

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: P640238

Luminaire Tested: LCR850RD9FSE040-50W-6500K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2208047D001)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: LCR850RD9FSE040-50W-6500K
Description: LCR 8
Light Source: 6500K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

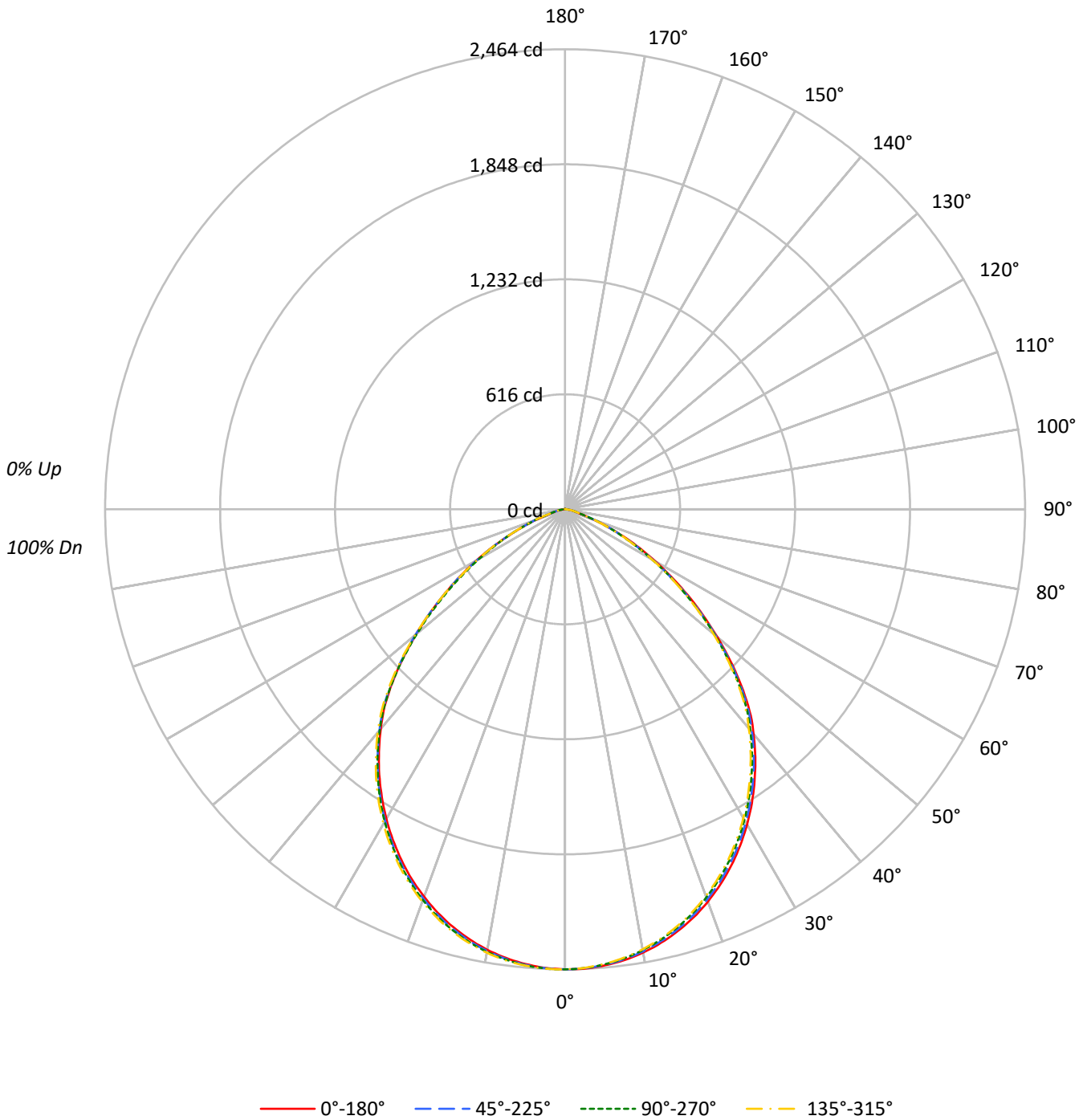
Lumens per Lamp: N/A
Luminaire Lumens: 5100.0 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.26
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 50
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: P640238
CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P640238

CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	247.4	250.5	247.0	241.7	245.5	244.5	244.2	244.6	240.7	247.1	248.9
68°	230.4	233.7	231.3	225.8	229.5	228.4	228.3	227.6	224.1	230.5	232.5
68.5°	213.9	217.2	215.6	210.5	214.3	213.2	212.9	211.5	208.1	214.3	216.9
69°	198.0	201.1	200.5	195.5	199.2	198.0	198.1	196.2	192.6	198.8	201.9
69.5°	182.4	186.1	185.5	181.2	184.7	183.8	183.7	181.5	177.8	184.1	187.3
70°	167.8	171.8	172.2	167.8	170.7	170.1	169.7	167.6	163.4	170.1	173.2
70.5°	154.0	158.1	158.6	154.8	157.8	156.9	157.0	154.6	150.5	156.8	160.2
71°	140.9	145.0	146.0	142.1	145.1	144.7	144.5	142.0	137.6	144.0	147.4
71.5°	128.3	132.6	133.5	130.7	133.4	133.0	132.8	130.3	125.4	132.2	135.5
72°	116.3	121.2	122.8	119.8	122.3	121.6	121.5	119.3	114.0	120.8	124.2
72.5°	104.7	110.5	112.2	109.7	112.0	111.5	111.5	109.1	103.4	110.4	113.6
73°	94.6	100.6	102.3	100.2	102.2	102.0	101.7	99.5	93.1	100.7	103.8
73.5°	85.6	92.0	93.1	91.6	93.8	93.3	93.1	92.6	86.5	92.0	94.9
74°	78.2	84.0	85.4	83.9	87.2	86.6	86.3	85.6	79.9	85.4	88.6
74.5°	72.6	77.0	78.2	77.0	80.5	80.0	79.6	78.6	73.2	78.8	82.3
75°	67.2	70.7	72.0	71.1	73.9	73.4	73.0	71.6	66.6	72.2	76.0
75.5°	63.5	65.4	66.5	66.0	67.3	66.9	66.3	64.6	63.0	65.7	69.7
76°	60.3	61.2	62.5	62.2	63.2	62.9	62.3	60.6	59.7	61.4	63.4
76.5°	57.2	58.0	59.4	59.2	60.1	59.9	59.3	57.5	56.7	58.3	60.3
77°	54.3	55.0	56.5	56.3	57.2	57.0	56.3	54.4	53.7	55.2	57.3
77.5°	51.3	52.0	53.6	53.5	54.3	54.2	53.5	51.6	50.9	52.3	54.5
78°	48.5	49.1	50.7	50.7	51.5	51.4	50.7	48.7	47.9	49.3	51.5
78.5°	45.6	46.2	47.9	48.0	48.8	48.6	47.9	45.9	45.2	46.5	48.8
79°	42.9	43.4	45.2	45.3	46.2	45.9	45.2	43.1	42.5	43.6	46.0
79.5°	40.2	40.6	42.5	42.7	43.5	43.3	42.6	40.4	39.8	41.0	43.3
80°	37.4	37.9	39.8	40.1	40.8	40.7	39.9	37.8	37.1	38.2	40.7
80.5°	34.9	35.4	37.3	37.7	38.3	38.2	37.4	35.1	34.5	35.6	38.1
81°	32.8	32.7	34.6	35.1	35.9	35.6	34.8	32.6	32.0	33.0	35.5
81.5°	30.2	30.3	32.2	32.4	33.4	33.2	32.4	30.1	29.5	30.5	33.0
82°	27.7	27.8	29.9	30.1	30.9	30.8	29.9	27.6	27.0	28.0	30.6
82.5°	25.1	25.4	27.5	27.8	28.6	28.4	27.5	25.2	24.7	25.5	28.2
83°	22.5	22.9	25.1	25.5	26.3	26.1	25.1	22.8	22.3	23.1	25.8
83.5°	20.2	20.5	22.7	23.2	23.9	23.8	22.8	20.5	20.0	20.8	23.5
84°	17.8	18.2	20.5	21.0	21.6	21.5	20.5	18.2	17.7	18.5	21.2
84.5°	15.6	15.9	18.3	18.8	19.4	19.3	18.4	16.0	15.5	16.2	19.0
85°	13.4	13.7	16.2	16.6	17.2	17.1	16.2	14.0	13.3	14.2	16.9
85.5°	11.3	12.0	14.2	14.5	15.1	15.0	14.1	12.0	11.4	12.4	14.7
86°	9.6	10.0	12.2	12.4	13.0	12.9	12.2	10.4	9.8	10.7	12.7
86.5°	7.9	8.3	10.2	10.3	11.0	10.9	10.3	8.7	8.2	9.0	10.8
87°	6.4	6.8	8.3	8.3	9.0	8.9	8.4	7.0	6.6	7.4	8.9
87.5°	5.0	5.3	6.3	6.3	7.0	6.9	6.5	5.4	5.0	5.7	7.0
88°	3.6	3.8	4.5	4.3	5.0	4.9	4.6	3.7	3.5	4.0	5.0
88.5°	2.8	2.9	2.6	3.5	3.0	2.9	2.8	2.3	2.1	2.5	3.1
89°	1.9	2.0	2.0	2.7	1.2	1.1	1.1	1.0	0.9	1.1	1.3
89.5°	1.1	1.2	1.4	1.9	0.2	0.3	0.3	0.4	0.3	0.3	0.3



