

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: LUMARK

Report Number: P170155

Luminaire Tested: **LDRV-SL2-F03-E**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P170155
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRV-SL2-F03-E
Description: RIDGEVIEW LED AREA/SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7251.4 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

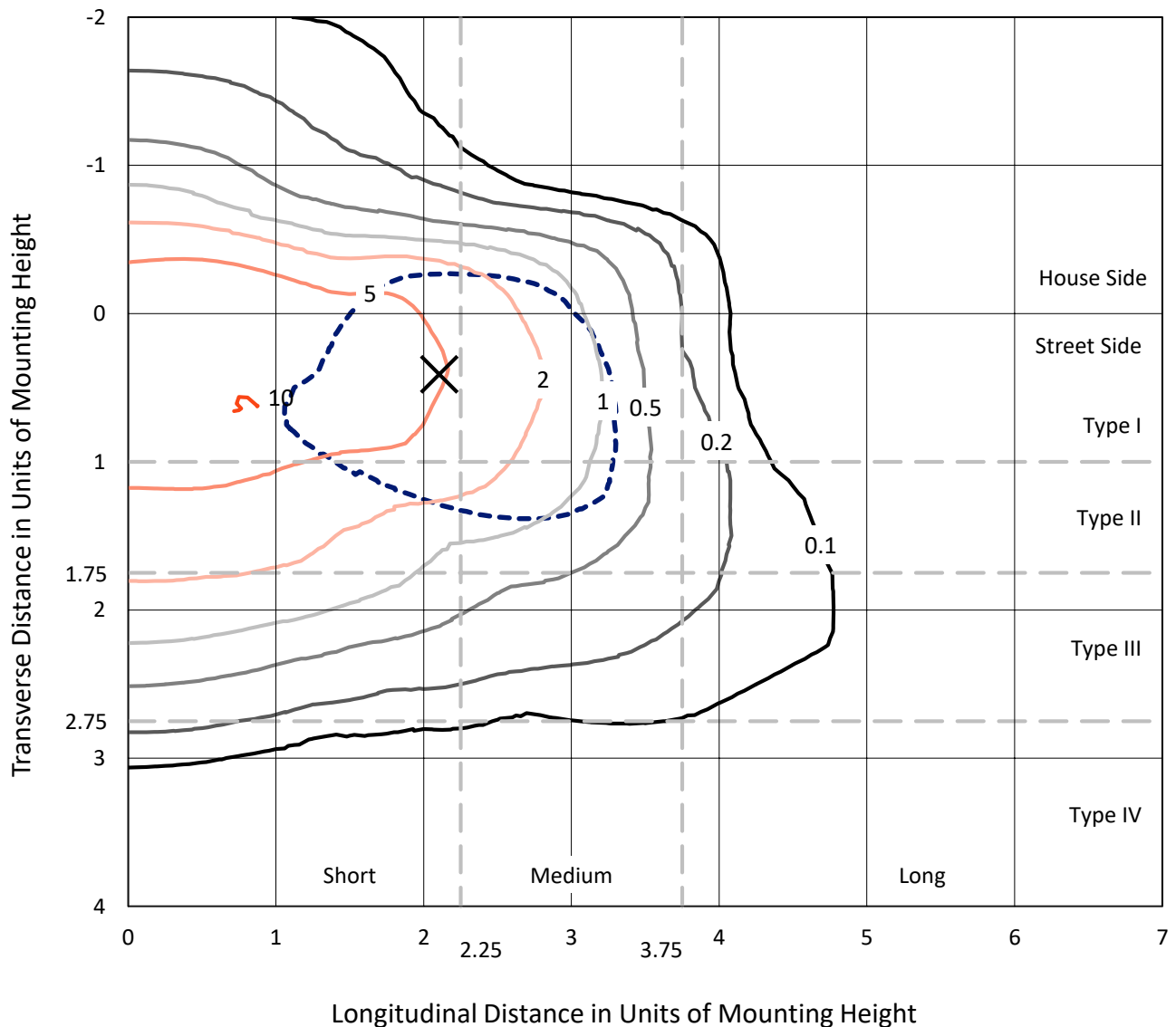
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P170155
 CATALOG NUMBER: LDRV-SL2-F03-E

Iso-Footcandle Lines of Horizontal Illumination

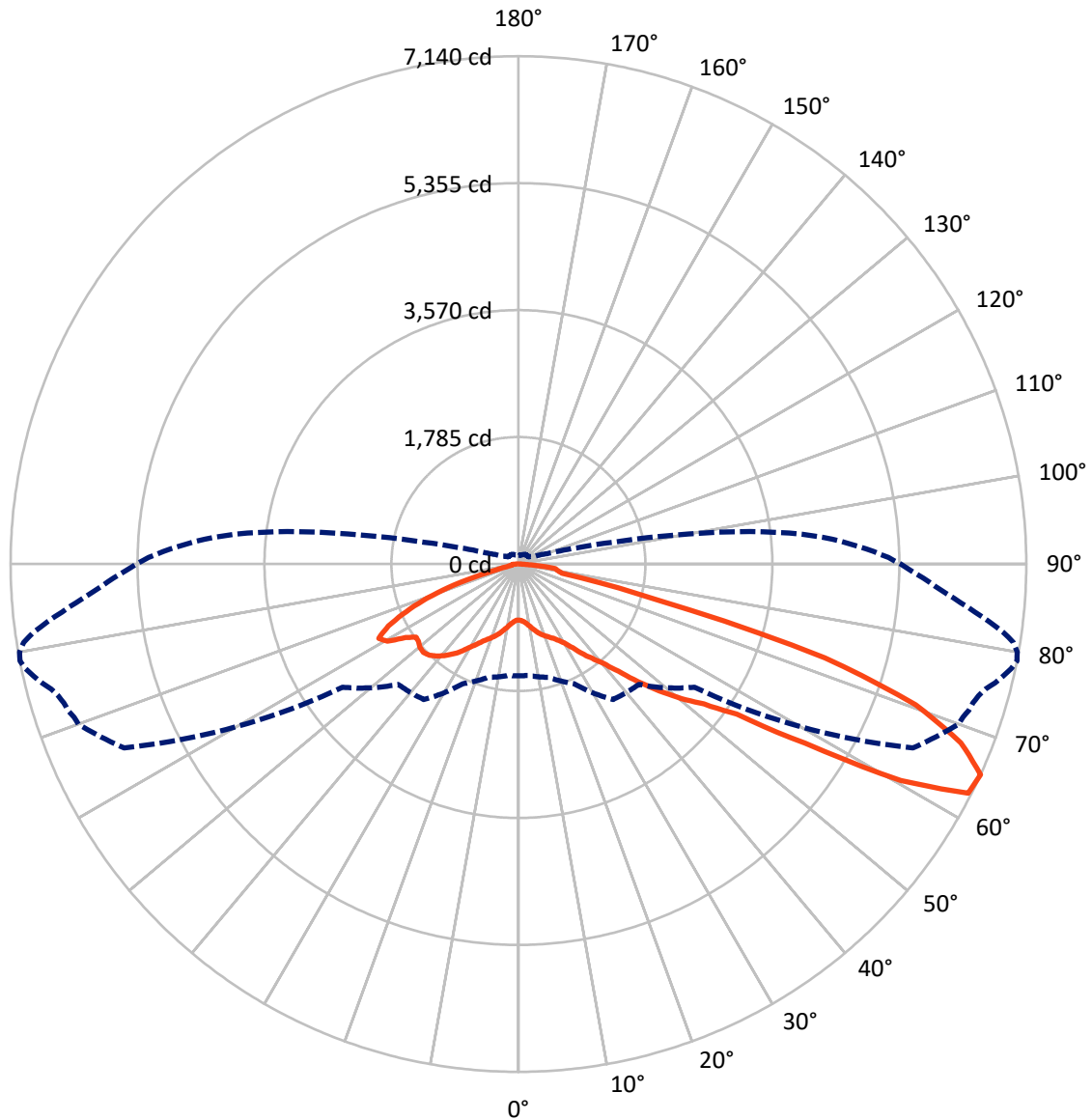
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - Non-Cutoff

