

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: P640163

Luminaire Tested: LCR630RD9FSE040-42W-3500K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640163
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-3500K
Description: LCR 6
Light Source: 3500K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

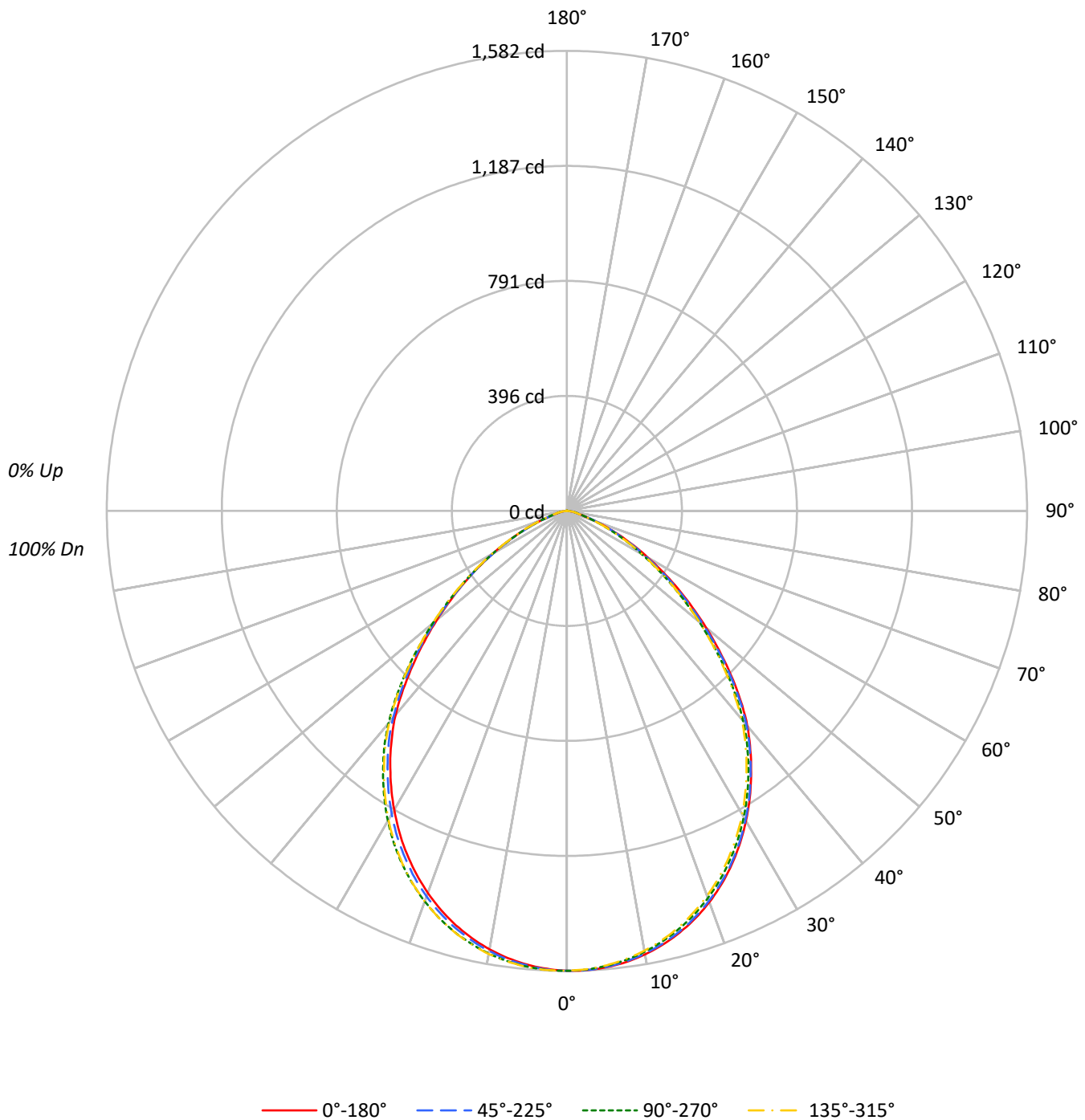
Lumens per Lamp: N/A
Luminaire Lumens: 3105.0 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.16 / 1.22
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 32.4
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



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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°	86698	86698	86698	86698
5°	86694	86396	86193	86584
10°	86204	85681	85219	86032
15°	85176	84456	83701	85000
20°	83511	82660	81557	83371
25°	81144	80170	78724	81035
30°	77955	76968	75151	77904
35°	73917	72812	70838	73722
40°	69058	67462	65566	68321
45°	61782	59595	58006	60510
50°	53320	50710	49713	51350
55°	44491	41585	41117	41929
60°	35348	32640	32300	32497
65°	26319	24088	23336	23219
70°	17102	16125	14554	14490
75°	9870	10336	8684	9087
80°	8429	8934	7229	7735
85°	6667	7799	4843	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61782 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.0	4.8
10°-20°	419.6	13.5
20°-30°	609.9	19.6
30°-40°	678.4	21.8
40°-50°	594.8	19.2
50°-60°	396.6	12.8
60°-70°	188.2	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°	1178.5	38.0
0°-40°	1856.9	59.8
0°-60°	2848.3	91.7
0°-90°	3102.5	99.9
90°-120°	0.5	0.0
90°-150°	1.7	0.1
90°-180°	2.0	0.1
0°-180°	3105.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1582	1582	1582	1582	1582	
5°	1575	1570	1566	1573	1575	150
15°	1501	1488	1475	1498	1501	423
25°	1342	1325	1302	1340	1342	616
35°	1104	1088	1058	1102	1104	689
45°	797	769	748	780	797	613
55°	466	435	430	439	466	417
65°	203	186	180	179	203	204
75°	47	49	41	43	47	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°	1581.5	1581.5	1581.5	1581.5	1581.5	1581.5	1581.5	1581.5	1581.5	1581.5	1581.5
0.5°	1581.7	1581.9	1581.6	1581.4	1581.2	1581.3	1580.9	1580.9	1580.8	1581.3	1581.3
1°	1581.6	1581.8	1581.6	1581.0	1580.9	1580.8	1580.2	1580.1	1580.1	1580.5	1580.7
1.5°	1581.5	1581.9	1581.4	1580.7	1580.1	1580.0	1579.6	1578.9	1579.0	1579.6	1579.8
2°	1581.4	1581.4	1581.1	1580.3	1579.5	1579.3	1578.5	1577.7	1577.9	1578.4	1579.1
2.5°	1580.8	1580.9	1580.4	1579.2	1578.4	1578.0	1577.2	1576.2	1576.2	1577.5	1578.1
3°	1580.0	1580.6	1579.6	1578.5	1577.2	1576.2	1575.8	1574.8	1574.7	1575.6	1577.1
3.5°	1579.3	1578.9	1578.6	1577.3	1575.5	1574.9	1574.5	1572.6	1572.8	1573.9	1575.4
4°	1578.0	1577.8	1576.8	1575.7	1574.0	1573.2	1572.4	1570.7	1570.9	1572.0	1573.4
4.5°	1576.8	1576.4	1575.4	1574.3	1571.9	1571.2	1570.6	1568.6	1568.7	1570.2	1571.4
5°	1575.4	1574.8	1573.7	1572.4	1570.0	1569.2	1568.5	1566.3	1566.3	1567.3	1569.1
5.5°	1573.5	1573.1	1571.9	1570.3	1567.9	1566.8	1565.9	1563.7	1563.6	1565.4	1566.9
6°	1571.6	1570.9	1569.8	1568.2	1565.4	1564.2	1563.4	1560.8	1560.9	1562.8	1564.4
6.5°	1569.3	1568.3	1567.5	1565.8	1562.7	1561.7	1560.6	1558.1	1558.1	1559.9	1561.7
7°	1567.1	1566.2	1565.1	1563.3	1560.0	1558.9	1557.4	1554.4	1554.5	1556.4	1558.9
