

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: METALUX

Report Number: P201341

Luminaire Tested: **4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P201341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28234)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U
Description: 4 ft. Low Bay Linear, 6000 lm, Frst Asym lens, 5K
Light Source: (308) 5000K CCT, 80 CRI LEDS
2UT217098A8504C, 2UT217056A8504B
Ballast/Driver: OSRAM
OT50W0620CC, OT30W0400CC

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6787.1 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 2.02 / 1.17 / 1.78
Luminous Opening: Rectangular w/ Sides (W: 4' x L: 0.17' x H: 0.21')
CIE Type: Semi-Direct

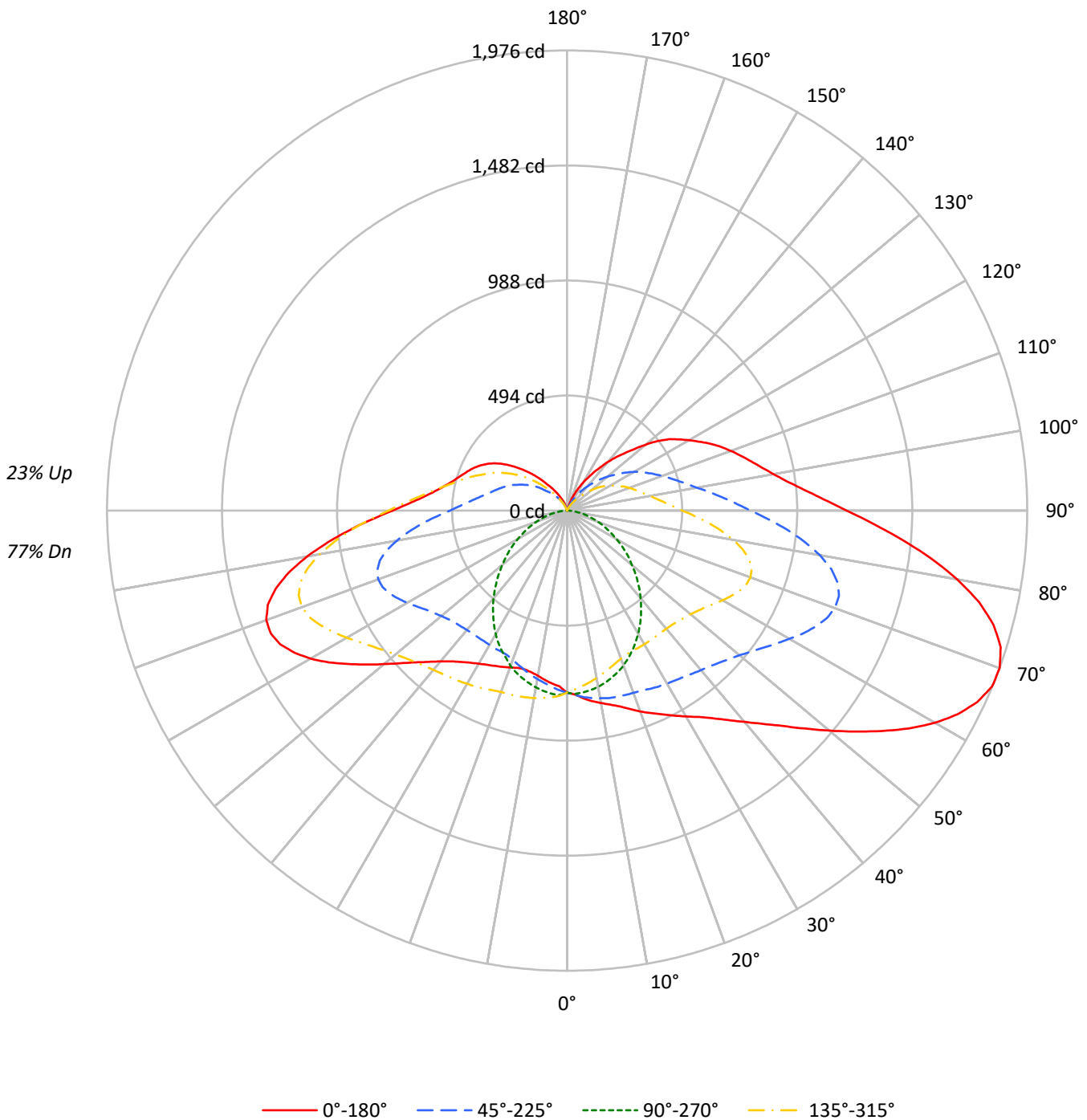
Input Watts (W): 46.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	77
1	98	90	84	78	92	86	80	75	77	72	68	69	65	62	62	59	56	52
2	86	75	66	59	81	71	63	56	64	57	51	57	51	46	50	46	42	38
3	77	64	54	46	72	61	51	44	54	46	40	48	42	36	42	37	33	29
4	70	55	45	37	65	52	43	35	47	39	32	41	35	29	37	31	27	23
5	63	49	38	31	59	46	37	29	41	33	27	37	30	24	32	27	22	19
6	58	43	33	26	54	41	32	25	37	29	23	33	26	21	29	23	19	16
7	54	39	29	22	50	37	28	21	33	25	20	29	23	18	26	20	16	14
8	50	35	26	19	47	33	25	19	30	22	17	27	20	16	24	18	14	12
9	46	32	23	17	43	30	22	16	27	20	15	25	18	14	22	17	12	10
10	43	29	21	15	41	28	20	15	25	18	13	23	17	12	20	15	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12596	12596	12596	12596
5°	11813	12621	10869	12704
10°	11257	12455	9662	12506
15°	10886	12210	8826	12261
20°	10835	11910	8461	11945
25°	10856	11507	8277	11524
30°	11044	11034	8213	11071
35°	11434	10485	8334	10505
40°	12179	9894	8694	9916
45°	13265	9256	9351	9256
50°	14830	8562	10349	8588
55°	16681	7960	11612	7960
60°	18608	7149	12980	7211
65°	20190	6507	14117	6542
70°	21055	5800	14647	5800
75°	20899	4943	14281	4943
80°	19575	3884	13038	3956
85°	17529	2540	11320	2655



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.1
10°-20°	216.4	3.2
20°-30°	349.1	5.1
30°-40°	473.8	7.0
40°-50°	609.3	9.0
50°-60°	781.3	11.5
60°-70°	955.4	14.1
70°-80°	973.8	14.3
80°-90°	759.8	11.2
90°-100°	529.3	7.8
100°-110°	394.8	5.8
110°-120°	296.3	4.4
120°-130°	201.0	3.0
130°-140°	110.5	1.6
140°-150°	47.0	0.7
150°-160°	13.8	0.2
160°-170°	1.3	0.0
170°-180°	0.0	0.0
0°-30°	639.7	9.4
0°-40°	1113.5	16.4
0°-60°	2504.1	36.9
0°-90°	5193.2	76.5
90°-120°	1220.4	18.0
90°-150°	1578.8	23.3
90°-180°	1594.0	23.5
0°-180°	6787.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	782	782	782	782	782	
5°	810	784	745	789	810	78
15°	870	742	706	745	870	249
25°	965	663	736	664	965	449
35°	1088	552	793	554	1088	689
45°	1307	427	921	427	1307	1022
55°	1650	304	1149	304	1650	1482
65°	1944	190	1359	191	1944	1915
75°	1896	95	1296	95	1896	1982
85°	1445	22	933	23	1445	1233
90°	1200	0	748	0	1200	660
95°	1020	0	626	0	1020	810
105°	817	0	502	0	817	868
115°	678	0	438	1	678	673
125°	534	0	351	1	534	476
135°	348	0	230	1	348	274
145°	200	0	123	1	200	129
155°	89	0	56	1	89	43
165°	10	0	9	1	10	5
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	791.1	791.0	790.9	790.8	790.7	790.5	790.4	790.3	790.2	790.1	790.4
5°	809.9	809.2	808.5	807.8	807.1	806.4	805.7	805.0	804.3	803.6	803.6
7.5°	825.5	824.5	823.4	822.4	821.3	820.3	819.2	818.2	817.1	816.1	815.6
10°	839.1	837.7	836.3	834.9	833.5	832.1	830.7	829.3	827.9	826.5	825.6
12.5°	853.6	852.0	850.4	848.8	847.2	845.5	843.9	842.3	840.7	839.1	837.5
15°	870.3	868.4	866.6	864.7	862.9	861.0	859.2	857.3	855.5	853.6	850.7
17.5°	893.3	890.7	888.2	885.6	883.1	880.5	878.0	875.4	872.9	870.3	865.9
20°	918.3	914.9	911.6	908.2	904.8	901.5	898.1	894.7	891.4	888.0	881.9
22.5°	941.2	937.1	933.1	929.0	925.0	920.9	916.9	912.8	908.8	904.7	897.1
25°	965.2	960.8	956.4	952.0	947.6	943.2	938.8	934.4	930.0	925.6	916.6
27.5°	992.3	987.2	982.1	977.0	971.9	966.8	961.7	956.6	951.5	946.4	935.9
30°	1020.4	1014.7	1009.0	1003.4	997.7	992.0	986.3	980.7	975.0	969.3	956.9
32.5°	1050.6	1044.0	1037.4	1030.8	1024.2	1017.6	1011.0	1004.4	997.8	991.2	977.1
35°	1088.2	1080.4	1072.7	1064.9	1057.1	1049.4	1041.6	1033.8	1026.1	1018.3	1002.1
37.5°	1133.0	1124.0	1114.9	1105.9	1096.9	1087.8	1078.8	1069.8	1060.7	1051.7	1032.9
40°	1184.1	1173.7	1163.3	1152.8	1142.4	1132.0	1121.6	1111.1	1100.7	1090.3	1068.5
42.5°	1241.4	1229.5	1217.5	1205.6	1193.7	1181.7	1169.8	1157.9	1145.9	1134.0	1108.8
45°	1307.1	1293.7	1280.2	1266.8	1253.3	1239.9	1226.4	1213.0	1199.5	1186.1	1156.9
47.5°	1385.2	1369.8	1354.4	1339.0	1323.6	1308.2	1292.8	1277.4	1262.0	1246.6	1212.9
50°	1469.7	1452.3	1434.9	1417.6	1400.2	1382.8	1365.4	1348.1	1330.7	1313.3	1274.7
52.5°	1558.2	1539.3	1520.5	1501.6	1482.7	1463.9	1445.0	1426.1	1407.3	1388.4	1344.6
55°	1650.0	1629.7	1609.5	1589.2	1568.9	1548.7	1528.4	1508.1	1487.9	1467.6	1418.6
57.5°	1740.7	1719.4	1698.1	1676.8	1655.5	1634.1	1612.8	1591.5	1570.2	1548.9	1494.9
60°	1823.0	1801.5	1779.9	1758.4	1736.8	1715.3	1693.7	1672.2	1650.6	1629.1	1570.5
62.5°	1892.8	1871.5	1850.2	1828.9	1807.6	1786.2	1764.9	1743.6	1722.3	1701.0	1638.9
65°	1943.9	1923.4	1902.9	1882.4	1861.9	1841.4	1820.9	1800.4	1779.9	1759.4	1694.8
67.5°	1975.2	1955.4	1935.6	1915.8	1896.0	1876.1	1856.3	1836.5	1816.7	1796.9	1731.4
70°	1976.2	1957.9	1939.6	1921.3	1903.0	1884.7	1866.4	1848.1	1829.8	1811.5	1746.2
72.5°	1952.2	1934.7	1917.2	1899.8	1882.3	1864.8	1847.3	1829.9	1812.4	1794.9	1731.4
75°	1896.0	1879.4	1862.9	1846.3	1829.7	1813.2	1796.6	1780.0	1763.5	1746.9	1686.4
77.5°	1810.5	1794.7	1779.0	1763.2	1747.5	1731.7	1716.0	1700.2	1684.5	1668.7	1612.4
80°	1701.0	1686.2	1671.4	1656.5	1641.7	1626.9	1612.1	1597.2	1582.4	1567.6	1515.8
82.5°	1577.0	1563.0	1549.0	1535.0	1521.0	1506.9	1492.9	1478.9	1464.9	1450.9	1404.0
85°	1444.6	1431.5	1418.4	1405.4	1392.3	1379.2	1366.1	1353.1	1340.0	1326.9	1285.0
87.5°	1316.4	1303.8	1291.2	1278.5	1265.9	1253.3	1240.7	1228.0	1215.4	1202.8	1165.3
90°	1199.7	1187.9	1176.1	1164.3	1152.5	1140.6	1128.8	1117.0	1105.2	1093.4	1059.3
92.5°	1101.7	1090.7	1079.7	1068.7	1057.7	1046.7	1035.7	1024.7	1013.7	1002.7	971.5
95°	1020.4	1010.0	999.6	989.1	978.7	968.3	957.9	947.4	937.0	926.6	897.5
97.5°	952.7	942.6	932.5	922.5	912.4	902.3	892.2	882.2	872.1	862.0	834.4
100°	899.5	889.7	879.8	870.0	860.1	850.3	840.4	830.6	820.7	810.9	783.6
102.5°	854.7	844.9	835.0	825.2	815.3	805.5	795.6	785.8	775.9	766.1	739.5
105°	817.2	807.4	797.5	787.7	777.8	768.0	758.1	748.3	738.4	728.6	702.4
107.5°	782.8	773.1	763.3	753.6	743.9	734.1	724.4	714.7	704.9	695.2	669.4
110°	748.4	738.8	729.2	719.6	710.0	700.3	690.7	681.1	671.5	661.9	636.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	715.0	705.3	695.6	685.8	676.1	666.4	656.7	646.9	637.2	627.5	603.1
115°	678.5	668.9	659.3	649.7	640.1	630.4	620.8	611.2	601.6	592.0	568.6
117.5°	640.0	631.0	621.9	612.9	603.9	594.8	585.8	576.8	567.7	558.7	536.6
120°	603.5	594.9	586.4	577.8	569.2	560.7	552.1	543.5	535.0	526.4	504.9
122.5°	569.1	560.8	552.4	544.1	535.8	527.4	519.1	510.8	502.4	494.1	473.0
125°	533.7	525.5	517.3	509.0	500.8	492.6	484.4	476.1	467.9	459.7	439.3
127.5°	490.9	483.0	475.1	467.3	459.4	451.5	443.6	435.8	427.9	420.0	401.1
130°	439.9	432.9	426.0	419.0	412.1	405.1	398.2	391.2	384.3	377.3	360.6
132.5°	390.9	385.0	379.1	373.2	367.3	361.3	355.4	349.5	343.6	337.7	322.8
135°	348.1	343.1	338.1	333.2	328.2	323.2	318.2	313.3	308.3	303.3	289.6
137.5°	310.6	306.0	301.3	296.7	292.1	287.4	282.8	278.2	273.5	268.9	256.5
140°	273.1	268.6	264.1	259.5	255.0	250.5	246.0	241.4	236.9	232.4	221.6
142.5°	233.5	229.9	226.3	222.7	219.1	215.6	212.0	208.4	204.8	201.2	191.7
145°	200.1	197.0	193.9	190.7	187.6	184.5	181.4	178.2	175.1	172.0	163.7
147.5°	168.9	166.1	163.3	160.5	157.7	155.0	152.2	149.4	146.6	143.8	136.6
150°	139.7	137.4	135.1	132.7	130.4	128.1	125.8	123.4	121.1	118.8	112.5
152.5°	113.6	111.5	109.4	107.3	105.2	103.2	101.1	99.0	96.9	94.8	89.5
155°	88.6	86.9	85.1	83.4	81.7	79.9	78.2	76.5	74.7	73.0	68.4
157.5°	64.6	63.2	61.8	60.4	59.0	57.7	56.3	54.9	53.5	52.1	48.4
160°	43.8	42.5	41.2	40.0	38.7	37.4	36.1	34.9	33.6	32.3	29.9
162.5°	24.0	23.3	22.6	21.9	21.2	20.5	19.8	19.1	18.4	17.7	16.2
165°	10.4	10.1	9.7	9.4	9.0	8.7	8.3	8.0	7.6	7.3	6.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	790.8	791.1	791.5	791.8	792.2	792.5	792.9	793.2	791.9	790.6	789.4
5°	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	801.5	799.4	797.4
7.5°	815.2	814.7	814.3	813.8	813.4	812.9	812.5	812.0	809.1	806.2	803.3
10°	824.7	823.7	822.8	821.9	821.0	820.0	819.1	818.2	814.4	810.6	806.7
12.5°	835.9	834.2	832.6	831.0	829.4	827.7	826.1	824.5	819.5	814.5	809.5
15°	847.8	844.9	842.0	839.2	836.3	833.4	830.5	827.6	821.7	815.8	809.9
17.5°	861.5	857.1	852.7	848.3	843.9	839.5	835.1	830.7	823.6	816.6	809.5
20°	875.7	869.6	863.5	857.3	851.2	845.1	838.9	832.8	824.3	815.9	807.4
22.5°	889.4	881.8	874.1	866.5	858.8	851.2	843.5	835.9	825.8	815.7	805.7
25°	907.5	898.5	889.5	880.4	871.4	862.4	853.3	844.3	831.8	819.3	806.8
27.5°	925.3	914.8	904.3	893.7	883.2	872.7	862.1	851.6	836.7	821.7	806.8
30°	944.5	932.1	919.7	907.4	895.0	882.6	870.2	857.8	840.3	822.8	805.3
32.5°	963.0	948.8	934.7	920.6	906.5	892.3	878.2	864.1	844.2	824.3	804.3
35°	985.9	969.7	953.5	937.2	921.0	904.8	888.6	872.4	849.8	827.2	804.7
37.5°	1014.2	995.4	976.6	957.9	939.1	920.3	901.6	882.8	857.6	832.3	807.1
40°	1046.7	1025.0	1003.2	981.4	959.6	937.9	916.1	894.3	866.4	838.5	810.6
42.5°	1083.5	1058.3	1033.0	1007.8	982.5	957.3	932.0	906.8	876.1	845.4	814.7
45°	1127.7	1098.6	1069.4	1040.2	1011.0	981.9	952.7	923.5	889.6	855.6	821.7
47.5°	1179.2	1145.5	1111.8	1078.1	1044.4	1010.7	977.0	943.3	905.8	868.3	830.7
50°	1236.2	1197.6	1159.0	1120.5	1081.9	1043.3	1004.8	966.2	924.9	883.5	842.2
52.5°	1300.8	1257.1	1213.3	1169.5	1125.7	1082.0	1038.2	994.4	948.6	902.9	857.1
55°	1369.6	1320.6	1271.6	1222.7	1173.7	1124.7	1075.7	1026.7	976.3	925.9	875.6
57.5°	1441.0	1387.0	1333.0	1279.1	1225.1	1171.1	1117.2	1063.2	1007.7	952.2	896.8
60°	1511.9	1453.3	1394.7	1336.1	1277.5	1218.9	1160.3	1101.7	1041.1	980.6	920.0
62.5°	1576.9	1514.8	1452.7	1390.7	1328.6	1266.5	1204.5	1142.4	1076.5	1010.6	944.7
65°	1630.2	1565.5	1500.9	1436.3	1371.7	1307.0	1242.4	1177.8	1107.0	1036.3	965.5
67.5°	1665.8	1600.3	1534.7	1469.2	1403.6	1338.1	1272.5	1207.0	1131.8	1056.7	981.5
70°	1680.9	1615.6	1550.3	1484.9	1419.6	1354.3	1289.0	1223.7	1145.4	1067.1	988.8
72.5°	1668.0	1604.5	1541.0	1477.6	1414.1	1350.6	1287.2	1223.7	1143.7	1063.6	983.6
75°	1626.0	1565.5	1505.1	1444.6	1384.2	1323.7	1263.3	1202.8	1123.1	1043.4	963.8
77.5°	1556.1	1499.9	1443.6	1387.3	1331.0	1274.8	1218.5	1162.2	1084.7	1007.2	929.8
80°	1464.1	1412.3	1360.5	1308.8	1257.0	1205.2	1153.5	1101.7	1028.2	954.6	881.1
82.5°	1357.1	1310.2	1263.3	1216.4	1169.5	1122.6	1075.7	1028.8	960.2	891.7	823.1
85°	1243.0	1201.1	1159.2	1117.2	1075.3	1033.4	991.4	949.5	886.5	823.5	760.5
87.5°	1127.8	1090.2	1052.7	1015.2	977.7	940.1	902.6	865.1	808.1	751.1	694.2
90°	1025.3	991.2	957.2	923.1	889.1	855.0	821.0	786.9	735.1	683.4	631.6
92.5°	940.4	909.2	878.1	846.9	815.8	784.6	753.5	722.3	675.2	628.0	580.9
95°	868.5	839.4	810.3	781.3	752.2	723.1	694.1	665.0	621.7	578.4	535.1
97.5°	806.9	779.3	751.7	724.2	696.6	669.0	641.5	613.9	573.6	533.3	493.0
100°	756.2	728.9	701.6	674.2	646.9	619.6	592.2	564.9	527.7	490.5	453.4
102.5°	712.8	686.2	659.6	632.9	606.3	579.7	553.0	526.4	491.2	456.0	420.8
105°	676.2	650.1	623.9	597.7	571.5	545.4	519.2	493.0	459.4	425.8	392.2
107.5°	643.6	617.7	591.9	566.1	540.3	514.4	488.6	462.8	430.6	398.4	366.2
110°	611.4	586.1	560.9	535.6	510.4	485.1	459.9	434.6	403.7	372.8	341.8



