

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: P640148

Luminaire Tested: LCR621RD9FSE020-23W-6500K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640148
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-6500K
Description: LCR 6
Light Source: 6500K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

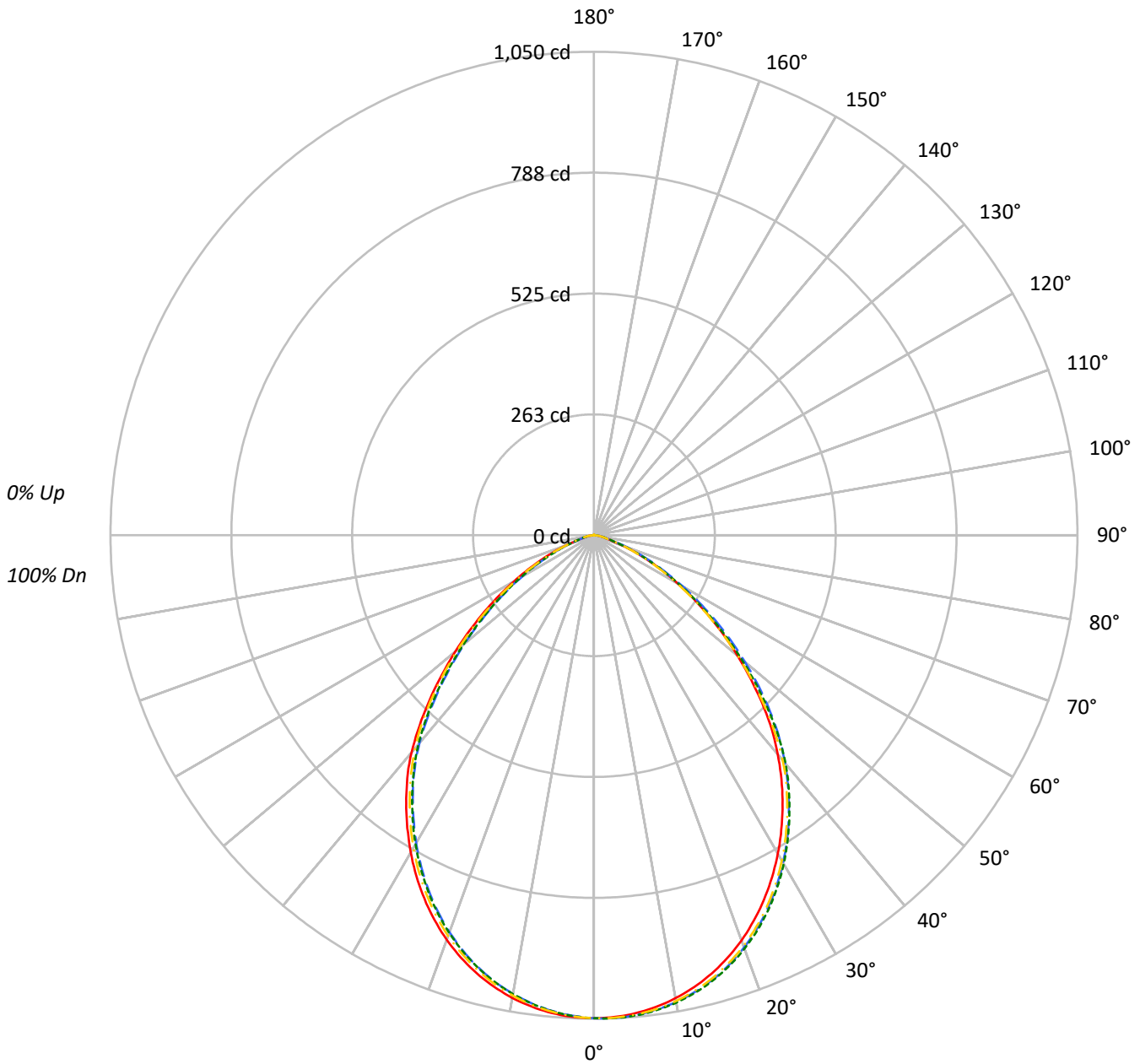
Lumens per Lamp: N/A
Luminaire Lumens: 2050.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.15 / 1.22
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 23.2
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



— 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88	88	88
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77	77	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68	68	68
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60	60	60
5	82	70	63	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53	53	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47	47	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	42	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38	38	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	36	35	35	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32	32	32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	57501	57501	57501	57501
5°	57341	57605	57324	57093
10°	56824	57369	56801	56328
15°	55954	56771	55880	55193
20°	54640	55748	54529	53625
25°	52830	54239	52691	51565
30°	50558	52185	50356	49052
35°	47783	49530	47562	46043
40°	44426	46323	44104	42451
45°	40066	41477	39058	37360
50°	34685	35624	33500	31641
55°	29065	29581	27774	25853
60°	23189	23485	22027	20185
65°	17174	17408	16279	14645
70°	10931	11412	10434	9537
75°	6566	6630	5931	6270
80°	5430	5683	4862	5241
85°	4026	4906	3334	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 42028 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	4.8
10°-20°	277.5	13.5
20°-30°	401.4	19.6
30°-40°	444.9	21.7
40°-50°	391.7	19.1
50°-60°	263.3	12.8
60°-70°	126.7	6.2
70°-80°	36.3	1.8
80°-90°	7.8	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°	777.6	37.9
0°-40°	1222.6	59.6
0°-60°	1877.6	91.6
0°-90°	2048.4	99.9
90°-120°	0.4	0.0
90°-150°	1.2	0.1
90°-180°	2.0	0.1
0°-180°	2050.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1049	1049	1049	1049	1049	
5°	1042	1047	1042	1038	1042	99
15°	986	1000	985	972	986	277
25°	873	897	871	852	873	401
35°	714	740	711	688	714	445
45°	517	535	504	482	517	397
55°	304	310	291	270	304	272
65°	132	134	126	113	132	133
75°	31	31	28	30	31	37
85°	6	8	5	6	6	7
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°	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9
0.5°	1048.9	1049.2	1049.4	1049.5	1049.3	1049.3	1048.9	1048.9	1048.7	1048.6	1048.3
1°	1048.7	1049.0	1049.5	1049.8	1049.8	1049.5	1049.1	1048.8	1048.6	1048.0	1047.6
1.5°	1048.2	1048.8	1049.5	1049.9	1049.8	1049.5	1049.3	1048.7	1048.1	1047.4	1046.7
2°	1047.8	1048.4	1049.5	1049.9	1049.8	1049.4	1049.1	1048.3	1047.6	1046.8	1045.7
2.5°	1047.0	1048.0	1049.3	1049.8	1049.7	1049.3	1048.7	1048.0	1047.0	1046.1	1044.8
3°	1046.3	1047.4	1049.0	1049.6	1049.4	1048.8	1048.3	1047.4	1046.3	1045.2	1043.5
3.5°	1045.4	1046.6	1048.4	1049.1	1049.0	1048.2	1047.6	1046.7	1045.4	1044.2	1042.3
4°	1044.4	1045.7	1047.8	1048.6	1048.4	1047.6	1046.8	1045.7	1044.3	1043.1	1040.7
4.5°	1043.4	1044.7	1046.9	1048.0	1047.5	1047.0	1046.0	1044.5	1043.0	1041.5	1039.0
5°	1042.0	1043.5	1046.0	1047.1	1046.8	1046.3	1044.9	1043.3	1041.7	1040.0	1037.2
5.5°	1040.5	1042.3	1045.1	1046.4	1045.9	1045.4	1043.7	1042.1	1040.1	1038.2	1035.3
