

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: P640143

Luminaire Tested: LCR621RD9FSE020-23W-2700K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2208386A001)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: LCR621RD9FSE020-23W-2700K
Description: LCR 6
Light Source: 2700K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

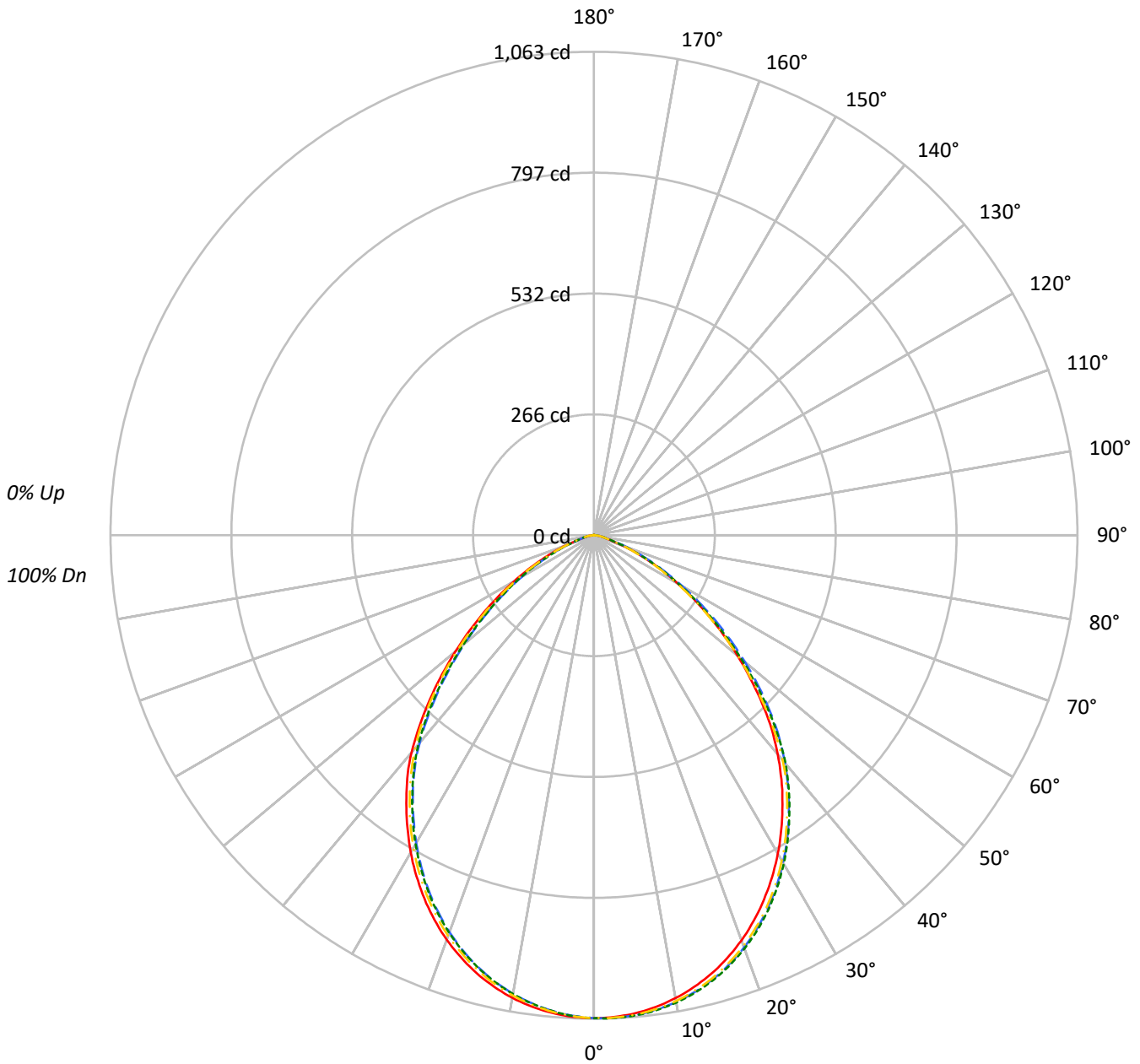
Lumens per Lamp: N/A
Luminaire Lumens: 2075.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 22.8
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



— 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	100	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88	88	88	88
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77	77	77	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68	68	68	68
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60	60	60	60
5	82	70	63	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53	53	53	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47	47	47	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	42	42	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38	38	38	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	36	35	35	35	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32	32	32	32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	58203	58203	58203	58203
5°	58040	58309	58023	57792
10°	57520	58071	57492	57019
15°	56641	57463	56561	55863
20°	55311	56425	55194	54278
25°	53477	54904	53338	52195
30°	51179	52825	50970	49647
35°	48365	50139	48138	46605
40°	44970	46888	44641	42966
45°	40555	41981	39531	37818
50°	35112	36059	33909	32025
55°	29418	29934	28118	26169
60°	23474	23781	22301	20437
65°	17382	17615	16474	14826
70°	11076	11540	10563	9649
75°	6651	6714	6015	6354
80°	5493	5746	4925	5304
85°	4088	4969	3334	4088