7.5°	1564.5	1563.7	1562.5	1560.4	1557.3	1555.7	1553.8	1551.3	1551.0	1553.3	1555.5
8°	1561.7	1560.2	1559.6	1557.5	1553.9	1552.7	1550.9	1547.5	1547.6	1549.5	1552.2
8.5°	1559.0	1558.0	1556.4	1554.3	1550.8	1549.2	1547.2	1543.8	1543.8	1545.9	1548.8
9°	1555.5	1554.5	1553.1	1550.8	1547.0	1545.7	1543.4	1539.6	1539.6	1542.0	1545.2
9.5°	1552.1	1550.8	1549.6	1547.4	1543.3	1541.5	1539.7	1535.3	1535.4	1538.0	1541.0
10°	1548.6	1547.3	1545.7	1543.4	1539.2	1537.5	1535.4	1530.9	1530.9	1533.5	1536.7
10.5°	1544.8	1543.6	1541.9	1539.6	1535.0	1533.1	1531.0	1526.1	1526.5	1529.1	1532.6
11°	1540.9	1539.3	1537.6	1535.5	1530.7	1528.6	1526.5	1521.0	1521.4	1524.2	1528.0
11.5°	1536.6	1534.9	1533.3	1530.7	1526.0	1523.8	1521.8	1516.0	1516.0	1519.2	1523.2
12°	1531.9	1530.1	1528.6	1526.1	1521.3	1519.1	1516.8	1510.6	1510.9	1513.9	1518.2
12.5°	1527.1	1526.2	1523.9	1521.6	1516.3	1514.0	1511.3	1505.3	1505.6	1508.7	1513.0
13°	1522.5	1520.6	1518.7	1516.5	1511.1	1508.6	1506.2	1499.8	1499.7	1503.0	1507.5
13.5°	1517.5	1515.8	1513.6	1511.3	1505.8	1503.0	1500.5	1493.7	1493.8	1497.5	1502.0
14°	1512.2	1510.1	1508.3	1505.9	1500.1	1497.4	1494.7	1487.5	1487.5	1491.4	1496.0
14.5°	1506.7	1504.6	1502.7	1500.3	1494.3	1491.6	1488.5	1481.1	1481.3	1485.1	1490.2
15°	1500.8	1498.6	1497.1	1494.5	1488.1	1485.4	1482.3	1474.6	1474.8	1479.2	1484.0
15.5°	1494.7	1493.4	1490.8	1488.4	1482.0	1479.1	1476.0	1468.0	1468.1	1471.9	1477.6
16°	1488.7	1487.2	1484.7	1482.2	1475.3	1472.7	1469.4	1461.2	1461.0	1465.1	1470.7
16.5°	1482.2	1480.3	1478.5	1475.8	1469.0	1466.0	1462.5	1453.8	1454.0	1458.2	1464.1
17°	1475.6	1473.8	1471.6	1469.1	1462.3	1459.0	1455.3	1446.5	1446.5	1451.0	1456.8
17.5°	1468.8	1467.6	1464.7	1462.6	1455.2	1451.7	1448.0	1439.0	1439.1	1443.6	1449.6
18°	1461.8	1460.2	1458.0	1455.5	1447.7	1444.6	1440.6	1431.1	1431.1	1435.4	1442.2
18.5°	1454.6	1454.0	1450.5	1448.0	1440.4	1437.1	1433.0	1423.3	1422.9	1427.8	1434.5
19°	1447.1	1445.6	1442.8	1440.6	1432.7	1429.3	1425.0	1415.1	1414.6	1419.5	1426.5
19.5°	1439.5	1438.0	1435.3	1432.8	1425.1	1421.4	1417.4	1406.9	1406.5	1411.8	1418.9
20°	1431.5	1429.4	1427.2	1425.1	1416.9	1413.3	1408.8	1398.5	1398.0	1403.3	1410.4
20.5°	1423.7	1421.7	1419.4	1417.1	1408.5	1405.2	1400.4	1389.6	1389.1	1394.7	1402.1
21°	1415.4	1412.8	1410.8	1409.0	1400.3	1396.7	1391.7	1380.5	1380.1	1385.6	1393.2
21.5°	1406.7	1404.9	1402.5	1400.2	1391.7	1387.7	1382.9	1371.5	1371.2	1376.4	1384.3
22°	1398.0	1396.1	1393.8	1391.3	1382.9	1379.1	1374.3	1362.2	1361.8	1367.2	1375.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1389.1	1386.7	1385.0	1382.6	1373.7	1369.8	1364.4	1352.5	1352.2	1358.0	1366.1
23°	1380.0	1377.6	1375.6	1373.6	1364.5	1360.5	1355.1	1343.0	1342.5	1348.0	1356.7
23.5°	1370.7	1368.0	1366.7	1364.5	1355.0	1350.9	1345.8	1333.0	1332.6	1338.2	1346.7
24°	1361.0	1356.9	1357.1	1354.7	1345.6	1341.4	1336.2	1322.8	1322.3	1328.2	1336.7
24.5°	1351.2	1347.5	1347.3	1345.0	1335.4	1331.4	1325.9	1312.7	1312.2	1318.1	1327.1
25°	1341.5	1340.6	1337.1	1335.1	1325.4	1321.4	1315.6	1302.3	1301.5	1307.6	1316.7
25.5°	1331.2	1329.4	1327.0	1325.0	1315.4	1311.2	1305.3	1291.8	1291.1	1297.2	1306.3