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	578.6	554.2	529.7	505.3	480.8	456.4	431.9	407.5	378.1	348.7	319.3
115°	545.2	521.8	498.4	475.1	451.7	428.3	404.9	381.5	353.4	325.2	297.1
117.5°	514.5	492.3	470.2	448.1	426.0	403.8	381.7	359.6	332.6	305.6	278.6
120°	483.3	461.8	440.2	418.7	397.1	375.6	354.0	332.5	307.3	282.0	256.8
122.5°	451.9	430.9	409.8	388.7	367.6	346.6	325.5	304.4	281.1	257.8	234.5
125°	418.9	398.5	378.1	357.8	337.4	317.0	296.6	276.2	254.8	233.4	211.9
127.5°	382.3	363.4	344.5	325.7	306.8	287.9	269.1	250.2	230.5	210.8	191.1
130°	343.9	327.3	310.6	293.9	277.2	260.6	243.9	227.2	209.0	190.8	172.7
132.5°	307.8	292.9	277.9	263.0	248.0	233.1	218.1	203.2	186.5	169.9	153.2
135°	276.0	262.3	248.6	235.0	221.3	207.6	194.0	180.3	165.2	150.2	135.1
137.5°	244.1	231.7	219.3	207.0	194.6	182.2	169.8	157.4	143.8	130.3	116.7
140°	210.9	200.1	189.3	178.6	167.8	157.0	146.3	135.5	123.3	111.2	99.0
142.5°	182.2	172.7	163.2	153.7	144.2	134.7	125.2	115.7	104.9	94.2	83.4
145°	155.3	147.0	138.6	130.3	121.9	113.6	105.2	96.9	87.5	78.1	68.8
147.5°	129.4	122.3	115.1	107.9	100.7	93.6	86.4	79.2	71.2	63.2	55.2
150°	106.3	100.0	93.8	87.5	81.3	75.0	68.8	62.5	56.0	49.5	43.1
152.5°	84.2	78.8	73.5	68.2	62.9	57.5	52.2	46.9	41.9	36.9	32.0
155°	63.7	59.1	54.5	49.8	45.2	40.6	35.9	31.3	27.9	24.6	21.2
157.5°	44.7	41.0	37.3	33.6	29.9	26.2	22.5	18.8	16.7	14.6	12.5
160°	27.4	25.0	22.6	20.1	17.7	15.3	12.8	10.4	9.2	8.1	6.9
162.5°	14.7	13.2	11.7	10.2	8.7	7.2	5.7	4.2	3.7	3.3	2.8
165°	5.9	5.2	4.5	3.8	3.1	2.4	1.7	1.0	0.9	0.8	0.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	788.1	786.8	785.5	784.3	783.0	781.7	782.4	783.1	783.8	784.5	785.2
5°	795.3	793.2	791.1	789.1	787.0	784.9	784.8	784.7	784.5	784.4	784.3
7.5°	800.4	797.5	794.6	791.7	788.8	785.9	785.0	784.1	783.1	782.2	781.3
10°	802.9	799.1	795.3	791.4	787.6	783.8	782.1	780.3	778.6	776.9	775.1
12.5°	804.5	799.6	794.6	789.6	784.6	779.6	777.1	774.5	772.0	769.4	766.9
15°	804.0	798.0	792.1	786.2	780.3	774.4	770.8	767.2	763.6	760.0	756.5
17.5°	802.4	795.4	788.3	781.2	774.2	767.1	762.6	758.1	753.6	749.1	744.5
20°	799.0	790.5	782.1	773.6	765.2	756.7	751.3	745.8	740.4	734.9	729.5
22.5°	795.6	785.5	775.4	765.4	755.3	745.2	738.6	732.0	725.4	718.8	712.2
25°	794.3	781.7	769.2	756.7	744.2	731.7	724.1	716.4	708.8	701.1	693.5
27.5°	791.8	776.9	761.9	747.0	732.0	717.1	708.2	699.3	690.3	681.4	672.5
30°	787.8	770.4	752.9	735.4	717.9	700.4	690.4	680.5	670.5	660.6	650.6
32.5°	784.4	764.5	744.6	724.6	704.7	684.8	673.3	661.9	650.4	638.9	627.5
35°	782.1	759.5	736.9	714.4	691.8	669.2	656.2	643.2	630.3	617.3	604.3
37.5°	781.8	756.6	731.3	706.1	680.8	655.6	640.7	625.7	610.8	595.9	580.9
40°	782.7	754.7	726.8	698.9	671.0	643.1	626.2	609.3	592.4	575.5	558.5
42.5°	784.0	753.4	722.7	692.0	661.3	630.6	611.6	592.6	573.6	554.6	535.7
45°	787.8	753.8	719.9	686.0	652.0	618.1	596.9	575.7	554.5	533.3	512.1
47.5°	793.2	755.7	718.2	680.6	643.1	605.6	582.3	559.0	535.8	512.5	489.2
50°	800.8	759.5	718.1	676.8	635.4	594.1	568.4	542.7	517.0	491.3	465.5
52.5°	811.4	765.6	719.9	674.1	628.4	582.6	555.2	527.7	500.3	472.8	445.4
55°	825.2	774.8	724.4	674.1	623.7	573.3	543.4	513.5	483.7	453.8	423.9
57.5°	841.3	785.8	730.3	674.9	619.4	563.9	531.8	499.7	467.7	435.6	403.5
60°	859.4	798.9	738.3	677.7	617.2	556.6	521.6	486.6	451.7	416.7	381.7
62.5°	878.8	812.9	747.0	681.1	615.2	549.3	512.4	475.4	438.5	401.5	364.6
65°	894.8	824.0	753.3	682.5	611.8	541.0	502.0	462.9	423.9	384.9	345.8
67.5°	906.3	831.2	756.0	680.8	605.7	530.5	489.9	449.2	408.6	367.9	327.3
70°	910.5	832.3	754.0	675.7	597.4	519.1	477.1	435.0	393.0	350.9	308.9
72.5°	903.6	823.5	743.5	663.5	583.4	503.4	460.4	417.5	374.5	331.5	288.6
75°	884.1	804.4	724.7	645.1	565.4	485.7	442.3	398.8	355.4	312.0	268.5
77.5°	852.3	774.8	697.3	619.9	542.4	464.9	421.5	378.0	334.6	291.2	247.7
80°	807.6	734.0	660.5	587.0	513.4	439.9	397.0	354.2	311.3	268.5	225.6
82.5°	754.5	686.0	617.4	548.8	480.3	411.7	370.0	328.3	286.6	244.9	203.3
85°	697.5	634.5	571.5	508.5	445.5	382.5	342.4	302.4	262.3	222.2	182.2
87.5°	637.2	580.2	523.2	466.3	409.3	352.3	314.1	275.9	237.6	199.4	161.2
90°	579.8	528.1	476.3	424.5	372.8	321.0	285.3	249.7	214.0	178.3	142.7
92.5°	533.8	486.6	439.5	392.4	345.2	298.1	265.0	231.9	198.7	165.6	132.5
95°	491.8	448.4	405.1	361.8	318.5	275.2	244.6	214.0	183.5	152.9	122.3
97.5°	452.7	412.4	372.1	331.8	291.5	251.2	223.3	195.4	167.5	139.6	111.6
100°	416.2	379.0	341.8	304.7	267.5	230.3	204.7	179.1	153.5	127.9	102.4
102.5°	385.6	350.3	315.1	279.9	244.7	209.5	186.2	162.9	139.7	116.4	93.1
105°	358.6	325.1	291.5	257.9	224.3	190.7	169.5	148.3	127.1	105.9	84.8
107.5°	334.0	301.8	269.6	237.4	205.2	173.0	153.8	134.6	115.3	96.1	76.9
110°	310.9	280.0	249.1	218.1	187.2	156.3	138.9	121.6	104.2	86.8	69.5