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 42539 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	4.8
10°-20°	280.8	13.5
20°-30°	406.3	19.6
30°-40°	450.4	21.7
40°-50°	396.5	19.1
50°-60°	266.5	12.8
60°-70°	128.3	6.2
70°-80°	36.7	1.8
80°-90°	7.9	0.4
90°-100°	0.1	0.0
100°-110°	0.1	0.0
110°-120°	0.2	0.0
120°-130°	0.2	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	787.1	37.9
0°-40°	1237.5	59.6
0°-60°	1900.5	91.6
0°-90°	2073.4	99.9
90°-120°	0.4	0.0
90°-150°	1.2	0.1
90°-180°	2.0	0.1
0°-180°	2075.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1062	1062	1062	1062	1062	
5°	1055	1060	1054	1050	1055	100
15°	998	1012	997	984	998	281
25°	884	908	882	863	884	406
35°	723	749	719	696	723	451
45°	523	542	510	488	523	402
55°	308	313	294	274	308	276
65°	134	136	127	114	134	135
75°	31	32	28	30	31	37
85°	6	8	5	6	6	8
90°	0	0	0	0	0	0
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°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	1	1	0	0	0
165°	0	1	1	0	0	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°	1061.7	1061.7	1061.7	1061.7	1061.7	1061.7	1061.7	1061.7	1061.7	1061.7	1061.7
0.5°	1061.7	1062.0	1062.2	1062.3	1062.1	1062.1	1061.7	1061.7	1061.5	1061.4	1061.1
1°	1061.5	1061.8	1062.3	1062.7	1062.6	1062.3	1061.9	1061.6	1061.4	1060.8	1060.4
1.5°	1061.0	1061.6	1062.3	1062.7	1062.7	1062.3	1062.1	1061.5	1060.9	1060.2	1059.5
2°	1060.6	1061.2	1062.3	1062.7	1062.7	1062.2	1061.9	1061.1	1060.4	1059.6	1058.4
2.5°	1059.8	1060.8	1062.1	1062.7	1062.5	1062.1	1061.5	1060.8	1059.8	1058.8	1057.5
3°	1059.0	1060.2	1061.8	1062.4	1062.2	1061.6	1061.1	1060.2	1059.0	1057.9	1056.3
3.5°	1058.1	1059.4	1061.2	1061.9	1061.8	1061.0	1060.4	1059.5	1058.1	1057.0	1055.0
4°	1057.2	1058.4	1060.6	1061.4	1061.2	1060.4	1059.6	1058.4	1057.1	1055.8	1053.4
4.5°	1056.2	1057.4	1059.7	1060.8	1060.3	1059.8	1058.7	1057.3	1055.7	1054.2	1051.7
5°	1054.7	1056.3	1058.7	1059.9	1059.6	1059.0	1057.6	1056.1	1054.4	1052.6	1049.9
5.5°	1053.2	1055.0	1057.8	1059.1	1058.6	1058.1	1056.5	1054.8	1052.8	1050.9	1047.9
6°	1051.6	1053.5	1056.8	1058.0	1057.5	1057.0	1055.3	1053.4	1051.1	1049.0	1045.8
6.5°	1049.8	1052.0	1055.2	1056.9	1056.3	1055.6	1053.9	1051.9	1049.4	1047.0	1043.5
7°	1047.9	1050.2	1053.7	1055.4	1054.9	1054.1	1052.3	1050.1	1047.5	1044.8	1041.1
7.5°	1045.9	1048.1	1052.0	1053.9	1053.2	1052.4	1050.7	1048.2	1045.4	1042.5	1038.5
8°	1043.6	1046.1	1050.4	1052.2	1051.5	1050.7	1048.7	1046.1	1043.1	1040.2	1035.8
8.5°	1041.3	1043.8	1048.5	1050.4	1049.4	1048.6	1046.6	1043.8	1040.8	1037.6	1033.0
9°	1038.7	1041.4	1046.4	1048.4	1047.4	1046.6	1044.4	1041.6	1038.2	1035.0	1030.1
9.5°	1036.0	1039.1	1044.0	1046.2	1045.6	1044.4	1042.2	1039.2	1035.7	1032.0	1027.1
10°	1033.3	1036.4	1041.8	1044.1	1043.2	1042.3	1039.9	1036.5	1032.8	1029.1	1023.8
10.5°	1030.5	1033.6	1039.4	1041.6	1040.9	1040.0	1037.3	1033.7	1029.8	1026.0	1020.3
11°	1027.3	1030.7	1036.9	1039.1	1038.3	1037.2	1034.6	1030.7	1026.6	1022.7	1016.7
11.5°	1024.2	1027.6	1034.1	1036.3	1035.7	1034.6	1031.6	1027.6	1023.2	1019.5	1013.0
12°	1020.7	1024.5	1031.1	1033.6	1032.8	1031.6	1028.5	1024.6	1019.9	1015.9	1009.3
12.5°	1017.4	1021.1	1028.1	1030.6	1029.9	1028.5	1025.4	1021.1	1016.4	1012.4	1005.4
13°	1013.8	1017.7	1025.0	1027.5	1026.6	1025.3	1022.3	1017.8	1012.8	1008.6	1001.3
13.5°	1009.8	1013.9	1021.6	1024.4	1023.5	1022.0	1018.9	1014.1	1009.2	1004.4	997.0
14°	1006.1	1010.1	1018.1	1021.0	1019.9	1018.7	1015.3	1010.3	1005.1	1000.2	992.6
14.5°	1002.0	1006.1	1014.4	1017.5	1016.1	1015.0	1011.6	1006.6	1001.0	996.0	987.9
15°	998.0	1002.1	1010.6	1013.9	1012.5	1011.4	1007.8	1002.6	996.6	991.5	983.1
15.5°	993.6	997.9	1006.8	1010.1	1008.8	1007.6	1003.7	998.4	992.2	987.0	978.4
16°	989.1	993.6	1002.8	1006.0	1004.8	1003.5	999.3	993.9	987.6	982.1	973.5
16.5°	984.5	989.0	998.5	1001.8	1000.7	999.0	995.0	989.4	982.9	977.3	968.3
17°	979.5	984.5	993.9	997.6	996.3	994.8	990.7	984.8	978.2	972.2	962.9
17.5°	974.5	979.6	989.3	993.1	991.9	990.2	986.0	980.0	973.1	967.1	957.4
18°	969.5	974.7	984.8	988.5	987.1	985.5	981.3	975.0	968.0	961.9	951.9
18.5°	964.3	969.7	980.0	983.9	982.4	980.7	976.5	969.9	962.7	956.5	946.5
19°	959.0	964.5	974.9	979.1	977.5	976.0	971.5	964.7	957.3	950.7	940.6
19.5°	953.5	959.0	969.9	974.1	972.6	970.9	966.3	959.3	951.7	945.2	934.6
20°	948.1	953.6	964.6	969.0	967.2	965.8	961.0	953.8	946.1	939.4	928.5
20.5°	942.3	948.1	959.2	963.7	961.9	960.2	955.5	948.3	940.4	933.3	922.1
21°	936.3	942.3	953.8	958.2	956.3	954.6	950.1	942.5	934.5	927.0	915.7
21.5°	930.2	936.2	948.1	952.6	950.8	949.1	944.2	936.6	928.3	920.9	909.3
22°	923.9	930.2	942.3	947.0	945.2	943.5	938.3	930.4	921.9	914.4	902.8



