Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P640230

Luminaire Tested: LCR850RD9FSE010-50W-4000K

Issue Date: 2/13/2023

Report Generated By 670265710 / DESKTOP-98SHLC4

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P640230
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2208047D001)
Test Lab:	INNOVATION CENTER
Issue Date:	2/13/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	HALO
Catalog Number:	LCR850RD9FSE010-50W-4000K
Description:	LCR 8
Light Source:	4000K CCT, 93 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5175.0 lumens
Efficiency:	N/A
Efficacy:	103.1 lumens/watt
Spacing Criteria (0/90/45):	1.17 / 1.17 / 1.26
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct
Input Watts (W):	50.2
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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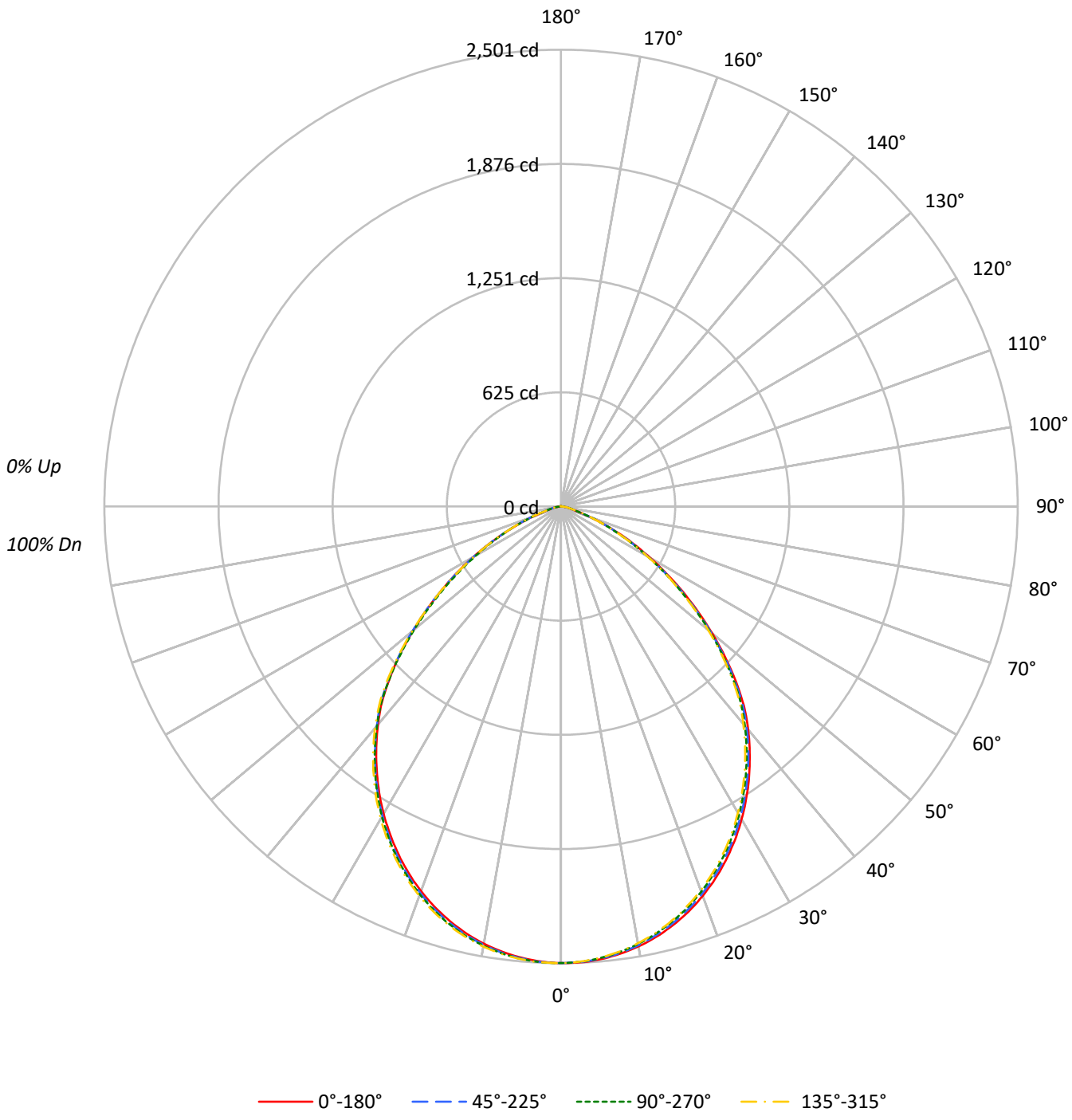
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	93	92	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67
4	88	77	69	64	85	76	69	63	73	67	62	71	66	61	69	64	61	59
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	56	49	44	54	48	43	53	47	43	41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	35	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	36	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	77100	77100	77100	77100
5°	77029	76828	76779	76992
10°	76595	76160	76113	76476
15°	75746	75124	75041	75568
20°	74481	73670	73539	74169
25°	72699	71770	71590	72243
30°	70434	69405	69173	69825
35°	67624	66529	66250	66807
40°	64193	63038	62760	63086
45°	59047	58035	57765	57791
50°	51820	50842	50736	50333
55°	43740	42590	42805	41993
60°	35036	33815	34290	33260
65°	25552	24669	24713	24392
70°	15354	15616	14948	15534
75°	8126	8936	8054	8757
80°	6748	7352	6677	7387
85°	4812	6156	4776	6156

