

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: P640147

Luminaire Tested: LCR621RD9FSE020-23W-5000K

Issue Date: 2/13/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640147  
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-5000K  
Description: LCR 6  
Light Source: 5000K CCT, 93 CRI LEDS  
Ballast/Driver: -

**Summary**

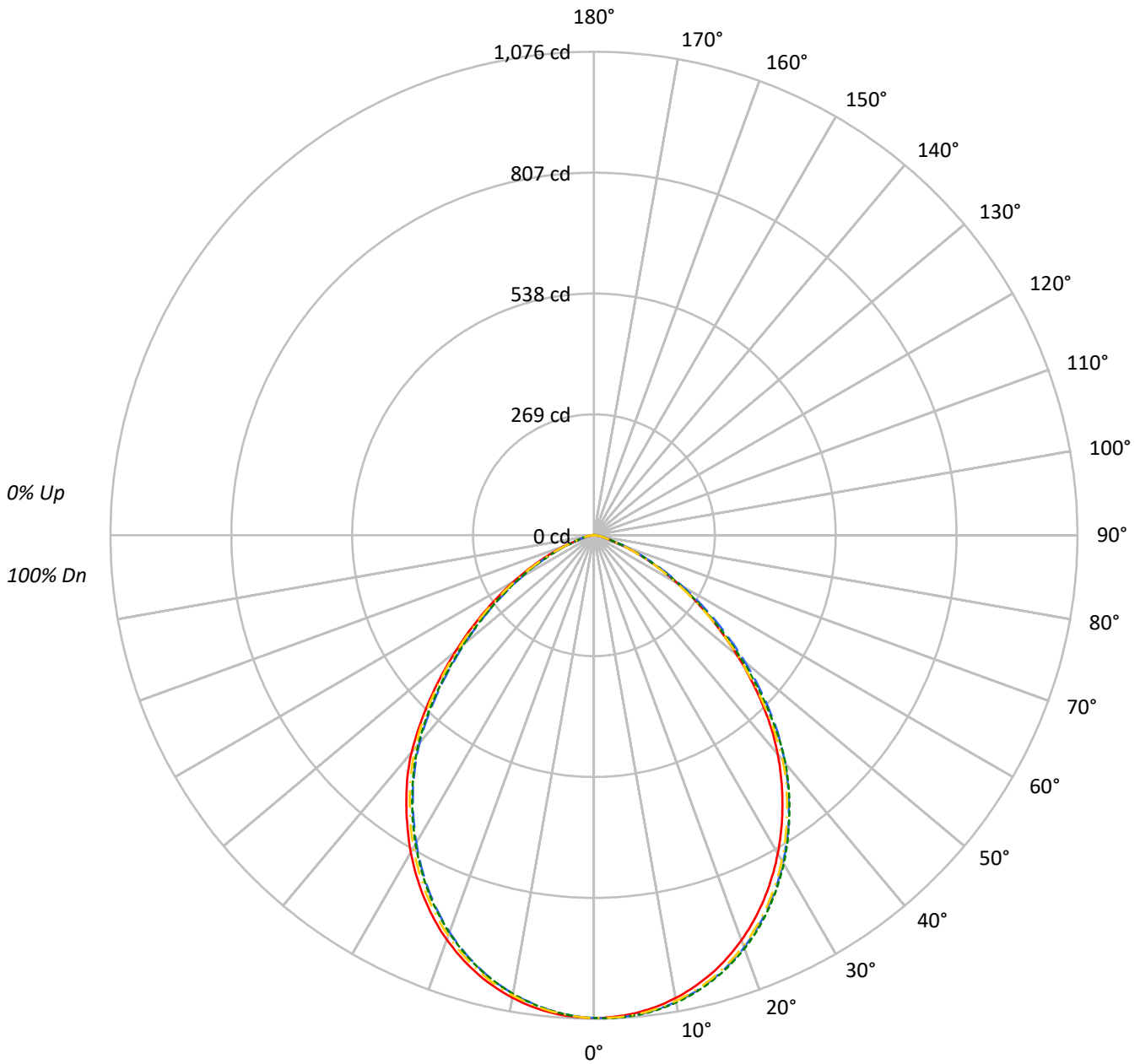
Lumens per Lamp: N/A  
Luminaire Lumens: 2100.0 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.15 / 1.22  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P640147  
CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	58904	58904	58904	58904
5°	58739	59014	58722	58485
10°	58210	58772	58188	57703
15°	57322	58156	57242	56538
20°	55976	57107	55859	54931
25°	54118	55564	53979	52824
30°	51793	53458	51584	50248
35°	48948	50741	48720	47167
40°	45507	47453	45177	43481
45°	41043	42485	40004	38275
50°	35530	36493	34319	32408
55°	29772	30298	28453	26484
60°	23759	24066	22564	20678
65°	17589	17823	16668	15008
70°	11204	11685	10675	9761
75°	6736	6778	6079	6418
80°	5556	5809	4988	5367
85°	4151	5032	3397	4088