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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°	917.6	923.9	936.3	941.2	939.5	937.5	932.3	924.0	915.5	907.9	895.9
23°	911.2	917.5	930.2	935.2	933.4	931.5	926.4	917.9	908.9	901.2	889.3
23.5°	904.6	911.1	924.0	929.0	927.2	925.4	919.8	911.5	902.4	894.6	882.1
24°	897.9	904.5	917.7	922.7	920.7	919.1	913.3	905.0	895.7	887.8	875.1
24.5°	891.0	897.8	911.0	916.3	914.2	912.4	906.9	898.2	888.9	880.8	867.7
25°	884.1	891.0	904.3	909.4	907.7	905.8	900.4	891.2	881.8	873.5	860.6
25.5°	876.9	884.1	897.7	902.8	900.9	899.0	893.4	884.4	874.6	866.1	853.1
26°	869.9	876.9	890.7	896.1	894.0	892.2	886.4	877.4	867.3	858.7	845.6
26.5°	862.6	869.6	883.7	889.3	887.3	885.1	879.3	870.0	860.0	851.4	837.9
27°	855.2	862.5	876.6	882.1	879.9	878.0	872.2	862.6	852.3	843.6	830.1
27.5°	847.6	854.9	869.4	875.0	872.5	870.8	864.7	855.2	844.9	836.0	822.2
28°	840.2	847.6	862.0	867.5	865.2	863.3	857.1	847.6	837.4	828.2	814.1
28.5°	832.0	840.0	854.6	860.0	857.6	855.7	849.6	840.0	829.5	820.4	806.2
29°	824.6	832.1	847.1	852.3	850.0	848.3	842.1	832.1	821.7	812.2	798.0
29.5°	816.5	824.1	839.2	844.8	842.2	840.4	834.1	824.3	813.4	804.3	789.5
30°	808.5	816.2	831.2	836.9	834.5	832.5	826.1	816.1	805.2	795.8	781.2
30.5°	800.4	808.2	823.5	829.1	826.4	824.4	817.9	808.0	797.1	787.6	772.7
31°	792.2	799.9	815.5	820.9	818.2	816.5	810.1	799.5	788.6	779.0	764.3
31.5°	783.9	791.7	807.0	812.8	809.8	808.0	801.6	791.3	780.2	770.6	755.6
32°	775.4	783.4	798.7	804.3	801.4	799.6	793.1	782.7	771.5	762.0	747.0
32.5°	766.8	774.8	790.5	795.8	793.0	791.0	784.7	774.4	763.3	753.3	738.4
33°	758.2	766.3	782.3	787.5	784.4	782.7	775.8	765.6	754.3	744.6	729.6
33.5°	749.4	757.6	773.7	778.6	775.4	773.8	767.2	756.9	745.8	736.1	720.8
34°	740.7	748.9	765.0	769.8	766.9	765.0	758.3	748.2	737.0	727.2	712.0
34.5°	731.6	740.0	756.0	761.1	757.9	755.8	749.4	739.4	728.3	718.0	703.1
35°	722.7	730.9	747.0	752.0	749.2	746.9	740.7	730.6	719.3	708.9	694.3
35.5°	713.7	721.7	738.0	743.0	740.0	738.1	731.7	721.6	710.3	699.7	685.4
36°	704.8	712.7	729.1	734.1	731.3	729.2	722.5	712.5	701.4	690.6	676.3
36.5°	695.8	703.6	720.0	725.1	722.0	719.9	713.4	703.5	692.4	682.7	666.6
37°	686.4	694.4	710.8	715.8	712.7	710.6	704.2	694.5	683.4	673.3	657.0
37.5°	677.1	684.7	701.7	706.4	703.4	701.4	695.1	685.4	674.0	663.8	647.2
38°	667.4	675.0	692.3	696.9	694.1	692.1	685.9	676.0	664.6	654.1	637.4
38.5°	657.9	665.5	682.6	687.3	684.8	682.8	676.4	666.3	655.2	644.3	627.6
39°	648.4	656.1	672.8	677.5	675.2	673.1	666.4	656.3	644.9	634.7	617.9
39.5°	638.2	646.3	663.0	668.0	665.4	662.8	656.0	645.6	634.7	624.7	607.2
40°	628.4	636.3	653.3	657.8	655.2	652.2	645.0	635.0	623.8	614.1	596.5
40.5°	618.5	626.7	643.4	648.0	644.6	641.3	634.0	623.7	613.0	603.0	585.5
41°	608.6	616.5	633.5	638.1	633.9	630.2	622.8	612.6	601.6	591.9	574.5
41.5°	598.6	606.7	623.6	627.6	622.8	618.9	611.4	601.4	590.3	580.6	562.9
42°	588.8	596.8	613.2	617.0	611.6	607.4	600.0	590.0	578.8	569.3	551.6
42.5°	578.4	586.1	602.8	605.8	600.3	595.5	588.7	578.4	567.5	557.9	540.2
43°	567.7	575.3	592.1	594.8	588.5	583.9	576.7	567.0	556.1	546.6	528.8
43.5°	556.8	564.4	581.1	583.4	576.8	572.2	565.2	555.5	544.6	534.9	517.1
44°	545.4	553.1	569.7	571.9	565.1	560.3	553.5	543.9	532.8	523.3	505.6
44.5°	534.5	542.3	558.3	560.4	553.3	548.4	541.8	532.2	521.4	511.9	494.1



