

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: P244148

Luminaire Tested: **LD8B20D010 ER8B20927 8LBSW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244148
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 ER8B20927 8LBSW0LI
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

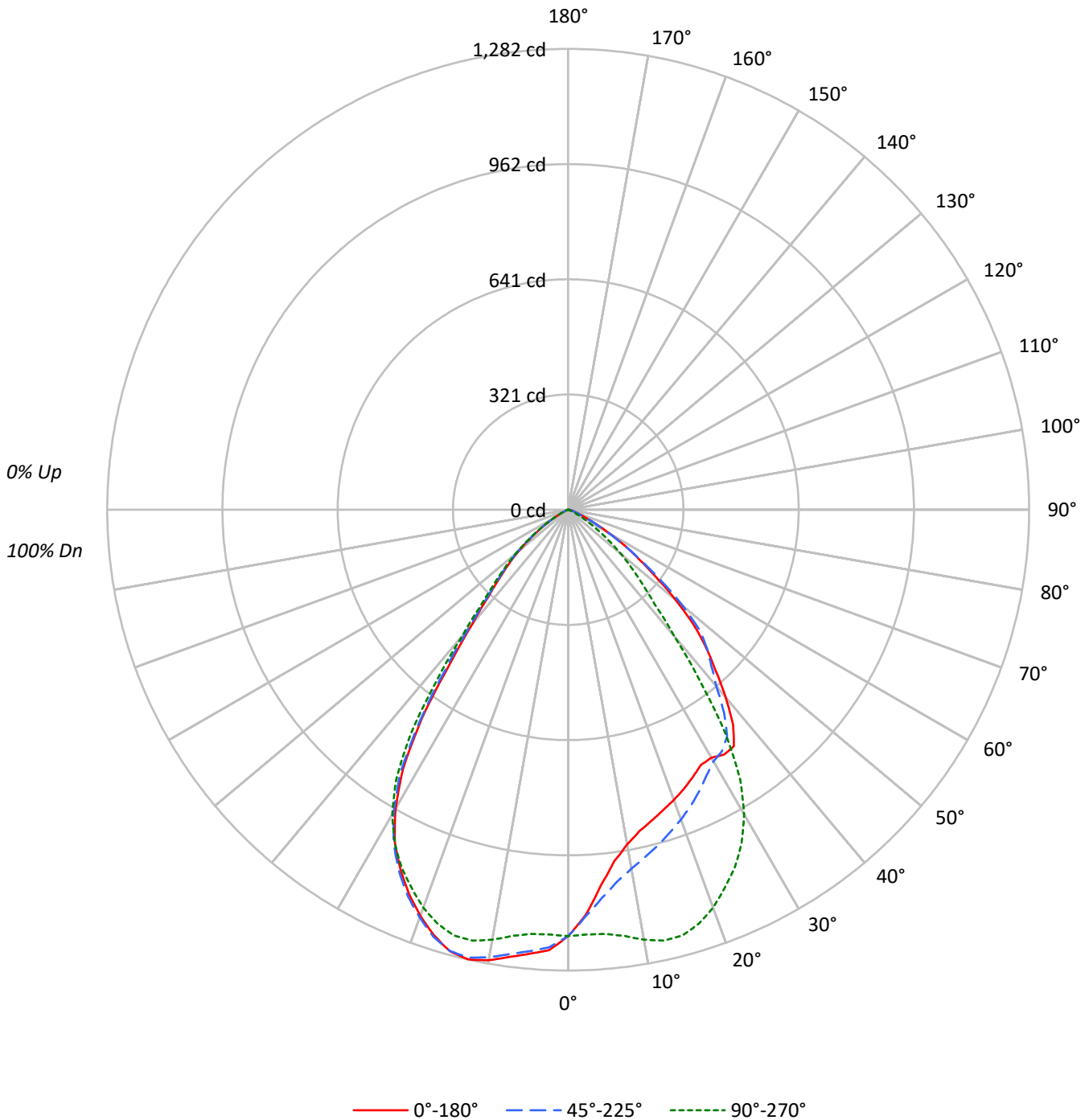
Lumens per Lamp: N/A
Luminaire Lumens: 1815.7 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 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: P244148
CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P244148