26°	1320.6	1318.8	1316.9	1314.7	1305.0	1300.6	1295.1	1281.1	1280.1	1286.1	1295.6
26.5°	1310.3	1308.3	1306.4	1304.4	1294.7	1290.1	1284.0	1269.8	1269.2	1275.3	1285.1
27°	1299.7	1297.2	1295.7	1293.7	1283.8	1279.3	1273.6	1258.9	1258.0	1264.3	1274.1
27.5°	1288.7	1286.3	1285.0	1283.0	1272.8	1268.5	1262.6	1247.5	1246.7	1252.5	1262.9
28°	1277.7	1275.2	1273.8	1272.0	1262.0	1257.3	1251.5	1236.1	1234.9	1241.3	1251.4
28.5°	1266.2	1264.2	1262.7	1260.7	1250.7	1245.9	1239.9	1224.6	1223.5	1230.4	1239.8
29°	1254.7	1252.5	1251.4	1249.4	1239.4	1234.6	1228.6	1212.4	1211.5	1218.0	1228.3
29.5°	1243.2	1241.0	1239.7	1238.2	1227.6	1223.0	1216.9	1200.7	1199.5	1206.1	1216.5
30°	1231.5	1229.1	1227.9	1226.3	1215.9	1211.3	1205.0	1188.4	1187.2	1193.6	1204.2
30.5°	1219.5	1217.3	1216.0	1214.6	1203.6	1199.2	1192.8	1176.2	1175.3	1181.6	1192.0
31°	1207.1	1205.3	1203.5	1202.0	1191.7	1187.0	1180.8	1163.4	1162.6	1169.2	1179.5
31.5°	1194.8	1192.5	1191.2	1189.8	1179.3	1174.5	1167.9	1151.1	1150.0	1156.7	1166.9
32°	1182.5	1180.2	1179.3	1177.6	1166.9	1162.2	1155.5	1138.1	1137.1	1144.1	1154.1
32.5°	1169.9	1167.5	1166.3	1164.9	1153.7	1149.5	1142.5	1125.4	1124.5	1131.0	1141.6
33°	1157.2	1154.9	1153.7	1152.4	1140.9	1136.5	1129.8	1112.2	1111.3	1118.0	1128.5
33.5°	1144.1	1141.6	1140.3	1139.0	1127.8	1123.0	1116.7	1098.9	1098.4	1105.0	1114.9
34°	1130.9	1128.6	1127.6	1126.0	1114.8	1110.2	1103.7	1085.8	1085.1	1091.8	1102.3
34.5°	1117.7	1115.7	1114.2	1112.9	1101.3	1096.7	1089.9	1072.5	1072.0	1078.5	1088.5
35°	1104.5	1102.4	1100.9	1099.5	1088.0	1083.2	1076.6	1059.2	1058.5	1064.9	1075.4
35.5°	1090.8	1088.8	1087.3	1085.3	1074.1	1069.7	1062.9	1045.5	1045.3	1051.8	1061.8
36°	1077.3	1075.6	1073.7	1071.7	1060.4	1056.0	1049.8	1032.1	1031.7	1038.5	1048.2
36.5°	1063.9	1061.7	1059.9	1058.0	1046.4	1041.8	1035.9	1018.3	1017.9	1024.4	1034.1
37°	1050.2	1048.1	1045.9	1044.0	1032.2	1027.6	1021.7	1004.4	1003.9	1010.4	1020.2
37.5°	1036.4	1034.1	1032.2	1029.9	1018.2	1013.5	1007.9	990.2	989.6	995.8	1006.1
38°	1022.4	1020.4	1018.2	1016.2	1003.9	999.5	994.1	976.4	975.4	982.2	991.9
38.5°	1007.9	1005.6	1003.7	1001.5	989.7	984.9	979.5	961.8	961.4	967.8	976.6
39°	993.6	991.5	989.4	987.1	974.4	970.0	964.9	947.0	947.3	953.4	961.6
39.5°	979.6	977.4	975.4	972.6	958.9	954.5	949.4	931.4	932.1	937.7	945.6
40°	965.0	962.8	959.8	957.0	942.7	938.3	933.7	915.3	916.2	921.8	929.4
40.5°	949.8	947.5	943.8	940.6	926.5	921.7	916.8	899.0	900.0	905.6	912.6
41°	934.0	931.7	927.8	923.8	909.3	904.8	900.1	882.1	883.6	889.1	896.6
41.5°	917.5	915.2	911.0	907.0	892.3	887.9	883.2	865.2	867.0	872.9	879.6
42°	900.7	898.4	894.2	890.0	874.7	870.6	866.3	848.4	850.0	856.1	863.1
42.5°	883.8	881.5	876.9	872.7	857.5	853.4	849.2	831.5	833.2	838.9	846.0
43°	866.5	864.5	859.7	855.4	839.9	836.0	831.9	813.9	816.0	821.9	828.8
43.5°	849.3	847.0	842.5	837.6	822.2	818.1	814.6	796.8	799.2	805.0	811.4
44°	832.0	829.6	825.1	819.8	804.1	800.6	797.2	779.9	782.0	788.4	794.6
44.5°	814.5	811.9	807.5	801.8	786.4	783.2	780.0	763.1	765.2	770.9	777.1

TEST NUMBER: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	796.9	794.6	789.2	784.3	768.7	765.6	763.0	746.0	748.2	754.3	760.3
45.5°	779.9	777.3	772.2	766.1	751.1	748.3	745.7	729.3	731.5	737.7	743.1