6°	1038.9	1040.8	1044.0	1045.3	1044.8	1044.2	1042.6	1040.7	1038.4	1036.4	1033.2
6.5°	1037.1	1039.3	1042.5	1044.1	1043.5	1042.9	1041.2	1039.2	1036.8	1034.4	1030.9
7°	1035.3	1037.5	1041.0	1042.7	1042.2	1041.4	1039.7	1037.4	1034.9	1032.2	1028.5
7.5°	1033.3	1035.5	1039.4	1041.2	1040.5	1039.8	1038.0	1035.6	1032.8	1030.0	1026.0
8°	1031.0	1033.5	1037.7	1039.6	1038.8	1038.0	1036.1	1033.5	1030.5	1027.6	1023.3
8.5°	1028.7	1031.2	1035.9	1037.7	1036.8	1036.0	1034.0	1031.2	1028.2	1025.1	1020.6
9°	1026.2	1028.9	1033.7	1035.8	1034.8	1034.0	1031.8	1029.1	1025.7	1022.5	1017.6
9.5°	1023.6	1026.6	1031.4	1033.6	1033.0	1031.8	1029.7	1026.7	1023.2	1019.6	1014.7
10°	1020.8	1024.0	1029.3	1031.5	1030.6	1029.8	1027.3	1024.1	1020.4	1016.7	1011.4
10.5°	1018.0	1021.1	1026.9	1029.1	1028.3	1027.4	1024.8	1021.2	1017.4	1013.7	1008.0
11°	1014.9	1018.3	1024.4	1026.6	1025.8	1024.7	1022.1	1018.3	1014.3	1010.4	1004.5
11.5°	1011.8	1015.2	1021.6	1023.9	1023.2	1022.1	1019.2	1015.2	1010.9	1007.2	1000.8
12°	1008.4	1012.1	1018.7	1021.1	1020.4	1019.2	1016.1	1012.2	1007.6	1003.7	997.2
12.5°	1005.1	1008.8	1015.7	1018.2	1017.5	1016.1	1013.1	1008.8	1004.2	1000.2	993.3
13°	1001.5	1005.4	1012.6	1015.1	1014.3	1013.0	1010.0	1005.5	1000.6	996.4	989.2
13.5°	997.7	1001.6	1009.3	1012.0	1011.2	1009.7	1006.6	1001.8	997.0	992.3	985.0
14°	994.0	998.0	1005.8	1008.7	1007.7	1006.4	1003.1	998.2	993.0	988.2	980.6
14.5°	989.9	994.0	1002.1	1005.2	1003.9	1002.8	999.4	994.5	988.9	984.0	976.0
15°	985.9	990.0	998.4	1001.6	1000.3	999.2	995.6	990.5	984.6	979.5	971.3
15.5°	981.7	985.8	994.7	998.0	996.6	995.4	991.6	986.3	980.2	975.1	966.6
16°	977.2	981.7	990.7	993.9	992.7	991.4	987.3	982.0	975.7	970.2	961.8
16.5°	972.6	977.1	986.5	989.7	988.7	987.0	983.0	977.5	971.1	965.6	956.6
17°	967.7	972.6	982.0	985.5	984.3	982.8	978.8	972.9	966.4	960.5	951.3
17.5°	962.8	967.8	977.4	981.2	979.9	978.3	974.1	968.2	961.4	955.5	945.8
18°	957.8	962.9	972.9	976.6	975.2	973.6	969.5	963.3	956.3	950.3	940.5
18.5°	952.7	958.0	968.2	972.1	970.6	968.9	964.7	958.2	951.1	945.0	935.0
19°	947.5	952.9	963.2	967.3	965.8	964.2	959.8	953.1	945.8	939.3	929.2
19.5°	942.0	947.5	958.2	962.3	960.9	959.2	954.7	947.8	940.2	933.8	923.3
20°	936.6	942.2	953.0	957.3	955.6	954.1	949.5	942.3	934.7	928.1	917.3
20.5°	930.9	936.7	947.7	952.1	950.3	948.6	944.0	936.9	929.1	922.1	911.0
21°	925.0	930.9	942.3	946.6	944.8	943.1	938.7	931.1	923.3	915.8	904.7
21.5°	919.0	924.9	936.7	941.1	939.4	937.6	932.8	925.3	917.1	909.8	898.4
22°	912.8	919.0	930.9	935.6	933.8	932.1	927.0	919.2	910.8	903.4	891.9



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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°	906.6	912.8	925.0	929.9	928.2	926.2	921.1	912.9	904.5	897.0	885.1
23°	900.2	906.4	919.0	923.9	922.2	920.2	915.2	906.8	898.0	890.4	878.5
23.5°	893.7	900.1	912.9	917.8	916.1	914.3	908.7	900.5	891.5	883.8	871.4
24°	887.1	893.6	906.6	911.6	909.6	908.0	902.3	894.1	884.9	877.1	864.5
24.5°	880.2	887.0	900.0	905.2	903.2	901.4	895.9	887.4	878.2	870.2	857.3
25°	873.4	880.3	893.5	898.5	896.7	894.9	889.6	880.5	871.1	863.0	850.2
25.5°	866.4	873.5	886.9	891.9	890.1	888.2	882.7	873.8	864.1	855.7	842.8
26°	859.4	866.3	879.9	885.3	883.2	881.5	875.7	866.8	856.9	848.4	835.4
26.5°	852.2	859.1	873.1	878.5	876.6	874.4	868.7	859.6	849.6	841.1	827.8
27°	844.9	852.1	866.0	871.5	869.3	867.4	861.7	852.2	842.1	833.4	820.1
27.5°	837.4	844.6	858.9	864.5	862.0	860.3	854.2	844.9	834.8	825.9	812.3
28°	830.1	837.3	851.6	857.0	854.8	852.9	846.8	837.4	827.3	818.2	804.3
