

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: P640208

Luminaire Tested: LCR810RD9FSE020-12W-6500K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2208047B001)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: LCR810RD9FSE020-12W-6500K
Description: LCR 8
Light Source: 6500K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

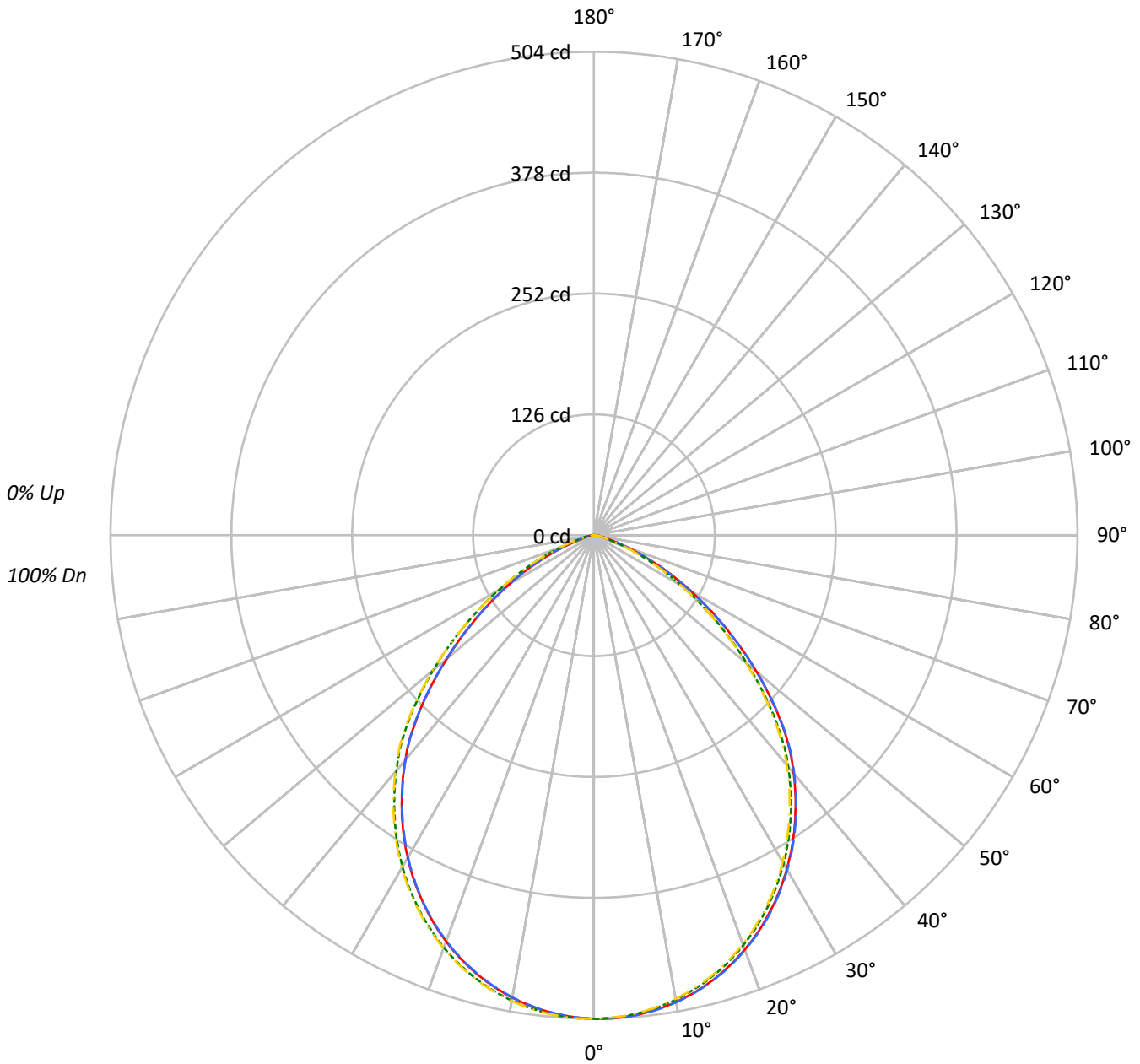
Lumens per Lamp: N/A
Luminaire Lumens: 1040.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.26
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P640208
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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	93	92	90	88	88	88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77	77	77
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67	67	67
4	88	77	69	64	85	76	69	63	73	67	62	71	66	62	69	65	61	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	54	63	58	54	52	52	52
6	75	63	55	50	74	62	55	49	61	54	49	59	53	49	58	52	48	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	47	43	41	41	41
8	66	53	45	40	64	52	45	40	51	44	40	50	44	39	49	43	39	37	37	37
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34	34	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15542	15542	15542	15542
5°	15539	15505	15468	15517
10°	15465	15390	15330	15424
15°	15317	15202	15103	15257
20°	15085	14934	14783	15006
25°	14753	14562	14365	14661
30°	14314	14079	13826	14211
35°	13751	13462	13149	13631
40°	13034	12684	12318	12897
45°	12040	11530	11129	11914
50°	10607	10012	9604	10487
55°	8973	8317	7967	8855
60°	7222	6543	6260	7105
65°	5378	4699	4378	5268
70°	3354	2885	2552	3390
75°	1835	1585	1454	1894
80°	1474	1350	1172	1545
85°	1203	1061	743	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 12080 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	4.6
10°-20°	134.3	12.9
20°-30°	197.1	19.0
30°-40°	223.7	21.5
40°-50°	205.0	19.7
50°-60°	142.0	13.6
60°-70°	68.1	6.5
70°-80°	17.8	1.7
80°-90°	3.7	0.4
90°-100°	0.0	0.0
100°-110°	0.1	0.0
110°-120°	0.1	0.0
120°-130°	0.1	0.0
130°-140°	0.2	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	378.9	36.4
0°-40°	602.6	57.9
0°-60°	949.6	91.3
0°-90°	1039.2	99.9
90°-120°	0.2	0.0
90°-150°	0.6	0.1
90°-180°	1.0	0.1
0°-180°	1040.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	504	504	504	504	504	
5°	502	501	500	501	502	48
15°	480	476	473	478	480	135
25°	434	428	422	431	434	199
35°	365	358	349	362	365	228
45°	276	264	255	273	276	212
55°	167	155	148	165	167	149
65°	74	64	60	72	74	74
75°	15	13	12	16	15	19
85°	3	3	2	4	3	4
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	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0
0.5°	504.1	504.1	504.1	504.1	504.0	504.0	503.9	503.9	503.8	503.9	503.8
1°	504.1	504.1	504.1	504.1	504.0	503.8	503.8	503.8	503.6	503.7	503.6
1.5°	504.0	504.0	504.1	504.0	503.8	503.7	503.6	503.6	503.3	503.5	503.3