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	289.9	260.4	231.0	201.6	172.2	142.8	126.9	111.1	95.2	79.3	63.5
115°	268.9	240.8	212.6	184.5	156.3	128.2	114.0	99.7	85.5	71.2	57.0
117.5°	251.6	224.7	197.7	170.7	143.7	116.7	103.7	90.8	77.8	64.8	51.9
120°	231.5	206.3	181.0	155.8	130.5	105.3	93.6	81.9	70.2	58.5	46.8
122.5°	211.2	188.0	164.7	141.4	118.1	94.8	84.3	73.7	63.2	52.7	42.1
125°	190.5	169.1	147.7	126.2	104.8	83.4	74.1	64.9	55.6	46.3	37.1
127.5°	171.4	151.8	132.1	112.4	92.7	73.0	64.9	56.8	48.7	40.6	32.4
130°	154.5	136.3	118.1	100.0	81.8	63.6	56.5	49.5	42.4	35.3	28.3
132.5°	136.5	119.9	103.2	86.5	69.9	53.2	47.3	41.4	35.5	29.6	23.6
135°	120.1	105.0	90.0	74.9	59.9	44.8	39.8	34.8	29.9	24.9	19.9
137.5°	103.2	89.6	76.1	62.5	49.0	35.4	31.5	27.5	23.6	19.7	15.7
140°	86.9	74.7	62.6	50.4	38.3	26.1	23.2	20.3	17.4	14.5	11.6
142.5°	72.6	61.9	51.1	40.3	29.6	18.8	16.7	14.6	12.5	10.4	8.4
145°	59.4	50.0	40.6	31.3	21.9	12.5	11.1	9.7	8.3	6.9	5.6
147.5°	47.2	39.3	31.3	23.3	15.3	7.3	6.5	5.7	4.9	4.1	3.2
150°	36.6	30.1	23.6	17.2	10.7	4.2	3.7	3.3	2.8	2.3	1.9
152.5°	27.0	22.0	17.0	12.1	7.1	2.1	1.9	1.6	1.4	1.2	0.9
155°	17.8	14.5	11.1	7.7	4.4	1.0	0.9	0.8	0.7	0.6	0.4
157.5°	10.4	8.4	6.3	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	5.8	4.6	3.5	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.3	1.9	1.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	785.9	786.6	787.3	788.0	786.3	784.5	782.8	781.0	779.3	777.5	775.8
5°	784.2	784.0	783.9	783.8	781.6	779.4	777.2	775.0	772.8	770.6	768.4
7.5°	780.4	779.4	778.5	777.6	774.8	772.0	769.2	766.4	763.7	760.9	758.1
10°	773.4	771.7	769.9	768.2	765.1	761.9	758.8	755.7	752.5	749.4	746.3
12.5°	764.3	761.8	759.2	756.7	753.1	749.5	745.9	742.3	738.8	735.2	731.6
15°	752.9	749.3	745.7	742.1	738.4	734.7	731.0	727.3	723.6	719.9	716.2
17.5°	740.0	735.5	731.0	726.5	722.7	718.9	715.0	711.2	707.4	703.6	699.7
20°	724.0	718.6	713.1	707.7	703.8	699.8	695.9	692.0	688.0	684.1	680.2
22.5°	705.6	699.0	692.4	685.8	682.1	678.4	674.7	671.0	667.3	663.6	659.9
25°	685.8	678.2	670.5	662.9	659.4	655.9	652.5	649.0	645.5	642.0	638.6
27.5°	663.6	654.6	645.7	636.8	633.8	630.8	627.8	624.8	621.7	618.7	615.7
30°	640.7	630.7	620.8	610.8	608.0	605.2	602.5	599.7	596.9	594.1	591.4
32.5°	616.0	604.5	593.1	581.6	579.6	577.7	575.7	573.7	571.8	569.8	567.8
35°	591.3	578.4	565.4	552.4	551.4	550.3	549.3	548.2	547.2	546.1	545.1
37.5°	566.0	551.1	536.1	521.2	521.4	521.6	521.9	522.1	522.3	522.5	522.8
40°	541.6	524.7	507.8	490.9	492.6	494.4	496.1	497.9	499.6	501.4	503.1
42.5°	516.7	497.7	478.7	459.7	463.3	466.9	470.5	474.1	477.6	481.2	484.8
45°	490.9	469.7	448.5	427.3	432.9	438.4	444.0	449.6	455.1	460.7	466.3
47.5°	465.9	442.7	419.4	396.1	403.5	410.9	418.3	425.7	433.2	440.6	448.0
50°	439.8	414.1	388.4	362.7	372.3	381.9	391.5	401.1	410.8	420.4	430.0
52.5°	417.9	390.5	363.0	335.6	347.0	358.3	369.7	381.0	392.4	403.7	415.1
55°	394.0	364.2	334.3	304.4	317.8	331.3	344.7	358.1	371.6	385.0	398.4
57.5°	371.4	339.4	307.3	275.2	290.8	306.5	322.1	337.7	353.4	369.0	384.6
60°	346.7	311.8	276.8	241.8	259.9	277.9	296.0	314.1	332.1	350.2	368.3
62.5°	327.6	290.7	253.7	216.8	236.5	256.2	275.9	295.6	315.2	334.9	354.6
65°	306.8	267.8	228.7	189.7	211.1	232.5	254.0	275.4	296.8	318.2	339.7
67.5°	286.6	246.0	205.3	164.7	187.6	210.6	233.5	256.4	279.4	302.3	325.2
70°	266.8	224.8	182.7	140.7	164.8	188.9	213.0	237.1	261.1	285.2	309.3
72.5°	245.6	202.6	159.7	116.7	141.6	166.5	191.4	216.3	241.2	266.1	291.0
75°	225.1	181.7	138.2	94.8	120.2	145.5	170.9	196.3	221.6	247.0	272.4
77.5°	204.3	160.9	117.4	74.0	99.6	125.2	150.8	176.4	202.0	227.6	253.2
80°	182.8	139.9	97.1	54.2	79.7	105.2	130.6	156.1	181.6	207.1	232.5
82.5°	161.6	119.9	78.2	36.5	61.5	86.5	111.5	136.5	161.6	186.6	211.6
85°	142.1	102.0	62.0	21.9	45.8	69.6	93.5	117.3	141.2	165.0	188.9
87.5°	123.0	84.7	46.5	8.3	31.4	54.4	77.5	100.5	123.6	146.6	169.7
90°	107.0	71.3	35.7	0.0	21.7	43.3	65.0	86.6	108.3	129.9	151.6
92.5°	99.4	66.2	33.1	0.0	20.2	40.3	60.5	80.6	100.8	120.9	141.1
95°	91.7	61.2	30.6	0.0	18.8	37.5	56.3	75.1	93.8	112.6	131.4
97.5°	83.7	55.8	27.9	0.0	17.3	34.5	51.8	69.0	86.3	103.5	120.8
100°	76.8	51.2	25.6	0.0	16.0	32.0	47.9	63.9	79.9	95.9	111.8
102.5°	69.8	46.6	23.3	0.0	14.7	29.4	44.1	58.8	73.6	88.3	103.0
105°	63.6	42.4	21.2	0.0	13.4	26.9	40.3	53.7	67.2	80.6	94.0
107.5°	57.7	38.4	19.2	0.0	12.3	24.6	36.8	49.1	61.4	73.7	85.9
110°	52.1	34.7	17.4	0.0	11.2	22.5	33.7	44.9	56.2	67.4	78.6



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	47.6	31.7	15.9	0.0	10.2	20.4	30.6	40.8	50.9	61.1	71.3
115°	42.7	28.5	14.2	0.0	9.0	18.1	27.1	36.1	45.2	54.2	63.2
117.5°	38.9	25.9	13.0	0.0	8.1	16.2	24.3	32.4	40.6	48.7	56.8
120°	35.1	23.4	11.7	0.0	7.3	14.6	21.9	29.2	36.5	43.8	51.1
122.5°	31.6	21.1	10.5	0.0	6.5	13.0	19.5	26.0	32.4	38.9	45.4
125°	27.8	18.5	9.3	0.0	5.8	11.6	17.4	23.2	28.9	34.7	40.5
127.5°	24.3	16.2	8.1	0.0	5.0	10.0	14.9	19.9	24.9	29.9	34.8
130°	21.2	14.1	7.1	0.0	4.2	8.3	12.5	16.7	20.8	25.0	29.2
132.5°	17.7	11.8	5.9	0.0	3.5	7.0	10.4	13.9	17.4	20.9	24.3
135°	14.9	10.0	5.0	0.0	2.8	5.6	8.3	11.1	13.9	16.7	19.4
137.5°	11.8	7.9	3.9	0.0	2.1	4.2	6.3	8.4	10.4	12.5	14.6
140°	8.7	5.8	2.9	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.5
142.5°	6.3	4.2	2.1	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.5
145°	4.2	2.8	1.4	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0
147.5°	2.4	1.6	0.8	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.3
150°	1.4	0.9	0.5	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4
152.5°	0.7	0.5	0.2	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6
155°	0.3	0.2	0.1	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLELD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	774.0	772.3	771.8	771.4	770.9	770.5	770.0	769.6	769.1	768.7	768.2
5°	766.2	764.0	763.1	762.2	761.2	760.3	759.4	758.5	757.5	756.6	755.7
7.5°	755.3	752.5	751.5	750.4	749.4	748.4	747.3	746.3	745.3	744.2	743.2
10°	743.1	740.0	738.8	737.7	736.5	735.4	734.2	733.1	731.9	730.8	729.6
12.5°	728.0	724.4	723.4	722.3	721.3	720.2	719.2	718.1	717.1	716.0	715.0
15°	712.5	708.8	708.0	707.2	706.4	705.6	704.7	703.9	703.1	702.3	701.5
17.5°	695.9	692.1	691.6	691.2	690.7	690.2	689.8	689.3	688.8	688.4	687.9
20°	676.2	672.3	672.8	673.2	673.7	674.2	674.6	675.1	675.6	676.0	676.5
22.5°	656.2	652.5	654.2	656.0	657.7	659.4	661.2	662.9	664.6	666.4	668.1
25°	635.1	631.6	635.2	638.8	642.4	646.0	649.5	653.1	656.7	660.3	663.9
27.5°	612.7	609.7	615.7	621.7	627.8	633.8	639.8	645.8	651.9	657.9	663.9
30°	588.6	585.8	594.4	602.9	611.5	620.1	628.6	637.2	645.8	654.3	662.9
32.5°	565.9	563.9	574.8	585.7	596.6	607.5	618.3	629.2	640.1	651.0	661.9
35°	544.0	543.0	556.1	569.2	582.3	595.4	608.4	621.5	634.6	647.7	660.8
37.5°	523.0	523.2	538.5	553.8	569.1	584.4	599.6	614.9	630.2	645.5	660.8
40°	504.9	506.6	524.0	541.3	558.7	576.1	593.4	610.8	628.2	645.5	662.9
42.5°	488.4	492.0	511.3	530.7	550.0	569.3	588.7	608.0	627.3	646.7	666.0
45°	471.8	477.4	499.1	520.7	542.4	564.0	585.7	607.3	629.0	650.6	672.3
47.5°	455.4	462.8	487.0	511.2	535.4	559.6	583.8	608.0	632.2	656.4	680.6
50°	439.6	449.2	476.2	503.2	530.2	557.2	584.1	611.1	638.1	665.1	692.1
52.5°	426.4	437.8	467.7	497.6	527.4	557.3	587.2	617.1	646.9	676.8	706.7
55°	411.9	425.3	458.5	491.8	525.0	558.2	591.5	624.7	657.9	691.2	724.4
57.5°	400.3	415.9	452.6	489.3	526.0	562.7	599.5	636.2	672.9	709.6	746.3
60°	386.3	404.4	445.1	485.7	526.4	567.0	607.7	648.3	689.0	729.6	770.3
62.5°	374.3	394.0	438.5	482.9	527.4	571.9	616.3	660.8	705.3	749.7	794.2
65°	361.1	382.5	430.7	478.9	527.0	575.2	623.4	671.6	719.7	767.9	816.1
67.5°	348.2	371.1	422.3	473.5	524.7	575.9	627.0	678.2	729.4	780.6	831.8
70°	333.4	357.5	410.9	464.3	517.7	571.1	624.4	677.8	731.2	784.6	838.0
72.5°	315.9	340.8	395.2	449.7	504.1	558.5	613.0	667.4	721.8	776.3	830.7
75°	297.7	323.1	377.1	431.0	485.0	539.0	592.9	646.9	700.9	754.8	808.8
77.5°	278.8	304.4	356.4	408.4	460.4	512.4	564.3	616.3	668.3	720.3	772.3
80°	258.0	283.5	332.4	381.3	430.1	479.0	527.9	576.8	625.6	674.5	723.4
82.5°	236.6	261.6	306.8	351.9	397.1	442.3	487.4	532.6	577.8	622.9	668.1
85°	212.7	236.6	278.1	319.5	361.0	402.4	443.9	485.3	526.8	568.2	609.7
87.5°	192.7	215.8	252.9	289.9	327.0	364.0	401.1	438.1	475.2	512.2	549.3
90°	173.2	194.9	228.1	261.4	294.6	327.9	361.1	394.4	427.6	460.9	494.1
92.5°	161.2	181.4	211.4	241.4	271.4	301.4	331.3	361.3	391.3	421.3	451.3
95°	150.1	168.9	196.5	224.0	251.6	279.1	306.7	334.2	361.8	389.3	416.9
97.5°	138.0	155.3	181.0	206.7	232.4	258.1	283.9	309.6	335.3	361.0	386.7
100°	127.8	143.8	167.9	192.0	216.1	240.2	264.2	288.3	312.4	336.5	360.6
102.5°	117.7	132.4	155.3	178.2	201.2	224.1	247.0	269.9	292.9	315.8	338.7
105°	107.5	120.9	142.9	164.9	186.9	208.9	230.9	252.9	274.9	296.9	318.9
107.5°	98.2	110.5	131.7	152.9	174.1	195.3	216.4	237.6	258.8	280.0	301.2
110°	89.9	101.1	121.5	141.9	162.2	182.6	203.0	223.4	243.7	264.1	284.5



