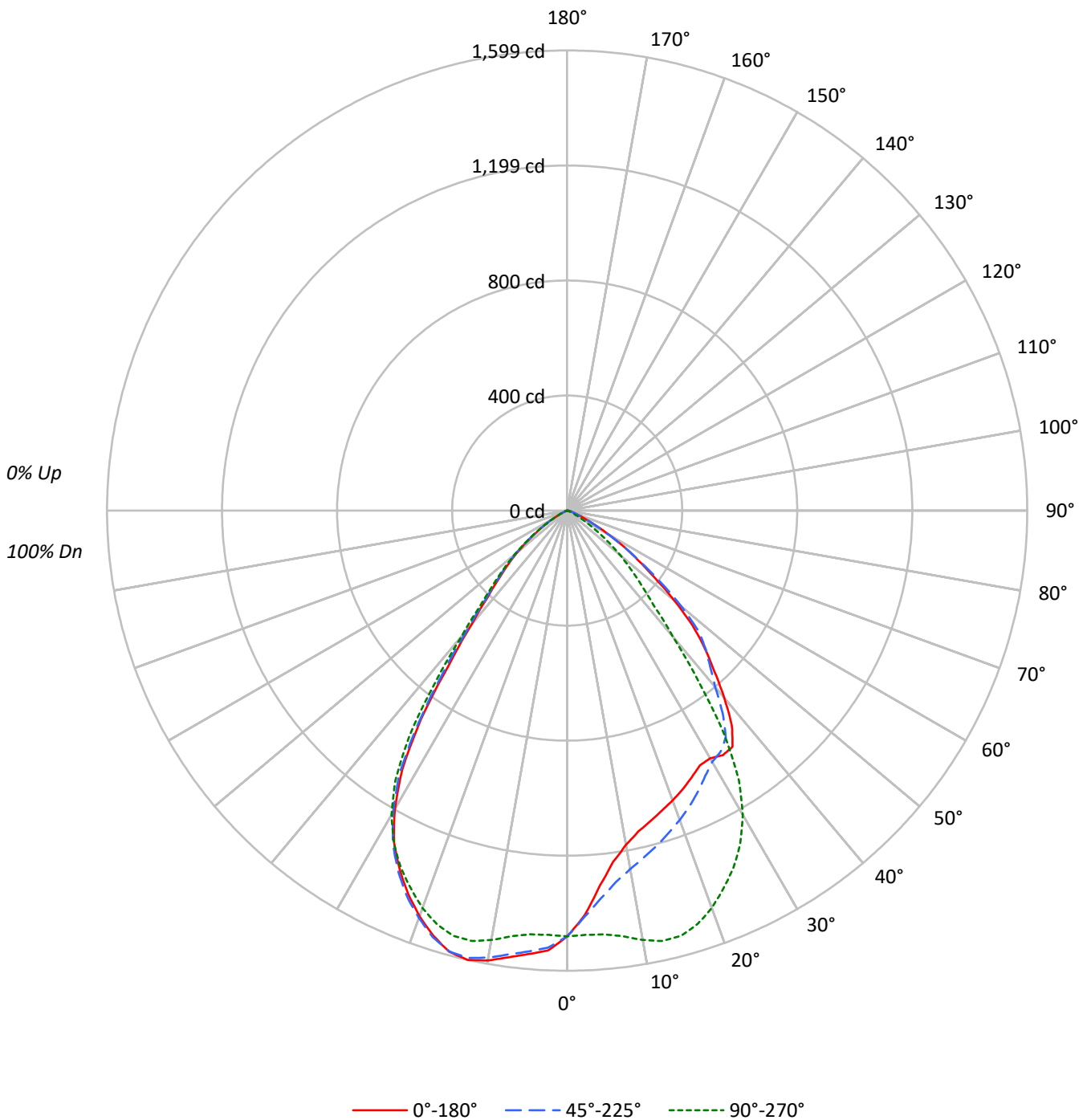
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245408

CATALOG NUMBER: LD8B20D010 ER8B20850 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P245408

CATALOG NUMBER: LD8B20D010 ER8B20850 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° | 45628 | 45628 | 45628 |
| 5° | 40482 | 45741 | 47883 |
| 10° | 36911 | 47441 | 49705 |
| 15° | 35669 | 48825 | 50651 |
| 20° | 35162 | 48225 | 49220 |
| 25° | 34817 | 46562 | 46851 |
| 30° | 35382 | 43454 | 42650 |
| 35° | 37716 | 35958 | 33353 |
| 40° | 34180 | 23021 | 20843 |
| 45° | 29502 | 15752 | 14666 |
| 50° | 23276 | 11489 | 10818 |
| 55° | 16155 | 7064 | 6645 |
| 60° | 10287 | 3571 | 3188 |
| 65° | 5137 | 1416 | 1080 |
| 70° | 2840 | 703 | 388 |
| 75° | 2037 | 512 | 191 |
| 80° | 1651 | 337 | 71 |
| 85° | 1804 | 283 | 0 |



TEST NUMBER: P245408

CATALOG NUMBER: LD8B20D010 ER8B20850 8LBSW0WH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 137.9 | 6.1 |
| 10°-20° | 398.3 | 17.6 |
| 20°-30° | 578.1 | 25.5 |
| 30°-40° | 569.4 | 25.1 |
| 40°-50° | 356.9 | 15.8 |
| 50°-60° | 172.2 | 7.6 |
| 60°-70° | 41.7 | 1.8 |
| 70°-80° | 8.4 | 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° | 1114.4 | 49.2 |
| 0°-40° | 1683.8 | 74.3 |
| 0°-60° | 2213.0 | 97.7 |
| 0°-90° | 2265.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2265.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1480 | 1480 | 1480 | 1480 | 1480 | |
| 5° | 1308 | 1352 | 1478 | 1538 | 1547 | 121 |
| 15° | 1117 | 1205 | 1529 | 1585 | 1587 | 316 |
| 25° | 1023 | 1076 | 1368 | 1387 | 1377 | 474 |
| 35° | 1002 | 961 | 955 | 901 | 886 | 606 |
| 45° | 676 | 681 | 361 | 346 | 336 | 517 |
| 55° | 300 | 310 | 131 | 130 | 124 | 276 |
| 65° | 70 | 70 | 19 | 17 | 15 | 80 |
| 75° | 17 | 15 | 4 | 2 | 2 | 19 |
| 85° | 5 | 4 | 1 | 0 | 0 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P245408

CATALOG NUMBER: LD8B20D010 ER8B20850 8LBSW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 |
| 2.5° | 1406.6 | 1397.6 | 1380.9 | 1401.1 | 1401.1 | 1389.9 | 1412.4 | 1398.8 | 1409.7 | 1426.8 | 1411.6 |
