

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: HALO

Report Number: P640159

Luminaire Tested: LCR630RD9FSE010-42W-5000K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2208386B001)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: LCR630RD9FSE010-42W-5000K
Description: LCR 6
Light Source: 5000K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

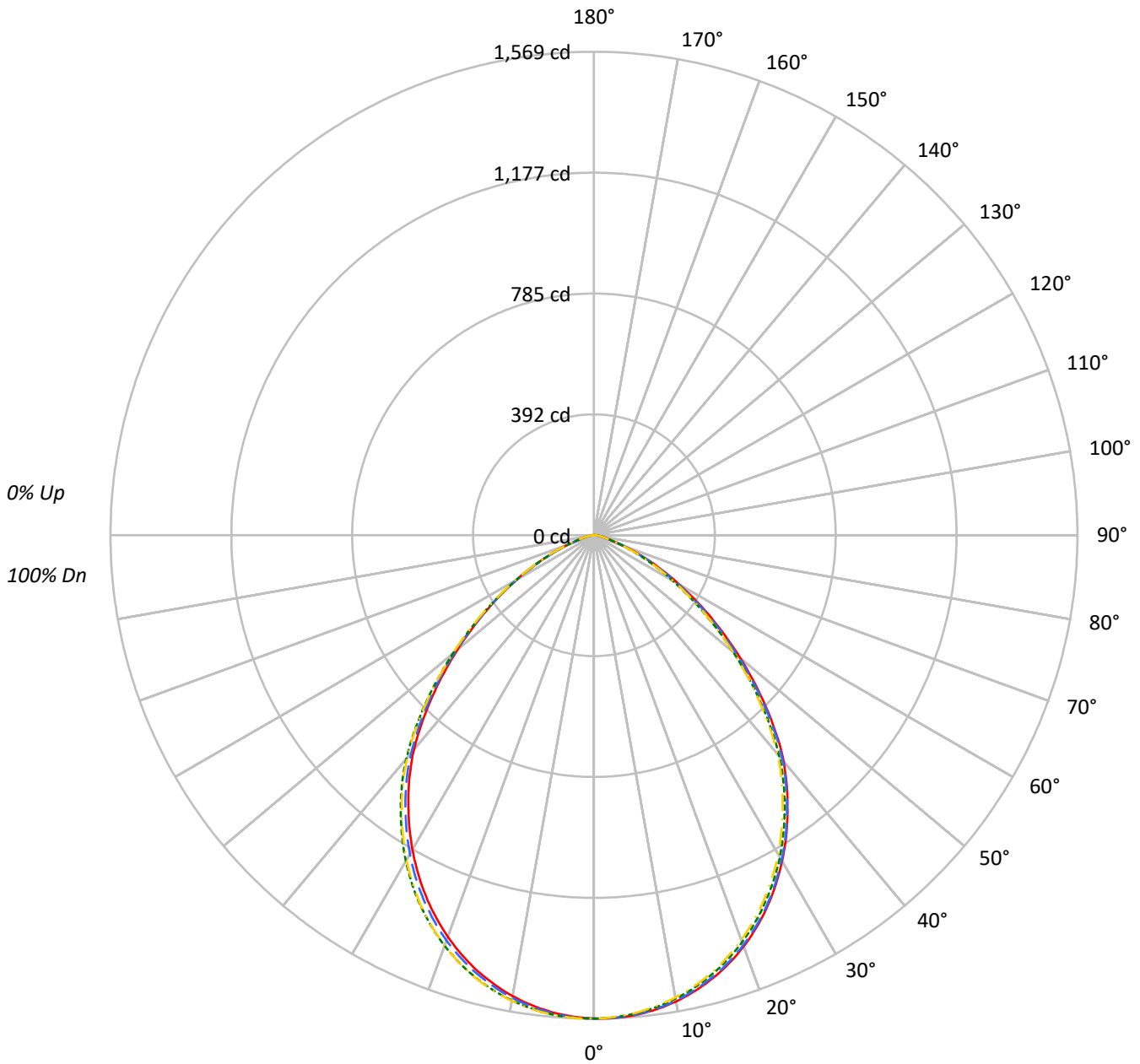
Lumens per Lamp: N/A
Luminaire Lumens: 3080.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 32.5
Input Voltage (V): 120
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: 24 FT