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 43051 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.2	4.8
10°-20°	284.2	13.5
20°-30°	411.2	19.6
30°-40°	455.8	21.7
40°-50°	401.3	19.1
50°-60°	269.7	12.8
60°-70°	129.8	6.2
70°-80°	37.2	1.8
80°-90°	8.0	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°	796.6	37.9
0°-40°	1252.4	59.6
0°-60°	1923.4	91.6
0°-90°	2098.3	99.9
90°-120°	0.4	0.0
90°-150°	1.2	0.1
90°-180°	2.0	0.1
0°-180°	2100.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1074	1074	1074	1074	1074	
5°	1067	1072	1067	1063	1067	101
15°	1010	1025	1009	996	1010	284
25°	895	919	892	873	895	411
35°	731	758	728	705	731	456
45°	529	548	516	494	529	407
55°	312	317	298	277	312	279
65°	136	137	128	116	136	136
75°	32	32	29	30	32	38
85°	7	8	5	6	7	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°	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5
0.5°	1074.5	1074.8	1075.0	1075.1	1074.9	1074.9	1074.5	1074.5	1074.3	1074.2	1073.9
1°	1074.3	1074.6	1075.1	1075.5	1075.4	1075.1	1074.7	1074.4	1074.2	1073.6	1073.2
1.5°	1073.8	1074.4	1075.1	1075.6	1075.5	1075.1	1074.9	1074.3	1073.7	1073.0	1072.3
2°	1073.4	1074.0	1075.1	1075.6	1075.5	1075.0	1074.7	1073.9	1073.2	1072.4	1071.2
2.5°	1072.6	1073.6	1074.9	1075.5	1075.3	1074.9	1074.3	1073.6	1072.6	1071.6	1070.3
3°	1071.8	1073.0	1074.6	1075.2	1075.0	1074.4	1073.9	1073.0	1071.8	1070.7	1069.0
3.5°	1070.9	1072.2	1074.0	1074.7	1074.6	1073.8	1073.2	1072.3	1070.9	1069.7	1067.7
4°	1069.9	1071.2	1073.4	1074.2	1074.0	1073.2	1072.4	1071.2	1069.8	1068.5	1066.1
4.5°	1068.9	1070.2	1072.5	1073.6	1073.1	1072.6	1071.5	1070.0	1068.4	1066.9	1064.3
5°	1067.4	1069.0	1071.5	1072.7	1072.4	1071.8	1070.4	1068.8	1067.1	1065.3	1062.5
5.5°	1065.9	1067.7	1070.6	1071.9	1071.4	1070.9	1069.2	1067.5	1065.5	1063.5	1060.6
6°	1064.2	1066.2	1069.5	1070.8	1070.3	1069.7	1068.0	1066.1	1063.7	1061.6	1058.4
6.5°	1062.4	1064.6	1067.9	1069.6	1069.0	1068.3	1066.6	1064.5	1062.0	1059.7	1056.1
7°	1060.6	1062.8	1066.4	1068.1	1067.6	1066.8	1065.0	1062.7	1060.2	1057.4	1053.6
7.5°	1058.5	1060.8	1064.7	1066.6	1065.9	1065.1	1063.3	1060.8	1058.0	1055.1	1051.0
8°	1056.2	1058.7	1063.0	1064.9	1064.1	1063.3	1061.3	1058.7	1055.7	1052.7	1048.2
8.5°	1053.8	1056.4	1061.1	1063.0	1062.0	1061.2	1059.3	1056.4	1053.3	1050.1	1045.5
9°	1051.2	1054.0	1059.0	1061.0	1060.1	1059.3	1057.0	1054.2	1050.7	1047.4	1042.5
9.5°	1048.5	1051.6	1056.6	1058.8	1058.2	1057.0	1054.8	1051.7	1048.1	1044.5	1039.5
10°	1045.7	1048.9	1054.4	1056.7	1055.8	1054.9	1052.4	1049.0	1045.3	1041.5	1036.1
10.5°	1042.9	1046.0	1051.9	1054.2	1053.4	1052.5	1049.8	1046.1	1042.2	1038.4	1032.6
11°	1039.7	1043.2	1049.4	1051.6	1050.8	1049.7	1047.0	1043.2	1039.0	1035.0	1029.0
11.5°	1036.5	1040.0	1046.5	1048.8	1048.1	1047.0	1044.1	1040.0	1035.5	1031.7	1025.2
12°	1033.0	1036.8	1043.6	1046.0	1045.3	1044.1	1040.9	1036.9	1032.1	1028.2	1021.5
12.5°	1029.7	1033.4	1040.5	1043.1	1042.3	1040.9	1037.8	1033.4	1028.7	1024.6	1017.5
13°	1026.0	1030.0	1037.3	1039.9	1039.0	1037.7	1034.6	1030.1	1025.0	1020.7	1013.4
13.5°	1022.0	1026.1	1033.9	1036.7	1035.8	1034.3	1031.1	1026.3	1021.3	1016.5	1009.0
14°	1018.2	1022.3	1030.3	1033.3	1032.2	1030.9	1027.6	1022.5	1017.2	1012.3	1004.5
14.5°	1014.1	1018.2	1026.6	1029.8	1028.4	1027.3	1023.8	1018.7	1013.1	1008.0	999.8
15°	1010.0	1014.2	1022.8	1026.1	1024.7	1023.6	1019.9	1014.7	1008.6	1003.4	995.0
15.5°	1005.6	1009.9	1018.9	1022.3	1020.9	1019.7	1015.7	1010.4	1004.1	998.9	990.2
16°	1001.0	1005.6	1014.9	1018.1	1016.9	1015.5	1011.4	1005.9	999.5	993.9	985.2
16.5°	996.4	1000.9	1010.6	1013.9	1012.8	1011.1	1007.0	1001.3	994.8	989.1	980.0
17°	991.3	996.4	1005.9	1009.6	1008.3	1006.8	1002.6	996.7	990.0	984.0	974.5
17.5°	986.3	991.4	1001.2	1005.1	1003.8	1002.1	997.9	991.8	984.9	978.8	968.9
18°	981.2	986.4	996.7	1000.4	999.0	997.4	993.1	986.7	979.7	973.5	963.4
18.5°	976.0	981.4	991.8	995.8	994.3	992.6	988.2	981.6	974.3	968.0	957.9
19°	970.6	976.2	986.7	990.9	989.3	987.7	983.2	976.3	968.8	962.2	951.9
19.5°	965.0	970.6	981.6	985.8	984.3	982.6	978.0	970.9	963.1	956.6	945.8
20°	959.5	965.1	976.2	980.7	978.9	977.4	972.6	965.3	957.5	950.7	939.7
20.5°	953.6	959.5	970.8	975.3	973.5	971.7	967.1	959.8	951.8	944.6	933.2
21°	947.5	953.7	965.3	969.7	967.9	966.1	961.6	953.8	945.8	938.2	926.8
21.5°	941.4	947.5	959.5	964.1	962.3	960.5	955.5	947.8	939.4	932.0	920.3
22°	935.0	941.4	953.6	958.4	956.6	954.8	949.6	941.6	933.1	925.5	913.7



