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: P640232

Luminaire Tested: LCR850RD9FSE010-50W-6500K

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:	P640232
	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-6500K
Description:	LCR 8
Light Source:	6500K CCT, 93 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5100.0 lumens
Efficiency:	N/A
Efficacy:	102.0 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
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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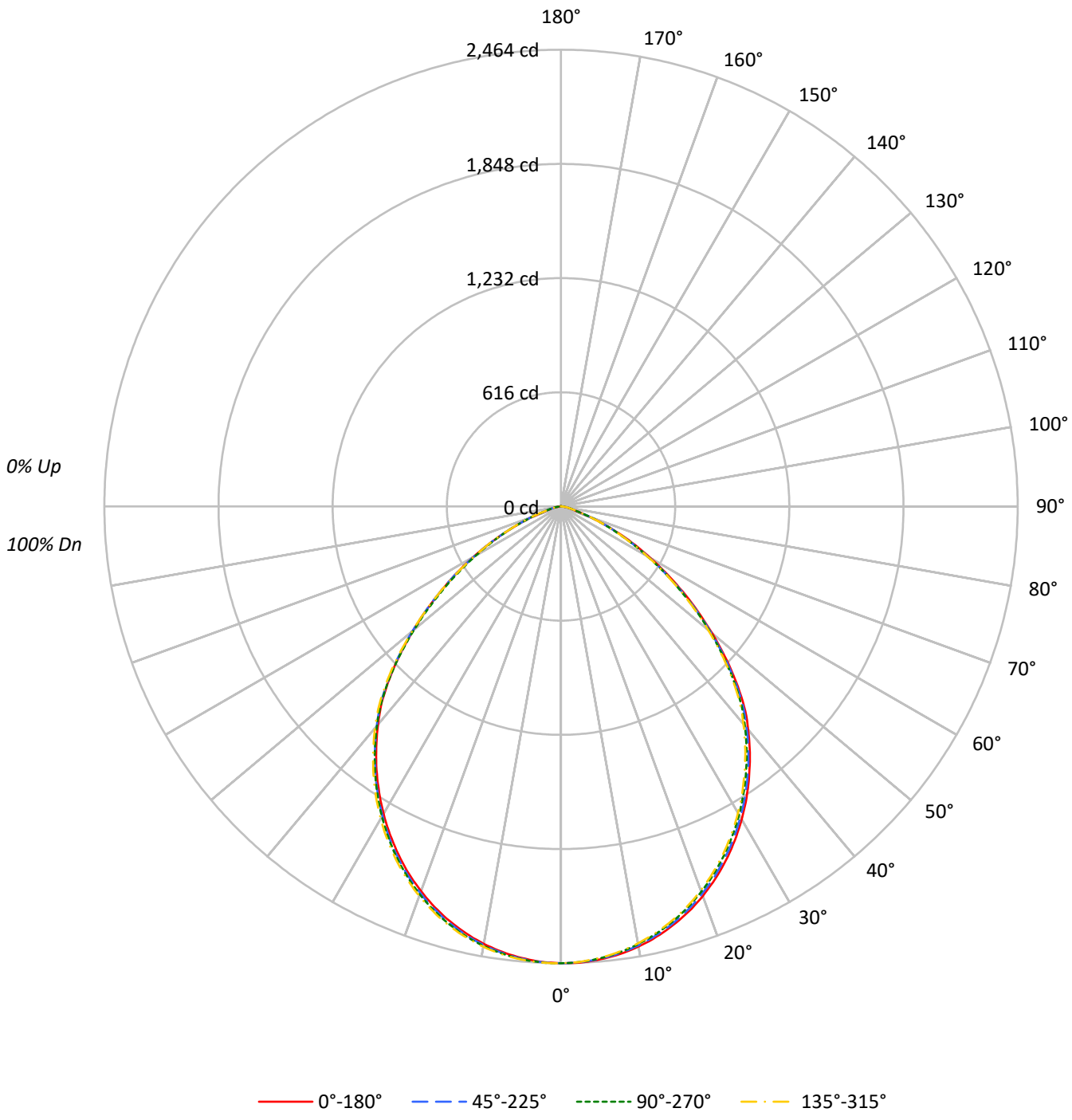
Luminous Intensity Polar Plot



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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°	75984	75984	75984	75984
5°	75912	75714	75664	75875
10°	75487	75058	75011	75368
15°	74648	74035	73952	74469
20°	73401	72604	72473	73096
25°	71648	70729	70552	71195
30°	69412	68397	68173	68814
35°	66645	65565	65290	65840
40°	63259	62124	61850	62172
45°	58188	57193	56932	56954
50°	51072	50103	50002	49604
55°	43106	41972	42187	41386
60°	34531	33328	33790	32779
65°	25180	24312	24356	24042
70°	15129	15390	14732	15309
75°	8006	8805	7935	8638
80°	6641	7245	6588	7281
85°	4741	6085	4706	6085