| 5° | 1307.8 | 1300.5 | 1286.5 | 1307.8 | 1310.6 | 1300.1 | 1327.3 | 1317.2 | 1333.1 | 1354.1 | 1352.2 |
| 7.5° | 1229.7 | 1220.4 | 1207.5 | 1229.7 | 1234.0 | 1227.0 | 1253.0 | 1248.4 | 1269.4 | 1296.6 | 1301.2 |
| 10° | 1178.8 | 1169.0 | 1157.8 | 1178.0 | 1181.1 | 1176.4 | 1202.9 | 1200.1 | 1220.8 | 1252.2 | 1264.7 |
| 12.5° | 1142.6 | 1134.4 | 1122.0 | 1143.4 | 1146.9 | 1140.3 | 1165.2 | 1164.0 | 1185.4 | 1218.4 | 1234.0 |
| 15° | 1117.3 | 1107.6 | 1096.3 | 1114.6 | 1119.3 | 1111.9 | 1135.6 | 1133.3 | 1155.1 | 1187.7 | 1205.2 |
| 17.5° | 1093.6 | 1084.7 | 1073.0 | 1090.1 | 1094.8 | 1087.0 | 1110.3 | 1106.5 | 1125.1 | 1156.2 | 1174.1 |
| 20° | 1071.5 | 1061.7 | 1051.2 | 1068.7 | 1071.5 | 1062.5 | 1085.8 | 1080.8 | 1097.5 | 1126.3 | 1143.8 |
| 22.5° | 1048.5 | 1038.4 | 1027.5 | 1044.6 | 1047.4 | 1038.4 | 1059.8 | 1054.0 | 1069.5 | 1095.6 | 1111.5 |
| 25° | 1023.3 | 1013.9 | 1003.0 | 1019.0 | 1021.3 | 1011.6 | 1034.1 | 1026.8 | 1040.4 | 1063.3 | 1076.5 |
| 27.5° | 998.0 | 989.0 | 977.0 | 993.3 | 994.5 | 985.2 | 1005.8 | 995.7 | 1006.9 | 1027.9 | 1039.2 |
| 30° | 993.7 | 983.6 | 971.2 | 984.4 | 984.8 | 972.7 | 992.2 | 980.1 | 986.3 | 1001.9 | 1008.5 |
| 32.5° | 1007.3 | 997.2 | 984.4 | 995.3 | 994.1 | 980.9 | 999.5 | 984.8 | 986.7 | 994.9 | 993.3 |
| 35° | 1001.9 | 989.8 | 974.7 | 986.3 | 986.3 | 970.4 | 989.0 | 971.5 | 969.6 | 970.8 | 961.1 |
| 37.5° | 940.1 | 930.7 | 916.3 | 927.6 | 926.5 | 914.4 | 928.8 | 914.4 | 907.8 | 905.1 | 887.6 |
| 40° | 849.1 | 837.8 | 826.9 | 839.0 | 840.1 | 827.3 | 846.0 | 829.6 | 827.7 | 819.9 | 799.3 |
| 42.5° | 756.9 | 753.1 | 742.6 | 752.7 | 758.1 | 747.2 | 762.8 | 755.0 | 756.2 | 754.2 | 734.8 |
| 45° | 676.5 | 669.9 | 662.1 | 673.7 | 677.2 | 671.8 | 687.4 | 682.7 | 687.4 | 697.1 | 681.1 |
| 47.5° | 589.8 | 583.2 | 574.6 | 587.1 | 593.3 | 583.2 | 596.4 | 594.8 | 601.8 | 618.5 | 617.0 |
| 50° | 485.2 | 480.5 | 479.0 | 480.5 | 484.4 | 479.7 | 489.1 | 489.5 | 494.1 | 517.1 | 518.6 |
| 52.5° | 384.1 | 382.9 | 377.5 | 382.6 | 382.6 | 375.2 | 384.5 | 380.2 | 384.9 | 400.4 | 410.5 |