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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°	928.7	935.1	947.6	952.6	950.8	948.8	943.6	935.2	926.5	918.9	906.7
23°	922.2	928.5	941.4	946.5	944.7	942.7	937.5	928.9	919.9	912.1	900.0
23.5°	915.5	922.1	935.2	940.2	938.4	936.6	930.9	922.5	913.2	905.3	892.7
24°	908.8	915.4	928.8	933.8	931.8	930.1	924.3	915.9	906.5	898.5	885.6
24.5°	901.7	908.6	922.0	927.3	925.2	923.4	917.8	909.1	899.6	891.4	878.2
25°	894.7	901.8	915.2	920.4	918.6	916.8	911.3	901.9	892.4	884.0	870.9
25.5°	887.5	894.8	908.5	913.7	911.8	909.9	904.2	895.1	885.2	876.6	863.3
26°	880.4	887.5	901.4	906.9	904.7	903.0	897.1	887.9	877.8	869.1	855.8
26.5°	873.0	880.1	894.4	900.0	898.0	895.7	889.9	880.5	870.4	861.7	848.0
27°	865.5	872.9	887.1	892.7	890.5	888.6	882.8	873.0	862.6	853.8	840.1
27.5°	857.8	865.2	879.9	885.5	883.0	881.3	875.1	865.5	855.1	846.0	832.1
28°	850.4	857.8	872.4	877.9	875.6	873.7	867.5	857.8	847.5	838.1	823.9
28.5°	842.1	850.1	864.9	870.4	867.9	866.0	859.9	850.2	839.5	830.3	815.9
29°	834.6	842.1	857.4	862.6	860.3	858.5	852.2	842.1	831.6	822.0	807.6
29.5°	826.3	834.1	849.3	855.0	852.4	850.6	844.1	834.3	823.2	814.0	799.1
30°	818.2	826.0	841.2	847.0	844.5	842.6	836.1	826.0	814.9	805.4	790.6
30.5°	810.1	817.9	833.4	839.1	836.4	834.3	827.8	817.8	806.7	797.0	782.0
31°	801.7	809.5	825.3	830.8	828.0	826.3	819.8	809.2	798.1	788.3	773.6
31.5°	793.3	801.2	816.7	822.6	819.5	817.8	811.2	800.9	789.6	779.8	764.7
32°	784.7	792.9	808.3	813.9	811.0	809.3	802.6	792.2	780.8	771.2	756.0
32.5°	776.0	784.2	800.0	805.4	802.6	800.5	794.1	783.7	772.5	762.4	747.3
33°	767.4	775.5	791.7	796.9	793.8	792.1	785.2	774.8	763.4	753.6	738.4
33.5°	758.5	766.7	783.0	788.0	784.8	783.1	776.5	766.0	754.8	745.0	729.5
34°	749.6	758.0	774.2	779.1	776.2	774.2	767.5	757.3	745.8	736.0	720.5
34.5°	740.4	749.0	765.1	770.3	767.0	764.9	758.4	748.3	737.1	726.7	711.6
35°	731.4	739.7	756.0	761.1	758.2	755.9	749.6	739.4	728.0	717.4	702.7
35.5°	722.3	730.4	746.9	751.9	748.9	747.0	740.5	730.3	718.9	708.2	693.7
36°	713.3	721.2	737.9	742.9	740.1	738.0	731.2	721.1	709.8	698.9	684.4
36.5°	704.1	712.1	728.7	733.9	730.7	728.6	722.0	712.0	700.7	690.9	674.6
37°	694.7	702.7	719.4	724.4	721.3	719.2	712.7	702.8	691.6	681.4	664.9
37.5°	685.2	692.9	710.2	714.9	711.9	709.8	703.5	693.7	682.2	671.8	655.0
38°	675.4	683.1	700.6	705.3	702.5	700.5	694.2	684.1	672.6	662.0	645.1
38.5°	665.8	673.5	690.9	695.5	693.1	691.1	684.6	674.3	663.0	652.1	635.2
39°	656.2	664.0	680.9	685.6	683.4	681.2	674.5	664.2	652.6	642.3	625.3
39.5°	645.9	654.1	671.0	676.0	673.4	670.8	663.9	653.4	642.4	632.2	614.6
40°	635.9	644.0	661.1	665.8	663.1	660.0	652.8	642.7	631.3	621.5	603.7
40.5°	625.9	634.2	651.1	655.8	652.4	649.0	641.6	631.2	620.3	610.3	592.6
41°	616.0	624.0	641.1	645.8	641.6	637.8	630.3	620.0	608.8	599.0	581.4
41.5°	605.9	614.0	631.1	635.2	630.3	626.4	618.8	608.7	597.4	587.6	569.7
42°	595.9	604.0	620.6	624.4	619.0	614.7	607.2	597.1	585.7	576.1	558.2
42.5°	585.3	593.1	610.0	613.1	607.5	602.7	595.8	585.4	574.3	564.7	546.7
43°	574.6	582.3	599.3	601.9	595.6	591.0	583.7	573.9	562.8	553.2	535.1
43.5°	563.5	571.2	588.1	590.4	583.8	579.1	572.0	562.2	551.2	541.4	523.3
44°	551.9	559.8	576.6	578.8	571.9	567.1	560.2	550.5	539.2	529.6	511.7
