

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: P640213

Luminaire Tested: LCR810RD9FSE040-12W-5000K

Issue Date: 2/13/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640213  
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: LCR810RD9FSE040-12W-5000K  
Description: LCR 8  
Light Source: 5000K CCT, 93 CRI LEDS  
Ballast/Driver: -

**Summary**

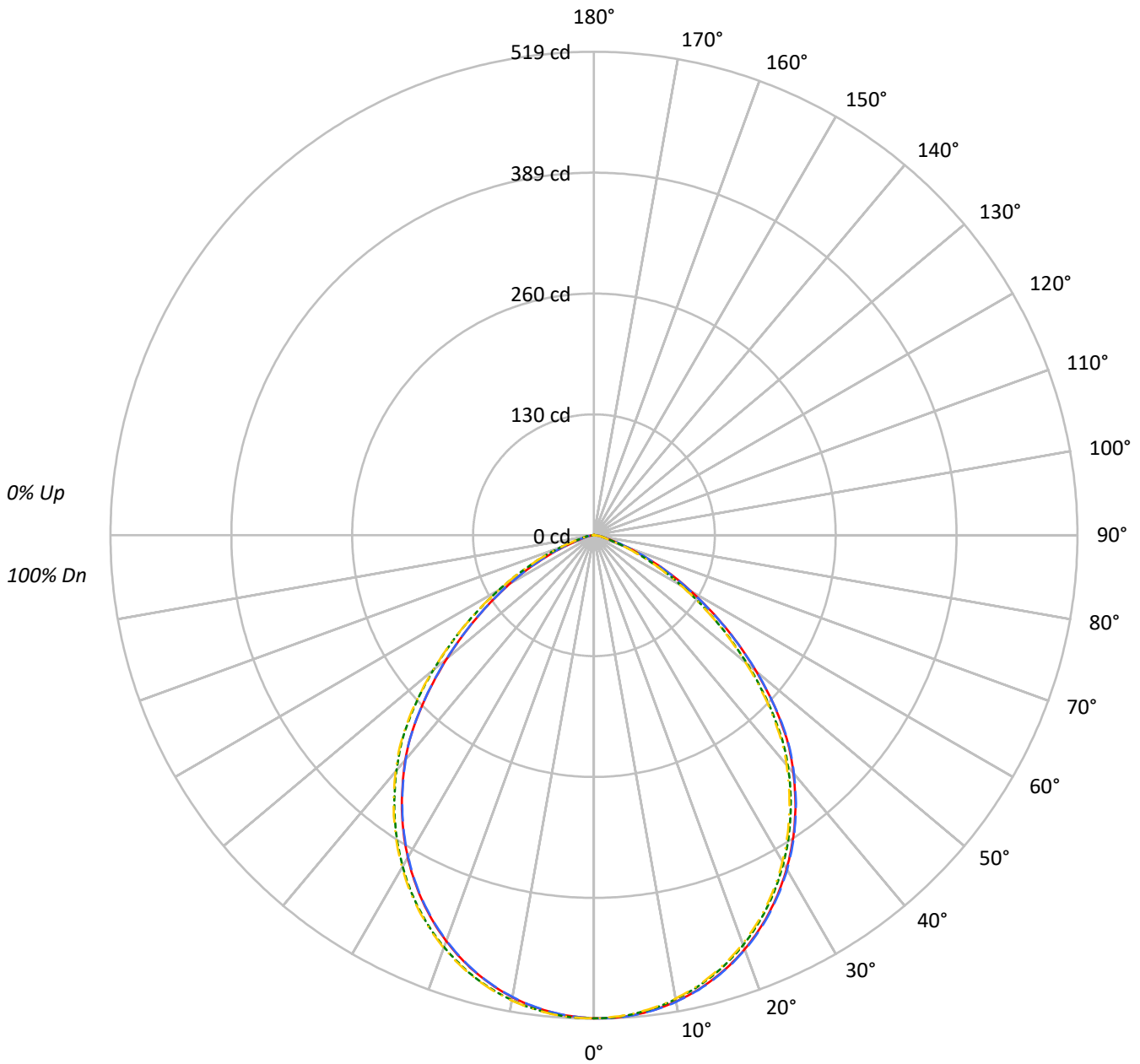
Lumens per Lamp: N/A  
Luminaire Lumens: 1070.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.26  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.4  
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: P640213  
CATALOG NUMBER: LCR810RD9FSE040-12W-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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77				
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67				
4	88	77	69	64	85	76	69	63	73	67	62	71	66	62	69	65	61	59				
5	81	70	62	56	79	69	61	56	67	60	55	65	59	54	63	58	54	52				
6	75	63	55	50	74	62	55	49	61	54	49	59	53	49	58	52	48	46				
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	47	43	41				
8	66	53	45	40	64	52	45	40	51	44	40	50	44	39	49	43	39	37				
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34				
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31				

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

	0°	90°	180°	270°
0°	15992	15992	15992	15992
5°	15988	15951	15917	15966
10°	15913	15834	15772	15869
15°	15758	15643	15537	15697
20°	15522	15364	15210	15440
25°	15178	14981	14777	15086
30°	14727	14485	14225	14620
35°	14147	13849	13529	14026
40°	13409	13050	12672	13272
45°	12389	11862	11452	12259
50°	10914	10300	9882	10789
55°	9231	8559	8193	9113
60°	7432	6728	6439	7308
65°	5538	4830	4502	5421
70°	3453	2966	2624	3489
75°	1894	1632	1489	1942
80°	1527	1385	1208	1598
85°	1238	1061	778	1415