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW0LI

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 | 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° | | | |



TEST NUMBER: P244148

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW0LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 110.6 | 6.1 |
| 10°-20° | 319.3 | 17.6 |
| 20°-30° | 463.5 | 25.5 |
| 30°-40° | 456.5 | 25.1 |
| 40°-50° | 286.1 | 15.8 |
| 50°-60° | 138.1 | 7.6 |
| 60°-70° | 33.4 | 1.8 |
| 70°-80° | 6.7 | 0.4 |
| 80°-90° | 1.5 | 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° | 893.3 | 49.2 |
| 0°-40° | 1349.8 | 74.3 |
| 0°-60° | 1774.0 | 97.7 |
| 0°-90° | 1815.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1815.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1186 | 1186 | 1186 | 1186 | 1186 | |
| 5° | 1048 | 1084 | 1185 | 1233 | 1240 | 97 |
| 15° | 896 | 966 | 1226 | 1271 | 1272 | 253 |
| 25° | 820 | 863 | 1097 | 1112 | 1104 | 380 |
| 35° | 803 | 770 | 766 | 722 | 710 | 486 |
| 45° | 542 | 546 | 290 | 277 | 270 | 415 |
| 55° | 241 | 249 | 105 | 104 | 99 | 222 |
| 65° | 56 | 56 | 16 | 13 | 12 | 64 |
| 75° | 14 | 12 | 3 | 2 | 1 | 15 |
| 85° | 4 | 3 | 1 | 0 | 0 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P244148