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CATALOG NUMBER: LDRV-SL2-F03-E

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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CATALOG NUMBER: LDRV-SL2-F03-E

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1646.0 | 0.0 | 1646.0 |
| | % Fixture | 22.7 | 0.0 | 22.7 |
| Street Side | Lumens | 5605.4 | 0.0 | 5605.4 |
| | % Fixture | 77.3 | 0.0 | 77.3 |
| Total | Lumens | 7251.4 | 0.0 | 7251.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.3 | 1.1 |
| 10°-20° | 254.6 | 3.5 |
| 20°-30° | 439.0 | 6.1 |
| 30°-40° | 715.9 | 9.9 |
| 40°-50° | 1195.1 | 16.5 |
| 50°-60° | 1616.0 | 22.3 |
| 60°-70° | 2007.5 | 27.7 |
| 70°-80° | 803.9 | 11.1 |
| 80°-90° | 141.2 | 1.9 |
| 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°-90° | 7251.4 | 100.0 |
| 0°-180° | 7251.4 | 100.0 |



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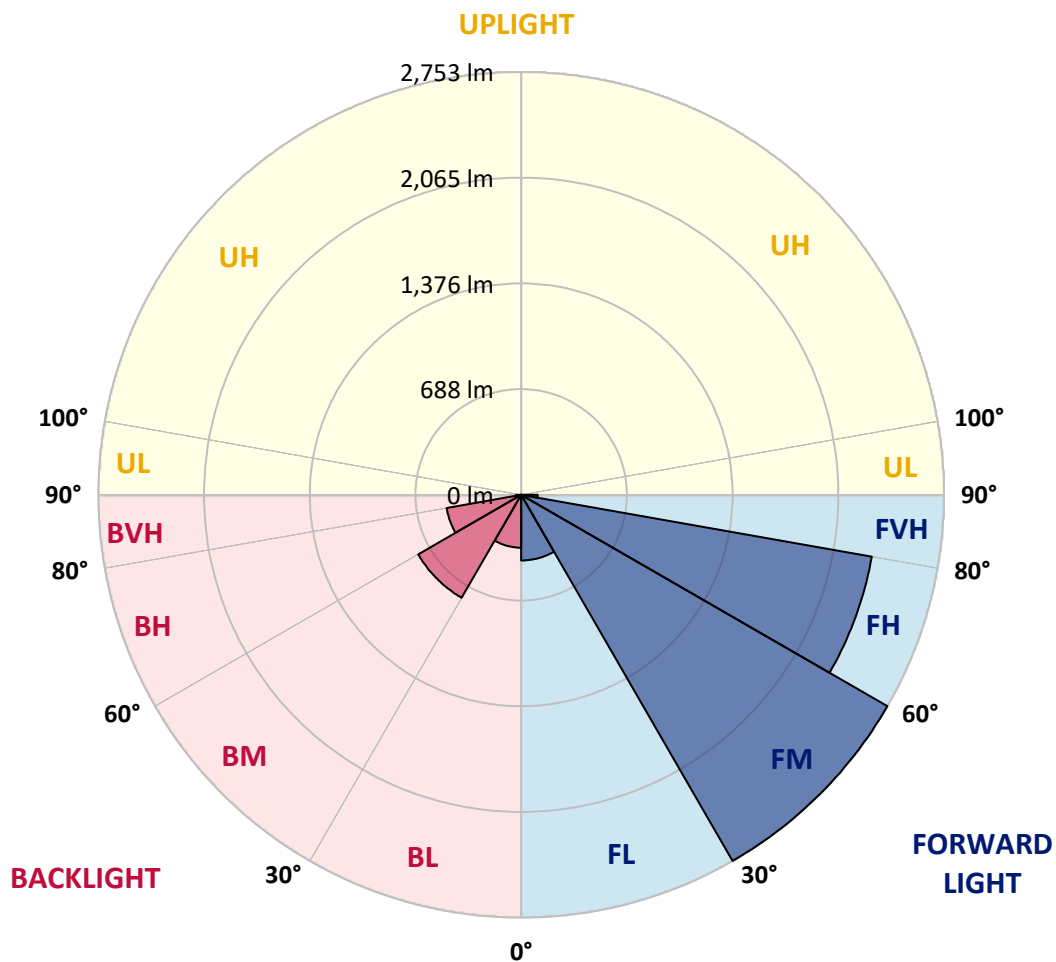
CATALOG NUMBER: LDRV-SL2-F03-E