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 59047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.7	4.6
10°-20°	665.0	12.9
20°-30°	974.4	18.8
30°-40°	1107.8	21.4
40°-50°	1023.3	19.8
50°-60°	712.8	13.8
60°-70°	343.2	6.6
70°-80°	89.9	1.7
80°-90°	18.8	0.4
90°-100°	0.2	0.0
100°-110°	0.3	0.0
110°-120°	0.4	0.0
120°-130°	0.6	0.0
130°-140°	0.7	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1875.0	36.2
0°-40°	2982.8	57.6
0°-60°	4718.9	91.2
0°-90°	5170.9	99.9
90°-120°	1.0	0.0
90°-150°	3.0	0.1
90°-180°	4.0	0.1
0°-180°	5175.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2500	2500	2500	2500	2500	
5°	2488	2482	2480	2487	2488	236
15°	2373	2353	2351	2367	2373	668
25°	2137	2109	2104	2123	2137	983
35°	1796	1767	1760	1775	1796	1121
45°	1354	1331	1325	1325	1354	1039
55°	814	792	796	781	814	728
65°	350	338	339	334	350	351
75°	68	75	68	74	68	86
85°	14	17	14	17	14	16
90°	0	0	0	1	0	1
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	1
125°	1	1	1	1	1	1
135°	1	1	1	1	1	1
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	2	2	1	1	0
175°	1	2	2	1	1	0
180°	2	2	2	2	2	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2500.3	2500.3	2500.3	2500.3	2500.3	2500.3	2500.3	2500.3	2500.3	2500.3	2500.3
0.5°	*2500.4*	*2500.4*	*2500.3*	*2500.0*	*2499.9*	*2499.7*	*2499.7*	*2499.6*	*2499.5*	*2500.0*	*2499.7*
1°	2500.1	2500.5	2499.6	2499.1	2499.3	2498.5	2498.7	2498.7	2498.6	2499.2	2499.3
1.5°	2499.9	2499.5	2498.7	2498.3	2498.1	2497.1	2497.4	2497.4	2497.7	2498.4	2498.8
2°	2499.1	2498.9	2497.6	2496.9	2496.6	2496.0	2496.0	2496.0	2496.2	2497.0	2497.5
2.5°	2498.4	2497.7	2496.5	2495.4	2495.2	2493.9	2494.0	2494.1	2494.1	2495.1	2496.2
3°	2497.2	2496.3	2494.8	2493.6	2493.1	2491.6	2491.8	2491.7	2492.2	2493.1	2494.6
3.5°	2495.6	2494.3	2492.9	2491.4	2490.9	2489.4	2488.9	2489.3	2489.8	2491.1	2492.3
4°	2493.4	2492.2	2490.6	2489.1	2488.2	2486.6	2486.2	2486.6	2487.1	2488.7	2489.9
4.5°	2491.1	2490.0	2488.2	2486.4	2485.1	2483.6	2483.3	2483.5	2483.8	2485.6	2487.2
5°	2488.5	2487.1	2485.2	2483.3	2482.0	2480.1	2479.8	2480.1	2480.4	2482.7	2484.4
5.5°	2485.7	2484.1	2482.0	2479.6	2478.1	2476.4	2476.2	2476.2	2476.9	2479.2	2481.2
6°	2482.4	2480.8	2478.1	2475.7	2474.1	2472.6	2472.0	2472.0	2473.0	2475.3	2477.3
6.5°	2478.9	2477.2	2474.6	2471.7	2470.3	2468.1	2467.6	2467.6	2468.8	2471.6	2473.6
7°	2475.2	2473.0	2470.7	2467.1	2465.8	2463.7	2463.0	2462.7	2464.3	2467.3	2469.3
7.5°	2471.1	2469.0	2466.2	2462.4	2461.1	2458.3	2457.9	2457.9	2459.5	2462.2	2464.7
8°	2466.9	2464.3	2461.5	2457.7	2455.9	2453.5	2452.6	2452.9	2454.2	2457.3	2459.9
8.5°	2461.8	2459.5	2456.5	2452.1	2450.6	2447.8	2447.2	2447.4	2449.0	2451.8	2454.9
9°	2456.9	2454.4	2451.1	2446.2	2444.8	2442.1	2441.0	2441.7	2443.1	2446.3	2449.7
9.5°	2451.7	2448.9	2444.9	2440.5	2438.6	2436.2	2435.0	2435.4	2437.1	2440.3	2443.7
10°	2446.2	2443.1	2439.3	2434.3	2432.3	2429.8	2428.4	2429.2	2430.8	2434.0	2437.4
10.5°	2440.0	2436.9	2432.9	2428.1	2425.9	2423.0	2421.3	2422.3	2424.1	2427.6	2430.9
11°	2433.9	2430.7	2426.4	2421.3	2419.2	2416.0	2414.3	2415.3	2417.2	2420.7	2424.4
11.5°	2427.4	2423.8	2419.4	2414.4	2411.8	2408.7	2407.1	2407.7	2410.3	2413.3	2417.6
12°	2420.5	2417.1	2412.3	2407.1	2404.0	2400.9	2399.6	2399.9	2402.4	2405.9	2410.3
12.5°	2413.3	2409.7	2404.7	2399.2	2396.7	2393.2	2391.4	2392.3	2394.3	2398.2	2402.7
13°	2406.0	2402.1	2396.9	2391.6	2388.3	2384.8	2383.5	2384.0	2386.3	2390.3	2394.8
13.5°	2398.0	2394.2	2388.9	2383.1	2380.4	2376.1	2374.8	2375.4	2377.8	2382.2	2386.5
14°	2389.9	2386.0	2380.4	2374.2	2371.3	2367.3	2366.0	2366.4	2369.0	2373.5	2377.9
14.5°	2381.5	2377.6	2371.9	2365.4	2362.5	2358.6	2356.7	2357.2	2360.0	2364.3	2368.9
15°	2372.7	2369.0	2363.0	2356.2	2353.2	2348.9	2347.2	2348.1	2350.6	2354.9	2359.7
15.5°	2363.6	2360.1	2353.5	2346.9	2343.9	2339.2	2337.5	2337.7	2340.7	2345.6	2350.5
16°	2354.3	2350.6	2344.0	2336.9	2333.6	2329.3	2327.2	2327.3	2330.9	2335.7	2341.0
16.5°	2344.8	2341.0	2333.8	2327.1	2323.5	2319.4	2317.2	2317.5	2320.4	2325.4	2330.8
17°	2335.1	2330.6	2324.1	2317.0	2313.2	2308.5	2305.8	2306.8	2310.0	2315.2	2320.6
17.5°	2324.8	2320.6	2313.5	2306.4	2302.4	2297.8	2294.9	2296.0	2299.3	2304.4	2310.3
18°	2314.5	2309.9	2303.0	2295.7	2291.8	2286.4	2283.7	2284.7	2288.3	2293.6	2299.1
18.5°	2303.4	2298.6	2291.6	2284.0	2280.1	2275.0	2272.8	2273.3	2276.8	2282.3	2288.1
19°	2292.3	2287.3	2280.8	2272.9	2268.6	2263.5	2261.0	2261.7	2264.9	2270.8	2276.6
19.5°	2280.8	2276.0	2269.1	2261.2	2257.2	2251.9	2248.8	2249.5	2253.1	2258.7	2264.7
20°	2269.7	2264.5	2257.4	2249.2	2245.0	2239.5	2236.8	2237.1	2241.0	2246.9	2252.6
20.5°	2257.1	2252.1	2244.8	2236.5	2232.5	2226.9	2224.3	2224.6	2228.4	2234.2	2240.2
21°	2244.7	2240.0	2232.4	2223.9	2219.8	2214.1	2211.3	2211.8	2215.6	2221.6	2227.4
21.5°	2232.0	2227.4	2219.7	2211.1	2207.1	2201.1	2198.2	2198.4	2203.0	2208.8	2214.7
22°	2219.6	2214.7	2206.9	2197.8	2193.5	2188.0	2185.1	2185.1	2189.3	2195.4	2201.5