TEST NUMBER: P640159
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77	77	
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68	68	
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60	60	
5	82	70	63	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53	53	
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47	47	
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	42	
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38	38	
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	34	32	32	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	85996	85996	85996	85996
5°	86000	85703	85499	85890
10°	85508	84991	84534	85336
15°	84490	83775	83031	84314
20°	82841	81989	80898	82701
25°	80491	79523	78089	80382
30°	77328	76347	74549	77278
35°	73321	72230	70263	73127
40°	68500	66918	65036	67770
45°	61285	59115	57541	60022
50°	52885	50301	49312	50941
55°	44127	41251	40782	41595
60°	35063	32377	32048	32234
65°	26112	23894	23141	23025
70°	16974	15996	14442	14377
75°	9786	10252	8599	9023
80°	8366	8840	7198	7671
85°	6604	7737	4780	5724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61285 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	4.8
10°-20°	416.3	13.5
20°-30°	605.0	19.6
30°-40°	672.9	21.8
40°-50°	590.0	19.2
50°-60°	393.4	12.8
60°-70°	186.6	6.1
70°-80°	53.7	1.7
80°-90°	11.8	0.4
90°-100°	0.1	0.0
100°-110°	0.2	0.0
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	1169.1	38.0
0°-40°	1842.0	59.8
0°-60°	2825.4	91.7
0°-90°	3077.6	99.9
90°-120°	0.5	0.0
90°-150°	1.7	0.1
90°-180°	2.0	0.1
0°-180°	3080.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1569	1569	1569	1569	1569	
5°	1563	1557	1554	1561	1563	148
15°	1489	1476	1463	1486	1489	419
25°	1331	1315	1291	1329	1331	611
35°	1096	1079	1050	1093	1096	684
45°	790	762	742	774	790	608
55°	462	432	427	435	462	414
65°	201	184	178	178	201	202
75°	46	48	41	43	46	57
85°	10	12	8	9	10	12
90°	0	0	0	0	0	1
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	1	0	0	1	1	0
145°	1	1	1	1	1	0
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1568.7	1568.7	1568.7	1568.7	1568.7	1568.7	1568.7	1568.7	1568.7	1568.7	1568.7
0.5°	1568.9	1569.1	1568.8	1568.6	1568.4	1568.5	1568.1	1568.1	1568.0	1568.5	1568.5
1°	1568.8	1569.0	1568.8	1568.2	1568.1	1568.0	1567.4	1567.3	1567.3	1567.7	1567.9
1.5°	1568.7	1569.1	1568.6	1567.9	1567.3	1567.2	1566.8	1566.1	1566.2	1566.8	1567.0
2°	1568.6	1568.6	1568.3	1567.5	1566.7	1566.5	1565.7	1565.0	1565.2	1565.6	1566.3
2.5°	1568.0	1568.1	1567.6	1566.4	1565.6	1565.2	1564.5	1563.6	1563.6	1564.8	1565.3
3°	1567.2	1567.8	1566.8	1565.7	1564.5	1563.6	1563.2	1562.2	1562.1	1563.0	1564.4
3.5°	1566.5	1566.1	1565.8	1564.6	1562.9	1562.3	1561.9	1560.0	1560.2	1561.3	1562.8
4°	1565.2	1565.1	1564.2	1563.1	1561.4	1560.6	1559.8	1558.1	1558.3	1559.4	1560.8
4.5°	1564.2	1563.8	1562.8	1561.7	1559.3	1558.6	1558.0	1556.0	1556.1	1557.6	1558.8
5°	1562.8	1562.2	1561.1	1559.8	1557.4	1556.6	1555.9	1553.7	1553.7	1554.7	1556.5
5.5°	1560.9	1560.5	1559.3	1557.7	1555.3	1554.2	1553.3	1551.1	1551.0	1552.8	1554.3
6°	1559.0	1558.3	1557.2	1555.6	1552.8	1551.6	1550.8	1548.2	1548.3	1550.2	1551.8
6.5°	1556.7	1555.7	1554.9	1553.2	1550.1	1549.1	1548.0	1545.5	1545.5	1547.3	1549.1
7°	1554.5	1553.6	1552.5	1550.7	1547.4	1546.3	1544.8	1541.9	1542.0	1543.9	1546.3
7.5°	1551.9	1551.1	1549.9	1547.8	1544.7	1543.2	1541.3	1538.8	1538.5	1540.8	1543.0
8°	1549.1	1547.6	1547.0	1544.9	1541.4	1540.2	1538.4	1535.0	1535.1	1537.0	1539.7
8.5°	1546.4	1545.4	1543.9	1541.8	1538.3	1536.7	1534.7	1531.4	1531.4	1533.4	1536.3
9°	1543.0	1542.0	1540.6	1538.3	1534.5	1533.2	1531.0	1527.2	1527.2	1529.6	1532.8
9.5°	1539.6	1538.3	1537.1	1534.9	1530.9	1529.1	1527.3	1523.0	1523.1	1525.6	1528.6
10°	1536.1	1534.8	1533.2	1531.0	1526.8	1525.1	1523.1	1518.6	1518.6	1521.2	1524.4
10.5°	1532.4	1531.2	1529.5	1527.2	1522.7	1520.8	1518.7	1513.8	1514.2	1516.8	1520.3
11°	1528.5	1526.9	1525.2	1523.2	1518.4	1516.3	1514.2	1508.7	1509.1	1511.9	1515.7
11.5°	1524.3	1522.6	1521.0	1518.4	1513.7	1511.5	1509.5	1503.8	1503.8	1506.9	1510.9
12°	1519.6	1517.8	1516.3	1513.8	1509.0	1506.8	1504.5	1498.5	1498.8	1501.7	1505.9
12.5°	1514.8	1513.9	1511.6	1509.3	1504.1	1501.8	1499.2	1493.2	1493.5	1496.6	1500.8
13°	1510.2	1508.3	1506.4	1504.3	1499.0	1496.5	1494.1	1487.7	1487.6	1490.9	1495.4
13.5°	1505.2	1503.6	1501.4	1499.2	1493.7	1490.9	1488.4	1481.7	1481.8	1485.4	1489.9
14°	1500.1	1498.0	1496.2	1493.8	1488.0	1485.3	1482.7	1475.5	1475.5	1479.4	1484.0
14.5°	1494.6	1492.5	1490.6	1488.2	1482.3	1479.6	1476.5	1469.1	1469.3	1473.1	1478.2
15°	1488.7	1486.5	1485.0	1482.5	1476.1	1473.4	1470.3	1462.8	1463.0	1467.3	1472.0
15.5°	1482.7	1481.4	1478.8	1476.4	1470.0	1467.2	1464.2	1456.2	1456.3	1460.1	1465.7
