

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: P640156

Luminaire Tested: LCR630RD9FSE010-42W-3000K

Issue Date: 2/13/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640156  
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-3000K  
Description: LCR 6  
Light Source: 3000K CCT, 93 CRI LEDS  
Ballast/Driver: -

**Summary**

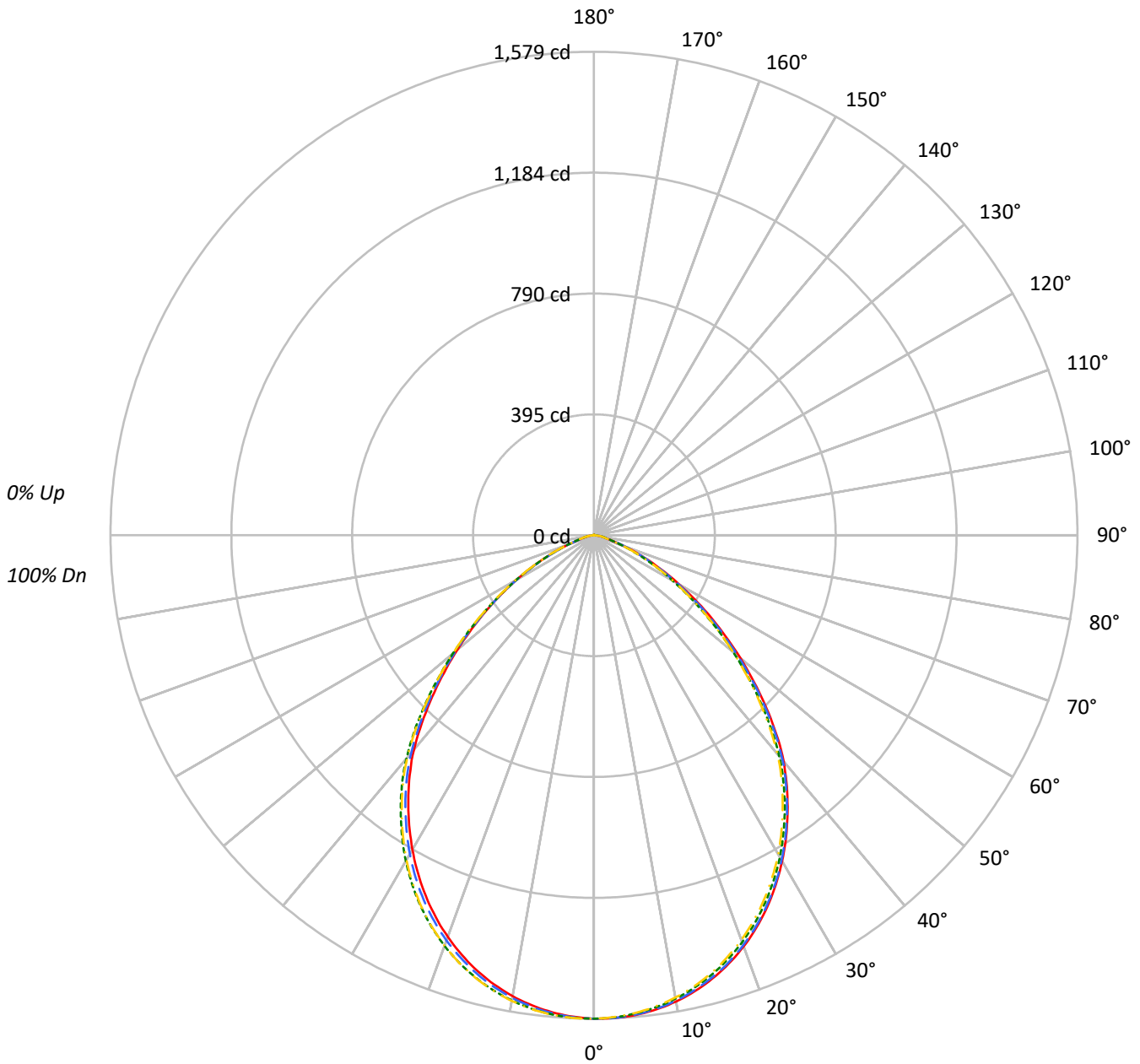
Lumens per Lamp: N/A  
Luminaire Lumens: 3100.0 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.16 / 1.22  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 31.6  
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: P640156  
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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			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60
5	82	70	63	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	34	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	86556	86556	86556	86556
5°	86556	86259	86055	86446
10°	86065	85542	85085	85892
15°	85040	84319	83570	84859
20°	83377	82526	81423	83237
25°	81011	80043	78597	80902
30°	77828	76841	75031	77778
35°	73796	72699	70724	73602
40°	68943	67355	65458	68214
45°	61681	59502	57913	60409
50°	53226	50625	49636	51273
55°	44414	41518	41050	41862
60°	35293	32596	32256	32443
65°	26280	24049	23297	23180
70°	17086	16108	14538	14474
75°	9849	10315	8663	9087
80°	8429	8903	7229	7735
85°	6667	7799	4843	5787

