

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: P640245

Luminaire Tested: LCR880RD9FSE040-92W-2700K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2208047E001)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: LCR880RD9FSE040-92W-2700K
Description: LCR 8
Light Source: 2700K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

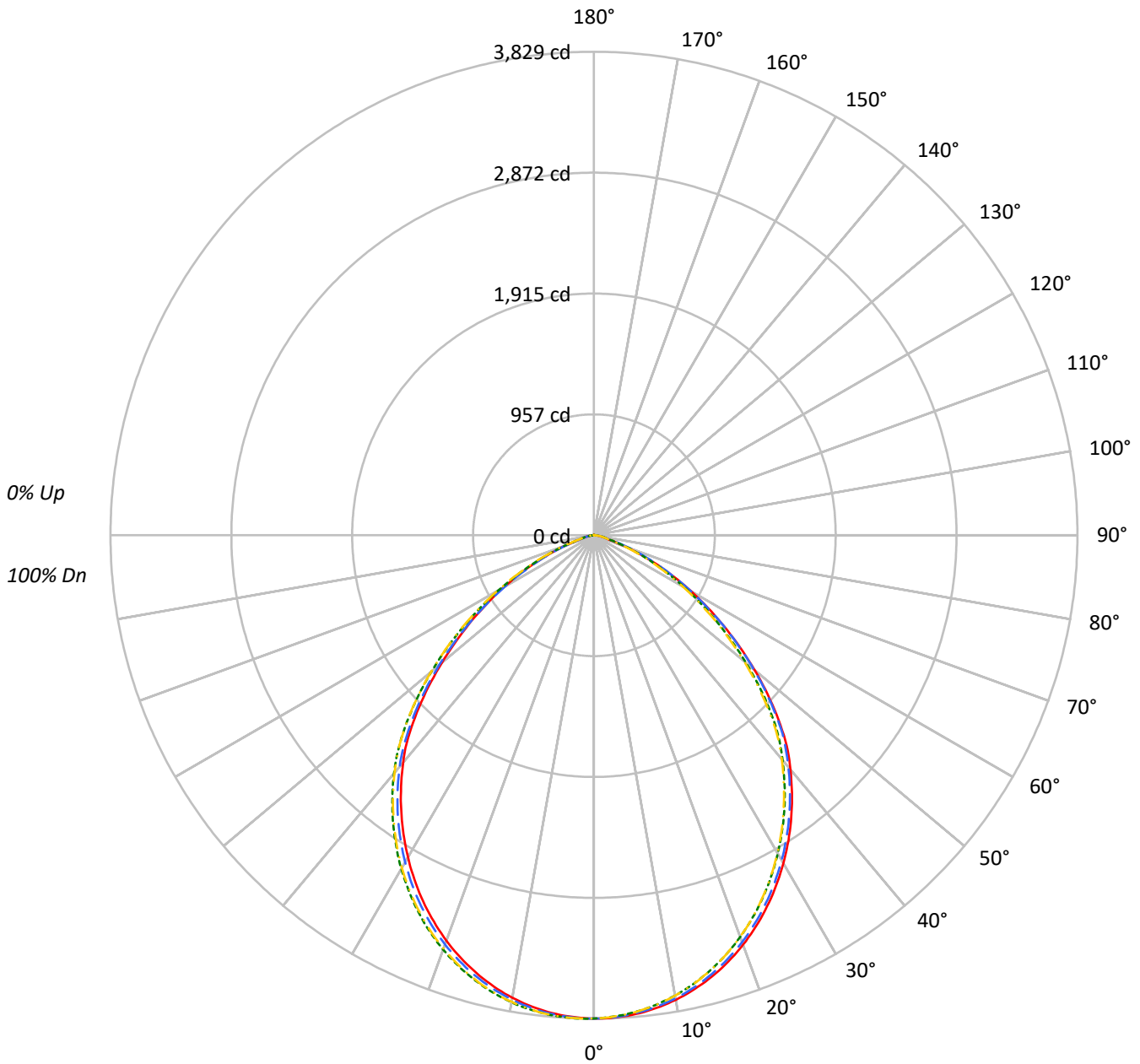
Lumens per Lamp: N/A
Luminaire Lumens: 7895.0 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.17 / 1.26
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 91.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P640245
CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



TEST NUMBER: P640245
 CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

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	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	90	86	82	87	84	80	84	81	79	77
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	36	32	31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	118029	118029	118029	118029
5°	117818	117288	117585	118139
10°	116972	115895	116462	117627
15°	115463	113838	114655	116450
20°	113275	111096	112123	114591
25°	110374	107700	108867	111997
30°	106824	103651	104880	108633
35°	102562	98993	100182	104410
40°	97427	93578	94625	99166
45°	90166	86237	86403	91400
50°	79673	75466	75490	80522
55°	67756	63503	63573	67901
60°	54870	50966	50874	53902
65°	40342	38183	36672	38679
70°	24866	25118	21801	23081
75°	12927	14488	11712	11938
80°	10637	12146	9696	10087
85°	8067	10897	6616	7678

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
 Vertical Angle: 45°
 Luminance: 91610 cd/sqm