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 58188 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	4.6
10°-20°	655.3	12.9
20°-30°	960.2	18.8
30°-40°	1091.7	21.4
40°-50°	1008.5	19.8
50°-60°	702.5	13.8
60°-70°	338.2	6.6
70°-80°	88.6	1.7
80°-90°	18.5	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°	1847.9	36.2
0°-40°	2939.6	57.6
0°-60°	4650.5	91.2
0°-90°	5095.9	99.9
90°-120°	1.0	0.0
90°-150°	2.9	0.1
90°-180°	4.0	0.1
0°-180°	5100.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2464	2464	2464	2464	2464	
5°	2452	2446	2444	2451	2452	233
15°	2338	2319	2316	2333	2338	659
25°	2106	2079	2074	2092	2106	969
35°	1770	1742	1734	1749	1770	1105
45°	1334	1312	1306	1306	1334	1024
55°	802	781	785	770	802	718
65°	345	333	334	330	345	346
75°	67	74	67	72	67	85
85°	13	17	13	17	13	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°	2464.1	2464.1	2464.1	2464.1	2464.1	2464.1	2464.1	2464.1	2464.1	2464.1	2464.1
0.5°	*2464.2*	*2464.2*	*2464.1*	*2463.8*	*2463.7*	*2463.5*	*2463.5*	*2463.4*	*2463.3*	*2463.8*	*2463.5*
1°	2463.9	2464.3	2463.4	2462.9	2463.1	2462.3	2462.5	2462.5	2462.4	2463.0	2463.1
1.5°	2463.7	2463.3	2462.5	2462.0	2461.9	2460.9	2461.2	2461.2	2461.5	2462.1	2462.6
2°	2462.9	2462.7	2461.4	2460.7	2460.4	2459.8	2459.8	2459.8	2460.0	2460.8	2461.3
2.5°	2462.1	2461.5	2460.3	2459.2	2459.0	2457.8	2457.9	2458.0	2458.0	2458.9	2460.0
3°	2461.0	2460.1	2458.6	2457.5	2457.0	2455.5	2455.7	2455.6	2456.1	2457.0	2458.4
3.5°	2459.4	2458.2	2456.8	2455.3	2454.8	2453.3	2452.8	2453.2	2453.7	2455.0	2456.2
4°	2457.3	2456.1	2454.5	2453.0	2452.1	2450.6	2450.2	2450.6	2451.1	2452.6	2453.8
4.5°	2455.0	2453.9	2452.1	2450.4	2449.1	2447.6	2447.4	2447.5	2447.8	2449.6	2451.1
5°	2452.4	2451.1	2449.2	2447.4	2446.0	2444.1	2443.9	2444.1	2444.4	2446.7	2448.4
5.5°	2449.7	2448.1	2446.0	2443.7	2442.2	2440.5	2440.4	2440.4	2441.0	2443.3	2445.2
6°	2446.4	2444.8	2442.2	2439.9	2438.2	2436.8	2436.2	2436.2	2437.1	2439.4	2441.4
6.5°	2443.0	2441.3	2438.7	2435.9	2434.5	2432.4	2431.9	2431.8	2433.1	2435.8	2437.7
7°	2439.3	2437.1	2434.9	2431.3	2430.0	2428.0	2427.3	2427.0	2428.6	2431.5	2433.5
7.5°	2435.3	2433.2	2430.4	2426.7	2425.5	2422.6	2422.3	2422.3	2423.8	2426.5	2429.0
8°	2431.1	2428.6	2425.9	2422.1	2420.3	2418.0	2417.1	2417.4	2418.7	2421.7	2424.3
8.5°	2426.1	2423.8	2420.9	2416.6	2415.1	2412.3	2411.7	2411.9	2413.5	2416.2	2419.3
9°	2421.3	2418.8	2415.5	2410.8	2409.4	2406.7	2405.6	2406.3	2407.7	2410.9	2414.2
9.5°	2416.1	2413.4	2409.5	2405.1	2403.3	2400.9	2399.7	2400.1	2401.8	2404.9	2408.2
10°	2410.8	2407.7	2404.0	2399.0	2397.1	2394.6	2393.2	2394.0	2395.6	2398.7	2402.1
10.5°	2404.6	2401.6	2397.6	2392.9	2390.7	2387.9	2386.3	2387.2	2389.0	2392.4	2395.7
11°	2398.6	2395.5	2391.2	2386.3	2384.1	2381.0	2379.3	2380.3	2382.2	2385.6	2389.3
11.5°	2392.2	2388.7	2384.3	2379.4	2376.8	2373.8	2372.2	2372.8	2375.4	2378.3	2382.6
12°	2385.4	2382.1	2377.3	2372.2	2369.1	2366.1	2364.9	2365.1	2367.6	2371.1	2375.4
12.5°	2378.3	2374.8	2369.8	2364.5	2361.9	2358.5	2356.8	2357.7	2359.6	2363.5	2367.9
13°	2371.2	2367.3	2362.1	2357.0	2353.7	2350.3	2349.0	2349.5	2351.7	2355.7	2360.1
13.5°	2363.2	2359.5	2354.2	2348.6	2345.9	2341.7	2340.3	2341.0	2343.4	2347.6	2351.9
14°	2355.2	2351.4	2345.9	2339.8	2336.9	2333.0	2331.7	2332.1	2334.7	2339.1	2343.4
14.5°	2347.0	2343.2	2337.5	2331.1	2328.3	2324.4	2322.5	2323.0	2325.8	2330.0	2334.6
15°	2338.3	2334.7	2328.8	2322.0	2319.1	2314.8	2313.2	2314.1	2316.5	2320.8	2325.5
15.5°	2329.3	2325.9	2319.4	2312.9	2309.9	2305.3	2303.7	2303.9	2306.8	2311.6	2316.4
16°	2320.2	2316.5	2310.0	2303.1	2299.8	2295.6	2293.4	2293.5	2297.1	2301.8	2307.1
16.5°	2310.9	2307.1	2300.0	2293.3	2289.8	2285.8	2283.6	2283.9	2286.7	2291.7	2297.0
17°	2301.2	2296.8	2290.4	2283.4	2279.7	2275.1	2272.4	2273.4	2276.5	2281.7	2286.9
17.5°	2291.1	2286.9	2280.0	2273.0	2269.0	2264.5	2261.6	2262.7	2266.0	2271.0	2276.8
18°	2281.0	2276.4	2269.6	2262.4	2258.6	2253.3	2250.6	2251.6	2255.1	2260.4	2265.8
18.5°	2270.0	2265.3	2258.4	2250.9	2247.0	2242.1	2239.8	2240.3	2243.8	2249.3	2254.9
19°	2259.1	2254.1	2247.7	2239.9	2235.7	2230.7	2228.3	2228.9	2232.1	2237.9	2243.6
19.5°	2247.7	2243.0	2236.2	2228.5	2224.5	2219.3	2216.2	2216.9	2220.5	2225.9	2231.9
20°	2236.8	2231.7	2224.7	2216.6	2212.5	2207.0	2204.4	2204.7	2208.5	2214.3	2220.0
20.5°	2224.4	2219.5	2212.3	2204.1	2200.1	2194.6	2192.1	2192.4	2196.1	2201.8	2207.7
21°	2212.2	2207.5	2200.0	2191.7	2187.6	2182.0	2179.2	2179.7	2183.5	2189.4	2195.1
21.5°	2199.7	2195.1	2187.5	2179.0	2175.1	2169.2	2166.4	2166.6	2171.0	2176.8	2182.6
22°	2187.4	2182.6	2174.9	2166.0	2161.7	2156.3	2153.4	2153.4	2157.5	2163.6	2169.6