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61681 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.8	4.8
10°-20°	419.0	13.5
20°-30°	608.9	19.6
30°-40°	677.3	21.8
40°-50°	593.8	19.2
50°-60°	396.0	12.8
60°-70°	187.9	6.1
70°-80°	54.1	1.7
80°-90°	11.9	0.4
90°-100°	0.1	0.0
100°-110°	0.2	0.0
110°-120°	0.3	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1176.6	38.0
0°-40°	1854.0	59.8
0°-60°	2843.7	91.7
0°-90°	3097.5	99.9
90°-120°	0.5	0.0
90°-150°	1.7	0.1
90°-180°	2.0	0.1
0°-180°	3100.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1579	1579	1579	1579	1579	
5°	1573	1568	1564	1571	1573	149
15°	1498	1486	1472	1495	1498	422
25°	1339	1323	1299	1338	1339	615
35°	1103	1086	1057	1100	1103	688
45°	796	768	747	779	796	612
55°	465	434	430	438	465	417
65°	203	185	180	179	203	204
75°	46	49	41	43	46	57
85°	11	12	8	9	11	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°	1578.9	1578.9	1578.9	1578.9	1578.9	1578.9	1578.9	1578.9	1578.9	1578.9	1578.9
0.5°	1579.1	1579.3	1579.0	1578.8	1578.6	1578.7	1578.3	1578.3	1578.2	1578.7	1578.7
1°	1579.0	1579.2	1579.0	1578.4	1578.3	1578.2	1577.6	1577.5	1577.5	1577.9	1578.1
1.5°	1578.9	1579.3	1578.8	1578.1	1577.5	1577.4	1577.0	1576.3	1576.4	1577.0	1577.2
2°	1578.8	1578.8	1578.5	1577.7	1576.9	1576.7	1575.9	1575.1	1575.3	1575.8	1576.5
2.5°	1578.2	1578.3	1577.8	1576.6	1575.8	1575.4	1574.6	1573.7	1573.7	1574.9	1575.5
3°	1577.4	1578.0	1577.0	1575.9	1574.6	1573.7	1573.3	1572.3	1572.2	1573.1	1574.5
3.5°	1576.7	1576.3	1576.0	1574.7	1573.0	1572.4	1572.0	1570.1	1570.3	1571.4	1572.9
4°	1575.4	1575.2	1574.3	1573.2	1571.5	1570.7	1569.9	1568.2	1568.4	1569.5	1570.9
4.5°	1574.3	1573.9	1572.9	1571.8	1569.4	1568.7	1568.1	1566.1	1566.2	1567.7	1568.9
5°	1572.9	1572.3	1571.2	1569.9	1567.5	1566.7	1566.0	1563.8	1563.8	1564.8	1566.6
5.5°	1571.0	1570.6	1569.4	1567.8	1565.4	1564.3	1563.4	1561.2	1561.1	1562.9	1564.4
6°	1569.1	1568.4	1567.3	1565.7	1562.9	1561.7	1560.9	1558.3	1558.4	1560.3	1561.9
6.5°	1566.8	1565.8	1565.0	1563.3	1560.2	1559.2	1558.1	1555.5	1555.5	1557.4	1559.2
7°	1564.6	1563.7	1562.6	1560.8	1557.5	1556.3	1554.8	1551.9	1552.0	1553.9	1556.3
7.5°	1562.0	1561.2	1560.0	1557.9	1554.7	1553.2	1551.3	1548.8	1548.5	1550.8	1553.0
8°	1559.2	1557.7	1557.1	1554.9	1551.4	1550.2	1548.4	1545.0	1545.1	1547.0	1549.7
8.5°	1556.4	1555.4	1553.9	1551.8	1548.3	1546.7	1544.7	1541.3	1541.3	1543.4	1546.3
9°	1553.0	1552.0	1550.6	1548.3	1544.5	1543.2	1540.9	1537.1	1537.1	1539.5	1542.7
9.5°	1549.6	1548.3	1547.1	1544.9	1540.8	1539.0	1537.2	1532.9	1533.0	1535.5	1538.5
10°	1546.1	1544.8	1543.2	1540.9	1536.7	1535.0	1533.0	1528.5	1528.5	1531.1	1534.3
10.5°	1542.3	1541.1	1539.4	1537.1	1532.6	1530.7	1528.6	1523.6	1524.0	1526.6	1530.2
11°	1538.4	1536.8	1535.1	1533.1	1528.3	1526.1	1524.0	1518.5	1518.9	1521.7	1525.5
11.5°	1534.2	1532.5	1530.9	1528.3	1523.5	1521.3	1519.3	1513.6	1513.6	1516.7	1520.7
12°	1529.5	1527.7	1526.1	1523.6	1518.8	1516.6	1514.3	1508.2	1508.5	1511.5	1515.7
12.5°	1524.6	1523.7	1521.4	1519.1	1513.9	1511.6	1508.9	1502.9	1503.2	1506.3	1510.6
13°	1520.0	1518.1	1516.2	1514.1	1508.7	1506.2	1503.8	1497.4	1497.3	1500.6	1505.1
13.5°	1515.0	1513.4	1511.2	1508.9	1503.4	1500.6	1498.1	1491.3	1491.4	1495.0	1499.6
14°	1509.8	1507.7	1505.9	1503.5	1497.7	1494.9	1492.3	1485.1	1485.1	1489.0	1493.6
14.5°	1504.3	1502.2	1500.3	1497.9	1491.9	1489.2	1486.1	1478.7	1478.9	1482.7	1487.8
15°	1498.4	1496.1	1494.6	1492.1	1485.7	1483.0	1479.9	1472.3	1472.5	1476.8	1481.6
15.5°	1492.3	1491.0	1488.4	1486.0	1479.6	1476.7	1473.7	1465.6	1465.7	1469.6	1475.2
16°	1486.3	1484.8	1482.3	1479.8	1473.0	1470.4	1467.0	1458.8	1458.6	1462.7	1468.4
16.5°	1479.8	1477.9	1476.1	1473.5	1466.6	1463.6	1460.1	1451.5	1451.7	1455.8	1461.7
17°	1473.3	1471.5	1469.3	1466.7	1459.9	1456.6	1453.0	1444.2	1444.2	1448.7	1454.4
17.5°	1466.4	1465.2	1462.3	1460.2	1452.9	1449.4	1445.7	1436.6	1436.7	1441.3	1447.3
18°	1459.4	1457.8	1455.6	1453.2	1445.4	1442.3	1438.3	1428.8	1428.8	1433.1	1439.9
18.5°	1452.3	1451.7	1448.2	1445.7	1438.1	1434.7	1430.7	1421.0	1420.6	1425.5	1432.2
19°	1444.8	1443.3	1440.5	1438.3	1430.4	1427.0	1422.7	1412.9	1412.4	1417.2	1424.2
19.5°	1437.1	1435.6	1433.0	1430.5	1422.8	1419.1	1415.1	1404.6	1404.2	1409.6	1416.6
20°	1429.2	1427.1	1424.9	1422.8	1414.6	1411.1	1406.5	1396.2	1395.7	1401.0	1408.1
20.5°	1421.4	1419.4	1417.1	1414.8	1406.2	1402.9	1398.1	1387.4	1386.9	1392.5	1399.8
21°	1413.2	1410.6	1408.6	1406.7	1398.0	1394.4	1389.5	1378.2	1377.8	1383.4	1391.0
21.5°	1404.4	1402.6	1400.2	1397.9	1389.5	1385.5	1380.7	1369.3	1369.0	1374.1	1382.1
22°	1395.7	1393.9	1391.6	1389.1	1380.7	1376.8	1372.1	1360.0	1359.6	1365.0	1373.3