28.5°	822.0	829.8	844.3	849.7	847.2	845.4	839.4	829.9	819.5	810.5	796.5
29°	814.7	822.1	836.9	842.0	839.8	838.0	831.9	822.1	811.8	802.5	788.4
29.5°	806.7	814.2	829.1	834.7	832.1	830.3	824.1	814.4	803.6	794.6	780.0
30°	798.7	806.3	821.2	826.8	824.4	822.5	816.2	806.3	795.5	786.2	771.8
30.5°	790.8	798.4	813.5	819.1	816.4	814.5	808.0	798.3	787.4	778.1	763.4
31°	782.6	790.3	805.7	811.0	808.3	806.6	800.3	789.9	779.1	769.6	755.1
31.5°	774.4	782.1	797.3	803.0	800.0	798.3	791.9	781.8	770.8	761.3	746.5
32°	766.1	774.0	789.1	794.6	791.7	790.0	783.5	773.3	762.2	752.8	738.0
32.5°	757.5	765.5	781.0	786.3	783.5	781.4	775.2	765.1	754.1	744.3	729.5
33°	749.1	757.0	772.9	778.0	774.9	773.2	766.5	756.4	745.3	735.6	720.9
33.5°	740.4	748.4	764.3	769.2	766.1	764.5	758.0	747.8	736.8	727.3	712.1
34°	731.8	739.9	755.7	760.5	757.7	755.8	749.2	739.2	728.1	718.5	703.4
34.5°	722.8	731.1	746.9	751.9	748.8	746.7	740.4	730.5	719.6	709.4	694.7
35°	714.0	722.1	738.0	743.0	740.1	737.9	731.7	721.8	710.7	700.3	685.9
35.5°	705.1	713.0	729.1	734.0	731.1	729.2	722.9	712.9	701.8	691.3	677.2
36°	696.3	704.1	720.3	725.2	722.4	720.4	713.8	704.0	692.9	682.2	668.1
36.5°	687.4	695.1	711.4	716.4	713.3	711.2	704.8	695.0	684.0	674.5	658.5
37°	678.1	686.0	702.3	707.2	704.1	702.1	695.7	686.1	675.1	665.1	649.1
37.5°	668.9	676.4	693.3	697.9	694.9	692.9	686.7	677.1	665.9	655.8	639.4
38°	659.4	666.9	683.9	688.5	685.8	683.8	677.6	667.8	656.6	646.2	629.7
38.5°	650.0	657.5	674.4	679.0	676.6	674.6	668.3	658.2	647.3	636.6	620.0
39°	640.6	648.2	664.7	669.3	667.1	664.9	658.4	648.4	637.1	627.0	610.4
39.5°	630.6	638.5	655.0	659.9	657.4	654.8	648.1	637.8	627.1	617.2	599.9
40°	620.8	628.7	645.4	649.9	647.3	644.3	637.3	627.4	616.3	606.7	589.3
40.5°	611.0	619.1	635.6	640.2	636.9	633.6	626.3	616.2	605.6	595.8	578.5
41°	601.3	609.1	625.8	630.4	626.3	622.6	615.3	605.3	594.3	584.7	567.6
41.5°	591.4	599.4	616.1	620.0	615.3	611.5	604.1	594.2	583.2	573.6	556.2
42°	581.7	589.6	605.9	609.5	604.2	600.1	592.8	582.9	571.8	562.4	544.9
42.5°	571.4	579.0	595.5	598.5	593.1	588.4	581.6	571.5	560.6	551.2	533.7
43°	560.9	568.4	585.0	587.6	581.4	576.9	569.8	560.2	549.4	540.0	522.4
43.5°	550.1	557.6	574.1	576.4	569.9	565.3	558.4	548.8	538.1	528.5	510.9
44°	538.8	546.4	562.9	565.1	558.3	553.6	546.8	537.4	526.3	517.0	499.5
44.5°	528.0	535.8	551.5	553.6	546.6	541.8	535.3	525.8	515.1	505.8	488.2



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CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	516.8	524.6	540.8	542.1	535.0	530.1	523.6	514.3	503.8	494.5	476.8
45.5°	505.9	513.7	529.6	530.6	523.1	518.4	512.0	502.8	492.5	483.0	465.5
46°	494.8	502.4	518.5	519.2	511.3	506.6	500.3	491.3	481.2	471.8	454.3
46.5°	483.4	491.3	507.2	507.4	499.6	494.9	488.9	480.0	469.8	460.6	442.9
47°	472.3	480.1	495.7	495.7	487.9	482.9	477.2	468.6	458.5	449.4	431.7
47.5°	461.5	469.0	484.5	484.1	475.9	471.1	465.4	457.2	447.3	438.2	420.8
48°	450.4	458.2	473.3	472.6	464.2	459.3	453.9	446.0	436.2	427.0	409.6
48.5°	439.6	447.3	462.0	461.0	452.5	447.8	442.6	434.9	425.2	416.2	398.8
49°	428.5	436.1	450.8	449.7	440.8	436.3	431.2	423.7	414.2	405.4	387.9
49.5°	417.7	425.5	439.6	438.0	429.3	424.8	419.9	412.8	403.4	394.6	377.4
50°	406.7	414.3	428.4	426.8	417.7	413.3	408.5	401.6	392.8	384.0	366.6
50.5°	396.2	403.5	417.1	415.3	406.4	402.0	397.3	390.7	382.2	373.3	356.1
51°	385.3	392.5	406.1	404.2	395.1	390.8	386.2	380.0	371.2	362.8	345.7
51.5°	374.9	382.0	395.2	393.0	384.1	379.7	375.3	369.3	360.8	352.6	335.4
52°	364.4	371.5	384.2	382.2	373.1	368.8	364.2	358.8	350.7	342.3	325.0