TEST NUMBER: P640245
 CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.6	4.6
10°-20°	1015.4	12.9
20°-30°	1483.4	18.8
30°-40°	1683.9	21.3
40°-50°	1557.5	19.7
50°-60°	1093.0	13.8
60°-70°	530.1	6.7
70°-80°	136.4	1.7
80°-90°	28.4	0.4
90°-100°	0.4	0.0
100°-110°	0.5	0.0
110°-120°	0.7	0.0
120°-130°	0.9	0.0
130°-140°	1.1	0.0
140°-150°	1.1	0.0
150°-160°	0.9	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2859.4	36.2
0°-40°	4543.3	57.5
0°-60°	7193.8	91.1
0°-90°	7888.7	99.9
90°-120°	1.6	0.0
90°-150°	4.6	0.1
90°-180°	6.0	0.1
0°-180°	7895.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3828	3828	3828	3828	3828	
5°	3806	3789	3799	3817	3806	361
15°	3617	3566	3592	3648	3617	1019
25°	3244	3165	3200	3292	3244	1492
35°	2724	2630	2661	2774	2724	1701
45°	2068	1978	1981	2096	2068	1586
55°	1260	1181	1182	1263	1260	1128
65°	553	523	503	530	553	554
75°	108	122	98	100	108	137
85°	23	31	19	22	23	26
90°	2	0	0	0	2	1
95°	0	0	0	0	0	0
105°	1	0	0	0	1	1
115°	1	1	1	1	1	1
125°	1	1	1	1	1	1
135°	2	1	2	1	2	1
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3827.6	3827.6	3827.6	3827.6	3827.6	3827.6	3827.6	3827.6	3827.6	3827.6	3827.6
0.5°	3827.7	3827.5	3827.4	3826.7	3825.6	3825.8	3825.9	3826.5	3827.1	3828.1	3827.9
1°	3827.4	3826.6	3826.0	3825.3	3823.2	3823.6	3824.1	3824.9	3825.7	3827.2	3827.5
1.5°	3826.7	3824.9	3824.8	3823.1	3821.1	3821.1	3821.4	3822.7	3823.7	3826.1	3826.5
2°	3825.4	3822.9	3822.7	3821.1	3817.8	3818.1	3819.0	3819.8	3821.8	3824.5	3825.2
2.5°	3823.5	3820.2	3820.0	3817.7	3813.8	3814.3	3814.9	3816.6	3819.2	3822.3	3823.2
3°	3820.7	3817.6	3817.3	3814.1	3810.2	3810.4	3811.0	3812.9	3816.3	3819.8	3820.7
3.5°	3818.1	3813.8	3814.0	3810.2	3806.1	3805.5	3806.3	3808.7	3812.5	3816.9	3817.9
4°	3814.7	3810.0	3809.8	3805.8	3800.8	3800.3	3801.2	3804.1	3808.3	3813.5	3814.3
4.5°	3810.6	3805.7	3805.2	3800.8	3795.0	3794.7	3795.9	3799.1	3803.8	3809.2	3810.5
5°	3806.2	3800.5	3800.2	3795.6	3789.1	3788.3	3790.3	3793.3	3798.7	3804.6	3805.9
5.5°	3801.4	3795.2	3794.6	3789.4	3782.3	3781.7	3783.1	3787.0	3793.1	3799.7	3801.2
6°	3796.2	3789.4	3788.7	3782.6	3775.1	3774.6	3776.2	3780.2	3786.9	3794.0	3795.9
6.5°	3790.3	3782.6	3782.2	3776.1	3767.8	3766.9	3768.5	3773.4	3779.9	3787.9	3790.1
7°	3784.0	3776.2	3775.2	3769.0	3759.7	3758.7	3760.8	3765.5	3773.1	3781.5	3783.3
7.5°	3777.4	3768.7	3767.7	3761.2	3751.6	3749.9	3752.3	3757.4	3765.1	3774.7	3776.1
8°	3770.3	3761.2	3759.6	3752.7	3742.2	3741.0	3743.3	3749.1	3756.9	3767.2	3768.8
8.5°	3762.4	3752.3	3751.9	3743.6	3732.2	3732.0	3734.0	3739.5	3748.4	3758.9	3761.3
9°	3754.0	3744.0	3742.7	3733.9	3722.6	3721.8	3723.8	3730.0	3739.4	3750.4	3753.0
9.5°	3745.0	3734.5	3733.4	3724.2	3712.1	3711.3	3713.5	3719.2	3729.4	3741.6	3743.8
10°	3735.7	3724.9	3723.0	3714.4	3701.3	3700.1	3702.2	3708.8	3719.4	3731.7	3735.0
10.5°	3726.1	3714.1	3713.2	3703.7	3689.8	3688.6	3690.8	3698.0	3708.3	3722.0	3725.1
11°	3715.8	3703.6	3702.1	3692.3	3677.7	3676.3	3678.9	3686.1	3697.8	3711.4	3714.8
11.5°	3705.1	3692.2	3691.1	3680.5	3665.6	3663.9	3666.7	3673.9	3685.7	3700.4	3704.0
12°	3693.7	3680.9	3679.3	3668.4	3653.0	3651.0	3654.0	3661.3	3673.7	3689.1	3692.3
12.5°	3682.5	3668.1	3667.2	3655.6	3639.9	3637.8	3640.6	3648.4	3661.1	3677.2	3680.9
13°	3670.2	3655.7	3654.5	3642.4	3625.9	3624.0	3627.2	3635.0	3648.3	3665.1	3668.5
13.5°	3657.2	3642.7	3641.5	3629.0	3611.4	3609.6	3612.1	3621.0	3634.5	3651.8	3655.8
14°	3644.3	3629.2	3628.1	3614.8	3596.6	3594.2	3597.5	3606.3	3620.5	3638.7	3642.7
14.5°	3630.7	3615.4	3613.6	3600.5	3581.7	3579.1	3582.0	3590.8	3606.1	3624.8	3629.0
15°	3616.8	3601.1	3599.1	3585.7	3565.9	3563.0	3566.1	3575.5	3591.5	3609.7	3615.3
15.5°	3602.0	3585.6	3584.0	3569.7	3549.6	3547.0	3550.0	3559.5	3575.6	3595.3	3600.6
16°	3587.5	3570.3	3568.7	3554.2	3533.3	3530.8	3533.3	3543.4	3559.9	3580.0	3585.4
16.5°	3571.6	3554.8	3552.9	3537.2	3516.4	3513.2	3516.3	3526.6	3543.7	3564.3	3569.8
17°	3556.1	3538.5	3536.6	3520.9	3499.3	3496.0	3499.1	3509.4	3526.8	3548.2	3553.9
17.5°	3539.5	3521.7	3519.6	3504.0	3481.4	3477.7	3481.1	3491.3	3509.4	3531.0	3537.9
18°	3522.9	3504.3	3502.3	3486.3	3462.7	3459.6	3462.6	3473.1	3491.3	3513.8	3520.4
18.5°	3505.6	3486.4	3484.7	3468.2	3444.2	3440.8	3443.6	3454.3	3473.6	3496.2	3503.3
19°	3488.3	3468.7	3466.5	3449.1	3425.1	3421.6	3424.0	3435.9	3455.3	3478.7	3485.4
19.5°	3470.2	3450.5	3448.5	3430.5	3405.4	3402.0	3405.2	3416.2	3435.5	3460.3	3467.6
20°	3451.9	3431.8	3429.4	3411.4	3385.5	3381.7	3384.7	3396.0	3416.8	3441.1	3448.5
20.5°	3433.1	3412.2	3410.1	3391.7	3365.6	3361.1	3364.2	3375.8	3396.4	3421.9	3429.5
21°	3413.3	3392.5	3390.5	3371.6	3344.9	3340.4	3343.1	3355.1	3376.6	3402.5	3410.2
21.5°	3393.7	3373.0	3370.3	3350.6	3323.8	3319.2	3322.1	3333.8	3355.1	3381.4	3390.3
22°	3373.6	3352.2	3349.4	3330.2	3301.8	3297.5	3300.9	3312.1	3334.4	3361.2	3369.4



TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	3353.1	3331.4	3328.7	3308.7	3280.0	3275.5	3278.3	3290.3	3312.4	3340.4	3349.1
23°	3332.2	3310.4	3307.7	3287.2	3258.2	3253.3	3255.8	3268.3	3291.3	3319.8	3327.4
23.5°	3310.8	3288.2	3286.4	3264.7	3235.9	3230.5	3233.0	3245.5	3268.4	3297.1	3305.9
24°	3289.1	3266.0	3264.4	3242.4	3212.7	3207.6	3210.1	3222.4	3245.7	3274.7	3283.8
24.5°	3266.6	3243.7	3241.9	3219.9	3188.9	3184.0	3186.6	3199.2	3222.7	3252.2	3261.6
25°	3244.0	3221.1	3218.7	3196.7	3165.4	3160.1	3162.6	3175.1	3199.7	3229.4	3238.5
25.5°	3221.5	3197.8	3195.7	3172.7	3141.3	3136.1	3138.6	3151.0	3175.6	3206.3	3215.7
26°	3198.5	3174.4	3172.2	3149.2	3117.6	3111.6	3114.1	3127.0	3151.2	3182.2	3192.0
26.5°	3174.8	3151.0	3148.0	3125.4	3092.6	3086.9	3089.0	3101.9	3126.9	3158.3	3168.3
27°	3150.7	3126.8	3124.2	3100.8	3067.1	3061.6	3063.6	3076.8	3102.3	3133.8	3143.7
27.5°	3126.0	3102.4	3099.7	3075.4	3042.0	3036.2	3038.0	3051.6	3076.6	3109.4	3119.2
28°	3101.6	3077.2	3075.0	3051.1	3016.4	3010.7	3012.0	3025.6	3050.8	3083.9	3093.9
28.5°	3076.8	3051.9	3049.5	3025.0	2990.7	2984.0	2985.9	2999.1	3025.0	3057.7	3068.2
29°	3051.4	3026.6	3024.4	2999.6	2963.9	2957.7	2959.6	2972.9	2999.2	3032.1	3042.2
29.5°	3026.0	3001.0	2999.1	2973.6	2938.1	2931.1	2932.7	2946.4	2972.5	3006.2	3016.0
30°	3000.1	2974.7	2972.3	2947.2	2911.0	2904.1	2905.7	2919.3	2945.5	2979.4	2989.8
30.5°	2974.2	2948.6	2946.3	2920.7	2884.0	2876.9	2878.5	2891.9	2918.3	2952.5	2963.1
31°	2947.8	2921.8	2919.8	2893.7	2857.0	2849.4	2851.0	2864.2	2890.8	2925.4	2935.6
31.5°	2920.4	2894.7	2892.6	2866.8	2829.1	2821.5	2822.9	2836.5	2862.8	2898.0	2908.2
32°	2893.2	2867.0	2865.4	2839.1	2802.3	2793.7	2794.6	2808.4	2835.0	2870.4	2880.6
32.5°	2866.3	2840.3	2838.6	2811.5	2773.5	2765.8	2766.7	2780.5	2807.3	2842.7	2852.8
33°	2837.9	2812.1	2810.2	2784.1	2745.3	2737.2	2738.1	2751.3	2779.0	2813.7	2824.1
33.5°	2810.7	2784.1	2782.5	2755.8	2716.8	2708.6	2709.9	2722.2	2750.1	2785.3	2795.2
34°	2782.3	2755.5	2754.3	2727.6	2687.7	2679.9	2680.2	2693.3	2720.8	2756.3	2766.0
34.5°	2753.3	2727.1	2726.0	2699.0	2659.4	2650.9	2651.1	2663.7	2690.9	2727.0	2736.7
35°	2724.5	2698.6	2697.0	2670.4	2629.7	2620.9	2621.2	2634.1	2661.3	2697.9	2707.4
35.5°	2695.6	2669.2	2667.9	2640.3	2600.9	2591.1	2592.0	2604.2	2631.6	2667.5	2677.4
36°	2666.5	2640.0	2638.6	2611.5	2570.9	2561.7	2561.5	2574.3	2601.8	2637.4	2646.9
36.5°	2636.4	2610.4	2609.1	2581.6	2541.0	2531.7	2531.1	2544.0	2571.3	2606.9	2615.9
37°	2606.0	2580.4	2579.5	2552.1	2510.4	2500.9	2500.6	2512.9	2539.9	2576.1	2585.1
37.5°	2576.0	2550.2	2548.9	2521.6	2480.4	2470.6	2469.9	2482.4	2509.3	2545.9	2553.9
38°	2545.4	2518.8	2518.5	2491.0	2449.0	2439.2	2438.4	2451.0	2478.0	2513.7	2522.8
38.5°	2514.8	2488.2	2487.9	2460.2	2418.6	2409.4	2408.4	2419.4	2446.7	2482.4	2490.4
39°	2483.5	2457.9	2457.3	2429.5	2387.2	2377.4	2376.5	2388.1	2415.4	2450.9	2458.7
39.5°	2452.0	2426.6	2426.8	2399.1	2356.9	2346.3	2344.9	2356.3	2383.0	2419.6	2426.6
40°	2420.3	2395.0	2395.2	2367.7	2324.7	2314.6	2312.7	2324.7	2350.7	2386.9	2393.9
40.5°	2388.9	2363.0	2363.5	2335.4	2293.4	2283.6	2281.5	2292.0	2318.8	2354.0	2360.7
41°	2357.4	2331.6	2332.1	2304.4	2261.8	2252.0	2249.3	2259.5	2285.9	2320.3	2325.7
41.5°	2324.4	2299.7	2300.7	2272.7	2230.1	2219.7	2217.1	2227.3	2252.5	2286.3	2288.8
42°	2291.9	2267.2	2268.9	2240.9	2197.5	2187.3	2183.5	2192.1	2215.0	2248.7	2251.6
42.5°	2257.6	2234.6	2236.0	2208.6	2164.7	2153.6	2148.3	2155.5	2178.0	2211.4	2213.2
43°	2221.5	2198.1	2203.2	2175.1	2129.4	2117.4	2111.3	2118.0	2139.6	2173.3	2174.4
43.5°	2184.5	2160.7	2168.9	2140.7	2092.6	2080.8	2074.0	2079.4	2102.6	2134.3	2134.2
44°	2145.6	2122.9	2131.3	2103.5	2054.9	2041.3	2033.6	2039.3	2060.8	2093.8	2094.8
44.5°	2107.0	2084.4	2092.4	2066.1	2016.6	2002.9	1994.8	1999.5	2021.8	2055.3	2054.8



TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	2067.6	2044.3	2054.0	2027.0	1977.5	1964.1	1954.2	1959.5	1981.3	2014.3	2014.4
45.5°	2028.5	2004.8	2014.9	1989.2	1938.3	1924.0	1913.9	1919.5	1941.8	1974.2	1973.7
46°	1988.4	1964.0	1974.1	1948.7	1898.5	1883.5	1873.9	1878.5	1900.4	1933.1	1932.9
46.5°	1947.2	1924.7	1936.2	1908.4	1858.5	1842.4	1833.7	1837.9	1859.7	1892.9	1891.1
47°	1906.8	1884.4	1894.9	1867.9	1817.9	1802.3	1793.1	1797.1	1819.0	1851.2	1850.6
47.5°	1865.9	1843.0	1854.7	1827.6	1776.6	1761.8	1752.3	1756.4	1778.1	1809.6	1808.5
48°	1825.5	1802.3	1814.4	1786.6	1736.6	1720.2	1711.6	1715.5	1736.3	1767.9	1766.9
48.5°	1784.4	1761.2	1774.0	1747.0	1696.1	1680.4	1671.8	1675.3	1695.7	1728.2	1725.3
49°	1743.4	1721.3	1732.7	1705.4	1655.0	1639.8	1631.2	1635.2	1654.5	1686.3	1683.0
49.5°	1701.9	1681.1	1692.0	1665.1	1614.1	1599.5	1590.4	1595.1	1613.7	1644.9	1641.7
50°	1660.8	1639.4	1651.5	1623.8	1573.1	1559.4	1550.3	1554.8	1573.6	1603.8	1599.6
50.5°	1619.9	1597.9	1611.2	1584.1	1532.5	1518.1	1510.4	1513.9	1533.4	1562.6	1558.5
51°	1579.4	1558.6	1570.4	1542.6	1492.3	1479.5	1471.0	1474.6	1493.3	1521.3	1517.2
51.5°	1538.3	1517.6	1530.6	1502.7	1452.3	1438.8	1431.5	1435.5	1453.2	1480.9	1476.4
52°	1498.4	1478.7	1489.0	1462.2	1412.5	1399.7	1391.9	1396.7	1413.5	1440.9	1434.1
52.5°	1458.3	1438.3	1450.1	1423.1	1372.6	1359.8	1352.6	1357.4	1374.0	1400.6	1393.7
53°	1418.1	1398.4	1410.3	1383.6	1333.8	1320.5	1314.5	1318.5	1335.4	1360.5	1353.3
53.5°	1377.7	1358.3	1370.7	1343.9	1295.6	1282.2	1275.9	1280.0	1296.7	1320.8	1311.9
54°	1337.6	1319.8	1331.3	1304.2	1256.9	1243.9	1237.2	1242.6	1257.7	1280.9	1272.3
54.5°	1298.3	1280.7	1291.4	1266.0	1218.0	1206.1	1199.2	1204.7	1219.7	1241.9	1232.1
55°	1260.3	1242.5	1253.6	1228.2	1181.2	1168.2	1162.9	1168.0	1182.5	1203.5	1192.3
55.5°	1221.0	1204.0	1215.2	1190.3	1143.6	1130.5	1124.6	1130.0	1144.7	1164.0	1152.9
56°	1183.4	1166.2	1177.0	1151.5	1107.0	1094.6	1088.4	1093.4	1107.9	1126.0	1113.1
56.5°	1145.0	1128.6	1139.6	1114.3	1069.8	1057.2	1051.5	1057.0	1070.6	1088.1	1074.7
57°	1107.3	1091.7	1101.5	1078.2	1034.4	1021.8	1016.4	1021.5	1034.2	1050.9	1036.7
57.5°	1069.2	1053.8	1064.3	1041.3	997.8	985.1	980.0	985.8	998.5	1014.1	998.6
58°	1033.4	1017.3	1027.9	1005.3	963.0	951.7	945.5	950.0	963.4	977.0	961.4
58.5°	997.0	981.3	992.2	969.6	929.0	916.3	911.4	915.8	928.1	941.1	923.4
59°	960.2	945.5	956.2	934.0	894.2	882.3	876.6	882.4	893.4	906.2	886.7
59.5°	924.5	910.1	920.9	899.7	860.2	848.4	842.3	848.0	858.9	870.3	850.7
60°	889.7	875.2	885.7	865.7	826.4	815.7	809.1	813.8	824.9	835.5	815.4
60.5°	854.6	840.3	851.6	832.2	794.2	782.0	777.1	781.1	791.9	801.0	780.4
61°	820.1	806.4	817.5	798.2	762.4	751.2	745.9	749.9	760.1	767.9	747.1
61.5°	785.9	773.2	784.0	765.4	731.2	720.5	714.7	718.7	727.4	735.1	713.8
62°	752.3	740.0	750.9	733.8	700.0	689.8	683.5	687.6	694.7	702.3	680.4
62.5°	719.4	706.9	718.3	701.5	668.8	659.1	652.4	656.4	662.1	669.5	647.1
63°	686.0	674.9	686.7	670.8	637.6	628.4	621.2	625.2	629.5	636.8	613.8
63.5°	652.5	643.4	655.3	640.2	609.5	598.5	592.2	594.7	597.2	605.7	581.4
64°	618.3	612.1	624.5	610.2	579.7	569.7	563.0	565.2	564.5	574.8	550.0
64.5°	585.5	580.8	593.6	580.2	551.3	541.0	534.3	536.1	532.8	543.1	520.9
65°	552.9	550.7	564.4	552.3	523.3	514.4	506.6	507.8	502.6	512.7	489.8
65.5°	521.0	520.6	535.6	523.7	495.9	486.3	478.9	478.4	472.1	482.0	460.2
66°	489.2	490.9	507.1	495.9	468.7	459.7	452.7	450.2	442.9	452.9	431.6
66.5°	458.4	462.1	478.7	468.9	442.3	433.4	425.9	422.6	414.8	423.6	405.1
67°	429.2	433.8	452.4	442.9	417.0	409.0	400.7	395.8	388.0	396.3	377.3



TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	401.2	406.1	425.6	416.6	392.1	383.7	376.6	369.1	361.2	369.0	351.0
68°	373.9	379.8	400.0	391.9	367.9	359.8	352.2	343.8	335.4	343.5	326.0
68.5°	346.8	354.3	374.9	367.6	344.7	336.9	329.6	319.7	310.9	318.4	302.2
69°	324.5	328.8	350.8	344.0	321.7	314.5	307.1	296.8	287.1	294.6	277.9
69.5°	300.2	306.2	326.9	326.4	299.7	292.8	285.3	274.6	263.7	271.5	255.7
70°	275.8	283.8	305.4	304.1	278.6	271.8	265.2	253.4	241.8	249.5	234.0
70.5°	251.5	261.4	283.9	281.7	258.6	252.0	244.9	233.5	221.3	228.1	214.0
71°	227.1	238.9	262.5	259.4	239.3	233.3	226.4	214.8	201.9	208.5	194.5
71.5°	207.1	219.5	241.0	237.0	220.4	215.0	208.1	196.9	183.1	189.9	177.0
72°	188.5	200.9	222.3	218.3	202.9	197.8	191.3	180.2	166.0	172.5	160.3
72.5°	170.9	183.7	204.5	201.1	186.4	181.6	175.4	164.7	150.2	156.3	145.4
73°	154.7	167.8	187.8	184.7	171.0	166.4	160.4	150.1	135.5	141.9	131.5
73.5°	139.3	153.2	171.6	169.0	156.9	152.6	146.8	137.1	123.7	129.0	119.9
74°	126.7	140.0	157.5	155.0	143.7	140.0	134.5	125.4	114.4	117.8	109.5
74.5°	117.5	128.7	144.0	142.5	132.0	128.5	123.0	115.0	105.3	107.9	101.0
75°	108.5	117.8	132.0	130.9	121.6	118.2	113.1	106.0	98.3	99.6	94.9
75.5°	101.1	108.8	121.3	120.7	112.6	109.3	104.6	98.2	93.3	93.3	90.3
76°	95.7	100.6	112.0	111.7	104.9	101.9	97.8	92.4	88.7	88.4	85.7
76.5°	90.9	94.6	103.8	103.8	98.8	96.3	93.0	87.7	84.3	84.0	81.5
77°	86.0	89.7	97.5	97.9	93.9	91.9	88.5	83.3	79.9	79.6	77.2
77.5°	81.7	85.0	92.8	93.3	89.6	87.6	84.3	79.0	75.5	75.2	72.9
78°	77.2	80.5	88.4	89.0	85.3	83.4	80.1	74.6	71.1	70.8	68.6
78.5°	72.7	76.0	84.0	84.5	81.0	79.2	75.9	70.2	66.7	66.4	64.6
79°	68.3	71.5	79.6	80.3	76.8	75.1	71.7	65.8	62.6	62.3	60.6
79.5°	64.1	67.3	75.2	76.1	72.6	70.9	67.5	61.7	58.6	58.3	56.7
80°	59.9	62.9	71.0	71.9	68.4	66.8	63.5	57.6	54.6	54.3	52.9
80.5°	55.9	58.9	66.9	67.8	64.4	62.8	59.5	53.6	50.8	50.4	49.1
81°	51.8	54.8	62.9	63.8	60.4	58.9	55.6	49.8	47.0	46.5	45.3
81.5°	47.8	50.8	58.9	59.8	56.4	55.0	51.6	46.0	43.1	42.8	41.7
82°	44.0	46.8	54.8	55.8	52.7	51.2	47.8	42.1	39.4	39.0	38.2
82.5°	40.2	42.9	50.9	52.0	48.9	47.5	44.1	38.5	35.8	35.3	34.7
83°	36.5	39.0	47.1	48.3	45.2	43.8	40.4	34.7	32.2	31.7	31.3
83.5°	32.7	35.3	43.3	44.5	41.5	40.2	36.8	31.2	28.6	28.2	27.9
84°	29.4	32.1	39.6	40.8	37.8	36.6	33.2	27.6	25.2	24.7	24.8
84.5°	26.1	28.7	36.0	37.2	34.3	33.1	29.7	24.4	21.9	21.8	21.6
85°	22.8	25.3	32.3	33.7	30.8	29.5	26.4	21.1	18.7	18.9	18.5
85.5°	19.5	21.9	29.1	30.3	27.3	26.2	23.1	18.1	16.0	15.8	15.5
86°	16.2	18.5	25.8	26.9	24.0	22.8	19.9	15.2	13.1	13.0	12.7
86.5°	13.4	15.4	22.5	23.6	20.7	19.5	16.8	12.8	10.9	10.7	9.9
87°	10.7	12.7	19.3	20.2	17.4	16.2	13.9	10.4	8.7	8.4	7.0
87.5°	8.4	10.2	16.2	16.8	14.3	13.2	11.0	8.0	6.4	6.0	4.2
88°	6.3	7.8	13.1	13.5	11.2	10.2	8.1	5.6	4.2	3.7	1.4
88.5°	4.1	5.5	10.1	10.4	8.1	7.3	5.3	3.1	2.0	1.5	0.3
89°	3.4	3.2	7.1	7.3	5.0	4.3	2.4	1.2	0.6	0.5	0.3
89.5°	2.6	2.5	4.2	4.3	2.0	1.3	0.6	0.5	0.5	0.4	0.3



TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.9	1.8	3.4	3.4	0.4	0.3	0.4	0.5	0.4	0.4	0.3
90.5°	1.1	1.2	2.6	2.7	0.3	0.3	0.4	0.5	0.3	0.4	0.3
91°	0.3	0.5	1.9	1.9	0.3	0.3	0.4	0.5	0.3	0.4	0.3
91.5°	0.3	0.4	1.1	1.1	0.3	0.3	0.4	0.5	0.3	0.4	0.3
92°	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.5	0.3	0.4	0.3
92.5°	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3
93°	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
93.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
94°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
94.5°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
95°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
95.5°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
96°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
96.5°	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
97°	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
97.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
98°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
98.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3
99°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3
99.5°	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3
100°	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3
100.5°	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3
101°	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3
101.5°	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3
102°	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.3
102.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
103°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
103.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
104°	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
104.5°	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
105°	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
105.5°	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
106°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
106.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
107°	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
107.5°	0.6	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.5	0.4	0.4
108°	0.7	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.5	0.5	0.4
108.5°	0.7	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.5	0.5	0.4
109°	0.7	0.6	0.6	0.6	0.4	0.4	0.4	0.5	0.5	0.5	0.4
109.5°	0.7	0.6	0.6	0.6	0.4	0.4	0.4	0.5	0.5	0.5	0.4
110°	0.7	0.7	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.5	0.4
110.5°	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
111°	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
111.5°	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.6	0.5	0.5
112°	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.6	0.5	0.5



