

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: P640161

Luminaire Tested: LCR630RD9FSE040-42W-2700K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640161
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: LCR630RD9FSE040-42W-2700K
Description: LCR 6
Light Source: 2700K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

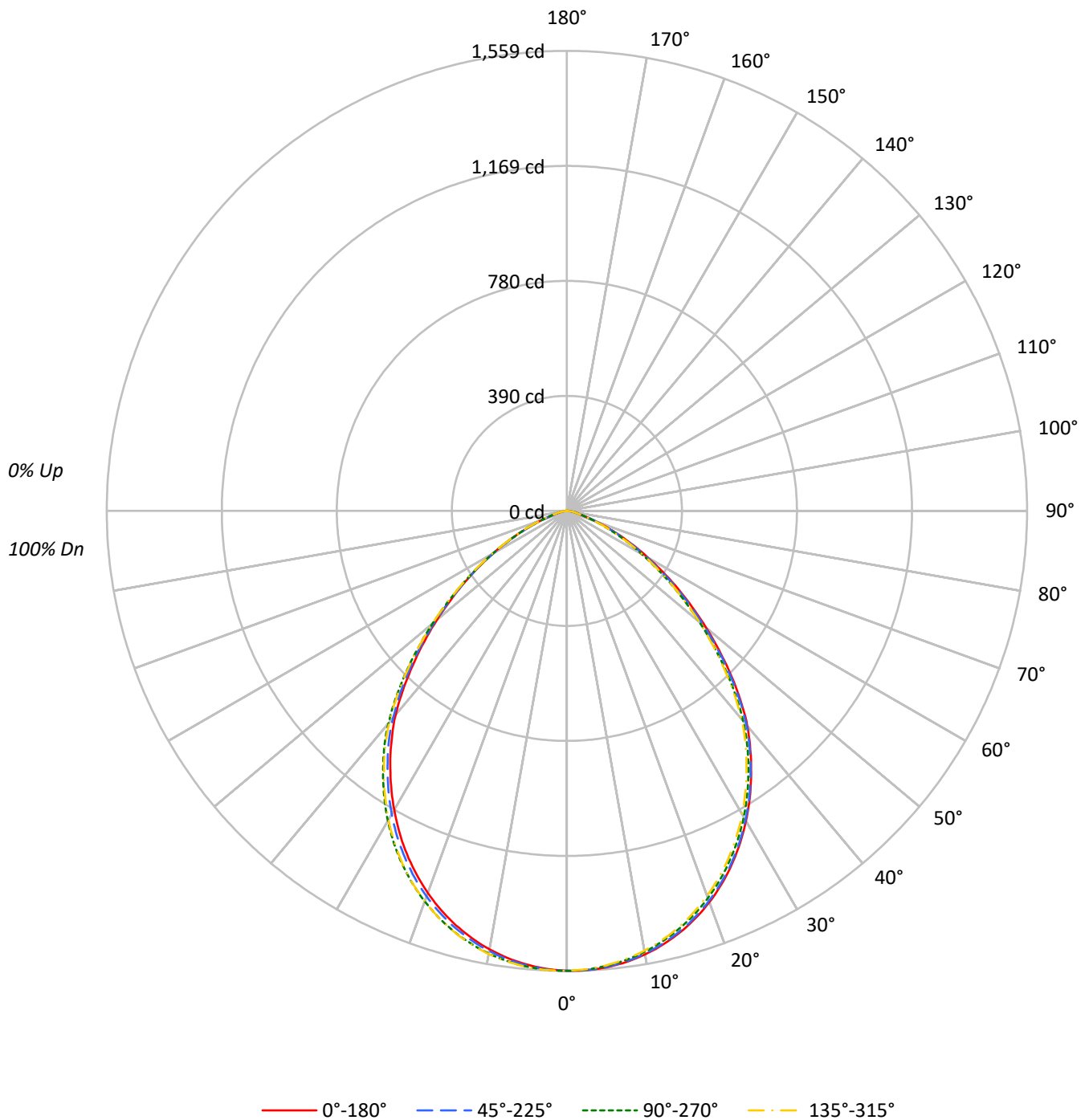
Lumens per Lamp: N/A
Luminaire Lumens: 3060.0 lumens
Efficiency: N/A
Efficacy: 33.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 91.9
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: P640161
CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77
4	88	78	70	64	86	77	69	64	74	68	63		72	67	62		70
5	82	70	63	57	80	69	62	56	67	61	56		65	60	55		64
6	76	64	56	50	74	63	56	50	62	55	50		60	54	49		58
7	71	59	51	45	69	58	50	45	56	50	45		55	49	44		54
8	66	54	46	41	65	53	46	41	52	45	41		51	45	40		50
9	62	50	42	37	61	49	42	37	48	42	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	85443	85443	85443	85443
5°	85439	85147	84944	85329
10°	84957	84440	83983	84785
15°	83939	83230	82492	83763
20°	82304	81458	80373	82164
25°	79964	79009	77581	79861
30°	76828	75847	74062	76778
35°	72846	71755	69807	72652
40°	68056	66482	64614	67333
45°	60882	58735	57161	59626
50°	52544	49977	48996	50608
55°	43841	40983	40515	41327
60°	34844	32168	31840	32026
65°	25943	23738	22999	22882
70°	16862	15900	14345	14281
75°	9722	10188	8557	8960
80°	8303	8808	7135	7608
85°	6604	7674	4780	5724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60882 cd/sqm