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW0LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 |
| 2.5° | 1127.6 | 1120.4 | 1107.0 | 1123.2 | 1123.2 | 1114.2 | 1132.3 | 1121.4 | 1130.1 | 1143.8 | 1131.6 |
| 5° | 1048.4 | 1042.5 | 1031.3 | 1048.4 | 1050.6 | 1042.2 | 1064.0 | 1055.9 | 1068.8 | 1085.5 | 1083.9 |
| 7.5° | 985.8 | 978.3 | 968.1 | 985.8 | 989.2 | 983.6 | 1004.5 | 1000.8 | 1017.6 | 1039.4 | 1043.1 |
| 10° | 945.0 | 937.1 | 928.1 | 944.3 | 946.8 | 943.1 | 964.2 | 962.1 | 978.6 | 1003.8 | 1013.8 |
| 12.5° | 916.0 | 909.4 | 899.4 | 916.6 | 919.5 | 914.1 | 934.1 | 933.1 | 950.3 | 976.7 | 989.2 |
| 15° | 895.7 | 888.0 | 878.8 | 893.6 | 897.3 | 891.3 | 910.4 | 908.6 | 926.0 | 952.1 | 966.2 |
| 17.5° | 876.7 | 869.5 | 860.2 | 873.9 | 877.6 | 871.4 | 890.1 | 887.0 | 901.9 | 926.9 | 941.2 |
| 20° | 858.9 | 851.2 | 842.7 | 856.8 | 858.9 | 851.7 | 870.5 | 866.5 | 879.9 | 902.9 | 916.9 |
| 22.5° | 840.6 | 832.5 | 823.7 | 837.4 | 839.6 | 832.5 | 849.6 | 844.9 | 857.4 | 878.3 | 891.0 |
| 25° | 820.4 | 812.8 | 804.0 | 816.9 | 818.8 | 810.9 | 829.0 | 823.0 | 834.0 | 852.4 | 863.0 |
| 27.5° | 800.0 | 792.9 | 783.2 | 796.3 | 797.3 | 789.8 | 806.3 | 798.2 | 807.2 | 824.1 | 833.1 |
| 30° | 796.6 | 788.5 | 778.5 | 789.2 | 789.4 | 779.7 | 795.4 | 785.7 | 790.6 | 803.1 | 808.4 |
| 32.5° | 807.5 | 799.4 | 789.2 | 797.8 | 796.9 | 786.4 | 801.3 | 789.4 | 791.0 | 797.5 | 796.3 |
| 35° | 803.1 | 793.5 | 781.3 | 790.6 | 790.6 | 777.9 | 792.9 | 778.8 | 777.3 | 778.3 | 770.4 |
| 37.5° | 753.6 | 746.1 | 734.6 | 743.6 | 742.7 | 733.1 | 744.5 | 733.1 | 727.8 | 725.5 | 711.6 |
| 40° | 680.6 | 671.6 | 663.0 | 672.5 | 673.5 | 663.2 | 678.2 | 665.1 | 663.5 | 657.3 | 640.8 |
| 42.5° | 606.8 | 603.7 | 595.2 | 603.3 | 607.7 | 599.1 | 611.4 | 605.2 | 606.2 | 604.6 | 589.1 |
| 45° | 542.2 | 537.0 | 530.8 | 540.1 | 542.9 | 538.5 | 551.0 | 547.3 | 551.0 | 558.8 | 546.1 |
| 47.5° | 472.8 | 467.6 | 460.7 | 470.6 | 475.6 | 467.6 | 478.1 | 476.9 | 482.4 | 495.9 | 494.7 |
| 50° | 388.9 | 385.2 | 384.0 | 385.2 | 388.3 | 384.6 | 392.1 | 392.4 | 396.1 | 414.6 | 415.8 |
| 52.5° | 307.9 | 307.0 | 302.6 | 306.7 | 306.7 | 300.7 | 308.2 | 304.8 | 308.6 | 321.0 | 329.1 |
| 55° | 240.9 | 240.0 | 237.2 | 240.9 | 236.8 | 234.7 | 236.8 | 233.4 | 230.6 | 240.3 | 248.7 |
| 57.5° | 187.6 | 184.5 | 181.1 | 182.6 | 182.4 | 177.6 | 180.1 | 176.1 | 173.9 | 177.3 | 184.8 |
| 60° | 133.6 | 132.8 | 129.6 | 131.2 | 132.4 | 129.0 | 131.5 | 129.6 | 125.9 | 128.7 | 129.0 |
| 62.5° | 88.9 | 89.4 | 87.5 | 87.9 | 87.0 | 86.3 | 87.9 | 88.9 | 87.9 | 86.6 | 87.0 |
| 65° | 56.4 | 56.1 | 55.8 | 56.1 | 56.7 | 55.5 | 56.4 | 57.0 | 56.1 | 56.1 | 55.8 |
| 67.5° | 37.4 | 36.4 | 35.6 | 36.1 | 36.8 | 35.9 | 36.8 | 36.4 | 36.8 | 36.4 | 35.6 |
| 70° | 25.2 | 25.0 | 24.6 | 25.0 | 25.0 | 24.3 | 25.0 | 24.6 | 25.0 | 24.6 | 23.7 |
| 72.5° | 18.3 | 18.3 | 18.1 | 18.3 | 18.3 | 17.8 | 18.1 | 17.4 | 17.8 | 17.4 | 16.9 |
| 75° | 13.7 | 13.7 | 13.4 | 13.7 | 13.4 | 13.0 | 13.4 | 13.0 | 12.5 | 12.5 | 11.8 |
| 77.5° | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 9.7 | 9.7 | 9.3 | 9.0 | 8.8 | 8.8 |
| 80° | 7.4 | 7.2 | 7.2 | 7.2 | 7.2 | 6.9 | 7.2 | 6.9 | 6.5 | 6.2 | 6.0 |
| 82.5° | 5.3 | 5.6 | 5.3 | 5.3 | 5.3 | 5.0 | 5.3 | 5.0 | 5.0 | 4.7 | 4.0 |
| 85° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.7 | 3.7 | 3.7 | 3.4 | 3.4 | 3.2 |
| 87.5° | 2.1 | 2.1 | 2.1 | 2.5 | 2.1 | 2.1 | 2.1 | 1.9 | 1.9 | 1.6 | 1.6 |
| 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: P244148