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 12429 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.9	4.6
10°-20°	138.2	12.9
20°-30°	202.8	19.0
30°-40°	230.1	21.5
40°-50°	211.0	19.7
50°-60°	146.0	13.6
60°-70°	70.1	6.5
70°-80°	18.3	1.7
80°-90°	3.8	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°	389.9	36.4
0°-40°	620.0	57.9
0°-60°	977.0	91.3
0°-90°	1069.2	99.9
90°-120°	0.2	0.0
90°-150°	0.6	0.1
90°-180°	1.0	0.1
0°-180°	1070.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	519	519	519	519	519	
5°	516	515	514	516	516	49
15°	494	490	487	492	494	139
25°	446	440	434	443	446	205
35°	376	368	359	373	376	235
45°	284	272	263	281	284	218
55°	172	159	152	170	172	154
65°	76	66	62	74	76	76
75°	16	14	12	16	16	20
85°	4	3	2	4	4	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



TEST NUMBER: P640213

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6
0.5°	518.6	518.6	518.7	518.6	518.6	518.5	518.5	518.5	518.4	518.4	518.4
1°	518.6	518.6	518.7	518.7	518.5	518.4	518.3	518.3	518.1	518.2	518.1
1.5°	518.6	518.6	518.6	518.6	518.3	518.2	518.1	518.1	517.8	518.0	517.8
2°	518.5	518.4	518.5	518.4	518.1	517.9	517.8	517.8	517.5	517.7	517.5
2.5°	518.4	518.2	518.4	518.3	517.7	517.6	517.4	517.4	517.1	517.3	517.0
3°	518.1	517.9	518.2	518.0	517.4	517.2	517.1	517.0	516.7	516.8	516.5
3.5°	517.8	517.6	517.9	517.7	516.9	516.8	516.6	516.6	516.2	516.3	516.0
4°	517.4	517.3	517.6	517.3	516.5	516.3	516.1	516.0	515.6	515.7	515.3
4.5°	517.0	516.8	517.2	516.9	515.9	515.7	515.5	515.4	514.9	515.0	514.7
5°	516.5	516.3	516.7	516.4	515.3	515.1	514.9	514.8	514.2	514.4	514.0
5.5°	515.9	515.8	516.1	515.8	514.6	514.4	514.1	514.0	513.3	513.6	513.2
6°	515.4	515.2	515.5	515.2	513.9	513.6	513.3	513.3	512.5	512.8	512.3
6.5°	514.7	514.5	514.9	514.6	513.0	512.7	512.5	512.4	511.7	512.0	511.4
7°	514.0	513.7	514.2	513.8	512.2	511.9	511.6	511.5	510.7	511.1	510.4
7.5°	513.2	512.9	513.4	513.0	511.3	510.9	510.7	510.5	509.7	510.0	509.3
8°	512.3	511.9	512.6	512.1	510.3	509.9	509.6	509.5	508.6	508.9	508.3
8.5°	511.4	511.0	511.6	511.1	509.3	508.8	508.6	508.5	507.5	507.8	507.1
9°	510.4	510.0	510.7	510.2	508.2	507.6	507.4	507.3	506.2	506.6	505.9
9.5°	509.3	508.9	509.7	509.1	507.0	506.4	506.2	506.1	505.0	505.3	504.6
10°	508.2	507.8	508.5	508.0	505.7	505.2	504.9	504.8	503.7	504.1	503.3
10.5°	507.0	506.6	507.3	506.8	504.4	503.9	503.6	503.4	502.3	502.7	501.8
11°	505.8	505.3	506.1	505.6	503.0	502.5	502.2	502.0	500.8	501.2	500.4
11.5°	504.5	503.9	504.9	504.3	501.6	501.1	500.7	500.6	499.2	499.7	498.8
12°	503.2	502.5	503.5	502.9	500.2	499.7	499.3	499.1	497.6	498.1	497.1
12.5°	501.8	501.1	502.1	501.5	498.7	498.1	497.7	497.5	496.0	496.5	495.5
13°	500.3	499.6	500.8	500.0	497.0	496.5	496.0	495.8	494.2	494.8	493.8
13.5°	498.7	498.1	499.1	498.4	495.3	494.8	494.4	494.1	492.5	493.0	492.0
14°	497.1	496.4	497.5	496.8	493.6	493.0	492.6	492.3	490.6	491.2	490.2
14.5°	495.4	494.7	495.9	495.1	491.8	491.2	490.7	490.4	488.7	489.3	488.2
15°	493.6	492.9	494.1	493.4	490.0	489.3	488.8	488.5	486.7	487.3	486.3
15.5°	491.8	491.1	492.3	491.6	488.0	487.3	486.9	486.6	484.7	485.3	484.2
16°	490.0	489.2	490.4	489.7	486.1	485.4	484.9	484.6	482.6	483.2	482.1
16.5°	488.0	487.2	488.6	487.9	484.1	483.3	482.8	482.5	480.4	481.1	479.9
17°	486.1	485.3	486.6	485.8	482.0	481.2	480.7	480.3	478.2	478.8	477.6
17.5°	484.1	483.2	484.6	483.7	479.8	479.1	478.5	478.1	476.0	476.5	475.3
18°	481.9	481.1	482.6	481.7	477.5	476.9	476.3	475.8	473.6	474.2	473.0
18.5°	479.8	478.9	480.4	479.5	475.3	474.6	473.9	473.5	471.2	471.8	470.7
19°	477.5	476.6	478.1	477.2	472.9	472.2	471.6	471.0	468.7	469.4	468.2
19.5°	475.3	474.3	475.9	475.0	470.6	469.8	469.1	468.6	466.2	466.8	465.6
20°	473.0	471.9	473.7	472.6	468.2	467.3	466.7	466.1	463.5	464.3	463.1
20.5°	470.5	469.5	471.2	470.2	465.6	464.7	464.1	463.6	460.9	461.6	460.3
21°	468.0	467.1	468.7	467.7	463.1	462.1	461.5	461.0	458.2	458.9	457.7
21.5°	465.5	464.5	466.3	465.3	460.4	459.4	458.8	458.2	455.5	456.2	454.9
22°	462.9	461.9	463.7	462.6	457.7	456.8	456.2	455.5	452.6	453.4	452.0