46°	762.2	759.8	754.6	748.5	733.7	730.9	728.7	712.6	714.8	721.1	726.1
46.5°	745.0	742.4	737.1	730.8	716.2	713.6	711.7	695.9	698.2	704.5	709.2
47°	727.4	724.7	718.8	712.7	698.8	696.3	694.8	679.2	681.5	687.9	692.2
47.5°	710.3	707.5	701.6	695.1	681.3	678.9	677.8	662.5	664.8	671.3	675.3
48°	693.0	690.2	684.3	677.4	663.9	661.6	660.8	645.6	648.5	654.2	658.7
48.5°	675.7	673.3	667.1	660.2	646.2	644.6	644.0	629.2	632.0	637.5	641.5
49°	658.6	656.0	649.1	642.9	628.8	627.2	627.2	613.1	615.7	620.8	624.5
49.5°	642.2	639.4	632.6	625.7	611.6	610.6	610.5	596.5	599.3	604.2	607.7
50°	625.2	622.6	615.7	608.7	594.6	593.5	593.5	580.3	582.9	587.8	591.2
50.5°	608.6	605.8	598.6	591.3	578.0	576.9	577.6	563.9	567.0	571.4	574.3
51°	591.6	589.0	581.6	574.5	560.9	560.1	561.0	548.7	551.2	555.7	558.0
51.5°	575.6	572.7	565.2	558.0	544.4	544.2	545.1	532.7	535.6	539.7	541.7
52°	559.2	556.6	549.0	541.6	528.2	527.9	529.3	517.1	519.9	523.5	525.4
52.5°	543.3	540.6	532.8	525.3	512.3	511.9	513.1	501.7	504.3	507.7	509.4
53°	527.4	524.3	517.0	509.2	496.1	495.8	497.5	486.8	489.5	492.1	493.7
53.5°	511.5	508.7	501.1	493.2	480.3	480.4	482.2	471.1	474.2	477.0	477.7
54°	495.8	493.1	485.5	477.5	464.9	464.7	467.1	456.5	459.3	461.5	462.2
54.5°	480.6	477.8	469.7	462.2	449.9	449.5	452.1	441.8	444.4	446.8	446.9
55°	465.5	462.5	454.8	446.6	435.1	434.8	437.2	427.3	430.2	431.9	431.6
55.5°	450.6	447.8	439.8	431.9	420.0	420.0	422.4	412.6	415.4	417.3	416.8
56°	435.3	432.7	425.2	417.1	405.5	405.3	408.0	398.5	401.3	402.8	401.8
56.5°	420.9	418.2	410.6	402.7	391.3	391.0	394.0	384.5	387.3	388.4	387.3
57°	406.5	403.5	396.0	388.1	377.3	377.1	379.7	370.9	373.5	374.2	373.0
57.5°	392.0	389.5	381.7	374.2	363.4	363.5	366.0	357.2	360.0	360.4	358.7
58°	377.7	375.2	367.7	360.3	349.6	349.7	352.5	343.9	346.6	346.9	344.8
58.5°	364.2	361.6	354.3	346.8	336.4	336.5	339.3	330.6	333.2	333.4	331.2
59°	350.4	348.1	341.1	333.3	323.4	323.4	326.2	317.8	320.2	320.1	317.6
59.5°	335.2	337.2	328.2	320.5	310.5	310.6	313.4	305.0	307.1	307.1	304.3
60°	322.4	323.7	315.3	313.1	297.7	297.9	300.4	292.4	294.6	294.1	291.4
60.5°	309.9	310.1	302.5	299.5	285.5	285.6	288.1	280.1	282.1	281.7	278.5
61°	297.3	296.5	289.6	285.8	273.5	273.6	276.0	268.0	270.2	269.1	266.0
61.5°	284.7	282.9	276.7	272.2	261.7	261.7	264.0	256.2	258.1	257.0	253.8
62°	272.7	270.8	264.7	258.5	250.0	250.2	252.2	244.6	246.3	245.1	241.9
62.5°	260.3	258.8	252.8	247.2	238.7	238.9	241.0	232.9	234.3	233.3	229.9
63°	248.3	246.9	241.2	235.9	227.5	227.5	229.4	221.7	223.0	221.6	218.2
63.5°	236.6	235.2	230.0	224.8	216.6	216.7	218.5	210.8	212.0	210.5	207.1
64°	225.2	223.7	219.0	214.0	206.1	206.2	208.0	200.1	201.1	199.6	196.3
64.5°	213.7	212.6	208.3	203.5	195.7	195.9	197.3	189.7	190.3	188.9	185.7
65°	202.9	201.9	197.6	193.3	185.7	185.9	187.2	179.5	179.9	178.2	175.2
65.5°	192.1	191.4	187.5	183.3	176.0	176.2	177.3	169.3	169.6	168.2	165.1
66°	181.5	180.8	177.5	173.6	166.4	166.5	167.5	159.6	159.7	158.1	155.2
66.5°	171.2	170.6	167.8	164.1	157.0	157.2	158.1	150.2	150.0	148.6	145.7
67°	161.2	160.9	158.4	155.0	148.1	148.3	149.0	141.1	140.7	139.3	136.6

TEST NUMBER: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	151.6	151.4	149.2	146.0	139.5	139.6	140.2	132.4	131.5	130.3	127.8