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW01

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 |
| 2.5° | 1147.8 | 1149.4 | 1146.0 | 1151.3 | 1171.8 | 1155.4 | 1162.2 | 1164.4 | 1180.0 | 1182.7 | 1180.9 |
| 5° | 1104.2 | 1111.0 | 1115.4 | 1127.2 | 1150.1 | 1138.2 | 1150.3 | 1158.2 | 1178.1 | 1184.6 | 1186.2 |
| 7.5° | 1070.0 | 1084.3 | 1094.9 | 1114.2 | 1141.0 | 1132.0 | 1150.3 | 1163.1 | 1187.4 | 1195.9 | 1199.9 |
| 10° | 1044.3 | 1066.2 | 1084.6 | 1111.0 | 1141.3 | 1135.4 | 1159.4 | 1177.4 | 1204.5 | 1214.6 | 1219.5 |
| 12.5° | 1025.1 | 1051.5 | 1076.2 | 1109.8 | 1142.6 | 1139.7 | 1168.8 | 1189.4 | 1218.0 | 1227.9 | 1233.9 |
| 15° | 1003.8 | 1034.4 | 1063.1 | 1100.8 | 1136.0 | 1135.4 | 1166.5 | 1188.3 | 1217.7 | 1226.1 | 1231.6 |
| 17.5° | 978.6 | 1011.4 | 1042.9 | 1083.6 | 1118.6 | 1119.1 | 1150.6 | 1172.1 | 1200.8 | 1207.7 | 1211.4 |
| 20° | 953.1 | 985.5 | 1017.0 | 1059.1 | 1093.3 | 1094.3 | 1125.1 | 1145.0 | 1172.5 | 1178.1 | 1179.0 |
| 22.5° | 926.0 | 956.1 | 987.6 | 1029.4 | 1062.4 | 1063.1 | 1093.6 | 1112.3 | 1135.7 | 1138.5 | 1141.0 |
| 25° | 895.0 | 924.8 | 954.3 | 995.7 | 1027.2 | 1029.1 | 1056.8 | 1073.4 | 1094.9 | 1097.1 | 1098.0 |
| 27.5° | 863.0 | 887.3 | 915.6 | 951.2 | 983.0 | 981.8 | 1007.9 | 1026.7 | 1045.9 | 1044.7 | 1044.3 |
| 30° | 830.6 | 850.8 | 868.3 | 902.6 | 926.0 | 926.9 | 951.5 | 960.5 | 980.8 | 978.3 | 978.0 |
| 32.5° | 807.9 | 813.2 | 817.8 | 835.3 | 857.4 | 849.6 | 866.5 | 877.6 | 891.7 | 890.8 | 891.0 |
| 35° | 766.1 | 756.4 | 742.4 | 744.9 | 758.2 | 746.1 | 755.2 | 754.9 | 769.2 | 765.8 | 769.8 |
| 37.5° | 694.7 | 667.2 | 636.1 | 618.3 | 620.9 | 605.6 | 602.4 | 610.0 | 614.9 | 605.2 | 608.6 |
| 40° | 618.6 | 578.1 | 529.5 | 489.0 | 486.8 | 467.8 | 464.4 | 456.9 | 466.5 | 458.4 | 460.9 |