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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°	2206.3	2201.1	2193.7	2184.7	2180.0	2174.4	2171.5	2171.6	2175.9	2182.2	2188.2
23°	2192.9	2187.9	2180.4	2171.3	2166.5	2160.4	2157.4	2157.9	2162.2	2168.4	2174.3
23.5°	2179.4	2174.3	2166.4	2157.3	2152.7	2146.4	2143.3	2143.8	2148.0	2154.3	2160.4
24°	2165.4	2159.9	2152.4	2143.2	2138.3	2132.2	2128.9	2129.3	2133.3	2140.3	2146.3
24.5°	2151.0	2145.8	2137.8	2128.6	2124.1	2117.6	2114.2	2114.5	2119.1	2125.3	2131.6
25°	2136.7	2131.5	2123.5	2113.8	2109.4	2102.6	2099.1	2099.6	2104.1	2110.6	2117.0
25.5°	2122.2	2117.0	2108.4	2099.4	2094.4	2088.0	2084.3	2085.1	2088.9	2095.7	2101.7
26°	2107.1	2101.9	2093.6	2084.1	2079.0	2072.6	2068.7	2069.4	2073.4	2080.3	2086.5
26.5°	2091.5	2086.4	2078.4	2068.8	2063.9	2057.0	2053.1	2053.3	2057.9	2064.8	2070.9
27°	2076.2	2071.0	2063.3	2053.0	2048.1	2041.1	2037.2	2037.5	2041.9	2048.9	2055.3
27.5°	2060.5	2055.2	2047.1	2036.7	2032.2	2025.4	2021.3	2021.9	2026.0	2032.9	2039.4
28°	2044.6	2038.8	2030.5	2021.0	2015.9	2009.0	2004.4	2005.2	2009.5	2016.5	2022.7
28.5°	2027.9	2022.8	2014.4	2004.3	1999.7	1992.5	1988.4	1988.8	1993.2	2000.3	2006.2
29°	2011.6	2006.7	1998.2	1987.9	1983.0	1975.7	1971.5	1972.1	1976.8	1983.7	1989.6
29.5°	1994.9	1989.7	1981.7	1971.0	1966.2	1958.7	1954.6	1955.0	1959.8	1966.5	1972.7
30°	1978.1	1972.6	1964.8	1954.0	1949.2	1941.7	1937.4	1937.7	1942.7	1949.6	1955.4
30.5°	1960.5	1955.4	1947.5	1937.2	1931.9	1924.4	1919.8	1920.6	1925.2	1932.3	1937.8
31°	1943.3	1938.4	1930.0	1919.5	1914.2	1907.1	1902.2	1902.9	1907.7	1914.6	1920.4
31.5°	1925.7	1920.5	1912.1	1901.9	1896.6	1889.3	1884.6	1885.1	1889.9	1896.3	1902.6
32°	1908.3	1902.6	1894.5	1884.0	1879.0	1871.1	1866.2	1866.7	1872.0	1878.6	1884.4
32.5°	1890.0	1884.5	1876.8	1865.7	1861.1	1853.6	1848.5	1849.2	1854.1	1860.8	1866.7
33°	1871.6	1866.7	1858.0	1847.7	1842.8	1834.9	1829.6	1830.3	1835.3	1842.0	1847.9
33.5°	1853.3	1847.8	1839.6	1829.2	1824.2	1816.2	1811.0	1812.0	1816.9	1823.5	1829.3
34°	1834.9	1829.6	1821.2	1810.6	1805.3	1797.3	1792.6	1793.1	1798.1	1804.5	1810.6
34.5°	1815.7	1810.0	1802.3	1791.5	1786.3	1778.5	1773.5	1774.3	1779.0	1785.9	1791.5
35°	1796.4	1791.5	1783.1	1771.7	1767.3	1759.3	1754.4	1755.0	1759.9	1766.5	1772.2
35.5°	1777.1	1772.5	1764.2	1753.3	1747.8	1739.9	1734.7	1735.6	1740.9	1747.6	1752.6
36°	1757.7	1752.4	1744.4	1733.7	1728.3	1720.7	1715.4	1716.0	1721.1	1727.9	1732.9
36.5°	1738.0	1733.0	1724.7	1713.7	1708.9	1701.0	1696.1	1696.6	1701.6	1708.3	1713.6
37°	1718.3	1712.9	1704.0	1694.1	1688.8	1681.1	1675.6	1676.1	1681.5	1688.2	1693.2
37.5°	1698.2	1692.9	1684.6	1673.7	1668.7	1661.0	1655.5	1656.3	1661.5	1668.2	1672.4
38°	1677.4	1672.3	1664.1	1653.6	1648.6	1641.0	1635.5	1636.0	1641.2	1647.5	1652.5
38.5°	1657.0	1652.3	1643.5	1633.3	1628.0	1620.1	1615.2	1615.9	1620.8	1627.2	1632.3
39°	1636.6	1631.5	1622.9	1612.3	1607.7	1599.8	1594.7	1595.3	1600.3	1606.6	1611.1
39.5°	1615.8	1610.4	1602.5	1591.8	1587.0	1578.9	1574.4	1575.0	1579.8	1585.9	1590.4
40°	1594.7	1589.5	1581.2	1570.3	1566.0	1558.5	1553.5	1554.2	1559.1	1565.0	1569.2
40.5°	1573.2	1568.1	1560.5	1549.7	1544.8	1537.4	1533.0	1533.4	1538.2	1544.1	1548.3
41°	1551.9	1546.9	1539.0	1528.0	1523.9	1516.6	1511.9	1512.2	1517.1	1523.1	1526.8
41.5°	1530.3	1525.1	1517.3	1506.2	1502.6	1494.8	1490.5	1490.8	1495.8	1501.4	1505.3
42°	1507.1	1502.5	1494.4	1483.9	1479.8	1472.6	1468.7	1469.2	1473.9	1479.2	1483.1
42.5°	1483.7	1478.8	1471.0	1460.2	1456.7	1449.5	1445.6	1446.3	1450.8	1456.1	1460.2
43°	1458.2	1453.6	1446.6	1435.3	1432.9	1425.8	1422.0	1422.7	1426.5	1432.2	1436.2
43.5°	1432.8	1428.4	1420.8	1410.7	1407.4	1401.2	1397.4	1397.9	1401.6	1407.0	1410.8
44°	1406.5	1402.2	1395.0	1384.7	1382.4	1375.8	1372.3	1372.2	1376.6	1381.5	1385.0
44.5°	1381.1	1375.9	1369.2	1359.0	1356.5	1350.3	1346.9	1346.8	1350.8	1355.6	1359.2

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1354.0	1349.6	1342.8	1332.1	1330.8	1324.5	1320.8	1321.1	1324.6	1330.1	1333.8
45.5°	1327.3	1323.1	1315.6	1306.3	1304.3	1298.6	1294.3	1294.9	1298.5	1303.5	1306.2
46°	1300.3	1295.7	1288.8	1279.7	1277.6	1272.0	1267.9	1268.8	1272.3	1277.1	1279.5
46.5°	1272.8	1268.5	1261.8	1251.9	1251.1	1245.1	1241.4	1242.2	1245.9	1250.4	1253.0
47°	1245.2	1241.0	1234.5	1224.8	1223.9	1218.4	1214.6	1215.1	1219.2	1223.2	1225.9
47.5°	1217.8	1213.9	1207.3	1197.8	1196.4	1190.8	1187.1	1188.1	1191.9	1196.3	1198.1
48°	1190.4	1186.4	1179.2	1170.3	1169.4	1164.1	1160.3	1161.6	1165.3	1169.8	1170.6
48.5°	1162.9	1158.7	1151.9	1142.1	1142.0	1136.9	1133.3	1134.7	1138.5	1142.1	1143.9
49°	1135.8	1131.1	1124.5	1114.8	1114.6	1109.5	1106.5	1107.4	1111.7	1115.2	1117.2
49.5°	1108.3	1103.7	1097.3	1087.6	1087.9	1081.9	1079.3	1080.4	1085.0	1088.0	1089.2
50°	1080.2	1075.9	1069.4	1060.2	1059.8	1054.9	1051.9	1053.8	1057.6	1061.2	1062.1
50.5°	1053.0	1048.7	1041.4	1032.2	1032.2	1027.9	1025.2	1026.8	1031.4	1034.1	1034.3
51°	1025.7	1021.4	1014.4	1004.7	1005.3	1000.4	998.6	1000.0	1004.1	1007.3	1008.0
51.5°	999.0	993.8	987.5	977.8	978.2	973.7	971.5	973.6	977.9	980.4	981.0
52°	972.1	967.1	960.3	950.7	951.8	947.0	945.2	947.3	951.6	954.1	954.3
52.5°	944.9	940.4	933.1	923.9	924.1	920.4	918.1	920.7	924.7	927.6	927.2
53°	918.5	913.7	906.3	897.2	897.2	893.1	892.3	894.5	899.1	901.4	900.6
53.5°	891.8	887.1	879.6	870.0	871.0	866.5	865.6	868.6	872.5	875.3	874.2
54°	865.2	860.1	853.1	843.1	844.4	840.9	839.5	842.8	847.1	849.1	848.2
54.5°	839.6	834.5	826.7	817.6	818.3	814.9	813.4	816.6	821.0	823.1	822.3
55°	813.6	808.4	800.8	791.7	792.2	789.6	788.5	791.5	796.2	798.2	796.0
55.5°	787.3	782.7	774.9	765.6	766.4	763.3	762.9	766.6	770.5	772.7	770.8
56°	762.2	757.0	749.2	739.8	741.7	738.8	738.5	742.2	746.3	748.3	746.4
56.5°	737.0	731.7	723.4	714.5	717.0	714.3	714.2	718.0	722.1	724.0	722.0
57°	711.8	706.7	698.4	689.4	692.4	689.8	690.0	693.7	697.9	699.7	697.5
57.5°	687.4	682.0	673.9	664.2	667.7	665.2	665.7	669.4	673.7	675.4	673.1
58°	662.7	658.2	649.6	640.4	643.1	640.7	641.4	645.1	649.5	651.1	648.7
58.5°	638.7	633.4	625.2	616.0	619.1	616.8	617.2	621.3	625.8	627.4	624.3
59°	614.8	609.8	601.2	592.1	595.3	592.9	593.6	597.4	602.2	603.5	600.5
59.5°	591.3	586.1	578.0	568.2	572.0	569.4	570.1	574.6	578.8	580.5	577.0
60°	568.1	563.1	554.5	545.7	548.3	546.4	546.6	551.3	556.0	557.2	553.9
60.5°	544.9	539.8	531.4	522.3	525.9	524.0	524.3	528.9	533.1	534.7	530.7
61°	522.4	517.7	508.8	500.3	503.7	501.7	502.1	506.3	511.1	512.4	508.4
61.5°	500.1	495.2	487.0	478.2	481.8	479.5	480.2	484.7	489.1	490.1	486.1
62°	478.8	473.8	465.1	456.7	460.2	457.9	458.8	462.9	467.6	469.1	464.6
62.5°	456.7	451.7	443.3	434.7	438.6	436.9	437.1	442.1	446.1	447.3	443.2
63°	435.4	431.2	422.3	414.3	417.4	415.7	416.2	420.6	423.8	426.1	421.7
63.5°	413.8	410.0	401.5	393.9	397.0	395.4	395.7	400.2	401.9	405.3	401.7
64°	392.3	389.9	381.4	373.6	377.1	375.1	375.8	379.8	380.6	384.7	381.2
64.5°	370.6	368.9	361.7	353.5	357.5	356.0	356.1	360.5	359.4	364.3	361.4
65°	350.2	349.9	342.2	334.6	338.1	336.7	336.8	341.0	338.7	344.5	342.4
65.5°	331.6	328.2	323.9	316.7	319.4	318.0	318.1	321.7	317.9	324.9	323.5
66°	311.4	309.7	305.6	298.8	301.2	299.8	299.9	302.3	298.3	305.6	304.7
66.5°	291.2	291.2	287.2	281.0	283.7	282.1	282.1	284.1	279.5	286.4	287.0
67°	271.1	272.7	268.9	263.1	266.2	264.5	264.8	265.5	261.6	268.2	269.4