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 427.6 | 5.9 | | | |
| FM | (30°-60°) | 2752.7 | 38.0 | | | |
| FH | (60°-80°) | 2317.9 | 32.0 | | | G2/5000 |
| FVH | (80°-90°) | 107.1 | 1.5 | | | G2/225 |
| BL | (0°-30°) | 344.3 | 4.7 | B1/500 | | |
| BM | (30°-60°) | 774.2 | 10.7 | B1/1000 | | |
| BH | (60°-80°) | 493.4 | 6.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 34.1 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type II Short





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 CATALOG NUMBER: LDRV-SL2-F03-E

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 71° | 72° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 |
| 2.5° | 794.0 | 793.5 | 796.0 | 798.0 | 798.0 | 798.9 | 798.4 | 795.5 | 796.0 | 797.0 | 796.0 |
| 5° | 802.9 | 800.9 | 803.4 | 806.4 | 808.4 | 810.8 | 813.3 | 813.8 | 815.8 | 815.8 | 815.3 |
| 7.5° | 822.2 | 820.7 | 824.2 | 825.2 | 829.7 | 833.6 | 838.6 | 842.0 | 844.0 | 845.0 | 846.5 |
| 10° | 855.4 | 854.4 | 855.4 | 857.4 | 859.4 | 863.8 | 872.2 | 879.7 | 884.1 | 884.1 | 886.1 |
| 12.5° | 895.5 | 891.6 | 892.6 | 888.6 | 889.6 | 899.0 | 908.9 | 921.3 | 928.7 | 929.7 | 930.7 |
| 15° | 926.7 | 924.8 | 923.3 | 917.8 | 921.8 | 934.2 | 949.5 | 967.4 | 973.8 | 979.2 | 978.7 |
| 17.5° | 956.0 | 953.5 | 950.0 | 942.6 | 946.5 | 966.4 | 989.6 | 1009.5 | 1020.3 | 1021.3 | 1022.3 |
| 20° | 990.6 | 987.7 | 981.2 | 965.9 | 964.9 | 992.6 | 1023.8 | 1045.1 | 1055.0 | 1059.5 | 1061.0 |
| 22.5° | 1034.7 | 1030.8 | 1018.9 | 989.1 | 981.2 | 1013.9 | 1051.1 | 1077.3 | 1087.7 | 1092.2 | 1094.6 |
| 25° | 1091.2 | 1083.3 | 1064.4 | 1017.9 | 1001.5 | 1035.7 | 1080.3 | 1112.0 | 1126.3 | 1130.8 | 1133.8 |
| 27.5° | 1142.2 | 1136.3 | 1113.5 | 1058.5 | 1030.3 | 1064.9 | 1115.9 | 1156.6 | 1176.4 | 1181.8 | 1186.3 |
| 30° | 1201.6 | 1193.2 | 1174.9 | 1116.4 | 1078.8 | 1109.5 | 1174.4 | 1225.9 | 1250.2 | 1250.7 | 1260.6 |
| 32.5° | 1341.3 | 1335.9 | 1319.0 | 1254.6 | 1191.2 | 1193.2 | 1253.6 | 1324.5 | 1348.7 | 1352.7 | 1361.6 |
| 35° | 1548.4 | 1546.4 | 1545.9 | 1510.2 | 1463.2 | 1414.6 | 1419.1 | 1473.1 | 1489.4 | 1495.9 | 1498.8 |
| 37.5° | 1684.6 | 1701.9 | 1744.0 | 1769.8 | 1757.9 | 1768.3 | 1713.8 | 1647.9 | 1638.5 | 1631.6 | 1634.5 |
| 40° | 1802.0 | 1817.3 | 1902.5 | 2021.4 | 2093.7 | 2144.7 | 2096.7 | 1894.6 | 1819.3 | 1797.5 | 1789.1 |
| 42.5° | 1871.3 | 1888.6 | 2010.5 | 2200.7 | 2384.9 | 2505.8 | 2518.7 | 2237.8 | 2046.6 | 2044.2 | 2012.5 |
| 45° | 1908.9 | 1926.3 | 2071.9 | 2328.0 | 2588.5 | 2806.5 | 2919.4 | 2660.3 | 2379.5 | 2358.7 | 2314.6 |
| 47.5° | 1901.5 | 1917.9 | 2069.4 | 2375.0 | 2708.9 | 3006.1 | 3231.9 | 3087.3 | 2763.4 | 2713.3 | 2652.4 |
| 50° | 1810.9 | 1822.8 | 1981.8 | 2298.3 | 2676.7 | 3089.3 | 3445.9 | 3479.1 | 3197.8 | 3129.9 | 3038.8 |
| 52.5° | 1717.3 | 1738.6 | 1870.3 | 2162.0 | 2530.6 | 3037.8 | 3573.7 | 3835.7 | 3603.4 | 3556.9 | 3440.0 |
| 55° | 1666.7 | 1683.6 | 1791.1 | 2040.2 | 2376.5 | 2861.9 | 3626.7 | 4172.0 | 4096.3 | 4077.4 | 3994.7 |
| 57.5° | 1664.8 | 1681.1 | 1766.8 | 1966.4 | 2251.2 | 2678.7 | 3642.1 | 4691.6 | 4914.0 | 4919.0 | 4895.2 |
| 60° | 1746.0 | 1762.8 | 1834.6 | 2002.1 | 2212.6 | 2521.6 | 3587.1 | 5428.7 | 5920.0 | 5963.6 | 6036.4 |
| 62.5° | 1757.4 | 1765.3 | 1852.0 | 2077.8 | 2353.2 | 2404.3 | 3360.7 | 6042.3 | 6611.5 | 6651.6 | 6691.7 |
| 65° | 1572.1 | 1571.6 | 1648.4 | 1856.4 | 2324.0 | 2392.4 | 3020.4 | 6117.6 | 6583.7 | 6608.0 | 6658.0 |
| 67.5° | 1172.4 | 1162.5 | 1206.1 | 1396.3 | 1844.1 | 2395.3 | 2617.2 | 5549.5 | 6070.6 | 6116.6 | 6133.5 |
| 70° | 604.3 | 619.6 | 649.4 | 765.8 | 1170.9 | 1928.3 | 2248.2 | 4682.2 | 5329.1 | 5346.4 | 5406.4 |
| 72.5° | 248.2 | 241.7 | 262.0 | 322.0 | 586.0 | 1274.4 | 1859.9 | 3695.0 | 4401.4 | 4389.5 | 4400.4 |
| 75° | 138.2 | 140.2 | 146.1 | 167.9 | 284.8 | 639.9 | 1597.9 | 2615.8 | 2993.2 | 2788.1 | 2726.2 |
| 77.5° | 111.0 | 111.9 | 112.4 | 116.4 | 155.5 | 341.3 | 1226.4 | 1722.7 | 1505.3 | 1397.8 | 1356.7 |
| 80° | 81.2 | 86.7 | 92.6 | 93.6 | 107.0 | 193.7 | 672.6 | 1450.3 | 1270.5 | 1181.3 | 1108.0 |
| 82.5° | 65.4 | 67.9 | 80.7 | 82.7 | 85.2 | 115.4 | 304.6 | 1362.1 | 1265.5 | 1174.4 | 1073.3 |
| 85° | 39.1 | 43.6 | 65.9 | 66.4 | 67.4 | 70.3 | 168.4 | 554.8 | 690.0 | 609.7 | 558.2 |
| 87.5° | 13.9 | 17.8 | 32.7 | 27.2 | 34.7 | 28.7 | 73.8 | 185.7 | 228.8 | 217.4 | 192.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P170155