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CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	523.1	531.0	547.4	548.7	541.5	536.6	530.0	520.6	509.9	500.6	482.7
45.5°	512.1	519.9	536.1	537.1	529.5	524.7	518.2	509.0	498.5	488.9	471.2
46°	500.8	508.6	524.9	525.5	517.6	512.8	506.4	497.3	487.1	477.6	459.8
46.5°	489.3	497.3	513.4	513.6	505.7	500.9	494.8	485.9	475.5	466.2	448.3
47°	478.1	486.0	501.8	501.7	493.8	488.8	483.1	474.3	464.1	454.8	437.0
47.5°	467.1	474.8	490.4	490.0	481.7	476.8	471.1	462.7	452.8	443.5	426.0
48°	455.9	463.8	479.1	478.3	469.8	464.9	459.4	451.5	441.6	432.2	414.6
48.5°	444.9	452.7	467.7	466.7	458.1	453.3	448.0	440.2	430.3	421.3	403.7
49°	433.7	441.5	456.3	455.2	446.2	441.6	436.5	428.8	419.3	410.4	392.6
49.5°	422.8	430.6	445.0	443.4	434.5	430.0	425.1	417.9	408.3	399.4	382.0
50°	411.7	419.3	433.7	432.0	422.8	418.3	413.5	406.5	397.6	388.7	371.0
50.5°	401.0	408.4	422.2	420.4	411.3	406.9	402.2	395.4	386.9	377.8	360.4
51°	390.0	397.3	411.0	409.1	399.9	395.6	390.9	384.7	375.7	367.2	349.9
51.5°	379.5	386.7	400.0	397.8	388.8	384.4	379.9	373.8	365.2	356.9	339.5
52°	368.9	376.1	388.9	386.9	377.7	373.3	368.7	363.2	355.0	346.4	329.0
52.5°	358.5	365.3	378.0	375.6	366.4	362.1	357.7	352.2	344.2	336.1	319.1
53°	348.0	354.4	367.3	364.6	355.5	351.3	347.0	341.8	334.0	325.9	309.0
53.5°	337.9	344.8	356.2	353.4	344.7	340.7	336.3	331.2	323.8	315.9	299.1
54°	327.9	334.5	345.9	341.0	334.0	329.8	325.9	320.9	314.0	305.8	289.3
54.5°	317.8	324.1	335.4	331.0	323.5	319.4	315.2	310.5	303.9	296.1	280.1
55°	307.8	313.8	324.9	321.0	313.2	309.0	305.1	300.9	294.2	286.5	270.1
55.5°	297.7	303.5	314.4	310.9	302.9	298.9	295.0	290.7	284.5	276.9	260.9
56°	287.7	293.2	303.9	300.9	292.7	288.6	284.9	281.0	275.0	267.4	251.7
56.5°	278.1	283.4	293.4	290.8	282.8	278.6	275.1	271.3	265.4	258.1	242.7
57°	268.6	273.6	283.4	280.8	272.8	268.8	265.1	261.7	256.1	249.0	233.7
57.5°	259.2	263.9	273.4	270.8	263.2	259.2	255.6	252.2	247.1	240.1	225.0
58°	250.0	254.5	263.5	261.1	253.5	249.6	246.2	243.2	238.1	231.1	216.5
58.5°	240.8	245.1	254.1	251.7	244.3	240.3	237.0	234.0	229.2	222.5	208.1
59°	231.7	235.9	244.4	242.2	234.9	231.1	227.8	225.0	220.5	214.0	199.6
59.5°	222.9	226.8	235.0	233.0	225.9	222.0	218.7	216.1	211.9	205.5	191.5
60°	214.1	217.7	225.6	223.8	216.9	213.0	209.9	207.3	203.4	197.2	183.6
60.5°	205.5	208.8	216.7	214.8	208.1	204.3	201.2	198.9	195.1	189.0	176.0
61°	197.0	200.1	207.6	205.9	199.3	195.8	192.9	190.6	186.9	181.2	168.2
61.5°	188.6	191.7	198.9	197.3	191.1	187.4	184.5	182.4	178.9	173.4	160.6
62°	180.4	183.0	190.2	188.9	182.6	179.3	176.2	174.2	171.2	165.8	153.3
62.5°	172.3	174.7	181.9	180.4	174.4	171.1	168.2	166.3	163.4	158.2	146.1
63°	164.3	166.7	173.7	172.3	166.1	163.1	160.4	158.5	155.7	150.8	139.2
63.5°	156.5	158.7	165.6	164.2	158.4	155.2	152.6	150.9	148.3	143.6	132.4
64°	148.7	150.9	157.4	156.3	150.7	147.7	145.2	143.6	141.0	136.7	125.7
64.5°	141.2	143.2	149.8	148.5	143.2	140.3	137.7	136.2	134.0	129.8	119.2
65°	134.0	135.7	142.2	141.0	135.8	132.9	130.7	129.1	127.0	123.0	113.1
65.5°	126.8	128.2	134.9	133.7	128.5	125.8	123.6	122.2	120.3	116.5	106.8
66°	119.6	121.2	127.5	126.5	121.4	118.9	116.8	115.5	113.6	110.2	100.9
66.5°	112.7	114.3	120.4	119.4	114.6	112.1	110.2	108.9	107.2	104.0	95.1
67°	105.9	107.4	113.6	112.6	107.8	105.6	103.8	102.4	100.8	98.0	89.6



TEST NUMBER: P640143

CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	99.3	100.8	107.0	105.9	101.4	99.1	97.5	96.3	94.8	92.1	84.5
68°	93.2	94.6	100.4	99.4	95.0	93.0	91.6	90.4	89.0	86.8	79.4
68.5°	86.9	88.3	94.3	93.2	89.2	87.4	86.0	84.9	83.2	81.5	74.2
69°	80.8	82.4	88.2	87.2	83.5	81.8	80.4	79.3	77.4	76.2	69.1
69.5°	74.7	76.6	82.4	81.4	77.8	76.2	74.9	73.8	71.6	70.9	64.3
70°	69.1	71.2	76.6	75.6	72.0	70.6	69.3	68.3	65.9	65.6	60.0
70.5°	63.4	65.8	71.4	70.3	66.3	65.1	64.2	63.4	60.8	60.9	55.7
71°	58.4	60.8	66.1	65.2	61.3	60.3	59.5	58.5	55.8	56.4	51.6
71.5°	53.4	56.0	61.3	60.3	56.5	55.6	55.0	53.9	51.4	52.2	47.7
72°	49.0	51.5	56.6	55.6	52.1	51.1	50.7	49.5	47.1	48.1	44.2
72.5°	44.8	47.3	52.3	51.2	47.8	47.0	46.6	45.6	43.4	44.3	40.8
73°	41.2	43.5	48.2	47.2	43.9	43.2	42.9	41.8	39.8	40.9	37.6
73.5°	38.0	40.1	44.5	43.5	40.3	39.6	39.5	38.4	36.5	37.7	34.7
74°	34.9	37.0	40.9	40.0	37.1	36.5	36.3	35.3	33.6	34.7	32.2
74.5°	33.1	34.2	37.7	36.9	34.3	33.6	33.5	32.6	30.9	32.0	29.7
75°	31.4	32.4	34.8	33.9	31.7	31.1	30.9	30.0	28.4	29.5	27.6
75.5°	29.6	30.6	32.9	32.0	29.5	28.9	28.6	27.8	26.9	27.3	25.8
76°	27.9	28.7	31.0	30.2	27.9	27.2	26.6	25.7	25.2	25.2	24.5
76.5°	26.1	26.9	29.2	28.3	26.6	26.0	25.3	24.2	23.7	23.7	23.3
77°	24.9	25.1	27.3	26.4	25.4	24.8	24.1	23.0	22.5	22.6	22.1
77.5°	23.6	23.8	25.4	25.2	24.1	23.6	22.9	21.8	21.3	21.4	20.9
78°	22.3	22.6	24.2	24.0	22.9	22.4	21.7	20.7	20.2	20.3	19.8
78.5°	21.1	21.3	22.9	22.8	21.7	21.2	20.5	19.5	19.0	19.1	18.7
79°	19.8	20.1	21.7	21.5	20.6	20.0	19.3	18.3	17.8	18.0	17.5
79.5°	18.6	18.9	20.5	20.4	19.4	18.8	18.2	17.2	16.7	16.9	16.4
80°	17.4	17.7	19.3	19.2	18.2	17.7	17.0	16.1	15.6	15.8	15.4
80.5°	16.2	16.6	18.1	18.0	17.1	16.6	16.0	15.0	14.5	14.7	14.3
81°	15.1	15.4	17.0	17.0	16.0	15.6	14.9	13.9	13.4	13.6	13.2
81.5°	13.9	14.2	15.9	15.8	14.9	14.5	13.8	12.8	12.4	12.5	12.2
82°	12.8	13.1	14.8	14.7	13.9	13.4	12.8	11.7	11.3	11.4	11.2
82.5°	11.8	12.0	13.7	13.7	12.8	12.4	11.8	10.7	10.3	10.4	10.2
83°	10.6	10.9	12.6	12.6	11.8	11.4	10.8	9.7	9.3	9.4	9.2
83.5°	9.6	9.9	11.6	11.6	10.8	10.4	9.8	8.7	8.3	8.4	8.3
84°	8.5	8.9	10.5	10.6	9.8	9.4	8.8	7.8	7.3	7.4	7.3
84.5°	7.5	7.8	9.6	9.6	8.8	8.4	7.9	6.8	6.3	6.4	6.3
85°	6.5	6.8	8.6	8.6	7.9	7.5	6.9	5.9	5.3	5.4	5.4
85.5°	5.5	5.8	7.6	7.6	6.9	6.6	6.0	4.9	4.4	4.6	4.5
86°	4.6	5.0	6.6	6.7	5.9	5.6	5.0	4.1	3.7	3.8	3.6
86.5°	3.8	4.2	5.7	5.8	5.0	4.7	4.2	3.3	2.9	3.0	2.8
87°	3.1	3.3	4.8	4.8	4.1	3.8	3.3	2.5	2.2	2.3	1.9
87.5°	2.3	2.6	3.9	3.9	3.2	2.9	2.5	1.8	1.5	1.6	1.1
88°	1.6	1.9	3.2	3.2	2.4	2.1	1.7	1.2	0.9	0.9	0.4
88.5°	0.9	1.2	2.4	2.4	1.5	1.3	1.0	0.6	0.4	0.4	0.1
89°	0.4	0.5	1.7	1.6	0.7	0.5	0.3	0.2	0.1	0.1	0.1
89.5°	0.1	0.2	0.9	0.9	0.2	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P640143
 CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.1	0.1	0.2	0.1	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
103.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
106°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
106.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
112°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P640143

CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2
115°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
115.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2
116°	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2
116.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
122°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
122.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
123°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
123.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
124°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
124.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
125°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3
125.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3
126°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3
126.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3
127°	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3
127.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
128°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
128.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
129°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
129.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
130°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
130.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
131°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
131.5°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
132°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
132.5°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
133°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
133.5°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4



TEST NUMBER: P640143
 CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4
135.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4
136°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4
136.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
137°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
137.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
138°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
138.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
139°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
139.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
140°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
140.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
143°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
143.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5
144°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
144.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
145°	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145.5°	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
146°	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
146.5°	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147°	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
148°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
148.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
149°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
149.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
150.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
151°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
151.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
152°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
152.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.6
153°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
153.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
154°	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
154.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
155°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
155.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
156°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
156.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
157°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P640143
 CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
158°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
158.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
159°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
159.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
161°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
161.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
162°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
162.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
163°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
163.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
164°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
164.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
165°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
165.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
166°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
166.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
167°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7
167.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7
168°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7
168.5°	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7
169°	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7
169.5°	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7
170°	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7
170.5°	0.6	0.6	0.6	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.6
171°	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.6
171.5°	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.6
172°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6
172.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6
173°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6
173.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
174°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
174.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
175°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
175.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
176°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
176.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6
177.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6
178°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6
178.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6
179°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6
179.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6



TEST NUMBER: P640143
CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P640143

CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1061.7	1061.7	1061.7	1061.7	1061.7	1061.7
0.5°	1061.1	1061.3	1061.3	1061.4	1061.5	1061.7
1°	1060.3	1060.7	1060.7	1060.9	1061.3	1061.5
1.5°	1059.5	1059.9	1060.0	1060.2	1060.7	1061.0
2°	1058.4	1059.0	1059.0	1059.4	1060.1	1060.6
2.5°	1057.3	1058.0	1058.0	1058.3	1059.3	1059.8
3°	1056.0	1056.8	1056.8	1057.2	1058.2	1059.0
3.5°	1054.6	1055.3	1055.5	1055.9	1057.0	1058.1
4°	1052.9	1053.7	1054.1	1054.8	1055.7	1057.2
4.5°	1051.3	1052.0	1052.4	1053.2	1054.4	1056.2
5°	1049.4	1050.2	1050.8	1051.8	1053.0	1054.7
5.5°	1047.5	1048.1	1048.9	1050.0	1051.6	1053.2
6°	1045.2	1046.1	1046.9	1047.8	1049.9	1051.6
6.5°	1043.0	1043.8	1044.7	1045.9	1048.0	1049.8
7°	1040.3	1041.4	1042.4	1043.6	1045.9	1047.9
7.5°	1037.7	1039.0	1039.9	1041.4	1043.6	1045.9
8°	1035.0	1036.2	1037.3	1038.9	1041.1	1043.6
8.5°	1032.1	1033.5	1034.6	1036.2	1038.4	1041.3
9°	1029.2	1030.6	1031.6	1033.6	1035.9	1038.7
9.5°	1026.0	1027.5	1028.7	1030.6	1033.1	1036.0
10°	1022.8	1024.3	1025.6	1027.6	1030.3	1033.3
10.5°	1019.4	1020.7	1022.5	1024.5	1027.1	1030.5
11°	1015.6	1017.4	1019.0	1021.0	1024.1	1027.3
11.5°	1011.8	1013.8	1015.2	1017.6	1020.7	1024.2
12°	1007.9	1009.9	1011.5	1013.9	1017.2	1020.7
12.5°	1003.9	1006.0	1007.8	1010.1	1013.7	1017.4
13°	999.9	1002.0	1003.8	1006.4	1009.8	1013.8
13.5°	995.5	997.8	999.5	1002.4	1005.9	1009.8
14°	991.0	993.4	995.3	998.2	1001.9	1006.1
14.5°	986.5	988.8	990.9	993.8	997.7	1002.0
15°	981.8	984.3	986.3	989.4	993.3	998.0
15.5°	976.8	979.4	981.6	984.7	988.7	993.6
16°	971.6	974.5	976.8	980.0	984.2	989.1
16.5°	966.4	969.6	971.8	975.1	979.3	984.5
17°	961.0	964.4	966.6	970.1	974.4	979.5
17.5°	955.5	959.1	961.4	964.9	969.4	974.5
18°	950.1	953.4	955.8	959.5	964.1	969.5
18.5°	944.5	948.0	950.2	954.1	958.6	964.3
19°	938.7	942.1	944.8	948.7	953.2	959.0
19.5°	932.7	936.4	939.1	943.1	947.9	953.5
20°	926.6	930.4	933.2	937.2	942.1	948.1
20.5°	920.1	924.1	927.1	931.1	936.2	942.3
21°	913.7	917.7	920.7	925.0	930.2	936.3
21.5°	907.1	911.4	914.3	918.7	924.0	930.2
22°	900.6	904.8	907.8	912.3	917.7	923.9