68°	142.0	142.3	140.3	137.4	131.1	131.2	131.6	123.6	122.7	121.5	119.1
68.5°	132.9	133.3	131.9	129.2	123.0	122.9	123.4	115.5	114.0	113.2	110.9
69°	123.9	124.7	123.4	121.2	115.3	115.3	115.5	107.6	105.5	105.1	103.1
69.5°	115.0	116.4	115.6	113.4	107.8	107.7	107.7	99.9	97.5	97.2	95.6
70°	106.7	108.4	107.9	106.0	100.6	100.6	100.5	92.9	90.8	90.7	89.3
70.5°	98.6	100.8	100.6	98.9	93.9	93.8	93.6	86.6	84.1	84.2	83.0
71°	90.9	93.3	93.7	92.1	88.2	87.8	87.5	80.2	77.4	77.7	76.7
71.5°	83.4	86.3	87.0	85.7	82.4	81.8	81.3	73.9	70.7	71.2	70.4
72°	76.8	79.7	80.6	79.6	76.7	75.8	75.2	67.5	64.0	64.7	64.1
72.5°	70.5	73.4	74.6	73.9	70.9	69.7	69.0	62.1	58.9	59.5	59.0
73°	64.7	67.8	69.1	68.4	65.2	64.8	63.9	57.2	54.1	54.9	54.4
73.5°	59.4	62.6	63.9	63.5	60.5	60.1	59.0	52.9	49.8	50.6	50.4
74°	54.7	57.8	59.1	58.9	56.3	55.9	54.7	48.9	45.9	46.8	46.6
74.5°	50.5	53.3	54.6	54.7	52.5	52.0	50.7	45.2	43.4	43.5	43.5
75°	46.6	49.4	50.6	50.8	48.8	48.3	47.2	42.1	41.0	40.9	41.3
75.5°	43.7	45.9	47.0	47.2	45.5	44.9	44.4	40.0	39.0	39.0	39.4
76°	41.6	42.8	43.9	44.1	43.0	42.5	41.5	38.1	37.1	37.1	37.5
76.5°	39.3	40.1	41.4	41.9	40.9	40.6	39.7	36.3	35.3	35.2	35.6
77°	37.4	38.3	39.6	40.0	39.0	38.7	37.9	34.4	33.4	33.3	33.8
77.5°	35.6	36.4	37.7	38.1	37.2	36.9	36.0	32.6	31.6	31.5	32.0
78°	33.8	34.6	35.9	36.3	35.4	35.0	34.3	30.8	29.8	29.8	30.1
78.5°	32.0	32.9	33.9	34.4	33.5	33.2	32.5	29.1	28.1	28.0	28.3
79°	30.2	31.1	32.2	32.7	31.8	31.4	30.6	27.3	26.3	26.2	26.6
79.5°	28.5	29.3	30.5	31.0	30.0	29.7	28.8	25.6	24.6	24.5	25.0
80°	26.7	27.6	28.8	29.3	28.3	28.0	27.0	23.9	22.9	22.8	23.3
80.5°	24.9	25.8	27.1	27.6	26.6	26.3	25.3	22.2	21.3	21.2	21.6
81°	23.3	24.2	25.4	25.8	24.9	24.7	23.7	20.5	19.6	19.6	20.0
81.5°	21.6	22.4	23.7	24.1	23.2	23.0	22.1	18.9	18.0	17.9	18.5
82°	19.9	20.8	22.0	22.5	21.6	21.4	20.5	17.3	16.4	16.3	17.0
82.5°	18.3	19.1	20.4	20.9	20.0	19.8	18.9	15.7	14.9	14.8	15.4
83°	16.7	17.5	18.9	19.4	18.5	18.3	17.4	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	16.3	15.4	15.2	14.3	11.1	10.4	10.4	11.1
84.5°	12.1	12.8	14.3	14.7	13.9	13.7	12.8	9.8	9.1	9.0	9.8
85°	10.6	11.3	12.8	13.3	12.4	12.2	11.4	8.5	7.7	7.7	8.4
85.5°	9.1	9.8	11.4	11.8	10.9	10.8	10.0	7.1	6.3	6.3	7.0
86°	7.7	8.4	10.0	10.3	9.6	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°	4.1	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	2.7	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: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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	0.2	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	0.3	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: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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	0.6	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°	0.7	0.6	0.6	0.6	0.7	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	0.8	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	0.8	0.8	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	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	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	0.9	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	0.8	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: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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	0.8	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	1.0	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	1.0