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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°	2174.4	2169.2	2161.9	2153.1	2148.4	2142.9	2140.0	2140.1	2144.4	2150.6	2156.5
23°	2161.1	2156.2	2148.8	2139.8	2135.1	2129.1	2126.1	2126.6	2130.9	2137.0	2142.8
23.5°	2147.8	2142.8	2135.0	2126.0	2121.5	2115.3	2112.3	2112.8	2116.9	2123.1	2129.1
24°	2134.0	2128.6	2121.2	2112.2	2107.3	2101.3	2098.1	2098.5	2102.4	2109.3	2115.2
24.5°	2119.9	2114.7	2106.8	2097.8	2093.3	2086.9	2083.6	2083.9	2088.4	2094.5	2100.7
25°	2105.8	2100.6	2092.7	2083.2	2078.8	2072.1	2068.7	2069.2	2073.6	2080.0	2086.3
25.5°	2091.5	2086.3	2077.8	2069.0	2064.0	2057.7	2054.1	2054.9	2058.6	2065.3	2071.2
26°	2076.6	2071.4	2063.3	2053.9	2048.9	2042.5	2038.7	2039.4	2043.3	2050.1	2056.2
26.5°	2061.2	2056.1	2048.3	2038.8	2034.0	2027.2	2023.4	2023.6	2028.0	2034.8	2040.9
27°	2046.1	2041.0	2033.4	2023.3	2018.4	2011.5	2007.7	2008.0	2012.3	2019.2	2025.5
27.5°	2030.7	2025.4	2017.4	2007.2	2002.7	1996.0	1992.0	1992.6	1996.6	2003.4	2009.8
28°	2015.0	2009.3	2001.1	1991.7	1986.7	1979.9	1975.4	1976.2	1980.4	1987.3	1993.4
28.5°	1998.6	1993.5	1985.2	1975.3	1970.7	1963.6	1959.5	1960.0	1964.3	1971.3	1977.1
29°	1982.4	1977.6	1969.3	1959.1	1954.3	1947.1	1942.9	1943.5	1948.2	1955.0	1960.8
29.5°	1966.0	1960.9	1953.0	1942.4	1937.7	1930.4	1926.3	1926.7	1931.4	1938.0	1944.1
30°	1949.4	1944.0	1936.3	1925.7	1920.9	1913.5	1909.3	1909.6	1914.6	1921.3	1927.0
30.5°	1932.1	1927.0	1919.3	1909.1	1903.9	1896.5	1892.0	1892.8	1897.3	1904.3	1909.7
31°	1915.2	1910.3	1902.0	1891.7	1886.5	1879.5	1874.6	1875.3	1880.1	1886.9	1892.6
31.5°	1897.8	1892.7	1884.4	1874.3	1869.2	1862.0	1857.3	1857.8	1862.5	1868.9	1875.0
32°	1880.6	1875.0	1867.0	1856.7	1851.7	1844.0	1839.2	1839.7	1844.8	1851.4	1857.1
32.5°	1862.6	1857.2	1849.6	1838.7	1834.1	1826.7	1821.7	1822.4	1827.2	1833.8	1839.7
33°	1844.4	1839.7	1831.1	1820.9	1816.1	1808.3	1803.1	1803.8	1808.7	1815.3	1821.1
33.5°	1826.4	1821.0	1812.9	1802.7	1797.7	1789.9	1784.7	1785.8	1790.5	1797.1	1802.8
34°	1808.3	1803.1	1794.8	1784.3	1779.2	1771.3	1766.6	1767.1	1772.1	1778.4	1784.3
34.5°	1789.4	1783.7	1776.1	1765.5	1760.4	1752.7	1747.8	1748.6	1753.2	1760.0	1765.5
35°	1770.4	1765.5	1757.3	1746.0	1741.7	1733.8	1729.0	1729.5	1734.4	1740.9	1746.5
35.5°	1751.3	1746.8	1738.6	1727.9	1722.4	1714.7	1709.6	1710.5	1715.6	1722.2	1727.2
36°	1732.3	1727.0	1719.1	1708.5	1703.3	1695.8	1690.5	1691.1	1696.2	1702.9	1707.7
36.5°	1712.8	1707.8	1699.7	1688.9	1684.1	1676.3	1671.6	1672.0	1676.9	1683.5	1688.8
37°	1693.3	1688.1	1679.3	1669.5	1664.4	1656.8	1651.3	1651.8	1657.2	1663.8	1668.6
37.5°	1673.6	1668.3	1660.2	1649.5	1644.5	1636.9	1631.5	1632.3	1637.4	1644.0	1648.2
38°	1653.1	1648.1	1639.9	1629.6	1624.7	1617.2	1611.8	1612.3	1617.4	1623.6	1628.6
38.5°	1633.0	1628.4	1619.7	1609.6	1604.4	1596.6	1591.8	1592.5	1597.3	1603.6	1608.6
39°	1612.9	1607.8	1599.4	1589.0	1584.4	1576.6	1571.5	1572.2	1577.1	1583.3	1587.8
39.5°	1592.4	1587.1	1579.2	1568.7	1564.0	1556.0	1551.6	1552.2	1556.9	1562.9	1567.4
40°	1571.5	1566.5	1558.3	1547.5	1543.3	1535.9	1531.0	1531.7	1536.5	1542.4	1546.4
40.5°	1550.4	1545.4	1537.9	1527.3	1522.4	1515.1	1510.7	1511.2	1515.9	1521.7	1525.8
41°	1529.4	1524.5	1516.7	1505.9	1501.8	1494.6	1490.0	1490.3	1495.1	1501.0	1504.7
41.5°	1508.1	1503.0	1495.3	1484.4	1480.9	1473.2	1468.9	1469.2	1474.2	1479.6	1483.5
42°	1485.2	1480.8	1472.8	1462.4	1458.4	1451.3	1447.4	1447.9	1452.6	1457.8	1461.6
42.5°	1462.2	1457.3	1449.6	1439.0	1435.6	1428.5	1424.6	1425.3	1429.8	1435.0	1439.0
43°	1437.1	1432.5	1425.6	1414.5	1412.2	1405.2	1401.4	1402.1	1405.9	1411.4	1415.4
43.5°	1412.1	1407.7	1400.2	1390.3	1387.0	1380.9	1377.2	1377.6	1381.2	1386.6	1390.4
44°	1386.1	1381.9	1374.8	1364.6	1362.4	1355.8	1352.4	1352.3	1356.6	1361.5	1364.9
44.5°	1361.1	1355.9	1349.3	1339.3	1336.9	1330.7	1327.3	1327.2	1331.2	1336.0	1339.5