44.5°	540.9	548.9	565.0	567.1	559.9	555.0	548.3	538.6	527.6	518.1	500.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	529.4	537.4	554.0	555.3	548.0	543.1	536.3	526.8	516.0	506.6	488.5
45.5°	518.3	526.2	542.5	543.5	535.9	531.1	524.4	515.1	504.5	494.8	476.9
46°	506.9	514.7	531.2	531.9	523.8	519.0	512.5	503.3	492.9	483.3	465.4
46.5°	495.2	503.3	519.5	519.7	511.8	506.9	500.8	491.7	481.3	471.8	453.7
47°	483.9	491.8	507.8	507.8	499.8	494.6	488.9	480.0	469.7	460.3	442.2
47.5°	472.8	480.5	496.3	495.9	487.5	482.5	476.8	468.3	458.2	448.8	431.1
48°	461.4	469.4	484.8	484.1	475.5	470.5	465.0	456.9	446.9	437.4	419.6
48.5°	450.3	458.2	473.3	472.3	463.6	458.7	453.4	445.5	435.5	426.4	408.5
49°	439.0	446.8	461.8	460.7	451.6	446.9	441.7	434.0	424.3	415.3	397.4
49.5°	427.9	435.8	450.4	448.7	439.8	435.2	430.2	422.9	413.2	404.3	386.6
50°	416.6	424.4	438.9	437.2	427.9	423.4	418.5	411.4	402.4	393.4	375.5
50.5°	405.9	413.3	427.3	425.4	416.3	411.8	407.0	400.2	391.5	382.4	364.8
51°	394.7	402.1	416.0	414.1	404.7	400.3	395.6	389.3	380.3	371.6	354.1
51.5°	384.0	391.4	404.8	402.6	393.5	389.0	384.5	378.3	369.6	361.2	343.6
52°	373.3	380.6	393.6	391.5	382.2	377.8	373.1	367.6	359.3	350.6	332.9
52.5°	362.8	369.7	382.5	380.1	370.8	366.5	362.1	356.5	348.4	340.1	323.0
53°	352.2	358.6	371.7	368.9	359.8	355.5	351.1	345.9	338.1	329.8	312.7
53.5°	342.0	348.9	360.5	357.6	348.9	344.8	340.4	335.2	327.7	319.7	302.7
54°	331.8	338.5	350.1	345.1	338.0	333.8	329.8	324.8	317.8	309.5	292.8
54.5°	321.6	328.1	339.5	335.0	327.4	323.3	319.0	314.3	307.6	299.6	283.5
55°	311.5	317.6	328.8	324.8	317.0	312.7	308.8	304.5	297.7	290.0	273.4
55.5°	301.3	307.2	318.2	314.7	306.5	302.5	298.5	294.2	287.9	280.3	264.1
56°	291.2	296.8	307.5	304.5	296.2	292.0	288.3	284.3	278.3	270.6	254.7
56.5°	281.5	286.9	296.9	294.3	286.2	282.0	278.4	274.5	268.6	261.2	245.6
57°	271.8	276.9	286.8	284.2	276.1	272.0	268.3	264.9	259.2	252.0	236.5
57.5°	262.3	267.1	276.7	274.1	266.3	262.3	258.7	255.3	250.0	243.0	227.7
58°	253.1	257.5	266.7	264.3	256.5	252.6	249.2	246.1	241.0	233.9	219.1
58.5°	243.7	248.0	257.2	254.7	247.3	243.2	239.8	236.8	232.0	225.2	210.6
59°	234.5	238.7	247.4	245.1	237.8	233.8	230.5	227.7	223.1	216.6	202.0
59.5°	225.6	229.5	237.9	235.8	228.6	224.7	221.4	218.7	214.4	208.0	193.8
60°	216.7	220.3	228.3	226.5	219.5	215.5	212.4	209.8	205.8	199.6	185.8
60.5°	208.0	211.3	219.3	217.4	210.6	206.7	203.6	201.3	197.5	191.3	178.1
61°	199.4	202.5	210.1	208.4	201.7	198.1	195.2	192.9	189.2	183.3	170.3
61.5°	190.8	194.0	201.3	199.7	193.4	189.7	186.7	184.6	181.1	175.5	162.6
62°	182.5	185.2	192.5	191.2	184.8	181.4	178.3	176.3	173.2	167.8	155.2
62.5°	174.3	176.9	184.1	182.6	176.5	173.2	170.2	168.3	165.4	160.1	147.8
63°	166.3	168.7	175.8	174.3	168.1	165.1	162.3	160.5	157.6	152.6	140.9
63.5°	158.4	160.6	167.6	166.2	160.3	157.0	154.4	152.7	150.1	145.3	134.0
64°	150.5	152.7	159.3	158.2	152.5	149.5	146.9	145.3	142.7	138.3	127.2
64.5°	142.9	145.0	151.6	150.3	144.9	141.9	139.3	137.9	135.6	131.4	120.7
65°	135.6	137.3	143.9	142.7	137.4	134.5	132.3	130.7	128.5	124.5	114.4
65.5°	128.3	129.7	136.5	135.3	130.0	127.3	125.1	123.7	121.7	117.9	108.0
66°	121.0	122.7	129.0	128.0	122.9	120.3	118.2	116.9	115.0	111.5	102.1
66.5°	114.1	115.7	121.9	120.9	115.9	113.5	111.5	110.2	108.5	105.2	96.2
67°	107.2	108.7	115.0	114.0	109.1	106.9	105.1	103.6	102.1	99.2	90.7