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	251.0	254.2	250.6	245.2	249.1	248.1	247.8	248.2	244.2	250.7	252.6
68°	233.8	237.1	234.7	229.1	232.9	231.8	231.7	231.0	227.4	233.9	235.9
68.5°	217.0	220.4	218.8	213.5	217.5	216.4	216.1	214.7	211.2	217.5	220.1
69°	200.9	204.0	203.4	198.4	202.2	200.9	201.0	199.0	195.5	201.8	204.8
69.5°	185.1	188.8	188.3	183.8	187.4	186.5	186.4	184.1	180.4	186.8	190.1
70°	170.3	174.3	174.7	170.2	173.2	172.6	172.2	170.1	165.8	172.6	175.8
70.5°	156.2	160.4	160.9	157.0	160.1	159.2	159.3	156.9	152.7	159.1	162.6
71°	142.9	147.2	148.1	144.2	147.3	146.8	146.7	144.1	139.6	146.1	149.6
71.5°	130.2	134.6	135.5	132.6	135.3	134.9	134.7	132.2	127.3	134.2	137.5
72°	118.0	122.9	124.6	121.5	124.1	123.4	123.3	121.1	115.7	122.6	126.1
72.5°	106.2	112.1	113.9	111.3	113.6	113.1	113.2	110.7	104.9	112.0	115.3
73°	96.0	102.1	103.8	101.7	103.7	103.5	103.2	101.0	94.5	102.2	105.3
73.5°	86.8	93.3	94.5	93.0	95.2	94.7	94.5	93.9	87.8	93.3	96.3
74°	79.4	85.3	86.7	85.1	88.4	87.9	87.6	86.8	81.0	86.6	89.9
74.5°	73.6	78.1	79.4	78.1	81.7	81.2	80.8	79.7	74.3	80.0	83.5
75°	68.2	71.8	73.0	72.2	75.0	74.5	74.0	72.6	67.6	73.3	77.1
75.5°	64.4	66.4	67.5	67.0	68.3	67.8	67.3	65.6	63.9	66.7	70.7
76°	61.2	62.1	63.4	63.1	64.1	63.8	63.2	61.5	60.6	62.3	64.4
76.5°	58.1	58.8	60.3	60.1	61.0	60.8	60.2	58.4	57.6	59.1	61.2
77°	55.1	55.8	57.3	57.1	58.1	57.8	57.1	55.2	54.5	56.0	58.2
77.5°	52.1	52.8	54.4	54.3	55.1	54.9	54.3	52.3	51.7	53.1	55.3
78°	49.2	49.8	51.4	51.5	52.3	52.1	51.4	49.4	48.7	50.0	52.3
78.5°	46.3	46.9	48.6	48.7	49.5	49.3	48.6	46.5	45.8	47.2	49.5
79°	43.5	44.1	45.9	46.0	46.8	46.6	45.9	43.7	43.1	44.3	46.7
79.5°	40.8	41.2	43.1	43.3	44.1	43.9	43.2	41.0	40.4	41.6	44.0
80°	38.0	38.4	40.4	40.7	41.4	41.3	40.5	38.3	37.6	38.8	41.3
80.5°	35.4	35.9	37.8	38.2	38.9	38.7	37.9	35.7	35.0	36.2	38.7
81°	33.3	33.2	35.1	35.6	36.4	36.2	35.4	33.1	32.5	33.5	36.1
81.5°	30.7	30.7	32.7	32.9	33.9	33.7	32.8	30.5	30.0	31.0	33.5
82°	28.1	28.2	30.3	30.6	31.4	31.2	30.3	28.0	27.4	28.4	31.0
82.5°	25.5	25.7	27.9	28.2	29.0	28.8	27.9	25.5	25.0	25.9	28.6
83°	22.8	23.2	25.5	25.9	26.7	26.5	25.5	23.1	22.6	23.5	26.2
83.5°	20.5	20.8	23.0	23.6	24.2	24.1	23.2	20.8	20.3	21.1	23.8
84°	18.1	18.4	20.8	21.3	22.0	21.8	20.8	18.5	18.0	18.8	21.5
84.5°	15.8	16.1	18.6	19.1	19.7	19.6	18.7	16.3	15.7	16.5	19.3
85°	13.6	13.9	16.4	16.9	17.4	17.4	16.5	14.2	13.5	14.4	17.1
85.5°	11.5	12.2	14.4	14.7	15.3	15.2	14.3	12.2	11.6	12.6	15.0
86°	9.7	10.2	12.3	12.6	13.2	13.1	12.3	10.5	10.0	10.9	12.9
86.5°	8.0	8.5	10.3	10.5	11.1	11.0	10.4	8.8	8.3	9.2	11.0
87°	6.4	6.9	8.4	8.4	9.1	9.0	8.5	7.2	6.7	7.5	9.0
87.5°	5.1	5.4	6.4	6.4	7.1	7.0	6.6	5.5	5.1	5.8	7.1
88°	3.7	3.9	4.5	4.4	5.1	5.0	4.7	3.8	3.5	4.1	5.1
88.5°	2.8	3.0	2.7	3.5	3.0	3.0	2.8	2.3	2.1	2.5	3.1
89°	2.0	2.1	2.1	2.7	1.2	1.2	1.1	1.0	0.9	1.1	1.4
89.5°	1.1	1.2	1.5	1.9	0.2	0.3	0.3	0.4	0.3	0.3	0.3