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	1.0	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	1.0	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°	0.9	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
173.5°	0.9	0.9	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
174°	0.9	0.9	0.9	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P640163
CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1581.5	1581.5	1581.5	1581.5	1581.5	1581.5
0.5°	1581.2	1581.4	1581.6	1581.5	1582.0	1581.7
1°	1580.8	1581.5	1581.6	1581.3	1582.1	1581.6
1.5°	1580.1	1581.1	1581.5	1581.3	1582.2	1581.5
2°	1579.4	1580.6	1581.2	1580.9	1581.9	1581.4
2.5°	1578.3	1579.9	1580.7	1580.3	1581.4	1580.8
3°	1577.2	1579.2	1579.8	1579.6	1580.9	1580.0
3.5°	1575.8	1578.0	1578.8	1578.4	1580.1	1579.3
4°	1574.2	1576.6	1577.5	1577.2	1578.9	1578.0
4.5°	1572.6	1574.9	1576.1	1576.2	1577.7	1576.8
5°	1570.8	1573.4	1574.4	1574.5	1576.2	1575.4
5.5°	1568.4	1571.7	1572.6	1572.8	1574.5	1573.5
6°	1566.1	1569.8	1570.3	1570.4	1572.7	1571.6
6.5°	1563.7	1567.1	1568.0	1567.9	1570.7	1569.3
7°	1560.7	1564.9	1565.9	1565.9	1568.3	1567.1
7.5°	1558.1	1562.1	1563.2	1563.1	1566.0	1564.5
8°	1554.8	1559.1	1560.5	1560.4	1563.4	1561.7
8.5°	1551.4	1556.0	1557.5	1557.5	1560.6	1559.0
9°	1547.7	1552.8	1554.1	1554.0	1557.2	1555.5
9.5°	1544.1	1549.4	1550.7	1550.2	1554.0	1552.1
10°	1540.0	1545.5	1546.9	1547.1	1550.4	1548.6
10.5°	1535.9	1541.5	1543.1	1543.2	1546.6	1544.8
11°	1531.7	1537.6	1539.3	1538.9	1542.7	1540.9
11.5°	1527.0	1533.2	1535.1	1534.6	1538.5	1536.6
12°	1522.2	1528.6	1530.5	1530.0	1533.8	1531.9
12.5°	1517.5	1524.2	1525.8	1525.3	1529.2	1527.1
13°	1512.2	1519.0	1520.9	1520.5	1524.7	1522.5
13.5°	1506.8	1514.0	1515.8	1515.2	1519.6	1517.5
14°	1501.4	1508.6	1510.7	1510.0	1514.2	1512.2
14.5°	1495.5	1503.4	1505.0	1504.4	1508.9	1506.7
15°	1489.5	1497.7	1499.2	1498.5	1503.3	1500.8
15.5°	1483.1	1491.6	1493.4	1492.3	1497.2	1494.7
16°	1476.9	1485.5	1487.2	1486.0	1491.1	1488.7
16.5°	1470.2	1479.3	1480.9	1479.5	1484.7	1482.2
17°	1463.6	1472.8	1474.5	1473.1	1478.1	1475.6
17.5°	1456.6	1465.9	1467.8	1466.7	1471.5	1468.8
18°	1449.4	1458.8	1460.5	1459.3	1464.7	1461.8
18.5°	1442.1	1451.6	1453.2	1451.7	1457.3	1454.6
19°	1434.2	1444.3	1445.9	1444.5	1450.0	1447.1
19.5°	1426.5	1436.9	1438.5	1436.7	1442.6	1439.5
20°	1418.5	1429.1	1430.3	1428.8	1434.7	1431.5
20.5°	1410.3	1421.2	1422.4	1420.5	1426.5	1423.7
21°	1401.6	1412.9	1414.3	1411.9	1418.4	1415.4
21.5°	1393.0	1404.3	1405.8	1403.4	1409.8	1406.7
22°	1384.2	1395.6	1396.9	1394.7	1401.3	1398.0



TEST NUMBER: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1375.2	1387.1	1388.2	1386.3	1392.1	1389.1
23°	1365.8	1377.8	1378.9	1376.9	1383.0	1380.0
23.5°	1356.7	1368.8	1369.6	1367.3	1374.0	1370.7
24°	1347.1	1359.2	1360.1	1357.5	1364.5	1361.0
24.5°	1337.4	1349.6	1350.3	1347.8	1354.3	1351.2