| 55° | 300.5 | 299.4 | 295.9 | 300.5 | 295.5 | 292.7 | 295.5 | 291.2 | 287.7 | 299.7 | 310.2 |
| 57.5° | 234.0 | 230.2 | 225.9 | 227.8 | 227.4 | 221.6 | 224.7 | 219.7 | 216.9 | 221.2 | 230.5 |
| 60° | 166.8 | 165.6 | 161.7 | 163.7 | 165.2 | 161.0 | 164.1 | 161.7 | 157.1 | 160.6 | 161.0 |
| 62.5° | 110.8 | 111.6 | 109.2 | 109.6 | 108.5 | 107.7 | 109.6 | 110.8 | 109.6 | 108.1 | 108.5 |
| 65° | 70.4 | 70.0 | 69.6 | 70.0 | 70.8 | 69.2 | 70.4 | 71.1 | 70.0 | 70.0 | 69.6 |
| 67.5° | 46.7 | 45.5 | 44.3 | 45.1 | 45.9 | 44.7 | 45.9 | 45.5 | 45.9 | 45.5 | 44.3 |
| 70° | 31.5 | 31.1 | 30.7 | 31.1 | 31.1 | 30.3 | 31.1 | 30.7 | 31.1 | 30.7 | 29.5 |
| 72.5° | 22.9 | 22.9 | 22.5 | 22.9 | 22.9 | 22.2 | 22.5 | 21.8 | 22.2 | 21.8 | 21.0 |
| 75° | 17.1 | 17.1 | 16.7 | 17.1 | 16.7 | 16.3 | 16.7 | 16.3 | 15.6 | 15.6 | 14.8 |
| 77.5° | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.1 | 12.1 | 11.7 | 11.3 | 10.9 | 10.9 |
| 80° | 9.3 | 8.9 | 8.9 | 8.9 | 8.9 | 8.6 | 8.9 | 8.6 | 8.2 | 7.8 | 7.4 |
| 82.5° | 6.6 | 7.0 | 6.6 | 6.6 | 6.6 | 6.2 | 6.6 | 6.2 | 6.2 | 5.8 | 5.1 |
| 85° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 4.7 | 4.7 | 4.7 | 4.3 | 4.3 | 3.9 |
| 87.5° | 2.7 | 2.7 | 2.7 | 3.1 | 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: P245408

CATALOG NUMBER: LD8B20D010 ER8B20850 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 |
| 2.5° | 1431.9 | 1433.8 | 1429.5 | 1436.1 | 1461.8 | 1441.2 | 1449.7 | 1452.5 | 1471.9 | 1475.4 | 1473.1 |
| 5° | 1377.4 | 1386.0 | 1391.4 | 1406.2 | 1434.6 | 1419.8 | 1435.0 | 1444.7 | 1469.6 | 1477.7 | 1479.7 |
| 7.5° | 1334.7 | 1352.5 | 1365.8 | 1389.9 | 1423.3 | 1412.0 | 1435.0 | 1450.9 | 1481.2 | 1491.7 | 1496.8 |
| 10° | 1302.8 | 1330.0 | 1352.9 | 1386.0 | 1423.7 | 1416.3 | 1446.2 | 1468.8 | 1502.6 | 1515.1 | 1521.3 |
| 12.5° | 1278.7 | 1311.7 | 1342.4 | 1384.4 | 1425.3 | 1421.8 | 1457.9 | 1483.6 | 1519.3 | 1531.8 | 1539.2 |
| 15° | 1252.2 | 1290.3 | 1326.1 | 1373.2 | 1417.1 | 1416.3 | 1455.2 | 1482.4 | 1518.9 | 1529.4 | 1536.4 |