16°	1476.7	1475.2	1472.7	1470.2	1463.5	1460.9	1457.6	1449.4	1449.2	1453.3	1458.9
16.5°	1470.2	1468.3	1466.6	1464.0	1457.2	1454.2	1450.7	1442.1	1442.3	1446.4	1452.3
17°	1463.8	1462.0	1459.8	1457.3	1450.5	1447.2	1443.6	1434.9	1434.9	1439.3	1445.0
17.5°	1457.0	1455.8	1452.9	1450.8	1443.5	1440.0	1436.3	1427.4	1427.5	1432.0	1437.9
18°	1450.0	1448.4	1446.2	1443.8	1436.1	1433.0	1429.0	1419.6	1419.6	1423.9	1430.6
18.5°	1442.9	1442.3	1438.8	1436.3	1428.8	1425.5	1421.5	1411.8	1411.4	1416.3	1423.0
19°	1435.5	1434.0	1431.2	1429.0	1421.2	1417.8	1413.5	1403.8	1403.3	1408.0	1415.0
19.5°	1427.9	1426.4	1423.8	1421.3	1413.6	1409.9	1405.9	1395.6	1395.2	1400.5	1407.4
20°	1420.0	1417.9	1415.7	1413.6	1405.4	1402.0	1397.5	1387.2	1386.7	1392.0	1399.1
20.5°	1412.2	1410.2	1407.9	1405.6	1397.2	1393.9	1389.1	1378.4	1377.9	1383.5	1390.8
21°	1404.0	1401.5	1399.5	1397.7	1389.0	1385.4	1380.5	1369.4	1369.0	1374.4	1382.0
21.5°	1395.4	1393.6	1391.2	1388.9	1380.5	1376.5	1371.7	1360.5	1360.2	1365.3	1373.1
22°	1386.7	1384.9	1382.6	1380.1	1371.7	1368.0	1363.3	1351.2	1350.8	1356.2	1364.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1377.9	1375.5	1373.8	1371.5	1362.7	1358.8	1353.4	1341.6	1341.3	1347.0	1355.1
23°	1368.9	1366.5	1364.6	1362.6	1353.5	1349.5	1344.2	1332.2	1331.7	1337.2	1345.7
23.5°	1359.7	1357.0	1355.7	1353.5	1344.1	1340.0	1335.0	1322.3	1321.9	1327.4	1335.9
24°	1350.0	1345.9	1346.1	1343.8	1334.8	1330.6	1325.4	1312.1	1311.6	1317.5	1325.9
24.5°	1340.3	1336.7	1336.5	1334.2	1324.7	1320.7	1315.2	1302.2	1301.7	1307.4	1316.4
25°	1330.7	1329.8	1326.3	1324.4	1314.7	1310.7	1305.1	1291.8	1291.0	1297.1	1306.1
25.5°	1320.5	1318.7	1316.3	1314.3	1304.9	1300.7	1294.8	1281.4	1280.7	1286.7	1295.8
26°	1309.9	1308.1	1306.3	1304.2	1294.5	1290.1	1284.7	1270.8	1269.8	1275.7	1285.2
26.5°	1299.8	1297.8	1295.9	1293.9	1284.3	1279.7	1273.7	1259.6	1259.0	1265.1	1274.7
27°	1289.2	1286.7	1285.3	1283.3	1273.5	1269.0	1263.4	1248.7	1247.8	1254.1	1263.9
27.5°	1278.3	1275.9	1274.7	1272.7	1262.6	1258.3	1252.4	1237.5	1236.7	1242.4	1252.7
28°	1267.4	1265.0	1263.6	1261.8	1251.8	1247.1	1241.5	1226.1	1225.0	1231.3	1241.4
28.5°	1256.0	1254.0	1252.5	1250.5	1240.7	1235.9	1229.9	1214.7	1213.6	1220.5	1229.8
29°	1244.6	1242.4	1241.4	1239.4	1229.4	1224.7	1218.7	1202.7	1201.8	1208.2	1218.4
29.5°	1233.2	1231.0	1229.7	1228.2	1217.7	1213.1	1207.1	1191.0	1189.8	1196.4	1206.7
30°	1221.6	1219.2	1218.0	1216.4	1206.1	1201.6	1195.3	1178.8	1177.7	1184.0	1194.5
30.5°	1209.7	1207.5	1206.2	1204.9	1193.9	1189.5	1183.2	1166.7	1165.8	1172.1	1182.4
31°	1197.4	1195.6	1193.8	1192.3	1182.1	1177.5	1171.3	1154.0	1153.2	1159.8	1170.0
31.5°	1185.2	1182.9	1181.6	1180.2	1169.8	1165.1	1158.5	1141.9	1140.8	1147.3	1157.5
32°	1173.0	1170.7	1169.8	1168.1	1157.5	1152.8	1146.1	1128.9	1127.9	1134.9	1144.9
32.5°	1160.5	1158.1	1156.9	1155.5	1144.5	1140.3	1133.3	1116.3	1115.4	1121.9	1132.4
33°	1147.8	1145.6	1144.5	1143.2	1131.7	1127.3	1120.7	1103.3	1102.4	1109.0	1119.4
33.5°	1134.9	1132.4	1131.1	1129.8	1118.7	1113.9	1107.7	1090.0	1089.5	1096.1	1106.0
34°	1121.8	1119.5	1118.5	1116.9	1105.9	1101.3	1094.8	1077.1	1076.4	1083.0	1093.4
34.5°	1108.7	1106.7	1105.3	1104.0	1092.4	1087.8	1081.1	1063.9	1063.4	1069.8	1079.8
35°	1095.6	1093.5	1092.0	1090.6	1079.3	1074.5	1067.9	1050.6	1049.9	1056.3	1066.7
35.5°	1082.0	1080.1	1078.6	1076.6	1065.5	1061.1	1054.3	1037.1	1036.9	1043.4	1053.2
36°	1068.6	1066.9	1065.1	1063.1	1051.8	1047.5	1041.4	1023.8	1023.4	1030.1	1039.8
36.5°	1055.3	1053.1	1051.3	1049.4	1038.0	1033.4	1027.5	1010.1	1009.7	1016.2	1025.8
37°	1041.8	1039.7	1037.5	1035.6	1023.9	1019.3	1013.5	996.3	995.9	1002.3	1012.0
37.5°	1028.0	1025.8	1023.9	1021.6	1010.0	1005.4	999.8	982.3	981.7	987.8	998.0
38°	1014.2	1012.2	1010.0	1008.0	995.8	991.5	986.1	968.5	967.5	974.3	983.9
38.5°	999.8	997.5	995.6	993.5	981.7	977.0	971.6	954.0	953.7	960.0	968.8
39°	985.6	983.5	981.4	979.1	966.6	962.2	957.1	939.4	939.7	945.8	953.9
39.5°	971.7	969.5	967.6	964.8	951.2	946.8	941.7	923.9	924.6	930.1	938.0
40°	957.2	955.0	952.1	949.2	935.1	930.8	926.2	907.9	908.8	914.4	921.9
40.5°	942.2	939.9	936.2	933.0	919.0	914.3	909.4	891.8	892.7	898.3	905.3
41°	926.4	924.2	920.3	916.4	902.0	897.5	892.8	875.0	876.5	881.9	889.3
41.5°	910.1	907.8	903.7	899.7	885.1	880.8	876.1	858.2	860.0	865.9	872.5
42°	893.5	891.1	887.0	882.8	867.7	863.6	859.3	841.6	843.2	849.2	856.1
42.5°	876.7	874.4	869.8	865.7	850.6	846.5	842.4	824.8	826.5	832.1	839.2
43°	859.5	857.5	852.8	848.5	833.1	829.2	825.2	807.3	809.5	815.2	822.1
43.5°	842.4	840.1	835.7	830.8	815.6	811.5	808.0	790.4	792.7	798.5	804.9
44°	825.3	822.9	818.5	813.2	797.6	794.1	790.8	773.7	775.7	782.1	788.2
44.5°	808.0	805.4	801.0	795.4	780.1	776.9	773.7	756.9	759.1	764.7	770.8