| 42.5° | 562.5 | 509.0 | 445.0 | 395.8 | 385.2 | 369.3 | 360.0 | 358.8 | 361.6 | 356.0 | 354.4 |
| 45° | 519.5 | 462.5 | 389.2 | 332.9 | 321.0 | 303.9 | 294.5 | 291.2 | 291.4 | 289.6 | 288.0 |
| 47.5° | 469.0 | 411.8 | 337.5 | 279.9 | 266.5 | 250.3 | 240.9 | 238.7 | 240.0 | 237.5 | 235.6 |
| 50° | 399.3 | 347.8 | 280.2 | 227.5 | 215.7 | 203.8 | 196.3 | 194.2 | 193.8 | 192.0 | 190.7 |
| 52.5° | 324.1 | 281.5 | 222.9 | 178.9 | 168.3 | 156.7 | 151.4 | 148.6 | 149.0 | 147.2 | 145.2 |
| 55° | 250.9 | 224.4 | 172.7 | 135.2 | 125.6 | 116.6 | 111.6 | 108.1 | 107.2 | 105.3 | 104.4 |
| 57.5° | 186.6 | 169.0 | 129.4 | 97.5 | 91.9 | 83.2 | 78.2 | 74.1 | 73.6 | 72.6 | 72.3 |
| 60° | 131.0 | 118.1 | 91.0 | 69.5 | 63.0 | 57.7 | 52.6 | 48.6 | 46.8 | 46.5 | 45.4 |
| 62.5° | 84.8 | 77.0 | 59.8 | 46.5 | 41.4 | 37.7 | 32.7 | 29.9 | 28.7 | 27.4 | 27.8 |
| 65° | 52.6 | 46.8 | 37.4 | 29.9 | 27.1 | 24.3 | 20.6 | 18.1 | 16.9 | 15.6 | 15.9 |
| 67.5° | 32.7 | 29.2 | 23.7 | 19.3 | 17.4 | 15.3 | 12.5 | 10.6 | 9.7 | 8.8 | 8.1 |
| 70° | 22.2 | 19.0 | 16.2 | 13.7 | 12.5 | 10.9 | 9.0 | 7.4 | 6.9 | 6.2 | 5.6 |
| 72.5° | 15.6 | 14.1 | 11.8 | 10.2 | 9.3 | 8.1 | 6.9 | 6.0 | 5.3 | 4.7 | 4.0 |
| 75° | 11.2 | 10.0 | 8.8 | 7.4 | 6.9 | 6.2 | 5.3 | 4.7 | 4.0 | 3.4 | 2.8 |
| 77.5° | 8.1 | 7.2 | 6.2 | 5.6 | 5.3 | 4.4 | 3.7 | 3.4 | 3.2 | 2.5 | 1.9 |
| 80° | 5.6 | 5.0 | 4.0 | 3.7 | 3.7 | 3.2 | 2.8 | 2.5 | 2.1 | 1.6 | 1.2 |
| 82.5° | 3.7 | 3.4 | 3.2 | 2.8 | 2.5 | 2.1 | 2.1 | 1.6 | 1.2 | 0.9 | 0.7 |
| 85° | 2.8 | 2.5 | 2.1 | 1.9 | 1.9 | 1.6 | 1.2 | 0.9 | 0.9 | 0.7 | 0.3 |
| 87.5° | 1.6 | 1.6 | 1.2 | 0.9 | 0.9 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 |
| 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: P244148