2°	504.0	503.9	504.0	503.9	503.6	503.4	503.3	503.3	503.0	503.1	502.9
2.5°	503.8	503.7	503.8	503.7	503.2	503.1	502.9	502.9	502.6	502.8	502.5
3°	503.6	503.4	503.6	503.5	502.8	502.7	502.6	502.5	502.2	502.3	502.0
3.5°	503.3	503.1	503.4	503.2	502.4	502.3	502.1	502.1	501.7	501.8	501.5
4°	502.9	502.8	503.1	502.8	502.0	501.8	501.6	501.6	501.1	501.3	500.9
4.5°	502.5	502.3	502.7	502.4	501.5	501.3	501.1	501.0	500.5	500.6	500.3
5°	502.0	501.8	502.2	501.9	500.9	500.7	500.4	500.4	499.7	500.0	499.6
5.5°	501.5	501.3	501.7	501.4	500.2	500.0	499.7	499.6	499.0	499.2	498.8
6°	500.9	500.7	501.1	500.8	499.4	499.2	499.0	498.9	498.2	498.5	498.0
6.5°	500.3	500.1	500.4	500.1	498.6	498.4	498.1	498.1	497.3	497.6	497.1
7°	499.6	499.3	499.8	499.4	497.8	497.5	497.3	497.2	496.4	496.7	496.1
7.5°	498.8	498.5	499.0	498.6	497.0	496.6	496.3	496.2	495.5	495.7	495.1
8°	498.0	497.6	498.2	497.7	496.0	495.6	495.3	495.2	494.3	494.7	494.0
8.5°	497.1	496.6	497.3	496.8	495.0	494.5	494.3	494.2	493.3	493.6	492.9
9°	496.1	495.7	496.3	495.8	493.9	493.4	493.2	493.1	492.0	492.4	491.7
9.5°	495.0	494.6	495.4	494.8	492.8	492.3	492.0	491.9	490.8	491.1	490.5
10°	493.9	493.5	494.3	493.7	491.5	491.1	490.8	490.6	489.6	489.9	489.2
10.5°	492.8	492.4	493.1	492.6	490.2	489.8	489.4	489.3	488.2	488.6	487.8
11°	491.6	491.1	491.9	491.5	488.9	488.4	488.1	487.9	486.8	487.1	486.3
11.5°	490.4	489.8	490.7	490.2	487.5	487.1	486.7	486.5	485.2	485.7	484.8
12°	489.1	488.4	489.4	488.8	486.1	485.6	485.3	485.1	483.6	484.1	483.2
12.5°	487.7	487.1	488.0	487.4	484.7	484.1	483.7	483.5	482.1	482.6	481.6
13°	486.2	485.6	486.7	486.0	483.1	482.5	482.1	481.9	480.3	480.9	480.0
13.5°	484.8	484.1	485.1	484.4	481.5	480.9	480.5	480.2	478.7	479.2	478.2
14°	483.2	482.5	483.5	482.8	479.7	479.2	478.8	478.5	476.9	477.4	476.4
14.5°	481.5	480.8	482.0	481.3	478.0	477.4	477.0	476.7	475.0	475.6	474.5
15°	479.8	479.1	480.3	479.6	476.2	475.6	475.1	474.8	473.1	473.6	472.7
15.5°	478.0	477.3	478.5	477.8	474.4	473.7	473.2	472.9	471.1	471.7	470.6
16°	476.2	475.5	476.7	476.0	472.5	471.8	471.3	471.0	469.1	469.6	468.6
16.5°	474.3	473.6	474.9	474.2	470.5	469.8	469.3	469.0	467.0	467.6	466.4
17°	472.5	471.7	472.9	472.2	468.5	467.8	467.2	466.8	464.8	465.4	464.3
17.5°	470.5	469.7	471.0	470.2	466.4	465.6	465.1	464.7	462.6	463.1	462.0
18°	468.4	467.6	469.0	468.2	464.1	463.5	462.9	462.5	460.3	460.9	459.7
18.5°	466.3	465.5	466.9	466.0	462.0	461.3	460.6	460.2	458.0	458.6	457.5
19°	464.1	463.2	464.7	463.8	459.7	458.9	458.4	457.8	455.6	456.2	455.0
19.5°	461.9	461.0	462.5	461.6	457.4	456.6	456.0	455.4	453.1	453.7	452.6
20°	459.7	458.7	460.4	459.4	455.1	454.2	453.6	453.1	450.5	451.3	450.1
20.5°	457.3	456.3	458.0	457.0	452.5	451.7	451.1	450.6	448.0	448.7	447.4
21°	454.9	454.0	455.6	454.6	450.1	449.1	448.6	448.0	445.4	446.0	444.8
21.5°	452.5	451.4	453.2	452.3	447.5	446.6	445.9	445.4	442.7	443.4	442.2
22°	449.9	448.9	450.7	449.6	444.9	444.0	443.4	442.7	439.9	440.7	439.4