25°	1326.9	1339.7	1340.5	1338.1	1344.5	1341.5
25.5°	1316.8	1329.8	1330.4	1327.5	1334.2	1331.2
26°	1306.5	1319.9	1320.3	1316.9	1324.1	1320.6
26.5°	1296.1	1309.2	1309.7	1306.4	1313.5	1310.3
27°	1284.9	1298.7	1298.9	1295.4	1302.7	1299.7
27.5°	1273.7	1287.8	1288.3	1284.4	1291.5	1288.7
28°	1262.5	1276.8	1276.9	1273.0	1280.4	1277.7
28.5°	1251.6	1265.4	1265.5	1261.8	1269.0	1266.2
29°	1239.8	1253.9	1254.0	1250.2	1257.7	1254.7
29.5°	1227.9	1242.5	1242.5	1238.3	1246.0	1243.2
30°	1216.0	1230.7	1230.3	1226.2	1234.5	1231.5
30.5°	1204.2	1218.9	1218.3	1213.8	1222.4	1219.5
31°	1191.4	1206.2	1205.9	1201.3	1210.3	1207.1
31.5°	1178.8	1193.7	1193.4	1188.7	1198.0	1194.8
32°	1166.3	1181.3	1180.9	1176.0	1185.3	1182.5
32.5°	1153.5	1168.6	1167.7	1163.2	1172.4	1169.9
33°	1140.1	1155.3	1154.5	1150.1	1159.9	1157.2
33.5°	1127.1	1142.3	1141.2	1137.0	1146.9	1144.1
34°	1113.6	1129.0	1128.2	1123.6	1133.6	1130.9
34.5°	1100.4	1115.3	1114.1	1109.7	1120.5	1117.7
35°	1086.6	1101.6	1100.6	1096.3	1106.7	1104.5
35.5°	1072.8	1088.2	1086.8	1082.6	1093.2	1090.8
36°	1059.5	1074.4	1073.2	1068.8	1079.8	1077.3
36.5°	1045.0	1060.6	1059.4	1054.9	1066.0	1063.9
37°	1031.2	1046.2	1045.4	1040.9	1052.0	1050.2
37.5°	1016.9	1032.3	1030.4	1026.6	1037.9	1036.4
38°	1002.2	1017.7	1016.2	1012.1	1023.9	1022.4
38.5°	986.9	1002.6	1001.4	997.6	1009.3	1007.9
39°	971.5	986.8	986.0	982.4	995.1	993.6
39.5°	955.2	970.9	969.2	966.4	980.8	979.6
40°	939.0	954.7	953.1	949.8	965.2	965.0
40.5°	922.4	938.2	936.4	933.3	949.2	949.8
41°	905.6	921.5	919.5	916.4	932.9	934.0
41.5°	888.6	904.0	902.0	899.0	916.4	917.5
42°	871.4	886.9	884.7	881.8	898.9	900.7
42.5°	853.8	869.7	867.5	864.8	881.9	883.8
43°	836.3	852.1	849.6	847.4	864.9	866.5
43.5°	818.8	833.9	831.5	829.2	847.5	849.3
44°	801.5	816.1	813.9	811.7	829.4	832.0
44.5°	784.0	798.4	795.7	794.2	812.5	814.5



TEST NUMBER: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	765.9	780.5	777.8	776.6	795.0	796.9
45.5°	748.6	762.3	760.1	758.7	777.3	779.9
46°	731.3	744.5	742.1	741.1	759.8	762.2
46.5°	714.0	726.2	723.8	723.6	742.8	745.0
47°	696.7	708.3	706.0	706.0	724.9	727.4
47.5°	679.4	689.8	688.3	688.2	707.5	710.3
48°	662.1	672.5	670.7	671.1	690.3	693.0
48.5°	644.7	654.5	652.7	653.7	673.2	675.7
49°	627.7	637.0	635.8	636.3	655.9	658.6
49.5°	610.3	619.8	618.5	619.4	638.7	642.2
50°	593.2	602.1	600.9	602.2	622.0	625.2
50.5°	576.2	584.7	583.8	585.0	605.2	608.6
51°	559.8	567.7	566.9	568.5	588.6	591.6
51.5°	543.6	551.0	550.1	552.2	572.0	575.6
52°	526.5	534.3	533.6	535.7	555.6	559.2
52.5°	510.1	517.9	517.1	519.7	539.7	543.3
53°	494.0	501.5	500.8	503.5	523.4	527.4
53.5°	478.2	485.4	484.8	487.4	507.7	511.5
54°	462.3	469.5	469.0	471.7	491.8	495.8
54.5°	446.8	454.1	453.5	456.3	476.6	480.6
55°	431.5	438.7	438.0	441.4	461.5	465.5
55.5°	416.4	423.6	422.9	426.3	446.0	450.6
56°	401.5	408.4	408.0	410.9	431.0	435.3
56.5°	386.7	393.6	393.5	396.4	416.6	420.9
57°	372.1	378.8	378.8	382.0	402.1	406.5
57.5°	358.2	364.9	364.5	367.7	387.4	392.0
58°	344.1	350.7	350.5	353.6	373.2	377.7
58.5°	330.6	334.7	334.7	340.4	359.6	364.2
59°	316.8	321.8	321.9	327.2	346.1	350.4
59.5°	303.4	309.1	309.2	314.0	338.6	335.2
60°	290.3	296.4	296.5	300.7	324.1	322.4