| 17.5° | 1220.8 | 1261.6 | 1300.8 | 1351.8 | 1395.3 | 1396.1 | 1435.4 | 1462.2 | 1498.0 | 1506.5 | 1511.2 |
| 20° | 1188.9 | 1229.3 | 1268.6 | 1321.1 | 1363.8 | 1365.0 | 1403.5 | 1428.4 | 1462.6 | 1469.6 | 1470.7 |
| 22.5° | 1155.1 | 1192.8 | 1232.0 | 1284.1 | 1325.3 | 1326.1 | 1364.2 | 1387.5 | 1416.7 | 1420.2 | 1423.3 |
| 25° | 1116.6 | 1153.5 | 1190.4 | 1242.1 | 1281.4 | 1283.7 | 1318.3 | 1338.9 | 1365.8 | 1368.5 | 1369.7 |
| 27.5° | 1076.5 | 1106.8 | 1142.2 | 1186.5 | 1226.2 | 1224.6 | 1257.3 | 1280.6 | 1304.7 | 1303.2 | 1302.8 |
| 30° | 1036.1 | 1061.4 | 1083.1 | 1125.9 | 1155.1 | 1156.2 | 1186.9 | 1198.2 | 1223.5 | 1220.4 | 1220.0 |
| 32.5° | 1007.7 | 1014.3 | 1020.1 | 1041.9 | 1069.5 | 1059.8 | 1080.8 | 1094.8 | 1112.3 | 1111.1 | 1111.5 |
| 35° | 955.6 | 943.6 | 926.1 | 929.2 | 945.9 | 930.7 | 942.0 | 941.6 | 959.5 | 955.2 | 960.3 |
| 37.5° | 866.6 | 832.4 | 793.5 | 771.3 | 774.4 | 755.4 | 751.5 | 760.8 | 767.1 | 755.0 | 759.3 |
| 40° | 771.7 | 721.2 | 660.5 | 610.0 | 607.3 | 583.6 | 579.3 | 569.9 | 582.0 | 571.9 | 575.0 |
| 42.5° | 701.7 | 634.9 | 555.2 | 493.7 | 480.5 | 460.7 | 449.0 | 447.5 | 451.0 | 444.0 | 442.0 |
| 45° | 648.1 | 576.9 | 485.6 | 415.2 | 400.4 | 379.1 | 367.4 | 363.1 | 363.5 | 361.2 | 359.2 |
| 47.5° | 585.1 | 513.6 | 421.0 | 349.1 | 332.4 | 312.2 | 300.5 | 297.8 | 299.4 | 296.2 | 293.9 |
| 50° | 498.0 | 433.9 | 349.5 | 283.8 | 269.0 | 254.3 | 244.9 | 242.2 | 241.8 | 239.5 | 237.9 |
| 52.5° | 404.3 | 351.1 | 278.0 | 223.2 | 209.9 | 195.6 | 188.9 | 185.4 | 185.8 | 183.5 | 181.2 |
| 55° | 313.0 | 279.9 | 215.4 | 168.7 | 156.7 | 145.4 | 139.2 | 134.9 | 133.7 | 131.4 | 130.2 |
| 57.5° | 232.9 | 210.7 | 161.3 | 121.7 | 114.7 | 103.8 | 97.6 | 92.5 | 91.8 | 90.6 | 90.2 |
| 60° | 163.3 | 147.3 | 113.5 | 86.7 | 78.5 | 71.9 | 65.7 | 60.6 | 58.3 | 57.9 | 56.8 |
| 62.5° | 105.7 | 96.0 | 74.6 | 57.9 | 51.7 | 47.0 | 40.8 | 37.3 | 35.8 | 34.2 | 34.6 |
| 65° | 65.7 | 58.3 | 46.7 | 37.3 | 33.8 | 30.3 | 25.7 | 22.5 | 21.0 | 19.4 | 19.8 |
| 67.5° | 40.8 | 36.5 | 29.5 | 24.1 | 21.8 | 19.0 | 15.6 | 13.2 | 12.1 | 10.9 | 10.1 |
| 70° | 27.6 | 23.7 | 20.2 | 17.1 | 15.6 | 13.6 | 11.3 | 9.3 | 8.6 | 7.8 | 7.0 |