52.5°	354.2	360.9	373.4	371.0	362.0	357.7	353.4	348.0	340.1	332.0	315.3
53°	343.8	350.1	362.9	360.2	351.2	347.0	342.8	337.7	330.0	322.0	305.3
53.5°	333.8	340.6	351.9	349.1	340.6	336.6	332.3	327.2	319.9	312.1	295.5
54°	323.9	330.4	341.8	336.9	330.0	325.9	321.9	317.1	310.2	302.1	285.8
54.5°	314.0	320.2	331.4	327.0	319.6	315.6	311.4	306.8	300.3	292.5	276.7
55°	304.1	310.1	321.0	317.1	309.5	305.3	301.5	297.3	290.6	283.1	266.9
55.5°	294.1	299.9	310.6	307.2	299.2	295.3	291.4	287.2	281.1	273.6	257.8
56°	284.2	289.7	300.2	297.3	289.1	285.1	281.5	277.6	271.7	264.1	248.7
56.5°	274.8	280.0	289.8	287.3	279.4	275.2	271.7	268.0	262.2	255.0	239.8
57°	265.3	270.3	279.9	277.5	269.5	265.6	261.9	258.6	253.1	246.0	230.9
57.5°	256.1	260.7	270.1	267.6	260.0	256.0	252.5	249.2	244.1	237.2	222.3
58°	247.0	251.4	260.3	258.0	250.4	246.6	243.2	240.3	235.3	228.4	213.9
58.5°	237.9	242.1	251.1	248.6	241.4	237.4	234.1	231.2	226.4	219.9	205.6
59°	228.9	233.0	241.5	239.3	232.1	228.3	225.0	222.3	217.8	211.4	197.2
59.5°	220.2	224.1	232.2	230.2	223.2	219.3	216.1	213.5	209.3	203.0	189.1
60°	211.5	215.0	222.9	221.1	214.2	210.4	207.3	204.8	200.9	194.9	181.4
60.5°	203.0	206.2	214.1	212.3	205.6	201.8	198.8	196.5	192.8	186.7	173.9
61°	194.7	197.7	205.1	203.5	196.9	193.4	190.6	188.3	184.7	179.0	166.2
61.5°	186.3	189.4	196.5	194.9	188.7	185.2	182.2	180.2	176.8	171.3	158.7
62°	178.2	180.8	187.9	186.6	180.4	177.1	174.1	172.1	169.1	163.8	151.5
62.5°	170.2	172.6	179.7	178.2	172.3	169.1	166.2	164.3	161.4	156.3	144.3
63°	162.4	164.7	171.6	170.2	164.1	161.2	158.5	156.6	153.8	148.9	137.6
63.5°	154.7	156.8	163.6	162.2	156.5	153.3	150.7	149.1	146.5	141.8	130.8
64°	146.9	149.1	155.5	154.4	148.9	146.0	143.4	141.8	139.3	135.0	124.2
64.5°	139.5	141.5	148.0	146.7	141.4	138.6	136.0	134.6	132.4	128.3	117.8
65°	132.4	134.0	140.5	139.3	134.2	131.3	129.2	127.6	125.5	121.5	111.7
65.5°	125.2	126.6	133.2	132.1	127.0	124.3	122.2	120.7	118.8	115.1	105.5
66°	118.1	119.7	125.9	125.0	119.9	117.4	115.4	114.1	112.3	108.9	99.7
66.5°	111.3	112.9	119.0	118.0	113.2	110.8	108.9	107.6	105.9	102.7	93.9
67°	104.6	106.1	112.2	111.3	106.5	104.4	102.6	101.2	99.6	96.9	88.6



TEST NUMBER: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	98.1	99.6	105.7	104.6	100.2	97.9	96.3	95.1	93.7	91.0	83.5
68°	92.1	93.4	99.2	98.2	93.8	91.9	90.5	89.3	87.9	85.8	78.4
68.5°	85.8	87.2	93.2	92.1	88.2	86.4	85.0	83.8	82.2	80.5	73.3
69°	79.8	81.4	87.1	86.2	82.5	80.8	79.5	78.4	76.5	75.3	68.2
69.5°	73.8	75.7	81.4	80.4	76.8	75.3	74.0	72.9	70.8	70.1	63.5
70°	68.2	70.3	75.7	74.7	71.2	69.8	68.4	67.5	65.1	64.8	59.2
70.5°	62.7	65.0	70.5	69.5	65.5	64.3	63.5	62.6	60.0	60.2	55.0
71°	57.7	60.0	65.3	64.4	60.6	59.6	58.8	57.8	55.2	55.7	51.0
71.5°	52.8	55.3	60.5	59.6	55.8	54.9	54.3	53.2	50.8	51.6	47.2
72°	48.4	50.9	56.0	54.9	51.5	50.5	50.1	48.9	46.6	47.5	43.7
72.5°	44.2	46.7	51.7	50.6	47.2	46.4	46.1	45.0	42.9	43.8	40.3
73°	40.7	43.0	47.6	46.6	43.3	42.7	42.4	41.3	39.3	40.4	37.2
73.5°	37.5	39.6	43.9	43.0	39.8	39.2	39.0	37.9	36.1	37.3	34.3
74°	34.5	36.6	40.4	39.5	36.7	36.0	35.9	34.9	33.2	34.3	31.8
74.5°	32.7	33.8	37.3	36.4	33.9	33.2	33.1	32.2	30.5	31.6	29.4
75°	31.0	32.0	34.4	33.5	31.3	30.7	30.5	29.6	28.0	29.1	27.3
75.5°	29.3	30.2	32.5	31.7	29.2	28.6	28.2	27.4	26.5	26.9	25.4
76°	27.6	28.4	30.7	29.8	27.6	26.9	26.3	25.4	24.9	24.9	24.2
76.5°	25.8	26.6	28.8	27.9	26.3	25.7	25.0	23.9	23.4	23.5	23.0
77°	24.6	24.8	26.9	26.1	25.1	24.5	23.8	22.7	22.2	22.3	21.8
77.5°	23.3	23.5	25.1	24.9	23.8	23.3	22.6	21.6	21.1	21.2	20.7