TEST NUMBER: P640147

CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	100.5	102.1	108.3	107.1	102.6	100.3	98.7	97.4	95.9	93.2	85.5
68°	94.3	95.7	101.6	100.6	96.1	94.1	92.7	91.5	90.1	87.9	80.3
68.5°	87.9	89.4	95.5	94.3	90.3	88.5	87.1	85.9	84.2	82.5	75.1
69°	81.8	83.4	89.2	88.3	84.5	82.8	81.4	80.3	78.4	77.1	69.9
69.5°	75.6	77.6	83.4	82.3	78.7	77.2	75.8	74.7	72.5	71.8	65.0
70°	69.9	72.1	77.5	76.5	72.9	71.5	70.1	69.1	66.6	66.4	60.7
70.5°	64.2	66.6	72.2	71.2	67.1	65.9	65.0	64.1	61.5	61.6	56.3
71°	59.1	61.5	66.9	65.9	62.0	61.1	60.2	59.2	56.5	57.1	52.2
71.5°	54.1	56.7	62.0	61.0	57.2	56.2	55.6	54.5	52.0	52.8	48.3
72°	49.5	52.1	57.3	56.2	52.7	51.7	51.3	50.1	47.7	48.7	44.8
72.5°	45.3	47.8	52.9	51.9	48.4	47.6	47.2	46.1	43.9	44.9	41.3
73°	41.7	44.0	48.7	47.8	44.4	43.7	43.4	42.3	40.2	41.4	38.1
73.5°	38.4	40.6	45.0	44.0	40.8	40.1	39.9	38.9	37.0	38.2	35.2
74°	35.3	37.4	41.4	40.5	37.6	36.9	36.7	35.7	34.0	35.2	32.6
74.5°	33.5	34.6	38.2	37.3	34.7	34.0	33.9	33.0	31.3	32.4	30.1
75°	31.8	32.8	35.3	34.3	32.0	31.5	31.2	30.4	28.7	29.8	27.9
75.5°	30.0	30.9	33.3	32.4	29.9	29.2	28.9	28.1	27.2	27.6	26.1
76°	28.2	29.1	31.4	30.5	28.2	27.6	27.0	26.0	25.5	25.5	24.8
76.5°	26.5	27.2	29.5	28.6	26.9	26.3	25.6	24.5	23.9	24.0	23.5
77°	25.2	25.4	27.6	26.7	25.7	25.1	24.4	23.2	22.7	22.8	22.4
77.5°	23.9	24.1	25.7	25.5	24.4	23.8	23.1	22.1	21.6	21.7	21.2
78°	22.6	22.8	24.5	24.3	23.2	22.6	21.9	20.9	20.4	20.5	20.0
78.5°	21.3	21.6	23.2	23.0	22.0	21.4	20.7	19.7	19.2	19.4	18.9
79°	20.1	20.4	21.9	21.8	20.8	20.3	19.5	18.6	18.1	18.2	17.8
79.5°	18.8	19.1	20.7	20.6	19.6	19.1	18.4	17.4	16.9	17.1	16.6
80°	17.6	17.9	19.5	19.4	18.4	17.9	17.2	16.3	15.8	16.0	15.5
80.5°	16.4	16.8	18.4	18.3	17.3	16.8	16.1	15.2	14.7	14.8	14.5
81°	15.2	15.6	17.2	17.2	16.2	15.7	15.1	14.0	13.6	13.7	13.4
81.5°	14.1	14.4	16.1	16.0	15.1	14.6	14.0	13.0	12.5	12.7	12.3
82°	13.0	13.3	14.9	14.9	14.0	13.6	12.9	11.9	11.4	11.6	11.3
82.5°	11.9	12.2	13.9	13.8	12.9	12.5	11.9	10.8	10.4	10.5	10.3
83°	10.8	11.1	12.8	12.8	11.9	11.5	10.9	9.8	9.4	9.5	9.3
83.5°	9.7	10.0	11.7	11.7	10.9	10.5	9.9	8.8	8.4	8.5	8.4
84°	8.6	9.0	10.7	10.7	9.9	9.5	8.9	7.9	7.4	7.5	7.4
84.5°	7.6	7.9	9.7	9.7	8.9	8.6	8.0	6.9	6.4	6.5	6.4
85°	6.6	6.9	8.7	8.7	8.0	7.6	7.0	5.9	5.4	5.5	5.4
85.5°	5.6	5.9	7.7	7.7	7.0	6.6	6.1	5.0	4.5	4.7	4.5
86°	4.6	5.0	6.7	6.8	6.0	5.7	5.1	4.1	3.7	3.9	3.7
86.5°	3.8	4.2	5.8	5.8	5.1	4.7	4.2	3.3	3.0	3.0	2.8
87°	3.1	3.3	4.9	4.9	4.1	3.9	3.4	2.5	2.2	2.3	1.9
87.5°	2.4	2.6	4.0	4.0	3.3	3.0	2.6	1.9	1.5	1.6	1.1
88°	1.6	1.9	3.2	3.2	2.4	2.1	1.8	1.2	0.9	1.0	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	1.7	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: P640147

CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**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°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109°	0.2	0.2	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: P640147

CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**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°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121.5°	0.3	0.3	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	0.3	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	0.3	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	0.3	0.3	0.3	0.3	0.3
127°	0.3	0.3	0.3	0.3	0.3	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	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°	0.4	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	0.4	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	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
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: P640147  
 CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**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	0.4	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	0.4	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	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	0.5
143°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5
143.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
144°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
144.5°	0.5	0.4	0.4	0.4	0.5	0.5	0.5	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	0.5	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	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	0.5	0.5	0.5	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	0.6
152°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
152.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
153°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
153.5°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
154°	0.5	0.5	0.5	0.5	0.6	0.6	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: P640147  
 CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**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	0.7	0.6	0.6
165.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7
166°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7
166.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7
167°	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7
167.5°	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7
168°	0.6	0.6	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
168.5°	0.6	0.6	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
169°	0.6	0.6	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
169.5°	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
170°	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
170.5°	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
171°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
171.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
172°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
173°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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	0.7
177.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
178°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
178.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
179°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
179.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P640147  
CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P640147

CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5
0.5°	1073.9	1074.1	1074.1	1074.2	1074.3	1074.5
1°	1073.1	1073.5	1073.5	1073.7	1074.1	1074.3
1.5°	1072.3	1072.7	1072.8	1073.0	1073.5	1073.8
2°	1071.2	1071.8	1071.8	1072.2	1072.9	1073.4
2.5°	1070.1	1070.8	1070.8	1071.1	1072.1	1072.6
3°	1068.7	1069.5	1069.5	1069.9	1071.0	1071.8
3.5°	1067.3	1068.0	1068.2	1068.6	1069.7	1070.9
4°	1065.6	1066.4	1066.8	1067.5	1068.4	1069.9
4.5°	1063.9	1064.6	1065.1	1065.9	1067.1	1068.9
5°	1062.0	1062.8	1063.4	1064.4	1065.7	1067.4
5.5°	1060.2	1060.8	1061.5	1062.6	1064.2	1065.9
6°	1057.8	1058.7	1059.6	1060.5	1062.5	1064.2
6.5°	1055.6	1056.4	1057.3	1058.5	1060.7	1062.4
7°	1052.8	1054.0	1055.0	1056.2	1058.5	1060.6
7.5°	1050.2	1051.5	1052.4	1054.0	1056.2	1058.5
8°	1047.4	1048.7	1049.8	1051.4	1053.6	1056.2
8.5°	1044.6	1045.9	1047.0	1048.7	1050.9	1053.8
9°	1041.6	1043.0	1044.1	1046.0	1048.4	1051.2
9.5°	1038.4	1039.9	1041.1	1043.1	1045.5	1048.5
10°	1035.1	1036.6	1038.0	1040.0	1042.7	1045.7
10.5°	1031.6	1033.0	1034.8	1036.8	1039.5	1042.9
11°	1027.9	1029.7	1031.2	1033.3	1036.4	1039.7
11.5°	1024.0	1026.0	1027.5	1029.9	1033.0	1036.5
12°	1020.0	1022.1	1023.7	1026.1	1029.5	1033.0
12.5°	1016.0	1018.1	1019.9	1022.3	1025.9	1029.7
13°	1012.0	1014.1	1015.8	1018.5	1022.0	1026.0
13.5°	1007.5	1009.8	1011.6	1014.5	1018.0	1022.0
14°	1002.9	1005.4	1007.3	1010.2	1014.0	1018.2
14.5°	998.4	1000.7	1002.8	1005.8	1009.7	1014.1
15°	993.6	996.2	998.2	1001.3	1005.3	1010.0
15.5°	988.5	991.2	993.4	996.6	1000.6	1005.6
16°	983.3	986.2	988.6	991.8	996.1	1001.0
16.5°	978.0	981.3	983.5	986.8	991.1	996.4
17°	972.5	976.0	978.3	981.8	986.2	991.3
17.5°	967.0	970.7	973.0	976.5	981.1	986.3
18°	961.5	964.9	967.4	971.1	975.7	981.2
18.5°	955.9	959.4	961.6	965.6	970.1	976.0
19°	950.0	953.5	956.2	960.1	964.7	970.6
19.5°	943.9	947.7	950.4	954.5	959.3	965.0
20°	937.8	941.6	944.5	948.5	953.4	959.5
20.5°	931.2	935.3	938.3	942.3	947.5	953.6
21°	924.7	928.8	931.8	936.1	941.4	947.5
21.5°	918.0	922.3	925.3	929.8	935.2	941.4
22°	911.5	915.7	918.7	923.3	928.8	935.0