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	81.5	91.7	111.3	130.9	150.4	170.0	189.6	209.2	228.7	248.3	267.9
115°	72.3	81.3	99.8	118.4	136.9	155.4	174.0	192.5	211.0	229.6	248.1
117.5°	64.9	73.0	90.6	108.2	125.8	143.4	161.0	178.6	196.2	213.8	231.4
120°	58.4	65.7	82.1	98.6	115.0	131.5	147.9	164.4	180.8	197.3	213.7
122.5°	51.9	58.4	73.7	89.0	104.3	119.6	134.8	150.1	165.4	180.7	196.0
125°	46.3	52.1	66.1	80.1	94.1	108.1	122.2	136.2	150.2	164.2	178.2
127.5°	39.8	44.8	57.4	70.0	82.7	95.3	107.9	120.5	133.2	145.8	158.4
130°	33.3	37.5	48.5	59.5	70.5	81.5	92.5	103.5	114.5	125.5	136.5
132.5°	27.8	31.3	40.6	49.8	59.1	68.4	77.6	86.9	96.2	105.4	114.7
135°	22.2	25.0	33.1	41.2	49.3	57.4	65.6	73.7	81.8	89.9	98.0
137.5°	16.7	18.8	25.9	32.9	40.0	47.0	54.1	61.1	68.2	75.2	82.3
140°	12.0	13.5	19.6	25.8	31.9	38.1	44.2	50.4	56.5	62.7	68.8
142.5°	7.4	8.3	13.6	19.0	24.3	29.6	35.0	40.3	45.6	51.0	56.3
145°	4.6	5.2	9.6	14.0	18.4	22.8	27.2	31.6	36.0	40.4	44.8
147.5°	3.7	4.2	7.7	11.1	14.6	18.1	21.5	25.0	28.5	31.9	35.4
150°	2.8	3.1	5.8	8.4	11.1	13.8	16.4	19.1	21.8	24.4	27.1
152.5°	1.9	2.1	4.1	6.0	8.0	10.0	11.9	13.9	15.9	17.8	19.8
155°	0.9	1.0	2.3	3.6	4.8	6.1	7.4	8.7	9.9	11.2	12.5
157.5°	0.0	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3
160°	0.0	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	767.6	767.0	766.5	765.9	765.3	764.7	764.2	763.6	763.0	762.2	761.4
5°	754.9	754.1	753.3	752.5	751.6	750.8	750.0	749.2	748.4	748.0	747.7
7.5°	742.3	741.3	740.4	739.5	738.5	737.6	736.7	735.7	734.8	734.7	734.6
10°	728.9	728.2	727.5	726.8	726.2	725.5	724.8	724.1	723.4	723.0	722.7
12.5°	714.7	714.3	714.0	713.6	713.3	712.9	712.6	712.2	711.9	711.8	711.7
15°	701.6	701.7	701.8	701.9	702.1	702.2	702.3	702.4	702.5	702.8	703.2
17.5°	689.2	690.5	691.7	693.0	694.3	695.6	696.8	698.1	699.4	700.3	701.2
20°	679.4	682.3	685.2	688.1	690.9	693.8	696.7	699.6	702.5	704.1	705.7
22.5°	672.7	677.4	682.0	686.6	691.3	695.9	700.5	705.2	709.8	711.7	713.5
25°	669.8	675.7	681.6	687.5	693.5	699.4	705.3	711.2	717.1	719.2	721.3
27.5°	670.6	677.3	684.1	690.8	697.5	704.2	711.0	717.7	724.4	726.8	729.3
30°	670.5	678.2	685.8	693.5	701.1	708.8	716.4	724.1	731.7	734.7	737.7
32.5°	670.7	679.5	688.3	697.1	705.9	714.7	723.5	732.3	741.1	744.8	748.5
35°	671.0	681.2	691.4	701.6	711.7	721.9	732.1	742.3	752.5	757.0	761.5
37.5°	672.7	684.7	696.6	708.5	720.5	732.4	744.3	756.3	768.2	773.5	778.8
40°	676.7	690.5	704.2	718.0	731.8	745.6	759.3	773.1	786.9	793.4	799.9
42.5°	682.1	698.2	714.3	730.4	746.5	762.6	778.7	794.8	810.9	818.7	826.4
45°	690.9	709.6	728.2	746.9	765.5	784.2	802.8	821.5	840.1	849.1	858.2
47.5°	702.3	723.9	745.6	767.2	788.9	810.5	832.2	853.8	875.5	885.9	896.3
50°	717.2	742.4	767.5	792.6	817.8	842.9	868.0	893.2	918.3	930.2	942.1
52.5°	735.4	764.1	792.9	821.6	850.3	879.0	907.8	936.5	965.2	978.5	991.8
55°	757.1	789.7	822.4	855.0	887.7	920.3	953.0	985.6	1018.3	1032.8	1047.3
57.5°	782.5	818.8	855.0	891.3	927.5	963.8	1000.0	1036.3	1072.5	1088.1	1103.8
60°	809.9	849.5	889.1	928.7	968.3	1007.9	1047.5	1087.1	1126.7	1142.8	1158.9
62.5°	836.7	879.2	921.7	964.2	1006.8	1049.3	1091.8	1134.3	1176.8	1192.8	1208.8
65°	860.7	905.3	949.9	994.5	1039.0	1083.6	1128.2	1172.8	1217.4	1233.2	1248.9
67.5°	877.4	923.0	968.7	1014.3	1059.9	1105.5	1151.2	1196.8	1242.4	1257.5	1272.5
70°	883.5	929.0	974.5	1020.0	1065.6	1111.1	1156.6	1202.1	1247.6	1261.7	1275.9
72.5°	875.2	919.7	964.1	1008.6	1053.1	1097.6	1142.0	1186.5	1231.0	1244.0	1256.9
75°	851.1	893.4	935.6	977.9	1020.2	1062.5	1104.7	1147.0	1189.3	1201.1	1212.9
77.5°	811.6	850.8	890.1	929.4	968.6	1007.9	1047.2	1086.4	1125.7	1136.6	1147.5
80°	759.1	794.7	830.4	866.1	901.7	937.4	973.1	1008.7	1044.4	1054.2	1064.1
82.5°	700.0	731.8	763.7	795.5	827.4	859.2	891.1	922.9	954.8	963.6	972.4
85°	637.8	666.0	694.1	722.3	750.4	778.6	806.7	834.9	863.0	870.8	878.5
87.5°	574.0	598.6	623.3	648.0	672.6	697.3	722.0	746.6	771.3	778.4	785.4
90°	515.9	537.6	559.4	581.2	602.9	624.7	646.5	668.2	690.0	696.5	703.0
92.5°	470.9	490.5	510.0	529.6	549.2	568.8	588.3	607.9	627.5	633.4	639.3
95°	434.7	452.6	470.4	488.2	506.1	523.9	541.7	559.6	577.4	582.8	588.3
97.5°	403.5	420.3	437.1	453.9	470.6	487.4	504.2	521.0	537.8	543.0	548.2
100°	376.7	392.8	408.9	425.0	441.1	457.2	473.3	489.4	505.5	510.6	515.7
102.5°	354.3	370.0	385.6	401.3	416.9	432.6	448.2	463.9	479.5	484.5	489.5
105°	334.3	349.7	365.1	380.5	396.0	411.4	426.8	442.2	457.6	462.6	467.6
107.5°	316.6	332.0	347.4	362.8	378.3	393.7	409.1	424.5	439.9	444.9	449.9
110°	299.7	314.9	330.0	345.2	360.4	375.6	390.7	405.9	421.1	426.3	431.5



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	283.2	298.5	313.8	329.1	344.3	359.6	374.9	390.2	405.5	410.8	416.1
115°	263.6	279.1	294.6	310.1	325.7	341.2	356.7	372.2	387.7	393.3	398.8
117.5°	246.7	262.0	277.3	292.6	307.8	323.1	338.4	353.7	369.0	374.7	380.3
120°	228.6	243.6	258.5	273.4	288.4	303.3	318.2	333.2	348.1	353.9	359.7
122.5°	210.2	224.5	238.7	253.0	267.2	281.5	295.7	310.0	324.2	330.1	336.0
125°	191.6	205.1	218.5	231.9	245.4	258.8	272.2	285.7	299.1	304.9	310.7
127.5°	171.1	183.9	196.6	209.4	222.1	234.9	247.6	260.4	273.1	278.5	284.0
130°	148.4	160.4	172.3	184.2	196.2	208.1	220.0	232.0	243.9	249.2	254.5
132.5°	126.3	137.9	149.4	161.0	172.6	184.2	195.7	207.3	218.9	223.6	228.4
135°	108.5	119.1	129.6	140.1	150.7	161.2	171.7	182.3	192.8	197.0	201.1
137.5°	91.3	100.4	109.4	118.4	127.5	136.5	145.5	154.6	163.6	167.9	172.2
140°	76.0	83.2	90.3	97.5	104.7	111.9	119.0	126.2	133.4	137.8	142.2
142.5°	62.4	68.6	74.7	80.8	87.0	93.1	99.2	105.4	111.5	115.1	118.7
145°	50.0	55.2	60.4	65.6	70.9	76.1	81.3	86.5	91.7	95.2	98.7
147.5°	39.7	44.0	48.3	52.6	56.8	61.1	65.4	69.7	74.0	77.2	80.5
150°	30.6	34.1	37.5	41.0	44.5	48.0	51.4	54.9	58.4	61.5	64.6
152.5°	22.5	25.1	27.8	30.5	33.1	35.8	38.5	41.1	43.8	46.7	49.6
155°	14.7	16.9	19.1	21.3	23.5	25.7	27.9	30.1	32.3	35.0	37.6
157.5°	8.0	9.8	11.5	13.2	15.0	16.7	18.4	20.2	21.9	24.2	26.5
160°	3.4	4.6	5.9	7.2	8.4	9.7	11.0	12.2	13.5	15.5	17.5
162.5°	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.2	6.7	8.2
165°	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLELD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	760.6	759.8	758.9	758.1	757.3	756.5	755.7	756.4	757.1	757.8	758.5
5°	747.3	747.0	746.6	746.3	745.9	745.6	745.2	745.6	745.9	746.3	746.6
7.5°	734.5	734.4	734.2	734.1	734.0	733.9	733.8	733.9	734.0	734.1	734.2
10°	722.3	722.0	721.6	721.3	720.9	720.6	720.2	720.3	720.4	720.6	720.7
12.5°	711.6	711.5	711.3	711.2	711.1	711.0	710.9	710.8	710.7	710.5	710.4
15°	703.5	703.9	704.2	704.6	704.9	705.3	705.6	705.3	704.9	704.6	704.2
17.5°	702.2	703.1	704.0	704.9	705.9	706.8	707.7	706.8	705.9	704.9	704.0
20°	707.4	709.0	710.6	712.2	713.9	715.5	717.1	715.2	713.4	711.5	709.7
22.5°	715.4	717.2	719.1	720.9	722.8	724.6	726.5	724.2	721.9	719.5	717.2
25°	723.4	725.5	727.5	729.6	731.7	733.8	735.9	733.5	731.0	728.6	726.2
27.5°	731.7	734.1	736.6	739.0	741.4	743.9	746.3	743.5	740.7	738.0	735.2
30°	740.7	743.7	746.8	749.8	752.8	755.8	758.8	755.6	752.3	749.1	745.8
32.5°	752.2	755.9	759.6	763.3	767.0	770.7	774.4	770.6	766.8	762.9	759.1
35°	766.1	770.6	775.1	779.6	784.2	788.7	793.2	788.7	784.2	779.6	775.1
37.5°	784.2	789.5	794.8	800.1	805.5	810.8	816.1	810.8	805.5	800.1	794.8
40°	806.4	812.9	819.3	825.8	832.3	838.8	845.3	839.0	832.8	826.5	820.3
42.5°	834.2	841.9	849.7	857.4	865.2	872.9	880.7	873.3	865.9	858.5	851.1
45°	867.2	876.2	885.3	894.3	903.3	912.4	921.4	913.2	905.0	896.7	888.5
47.5°	906.8	917.2	927.6	938.0	948.5	958.9	969.3	959.8	950.3	940.8	931.3
50°	954.1	966.0	977.9	989.8	1001.8	1013.7	1025.6	1014.6	1003.6	992.6	981.6
52.5°	1005.1	1018.4	1031.8	1045.1	1058.4	1071.7	1085.0	1073.0	1060.9	1048.9	1036.8
55°	1061.7	1076.2	1090.7	1105.2	1119.6	1134.1	1148.6	1135.6	1122.7	1109.7	1096.7
57.5°	1119.4	1135.0	1150.7	1166.3	1181.9	1197.6	1213.2	1199.3	1185.4	1171.5	1157.6
60°	1175.0	1191.1	1207.2	1223.3	1239.4	1255.5	1271.6	1257.4	1243.1	1228.9	1214.6
62.5°	1224.7	1240.7	1256.7	1272.7	1288.6	1304.6	1320.6	1306.6	1292.6	1278.6	1264.6
65°	1264.7	1280.4	1296.2	1311.9	1327.7	1343.4	1359.2	1345.5	1331.9	1318.2	1304.5
67.5°	1287.6	1302.6	1317.7	1332.7	1347.8	1362.8	1377.9	1364.8	1351.7	1338.6	1325.5
70°	1290.0	1304.1	1318.3	1332.4	1346.5	1360.7	1374.8	1362.5	1350.2	1338.0	1325.7
72.5°	1269.9	1282.9	1295.8	1308.8	1321.8	1334.7	1347.7	1336.1	1324.5	1313.0	1301.4
75°	1224.7	1236.5	1248.4	1260.2	1272.0	1283.8	1295.6	1284.8	1274.1	1263.3	1252.5
77.5°	1158.4	1169.3	1180.1	1191.0	1201.9	1212.8	1223.7	1213.6	1203.5	1193.5	1183.4
80°	1073.9	1083.8	1093.6	1103.5	1113.3	1123.2	1133.0	1123.5	1114.0	1104.5	1095.0
82.5°	981.2	990.0	998.8	1007.6	1016.4	1025.2	1034.0	1025.0	1015.9	1006.9	997.9
85°	886.3	894.1	901.8	909.6	917.4	925.1	932.9	924.6	916.2	907.9	899.5
87.5°	792.5	799.6	806.6	813.7	820.8	827.8	834.9	828.2	821.5	814.7	808.0
90°	709.5	716.0	722.4	728.9	735.4	741.9	748.4	742.1	735.9	729.6	723.4
92.5°	645.2	651.1	657.0	662.9	668.8	674.7	680.6	674.7	668.8	662.9	657.0
95°	593.7	599.2	604.6	610.1	615.5	621.0	626.4	621.1	615.8	610.4	605.1
97.5°	553.4	558.6	563.9	569.1	574.3	579.5	584.7	579.6	574.5	569.4	564.3
100°	520.8	525.9	531.0	536.1	541.2	546.3	551.4	546.5	541.7	536.8	531.9
102.5°	494.4	499.4	504.4	509.4	514.3	519.3	524.3	519.4	514.6	509.7	504.8
105°	472.5	477.5	482.5	487.5	492.4	497.4	502.4	497.8	493.1	488.5	483.9
107.5°	454.8	459.8	464.8	469.8	474.7	479.7	484.7	479.9	475.2	470.4	465.7
110°	436.7	441.9	447.2	452.4	457.6	462.8	468.0	463.1	458.3	453.4	448.5



