

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: P640166

Luminaire Tested: LCR630RD9FSE040-42W-6500K

Issue Date: 2/13/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640166  
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-6500K  
Description: LCR 6  
Light Source: 6500K CCT, 93 CRI LEDS  
Ballast/Driver: -

**Summary**

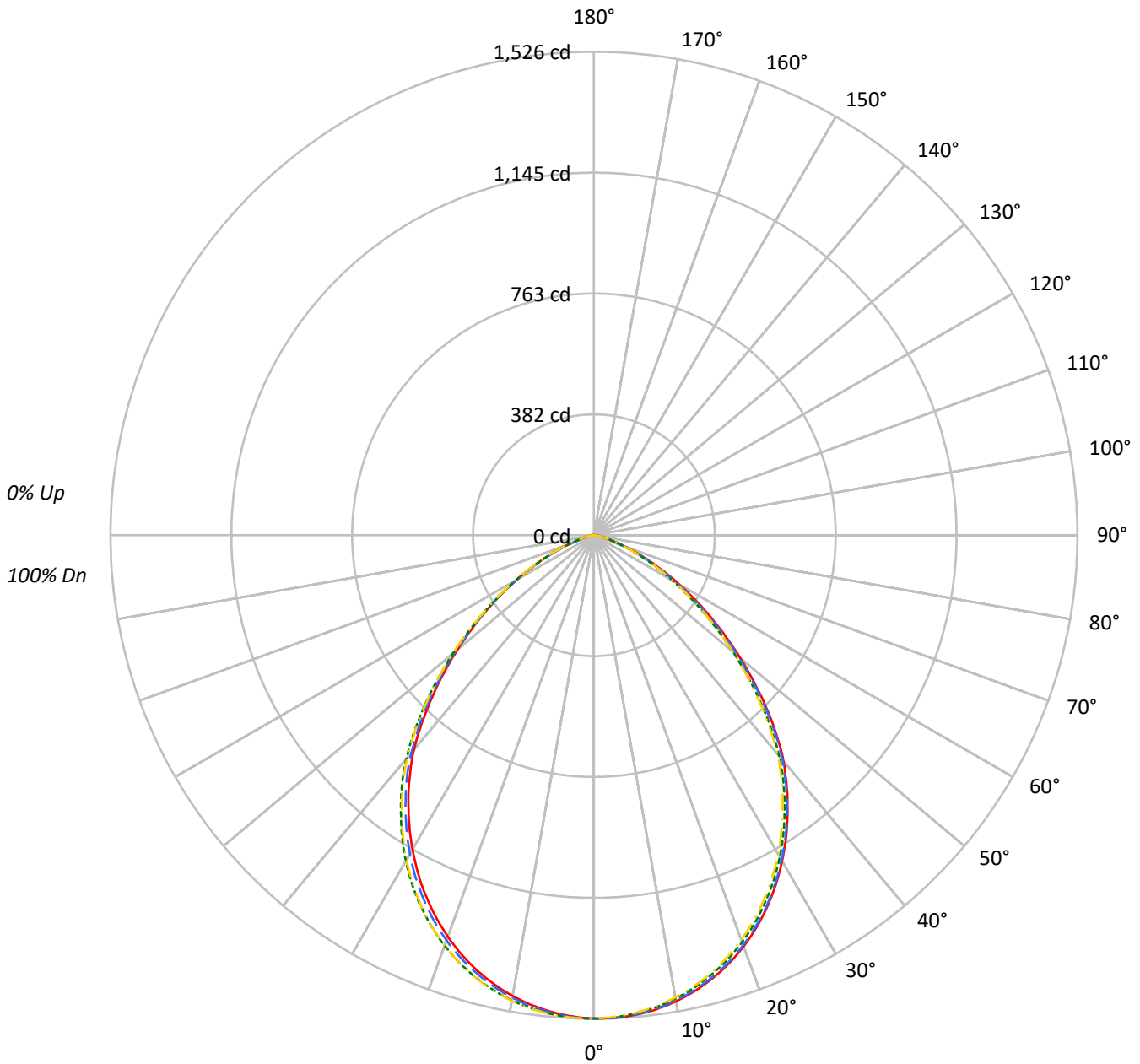
Lumens per Lamp: N/A  
Luminaire Lumens: 2995.0 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.16 / 1.22  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 32.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P640166  
CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

### 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°	83623	83623	83623	83623
5°	83623	83337	83139	83518
10°	83148	82642	82202	82981
15°	82157	81465	80738	81987
20°	80554	79731	78664	80419
25°	78271	77327	75936	78162
30°	75195	74239	72492	75144
35°	71300	70236	68328	71112
40°	66611	65072	63247	65902
45°	59588	57487	55952	58363
50°	51427	48911	47956	49534
55°	42914	40113	39655	40448
60°	34098	31489	31160	31346
65°	25385	23232	22506	22389
70°	16509	15564	14041	13977
75°	9510	9976	8366	8769
80°	8145	8619	6977	7450
85°	6416	7548	4655	5598