TEST NUMBER: P640143

CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	893.8	898.1	901.2	905.8	911.2	917.6
23°	887.0	891.5	894.5	899.1	904.7	911.2
23.5°	879.9	884.7	887.6	892.2	897.9	904.6
24°	872.6	877.7	880.7	885.3	891.0	897.9
24.5°	865.4	870.4	873.6	878.2	883.9	891.0
25°	858.1	862.9	866.4	871.1	877.1	884.1
25.5°	850.6	855.5	859.0	863.7	869.9	876.9
26°	843.2	848.0	851.6	856.4	862.7	869.9
26.5°	835.5	840.5	844.0	848.9	855.3	862.6
27°	827.9	832.7	836.3	841.4	847.9	855.2
27.5°	819.9	824.9	828.6	833.7	840.1	847.6
28°	811.8	816.8	820.5	825.8	832.3	840.2
28.5°	803.6	808.8	812.6	817.9	824.5	832.0
29°	795.4	800.7	804.5	809.8	816.6	824.6
29.5°	787.0	792.6	796.3	801.8	808.7	816.5
30°	778.7	784.3	787.8	793.5	800.6	808.5
30.5°	770.5	776.0	779.3	785.1	792.2	800.4
31°	762.1	767.5	771.0	776.6	783.9	792.2
31.5°	753.3	758.9	762.5	768.3	775.3	783.9
32°	744.8	750.3	754.0	759.8	767.1	775.4
32.5°	736.1	741.7	745.1	751.0	758.4	766.8
33°	727.4	732.7	736.4	742.3	749.4	758.2
33.5°	718.5	723.6	727.5	733.5	740.9	749.4
34°	709.5	714.7	718.5	724.7	732.2	740.7
34.5°	700.6	705.7	709.5	715.5	723.1	731.6
35°	691.6	696.4	700.4	706.4	713.7	722.7
35.5°	682.9	687.3	691.3	697.6	705.3	713.7
36°	673.7	678.2	682.3	688.3	696.3	704.8
36.5°	664.3	669.0	673.2	679.0	687.1	695.8
37°	654.8	659.4	663.7	669.6	677.5	686.4
37.5°	645.1	649.9	654.0	660.5	668.4	677.1
38°	635.2	640.3	644.5	650.7	658.9	667.4
38.5°	625.4	630.7	635.0	641.3	649.3	657.9
39°	615.6	621.0	625.5	631.6	639.3	648.4
39.5°	605.3	610.9	615.7	622.1	629.9	638.2
40°	594.6	600.4	605.4	612.0	620.0	628.4
40.5°	583.4	589.8	594.7	601.9	610.1	618.5
41°	572.4	578.8	583.9	591.5	600.1	608.6
41.5°	561.1	567.5	572.6	580.6	590.0	598.6
42°	549.7	556.5	561.7	569.7	579.6	588.8
42.5°	538.4	545.1	550.4	558.8	568.9	578.4
43°	526.6	533.7	539.0	547.3	557.7	567.7
43.5°	515.2	522.0	527.4	536.0	546.5	556.8
44°	503.8	510.8	516.2	524.4	535.4	545.4
44.5°	492.2	499.3	504.8	513.3	524.2	534.5

TEST NUMBER: P640143

CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	480.8	487.8	493.4	501.7	512.8	523.1
45.5°	469.3	476.4	481.6	490.4	501.8	512.1
46°	457.7	465.1	470.6	479.2	490.3	500.8
46.5°	446.3	453.4	459.1	468.2	479.1	489.3
47°	435.0	442.2	447.8	456.7	467.6	478.1
47.5°	423.9	430.7	436.3	445.5	456.6	467.1
48°	412.6	419.5	425.3	434.1	445.3	455.9
48.5°	401.6	408.5	414.1	423.0	434.2	444.9
49°	390.7	397.6	403.3	412.1	423.2	433.7
49.5°	379.8	386.7	392.1	401.3	412.4	422.8
50°	369.0	375.5	381.4	390.1	401.2	411.7
50.5°	358.3	364.8	370.4	379.2	390.6	401.0
51°	347.6	354.1	359.8	368.5	379.7	390.0
51.5°	337.3	342.7	349.1	358.1	369.1	379.5
52°	327.1	332.8	338.9	347.5	358.7	368.9
52.5°	316.9	322.9	328.8	337.4	348.3	358.5
53°	306.7	313.0	318.6	327.2	338.2	348.0
53.5°	297.0	303.1	308.4	317.0	328.1	337.9
54°	287.1	293.2	298.2	306.9	318.0	327.9
54.5°	277.4	283.5	288.6	296.7	307.9	317.8
55°	267.7	273.8	279.0	287.0	297.9	307.8
55.5°	258.4	264.5	269.3	277.4	287.9	297.7
56°	249.1	255.1	260.0	267.9	278.3	287.7
56.5°	240.2	245.9	250.8	258.3	268.8	278.1
57°	231.3	236.9	241.7	249.1	259.4	268.6
57.5°	222.5	228.1	232.5	239.9	250.2	259.2
58°	214.2	219.6	223.9	231.0	241.0	250.0
58.5°	205.6	211.1	215.2	222.1	232.0	240.8
59°	197.3	202.8	206.7	213.6	223.1	231.7
59.5°	189.3	194.4	198.4	204.9	214.4	222.9
60°	181.3	186.4	190.1	196.6	205.8	214.1
60.5°	173.5	178.4	182.1	188.4	197.3	205.5
61°	166.0	170.5	174.3	180.3	189.0	197.0
61.5°	158.6	163.1	166.6	172.3	181.0	188.6
62°	151.3	155.6	159.0	164.7	172.9	180.4
62.5°	144.2	148.3	151.4	157.0	165.0	172.3
63°	137.1	141.2	144.2	149.5	157.2	164.3
63.5°	130.4	134.2	137.1	142.1	149.6	156.5
64°	123.8	127.3	130.2	135.1	142.3	148.7
64.5°	117.4	120.8	123.5	128.2	134.9	141.2
65°	111.1	114.3	116.8	121.5	127.9	134.0
65.5°	105.0	108.0	110.4	114.6	120.9	126.8
66°	99.1	101.8	104.1	108.3	114.2	119.6
66.5°	93.4	96.0	98.1	102.1	107.4	112.7
67°	88.2	90.3	92.3	96.0	101.2	105.9