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	421.5	426.8	432.1	437.4	442.8	448.1	453.4	448.4	443.4	438.5	433.5
115°	404.4	410.0	415.5	421.1	426.7	432.2	437.8	432.6	427.4	422.2	417.0
117.5°	386.0	391.7	397.3	403.0	408.7	414.3	420.0	414.7	409.4	404.0	398.7
120°	365.5	371.3	377.0	382.8	388.6	394.4	400.2	394.9	389.6	384.2	378.9
122.5°	341.9	347.8	353.7	359.6	365.5	371.4	377.3	372.0	366.7	361.3	356.0
125°	316.5	322.3	328.1	333.9	339.7	345.5	351.3	346.1	340.9	335.7	330.5
127.5°	289.4	294.9	300.3	305.8	311.2	316.7	322.1	317.2	312.4	307.5	302.6
130°	259.9	265.2	270.5	275.8	281.2	286.5	291.8	287.1	282.3	277.6	272.8
132.5°	233.1	237.9	242.6	247.4	252.1	256.9	261.6	257.3	253.0	248.8	244.5
135°	205.3	209.5	213.6	217.8	222.0	226.1	230.3	226.8	223.4	219.9	216.4
137.5°	176.5	180.8	185.0	189.3	193.6	197.9	202.2	198.8	195.5	192.1	188.8
140°	146.6	151.0	155.4	159.8	164.2	168.6	173.0	169.9	166.8	163.6	160.5
142.5°	122.3	125.9	129.4	133.0	136.6	140.2	143.8	141.7	139.6	137.6	135.5
145°	102.1	105.6	109.1	112.6	116.0	119.5	123.0	121.3	119.5	117.8	116.1
147.5°	83.7	87.0	90.2	93.5	96.7	100.0	103.2	101.8	100.4	99.0	97.6
150°	67.8	70.9	74.0	77.1	80.3	83.4	86.5	85.3	84.2	83.0	81.9
152.5°	52.5	55.4	58.2	61.1	64.0	66.9	69.8	68.9	68.0	67.0	66.1
155°	40.3	43.0	45.6	48.3	51.0	53.6	56.3	55.5	54.7	53.9	53.1
157.5°	28.8	31.1	33.5	35.8	38.1	40.4	42.7	42.1	41.5	41.0	40.4
160°	19.4	21.4	23.4	25.4	27.3	29.3	31.3	30.7	30.1	29.6	29.0
162.5°	9.7	11.2	12.8	14.3	15.8	17.3	18.8	18.4	18.1	17.7	17.4
165°	3.8	4.7	5.7	6.6	7.5	8.5	9.4	9.4	9.4	9.4	9.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	759.1	759.8	760.5	761.2	761.9	763.1	764.2	765.4	766.5	767.7	768.8
5°	747.0	747.3	747.7	748.0	748.4	749.7	750.9	752.2	753.5	754.7	756.0
7.5°	734.4	734.5	734.6	734.7	734.8	736.1	737.4	738.6	739.9	741.2	742.5
10°	720.8	720.9	721.1	721.2	721.3	722.8	724.3	725.8	727.3	728.8	730.3
12.5°	710.3	710.2	710.0	709.9	709.8	711.2	712.6	714.0	715.4	716.7	718.1
15°	703.9	703.5	703.2	702.8	702.5	703.1	703.7	704.2	704.8	705.4	706.0
17.5°	703.1	702.2	701.2	700.3	699.4	698.9	698.5	698.0	697.5	697.1	696.6
20°	707.8	706.0	704.1	702.3	700.4	698.3	696.2	694.2	692.1	690.0	687.9
22.5°	714.9	712.6	710.2	707.9	705.6	701.9	698.2	694.5	690.8	687.1	683.4
25°	723.7	721.3	718.9	716.4	714.0	708.9	703.8	698.7	693.6	688.5	683.4
27.5°	732.4	729.6	726.9	724.1	721.3	715.4	709.5	703.6	697.7	691.7	685.8
30°	742.6	739.3	736.1	732.8	729.6	722.5	715.5	708.4	701.3	694.3	687.2
32.5°	755.3	751.5	747.6	743.8	740.0	731.7	723.3	715.0	706.7	698.3	690.0
35°	770.6	766.1	761.5	757.0	752.5	742.8	733.1	723.3	713.6	703.9	694.2
37.5°	789.5	784.2	778.8	773.5	768.2	756.8	745.5	734.1	722.8	711.4	700.1
40°	814.0	807.8	801.5	795.3	789.0	775.7	762.4	749.1	735.8	722.4	709.1
42.5°	843.6	836.2	828.8	821.4	814.0	798.5	783.0	767.5	752.0	736.4	720.9
45°	880.3	872.1	863.8	855.6	847.4	828.9	810.3	791.8	773.3	754.7	736.2
47.5°	921.9	912.4	902.9	893.4	883.9	862.5	841.0	819.6	798.2	776.7	755.3
50°	970.6	959.6	948.6	937.6	926.6	901.9	877.3	852.6	827.9	803.3	778.6
52.5°	1024.8	1012.7	1000.7	988.6	976.6	948.2	919.9	891.5	863.1	834.8	806.4
55°	1083.8	1070.8	1057.8	1044.9	1031.9	999.6	967.3	935.0	902.7	870.3	838.0
57.5°	1143.8	1129.9	1116.0	1102.1	1088.2	1052.4	1016.6	980.8	945.0	909.3	873.5
60°	1200.4	1186.1	1171.9	1157.6	1143.4	1104.4	1065.4	1026.3	987.3	948.3	909.3
62.5°	1250.5	1236.5	1222.5	1208.5	1194.5	1152.7	1110.9	1069.1	1027.3	985.4	943.6
65°	1290.9	1277.2	1263.5	1249.9	1236.2	1192.3	1148.4	1104.5	1060.6	1016.7	972.8
67.5°	1312.5	1299.4	1286.3	1273.2	1260.1	1215.4	1170.7	1126.0	1081.3	1036.6	991.9
70°	1313.4	1301.1	1288.9	1276.6	1264.3	1219.7	1175.1	1130.5	1085.9	1041.4	996.8
72.5°	1289.8	1278.2	1266.7	1255.1	1243.5	1200.4	1157.3	1114.2	1071.1	1028.1	985.0
75°	1241.8	1231.0	1220.2	1209.5	1198.7	1158.0	1117.4	1076.7	1036.1	995.4	954.8
77.5°	1173.3	1163.2	1153.2	1143.1	1133.0	1095.5	1058.0	1020.4	982.9	945.4	907.9
80°	1085.5	1076.0	1066.5	1057.0	1047.5	1013.6	979.6	945.7	911.8	877.8	843.9
82.5°	988.8	979.8	970.8	961.7	952.7	922.8	892.9	863.1	833.2	803.3	773.4
85°	891.2	882.8	874.5	866.1	857.8	831.5	805.2	778.9	752.6	726.4	700.1
87.5°	801.3	794.6	787.8	781.1	774.4	750.4	726.5	702.5	678.5	654.6	630.6
90°	717.1	710.9	704.6	698.4	692.1	671.0	649.9	628.9	607.8	586.7	565.6
92.5°	651.1	645.2	639.3	633.4	627.5	608.9	590.2	571.6	552.9	534.3	515.6
95°	599.8	594.5	589.1	583.8	578.5	561.4	544.2	527.1	509.9	492.8	475.6
97.5°	559.3	554.2	549.1	544.0	538.9	522.8	506.7	490.6	474.5	458.4	442.3
100°	527.1	522.2	517.3	512.5	507.6	492.1	476.6	461.0	445.5	430.0	414.5
102.5°	500.0	495.1	490.2	485.4	480.5	465.4	450.4	435.3	420.3	405.2	390.2
105°	479.2	474.6	470.0	465.3	460.7	445.8	430.8	415.9	400.9	386.0	371.0
107.5°	460.9	456.2	451.4	446.7	441.9	427.2	412.5	397.8	383.1	368.4	353.7
110°	443.7	438.8	433.9	429.1	424.2	409.6	395.0	380.4	365.8	351.3	336.7