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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°	447.4	446.4	448.1	447.0	442.2	441.2	440.6	439.9	437.2	438.0	436.5
23°	444.8	443.7	445.4	444.4	439.4	438.5	437.9	437.2	434.2	435.0	433.6
23.5°	442.0	440.9	442.9	441.7	436.7	435.6	435.0	434.3	431.4	432.1	430.7
24°	439.3	438.2	440.1	439.0	433.8	432.8	432.2	431.4	428.3	429.1	427.8
24.5°	436.5	435.3	437.3	436.3	430.9	429.8	429.2	428.5	425.2	426.0	424.6
25°	433.6	432.4	434.5	433.3	428.0	426.9	426.2	425.5	422.2	422.8	421.7
25.5°	430.7	429.4	431.5	430.4	424.9	423.9	423.1	422.4	419.0	419.7	418.5
26°	427.8	426.5	428.6	427.4	421.9	420.8	420.1	419.3	415.8	416.5	415.2
26.5°	424.8	423.4	425.6	424.5	418.7	417.6	416.9	416.1	412.5	413.2	411.9
27°	421.6	420.3	422.5	421.4	415.5	414.5	413.7	412.8	409.2	409.9	408.7
27.5°	418.5	417.2	419.4	418.2	412.2	411.2	410.4	409.6	405.9	406.6	405.2
28°	415.3	414.0	416.2	414.9	408.9	407.9	407.1	406.2	402.5	403.1	401.8
28.5°	412.0	410.6	413.0	411.8	405.7	404.5	403.7	402.8	399.1	399.6	398.4
29°	408.7	407.3	409.7	408.4	402.2	401.1	400.2	399.4	395.5	396.2	394.9
29.5°	405.4	404.0	406.4	405.0	398.8	397.7	396.8	395.9	391.9	392.6	391.1
30°	402.0	400.6	403.0	401.7	395.4	394.2	393.2	392.3	388.3	388.9	387.6
30.5°	398.5	397.1	399.5	398.3	391.7	390.6	389.6	388.7	384.6	385.3	383.8
31°	395.1	393.7	395.9	394.7	388.2	387.0	386.1	385.0	380.9	381.5	380.2
31.5°	391.5	390.0	392.4	391.2	384.6	383.4	382.4	381.4	377.0	377.7	376.4
32°	388.0	386.4	389.0	387.6	380.9	379.6	378.7	377.6	373.3	373.9	372.5
32.5°	384.2	382.8	385.2	383.8	377.2	375.9	374.9	373.9	369.4	370.1	368.7
33°	380.6	379.1	381.5	380.1	373.3	372.0	371.0	370.1	365.4	366.1	364.7
33.5°	376.9	375.3	377.9	376.5	369.5	368.1	367.1	366.1	361.5	362.1	360.6
34°	373.1	371.4	374.1	372.7	365.5	364.2	363.2	362.1	357.5	358.2	356.7
34.5°	369.3	367.6	370.1	368.7	361.6	360.3	359.3	358.2	353.3	354.0	352.6
35°	365.3	363.7	366.3	364.9	357.6	356.4	355.2	354.2	349.3	349.9	348.6
35.5°	361.3	359.6	362.5	361.0	353.5	352.2	351.1	350.1	345.2	345.8	344.5
36°	357.3	355.7	358.3	356.8	349.5	348.2	347.1	345.9	340.8	341.5	340.1
36.5°	353.4	351.6	354.2	352.7	345.3	344.2	342.9	341.8	336.7	337.3	335.9
37°	349.3	347.5	350.4	348.7	341.0	339.8	338.7	337.5	332.3	332.9	331.6
37.5°	345.1	343.3	346.0	344.5	336.9	335.6	334.5	333.3	328.0	328.7	327.4
38°	340.9	339.2	341.8	340.3	332.5	331.2	330.1	329.0	323.7	324.4	323.0
38.5°	336.7	334.9	337.6	336.2	328.3	327.0	325.7	324.7	319.3	319.9	318.7
39°	332.5	330.6	333.5	331.9	323.9	322.5	321.4	320.3	314.8	315.7	314.4
39.5°	328.2	326.3	328.9	327.4	319.4	318.2	317.1	315.9	310.4	311.2	309.9
40°	323.8	321.9	324.9	323.1	315.1	313.8	312.5	311.5	306.0	306.7	305.6
40.5°	319.4	317.5	320.4	318.8	310.6	309.4	308.3	307.0	301.6	302.4	301.0
41°	315.0	313.0	316.0	314.3	306.0	304.7	303.7	302.4	296.9	297.9	296.5
41.5°	310.6	308.6	311.4	309.7	301.3	299.9	298.8	297.8	292.1	293.3	292.1
42°	306.1	304.2	307.2	305.3	296.3	294.9	293.7	292.7	287.3	288.5	287.2
42.5°	301.6	299.4	302.5	300.4	291.2	289.8	288.7	287.7	282.1	283.5	282.3
43°	296.8	294.6	297.6	295.4	286.0	284.5	283.5	282.5	276.8	278.5	277.1
43.5°	291.9	289.5	292.7	290.5	280.7	279.2	278.2	277.3	271.4	273.1	271.9
44°	286.7	284.2	287.6	285.1	275.3	273.8	272.9	271.8	266.1	267.8	266.6