78°	22.1	22.3	23.9	23.7	22.7	22.1	21.4	20.4	19.9	20.0	19.6
78.5°	20.8	21.1	22.7	22.5	21.4	20.9	20.2	19.3	18.8	18.9	18.4
79°	19.6	19.9	21.4	21.3	20.3	19.8	19.1	18.1	17.6	17.8	17.3
79.5°	18.4	18.7	20.2	20.1	19.1	18.6	17.9	17.0	16.5	16.7	16.2
80°	17.2	17.5	19.1	19.0	18.0	17.5	16.8	15.9	15.4	15.6	15.2
80.5°	16.0	16.4	17.9	17.8	16.9	16.4	15.8	14.8	14.3	14.5	14.1
81°	14.9	15.2	16.8	16.8	15.8	15.4	14.7	13.7	13.3	13.4	13.1
81.5°	13.8	14.1	15.7	15.6	14.8	14.3	13.7	12.7	12.2	12.4	12.0
82°	12.7	13.0	14.6	14.6	13.7	13.2	12.6	11.6	11.2	11.3	11.0
82.5°	11.6	11.9	13.5	13.5	12.6	12.2	11.6	10.6	10.2	10.3	10.0
83°	10.5	10.8	12.5	12.5	11.6	11.2	10.6	9.6	9.2	9.3	9.1
83.5°	9.5	9.8	11.4	11.5	10.6	10.2	9.7	8.6	8.2	8.3	8.2
84°	8.4	8.8	10.4	10.5	9.7	9.3	8.7	7.7	7.2	7.3	7.2
84.5°	7.5	7.7	9.4	9.5	8.7	8.3	7.8	6.7	6.2	6.3	6.3
85°	6.4	6.7	8.5	8.5	7.8	7.4	6.8	5.8	5.3	5.4	5.3
85.5°	5.5	5.7	7.5	7.5	6.8	6.5	5.9	4.9	4.4	4.6	4.4
86°	4.5	4.9	6.6	6.6	5.9	5.5	5.0	4.0	3.6	3.8	3.6
86.5°	3.7	4.1	5.6	5.7	4.9	4.6	4.1	3.3	2.9	3.0	2.7
87°	3.0	3.3	4.8	4.8	4.0	3.8	3.3	2.5	2.1	2.2	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	3.1	3.1	2.3	2.0	1.7	1.2	0.9	0.9	0.4
88.5°	0.9	1.2	2.4	2.4	1.5	1.2	0.9	0.6	0.4	0.4	0.1
89°	0.4	0.5	1.6	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: P640148
 CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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	0.1	0.1	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: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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	0.1	0.1	0.1
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	0.1	0.2	0.2	0.2	0.2
116.5°	0.2	0.2	0.2	0.2	0.1	0.1	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	0.2	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
123.5°	0.3	0.3	0.3	0.2	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	0.2	0.2	0.2
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	0.2	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°	0.3	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	0.3	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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	0.3	0.3	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	0.4
143.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
144°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5
144.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
145°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
145.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
146°	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
146.5°	0.5	0.4	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	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
148°	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
148.5°	0.5	0.5	0.5	0.4	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	0.5	0.5	0.5
153°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
153.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
154°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
154.5°	0.5	0.5	0.5	0.5	0.5	0.5	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: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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	0.6	0.6	0.6
167.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	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°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7
169°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
169.5°	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