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	1334.3	1330.1	1323.4	1312.7	1311.5	1305.3	1301.7	1301.9	1305.5	1310.8	1314.5
45.5°	1308.1	1303.9	1296.5	1287.4	1285.4	1279.8	1275.6	1276.2	1279.7	1284.6	1287.3
46°	1281.4	1276.9	1270.1	1261.2	1259.0	1253.6	1249.5	1250.4	1253.9	1258.6	1261.0
46.5°	1254.4	1250.1	1243.5	1233.7	1233.0	1227.0	1223.4	1224.2	1227.8	1232.3	1234.8
47°	1227.1	1223.0	1216.6	1207.1	1206.1	1200.8	1197.0	1197.5	1201.5	1205.4	1208.2
47.5°	1200.2	1196.3	1189.8	1180.4	1179.1	1173.5	1169.9	1170.9	1174.6	1179.0	1180.7
48°	1173.1	1169.2	1162.1	1153.4	1152.4	1147.3	1143.5	1144.7	1148.4	1152.8	1153.7
48.5°	1146.1	1141.9	1135.2	1125.6	1125.5	1120.4	1116.9	1118.3	1122.0	1125.6	1127.3
49°	1119.3	1114.7	1108.2	1098.6	1098.4	1093.5	1090.4	1091.3	1095.6	1099.0	1101.0
49.5°	1092.3	1087.7	1081.4	1071.9	1072.1	1066.2	1063.7	1064.8	1069.2	1072.2	1073.4
50°	1064.6	1060.3	1053.9	1044.8	1044.4	1039.7	1036.6	1038.5	1042.3	1045.8	1046.8
50.5°	1037.7	1033.5	1026.3	1017.3	1017.3	1013.0	1010.4	1011.9	1016.5	1019.1	1019.3
51°	1010.9	1006.6	999.7	990.1	990.7	985.9	984.1	985.5	989.5	992.7	993.4
51.5°	984.5	979.4	973.2	963.7	964.0	959.6	957.5	959.5	963.7	966.2	966.8
52°	958.1	953.1	946.4	936.9	938.0	933.3	931.5	933.6	937.8	940.2	940.5
52.5°	931.2	926.7	919.6	910.5	910.7	907.1	904.8	907.4	911.3	914.1	913.7
53°	905.2	900.4	893.2	884.2	884.2	880.1	879.4	881.5	886.1	888.4	887.6
53.5°	878.9	874.3	866.8	857.3	858.4	854.0	853.0	856.0	859.9	862.6	861.5
54°	852.7	847.7	840.7	830.9	832.2	828.7	827.4	830.6	834.8	836.8	836.0
54.5°	827.4	822.4	814.7	805.8	806.4	803.1	801.6	804.8	809.1	811.1	810.4
55°	801.8	796.7	789.2	780.2	780.7	778.1	777.0	780.0	784.7	786.6	784.4
55.5°	775.9	771.3	763.7	754.5	755.3	752.3	751.8	755.4	759.4	761.5	759.6
56°	751.2	746.0	738.3	729.1	731.0	728.1	727.8	731.5	735.5	737.5	735.6
56.5°	726.4	721.1	712.9	704.2	706.7	703.9	703.9	707.5	711.6	713.5	711.5
57°	701.5	696.5	688.2	679.4	682.3	679.8	680.0	683.6	687.8	689.6	687.4
57.5°	677.4	672.1	664.1	654.6	658.0	655.6	656.0	659.7	663.9	665.6	663.4
58°	653.1	648.6	640.1	631.1	633.7	631.4	632.1	635.7	640.1	641.7	639.3
58.5°	629.5	624.2	616.2	607.0	610.1	607.9	608.2	612.3	616.7	618.4	615.3
59°	605.9	601.0	592.5	583.5	586.7	584.3	585.0	588.8	593.4	594.8	591.8
59.5°	582.7	577.6	569.6	559.9	563.7	561.2	561.8	566.3	570.4	572.1	568.6
60°	559.9	554.9	546.4	537.8	540.4	538.5	538.7	543.3	547.9	549.1	545.8
60.5°	537.0	532.0	523.7	514.7	518.2	516.4	516.7	521.3	525.4	526.9	523.0
61°	514.8	510.2	501.4	493.1	496.4	494.5	494.8	499.0	503.7	505.0	501.1
61.5°	492.8	488.0	479.9	471.2	474.8	472.6	473.2	477.7	482.0	483.0	479.1
62°	471.8	467.0	458.4	450.0	453.5	451.3	452.1	456.2	460.8	462.3	457.9
62.5°	450.1	445.2	436.9	428.4	432.2	430.5	430.8	435.7	439.7	440.8	436.8
63°	429.1	424.9	416.2	408.3	411.4	409.7	410.1	414.5	417.7	419.9	415.6
63.5°	407.8	404.1	395.7	388.2	391.3	389.6	390.0	394.4	396.1	399.5	395.9
64°	386.6	384.3	375.9	368.1	371.7	369.6	370.4	374.3	375.1	379.1	375.7
64.5°	365.2	363.5	356.5	348.4	352.3	350.9	351.0	355.3	354.2	359.0	356.2
65°	345.1	344.8	337.3	329.7	333.2	331.8	331.9	336.1	333.8	339.5	337.5
65.5°	326.8	323.5	319.2	312.1	314.8	313.4	313.4	317.1	313.3	320.2	318.8
66°	306.9	305.3	301.1	294.5	296.8	295.5	295.5	298.0	294.0	301.2	300.3
66.5°	287.0	287.0	283.1	276.9	279.6	278.0	278.0	280.0	275.4	282.3	282.9
67°	267.2	268.8	265.0	259.3	262.3	260.7	260.9	261.7	257.8	264.3	265.5