44.5°	281.4	279.0	282.2	279.8	269.8	268.5	267.5	266.5	260.6	262.4	261.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	276.1	273.6	277.0	274.4	264.4	262.9	262.1	261.1	255.2	256.9	255.7
45.5°	270.7	268.2	271.5	269.0	258.9	257.4	256.6	255.7	249.8	251.7	250.4
46°	265.4	262.7	266.1	263.7	253.4	252.0	251.1	250.0	244.2	246.2	244.7
46.5°	260.0	257.2	260.5	258.0	247.9	246.4	245.6	244.6	238.6	240.5	239.4
47°	254.4	251.7	255.1	252.6	242.0	240.8	239.9	239.0	233.2	235.1	233.7
47.5°	248.8	246.1	249.4	247.0	236.5	235.2	234.4	233.5	227.6	229.5	228.3
48°	243.3	240.4	243.8	241.4	231.0	229.6	228.9	227.9	222.2	224.1	222.7
48.5°	237.8	234.9	238.1	235.7	225.4	224.1	223.4	222.4	216.6	218.6	217.2
49°	232.1	229.3	232.6	230.2	220.0	218.5	217.8	216.9	211.1	213.1	211.7
49.5°	226.6	223.7	227.0	224.4	214.2	212.9	212.3	211.4	205.7	207.5	206.2
50°	221.1	218.2	221.4	218.9	208.7	207.4	206.7	205.9	200.2	202.2	200.7
50.5°	215.5	212.7	215.8	213.4	203.2	201.8	201.1	200.4	194.7	196.6	195.4
51°	209.8	206.9	210.4	207.8	197.6	196.2	195.6	194.9	189.5	191.3	189.9
51.5°	204.4	201.5	204.5	202.0	192.1	190.8	190.2	189.5	184.1	186.1	184.6
52°	199.1	196.2	199.1	196.6	186.6	185.4	184.8	184.2	179.0	180.8	179.2
52.5°	193.6	190.6	193.8	191.3	181.2	180.0	179.4	178.9	173.5	175.4	174.1
53°	188.0	185.1	188.1	185.7	175.9	174.7	174.1	173.5	168.4	170.4	168.9
53.5°	182.8	179.8	182.5	180.2	170.5	169.3	168.8	168.3	163.1	165.1	163.5
54°	177.4	174.5	177.4	174.9	165.2	164.0	163.6	163.1	158.2	160.0	158.5
54.5°	172.1	169.1	172.1	169.5	159.9	158.8	158.3	157.9	153.1	155.0	153.5
55°	166.9	164.0	166.6	164.0	154.7	153.7	153.2	152.8	148.2	149.9	148.4
55.5°	161.7	158.9	161.3	159.0	149.6	148.6	148.1	147.8	143.1	145.0	143.5
56°	156.5	153.6	156.3	153.9	144.5	143.5	143.0	142.7	138.4	140.1	138.5
56.5°	151.4	148.5	151.0	148.6	139.4	138.4	138.0	137.7	133.4	135.3	133.6
57°	146.4	143.5	145.9	143.5	134.6	133.5	133.1	132.8	128.7	130.5	128.9
57.5°	141.2	138.5	141.0	138.6	129.6	128.6	128.2	128.0	123.9	125.8	124.2
58°	136.3	133.5	135.8	133.4	124.8	123.7	123.5	123.3	119.3	121.2	119.5
58.5°	131.5	128.7	130.9	128.5	120.0	119.0	118.7	118.5	114.7	116.7	114.8
59°	126.7	123.9	126.1	123.9	115.3	114.3	114.0	113.9	110.3	112.1	110.4
59.5°	121.8	119.2	121.3	119.0	110.6	109.6	109.3	109.3	105.8	107.6	106.0
60°	117.1	114.4	116.5	114.3	106.1	105.1	104.8	104.9	101.5	103.3	101.4
60.5°	112.6	109.8	111.8	109.7	101.5	100.6	100.3	100.4	97.1	98.9	97.2
61°	108.0	105.3	107.2	105.1	97.1	96.2	95.9	96.1	93.0	94.8	93.0
61.5°	103.4	100.8	102.7	100.5	92.8	91.9	91.6	91.7	88.8	90.7	88.8
62°	99.2	96.4	98.3	96.1	88.6	87.7	87.4	87.6	84.5	86.5	84.7
62.5°	94.6	92.2	93.9	91.9	84.3	83.6	83.2	83.5	80.4	82.4	80.8
63°	90.5	87.8	89.6	87.6	80.3	79.6	79.2	79.6	76.2	78.5	76.9
63.5°	86.1	83.6	85.4	83.4	76.3	75.6	75.2	75.6	72.1	74.5	73.1
64°	82.1	79.6	81.2	79.2	72.3	71.6	71.3	71.7	67.9	70.5	69.2
64.5°	77.9	75.6	77.2	75.1	68.3	67.7	67.3	67.7	63.8	66.5	65.4
65°	73.7	71.5	73.2	71.3	64.4	63.7	63.3	63.8	60.0	63.0	61.6
65.5°	69.6	67.7	69.2	67.4	60.7	60.0	59.7	60.0	56.3	59.3	58.0
66°	65.5	63.9	65.4	63.6	57.1	56.4	56.2	56.3	52.6	55.6	54.7
66.5°	61.3	60.0	61.9	60.0	53.5	52.9	52.7	52.7	49.2	52.2	51.2
67°	57.4	56.3	58.2	56.4	50.2	49.5	49.3	49.2	45.9	48.8	48.0