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59588 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.8	4.8
10°-20°	404.8	13.5
20°-30°	588.3	19.6
30°-40°	654.4	21.8
40°-50°	573.7	19.2
50°-60°	382.6	12.8
60°-70°	181.5	6.1
70°-80°	52.2	1.7
80°-90°	11.5	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
<b>0°-30°</b>	<b>1136.8</b>	<b>38.0</b>
<b>0°-40°</b>	<b>1791.2</b>	<b>59.8</b>
<b>0°-60°</b>	<b>2747.4</b>	<b>91.7</b>
<b>0°-90°</b>	<b>2992.6</b>	<b>99.9</b>
90°-120°	0.5	0.0
90°-150°	1.7	0.1
<b>90°-180°</b>	<b>2.0</b>	<b>0.1</b>
<b>0°-180°</b>	<b>2995.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1525	1525	1525	1525	1525	
5°	1520	1514	1511	1518	1520	144
15°	1448	1435	1423	1445	1448	408
25°	1294	1278	1255	1292	1294	595
35°	1065	1050	1021	1063	1065	665
45°	769	742	722	753	769	591
55°	449	420	415	423	449	403
65°	196	179	174	173	196	197
75°	45	47	40	41	45	55
85°	10	12	7	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°	1525.4	1525.4	1525.4	1525.4	1525.4	1525.4	1525.4	1525.4	1525.4	1525.4	1525.4
0.5°	1525.6	1525.8	1525.5	1525.3	1525.2	1525.3	1524.9	1524.9	1524.8	1525.3	1525.3
1°	1525.5	1525.7	1525.5	1525.0	1524.9	1524.8	1524.2	1524.1	1524.1	1524.5	1524.7
1.5°	1525.4	1525.8	1525.3	1524.7	1524.1	1524.0	1523.6	1522.9	1523.0	1523.6	1523.8
2°	1525.3	1525.3	1525.1	1524.3	1523.5	1523.3	1522.5	1521.8	1522.0	1522.4	1523.1
2.5°	1524.8	1524.9	1524.4	1523.2	1522.4	1522.1	1521.3	1520.4	1520.4	1521.6	1522.1
3°	1524.0	1524.6	1523.6	1522.5	1521.3	1520.4	1520.0	1519.0	1519.0	1519.8	1521.2
3.5°	1523.3	1522.9	1522.6	1521.4	1519.7	1519.1	1518.8	1516.9	1517.1	1518.2	1519.6
4°	1522.1	1521.9	1521.0	1519.9	1518.3	1517.5	1516.7	1515.1	1515.3	1516.3	1517.7
4.5°	1521.0	1520.6	1519.6	1518.6	1516.2	1515.6	1515.0	1513.0	1513.1	1514.6	1515.8
5°	1519.6	1519.0	1518.0	1516.7	1514.4	1513.6	1512.9	1510.8	1510.8	1511.8	1513.5
5.5°	1517.8	1517.4	1516.2	1514.7	1512.4	1511.3	1510.4	1508.3	1508.2	1509.9	1511.4
6°	1515.9	1515.3	1514.2	1512.6	1509.9	1508.8	1508.0	1505.5	1505.6	1507.4	1509.0
6.5°	1513.7	1512.7	1512.0	1510.3	1507.3	1506.3	1505.3	1502.9	1502.9	1504.6	1506.3
7°	1511.6	1510.7	1509.6	1507.9	1504.7	1503.6	1502.2	1499.4	1499.5	1501.3	1503.6
7.5°	1509.1	1508.3	1507.1	1505.1	1502.1	1500.6	1498.8	1496.4	1496.1	1498.3	1500.4
8°	1506.3	1504.9	1504.3	1502.3	1498.9	1497.7	1496.0	1492.7	1492.8	1494.6	1497.2
8.5°	1503.7	1502.8	1501.3	1499.3	1495.9	1494.3	1492.4	1489.1	1489.1	1491.1	1493.9
9°	1500.4	1499.5	1498.1	1495.9	1492.2	1490.9	1488.7	1485.0	1485.0	1487.3	1490.5
9.5°	1497.1	1495.9	1494.7	1492.6	1488.6	1486.9	1485.1	1481.0	1481.0	1483.5	1486.4
10°	1493.7	1492.5	1490.9	1488.7	1484.6	1483.0	1481.0	1476.7	1476.7	1479.2	1482.3
10.5°	1490.1	1488.9	1487.3	1485.0	1480.7	1478.8	1476.8	1472.0	1472.4	1474.9	1478.3
11°	1486.3	1484.7	1483.1	1481.1	1476.5	1474.5	1472.4	1467.1	1467.5	1470.2	1473.9
11.5°	1482.2	1480.6	1479.0	1476.5	1471.9	1469.8	1467.9	1462.3	1462.3	1465.3	1469.2
12°	1477.7	1475.9	1474.5	1472.0	1467.4	1465.2	1463.0	1457.1	1457.4	1460.3	1464.4
12.5°	1473.0	1472.1	1469.9	1467.7	1462.6	1460.4	1457.8	1452.0	1452.3	1455.3	1459.4
13°	1468.5	1466.7	1464.9	1462.8	1457.6	1455.2	1452.8	1446.6	1446.5	1449.7	1454.1
13.5°	1463.7	1462.1	1460.0	1457.8	1452.5	1449.7	1447.3	1440.8	1440.9	1444.4	1448.8
14°	1458.7	1456.6	1454.9	1452.5	1446.9	1444.3	1441.8	1434.8	1434.8	1438.6	1443.0
14.5°	1453.3	1451.3	1449.4	1447.1	1441.4	1438.8	1435.8	1428.6	1428.8	1432.5	1437.4
15°	1447.6	1445.5	1444.0	1441.6	1435.4	1432.8	1429.8	1422.4	1422.6	1426.8	1431.4
15.5°	1441.8	1440.5	1438.0	1435.7	1429.5	1426.7	1423.8	1416.0	1416.1	1419.8	1425.2
16°	1436.0	1434.5	1432.1	1429.7	1423.1	1420.6	1417.4	1409.4	1409.2	1413.2	1418.6
16.5°	1429.7	1427.8	1426.1	1423.6	1417.0	1414.1	1410.7	1402.3	1402.5	1406.5	1412.2
17°	1423.4	1421.6	1419.5	1417.1	1410.5	1407.3	1403.8	1395.3	1395.3	1399.6	1405.1
17.5°	1416.8	1415.6	1412.8	1410.8	1403.7	1400.3	1396.7	1388.0	1388.1	1392.4	1398.3
18°	1410.0	1408.4	1406.3	1404.0	1396.4	1393.4	1389.5	1380.4	1380.4	1384.6	1391.1
18.5°	1403.1	1402.5	1399.1	1396.7	1389.3	1386.1	1382.3	1372.9	1372.5	1377.2	1383.7
19°	1395.8	1394.4	1391.7	1389.5	1382.0	1378.7	1374.5	1365.0	1364.5	1369.2	1376.0
19.5°	1388.5	1387.0	1384.5	1382.1	1374.6	1371.0	1367.1	1357.1	1356.7	1361.8	1368.6
20°	1380.8	1378.8	1376.6	1374.6	1366.7	1363.3	1358.9	1348.9	1348.4	1353.6	1360.5
20.5°	1373.3	1371.3	1369.1	1366.9	1358.6	1355.4	1350.8	1340.4	1339.9	1345.3	1352.4
21°	1365.3	1362.8	1360.8	1359.1	1350.7	1347.2	1342.4	1331.6	1331.2	1336.5	1343.9
21.5°	1356.9	1355.1	1352.8	1350.6	1342.4	1338.5	1333.9	1322.9	1322.6	1327.6	1335.2
22°	1348.4	1346.7	1344.5	1342.0	1333.9	1330.2	1325.7	1313.9	1313.5	1318.8	1326.8