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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°	1386.9	1384.5	1382.8	1380.4	1371.5	1367.6	1362.2	1350.4	1350.1	1355.8	1363.9
23°	1377.7	1375.3	1373.4	1371.4	1362.3	1358.3	1353.0	1340.8	1340.3	1345.8	1354.5
23.5°	1368.5	1365.8	1364.5	1362.3	1352.9	1348.7	1343.6	1330.9	1330.5	1336.0	1344.5
24°	1358.8	1354.7	1354.9	1352.6	1343.4	1339.2	1334.0	1320.7	1320.2	1326.1	1334.5
24.5°	1349.1	1345.3	1345.1	1342.8	1333.3	1329.3	1323.8	1310.6	1310.1	1315.9	1325.0
25°	1339.3	1338.4	1334.9	1333.0	1323.3	1319.2	1313.5	1300.2	1299.4	1305.5	1314.5
25.5°	1329.1	1327.3	1324.9	1322.9	1313.3	1309.1	1303.2	1289.8	1289.0	1295.1	1304.2
26°	1318.4	1316.6	1314.7	1312.6	1302.9	1298.5	1293.1	1279.0	1278.0	1284.0	1293.6
26.5°	1308.2	1306.2	1304.3	1302.3	1292.7	1288.0	1281.9	1267.8	1267.2	1273.3	1283.0
27°	1297.6	1295.1	1293.7	1291.7	1281.7	1277.2	1271.6	1256.8	1255.9	1262.3	1272.1
27.5°	1286.6	1284.2	1282.9	1280.9	1270.8	1266.5	1260.6	1245.5	1244.7	1250.5	1260.9
28°	1275.6	1273.2	1271.8	1270.0	1259.9	1255.2	1249.5	1234.1	1233.0	1239.3	1249.4
28.5°	1264.2	1262.2	1260.7	1258.6	1248.7	1243.9	1237.9	1222.6	1221.5	1228.4	1237.8
29°	1252.7	1250.5	1249.4	1247.4	1237.4	1232.7	1226.6	1210.5	1209.6	1216.0	1226.3
29.5°	1241.2	1239.0	1237.7	1236.2	1225.6	1221.0	1214.9	1198.7	1197.5	1204.2	1214.5
30°	1229.5	1227.1	1225.9	1224.3	1213.9	1209.4	1203.1	1186.5	1185.3	1191.7	1202.3
30.5°	1217.5	1215.3	1214.0	1212.7	1201.7	1197.2	1190.9	1174.3	1173.4	1179.7	1190.1
31°	1205.2	1203.4	1201.6	1200.0	1189.8	1185.1	1178.9	1161.5	1160.7	1167.3	1177.6
31.5°	1192.9	1190.6	1189.3	1187.9	1177.4	1172.7	1166.0	1149.3	1148.2	1154.8	1165.0
32°	1180.6	1178.3	1177.4	1175.7	1165.0	1160.3	1153.6	1136.2	1135.2	1142.3	1152.3
32.5°	1168.0	1165.6	1164.4	1163.0	1151.9	1147.7	1140.6	1123.6	1122.7	1129.2	1139.7
33°	1155.3	1153.1	1151.9	1150.6	1139.0	1134.6	1128.0	1110.4	1109.5	1116.2	1126.7
33.5°	1142.3	1139.7	1138.4	1137.1	1126.0	1121.2	1114.9	1097.1	1096.6	1103.2	1113.2
34°	1129.1	1126.8	1125.8	1124.2	1113.1	1108.4	1101.9	1084.1	1083.4	1090.1	1100.5
34.5°	1115.9	1113.9	1112.5	1111.1	1099.5	1094.9	1088.2	1070.8	1070.3	1076.7	1086.8
35°	1102.7	1100.6	1099.1	1097.7	1086.3	1081.4	1074.8	1057.5	1056.8	1063.2	1073.6
35.5°	1089.1	1087.1	1085.6	1083.6	1072.4	1068.0	1061.2	1043.8	1043.6	1050.1	1060.1
36°	1075.5	1073.8	1072.0	1070.0	1058.7	1054.3	1048.1	1030.5	1030.1	1036.8	1046.5
36.5°	1062.2	1060.0	1058.2	1056.3	1044.7	1040.1	1034.2	1016.6	1016.2	1022.7	1032.5
37°	1048.5	1046.4	1044.2	1042.3	1030.6	1026.0	1020.0	1002.8	1002.3	1008.8	1018.5
37.5°	1034.7	1032.5	1030.6	1028.3	1016.5	1011.9	1006.3	988.6	988.0	994.2	1004.5
38°	1020.7	1018.7	1016.5	1014.5	1002.3	997.9	992.5	974.8	973.8	980.7	990.3
38.5°	1006.3	1004.0	1002.0	999.9	988.1	983.3	978.0	960.2	959.9	966.2	975.1
39°	992.0	989.9	987.8	985.5	972.9	968.4	963.3	945.5	945.8	951.9	960.1
39.5°	978.0	975.8	973.8	971.0	957.3	953.0	947.9	929.9	930.6	936.2	944.1
40°	963.4	961.2	958.2	955.4	941.2	936.8	932.2	913.8	914.7	920.3	927.9
40.5°	948.3	946.0	942.3	939.1	925.0	920.2	915.3	897.6	898.5	904.1	911.1
41°	932.5	930.2	926.3	922.4	907.8	903.3	898.6	880.7	882.2	887.7	895.1
41.5°	916.0	913.7	909.5	905.6	890.8	886.5	881.8	863.8	865.6	871.5	878.2
42°	899.3	896.9	892.8	888.6	873.3	869.2	864.9	847.1	848.6	854.7	861.7
42.5°	882.4	880.1	875.5	871.3	856.1	852.0	847.8	830.1	831.9	837.5	844.7
43°	865.1	863.1	858.3	854.0	838.5	834.6	830.5	812.6	814.7	820.5	827.4
43.5°	847.9	845.6	841.1	836.2	820.9	816.8	813.3	795.5	797.9	803.7	810.1
44°	830.7	828.3	823.8	818.4	802.8	799.3	795.9	778.7	780.7	787.2	793.4
44.5°	813.2	810.6	806.2	800.5	785.2	782.0	778.8	761.8	764.0	769.7	775.8