TEST NUMBER: P640238
 CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.3	0.3	0.8	1.0	0.2	0.2	0.2	0.3	0.3	0.3	0.2
90.5°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
91°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
91.5°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
92°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
92.5°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
93°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
93.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
94°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
94.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
95°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
95.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
97°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
97.5°	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
99°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
99.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
100°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
100.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
101°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
101.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
102°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
102.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
103°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
103.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2
104°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2
104.5°	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2
105°	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2
105.5°	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2
106°	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2
106.5°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2
107°	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2
107.5°	0.4	0.4	0.4	0.4	0.3	0.2	0.3	0.3	0.3	0.3	0.3
108°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
108.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
109°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
109.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
110°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
110.5°	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
111°	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
111.5°	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
112°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3
113°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3
113.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.3
114°	0.5	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.4	0.4	0.4
114.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
115°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
115.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
116°	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
116.5°	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
117°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4
117.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4
118°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.4
118.5°	0.6	0.6	0.6	0.6	0.4	0.4	0.5	0.5	0.5	0.5	0.5
119°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
119.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
120.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
121°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
121.5°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.5
122°	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.5
122.5°	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.5
123°	0.7	0.7	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.6
123.5°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
124°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
124.5°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
125°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
125.5°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.6
126°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.6
126.5°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.6
127°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7
127.5°	0.8	0.8	0.7	0.8	0.7	0.6	0.7	0.7	0.7	0.7	0.7
128°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.7	0.7
128.5°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.7	0.7
129°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.7
129.5°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.7
130°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.7
130.5°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.7
131°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.7
131.5°	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8
132°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8
132.5°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8
133°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8
133.5°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8
134°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8
134.5°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8



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 CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8
135.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	1.0	0.9	0.9
136°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9
136.5°	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9
137°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9
137.5°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9
138°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	0.9
138.5°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	0.9
139°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	0.9
139.5°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.0	1.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
140.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
141°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
141.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
142°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0
142.5°	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0
143°	1.1	1.1	1.0	1.0	1.1	1.0	1.0	1.1	1.1	1.1	1.1
143.5°	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
144°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
144.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
146°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
146.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
147°	1.1	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.2	1.2	1.2
147.5°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
148°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
148.5°	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
149°	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
149.5°	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2
151°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3
151.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
152.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
153°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
153.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
154°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
154.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.3
155°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4
155.5°	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.4	1.4
156°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
156.5°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
157°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4



TEST NUMBER: P640238
 CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
158°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
158.5°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
159°	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
159.5°	1.3	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.5	1.5	1.4
160°	1.3	1.3	1.2	1.2	1.4	1.4	1.4	1.5	1.5	1.5	1.5
160.5°	1.3	1.3	1.2	1.2	1.4	1.4	1.5	1.5	1.5	1.5	1.5
161°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
161.5°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
162°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
162.5°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
163°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
163.5°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
164°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
164.5°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165.5°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
166°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
166.5°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167°	1.3	1.3	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
168°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
168.5°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
169°	1.3	1.3	1.3	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
169.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
170°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
170.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
171°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
171.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
172°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
172.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
173°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
173.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
174°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
174.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
175°	1.4	1.4	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
175.5°	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
176°	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
176.5°	1.4	1.4	1.4	1.4	1.6	1.6	1.5	1.5	1.5	1.5	1.5
177°	1.4	1.4	1.4	1.4	1.6	1.6	1.5	1.5	1.5	1.5	1.5
177.5°	1.4	1.4	1.4	1.4	1.5	1.6	1.5	1.5	1.5	1.5	1.5
178°	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
178.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
179°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
179.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



