

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: P640158

Luminaire Tested: LCR630RD9FSE010-42W-4000K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640158
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-4000K
Description: LCR 6
Light Source: 4000K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

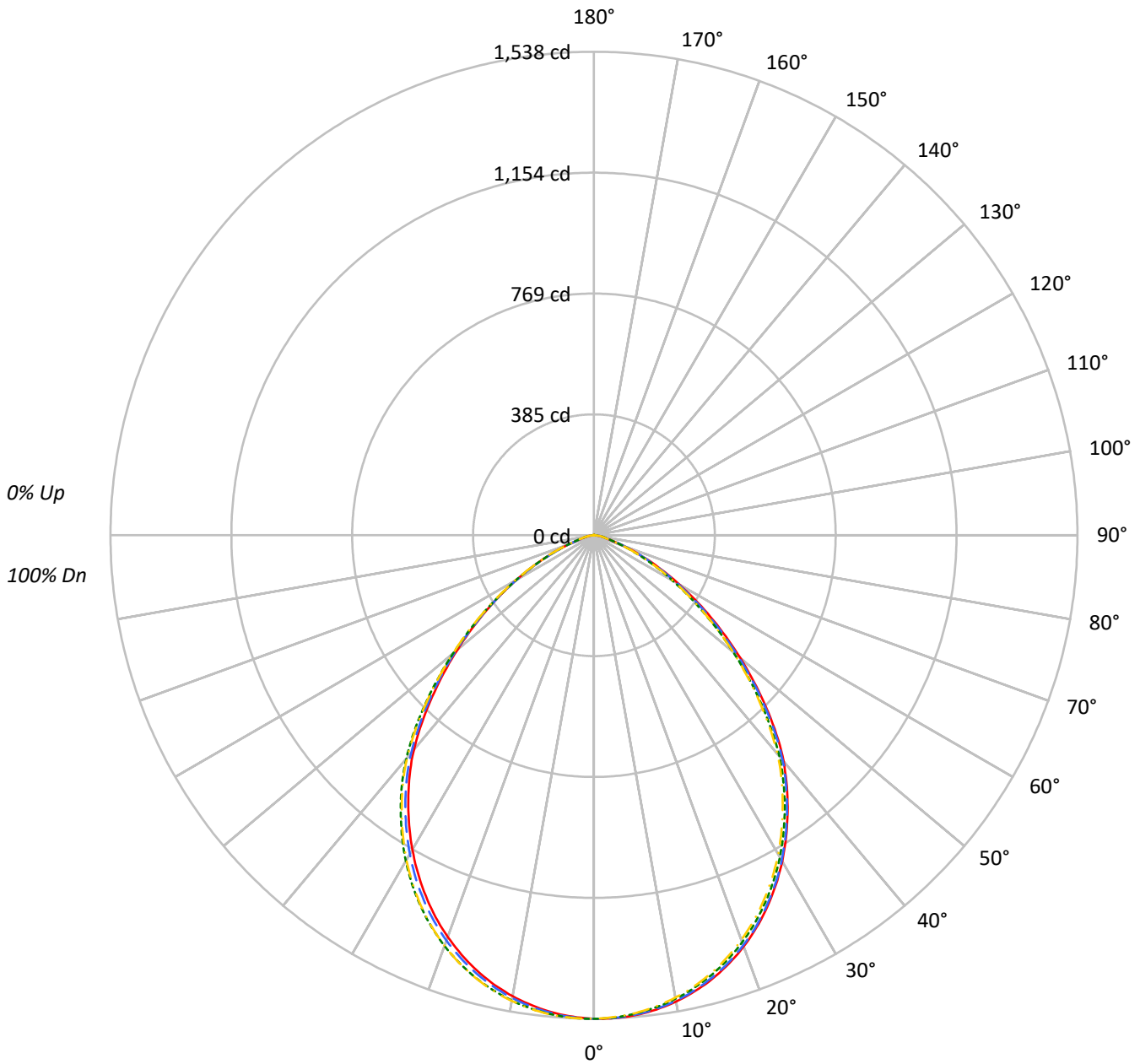
Lumens per Lamp: N/A
Luminaire Lumens: 3020.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 32.4
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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	84324	84324	84324	84324
5°	84322	84030	83832	84217
10°	83844	83332	82886	83677
15°	82844	82146	81414	82674
20°	81225	80396	79323	81090
25°	78924	77974	76571	78815
30°	75822	74860	73094	75771
35°	71895	70818	68897	71701
40°	67162	65616	63769	66453
45°	60092	57967	56417	58851
50°	51853	49320	48357	49951
55°	43267	40448	39989	40782
60°	34383	31752	31423	31609
65°	25606	23427	22700	22583
70°	16637	15692	14153	14105
75°	9595	10061	8451	8854
80°	8208	8682	7040	7514
85°	6479	7611	4717	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 60092 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	4.8
10°-20°	408.1	13.5
20°-30°	593.2	19.6
30°-40°	659.8	21.8
40°-50°	578.5	19.2
50°-60°	385.8	12.8
60°-70°	183.0	6.1
70°-80°	52.7	1.7
80°-90°	11.6	0.4
90°-100°	0.1	0.0
100°-110°	0.2	0.0
110°-120°	0.2	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°	1146.3	38.0
0°-40°	1806.1	59.8
0°-60°	2770.4	91.7
0°-90°	3017.6	99.9
90°-120°	0.5	0.0
90°-150°	1.7	0.1
90°-180°	2.0	0.1
0°-180°	3020.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1538	1538	1538	1538	1538	
5°	1532	1527	1523	1530	1532	145
15°	1460	1447	1434	1457	1460	411
25°	1305	1289	1266	1303	1305	600
35°	1074	1058	1030	1071	1074	670
45°	775	748	728	759	775	596
55°	453	423	418	427	453	406
65°	197	181	175	174	197	198
75°	45	48	40	42	45	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1538.2	1538.2	1538.2	1538.2	1538.2	1538.2	1538.2	1538.2	1538.2	1538.2	1538.2
0.5°	1538.4	1538.6	1538.3	1538.1	1537.9	1538.0	1537.6	1537.6	1537.5	1538.0	1538.0
1°	1538.3	1538.5	1538.3	1537.7	1537.6	1537.5	1536.9	1536.8	1536.8	1537.2	1537.4
1.5°	1538.2	1538.6	1538.1	1537.4	1536.8	1536.7	1536.3	1535.6	1535.7	1536.3	1536.5
2°	1538.1	1538.1	1537.8	1537.0	1536.2	1536.0	1535.2	1534.5	1534.7	1535.1	1535.8
2.5°	1537.5	1537.6	1537.1	1535.9	1535.1	1534.8	1534.0	1533.1	1533.1	1534.3	1534.9
3°	1536.7	1537.3	1536.3	1535.2	1534.0	1533.1	1532.7	1531.7	1531.6	1532.5	1533.9
3.5°	1536.0	1535.6	1535.3	1534.1	1532.4	1531.8	1531.4	1529.6	1529.8	1530.8	1532.3
4°	1534.8	1534.6	1533.7	1532.6	1530.9	1530.2	1529.4	1527.7	1527.9	1529.0	1530.4
4.5°	1533.7	1533.3	1532.3	1531.2	1528.9	1528.2	1527.6	1525.7	1525.8	1527.2	1528.4
5°	1532.3	1531.7	1530.7	1529.4	1527.0	1526.3	1525.6	1523.4	1523.4	1524.4	1526.2