TEST NUMBER: P640143

CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	83.1	84.7	86.5	90.2	95.0	99.3
68°	77.9	79.3	81.0	84.5	89.0	93.2
68.5°	72.7	74.3	75.9	79.0	83.3	86.9
69°	67.6	69.4	70.7	73.7	77.7	80.8
69.5°	63.0	64.7	66.0	68.6	72.2	74.7
70°	58.7	60.2	61.4	64.0	67.2	69.1
70.5°	54.5	55.9	57.0	59.3	62.3	63.4
71°	50.6	51.9	52.8	55.0	57.6	58.4
71.5°	46.9	48.1	49.0	51.0	53.2	53.4
72°	43.4	44.6	45.4	47.3	49.0	49.0
72.5°	40.1	41.3	42.0	43.7	45.2	44.8
73°	37.1	38.2	38.9	40.5	41.6	41.2
73.5°	34.4	35.5	36.2	37.6	38.5	38.0
74°	31.9	33.6	33.8	35.0	35.6	34.9
74.5°	29.7	31.8	32.1	33.2	33.7	33.1
75°	27.7	30.0	30.4	31.5	31.8	31.4
75.5°	26.2	28.2	28.7	29.8	29.9	29.6
76°	25.1	26.3	27.0	28.0	28.1	27.9
76.5°	23.8	25.1	25.7	26.3	26.2	26.1
77°	22.7	23.9	24.5	25.0	24.9	24.9
77.5°	21.5	22.7	23.3	23.7	23.6	23.6
78°	20.3	21.5	22.0	22.5	22.3	22.3
78.5°	19.2	20.3	20.9	21.2	21.1	21.1
79°	18.1	19.1	19.7	20.0	19.9	19.8
79.5°	17.0	18.0	18.5	18.8	18.6	18.6
80°	15.9	16.8	17.4	17.6	17.4	17.4
80.5°	14.8	15.8	16.2	16.5	16.3	16.2
81°	13.7	14.7	15.1	15.4	15.1	15.1
81.5°	12.7	13.6	14.0	14.3	13.9	13.9
82°	11.6	12.5	13.0	13.2	12.8	12.8
82.5°	10.6	11.5	11.9	12.1	11.7	11.8
83°	9.6	10.4	10.9	11.1	10.6	10.6
83.5°	8.6	9.4	9.8	10.0	9.6	9.6
84°	7.7	8.4	8.8	9.0	8.5	8.5
84.5°	6.7	7.4	7.8	8.0	7.5	7.5
85°	5.7	6.5	6.8	7.0	6.4	6.5
85.5°	4.8	5.5	5.9	6.0	5.5	5.5
86°	3.8	4.6	4.9	5.1	4.6	4.6
86.5°	3.0	3.6	4.0	4.2	3.8	3.8
87°	2.1	2.8	3.2	3.3	3.1	3.1
87.5°	1.2	2.0	2.4	2.5	2.3	2.3
88°	0.5	1.2	1.7	1.7	1.6	1.6
88.5°	0.1	0.3	0.9	1.0	0.9	0.9
89°	0.1	0.1	0.1	0.2	0.3	0.4
89.5°	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P640143
 CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	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
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	0.1	0.1	0.1	0.1	0.1
101°	0.1	0.1	0.1	0.1	0.1	0.1
101.5°	0.1	0.1	0.1	0.1	0.1	0.1
102°	0.1	0.1	0.1	0.1	0.1	0.1
102.5°	0.1	0.1	0.1	0.1	0.1	0.1
103°	0.1	0.1	0.1	0.1	0.1	0.1
103.5°	0.1	0.1	0.1	0.1	0.1	0.1
104°	0.1	0.1	0.1	0.1	0.1	0.1
104.5°	0.1	0.1	0.1	0.1	0.1	0.1
105°	0.1	0.1	0.1	0.1	0.1	0.1
105.5°	0.1	0.1	0.1	0.1	0.1	0.1
106°	0.1	0.1	0.1	0.1	0.1	0.1
106.5°	0.1	0.1	0.1	0.1	0.1	0.1
107°	0.1	0.1	0.1	0.1	0.1	0.1
107.5°	0.1	0.1	0.1	0.1	0.1	0.1
108°	0.1	0.2	0.1	0.1	0.1	0.1
108.5°	0.1	0.2	0.2	0.1	0.1	0.1
109°	0.1	0.2	0.2	0.2	0.2	0.2
109.5°	0.1	0.2	0.2	0.2	0.2	0.2
110°	0.1	0.2	0.2	0.2	0.2	0.2
110.5°	0.1	0.2	0.2	0.2	0.2	0.2
111°	0.1	0.2	0.2	0.2	0.2	0.2
111.5°	0.1	0.2	0.2	0.2	0.2	0.2
112°	0.1	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P640143
 CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.1	0.2	0.2	0.2	0.2	0.2
113°	0.1	0.2	0.2	0.2	0.2	0.2
113.5°	0.1	0.2	0.2	0.2	0.2	0.2
114°	0.1	0.2	0.2	0.2	0.2	0.2
114.5°	0.1	0.2	0.2	0.2	0.2	0.2
115°	0.2	0.2	0.2	0.2	0.2	0.2
115.5°	0.2	0.2	0.2	0.2	0.2	0.2
116°	0.2	0.2	0.2	0.2	0.2	0.2
116.5°	0.2	0.2	0.2	0.2	0.2	0.2
117°	0.2	0.2	0.2	0.2	0.2	0.2
117.5°	0.2	0.2	0.2	0.2	0.2	0.2
118°	0.2	0.2	0.2	0.2	0.2	0.2
118.5°	0.2	0.2	0.2	0.2	0.2	0.2
119°	0.2	0.2	0.2	0.2	0.2	0.2
119.5°	0.2	0.2	0.2	0.2	0.2	0.2
120°	0.2	0.2	0.2	0.2	0.2	0.2
120.5°	0.2	0.2	0.2	0.2	0.2	0.2
121°	0.2	0.3	0.2	0.2	0.2	0.2
121.5°	0.2	0.3	0.3	0.3	0.3	0.3
122°	0.2	0.3	0.3	0.3	0.3	0.3
122.5°	0.2	0.3	0.3	0.3	0.3	0.3
123°	0.2	0.3	0.3	0.3	0.3	0.3
123.5°	0.2	0.3	0.3	0.3	0.3	0.3
124°	0.2	0.3	0.3	0.3	0.3	0.3
124.5°	0.2	0.3	0.3	0.3	0.3	0.3
125°	0.2	0.3	0.3	0.3	0.3	0.3
125.5°	0.3	0.3	0.3	0.3	0.3	0.3
126°	0.3	0.3	0.3	0.3	0.3	0.3
126.5°	0.3	0.3	0.3	0.3	0.3	0.3
127°	0.3	0.3	0.3	0.3	0.3	0.3
127.5°	0.3	0.3	0.3	0.3	0.3	0.3