TEST NUMBER: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	795.6	793.3	787.9	783.0	767.5	764.4	761.7	744.8	747.0	753.0	759.0
45.5°	778.6	776.0	770.9	764.9	749.9	747.1	744.5	728.1	730.3	736.5	741.9
46°	761.0	758.6	753.4	747.3	732.5	729.8	727.5	711.4	713.7	719.9	725.0
46.5°	743.8	741.3	735.9	729.7	715.1	712.5	710.6	694.8	697.0	703.3	708.0
47°	726.2	723.5	717.6	711.6	697.7	695.1	693.6	678.1	680.4	686.8	691.1
47.5°	709.2	706.4	700.5	694.0	680.2	677.8	676.7	661.4	663.7	670.2	674.2
48°	691.9	689.1	683.2	676.3	662.8	660.5	659.8	644.6	647.4	653.1	657.6
48.5°	674.6	672.2	666.0	659.1	645.2	643.5	642.9	628.1	631.0	636.5	640.5
49°	657.5	654.9	648.1	641.9	627.8	626.2	626.2	612.2	614.7	619.8	623.5
49.5°	641.2	638.4	631.6	624.7	610.6	609.6	609.5	595.6	598.4	603.2	606.8
50°	624.1	621.6	614.7	607.7	593.6	592.6	592.6	579.4	582.0	586.8	590.2
50.5°	607.6	604.8	597.6	590.3	577.1	576.0	576.6	563.0	566.1	570.5	573.3
51°	590.6	588.0	580.7	573.6	560.0	559.2	560.1	547.8	550.3	554.8	557.1
51.5°	574.7	571.8	564.3	557.1	543.5	543.4	544.2	531.8	534.8	538.8	540.9
52°	558.3	555.7	548.1	540.8	527.3	527.0	528.4	516.2	519.1	522.7	524.6
52.5°	542.4	539.8	532.0	524.5	511.5	511.1	512.3	500.9	503.5	506.9	508.6
53°	526.5	523.5	516.1	508.3	495.4	495.0	496.7	486.0	488.7	491.3	492.9
53.5°	510.7	507.9	500.3	492.4	479.6	479.6	481.4	470.3	473.4	476.3	477.0
54°	495.0	492.3	484.7	476.7	464.1	463.9	466.4	455.8	458.5	460.8	461.5
54.5°	479.8	477.0	469.0	461.4	449.1	448.8	451.4	441.1	443.7	446.0	446.2
55°	464.7	461.7	454.0	445.9	434.4	434.1	436.5	426.6	429.5	431.2	430.9
55.5°	449.8	447.1	439.1	431.2	419.3	419.3	421.7	411.9	414.7	416.7	416.2
56°	434.6	432.0	424.5	416.4	404.9	404.7	407.4	397.9	400.7	402.1	401.2
56.5°	420.2	417.5	409.9	402.0	390.6	390.4	393.3	383.9	386.7	387.8	386.6
57°	405.9	402.8	395.4	387.4	376.7	376.5	379.1	370.3	372.9	373.5	372.4
57.5°	391.3	388.9	381.1	373.6	362.8	362.9	365.4	356.6	359.4	359.8	358.1
58°	377.1	374.6	367.1	359.7	349.1	349.1	351.9	343.3	346.1	346.3	344.3
58.5°	363.6	361.0	353.8	346.3	335.9	336.0	338.7	330.1	332.7	332.9	330.7
59°	349.8	347.6	340.5	332.8	322.8	322.9	325.7	317.3	319.7	319.6	317.1
59.5°	334.6	336.7	327.7	320.0	310.0	310.1	312.9	304.5	306.6	306.6	303.9
60°	321.9	323.2	314.8	312.6	297.3	297.4	299.9	291.9	294.2	293.6	290.9
60.5°	309.4	309.6	302.0	299.0	285.0	285.1	287.6	279.6	281.7	281.3	278.0
61°	296.8	296.0	289.1	285.3	273.1	273.2	275.5	267.5	269.8	268.7	265.6
61.5°	284.2	282.5	276.3	271.7	261.3	261.2	263.6	255.8	257.7	256.6	253.4
62°	272.2	270.4	264.3	258.1	249.6	249.8	251.8	244.2	245.9	244.7	241.5
62.5°	259.9	258.3	252.4	246.8	238.3	238.5	240.6	232.6	233.9	232.9	229.5
63°	247.9	246.5	240.8	235.5	227.1	227.1	229.0	221.3	222.6	221.3	217.9
63.5°	236.2	234.8	229.6	224.4	216.3	216.4	218.1	210.5	211.7	210.1	206.8
64°	224.8	223.4	218.6	213.7	205.7	205.9	207.7	199.8	200.7	199.3	195.9
64.5°	213.4	212.3	207.9	203.1	195.4	195.6	197.0	189.4	190.0	188.6	185.4
65°	202.6	201.5	197.3	193.0	185.4	185.6	186.9	179.2	179.6	177.9	174.9
65.5°	191.8	191.1	187.2	183.0	175.7	175.9	177.0	169.0	169.4	168.0	164.8
66°	181.2	180.5	177.2	173.3	166.2	166.2	167.2	159.3	159.5	157.9	154.9
66.5°	170.9	170.4	167.5	163.8	156.7	156.9	157.9	150.0	149.8	148.4	145.5
67°	161.0	160.7	158.1	154.7	147.9	148.0	148.7	140.9	140.4	139.1	136.4