CATALOG NUMBER: LDRV-SL2-F03-E

CANDELA DISTRIBUTION (continued):

| | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 |
| 2.5° | 795.5 | 795.5 | 796.5 | 796.0 | 796.0 | 796.0 | 796.0 | 795.0 | 795.0 | 793.5 | 794.5 |
| 5° | 815.3 | 814.8 | 815.3 | 815.8 | 815.3 | 816.3 | 815.8 | 815.3 | 815.8 | 815.3 | 815.8 |
| 7.5° | 847.0 | 844.5 | 848.0 | 846.0 | 845.5 | 848.5 | 847.0 | 848.5 | 849.0 | 848.5 | 848.0 |
| 10° | 887.1 | 888.6 | 888.6 | 888.6 | 887.6 | 890.6 | 891.1 | 892.1 | 892.6 | 894.5 | 894.5 |
| 12.5° | 933.2 | 933.7 | 935.6 | 935.2 | 936.1 | 939.6 | 942.1 | 942.6 | 943.1 | 944.6 | 942.6 |
| 15° | 982.7 | 983.7 | 983.7 | 988.2 | 986.7 | 991.6 | 993.1 | 993.1 | 993.6 | 999.5 | 1000.0 |
| 17.5° | 1026.8 | 1026.8 | 1030.8 | 1030.8 | 1034.7 | 1035.7 | 1040.2 | 1040.7 | 1042.6 | 1048.1 | 1048.6 |
| 20° | 1063.9 | 1065.9 | 1068.4 | 1071.4 | 1072.9 | 1075.8 | 1078.8 | 1081.8 | 1084.2 | 1088.7 | 1089.2 |
| 22.5° | 1099.1 | 1101.1 | 1105.0 | 1107.0 | 1110.5 | 1112.5 | 1115.0 | 1118.4 | 1122.4 | 1128.3 | 1129.8 |
| 25° | 1139.7 | 1141.7 | 1146.2 | 1149.1 | 1153.1 | 1156.1 | 1160.5 | 1165.0 | 1167.5 | 1173.4 | 1177.9 |
| 27.5° | 1191.2 | 1197.2 | 1203.1 | 1204.6 | 1207.6 | 1214.5 | 1220.5 | 1226.4 | 1231.8 | 1234.8 | 1240.3 |
| 30° | 1266.5 | 1266.5 | 1278.9 | 1278.9 | 1284.4 | 1290.8 | 1294.8 | 1301.2 | 1311.1 | 1314.1 | 1321.0 |
| 32.5° | 1367.6 | 1370.0 | 1374.5 | 1387.9 | 1397.8 | 1400.8 | 1403.7 | 1413.1 | 1419.1 | 1426.5 | 1434.9 |
| 35° | 1511.7 | 1514.2 | 1516.7 | 1529.5 | 1540.9 | 1543.9 | 1546.9 | 1552.8 | 1562.7 | 1575.6 | 1571.6 |
| 37.5° | 1641.0 | 1642.5 | 1650.4 | 1664.8 | 1671.2 | 1679.1 | 1681.6 | 1692.5 | 1697.9 | 1709.8 | 1710.3 |
| 40° | 1796.5 | 1793.0 | 1797.5 | 1813.8 | 1823.7 | 1823.3 | 1831.2 | 1851.0 | 1855.0 | 1860.4 | 1874.3 |
| 42.5° | 2013.5 | 2000.6 | 2014.4 | 2019.9 | 2034.8 | 2044.2 | 2060.0 | 2073.4 | 2082.8 | 2103.6 | 2113.5 |
| 45° | 2293.8 | 2280.4 | 2291.8 | 2294.3 | 2325.0 | 2334.4 | 2358.2 | 2376.0 | 2396.3 | 2420.1 | 2427.0 |
| 47.5° | 2613.3 | 2588.5 | 2574.6 | 2590.0 | 2626.7 | 2642.0 | 2665.3 | 2682.1 | 2703.4 | 2715.8 | 2711.8 |
| 50° | 2983.3 | 2923.8 | 2896.1 | 2888.2 | 2914.4 | 2936.2 | 2972.4 | 2980.3 | 2990.2 | 2989.7 | 2990.2 |
| 52.5° | 3395.9 | 3334.0 | 3276.0 | 3235.9 | 3231.9 | 3261.2 | 3270.1 | 3272.1 | 3269.1 | 3246.8 | 3232.9 |
| 55° | 3934.8 | 3930.3 | 3869.4 | 3786.2 | 3780.7 | 3777.3 | 3725.3 | 3718.8 | 3706.9 | 3672.8 | 3625.7 |
| 57.5° | 4912.5 | 4962.1 | 4921.9 | 4920.0 | 4876.4 | 4847.6 | 4752.1 | 4704.5 | 4654.5 | 4561.9 | 4488.0 |
| 60° | 6042.8 | 6114.7 | 6154.3 | 6171.6 | 6256.8 | 6256.8 | 6178.6 | 6111.2 | 6030.0 | 5888.8 | 5751.1 |
| 62.5° | 6723.4 | 6786.3 | 6844.8 | 6936.4 | 7044.9 | 7092.9 | 7096.9 | 7036.9 | 6934.4 | 6773.4 | 6578.8 |
| 65° | 6680.3 | 6726.9 | 6797.7 | 6905.7 | 6995.3 | 7081.5 | 7139.5 | 7121.1 | 7042.9 | 6881.9 | 6669.9 |
| 67.5° | 6192.4 | 6260.3 | 6351.9 | 6451.5 | 6534.7 | 6615.9 | 6709.5 | 6716.5 | 6695.7 | 6542.6 | 6350.9 |
| 70° | 5439.5 | 5526.7 | 5584.7 | 5710.0 | 5747.6 | 5829.9 | 5924.0 | 5969.0 | 5935.4 | 5817.5 | 5705.0 |
| 72.5° | 4419.2 | 4488.0 | 4498.0 | 4443.5 | 4462.3 | 4482.6 | 4505.4 | 4399.9 | 4359.3 | 4201.8 | 4129.4 |
| 75° | 2679.7 | 2589.0 | 2512.7 | 2436.9 | 2210.6 | 2130.3 | 2007.0 | 1763.8 | 1736.1 | 1569.2 | 1453.3 |
| 77.5° | 1274.4 | 1236.3 | 1167.5 | 1052.0 | 898.5 | 751.4 | 623.6 | 506.7 | 463.1 | 381.4 | 324.9 |
| 80° | 1066.9 | 1021.3 | 959.4 | 873.7 | 766.3 | 659.3 | 558.2 | 471.5 | 384.4 | 313.0 | 250.1 |
| 82.5° | 978.7 | 899.5 | 812.3 | 738.5 | 662.7 | 589.9 | 522.1 | 443.8 | 397.7 | 321.0 | 262.0 |
| 85° | 494.8 | 433.4 | 351.2 | 295.7 | 249.6 | 203.1 | 175.8 | 150.1 | 133.7 | 106.5 | 92.6 |
| 87.5° | 165.9 | 135.7 | 101.0 | 85.7 | 77.3 | 66.4 | 60.9 | 58.0 | 56.5 | 50.0 | 44.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P170155