128°	0.3	0.3	0.3	0.3	0.3	0.3
128.5°	0.3	0.3	0.3	0.3	0.3	0.3
129°	0.3	0.3	0.3	0.3	0.3	0.3
129.5°	0.3	0.3	0.3	0.3	0.3	0.3
130°	0.3	0.3	0.3	0.3	0.3	0.3
130.5°	0.3	0.3	0.3	0.3	0.3	0.3
131°	0.3	0.3	0.3	0.3	0.3	0.3
131.5°	0.3	0.4	0.3	0.3	0.3	0.4
132°	0.3	0.4	0.4	0.3	0.4	0.4
132.5°	0.3	0.4	0.4	0.4	0.4	0.4
133°	0.3	0.4	0.4	0.4	0.4	0.4
133.5°	0.3	0.4	0.4	0.4	0.4	0.4
134°	0.3	0.4	0.4	0.4	0.4	0.4
134.5°	0.4	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P640143
 CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.4	0.4	0.4	0.4	0.4	0.4
135.5°	0.4	0.4	0.4	0.4	0.4	0.4
136°	0.4	0.4	0.4	0.4	0.4	0.4
136.5°	0.4	0.4	0.4	0.4	0.4	0.4
137°	0.4	0.4	0.4	0.4	0.4	0.4
137.5°	0.4	0.4	0.4	0.4	0.4	0.4
138°	0.4	0.4	0.4	0.4	0.4	0.4
138.5°	0.4	0.4	0.4	0.4	0.4	0.4
139°	0.4	0.4	0.4	0.4	0.4	0.4
139.5°	0.4	0.4	0.4	0.4	0.4	0.4
140°	0.4	0.4	0.4	0.4	0.4	0.4
140.5°	0.4	0.4	0.4	0.4	0.4	0.4
141°	0.4	0.4	0.4	0.4	0.4	0.4
141.5°	0.4	0.4	0.4	0.4	0.4	0.4
142°	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.4	0.4	0.4	0.4	0.4	0.4
143°	0.5	0.4	0.4	0.4	0.4	0.4
143.5°	0.5	0.4	0.4	0.4	0.4	0.4
144°	0.5	0.4	0.4	0.4	0.4	0.4
144.5°	0.5	0.4	0.4	0.4	0.4	0.4
145°	0.5	0.5	0.5	0.4	0.4	0.5
145.5°	0.5	0.5	0.5	0.5	0.5	0.5
146°	0.5	0.5	0.5	0.5	0.5	0.5
146.5°	0.5	0.5	0.5	0.5	0.5	0.5
147°	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	0.5	0.5	0.5	0.5	0.5
148°	0.5	0.5	0.5	0.5	0.5	0.5
148.5°	0.5	0.5	0.5	0.5	0.5	0.5
149°	0.5	0.5	0.5	0.5	0.5	0.5
149.5°	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	0.5	0.5	0.5	0.5	0.5
150.5°	0.5	0.5	0.5	0.5	0.5	0.5
151°	0.5	0.5	0.5	0.5	0.5	0.5
151.5°	0.5	0.5	0.5	0.5	0.5	0.5
152°	0.6	0.5	0.5	0.5	0.5	0.5
152.5°	0.6	0.5	0.5	0.5	0.5	0.5
153°	0.6	0.5	0.5	0.5	0.5	0.5
153.5°	0.6	0.5	0.5	0.5	0.5	0.5
154°	0.6	0.5	0.5	0.5	0.5	0.5
154.5°	0.6	0.5	0.5	0.5	0.5	0.5
155°	0.6	0.5	0.5	0.5	0.5	0.5
155.5°	0.6	0.5	0.5	0.5	0.5	0.5
156°	0.6	0.5	0.5	0.5	0.5	0.5
156.5°	0.6	0.5	0.5	0.5	0.5	0.5
157°	0.6	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P640143
 CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.6	0.5	0.5	0.5	0.5	0.5
158°	0.6	0.5	0.5	0.5	0.5	0.5
158.5°	0.6	0.5	0.5	0.5	0.5	0.5
159°	0.6	0.5	0.5	0.5	0.5	0.5
159.5°	0.6	0.5	0.5	0.5	0.5	0.5
160°	0.6	0.5	0.5	0.5	0.5	0.5
160.5°	0.6	0.5	0.5	0.5	0.5	0.5
161°	0.6	0.5	0.5	0.5	0.5	0.5
161.5°	0.6	0.5	0.5	0.5	0.5	0.5
162°	0.6	0.5	0.5	0.5	0.5	0.5
162.5°	0.6	0.5	0.5	0.5	0.5	0.5
163°	0.6	0.5	0.5	0.5	0.5	0.5
163.5°	0.6	0.5	0.5	0.5	0.5	0.5
164°	0.6	0.5	0.5	0.5	0.5	0.5
164.5°	0.6	0.5	0.5	0.5	0.5	0.5
165°	0.6	0.5	0.5	0.5	0.5	0.5
165.5°	0.6	0.5	0.5	0.5	0.5	0.5
166°	0.6	0.5	0.5	0.5	0.5	0.5
166.5°	0.6	0.5	0.5	0.5	0.5	0.5
167°	0.6	0.5	0.5	0.5	0.5	0.5
167.5°	0.7	0.5	0.5	0.5	0.5	0.5
168°	0.7	0.5	0.5	0.5	0.6	0.5
168.5°	0.7	0.5	0.5	0.6	0.6	0.6
169°	0.7	0.5	0.5	0.6	0.6	0.6
169.5°	0.7	0.5	0.5	0.6	0.6	0.6
170°	0.7	0.5	0.6	0.6	0.6	0.6
170.5°	0.7	0.5	0.6	0.6	0.6	0.6
171°	0.7	0.6	0.6	0.6	0.6	0.6
171.5°	0.6	0.6	0.6	0.6	0.6	0.6
172°	0.6	0.6	0.6	0.6	0.6	0.6
172.5°	0.6	0.6	0.6	0.6	0.6	0.6
173°	0.7	0.6	0.6	0.6	0.6	0.6
173.5°	0.7	0.6	0.6	0.6	0.6	0.6
174°	0.7	0.6	0.6	0.6	0.6	0.6
174.5°	0.7	0.6	0.6	0.6	0.6	0.6
175°	0.7	0.6	0.6	0.6	0.6	0.6
175.5°	0.7	0.6	0.6	0.6	0.6	0.6
176°	0.7	0.6	0.6	0.6	0.6	0.6
176.5°	0.7	0.6	0.6	0.6	0.6	0.6
177°	0.7	0.6	0.6	0.6	0.6	0.6
177.5°	0.7	0.6	0.6	0.6	0.6	0.6
178°	0.7	0.6	0.6	0.6	0.6	0.6
178.5°	0.7	0.6	0.6	0.6	0.6	0.6
179°	0.7	0.6	0.6	0.6	0.6	0.6
179.5°	0.6	0.7	0.6	0.7	0.6	0.6



TEST NUMBER: P640143
CATALOG NUMBER: LCR621RD9FSE020-23W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)