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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°	1339.9	1337.6	1335.9	1333.6	1325.1	1321.3	1316.1	1304.6	1304.3	1309.9	1317.7
23°	1331.1	1328.8	1326.9	1325.0	1316.2	1312.3	1307.1	1295.4	1294.9	1300.3	1308.6
23.5°	1322.2	1319.5	1318.3	1316.2	1307.0	1303.1	1298.1	1285.8	1285.4	1290.8	1299.0
24°	1312.8	1308.8	1309.0	1306.7	1297.9	1293.9	1288.8	1275.9	1275.4	1281.2	1289.3
24.5°	1303.4	1299.8	1299.6	1297.3	1288.1	1284.3	1278.9	1266.2	1265.7	1271.4	1280.1
25°	1294.0	1293.1	1289.7	1287.8	1278.4	1274.6	1269.0	1256.1	1255.4	1261.3	1270.0
25.5°	1284.1	1282.3	1280.0	1278.1	1268.8	1264.8	1259.1	1246.1	1245.4	1251.2	1260.0
26°	1273.8	1272.0	1270.2	1268.2	1258.8	1254.5	1249.3	1235.7	1234.7	1240.5	1249.7
26.5°	1263.9	1262.0	1260.1	1258.2	1248.9	1244.4	1238.5	1224.8	1224.3	1230.2	1239.6
27°	1253.6	1251.2	1249.8	1247.9	1238.3	1233.9	1228.5	1214.3	1213.4	1219.5	1229.0
27.5°	1243.1	1240.7	1239.5	1237.5	1227.7	1223.6	1217.9	1203.3	1202.5	1208.2	1218.1
28°	1232.4	1230.1	1228.7	1227.0	1217.3	1212.7	1207.2	1192.3	1191.2	1197.3	1207.1
28.5°	1221.3	1219.4	1218.0	1216.0	1206.4	1201.8	1195.9	1181.2	1180.1	1186.8	1195.9
29°	1210.3	1208.2	1207.1	1205.2	1195.5	1190.9	1185.1	1169.5	1168.6	1174.8	1184.8
29.5°	1199.1	1197.0	1195.8	1194.3	1184.1	1179.7	1173.7	1158.1	1157.0	1163.4	1173.4
30°	1187.9	1185.6	1184.4	1182.9	1172.8	1168.4	1162.3	1146.3	1145.2	1151.4	1161.5
30.5°	1176.3	1174.1	1172.9	1171.6	1161.0	1156.7	1150.6	1134.5	1133.6	1139.7	1149.8
31°	1164.3	1162.6	1160.9	1159.4	1149.5	1145.0	1138.9	1122.2	1121.4	1127.8	1137.7
31.5°	1152.5	1150.3	1149.0	1147.7	1137.5	1132.9	1126.5	1110.3	1109.3	1115.7	1125.6
32°	1140.6	1138.4	1137.5	1135.8	1125.6	1121.0	1114.5	1097.7	1096.8	1103.6	1113.3
32.5°	1128.5	1126.2	1125.0	1123.6	1112.9	1108.8	1102.0	1085.5	1084.7	1091.0	1101.1
33°	1116.2	1114.0	1112.9	1111.6	1100.5	1096.2	1089.8	1072.8	1072.0	1078.4	1088.5
33.5°	1103.6	1101.1	1099.9	1098.6	1087.9	1083.2	1077.1	1059.9	1059.5	1065.9	1075.5
34°	1090.9	1088.6	1087.7	1086.1	1075.4	1070.9	1064.6	1047.3	1046.7	1053.2	1063.2
34.5°	1078.1	1076.1	1074.8	1073.5	1062.3	1057.8	1051.3	1034.5	1034.1	1040.3	1050.0
35°	1065.4	1063.3	1061.9	1060.5	1049.5	1044.8	1038.4	1021.6	1021.0	1027.2	1037.3
35.5°	1052.2	1050.2	1048.8	1046.9	1036.1	1031.8	1025.2	1008.5	1008.3	1014.6	1024.2
36°	1039.1	1037.5	1035.7	1033.8	1022.8	1018.5	1012.6	995.6	995.2	1001.7	1011.1
36.5°	1026.2	1024.1	1022.3	1020.5	1009.3	1004.9	999.2	982.2	981.8	988.1	997.5
37°	1013.0	1011.0	1008.9	1007.0	995.7	991.2	985.5	968.8	968.4	974.6	984.0
37.5°	999.6	997.5	995.7	993.4	982.1	977.6	972.2	955.2	954.6	960.5	970.5
38°	986.2	984.2	982.1	980.2	968.3	964.1	958.9	941.8	940.8	947.4	956.7
38.5°	972.2	970.0	968.1	966.0	954.6	950.0	944.8	927.7	927.4	933.5	942.0
39°	958.4	956.4	954.4	952.1	939.9	935.6	930.7	913.4	913.7	919.7	927.5
39.5°	944.9	942.8	940.9	938.1	924.9	920.7	915.8	898.4	899.0	904.5	912.1
40°	930.8	928.7	925.8	923.1	909.3	905.1	900.6	882.9	883.8	889.2	896.4
40.5°	916.2	913.9	910.4	907.3	893.6	889.0	884.3	867.2	868.1	873.5	880.3
41°	900.9	898.7	894.9	891.1	877.1	872.7	868.2	850.8	852.3	857.6	864.8
41.5°	885.0	882.8	878.7	874.9	860.7	856.5	851.9	834.5	836.2	842.0	848.4
42°	868.8	866.5	862.5	858.5	843.7	839.8	835.6	818.4	819.9	825.7	832.5
42.5°	852.5	850.3	845.8	841.8	827.1	823.2	819.1	802.0	803.7	809.1	816.1
43°	835.8	833.9	829.2	825.1	810.1	806.4	802.4	785.0	787.1	792.7	799.4
43.5°	819.2	817.0	812.6	807.9	793.1	789.1	785.7	768.6	770.9	776.5	782.7
44°	802.6	800.2	795.9	790.7	775.6	772.2	769.0	752.3	754.3	760.5	766.5
44.5°	785.7	783.2	778.9	773.4	758.6	755.5	752.4	736.0	738.1	743.6	749.5



TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	768.6	766.5	761.2	756.5	741.5	738.5	735.9	719.6	721.7	727.5	733.3
45.5°	752.3	749.7	744.8	739.0	724.5	721.8	719.2	703.5	705.6	711.5	716.7
46°	735.2	732.9	727.9	722.0	707.7	705.1	702.9	687.3	689.5	695.5	700.4
46.5°	718.6	716.1	711.0	704.9	690.9	688.3	686.5	671.2	673.4	679.5	684.1
47°	701.6	699.0	693.3	687.5	674.0	671.6	670.1	655.1	657.3	663.5	667.7
47.5°	685.1	682.5	676.8	670.5	657.2	654.9	653.8	639.0	641.3	647.5	651.4
48°	668.4	665.8	660.0	653.4	640.4	638.1	637.4	622.8	625.5	631.0	635.4
48.5°	651.8	649.5	643.5	636.8	623.3	621.7	621.2	606.9	609.6	614.9	618.8
49°	635.3	632.7	626.1	620.2	606.5	605.0	605.0	591.4	593.9	598.8	602.4
49.5°	619.4	616.7	610.2	603.6	589.9	589.0	588.8	575.4	578.1	582.8	586.2
50°	603.0	600.5	593.9	587.1	573.5	572.5	572.5	559.8	562.3	566.9	570.2
50.5°	587.1	584.4	577.4	570.3	557.6	556.5	557.1	544.0	546.9	551.1	553.9
51°	570.6	568.1	561.0	554.2	541.0	540.2	541.1	529.2	531.7	536.0	538.2
51.5°	555.2	552.4	545.2	538.2	525.1	525.0	525.8	513.8	516.7	520.6	522.6
52°	539.4	536.9	529.6	522.4	509.5	509.2	510.5	498.8	501.5	505.0	506.8
52.5°	524.1	521.5	513.9	506.7	494.2	493.8	494.9	483.9	486.4	489.7	491.3
53°	508.7	505.8	498.7	491.1	478.6	478.2	479.9	469.5	472.2	474.7	476.2
53.5°	493.4	490.7	483.3	475.7	463.3	463.4	465.1	454.4	457.4	460.1	460.8
54°	478.2	475.7	468.3	460.5	448.4	448.2	450.6	440.4	443.0	445.2	445.9
54.5°	463.5	460.9	453.1	445.8	433.9	433.6	436.1	426.2	428.7	430.9	431.1
55°	449.0	446.1	438.7	430.8	419.7	419.4	421.7	412.1	414.9	416.6	416.3
55.5°	434.6	432.0	424.2	416.6	405.1	405.1	407.4	398.0	400.7	402.5	402.1
56°	419.9	417.3	410.1	402.3	391.2	391.0	393.6	384.4	387.1	388.5	387.6
56.5°	406.0	403.3	396.0	388.4	377.4	377.2	380.0	370.9	373.6	374.7	373.5
57°	392.1	389.2	382.0	374.3	363.9	363.7	366.3	357.7	360.3	360.9	359.8
57.5°	378.1	375.7	368.1	360.9	350.5	350.6	353.0	344.5	347.2	347.6	345.9
58°	364.3	361.9	354.7	347.5	337.2	337.3	340.0	331.7	334.4	334.6	332.6
58.5°	351.3	348.8	341.8	334.6	324.5	324.6	327.3	318.9	321.4	321.6	319.5
59°	338.0	335.8	329.0	321.5	311.9	312.0	314.7	306.5	308.9	308.8	306.4
59.5°	323.3	325.3	316.6	309.2	299.5	299.6	302.3	294.2	296.2	296.2	293.6
60°	311.0	312.3	304.2	302.0	287.2	287.3	289.8	282.0	284.2	283.7	281.0
60.5°	298.9	299.1	291.7	288.8	275.4	275.5	277.9	270.2	272.1	271.7	268.6
61°	286.7	286.0	279.3	275.7	263.8	263.9	266.2	258.5	260.6	259.6	256.6
61.5°	274.6	272.9	266.9	262.5	252.5	252.4	254.7	247.1	248.9	247.9	244.8
62°	263.0	261.2	255.3	249.4	241.1	241.4	243.3	235.9	237.6	236.4	233.3
62.5°	251.1	249.6	243.8	238.4	230.3	230.4	232.4	224.7	226.0	225.1	221.7
63°	239.5	238.2	232.7	227.6	219.4	219.4	221.3	213.8	215.1	213.8	210.5
63.5°	228.2	226.9	221.8	216.8	209.0	209.1	210.7	203.3	204.5	203.0	199.8
64°	217.2	215.8	211.2	206.4	198.8	198.9	200.6	193.0	193.9	192.5	189.3
64.5°	206.2	205.1	200.9	196.3	188.8	188.9	190.3	183.0	183.5	182.2	179.1
65°	195.7	194.7	190.6	186.5	179.1	179.3	180.5	173.1	173.5	171.9	169.0
65.5°	185.3	184.6	180.9	176.8	169.8	169.9	171.0	163.3	163.6	162.3	159.2
66°	175.1	174.4	171.2	167.4	160.5	160.6	161.6	153.9	154.1	152.5	149.7
66.5°	165.1	164.6	161.9	158.3	151.4	151.6	152.5	144.9	144.7	143.3	140.6
67°	155.5	155.2	152.8	149.5	142.9	143.0	143.7	136.1	135.7	134.4	131.8





TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	146.2	146.0	143.9	140.9	134.5	134.7	135.2	127.7	126.8	125.7	123.2
68°	137.0	137.2	135.4	132.5	126.5	126.6	127.0	119.2	118.3	117.2	114.9
68.5°	128.2	128.5	127.2	124.6	118.7	118.6	119.0	111.4	110.0	109.2	107.0
69°	119.5	120.3	119.1	116.9	111.2	111.2	111.4	103.7	101.8	101.4	99.5
69.5°	110.9	112.2	111.5	109.4	103.9	103.9	103.9	96.4	94.1	93.7	92.3
70°	103.0	104.6	104.1	102.3	97.1	97.0	96.9	89.6	87.6	87.5	86.2
70.5°	95.1	97.3	97.1	95.4	90.6	90.5	90.3	83.5	81.1	81.2	80.1
71°	87.7	90.0	90.3	88.8	85.1	84.7	84.4	77.4	74.7	74.9	74.0
71.5°	80.5	83.2	83.9	82.7	79.5	78.9	78.4	71.2	68.2	68.7	67.9
72°	74.1	76.9	77.7	76.8	73.9	73.1	72.5	65.1	61.7	62.4	61.8
72.5°	68.0	70.8	72.0	71.3	68.4	67.3	66.6	59.9	56.8	57.4	56.9
73°	62.4	65.4	66.7	66.0	62.9	62.5	61.6	55.2	52.1	52.9	52.4
73.5°	57.3	60.4	61.6	61.2	58.4	57.9	56.9	51.0	48.1	48.9	48.6
74°	52.8	55.8	57.0	56.8	54.3	53.9	52.8	47.1	44.2	45.2	45.0
74.5°	48.7	51.4	52.7	52.7	50.6	50.1	48.9	43.6	41.9	41.9	42.0
75°	44.9	47.7	48.8	49.0	47.1	46.6	45.5	40.7	39.5	39.5	39.8
75.5°	42.1	44.3	45.4	45.6	43.9	43.3	42.8	38.6	37.7	37.6	38.0
76°	40.2	41.3	42.3	42.6	41.4	41.0	40.1	36.8	35.8	35.8	36.1
76.5°	37.9	38.7	40.0	40.4	39.5	39.1	38.3	35.0	34.0	34.0	34.3
77°	36.1	36.9	38.2	38.6	37.7	37.3	36.6	33.2	32.2	32.2	32.6
77.5°	34.3	35.1	36.4	36.7	35.9	35.6	34.8	31.5	30.5	30.4	30.8
78°	32.6	33.4	34.6	35.0	34.1	33.8	33.0	29.7	28.8	28.7	29.0
78.5°	30.9	31.7	32.7	33.2	32.3	32.0	31.3	28.0	27.1	27.0	27.3
79°	29.2	30.0	31.0	31.6	30.6	30.3	29.5	26.3	25.4	25.3	25.7
79.5°	27.5	28.3	29.4	29.9	28.9	28.6	27.8	24.7	23.7	23.6	24.1
80°	25.8	26.6	27.8	28.2	27.3	27.0	26.1	23.1	22.1	22.0	22.5
80.5°	24.1	24.9	26.1	26.6	25.6	25.3	24.5	21.4	20.5	20.4	20.9
81°	22.5	23.3	24.5	24.9	24.0	23.8	22.9	19.8	18.9	18.9	19.3
81.5°	20.8	21.7	22.8	23.3	22.4	22.2	21.3	18.2	17.4	17.3	17.8
82°	19.2	20.0	21.3	21.7	20.9	20.6	19.7	16.7	15.8	15.8	16.4
82.5°	17.7	18.5	19.7	20.2	19.3	19.1	18.2	15.1	14.3	14.2	14.9
83°	16.1	16.9	18.2	18.7	17.8	17.6	16.7	13.6	12.9	12.8	13.4
83.5°	14.6	15.3	16.7	17.2	16.3	16.1	15.3	12.2	11.4	11.3	12.1
84°	13.1	13.8	15.2	15.7	14.9	14.6	13.8	10.7	10.1	10.0	10.7
84.5°	11.7	12.4	13.8	14.2	13.4	13.2	12.4	9.5	8.7	8.7	9.4
85°	10.2	10.9	12.4	12.8	12.0	11.8	10.9	8.2	7.4	7.4	8.1
85.5°	8.8	9.5	11.0	11.4	10.6	10.4	9.6	6.9	6.1	6.1	6.8
86°	7.4	8.1	9.6	10.0	9.2	9.0	8.3	5.6	4.7	4.8	5.5
86.5°	6.1	6.8	8.3	8.6	7.9	7.7	7.0	4.3	3.6	3.7	4.2
87°	5.0	5.7	7.0	7.3	6.5	6.4	5.7	3.2	2.6	2.7	2.9
87.5°	3.9	4.5	5.7	5.9	5.2	5.0	4.3	2.2	1.7	1.7	1.8
88°	3.2	3.4	4.5	4.6	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	2.4	2.6	1.4	1.3	0.9	0.2	0.1	0.1	0.1
89.5°	0.9	1.0	1.7	1.7	0.5	0.4	0.2	0.1	0.1	0.1	0.1