TEST NUMBER: P640208

CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	53.6	52.6	54.6	52.9	46.8	46.2	46.0	45.9	42.6	45.5	44.9
68°	50.0	49.2	51.3	49.5	43.6	43.1	42.9	42.5	39.5	42.4	41.8
68.5°	46.5	45.8	48.0	46.3	40.6	39.9	39.9	39.5	36.5	39.3	38.8
69°	43.3	42.6	44.8	43.1	37.6	37.0	37.0	36.6	33.6	36.4	36.0
69.5°	40.2	39.5	41.7	40.1	34.7	34.2	34.2	33.8	30.8	33.6	33.3
70°	37.2	36.6	38.8	37.2	32.0	31.5	31.5	31.1	28.3	31.0	30.8
70.5°	34.4	33.8	35.8	34.3	29.4	28.9	29.0	28.6	25.8	28.6	28.3
71°	31.6	31.6	33.1	31.5	26.9	26.5	26.6	26.3	23.4	26.1	25.9
71.5°	29.2	29.2	30.8	29.2	24.6	24.2	24.4	24.1	21.2	23.9	23.8
72°	26.9	26.8	28.5	26.9	22.4	22.2	22.2	22.0	19.2	21.8	21.8
72.5°	24.6	24.4	26.2	24.7	20.4	20.1	20.3	20.1	17.4	20.0	19.9
73°	22.3	22.1	23.9	22.4	18.6	18.4	18.5	18.2	15.9	18.3	18.1
73.5°	20.2	20.1	21.6	20.4	17.0	16.8	16.9	16.6	14.8	16.8	16.6
74°	18.4	18.4	19.6	18.6	15.5	15.4	15.5	15.3	13.7	15.4	15.2
74.5°	16.7	16.8	18.0	17.0	14.3	14.2	14.2	14.0	12.8	14.2	14.0
75°	15.4	15.4	16.4	15.5	13.3	13.2	13.2	13.0	12.2	13.0	13.0
75.5°	14.2	14.2	15.0	14.2	12.5	12.4	12.4	12.1	11.6	12.2	12.3
76°	13.1	13.1	13.8	13.2	11.9	11.8	11.8	11.5	11.0	11.6	11.7
76.5°	12.4	12.2	12.8	12.4	11.3	11.2	11.2	10.9	10.4	10.9	11.1
77°	11.8	11.5	12.1	11.8	10.8	10.7	10.6	10.3	9.8	10.4	10.5
77.5°	11.2	11.0	11.5	11.2	10.2	10.1	10.1	9.8	9.3	9.8	10.0
78°	10.6	10.4	10.9	10.7	9.7	9.6	9.5	9.2	8.7	9.2	9.4
78.5°	10.0	9.8	10.4	10.1	9.1	9.1	9.0	8.6	8.2	8.7	8.9
79°	9.4	9.2	9.8	9.6	8.6	8.5	8.5	8.1	7.6	8.1	8.4
79.5°	8.9	8.7	9.3	9.0	8.1	8.0	7.9	7.6	7.1	7.6	7.8
80°	8.3	8.1	8.7	8.5	7.6	7.5	7.4	7.1	6.6	7.1	7.3
80.5°	7.8	7.6	8.2	8.0	7.1	7.0	6.9	6.6	6.1	6.6	6.8
81°	7.3	7.1	7.7	7.5	6.6	6.5	6.4	6.1	5.6	6.1	6.3
81.5°	6.7	6.6	7.2	7.0	6.1	6.1	5.9	5.5	5.1	5.5	5.8
82°	6.2	6.1	6.7	6.5	5.6	5.6	5.4	5.0	4.7	5.1	5.3
82.5°	5.7	5.6	6.2	6.1	5.2	5.1	5.0	4.6	4.2	4.6	4.9
83°	5.2	5.1	5.7	5.6	4.7	4.6	4.5	4.1	3.7	4.1	4.4
83.5°	4.8	4.6	5.2	5.1	4.3	4.2	4.1	3.7	3.3	3.7	4.0
84°	4.3	4.1	4.8	4.7	3.8	3.8	3.6	3.2	2.9	3.2	3.5
84.5°	3.8	3.7	4.3	4.2	3.4	3.3	3.2	2.8	2.4	2.8	3.1
85°	3.4	3.3	3.9	3.8	3.0	2.9	2.8	2.4	2.1	2.5	2.7
85.5°	3.0	2.9	3.4	3.4	2.5	2.5	2.4	2.1	1.7	2.1	2.3
86°	2.6	2.5	3.0	2.9	2.1	2.1	2.0	1.7	1.4	1.7	1.9
86.5°	2.2	2.0	2.6	2.5	1.7	1.7	1.6	1.4	1.1	1.4	1.6
87°	1.8	1.6	2.2	2.1	1.3	1.3	1.3	1.1	0.8	1.1	1.2
87.5°	1.4	1.3	1.8	1.7	0.9	0.9	0.9	0.8	0.6	0.8	0.8
88°	1.1	1.0	1.4	1.3	0.6	0.5	0.5	0.5	0.3	0.5	0.4
88.5°	0.8	0.7	1.1	0.9	0.2	0.2	0.2	0.2	0.1	0.2	0.1
89°	0.5	0.4	0.7	0.5	0.0	0.0	0.1	0.1	0.1	0.1	0.0
89.5°	0.3	0.2	0.3	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0



TEST NUMBER: P640208
 CATALOG NUMBER: LCR810RD9FSE020-12W-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	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
90.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
91°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
91.5°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
92°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
92.5°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
97.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
98°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
98.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
99°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
99.5°	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
100°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
100.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
101°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
101.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
102°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
102.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0
103°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0
103.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
104°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
104.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
105°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
105.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
112°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P640208

CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P640208
 CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
148.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
150°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
150.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
151°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
151.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
152.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
153.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
154.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P640208

CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
171.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
173.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
176.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
179.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P640208
CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P640208

CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	504.0	504.0	504.0	504.0	504.0	504.0
0.5°	503.9	504.0	504.0	504.0	504.0	504.1
1°	503.7	503.9	504.0	504.0	504.0	504.1
1.5°	503.5	503.9	503.9	503.9	503.9	504.0
2°	503.2	503.7	503.7	503.7	503.8	504.0
2.5°	502.8	503.4	503.5	503.5	503.6	503.8
3°	502.4	503.1	503.2	503.3	503.3	503.6
3.5°	501.9	502.8	502.9	502.9	502.9	503.3
4°	501.3	502.4	502.5	502.5	502.6	502.9
4.5°	500.7	501.9	502.0	502.0	502.1	502.5
5°	500.1	501.3	501.5	501.5	501.6	502.0
5.5°	499.3	500.7	500.9	501.0	501.0	501.5
6°	498.5	500.0	500.3	500.3	500.4	500.9
6.5°	497.6	499.3	499.6	499.7	499.7	500.3
7°	496.7	498.5	498.8	498.9	498.9	499.6
7.5°	495.7	497.7	498.0	498.1	498.1	498.8
8°	494.6	496.8	497.1	497.2	497.2	498.0
8.5°	493.6	495.9	496.1	496.3	496.3	497.1
9°	492.5	494.8	495.1	495.3	495.3	496.1
9.5°	491.3	493.7	494.1	494.2	494.3	495.0
10°	490.0	492.6	493.0	493.1	493.1	493.9
10.5°	488.7	491.4	491.8	491.9	491.9	492.8
11°	487.2	490.1	490.6	490.7	490.7	491.6
11.5°	485.8	488.8	489.3	489.4	489.4	490.4
12°	484.3	487.4	488.0	488.0	488.0	489.1
12.5°	482.8	486.0	486.6	486.6	486.6	487.7
13°	481.2	484.6	485.1	485.2	485.1	486.2
13.5°	479.5	483.0	483.5	483.6	483.5	484.8
14°	477.7	481.4	481.9	482.0	481.9	483.2
14.5°	475.9	479.7	480.3	480.4	480.3	481.5
15°	474.0	477.9	478.6	478.6	478.5	479.8
15.5°	472.0	476.1	476.8	476.8	476.7	478.0
16°	470.0	474.3	475.0	475.0	474.9	476.2
16.5°	468.0	472.4	473.1	473.1	473.0	474.3
17°	465.9	470.4	471.2	471.1	471.1	472.5
17.5°	463.7	468.3	469.1	469.1	469.0	470.5
18°	461.5	466.3	467.1	467.0	467.0	468.4
18.5°	459.3	464.1	464.9	464.9	464.8	466.3
19°	456.9	461.9	462.7	462.7	462.7	464.1
19.5°	454.5	459.7	460.6	460.5	460.4	461.9
20°	452.0	457.3	458.2	458.3	458.0	459.7
20.5°	449.5	454.9	455.9	455.9	455.6	457.3
21°	446.9	452.5	453.5	453.5	453.1	454.9
21.5°	444.3	450.0	451.0	450.9	450.7	452.5
22°	441.6	447.5	448.5	448.4	448.1	449.9