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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°	460.3	459.2	461.0	459.9	455.0	454.0	453.3	452.6	449.8	450.6	449.1
23°	457.6	456.5	458.3	457.2	452.1	451.1	450.5	449.8	446.8	447.5	446.1
23.5°	454.8	453.6	455.6	454.5	449.3	448.2	447.5	446.8	443.8	444.5	443.2
24°	452.0	450.8	452.8	451.6	446.3	445.3	444.7	443.9	440.7	441.5	440.1
24.5°	449.1	447.9	449.9	448.8	443.3	442.2	441.6	440.8	437.5	438.3	436.9
25°	446.1	444.9	447.0	445.8	440.3	439.3	438.5	437.8	434.3	435.0	433.8
25.5°	443.1	441.8	444.0	442.8	437.1	436.1	435.3	434.6	431.1	431.8	430.6
26°	440.1	438.8	440.9	439.7	434.1	432.9	432.2	431.3	427.8	428.5	427.2
26.5°	437.0	435.7	437.9	436.8	430.8	429.7	428.9	428.1	424.4	425.2	423.8
27°	433.8	432.5	434.7	433.5	427.5	426.4	425.6	424.8	421.0	421.7	420.4
27.5°	430.5	429.2	431.5	430.3	424.1	423.1	422.2	421.4	417.6	418.3	416.9
28°	427.3	425.9	428.2	426.9	420.7	419.7	418.8	418.0	414.1	414.7	413.4
28.5°	423.9	422.5	424.9	423.6	417.4	416.2	415.3	414.4	410.6	411.2	409.9
29°	420.5	419.1	421.5	420.2	413.8	412.7	411.8	410.9	406.9	407.6	406.3
29.5°	417.1	415.6	418.1	416.7	410.3	409.1	408.2	407.4	403.2	404.0	402.4
30°	413.6	412.2	414.6	413.3	406.8	405.6	404.6	403.7	399.5	400.1	398.8
30.5°	410.0	408.5	411.1	409.8	403.0	401.9	400.9	399.9	395.7	396.4	394.9
31°	406.5	405.0	407.3	406.1	399.4	398.2	397.2	396.1	391.9	392.5	391.1
31.5°	402.8	401.3	403.7	402.5	395.7	394.4	393.4	392.4	387.9	388.6	387.2
32°	399.1	397.6	400.2	398.8	391.9	390.5	389.6	388.5	384.0	384.7	383.3
32.5°	395.3	393.8	396.3	394.9	388.1	386.7	385.7	384.7	380.1	380.7	379.3
33°	391.6	390.0	392.5	391.1	384.0	382.7	381.7	380.7	376.0	376.7	375.2
33.5°	387.7	386.2	388.8	387.4	380.2	378.8	377.7	376.6	372.0	372.6	371.0
34°	383.8	382.1	384.9	383.5	376.1	374.8	373.7	372.6	367.8	368.5	367.0
34.5°	379.9	378.2	380.7	379.3	372.0	370.7	369.6	368.6	363.5	364.2	362.8
35°	375.8	374.2	376.9	375.4	367.9	366.6	365.4	364.4	359.4	360.0	358.7
35.5°	371.7	370.0	372.9	371.4	363.7	362.4	361.2	360.2	355.1	355.8	354.4
36°	367.6	366.0	368.7	367.1	359.5	358.3	357.1	355.9	350.6	351.4	349.9
36.5°	363.6	361.8	364.5	362.9	355.3	354.1	352.8	351.7	346.4	347.1	345.6
37°	359.4	357.5	360.5	358.8	350.8	349.6	348.4	347.2	341.9	342.5	341.2
37.5°	355.0	353.2	356.0	354.5	346.6	345.2	344.1	342.9	337.5	338.2	336.8
38°	350.8	349.0	351.6	350.1	342.1	340.7	339.6	338.5	333.1	333.8	332.3
38.5°	346.4	344.6	347.3	345.9	337.8	336.4	335.1	334.1	328.5	329.2	327.9
39°	342.1	340.1	343.1	341.5	333.3	331.8	330.7	329.5	323.9	324.8	323.5
39.5°	337.7	335.7	338.4	336.8	328.6	327.3	326.2	325.0	319.4	320.2	318.8
40°	333.1	331.2	334.2	332.4	324.2	322.8	321.6	320.5	314.8	315.5	314.4
40.5°	328.6	326.7	329.6	328.0	319.6	318.3	317.1	315.9	310.3	311.1	309.7
41°	324.1	322.0	325.1	323.4	314.9	313.5	312.5	311.2	305.5	306.5	305.1
41.5°	319.6	317.5	320.4	318.7	309.9	308.6	307.4	306.3	300.5	301.7	300.5
42°	314.9	312.9	316.1	314.1	304.8	303.4	302.2	301.2	295.5	296.8	295.5
42.5°	310.3	308.1	311.2	309.1	299.6	298.2	297.0	296.0	290.2	291.7	290.4
43°	305.4	303.1	306.2	304.0	294.2	292.7	291.7	290.7	284.8	286.5	285.1
43.5°	300.3	297.8	301.2	298.9	288.8	287.3	286.3	285.3	279.2	281.0	279.8
44°	295.0	292.4	295.9	293.4	283.2	281.7	280.8	279.7	273.8	275.6	274.3