TEST NUMBER: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	151.4	151.1	148.9	145.8	139.2	139.4	139.9	132.1	131.3	130.1	127.6
68°	141.8	142.0	140.1	137.2	130.9	131.0	131.4	123.4	122.5	121.3	118.9
68.5°	132.7	133.0	131.6	129.0	122.8	122.7	123.2	115.3	113.8	113.0	110.7
69°	123.7	124.5	123.2	121.0	115.1	115.1	115.3	107.4	105.3	104.9	103.0
69.5°	114.8	116.2	115.4	113.3	107.6	107.5	107.6	99.8	97.4	97.0	95.5
70°	106.6	108.2	107.7	105.8	100.5	100.4	100.3	92.8	90.7	90.5	89.2
70.5°	98.4	100.7	100.5	98.7	93.8	93.6	93.5	86.4	84.0	84.1	82.9
71°	90.7	93.2	93.5	92.0	88.0	87.6	87.3	80.1	77.3	77.6	76.6
71.5°	83.3	86.1	86.8	85.6	82.3	81.6	81.2	73.7	70.6	71.1	70.3
72°	76.6	79.6	80.4	79.5	76.5	75.6	75.1	67.4	63.9	64.6	64.0
72.5°	70.4	73.3	74.5	73.8	70.8	69.6	68.9	62.0	58.8	59.4	58.9
73°	64.6	67.7	69.0	68.3	65.1	64.7	63.8	57.1	54.0	54.8	54.3
73.5°	59.3	62.5	63.8	63.4	60.4	60.0	58.9	52.8	49.8	50.6	50.3
74°	54.6	57.7	59.0	58.8	56.2	55.8	54.6	48.8	45.8	46.8	46.5
74.5°	50.4	53.3	54.5	54.6	52.4	51.9	50.6	45.2	43.4	43.4	43.4
75°	46.5	49.3	50.5	50.7	48.7	48.2	47.1	42.1	40.9	40.8	41.2
75.5°	43.6	45.8	47.0	47.2	45.4	44.9	44.3	39.9	39.0	38.9	39.4
76°	41.6	42.7	43.8	44.1	42.9	42.5	41.5	38.1	37.1	37.1	37.4
76.5°	39.3	40.0	41.4	41.9	40.9	40.5	39.7	36.2	35.2	35.2	35.5
77°	37.4	38.2	39.5	39.9	39.0	38.6	37.9	34.4	33.4	33.3	33.7
77.5°	35.5	36.3	37.6	38.0	37.1	36.8	36.0	32.6	31.5	31.5	31.9
78°	33.7	34.6	35.8	36.2	35.3	34.9	34.2	30.7	29.8	29.7	30.1
78.5°	31.9	32.8	33.8	34.4	33.5	33.1	32.4	29.0	28.0	27.9	28.3
79°	30.2	31.0	32.1	32.7	31.7	31.4	30.6	27.3	26.3	26.1	26.6
79.5°	28.4	29.3	30.4	31.0	29.9	29.6	28.7	25.6	24.6	24.5	24.9
80°	26.7	27.5	28.7	29.2	28.2	27.9	27.0	23.9	22.9	22.8	23.3
80.5°	24.9	25.8	27.1	27.5	26.5	26.2	25.3	22.2	21.2	21.1	21.6
81°	23.2	24.1	25.4	25.8	24.9	24.6	23.7	20.5	19.6	19.5	20.0
81.5°	21.6	22.4	23.6	24.1	23.2	22.9	22.0	18.9	18.0	17.9	18.4
82°	19.9	20.7	22.0	22.5	21.6	21.3	20.4	17.3	16.4	16.3	16.9
82.5°	18.3	19.1	20.4	20.9	20.0	19.8	18.9	15.7	14.8	14.7	15.4
83°	16.7	17.5	18.9	19.3	18.4	18.2	17.3	14.1	13.3	13.2	13.9
83.5°	15.1	15.9	17.3	17.8	16.9	16.7	15.8	12.6	11.8	11.7	12.5
84°	13.6	14.3	15.8	16.2	15.4	15.1	14.3	11.1	10.4	10.3	11.1
84.5°	12.1	12.8	14.3	14.7	13.9	13.7	12.8	9.8	9.0	9.0	9.7
85°	10.6	11.3	12.8	13.2	12.4	12.2	11.3	8.5	7.7	7.7	8.4
85.5°	9.1	9.8	11.4	11.8	10.9	10.7	10.0	7.1	6.3	6.3	7.0
86°	7.7	8.4	10.0	10.3	9.5	9.4	8.6	5.8	4.9	5.0	5.7
86.5°	6.3	7.1	8.6	8.9	8.2	8.0	7.2	4.5	3.8	3.8	4.3
87°	5.2	5.9	7.2	7.5	6.8	6.6	5.9	3.3	2.7	2.7	3.0
87.5°	4.0	4.6	5.9	6.1	5.4	5.2	4.5	2.3	1.7	1.7	1.8
88°	3.3	3.5	4.6	4.8	4.0	3.8	3.3	1.3	0.9	0.8	0.7
88.5°	2.5	2.7	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	1.5	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	0.3	0.1	0.1	0.1	0.1