TEST NUMBER: P640208

CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	438.8	444.8	445.9	445.9	445.6	447.4
23°	436.0	442.2	443.3	443.2	442.9	444.8
23.5°	433.2	439.5	440.5	440.5	440.2	442.0
24°	430.3	436.7	437.7	437.7	437.3	439.3
24.5°	427.2	433.8	434.9	434.9	434.6	436.5
25°	424.2	430.9	432.1	432.0	431.7	433.6
25.5°	421.1	428.1	429.2	429.1	428.7	430.7
26°	418.0	425.0	426.2	426.2	425.7	427.8
26.5°	414.8	422.0	423.1	423.1	422.6	424.8
27°	411.6	418.9	420.1	420.0	419.5	421.6
27.5°	408.2	415.7	416.9	416.9	416.4	418.5
28°	404.9	412.5	413.7	413.7	413.1	415.3
28.5°	401.6	409.2	410.4	410.4	409.9	412.0
29°	398.1	405.9	407.2	407.0	406.4	408.7
29.5°	394.4	402.5	403.8	403.7	403.2	405.4
30°	391.0	399.1	400.5	400.3	399.8	402.0
30.5°	387.4	395.6	397.0	396.9	396.3	398.5
31°	383.7	392.1	393.5	393.4	392.7	395.1
31.5°	380.0	388.5	390.0	389.7	389.2	391.5
32°	376.2	384.8	386.4	386.2	385.6	388.0
32.5°	372.5	381.2	382.8	382.5	382.0	384.2
33°	368.6	377.6	378.9	378.7	378.2	380.6
33.5°	364.8	373.8	375.2	375.0	374.4	376.9
34°	360.8	369.9	371.5	371.1	370.6	373.1
34.5°	356.6	366.0	367.6	367.3	366.8	369.3
35°	352.8	362.1	363.6	363.4	362.8	365.3
35.5°	348.7	358.1	359.7	359.5	358.9	361.3
36°	344.5	354.1	355.6	355.4	354.8	357.3
36.5°	340.4	350.0	351.7	351.4	350.8	353.4
37°	336.2	345.9	347.4	347.3	346.6	349.3
37.5°	331.9	341.7	343.5	343.1	342.5	345.1
38°	327.6	337.5	339.1	339.0	338.2	340.9
38.5°	323.4	333.3	335.0	334.7	334.0	336.7
39°	319.2	329.1	330.7	330.5	329.7	332.5
39.5°	314.6	324.8	326.5	326.2	325.5	328.2
40°	310.3	320.4	322.1	321.8	321.0	323.8
40.5°	305.9	316.2	317.8	317.6	316.7	319.4
41°	301.5	311.7	313.4	313.2	312.4	315.0
41.5°	296.9	307.3	309.1	308.8	308.0	310.6
42°	292.3	303.0	304.6	304.5	303.5	306.1
42.5°	287.4	298.4	300.2	300.0	299.0	301.6
43°	282.4	293.7	295.4	295.2	294.1	296.8
43.5°	277.2	288.6	290.5	290.2	289.1	291.9
44°	272.0	283.6	285.4	285.1	283.9	286.7
44.5°	266.5	278.5	280.3	279.9	278.7	281.4

TEST NUMBER: P640208

CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	261.2	273.2	274.9	274.7	273.3	276.1
45.5°	255.9	267.9	269.6	269.4	267.9	270.7
46°	250.4	262.6	264.2	264.0	262.5	265.4
46.5°	244.9	257.0	258.8	258.4	257.0	260.0
47°	239.4	251.5	253.4	252.9	251.5	254.4
47.5°	233.9	246.1	247.7	247.4	245.9	248.8
48°	228.5	240.6	242.3	241.8	240.3	243.3
48.5°	222.8	235.1	236.6	236.3	234.8	237.8
49°	217.4	229.5	231.1	230.6	229.3	232.1
49.5°	212.0	224.1	225.6	225.1	223.7	226.6
50°	206.3	218.6	220.0	219.5	218.1	221.1
50.5°	200.9	212.9	214.3	213.9	212.5	215.5
51°	195.5	207.6	208.9	208.4	207.0	209.8
51.5°	190.1	202.1	203.5	202.8	201.5	204.4
52°	184.6	196.6	198.0	197.4	196.0	199.1
52.5°	179.4	191.3	192.4	191.9	190.5	193.6
53°	174.0	185.9	187.0	186.4	185.1	188.0
53.5°	168.7	180.4	181.6	181.0	179.6	182.8
54°	163.5	175.1	176.2	175.6	174.3	177.4
54.5°	158.5	169.9	170.9	170.4	169.1	172.1
55°	153.2	164.7	165.7	165.1	163.8	166.9
55.5°	148.2	159.5	160.5	159.9	158.6	161.7
56°	143.0	154.3	155.3	154.7	153.5	156.5
56.5°	138.2	149.2	150.2	149.5	148.3	151.4
57°	133.3	144.2	145.1	144.4	143.3	146.4
57.5°	128.4	139.2	140.1	139.3	138.3	141.2
58°	123.7	134.4	135.2	134.5	133.4	136.3
58.5°	118.9	129.4	130.3	129.5	128.5	131.5
59°	114.3	124.5	125.6	124.7	123.8	126.7
59.5°	109.8	119.9	120.7	119.8	119.0	121.8
60°	105.2	115.2	116.0	115.2	114.3	117.1
60.5°	100.8	110.5	111.5	110.4	109.6	112.6
61°	96.5	106.0	106.9	106.0	105.2	108.0
61.5°	92.2	101.5	102.4	101.5	100.8	103.4
62°	87.9	97.1	98.0	97.2	96.4	99.2
62.5°	83.8	92.7	93.6	92.7	92.0	94.6
63°	79.9	88.5	89.3	88.5	87.8	90.5
63.5°	76.0	84.2	85.1	84.2	83.6	86.1
64°	72.1	80.1	81.0	80.2	79.5	82.1
64.5°	68.2	76.1	76.9	76.2	75.6	77.9
65°	64.3	72.2	73.0	72.3	71.6	73.7
65.5°	60.6	68.3	69.0	68.4	67.7	69.6
66°	57.1	64.4	65.2	64.5	64.0	65.5
66.5°	53.6	60.7	61.5	60.8	60.3	61.3
67°	50.2	57.1	57.8	57.3	56.7	57.4