TEST NUMBER: P640238
CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

TEST NUMBER: P640238

CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2464.1	2464.1	2464.1	2464.1	2464.1	2464.1
0.5°	2464.1	2464.2	2464.3	2464.4	2464.6	2464.2
1°	2464.1	2464.1	2464.3	2464.2	2464.5	2463.9
1.5°	2463.2	2463.5	2463.6	2463.9	2464.3	2463.7
2°	2462.4	2462.7	2463.1	2463.2	2463.1	2462.9
2.5°	2461.0	2461.8	2461.9	2462.5	2462.5	2462.1
3°	2459.8	2460.0	2460.9	2461.2	2461.2	2461.0
3.5°	2457.8	2458.4	2459.2	2459.6	2459.9	2459.4
4°	2455.4	2456.1	2457.4	2457.5	2458.3	2457.3
4.5°	2453.2	2453.9	2455.1	2455.5	2455.8	2455.0
5°	2450.5	2451.2	2452.5	2453.1	2453.6	2452.4
5.5°	2447.5	2448.3	2449.6	2450.5	2450.9	2449.7
6°	2444.0	2444.9	2446.7	2447.5	2447.5	2446.4
6.5°	2440.4	2441.5	2443.3	2444.3	2444.1	2443.0
7°	2436.5	2437.3	2439.4	2440.5	2440.5	2439.3
7.5°	2431.9	2433.2	2435.2	2436.6	2436.4	2435.3
8°	2427.2	2428.4	2430.9	2432.3	2432.3	2431.1
8.5°	2422.3	2423.4	2425.7	2427.3	2427.7	2426.1
9°	2417.1	2418.3	2421.1	2422.4	2422.9	2421.3
9.5°	2411.8	2412.7	2415.5	2417.4	2417.6	2416.1
10°	2406.1	2407.0	2409.9	2411.7	2412.2	2410.8
10.5°	2400.0	2400.9	2404.0	2406.4	2406.5	2404.6
11°	2393.4	2394.7	2397.8	2399.9	2400.1	2398.6
11.5°	2386.6	2388.0	2391.0	2393.2	2393.5	2392.2
12°	2379.5	2380.9	2384.1	2386.5	2386.7	2385.4
12.5°	2372.3	2373.6	2376.9	2379.4	2379.6	2378.3
13°	2364.4	2365.9	2369.7	2371.9	2372.5	2371.2
13.5°	2356.6	2358.5	2361.8	2364.1	2364.9	2363.2
14°	2348.5	2349.9	2353.6	2355.8	2357.0	2355.2
14.5°	2339.8	2341.4	2345.1	2347.8	2348.9	2347.0
15°	2330.9	2332.7	2336.2	2339.2	2340.2	2338.3
15.5°	2321.8	2323.5	2326.8	2330.3	2331.2	2329.3
16°	2312.4	2314.1	2317.8	2320.9	2322.0	2320.2
16.5°	2302.7	2304.2	2308.1	2311.5	2313.0	2310.9
17°	2292.6	2294.1	2297.9	2301.9	2303.2	2301.2
17.5°	2282.4	2283.4	2288.0	2291.8	2292.9	2291.1
18°	2271.4	2273.0	2277.3	2280.6	2282.3	2281.0
18.5°	2260.8	2261.9	2266.5	2269.8	2271.8	2270.0
19°	2249.3	2250.8	2255.5	2259.2	2260.9	2259.1
19.5°	2237.8	2239.2	2243.5	2247.5	2249.7	2247.7
20°	2226.1	2227.5	2232.0	2236.1	2238.1	2236.8
20.5°	2213.8	2215.2	2219.9	2224.2	2226.2	2224.4
21°	2201.0	2202.6	2207.4	2211.9	2214.2	2212.2
21.5°	2188.6	2190.1	2194.6	2199.5	2201.6	2199.7
22°	2175.6	2176.8	2181.7	2186.6	2189.0	2187.4

TEST NUMBER: P640238

CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	2162.6	2163.7	2168.5	2173.6	2176.0	2174.4
23°	2149.0	2149.8	2155.3	2160.2	2163.0	2161.1
23.5°	2135.5	2135.9	2141.2	2146.3	2149.5	2147.8
24°	2121.5	2121.9	2127.6	2132.5	2135.7	2134.0
24.5°	2106.9	2107.6	2112.8	2118.0	2121.1	2119.9
25°	2092.1	2092.5	2098.3	2104.0	2107.1	2105.8
25.5°	2077.6	2077.6	2083.4	2089.3	2092.5	2091.5
26°	2062.5	2062.9	2068.5	2074.4	2077.8	2076.6
26.5°	2047.1	2047.4	2052.7	2058.7	2062.7	2061.2
27°	2031.1	2031.5	2037.3	2043.8	2047.1	2046.1
27.5°	2015.4	2015.7	2021.3	2027.9	2031.4	2030.7
28°	1999.5	1999.2	2005.1	2011.8	2015.9	2015.0
28.5°	1983.1	1982.8	1988.4	1995.6	1999.9	1998.6
29°	1966.6	1966.2	1972.0	1979.2	1983.8	1982.4
29.5°	1949.7	1949.3	1954.9	1962.4	1967.0	1966.0
30°	1933.0	1932.6	1937.9	1945.4	1950.4	1949.4
30.5°	1915.8	1915.0	1920.5	1928.4	1933.3	1932.1
31°	1898.5	1897.2	1902.7	1910.6	1916.0	1915.2
31.5°	1880.6	1879.5	1884.9	1892.9	1898.6	1897.8
32°	1862.6	1861.9	1867.0	1875.3	1880.8	1880.6
32.5°	1844.8	1843.2	1848.7	1857.6	1863.1	1862.6
33°	1826.6	1824.8	1830.4	1839.1	1845.1	1844.4
33.5°	1808.1	1806.2	1811.9	1820.3	1826.9	1826.4
34°	1789.2	1787.4	1793.3	1801.8	1808.3	1808.3
34.5°	1770.6	1768.0	1773.6	1782.8	1789.1	1789.4
35°	1751.3	1749.0	1754.2	1763.5	1770.2	1770.4
35.5°	1732.1	1729.3	1735.0	1744.5	1751.3	1751.3
36°	1712.9	1709.6	1715.3	1724.6	1732.1	1732.3
36.5°	1693.0	1689.7	1695.6	1704.8	1712.0	1712.8
37°	1672.4	1669.7	1675.1	1684.9	1692.3	1693.3
37.5°	1652.8	1648.9	1654.7	1665.0	1672.5	1673.6
38°	1632.3	1628.4	1634.3	1644.6	1652.4	1653.1
38.5°	1612.1	1607.7	1613.8	1623.7	1631.9	1633.0
39°	1591.7	1587.2	1592.8	1603.6	1611.7	1612.9
39.5°	1571.0	1566.2	1571.7	1582.3	1591.1	1592.4
40°	1550.0	1544.5	1550.3	1561.4	1570.4	1571.5
40.5°	1529.3	1523.4	1529.2	1540.1	1549.1	1550.4
41°	1507.6	1502.2	1507.4	1518.5	1528.1	1529.4
41.5°	1486.1	1479.9	1485.6	1497.1	1507.1	1508.1
42°	1464.0	1458.2	1463.5	1474.7	1484.4	1485.2
42.5°	1440.8	1434.3	1440.1	1451.6	1460.9	1462.2
43°	1416.9	1409.7	1415.1	1427.1	1435.9	1437.1
43.5°	1392.2	1384.1	1390.2	1401.7	1411.2	1412.1
44°	1366.5	1358.9	1364.2	1376.2	1385.2	1386.1
44.5°	1341.0	1333.0	1338.2	1350.3	1359.7	1361.1