TEST NUMBER: P640156  
 CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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°	0.2	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	0.2	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	0.2
108.5°	0.2	0.2	0.2	0.2	0.2	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P640156  
 CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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	0.3	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	0.3	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	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	0.4	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	0.4	0.4	0.4	0.3
124°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4
124.5°	0.4	0.4	0.4	0.4	0.4	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	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	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
127.5°	0.5	0.5	0.5	0.5	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	0.5	0.4	0.4
130°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4
130.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5
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°	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
134°	0.6	0.6	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: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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	0.6	0.5	0.5
136°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	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	0.6
137°	0.6	0.6	0.6	0.6	0.6	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	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	0.7	0.6	0.6
142°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
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°	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
143.5°	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144°	0.7	0.7	0.7	0.7	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	0.8
148.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	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°	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
153.5°	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.8	0.8
154°	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9
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	0.9	0.9	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	0.8	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157°	0.8	0.8	0.8	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P640156  
 CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
159°	0.8	0.8	0.8	0.8	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	1.0	0.9	0.9
161°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	0.9	0.9
161.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	0.9
162°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	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	1.0
163°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0
163.5°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0
164°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0
164.5°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0
165°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0
165.5°	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0
166°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
166.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
167°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
167.5°	0.8	0.8	0.8	0.8	1.0	1.0	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°	0.9	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
174°	0.9	0.9	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
174.5°	0.9	0.9	0.9	0.9	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P640156  
CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1578.9	1578.9	1578.9	1578.9	1578.9	1578.9
0.5°	1578.6	1578.8	1579.0	1578.9	1579.4	1579.1
1°	1578.2	1578.9	1579.0	1578.7	1579.5	1579.0
1.5°	1577.5	1578.5	1578.9	1578.7	1579.6	1578.9
2°	1576.8	1578.0	1578.6	1578.3	1579.3	1578.8
2.5°	1575.7	1577.3	1578.1	1577.7	1578.8	1578.2
3°	1574.6	1576.6	1577.2	1577.0	1578.3	1577.4
3.5°	1573.3	1575.4	1576.2	1575.8	1577.5	1576.7
4°	1571.7	1574.1	1574.9	1574.6	1576.3	1575.4
4.5°	1570.1	1572.4	1573.6	1573.7	1575.1	1574.3
5°	1568.3	1570.9	1571.9	1572.0	1573.7	1572.9
5.5°	1565.9	1569.2	1570.1	1570.3	1572.0	1571.0
6°	1563.6	1567.3	1567.8	1567.9	1570.2	1569.1
6.5°	1561.2	1564.6	1565.5	1565.4	1568.2	1566.8
7°	1558.2	1562.4	1563.4	1563.4	1565.8	1564.6
7.5°	1555.5	1559.6	1560.7	1560.6	1563.5	1562.0
8°	1552.3	1556.6	1558.0	1557.9	1560.9	1559.2
8.5°	1548.9	1553.5	1554.9	1554.9	1558.1	1556.4
9°	1545.2	1550.3	1551.6	1551.5	1554.6	1553.0
9.5°	1541.6	1546.9	1548.2	1547.7	1551.5	1549.6
10°	1537.5	1543.0	1544.4	1544.6	1547.9	1546.1
10.5°	1533.5	1539.0	1540.6	1540.7	1544.1	1542.3
11°	1529.3	1535.1	1536.8	1536.4	1540.2	1538.4
11.5°	1524.5	1530.8	1532.7	1532.2	1536.0	1534.2
12°	1519.7	1526.1	1528.1	1527.6	1531.4	1529.5
12.5°	1515.0	1521.7	1523.3	1522.8	1526.7	1524.6
13°	1509.8	1516.5	1518.4	1518.0	1522.2	1520.0
13.5°	1504.4	1511.6	1513.4	1512.8	1517.1	1515.0
14°	1499.0	1506.2	1508.3	1507.6	1511.8	1509.8
14.5°	1493.1	1501.0	1502.6	1502.0	1506.5	1504.3
15°	1487.1	1495.2	1496.7	1496.0	1500.9	1498.4
15.5°	1480.7	1489.2	1491.0	1489.9	1494.7	1492.3
16°	1474.5	1483.1	1484.8	1483.6	1488.7	1486.3
16.5°	1467.9	1476.9	1478.5	1477.1	1482.3	1479.8
17°	1461.2	1470.5	1472.2	1470.8	1475.7	1473.3
17.5°	1454.2	1463.5	1465.4	1464.3	1469.2	1466.4
18°	1447.1	1456.4	1458.1	1456.9	1462.3	1459.4
18.5°	1439.8	1449.3	1450.9	1449.4	1454.9	1452.3
19°	1431.9	1442.0	1443.6	1442.2	1447.7	1444.8
19.5°	1424.2	1434.5	1436.1	1434.3	1440.3	1437.1
20°	1416.2	1426.8	1428.0	1426.5	1432.4	1429.2
20.5°	1408.0	1418.9	1420.1	1418.2	1424.2	1421.4
21°	1399.3	1410.7	1412.1	1409.7	1416.1	1413.2
21.5°	1390.8	1402.0	1403.5	1401.1	1407.5	1404.4
22°	1382.0	1393.4	1394.6	1392.5	1399.0	1395.7