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	247.4	250.5	247.0	241.7	245.5	244.5	244.2	244.6	240.7	247.1	248.9
68°	230.4	233.7	231.3	225.8	229.5	228.4	228.3	227.6	224.1	230.5	232.5
68.5°	213.9	217.2	215.6	210.5	214.3	213.2	212.9	211.5	208.1	214.3	216.9
69°	198.0	201.1	200.5	195.5	199.2	198.0	198.1	196.2	192.6	198.8	201.9
69.5°	182.4	186.1	185.5	181.2	184.7	183.8	183.7	181.5	177.8	184.1	187.3
70°	167.8	171.8	172.2	167.8	170.7	170.1	169.7	167.6	163.4	170.1	173.2
70.5°	154.0	158.1	158.6	154.8	157.8	156.9	157.0	154.6	150.5	156.8	160.2
71°	140.9	145.0	146.0	142.1	145.1	144.7	144.5	142.0	137.6	144.0	147.4
71.5°	128.3	132.6	133.5	130.7	133.4	133.0	132.8	130.3	125.4	132.2	135.5
72°	116.3	121.2	122.8	119.8	122.3	121.6	121.5	119.3	114.0	120.8	124.2
72.5°	104.7	110.5	112.2	109.7	112.0	111.5	111.5	109.1	103.4	110.4	113.6
73°	94.6	100.6	102.3	100.2	102.2	102.0	101.7	99.5	93.1	100.7	103.8
73.5°	85.6	92.0	93.1	91.6	93.8	93.3	93.1	92.6	86.5	92.0	94.9
74°	78.2	84.0	85.4	83.9	87.2	86.6	86.3	85.6	79.9	85.4	88.6
74.5°	72.6	77.0	78.2	77.0	80.5	80.0	79.6	78.6	73.2	78.8	82.3
75°	67.2	70.7	72.0	71.1	73.9	73.4	73.0	71.6	66.6	72.2	76.0
75.5°	63.5	65.4	66.5	66.0	67.3	66.9	66.3	64.6	63.0	65.7	69.7
76°	60.3	61.2	62.5	62.2	63.2	62.9	62.3	60.6	59.7	61.4	63.4
76.5°	57.2	58.0	59.4	59.2	60.1	59.9	59.3	57.5	56.7	58.3	60.3
77°	54.3	55.0	56.5	56.3	57.2	57.0	56.3	54.4	53.7	55.2	57.3
77.5°	51.3	52.0	53.6	53.5	54.3	54.2	53.5	51.6	50.9	52.3	54.5
78°	48.5	49.1	50.7	50.7	51.5	51.4	50.7	48.7	47.9	49.3	51.5
78.5°	45.6	46.2	47.9	48.0	48.8	48.6	47.9	45.9	45.2	46.5	48.8
79°	42.9	43.4	45.2	45.3	46.2	45.9	45.2	43.1	42.5	43.6	46.0
79.5°	40.2	40.6	42.5	42.7	43.5	43.3	42.6	40.4	39.8	41.0	43.3
80°	37.4	37.9	39.8	40.1	40.8	40.7	39.9	37.8	37.1	38.2	40.7
80.5°	34.9	35.4	37.3	37.7	38.3	38.2	37.4	35.1	34.5	35.6	38.1
81°	32.8	32.7	34.6	35.1	35.9	35.6	34.8	32.6	32.0	33.0	35.5
81.5°	30.2	30.3	32.2	32.4	33.4	33.2	32.4	30.1	29.5	30.5	33.0
82°	27.7	27.8	29.9	30.1	30.9	30.8	29.9	27.6	27.0	28.0	30.6
82.5°	25.1	25.4	27.5	27.8	28.6	28.4	27.5	25.2	24.7	25.5	28.2
83°	22.5	22.9	25.1	25.5	26.3	26.1	25.1	22.8	22.3	23.1	25.8
83.5°	20.2	20.5	22.7	23.2	23.9	23.8	22.8	20.5	20.0	20.8	23.5
84°	17.8	18.2	20.5	21.0	21.6	21.5	20.5	18.2	17.7	18.5	21.2
84.5°	15.6	15.9	18.3	18.8	19.4	19.3	18.4	16.0	15.5	16.2	19.0
85°	13.4	13.7	16.2	16.6	17.2	17.1	16.2	14.0	13.3	14.2	16.9
85.5°	11.3	12.0	14.2	14.5	15.1	15.0	14.1	12.0	11.4	12.4	14.7
86°	9.6	10.0	12.2	12.4	13.0	12.9	12.2	10.4	9.8	10.7	12.7
86.5°	7.9	8.3	10.2	10.3	11.0	10.9	10.3	8.7	8.2	9.0	10.8
87°	6.4	6.8	8.3	8.3	9.0	8.9	8.4	7.0	6.6	7.4	8.9
87.5°	5.0	5.3	6.3	6.3	7.0	6.9	6.5	5.4	5.0	5.7	7.0
88°	3.6	3.8	4.5	4.3	5.0	4.9	4.6	3.7	3.5	4.0	5.0
88.5°	2.8	2.9	2.6	3.5	3.0	2.9	2.8	2.3	2.1	2.5	3.1
89°	1.9	2.0	2.0	2.7	1.2	1.1	1.1	1.0	0.9	1.1	1.3
89.5°	1.1	1.2	1.4	1.9	0.2	0.3	0.3	0.4	0.3	0.3	0.3

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.3	0.3	0.8	1.0	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°	0.2	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	0.2	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	0.2	0.2	0.2
98.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
99°	0.3	0.3	0.3	0.2	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	0.2	0.2
104°	0.3	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	0.2	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	0.2	0.2	0.2	0.3	0.3	0.3	0.2
106.5°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2
107°	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2
107.5°	0.4	0.4	0.4	0.4	0.3	0.2	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°	0.4	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	0.4	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	0.3	0.3

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

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	0.4	0.4	0.3	0.3	0.3	0.3	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	0.3
114°	0.5	0.5	0.5	0.5	0.4	0.3	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°	0.5	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	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	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	0.4	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	0.4	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	0.5	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°	0.6	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	0.5	0.5
121.5°	0.7	0.6	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	0.5
123°	0.7	0.7	0.6	0.6	0.5	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	0.6	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°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	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	0.6	0.7	0.7	0.6
126.5°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.6
127°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7
127.5°	0.8	0.8	0.7	0.8	0.7	0.6	0.7	0.7	0.7	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	0.7	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	0.7	0.8	0.8	0.7
130.5°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.7
131°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.7
131.5°	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8
132°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	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	0.8	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: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

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	0.8	0.8	0.8	0.9	0.9	0.9	0.8
135.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	1.0	0.9	0.9
136°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9
136.5°	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	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	0.9	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	0.9	0.9	0.9	1.0	1.0	1.0	0.9
139.5°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
142°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
142.5°	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0
143°	1.1	1.1	1.0	1.0	1.1	1.0	1.0	1.1	1.1	1.1	1.1
143.5°	1.1	1.1	1.1	1.0	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	1.1	1.1	1.1
146°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
146.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
147°	1.1	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.2	1.2	1.2
147.5°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
148°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
148.5°	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
149°	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
149.5°	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
151°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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	1.3	1.3	1.3
154°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
154.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.3
155°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4
155.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.4	1.4
156°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
156.5°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
157°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