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW01

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 |
| 2.5° | 1196.8 | 1197.7 | 1203.1 | 1199.0 | 1209.3 | 1216.7 | 1213.0 | 1221.4 | 1218.6 | 1218.0 | 1227.6 |
| 5° | 1204.9 | 1207.1 | 1214.2 | 1210.5 | 1221.8 | 1229.9 | 1226.1 | 1235.5 | 1232.7 | 1232.0 | 1242.0 |
| 7.5° | 1220.5 | 1222.6 | 1228.8 | 1225.8 | 1237.6 | 1244.8 | 1240.1 | 1250.4 | 1246.6 | 1246.4 | 1256.0 |
| 10° | 1240.1 | 1243.2 | 1248.5 | 1245.4 | 1256.3 | 1262.6 | 1257.9 | 1267.9 | 1264.4 | 1262.8 | 1273.5 |
| 12.5° | 1254.7 | 1257.0 | 1262.2 | 1259.8 | 1270.4 | 1275.0 | 1270.9 | 1280.6 | 1276.3 | 1275.0 | 1284.4 |
| 15° | 1251.3 | 1253.5 | 1257.9 | 1255.7 | 1265.6 | 1270.0 | 1264.7 | 1275.3 | 1270.9 | 1268.4 | 1276.9 |
| 17.5° | 1229.5 | 1230.8 | 1233.9 | 1231.6 | 1242.3 | 1245.1 | 1239.2 | 1249.8 | 1245.7 | 1241.3 | 1249.4 |
| 20° | 1197.4 | 1196.8 | 1198.7 | 1197.7 | 1206.4 | 1208.0 | 1204.3 | 1212.1 | 1207.4 | 1204.9 | 1209.6 |
| 22.5° | 1157.5 | 1157.0 | 1158.2 | 1155.6 | 1164.4 | 1165.3 | 1159.6 | 1169.1 | 1164.4 | 1159.6 | 1167.5 |
| 25° | 1113.3 | 1109.8 | 1109.2 | 1110.1 | 1116.1 | 1117.0 | 1111.0 | 1117.9 | 1112.1 | 1108.2 | 1115.8 |
| 27.5° | 1058.7 | 1054.4 | 1053.4 | 1054.4 | 1060.3 | 1055.9 | 1051.0 | 1055.9 | 1050.0 | 1046.6 | 1051.2 |
| 30° | 991.4 | 985.2 | 982.4 | 980.6 | 986.7 | 985.2 | 973.7 | 979.2 | 969.9 | 964.9 | 968.3 |
| 32.5° | 900.7 | 897.3 | 889.8 | 885.5 | 891.3 | 879.5 | 872.3 | 872.3 | 868.6 | 860.2 | 862.1 |
| 35° | 774.8 | 769.5 | 762.6 | 758.9 | 759.8 | 744.0 | 732.2 | 734.6 | 722.1 | 719.9 | 720.9 |
| 37.5° | 615.5 | 606.8 | 604.4 | 596.5 | 598.4 | 584.3 | 568.1 | 568.5 | 561.9 | 555.1 | 552.9 |
| 40° | 462.5 | 460.9 | 458.4 | 451.9 | 454.4 | 439.1 | 432.9 | 433.2 | 428.8 | 423.9 | 426.4 |
| 42.5° | 357.5 | 352.5 | 350.9 | 348.8 | 349.4 | 346.8 | 338.7 | 339.8 | 335.9 | 334.7 | 333.4 |
| 45° | 290.5 | 285.2 | 281.5 | 283.3 | 283.3 | 280.5 | 277.4 | 279.2 | 277.4 | 274.8 | 276.2 |
| 47.5° | 239.4 | 234.3 | 232.5 | 232.2 | 234.3 | 232.5 | 229.4 | 230.1 | 229.7 | 228.7 | 228.2 |
| 50° | 191.0 | 189.8 | 188.2 | 187.3 | 188.2 | 187.6 | 184.8 | 186.4 | 187.3 | 184.2 | 185.2 |
| 52.5° | 145.6 | 145.6 | 145.2 | 143.1 | 144.9 | 143.1 | 142.8 | 143.3 | 142.4 | 141.2 | 140.8 |
| 55° | 106.5 | 105.6 | 104.1 | 103.8 | 104.4 | 103.8 | 103.2 | 103.5 | 104.1 | 101.0 | 101.0 |
| 57.5° | 72.9 | 72.3 | 71.3 | 71.3 | 72.6 | 71.1 | 70.1 | 71.3 | 70.1 | 68.9 | 68.9 |
| 60° | 46.8 | 46.5 | 45.4 | 45.4 | 45.4 | 45.2 | 44.2 | 44.6 | 45.2 | 43.3 | 43.6 |
| 62.5° | 28.0 | 27.1 | 26.8 | 26.4 | 26.8 | 26.4 | 26.4 | 26.2 | 25.9 | 25.9 | 25.0 |
| 65° | 15.3 | 14.6 | 14.1 | 14.3 | 14.3 | 14.1 | 14.1 | 14.1 | 13.4 | 13.0 | 12.8 |
| 67.5° | 7.8 | 7.2 | 7.2 | 6.9 | 6.9 | 6.9 | 6.9 | 6.5 | 6.5 | 6.5 | 6.2 |
| 70° | 5.0 | 4.7 | 4.4 | 4.4 | 4.4 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.7 |
| 72.5° | 3.4 | 3.2 | 2.8 | 2.8 | 2.8 | 2.5 | 2.5 | 2.5 | 2.5 | 2.1 | 2.1 |
| 75° | 2.5 | 2.1 | 1.9 | 1.9 | 1.9 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 1.6 | 1.2 | 1.2 | 1.2 | 1.2 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.7 |
| 80° | 0.9 | 0.9 | 0.7 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 82.5° | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.0 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.3 | 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: P244148