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	428.5	423.5	418.6	413.6	408.6	394.0	379.4	364.8	350.2	335.7	321.1
115°	411.7	406.5	401.3	396.1	390.9	376.3	361.7	347.1	332.5	317.9	303.3
117.5°	393.4	388.1	382.7	377.4	372.1	357.4	342.7	328.0	313.3	298.5	283.8
120°	373.6	368.3	362.9	357.6	352.3	337.8	323.3	308.9	294.4	279.9	265.4
122.5°	350.7	345.4	340.0	334.7	329.4	315.5	301.6	287.7	273.8	259.9	246.0
125°	325.2	320.0	314.8	309.6	304.4	291.2	278.0	264.8	251.6	238.3	225.1
127.5°	297.8	292.9	288.0	283.2	278.3	266.0	253.7	241.5	229.2	216.9	204.6
130°	268.1	263.3	258.6	253.8	249.1	238.1	227.1	216.1	205.1	194.1	183.1
132.5°	240.2	235.9	231.7	227.4	223.1	212.6	202.0	191.5	180.9	170.4	159.8
135°	213.0	209.5	206.0	202.6	199.1	189.6	180.1	170.6	161.1	151.6	142.1
137.5°	185.4	182.1	178.7	175.4	172.0	164.0	156.0	148.0	140.0	132.1	124.1
140°	157.4	154.3	151.1	148.0	144.9	138.5	132.2	125.8	119.4	113.1	106.7
142.5°	133.4	131.3	129.3	127.2	125.1	119.5	114.0	108.4	102.8	97.3	91.7
145°	114.3	112.6	110.9	109.1	107.4	102.6	97.9	93.1	88.4	83.6	78.9
147.5°	96.3	94.9	93.5	92.1	90.7	86.6	82.6	78.5	74.5	70.4	66.4
150°	80.7	79.6	78.4	77.3	76.1	72.5	68.9	65.3	61.7	58.2	54.6
152.5°	65.2	64.3	63.3	62.4	61.5	58.6	55.7	52.8	49.9	47.0	44.1
155°	52.2	51.4	50.6	49.8	49.0	46.6	44.1	41.7	39.3	36.8	34.4
157.5°	39.8	39.2	38.7	38.1	37.5	35.3	33.1	30.9	28.7	26.5	24.3
160°	28.4	27.8	27.3	26.7	26.1	24.5	22.9	21.2	19.6	18.0	16.4
162.5°	17.0	16.7	16.3	16.0	15.6	14.8	14.0	13.2	12.4	11.5	10.7
165°	9.4	9.4	9.4	9.4	9.4	8.9	8.5	8.0	7.5	7.1	6.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	770.0	771.1	772.3	772.4	772.5	772.7	772.8	772.9	773.0	773.2	773.3
5°	757.3	758.5	759.8	760.3	760.7	761.2	761.7	762.1	762.6	763.1	763.5
7.5°	743.7	745.0	746.3	747.0	747.7	748.4	749.1	749.7	750.4	751.1	751.8
10°	731.8	733.3	734.8	735.2	735.5	735.9	736.2	736.6	736.9	737.3	737.6
12.5°	719.5	720.9	722.3	722.4	722.5	722.7	722.8	722.9	723.0	723.2	723.3
15°	706.5	707.1	707.7	707.8	707.9	708.1	708.2	708.3	708.4	708.6	708.7
17.5°	696.1	695.7	695.2	694.7	694.3	693.8	693.3	692.9	692.4	691.9	691.5
20°	685.9	683.8	681.7	680.7	679.6	678.6	677.5	676.5	675.4	674.4	673.3
22.5°	679.7	676.0	672.3	669.9	667.4	665.0	662.6	660.1	657.7	655.3	652.8
25°	678.3	673.2	668.1	663.8	659.5	655.3	651.0	646.7	642.4	638.2	633.9
27.5°	679.9	674.0	668.1	661.3	654.4	647.6	640.8	633.9	627.1	620.3	613.4
30°	680.1	673.1	666.0	657.0	647.9	638.9	629.9	620.8	611.8	602.8	593.7
32.5°	681.7	673.3	665.0	653.8	642.5	631.3	620.1	608.8	597.6	586.4	575.1
35°	684.4	674.7	665.0	651.3	637.7	624.0	610.3	596.7	583.0	569.3	555.7
37.5°	688.7	677.4	666.0	650.1	634.3	618.4	602.5	586.7	570.8	554.9	539.1
40°	695.8	682.5	669.2	651.4	633.5	615.7	597.8	580.0	562.1	544.3	526.4
42.5°	705.4	689.9	674.4	654.4	634.3	614.3	594.3	574.2	554.2	534.2	514.1
45°	717.7	699.1	680.6	658.4	636.1	613.9	591.7	569.4	547.2	525.0	502.7
47.5°	733.9	712.4	691.0	666.3	641.7	617.0	592.3	567.7	543.0	518.3	493.7
50°	753.9	729.3	704.6	677.0	649.5	621.9	594.3	566.8	539.2	511.6	484.1
52.5°	778.0	749.7	721.3	690.6	659.9	629.2	598.5	567.9	537.2	506.5	475.8
55°	805.7	773.4	741.1	707.2	673.2	639.3	605.4	571.4	537.5	503.6	469.6
57.5°	837.7	801.9	766.1	728.2	690.4	652.5	614.6	576.8	538.9	501.0	463.2
60°	870.2	831.2	792.2	750.4	708.6	666.8	625.0	583.1	541.3	499.5	457.7
62.5°	901.8	860.0	818.2	772.6	726.9	681.3	635.7	590.0	544.4	498.8	453.1
65°	928.9	885.0	841.1	791.9	742.7	693.5	644.3	595.0	545.8	496.6	447.4
67.5°	947.2	902.5	857.8	805.5	753.1	700.8	648.4	596.1	543.7	491.4	439.0
70°	952.2	907.6	863.0	808.6	754.1	699.7	645.3	590.8	536.4	482.0	427.5
72.5°	941.9	898.8	855.7	800.3	745.0	689.6	634.3	578.9	523.6	468.2	412.9
75°	914.1	873.5	832.8	778.0	723.2	668.5	613.7	558.9	504.1	449.4	394.6
77.5°	870.3	832.8	795.3	742.5	689.7	636.9	584.1	531.2	478.4	425.6	372.8
80°	810.0	776.0	742.1	692.8	643.4	594.1	544.8	495.4	446.1	396.8	347.4
82.5°	743.6	713.7	683.8	638.4	593.0	547.6	502.2	456.8	411.4	366.0	320.6
85°	673.8	647.5	621.2	580.0	538.8	497.5	456.3	415.1	373.9	332.6	291.4
87.5°	606.6	582.7	558.7	521.9	485.0	448.2	411.4	374.5	337.7	300.9	264.0
90°	544.6	523.5	502.4	469.4	436.4	403.4	370.4	337.3	304.3	271.3	238.3
92.5°	497.0	478.3	459.7	429.9	400.2	370.4	340.6	310.9	281.1	251.3	221.6
95°	458.5	441.3	424.2	396.8	369.3	341.9	314.4	287.0	259.5	232.1	204.6
97.5°	426.2	410.1	394.0	368.5	343.0	317.6	292.1	266.6	241.1	215.7	190.2
100°	398.9	383.4	367.9	343.9	320.0	296.0	272.0	248.1	224.1	200.1	176.2
102.5°	375.1	360.1	345.0	322.2	299.4	276.6	253.8	230.9	208.1	185.3	162.5
105°	356.1	341.1	326.2	304.2	282.2	260.2	238.2	216.2	194.2	172.2	150.2
107.5°	339.0	324.3	309.6	288.3	267.0	245.7	224.4	203.0	181.7	160.4	139.1
110°	322.1	307.5	292.9	272.4	251.9	231.4	210.9	190.4	169.9	149.4	128.9



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	306.5	291.9	277.3	257.4	237.5	217.5	197.6	177.7	157.8	137.8	117.9
115°	288.7	274.1	259.5	240.5	221.5	202.5	183.5	164.6	145.6	126.6	107.6
117.5°	269.1	254.4	239.7	222.0	204.3	186.6	168.9	151.1	133.4	115.7	98.0
120°	251.0	236.5	222.0	205.3	188.6	172.0	155.3	138.6	121.9	105.3	88.6
122.5°	232.1	218.2	204.3	188.9	173.5	158.1	142.7	127.3	111.9	96.5	81.1
125°	211.9	198.7	185.5	171.4	157.3	143.1	129.0	114.9	100.8	86.6	72.5
127.5°	192.4	180.1	167.8	154.9	142.1	129.2	116.4	103.5	90.7	77.8	65.0
130°	172.1	161.1	150.1	138.6	127.2	115.7	104.2	92.8	81.3	69.8	58.4
132.5°	149.3	138.7	128.2	118.5	108.7	99.0	89.3	79.5	69.8	60.1	50.3
135°	132.6	123.1	113.6	104.9	96.2	87.5	78.8	70.2	61.5	52.8	44.1
137.5°	116.1	108.1	100.1	92.2	84.3	76.5	68.6	60.7	52.8	45.0	37.1
140°	100.3	94.0	87.6	80.5	73.5	66.4	59.3	52.3	45.2	38.1	31.1
142.5°	86.1	80.6	75.0	68.8	62.5	56.3	50.0	43.8	37.5	31.3	25.0
145°	74.1	69.4	64.6	59.0	53.5	47.9	42.4	36.8	31.3	25.7	20.2
147.5°	62.3	58.3	54.2	49.5	44.7	40.0	35.2	30.5	25.7	21.0	16.2
150°	51.0	47.4	43.8	40.0	36.2	32.3	28.5	24.7	20.9	17.0	13.2
152.5°	41.2	38.3	35.4	32.4	29.4	26.4	23.4	20.3	17.3	14.3	11.3
155°	32.0	29.5	27.1	24.8	22.5	20.2	17.9	15.5	13.2	10.9	8.6
157.5°	22.1	19.9	17.7	16.2	14.7	13.2	11.7	10.2	8.7	7.2	5.7
160°	14.7	13.1	11.5	10.6	9.6	8.7	7.8	6.8	5.9	5.0	4.0
162.5°	9.9	9.1	8.3	7.6	6.9	6.2	5.5	4.9	4.2	3.5	2.8
165°	6.1	5.7	5.2	4.9	4.5	4.2	3.8	3.5	3.1	2.8	2.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	773.4	775.6	777.8	780.0	782.2	784.4	786.6	788.8	791.0	793.2	793.0
5°	764.0	766.8	769.6	772.3	775.1	777.9	780.7	783.4	786.2	789.0	789.6
7.5°	752.5	755.6	758.8	761.9	765.0	768.2	771.3	774.4	777.6	780.7	782.2
10°	738.0	741.7	745.4	749.1	752.8	756.5	760.2	763.9	767.6	771.3	773.5
12.5°	723.4	727.3	731.3	735.2	739.1	743.1	747.0	750.9	754.9	758.8	761.9
15°	708.8	712.8	716.9	720.9	725.0	729.0	733.1	737.1	741.2	745.2	749.3
17.5°	691.0	695.2	699.4	703.5	707.7	711.9	716.1	720.2	724.4	728.6	733.6
20°	672.3	676.5	680.6	684.8	689.0	693.1	697.3	701.5	705.6	709.8	715.6
22.5°	650.4	654.3	658.3	662.2	666.1	670.1	674.0	677.9	681.9	685.8	693.0
25°	629.6	633.4	637.2	641.0	644.8	648.7	652.5	656.3	660.1	663.9	671.9
27.5°	606.6	610.3	614.0	617.7	621.4	625.2	628.9	632.6	636.3	640.0	649.0
30°	584.7	587.8	591.0	594.1	597.2	600.4	603.5	606.6	609.8	612.9	623.1
32.5°	563.9	566.1	568.3	570.5	572.7	574.9	577.1	579.3	581.5	583.7	595.3
35°	542.0	543.3	544.6	545.8	547.1	548.4	549.7	550.9	552.2	553.5	566.6
37.5°	523.2	523.2	523.2	523.2	523.2	523.2	523.2	523.2	523.2	523.2	538.0
40°	508.6	506.8	504.9	503.1	501.2	499.4	497.5	495.7	493.8	492.0	508.7
42.5°	494.1	490.2	486.2	482.3	478.3	474.4	470.4	466.5	462.5	458.6	477.5
45°	480.5	474.6	468.7	462.8	456.9	450.9	445.0	439.1	433.2	427.3	448.3
47.5°	469.0	460.8	452.6	444.3	436.1	427.9	419.7	411.4	403.2	395.0	418.1
50°	456.5	446.2	435.9	425.6	415.3	405.0	394.7	384.4	374.1	363.8	389.0
52.5°	445.1	432.7	420.3	407.9	395.5	383.1	370.7	358.3	345.9	333.5	360.8
55°	435.7	421.1	406.5	391.9	377.3	362.8	348.2	333.6	319.0	304.4	333.8
57.5°	425.3	408.6	391.9	375.3	358.6	341.9	325.2	308.6	291.9	275.2	306.8
60°	415.9	396.8	377.7	358.6	339.5	320.3	301.2	282.1	263.0	243.9	278.1
62.5°	407.5	386.3	365.1	343.9	322.7	301.6	280.4	259.2	238.0	216.8	253.2
65°	398.2	375.1	352.1	329.0	306.0	282.9	259.9	236.8	213.8	190.7	229.0
67.5°	386.7	362.0	337.4	312.7	288.0	263.4	238.7	214.0	189.4	164.7	204.8
70°	373.1	347.3	321.5	295.6	269.8	244.0	218.2	192.3	166.5	140.7	182.0
72.5°	357.5	330.7	304.0	277.2	250.5	223.7	197.0	170.2	143.5	116.7	159.0
75°	339.8	312.6	285.4	258.1	230.9	203.7	176.5	149.2	122.0	94.8	137.5
77.5°	320.0	292.8	265.6	238.3	211.1	183.9	156.7	129.4	102.2	75.0	117.5
80°	298.1	271.1	244.1	217.1	190.1	163.2	136.2	109.2	82.2	55.2	97.0
82.5°	275.2	248.9	222.6	196.3	170.0	143.8	117.5	91.2	64.9	38.6	79.1
85°	250.2	224.9	199.7	174.4	149.2	123.9	98.7	73.4	48.2	22.9	61.9
87.5°	227.2	203.0	178.8	154.6	130.4	106.2	82.0	57.8	33.6	9.4	46.5
90°	205.3	182.5	159.7	136.9	114.1	91.2	68.4	45.6	22.8	0.0	34.7
92.5°	191.8	170.5	149.2	127.9	106.6	85.2	63.9	42.6	21.3	0.0	32.2
95°	177.2	157.5	137.8	118.1	98.4	78.8	59.1	39.4	19.7	0.0	29.6
97.5°	164.7	146.4	128.1	109.8	91.5	73.2	54.9	36.6	18.3	0.0	27.0
100°	152.2	135.3	118.4	101.5	84.6	67.6	50.7	33.8	16.9	0.0	24.7
102.5°	139.7	124.2	108.7	93.1	77.6	62.1	46.6	31.0	15.5	0.0	22.5
105°	128.2	114.0	99.7	85.5	71.2	57.0	42.7	28.5	14.2	0.0	20.5
107.5°	117.8	104.7	91.6	78.5	65.4	52.4	39.3	26.2	13.1	0.0	18.6
110°	108.4	96.4	84.3	72.3	60.2	48.2	36.1	24.1	12.0	0.0	16.8