5.5°	1530.5	1530.1	1528.9	1527.3	1525.0	1523.9	1523.0	1520.9	1520.8	1522.5	1524.0
6°	1528.6	1527.9	1526.8	1525.3	1522.5	1521.4	1520.6	1518.0	1518.1	1520.0	1521.6
6.5°	1526.4	1525.4	1524.6	1522.9	1519.9	1518.9	1517.8	1515.4	1515.4	1517.2	1518.9
7°	1524.2	1523.3	1522.2	1520.5	1517.3	1516.2	1514.7	1511.9	1512.0	1513.8	1516.2
7.5°	1521.7	1520.9	1519.7	1517.7	1514.6	1513.2	1511.3	1508.9	1508.6	1510.8	1513.0
8°	1518.9	1517.5	1516.9	1514.8	1511.4	1510.2	1508.5	1505.1	1505.2	1507.1	1509.7
8.5°	1516.3	1515.3	1513.8	1511.8	1508.4	1506.8	1504.8	1501.5	1501.5	1503.6	1506.4
9°	1513.0	1512.0	1510.6	1508.4	1504.7	1503.4	1501.1	1497.4	1497.4	1499.8	1502.9
9.5°	1509.6	1508.4	1507.2	1505.0	1501.0	1499.3	1497.5	1493.3	1493.4	1495.9	1498.8
10°	1506.2	1504.9	1503.4	1501.1	1497.0	1495.4	1493.4	1489.0	1489.0	1491.6	1494.7
10.5°	1502.5	1501.3	1499.7	1497.4	1493.0	1491.2	1489.1	1484.3	1484.7	1487.3	1490.7
11°	1498.7	1497.1	1495.5	1493.5	1488.8	1486.8	1484.7	1479.3	1479.7	1482.5	1486.2
11.5°	1494.6	1492.9	1491.4	1488.8	1484.2	1482.1	1480.1	1474.5	1474.5	1477.6	1481.5
12°	1490.0	1488.2	1486.8	1484.3	1479.6	1477.5	1475.2	1469.3	1469.6	1472.5	1476.6
12.5°	1485.3	1484.4	1482.2	1479.9	1474.8	1472.6	1470.0	1464.1	1464.4	1467.4	1471.6
13°	1480.8	1478.9	1477.1	1475.0	1469.8	1467.3	1465.0	1458.7	1458.6	1461.8	1466.2
13.5°	1475.9	1474.3	1472.2	1470.0	1464.6	1461.8	1459.4	1452.8	1452.9	1456.5	1460.9
14°	1470.8	1468.8	1467.0	1464.7	1459.0	1456.4	1453.8	1446.8	1446.8	1450.6	1455.1
14.5°	1465.5	1463.4	1461.5	1459.2	1453.4	1450.8	1447.8	1440.5	1440.7	1444.4	1449.4
15°	1459.7	1457.5	1456.1	1453.6	1447.4	1444.7	1441.7	1434.3	1434.5	1438.7	1443.4
15.5°	1453.8	1452.6	1450.0	1447.7	1441.4	1438.6	1435.6	1427.8	1427.9	1431.6	1437.1
16°	1448.0	1446.5	1444.0	1441.6	1435.0	1432.4	1429.2	1421.2	1421.0	1425.0	1430.5
16.5°	1441.6	1439.7	1438.0	1435.4	1428.8	1425.9	1422.4	1414.0	1414.2	1418.2	1424.0
17°	1435.2	1433.5	1431.3	1428.9	1422.2	1419.0	1415.5	1406.9	1406.9	1411.3	1416.9
17.5°	1428.6	1427.4	1424.6	1422.5	1415.4	1412.0	1408.4	1399.6	1399.7	1404.1	1409.9
18°	1421.8	1420.2	1418.0	1415.7	1408.1	1405.0	1401.1	1391.9	1391.9	1396.1	1402.7
18.5°	1414.8	1414.2	1410.8	1408.4	1400.9	1397.7	1393.8	1384.3	1383.9	1388.7	1395.3
19°	1407.5	1406.0	1403.3	1401.1	1393.5	1390.2	1386.0	1376.4	1375.9	1380.6	1387.5
19.5°	1400.1	1398.6	1396.1	1393.6	1386.1	1382.5	1378.6	1368.4	1368.0	1373.2	1380.0
20°	1392.3	1390.3	1388.1	1386.1	1378.1	1374.6	1370.2	1360.2	1359.7	1364.9	1371.8
20.5°	1384.7	1382.8	1380.5	1378.3	1370.0	1366.7	1362.0	1351.6	1351.1	1356.6	1363.7
21°	1376.7	1374.2	1372.2	1370.4	1361.9	1358.4	1353.6	1342.7	1342.3	1347.7	1355.1
21.5°	1368.2	1366.4	1364.1	1361.8	1353.6	1349.7	1345.0	1334.0	1333.7	1338.7	1346.4
22°	1359.7	1357.9	1355.7	1353.2	1345.0	1341.3	1336.7	1324.9	1324.5	1329.8	1337.9