CATALOG NUMBER: LDRV-SL2-F03-E

CANDELA DISTRIBUTION (continued):

| | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 91° | 92° | 93° | 94° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 |
| 2.5° | 794.5 | 794.5 | 794.5 | 794.5 | 794.0 | 794.0 | 794.0 | 794.0 | 794.0 | 794.0 | 794.5 |
| 5° | 814.8 | 814.8 | 815.3 | 816.8 | 813.8 | 814.8 | 815.8 | 814.3 | 815.8 | 814.3 | 816.3 |
| 7.5° | 847.5 | 849.0 | 848.0 | 850.0 | 849.0 | 851.9 | 850.0 | 848.5 | 849.5 | 849.5 | 850.0 |
| 10° | 893.5 | 895.5 | 894.0 | 895.0 | 895.0 | 897.0 | 894.5 | 895.0 | 895.5 | 894.5 | 895.0 |
| 12.5° | 944.6 | 945.6 | 945.1 | 948.0 | 946.5 | 948.0 | 946.5 | 948.5 | 949.5 | 950.5 | 950.5 |
| 15° | 1000.0 | 1001.0 | 1004.0 | 1003.5 | 1006.5 | 1005.5 | 1006.0 | 1003.5 | 1008.5 | 1005.5 | 1006.5 |
| 17.5° | 1051.1 | 1050.6 | 1054.5 | 1056.0 | 1056.5 | 1057.0 | 1058.5 | 1056.5 | 1057.0 | 1058.5 | 1057.5 |
| 20° | 1090.7 | 1094.2 | 1095.1 | 1099.1 | 1102.1 | 1103.1 | 1102.6 | 1104.1 | 1106.0 | 1104.1 | 1104.1 |
| 22.5° | 1132.8 | 1137.7 | 1139.2 | 1141.7 | 1144.7 | 1145.2 | 1148.1 | 1149.6 | 1150.6 | 1150.1 | 1150.6 |
| 25° | 1183.3 | 1186.8 | 1190.2 | 1195.2 | 1198.7 | 1199.2 | 1201.6 | 1203.6 | 1204.1 | 1203.6 | 1206.6 |
| 27.5° | 1245.2 | 1249.7 | 1254.1 | 1260.1 | 1264.0 | 1265.0 | 1270.5 | 1270.5 | 1273.5 | 1274.9 | 1275.9 |
| 30° | 1325.0 | 1326.5 | 1337.8 | 1343.8 | 1342.3 | 1349.2 | 1356.7 | 1356.2 | 1359.6 | 1360.6 | 1363.1 |
| 32.5° | 1440.9 | 1440.9 | 1450.8 | 1458.2 | 1466.1 | 1463.7 | 1475.0 | 1473.1 | 1478.5 | 1481.5 | 1480.0 |
| 35° | 1581.5 | 1586.5 | 1593.9 | 1598.4 | 1606.8 | 1611.3 | 1619.2 | 1623.6 | 1626.1 | 1625.6 | 1620.2 |
| 37.5° | 1726.7 | 1734.6 | 1737.6 | 1748.5 | 1756.9 | 1764.3 | 1765.3 | 1760.3 | 1762.3 | 1752.4 | 1749.5 |
| 40° | 1892.6 | 1904.0 | 1910.9 | 1927.3 | 1926.3 | 1935.7 | 1936.7 | 1922.3 | 1919.8 | 1907.0 | 1893.6 |
| 42.5° | 2124.4 | 2140.3 | 2145.7 | 2158.1 | 2148.2 | 2152.6 | 2127.9 | 2121.9 | 2102.1 | 2081.3 | 2051.1 |
| 45° | 2436.9 | 2429.0 | 2432.5 | 2429.0 | 2402.8 | 2383.5 | 2363.1 | 2333.9 | 2304.7 | 2264.6 | 2221.5 |
| 47.5° | 2711.8 | 2715.8 | 2690.1 | 2673.7 | 2631.1 | 2603.9 | 2566.7 | 2515.7 | 2480.0 | 2426.1 | 2369.1 |
| 50° | 2978.8 | 2934.7 | 2898.6 | 2860.9 | 2823.3 | 2773.3 | 2717.3 | 2672.2 | 2620.2 | 2552.9 | 2483.0 |
| 52.5° | 3195.8 | 3138.8 | 3095.2 | 3041.7 | 2990.7 | 2935.2 | 2876.8 | 2811.4 | 2743.1 | 2675.7 | 2589.5 |
| 55° | 3580.1 | 3497.4 | 3441.4 | 3347.8 | 3289.9 | 3212.1 | 3166.5 | 3081.8 | 2986.7 | 2897.6 | 2806.0 |
| 57.5° | 4404.8 | 4281.0 | 4217.1 | 4164.1 | 4074.0 | 3946.2 | 3864.9 | 3725.8 | 3590.0 | 3494.9 | 3342.4 |
| 60° | 5647.1 | 5521.3 | 5415.3 | 5290.0 | 5151.8 | 4978.4 | 4901.1 | 4737.2 | 4543.0 | 4386.0 | 4184.4 |
| 62.5° | 6421.3 | 6247.4 | 6075.5 | 5899.7 | 5761.0 | 5625.3 | 5465.3 | 5299.9 | 5107.7 | 4894.2 | 4673.8 |
| 65° | 6452.5 | 6243.9 | 6038.4 | 5859.1 | 5696.6 | 5520.3 | 5370.2 | 5202.3 | 5000.2 | 4780.3 | 4551.4 |
| 67.5° | 6128.5 | 5895.2 | 5674.8 | 5478.2 | 5292.4 | 5129.0 | 4972.0 | 4814.0 | 4597.5 | 4413.3 | 4179.0 |
| 70° | 5483.1 | 5270.2 | 5070.5 | 4846.7 | 4704.5 | 4520.7 | 4367.7 | 4201.3 | 4046.2 | 3873.9 | 3654.4 |
| 72.5° | 4027.4 | 3866.9 | 3639.1 | 3544.0 | 3467.7 | 3273.0 | 3159.1 | 3145.2 | 3046.2 | 2839.6 | 2675.7 |
| 75° | 1497.8 | 1274.9 | 1207.6 | 1247.7 | 1180.8 | 1203.1 | 1194.7 | 1147.1 | 1149.1 | 1114.0 | 1072.4 |
| 77.5° | 293.2 | 272.4 | 256.1 | 260.5 | 242.2 | 234.3 | 251.1 | 246.2 | 237.3 | 239.7 | 235.8 |
| 80° | 199.6 | 168.9 | 153.1 | 147.1 | 139.7 | 136.2 | 135.2 | 133.7 | 130.8 | 129.3 | 124.8 |
| 82.5° | 196.6 | 146.1 | 115.4 | 99.1 | 93.1 | 90.1 | 87.7 | 87.2 | 86.2 | 85.7 | 87.2 |
| 85° | 78.3 | 63.4 | 58.0 | 53.0 | 51.5 | 50.0 | 50.0 | 49.5 | 49.0 | 50.0 | 52.0 |
| 87.5° | 38.1 | 32.2 | 29.2 | 26.7 | 25.8 | 25.3 | 25.3 | 25.8 | 26.3 | 28.2 | 32.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P170155
 CATALOG NUMBER: LDRV-SL2-F03-E