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.3	0.3	0.9	1.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2
90.5°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
91°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
91.5°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
92°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
92.5°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
93°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
93.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
94°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
94.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
95°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
95.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
97°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
97.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
98.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
99°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
99.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
100°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
100.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
101°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
101.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
102°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
102.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
103°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
103.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2
104°	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2
104.5°	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2
105°	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2
105.5°	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2
106°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2
106.5°	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2
107°	0.4	0.4	0.4	0.4	0.3	0.2	0.3	0.3	0.3	0.3	0.3
107.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
108°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
108.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
109°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
109.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
110°	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
110.5°	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
111°	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
111.5°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
112°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3
113°	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.3
113.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.4
114°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
114.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
115°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
115.5°	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
116°	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
116.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4
117°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4
117.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4
118°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4
118.5°	0.6	0.6	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.5	0.5
119°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
119.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
120°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
120.5°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
121°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.5
121.5°	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.5
122°	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.5
122.5°	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6
123°	0.7	0.7	0.7	0.7	0.6	0.5	0.6	0.6	0.6	0.6	0.6
123.5°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
124°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
124.5°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
125°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.6
125.5°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.6
126°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.6
126.5°	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.6
127°	0.8	0.8	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7
127.5°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.7	0.7
128°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.7	0.7
128.5°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.7
129°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.7
129.5°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.7
130°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.7
130.5°	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.7
131°	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8
131.5°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8
132°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8
132.5°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8
133°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8
133.5°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8
134°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8
134.5°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	1.0	0.9	0.9
135.5°	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9
136°	1.0	1.0	0.9	1.0	0.9	0.9	0.9	0.9	1.0	0.9	0.9
136.5°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9
137°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9
137.5°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	0.9
138°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	0.9
138.5°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	0.9
139°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.1	1.0	1.0
139.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
140.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
141°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
141.5°	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
142°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.0
142.5°	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.1	1.1
143°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
143.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
144°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
144.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1
146°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
146.5°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147°	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
148°	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
148.5°	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
149°	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
149.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3
150.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3
151°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
151.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
153°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
153.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.3	1.3
154°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.3
154.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4
155°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
155.5°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
156°	1.3	1.3	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
156.5°	1.3	1.3	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
157°	1.3	1.3	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.3	1.3	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
158°	1.3	1.3	1.2	1.2	1.4	1.4	1.4	1.4	1.5	1.4	1.4
158.5°	1.3	1.3	1.2	1.2	1.4	1.4	1.4	1.5	1.5	1.5	1.4
159°	1.3	1.3	1.2	1.2	1.4	1.4	1.4	1.5	1.5	1.5	1.5
159.5°	1.3	1.3	1.2	1.2	1.4	1.4	1.5	1.5	1.5	1.5	1.5
160°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
161°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
161.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
162°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
162.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
163°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
163.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
164°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
164.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
166°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
166.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
168°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
168.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
169°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
169.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
170°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
170.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
171°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
171.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
172°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
172.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
173°	1.4	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
173.5°	1.4	1.4	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
174°	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
174.5°	1.4	1.4	1.4	1.4	1.5	1.6	1.5	1.5	1.5	1.5	1.5
175°	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6	1.5	1.5
175.5°	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.5
176°	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.5
176.5°	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.5
177°	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.5
177.5°	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.5
178°	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5
178.5°	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5
179°	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5
179.5°	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.5	1.5	1.5

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2500.3	2500.3	2500.3	2500.3	*2500.3*	2500.3
0.5°	*2500.3*	*2500.4*	*2500.5*	*2500.6*	*2500.8*	*2500.4*
1°	2500.3	2500.3	2500.5	2500.4	*2500.7*	2500.1
1.5°	2499.4	2499.7	2499.8	2500.1	*2500.5*	2499.9
2°	2498.6	2498.9	2499.3	2499.4	*2499.3*	2499.1
2.5°	2497.2	2498.0	2498.2	2498.7	*2498.7*	2498.4
3°	2496.0	2496.2	2497.1	2497.4	*2497.4*	2497.2
3.5°	2493.9	2494.6	2495.4	2495.8	*2496.1*	2495.6
4°	2491.5	2492.2	2493.5	2493.6	*2494.4*	2493.4
4.5°	2489.3	2490.0	2491.2	2491.6	*2491.9*	2491.1
5°	2486.5	2487.3	2488.6	2489.2	*2489.7*	2488.5
5.5°	2483.4	2484.3	2485.6	2486.5	*2486.9*	2485.7
6°	2479.9	2480.9	2482.7	2483.5	*2483.5*	2482.4
6.5°	2476.3	2477.4	2479.2	2480.3	*2480.1*	2478.9
7°	2472.3	2473.2	2475.3	2476.4	*2476.4*	2475.2
7.5°	2467.6	2468.9	2471.0	2472.4	*2472.2*	2471.1
8°	2462.9	2464.1	2466.7	2468.0	*2468.0*	2466.9
8.5°	2457.9	2459.1	2461.3	2463.0	*2463.4*	2461.8
9°	2452.6	2453.8	2456.7	2458.1	*2458.6*	2456.9
9.5°	2447.3	2448.2	2451.1	2452.9	*2453.1*	2451.7
10°	2441.5	2442.4	2445.3	2447.2	*2447.7*	2446.2
10.5°	2435.3	2436.3	2439.3	2441.8	*2441.9*	2440.0
11°	2428.6	2429.9	2433.1	2435.2	*2435.4*	2433.9
11.5°	2421.7	2423.1	2426.2	2428.4	*2428.7*	2427.4
12°	2414.5	2415.9	2419.2	2421.6	*2421.8*	2420.5
12.5°	2407.2	2408.5	2411.9	2414.4	*2414.6*	2413.3
13°	2399.1	2400.7	2404.6	2406.7	*2407.4*	2406.0
13.5°	2391.2	2393.2	2396.6	2398.8	*2399.6*	2398.0
14°	2383.0	2384.4	2388.2	2390.4	*2391.6*	2389.9
14.5°	2374.2	2375.8	2379.6	2382.4	*2383.4*	2381.5
15°	2365.2	2367.1	2370.5	2373.6	*2374.7*	2372.7
15.5°	2356.0	2357.7	2361.0	2364.6	*2365.5*	2363.6
16°	2346.4	2348.1	2351.8	2355.0	*2356.2*	2354.3
16.5°	2336.5	2338.1	2342.1	2345.5	*2347.0*	2344.8
17°	2326.3	2327.9	2331.7	2335.8	*2337.0*	2335.1
17.5°	2316.0	2317.0	2321.6	2325.5	*2326.6*	2324.8
18°	2304.8	2306.4	2310.8	2314.1	*2315.9*	2314.5
18.5°	2294.1	2295.2	2299.8	2303.2	*2305.3*	2303.4
19°	2282.3	2283.9	2288.7	2292.4	*2294.2*	2292.3
19.5°	2270.7	2272.2	2276.5	2280.6	*2282.7*	2280.8
20°	2258.9	2260.2	2264.8	2269.0	*2271.0*	2269.7
20.5°	2246.3	2247.8	2252.5	2256.9	*2259.0*	2257.1
21°	2233.4	2235.0	2239.9	2244.4	*2246.8*	2244.7
21.5°	2220.7	2222.3	2226.9	2231.8	*2234.0*	2232.0
22°	2207.6	2208.8	2213.7	2218.8	*2221.1*	2219.6