TEST NUMBER: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1373.0	1384.9	1386.0	1384.1	1389.9	1386.9
23°	1363.6	1375.5	1376.6	1374.6	1380.8	1377.7
23.5°	1354.5	1366.6	1367.4	1365.1	1371.8	1368.5
24°	1344.9	1357.0	1357.9	1355.3	1362.3	1358.8
24.5°	1335.2	1347.4	1348.1	1345.6	1352.2	1349.1
25°	1324.8	1337.5	1338.3	1335.9	1342.3	1339.3
25.5°	1314.6	1327.7	1328.3	1325.4	1332.1	1329.1
26°	1304.4	1317.7	1318.1	1314.7	1322.0	1318.4
26.5°	1294.0	1307.1	1307.6	1304.3	1311.4	1308.2
27°	1282.8	1296.6	1296.8	1293.4	1300.6	1297.6
27.5°	1271.7	1285.7	1286.2	1282.3	1289.4	1286.6
28°	1260.5	1274.7	1274.8	1271.0	1278.3	1275.6
28.5°	1249.6	1263.4	1263.5	1259.7	1267.0	1264.2
29°	1237.8	1251.9	1252.0	1248.2	1255.6	1252.7
29.5°	1225.9	1240.5	1240.5	1236.3	1244.0	1241.2
30°	1214.0	1228.7	1228.3	1224.2	1232.6	1229.5
30.5°	1202.3	1216.9	1216.3	1211.9	1220.4	1217.5
31°	1189.5	1204.3	1204.0	1199.3	1208.4	1205.2
31.5°	1176.9	1191.8	1191.5	1186.8	1196.0	1192.9
32°	1164.4	1179.4	1179.0	1174.1	1183.4	1180.6
32.5°	1151.7	1166.7	1165.8	1161.3	1170.5	1168.0
33°	1138.2	1153.4	1152.7	1148.3	1158.0	1155.3
33.5°	1125.3	1140.4	1139.3	1135.1	1145.1	1142.3
34°	1111.9	1127.2	1126.4	1121.8	1131.8	1129.1
34.5°	1098.6	1113.5	1112.4	1107.9	1118.7	1115.9
35°	1084.9	1099.8	1098.8	1094.5	1104.9	1102.7
35.5°	1071.1	1086.5	1085.1	1080.8	1091.5	1089.1
36°	1057.8	1072.7	1071.5	1067.1	1078.0	1075.5
36.5°	1043.3	1058.9	1057.7	1053.2	1064.3	1062.2
37°	1029.6	1044.5	1043.7	1039.2	1050.3	1048.5
37.5°	1015.2	1030.7	1028.8	1025.0	1036.2	1034.7
38°	1000.6	1016.0	1014.5	1010.5	1022.2	1020.7
38.5°	985.3	1001.0	999.8	996.0	1007.7	1006.3
39°	969.9	985.2	984.4	980.8	993.5	992.0
39.5°	953.7	969.3	967.7	964.8	979.3	978.0
40°	937.5	953.2	951.5	948.3	963.6	963.4
40.5°	920.9	936.7	934.9	931.8	947.7	948.3
41°	904.1	920.0	918.0	914.9	931.4	932.5
41.5°	887.1	902.5	900.5	897.6	914.9	916.0
42°	870.0	885.5	883.2	880.4	897.4	899.3
42.5°	852.4	868.3	866.1	863.4	880.5	882.4
43°	834.9	850.8	848.2	846.0	863.5	865.1
43.5°	817.5	832.5	830.1	827.9	846.1	847.9
44°	800.2	814.8	812.6	810.4	828.1	830.7
44.5°	782.8	797.1	794.4	792.9	811.2	813.2



TEST NUMBER: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	764.7	779.2	776.6	775.4	793.8	795.6
45.5°	747.4	761.0	758.9	757.5	776.1	778.6
46°	730.1	743.3	740.9	739.9	758.5	761.0
46.5°	712.8	725.0	722.6	722.4	741.6	743.8
47°	695.6	707.1	704.8	704.9	723.7	726.2
47.5°	678.3	688.7	687.2	687.0	706.3	709.2
48°	661.0	671.4	669.6	670.1	689.2	691.9
48.5°	643.7	653.5	651.7	652.6	672.1	674.6
49°	626.7	635.9	634.8	635.3	654.9	657.5
49.5°	609.3	618.8	617.6	618.4	637.7	641.2
50°	592.2	601.2	599.9	601.3	621.0	624.1
50.5°	575.2	583.7	582.9	584.1	604.2	607.6
51°	558.9	566.8	566.0	567.6	587.6	590.6
51.5°	542.7	550.1	549.2	551.3	571.1	574.7
52°	525.7	533.5	532.7	534.9	554.7	558.3
52.5°	509.3	517.0	516.3	518.8	538.9	542.4
53°	493.3	500.7	500.0	502.7	522.6	526.5
53.5°	477.5	484.6	484.0	486.6	506.9	510.7
54°	461.6	468.8	468.3	470.9	491.0	495.0
54.5°	446.1	453.3	452.8	455.5	475.8	479.8
55°	430.8	438.0	437.3	440.7	460.8	464.7
55.5°	415.7	422.9	422.2	425.6	445.3	449.8
56°	400.8	407.7	407.4	410.3	430.3	434.6
56.5°	386.1	392.9	392.9	395.7	415.9	420.2
57°	371.5	378.2	378.2	381.4	401.4	405.9
57.5°	357.7	364.3	363.9	367.1	386.8	391.3
58°	343.6	350.1	349.9	353.0	372.6	377.1
58.5°	330.1	334.2	334.1	339.9	359.0	363.6
59°	316.2	321.3	321.4	326.7	345.6	349.8
59.5°	302.9	308.6	308.7	313.4	338.1	334.6
60°	289.8	295.9	296.0	300.2	323.6	321.9
60.5°	277.4	283.3	283.3	287.0	309.0	309.4
61°	264.5	270.4	270.8	273.8	294.3	296.8
61.5°	252.4	258.3	258.6	261.6	279.8	284.2
62°	240.2	246.2	246.5	249.6	267.7	272.2
62.5°	228.5	234.2	234.6	237.8	255.5	259.9
63°	217.0	222.5	223.2	226.2	243.5	247.9
63.5°	205.7	211.2	211.9	215.0	231.6	236.2
64°	194.6	200.1	200.9	204.0	220.4	224.8
64.5°	183.9	189.2	190.1	193.3	209.0	213.4
65°	173.3	178.7	179.7	182.7	198.2	202.6
65.5°	163.4	168.4	169.4	172.5	187.7	191.8
66°	153.5	158.4	159.5	162.5	177.2	181.2
66.5°	143.9	148.7	149.7	152.9	166.9	170.9
67°	134.9	139.2	140.4	143.6	157.3	161.0