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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°	1351.1	1348.7	1347.1	1344.7	1336.1	1332.3	1327.0	1315.5	1315.2	1320.8	1328.7
23°	1342.2	1339.8	1338.0	1336.0	1327.1	1323.2	1318.0	1306.2	1305.7	1311.1	1319.5
23.5°	1333.2	1330.6	1329.3	1327.1	1318.0	1313.9	1309.0	1296.5	1296.2	1301.5	1309.8
24°	1323.7	1319.7	1319.9	1317.7	1308.8	1304.7	1299.6	1286.6	1286.1	1291.9	1300.1
24.5°	1314.2	1310.6	1310.4	1308.2	1298.9	1295.0	1289.6	1276.8	1276.3	1282.0	1290.8
25°	1304.8	1303.9	1300.5	1298.6	1289.1	1285.2	1279.6	1266.6	1265.9	1271.8	1280.6
25.5°	1294.8	1293.0	1290.7	1288.7	1279.4	1275.3	1269.6	1256.5	1255.8	1261.6	1270.5
26°	1284.4	1282.7	1280.8	1278.8	1269.3	1265.0	1259.7	1246.0	1245.0	1250.9	1260.2
26.5°	1274.5	1272.5	1270.6	1268.7	1259.3	1254.8	1248.8	1235.1	1234.5	1240.4	1249.9
27°	1264.1	1261.6	1260.3	1258.3	1248.6	1244.2	1238.8	1224.4	1223.5	1229.7	1239.3
27.5°	1253.4	1251.1	1249.8	1247.9	1238.0	1233.8	1228.0	1213.4	1212.6	1218.2	1228.3
28°	1242.7	1240.3	1239.0	1237.2	1227.4	1222.8	1217.3	1202.2	1201.1	1207.3	1217.2
28.5°	1231.5	1229.6	1228.1	1226.2	1216.5	1211.8	1205.9	1191.1	1190.0	1196.7	1205.8
29°	1220.4	1218.2	1217.2	1215.2	1205.4	1200.8	1195.0	1179.2	1178.4	1184.6	1194.7
29.5°	1209.2	1207.0	1205.7	1204.3	1194.0	1189.5	1183.5	1167.8	1166.6	1173.1	1183.2
30°	1197.8	1195.5	1194.3	1192.7	1182.6	1178.2	1172.0	1155.9	1154.7	1161.0	1171.2
30.5°	1186.1	1183.9	1182.7	1181.4	1170.6	1166.3	1160.2	1144.0	1143.1	1149.2	1159.4
31°	1174.1	1172.3	1170.5	1169.1	1159.1	1154.5	1148.5	1131.5	1130.8	1137.2	1147.2
31.5°	1162.1	1159.9	1158.6	1157.3	1147.0	1142.4	1135.9	1119.6	1118.5	1125.0	1135.0
32°	1150.1	1147.9	1147.0	1145.3	1135.0	1130.4	1123.8	1106.9	1105.9	1112.8	1122.6
32.5°	1137.9	1135.6	1134.4	1133.0	1122.2	1118.1	1111.2	1094.6	1093.7	1100.1	1110.3
33°	1125.5	1123.3	1122.2	1120.9	1109.6	1105.3	1098.9	1081.8	1080.9	1087.4	1097.6
33.5°	1112.8	1110.3	1109.1	1107.8	1096.9	1092.2	1086.1	1068.8	1068.3	1074.8	1084.4
34°	1100.0	1097.7	1096.7	1095.2	1084.3	1079.8	1073.5	1056.1	1055.4	1061.9	1072.1
34.5°	1087.1	1085.1	1083.7	1082.5	1071.1	1066.6	1060.1	1043.2	1042.7	1048.9	1058.7
35°	1074.3	1072.2	1070.7	1069.4	1058.2	1053.5	1047.1	1030.2	1029.5	1035.7	1045.9
35.5°	1061.0	1059.0	1057.5	1055.6	1044.7	1040.4	1033.8	1016.9	1016.7	1023.0	1032.7
36°	1047.8	1046.1	1044.4	1042.4	1031.4	1027.0	1021.1	1003.9	1003.5	1010.0	1019.5
36.5°	1034.8	1032.6	1030.9	1029.0	1017.8	1013.3	1007.5	990.4	990.0	996.4	1005.8
37°	1021.5	1019.4	1017.3	1015.4	1004.0	999.5	993.7	976.9	976.5	982.8	992.3
37.5°	1008.0	1005.8	1004.0	1001.7	990.3	985.8	980.3	963.1	962.5	968.5	978.6
38°	994.4	992.4	990.3	988.3	976.4	972.2	966.9	949.7	948.7	955.4	964.7
38.5°	980.3	978.1	976.2	974.1	962.6	958.0	952.7	935.4	935.1	941.3	949.9
39°	966.4	964.3	962.3	960.1	947.8	943.5	938.4	921.1	921.4	927.3	935.3
39.5°	952.8	950.6	948.7	946.0	932.6	928.4	923.4	905.9	906.5	912.0	919.7
40°	938.5	936.4	933.5	930.8	916.9	912.7	908.1	890.2	891.1	896.6	903.9
40.5°	923.8	921.6	918.0	914.8	901.1	896.4	891.7	874.4	875.3	880.8	887.6
41°	908.4	906.2	902.4	898.5	884.4	880.0	875.4	857.9	859.4	864.8	872.0
41.5°	892.4	890.1	886.1	882.2	867.9	863.6	859.0	841.5	843.2	849.0	855.5
42°	876.0	873.8	869.7	865.6	850.8	846.8	842.6	825.2	826.7	832.6	839.4
42.5°	859.6	857.4	852.9	848.8	834.0	830.0	826.0	808.7	810.4	815.9	822.9
43°	842.8	840.8	836.2	831.9	816.9	813.1	809.1	791.6	793.7	799.4	806.1
43.5°	826.0	823.8	819.4	814.6	799.7	795.7	792.3	775.0	777.3	782.9	789.2
44°	809.3	806.9	802.5	797.3	782.1	778.6	775.4	758.6	760.6	766.9	772.9
44.5°	792.2	789.7	785.4	779.9	764.9	761.8	758.7	742.2	744.3	749.8	755.8