44.5°	289.5	287.0	290.4	287.9	277.5	276.2	275.2	274.1	268.1	270.0	268.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	284.1	281.5	285.0	282.4	272.0	270.5	269.6	268.6	262.6	264.3	263.1
45.5°	278.6	276.0	279.4	276.8	266.3	264.9	264.0	263.0	257.0	258.9	257.6
46°	273.1	270.3	273.8	271.3	260.7	259.2	258.4	257.3	251.3	253.3	251.8
46.5°	267.5	264.6	268.0	265.5	255.0	253.5	252.7	251.6	245.5	247.5	246.3
47°	261.7	258.9	262.4	259.9	249.0	247.7	246.8	245.9	239.9	241.9	240.5
47.5°	256.0	253.2	256.6	254.1	243.4	241.9	241.1	240.2	234.1	236.1	234.9
48°	250.3	247.4	250.9	248.3	237.7	236.2	235.5	234.4	228.6	230.6	229.2
48.5°	244.6	241.7	244.9	242.5	231.9	230.5	229.8	228.8	222.8	224.9	223.4
49°	238.8	236.0	239.4	236.8	226.3	224.8	224.1	223.2	217.2	219.2	217.8
49.5°	233.2	230.1	233.5	230.9	220.3	219.1	218.4	217.5	211.6	213.5	212.1
50°	227.5	224.5	227.8	225.3	214.7	213.4	212.6	211.8	206.0	208.1	206.5
50.5°	221.7	218.8	222.0	219.6	209.0	207.6	206.9	206.2	200.3	202.3	201.0
51°	215.9	212.9	216.4	213.8	203.3	201.9	201.3	200.5	194.9	196.8	195.4
51.5°	210.3	207.3	210.4	207.9	197.6	196.4	195.7	195.0	189.4	191.5	189.9
52°	204.9	201.8	204.8	202.2	192.0	190.8	190.1	189.5	184.2	186.0	184.4
52.5°	199.2	196.1	199.4	196.8	186.4	185.2	184.6	184.0	178.5	180.5	179.1
53°	193.5	190.4	193.5	191.0	180.9	179.8	179.1	178.5	173.3	175.4	173.8
53.5°	188.1	185.0	187.8	185.4	175.4	174.2	173.6	173.1	167.8	169.9	168.2
54°	182.6	179.5	182.5	180.0	170.0	168.8	168.3	167.8	162.7	164.6	163.1
54.5°	177.1	174.0	177.0	174.4	164.5	163.4	162.8	162.4	157.5	159.5	157.9
55°	171.7	168.7	171.4	168.7	159.2	158.2	157.7	157.2	152.4	154.3	152.7
55.5°	166.3	163.5	166.0	163.5	153.9	152.9	152.4	152.0	147.2	149.2	147.6
56°	161.0	158.0	160.8	158.3	148.6	147.6	147.2	146.8	142.4	144.2	142.5
56.5°	155.8	152.8	155.3	152.9	143.4	142.4	142.0	141.7	137.2	139.2	137.5
57°	150.6	147.6	150.1	147.6	138.5	137.3	136.9	136.7	132.4	134.3	132.6
57.5°	145.3	142.5	145.0	142.6	133.3	132.3	131.9	131.7	127.5	129.4	127.8
58°	140.2	137.4	139.7	137.2	128.4	127.3	127.1	126.8	122.8	124.7	123.0
58.5°	135.3	132.4	134.7	132.3	123.5	122.4	122.1	121.9	118.1	120.1	118.1
59°	130.4	127.4	129.7	127.4	118.7	117.6	117.3	117.2	113.5	115.3	113.6
59.5°	125.3	122.6	124.8	122.4	113.8	112.8	112.5	112.5	108.8	110.7	109.1
60°	120.5	117.7	119.8	117.6	109.1	108.1	107.8	107.9	104.4	106.3	104.4
60.5°	115.9	113.0	115.0	112.8	104.5	103.5	103.2	103.3	99.9	101.8	100.0
61°	111.1	108.4	110.3	108.1	99.9	99.0	98.7	98.9	95.7	97.5	95.7
61.5°	106.4	103.7	105.7	103.4	95.4	94.6	94.2	94.4	91.4	93.3	91.4
62°	102.0	99.2	101.1	98.9	91.2	90.2	89.9	90.1	87.0	89.0	87.1
62.5°	97.4	94.8	96.6	94.5	86.7	86.0	85.6	85.9	82.7	84.8	83.1
63°	93.1	90.3	92.2	90.1	82.6	81.9	81.5	81.9	78.4	80.7	79.2
63.5°	88.6	86.0	87.8	85.8	78.5	77.8	77.4	77.8	74.2	76.6	75.2
64°	84.5	81.9	83.6	81.5	74.4	73.7	73.3	73.7	69.9	72.6	71.2
64.5°	80.1	77.8	79.4	77.3	70.3	69.6	69.2	69.7	65.6	68.5	67.2
65°	75.9	73.6	75.3	73.4	66.2	65.5	65.2	65.6	61.7	64.8	63.4
65.5°	71.6	69.7	71.2	69.3	62.5	61.7	61.4	61.7	57.9	61.0	59.7
66°	67.4	65.7	67.3	65.4	58.8	58.1	57.8	57.9	54.1	57.2	56.3
66.5°	63.1	61.7	63.7	61.7	55.1	54.4	54.2	54.2	50.6	53.7	52.7
67°	59.1	58.0	59.9	58.0	51.6	50.9	50.7	50.6	47.2	50.2	49.4