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: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2464.1	2464.1	2464.1	2464.1	*2464.1*	2464.1
0.5°	*2464.1*	*2464.2*	*2464.3*	*2464.4*	*2464.6*	*2464.2*
1°	2464.1	2464.1	2464.3	2464.2	*2464.5*	2463.9
1.5°	2463.2	2463.5	2463.6	2463.9	*2464.3*	2463.7
2°	2462.4	2462.7	2463.1	2463.2	*2463.1*	2462.9
2.5°	2461.0	2461.8	2461.9	2462.5	*2462.5*	2462.1
3°	2459.8	2460.0	2460.9	2461.2	*2461.2*	2461.0
3.5°	2457.8	2458.4	2459.2	2459.6	*2459.9*	2459.4
4°	2455.4	2456.1	2457.4	2457.5	*2458.3*	2457.3
4.5°	2453.2	2453.9	2455.1	2455.5	*2455.8*	2455.0
5°	2450.5	2451.2	2452.5	2453.1	*2453.6*	2452.4
5.5°	2447.5	2448.3	2449.6	2450.5	*2450.9*	2449.7
6°	2444.0	2444.9	2446.7	2447.5	*2447.5*	2446.4
6.5°	2440.4	2441.5	2443.3	2444.3	*2444.1*	2443.0
7°	2436.5	2437.3	2439.4	2440.5	*2440.5*	2439.3
7.5°	2431.9	2433.2	2435.2	2436.6	*2436.4*	2435.3
8°	2427.2	2428.4	2430.9	2432.3	*2432.3*	2431.1
8.5°	2422.3	2423.4	2425.7	2427.3	*2427.7*	2426.1
9°	2417.1	2418.3	2421.1	2422.4	*2422.9*	2421.3
9.5°	2411.8	2412.7	2415.5	2417.4	*2417.6*	2416.1
10°	2406.1	2407.0	2409.9	2411.7	*2412.2*	2410.8
10.5°	2400.0	2400.9	2404.0	2406.4	*2406.5*	2404.6
11°	2393.4	2394.7	2397.8	2399.9	*2400.1*	2398.6
11.5°	2386.6	2388.0	2391.0	2393.2	*2393.5*	2392.2
12°	2379.5	2380.9	2384.1	2386.5	*2386.7*	2385.4
12.5°	2372.3	2373.6	2376.9	2379.4	*2379.6*	2378.3
13°	2364.4	2365.9	2369.7	2371.9	*2372.5*	2371.2
13.5°	2356.6	2358.5	2361.8	2364.1	*2364.9*	2363.2
14°	2348.5	2349.9	2353.6	2355.8	*2357.0*	2355.2
14.5°	2339.8	2341.4	2345.1	2347.8	*2348.9*	2347.0
15°	2330.9	2332.7	2336.2	2339.2	*2340.2*	2338.3
15.5°	2321.8	2323.5	2326.8	2330.3	*2331.2*	2329.3
16°	2312.4	2314.1	2317.8	2320.9	*2322.0*	2320.2
16.5°	2302.7	2304.2	2308.1	2311.5	*2313.0*	2310.9
17°	2292.6	2294.1	2297.9	2301.9	*2303.2*	2301.2
17.5°	2282.4	2283.4	2288.0	2291.8	*2292.9*	2291.1
18°	2271.4	2273.0	2277.3	2280.6	*2282.3*	2281.0
18.5°	2260.8	2261.9	2266.5	2269.8	*2271.8*	2270.0
19°	2249.3	2250.8	2255.5	2259.2	*2260.9*	2259.1
19.5°	2237.8	2239.2	2243.5	2247.5	*2249.7*	2247.7
20°	2226.1	2227.5	2232.0	2236.1	*2238.1*	2236.8
20.5°	2213.8	2215.2	2219.9	2224.2	*2226.2*	2224.4
21°	2201.0	2202.6	2207.4	2211.9	*2214.2*	2212.2
21.5°	2188.6	2190.1	2194.6	2199.5	*2201.6*	2199.7
22°	2175.6	2176.8	2181.7	2186.6	*2189.0*	2187.4

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	2162.6	2163.7	2168.5	2173.6	*2176.0*	2174.4
23°	2149.0	2149.8	2155.3	2160.2	*2163.0*	2161.1
23.5°	2135.5	2135.9	2141.2	2146.3	*2149.5*	2147.8
24°	2121.5	2121.9	2127.6	2132.5	*2135.7*	2134.0
24.5°	2106.9	2107.6	2112.8	2118.0	*2121.1*	2119.9
25°	2092.1	2092.5	2098.3	2104.0	*2107.1*	2105.8
25.5°	2077.6	2077.6	2083.4	2089.3	*2092.5*	2091.5
26°	2062.5	2062.9	2068.5	2074.4	*2077.8*	2076.6
26.5°	2047.1	2047.4	2052.7	2058.7	*2062.7*	2061.2
27°	2031.1	2031.5	2037.3	2043.8	*2047.1*	2046.1
27.5°	2015.4	2015.7	2021.3	2027.9	*2031.4*	2030.7
28°	1999.5	1999.2	2005.1	2011.8	*2015.9*	2015.0
28.5°	1983.1	1982.8	1988.4	1995.6	*1999.9*	1998.6
29°	1966.6	1966.2	1972.0	1979.2	*1983.8*	1982.4
29.5°	1949.7	1949.3	1954.9	1962.4	*1967.0*	1966.0
30°	1933.0	1932.6	1937.9	1945.4	*1950.4*	1949.4
30.5°	1915.8	1915.0	1920.5	1928.4	*1933.3*	1932.1
31°	1898.5	1897.2	1902.7	1910.6	*1916.0*	1915.2
31.5°	1880.6	1879.5	1884.9	1892.9	*1898.6*	1897.8
32°	1862.6	1861.9	1867.0	1875.3	*1880.8*	1880.6
32.5°	1844.8	1843.2	1848.7	1857.6	*1863.1*	1862.6
33°	1826.6	1824.8	1830.4	1839.1	*1845.1*	1844.4
33.5°	1808.1	1806.2	1811.9	1820.3	*1826.9*	1826.4
34°	1789.2	1787.4	1793.3	1801.8	*1808.3*	1808.3
34.5°	1770.6	1768.0	1773.6	1782.8	*1789.1*	1789.4
35°	1751.3	1749.0	1754.2	1763.5	*1770.2*	1770.4
35.5°	1732.1	1729.3	1735.0	1744.5	*1751.3*	1751.3
36°	1712.9	1709.6	1715.3	1724.6	*1732.1*	1732.3
36.5°	1693.0	1689.7	1695.6	1704.8	*1712.0*	1712.8
37°	1672.4	1669.7	1675.1	1684.9	*1692.3*	1693.3
37.5°	1652.8	1648.9	1654.7	1665.0	*1672.5*	1673.6
38°	1632.3	1628.4	1634.3	1644.6	*1652.4*	1653.1
38.5°	1612.1	1607.7	1613.8	1623.7	*1631.9*	1633.0
39°	1591.7	1587.2	1592.8	1603.6	*1611.7*	1612.9
39.5°	1571.0	1566.2	1571.7	1582.3	*1591.1*	1592.4
40°	1550.0	1544.5	1550.3	1561.4	*1570.4*	1571.5
40.5°	1529.3	1523.4	1529.2	1540.1	*1549.1*	1550.4
41°	1507.6	1502.2	1507.4	1518.5	*1528.1*	1529.4
41.5°	1486.1	1479.9	1485.6	1497.1	*1507.1*	1508.1
42°	1464.0	1458.2	1463.5	1474.7	*1484.4*	1485.2
42.5°	1440.8	1434.3	1440.1	1451.6	*1460.9*	1462.2
43°	1416.9	1409.7	1415.1	1427.1	*1435.9*	1437.1
43.5°	1392.2	1384.1	1390.2	1401.7	*1411.2*	1412.1
44°	1366.5	1358.9	1364.2	1376.2	*1385.2*	1386.1
44.5°	1341.0	1333.0	1338.2	1350.3	*1359.7*	1361.1