TEST NUMBER: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	775.1	772.9	767.6	762.8	747.7	744.7	742.1	725.6	727.7	733.6	739.5
45.5°	758.5	756.0	751.0	745.2	730.6	727.8	725.2	709.3	711.5	717.5	722.7
46°	741.3	739.0	733.9	728.0	713.6	710.9	708.7	693.1	695.3	701.3	706.2
46.5°	724.6	722.1	716.9	710.8	696.6	694.1	692.2	676.8	679.0	685.2	689.8
47°	707.4	704.8	699.1	693.2	679.6	677.2	675.7	660.6	662.8	669.0	673.3
47.5°	690.9	688.2	682.4	676.1	662.7	660.3	659.2	644.3	646.6	652.9	656.8
48°	674.0	671.3	665.6	658.9	645.7	643.5	642.7	627.9	630.7	636.2	640.7
48.5°	657.2	654.9	648.9	642.1	628.5	626.9	626.4	611.9	614.7	620.0	624.0
49°	640.6	638.0	631.3	625.3	611.6	610.1	610.0	596.4	598.9	603.8	607.5
49.5°	624.6	621.9	615.3	608.6	594.9	593.9	593.8	580.2	582.9	587.6	591.1
50°	608.0	605.5	598.9	592.0	578.3	577.3	577.3	564.5	567.0	571.7	575.0
50.5°	592.0	589.2	582.2	575.1	562.2	561.1	561.8	548.5	551.5	555.7	558.5
51°	575.4	572.9	565.7	558.8	545.5	544.8	545.6	533.6	536.1	540.5	542.7
51.5°	559.8	557.0	549.7	542.7	529.5	529.4	530.2	518.1	521.0	524.9	526.9
52°	543.9	541.4	534.0	526.8	513.7	513.4	514.8	502.9	505.7	509.2	511.1
52.5°	528.5	525.8	518.2	511.0	498.3	497.9	499.0	487.9	490.5	493.8	495.4
53°	513.0	510.0	502.8	495.2	482.6	482.2	483.9	473.4	476.1	478.6	480.1
53.5°	497.5	494.7	487.4	479.7	467.2	467.3	469.0	458.2	461.2	464.0	464.7
54°	482.2	479.6	472.2	464.4	452.1	452.0	454.3	444.0	446.7	448.9	449.6
54.5°	467.4	464.7	456.9	449.5	437.6	437.2	439.8	429.7	432.3	434.5	434.7
55°	452.7	449.8	442.3	434.4	423.2	422.9	425.2	415.6	418.4	420.1	419.8
55.5°	438.2	435.6	427.8	420.0	408.5	408.5	410.8	401.3	404.0	405.9	405.4
56°	423.4	420.8	413.5	405.7	394.4	394.2	396.9	387.6	390.3	391.7	390.8
56.5°	409.3	406.7	399.4	391.7	380.6	380.3	383.2	374.0	376.7	377.8	376.7
57°	395.4	392.4	385.2	377.4	366.9	366.8	369.3	360.7	363.3	363.9	362.8
57.5°	381.3	378.9	371.2	363.9	353.5	353.5	356.0	347.4	350.1	350.5	348.8
58°	367.4	364.9	357.7	350.4	340.1	340.1	342.8	334.5	337.1	337.4	335.4
58.5°	354.2	351.7	344.6	337.4	327.2	327.3	330.0	321.6	324.1	324.3	322.1
59°	340.8	338.6	331.8	324.2	314.5	314.6	317.3	309.1	311.4	311.4	308.9
59.5°	326.0	328.0	319.2	311.8	302.0	302.1	304.8	296.6	298.7	298.7	296.0
60°	313.6	314.9	306.7	304.5	289.6	289.7	292.2	284.4	286.6	286.1	283.4
60.5°	301.4	301.6	294.2	291.3	277.7	277.8	280.2	272.4	274.4	274.0	270.9
61°	289.1	288.4	281.7	278.0	266.0	266.1	268.4	260.6	262.8	261.8	258.7
61.5°	276.9	275.2	269.1	264.7	254.6	254.5	256.8	249.2	251.0	250.0	246.8
62°	265.2	263.4	257.5	251.4	243.1	243.4	245.3	237.9	239.6	238.4	235.3
62.5°	253.2	251.7	245.9	240.4	232.2	232.3	234.4	226.6	227.9	226.9	223.6
63°	241.5	240.1	234.6	229.5	221.2	221.3	223.1	215.6	216.9	215.6	212.2
63.5°	230.1	228.8	223.7	218.6	210.7	210.8	212.5	205.0	206.2	204.7	201.5
64°	219.0	217.6	213.0	208.2	200.4	200.6	202.3	194.6	195.6	194.1	190.9
64.5°	207.9	206.8	202.6	197.9	190.4	190.5	191.9	184.5	185.1	183.7	180.6
65°	197.4	196.3	192.2	188.0	180.6	180.8	182.0	174.6	175.0	173.3	170.4
65.5°	186.8	186.1	182.4	178.3	171.2	171.3	172.4	164.7	165.0	163.6	160.6
66°	176.6	175.9	172.7	168.8	161.9	161.9	162.9	155.2	155.4	153.8	150.9
66.5°	166.5	166.0	163.2	159.6	152.7	152.9	153.8	146.1	145.9	144.5	141.7
67°	156.8	156.5	154.1	150.7	144.1	144.2	144.9	137.3	136.8	135.5	132.9