| 72.5° | 19.4 | 17.5 | 14.8 | 12.8 | 11.7 | 10.1 | 8.6 | 7.4 | 6.6 | 5.8 | 5.1 |
| 75° | 14.0 | 12.4 | 10.9 | 9.3 | 8.6 | 7.8 | 6.6 | 5.8 | 5.1 | 4.3 | 3.5 |
| 77.5° | 10.1 | 8.9 | 7.8 | 7.0 | 6.6 | 5.4 | 4.7 | 4.3 | 3.9 | 3.1 | 2.3 |
| 80° | 7.0 | 6.2 | 5.1 | 4.7 | 4.7 | 3.9 | 3.5 | 3.1 | 2.7 | 1.9 | 1.6 |
| 82.5° | 4.7 | 4.3 | 3.9 | 3.5 | 3.1 | 2.7 | 2.7 | 1.9 | 1.6 | 1.2 | 0.8 |
| 85° | 3.5 | 3.1 | 2.7 | 2.3 | 2.3 | 1.9 | 1.6 | 1.2 | 1.2 | 0.8 | 0.4 |
| 87.5° | 1.9 | 1.9 | 1.6 | 1.2 | 1.2 | 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: P245408

CATALOG NUMBER: LD8B20D010 ER8B20850 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 |
| 2.5° | 1492.9 | 1494.1 | 1500.7 | 1495.6 | 1508.4 | 1517.8 | 1513.1 | 1523.6 | 1520.1 | 1519.3 | 1531.4 |
| 5° | 1503.0 | 1505.7 | 1514.7 | 1510.0 | 1524.0 | 1534.1 | 1529.4 | 1541.1 | 1537.6 | 1536.8 | 1549.3 |
| 7.5° | 1522.4 | 1525.2 | 1532.9 | 1529.1 | 1543.8 | 1552.8 | 1546.9 | 1559.8 | 1555.1 | 1554.7 | 1566.8 |
| 10° | 1546.9 | 1550.8 | 1557.4 | 1553.5 | 1567.2 | 1574.9 | 1569.1 | 1581.5 | 1577.3 | 1575.3 | 1588.5 |
| 12.5° | 1565.2 | 1567.9 | 1574.5 | 1571.4 | 1584.6 | 1590.5 | 1585.4 | 1597.5 | 1592.0 | 1590.5 | 1602.1 |
| 15° | 1560.9 | 1563.7 | 1569.1 | 1566.4 | 1578.8 | 1584.3 | 1577.6 | 1590.9 | 1585.4 | 1582.3 | 1592.8 |
| 17.5° | 1533.7 | 1535.3 | 1539.2 | 1536.4 | 1549.7 | 1553.2 | 1545.8 | 1559.0 | 1553.9 | 1548.5 | 1558.6 |
| 20° | 1493.7 | 1492.9 | 1495.2 | 1494.1 | 1504.9 | 1506.9 | 1502.2 | 1511.9 | 1506.1 | 1503.0 | 1508.8 |
| 22.5° | 1443.9 | 1443.1 | 1444.7 | 1441.6 | 1452.5 | 1453.6 | 1446.6 | 1458.3 | 1452.5 | 1446.6 | 1456.4 |
| 25° | 1388.7 | 1384.4 | 1383.7 | 1384.8 | 1392.2 | 1393.4 | 1386.0 | 1394.5 | 1387.2 | 1382.5 | 1391.8 |
| 27.5° | 1320.7 | 1315.2 | 1314.1 | 1315.2 | 1322.6 | 1317.2 | 1311.0 | 1317.2 | 1309.8 | 1305.5 | 1311.3 |
| 30° | 1236.7 | 1228.9 | 1225.4 | 1223.1 | 1230.9 | 1228.9 | 1214.5 | 1221.5 | 1209.9 | 1203.6 | 1207.9 |
| 32.5° | 1123.6 | 1119.3 | 1110.0 | 1104.5 | 1111.9 | 1097.1 | 1088.2 | 1088.2 | 1083.5 | 1073.0 | 1075.4 |