TEST NUMBER: P640166  
 CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.1	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	0.1	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	0.1	0.1	0.1
108°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
108.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
109°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**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	0.2	0.2	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	0.2	0.2
117.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2
118°	0.3	0.3	0.3	0.3	0.2	0.2	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°	0.3	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	0.3	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	0.3	0.3	0.3	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°	0.4	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	0.4	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	0.4	0.4	0.4	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.6	0.5	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	0.5	0.5	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	0.5	0.5	0.5
137°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	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	0.5
138°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	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	0.6	0.6	0.6
143°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6
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°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145.5°	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
146°	0.7	0.7	0.7	0.6	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	0.7	0.7	0.7
149°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7
149.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7
150°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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	0.8	0.8	0.8
155.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	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	0.8
156.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9
157°	0.7	0.7	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
158°	0.8	0.7	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	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
161°	0.8	0.8	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
161.5°	0.8	0.8	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162°	0.8	0.8	0.7	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	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.8	0.8	0.8	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165.5°	0.8	0.8	0.8	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
166°	0.8	0.8	0.8	0.7	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	0.9	0.9	0.9
168.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
169°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
169.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
171°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
171.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
173°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
173.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
174°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
174.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	0.9	0.9	0.9
175°	0.8	0.8	0.8	0.8	1.0	1.0	0.9	1.0	0.9	0.9	0.9
175.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.9
176°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.9
176.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.9
177°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.9
177.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9
178°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9
178.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9
179°	0.9	0.9	0.9	0.9	1.0	1.0	0.9	1.0	0.9	0.9	0.9
179.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P640166  
CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**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: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1525.4	1525.4	1525.4	1525.4	1525.4	1525.4
0.5°	1525.2	1525.3	1525.5	1525.4	1525.9	1525.6
1°	1524.8	1525.4	1525.5	1525.3	1526.0	1525.5
1.5°	1524.1	1525.1	1525.4	1525.3	1526.1	1525.4
2°	1523.4	1524.6	1525.2	1524.9	1525.8	1525.3
2.5°	1522.3	1523.9	1524.7	1524.3	1525.3	1524.8
3°	1521.3	1523.2	1523.8	1523.6	1524.9	1524.0
3.5°	1520.0	1522.1	1522.8	1522.4	1524.1	1523.3
4°	1518.5	1520.8	1521.6	1521.3	1522.9	1522.1
4.5°	1516.9	1519.1	1520.3	1520.4	1521.8	1521.0
5°	1515.2	1517.7	1518.7	1518.8	1520.4	1519.6
5.5°	1512.8	1516.0	1516.9	1517.1	1518.8	1517.8
6°	1510.6	1514.2	1514.7	1514.8	1517.0	1515.9
6.5°	1508.3	1511.6	1512.5	1512.4	1515.1	1513.7
7°	1505.4	1509.5	1510.4	1510.4	1512.7	1511.6
7.5°	1502.9	1506.7	1507.8	1507.7	1510.5	1509.1
8°	1499.8	1503.8	1505.2	1505.1	1508.0	1506.3
8.5°	1496.5	1500.9	1502.3	1502.3	1505.3	1503.7
9°	1492.9	1497.8	1499.1	1499.0	1502.0	1500.4
9.5°	1489.4	1494.5	1495.8	1495.3	1499.0	1497.1
10°	1485.4	1490.7	1492.1	1492.3	1495.5	1493.7
10.5°	1481.5	1486.9	1488.4	1488.5	1491.8	1490.1
11°	1477.5	1483.1	1484.7	1484.3	1488.0	1486.3
11.5°	1472.9	1478.9	1480.8	1480.3	1484.0	1482.2
12°	1468.3	1474.5	1476.3	1475.8	1479.5	1477.7
12.5°	1463.7	1470.2	1471.7	1471.3	1475.0	1473.0
13°	1458.7	1465.1	1467.0	1466.6	1470.7	1468.5
13.5°	1453.4	1460.4	1462.1	1461.6	1465.7	1463.7
14°	1448.2	1455.2	1457.2	1456.5	1460.6	1458.7
14.5°	1442.6	1450.1	1451.7	1451.1	1455.5	1453.3
15°	1436.7	1444.6	1446.1	1445.4	1450.0	1447.6
15.5°	1430.5	1438.8	1440.5	1439.5	1444.1	1441.8
16°	1424.5	1432.9	1434.5	1433.4	1438.3	1436.0
16.5°	1418.1	1426.9	1428.4	1427.1	1432.1	1429.7
17°	1411.7	1420.7	1422.3	1420.9	1425.7	1423.4
17.5°	1404.9	1414.0	1415.8	1414.7	1419.4	1416.8
18°	1398.1	1407.1	1408.7	1407.6	1412.8	1410.0
18.5°	1391.0	1400.2	1401.8	1400.3	1405.6	1403.1
19°	1383.4	1393.1	1394.7	1393.3	1398.6	1395.8
19.5°	1376.0	1385.9	1387.5	1385.8	1391.5	1388.5
20°	1368.2	1378.5	1379.6	1378.2	1383.9	1380.8
20.5°	1360.4	1370.8	1372.0	1370.1	1376.0	1373.3
21°	1351.9	1362.9	1364.2	1361.9	1368.1	1365.3
21.5°	1343.7	1354.5	1356.0	1353.7	1359.9	1356.9
22°	1335.2	1346.2	1347.4	1345.3	1351.6	1348.4

TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1326.5	1338.0	1339.0	1337.2	1342.8	1339.9
23°	1317.4	1328.9	1330.0	1328.1	1334.0	1331.1
23.5°	1308.6	1320.3	1321.1	1318.9	1325.4	1322.2
24°	1299.4	1311.0	1311.9	1309.4	1316.2	1312.8
24.5°	1290.0	1301.8	1302.5	1300.1	1306.4	1303.4
25°	1279.9	1292.2	1293.0	1290.7	1296.9	1294.0
25.5°	1270.1	1282.7	1283.3	1280.5	1287.0	1284.1
26°	1260.2	1273.1	1273.5	1270.2	1277.2	1273.8
26.5°	1250.1	1262.8	1263.3	1260.1	1267.0	1263.9
27°	1239.4	1252.7	1252.9	1249.6	1256.5	1253.6
27.5°	1228.6	1242.2	1242.7	1238.9	1245.8	1243.1
28°	1217.8	1231.5	1231.6	1227.9	1235.0	1232.4
28.5°	1207.3	1220.6	1220.7	1217.1	1224.1	1221.3
29°	1195.9	1209.5	1209.6	1205.9	1213.1	1210.3
29.5°	1184.4	1198.5	1198.5	1194.4	1201.9	1199.1
30°	1172.9	1187.1	1186.7	1182.8	1190.8	1187.9
30.5°	1161.5	1175.7	1175.1	1170.8	1179.1	1176.3
31°	1149.2	1163.5	1163.2	1158.7	1167.4	1164.3
31.5°	1137.0	1151.5	1151.2	1146.6	1155.5	1152.5
32°	1125.0	1139.4	1139.0	1134.3	1143.3	1140.6
32.5°	1112.7	1127.2	1126.3	1122.0	1130.9	1128.5
33°	1099.7	1114.3	1113.6	1109.4	1118.8	1116.2
33.5°	1087.2	1101.8	1100.8	1096.7	1106.3	1103.6
34°	1074.2	1089.0	1088.2	1083.8	1093.5	1090.9
34.5°	1061.4	1075.7	1074.7	1070.4	1080.8	1078.1
35°	1048.1	1062.6	1061.6	1057.4	1067.5	1065.4
35.5°	1034.8	1049.7	1048.3	1044.2	1054.5	1052.2
36°	1021.9	1036.4	1035.2	1031.0	1041.5	1039.1
36.5°	1008.0	1023.0	1021.8	1017.5	1028.2	1026.2
37°	994.7	1009.1	1008.4	1004.0	1014.8	1013.0
37.5°	980.8	995.8	993.9	990.2	1001.1	999.6
38°	966.7	981.6	980.2	976.3	987.6	986.2
38.5°	951.9	967.1	965.9	962.2	973.6	972.2
39°	937.0	951.9	951.1	947.6	959.9	958.4
39.5°	921.4	936.5	934.9	932.1	946.1	944.9
40°	905.7	920.9	919.3	916.2	931.0	930.8
40.5°	889.7	904.9	903.2	900.2	915.6	916.2
41°	873.5	888.9	886.9	883.9	899.9	900.9
41.5°	857.1	872.0	870.0	867.2	883.9	885.0
42°	840.6	855.5	853.3	850.5	867.0	868.8
42.5°	823.6	838.9	836.8	834.2	850.6	852.5
43°	806.7	822.0	819.5	817.3	834.3	835.8
43.5°	789.8	804.3	802.0	799.8	817.4	819.2
44°	773.1	787.2	785.0	783.0	800.1	802.6
44.5°	756.3	770.1	767.5	766.1	783.7	785.7



TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	738.8	752.8	750.3	749.1	766.9	768.6
45.5°	722.0	735.3	733.2	731.8	749.8	752.3
46°	705.4	718.2	715.8	714.8	732.8	735.2
46.5°	688.7	700.5	698.2	697.9	716.4	718.6
47°	672.0	683.2	681.0	681.0	699.2	701.6
47.5°	655.3	665.4	663.9	663.8	682.4	685.1
48°	638.6	648.7	646.9	647.4	665.9	668.4
48.5°	621.9	631.3	629.6	630.5	649.3	651.8
49°	605.4	614.4	613.3	613.8	632.7	635.3
49.5°	588.7	597.8	596.6	597.5	616.1	619.4
50°	572.2	580.8	579.6	580.9	600.0	603.0
50.5°	555.7	563.9	563.1	564.3	583.7	587.1
51°	539.9	547.6	546.8	548.4	567.7	570.6
51.5°	524.3	531.5	530.6	532.6	551.8	555.2
52°	507.9	515.4	514.7	516.7	535.9	539.4
52.5°	492.0	499.5	498.8	501.2	520.6	524.1
53°	476.5	483.7	483.1	485.7	504.9	508.7
53.5°	461.3	468.2	467.6	470.1	489.7	493.4
54°	446.0	452.9	452.4	454.9	474.4	478.2
54.5°	431.0	438.0	437.5	440.1	459.7	463.5
55°	416.2	423.2	422.5	425.8	445.1	449.0
55.5°	401.6	408.6	407.9	411.2	430.2	434.6
56°	387.3	393.9	393.6	396.4	415.7	419.9
56.5°	373.0	379.6	379.6	382.3	401.9	406.0
57°	358.9	365.4	365.4	368.4	387.8	392.1
57.5°	345.6	351.9	351.6	354.7	373.7	378.1
58°	332.0	338.3	338.1	341.1	360.0	364.3
58.5°	318.9	322.9	322.8	328.4	346.9	351.3
59°	305.5	310.4	310.5	315.6	333.9	338.0
59.5°	292.6	298.2	298.3	302.8	326.6	323.3
60°	280.0	285.9	286.0	290.1	312.6	311.0
60.5°	268.0	273.7	273.7	277.3	298.5	298.9
61°	255.5	261.3	261.7	264.5	284.4	286.7
61.5°	243.8	249.5	249.9	252.7	270.3	274.6
62°	232.1	237.8	238.1	241.2	258.6	263.0
62.5°	220.7	226.3	226.7	229.7	246.8	251.1
63°	209.6	214.9	215.6	218.5	235.2	239.5
63.5°	198.7	204.0	204.7	207.7	223.8	228.2
64°	188.0	193.3	194.1	197.0	213.0	217.2
64.5°	177.7	182.8	183.7	186.7	202.0	206.2
65°	167.4	172.6	173.6	176.5	191.5	195.7
65.5°	157.9	162.7	163.7	166.7	181.3	185.3
66°	148.3	153.0	154.1	157.0	171.2	175.1
66.5°	139.1	143.7	144.6	147.7	161.3	165.1
67°	130.3	134.5	135.7	138.8	152.0	155.5