TEST NUMBER: P640238

CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	1315.0	1306.0	1311.6	1323.6	1332.8	1334.3
45.5°	1288.8	1279.4	1285.2	1297.1	1306.9	1308.1
46°	1262.4	1252.9	1257.9	1270.2	1279.9	1281.4
46.5°	1235.3	1225.8	1231.1	1243.2	1253.4	1254.4
47°	1208.3	1198.8	1203.1	1215.2	1226.0	1227.1
47.5°	1180.8	1170.3	1175.7	1188.6	1198.8	1200.2
48°	1154.0	1143.8	1147.9	1160.9	1171.4	1173.1
48.5°	1127.2	1116.1	1120.8	1133.3	1144.9	1146.1
49°	1099.9	1088.6	1093.5	1106.2	1117.7	1119.3
49.5°	1072.4	1062.2	1065.9	1079.2	1090.3	1092.3
50°	1045.0	1034.0	1037.5	1050.7	1062.3	1064.6
50.5°	1018.0	1006.8	1010.8	1023.5	1035.8	1037.7
51°	991.3	979.1	983.7	996.5	1009.1	1010.9
51.5°	964.0	952.9	956.7	969.6	982.3	984.5
52°	937.5	925.7	929.9	942.4	955.2	958.1
52.5°	911.1	899.4	903.5	916.3	928.9	931.2
53°	884.4	872.7	876.9	889.1	902.5	905.2
53.5°	857.8	846.4	850.7	862.7	876.1	878.9
54°	831.9	819.7	824.5	836.3	849.3	852.7
54.5°	806.1	795.1	798.9	811.0	823.8	827.4
55°	780.9	769.8	773.5	785.0	797.8	801.8
55.5°	755.6	743.8	748.2	759.5	772.9	775.9
56°	731.4	718.9	723.3	734.6	746.8	751.2
56.5°	707.2	694.6	698.8	709.7	722.3	726.4
57°	683.0	670.5	674.1	685.3	696.7	701.5
57.5°	658.8	646.6	649.9	660.5	673.0	677.4
58°	634.6	622.8	626.5	636.6	649.1	653.1
58.5°	610.8	599.5	603.3	613.0	625.4	629.5
59°	587.5	576.5	579.7	589.5	601.2	605.9
59.5°	564.5	554.1	557.3	566.8	578.0	582.7
60°	542.2	531.5	535.0	543.8	555.1	559.9
60.5°	519.5	509.7	512.9	521.5	532.6	537.0
61°	497.5	488.2	491.5	499.5	509.8	514.8
61.5°	476.0	467.2	470.0	478.2	488.2	492.8
62°	455.4	446.9	449.2	457.1	466.7	471.8
62.5°	434.3	425.8	428.7	435.9	445.0	450.1
63°	414.0	405.9	408.7	415.4	424.8	429.1
63.5°	393.7	386.3	389.0	395.5	404.2	407.8
64°	374.4	367.2	369.2	375.9	383.7	386.6
64.5°	355.0	348.5	350.7	356.4	364.1	365.2
65°	336.4	329.5	332.8	338.1	345.2	345.1
65.5°	318.1	311.9	315.3	320.4	324.2	326.8
66°	300.1	294.4	297.8	302.6	306.4	306.9
66.5°	282.3	276.9	280.4	284.9	288.6	287.0
67°	265.5	259.3	262.9	267.2	270.7	267.2