TEST NUMBER: P640213

CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	55.1	54.2	56.2	54.4	48.2	47.5	47.4	47.2	43.9	46.9	46.2
68°	51.5	50.6	52.7	51.0	44.9	44.4	44.1	43.8	40.6	43.6	43.0
68.5°	47.9	47.1	49.4	47.7	41.8	41.1	41.1	40.6	37.6	40.5	40.0
69°	44.6	43.8	46.1	44.3	38.7	38.1	38.1	37.6	34.6	37.4	37.1
69.5°	41.3	40.6	42.9	41.2	35.7	35.2	35.1	34.8	31.7	34.6	34.3
70°	38.3	37.6	39.9	38.3	32.9	32.4	32.4	32.0	29.1	31.9	31.7
70.5°	35.4	34.8	36.9	35.3	30.2	29.7	29.8	29.5	26.6	29.4	29.1
71°	32.5	32.5	34.1	32.4	27.7	27.3	27.4	27.0	24.1	26.9	26.7
71.5°	30.1	30.0	31.7	30.1	25.3	24.9	25.1	24.7	21.9	24.6	24.4
72°	27.7	27.6	29.3	27.7	23.0	22.8	22.9	22.6	19.8	22.4	22.4
72.5°	25.3	25.1	26.9	25.4	21.0	20.7	20.9	20.6	17.9	20.6	20.5
73°	22.9	22.7	24.6	23.0	19.1	18.9	19.1	18.8	16.3	18.8	18.7
73.5°	20.8	20.7	22.2	21.0	17.4	17.2	17.4	17.1	15.2	17.3	17.1
74°	18.9	18.9	20.2	19.1	15.9	15.9	15.9	15.7	14.1	15.8	15.7
74.5°	17.2	17.3	18.5	17.5	14.7	14.6	14.6	14.4	13.2	14.6	14.4
75°	15.9	15.8	16.9	16.0	13.7	13.5	13.5	13.4	12.5	13.4	13.4
75.5°	14.6	14.6	15.4	14.6	12.8	12.8	12.7	12.5	11.9	12.5	12.6
76°	13.5	13.4	14.2	13.6	12.2	12.2	12.1	11.8	11.3	11.9	12.1
76.5°	12.7	12.5	13.2	12.8	11.7	11.6	11.5	11.2	10.7	11.3	11.4
77°	12.1	11.9	12.4	12.1	11.1	11.0	10.9	10.6	10.1	10.7	10.8
77.5°	11.5	11.3	11.8	11.5	10.5	10.4	10.4	10.0	9.5	10.1	10.3
78°	10.9	10.7	11.2	11.0	9.9	9.9	9.8	9.5	8.9	9.5	9.7
78.5°	10.3	10.1	10.7	10.4	9.4	9.3	9.3	8.9	8.4	8.9	9.1
79°	9.7	9.5	10.1	9.9	8.8	8.8	8.7	8.3	7.9	8.4	8.6
79.5°	9.1	8.9	9.5	9.3	8.3	8.3	8.2	7.8	7.3	7.8	8.1
80°	8.6	8.4	9.0	8.8	7.8	7.8	7.7	7.3	6.8	7.3	7.6
80.5°	8.0	7.8	8.4	8.3	7.3	7.2	7.1	6.8	6.3	6.8	7.0
81°	7.5	7.3	7.9	7.7	6.8	6.7	6.6	6.2	5.8	6.2	6.5
81.5°	6.9	6.7	7.4	7.2	6.3	6.2	6.1	5.7	5.3	5.7	6.0
82°	6.4	6.2	6.9	6.7	5.8	5.7	5.6	5.2	4.8	5.2	5.5
82.5°	5.9	5.7	6.3	6.2	5.3	5.3	5.1	4.7	4.3	4.7	5.0
83°	5.4	5.2	5.9	5.8	4.8	4.8	4.6	4.2	3.8	4.2	4.5
83.5°	4.9	4.7	5.4	5.3	4.4	4.3	4.2	3.8	3.4	3.8	4.1
84°	4.4	4.2	4.9	4.8	3.9	3.9	3.7	3.3	2.9	3.3	3.7
84.5°	3.9	3.8	4.4	4.4	3.5	3.4	3.3	2.9	2.5	2.9	3.2
85°	3.5	3.4	4.0	3.9	3.0	3.0	2.9	2.5	2.2	2.5	2.8
85.5°	3.1	2.9	3.5	3.4	2.6	2.6	2.5	2.1	1.8	2.1	2.4
86°	2.7	2.5	3.1	3.0	2.2	2.1	2.1	1.8	1.4	1.8	2.0
86.5°	2.2	2.1	2.7	2.6	1.8	1.7	1.7	1.4	1.1	1.4	1.6
87°	1.8	1.7	2.3	2.2	1.4	1.3	1.3	1.1	0.9	1.1	1.2
87.5°	1.4	1.4	1.9	1.7	1.0	0.9	0.9	0.8	0.6	0.8	0.8
88°	1.1	1.0	1.5	1.3	0.6	0.5	0.6	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°	0.6	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: P640213  
 CATALOG NUMBER: LCR810RD9FSE040-12W-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	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0
90.5°	0.1	0.1	0.1	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°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
96.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
98°	0.1	0.1	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	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
99°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
99.5°	0.1	0.1	0.1	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	0.1	0.0	0.0	0.0	0.1	0.1	0.0
101.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0
102°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
102.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
103°	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0
103.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
104°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.1
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°	0.1	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: P640213  
 CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**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°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.2	0.2	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	0.2	0.1	0.1
127°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
127.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
128°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1
128.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1
129°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
129.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	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	0.2
130.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	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	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: P640213

CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**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	0.3	0.2	0.2
148.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
149°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
149.5°	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3
150°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
150.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
151°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	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°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
156.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P640213

CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
158.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
159.5°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160.5°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
161.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
163.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
164.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
165.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
166.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
169°	0.3	0.3	0.3	0.3	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: P640213  
CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**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: P640213

CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	518.6	518.6	518.6	518.6	518.6	518.6
0.5°	518.4	518.6	518.6	518.6	518.6	518.6
1°	518.3	518.5	518.5	518.5	518.5	518.6
1.5°	518.0	518.4	518.4	518.4	518.5	518.6
2°	517.7	518.2	518.3	518.2	518.3	518.5
2.5°	517.3	518.0	518.1	518.1	518.1	518.4
3°	516.8	517.7	517.7	517.8	517.8	518.1
3.5°	516.3	517.3	517.4	517.4	517.4	517.8
4°	515.8	516.9	517.0	517.0	517.0	517.4
4.5°	515.2	516.4	516.5	516.5	516.6	517.0
5°	514.5	515.8	515.9	516.0	516.1	516.5
5.5°	513.7	515.2	515.3	515.4	515.5	515.9
6°	512.9	514.5	514.7	514.8	514.8	515.4
6.5°	512.0	513.7	514.0	514.1	514.1	514.7
7°	511.0	512.9	513.2	513.3	513.3	514.0
7.5°	510.0	512.0	512.4	512.4	512.4	513.2
8°	508.9	511.2	511.4	511.5	511.5	512.3
8.5°	507.8	510.2	510.4	510.6	510.6	511.4
9°	506.7	509.1	509.4	509.5	509.6	510.4
9.5°	505.5	508.0	508.4	508.5	508.5	509.3
10°	504.1	506.8	507.2	507.3	507.4	508.2
10.5°	502.7	505.6	506.0	506.1	506.1	507.0
11°	501.3	504.3	504.7	504.9	504.8	505.8
11.5°	499.8	502.9	503.5	503.5	503.5	504.5
12°	498.3	501.5	502.1	502.1	502.1	503.2
12.5°	496.7	500.0	500.6	500.7	500.6	501.8
13°	495.1	498.5	499.1	499.1	499.1	500.3
13.5°	493.3	496.9	497.4	497.5	497.5	498.7
14°	491.5	495.3	495.9	495.9	495.9	497.1
14.5°	489.6	493.5	494.2	494.2	494.1	495.4
15°	487.7	491.7	492.4	492.4	492.3	493.6
15.5°	485.7	489.8	490.6	490.6	490.5	491.8
16°	483.6	488.0	488.7	488.7	488.6	490.0
16.5°	481.5	486.0	486.8	486.8	486.7	488.0
17°	479.4	484.0	484.8	484.7	484.7	486.1
17.5°	477.1	481.8	482.7	482.6	482.6	484.1
18°	474.9	479.7	480.6	480.5	480.4	481.9
18.5°	472.5	477.4	478.3	478.3	478.2	479.8
19°	470.1	475.3	476.1	476.1	476.0	477.5
19.5°	467.6	472.9	473.9	473.8	473.7	475.3
20°	465.1	470.5	471.5	471.5	471.2	473.0
20.5°	462.5	468.0	469.1	469.0	468.7	470.5
21°	459.8	465.6	466.6	466.6	466.2	468.0
21.5°	457.1	463.0	464.0	463.9	463.7	465.5
22°	454.4	460.4	461.4	461.4	461.0	462.9