TEST NUMBER: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	147.5	147.2	145.1	142.0	135.6	135.8	136.3	128.7	127.9	126.8	124.3
68°	138.1	138.4	136.5	133.6	127.6	127.7	128.0	120.2	119.3	118.2	115.8
68.5°	129.2	129.6	128.2	125.6	119.7	119.6	120.0	112.3	110.9	110.1	107.9
69°	120.5	121.3	120.1	117.9	112.1	112.1	112.3	104.6	102.6	102.2	100.3
69.5°	111.8	113.2	112.5	110.3	104.8	104.8	104.8	97.2	94.9	94.5	93.0
70°	103.8	105.5	104.9	103.1	97.9	97.8	97.7	90.4	88.3	88.2	86.9
70.5°	95.9	98.1	97.9	96.2	91.4	91.2	91.1	84.2	81.8	81.9	80.8
71°	88.4	90.8	91.1	89.6	85.8	85.4	85.1	78.0	75.3	75.6	74.6
71.5°	81.1	83.9	84.6	83.4	80.2	79.5	79.1	71.8	68.8	69.3	68.5
72°	74.7	77.5	78.4	77.4	74.6	73.7	73.1	65.7	62.3	62.9	62.3
72.5°	68.5	71.4	72.6	71.9	69.0	67.8	67.1	60.4	57.3	57.9	57.4
73°	62.9	66.0	67.2	66.6	63.4	63.0	62.2	55.6	52.6	53.4	52.9
73.5°	57.8	60.9	62.1	61.7	58.8	58.4	57.4	51.5	48.5	49.3	49.0
74°	53.2	56.2	57.5	57.3	54.8	54.3	53.2	47.5	44.6	45.6	45.3
74.5°	49.1	51.9	53.1	53.2	51.0	50.6	49.3	44.0	42.2	42.3	42.3
75°	45.3	48.1	49.2	49.4	47.5	47.0	45.9	41.0	39.9	39.8	40.2
75.5°	42.5	44.6	45.7	45.9	44.2	43.7	43.2	38.9	38.0	37.9	38.3
76°	40.5	41.6	42.6	42.9	41.8	41.4	40.4	37.1	36.1	36.1	36.4
76.5°	38.3	39.0	40.3	40.8	39.8	39.5	38.7	35.3	34.3	34.3	34.6
77°	36.4	37.2	38.5	38.9	38.0	37.6	36.9	33.5	32.5	32.4	32.8
77.5°	34.6	35.4	36.7	37.1	36.2	35.9	35.1	31.7	30.7	30.7	31.1
78°	32.8	33.7	34.9	35.3	34.4	34.0	33.3	30.0	29.0	28.9	29.3
78.5°	31.1	32.0	33.0	33.5	32.6	32.3	31.6	28.3	27.3	27.2	27.6
79°	29.4	30.2	31.3	31.8	30.9	30.6	29.8	26.6	25.6	25.5	25.9
79.5°	27.7	28.5	29.7	30.2	29.2	28.9	28.0	24.9	23.9	23.8	24.3
80°	26.0	26.8	28.0	28.5	27.5	27.2	26.3	23.2	22.3	22.2	22.7
80.5°	24.3	25.1	26.4	26.8	25.9	25.6	24.7	21.6	20.7	20.6	21.1
81°	22.6	23.5	24.7	25.1	24.2	24.0	23.0	20.0	19.1	19.0	19.5
81.5°	21.0	21.8	23.0	23.5	22.6	22.3	21.5	18.4	17.5	17.4	18.0
82°	19.4	20.2	21.4	21.9	21.0	20.8	19.9	16.8	16.0	15.9	16.5
82.5°	17.8	18.6	19.9	20.3	19.5	19.3	18.4	15.3	14.4	14.4	15.0
83°	16.2	17.0	18.4	18.8	18.0	17.8	16.9	13.8	13.0	12.9	13.6
83.5°	14.7	15.5	16.8	17.3	16.5	16.2	15.4	12.3	11.5	11.4	12.2
84°	13.2	13.9	15.4	15.8	15.0	14.8	13.9	10.8	10.2	10.1	10.8
84.5°	11.8	12.5	13.9	14.3	13.5	13.3	12.5	9.5	8.8	8.8	9.5
85°	10.3	11.0	12.5	12.9	12.1	11.9	11.0	8.2	7.5	7.5	8.2
85.5°	8.9	9.5	11.1	11.5	10.6	10.5	9.7	6.9	6.1	6.1	6.8
86°	7.5	8.1	9.7	10.1	9.3	9.1	8.4	5.6	4.8	4.8	5.5
86.5°	6.2	6.9	8.4	8.7	7.9	7.8	7.0	4.3	3.7	3.7	4.2
87°	5.0	5.7	7.0	7.3	6.6	6.4	5.7	3.2	2.6	2.7	2.9
87.5°	3.9	4.5	5.7	6.0	5.2	5.1	4.4	2.2	1.7	1.7	1.8
88°	3.2	3.4	4.5	4.7	3.9	3.7	3.2	1.3	0.9	0.8	0.7
88.5°	2.4	2.6	3.2	3.4	2.6	2.5	2.0	0.5	0.3	0.2	0.2
89°	1.7	1.8	2.5	2.6	1.4	1.3	0.9	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: P640158
 CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