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1315.0	1306.0	1311.6	1323.6	*1332.8*	1334.3
45.5°	1288.8	1279.4	1285.2	1297.1	*1306.9*	1308.1
46°	1262.4	1252.9	1257.9	1270.2	*1279.9*	1281.4
46.5°	1235.3	1225.8	1231.1	1243.2	*1253.4*	1254.4
47°	1208.3	1198.8	1203.1	1215.2	*1226.0*	1227.1
47.5°	1180.8	1170.3	1175.7	1188.6	*1198.8*	1200.2
48°	1154.0	1143.8	1147.9	1160.9	*1171.4*	1173.1
48.5°	1127.2	1116.1	1120.8	1133.3	*1144.9*	1146.1
49°	1099.9	1088.6	1093.5	1106.2	*1117.7*	1119.3
49.5°	1072.4	1062.2	1065.9	1079.2	*1090.3*	1092.3
50°	1045.0	1034.0	1037.5	1050.7	*1062.3*	1064.6
50.5°	1018.0	1006.8	1010.8	1023.5	*1035.8*	1037.7
51°	991.3	979.1	983.7	996.5	*1009.1*	1010.9
51.5°	964.0	952.9	956.7	969.6	*982.3*	984.5
52°	937.5	925.7	929.9	942.4	*955.2*	958.1
52.5°	911.1	899.4	903.5	916.3	*928.9*	931.2
53°	884.4	872.7	876.9	889.1	*902.5*	905.2
53.5°	857.8	846.4	850.7	862.7	*876.1*	878.9
54°	831.9	819.7	824.5	836.3	*849.3*	852.7
54.5°	806.1	795.1	798.9	811.0	*823.8*	827.4
55°	780.9	769.8	773.5	785.0	*797.8*	801.8
55.5°	755.6	743.8	748.2	759.5	*772.9*	775.9
56°	731.4	718.9	723.3	734.6	*746.8*	751.2
56.5°	707.2	694.6	698.8	709.7	*722.3*	726.4
57°	683.0	670.5	674.1	685.3	*696.7*	701.5
57.5°	658.8	646.6	649.9	660.5	*673.0*	677.4
58°	634.6	622.8	626.5	636.6	*649.1*	653.1
58.5°	610.8	599.5	603.3	613.0	*625.4*	629.5
59°	587.5	576.5	579.7	589.5	*601.2*	605.9
59.5°	564.5	554.1	557.3	566.8	*578.0*	582.7
60°	542.2	531.5	535.0	543.8	*555.1*	559.9
60.5°	519.5	509.7	512.9	521.5	*532.6*	537.0
61°	497.5	488.2	491.5	499.5	*509.8*	514.8
61.5°	476.0	467.2	470.0	478.2	*488.2*	492.8
62°	455.4	446.9	449.2	457.1	*466.7*	471.8
62.5°	434.3	425.8	428.7	435.9	*445.0*	450.1
63°	414.0	405.9	408.7	415.4	*424.8*	429.1
63.5°	393.7	386.3	389.0	395.5	*404.2*	407.8
64°	374.4	367.2	369.2	375.9	*383.7*	386.6
64.5°	355.0	348.5	350.7	356.4	*364.1*	365.2
65°	336.4	329.5	332.8	338.1	*345.2*	345.1
65.5°	318.1	311.9	315.3	320.4	*324.2*	326.8
66°	300.1	294.4	297.8	302.6	*306.4*	306.9
66.5°	282.3	276.9	280.4	284.9	*288.6*	287.0
67°	265.5	259.3	262.9	267.2	*270.7*	267.2