TEST NUMBER: P640213

CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	451.5	457.7	458.8	458.7	458.4	460.3
23°	448.6	455.0	456.0	456.0	455.7	457.6
23.5°	445.7	452.2	453.2	453.2	452.9	454.8
24°	442.7	449.2	450.4	450.3	450.0	452.0
24.5°	439.5	446.3	447.5	447.4	447.1	449.1
25°	436.5	443.4	444.5	444.5	444.1	446.1
25.5°	433.3	440.4	441.5	441.5	441.1	443.1
26°	430.1	437.3	438.5	438.5	438.0	440.1
26.5°	426.8	434.1	435.3	435.3	434.8	437.0
27°	423.4	431.0	432.2	432.2	431.6	433.8
27.5°	420.0	427.7	428.9	428.9	428.4	430.5
28°	416.5	424.4	425.6	425.6	425.0	427.3
28.5°	413.2	421.0	422.2	422.2	421.7	423.9
29°	409.6	417.6	418.9	418.8	418.2	420.5
29.5°	405.8	414.1	415.4	415.3	414.8	417.1
30°	402.3	410.6	412.0	411.9	411.3	413.6
30.5°	398.5	407.0	408.5	408.4	407.8	410.0
31°	394.8	403.4	404.9	404.7	404.1	406.5
31.5°	391.0	399.7	401.3	401.0	400.5	402.8
32°	387.1	395.9	397.5	397.3	396.8	399.1
32.5°	383.2	392.2	393.8	393.5	393.0	395.3
33°	379.2	388.4	389.8	389.6	389.1	391.6
33.5°	375.3	384.5	386.0	385.8	385.2	387.7
34°	371.2	380.6	382.2	381.9	381.3	383.8
34.5°	366.9	376.5	378.2	377.9	377.3	379.9
35°	363.0	372.6	374.1	373.9	373.2	375.8
35.5°	358.7	368.4	370.1	369.9	369.2	371.7
36°	354.4	364.4	365.9	365.7	365.0	367.6
36.5°	350.2	360.1	361.8	361.5	360.9	363.6
37°	345.9	355.9	357.5	357.3	356.6	359.4
37.5°	341.4	351.6	353.4	353.0	352.4	355.0
38°	337.0	347.2	348.9	348.7	348.0	350.8
38.5°	332.8	342.9	344.6	344.3	343.7	346.4
39°	328.4	338.6	340.2	340.0	339.2	342.1
39.5°	323.6	334.1	335.9	335.6	334.9	337.7
40°	319.2	329.7	331.4	331.1	330.3	333.1
40.5°	314.7	325.3	326.9	326.8	325.8	328.6
41°	310.2	320.7	322.5	322.2	321.4	324.1
41.5°	305.5	316.2	318.0	317.7	316.9	319.6
42°	300.7	311.7	313.4	313.2	312.3	314.9
42.5°	295.7	307.0	308.9	308.6	307.6	310.3
43°	290.5	302.2	303.9	303.7	302.6	305.4
43.5°	285.2	297.0	298.8	298.5	297.4	300.3
44°	279.9	291.7	293.6	293.3	292.1	295.0
44.5°	274.2	286.5	288.4	288.0	286.8	289.5



TEST NUMBER: P640213

CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	268.8	281.1	282.8	282.6	281.2	284.1
45.5°	263.3	275.6	277.4	277.2	275.6	278.6
46°	257.7	270.2	271.9	271.6	270.0	273.1
46.5°	252.0	264.4	266.2	265.9	264.4	267.5
47°	246.3	258.8	260.7	260.2	258.7	261.7
47.5°	240.7	253.2	254.9	254.5	253.0	256.0
48°	235.1	247.5	249.2	248.8	247.3	250.3
48.5°	229.3	241.9	243.5	243.1	241.6	244.6
49°	223.7	236.1	237.8	237.3	235.9	238.8
49.5°	218.1	230.6	232.1	231.6	230.2	233.2
50°	212.2	224.9	226.3	225.8	224.4	227.5
50.5°	206.7	219.1	220.5	220.1	218.6	221.7
51°	201.1	213.6	215.0	214.4	212.9	215.9
51.5°	195.6	207.9	209.3	208.7	207.3	210.3
52°	189.9	202.3	203.7	203.1	201.6	204.9
52.5°	184.6	196.8	197.9	197.4	196.0	199.2
53°	179.1	191.2	192.4	191.8	190.5	193.5
53.5°	173.6	185.7	186.9	186.2	184.8	188.1
54°	168.2	180.2	181.3	180.7	179.4	182.6
54.5°	163.0	174.8	175.9	175.3	173.9	177.1
55°	157.6	169.5	170.5	169.8	168.6	171.7
55.5°	152.4	164.1	165.1	164.5	163.2	166.3
56°	147.1	158.7	159.8	159.1	157.9	161.0
56.5°	142.2	153.5	154.5	153.8	152.6	155.8
57°	137.1	148.3	149.3	148.5	147.4	150.6
57.5°	132.1	143.2	144.2	143.3	142.3	145.3
58°	127.3	138.2	139.1	138.4	137.3	140.2
58.5°	122.4	133.1	134.0	133.3	132.2	135.3
59°	117.6	128.1	129.2	128.3	127.3	130.4
59.5°	113.0	123.3	124.2	123.3	122.4	125.3
60°	108.3	118.5	119.4	118.6	117.6	120.5
60.5°	103.7	113.6	114.7	113.6	112.8	115.9
61°	99.2	109.1	109.9	109.0	108.2	111.1
61.5°	94.8	104.5	105.4	104.5	103.7	106.4
62°	90.5	99.9	100.8	100.0	99.2	102.0
62.5°	86.2	95.4	96.3	95.4	94.7	97.4
63°	82.2	91.1	91.9	91.1	90.3	93.1
63.5°	78.2	86.7	87.5	86.7	86.0	88.6
64°	74.2	82.4	83.3	82.5	81.8	84.5
64.5°	70.1	78.3	79.2	78.4	77.7	80.1
65°	66.1	74.3	75.1	74.3	73.6	75.9
65.5°	62.3	70.3	71.0	70.4	69.7	71.6
66°	58.7	66.3	67.1	66.4	65.8	67.4
66.5°	55.1	62.5	63.2	62.6	62.0	63.1
67°	51.6	58.8	59.5	58.9	58.3	59.1