TEST NUMBER: P640161
 CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	4.8
10°-20°	413.6	13.5
20°-30°	601.0	19.6
30°-40°	668.6	21.8
40°-50°	586.2	19.2
50°-60°	390.9	12.8
60°-70°	185.4	6.1
70°-80°	53.4	1.7
80°-90°	11.7	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°	1161.5	38.0
0°-40°	1830.0	59.8
0°-60°	2807.1	91.7
0°-90°	3057.6	99.9
90°-120°	0.5	0.0
90°-150°	1.7	0.1
90°-180°	2.0	0.1
0°-180°	3060.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1559	1559	1559	1559	1559	
5°	1553	1547	1544	1551	1553	147
15°	1479	1466	1454	1476	1479	416
25°	1322	1306	1283	1320	1322	608
35°	1088	1072	1043	1086	1088	679
45°	785	758	737	769	785	604
55°	459	429	424	432	459	411
65°	200	183	177	176	200	201
75°	46	48	40	42	46	56
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	0	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	



TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6
0.5°	1558.8	1558.9	1558.7	1558.5	1558.3	1558.4	1558.0	1558.0	1557.9	1558.4	1558.4
1°	1558.7	1558.8	1558.7	1558.1	1558.0	1557.9	1557.3	1557.2	1557.2	1557.6	1557.8
1.5°	1558.6	1558.9	1558.5	1557.8	1557.2	1557.1	1556.7	1556.0	1556.1	1556.7	1556.9
2°	1558.5	1558.5	1558.2	1557.4	1556.6	1556.4	1555.6	1554.8	1555.0	1555.5	1556.2
2.5°	1557.9	1558.0	1557.5	1556.3	1555.5	1555.1	1554.3	1553.4	1553.4	1554.6	1555.2
3°	1557.1	1557.7	1556.7	1555.6	1554.3	1553.4	1553.0	1552.0	1551.9	1552.8	1554.2
3.5°	1556.4	1556.0	1555.7	1554.4	1552.7	1552.1	1551.7	1549.8	1550.0	1551.1	1552.6
4°	1555.1	1554.9	1554.0	1552.9	1551.2	1550.4	1549.6	1548.0	1548.2	1549.2	1550.6
4.5°	1554.0	1553.6	1552.6	1551.5	1549.1	1548.4	1547.9	1545.9	1546.0	1547.5	1548.6
5°	1552.6	1552.0	1550.9	1549.6	1547.3	1546.5	1545.8	1543.6	1543.6	1544.6	1546.4
5.5°	1550.7	1550.3	1549.1	1547.6	1545.2	1544.1	1543.2	1541.0	1540.9	1542.7	1544.2
6°	1548.8	1548.2	1547.1	1545.5	1542.7	1541.5	1540.7	1538.1	1538.2	1540.1	1541.7
6.5°	1546.6	1545.6	1544.8	1543.1	1540.0	1539.0	1538.0	1535.5	1535.5	1537.3	1539.0
7°	1544.4	1543.5	1542.4	1540.6	1537.4	1536.3	1534.8	1531.9	1532.0	1533.9	1536.3
7.5°	1541.8	1541.0	1539.8	1537.8	1534.7	1533.2	1531.3	1528.8	1528.5	1530.8	1533.0
8°	1539.0	1537.6	1537.0	1534.9	1531.4	1530.2	1528.4	1525.1	1525.2	1527.1	1529.7
8.5°	1536.4	1535.4	1533.9	1531.8	1528.3	1526.8	1524.8	1521.4	1521.4	1523.5	1526.4
9°	1533.0	1532.0	1530.6	1528.3	1524.6	1523.3	1521.0	1517.3	1517.3	1519.6	1522.8
9.5°	1529.6	1528.3	1527.2	1525.0	1520.9	1519.1	1517.4	1513.1	1513.2	1515.7	1518.6
10°	1526.2	1524.9	1523.3	1521.0	1516.9	1515.2	1513.2	1508.7	1508.7	1511.3	1514.5
10.5°	1522.4	1521.2	1519.5	1517.3	1512.8	1510.9	1508.8	1504.0	1504.4	1507.0	1510.4
11°	1518.5	1517.0	1515.3	1513.3	1508.5	1506.5	1504.4	1498.9	1499.3	1502.1	1505.9
11.5°	1514.4	1512.7	1511.1	1508.5	1503.9	1501.7	1499.7	1494.1	1494.1	1497.1	1501.1
12°	1509.7	1507.9	1506.5	1504.0	1499.2	1497.0	1494.8	1488.7	1489.0	1492.0	1496.2
12.5°	1505.0	1504.1	1501.8	1499.5	1494.4	1492.1	1489.4	1483.5	1483.8	1486.8	1491.1
13°	1500.4	1498.5	1496.6	1494.6	1489.2	1486.7	1484.4	1478.0	1477.9	1481.2	1485.7
13.5°	1495.5	1493.9	1491.7	1489.4	1484.0	1481.2	1478.7	1472.1	1472.2	1475.8	1480.2
14°	1490.3	1488.2	1486.4	1484.1	1478.3	1475.7	1473.1	1465.9	1465.9	1469.8	1474.4
14.5°	1484.9	1482.8	1480.9	1478.5	1472.7	1470.0	1466.9	1459.6	1459.8	1463.6	1468.6
15°	1479.0	1476.8	1475.4	1472.9	1466.5	1463.9	1460.8	1453.3	1453.5	1457.7	1462.5
15.5°	1473.1	1471.8	1469.2	1466.8	1460.5	1457.6	1454.7	1446.7	1446.8	1450.6	1456.1
16°	1467.1	1465.6	1463.2	1460.7	1454.0	1451.4	1448.1	1440.0	1439.8	1443.9	1449.4
16.5°	1460.7	1458.8	1457.0	1454.5	1447.7	1444.8	1441.3	1432.8	1433.0	1437.0	1442.9
17°	1454.3	1452.5	1450.3	1447.8	1441.1	1437.8	1434.3	1425.5	1425.5	1430.0	1435.6
17.5°	1447.5	1446.3	1443.5	1441.4	1434.2	1430.7	1427.0	1418.1	1418.2	1422.7	1428.6
18°	1440.6	1439.0	1436.8	1434.5	1426.7	1423.7	1419.7	1410.4	1410.4	1414.6	1421.3
18.5°	1433.6	1433.0	1429.5	1427.0	1419.5	1416.2	1412.3	1402.7	1402.3	1407.1	1413.8
19°	1426.1	1424.6	1421.9	1419.7	1412.0	1408.6	1404.3	1394.6	1394.1	1398.9	1405.8
19.5°	1418.6	1417.1	1414.5	1412.1	1404.4	1400.8	1396.8	1386.5	1386.1	1391.4	1398.3
20°	1410.8	1408.7	1406.5	1404.4	1396.3	1392.9	1388.4	1378.2	1377.7	1382.9	1390.0
20.5°	1403.1	1401.1	1398.8	1396.5	1388.1	1384.8	1380.1	1369.5	1369.0	1374.5	1381.8
21°	1394.9	1392.4	1390.4	1388.6	1380.0	1376.4	1371.6	1360.5	1360.1	1365.5	1373.0
21.5°	1386.3	1384.5	1382.2	1379.9	1371.6	1367.6	1362.8	1351.6	1351.4	1356.4	1364.2
22°	1377.7	1375.9	1373.6	1371.2	1362.8	1359.1	1354.4	1342.4	1342.0	1347.4	1355.6

TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1369.0	1366.6	1364.9	1362.5	1353.8	1350.0	1344.6	1332.9	1332.6	1338.3	1346.3
23°	1360.0	1357.6	1355.7	1353.7	1344.7	1340.8	1335.5	1323.5	1323.0	1328.5	1337.0
23.5°	1350.9	1348.2	1346.9	1344.7	1335.4	1331.3	1326.3	1313.7	1313.3	1318.8	1327.2
24°	1341.3	1337.2	1337.4	1335.1	1326.1	1321.9	1316.8	1303.6	1303.1	1309.0	1317.3
24.5°	1331.6	1328.0	1327.8	1325.5	1316.1	1312.1	1306.7	1293.7	1293.2	1299.0	1307.9
25°	1322.0	1321.1	1317.7	1315.8	1306.2	1302.2	1296.6	1283.4	1282.6	1288.7	1297.6
25.5°	1311.9	1310.2	1307.8	1305.8	1296.4	1292.2	1286.4	1273.1	1272.4	1278.4	1287.4
26°	1301.4	1299.7	1297.8	1295.7	1286.1	1281.7	1276.4	1262.5	1261.5	1267.5	1276.9
26.5°	1291.3	1289.4	1287.5	1285.5	1276.0	1271.4	1265.4	1251.4	1250.8	1256.9	1266.5
27°	1280.8	1278.4	1277.0	1275.0	1265.2	1260.7	1255.2	1240.6	1239.7	1246.0	1255.7
27.5°	1270.0	1267.7	1266.4	1264.4	1254.4	1250.1	1244.3	1229.4	1228.6	1234.4	1244.6
28°	1259.1	1256.8	1255.4	1253.6	1243.7	1239.0	1233.4	1218.1	1217.0	1223.3	1233.3
28.5°	1247.9	1245.9	1244.4	1242.4	1232.6	1227.8	1221.9	1206.8	1205.8	1212.6	1221.8
29°	1236.6	1234.4	1233.3	1231.3	1221.4	1216.8	1210.8	1194.9	1194.0	1200.3	1210.5
29.5°	1225.2	1223.0	1221.7	1220.2	1209.8	1205.3	1199.2	1183.3	1182.1	1188.6	1198.8
30°	1213.7	1211.3	1210.1	1208.5	1198.2	1193.8	1187.5	1171.2	1170.0	1176.3	1186.7
30.5°	1201.8	1199.6	1198.3	1197.0	1186.1	1181.8	1175.6	1159.1	1158.2	1164.5	1174.8
31°	1189.6	1187.8	1186.0	1184.6	1174.5	1169.8	1163.7	1146.5	1145.7	1152.3	1162.4
31.5°	1177.5	1175.3	1174.0	1172.6	1162.2	1157.5	1151.0	1134.4	1133.4	1139.9	1150.0
32°	1165.3	1163.1	1162.2	1160.5	1150.0	1145.3	1138.7	1121.6	1120.6	1127.5	1137.4
32.5°	1153.0	1150.6	1149.4	1148.0	1137.0	1132.9	1125.9	1109.1	1108.2	1114.6	1125.0
33°	1140.4	1138.2	1137.0	1135.7	1124.3	1120.0	1113.4	1096.1	1095.2	1101.8	1112.2
33.5°	1127.5	1125.0	1123.8	1122.5	1111.5	1106.7	1100.5	1082.9	1082.4	1089.0	1098.8
34°	1114.5	1112.3	1111.3	1109.7	1098.7	1094.1	1087.7	1070.1	1069.4	1076.0	1086.3
34.5°	1101.5	1099.5	1098.1	1096.8	1085.3	1080.8	1074.1	1057.0	1056.5	1062.8	1072.7
35°	1088.5	1086.4	1084.9	1083.5	1072.2	1067.5	1061.0	1043.8	1043.1	1049.5	1059.8
35.5°	1075.0	1073.0	1071.6	1069.6	1058.6	1054.2	1047.5	1030.4	1030.2	1036.6	1046.4
36°	1061.6	1060.0	1058.2	1056.2	1045.0	1040.7	1034.6	1017.2	1016.8	1023.4	1033.0
36.5°	1048.5	1046.3	1044.5	1042.6	1031.2	1026.7	1020.8	1003.5	1003.1	1009.6	1019.2
37°	1035.0	1032.9	1030.7	1028.9	1017.3	1012.7	1006.9	989.9	989.4	995.8	1005.4
37.5°	1021.3	1019.2	1017.3	1015.0	1003.4	998.9	993.3	975.9	975.3	981.4	991.5
38°	1007.6	1005.6	1003.4	1001.4	989.3	985.0	979.7	962.2	961.2	968.0	977.5
38.5°	993.3	991.0	989.1	987.0	975.3	970.6	965.3	947.8	947.5	953.7	962.5
39°	979.2	977.1	975.1	972.8	960.3	956.0	950.9	933.3	933.6	939.6	947.7
39.5°	965.4	963.2	961.3	958.5	945.0	940.7	935.6	917.9	918.6	924.1	931.9
40°	951.0	948.8	945.9	943.1	929.0	924.7	920.1	902.0	902.9	908.5	915.9
40.5°	936.1	933.8	930.1	927.0	913.0	908.3	903.5	886.0	886.9	892.5	899.4
41°	920.4	918.2	914.3	910.4	896.1	891.7	887.0	869.3	870.8	876.2	883.6
41.5°	904.2	901.9	897.8	893.9	879.3	875.0	870.4	852.6	854.4	860.2	866.8
42°	887.6	885.3	881.2	877.1	862.0	858.0	853.8	836.1	837.7	843.6	850.6
42.5°	871.0	868.7	864.2	860.0	845.0	841.0	836.9	819.4	821.2	826.7	833.8
43°	853.9	852.0	847.2	843.0	827.7	823.9	819.8	802.1	804.2	809.9	816.8
43.5°	837.0	834.7	830.3	825.4	810.3	806.3	802.8	785.2	787.6	793.3	799.6
44°	820.0	817.6	813.2	807.9	792.4	789.0	785.7	768.6	770.6	777.0	783.1
44.5°	802.7	800.2	795.8	790.2	775.0	771.9	768.7	752.0	754.1	759.7	765.8

TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	785.3	783.1	777.8	772.9	757.6	754.5	751.9	735.2	737.3	743.3	749.2
45.5°	768.6	766.0	761.0	755.0	740.2	737.4	734.8	718.7	720.9	727.0	732.3
46°	751.1	748.8	743.7	737.7	723.0	720.4	718.1	702.3	704.5	710.6	715.6
46.5°	734.2	731.7	726.4	720.2	705.8	703.3	701.4	685.8	688.0	694.3	698.9
47°	716.8	714.2	708.4	702.4	688.7	686.2	684.7	669.3	671.6	677.9	682.2
47.5°	700.0	697.3	691.4	685.0	671.4	669.1	668.0	652.9	655.2	661.6	665.5
48°	682.9	680.2	674.4	667.6	654.3	652.0	651.3	636.3	639.1	644.7	649.2
48.5°	665.9	663.6	657.5	650.6	636.9	635.2	634.7	620.0	622.9	628.2	632.2
49°	649.1	646.5	639.7	633.6	619.7	618.1	618.1	604.3	606.8	611.8	615.5
49.5°	632.9	630.1	623.5	616.7	602.8	601.7	601.6	587.9	590.6	595.4	598.9
50°	616.1	613.6	606.8	599.8	586.0	584.9	584.9	571.9	574.5	579.2	582.6
50.5°	599.8	597.0	589.9	582.7	569.7	568.6	569.2	555.8	558.8	563.1	565.9
51°	583.0	580.5	573.2	566.2	552.8	552.0	552.9	540.7	543.2	547.6	549.9
51.5°	567.2	564.4	557.0	549.9	536.5	536.4	537.2	524.9	527.9	531.9	533.9
52°	551.1	548.5	541.0	533.8	520.5	520.2	521.6	509.6	512.4	515.9	517.8
52.5°	535.5	532.8	525.1	517.7	504.9	504.5	505.7	494.4	497.0	500.3	502.0
53°	519.8	516.7	509.5	501.8	489.0	488.6	490.3	479.7	482.4	485.0	486.5
53.5°	504.1	501.3	493.8	486.0	473.4	473.5	475.2	464.3	467.3	470.1	470.8
54°	488.6	486.0	478.5	470.5	458.1	457.9	460.3	449.9	452.6	454.8	455.5
54.5°	473.6	470.9	462.9	455.5	443.3	443.0	445.6	435.4	438.0	440.3	440.4
55°	458.7	455.8	448.2	440.1	428.8	428.5	430.8	421.1	423.9	425.6	425.4
55.5°	444.0	441.4	433.4	425.6	413.9	413.9	416.3	406.6	409.4	411.3	410.8
56°	429.0	426.4	419.0	411.1	399.7	399.5	402.1	392.7	395.5	396.9	396.0
56.5°	414.8	412.1	404.6	396.8	385.6	385.4	388.3	379.0	381.7	382.8	381.6
57°	400.6	397.6	390.3	382.4	371.8	371.6	374.2	365.5	368.1	368.7	367.6
57.5°	386.3	383.9	376.1	368.8	358.2	358.2	360.7	352.0	354.7	355.1	353.5
58°	372.2	369.8	362.4	355.0	344.6	344.6	347.4	338.9	341.6	341.9	339.8
58.5°	358.9	356.4	349.2	341.8	331.6	331.7	334.4	325.9	328.4	328.6	326.4
59°	345.3	343.1	336.2	328.5	318.7	318.8	321.5	313.2	315.6	315.5	313.0
59.5°	330.3	332.4	323.5	315.9	306.0	306.1	308.8	300.5	302.6	302.6	299.9
60°	317.8	319.0	310.8	308.6	293.4	293.6	296.1	288.1	290.4	289.9	287.1
60.5°	305.4	305.6	298.1	295.1	281.3	281.4	283.9	276.0	278.0	277.6	274.4
61°	293.0	292.2	285.4	281.7	269.6	269.6	272.0	264.1	266.3	265.2	262.1
61.5°	280.6	278.8	272.7	268.2	257.9	257.9	260.2	252.5	254.3	253.3	250.1
62°	268.7	266.9	260.9	254.8	246.4	246.6	248.6	241.0	242.7	241.6	238.4
62.5°	256.5	255.0	249.1	243.6	235.3	235.4	237.5	229.6	230.9	229.9	226.5
63°	244.7	243.3	237.7	232.5	224.2	224.2	226.1	218.5	219.8	218.4	215.0
63.5°	233.2	231.8	226.7	221.5	213.5	213.6	215.3	207.8	208.9	207.4	204.1
64°	221.9	220.5	215.8	210.9	203.1	203.2	205.0	197.2	198.2	196.7	193.4
64.5°	210.6	209.5	205.3	200.5	192.9	193.0	194.4	186.9	187.5	186.1	183.0
65°	200.0	198.9	194.7	190.5	183.0	183.2	184.4	176.9	177.3	175.6	172.7
65.5°	189.3	188.6	184.8	180.6	173.4	173.6	174.7	166.8	167.2	165.8	162.7
66°	178.9	178.2	175.0	171.1	164.0	164.1	165.1	157.3	157.4	155.8	152.9
66.5°	168.7	168.2	165.4	161.7	154.7	154.9	155.8	148.1	147.8	146.5	143.6
67°	158.9	158.6	156.1	152.7	146.0	146.1	146.8	139.1	138.6	137.3	134.7

TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	149.4	149.2	147.0	143.9	137.4	137.6	138.1	130.4	129.6	128.4	125.9
68°	139.9	140.2	138.3	135.4	129.2	129.3	129.7	121.8	120.9	119.8	117.3
68.5°	130.9	131.3	129.9	127.3	121.3	121.2	121.6	113.8	112.4	111.6	109.3
69°	122.1	122.9	121.7	119.4	113.6	113.6	113.8	106.0	104.0	103.6	101.6
69.5°	113.3	114.7	113.9	111.8	106.2	106.2	106.2	98.5	96.1	95.8	94.3
70°	105.2	106.8	106.3	104.5	99.2	99.1	99.0	91.6	89.5	89.4	88.0
70.5°	97.2	99.4	99.2	97.4	92.6	92.4	92.3	85.3	82.9	83.0	81.8
71°	89.6	92.0	92.3	90.8	86.9	86.5	86.2	79.0	76.3	76.6	75.6
71.5°	82.2	85.0	85.7	84.5	81.2	80.6	80.1	72.8	69.7	70.2	69.4
72°	75.7	78.5	79.4	78.5	75.5	74.7	74.1	66.5	63.1	63.8	63.2
72.5°	69.4	72.4	73.6	72.9	69.9	68.7	68.0	61.2	58.1	58.7	58.2
73°	63.8	66.9	68.1	67.5	64.2	63.8	63.0	56.3	53.3	54.1	53.6
73.5°	58.6	61.7	63.0	62.6	59.6	59.2	58.2	52.1	49.1	49.9	49.6
74°	53.9	57.0	58.3	58.0	55.5	55.1	53.9	48.2	45.2	46.2	45.9
74.5°	49.8	52.6	53.8	53.9	51.7	51.2	50.0	44.6	42.8	42.8	42.9
75°	45.9	48.7	49.8	50.1	48.1	47.6	46.5	41.5	40.4	40.3	40.7
75.5°	43.0	45.2	46.3	46.6	44.8	44.3	43.7	39.4	38.5	38.4	38.9
76°	41.0	42.2	43.2	43.5	42.3	41.9	40.9	37.6	36.6	36.6	36.9
76.5°	38.8	39.5	40.8	41.3	40.3	40.0	39.2	35.7	34.7	34.7	35.1
77°	36.9	37.7	39.0	39.4	38.5	38.1	37.4	33.9	32.9	32.9	33.3
77.5°	35.1	35.9	37.1	37.5	36.7	36.3	35.5	32.2	31.1	31.1	31.5
78°	33.3	34.1	35.3	35.7	34.9	34.5	33.8	30.3	29.4	29.3	29.7
78.5°	31.5	32.4	33.4	33.9	33.0	32.7	32.0	28.6	27.7	27.6	27.9
79°	29.8	30.6	31.7	32.2	31.3	31.0	30.2	26.9	26.0	25.8	26.2
79.5°	28.1	28.9	30.0	30.6	29.6	29.3	28.4	25.2	24.3	24.1	24.6
80°	26.3	27.2	28.4	28.9	27.9	27.6	26.7	23.6	22.6	22.5	23.0
80.5°	24.6	25.4	26.7	27.2	26.2	25.9	25.0	21.9	21.0	20.9	21.3
81°	22.9	23.8	25.0	25.5	24.6	24.3	23.3	20.2	19.3	19.3	19.7
81.5°	21.3	22.1	23.3	23.8	22.9	22.6	21.7	18.6	17.7	17.7	18.2
82°	19.6	20.5	21.7	22.2	21.3	21.1	20.2	17.1	16.2	16.1	16.7
82.5°	18.1	18.9	20.2	20.6	19.7	19.5	18.6	15.5	14.6	14.6	15.2
83°	16.5	17.3	18.6	19.1	18.2	18.0	17.1	13.9	13.1	13.0	13.7
83.5°	14.9	15.7	17.0	17.5	16.7	16.4	15.6	12.4	11.7	11.5	12.3
84°	13.4	14.1	15.6	16.0	15.2	14.9	14.1	11.0	10.3	10.2	11.0
84.5°	11.9	12.6	14.1	14.5	13.7	13.5	12.6	9.7	8.9	8.9	9.6
85°	10.5	11.1	12.6	13.1	12.2	12.0	11.2	8.3	7.6	7.6	8.3
85.5°	9.0	9.7	11.2	11.6	10.8	10.6	9.8	7.0	6.2	6.2	6.9
86°	7.6	8.3	9.8	10.2	9.4	9.2	8.5	5.7	4.8	4.9	5.6
86.5°	6.3	7.0	8.5	8.8	8.0	7.9	7.1	4.4	3.7	3.7	4.3
87°	5.1	5.8	7.1	7.4	6.7	6.5	5.8	3.3	2.6	2.7	3.0
87.5°	4.0	4.6	5.8	6.1	5.3	5.1	4.4	2.2	1.7	1.7	1.8
88°	3.2	3.4	4.5	4.7	3.9	3.8	3.2	1.3	0.9	0.8	0.7
88.5°	2.5	2.6	3.3	3.4	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: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