170°	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
170.5°	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
171°	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
171.5°	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
172°	0.6	0.6	0.6	0.5	0.6	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	0.6	0.6	0.6	0.6	0.6
173°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
173.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
174°	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.7	0.6	0.6	0.6
174.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
175°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
175.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
176°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
176.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
177°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
177.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
178°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
178.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6
179°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6
179.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6



TEST NUMBER: P640148
CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1048.9	1048.9	1048.9	1048.9	1048.9	1048.9
0.5°	1048.3	1048.5	1048.5	1048.6	1048.7	1048.9
1°	1047.5	1047.9	1047.9	1048.1	1048.5	1048.7
1.5°	1046.7	1047.1	1047.2	1047.4	1047.9	1048.2
2°	1045.7	1046.3	1046.3	1046.6	1047.3	1047.8
2.5°	1044.6	1045.3	1045.3	1045.6	1046.6	1047.0
3°	1043.3	1044.0	1044.0	1044.4	1045.5	1046.3
3.5°	1041.9	1042.6	1042.8	1043.2	1044.2	1045.4
4°	1040.2	1041.0	1041.4	1042.1	1043.0	1044.4
4.5°	1038.6	1039.3	1039.8	1040.5	1041.7	1043.4
5°	1036.8	1037.5	1038.1	1039.1	1040.3	1042.0
5.5°	1034.9	1035.5	1036.3	1037.3	1038.9	1040.5
6°	1032.6	1033.5	1034.3	1035.2	1037.2	1038.9
6.5°	1030.5	1031.2	1032.1	1033.3	1035.4	1037.1
7°	1027.7	1028.9	1029.9	1031.0	1033.3	1035.3
7.5°	1025.2	1026.5	1027.3	1028.9	1031.0	1033.3
8°	1022.5	1023.8	1024.8	1026.4	1028.5	1031.0
8.5°	1019.7	1021.0	1022.1	1023.8	1025.9	1028.7
9°	1016.8	1018.1	1019.2	1021.1	1023.5	1026.2
9.5°	1013.7	1015.1	1016.3	1018.2	1020.7	1023.6
10°	1010.5	1011.9	1013.3	1015.2	1017.8	1020.8
10.5°	1007.1	1008.4	1010.2	1012.1	1014.7	1018.0
11°	1003.4	1005.1	1006.7	1008.7	1011.7	1014.9
11.5°	999.6	1001.5	1003.0	1005.3	1008.4	1011.8
12°	995.7	997.8	999.3	1001.6	1004.9	1008.4
12.5°	991.9	993.9	995.6	998.0	1001.5	1005.1
13°	987.9	989.9	991.7	994.3	997.7	1001.5
13.5°	983.5	985.7	987.5	990.3	993.8	997.7
14°	979.0	981.5	983.3	986.1	989.8	994.0
14.5°	974.6	976.9	979.0	981.9	985.6	989.9
15°	969.9	972.5	974.4	977.5	981.4	985.9
15.5°	965.0	967.6	969.8	972.8	976.8	981.7
16°	959.9	962.7	965.0	968.2	972.4	977.2
16.5°	954.8	957.9	960.1	963.3	967.5	972.6
17°	949.4	952.8	955.0	958.4	962.7	967.7
17.5°	944.0	947.6	949.8	953.3	957.7	962.8
18°	938.6	941.9	944.3	948.0	952.5	957.8
18.5°	933.2	936.6	938.7	942.6	947.0	952.7
19°	927.4	930.8	933.4	937.3	941.7	947.5
19.5°	921.4	925.2	927.7	931.8	936.4	942.0
20°	915.5	919.2	922.0	926.0	930.7	936.6
20.5°	909.0	913.0	915.9	919.9	924.9	930.9
21°	902.6	906.7	909.6	913.8	919.0	925.0
21.5°	896.1	900.4	903.3	907.6	912.9	919.0
22°	889.8	893.9	896.9	901.3	906.6	912.8

TEST NUMBER: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	883.0	887.3	890.4	894.9	900.2	906.6
23°	876.3	880.8	883.7	888.2	893.8	900.2
23.5°	869.3	874.0	876.9	881.5	887.1	893.7
24°	862.1	867.1	870.1	874.6	880.2	887.1
24.5°	855.0	859.9	863.1	867.6	873.3	880.2