TEST NUMBER: P640159

CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	790.5	788.2	782.8	778.0	762.5	759.5	756.8	740.0	742.2	748.2	754.1
45.5°	773.6	771.0	766.0	760.0	745.1	742.3	739.6	723.4	725.6	731.7	737.1
46°	756.0	753.7	748.5	742.5	727.8	725.1	722.8	706.8	709.1	715.3	720.3
46.5°	739.0	736.5	731.2	724.9	710.5	707.9	706.0	690.3	692.5	698.8	703.5
47°	721.5	718.8	713.0	707.0	693.2	690.7	689.2	673.7	676.0	682.3	686.7
47.5°	704.6	701.8	696.0	689.5	675.8	673.5	672.3	657.1	659.5	665.9	669.9
48°	687.4	684.7	678.8	672.0	658.5	656.3	655.5	640.4	643.3	648.9	653.4
48.5°	670.3	667.9	661.7	654.8	641.0	639.4	638.8	624.1	626.9	632.4	636.4
49°	653.3	650.7	643.9	637.8	623.7	622.2	622.2	608.2	610.8	615.8	619.5
49.5°	637.0	634.2	627.6	620.7	606.7	605.7	605.6	591.7	594.5	599.3	602.9
50°	620.1	617.6	610.8	603.8	589.8	588.8	588.7	575.7	578.2	583.0	586.4
50.5°	603.7	600.9	593.8	586.5	573.4	572.3	572.9	559.4	562.4	566.8	569.6
51°	586.8	584.2	576.9	569.9	556.4	555.6	556.5	544.2	546.8	551.2	553.5
51.5°	571.0	568.1	560.7	553.5	540.0	539.9	540.7	528.4	531.3	535.3	537.4
52°	554.7	552.1	544.6	537.3	523.9	523.6	525.0	512.9	515.8	519.3	521.2
52.5°	538.9	536.3	528.5	521.1	508.2	507.8	509.0	497.6	500.2	503.6	505.3
53°	523.1	520.1	512.8	505.1	492.2	491.8	493.5	482.8	485.6	488.2	489.7
53.5°	507.4	504.6	497.1	489.2	476.5	476.6	478.3	467.3	470.4	473.2	473.9
54°	491.8	489.2	481.6	473.6	461.1	460.9	463.3	452.9	455.6	457.8	458.5
54.5°	476.7	473.9	466.0	458.5	446.2	445.9	448.5	438.3	440.9	443.2	443.3
55°	461.7	458.7	451.1	443.0	431.6	431.3	433.7	423.8	426.7	428.4	428.2
55.5°	446.9	444.2	436.3	428.4	416.6	416.6	419.0	409.3	412.1	414.0	413.5
56°	431.8	429.2	421.8	413.8	402.3	402.1	404.7	395.3	398.1	399.5	398.6
56.5°	417.5	414.8	407.3	399.4	388.1	387.9	390.8	381.4	384.2	385.3	384.1
57°	403.3	400.2	392.8	384.9	374.2	374.1	376.7	367.9	370.5	371.1	370.0
57.5°	388.8	386.4	378.6	371.2	360.5	360.6	363.0	354.3	357.1	357.5	355.8
58°	374.7	372.2	364.8	357.4	346.8	346.9	349.6	341.1	343.8	344.1	342.0
58.5°	361.3	358.7	351.5	344.1	333.7	333.8	336.6	328.0	330.5	330.7	328.5
59°	347.6	345.3	338.4	330.7	320.8	320.8	323.6	315.2	317.6	317.5	315.1
59.5°	332.5	334.5	325.6	318.0	308.0	308.1	310.9	302.5	304.6	304.6	301.9
60°	319.8	321.1	312.8	310.6	295.3	295.5	298.0	290.0	292.3	291.7	289.0
60.5°	307.4	307.6	300.0	297.0	283.2	283.3	285.7	277.8	279.9	279.5	276.2
61°	294.9	294.1	287.2	283.5	271.3	271.4	273.7	265.8	268.0	267.0	263.8
61.5°	282.4	280.7	274.5	270.0	259.6	259.6	261.9	254.2	256.0	255.0	251.7
62°	270.5	268.6	262.6	256.4	248.0	248.2	250.2	242.6	244.3	243.1	239.9
62.5°	258.2	256.7	250.8	245.2	236.8	237.0	239.0	231.1	232.4	231.4	228.0
63°	246.3	244.9	239.3	234.0	225.6	225.7	227.6	219.9	221.2	219.9	216.4
63.5°	234.7	233.3	228.1	223.0	214.9	215.0	216.7	209.1	210.3	208.8	205.5
64°	223.4	221.9	217.2	212.3	204.4	204.5	206.3	198.5	199.5	198.0	194.7
64.5°	212.0	210.9	206.6	201.8	194.1	194.3	195.7	188.2	188.7	187.3	184.2
65°	201.3	200.2	196.0	191.8	184.2	184.4	185.7	178.1	178.4	176.8	173.8
65.5°	190.5	189.8	186.0	181.8	174.6	174.7	175.8	167.9	168.3	166.9	163.7
66°	180.1	179.4	176.1	172.2	165.1	165.1	166.1	158.3	158.5	156.9	153.9
66.5°	169.8	169.3	166.4	162.7	155.7	155.9	156.9	149.0	148.8	147.4	144.6
67°	159.9	159.6	157.1	153.7	146.9	147.1	147.8	140.0	139.5	138.2	135.5



TEST NUMBER: P640159

CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	150.4	150.2	148.0	144.9	138.3	138.5	139.0	131.3	130.4	129.3	126.7
68°	140.8	141.1	139.2	136.3	130.1	130.2	130.6	122.6	121.7	120.5	118.1
68.5°	131.8	132.2	130.8	128.1	122.1	122.0	122.4	114.6	113.1	112.3	110.0
69°	122.9	123.7	122.5	120.2	114.3	114.3	114.6	106.7	104.7	104.2	102.3
69.5°	114.0	115.4	114.7	112.5	106.9	106.8	106.9	99.1	96.7	96.4	94.9
70°	105.9	107.5	107.0	105.2	99.8	99.8	99.7	92.2	90.1	90.0	88.6
70.5°	97.8	100.0	99.8	98.1	93.2	93.0	92.9	85.9	83.4	83.5	82.4
71°	90.1	92.6	92.9	91.4	87.5	87.1	86.8	79.6	76.8	77.1	76.1
71.5°	82.8	85.6	86.3	85.0	81.8	81.1	80.7	73.3	70.1	70.6	69.8
72°	76.2	79.0	79.9	79.0	76.0	75.1	74.6	67.0	63.5	64.2	63.6
72.5°	69.9	72.8	74.0	73.4	70.3	69.2	68.5	61.6	58.4	59.1	58.5
73°	64.2	67.3	68.6	67.9	64.6	64.3	63.4	56.7	53.6	54.4	53.9
73.5°	58.9	62.1	63.4	63.0	60.0	59.6	58.5	52.5	49.4	50.2	50.0
74°	54.3	57.3	58.6	58.4	55.9	55.4	54.3	48.5	45.5	46.5	46.2
74.5°	50.1	52.9	54.2	54.2	52.1	51.6	50.3	44.9	43.1	43.1	43.2
75°	46.2	49.0	50.1	50.4	48.4	47.9	46.8	41.8	40.6	40.6	41.0
75.5°	43.3	45.5	46.6	46.9	45.1	44.6	44.0	39.7	38.7	38.7	39.1
76°	41.3	42.4	43.5	43.8	42.6	42.2	41.2	37.8	36.8	36.8	37.2
76.5°	39.0	39.8	41.1	41.6	40.6	40.3	39.4	36.0	35.0	34.9	35.3
77°	37.1	38.0	39.2	39.7	38.7	38.4	37.6	34.2	33.1	33.1	33.5
77.5°	35.3	36.1	37.4	37.8	36.9	36.6	35.8	32.4	31.3	31.3	31.7
78°	33.5	34.3	35.6	36.0	35.1	34.7	34.0	30.5	29.6	29.5	29.9
78.5°	31.7	32.6	33.6	34.2	33.2	32.9	32.2	28.8	27.8	27.7	28.1
79°	30.0	30.8	31.9	32.5	31.5	31.2	30.4	27.1	26.1	26.0	26.4
79.5°	28.2	29.1	30.2	30.8	29.7	29.5	28.6	25.4	24.4	24.3	24.8
80°	26.5	27.3	28.6	29.0	28.0	27.7	26.8	23.7	22.8	22.7	23.1
80.5°	24.7	25.6	26.9	27.3	26.4	26.1	25.1	22.0	21.1	21.0	21.5
81°	23.1	24.0	25.2	25.6	24.7	24.5	23.5	20.4	19.5	19.4	19.9
81.5°	21.4	22.3	23.5	24.0	23.1	22.8	21.9	18.8	17.9	17.8	18.3
82°	19.8	20.6	21.9	22.4	21.4	21.2	20.3	17.2	16.3	16.2	16.8
82.5°	18.2	19.0	20.3	20.8	19.9	19.6	18.7	15.6	14.7	14.6	15.3
83°	16.6	17.4	18.7	19.2	18.3	18.1	17.2	14.0	13.2	13.1	13.8
83.5°	15.0	15.8	17.2	17.6	16.8	16.5	15.7	12.5	11.7	11.6	12.4
84°	13.5	14.2	15.7	16.1	15.3	15.0	14.2	11.0	10.4	10.3	11.0
84.5°	12.0	12.7	14.2	14.6	13.8	13.6	12.7	9.7	9.0	8.9	9.7
85°	10.5	11.2	12.7	13.2	12.3	12.1	11.3	8.4	7.6	7.6	8.3
85.5°	9.0	9.7	11.3	11.7	10.9	10.7	9.9	7.1	6.2	6.3	7.0
86°	7.6	8.3	9.9	10.3	9.5	9.3	8.5	5.8	4.9	4.9	5.6
86.5°	6.3	7.0	8.5	8.9	8.1	7.9	7.2	4.4	3.7	3.8	4.3
87°	5.1	5.9	7.2	7.5	6.7	6.6	5.8	3.3	2.7	2.7	3.0
87.5°	4.0	4.6	5.9	6.1	5.3	5.2	4.5	2.3	1.7	1.7	1.8
88°	3.2	3.4	4.6	4.8	4.0	3.8	3.3	1.3	0.9	0.8	0.7
88.5°	2.5	2.6	3.3	3.5	2.7	2.5	2.1	0.5	0.3	0.2	0.2
89°	1.7	1.8	2.5	2.6	1.4	1.3	1.0	0.2	0.1	0.1	0.1
89.5°	0.9	1.0	1.7	1.8	0.5	0.4	0.2	0.1	0.1	0.1	0.1