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	2194.4	2195.5	2200.4	2205.5	*2208.0*	2206.3
23°	2180.6	2181.5	2187.0	2191.9	*2194.8*	2192.9
23.5°	2166.9	2167.3	2172.7	2177.9	*2181.2*	2179.4
24°	2152.7	2153.1	2158.8	2163.9	*2167.1*	2165.4
24.5°	2137.9	2138.6	2143.8	2149.2	*2152.3*	2151.0
25°	2122.9	2123.3	2129.1	2135.0	*2138.1*	2136.7
25.5°	2108.1	2108.2	2114.0	2120.0	*2123.3*	2122.2
26°	2092.8	2093.2	2098.9	2104.9	*2108.4*	2107.1
26.5°	2077.2	2077.5	2082.9	2089.0	*2093.0*	2091.5
27°	2061.0	2061.4	2067.2	2073.8	*2077.2*	2076.2
27.5°	2045.0	2045.3	2051.0	2057.8	*2061.3*	2060.5
28°	2028.9	2028.6	2034.6	2041.4	*2045.5*	2044.6
28.5°	2012.2	2011.9	2017.7	2025.0	*2029.3*	2027.9
29°	1995.6	1995.1	2001.0	2008.3	*2012.9*	2011.6
29.5°	1978.4	1978.0	1983.6	1991.2	*1996.0*	1994.9
30°	1961.4	1961.0	1966.4	1974.0	*1979.1*	1978.1
30.5°	1943.9	1943.1	1948.8	1956.8	*1961.7*	1960.5
31°	1926.5	1925.1	1930.7	1938.7	*1944.1*	1943.3
31.5°	1908.3	1907.1	1912.6	1920.7	*1926.6*	1925.7
32°	1890.0	1889.2	1894.5	1902.9	*1908.5*	1908.3
32.5°	1872.0	1870.3	1875.9	1884.9	*1890.5*	1890.0
33°	1853.5	1851.6	1857.4	1866.1	*1872.3*	1871.6
33.5°	1834.6	1832.8	1838.5	1847.1	*1853.8*	1853.3
34°	1815.5	1813.7	1819.6	1828.3	*1834.9*	1834.9
34.5°	1796.6	1794.0	1799.7	1809.0	*1815.4*	1815.7
35°	1777.1	1774.7	1780.0	1789.4	*1796.2*	1796.4
35.5°	1757.5	1754.8	1760.5	1770.2	*1777.1*	1777.1
36°	1738.1	1734.7	1740.6	1749.9	*1757.5*	1757.7
36.5°	1717.9	1714.5	1720.5	1729.9	*1737.2*	1738.0
37°	1697.0	1694.3	1699.7	1709.7	*1717.2*	1718.3
37.5°	1677.1	1673.1	1679.1	1689.5	*1697.1*	1698.2
38°	1656.3	1652.3	1658.3	1668.8	*1676.7*	1677.4
38.5°	1635.8	1631.4	1637.5	1647.6	*1655.9*	1657.0
39°	1615.1	1610.5	1616.2	1627.1	*1635.4*	1636.6
39.5°	1594.1	1589.2	1594.9	1605.6	*1614.5*	1615.8
40°	1572.8	1567.2	1573.1	1584.4	*1593.5*	1594.7
40.5°	1551.8	1545.8	1551.7	1562.8	*1571.8*	1573.2
41°	1529.8	1524.3	1529.6	1540.8	*1550.6*	1551.9
41.5°	1508.0	1501.7	1507.5	1519.1	*1529.3*	1530.3
42°	1485.6	1479.6	1485.0	1496.4	*1506.2*	1507.1
42.5°	1462.0	1455.4	1461.3	1472.9	*1482.4*	1483.7
43°	1437.8	1430.5	1435.9	1448.1	*1457.0*	1458.2
43.5°	1412.7	1404.4	1410.6	1422.3	*1432.0*	1432.8
44°	1386.5	1378.8	1384.3	1396.4	*1405.6*	1406.5
44.5°	1360.7	1352.6	1357.9	1370.2	*1379.7*	1381.1

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1334.3	1325.2	1330.9	1343.1	*1352.4*	1354.0
45.5°	1307.8	1298.2	1304.1	1316.2	*1326.1*	1327.3
46°	1281.0	1271.3	1276.4	1288.9	*1298.7*	1300.3
46.5°	1253.5	1243.8	1249.2	1261.5	*1271.8*	1272.8
47°	1226.0	1216.4	1220.8	1233.0	*1244.0*	1245.2
47.5°	1198.2	1187.5	1193.0	1206.1	*1216.4*	1217.8
48°	1170.9	1160.6	1164.8	1177.9	*1188.6*	1190.4
48.5°	1143.8	1132.5	1137.3	1150.0	*1161.8*	1162.9
49°	1116.0	1104.6	1109.5	1122.5	*1134.1*	1135.8
49.5°	1088.2	1077.8	1081.6	1095.0	*1106.4*	1108.3
50°	1060.4	1049.2	1052.8	1066.2	*1077.9*	1080.2
50.5°	1032.9	1021.6	1025.6	1038.6	*1051.0*	1053.0
51°	1005.9	993.5	998.2	1011.1	*1023.9*	1025.7
51.5°	978.1	966.9	970.7	983.8	*996.7*	999.0
52°	951.3	939.3	943.6	956.3	*969.3*	972.1
52.5°	924.5	912.7	916.8	929.8	*942.5*	944.9
53°	897.4	885.5	889.8	902.1	*915.8*	918.5
53.5°	870.4	858.8	863.2	875.4	*889.0*	891.8
54°	844.2	831.8	836.6	848.6	*861.8*	865.2
54.5°	818.0	806.8	810.6	822.9	*835.9*	839.6
55°	792.4	781.1	784.9	796.5	*809.6*	813.6
55.5°	766.7	754.7	759.2	770.6	*784.3*	787.3
56°	742.2	729.5	734.0	745.4	*757.8*	762.2
56.5°	717.6	704.9	709.0	720.1	*732.9*	737.0
57°	693.0	680.4	684.0	695.4	*706.9*	711.8
57.5°	668.5	656.1	659.5	670.2	*682.9*	687.4
58°	643.9	631.9	635.8	646.0	*658.6*	662.7
58.5°	619.7	608.3	612.1	622.0	*634.6*	638.7
59°	596.1	585.0	588.2	598.2	*610.1*	614.8
59.5°	572.8	562.3	565.5	575.1	*586.5*	591.3
60°	550.2	539.3	542.9	551.8	*563.2*	568.1
60.5°	527.1	517.2	520.4	529.1	*540.4*	544.9
61°	504.8	495.3	498.7	506.8	*517.3*	522.4
61.5°	483.0	474.1	476.9	485.2	*495.4*	500.1
62°	462.1	453.4	455.8	463.8	*473.5*	478.8
62.5°	440.7	432.1	435.0	442.3	*451.6*	456.7
63°	420.1	411.9	414.7	421.5	*431.0*	435.4
63.5°	399.5	392.0	394.7	401.3	*410.2*	413.8
64°	380.0	372.6	374.7	381.5	*389.4*	392.3
64.5°	360.2	353.7	355.8	361.7	*369.4*	370.6
65°	341.3	334.3	337.7	343.0	*350.2*	350.2
65.5°	322.8	316.5	319.9	325.1	*329.0*	331.6
66°	304.5	298.7	302.2	307.1	*310.9*	311.4
66.5°	286.5	280.9	284.5	289.1	*292.8*	291.2
67°	269.4	263.2	266.8	271.2	*274.7*	271.1