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	249.1	243.3	245.4	249.6	*252.9*	247.4
68°	233.1	227.5	229.4	233.6	*236.4*	230.4
68.5°	217.6	212.1	214.3	217.8	*220.0*	213.9
69°	202.5	197.6	199.5	203.1	*203.8*	198.0
69.5°	188.1	183.4	185.2	188.4	*188.6*	182.4
70°	174.2	169.8	171.8	175.1	*174.4*	167.8
70.5°	161.1	156.6	158.5	161.6	*160.7*	154.0
71°	148.5	144.3	146.4	148.9	*147.6*	140.9
71.5°	136.4	132.5	134.4	136.9	*135.7*	128.3
72°	125.1	121.6	123.4	125.7	*124.1*	116.3
72.5°	114.8	111.2	113.0	115.2	*113.5*	104.7
73°	104.9	101.6	103.4	105.2	*103.4*	94.6
73.5°	96.0	92.8	94.4	96.0	*94.2*	85.6
74°	89.7	85.3	86.4	87.9	*86.0*	78.2
74.5°	83.4	78.3	79.2	80.4	*78.5*	72.6
75°	77.0	72.5	73.0	73.9	*72.0*	67.2
75.5°	70.7	67.3	67.8	68.1	*66.4*	63.5
76°	64.4	63.5	63.7	63.7	*61.8*	60.3
76.5°	61.2	60.4	60.7	60.6	*58.5*	57.2
77°	58.3	57.5	57.8	57.7	*55.5*	54.3
77.5°	55.4	54.7	54.9	54.7	*52.6*	51.3
78°	52.6	51.9	52.1	51.9	*49.7*	48.5
78.5°	49.8	49.1	49.3	49.1	*46.9*	45.6
79°	47.1	46.4	46.6	46.4	*44.0*	42.9
79.5°	44.5	43.7	43.9	43.6	*41.3*	40.2
80°	41.8	41.0	41.3	40.9	*38.5*	37.4
80.5°	39.2	38.5	38.7	38.3	*36.0*	34.9
81°	36.7	36.0	36.2	35.7	*33.4*	32.8
81.5°	34.3	33.5	33.6	33.1	*30.9*	30.2
82°	31.7	31.1	31.3	30.7	*28.4*	27.7
82.5°	29.4	28.8	28.9	28.3	*25.9*	25.1
83°	27.0	26.4	26.5	25.9	*23.4*	22.5
83.5°	24.7	24.0	24.1	23.5	*21.0*	20.2
84°	22.3	21.7	21.8	21.2	*18.6*	17.8
84.5°	20.1	19.4	19.5	19.0	*16.4*	15.6
85°	17.9	17.2	17.3	16.8	*14.3*	13.4
85.5°	15.7	15.0	15.1	14.7	*12.3*	11.3
86°	13.5	12.9	13.0	12.6	*10.4*	9.6
86.5°	11.5	10.8	10.9	10.6	*8.6*	7.9
87°	9.5	8.7	8.8	8.6	*7.0*	6.4
87.5°	7.4	6.7	6.8	6.7	*5.5*	5.0
88°	5.4	4.7	4.8	4.8	*4.0*	3.6
88.5°	3.4	2.8	2.9	3.0	*3.3*	2.8
89°	1.5	2.1	2.2	2.3	*2.5*	1.9
89.5°	0.3	1.4	1.6	1.6	*1.8*	1.1

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

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	0.2
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	0.2	0.2	0.2	0.2	0.3
98.5°	0.2	0.3	0.2	0.2	0.2	0.3
99°	0.2	0.3	0.3	0.2	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	0.3
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	0.3	0.3	0.3	0.3	0.4
107°	0.2	0.4	0.3	0.3	0.4	0.4
107.5°	0.2	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	0.4
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: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.3	0.4	0.4	0.4	0.4	0.5
113°	0.3	0.4	0.4	0.4	0.5	0.5
113.5°	0.3	0.5	0.4	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	0.5
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	0.5	0.5	0.5	0.5	0.6
118.5°	0.4	0.6	0.5	0.5	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	0.6
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	0.6	0.7
123°	0.5	0.6	0.6	0.6	0.7	0.7
123.5°	0.6	0.7	0.6	0.6	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	0.7
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	0.7	0.8
127.5°	0.6	0.7	0.7	0.7	0.8	0.8
128°	0.7	0.8	0.7	0.7	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	0.8
131°	0.7	0.8	0.8	0.8	0.8	0.8
131.5°	0.7	0.8	0.8	0.8	0.8	0.9
132°	0.8	0.9	0.8	0.8	0.9	0.9
132.5°	0.8	0.9	0.8	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: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.8	0.9	0.9	0.9	0.9	0.9
135.5°	0.9	0.9	0.9	0.9	0.9	0.9
136°	0.9	0.9	0.9	0.9	0.9	0.9
136.5°	0.9	0.9	0.9	0.9	0.9	1.0
137°	0.9	1.0	0.9	0.9	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°	0.9	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	1.0
142°	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.1
143°	1.1	1.0	1.0	1.0	1.0	1.1
143.5°	1.1	1.1	1.0	1.0	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°	1.1	1.1	1.1	1.1	1.1	1.1
147°	1.2	1.1	1.1	1.1	1.1	1.1
147.5°	1.2	1.1	1.1	1.1	1.1	1.1
148°	1.2	1.1	1.1	1.1	1.1	1.1
148.5°	1.2	1.1	1.1	1.1	1.1	1.2
149°	1.2	1.1	1.1	1.1	1.1	1.2
149.5°	1.2	1.1	1.1	1.1	1.2	1.2
150°	1.2	1.1	1.1	1.1	1.2	1.2
150.5°	1.2	1.1	1.1	1.2	1.2	1.2
151°	1.2	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°	1.3	1.2	1.2	1.2	1.2	1.2
155°	1.3	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	1.2
156.5°	1.4	1.2	1.2	1.2	1.2	1.2
157°	1.4	1.2	1.2	1.2	1.2	1.2

TEST NUMBER: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.4	1.2	1.2	1.2	1.2	1.2
158°	1.4	1.2	1.2	1.2	1.2	1.2
158.5°	1.4	1.2	1.2	1.2	1.2	1.2
159°	1.4	1.2	1.2	1.2	1.2	1.2
159.5°	1.4	1.2	1.2	1.2	1.2	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	1.2	1.3	1.3
161.5°	1.5	1.2	1.2	1.2	1.3	1.3
162°	1.5	1.2	1.2	1.2	1.3	1.3
162.5°	1.5	1.2	1.2	1.2	1.3	1.3
163°	1.5	1.2	1.2	1.2	1.3	1.3
163.5°	1.5	1.2	1.2	1.2	1.3	1.3
164°	1.5	1.2	1.2	1.2	1.3	1.3
164.5°	1.5	1.2	1.2	1.2	1.3	1.3
165°	1.5	1.2	1.2	1.2	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	1.2	1.3	1.3	1.3
167°	1.5	1.2	1.2	1.3	1.3	1.3
167.5°	1.5	1.2	1.2	1.3	1.3	1.3
168°	1.5	1.2	1.2	1.3	1.3	1.3
168.5°	1.5	1.2	1.2	1.3	1.3	1.3
169°	1.5	1.2	1.3	1.3	1.3	1.3
169.5°	1.5	1.2	1.3	1.3	1.3	1.3
170°	1.5	1.2	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	1.3	1.3
173.5°	1.5	1.3	1.3	1.3	1.3	1.3
174°	1.5	1.3	1.3	1.3	1.3	1.3
174.5°	1.5	1.3	1.3	1.3	1.3	1.3
175°	1.5	1.3	1.3	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°	1.5	1.4	1.4	1.4	1.4	1.4
177°	1.5	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	1.4	1.4
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: P640232
CATALOG NUMBER: LCR850RD9FSE010-50W-6500K

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)