TEST NUMBER: P640238

CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	249.1	243.3	245.4	249.6	252.9	247.4
68°	233.1	227.5	229.4	233.6	236.4	230.4
68.5°	217.6	212.1	214.3	217.8	220.0	213.9
69°	202.5	197.6	199.5	203.1	203.8	198.0
69.5°	188.1	183.4	185.2	188.4	188.6	182.4
70°	174.2	169.8	171.8	175.1	174.4	167.8
70.5°	161.1	156.6	158.5	161.6	160.7	154.0
71°	148.5	144.3	146.4	148.9	147.6	140.9
71.5°	136.4	132.5	134.4	136.9	135.7	128.3
72°	125.1	121.6	123.4	125.7	124.1	116.3
72.5°	114.8	111.2	113.0	115.2	113.5	104.7
73°	104.9	101.6	103.4	105.2	103.4	94.6
73.5°	96.0	92.8	94.4	96.0	94.2	85.6
74°	89.7	85.3	86.4	87.9	86.0	78.2
74.5°	83.4	78.3	79.2	80.4	78.5	72.6
75°	77.0	72.5	73.0	73.9	72.0	67.2
75.5°	70.7	67.3	67.8	68.1	66.4	63.5
76°	64.4	63.5	63.7	63.7	61.8	60.3
76.5°	61.2	60.4	60.7	60.6	58.5	57.2
77°	58.3	57.5	57.8	57.7	55.5	54.3
77.5°	55.4	54.7	54.9	54.7	52.6	51.3
78°	52.6	51.9	52.1	51.9	49.7	48.5
78.5°	49.8	49.1	49.3	49.1	46.9	45.6
79°	47.1	46.4	46.6	46.4	44.0	42.9
79.5°	44.5	43.7	43.9	43.6	41.3	40.2
80°	41.8	41.0	41.3	40.9	38.5	37.4
80.5°	39.2	38.5	38.7	38.3	36.0	34.9
81°	36.7	36.0	36.2	35.7	33.4	32.8
81.5°	34.3	33.5	33.6	33.1	30.9	30.2
82°	31.7	31.1	31.3	30.7	28.4	27.7
82.5°	29.4	28.8	28.9	28.3	25.9	25.1
83°	27.0	26.4	26.5	25.9	23.4	22.5
83.5°	24.7	24.0	24.1	23.5	21.0	20.2
84°	22.3	21.7	21.8	21.2	18.6	17.8
84.5°	20.1	19.4	19.5	19.0	16.4	15.6
85°	17.9	17.2	17.3	16.8	14.3	13.4
85.5°	15.7	15.0	15.1	14.7	12.3	11.3
86°	13.5	12.9	13.0	12.6	10.4	9.6
86.5°	11.5	10.8	10.9	10.6	8.6	7.9
87°	9.5	8.7	8.8	8.6	7.0	6.4
87.5°	7.4	6.7	6.8	6.7	5.5	5.0
88°	5.4	4.7	4.8	4.8	4.0	3.6
88.5°	3.4	2.8	2.9	3.0	3.3	2.8
89°	1.5	2.1	2.2	2.3	2.5	1.9
89.5°	0.3	1.4	1.6	1.6	1.8	1.1



TEST NUMBER: P640238

CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.2	0.8	0.9	0.9	1.1	0.3
90.5°	0.2	0.2	0.2	0.2	0.3	0.2
91°	0.2	0.2	0.2	0.2	0.3	0.2
91.5°	0.2	0.2	0.2	0.2	0.3	0.2
92°	0.2	0.2	0.2	0.2	0.3	0.2
92.5°	0.2	0.2	0.2	0.2	0.3	0.2
93°	0.2	0.2	0.2	0.2	0.2	0.2
93.5°	0.2	0.2	0.2	0.2	0.2	0.2
94°	0.2	0.2	0.2	0.2	0.2	0.2
94.5°	0.2	0.2	0.2	0.2	0.2	0.2
95°	0.2	0.2	0.2	0.2	0.2	0.2
95.5°	0.2	0.2	0.2	0.2	0.2	0.2
96°	0.2	0.2	0.2	0.2	0.2	0.2
96.5°	0.2	0.2	0.2	0.2	0.2	0.3
97°	0.2	0.2	0.2	0.2	0.2	0.3
97.5°	0.2	0.2	0.2	0.2	0.2	0.3
98°	0.2	0.2	0.2	0.2	0.2	0.3
98.5°	0.2	0.3	0.2	0.2	0.2	0.3
99°	0.2	0.3	0.3	0.2	0.3	0.3
99.5°	0.2	0.3	0.3	0.3	0.3	0.3
100°	0.2	0.3	0.3	0.3	0.3	0.3
100.5°	0.2	0.3	0.3	0.3	0.3	0.3
101°	0.2	0.3	0.3	0.3	0.3	0.3
101.5°	0.2	0.3	0.3	0.3	0.3	0.3
102°	0.2	0.3	0.3	0.3	0.3	0.3
102.5°	0.2	0.3	0.3	0.3	0.3	0.3
103°	0.2	0.3	0.3	0.3	0.3	0.3
103.5°	0.2	0.3	0.3	0.3	0.3	0.3
104°	0.2	0.3	0.3	0.3	0.3	0.3
104.5°	0.2	0.3	0.3	0.3	0.3	0.4
105°	0.2	0.3	0.3	0.3	0.3	0.4
105.5°	0.2	0.3	0.3	0.3	0.3	0.4
106°	0.2	0.3	0.3	0.3	0.3	0.4
106.5°	0.2	0.3	0.3	0.3	0.3	0.4
107°	0.2	0.4	0.3	0.3	0.4	0.4
107.5°	0.2	0.4	0.4	0.4	0.4	0.4
108°	0.3	0.4	0.4	0.4	0.4	0.4
108.5°	0.3	0.4	0.4	0.4	0.4	0.4
109°	0.3	0.4	0.4	0.4	0.4	0.4
109.5°	0.3	0.4	0.4	0.4	0.4	0.4
110°	0.3	0.4	0.4	0.4	0.4	0.4
110.5°	0.3	0.4	0.4	0.4	0.4	0.5
111°	0.3	0.4	0.4	0.4	0.4	0.5
111.5°	0.3	0.4	0.4	0.4	0.4	0.5
112°	0.3	0.4	0.4	0.4	0.4	0.5