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°	0.1	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	0.1	0.1	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	0.1	0.1	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

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	0.2	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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
120.5°	0.4	0.3	0.3	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	0.3	0.3	0.3
124°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
124.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3
125°	0.4	0.4	0.4	0.4	0.4	0.3	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	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
128°	0.5	0.5	0.4	0.4	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	0.4	0.4	0.4
130.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
131°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4
131.5°	0.5	0.5	0.5	0.5	0.5	0.4	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
134.5°	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P640158
 CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

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	0.5	0.5	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	0.5	0.5	0.5
136.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	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	0.5	0.5
137.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	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	0.6	0.6	0.6
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
144°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144.5°	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.6	0.6	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	0.7	0.7	0.7
148.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7
149°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7
149.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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	0.8	0.8	0.8
154.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.8
155.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.8
156°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9
156.5°	0.8	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.9	0.9	0.9
157°	0.8	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P640158
 CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

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



TEST NUMBER: P640158
CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

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: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1538.2	1538.2	1538.2	1538.2	1538.2	1538.2
0.5°	1537.9	1538.1	1538.3	1538.2	1538.7	1538.4
1°	1537.5	1538.2	1538.3	1538.0	1538.8	1538.3
1.5°	1536.8	1537.8	1538.2	1538.0	1538.9	1538.2
2°	1536.1	1537.3	1537.9	1537.6	1538.6	1538.1
2.5°	1535.1	1536.6	1537.4	1537.0	1538.1	1537.5
3°	1534.0	1535.9	1536.5	1536.3	1537.6	1536.7
3.5°	1532.7	1534.8	1535.5	1535.1	1536.8	1536.0
4°	1531.1	1533.5	1534.3	1534.0	1535.6	1534.8
4.5°	1529.6	1531.8	1533.0	1533.1	1534.5	1533.7
5°	1527.8	1530.4	1531.3	1531.4	1533.1	1532.3
5.5°	1525.5	1528.7	1529.6	1529.8	1531.4	1530.5
6°	1523.2	1526.8	1527.3	1527.4	1529.7	1528.6
6.5°	1520.9	1524.2	1525.1	1525.0	1527.7	1526.4
7°	1517.9	1522.1	1523.0	1523.0	1525.4	1524.2
7.5°	1515.4	1519.3	1520.4	1520.3	1523.1	1521.7
8°	1512.3	1516.4	1517.7	1517.7	1520.6	1518.9
8.5°	1509.0	1513.4	1514.8	1514.8	1517.8	1516.3
9°	1505.3	1510.3	1511.6	1511.5	1514.5	1513.0
9.5°	1501.8	1507.0	1508.3	1507.8	1511.5	1509.6
10°	1497.8	1503.2	1504.6	1504.7	1508.0	1506.2
10.5°	1493.9	1499.3	1500.8	1500.9	1504.3	1502.5
11°	1489.8	1495.5	1497.1	1496.7	1500.4	1498.7
11.5°	1485.2	1491.3	1493.1	1492.6	1496.3	1494.6
12°	1480.5	1486.8	1488.6	1488.1	1491.8	1490.0
12.5°	1475.9	1482.5	1484.0	1483.5	1487.3	1485.3
13°	1470.8	1477.4	1479.2	1478.8	1483.0	1480.8
13.5°	1465.6	1472.6	1474.3	1473.8	1478.0	1475.9
14°	1460.3	1467.3	1469.4	1468.7	1472.8	1470.8
14.5°	1454.6	1462.2	1463.8	1463.2	1467.6	1465.5
15°	1448.7	1456.7	1458.1	1457.4	1462.1	1459.7
15.5°	1442.5	1450.8	1452.6	1451.5	1456.2	1453.8
16°	1436.4	1444.8	1446.5	1445.3	1450.3	1448.0
16.5°	1430.0	1438.8	1440.3	1439.0	1444.0	1441.6
17°	1423.5	1432.5	1434.2	1432.8	1437.6	1435.2
17.5°	1416.7	1425.8	1427.6	1426.5	1431.2	1428.6
18°	1409.7	1418.8	1420.5	1419.3	1424.6	1421.8
18.5°	1402.6	1411.9	1413.5	1412.0	1417.4	1414.8
19°	1395.0	1404.8	1406.3	1404.9	1410.3	1407.5
19.5°	1387.5	1397.5	1399.1	1397.3	1403.1	1400.1
20°	1379.6	1390.0	1391.2	1389.7	1395.5	1392.3
20.5°	1371.7	1382.3	1383.4	1381.6	1387.5	1384.7
21°	1363.2	1374.3	1375.6	1373.3	1379.5	1376.7
21.5°	1354.9	1365.8	1367.3	1365.0	1371.2	1368.2
22°	1346.3	1357.4	1358.6	1356.6	1362.9	1359.7