CANDELA DISTRIBUTION (continued):

| | 95° | 96° | 97° | 98° | 99° | 100° | 101° | 102° | 103° | 104° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 |
| 2.5° | 793.5 | 794.0 | 793.0 | 793.5 | 793.0 | 792.0 | 791.5 | 793.0 | 792.5 | 792.0 | 792.0 |
| 5° | 813.8 | 815.8 | 814.8 | 813.8 | 813.8 | 813.3 | 813.3 | 813.3 | 812.8 | 813.3 | 811.8 |
| 7.5° | 849.0 | 848.5 | 848.5 | 847.5 | 846.5 | 847.5 | 847.0 | 845.5 | 846.0 | 845.0 | 843.5 |
| 10° | 894.0 | 892.6 | 895.0 | 895.0 | 893.1 | 892.6 | 891.6 | 890.1 | 890.1 | 888.6 | 888.6 |
| 12.5° | 947.5 | 946.1 | 949.5 | 947.0 | 944.1 | 943.6 | 940.6 | 939.6 | 941.1 | 940.6 | 939.6 |
| 15° | 1002.0 | 1002.5 | 1004.0 | 1003.5 | 1000.0 | 1000.0 | 996.1 | 996.6 | 993.6 | 992.6 | 990.1 |
| 17.5° | 1055.0 | 1055.5 | 1054.0 | 1054.0 | 1051.6 | 1050.1 | 1045.6 | 1046.1 | 1044.1 | 1040.2 | 1037.2 |
| 20° | 1102.6 | 1102.1 | 1098.6 | 1101.6 | 1096.6 | 1095.6 | 1091.7 | 1087.7 | 1088.7 | 1084.7 | 1078.8 |
| 22.5° | 1149.1 | 1148.1 | 1147.1 | 1145.7 | 1143.2 | 1142.2 | 1137.7 | 1137.2 | 1132.3 | 1126.3 | 1121.4 |
| 25° | 1203.1 | 1202.6 | 1201.1 | 1201.6 | 1196.7 | 1197.2 | 1189.3 | 1187.3 | 1184.3 | 1177.9 | 1173.9 |
| 27.5° | 1273.0 | 1273.0 | 1269.0 | 1267.5 | 1266.0 | 1264.0 | 1257.1 | 1252.2 | 1244.7 | 1237.3 | 1229.4 |
| 30° | 1358.6 | 1357.7 | 1356.7 | 1352.7 | 1347.3 | 1344.3 | 1331.9 | 1324.0 | 1314.1 | 1300.2 | 1288.3 |
| 32.5° | 1481.0 | 1472.6 | 1465.6 | 1456.7 | 1447.8 | 1438.4 | 1419.1 | 1405.7 | 1389.9 | 1367.6 | 1348.7 |
| 35° | 1617.2 | 1602.8 | 1595.4 | 1577.1 | 1560.2 | 1541.4 | 1518.1 | 1490.9 | 1469.1 | 1439.9 | 1409.2 |
| 37.5° | 1729.6 | 1718.7 | 1698.9 | 1678.1 | 1654.4 | 1618.7 | 1592.4 | 1563.2 | 1525.1 | 1492.9 | 1455.7 |
| 40° | 1868.3 | 1843.6 | 1815.3 | 1780.7 | 1748.0 | 1707.8 | 1671.7 | 1629.6 | 1583.0 | 1536.5 | 1487.9 |
| 42.5° | 2014.0 | 1975.8 | 1929.3 | 1889.1 | 1839.6 | 1787.1 | 1740.0 | 1683.1 | 1623.6 | 1561.2 | 1496.3 |
| 45° | 2162.5 | 2115.5 | 2053.6 | 1996.6 | 1927.8 | 1861.9 | 1794.5 | 1716.8 | 1635.5 | 1552.3 | 1470.6 |
| 47.5° | 2298.8 | 2229.9 | 2159.6 | 2082.8 | 2003.5 | 1918.9 | 1823.3 | 1721.2 | 1614.2 | 1504.8 | 1402.7 |
| 50° | 2405.7 | 2319.6 | 2230.9 | 2142.2 | 2045.2 | 1935.2 | 1814.8 | 1681.6 | 1549.8 | 1418.6 | 1301.2 |
| 52.5° | 2500.3 | 2403.8 | 2294.8 | 2184.8 | 2065.0 | 1929.7 | 1779.2 | 1622.2 | 1461.7 | 1316.5 | 1184.8 |
| 55° | 2683.6 | 2562.3 | 2418.6 | 2277.0 | 2125.4 | 1955.0 | 1767.3 | 1575.1 | 1390.3 | 1232.3 | 1092.2 |
| 57.5° | 3181.4 | 3017.5 | 2795.1 | 2598.4 | 2406.2 | 2158.1 | 1893.6 | 1656.8 | 1421.6 | 1234.8 | 1078.8 |
| 60° | 3965.5 | 3698.5 | 3443.9 | 3144.3 | 2833.2 | 2492.9 | 2138.3 | 1819.3 | 1532.5 | 1298.2 | 1110.5 |
| 62.5° | 4420.2 | 4138.4 | 3811.0 | 3447.9 | 3044.7 | 2630.1 | 2223.0 | 1850.5 | 1536.0 | 1280.9 | 1072.9 |
| 65° | 4297.4 | 4014.0 | 3653.9 | 3282.5 | 2853.5 | 2429.5 | 2025.3 | 1667.7 | 1362.6 | 1126.8 | 927.7 |
| 67.5° | 3932.8 | 3636.6 | 3298.3 | 2886.2 | 2476.1 | 2083.3 | 1714.8 | 1378.0 | 1108.0 | 888.1 | 712.3 |
| 70° | 3402.3 | 3138.8 | 2812.9 | 2433.0 | 2035.2 | 1682.1 | 1371.5 | 1067.9 | 839.6 | 638.0 | 499.3 |
| 72.5° | 2525.1 | 2291.8 | 2088.2 | 1770.8 | 1479.5 | 1202.6 | 949.5 | 743.0 | 546.3 | 413.1 | 318.0 |
| 75° | 1060.0 | 981.2 | 948.0 | 831.6 | 723.2 | 592.9 | 446.3 | 355.6 | 288.3 | 245.2 | 194.7 |
| 77.5° | 257.1 | 257.1 | 241.7 | 226.4 | 208.0 | 188.2 | 166.4 | 148.6 | 139.7 | 131.8 | 125.3 |
| 80° | 124.8 | 123.8 | 119.9 | 119.4 | 115.9 | 111.4 | 109.0 | 105.5 | 104.0 | 102.0 | 101.0 |
| 82.5° | 87.7 | 87.2 | 85.7 | 87.7 | 87.2 | 89.2 | 90.1 | 90.6 | 90.6 | 91.1 | 91.6 |
| 85° | 55.5 | 57.5 | 61.4 | 66.4 | 70.8 | 76.3 | 81.2 | 85.2 | 88.2 | 90.6 | 92.6 |
| 87.5° | 35.2 | 40.1 | 43.1 | 50.5 | 58.0 | 66.4 | 75.8 | 79.7 | 83.2 | 83.7 | 80.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P170155

CATALOG NUMBER: LDRV-SL2-F03-E

CANDELA DISTRIBUTION (continued):