TEST NUMBER: P640238

CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.3	0.4	0.4	0.4	0.4	0.5
113°	0.3	0.4	0.4	0.4	0.5	0.5
113.5°	0.3	0.5	0.4	0.5	0.5	0.5
114°	0.3	0.5	0.5	0.5	0.5	0.5
114.5°	0.4	0.5	0.5	0.5	0.5	0.5
115°	0.4	0.5	0.5	0.5	0.5	0.5
115.5°	0.4	0.5	0.5	0.5	0.5	0.5
116°	0.4	0.5	0.5	0.5	0.5	0.6
116.5°	0.4	0.5	0.5	0.5	0.5	0.6
117°	0.4	0.5	0.5	0.5	0.5	0.6
117.5°	0.4	0.5	0.5	0.5	0.5	0.6
118°	0.4	0.5	0.5	0.5	0.5	0.6
118.5°	0.4	0.6	0.5	0.5	0.6	0.6
119°	0.5	0.6	0.6	0.6	0.6	0.6
119.5°	0.5	0.6	0.6	0.6	0.6	0.6
120°	0.5	0.6	0.6	0.6	0.6	0.6
120.5°	0.5	0.6	0.6	0.6	0.6	0.6
121°	0.5	0.6	0.6	0.6	0.6	0.7
121.5°	0.5	0.6	0.6	0.6	0.6	0.7
122°	0.5	0.6	0.6	0.6	0.6	0.7
122.5°	0.5	0.6	0.6	0.6	0.6	0.7
123°	0.5	0.6	0.6	0.6	0.7	0.7
123.5°	0.6	0.7	0.6	0.6	0.7	0.7
124°	0.6	0.7	0.7	0.7	0.7	0.7
124.5°	0.6	0.7	0.7	0.7	0.7	0.7
125°	0.6	0.7	0.7	0.7	0.7	0.7
125.5°	0.6	0.7	0.7	0.7	0.7	0.8
126°	0.6	0.7	0.7	0.7	0.7	0.8
126.5°	0.6	0.7	0.7	0.7	0.7	0.8
127°	0.6	0.7	0.7	0.7	0.7	0.8
127.5°	0.6	0.7	0.7	0.7	0.8	0.8
128°	0.7	0.8	0.7	0.7	0.8	0.8
128.5°	0.7	0.8	0.8	0.8	0.8	0.8
129°	0.7	0.8	0.8	0.8	0.8	0.8
129.5°	0.7	0.8	0.8	0.8	0.8	0.8
130°	0.7	0.8	0.8	0.8	0.8	0.8
130.5°	0.7	0.8	0.8	0.8	0.8	0.8
131°	0.7	0.8	0.8	0.8	0.8	0.8
131.5°	0.7	0.8	0.8	0.8	0.8	0.9
132°	0.8	0.9	0.8	0.8	0.9	0.9
132.5°	0.8	0.9	0.8	0.9	0.9	0.9
133°	0.8	0.9	0.9	0.9	0.9	0.9
133.5°	0.8	0.9	0.9	0.9	0.9	0.9
134°	0.8	0.9	0.9	0.9	0.9	0.9
134.5°	0.8	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P640238
 CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.8	0.9	0.9	0.9	0.9	0.9
135.5°	0.9	0.9	0.9	0.9	0.9	0.9
136°	0.9	0.9	0.9	0.9	0.9	0.9
136.5°	0.9	0.9	0.9	0.9	0.9	1.0
137°	0.9	1.0	0.9	0.9	1.0	1.0
137.5°	0.9	1.0	1.0	1.0	1.0	1.0
138°	0.9	1.0	1.0	1.0	1.0	1.0
138.5°	0.9	1.0	1.0	1.0	1.0	1.0
139°	0.9	1.0	1.0	1.0	1.0	1.0
139.5°	1.0	1.0	1.0	1.0	1.0	1.0
140°	1.0	1.0	1.0	1.0	1.0	1.0
140.5°	1.0	1.0	1.0	1.0	1.0	1.0
141°	1.0	1.0	1.0	1.0	1.0	1.0
141.5°	1.0	1.0	1.0	1.0	1.0	1.0
142°	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.1
143°	1.1	1.0	1.0	1.0	1.0	1.1
143.5°	1.1	1.1	1.0	1.0	1.1	1.1
144°	1.1	1.1	1.1	1.1	1.1	1.1
144.5°	1.1	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	1.1
145.5°	1.1	1.1	1.1	1.1	1.1	1.1
146°	1.1	1.1	1.1	1.1	1.1	1.1
146.5°	1.1	1.1	1.1	1.1	1.1	1.1
147°	1.2	1.1	1.1	1.1	1.1	1.1
147.5°	1.2	1.1	1.1	1.1	1.1	1.1
148°	1.2	1.1	1.1	1.1	1.1	1.1
148.5°	1.2	1.1	1.1	1.1	1.1	1.2
149°	1.2	1.1	1.1	1.1	1.1	1.2
149.5°	1.2	1.1	1.1	1.1	1.2	1.2
150°	1.2	1.1	1.1	1.1	1.2	1.2
150.5°	1.2	1.1	1.1	1.2	1.2	1.2
151°	1.2	1.2	1.2	1.2	1.2	1.2
151.5°	1.3	1.2	1.2	1.2	1.2	1.2
152°	1.3	1.2	1.2	1.2	1.2	1.2
152.5°	1.3	1.2	1.2	1.2	1.2	1.2
153°	1.3	1.2	1.2	1.2	1.2	1.2
153.5°	1.3	1.2	1.2	1.2	1.2	1.2
154°	1.3	1.2	1.2	1.2	1.2	1.2
154.5°	1.3	1.2	1.2	1.2	1.2	1.2
155°	1.3	1.2	1.2	1.2	1.2	1.2
155.5°	1.4	1.2	1.2	1.2	1.2	1.2
156°	1.4	1.2	1.2	1.2	1.2	1.2
156.5°	1.4	1.2	1.2	1.2	1.2	1.2
157°	1.4	1.2	1.2	1.2	1.2	1.2