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	252.8	246.8	249.0	253.3	*256.6*	251.0
68°	236.5	230.8	232.8	237.0	*239.9*	233.8
68.5°	220.8	215.2	217.4	221.0	*223.2*	217.0
69°	205.5	200.5	202.4	206.1	*206.8*	200.9
69.5°	190.9	186.1	187.9	191.1	*191.3*	185.1
70°	176.8	172.3	174.3	177.7	*176.9*	170.3
70.5°	163.5	158.9	160.8	163.9	*163.1*	156.2
71°	150.7	146.4	148.5	151.1	*149.8*	142.9
71.5°	138.4	134.4	136.4	138.9	*137.7*	130.2
72°	126.9	123.3	125.2	127.6	*125.9*	118.0
72.5°	116.4	112.8	114.6	116.9	*115.1*	106.2
73°	106.4	103.1	104.9	106.7	*104.9*	96.0
73.5°	97.4	94.2	95.8	97.4	*95.6*	86.8
74°	91.0	86.5	87.6	89.2	*87.2*	79.4
74.5°	84.6	79.5	80.3	81.6	*79.6*	73.6
75°	78.2	73.5	74.1	75.0	*73.1*	68.2
75.5°	71.8	68.3	68.8	69.1	*67.4*	64.4
76°	65.3	64.4	64.6	64.6	*62.7*	61.2
76.5°	62.1	61.3	61.6	61.5	*59.3*	58.1
77°	59.2	58.4	58.7	58.5	*56.3*	55.1
77.5°	56.3	55.5	55.7	55.5	*53.3*	52.1
78°	53.4	52.6	52.9	52.7	*50.4*	49.2
78.5°	50.5	49.8	50.0	49.8	*47.5*	46.3
79°	47.7	47.1	47.3	47.0	*44.6*	43.5
79.5°	45.2	44.3	44.6	44.3	*41.9*	40.8
80°	42.4	41.6	41.9	41.5	*39.1*	38.0
80.5°	39.8	39.1	39.3	38.9	*36.5*	35.4
81°	37.2	36.5	36.7	36.2	*33.9*	33.3
81.5°	34.8	34.0	34.1	33.6	*31.3*	30.7
82°	32.2	31.6	31.7	31.2	*28.8*	28.1
82.5°	29.8	29.2	29.3	28.8	*26.3*	25.5
83°	27.4	26.8	26.9	26.3	*23.8*	22.8
83.5°	25.0	24.4	24.5	23.9	*21.3*	20.5
84°	22.6	22.0	22.1	21.5	*18.9*	18.1
84.5°	20.4	19.7	19.8	19.2	*16.6*	15.8
85°	18.1	17.4	17.6	17.0	*14.5*	13.6
85.5°	15.9	15.2	15.4	14.9	*12.5*	11.5
86°	13.7	13.1	13.1	12.8	*10.6*	9.7
86.5°	11.7	10.9	11.0	10.8	*8.7*	8.0
87°	9.6	8.9	8.9	8.8	*7.1*	6.4
87.5°	7.5	6.8	6.9	6.8	*5.6*	5.1
88°	5.5	4.8	4.9	4.9	*4.1*	3.7
88.5°	3.4	2.8	3.0	3.0	*3.3*	2.8
89°	1.5	2.1	2.3	2.3	*2.6*	2.0
89.5°	0.3	1.5	1.6	1.6	*1.8*	1.1

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.2	0.8	0.9	0.9	1.1	0.3
90.5°	0.2	0.2	0.2	0.2	0.3	0.2
91°	0.2	0.2	0.2	0.2	0.3	0.2
91.5°	0.2	0.2	0.2	0.2	0.3	0.2
92°	0.2	0.2	0.2	0.2	0.3	0.2
92.5°	0.2	0.2	0.2	0.2	0.3	0.2
93°	0.2	0.2	0.2	0.2	0.2	0.2
93.5°	0.2	0.2	0.2	0.2	0.2	0.2
94°	0.2	0.2	0.2	0.2	0.2	0.2
94.5°	0.2	0.2	0.2	0.2	0.2	0.2
95°	0.2	0.2	0.2	0.2	0.2	0.2
95.5°	0.2	0.2	0.2	0.2	0.2	0.2
96°	0.2	0.2	0.2	0.2	0.2	0.3
96.5°	0.2	0.2	0.2	0.2	0.2	0.3
97°	0.2	0.2	0.2	0.2	0.2	0.3
97.5°	0.2	0.2	0.2	0.2	0.2	0.3
98°	0.2	0.3	0.2	0.2	0.2	0.3
98.5°	0.2	0.3	0.3	0.2	0.3	0.3
99°	0.2	0.3	0.3	0.3	0.3	0.3
99.5°	0.2	0.3	0.3	0.3	0.3	0.3
100°	0.2	0.3	0.3	0.3	0.3	0.3
100.5°	0.2	0.3	0.3	0.3	0.3	0.3
101°	0.2	0.3	0.3	0.3	0.3	0.3
101.5°	0.2	0.3	0.3	0.3	0.3	0.3
102°	0.2	0.3	0.3	0.3	0.3	0.3
102.5°	0.2	0.3	0.3	0.3	0.3	0.3
103°	0.2	0.3	0.3	0.3	0.3	0.3
103.5°	0.2	0.3	0.3	0.3	0.3	0.3
104°	0.2	0.3	0.3	0.3	0.3	0.4
104.5°	0.2	0.3	0.3	0.3	0.3	0.4
105°	0.2	0.3	0.3	0.3	0.3	0.4
105.5°	0.2	0.3	0.3	0.3	0.3	0.4
106°	0.2	0.3	0.3	0.3	0.3	0.4
106.5°	0.2	0.4	0.3	0.3	0.4	0.4
107°	0.2	0.4	0.4	0.4	0.4	0.4
107.5°	0.3	0.4	0.4	0.4	0.4	0.4
108°	0.3	0.4	0.4	0.4	0.4	0.4
108.5°	0.3	0.4	0.4	0.4	0.4	0.4
109°	0.3	0.4	0.4	0.4	0.4	0.4
109.5°	0.3	0.4	0.4	0.4	0.4	0.4
110°	0.3	0.4	0.4	0.4	0.4	0.5
110.5°	0.3	0.4	0.4	0.4	0.4	0.5
111°	0.3	0.4	0.4	0.4	0.4	0.5
111.5°	0.3	0.4	0.4	0.4	0.4	0.5
112°	0.3	0.4	0.4	0.4	0.4	0.5

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.3	0.4	0.4	0.4	0.5	0.5
113°	0.3	0.5	0.4	0.4	0.5	0.5
113.5°	0.3	0.5	0.5	0.5	0.5	0.5
114°	0.3	0.5	0.5	0.5	0.5	0.5
114.5°	0.4	0.5	0.5	0.5	0.5	0.5
115°	0.4	0.5	0.5	0.5	0.5	0.5
115.5°	0.4	0.5	0.5	0.5	0.5	0.6
116°	0.4	0.5	0.5	0.5	0.5	0.6
116.5°	0.4	0.5	0.5	0.5	0.5	0.6
117°	0.4	0.5	0.5	0.5	0.5	0.6
117.5°	0.4	0.5	0.5	0.5	0.5	0.6
118°	0.4	0.6	0.5	0.5	0.6	0.6
118.5°	0.4	0.6	0.6	0.6	0.6	0.6
119°	0.5	0.6	0.6	0.6	0.6	0.6
119.5°	0.5	0.6	0.6	0.6	0.6	0.6
120°	0.5	0.6	0.6	0.6	0.6	0.6
120.5°	0.5	0.6	0.6	0.6	0.6	0.7
121°	0.5	0.6	0.6	0.6	0.6	0.7
121.5°	0.5	0.6	0.6	0.6	0.6	0.7
122°	0.5	0.6	0.6	0.6	0.6	0.7
122.5°	0.5	0.6	0.6	0.6	0.7	0.7
123°	0.5	0.7	0.6	0.6	0.7	0.7
123.5°	0.6	0.7	0.7	0.7	0.7	0.7
124°	0.6	0.7	0.7	0.7	0.7	0.7
124.5°	0.6	0.7	0.7	0.7	0.7	0.7
125°	0.6	0.7	0.7	0.7	0.7	0.8
125.5°	0.6	0.7	0.7	0.7	0.7	0.8
126°	0.6	0.7	0.7	0.7	0.7	0.8
126.5°	0.6	0.7	0.7	0.7	0.7	0.8
127°	0.6	0.7	0.7	0.7	0.8	0.8
127.5°	0.7	0.8	0.7	0.7	0.8	0.8
128°	0.7	0.8	0.8	0.8	0.8	0.8
128.5°	0.7	0.8	0.8	0.8	0.8	0.8
129°	0.7	0.8	0.8	0.8	0.8	0.8
129.5°	0.7	0.8	0.8	0.8	0.8	0.8
130°	0.7	0.8	0.8	0.8	0.8	0.8
130.5°	0.7	0.8	0.8	0.8	0.8	0.9
131°	0.7	0.8	0.8	0.8	0.8	0.9
131.5°	0.8	0.9	0.8	0.8	0.9	0.9
132°	0.8	0.9	0.9	0.9	0.9	0.9
132.5°	0.8	0.9	0.9	0.9	0.9	0.9
133°	0.8	0.9	0.9	0.9	0.9	0.9
133.5°	0.8	0.9	0.9	0.9	0.9	0.9
134°	0.8	0.9	0.9	0.9	0.9	0.9
134.5°	0.8	0.9	0.9	0.9	0.9	0.9