TEST NUMBER: P640213

CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	48.3	55.2	55.8	55.4	54.6	55.1
68°	45.1	51.7	52.3	51.9	51.0	51.5
68.5°	41.9	48.2	48.9	48.4	47.5	47.9
69°	38.9	44.9	45.6	45.2	44.1	44.6
69.5°	36.0	41.7	42.3	42.0	40.9	41.3
70°	33.3	38.7	39.2	39.1	37.8	38.3
70.5°	30.6	35.7	36.3	36.1	34.9	35.4
71°	28.1	32.8	33.5	33.4	32.6	32.5
71.5°	25.7	30.4	31.1	31.0	30.1	30.1
72°	23.6	28.0	28.8	28.6	27.7	27.7
72.5°	21.5	25.6	26.4	26.3	25.2	25.3
73°	19.7	23.3	24.0	23.9	22.8	22.9
73.5°	18.0	21.2	21.7	21.6	20.8	20.8
74°	16.5	19.4	19.8	19.7	19.0	18.9
74.5°	15.2	17.8	18.1	18.0	17.4	17.2
75°	14.0	16.3	16.6	16.5	15.9	15.9
75.5°	13.2	15.1	15.3	15.2	14.6	14.6
76°	12.5	13.9	14.1	14.0	13.5	13.5
76.5°	11.9	13.1	13.2	13.1	12.7	12.7
77°	11.3	12.5	12.6	12.5	12.0	12.1
77.5°	10.7	11.9	12.0	11.9	11.4	11.5
78°	10.2	11.3	11.4	11.3	10.8	10.9
78.5°	9.6	10.7	10.8	10.7	10.2	10.3
79°	9.0	10.1	10.2	10.1	9.6	9.7
79.5°	8.5	9.6	9.7	9.5	9.0	9.1
80°	8.0	9.0	9.1	9.0	8.4	8.6
80.5°	7.5	8.5	8.6	8.5	7.9	8.0
81°	7.0	7.9	8.0	7.9	7.4	7.5
81.5°	6.4	7.4	7.5	7.4	6.8	6.9
82°	5.9	6.9	7.0	6.8	6.3	6.4
82.5°	5.4	6.4	6.5	6.3	5.8	5.9
83°	5.0	5.9	6.0	5.8	5.3	5.4
83.5°	4.5	5.4	5.5	5.3	4.8	4.9
84°	4.0	4.9	5.0	4.9	4.3	4.4
84.5°	3.6	4.5	4.5	4.4	3.8	3.9
85°	3.1	4.0	4.1	3.9	3.4	3.5
85.5°	2.7	3.6	3.6	3.5	2.9	3.1
86°	2.3	3.1	3.2	3.1	2.6	2.7
86.5°	1.9	2.7	2.7	2.6	2.2	2.2
87°	1.5	2.2	2.3	2.2	1.8	1.8
87.5°	1.0	1.8	1.9	1.8	1.4	1.4
88°	0.6	1.4	1.4	1.4	1.1	1.1
88.5°	0.3	1.0	1.0	1.0	0.8	0.8
89°	0.1	0.6	0.6	0.6	0.5	0.6
89.5°	0.0	0.2	0.3	0.2	0.2	0.3



TEST NUMBER: P640213  
 CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**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	0.1
96.5°	0.0	0.0	0.0	0.0	0.0	0.1
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	0.1	0.0	0.0	0.0	0.1
98.5°	0.0	0.1	0.0	0.0	0.0	0.1
99°	0.0	0.1	0.1	0.0	0.1	0.1
99.5°	0.0	0.1	0.1	0.1	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°	0.1	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	0.1	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: P640213

CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**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	0.2
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	0.2	0.2
127°	0.1	0.1	0.1	0.1	0.2	0.2
127.5°	0.1	0.2	0.1	0.2	0.2	0.2
128°	0.1	0.2	0.2	0.2	0.2	0.2
128.5°	0.1	0.2	0.2	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°	0.2	0.2	0.2	0.2	0.2	0.2
130.5°	0.2	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: P640213  
 CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**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°	0.3	0.2	0.2	0.2	0.2	0.2
149.5°	0.3	0.2	0.2	0.2	0.2	0.2
150°	0.3	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	0.3
155°	0.3	0.2	0.2	0.2	0.2	0.3
155.5°	0.3	0.2	0.2	0.2	0.2	0.3
156°	0.3	0.2	0.2	0.2	0.2	0.3
156.5°	0.3	0.2	0.2	0.2	0.3	0.3
157°	0.3	0.2	0.2	0.2	0.3	0.3



TEST NUMBER: P640213

CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.3	0.2	0.2	0.2	0.3	0.3
158°	0.3	0.2	0.2	0.2	0.3	0.3
158.5°	0.3	0.2	0.2	0.2	0.3	0.3
159°	0.3	0.2	0.2	0.2	0.3	0.3
159.5°	0.3	0.2	0.2	0.3	0.3	0.3
160°	0.3	0.2	0.2	0.3	0.3	0.3
160.5°	0.3	0.2	0.2	0.3	0.3	0.3
161°	0.3	0.2	0.2	0.3	0.3	0.3
161.5°	0.3	0.2	0.2	0.3	0.3	0.3
162°	0.3	0.2	0.2	0.3	0.3	0.3
162.5°	0.3	0.2	0.2	0.3	0.3	0.3
163°	0.3	0.2	0.2	0.3	0.3	0.3
163.5°	0.3	0.2	0.2	0.3	0.3	0.3
164°	0.3	0.2	0.3	0.3	0.3	0.3
164.5°	0.3	0.2	0.3	0.3	0.3	0.3
165°	0.3	0.2	0.3	0.3	0.3	0.3
165.5°	0.3	0.2	0.3	0.3	0.3	0.3
166°	0.3	0.2	0.3	0.3	0.3	0.3
166.5°	0.3	0.2	0.3	0.3	0.3	0.3
167°	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.3	0.3	0.3	0.3	0.3	0.3
168°	0.3	0.3	0.3	0.3	0.3	0.3
168.5°	0.3	0.3	0.3	0.3	0.3	0.3
169°	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
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: P640213  
CATALOG NUMBER: LCR810RD9FSE040-12W-5000K

**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)