TEST NUMBER: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1337.6	1349.1	1350.2	1348.4	1354.0	1351.1
23°	1328.4	1340.0	1341.1	1339.2	1345.1	1342.2
23.5°	1319.5	1331.3	1332.1	1329.9	1336.4	1333.2
24°	1310.2	1322.0	1322.8	1320.3	1327.1	1323.7
24.5°	1300.7	1312.7	1313.4	1310.9	1317.3	1314.2
25°	1290.6	1303.0	1303.8	1301.4	1307.7	1304.8
25.5°	1280.7	1293.4	1294.0	1291.2	1297.7	1294.8
26°	1270.7	1283.7	1284.1	1280.8	1287.8	1284.4
26.5°	1260.6	1273.4	1273.9	1270.6	1277.6	1274.5
27°	1249.7	1263.1	1263.3	1260.0	1267.0	1264.1
27.5°	1238.9	1252.6	1253.0	1249.2	1256.2	1253.4
28°	1227.9	1241.8	1241.9	1238.2	1245.3	1242.7
28.5°	1217.4	1230.8	1230.9	1227.2	1234.3	1231.5
29°	1205.8	1219.6	1219.7	1216.0	1223.2	1220.4
29.5°	1194.3	1208.5	1208.5	1204.4	1211.9	1209.2
30°	1182.7	1197.0	1196.6	1192.6	1200.7	1197.8
30.5°	1171.2	1185.5	1184.9	1180.6	1188.9	1186.1
31°	1158.8	1173.2	1172.9	1168.4	1177.2	1174.1
31.5°	1146.5	1161.1	1160.8	1156.2	1165.2	1162.1
32°	1134.4	1148.9	1148.6	1143.8	1152.9	1150.1
32.5°	1122.0	1136.6	1135.7	1131.3	1140.3	1137.9
33°	1108.9	1123.6	1122.9	1118.6	1128.1	1125.5
33.5°	1096.3	1111.0	1109.9	1105.8	1115.5	1112.8
34°	1083.2	1098.1	1097.3	1092.8	1102.6	1100.0
34.5°	1070.3	1084.7	1083.6	1079.3	1089.8	1087.1
35°	1056.9	1071.4	1070.4	1066.2	1076.4	1074.3
35.5°	1043.5	1058.4	1057.1	1053.0	1063.3	1061.0
36°	1030.5	1045.0	1043.9	1039.6	1050.2	1047.8
36.5°	1016.4	1031.5	1030.4	1026.0	1036.8	1034.8
37°	1003.0	1017.6	1016.8	1012.4	1023.2	1021.5
37.5°	989.0	1004.1	1002.2	998.5	1009.5	1008.0
38°	974.8	989.8	988.3	984.4	995.9	994.4
38.5°	959.8	975.1	974.0	970.3	981.7	980.3
39°	944.9	959.8	959.0	955.5	967.9	966.4
39.5°	929.1	944.3	942.7	939.9	954.0	952.8
40°	913.3	928.6	927.0	923.8	938.8	938.5
40.5°	897.1	912.5	910.8	907.7	923.2	923.8
41°	880.8	896.3	894.3	891.3	907.4	908.4
41.5°	864.2	879.2	877.3	874.4	891.3	892.4
42°	847.6	862.6	860.4	857.6	874.3	876.0
42.5°	830.4	845.9	843.8	841.1	857.7	859.6
43°	813.4	828.8	826.4	824.2	841.2	842.8
43.5°	796.4	811.1	808.7	806.5	824.3	826.0
44°	779.6	793.7	791.6	789.5	806.7	809.3
44.5°	762.6	776.5	773.9	772.5	790.2	792.2

TEST NUMBER: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	744.9	759.1	756.5	755.4	773.3	775.1
45.5°	728.1	741.4	739.3	737.9	756.1	758.5
46°	711.3	724.2	721.8	720.8	739.0	741.3
46.5°	694.4	706.3	704.0	703.7	722.4	724.6
47°	677.6	688.9	686.7	686.7	705.1	707.4
47.5°	660.8	670.9	669.5	669.3	688.1	690.9
48°	644.0	654.1	652.3	652.8	671.4	674.0
48.5°	627.1	636.6	634.9	635.8	654.8	657.2
49°	610.5	619.5	618.4	618.9	638.0	640.6
49.5°	593.6	602.8	601.6	602.5	621.3	624.6
50°	577.0	585.7	584.5	585.7	605.0	608.0
50.5°	560.4	568.7	567.8	569.0	588.6	592.0
51°	544.4	552.2	551.4	552.9	572.4	575.4
51.5°	528.7	535.9	535.0	537.0	556.4	559.8
52°	512.1	519.7	518.9	521.1	540.4	543.9
52.5°	496.2	503.7	502.9	505.4	525.0	528.5
53°	480.5	487.8	487.1	489.8	509.1	513.0
53.5°	465.1	472.1	471.5	474.0	493.8	497.5
54°	449.7	456.7	456.2	458.7	478.4	482.2
54.5°	434.6	441.6	441.1	443.8	463.5	467.4
55°	419.7	426.7	426.0	429.4	448.9	452.7
55.5°	405.0	412.0	411.3	414.7	433.8	438.2
56°	390.5	397.2	396.9	399.7	419.2	423.4
56.5°	376.1	382.8	382.7	385.5	405.2	409.3
57°	361.9	368.5	368.4	371.5	391.1	395.4
57.5°	348.4	354.9	354.5	357.7	376.8	381.3
58°	334.7	341.1	340.9	343.9	363.0	367.4
58.5°	321.5	325.6	325.5	331.1	349.8	354.2
59°	308.1	313.0	313.1	318.2	336.6	340.8
59.5°	295.1	300.7	300.8	305.4	329.3	326.0
60°	282.4	288.3	288.4	292.5	315.3	313.6
60.5°	270.2	275.9	276.0	279.6	301.0	301.4
61°	257.7	263.4	263.9	266.7	286.7	289.1
61.5°	245.8	251.6	251.9	254.8	272.6	276.9
62°	234.0	239.8	240.1	243.2	260.8	265.2
62.5°	222.6	228.2	228.6	231.7	248.9	253.2
63°	211.4	216.7	217.4	220.3	237.2	241.5
63.5°	200.4	205.7	206.4	209.4	225.6	230.1
64°	189.6	194.9	195.7	198.7	214.8	219.0
64.5°	179.2	184.4	185.2	188.3	203.7	207.9
65°	168.8	174.1	175.0	178.0	193.1	197.4
65.5°	159.2	164.0	165.0	168.1	182.8	186.8
66°	149.5	154.3	155.4	158.3	172.7	176.6
66.5°	140.2	144.9	145.9	148.9	162.6	166.5
67°	131.4	135.6	136.8	139.9	153.2	156.8