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.9	0.9	0.9	0.9	0.9	0.9
135.5°	0.9	0.9	0.9	0.9	0.9	1.0
136°	0.9	1.0	0.9	0.9	0.9	1.0
136.5°	0.9	1.0	0.9	1.0	1.0	1.0
137°	0.9	1.0	1.0	1.0	1.0	1.0
137.5°	0.9	1.0	1.0	1.0	1.0	1.0
138°	0.9	1.0	1.0	1.0	1.0	1.0
138.5°	0.9	1.0	1.0	1.0	1.0	1.0
139°	1.0	1.0	1.0	1.0	1.0	1.0
139.5°	1.0	1.0	1.0	1.0	1.0	1.0
140°	1.0	1.0	1.0	1.0	1.0	1.0
140.5°	1.0	1.0	1.0	1.0	1.0	1.0
141°	1.0	1.0	1.0	1.0	1.0	1.0
141.5°	1.0	1.0	1.0	1.0	1.0	1.1
142°	1.0	1.0	1.0	1.0	1.0	1.1
142.5°	1.1	1.1	1.0	1.0	1.1	1.1
143°	1.1	1.1	1.1	1.1	1.1	1.1
143.5°	1.1	1.1	1.1	1.1	1.1	1.1
144°	1.1	1.1	1.1	1.1	1.1	1.1
144.5°	1.1	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	1.1
145.5°	1.1	1.1	1.1	1.1	1.1	1.1
146°	1.1	1.1	1.1	1.1	1.1	1.1
146.5°	1.2	1.1	1.1	1.1	1.1	1.1
147°	1.2	1.1	1.1	1.1	1.1	1.2
147.5°	1.2	1.1	1.1	1.1	1.1	1.2
148°	1.2	1.1	1.1	1.1	1.1	1.2
148.5°	1.2	1.1	1.1	1.1	1.2	1.2
149°	1.2	1.1	1.1	1.1	1.2	1.2
149.5°	1.2	1.2	1.1	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2
150.5°	1.3	1.2	1.2	1.2	1.2	1.2
151°	1.3	1.2	1.2	1.2	1.2	1.2
151.5°	1.3	1.2	1.2	1.2	1.2	1.2
152°	1.3	1.2	1.2	1.2	1.2	1.2
152.5°	1.3	1.2	1.2	1.2	1.2	1.2
153°	1.3	1.2	1.2	1.2	1.2	1.2
153.5°	1.3	1.2	1.2	1.2	1.2	1.2
154°	1.3	1.2	1.2	1.2	1.2	1.2
154.5°	1.4	1.2	1.2	1.2	1.2	1.2
155°	1.4	1.2	1.2	1.2	1.2	1.2
155.5°	1.4	1.2	1.2	1.2	1.2	1.2
156°	1.4	1.2	1.2	1.2	1.2	1.3
156.5°	1.4	1.2	1.2	1.2	1.2	1.3
157°	1.4	1.2	1.2	1.2	1.3	1.3

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.4	1.2	1.2	1.2	1.3	1.3
158°	1.4	1.2	1.2	1.2	1.3	1.3
158.5°	1.4	1.2	1.2	1.2	1.3	1.3
159°	1.5	1.2	1.2	1.2	1.3	1.3
159.5°	1.5	1.2	1.2	1.2	1.3	1.3
160°	1.5	1.2	1.2	1.2	1.3	1.3
160.5°	1.5	1.2	1.2	1.2	1.3	1.3
161°	1.5	1.2	1.2	1.3	1.3	1.3
161.5°	1.5	1.2	1.2	1.3	1.3	1.3
162°	1.5	1.2	1.2	1.3	1.3	1.3
162.5°	1.5	1.2	1.2	1.3	1.3	1.3
163°	1.5	1.2	1.2	1.3	1.3	1.3
163.5°	1.5	1.2	1.2	1.3	1.3	1.3
164°	1.5	1.2	1.2	1.3	1.3	1.3
164.5°	1.5	1.2	1.2	1.3	1.3	1.3
165°	1.5	1.2	1.2	1.3	1.3	1.3
165.5°	1.5	1.2	1.2	1.3	1.3	1.3
166°	1.5	1.2	1.2	1.3	1.3	1.3
166.5°	1.5	1.2	1.3	1.3	1.3	1.3
167°	1.5	1.2	1.3	1.3	1.3	1.3
167.5°	1.5	1.2	1.3	1.3	1.3	1.3
168°	1.5	1.2	1.3	1.3	1.3	1.3
168.5°	1.5	1.2	1.3	1.3	1.3	1.3
169°	1.5	1.3	1.3	1.3	1.3	1.3
169.5°	1.5	1.3	1.3	1.3	1.3	1.3
170°	1.5	1.3	1.3	1.3	1.3	1.3
170.5°	1.5	1.3	1.3	1.3	1.3	1.3
171°	1.5	1.3	1.3	1.3	1.3	1.3
171.5°	1.5	1.3	1.3	1.3	1.3	1.3
172°	1.5	1.3	1.3	1.3	1.3	1.3
172.5°	1.5	1.3	1.3	1.3	1.3	1.3
173°	1.5	1.3	1.3	1.3	1.4	1.4
173.5°	1.5	1.3	1.3	1.4	1.4	1.4
174°	1.5	1.3	1.3	1.4	1.4	1.4
174.5°	1.5	1.4	1.4	1.4	1.4	1.4
175°	1.5	1.4	1.4	1.4	1.4	1.4
175.5°	1.5	1.4	1.4	1.4	1.4	1.4
176°	1.5	1.4	1.4	1.4	1.4	1.4
176.5°	1.6	1.4	1.4	1.4	1.4	1.4
177°	1.6	1.4	1.4	1.4	1.4	1.4
177.5°	1.5	1.4	1.4	1.4	1.4	1.4
178°	1.5	1.5	1.5	1.5	1.5	1.5
178.5°	1.5	1.5	1.5	1.5	1.5	1.5
179°	1.5	1.5	1.5	1.5	1.5	1.5
179.5°	1.5	1.5	1.5	1.5	1.5	1.5

TEST NUMBER: P640230
CATALOG NUMBER: LCR850RD9FSE010-50W-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.5	1.5	1.5	1.5	*1.5*	1.5

(END OF REPORT)