25°	847.7	852.5	856.0	860.6	866.6	873.4
25.5°	840.4	845.2	848.7	853.3	859.4	866.4
26°	833.0	837.8	841.3	846.1	852.3	859.4
26.5°	825.4	830.4	833.8	838.7	845.0	852.2
27°	817.9	822.7	826.2	831.3	837.7	844.9
27.5°	810.1	814.9	818.6	823.6	829.9	837.4
28°	802.0	807.0	810.6	815.8	822.3	830.1
28.5°	794.0	799.1	802.8	808.1	814.6	822.0
29°	785.8	791.0	794.8	800.0	806.8	814.7
29.5°	777.6	783.1	786.8	792.1	798.9	806.7
30°	769.3	774.9	778.3	783.9	790.9	798.7
30.5°	761.2	766.6	769.9	775.7	782.7	790.8
31°	752.9	758.2	761.7	767.3	774.4	782.6
31.5°	744.2	749.7	753.3	759.0	766.0	774.4
32°	735.8	741.3	744.9	750.6	757.8	766.1
32.5°	727.2	732.8	736.2	742.0	749.3	757.5
33°	718.6	723.9	727.5	733.3	740.3	749.1
33.5°	709.8	714.9	718.7	724.7	732.0	740.4
34°	701.0	706.1	709.8	715.9	723.4	731.8
34.5°	692.1	697.2	701.0	706.8	714.4	722.8
35°	683.3	688.0	692.0	697.9	705.1	714.0
35.5°	674.7	679.0	683.0	689.2	696.8	705.1
36°	665.6	670.0	674.0	680.0	687.9	696.3
36.5°	656.3	660.9	665.1	670.8	678.8	687.4
37°	646.9	651.4	655.7	661.6	669.3	678.1
37.5°	637.3	642.0	646.2	652.5	660.4	668.9
38°	627.6	632.6	636.7	642.8	651.0	659.4
38.5°	617.8	623.1	627.3	633.6	641.5	650.0
39°	608.2	613.6	617.9	624.0	631.6	640.6
39.5°	598.0	603.5	608.3	614.6	622.3	630.6
40°	587.4	593.2	598.1	604.6	612.5	620.8
40.5°	576.4	582.7	587.5	594.7	602.7	611.0
41°	565.5	571.8	576.9	584.4	592.9	601.3
41.5°	554.3	560.6	565.7	573.6	582.9	591.4
42°	543.1	549.8	554.9	562.8	572.6	581.7
42.5°	531.9	538.5	543.8	552.1	562.0	571.4
43°	520.3	527.3	532.5	540.7	550.9	560.9
43.5°	509.0	515.7	521.1	529.5	539.9	550.1
44°	497.7	504.6	509.9	518.1	528.9	538.8
44.5°	486.3	493.3	498.7	507.1	517.9	528.0

TEST NUMBER: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	475.0	481.9	487.5	495.6	506.6	516.8
45.5°	463.6	470.6	475.8	484.5	495.8	505.9
46°	452.2	459.5	465.0	473.4	484.4	494.8
46.5°	441.0	447.9	453.5	462.5	473.3	483.4
47°	429.8	436.9	442.4	451.1	462.0	472.3
47.5°	418.8	425.5	431.0	440.2	451.1	461.5
48°	407.7	414.5	420.1	428.9	439.9	450.4
48.5°	396.8	403.6	409.1	418.0	429.0	439.6
49°	386.0	392.8	398.4	407.2	418.1	428.5
49.5°	375.2	382.1	387.4	396.4	407.4	417.7
50°	364.6	371.0	376.8	385.4	396.3	406.7
50.5°	353.9	360.4	366.0	374.7	385.9	396.2
51°	343.5	349.9	355.4	364.1	375.1	385.3
51.5°	333.3	338.6	344.9	353.8	364.6	374.9
52°	323.1	328.8	334.9	343.4	354.4	364.4
52.5°	313.1	319.0	324.8	333.3	344.1	354.2
53°	303.0	309.2	314.7	323.3	334.1	343.8
53.5°	293.4	299.4	304.7	313.2	324.1	333.8
54°	283.6	289.6	294.6	303.2	314.2	323.9
54.5°	274.1	280.1	285.1	293.2	304.2	314.0
55°	264.5	270.5	275.7	283.6	294.3	304.1
55.5°	255.2	261.3	266.1	274.0	284.4	294.1
56°	246.1	252.1	256.9	264.6	274.9	284.2
56.5°	237.3	243.0	247.8	255.2	265.6	274.8
57°	228.5	234.1	238.8	246.1	256.3	265.3
57.5°	219.8	225.4	229.7	237.1	247.2	256.1
58°	211.6	217.0	221.2	228.2	238.1	247.0
58.5°	203.1	208.6	212.6	219.4	229.2	237.9
59°	195.0	200.3	204.2	211.0	220.4	228.9
59.5°	187.0	192.1	196.0	202.4	211.9	220.2
60°	179.1	184.1	187.8	194.3	203.3	211.5
60.5°	171.5	176.2	179.9	186.1	194.9	203.0
61°	164.0	168.4	172.2	178.1	186.7	194.7
61.5°	156.7	161.2	164.6	170.2	178.8	186.3
62°	149.5	153.7	157.1	162.7	170.8	178.2
62.5°	142.4	146.5	149.6	155.1	163.0	170.2
63°	135.5	139.5	142.4	147.7	155.3	162.4
63.5°	128.8	132.5	135.5	140.4	147.8	154.7
64°	122.3	125.7	128.7	133.5	140.5	146.9
64.5°	116.0	119.4	122.0	126.7	133.3	139.5
65°	109.8	112.9	115.4	120.0	126.4	132.4
65.5°	103.7	106.7	109.1	113.2	119.5	125.2
66°	97.9	100.5	102.8	107.0	112.8	118.1
66.5°	92.3	94.9	96.9	100.8	106.1	111.3