CATALOG NUMBER: LD8B20D010 ER8B20927 8LBSW01

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 |
| 2.5° | 1224.2 | 1221.8 | 1223.3 | 1234.8 | 1229.9 | 1228.3 | 1215.2 | 1226.7 |
| 5° | 1238.9 | 1237.0 | 1237.0 | 1250.1 | 1244.1 | 1242.9 | 1230.2 | 1240.1 |
| 7.5° | 1252.6 | 1250.7 | 1251.0 | 1264.4 | 1259.8 | 1257.9 | 1245.1 | 1255.0 |
| 10° | 1270.4 | 1269.1 | 1269.4 | 1282.2 | 1277.2 | 1275.3 | 1262.2 | 1272.5 |
| 12.5° | 1280.9 | 1279.0 | 1279.0 | 1292.7 | 1287.2 | 1284.4 | 1271.9 | 1281.8 |
| 15° | 1272.8 | 1270.0 | 1270.0 | 1283.7 | 1277.6 | 1273.5 | 1262.6 | 1271.9 |
| 17.5° | 1245.1 | 1242.3 | 1242.3 | 1254.1 | 1249.4 | 1243.6 | 1232.3 | 1241.1 |
| 20° | 1206.4 | 1203.1 | 1202.1 | 1215.8 | 1209.3 | 1204.0 | 1194.0 | 1202.4 |
| 22.5° | 1162.8 | 1161.2 | 1158.4 | 1172.1 | 1166.3 | 1160.7 | 1150.1 | 1156.6 |
| 25° | 1110.5 | 1108.0 | 1105.2 | 1118.6 | 1112.6 | 1107.0 | 1098.6 | 1104.0 |
| 27.5° | 1045.4 | 1045.7 | 1044.1 | 1054.7 | 1048.7 | 1045.7 | 1035.3 | 1044.1 |
| 30° | 966.5 | 963.0 | 961.8 | 974.2 | 968.6 | 964.6 | 951.9 | 960.2 |
| 32.5° | 863.7 | 858.6 | 852.1 | 866.1 | 856.5 | 853.0 | 842.1 | 854.3 |
| 35° | 714.0 | 712.5 | 706.5 | 718.4 | 713.1 | 706.8 | 700.0 | 710.3 |
| 37.5° | 551.9 | 553.2 | 552.6 | 555.8 | 552.6 | 548.6 | 541.0 | 537.3 |
| 40° | 421.4 | 418.3 | 415.8 | 421.4 | 414.8 | 414.8 | 410.5 | 415.1 |
| 42.5° | 330.4 | 329.1 | 332.2 | 333.4 | 329.7 | 329.1 | 328.5 | 328.2 |
| 45° | 272.7 | 272.7 | 273.4 | 274.6 | 273.4 | 272.7 | 270.8 | 269.6 |
| 47.5° | 224.7 | 226.0 | 224.7 | 228.7 | 226.6 | 226.0 | 222.2 | 223.8 |
| 50° | 182.0 | 180.5 | 182.0 | 183.3 | 183.6 | 181.7 | 179.8 | 180.8 |
| 52.5° | 141.2 | 138.7 | 138.0 | 140.0 | 138.7 | 138.7 | 137.5 | 137.1 |
| 55° | 99.4 | 100.4 | 98.8 | 100.4 | 99.8 | 98.8 | 97.9 | 99.1 |
| 57.5° | 67.3 | 67.6 | 67.0 | 68.0 | 66.4 | 66.7 | 66.4 | 66.0 |
| 60° | 43.6 | 42.4 | 42.4 | 43.3 | 41.7 | 41.7 | 41.4 | 41.4 |
| 62.5° | 25.0 | 24.6 | 24.6 | 24.3 | 24.0 | 24.0 | 24.0 | 23.4 |
| 65° | 12.8 | 12.5 | 12.2 | 12.2 | 12.2 | 12.2 | 11.8 | 11.8 |
| 67.5° | 6.2 | 6.0 | 6.0 | 6.2 | 6.0 | 6.0 | 6.0 | 6.0 |
| 70° | 3.7 | 3.7 | 3.4 | 3.7 | 3.4 | 3.4 | 3.4 | 3.4 |
| 72.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 75° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 77.5° | 0.9 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 80° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 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)