TEST NUMBER: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	125.8	130.3	131.5	134.7	147.6	151.4
68°	117.4	121.5	122.9	125.9	138.4	141.8
68.5°	109.4	113.2	114.7	117.5	129.5	132.7
69°	101.5	105.2	106.5	109.2	121.0	123.7
69.5°	94.1	97.6	98.9	101.5	112.6	114.8
70°	87.7	90.3	91.7	94.4	104.5	106.6
70.5°	81.3	83.7	85.0	87.4	97.0	98.4
71°	75.0	77.4	78.6	80.7	89.8	90.7
71.5°	68.6	71.5	72.6	74.6	83.0	83.3
72°	63.3	66.1	67.1	68.9	76.5	76.6
72.5°	58.6	61.3	62.0	63.6	70.4	70.4
73°	54.2	56.7	57.4	58.6	64.7	64.6
73.5°	50.3	52.6	53.2	54.2	59.6	59.3
74°	46.6	48.7	49.2	50.2	54.8	54.6
74.5°	43.6	45.5	45.8	46.6	50.7	50.4
75°	41.4	42.9	43.2	43.5	46.9	46.5
75.5°	39.5	40.8	41.0	41.3	43.5	43.6
76°	37.5	38.8	39.0	39.3	40.8	41.6
76.5°	35.7	36.8	37.1	37.4	38.9	39.3
77°	33.8	35.0	35.2	35.5	37.0	37.4
77.5°	32.0	33.2	33.8	33.7	35.2	35.5
78°	30.2	31.4	32.0	31.9	33.9	33.7
78.5°	28.5	29.7	30.1	30.1	32.0	31.9
79°	26.7	27.9	28.2	28.3	30.1	30.2
79.5°	25.0	26.1	26.4	26.5	28.2	28.4
80°	23.4	24.5	24.7	24.8	26.3	26.7
80.5°	21.8	22.9	23.1	23.1	24.6	24.9
81°	20.2	21.2	21.4	21.5	22.9	23.2
81.5°	18.6	19.6	19.8	20.0	21.2	21.6
82°	17.1	18.0	18.3	18.4	19.5	19.9
82.5°	15.5	16.5	16.7	16.9	17.9	18.3
83°	14.1	15.0	15.2	15.3	16.3	16.7
83.5°	12.6	13.5	13.7	13.8	14.8	15.1
84°	11.2	12.0	12.3	12.3	13.2	13.6
84.5°	9.8	10.6	10.8	10.9	11.7	12.1
85°	8.4	9.2	9.4	9.5	10.2	10.6
85.5°	7.0	7.8	8.0	8.1	8.8	9.1
86°	5.6	6.4	6.6	6.7	7.4	7.7
86.5°	4.3	5.1	5.2	5.4	6.2	6.3
87°	3.0	3.8	4.0	4.2	5.0	5.2
87.5°	1.7	2.9	3.0	2.9	3.8	4.0
88°	0.7	2.0	2.0	1.7	2.9	3.3
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	0.3	0.9



TEST NUMBER: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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	0.2
100°	0.1	0.2	0.2	0.2	0.2	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: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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	0.5	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°	0.5	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	0.6
134°	0.5	0.5	0.5	0.5	0.5	0.6
134.5°	0.5	0.5	0.5	0.5	0.6	0.6



TEST NUMBER: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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	0.7
143.5°	0.7	0.6	0.6	0.6	0.6	0.7
144°	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
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°	0.8	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	0.8
153.5°	0.8	0.7	0.7	0.7	0.7	0.8
154°	0.8	0.7	0.7	0.7	0.7	0.8
154.5°	0.9	0.7	0.7	0.7	0.8	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	0.8	0.8	0.8
157°	0.9	0.7	0.7	0.8	0.8	0.8



TEST NUMBER: P640156

CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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	0.8	0.8	0.8	0.8
159°	0.9	0.7	0.8	0.8	0.8	0.8
159.5°	0.9	0.7	0.8	0.8	0.8	0.8
160°	0.9	0.8	0.8	0.8	0.8	0.8
160.5°	0.9	0.8	0.8	0.8	0.8	0.8
161°	0.9	0.8	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°	1.0	0.8	0.8	0.8	0.8	0.8
163.5°	1.0	0.8	0.8	0.8	0.8	0.8
164°	1.0	0.8	0.8	0.8	0.8	0.8
164.5°	1.0	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	0.9	0.9	0.8
173.5°	1.0	0.8	0.8	0.9	0.9	0.9
174°	1.0	0.8	0.9	0.9	0.9	0.9
174.5°	1.0	0.9	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	1.0	1.0	0.9	0.9
179.5°	1.0	1.0	1.0	1.0	1.0	0.9



TEST NUMBER: P640156  
CATALOG NUMBER: LCR630RD9FSE010-42W-3000K

**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)