TEST NUMBER: P640159
 CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.2	0.2	0.9	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
90.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
93.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
97°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
97.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
99°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
99.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
106°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
106.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
107.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
108°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
108.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2
109°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
109.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
110°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
110.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
111°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
111.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
112°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P640159

CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
113°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
113.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
114°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
114.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
116°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
116.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
117°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3
117.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3
118°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
118.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
119°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
119.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
120°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
120.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
121°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
121.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
122°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
122.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
123°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
123.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
124°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3
124.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4
125°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
125.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
126°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
126.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
127°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
127.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
128°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
128.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
129°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
129.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
130°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
130.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4
131°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
131.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
132°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
132.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
133°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
133.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
134°	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
134.5°	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P640159

CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
135.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
136°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
136.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.5
137°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6
137.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
138°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
138.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
139°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
139.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
140°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
140.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
141°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
141.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
142°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
143°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
143.5°	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144°	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
146°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
146.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7
148°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7
148.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
149°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
149.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
151°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
151.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
153°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
153.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
154°	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.8
154.5°	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9
155°	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9
155.5°	0.8	0.8	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
156°	0.8	0.8	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
156.5°	0.8	0.8	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157°	0.8	0.8	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P640159
 CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.8	0.8	0.8	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
158°	0.8	0.8	0.8	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
158.5°	0.8	0.8	0.8	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
159°	0.8	0.8	0.8	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
159.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
161°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
161.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	0.9	0.9
162°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.9
162.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9
163°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9
163.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9
164°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0
164.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0
165°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0
165.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0
166°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0
166.5°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0
167°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0
167.5°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0
168°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
168.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
169°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
169.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
170°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
170.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
171°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
171.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
172°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
173°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
173.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
174°	0.9	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
174.5°	0.9	0.9	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
176°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
176.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
178°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
178.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
179°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
179.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P640159
CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P640159

CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1568.7	1568.7	1568.7	1568.7	1568.7	1568.7
0.5°	1568.4	1568.6	1568.8	1568.7	1569.2	1568.9
1°	1568.0	1568.7	1568.8	1568.5	1569.3	1568.8
1.5°	1567.3	1568.3	1568.7	1568.5	1569.4	1568.7
2°	1566.6	1567.8	1568.4	1568.1	1569.1	1568.6
2.5°	1565.5	1567.1	1567.9	1567.5	1568.6	1568.0
3°	1564.5	1566.4	1567.0	1566.8	1568.1	1567.2
3.5°	1563.2	1565.2	1566.0	1565.6	1567.3	1566.5
4°	1561.6	1564.0	1564.8	1564.5	1566.1	1565.2
4.5°	1560.0	1562.3	1563.5	1563.6	1565.0	1564.2
5°	1558.2	1560.8	1561.8	1561.9	1563.6	1562.8
5.5°	1555.8	1559.1	1560.0	1560.2	1561.9	1560.9
6°	1553.5	1557.2	1557.7	1557.8	1560.1	1559.0
6.5°	1551.1	1554.5	1555.4	1555.3	1558.1	1556.7
7°	1548.1	1552.3	1553.3	1553.3	1555.7	1554.5
7.5°	1545.5	1549.5	1550.6	1550.5	1553.4	1551.9
8°	1542.3	1546.5	1547.9	1547.8	1550.8	1549.1
8.5°	1538.9	1543.5	1544.9	1544.9	1548.0	1546.4
9°	1535.2	1540.3	1541.6	1541.5	1544.6	1543.0
9.5°	1531.7	1536.9	1538.2	1537.7	1541.5	1539.6
10°	1527.6	1533.0	1534.4	1534.6	1537.9	1536.1
10.5°	1523.6	1529.1	1530.7	1530.8	1534.1	1532.4
11°	1519.4	1525.2	1526.9	1526.5	1530.3	1528.5
11.5°	1514.7	1520.9	1522.8	1522.3	1526.1	1524.3
12°	1509.9	1516.3	1518.2	1517.7	1521.5	1519.6
12.5°	1505.2	1511.9	1513.5	1513.0	1516.9	1514.8
13°	1500.1	1506.7	1508.6	1508.2	1512.4	1510.2
13.5°	1494.7	1501.8	1503.6	1503.0	1507.3	1505.2
14°	1489.3	1496.5	1498.6	1497.9	1502.0	1500.1
14.5°	1483.5	1491.3	1492.9	1492.3	1496.8	1494.6
15°	1477.5	1485.6	1487.1	1486.4	1491.2	1488.7
15.5°	1471.1	1479.6	1481.4	1480.3	1485.1	1482.7
16°	1465.0	1473.5	1475.2	1474.0	1479.1	1476.7
16.5°	1458.4	1467.4	1468.9	1467.6	1472.7	1470.2
17°	1451.8	1461.0	1462.7	1461.3	1466.2	1463.8
17.5°	1444.8	1454.1	1456.0	1454.9	1459.7	1457.0
18°	1437.7	1447.0	1448.7	1447.5	1452.9	1450.0
18.5°	1430.5	1439.9	1441.5	1440.0	1445.5	1442.9
19°	1422.7	1432.7	1434.3	1432.9	1438.3	1435.5
19.5°	1415.0	1425.3	1426.9	1425.1	1431.0	1427.9
20°	1407.0	1417.6	1418.8	1417.3	1423.2	1420.0
20.5°	1399.0	1409.7	1410.9	1409.0	1415.0	1412.2
21°	1390.3	1401.6	1403.0	1400.6	1406.9	1404.0
21.5°	1381.8	1393.0	1394.5	1392.1	1398.5	1395.4
22°	1373.0	1384.4	1385.6	1383.5	1390.0	1386.7