TEST NUMBER: P640147

CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	904.5	909.0	912.1	916.7	922.2	928.7
23°	897.7	902.2	905.2	909.9	915.6	922.2
23.5°	890.5	895.3	898.3	903.0	908.7	915.5
24°	883.2	888.2	891.3	895.9	901.7	908.8
24.5°	875.8	880.9	884.1	888.8	894.6	901.7
25°	868.4	873.3	876.9	881.6	887.7	894.7
25.5°	860.9	865.8	869.4	874.1	880.3	887.5
26°	853.4	858.2	861.9	866.7	873.1	880.4
26.5°	845.5	850.6	854.1	859.1	865.6	873.0
27°	837.9	842.7	846.4	851.6	858.1	865.5
27.5°	829.8	834.8	838.6	843.7	850.2	857.8
28°	821.6	826.7	830.4	835.7	842.4	850.4
28.5°	813.3	818.6	822.4	827.8	834.4	842.1
29°	805.0	810.3	814.2	819.6	826.5	834.6
29.5°	796.5	802.2	805.9	811.4	818.4	826.3
30°	788.1	793.8	797.3	803.0	810.2	818.2
30.5°	779.8	785.3	788.7	794.6	801.8	810.1
31°	771.3	776.7	780.3	786.0	793.3	801.7
31.5°	762.4	768.0	771.7	777.6	784.7	793.3
32°	753.8	759.4	763.1	768.9	776.3	784.7
32.5°	745.0	750.6	754.1	760.1	767.5	776.0
33°	736.2	741.5	745.2	751.2	758.4	767.4
33.5°	727.1	732.4	736.2	742.3	749.9	758.5
34°	718.1	723.3	727.1	733.4	741.0	749.6
34.5°	709.0	714.2	718.1	724.1	731.8	740.4
35°	699.9	704.8	708.9	714.9	722.3	731.4
35.5°	691.2	695.6	699.6	706.0	713.8	722.3
36°	681.8	686.4	690.5	696.5	704.7	713.3
36.5°	672.3	677.0	681.3	687.1	695.3	704.1
37°	662.6	667.3	671.7	677.7	685.7	694.7
37.5°	652.8	657.7	661.9	668.4	676.5	685.2
38°	642.9	648.1	652.2	658.5	666.9	675.4
38.5°	632.9	638.3	642.6	649.0	657.1	665.8
39°	623.0	628.5	633.0	639.2	647.0	656.2
39.5°	612.5	618.3	623.1	629.5	637.5	645.9
40°	601.7	607.6	612.7	619.4	627.5	635.9
40.5°	590.4	596.9	601.9	609.2	617.4	625.9
41°	579.3	585.8	590.9	598.6	607.4	616.0
41.5°	567.9	574.3	579.5	587.6	597.1	605.9
42°	556.3	563.2	568.5	576.6	586.6	595.9
42.5°	544.9	551.7	557.1	565.5	575.7	585.3
43°	533.0	540.1	545.5	553.9	564.4	574.6
43.5°	521.4	528.3	533.8	542.5	553.1	563.5
44°	509.8	517.0	522.4	530.8	541.8	551.9
44.5°	498.2	505.3	510.9	519.5	530.6	540.9



TEST NUMBER: P640147

CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	486.5	493.7	499.4	507.7	518.9	529.4
45.5°	474.9	482.1	487.4	496.3	507.9	518.3
46°	463.2	470.7	476.3	485.0	496.2	506.9
46.5°	451.7	458.9	464.6	473.8	484.8	495.2
47°	440.3	447.5	453.2	462.2	473.2	483.9
47.5°	429.0	435.9	441.5	450.9	462.1	472.8
48°	417.6	424.6	430.4	439.3	450.6	461.4
48.5°	406.5	413.4	419.1	428.1	439.5	450.3
49°	395.4	402.4	408.2	417.1	428.3	439.0
49.5°	384.4	391.4	396.9	406.1	417.3	427.9
50°	373.5	380.0	386.0	394.8	406.0	416.6
50.5°	362.6	369.2	374.9	383.8	395.3	405.9
51°	351.8	358.4	364.1	373.0	384.3	394.7
51.5°	341.4	346.9	353.4	362.4	373.5	384.0
52°	331.0	336.8	343.0	351.7	363.1	373.3
52.5°	320.7	326.7	332.7	341.4	352.5	362.8
53°	310.4	316.7	322.4	331.2	342.2	352.2
53.5°	300.5	306.7	312.1	320.9	332.1	342.0
54°	290.5	296.7	301.8	310.6	321.9	331.8
54.5°	280.8	287.0	292.0	300.3	311.7	321.6
55°	271.0	277.1	282.4	290.5	301.5	311.5
55.5°	261.5	267.6	272.6	280.7	291.4	301.3
56°	252.1	258.2	263.1	271.1	281.6	291.2
56.5°	243.1	248.9	253.8	261.4	272.1	281.5
57°	234.1	239.8	244.6	252.1	262.5	271.8
57.5°	225.2	230.9	235.3	242.8	253.2	262.3
58°	216.7	222.2	226.6	233.8	243.9	253.1
58.5°	208.1	213.7	217.8	224.8	234.8	243.7
59°	199.7	205.2	209.2	216.1	225.8	234.5
59.5°	191.6	196.8	200.8	207.4	217.0	225.6
60°	183.4	188.6	192.4	199.0	208.3	216.7
60.5°	175.6	180.5	184.3	190.6	199.7	208.0
61°	168.0	172.5	176.4	182.5	191.3	199.4
61.5°	160.5	165.1	168.6	174.3	183.1	190.8
62°	153.1	157.4	161.0	166.7	175.0	182.5
62.5°	145.9	150.0	153.2	158.9	166.9	174.3
63°	138.8	142.9	145.9	151.3	159.1	166.3
63.5°	131.9	135.8	138.8	143.8	151.4	158.4
64°	125.3	128.8	131.8	136.8	144.0	150.5
64.5°	118.8	122.3	124.9	129.8	136.5	142.9
65°	112.5	115.7	118.3	123.0	129.5	135.6
65.5°	106.3	109.3	111.7	115.9	122.4	128.3
66°	100.3	103.0	105.3	109.6	115.6	121.0
66.5°	94.5	97.2	99.3	103.3	108.7	114.1
67°	89.3	91.4	93.4	97.2	102.4	107.2