67°	87.1	89.2	91.2	94.9	100.0	104.6



TEST NUMBER: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	82.1	83.7	85.5	89.1	93.8	98.1
68°	77.0	78.4	80.0	83.5	88.0	92.1
68.5°	71.9	73.4	75.0	78.1	82.3	85.8
69°	66.8	68.6	69.8	72.9	76.7	79.8
69.5°	62.2	63.9	65.2	67.8	71.3	73.8
70°	58.0	59.5	60.6	63.2	66.4	68.2
70.5°	53.8	55.3	56.3	58.6	61.5	62.7
71°	50.0	51.3	52.1	54.3	56.9	57.7
71.5°	46.3	47.6	48.4	50.4	52.5	52.8
72°	42.9	44.1	44.9	46.7	48.4	48.4
72.5°	39.6	40.8	41.5	43.2	44.6	44.2
73°	36.7	37.8	38.4	40.0	41.1	40.7
73.5°	33.9	35.0	35.8	37.2	38.0	37.5
74°	31.5	33.2	33.4	34.6	35.2	34.5
74.5°	29.3	31.4	31.7	32.8	33.3	32.7
75°	27.4	29.6	30.0	31.1	31.4	31.0
75.5°	25.9	27.8	28.4	29.4	29.6	29.3
76°	24.8	26.0	26.7	27.7	27.7	27.6
76.5°	23.6	24.8	25.4	26.0	25.9	25.8
77°	22.4	23.6	24.2	24.7	24.6	24.6
77.5°	21.3	22.4	23.0	23.4	23.3	23.3
78°	20.1	21.2	21.8	22.2	22.1	22.1
78.5°	19.0	20.1	20.6	21.0	20.8	20.8
79°	17.9	18.9	19.4	19.8	19.6	19.6
79.5°	16.8	17.7	18.3	18.6	18.4	18.4
80°	15.7	16.6	17.2	17.4	17.2	17.2
80.5°	14.6	15.6	16.1	16.3	16.1	16.0
81°	13.6	14.5	15.0	15.2	14.9	14.9
81.5°	12.5	13.4	13.9	14.1	13.8	13.8
82°	11.5	12.4	12.8	13.0	12.7	12.7
82.5°	10.5	11.3	11.8	12.0	11.6	11.6
83°	9.5	10.3	10.7	10.9	10.5	10.5
83.5°	8.5	9.3	9.7	9.9	9.4	9.5
84°	7.6	8.3	8.7	8.9	8.4	8.4
84.5°	6.6	7.3	7.7	7.9	7.4	7.5
85°	5.7	6.4	6.7	6.9	6.4	6.4
85.5°	4.7	5.4	5.8	6.0	5.4	5.5
86°	3.8	4.5	4.9	5.0	4.6	4.5
86.5°	2.9	3.6	3.9	4.1	3.8	3.7
87°	2.1	2.8	3.2	3.2	3.0	3.0
87.5°	1.2	2.0	2.4	2.5	2.3	2.3
88°	0.5	1.1	1.7	1.7	1.6	1.6
88.5°	0.1	0.3	0.9	1.0	0.8	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: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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	0.1	0.1	0.1	0.1	0.1
108.5°	0.1	0.2	0.1	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: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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	0.2	0.2	0.2	0.2	0.2
121.5°	0.2	0.3	0.3	0.2	0.2	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	0.3	0.3	0.3	0.3	0.3
132°	0.3	0.4	0.3	0.3	0.3	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°	0.3	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P640148

CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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°	0.4	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	0.4	0.4	0.4	0.4	0.4
145.5°	0.5	0.5	0.4	0.4	0.4	0.4
146°	0.5	0.5	0.5	0.4	0.4	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°	0.5	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: P640148
 CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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°	0.6	0.5	0.5	0.5	0.5	0.5
168°	0.6	0.5	0.5	0.5	0.5	0.5
168.5°	0.6	0.5	0.5	0.5	0.5	0.5
169°	0.7	0.5	0.5	0.5	0.5	0.5
169.5°	0.7	0.5	0.5	0.6	0.6	0.6
170°	0.6	0.5	0.5	0.6	0.6	0.6
170.5°	0.6	0.5	0.5	0.6	0.6	0.6
171°	0.6	0.5	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°	0.6	0.6	0.6	0.6	0.6	0.6
173.5°	0.6	0.6	0.6	0.6	0.6	0.6
174°	0.6	0.6	0.6	0.6	0.6	0.6
174.5°	0.6	0.6	0.6	0.6	0.6	0.6
175°	0.6	0.6	0.6	0.6	0.6	0.6
175.5°	0.6	0.6	0.6	0.6	0.6	0.6
176°	0.6	0.6	0.6	0.6	0.6	0.6
176.5°	0.6	0.6	0.6	0.6	0.6	0.6
177°	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	0.6	0.6	0.6	0.6	0.6	0.6
178°	0.6	0.6	0.6	0.6	0.6	0.6
178.5°	0.6	0.6	0.6	0.6	0.6	0.6
179°	0.6	0.6	0.6	0.6	0.6	0.6
179.5°	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P640148
CATALOG NUMBER: LCR621RD9FSE020-23W-6500K

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)