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	0.9	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	0.1	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	0.1	0.1	0.1
107.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	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	0.1	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°	0.2	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

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	0.2	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	0.2
117.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	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	0.3	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	0.3	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°	0.4	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	0.4	0.4	0.4	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: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.6	0.6	0.5	0.5	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	0.5	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	0.6	0.6	0.6	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	0.6	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	0.7	0.7	0.7
148°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	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	0.7	0.7	0.7	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°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.8	0.8
154.5°	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.8
155°	0.8	0.7	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	0.8	0.8	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: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

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	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
158°	0.8	0.8	0.7	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	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.8	0.8	0.8	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160.5°	0.8	0.8	0.8	0.7	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	0.9	0.9	0.9
162°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	0.9	0.9
163°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	0.9	0.9
163.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.9
164°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.9
164.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.9
165°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9
165.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9
166°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9
166.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9
167°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9
167.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0
168°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0
168.5°	0.8	0.8	0.8	0.8	0.9	0.9	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°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
174.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	0.9	0.9	0.8	0.8	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: P640161
CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1558.6	1558.6	1558.6	1558.6	1558.6	1558.6
0.5°	1558.3	1558.5	1558.7	1558.6	1559.0	1558.8
1°	1557.9	1558.6	1558.7	1558.4	1559.1	1558.7
1.5°	1557.2	1558.2	1558.6	1558.4	1559.2	1558.6
2°	1556.5	1557.7	1558.3	1558.0	1558.9	1558.5
2.5°	1555.4	1557.0	1557.8	1557.4	1558.5	1557.9
3°	1554.3	1556.3	1556.9	1556.7	1558.0	1557.1
3.5°	1553.0	1555.1	1555.9	1555.5	1557.2	1556.4
4°	1551.4	1553.8	1554.6	1554.3	1556.0	1555.1
4.5°	1549.8	1552.1	1553.3	1553.4	1554.8	1554.0
5°	1548.1	1550.6	1551.6	1551.7	1553.4	1552.6
5.5°	1545.7	1548.9	1549.8	1550.0	1551.7	1550.7
6°	1543.4	1547.1	1547.6	1547.7	1549.9	1548.8
6.5°	1541.0	1544.4	1545.3	1545.2	1548.0	1546.6
7°	1538.1	1542.2	1543.2	1543.2	1545.6	1544.4
7.5°	1535.5	1539.4	1540.5	1540.4	1543.3	1541.8
8°	1532.3	1536.5	1537.9	1537.8	1540.7	1539.0
8.5°	1528.9	1533.5	1534.9	1534.9	1538.0	1536.4
9°	1525.3	1530.3	1531.6	1531.5	1534.6	1533.0
9.5°	1521.7	1527.0	1528.2	1527.7	1531.5	1529.6
10°	1517.6	1523.1	1524.5	1524.7	1527.9	1526.2
10.5°	1513.7	1519.1	1520.7	1520.8	1524.2	1522.4
11°	1509.5	1515.3	1517.0	1516.6	1520.3	1518.5
11.5°	1504.9	1511.0	1512.9	1512.4	1516.2	1514.4
12°	1500.1	1506.5	1508.3	1507.8	1511.6	1509.7
12.5°	1495.5	1502.1	1503.7	1503.2	1507.0	1505.0
13°	1490.3	1496.9	1498.8	1498.4	1502.6	1500.4
13.5°	1485.0	1492.1	1493.9	1493.3	1497.5	1495.5
14°	1479.6	1486.7	1488.8	1488.1	1492.3	1490.3
14.5°	1473.9	1481.6	1483.2	1482.6	1487.0	1484.9
15°	1467.9	1475.9	1477.4	1476.7	1481.5	1479.0
15.5°	1461.6	1470.0	1471.8	1470.7	1475.5	1473.1
16°	1455.4	1464.0	1465.6	1464.5	1469.5	1467.1
16.5°	1448.9	1457.8	1459.4	1458.0	1463.2	1460.7
17°	1442.4	1451.5	1453.2	1451.8	1456.6	1454.3
17.5°	1435.4	1444.7	1446.5	1445.4	1450.2	1447.5
18°	1428.4	1437.6	1439.3	1438.1	1443.5	1440.6
18.5°	1421.2	1430.6	1432.2	1430.7	1436.1	1433.6
19°	1413.5	1423.4	1424.9	1423.6	1429.0	1426.1
19.5°	1405.8	1416.0	1417.6	1415.8	1421.7	1418.6
20°	1397.9	1408.4	1409.6	1408.1	1413.9	1410.8
20.5°	1389.9	1400.6	1401.8	1399.9	1405.8	1403.1
21°	1381.3	1392.5	1393.8	1391.5	1397.8	1394.9
21.5°	1372.8	1383.9	1385.4	1383.0	1389.4	1386.3
22°	1364.1	1375.4	1376.6	1374.5	1381.0	1377.7



TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1355.3	1367.0	1368.1	1366.2	1372.0	1369.0
23°	1346.0	1357.8	1358.9	1356.9	1362.9	1360.0
23.5°	1337.0	1349.0	1349.8	1347.5	1354.1	1350.9
24°	1327.6	1339.5	1340.4	1337.8	1344.7	1341.3
24.5°	1318.0	1330.1	1330.8	1328.3	1334.7	1331.6
25°	1307.7	1320.3	1321.0	1318.7	1325.0	1322.0
25.5°	1297.7	1310.5	1311.1	1308.3	1314.9	1311.9
26°	1287.6	1300.7	1301.1	1297.8	1304.9	1301.4
26.5°	1277.3	1290.2	1290.7	1287.5	1294.5	1291.3
27°	1266.3	1279.8	1280.0	1276.7	1283.8	1280.8
27.5°	1255.3	1269.1	1269.6	1265.8	1272.8	1270.0
28°	1244.2	1258.3	1258.4	1254.6	1261.8	1259.1
28.5°	1233.5	1247.1	1247.2	1243.5	1250.6	1247.9
29°	1221.8	1235.8	1235.9	1232.1	1239.4	1236.6
29.5°	1210.1	1224.5	1224.5	1220.3	1227.9	1225.2
30°	1198.3	1212.9	1212.5	1208.4	1216.7	1213.7
30.5°	1186.7	1201.2	1200.6	1196.3	1204.7	1201.8
31°	1174.2	1188.7	1188.4	1183.9	1192.8	1189.6
31.5°	1161.7	1176.4	1176.1	1171.5	1180.6	1177.5
32°	1149.4	1164.2	1163.8	1158.9	1168.1	1165.3
32.5°	1136.8	1151.7	1150.8	1146.3	1155.4	1153.0
33°	1123.6	1138.5	1137.8	1133.5	1143.1	1140.4
33.5°	1110.8	1125.7	1124.6	1120.5	1130.3	1127.5
34°	1097.5	1112.7	1111.9	1107.3	1117.2	1114.5
34.5°	1084.4	1099.1	1098.0	1093.6	1104.2	1101.5
35°	1070.9	1085.6	1084.6	1080.4	1090.7	1088.5
35.5°	1057.3	1072.4	1071.1	1066.9	1077.4	1075.0
36°	1044.1	1058.9	1057.7	1053.3	1064.1	1061.6
36.5°	1029.9	1045.2	1044.0	1039.6	1050.6	1048.5
37°	1016.3	1031.0	1030.3	1025.8	1036.8	1035.0
37.5°	1002.1	1017.4	1015.5	1011.7	1022.8	1021.3
38°	987.7	1002.9	1001.4	997.5	1009.1	1007.6
38.5°	972.6	988.1	986.9	983.1	994.7	993.3
39°	957.4	972.5	971.7	968.1	980.7	979.2
39.5°	941.4	956.8	955.2	952.3	966.6	965.4
40°	925.4	940.9	939.3	936.0	951.2	951.0
40.5°	909.0	924.6	922.8	919.7	935.4	936.1
41°	892.4	908.1	906.2	903.1	919.4	920.4
41.5°	875.7	890.9	888.9	886.0	903.1	904.2
42°	858.8	874.0	871.8	869.0	885.8	887.6
42.5°	841.4	857.1	855.0	852.3	869.1	871.0
43°	824.2	839.8	837.3	835.1	852.4	853.9
43.5°	807.0	821.8	819.4	817.2	835.2	837.0
44°	789.9	804.3	802.1	800.0	817.4	820.0
44.5°	772.7	786.8	784.2	782.7	800.7	802.7



TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	754.8	769.1	766.5	765.4	783.5	785.3
45.5°	737.7	751.2	749.1	747.7	766.1	768.6
46°	720.7	733.8	731.4	730.4	748.7	751.1
46.5°	703.6	715.7	713.3	713.1	732.0	734.2
47°	686.6	698.0	695.8	695.8	714.4	716.8
47.5°	669.5	679.8	678.4	678.2	697.2	700.0
48°	652.5	662.7	661.0	661.4	680.3	682.9
48.5°	635.4	645.1	643.3	644.2	663.4	665.9
49°	618.6	627.7	626.6	627.1	646.4	649.1
49.5°	601.4	610.8	609.6	610.4	629.5	632.9
50°	584.6	593.4	592.2	593.5	613.0	616.1
50.5°	567.8	576.2	575.4	576.6	596.4	599.8
51°	551.7	559.5	558.7	560.3	580.0	583.0
51.5°	535.7	543.0	542.1	544.2	563.8	567.2
52°	518.9	526.6	525.8	528.0	547.5	551.1
52.5°	502.7	510.4	509.6	512.1	531.9	535.5
53°	486.9	494.2	493.6	496.2	515.8	519.8
53.5°	471.3	478.4	477.7	480.3	500.4	504.1
54°	455.6	462.7	462.2	464.8	484.7	488.6
54.5°	440.3	447.5	447.0	449.6	469.7	473.6
55°	425.2	432.4	431.6	435.0	454.8	458.7
55.5°	410.4	417.4	416.8	420.1	439.5	444.0
56°	395.7	402.5	402.1	405.0	424.7	429.0
56.5°	381.1	387.9	387.8	390.6	410.6	414.8
57°	366.7	373.3	373.3	376.4	396.2	400.6
57.5°	353.1	359.6	359.2	362.4	381.8	386.3
58°	339.2	345.6	345.4	348.5	367.8	372.2
58.5°	325.8	329.9	329.8	335.5	354.4	358.9
59°	312.2	317.2	317.3	322.4	341.1	345.3
59.5°	299.0	304.6	304.7	309.4	333.7	330.3
60°	286.1	292.1	292.2	296.4	319.4	317.8
60.5°	273.8	279.6	279.7	283.3	305.0	305.4
61°	261.1	266.9	267.3	270.3	290.5	293.0
61.5°	249.1	254.9	255.3	258.2	276.2	280.6
62°	237.1	243.0	243.3	246.4	264.2	268.7
62.5°	225.5	231.2	231.6	234.7	252.2	256.5
63°	214.2	219.6	220.3	223.2	240.3	244.7
63.5°	203.0	208.4	209.2	212.2	228.6	233.2
64°	192.1	197.5	198.3	201.3	217.6	221.9
64.5°	181.6	186.8	187.7	190.8	206.3	210.6
65°	171.0	176.4	177.3	180.3	195.7	200.0
65.5°	161.3	166.2	167.2	170.3	185.3	189.3
66°	151.5	156.3	157.4	160.4	174.9	178.9
66.5°	142.1	146.8	147.8	150.9	164.8	168.7
67°	133.1	137.4	138.6	141.8	155.3	158.9



TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	124.2	128.6	129.8	132.9	145.7	149.4
68°	115.8	120.0	121.3	124.3	136.7	139.9
68.5°	107.9	111.8	113.2	116.0	127.9	130.9
69°	100.2	103.8	105.1	107.8	119.4	122.1
69.5°	92.9	96.3	97.6	100.2	111.2	113.3
70°	86.6	89.1	90.6	93.2	103.2	105.2
70.5°	80.3	82.7	83.9	86.3	95.8	97.2
71°	74.0	76.4	77.6	79.6	88.6	89.6
71.5°	67.7	70.6	71.7	73.6	81.9	82.2
72°	62.5	65.2	66.2	68.1	75.5	75.7
72.5°	57.8	60.5	61.2	62.8	69.5	69.4
73°	53.5	56.0	56.7	57.8	63.9	63.8
73.5°	49.6	52.0	52.6	53.5	58.8	58.6
74°	46.0	48.1	48.6	49.6	54.1	53.9
74.5°	43.0	44.9	45.2	46.0	50.0	49.8
75°	40.9	42.3	42.6	42.9	46.3	45.9
75.5°	39.0	40.3	40.5	40.7	43.0	43.0
76°	37.1	38.3	38.5	38.8	40.3	41.0
76.5°	35.2	36.4	36.6	36.9	38.4	38.8
77°	33.4	34.5	34.8	35.1	36.6	36.9
77.5°	31.6	32.8	33.4	33.3	34.8	35.1
78°	29.8	31.0	31.6	31.5	33.4	33.3
78.5°	28.1	29.3	29.7	29.7	31.6	31.5
79°	26.4	27.5	27.9	28.0	29.7	29.8
79.5°	24.7	25.8	26.0	26.2	27.9	28.1
80°	23.1	24.1	24.3	24.5	26.0	26.3
80.5°	21.5	22.6	22.8	22.8	24.3	24.6
81°	19.9	20.9	21.2	21.2	22.6	22.9
81.5°	18.4	19.4	19.6	19.7	20.9	21.3
82°	16.9	17.8	18.0	18.2	19.3	19.6
82.5°	15.3	16.3	16.5	16.7	17.7	18.1
83°	13.9	14.8	15.0	15.1	16.1	16.5
83.5°	12.4	13.3	13.5	13.6	14.6	14.9
84°	11.0	11.9	12.1	12.1	13.1	13.4
84.5°	9.7	10.4	10.7	10.7	11.6	11.9
85°	8.3	9.1	9.3	9.4	10.1	10.5
85.5°	6.9	7.7	7.9	8.0	8.6	9.0
86°	5.6	6.3	6.5	6.6	7.3	7.6
86.5°	4.2	5.0	5.2	5.3	6.1	6.3
87°	3.0	3.7	3.9	4.1	4.9	5.1
87.5°	1.7	2.8	3.0	2.9	3.7	4.0
88°	0.6	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	1.0	1.1	1.7
89.5°	0.1	0.1	0.1	0.7	0.2	0.9



TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

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	0.1	0.1	0.1	0.1	0.1
100°	0.1	0.2	0.1	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°	0.1	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	0.2
112°	0.2	0.3	0.2	0.3	0.2	0.3



TEST NUMBER: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

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	0.3	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	0.4
127.5°	0.4	0.4	0.4	0.4	0.4	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: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.5	0.5	0.5	0.5	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°	0.6	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	0.6	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°	0.7	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	0.7
154.5°	0.8	0.7	0.7	0.7	0.7	0.8
155°	0.8	0.7	0.7	0.7	0.7	0.8
155.5°	0.9	0.7	0.7	0.7	0.7	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: P640161

CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.9	0.7	0.7	0.7	0.8	0.8
158°	0.9	0.7	0.7	0.7	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	0.7	0.8	0.8	0.8
160°	0.9	0.7	0.7	0.8	0.8	0.8
160.5°	0.9	0.7	0.7	0.8	0.8	0.8
161°	0.9	0.7	0.8	0.8	0.8	0.8
161.5°	0.9	0.7	0.8	0.8	0.8	0.8
162°	0.9	0.7	0.8	0.8	0.8	0.8
162.5°	0.9	0.7	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°	0.9	0.8	0.8	0.8	0.8	0.8
165.5°	0.9	0.8	0.8	0.8	0.8	0.8
166°	0.9	0.8	0.8	0.8	0.8	0.8
166.5°	0.9	0.8	0.8	0.8	0.8	0.8
167°	0.9	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	0.8	0.8	0.8
174.5°	1.0	0.8	0.8	0.9	0.9	0.8
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	0.9	0.9	0.9	0.9	0.9
179.5°	1.0	1.0	1.0	1.0	0.9	0.9



TEST NUMBER: P640161
CATALOG NUMBER: LCR630RD9FSE040-42W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)