TEST NUMBER: P640159

CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1364.2	1375.9	1377.0	1375.1	1380.9	1377.9
23°	1354.8	1366.7	1367.8	1365.8	1371.8	1368.9
23.5°	1345.7	1357.8	1358.6	1356.3	1363.0	1359.7
24°	1336.3	1348.2	1349.1	1346.5	1353.5	1350.0
24.5°	1326.6	1338.8	1339.4	1337.0	1343.4	1340.3
25°	1316.2	1328.9	1329.7	1327.3	1333.7	1330.7
25.5°	1306.2	1319.1	1319.7	1316.8	1323.5	1320.5
26°	1296.0	1309.2	1309.6	1306.3	1313.4	1309.9
26.5°	1285.6	1298.7	1299.2	1295.9	1303.0	1299.8
27°	1274.6	1288.2	1288.4	1285.0	1292.2	1289.2
27.5°	1263.5	1277.4	1277.9	1274.1	1281.1	1278.3
28°	1252.3	1266.5	1266.6	1262.8	1270.1	1267.4
28.5°	1241.6	1255.2	1255.3	1251.6	1258.8	1256.0
29°	1229.8	1243.8	1243.9	1240.2	1247.5	1244.6
29.5°	1218.0	1232.5	1232.5	1228.3	1236.0	1233.2
30°	1206.2	1220.8	1220.4	1216.3	1224.6	1221.6
30.5°	1194.5	1209.1	1208.5	1204.1	1212.5	1209.7
31°	1181.8	1196.5	1196.2	1191.6	1200.6	1197.4
31.5°	1169.3	1184.1	1183.8	1179.1	1188.3	1185.2
32°	1156.9	1171.8	1171.4	1166.5	1175.8	1173.0
32.5°	1144.3	1159.2	1158.3	1153.8	1163.0	1160.5
33°	1130.9	1145.9	1145.3	1140.9	1150.5	1147.8
33.5°	1118.0	1133.1	1132.0	1127.8	1137.7	1134.9
34°	1104.7	1119.9	1119.1	1114.5	1124.5	1121.8
34.5°	1091.5	1106.3	1105.2	1100.8	1111.5	1108.7
35°	1077.9	1092.7	1091.7	1087.4	1097.8	1095.6
35.5°	1064.2	1079.5	1078.1	1073.9	1084.4	1082.0
36°	1050.9	1065.8	1064.6	1060.2	1071.1	1068.6
36.5°	1036.6	1052.0	1050.8	1046.4	1057.4	1055.3
37°	1022.9	1037.8	1037.0	1032.5	1043.6	1041.8
37.5°	1008.7	1024.0	1022.1	1018.3	1029.5	1028.0
38°	994.2	1009.5	1008.0	1004.0	1015.7	1014.2
38.5°	978.9	994.5	993.3	989.6	1001.2	999.8
39°	963.6	978.9	978.1	974.5	987.1	985.6
39.5°	947.5	963.1	961.4	958.6	972.9	971.7
40°	931.4	947.0	945.4	942.2	957.4	957.2
40.5°	915.0	930.6	928.9	925.8	941.6	942.2
41°	898.3	914.1	912.1	909.0	925.4	926.4
41.5°	881.4	896.7	894.7	891.8	909.0	910.1
42°	864.4	879.8	877.5	874.7	891.6	893.5
42.5°	846.9	862.7	860.5	857.8	874.8	876.7
43°	829.5	845.3	842.8	840.5	857.9	859.5
43.5°	812.3	827.2	824.8	822.5	840.6	842.4
44°	795.0	809.5	807.3	805.2	822.8	825.3
44.5°	777.7	791.9	789.3	787.8	805.9	808.0

TEST NUMBER: P640159

CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	759.7	774.2	771.5	770.4	788.6	790.5
45.5°	742.5	756.1	754.0	752.6	771.1	773.6
46°	725.4	738.6	736.1	735.1	753.6	756.0
46.5°	708.2	720.3	718.0	717.7	736.8	739.0
47°	691.1	702.6	700.3	700.3	719.1	721.5
47.5°	673.9	684.3	682.8	682.6	701.8	704.6
48°	656.8	667.1	665.3	665.7	684.7	687.4
48.5°	639.6	649.3	647.5	648.4	667.8	670.3
49°	622.6	631.8	630.7	631.2	650.7	653.3
49.5°	605.4	614.8	613.6	614.4	633.6	637.0
50°	588.4	597.3	596.1	597.4	617.0	620.1
50.5°	571.5	580.0	579.1	580.3	600.3	603.7
51°	555.3	563.2	562.3	563.9	583.8	586.8
51.5°	539.2	546.6	545.7	547.7	567.4	571.0
52°	522.3	530.0	529.3	531.4	551.1	554.7
52.5°	506.0	513.7	512.9	515.5	535.4	538.9
53°	490.1	497.5	496.8	499.5	519.2	523.1
53.5°	474.4	481.5	480.9	483.5	503.6	507.4
54°	458.6	465.8	465.2	467.9	487.9	491.8
54.5°	443.2	450.4	449.9	452.6	472.7	476.7
55°	428.0	435.2	434.5	437.9	457.8	461.7
55.5°	413.0	420.2	419.5	422.9	442.4	446.9
56°	398.2	405.1	404.7	407.6	427.5	431.8
56.5°	383.6	390.4	390.3	393.2	413.3	417.5
57°	369.1	375.8	375.7	378.9	398.8	403.3
57.5°	355.4	361.9	361.6	364.8	384.3	388.8
58°	341.4	347.9	347.7	350.7	370.2	374.7
58.5°	327.9	332.0	332.0	337.7	356.7	361.3
59°	314.2	319.2	319.4	324.6	343.3	347.6
59.5°	300.9	306.6	306.7	311.4	335.9	332.5
60°	288.0	294.0	294.1	298.3	321.5	319.8
60.5°	275.6	281.4	281.5	285.2	307.0	307.4
61°	262.8	268.7	269.1	272.0	292.4	294.9
61.5°	250.7	256.6	257.0	259.9	278.0	282.4
62°	238.7	244.6	244.9	248.0	266.0	270.5
62.5°	227.0	232.7	233.1	236.3	253.8	258.2
63°	215.6	221.0	221.7	224.7	241.9	246.3
63.5°	204.4	209.8	210.5	213.6	230.1	234.7
64°	193.3	198.8	199.6	202.6	219.0	223.4
64.5°	182.7	188.0	188.9	192.0	207.7	212.0
65°	172.2	177.5	178.5	181.5	196.9	201.3
65.5°	162.4	167.3	168.3	171.4	186.5	190.5
66°	152.5	157.3	158.5	161.4	176.1	180.1
66.5°	143.0	147.8	148.7	151.9	165.9	169.8
67°	134.0	138.3	139.5	142.7	156.3	159.9