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	98.0	87.1	76.2	65.3	54.4	43.6	32.7	21.8	10.9	0.0	15.3
115°	88.6	78.9	69.1	59.4	49.7	39.9	30.2	20.5	10.7	1.0	14.8
117.5°	80.3	71.5	62.7	53.9	45.1	36.2	27.4	18.6	9.8	1.0	13.4
120°	71.9	64.0	56.1	48.3	40.4	32.5	24.6	16.8	8.9	1.0	12.2
122.5°	65.7	58.5	51.3	44.1	36.9	29.8	22.6	15.4	8.2	1.0	11.0
125°	58.4	52.0	45.6	39.3	32.9	26.5	20.1	13.8	7.4	1.0	9.7
127.5°	52.1	46.4	40.7	35.1	29.4	23.7	18.0	12.4	6.7	1.0	8.3
130°	46.9	41.8	36.7	31.6	26.5	21.4	16.3	11.2	6.1	1.0	6.9
132.5°	40.6	36.2	31.8	27.4	23.0	18.6	14.2	9.8	5.4	1.0	5.8
135°	35.4	31.6	27.8	23.9	20.1	16.3	12.5	8.6	4.8	1.0	4.6
137.5°	29.2	26.1	22.9	19.8	16.7	13.5	10.4	7.3	4.1	1.0	3.6
140°	24.0	21.4	18.9	16.3	13.8	11.2	8.7	6.1	3.6	1.0	2.7
142.5°	18.8	16.8	14.8	12.9	10.9	8.9	6.9	5.0	3.0	1.0	2.2
145°	14.6	13.1	11.6	10.1	8.6	7.0	5.5	4.0	2.5	1.0	1.7
147.5°	11.5	10.3	9.2	8.0	6.8	5.7	4.5	3.3	2.2	1.0	1.5
150°	9.4	8.5	7.5	6.6	5.7	4.7	3.8	2.9	1.9	1.0	1.4
152.5°	8.3	7.5	6.7	5.9	5.1	4.2	3.4	2.6	1.8	1.0	1.2
155°	6.3	5.7	5.1	4.5	3.9	3.4	2.8	2.2	1.6	1.0	1.1
157.5°	4.2	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.4	1.0	1.0
160°	3.1	2.9	2.6	2.4	2.2	1.9	1.7	1.5	1.2	1.0	1.0
162.5°	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.2	1.1	1.0	1.0
165°	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.2	1.1	1.0	0.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	792.7	792.5	792.3	792.0	791.8	791.6	791.3	791.1	791.7	792.3	792.8
5°	790.2	790.7	791.3	791.9	792.5	793.0	793.6	794.2	795.5	796.8	798.0
7.5°	783.7	785.2	786.7	788.2	789.7	791.2	792.7	794.2	796.2	798.2	800.1
10°	775.7	777.9	780.1	782.3	784.5	786.7	788.9	791.1	794.0	796.9	799.8
12.5°	765.0	768.2	771.3	774.4	777.5	780.7	783.8	786.9	790.7	794.5	798.4
15°	753.3	757.4	761.4	765.5	769.5	773.6	777.6	781.7	786.5	791.2	796.0
17.5°	738.6	743.5	748.5	753.5	758.5	763.4	768.4	773.4	779.4	785.4	791.5
20°	721.4	727.2	733.0	738.7	744.5	750.3	756.1	761.9	769.3	776.7	784.1
22.5°	700.2	707.4	714.6	721.7	728.9	736.1	743.3	750.5	759.9	769.3	778.6
25°	679.9	687.9	695.9	703.9	711.9	719.9	727.9	735.9	747.8	759.7	771.7
27.5°	658.1	667.1	676.1	685.2	694.2	703.2	712.3	721.3	735.8	750.3	764.7
30°	633.3	643.5	653.7	663.8	674.0	684.2	694.4	704.6	721.7	738.9	756.0
32.5°	606.9	618.4	630.0	641.6	653.2	664.7	676.3	687.9	707.8	727.7	747.7
35°	579.7	592.7	605.8	618.9	632.0	645.0	658.1	671.2	693.7	716.2	738.6
37.5°	552.9	567.7	582.5	597.4	612.2	627.0	641.9	656.7	681.8	706.9	732.1
40°	525.4	542.0	558.7	575.4	592.1	608.7	625.4	642.1	670.0	697.9	725.8
42.5°	496.4	515.2	534.1	553.0	571.9	590.7	609.6	628.5	659.2	689.9	720.6
45°	469.2	490.2	511.2	532.1	553.1	574.1	595.0	616.0	649.8	683.6	717.5
47.5°	441.1	464.2	487.2	510.3	533.3	556.4	579.4	602.5	639.9	677.3	714.7
50°	414.3	439.5	464.8	490.0	515.3	540.5	565.8	591.0	632.1	673.2	714.3
52.5°	388.2	415.5	442.8	470.2	497.5	524.8	552.2	579.5	624.8	670.1	715.4
55°	363.2	392.6	422.0	451.5	480.9	510.3	539.7	569.1	619.0	668.9	718.8
57.5°	338.4	370.0	401.6	433.3	464.9	496.5	528.1	559.7	614.5	669.3	724.0
60°	312.2	346.4	380.6	414.7	448.9	483.1	517.2	551.4	611.5	671.6	731.7
62.5°	289.5	325.9	362.3	398.6	435.0	471.4	507.7	544.1	609.3	674.5	739.7
65°	267.4	305.7	344.0	382.4	420.7	459.0	497.4	535.7	605.8	675.8	745.9
67.5°	244.8	284.9	325.0	365.0	405.1	445.2	485.2	525.3	600.0	674.7	749.4
70°	223.4	264.7	306.1	347.4	388.8	430.1	471.5	512.8	590.5	668.2	745.9
72.5°	201.3	243.5	285.8	328.1	370.4	412.6	454.9	497.2	576.3	655.4	734.5
75°	180.3	223.0	265.8	308.5	351.3	394.0	436.8	479.5	557.9	636.3	714.7
77.5°	160.0	202.5	245.0	287.6	330.1	372.6	415.1	457.6	533.6	609.5	685.5
80°	138.8	180.6	222.4	264.3	306.1	347.9	389.7	431.5	503.4	575.3	647.3
82.5°	119.7	160.2	200.7	241.3	281.8	322.3	362.9	403.4	470.3	537.3	604.2
85°	101.0	140.0	179.0	218.1	257.1	296.1	335.2	374.2	435.6	497.0	558.3
87.5°	83.5	120.6	157.6	194.7	231.7	268.8	305.8	342.9	398.5	454.1	509.7
90°	69.5	104.2	139.0	173.7	208.5	243.2	278.0	312.7	363.1	413.5	463.8
92.5°	64.4	96.6	128.8	161.0	193.2	225.4	257.6	289.8	335.5	381.3	427.0
95°	59.3	88.9	118.6	148.2	177.9	207.5	237.2	266.8	309.0	351.1	393.3
97.5°	54.0	81.0	108.0	134.9	161.9	188.9	215.9	242.9	282.3	321.6	361.0
100°	49.3	74.0	98.7	123.3	148.0	172.7	197.3	222.0	259.1	296.1	333.2
102.5°	44.9	67.4	89.9	112.3	134.8	157.3	179.7	202.2	237.3	272.4	307.5
105°	41.0	61.5	82.0	102.5	123.0	143.5	164.0	184.5	217.9	251.2	284.6
107.5°	37.3	55.9	74.6	93.2	111.9	130.5	149.2	167.8	200.1	232.4	264.7
110°	33.6	50.4	67.2	83.9	100.7	117.5	134.3	151.1	182.0	212.9	243.9



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	30.6	45.9	61.2	76.4	91.7	107.0	122.3	137.6	166.9	196.2	225.5
115°	28.6	42.4	56.2	69.9	83.7	97.5	111.3	125.1	153.0	180.9	208.8
117.5°	25.8	38.2	50.6	63.0	75.4	87.8	100.2	112.6	139.2	165.9	192.5
120°	23.5	34.7	45.9	57.2	68.4	79.6	90.9	102.1	126.9	151.7	176.5
122.5°	20.9	30.9	40.9	50.8	60.8	70.8	80.7	90.7	113.5	136.3	159.1
125°	18.4	27.1	35.8	44.4	53.1	61.8	70.5	79.2	100.4	121.6	142.8
127.5°	15.6	22.9	30.2	37.5	44.8	52.1	59.4	66.7	86.3	105.9	125.4
130°	12.8	18.7	24.6	30.6	36.5	42.4	48.3	54.2	71.8	89.4	107.0
132.5°	10.5	15.3	20.0	24.8	29.5	34.3	39.0	43.8	59.3	74.8	90.3
135°	8.2	11.8	15.4	19.0	22.6	26.2	29.8	33.4	47.1	60.7	74.4
137.5°	6.1	8.7	11.2	13.8	16.3	18.9	21.4	24.0	35.9	47.8	59.8
140°	4.5	6.2	8.0	9.7	11.5	13.2	15.0	16.7	26.9	37.1	47.3
142.5°	3.3	4.5	5.7	6.8	8.0	9.2	10.3	11.5	20.1	28.6	37.2
145°	2.4	3.1	3.8	4.5	5.2	5.9	6.6	7.3	14.2	21.2	28.1
147.5°	1.9	2.4	2.9	3.3	3.8	4.3	4.7	5.2	10.6	16.1	21.5
150°	1.7	2.1	2.4	2.8	3.1	3.5	3.8	4.2	8.1	12.1	16.0
152.5°	1.5	1.7	1.9	2.2	2.4	2.6	2.9	3.1	5.9	8.7	11.4
155°	1.2	1.4	1.5	1.6	1.7	1.9	2.0	2.1	3.7	5.3	7.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	2.9	3.8
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.7	2.1
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
165°	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	793.4	794.0	794.6	795.1	795.7	796.3	796.5	796.8	797.0	797.2	797.5
5°	799.3	800.6	801.9	803.1	804.4	805.7	806.4	807.1	807.8	808.5	809.2
7.5°	802.1	804.1	806.1	808.0	810.0	812.0	813.4	814.8	816.2	817.6	818.9
10°	802.7	805.6	808.5	811.4	814.3	817.2	819.4	821.6	823.8	826.0	828.2
12.5°	802.2	806.0	809.8	813.7	817.5	821.3	824.3	827.3	830.3	833.3	836.4
15°	800.7	805.5	810.2	815.0	819.7	824.5	828.4	832.4	836.3	840.2	844.2
17.5°	797.5	803.5	809.5	815.6	821.6	827.6	832.9	838.2	843.6	848.9	854.2
20°	791.5	799.0	806.4	813.8	821.2	828.6	836.1	843.7	851.2	858.7	866.3
22.5°	788.0	797.4	806.8	816.1	825.5	834.9	843.9	853.0	862.0	871.0	880.1
25°	783.6	795.5	807.4	819.4	831.3	843.2	853.5	863.8	874.1	884.4	894.8
27.5°	779.2	793.7	808.2	822.6	837.1	851.6	863.2	874.8	886.3	897.9	909.5
30°	773.2	790.3	807.5	824.6	841.8	858.9	872.0	885.1	898.1	911.2	924.3
32.5°	767.6	787.5	807.4	827.4	847.3	867.2	881.9	896.6	911.3	926.0	940.8
35°	761.1	783.6	806.1	828.5	851.0	873.5	890.5	907.5	924.6	941.6	958.6
37.5°	757.2	782.3	807.4	832.6	857.7	882.8	902.1	921.5	940.8	960.2	979.5
40°	753.7	781.7	809.6	837.5	865.4	893.3	915.5	937.8	960.0	982.2	1004.5
42.5°	751.3	781.9	812.6	843.3	874.0	904.7	930.5	956.4	982.2	1008.0	1033.9
45°	751.3	785.1	818.9	852.8	886.6	920.4	950.0	979.7	1009.3	1039.0	1068.6
47.5°	752.1	789.5	826.9	864.3	901.7	939.1	972.9	1006.7	1040.6	1074.4	1108.2
50°	755.4	796.6	837.7	878.8	919.9	961.0	1000.3	1039.5	1078.8	1118.0	1157.3
52.5°	760.7	805.9	851.2	896.5	941.8	987.1	1030.9	1074.7	1118.4	1162.2	1206.0
55°	768.7	818.7	868.6	918.5	968.4	1018.3	1067.3	1116.3	1165.3	1214.3	1263.2
57.5°	778.8	833.6	888.4	943.1	997.9	1052.7	1106.6	1160.4	1214.3	1268.1	1322.0
60°	791.8	851.9	912.0	972.1	1032.2	1092.3	1151.0	1209.7	1268.5	1327.2	1385.9
62.5°	804.9	870.1	935.3	1000.5	1065.7	1130.9	1192.5	1254.1	1315.7	1377.3	1439.0
65°	816.0	886.0	956.1	1026.2	1096.2	1166.3	1230.6	1294.9	1359.1	1423.4	1487.7
67.5°	824.1	898.8	973.5	1048.2	1122.9	1197.6	1262.7	1327.8	1392.9	1458.0	1523.0
70°	823.6	901.4	979.1	1056.8	1134.5	1212.2	1277.2	1342.1	1407.1	1472.1	1537.0
72.5°	813.6	892.7	971.8	1050.9	1130.0	1209.1	1272.6	1336.0	1399.5	1463.0	1526.4
75°	793.1	871.5	949.9	1028.3	1106.7	1185.1	1246.0	1306.9	1367.9	1428.8	1489.7
77.5°	761.5	837.4	913.4	989.4	1065.3	1141.3	1198.5	1255.7	1312.9	1370.1	1427.4
80°	719.2	791.1	863.0	935.0	1006.9	1078.8	1131.5	1184.2	1236.9	1289.6	1342.2
82.5°	671.1	738.1	805.0	871.9	938.9	1005.8	1053.6	1101.5	1149.3	1197.1	1245.0
85°	619.7	681.1	742.5	803.8	865.2	926.6	969.9	1013.2	1056.5	1099.8	1143.2
87.5°	565.3	620.8	676.4	732.0	787.6	843.2	881.9	920.6	959.3	998.0	1036.6
90°	514.2	564.6	615.0	665.3	715.7	766.1	801.1	836.1	871.0	906.0	941.0
92.5°	472.8	518.5	564.3	610.0	655.8	701.5	733.8	766.1	798.4	830.7	863.1
95°	435.4	477.6	519.7	561.9	604.0	646.2	676.7	707.1	737.6	768.1	798.5
97.5°	400.4	439.7	479.1	518.5	557.8	597.2	625.8	654.4	683.0	711.6	740.3
100°	370.2	407.3	444.3	481.4	518.4	555.5	583.2	610.9	638.6	666.3	693.9
102.5°	342.6	377.6	412.7	447.8	482.9	518.0	545.1	572.2	599.3	626.4	653.5
105°	317.9	351.3	384.6	418.0	451.3	484.7	511.3	538.0	564.6	591.2	617.9
107.5°	297.0	329.4	361.7	394.0	426.3	458.6	484.4	510.2	536.1	561.9	587.7
110°	274.8	305.7	336.6	367.6	398.5	429.4	454.9	480.4	505.8	531.3	556.8