TEST NUMBER: P640208

CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	47.0	53.6	54.2	53.8	53.1	53.6
68°	43.8	50.2	50.8	50.4	49.6	50.0
68.5°	40.8	46.9	47.5	47.1	46.2	46.5
69°	37.8	43.7	44.3	43.9	42.9	43.3
69.5°	35.0	40.5	41.1	40.9	39.8	40.2
70°	32.3	37.6	38.1	38.0	36.8	37.2
70.5°	29.7	34.7	35.2	35.1	34.0	34.4
71°	27.3	31.9	32.5	32.4	31.7	31.6
71.5°	25.0	29.5	30.2	30.1	29.3	29.2
72°	22.9	27.2	27.9	27.8	26.9	26.9
72.5°	20.9	24.9	25.6	25.5	24.5	24.6
73°	19.1	22.6	23.3	23.3	22.1	22.3
73.5°	17.5	20.6	21.1	21.0	20.2	20.2
74°	16.1	18.9	19.2	19.2	18.5	18.4
74.5°	14.8	17.3	17.6	17.5	16.9	16.7
75°	13.6	15.9	16.1	16.0	15.5	15.4
75.5°	12.8	14.7	14.9	14.8	14.2	14.2
76°	12.2	13.5	13.7	13.6	13.1	13.1
76.5°	11.6	12.7	12.9	12.8	12.3	12.4
77°	11.0	12.1	12.2	12.1	11.7	11.8
77.5°	10.4	11.5	11.6	11.5	11.1	11.2
78°	9.9	10.9	11.1	11.0	10.5	10.6
78.5°	9.3	10.4	10.5	10.4	9.9	10.0
79°	8.8	9.8	9.9	9.8	9.3	9.4
79.5°	8.3	9.3	9.4	9.3	8.8	8.9
80°	7.8	8.7	8.8	8.7	8.2	8.3
80.5°	7.3	8.2	8.3	8.2	7.7	7.8
81°	6.8	7.7	7.8	7.7	7.1	7.3
81.5°	6.3	7.2	7.3	7.2	6.6	6.7
82°	5.7	6.7	6.8	6.6	6.1	6.2
82.5°	5.3	6.2	6.3	6.2	5.6	5.7
83°	4.8	5.7	5.8	5.7	5.1	5.2
83.5°	4.4	5.3	5.3	5.2	4.6	4.8
84°	3.9	4.8	4.9	4.7	4.2	4.3
84.5°	3.5	4.3	4.4	4.3	3.7	3.8
85°	3.1	3.9	4.0	3.8	3.3	3.4
85.5°	2.6	3.5	3.5	3.4	2.9	3.0
86°	2.2	3.0	3.1	3.0	2.5	2.6
86.5°	1.8	2.6	2.7	2.6	2.1	2.2
87°	1.4	2.2	2.2	2.1	1.8	1.8
87.5°	1.0	1.8	1.8	1.7	1.4	1.4
88°	0.6	1.4	1.4	1.3	1.0	1.1
88.5°	0.3	0.9	1.0	1.0	0.7	0.8
89°	0.1	0.6	0.6	0.6	0.4	0.5
89.5°	0.0	0.2	0.3	0.2	0.2	0.3