| | 106° | 107° | 108° | 109° | 110° | 115° | 125° | 135° | 145° | 155° | 165° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 | 788.0 |
| 2.5° | 792.0 | 791.5 | 792.5 | 791.5 | 791.5 | 791.0 | 789.5 | 788.0 | 786.6 | 786.1 | 784.6 |
| 5° | 811.3 | 811.3 | 812.3 | 810.3 | 810.8 | 808.8 | 804.4 | 799.4 | 795.0 | 791.0 | 786.6 |
| 7.5° | 844.0 | 842.5 | 843.0 | 842.5 | 841.5 | 837.6 | 827.7 | 815.3 | 803.4 | 791.0 | 781.1 |
| 10° | 887.6 | 884.6 | 884.6 | 883.6 | 882.2 | 876.7 | 855.9 | 831.1 | 806.4 | 784.1 | 767.7 |
| 12.5° | 936.1 | 936.6 | 932.7 | 930.2 | 927.7 | 916.3 | 885.1 | 845.5 | 806.4 | 770.7 | 744.5 |
| 15° | 986.7 | 986.2 | 981.7 | 980.2 | 974.8 | 957.9 | 910.9 | 852.9 | 797.0 | 744.5 | 705.3 |
| 17.5° | 1032.2 | 1030.3 | 1025.8 | 1022.8 | 1016.9 | 994.6 | 928.2 | 849.5 | 772.2 | 703.3 | 654.3 |
| 20° | 1073.8 | 1071.4 | 1067.4 | 1062.0 | 1056.0 | 1023.8 | 934.7 | 831.6 | 733.1 | 654.3 | 604.8 |
| 22.5° | 1116.9 | 1111.5 | 1107.0 | 1099.6 | 1093.2 | 1050.1 | 930.2 | 799.9 | 688.5 | 599.8 | 546.8 |
| 25° | 1165.0 | 1158.5 | 1149.1 | 1140.2 | 1130.3 | 1071.4 | 917.8 | 760.3 | 635.0 | 540.9 | 487.4 |
| 27.5° | 1217.0 | 1207.6 | 1195.2 | 1183.8 | 1168.0 | 1087.2 | 896.5 | 716.2 | 576.5 | 482.4 | 427.0 |
| 30° | 1272.0 | 1254.6 | 1239.3 | 1221.9 | 1201.6 | 1094.6 | 865.8 | 661.7 | 512.2 | 423.0 | 367.5 |
| 32.5° | 1325.5 | 1302.2 | 1279.4 | 1254.1 | 1226.4 | 1091.7 | 822.2 | 597.3 | 447.8 | 367.5 | 321.0 |
| 35° | 1379.9 | 1346.3 | 1314.6 | 1280.4 | 1246.7 | 1076.8 | 762.3 | 526.0 | 386.8 | 321.5 | 287.8 |
| 37.5° | 1417.1 | 1375.0 | 1332.9 | 1291.8 | 1251.2 | 1044.6 | 682.5 | 446.3 | 331.9 | 288.3 | 264.0 |
| 40° | 1435.9 | 1384.4 | 1332.9 | 1281.9 | 1231.8 | 991.1 | 589.4 | 373.5 | 292.7 | 263.5 | 246.2 |
| 42.5° | 1430.5 | 1366.6 | 1302.7 | 1242.2 | 1180.8 | 905.9 | 488.4 | 313.5 | 265.5 | 244.2 | 228.8 |
| 45° | 1385.4 | 1309.1 | 1236.3 | 1172.4 | 1095.6 | 796.5 | 401.2 | 276.4 | 244.7 | 228.3 | 214.0 |
| 47.5° | 1300.7 | 1215.5 | 1126.3 | 1054.0 | 982.2 | 669.7 | 333.8 | 253.1 | 226.4 | 213.0 | 198.6 |
| 50° | 1192.7 | 1094.2 | 1005.0 | 926.7 | 856.4 | 551.3 | 287.8 | 233.3 | 211.5 | 200.1 | 184.8 |
| 52.5° | 1073.8 | 967.8 | 886.6 | 804.4 | 735.5 | 460.1 | 255.6 | 211.5 | 197.1 | 185.2 | 172.9 |
| 55° | 975.3 | 877.2 | 794.5 | 711.8 | 642.4 | 402.7 | 228.8 | 194.7 | 183.8 | 171.4 | 161.5 |