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	254.8	284.1	313.4	342.7	372.0	401.3	426.2	451.1	476.0	500.9	525.8
115°	236.7	264.7	292.6	320.5	348.4	376.3	400.0	423.8	447.5	471.2	495.0
117.5°	219.1	245.8	272.4	299.0	325.7	352.3	375.0	397.7	420.4	443.1	465.8
120°	201.3	226.0	250.8	275.6	300.4	325.2	347.3	369.4	391.6	413.7	435.8
122.5°	181.9	204.8	227.6	250.4	273.2	296.0	317.8	339.6	361.3	383.1	404.9
125°	164.0	185.2	206.4	227.6	248.8	270.0	290.6	311.2	331.8	352.4	373.1
127.5°	145.0	164.6	184.2	203.7	223.3	242.9	261.9	280.9	299.9	318.9	337.8
130°	124.6	142.2	159.8	177.4	195.0	212.6	230.1	247.6	265.1	282.6	300.0
132.5°	105.8	121.4	136.9	152.4	167.9	183.4	200.0	216.5	233.1	249.7	266.2
135°	88.0	101.7	115.3	129.0	142.6	156.3	172.1	187.8	203.6	219.3	235.1
137.5°	71.7	83.6	95.5	107.5	119.4	131.3	145.8	160.3	174.7	189.2	203.7
140°	57.5	67.6	77.8	88.0	98.2	108.4	120.7	133.0	145.2	157.5	169.8
142.5°	45.8	54.3	62.9	71.5	80.0	88.6	99.0	109.4	119.9	130.3	140.7
145°	35.1	42.0	49.0	55.9	62.9	69.8	78.6	87.4	96.2	105.0	113.8
147.5°	27.0	32.4	37.9	43.3	48.8	54.2	61.5	68.8	76.1	83.4	90.7
150°	19.9	23.9	27.8	31.7	35.7	39.6	45.6	51.6	57.7	63.7	69.7
152.5°	14.2	17.0	19.8	22.5	25.3	28.1	32.7	37.4	42.0	46.6	51.3
155°	8.6	10.2	11.8	13.5	15.1	16.7	20.4	24.1	27.8	31.5	35.2
157.5°	4.7	5.7	6.6	7.5	8.5	9.4	11.9	14.5	17.0	19.6	22.1
160°	2.4	2.8	3.1	3.5	3.8	4.2	5.7	7.2	8.7	10.2	11.7
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.7	2.4	3.1	3.8	4.5
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7	781.7
2.5°	797.7	797.9	798.2	798.4	797.6	796.8	796.0	795.2	794.3	793.5	792.7
5°	809.9	810.6	811.3	812.0	811.8	811.5	811.3	811.1	810.8	810.6	810.4
7.5°	820.3	821.7	823.1	824.5	824.6	824.7	824.8	824.9	825.1	825.2	825.3
10°	830.4	832.6	834.8	837.0	837.2	837.5	837.7	837.9	838.2	838.4	838.6
12.5°	839.4	842.4	845.4	848.4	849.0	849.6	850.1	850.7	851.3	851.9	852.4
15°	848.1	852.0	856.0	859.9	861.1	862.2	863.4	864.5	865.7	866.8	868.0
17.5°	859.5	864.9	870.2	875.5	877.5	879.5	881.4	883.4	885.4	887.4	889.3
20°	873.8	881.3	888.9	896.4	898.8	901.3	903.7	906.1	908.6	911.0	913.4
22.5°	889.1	898.1	907.2	916.2	919.0	921.8	924.5	927.3	930.1	932.9	935.6
25°	905.1	915.4	925.7	936.0	939.2	942.5	945.7	949.0	952.2	955.5	958.7
27.5°	921.1	932.6	944.2	955.8	959.9	963.9	968.0	972.0	976.1	980.1	984.2
30°	937.4	950.4	963.5	976.6	981.5	986.3	991.2	996.1	1000.9	1005.8	1010.7
32.5°	955.5	970.2	984.9	999.6	1005.3	1010.9	1016.6	1022.3	1027.9	1033.6	1039.3
35°	975.6	992.7	1009.7	1026.7	1033.5	1040.4	1047.2	1054.0	1060.9	1067.7	1074.5
37.5°	998.9	1018.2	1037.6	1056.9	1065.4	1073.8	1082.3	1090.7	1099.2	1107.6	1116.1
40°	1026.7	1048.9	1071.2	1093.4	1103.5	1113.6	1123.6	1133.7	1143.8	1153.9	1163.9
42.5°	1059.7	1085.5	1111.4	1137.2	1148.8	1160.4	1171.9	1183.5	1195.1	1206.7	1218.2
45°	1098.3	1127.9	1157.6	1187.2	1200.5	1213.8	1227.2	1240.5	1253.8	1267.1	1280.5
47.5°	1142.0	1175.9	1209.7	1243.5	1259.2	1275.0	1290.7	1306.5	1322.2	1338.0	1353.7
50°	1196.5	1235.8	1275.0	1314.3	1331.6	1348.8	1366.1	1383.4	1400.6	1417.9	1435.2
52.5°	1249.8	1293.5	1337.3	1381.1	1400.8	1420.5	1440.1	1459.8	1479.5	1499.2	1518.8
55°	1312.2	1361.2	1410.2	1459.2	1480.4	1501.6	1522.8	1544.0	1565.2	1586.4	1607.6
57.5°	1375.8	1429.7	1483.5	1537.4	1560.0	1582.6	1605.2	1627.8	1650.3	1672.9	1695.5
60°	1444.6	1503.4	1562.1	1620.8	1643.3	1665.7	1688.2	1710.7	1733.1	1755.6	1778.1
62.5°	1500.6	1562.2	1623.8	1685.4	1708.4	1731.5	1754.5	1777.6	1800.6	1823.7	1846.7
65°	1552.0	1616.2	1680.5	1744.8	1766.9	1789.0	1811.2	1833.3	1855.4	1877.5	1899.7
67.5°	1588.1	1653.2	1718.3	1783.4	1804.7	1826.0	1847.3	1868.6	1890.0	1911.3	1932.6
70°	1602.0	1667.0	1731.9	1796.9	1816.8	1836.7	1856.7	1876.6	1896.5	1916.4	1936.4
72.5°	1589.9	1653.4	1716.8	1780.3	1799.4	1818.5	1837.6	1856.7	1875.8	1894.9	1914.0
75°	1550.6	1611.6	1672.5	1733.4	1751.5	1769.5	1787.6	1805.7	1823.7	1841.8	1859.9
77.5°	1484.6	1541.8	1599.0	1656.2	1673.3	1690.5	1707.6	1724.8	1741.9	1759.1	1776.2
80°	1394.9	1447.6	1500.3	1553.0	1569.4	1585.9	1602.3	1618.8	1635.2	1651.7	1668.1
82.5°	1292.8	1340.6	1388.5	1436.3	1451.9	1467.6	1483.2	1498.8	1514.5	1530.1	1545.7
85°	1186.5	1229.8	1273.1	1316.4	1330.6	1344.9	1359.1	1373.4	1387.6	1401.9	1416.1
87.5°	1075.3	1114.0	1152.7	1191.4	1205.3	1219.2	1233.1	1247.0	1260.8	1274.7	1288.6
90°	976.0	1010.9	1045.9	1080.9	1094.1	1107.3	1120.5	1133.7	1146.9	1160.1	1173.3
92.5°	895.4	927.7	960.0	992.3	1004.5	1016.6	1028.8	1040.9	1053.1	1065.2	1077.4
95°	829.0	859.5	889.9	920.4	931.5	942.6	953.7	964.8	976.0	987.1	998.2
97.5°	768.9	797.5	826.1	854.7	865.6	876.5	887.4	898.3	909.1	920.0	930.9
100°	721.6	749.3	777.0	804.7	815.2	825.8	836.3	846.8	857.4	867.9	878.4
102.5°	680.6	707.7	734.8	761.9	772.2	782.5	792.8	803.1	813.5	823.8	834.1
105°	644.5	671.1	697.8	724.4	734.7	745.0	755.3	765.6	776.0	786.3	796.6
107.5°	613.5	639.4	665.2	691.0	701.2	711.4	721.6	731.8	742.0	752.2	762.4
110°	582.3	607.7	633.2	658.7	668.7	678.6	688.6	698.6	708.5	718.5	728.5



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	550.7	575.6	600.5	625.4	635.4	645.3	655.3	665.2	675.2	685.1	695.1
115°	518.7	542.4	566.2	589.9	599.7	609.6	619.4	629.3	639.1	649.0	658.8
117.5°	488.5	511.2	533.9	556.6	565.9	575.1	584.4	593.7	602.9	612.2	621.5
120°	457.9	480.1	502.2	524.3	533.1	541.9	550.7	559.5	568.3	577.1	585.9
122.5°	426.7	448.4	470.2	492.0	500.6	509.1	517.7	526.3	534.8	543.4	552.0
125°	393.7	414.3	434.9	455.5	464.2	472.9	481.6	490.3	498.9	507.6	516.3
127.5°	356.8	375.8	394.8	413.8	422.4	430.9	439.5	448.1	456.6	465.2	473.8
130°	317.5	335.0	352.5	370.0	377.8	385.5	393.3	401.1	408.8	416.6	424.4
132.5°	282.8	299.4	315.9	332.5	339.0	345.5	352.0	358.5	364.9	371.4	377.9
135°	250.8	266.6	282.3	298.1	303.7	309.2	314.8	320.3	325.9	331.4	337.0
137.5°	218.2	232.6	247.1	261.6	267.0	272.5	277.9	283.4	288.8	294.3	299.7
140°	182.1	194.3	206.6	218.9	224.9	230.9	237.0	243.0	249.0	255.0	261.1
142.5°	151.1	161.6	172.0	182.4	188.1	193.8	199.4	205.1	210.8	216.5	222.1
145°	122.6	131.4	140.2	149.0	154.7	160.4	166.0	171.7	177.4	183.1	188.7
147.5°	98.0	105.3	112.6	119.9	125.3	130.8	136.2	141.7	147.1	152.6	158.0
150°	75.7	81.8	87.8	93.8	98.9	104.0	109.1	114.2	119.3	124.4	129.5
152.5°	55.9	60.5	65.2	69.8	74.7	79.5	84.4	89.3	94.1	99.0	103.9
155°	38.9	42.6	46.3	50.0	54.3	58.6	62.9	67.2	71.4	75.7	80.0
157.5°	24.7	27.2	29.8	32.3	35.9	39.5	43.1	46.7	50.2	53.8	57.4
160°	13.2	14.7	16.2	17.7	20.6	23.5	26.4	29.3	32.2	35.1	38.0
162.5°	5.2	5.9	6.6	7.3	9.2	11.0	12.9	14.7	16.6	18.4	20.3
165°	0.7	0.8	0.9	1.0	2.0	3.1	4.1	5.2	6.2	7.3	8.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	781.7	781.7
2.5°	791.9	791.1
5°	810.1	809.9
7.5°	825.4	825.5
10°	838.9	839.1
12.5°	853.0	853.6
15°	869.1	870.3
17.5°	891.3	893.3
20°	915.9	918.3
22.5°	938.4	941.2
25°	962.0	965.2
27.5°	988.2	992.3
30°	1015.5	1020.4
32.5°	1044.9	1050.6
35°	1081.4	1088.2
37.5°	1124.5	1133.0
40°	1174.0	1184.1
42.5°	1229.8	1241.4
45°	1293.8	1307.1
47.5°	1369.5	1385.2
50°	1452.4	1469.7
52.5°	1538.5	1558.2
55°	1628.8	1650.0
57.5°	1718.1	1740.7
60°	1800.5	1823.0
62.5°	1869.8	1892.8
65°	1921.8	1943.9
67.5°	1953.9	1975.2
70°	1956.3	1976.2
72.5°	1933.1	1952.2
75°	1877.9	1896.0
77.5°	1793.4	1810.5
80°	1684.6	1701.0
82.5°	1561.4	1577.0
85°	1430.4	1444.6
87.5°	1302.5	1316.4
90°	1186.5	1199.7
92.5°	1089.5	1101.7
95°	1009.3	1020.4
97.5°	941.8	952.7
100°	889.0	899.5
102.5°	844.4	854.7
105°	806.9	817.2
107.5°	772.6	782.8
110°	738.4	748.4



TEST NUMBER: P201341

CATALOG NUMBER: 4LBLED-LD4-6-ASYMF-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	705.0	715.0
115°	668.7	678.5
117.5°	630.7	640.0
120°	594.7	603.5
122.5°	560.5	569.1
125°	525.0	533.7
127.5°	482.3	490.9
130°	432.1	439.9
132.5°	384.4	390.9
135°	342.5	348.1
137.5°	305.2	310.6
140°	267.1	273.1
142.5°	227.8	233.5
145°	194.4	200.1
147.5°	163.5	168.9
150°	134.6	139.7
152.5°	108.7	113.6
155°	84.3	88.6
157.5°	61.0	64.6
160°	40.9	43.8
162.5°	22.1	24.0
165°	9.4	10.4
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)