TEST NUMBER: P640147

CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	84.1	85.7	87.6	91.3	96.1	100.5
68°	78.8	80.3	82.0	85.5	90.1	94.3
68.5°	73.6	75.2	76.8	80.0	84.3	87.9
69°	68.4	70.2	71.5	74.6	78.6	81.8
69.5°	63.8	65.5	66.8	69.4	73.0	75.6
70°	59.4	60.9	62.1	64.7	68.0	69.9
70.5°	55.2	56.6	57.6	60.0	63.0	64.2
71°	51.3	52.5	53.4	55.7	58.3	59.1
71.5°	47.4	48.7	49.6	51.6	53.8	54.1
72°	43.9	45.2	46.0	47.8	49.6	49.5
72.5°	40.6	41.8	42.5	44.2	45.7	45.3
73°	37.6	38.7	39.3	41.0	42.1	41.7
73.5°	34.8	35.9	36.6	38.1	38.9	38.4
74°	32.3	34.0	34.2	35.4	36.1	35.3
74.5°	30.0	32.2	32.5	33.6	34.1	33.5
75°	28.1	30.3	30.8	31.9	32.2	31.8
75.5°	26.5	28.5	29.1	30.1	30.3	30.0
76°	25.4	26.6	27.3	28.4	28.4	28.2
76.5°	24.1	25.4	26.0	26.6	26.5	26.5
77°	23.0	24.2	24.8	25.3	25.2	25.2
77.5°	21.8	22.9	23.5	24.0	23.9	23.9
78°	20.6	21.7	22.3	22.7	22.6	22.6
78.5°	19.5	20.5	21.1	21.5	21.4	21.3
79°	18.3	19.4	19.9	20.3	20.1	20.1
79.5°	17.2	18.2	18.7	19.1	18.9	18.8
80°	16.1	17.0	17.6	17.8	17.6	17.6
80.5°	15.0	16.0	16.4	16.7	16.5	16.4
81°	13.9	14.9	15.3	15.6	15.3	15.2
81.5°	12.8	13.8	14.2	14.4	14.1	14.1
82°	11.8	12.7	13.1	13.3	13.0	13.0
82.5°	10.7	11.6	12.0	12.3	11.9	11.9
83°	9.7	10.6	11.0	11.2	10.7	10.8
83.5°	8.7	9.5	9.9	10.1	9.7	9.7
84°	7.8	8.5	8.9	9.1	8.6	8.6
84.5°	6.8	7.5	7.9	8.1	7.5	7.6
85°	5.8	6.5	6.9	7.1	6.5	6.6
85.5°	4.8	5.6	5.9	6.1	5.6	5.6
86°	3.9	4.6	5.0	5.2	4.7	4.6
86.5°	3.0	3.7	4.0	4.2	3.8	3.8
87°	2.1	2.8	3.3	3.3	3.1	3.1
87.5°	1.2	2.0	2.5	2.5	2.4	2.4
88°	0.5	1.2	1.7	1.8	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: P640147

CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**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	0.2	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	0.2	0.2	0.2
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: P640147  
 CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**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°	0.2	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	0.3	0.2	0.2	0.2	0.2
121°	0.2	0.3	0.3	0.3	0.2	0.3
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°	0.3	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	0.4	0.3	0.3	0.3	0.4
131.5°	0.3	0.4	0.4	0.3	0.4	0.4
132°	0.3	0.4	0.4	0.4	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°	0.4	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: P640147

CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**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°	0.5	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	0.5	0.4	0.4	0.4	0.4
144.5°	0.5	0.5	0.5	0.5	0.4	0.5
145°	0.5	0.5	0.5	0.5	0.5	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°	0.6	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: P640147  
 CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**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°	0.7	0.5	0.5	0.5	0.5	0.5
166.5°	0.7	0.5	0.5	0.5	0.5	0.5
167°	0.7	0.5	0.5	0.5	0.6	0.6
167.5°	0.7	0.5	0.5	0.6	0.6	0.6
168°	0.7	0.5	0.5	0.6	0.6	0.6
168.5°	0.7	0.5	0.5	0.6	0.6	0.6
169°	0.7	0.5	0.6	0.6	0.6	0.6
169.5°	0.7	0.6	0.6	0.6	0.6	0.6
170°	0.7	0.6	0.6	0.6	0.6	0.6
170.5°	0.7	0.6	0.6	0.6	0.6	0.6
171°	0.7	0.6	0.6	0.6	0.6	0.6
171.5°	0.7	0.6	0.6	0.6	0.6	0.6
172°	0.7	0.6	0.6	0.6	0.6	0.6
172.5°	0.7	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	0.7	0.7	0.7	0.6	0.6
179.5°	0.7	0.7	0.7	0.7	0.7	0.6



TEST NUMBER: P640147  
CATALOG NUMBER: LCR621RD9FSE020-23W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)