TEST NUMBER: P640166  
 CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	121.6	125.9	127.1	130.1	142.6	146.2
68°	113.4	117.4	118.8	121.6	133.7	137.0
68.5°	105.7	109.4	110.8	113.5	125.1	128.2
69°	98.1	101.6	102.9	105.5	116.9	119.5
69.5°	90.9	94.3	95.5	98.0	108.8	110.9
70°	84.7	87.2	88.6	91.2	101.0	103.0
70.5°	78.6	80.9	82.1	84.4	93.8	95.1
71°	72.4	74.8	75.9	77.9	86.8	87.7
71.5°	66.3	69.1	70.2	72.0	80.2	80.5
72°	61.2	63.9	64.8	66.6	73.9	74.1
72.5°	56.6	59.2	59.9	61.4	68.0	68.0
73°	52.4	54.8	55.4	56.6	62.6	62.4
73.5°	48.6	50.8	51.4	52.3	57.6	57.3
74°	45.0	47.1	47.6	48.5	53.0	52.8
74.5°	42.1	43.9	44.3	45.0	49.0	48.7
75°	40.0	41.4	41.7	42.0	45.3	44.9
75.5°	38.1	39.4	39.6	39.9	42.1	42.1
76°	36.3	37.5	37.7	38.0	39.5	40.2
76.5°	34.5	35.6	35.8	36.1	37.6	37.9
77°	32.6	33.8	34.1	34.3	35.8	36.1
77.5°	30.9	32.1	32.7	32.6	34.0	34.3
78°	29.2	30.4	30.9	30.8	32.7	32.6
78.5°	27.5	28.7	29.1	29.1	30.9	30.9
79°	25.8	27.0	27.3	27.4	29.1	29.2
79.5°	24.2	25.3	25.5	25.6	27.3	27.5
80°	22.6	23.6	23.8	24.0	25.4	25.8
80.5°	21.0	22.1	22.3	22.4	23.7	24.1
81°	19.5	20.5	20.7	20.8	22.1	22.5
81.5°	18.0	18.9	19.1	19.3	20.5	20.8
82°	16.5	17.4	17.6	17.8	18.9	19.2
82.5°	15.0	16.0	16.2	16.3	17.3	17.7
83°	13.6	14.5	14.7	14.8	15.8	16.1
83.5°	12.2	13.0	13.2	13.3	14.3	14.6
84°	10.8	11.6	11.8	11.9	12.8	13.1
84.5°	9.5	10.2	10.4	10.5	11.3	11.7
85°	8.1	8.9	9.1	9.2	9.9	10.2
85.5°	6.8	7.5	7.7	7.8	8.5	8.8
86°	5.5	6.2	6.4	6.5	7.2	7.4
86.5°	4.1	4.9	5.1	5.2	6.0	6.1
87°	2.9	3.6	3.8	4.0	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	1.6	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: P640166  
 CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.1	0.1	0.1	0.4	0.1	0.1
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	0.1	0.1	0.1	0.1	0.1
100.5°	0.1	0.2	0.1	0.1	0.1	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	0.2



TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.2	0.3	0.2	0.3	0.2	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	0.3
121°	0.3	0.3	0.3	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	0.4
128°	0.4	0.4	0.4	0.4	0.4	0.5
128.5°	0.4	0.5	0.4	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	0.5



TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**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	0.5	0.6
136°	0.5	0.5	0.5	0.5	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°	0.5	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	0.6
145°	0.7	0.6	0.6	0.6	0.6	0.7
145.5°	0.7	0.6	0.6	0.6	0.6	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°	0.7	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°	0.8	0.7	0.7	0.7	0.7	0.7
156.5°	0.9	0.7	0.7	0.7	0.7	0.7
157°	0.9	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P640166

CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.9	0.7	0.7	0.7	0.7	0.7
158°	0.9	0.7	0.7	0.7	0.7	0.8
158.5°	0.9	0.7	0.7	0.7	0.7	0.8
159°	0.9	0.7	0.7	0.7	0.7	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	0.7	0.8	0.8
161°	0.9	0.7	0.7	0.7	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	0.7	0.8	0.8	0.8
164°	0.9	0.7	0.7	0.8	0.8	0.8
164.5°	0.9	0.7	0.7	0.8	0.8	0.8
165°	0.9	0.7	0.7	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	0.7	0.8	0.8	0.8	0.8
167°	0.9	0.7	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	0.8	0.8	0.8	0.8
176°	0.9	0.8	0.9	0.9	0.8	0.8
176.5°	0.9	0.9	0.9	0.9	0.9	0.8
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: P640166  
CATALOG NUMBER: LCR630RD9FSE040-42W-6500K

**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)