60.5°	277.8	283.7	283.8	287.5	309.5	309.9
61°	264.9	270.8	271.3	274.3	294.8	297.3
61.5°	252.8	258.7	259.0	262.0	280.2	284.7
62°	240.6	246.6	246.9	250.0	268.1	272.7
62.5°	228.8	234.6	235.0	238.2	255.9	260.3
63°	217.3	222.8	223.5	226.5	243.9	248.3
63.5°	206.0	211.5	212.2	215.3	232.0	236.6
64°	194.9	200.4	201.2	204.3	220.8	225.2
64.5°	184.2	189.5	190.4	193.6	209.4	213.7
65°	173.6	179.0	180.0	183.0	198.5	202.9
65.5°	163.7	168.6	169.7	172.8	188.0	192.1
66°	153.7	158.6	159.8	162.8	177.5	181.5
66.5°	144.2	149.0	150.0	153.1	167.2	171.2
67°	135.1	139.4	140.7	143.9	157.5	161.2



TEST NUMBER: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	126.0	130.5	131.8	134.9	147.8	151.6
68°	117.5	121.7	123.1	126.1	138.7	142.0
68.5°	109.5	113.4	114.9	117.7	129.7	132.9
69°	101.7	105.4	106.7	109.4	121.2	123.9
69.5°	94.2	97.7	99.0	101.6	112.8	115.0
70°	87.9	90.4	91.9	94.5	104.7	106.7
70.5°	81.5	83.9	85.1	87.5	97.2	98.6
71°	75.1	77.5	78.7	80.8	89.9	90.9
71.5°	68.7	71.6	72.8	74.7	83.1	83.4
72°	63.4	66.2	67.2	69.1	76.6	76.8
72.5°	58.7	61.4	62.1	63.7	70.5	70.5
73°	54.3	56.8	57.5	58.7	64.9	64.7
73.5°	50.4	52.7	53.3	54.3	59.7	59.4
74°	46.6	48.8	49.3	50.3	54.9	54.7
74.5°	43.7	45.5	45.9	46.7	50.8	50.5
75°	41.5	42.9	43.2	43.6	47.0	46.6
75.5°	39.5	40.8	41.1	41.3	43.6	43.7
76°	37.6	38.8	39.0	39.4	40.9	41.6
76.5°	35.7	36.9	37.2	37.5	39.0	39.3
77°	33.8	35.0	35.3	35.6	37.1	37.4
77.5°	32.0	33.3	33.9	33.8	35.3	35.6
78°	30.3	31.5	32.0	32.0	33.9	33.8
78.5°	28.5	29.7	30.2	30.2	32.0	32.0
79°	26.8	28.0	28.3	28.4	30.2	30.2
79.5°	25.1	26.2	26.4	26.6	28.3	28.5
80°	23.4	24.5	24.7	24.9	26.4	26.7
80.5°	21.8	22.9	23.1	23.2	24.6	24.9
81°	20.2	21.2	21.5	21.6	22.9	23.3
81.5°	18.7	19.6	19.8	20.0	21.3	21.6
82°	17.1	18.1	18.3	18.4	19.6	19.9
82.5°	15.6	16.6	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	12.1	12.3	12.3	13.2	13.6
84.5°	9.8	10.6	10.8	10.9	11.8	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°	5.7	6.4	6.6	6.7	7.4	7.7
86.5°	4.3	5.1	5.3	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	4.1
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: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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	0.4	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	0.5	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	0.6	0.6	0.6



TEST NUMBER: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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°	0.6	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	0.7
143°	0.7	0.6	0.6	0.6	0.6	0.7
143.5°	0.7	0.6	0.6	0.7	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	0.8	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	0.8	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: P640163

CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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	0.8	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	0.8	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°	1.0	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	0.9
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: P640163
CATALOG NUMBER: LCR630RD9FSE040-42W-3500K

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)