TEST NUMBER: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	122.6	126.9	128.1	131.2	143.8	147.5
68°	114.3	118.4	119.8	122.7	134.9	138.1
68.5°	106.5	110.3	111.7	114.5	126.2	129.2
69°	98.9	102.5	103.8	106.4	117.8	120.5
69.5°	91.7	95.1	96.3	98.9	109.7	111.8
70°	85.4	88.0	89.4	92.0	101.8	103.8
70.5°	79.2	81.6	82.8	85.1	94.5	95.9
71°	73.0	75.4	76.6	78.6	87.5	88.4
71.5°	66.8	69.6	70.8	72.6	80.8	81.1
72°	61.7	64.4	65.3	67.2	74.5	74.7
72.5°	57.1	59.7	60.4	61.9	68.6	68.5
73°	52.8	55.3	55.9	57.0	63.1	62.9
73.5°	49.0	51.3	51.9	52.8	58.0	57.8
74°	45.4	47.5	48.0	48.9	53.4	53.2
74.5°	42.5	44.3	44.6	45.4	49.4	49.1
75°	40.4	41.8	42.1	42.4	45.7	45.3
75.5°	38.5	39.7	40.0	40.2	42.4	42.5
76°	36.6	37.8	38.0	38.3	39.8	40.5
76.5°	34.8	35.9	36.1	36.4	37.9	38.3
77°	32.9	34.1	34.3	34.6	36.1	36.4
77.5°	31.1	32.3	33.0	32.8	34.3	34.6
78°	29.4	30.6	31.1	31.1	33.0	32.8
78.5°	27.7	28.9	29.3	29.3	31.2	31.1
79°	26.0	27.2	27.5	27.6	29.3	29.4
79.5°	24.4	25.5	25.7	25.8	27.5	27.7
80°	22.8	23.8	24.0	24.2	25.7	26.0
80.5°	21.2	22.3	22.5	22.5	23.9	24.3
81°	19.7	20.6	20.9	21.0	22.3	22.6
81.5°	18.1	19.1	19.3	19.4	20.7	21.0
82°	16.6	17.6	17.8	17.9	19.0	19.4
82.5°	15.1	16.1	16.3	16.5	17.4	17.8
83°	13.7	14.6	14.8	14.9	15.9	16.2
83.5°	12.3	13.1	13.3	13.4	14.4	14.7
84°	10.9	11.7	11.9	12.0	12.9	13.2
84.5°	9.5	10.3	10.5	10.6	11.4	11.8
85°	8.2	9.0	9.1	9.3	10.0	10.3
85.5°	6.8	7.6	7.8	7.9	8.5	8.9
86°	5.5	6.3	6.5	6.6	7.2	7.5
86.5°	4.2	4.9	5.1	5.3	6.0	6.2
87°	2.9	3.7	3.9	4.1	4.8	5.0
87.5°	1.7	2.8	2.9	2.8	3.7	3.9
88°	0.6	1.9	2.0	1.7	2.8	3.2
88.5°	0.1	1.0	1.0	1.3	2.0	2.4
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: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

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	0.1	0.1	0.1
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	0.2	0.2	0.2	0.2	0.3



TEST NUMBER: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

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°	0.2	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	0.3
120.5°	0.3	0.3	0.3	0.3	0.3	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°	0.3	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	0.4	0.4	0.4	0.4	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°	0.4	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	0.5
134.5°	0.5	0.5	0.5	0.5	0.5	0.6



TEST NUMBER: P640158
 CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.5	0.5	0.5	0.5	0.5	0.6
135.5°	0.5	0.5	0.5	0.5	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°	0.5	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°	0.6	0.6	0.6	0.6	0.6	0.6
143.5°	0.7	0.6	0.6	0.6	0.6	0.6
144°	0.7	0.6	0.6	0.6	0.6	0.6
144.5°	0.7	0.6	0.6	0.6	0.6	0.7
145°	0.7	0.6	0.6	0.6	0.6	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°	0.7	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	0.7
155°	0.8	0.7	0.7	0.7	0.7	0.7
155.5°	0.8	0.7	0.7	0.7	0.7	0.7
156°	0.9	0.7	0.7	0.7	0.7	0.7
156.5°	0.9	0.7	0.7	0.7	0.7	0.8
157°	0.9	0.7	0.7	0.7	0.7	0.8



TEST NUMBER: P640158

CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P640158
CATALOG NUMBER: LCR630RD9FSE010-42W-4000K

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)