TEST NUMBER: P640159

CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	125.0	129.5	130.7	133.8	146.7	150.4
68°	116.6	120.8	122.1	125.1	137.5	140.8
68.5°	108.7	112.5	113.9	116.7	128.7	131.8
69°	100.8	104.5	105.8	108.5	120.2	122.9
69.5°	93.5	97.0	98.2	100.8	111.9	114.0
70°	87.1	89.7	91.1	93.8	103.9	105.9
70.5°	80.8	83.2	84.4	86.8	96.4	97.8
71°	74.5	76.9	78.1	80.2	89.2	90.1
71.5°	68.1	71.0	72.2	74.1	82.4	82.8
72°	62.9	65.7	66.6	68.5	76.0	76.2
72.5°	58.2	60.9	61.6	63.2	70.0	69.9
73°	53.9	56.4	57.0	58.2	64.3	64.2
73.5°	50.0	52.3	52.9	53.8	59.2	58.9
74°	46.3	48.4	48.9	49.9	54.5	54.3
74.5°	43.3	45.2	45.5	46.3	50.4	50.1
75°	41.2	42.6	42.9	43.2	46.6	46.2
75.5°	39.2	40.5	40.8	41.0	43.3	43.3
76°	37.3	38.5	38.7	39.1	40.6	41.3
76.5°	35.4	36.6	36.9	37.2	38.7	39.0
77°	33.6	34.7	35.0	35.3	36.8	37.1
77.5°	31.8	33.0	33.6	33.5	35.0	35.3
78°	30.0	31.2	31.8	31.7	33.7	33.5
78.5°	28.3	29.5	29.9	29.9	31.8	31.7
79°	26.6	27.7	28.0	28.1	29.9	30.0
79.5°	24.9	26.0	26.2	26.4	28.0	28.2
80°	23.2	24.3	24.5	24.7	26.2	26.5
80.5°	21.6	22.7	22.9	23.0	24.4	24.7
81°	20.1	21.1	21.3	21.4	22.8	23.1
81.5°	18.5	19.5	19.7	19.8	21.1	21.4
82°	17.0	17.9	18.1	18.3	19.4	19.8
82.5°	15.4	16.4	16.6	16.8	17.8	18.2
83°	14.0	14.9	15.1	15.2	16.2	16.6
83.5°	12.5	13.4	13.6	13.7	14.7	15.0
84°	11.1	12.0	12.2	12.2	13.1	13.5
84.5°	9.7	10.5	10.7	10.8	11.7	12.0
85°	8.4	9.1	9.3	9.4	10.2	10.5
85.5°	7.0	7.7	7.9	8.0	8.7	9.0
86°	5.6	6.4	6.6	6.7	7.4	7.6
86.5°	4.2	5.0	5.2	5.4	6.2	6.3
87°	3.0	3.8	3.9	4.1	4.9	5.1
87.5°	1.7	2.8	3.0	2.9	3.8	4.0
88°	0.7	1.9	2.0	1.7	2.9	3.2
88.5°	0.1	1.0	1.1	1.4	2.0	2.5
89°	0.1	0.1	0.1	1.1	1.1	1.7
89.5°	0.1	0.1	0.1	0.7	0.2	0.9



TEST NUMBER: P640159
 CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.1	0.1	0.1	0.4	0.1	0.2
90.5°	0.1	0.1	0.1	0.1	0.1	0.1
91°	0.1	0.1	0.1	0.1	0.1	0.1
91.5°	0.1	0.1	0.1	0.1	0.1	0.1
92°	0.1	0.1	0.1	0.1	0.1	0.1
92.5°	0.1	0.1	0.1	0.1	0.1	0.1
93°	0.1	0.1	0.1	0.1	0.1	0.1
93.5°	0.1	0.1	0.1	0.1	0.1	0.1
94°	0.1	0.1	0.1	0.1	0.1	0.1
94.5°	0.1	0.1	0.1	0.1	0.1	0.1
95°	0.1	0.1	0.1	0.1	0.1	0.1
95.5°	0.1	0.1	0.1	0.1	0.1	0.1
96°	0.1	0.1	0.1	0.1	0.1	0.1
96.5°	0.1	0.1	0.1	0.1	0.1	0.1
97°	0.1	0.1	0.1	0.1	0.1	0.1
97.5°	0.1	0.1	0.1	0.1	0.1	0.1
98°	0.1	0.1	0.1	0.1	0.1	0.1
98.5°	0.1	0.1	0.1	0.1	0.1	0.1
99°	0.1	0.1	0.1	0.1	0.1	0.1
99.5°	0.1	0.2	0.1	0.1	0.1	0.1
100°	0.1	0.2	0.2	0.2	0.1	0.2
100.5°	0.1	0.2	0.2	0.2	0.2	0.2
101°	0.1	0.2	0.2	0.2	0.2	0.2
101.5°	0.1	0.2	0.2	0.2	0.2	0.2
102°	0.1	0.2	0.2	0.2	0.2	0.2
102.5°	0.1	0.2	0.2	0.2	0.2	0.2
103°	0.1	0.2	0.2	0.2	0.2	0.2
103.5°	0.1	0.2	0.2	0.2	0.2	0.2
104°	0.1	0.2	0.2	0.2	0.2	0.2
104.5°	0.1	0.2	0.2	0.2	0.2	0.2
105°	0.1	0.2	0.2	0.2	0.2	0.2
105.5°	0.1	0.2	0.2	0.2	0.2	0.2
106°	0.1	0.2	0.2	0.2	0.2	0.2
106.5°	0.1	0.2	0.2	0.2	0.2	0.2
107°	0.1	0.2	0.2	0.2	0.2	0.2
107.5°	0.1	0.2	0.2	0.2	0.2	0.2
108°	0.1	0.2	0.2	0.2	0.2	0.2
108.5°	0.2	0.2	0.2	0.2	0.2	0.2
109°	0.2	0.2	0.2	0.2	0.2	0.2
109.5°	0.2	0.2	0.2	0.2	0.2	0.2
110°	0.2	0.2	0.2	0.2	0.2	0.2
110.5°	0.2	0.2	0.2	0.2	0.2	0.2
111°	0.2	0.2	0.2	0.2	0.2	0.2
111.5°	0.2	0.2	0.2	0.2	0.2	0.3
112°	0.2	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P640159

CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.2	0.3	0.3	0.3	0.3	0.3
113°	0.2	0.3	0.3	0.3	0.3	0.3
113.5°	0.2	0.3	0.3	0.3	0.3	0.3
114°	0.2	0.3	0.3	0.3	0.3	0.3
114.5°	0.2	0.3	0.3	0.3	0.3	0.3
115°	0.2	0.3	0.3	0.3	0.3	0.3
115.5°	0.2	0.3	0.3	0.3	0.3	0.3
116°	0.2	0.3	0.3	0.3	0.3	0.3
116.5°	0.2	0.3	0.3	0.3	0.3	0.3
117°	0.2	0.3	0.3	0.3	0.3	0.3
117.5°	0.3	0.3	0.3	0.3	0.3	0.3
118°	0.3	0.3	0.3	0.3	0.3	0.3
118.5°	0.3	0.3	0.3	0.3	0.3	0.3
119°	0.3	0.3	0.3	0.3	0.3	0.3
119.5°	0.3	0.3	0.3	0.3	0.3	0.3
120°	0.3	0.3	0.3	0.3	0.3	0.4
120.5°	0.3	0.4	0.4	0.4	0.4	0.4
121°	0.3	0.4	0.4	0.4	0.4	0.4
121.5°	0.3	0.4	0.4	0.4	0.4	0.4
122°	0.3	0.4	0.4	0.4	0.4	0.4
122.5°	0.3	0.4	0.4	0.4	0.4	0.4
123°	0.3	0.4	0.4	0.4	0.4	0.4
123.5°	0.3	0.4	0.4	0.4	0.4	0.4
124°	0.3	0.4	0.4	0.4	0.4	0.4
124.5°	0.4	0.4	0.4	0.4	0.4	0.4
125°	0.4	0.4	0.4	0.4	0.4	0.4
125.5°	0.4	0.4	0.4	0.4	0.4	0.4
126°	0.4	0.4	0.4	0.4	0.4	0.4
126.5°	0.4	0.4	0.4	0.4	0.4	0.4
127°	0.4	0.4	0.4	0.4	0.4	0.5
127.5°	0.4	0.4	0.4	0.5	0.5	0.5
128°	0.4	0.5	0.5	0.5	0.5	0.5
128.5°	0.4	0.5	0.5	0.5	0.5	0.5
129°	0.4	0.5	0.5	0.5	0.5	0.5
129.5°	0.4	0.5	0.5	0.5	0.5	0.5
130°	0.4	0.5	0.5	0.5	0.5	0.5
130.5°	0.4	0.5	0.5	0.5	0.5	0.5
131°	0.5	0.5	0.5	0.5	0.5	0.5
131.5°	0.5	0.5	0.5	0.5	0.5	0.5
132°	0.5	0.5	0.5	0.5	0.5	0.5
132.5°	0.5	0.5	0.5	0.5	0.5	0.5
133°	0.5	0.5	0.5	0.5	0.5	0.5
133.5°	0.5	0.5	0.5	0.5	0.5	0.5
134°	0.5	0.5	0.5	0.5	0.5	0.6
134.5°	0.5	0.5	0.5	0.5	0.5	0.6