| 35° | 966.5 | 959.9 | 951.3 | 946.7 | 947.8 | 928.0 | 913.2 | 916.3 | 900.8 | 898.1 | 899.2 |
| 37.5° | 767.8 | 756.9 | 753.8 | 744.1 | 746.4 | 729.0 | 708.7 | 709.1 | 701.0 | 692.4 | 689.7 |
| 40° | 576.9 | 575.0 | 571.9 | 563.7 | 566.8 | 547.8 | 540.0 | 540.4 | 535.0 | 528.7 | 531.8 |
| 42.5° | 445.9 | 439.7 | 437.8 | 435.0 | 435.8 | 432.7 | 422.6 | 423.8 | 419.1 | 417.5 | 416.0 |
| 45° | 362.3 | 355.7 | 351.1 | 353.4 | 353.4 | 349.9 | 346.0 | 348.3 | 346.0 | 342.9 | 344.5 |
| 47.5° | 298.6 | 292.4 | 290.0 | 289.6 | 292.4 | 290.0 | 286.1 | 286.9 | 286.5 | 285.4 | 284.6 |
| 50° | 238.3 | 236.8 | 234.8 | 233.7 | 234.8 | 234.0 | 230.5 | 232.5 | 233.7 | 229.8 | 230.9 |
| 52.5° | 181.6 | 181.6 | 181.2 | 178.4 | 180.8 | 178.4 | 178.1 | 178.8 | 177.7 | 176.1 | 175.7 |
| 55° | 133.0 | 131.8 | 129.9 | 129.5 | 130.2 | 129.5 | 128.7 | 129.1 | 129.9 | 126.0 | 126.0 |
| 57.5° | 91.0 | 90.2 | 89.0 | 89.0 | 90.6 | 88.6 | 87.5 | 89.0 | 87.5 | 85.9 | 85.9 |
| 60° | 58.3 | 57.9 | 56.8 | 56.8 | 56.8 | 56.4 | 55.2 | 55.6 | 56.4 | 54.0 | 54.4 |
| 62.5° | 35.0 | 33.8 | 33.4 | 33.0 | 33.4 | 33.0 | 33.0 | 32.7 | 32.3 | 32.3 | 31.1 |
| 65° | 19.0 | 18.3 | 17.5 | 17.9 | 17.9 | 17.5 | 17.5 | 17.5 | 16.7 | 16.3 | 15.9 |
| 67.5° | 9.7 | 8.9 | 8.9 | 8.6 | 8.6 | 8.6 | 8.6 | 8.2 | 8.2 | 8.2 | 7.8 |
| 70° | 6.2 | 5.8 | 5.4 | 5.4 | 5.4 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 4.7 |
| 72.5° | 4.3 | 3.9 | 3.5 | 3.5 | 3.5 | 3.1 | 3.1 | 3.1 | 3.1 | 2.7 | 2.7 |
| 75° | 3.1 | 2.7 | 2.3 | 2.3 | 2.3 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 77.5° | 1.9 | 1.6 | 1.6 | 1.6 | 1.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.8 |
| 80° | 1.2 | 1.2 | 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: P245408

CATALOG NUMBER: LD8B20D010 ER8B20850 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 | 1479.7 |
| 2.5° | 1527.1 | 1524.0 | 1525.9 | 1540.3 | 1534.1 | 1532.2 | 1515.8 | 1530.2 |
| 5° | 1545.4 | 1543.0 | 1543.0 | 1559.4 | 1552.0 | 1550.4 | 1534.5 | 1546.9 |