TEST NUMBER: P640238
 CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.4	1.2	1.2	1.2	1.2	1.2
158°	1.4	1.2	1.2	1.2	1.2	1.2
158.5°	1.4	1.2	1.2	1.2	1.2	1.2
159°	1.4	1.2	1.2	1.2	1.2	1.2
159.5°	1.4	1.2	1.2	1.2	1.2	1.3
160°	1.5	1.2	1.2	1.2	1.3	1.3
160.5°	1.5	1.2	1.2	1.2	1.3	1.3
161°	1.5	1.2	1.2	1.2	1.3	1.3
161.5°	1.5	1.2	1.2	1.2	1.3	1.3
162°	1.5	1.2	1.2	1.2	1.3	1.3
162.5°	1.5	1.2	1.2	1.2	1.3	1.3
163°	1.5	1.2	1.2	1.2	1.3	1.3
163.5°	1.5	1.2	1.2	1.2	1.3	1.3
164°	1.5	1.2	1.2	1.2	1.3	1.3
164.5°	1.5	1.2	1.2	1.2	1.3	1.3
165°	1.5	1.2	1.2	1.2	1.3	1.3
165.5°	1.5	1.2	1.2	1.3	1.3	1.3
166°	1.5	1.2	1.2	1.3	1.3	1.3
166.5°	1.5	1.2	1.2	1.3	1.3	1.3
167°	1.5	1.2	1.2	1.3	1.3	1.3
167.5°	1.5	1.2	1.2	1.3	1.3	1.3
168°	1.5	1.2	1.2	1.3	1.3	1.3
168.5°	1.5	1.2	1.2	1.3	1.3	1.3
169°	1.5	1.2	1.3	1.3	1.3	1.3
169.5°	1.5	1.2	1.3	1.3	1.3	1.3
170°	1.5	1.2	1.3	1.3	1.3	1.3
170.5°	1.5	1.3	1.3	1.3	1.3	1.3
171°	1.5	1.3	1.3	1.3	1.3	1.3
171.5°	1.5	1.3	1.3	1.3	1.3	1.3
172°	1.5	1.3	1.3	1.3	1.3	1.3
172.5°	1.5	1.3	1.3	1.3	1.3	1.3
173°	1.5	1.3	1.3	1.3	1.3	1.3
173.5°	1.5	1.3	1.3	1.3	1.3	1.3
174°	1.5	1.3	1.3	1.3	1.3	1.3
174.5°	1.5	1.3	1.3	1.3	1.3	1.3
175°	1.5	1.3	1.3	1.4	1.4	1.4
175.5°	1.5	1.4	1.4	1.4	1.4	1.4
176°	1.5	1.4	1.4	1.4	1.4	1.4
176.5°	1.5	1.4	1.4	1.4	1.4	1.4
177°	1.5	1.4	1.4	1.4	1.4	1.4
177.5°	1.5	1.4	1.4	1.4	1.4	1.4
178°	1.5	1.5	1.5	1.5	1.4	1.4
178.5°	1.5	1.5	1.5	1.5	1.5	1.5
179°	1.5	1.5	1.5	1.5	1.5	1.5
179.5°	1.5	1.5	1.5	1.5	1.5	1.5



TEST NUMBER: P640238
CATALOG NUMBER: LCR850RD9FSE040-50W-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)