TEST NUMBER: P640159
 CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.5	0.6	0.6	0.6	0.6	0.6
135.5°	0.5	0.6	0.6	0.6	0.6	0.6
136°	0.5	0.6	0.6	0.6	0.6	0.6
136.5°	0.5	0.6	0.6	0.6	0.6	0.6
137°	0.6	0.6	0.6	0.6	0.6	0.6
137.5°	0.6	0.6	0.6	0.6	0.6	0.6
138°	0.6	0.6	0.6	0.6	0.6	0.6
138.5°	0.6	0.6	0.6	0.6	0.6	0.6
139°	0.6	0.6	0.6	0.6	0.6	0.6
139.5°	0.6	0.6	0.6	0.6	0.6	0.6
140°	0.6	0.6	0.6	0.6	0.6	0.6
140.5°	0.6	0.6	0.6	0.6	0.6	0.6
141°	0.6	0.6	0.6	0.6	0.6	0.6
141.5°	0.6	0.6	0.6	0.6	0.6	0.6
142°	0.6	0.6	0.6	0.6	0.6	0.6
142.5°	0.7	0.6	0.6	0.6	0.6	0.6
143°	0.7	0.6	0.6	0.6	0.6	0.6
143.5°	0.7	0.6	0.6	0.6	0.6	0.7
144°	0.7	0.6	0.6	0.7	0.6	0.7
144.5°	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.7	0.7	0.7	0.7
145.5°	0.7	0.7	0.7	0.7	0.7	0.7
146°	0.7	0.7	0.7	0.7	0.7	0.7
146.5°	0.7	0.7	0.7	0.7	0.7	0.7
147°	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.7
148°	0.7	0.7	0.7	0.7	0.7	0.7
148.5°	0.8	0.7	0.7	0.7	0.7	0.7
149°	0.8	0.7	0.7	0.7	0.7	0.7
149.5°	0.8	0.7	0.7	0.7	0.7	0.7
150°	0.8	0.7	0.7	0.7	0.7	0.7
150.5°	0.8	0.7	0.7	0.7	0.7	0.7
151°	0.8	0.7	0.7	0.7	0.7	0.7
151.5°	0.8	0.7	0.7	0.7	0.7	0.7
152°	0.8	0.7	0.7	0.7	0.7	0.7
152.5°	0.8	0.7	0.7	0.7	0.7	0.7
153°	0.8	0.7	0.7	0.7	0.7	0.7
153.5°	0.8	0.7	0.7	0.7	0.7	0.7
154°	0.8	0.7	0.7	0.7	0.7	0.8
154.5°	0.8	0.7	0.7	0.7	0.7	0.8
155°	0.9	0.7	0.7	0.7	0.8	0.8
155.5°	0.9	0.7	0.7	0.7	0.8	0.8
156°	0.9	0.7	0.7	0.7	0.8	0.8
156.5°	0.9	0.7	0.7	0.7	0.8	0.8
157°	0.9	0.7	0.7	0.7	0.8	0.8



TEST NUMBER: P640159
 CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.9	0.7	0.7	0.8	0.8	0.8
158°	0.9	0.7	0.7	0.8	0.8	0.8
158.5°	0.9	0.7	0.7	0.8	0.8	0.8
159°	0.9	0.7	0.7	0.8	0.8	0.8
159.5°	0.9	0.7	0.8	0.8	0.8	0.8
160°	0.9	0.7	0.8	0.8	0.8	0.8
160.5°	0.9	0.7	0.8	0.8	0.8	0.8
161°	0.9	0.7	0.8	0.8	0.8	0.8
161.5°	0.9	0.8	0.8	0.8	0.8	0.8
162°	0.9	0.8	0.8	0.8	0.8	0.8
162.5°	0.9	0.8	0.8	0.8	0.8	0.8
163°	0.9	0.8	0.8	0.8	0.8	0.8
163.5°	0.9	0.8	0.8	0.8	0.8	0.8
164°	0.9	0.8	0.8	0.8	0.8	0.8
164.5°	0.9	0.8	0.8	0.8	0.8	0.8
165°	1.0	0.8	0.8	0.8	0.8	0.8
165.5°	1.0	0.8	0.8	0.8	0.8	0.8
166°	1.0	0.8	0.8	0.8	0.8	0.8
166.5°	1.0	0.8	0.8	0.8	0.8	0.8
167°	1.0	0.8	0.8	0.8	0.8	0.8
167.5°	1.0	0.8	0.8	0.8	0.8	0.8
168°	1.0	0.8	0.8	0.8	0.8	0.8
168.5°	1.0	0.8	0.8	0.8	0.8	0.8
169°	1.0	0.8	0.8	0.8	0.8	0.8
169.5°	1.0	0.8	0.8	0.8	0.8	0.8
170°	1.0	0.8	0.8	0.8	0.8	0.8
170.5°	1.0	0.8	0.8	0.8	0.8	0.8
171°	1.0	0.8	0.8	0.8	0.8	0.8
171.5°	1.0	0.8	0.8	0.8	0.8	0.8
172°	1.0	0.8	0.8	0.8	0.8	0.8
172.5°	1.0	0.8	0.8	0.8	0.8	0.8
173°	1.0	0.8	0.8	0.8	0.8	0.8
173.5°	1.0	0.8	0.8	0.8	0.8	0.8
174°	1.0	0.8	0.8	0.9	0.9	0.9
174.5°	1.0	0.8	0.9	0.9	0.9	0.9
175°	1.0	0.9	0.9	0.9	0.9	0.9
175.5°	1.0	0.9	0.9	0.9	0.9	0.9
176°	1.0	0.9	0.9	0.9	0.9	0.9
176.5°	1.0	0.9	0.9	0.9	0.9	0.9
177°	1.0	0.9	0.9	0.9	0.9	0.9
177.5°	1.0	0.9	0.9	0.9	0.9	0.9
178°	1.0	0.9	0.9	0.9	0.9	0.9
178.5°	1.0	0.9	0.9	0.9	0.9	0.9
179°	1.0	1.0	0.9	1.0	0.9	0.9
179.5°	1.0	1.0	1.0	1.0	0.9	0.9



TEST NUMBER: P640159
CATALOG NUMBER: LCR630RD9FSE010-42W-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)