| 7.5° | 1562.5 | 1560.2 | 1560.5 | 1577.3 | 1571.4 | 1569.1 | 1553.2 | 1565.6 |
| 10° | 1584.6 | 1583.1 | 1583.5 | 1599.4 | 1593.2 | 1590.9 | 1574.5 | 1587.4 |
| 12.5° | 1597.9 | 1595.5 | 1595.5 | 1612.6 | 1605.6 | 1602.1 | 1586.6 | 1599.0 |
| 15° | 1587.8 | 1584.3 | 1584.3 | 1601.4 | 1593.6 | 1588.5 | 1574.9 | 1586.6 |
| 17.5° | 1553.2 | 1549.7 | 1549.7 | 1564.4 | 1558.6 | 1551.2 | 1537.2 | 1548.1 |
| 20° | 1504.9 | 1500.7 | 1499.5 | 1516.6 | 1508.4 | 1501.8 | 1489.4 | 1499.9 |
| 22.5° | 1450.5 | 1448.6 | 1445.1 | 1462.2 | 1454.8 | 1447.8 | 1434.6 | 1442.7 |
| 25° | 1385.2 | 1382.1 | 1378.6 | 1395.3 | 1387.9 | 1380.9 | 1370.4 | 1377.0 |
| 27.5° | 1304.0 | 1304.3 | 1302.4 | 1315.6 | 1308.2 | 1304.3 | 1291.5 | 1302.4 |
| 30° | 1205.6 | 1201.3 | 1199.8 | 1215.3 | 1208.3 | 1203.3 | 1187.3 | 1197.8 |
| 32.5° | 1077.3 | 1071.1 | 1062.9 | 1080.4 | 1068.4 | 1064.1 | 1050.5 | 1065.6 |
| 35° | 890.7 | 888.7 | 881.4 | 896.1 | 889.5 | 881.7 | 873.2 | 886.0 |
| 37.5° | 688.5 | 690.1 | 689.3 | 693.2 | 689.3 | 684.2 | 674.9 | 670.2 |
| 40° | 525.6 | 521.7 | 518.6 | 525.6 | 517.5 | 517.5 | 512.0 | 517.8 |
| 42.5° | 412.1 | 410.5 | 414.4 | 416.0 | 411.3 | 410.5 | 409.8 | 409.4 |
| 45° | 340.2 | 340.2 | 341.0 | 342.5 | 341.0 | 340.2 | 337.8 | 336.3 |
| 47.5° | 280.3 | 281.9 | 280.3 | 285.4 | 282.6 | 281.9 | 277.2 | 279.1 |
| 50° | 227.0 | 225.1 | 227.0 | 228.6 | 229.0 | 226.7 | 224.3 | 225.5 |
| 52.5° | 176.1 | 173.0 | 172.2 | 174.6 | 173.0 | 173.0 | 171.4 | 171.1 |
| 55° | 124.0 | 125.2 | 123.2 | 125.2 | 124.4 | 123.2 | 122.1 | 123.6 |
| 57.5° | 84.0 | 84.4 | 83.6 | 84.8 | 82.8 | 83.2 | 82.8 | 82.4 |
| 60° | 54.4 | 52.9 | 52.9 | 54.0 | 52.1 | 52.1 | 51.7 | 51.7 |
| 62.5° | 31.1 | 30.7 | 30.7 | 30.3 | 29.9 | 29.9 | 29.9 | 29.2 |
| 65° | 15.9 | 15.6 | 15.2 | 15.2 | 15.2 | 15.2 | 14.8 | 14.8 |
| 67.5° | 7.8 | 7.4 | 7.4 | 7.8 | 7.4 | 7.4 | 7.4 | 7.4 |
| 70° | 4.7 | 4.7 | 4.3 | 4.7 | 4.3 | 4.3 | 4.3 | 4.3 |
| 72.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 75° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 1.2 | 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)