TEST NUMBER: P640208
 CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.1	0.1	0.1	0.1	0.1
90.5°	0.0	0.0	0.0	0.0	0.1	0.1
91°	0.0	0.0	0.0	0.0	0.1	0.1
91.5°	0.0	0.0	0.0	0.0	0.1	0.0
92°	0.0	0.0	0.0	0.0	0.1	0.0
92.5°	0.0	0.0	0.0	0.0	0.1	0.0
93°	0.0	0.0	0.0	0.0	0.1	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.1
97.5°	0.0	0.0	0.0	0.0	0.0	0.1
98°	0.0	0.0	0.0	0.0	0.0	0.1
98.5°	0.0	0.0	0.0	0.0	0.0	0.1
99°	0.0	0.1	0.0	0.0	0.0	0.1
99.5°	0.0	0.1	0.1	0.0	0.1	0.1
100°	0.0	0.1	0.1	0.1	0.1	0.1
100.5°	0.0	0.1	0.1	0.1	0.1	0.1
101°	0.0	0.1	0.1	0.1	0.1	0.1
101.5°	0.0	0.1	0.1	0.1	0.1	0.1
102°	0.0	0.1	0.1	0.1	0.1	0.1
102.5°	0.0	0.1	0.1	0.1	0.1	0.1
103°	0.0	0.1	0.1	0.1	0.1	0.1
103.5°	0.0	0.1	0.1	0.1	0.1	0.1
104°	0.0	0.1	0.1	0.1	0.1	0.1
104.5°	0.0	0.1	0.1	0.1	0.1	0.1
105°	0.0	0.1	0.1	0.1	0.1	0.1
105.5°	0.0	0.1	0.1	0.1	0.1	0.1
106°	0.0	0.1	0.1	0.1	0.1	0.1
106.5°	0.0	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	0.1	0.1	0.1	0.1	0.1
109°	0.1	0.1	0.1	0.1	0.1	0.1
109.5°	0.1	0.1	0.1	0.1	0.1	0.1
110°	0.1	0.1	0.1	0.1	0.1	0.1
110.5°	0.1	0.1	0.1	0.1	0.1	0.1
111°	0.1	0.1	0.1	0.1	0.1	0.1
111.5°	0.1	0.1	0.1	0.1	0.1	0.1
112°	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P640208
 CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P640208
 CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.2	0.2	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2
136°	0.2	0.2	0.2	0.2	0.2	0.2
136.5°	0.2	0.2	0.2	0.2	0.2	0.2
137°	0.2	0.2	0.2	0.2	0.2	0.2
137.5°	0.2	0.2	0.2	0.2	0.2	0.2
138°	0.2	0.2	0.2	0.2	0.2	0.2
138.5°	0.2	0.2	0.2	0.2	0.2	0.2
139°	0.2	0.2	0.2	0.2	0.2	0.2
139.5°	0.2	0.2	0.2	0.2	0.2	0.2
140°	0.2	0.2	0.2	0.2	0.2	0.2
140.5°	0.2	0.2	0.2	0.2	0.2	0.2
141°	0.2	0.2	0.2	0.2	0.2	0.2
141.5°	0.2	0.2	0.2	0.2	0.2	0.2
142°	0.2	0.2	0.2	0.2	0.2	0.2
142.5°	0.2	0.2	0.2	0.2	0.2	0.2
143°	0.2	0.2	0.2	0.2	0.2	0.2
143.5°	0.2	0.2	0.2	0.2	0.2	0.2
144°	0.2	0.2	0.2	0.2	0.2	0.2
144.5°	0.2	0.2	0.2	0.2	0.2	0.2
145°	0.2	0.2	0.2	0.2	0.2	0.2
145.5°	0.2	0.2	0.2	0.2	0.2	0.2
146°	0.2	0.2	0.2	0.2	0.2	0.2
146.5°	0.2	0.2	0.2	0.2	0.2	0.2
147°	0.2	0.2	0.2	0.2	0.2	0.2
147.5°	0.2	0.2	0.2	0.2	0.2	0.2
148°	0.2	0.2	0.2	0.2	0.2	0.2
148.5°	0.2	0.2	0.2	0.2	0.2	0.2
149°	0.2	0.2	0.2	0.2	0.2	0.2
149.5°	0.2	0.2	0.2	0.2	0.2	0.2
150°	0.2	0.2	0.2	0.2	0.2	0.2
150.5°	0.3	0.2	0.2	0.2	0.2	0.2
151°	0.3	0.2	0.2	0.2	0.2	0.2
151.5°	0.3	0.2	0.2	0.2	0.2	0.2
152°	0.3	0.2	0.2	0.2	0.2	0.2
152.5°	0.3	0.2	0.2	0.2	0.2	0.2
153°	0.3	0.2	0.2	0.2	0.2	0.2
153.5°	0.3	0.2	0.2	0.2	0.2	0.2
154°	0.3	0.2	0.2	0.2	0.2	0.2
154.5°	0.3	0.2	0.2	0.2	0.2	0.2
155°	0.3	0.2	0.2	0.2	0.2	0.2
155.5°	0.3	0.2	0.2	0.2	0.2	0.2
156°	0.3	0.2	0.2	0.2	0.2	0.2
156.5°	0.3	0.2	0.2	0.2	0.2	0.2
157°	0.3	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P640208
 CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.2	0.2	0.2	0.2
158°	0.3	0.2	0.2	0.2	0.2	0.2
158.5°	0.3	0.2	0.2	0.2	0.2	0.2
159°	0.3	0.2	0.2	0.2	0.2	0.2
159.5°	0.3	0.2	0.2	0.2	0.2	0.3
160°	0.3	0.2	0.2	0.2	0.2	0.3
160.5°	0.3	0.2	0.2	0.2	0.2	0.3
161°	0.3	0.2	0.2	0.2	0.3	0.3
161.5°	0.3	0.2	0.2	0.2	0.3	0.3
162°	0.3	0.2	0.2	0.2	0.3	0.3
162.5°	0.3	0.2	0.2	0.2	0.3	0.3
163°	0.3	0.2	0.2	0.2	0.3	0.3
163.5°	0.3	0.2	0.2	0.2	0.3	0.3
164°	0.3	0.2	0.2	0.2	0.3	0.3
164.5°	0.3	0.2	0.2	0.3	0.3	0.3
165°	0.3	0.2	0.2	0.3	0.3	0.3
165.5°	0.3	0.2	0.2	0.3	0.3	0.3
166°	0.3	0.2	0.2	0.3	0.3	0.3
166.5°	0.3	0.2	0.2	0.3	0.3	0.3
167°	0.3	0.2	0.2	0.3	0.3	0.3
167.5°	0.3	0.2	0.2	0.3	0.3	0.3
168°	0.3	0.2	0.3	0.3	0.3	0.3
168.5°	0.3	0.2	0.3	0.3	0.3	0.3
169°	0.3	0.2	0.3	0.3	0.3	0.3
169.5°	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.3	0.3	0.3	0.3	0.3	0.3
170.5°	0.3	0.3	0.3	0.3	0.3	0.3
171°	0.3	0.3	0.3	0.3	0.3	0.3
171.5°	0.3	0.3	0.3	0.3	0.3	0.3
172°	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.3	0.3	0.3	0.3	0.3	0.3
173°	0.3	0.3	0.3	0.3	0.3	0.3
173.5°	0.3	0.3	0.3	0.3	0.3	0.3
174°	0.3	0.3	0.3	0.3	0.3	0.3
174.5°	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.3	0.3	0.3	0.3	0.3	0.3
175.5°	0.3	0.3	0.3	0.3	0.3	0.3
176°	0.3	0.3	0.3	0.3	0.3	0.3
176.5°	0.3	0.3	0.3	0.3	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.3	0.3	0.3	0.3	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3
178.5°	0.3	0.3	0.3	0.3	0.3	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3
179.5°	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P640208
CATALOG NUMBER: LCR810RD9FSE020-12W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.3	0.3	0.3	0.3	0.3	0.3

(END OF REPORT)