| 57.5° | 949.0 | 837.1 | 746.9 | 668.7 | 597.3 | 367.5 | 209.5 | 179.3 | 171.9 | 162.5 | 151.6 |
| 60° | 959.9 | 836.6 | 735.5 | 649.9 | 575.1 | 339.3 | 195.2 | 168.9 | 163.0 | 154.5 | 143.1 |
| 62.5° | 920.8 | 790.5 | 688.5 | 597.3 | 526.5 | 303.6 | 184.8 | 163.9 | 160.0 | 148.6 | 135.7 |
| 65° | 784.6 | 665.2 | 567.1 | 488.4 | 427.5 | 255.6 | 176.3 | 168.4 | 164.4 | 144.6 | 130.8 |
| 67.5° | 597.3 | 497.8 | 419.0 | 360.1 | 316.0 | 211.5 | 174.4 | 183.3 | 175.3 | 146.6 | 129.3 |
| 70° | 413.1 | 337.8 | 287.3 | 251.6 | 223.9 | 178.3 | 180.8 | 199.6 | 188.2 | 153.1 | 137.7 |
| 72.5° | 262.0 | 218.9 | 194.2 | 180.8 | 167.4 | 150.6 | 179.3 | 197.6 | 182.3 | 154.0 | 137.7 |
| 75° | 167.9 | 150.1 | 141.7 | 136.7 | 132.7 | 131.3 | 158.0 | 162.5 | 146.6 | 133.7 | 128.3 |
| 77.5° | 118.9 | 115.9 | 114.4 | 113.9 | 114.4 | 117.9 | 130.8 | 122.3 | 106.5 | 107.0 | 110.0 |
| 80° | 100.5 | 100.5 | 99.6 | 100.1 | 101.0 | 102.5 | 104.5 | 90.1 | 81.7 | 88.2 | 98.1 |
| 82.5° | 92.1 | 93.6 | 94.6 | 95.6 | 97.1 | 95.1 | 88.7 | 68.4 | 65.9 | 85.7 | 96.1 |
| 85° | 93.6 | 93.6 | 94.1 | 95.1 | 95.6 | 85.7 | 73.8 | 51.5 | 50.5 | 96.1 | 90.6 |
| 87.5° | 80.2 | 79.3 | 75.8 | 73.3 | 69.8 | 58.9 | 49.0 | 28.7 | 29.7 | 59.4 | 63.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P170155
 CATALOG NUMBER: LDRV-SL2-F03-E

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|-------|-------|-------|
| 0° | 788.0 | 788.0 |
| 2.5° | 784.1 | 784.1 |
| 5° | 784.1 | 784.1 |
| 7.5° | 777.6 | 775.7 |
| 10° | 758.8 | 756.3 |
| 12.5° | 730.1 | 727.6 |
| 15° | 686.0 | 683.0 |
| 17.5° | 631.0 | 626.1 |
| 20° | 573.6 | 566.6 |
| 22.5° | 516.1 | 510.7 |
| 25° | 457.2 | 452.2 |
| 27.5° | 399.2 | 394.3 |
| 30° | 345.7 | 343.7 |
| 32.5° | 306.1 | 304.1 |
| 35° | 276.9 | 275.9 |
| 37.5° | 257.1 | 256.1 |
| 40° | 239.7 | 238.7 |
| 42.5° | 223.9 | 222.4 |
| 45° | 208.0 | 208.5 |
| 47.5° | 192.2 | 191.7 |
| 50° | 178.3 | 178.3 |
| 52.5° | 166.9 | 166.4 |
| 55° | 156.5 | 156.0 |
| 57.5° | 146.1 | 145.6 |
| 60° | 137.2 | 135.7 |
| 62.5° | 128.8 | 127.8 |
| 65° | 123.3 | 122.8 |
| 67.5° | 119.4 | 117.9 |
| 70° | 118.4 | 114.4 |
| 72.5° | 115.4 | 110.5 |
| 75° | 108.5 | 106.0 |
| 77.5° | 95.6 | 92.6 |
| 80° | 73.8 | 68.4 |
| 82.5° | 61.9 | 53.5 |
| 85° | 45.6 | 42.1 |
| 87.5° | 33.2 | 26.3 |
| 90° | 0.0 | 0.0 |

(END OF REPORT)