TEST NUMBER: P640245
 CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.6	0.6	0.5
113°	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.6	0.6	0.6	0.5
113.5°	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.6	0.6	0.6	0.5
114°	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
114.5°	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
115°	0.8	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
115.5°	0.9	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.7	0.7	0.6
116°	0.9	0.8	0.8	0.8	0.6	0.6	0.6	0.7	0.7	0.7	0.6
116.5°	0.9	0.9	0.8	0.8	0.6	0.6	0.6	0.7	0.7	0.7	0.6
117°	0.9	0.9	0.8	0.8	0.7	0.6	0.7	0.7	0.7	0.7	0.7
117.5°	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.7	0.7
118°	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.7
118.5°	1.0	0.9	0.9	0.9	0.7	0.7	0.7	0.7	0.8	0.8	0.7
119°	1.0	0.9	0.9	0.9	0.7	0.7	0.7	0.8	0.8	0.8	0.7
119.5°	1.0	1.0	0.9	0.9	0.7	0.7	0.7	0.8	0.8	0.8	0.7
120°	1.0	1.0	0.9	0.9	0.8	0.7	0.8	0.8	0.9	0.8	0.8
120.5°	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8
121°	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8
121.5°	1.1	1.0	1.0	1.0	0.8	0.8	0.8	0.8	0.9	0.9	0.8
122°	1.1	1.0	1.0	1.0	0.8	0.8	0.8	0.9	0.9	0.9	0.8
122.5°	1.1	1.1	1.0	1.0	0.8	0.8	0.9	0.9	1.0	0.9	0.9
123°	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.9	1.0	0.9	0.9
123.5°	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9
124°	1.2	1.1	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9
124.5°	1.2	1.1	1.1	1.1	0.9	0.9	0.9	1.0	1.0	1.0	0.9
125°	1.2	1.2	1.1	1.1	0.9	0.9	0.9	1.0	1.1	1.0	0.9
125.5°	1.2	1.2	1.1	1.1	1.0	0.9	1.0	1.0	1.1	1.0	1.0
126°	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.0
126.5°	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.0
127°	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.0
127.5°	1.3	1.3	1.2	1.2	1.0	1.0	1.0	1.1	1.2	1.1	1.0
128°	1.3	1.3	1.2	1.2	1.0	1.0	1.1	1.1	1.2	1.1	1.1
128.5°	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1
129°	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1
129.5°	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.1
130°	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.2	1.3	1.2	1.1
130.5°	1.4	1.4	1.3	1.3	1.1	1.1	1.2	1.2	1.3	1.2	1.1
131°	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2
131.5°	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2
132°	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.2
132.5°	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.2
133°	1.5	1.4	1.3	1.4	1.2	1.2	1.3	1.3	1.4	1.3	1.2
133.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.4	1.4	1.2
134°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.4	1.4	1.3
134.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.4	1.4	1.4	1.3



TEST NUMBER: P640245
 CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.4	1.5	1.4	1.3
135.5°	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.4	1.5	1.4	1.3
136°	1.6	1.5	1.4	1.5	1.4	1.3	1.4	1.4	1.5	1.5	1.3
136.5°	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.4
137°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.4
137.5°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.5	1.5	1.5	1.4
138°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.5	1.6	1.5	1.4
138.5°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.5	1.6	1.5	1.4
139°	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.5
139.5°	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.5
140°	1.7	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.5
140.5°	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.7	1.6	1.5
141°	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.7	1.6	1.5
141.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6
142°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6
142.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6	1.6
143°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.6	1.6
143.5°	1.7	1.6	1.6	1.6	1.7	1.6	1.7	1.7	1.8	1.7	1.7
144°	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.7	1.7
144.5°	1.7	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.7	1.7
145°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7
145.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7
146°	1.7	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.8	1.8	1.8
146.5°	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147°	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
148°	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.8	1.8
148.5°	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.9
149°	1.8	1.8	1.8	1.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9
149.5°	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150.5°	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
151°	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.9
151.5°	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.0	2.0
152°	1.8	1.8	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	1.8	1.8	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
153°	1.9	1.9	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
153.5°	1.9	1.9	1.8	1.8	2.0	2.0	2.0	2.0	2.1	2.0	2.0
154°	1.9	1.9	1.8	1.8	2.0	2.0	2.0	2.1	2.1	2.1	2.1
154.5°	1.9	1.9	1.8	1.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1
155°	1.9	1.9	1.8	1.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1
155.5°	1.9	1.9	1.9	1.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1
156°	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1
156.5°	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.2	2.2	2.1	2.1
157°	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.2	2.2	2.2	2.2



TEST NUMBER: P640245
 CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.9	1.9	1.9	1.9	2.1	2.2	2.2	2.2	2.2	2.2	2.2
158°	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
158.5°	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
159°	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
159.5°	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.2	2.3	2.2	2.2
160°	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.2	2.3	2.3	2.2
160.5°	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.3	2.3	2.3	2.3
161°	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.3	2.3	2.3	2.3
161.5°	1.9	1.9	1.9	1.9	2.2	2.2	2.3	2.3	2.3	2.3	2.3
162°	1.9	1.9	1.9	1.9	2.2	2.3	2.3	2.3	2.3	2.3	2.3
162.5°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
163°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
163.5°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
164°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
164.5°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
165°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
165.5°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
166°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
166.5°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
167°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
167.5°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
168°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
168.5°	2.0	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
169°	2.0	2.0	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
169.5°	2.0	2.0	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
170°	2.0	2.0	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
170.5°	2.0	2.0	2.0	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
171°	2.0	2.0	2.0	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3
171.5°	2.0	2.0	2.0	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
172°	2.0	2.0	2.0	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
172.5°	2.0	2.0	2.0	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
173°	2.0	2.0	2.0	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
173.5°	2.1	2.0	2.0	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
174°	2.1	2.1	2.0	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
174.5°	2.1	2.1	2.0	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
175°	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
175.5°	2.1	2.1	2.1	2.1	2.4	2.4	2.3	2.3	2.3	2.3	2.3
176°	2.1	2.1	2.1	2.1	2.4	2.4	2.4	2.4	2.4	2.3	2.3
176.5°	2.1	2.1	2.1	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.3
177°	2.1	2.1	2.1	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.3
177.5°	2.2	2.2	2.1	2.1	2.4	2.4	2.4	2.4	2.4	2.3	2.3
178°	2.2	2.2	2.2	2.2	2.4	2.4	2.3	2.4	2.3	2.3	2.3
178.5°	2.2	2.2	2.2	2.2	2.3	2.4	2.3	2.3	2.3	2.3	2.3
179°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
179.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P640245
CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3

TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3827.6	3827.6	3827.6	3827.6	3827.6	3827.6
0.5°	3828.2	3828.8	3828.8	3828.6	3828.2	3827.7
1°	3828.1	3829.2	3829.6	3829.1	3828.3	3827.4
1.5°	3827.8	3829.4	3829.7	3829.0	3828.0	3826.7
2°	3826.8	3829.0	3829.4	3828.5	3827.4	3825.4
2.5°	3825.3	3828.2	3828.4	3827.8	3826.0	3823.5
3°	3823.4	3826.8	3826.8	3826.2	3824.4	3820.7
3.5°	3820.9	3824.8	3825.0	3824.1	3821.7	3818.1
4°	3817.6	3822.7	3822.5	3821.7	3818.9	3814.7
4.5°	3814.4	3820.0	3819.6	3818.4	3815.6	3810.6
5°	3810.6	3816.6	3816.5	3815.3	3811.6	3806.2
5.5°	3806.0	3812.9	3813.0	3811.3	3807.0	3801.4
6°	3800.9	3808.5	3808.6	3806.8	3802.2	3796.2
6.5°	3795.3	3803.8	3803.9	3801.9	3796.8	3790.3
7°	3789.7	3798.4	3798.6	3796.4	3791.1	3784.0
7.5°	3783.0	3792.4	3793.0	3790.3	3785.1	3777.4
8°	3776.3	3786.3	3786.9	3784.0	3778.2	3770.3
8.5°	3769.2	3779.5	3779.8	3776.8	3770.7	3762.4
9°	3761.2	3772.5	3772.3	3769.5	3762.6	3754.0
9.5°	3753.0	3764.8	3764.4	3761.2	3754.5	3745.0
10°	3744.2	3756.6	3756.5	3752.9	3745.8	3735.7
10.5°	3735.0	3747.6	3747.4	3744.4	3736.3	3726.1
11°	3725.2	3738.3	3738.5	3734.7	3727.0	3715.8
11.5°	3715.0	3728.7	3728.6	3725.2	3716.6	3705.1
12°	3704.2	3718.5	3718.6	3714.9	3705.9	3693.7
12.5°	3693.0	3708.0	3707.1	3703.9	3694.7	3682.5
13°	3681.3	3696.8	3696.3	3692.6	3683.0	3670.2
13.5°	3669.4	3685.1	3684.3	3680.9	3670.7	3657.2
14°	3656.4	3673.5	3672.5	3668.4	3658.1	3644.3
14.5°	3643.9	3660.7	3659.4	3655.7	3644.5	3630.7
15°	3629.6	3647.7	3647.1	3642.4	3631.5	3616.8
15.5°	3615.8	3633.3	3633.2	3628.7	3616.8	3602.0
16°	3601.0	3620.2	3619.1	3614.4	3602.3	3587.5
16.5°	3586.2	3605.7	3605.1	3599.4	3587.3	3571.6
17°	3570.7	3590.7	3590.3	3584.3	3572.3	3556.1
17.5°	3555.4	3574.8	3575.1	3569.1	3556.0	3539.5
18°	3538.2	3559.8	3559.2	3553.1	3539.8	3522.9
18.5°	3521.1	3543.3	3542.7	3536.3	3522.9	3505.6
19°	3504.3	3526.9	3526.1	3519.2	3505.8	3488.3
19.5°	3486.8	3508.8	3508.8	3502.1	3488.3	3470.2
20°	3468.2	3492.0	3491.5	3484.4	3470.4	3451.9
20.5°	3449.7	3473.7	3473.3	3466.1	3451.1	3433.1
21°	3430.4	3455.5	3454.8	3447.6	3432.3	3413.3
21.5°	3411.8	3435.3	3435.7	3428.0	3412.8	3393.7
22°	3391.4	3416.7	3416.4	3408.4	3392.9	3373.6

TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	3370.8	3397.0	3397.0	3388.7	3373.1	3353.1
23°	3350.3	3376.6	3376.8	3368.1	3352.6	3332.2
23.5°	3329.8	3356.7	3355.8	3347.6	3331.6	3310.8
24°	3307.5	3335.3	3334.4	3326.2	3309.5	3289.1
24.5°	3285.5	3313.4	3313.1	3304.0	3288.2	3266.6
25°	3263.0	3291.7	3291.6	3282.1	3265.9	3244.0
25.5°	3241.4	3269.2	3268.2	3260.0	3243.3	3221.5
26°	3217.2	3246.6	3245.6	3237.4	3220.2	3198.5
26.5°	3193.8	3223.5	3222.6	3213.8	3196.7	3174.8
27°	3170.1	3200.0	3199.2	3190.3	3173.3	3150.7
27.5°	3146.1	3176.1	3175.4	3166.4	3149.0	3126.0
28°	3120.4	3151.6	3150.6	3141.6	3123.9	3101.6
28.5°	3096.0	3127.0	3126.3	3116.9	3099.4	3076.8
29°	3069.9	3102.1	3101.1	3092.2	3073.8	3051.4
29.5°	3044.2	3076.8	3076.0	3066.5	3048.8	3026.0
30°	3017.7	3050.9	3050.1	3041.0	3022.6	3000.1
30.5°	2992.0	3024.9	3024.3	3014.7	2997.2	2974.2
31°	2964.4	2998.2	2997.9	2987.6	2970.5	2947.8
31.5°	2937.7	2971.5	2970.7	2960.9	2943.4	2920.4
32°	2909.7	2944.0	2944.1	2934.1	2915.9	2893.2
32.5°	2882.6	2916.5	2916.3	2907.2	2889.3	2866.3
33°	2853.7	2888.8	2888.2	2879.3	2860.4	2837.9
33.5°	2825.0	2860.9	2860.2	2850.7	2833.0	2810.7
34°	2796.0	2831.8	2831.6	2822.0	2804.5	2782.3
34.5°	2767.1	2802.7	2802.6	2793.3	2776.0	2753.3
35°	2737.2	2773.6	2773.9	2764.2	2745.9	2724.5
35.5°	2707.5	2744.3	2744.0	2735.1	2717.8	2695.6
36°	2677.7	2714.0	2714.0	2704.7	2687.9	2666.5
36.5°	2646.9	2684.1	2684.2	2674.9	2657.8	2636.4
37°	2616.0	2653.4	2652.8	2644.5	2626.5	2606.0
37.5°	2584.7	2622.6	2623.2	2613.8	2596.9	2576.0
38°	2553.3	2591.5	2591.6	2582.3	2566.5	2545.4
38.5°	2521.8	2560.1	2559.9	2551.3	2535.2	2514.8
39°	2489.9	2528.5	2528.5	2520.1	2504.6	2483.5
39.5°	2457.4	2496.2	2496.9	2488.8	2473.5	2452.0
40°	2424.8	2463.5	2464.9	2455.7	2441.7	2420.3
40.5°	2391.7	2432.0	2432.9	2425.1	2409.8	2388.9
41°	2357.0	2398.3	2399.7	2391.5	2377.1	2357.4
41.5°	2320.8	2363.8	2366.1	2358.7	2344.5	2324.4
42°	2284.3	2327.9	2331.3	2324.4	2310.7	2291.9
42.5°	2246.7	2291.2	2294.4	2289.2	2277.0	2257.6
43°	2207.3	2253.3	2257.2	2252.6	2239.6	2221.5
43.5°	2167.7	2215.1	2218.6	2214.0	2201.9	2184.5
44°	2128.1	2175.3	2179.9	2175.0	2163.7	2145.6
44.5°	2088.7	2136.0	2140.6	2136.3	2125.2	2107.0

TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2047.4	2095.9	2100.7	2096.8	2085.8	2067.6
45.5°	2006.2	2055.9	2060.6	2057.3	2045.6	2028.5
46°	1965.1	2015.0	2019.1	2016.5	2005.6	1988.4
46.5°	1923.6	1973.1	1978.3	1975.3	1965.1	1947.2
47°	1882.2	1931.2	1936.7	1934.9	1924.8	1906.8
47.5°	1839.7	1889.9	1895.0	1893.5	1882.8	1865.9
48°	1798.8	1848.1	1853.9	1852.7	1842.2	1825.5
48.5°	1756.4	1805.9	1812.2	1811.5	1801.0	1784.4
49°	1714.9	1764.2	1770.5	1769.4	1760.2	1743.4
49.5°	1672.6	1721.3	1729.1	1728.2	1718.4	1701.9
50°	1630.6	1678.5	1686.8	1685.8	1677.4	1660.8
50.5°	1589.1	1636.3	1643.8	1644.4	1635.2	1619.9
51°	1546.6	1594.4	1602.2	1603.2	1594.4	1579.4
51.5°	1505.2	1552.0	1560.6	1560.8	1552.6	1538.3
52°	1463.6	1510.2	1518.8	1519.2	1512.7	1498.4
52.5°	1421.1	1468.7	1477.2	1478.3	1472.4	1458.3
53°	1380.0	1427.4	1435.0	1436.9	1430.8	1418.1
53.5°	1339.3	1385.1	1393.5	1395.3	1390.1	1377.7
54°	1298.2	1344.5	1352.1	1353.7	1349.7	1337.6
54.5°	1257.5	1303.7	1312.1	1314.2	1309.9	1298.3
55°	1216.8	1263.0	1270.5	1273.8	1270.1	1260.3
55.5°	1177.0	1221.6	1230.0	1232.8	1230.6	1221.0
56°	1137.4	1182.6	1189.8	1193.3	1191.7	1183.4
56.5°	1098.2	1142.0	1149.9	1153.7	1152.1	1145.0
57°	1058.4	1102.6	1110.5	1114.2	1114.2	1107.3
57.5°	1020.1	1062.6	1070.5	1075.5	1075.8	1069.2
58°	982.2	1024.5	1032.1	1037.3	1038.2	1033.4
58.5°	944.6	986.2	992.3	998.8	1001.2	997.0
59°	907.3	948.7	955.5	960.6	964.2	960.2
59.5°	869.7	911.1	917.4	923.5	928.1	924.5
60°	833.5	874.0	880.9	886.8	891.8	889.7
60.5°	797.8	836.6	842.9	850.4	855.7	854.6
61°	763.7	800.9	807.3	813.3	820.3	820.1
61.5°	729.5	765.9	771.8	778.3	786.4	785.9
62°	695.4	730.2	736.8	743.4	752.1	752.3
62.5°	661.2	694.7	700.6	708.7	718.4	719.4
63°	627.1	660.5	667.1	675.2	684.9	686.0
63.5°	594.2	627.7	633.6	641.4	652.0	652.5
64°	561.2	593.8	600.7	608.7	619.8	618.3
64.5°	529.8	561.8	567.2	576.6	588.3	585.5
65°	499.6	530.1	536.3	545.7	557.5	552.9
65.5°	468.4	498.9	505.0	515.0	526.7	521.0
66°	439.1	468.2	474.7	484.6	495.8	489.2
66.5°	410.1	438.6	444.7	455.3	466.2	458.4
67°	382.3	408.9	416.5	426.8	436.3	429.2

TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	355.2	381.0	387.9	399.3	407.8	401.2
68°	329.2	353.7	360.8	372.7	379.5	373.9
68.5°	304.3	327.3	334.8	346.7	352.1	346.8
69°	279.9	303.5	311.1	323.3	324.5	324.5
69.5°	256.5	279.7	287.5	299.6	301.4	300.2
70°	234.9	256.0	263.8	275.9	278.5	275.8
70.5°	214.6	232.2	240.2	252.2	255.5	251.5
71°	194.8	208.5	216.7	228.6	232.6	227.1
71.5°	176.6	188.8	197.2	208.5	212.7	207.1
72°	160.1	170.9	179.1	190.0	194.1	188.5
72.5°	145.1	154.8	161.9	172.5	176.6	170.9
73°	131.3	140.2	146.5	156.1	160.3	154.7
73.5°	119.9	127.7	133.1	141.9	145.5	139.3
74°	110.0	116.6	121.2	128.7	132.0	126.7
74.5°	101.9	107.6	111.2	117.4	120.6	117.5
75°	95.7	100.2	103.0	107.7	110.4	108.5
75.5°	91.2	95.0	96.8	99.9	101.7	101.1
76°	86.7	90.4	92.1	94.4	94.9	95.7
76.5°	82.5	85.8	87.6	89.8	90.0	90.9
77°	78.3	81.5	83.1	85.3	85.2	86.0
77.5°	74.1	77.3	78.9	80.9	80.7	81.7
78°	69.9	73.1	74.6	76.6	76.1	77.2
78.5°	65.6	69.0	70.5	72.2	71.7	72.7
79°	61.7	64.8	66.3	67.9	67.3	68.3
79.5°	57.7	60.8	62.4	63.8	63.1	64.1
80°	53.9	56.8	58.4	59.7	58.8	59.9
80.5°	50.2	53.2	54.6	55.9	54.8	55.9
81°	46.5	49.4	50.7	51.9	50.8	51.8
81.5°	42.8	45.6	47.0	47.9	46.8	47.8
82°	39.2	42.0	43.3	44.2	43.0	44.0
82.5°	35.7	38.5	39.8	40.5	39.1	40.2
83°	32.3	34.9	36.2	36.8	35.4	36.5
83.5°	28.9	31.6	32.6	33.4	32.2	32.7
84°	25.6	28.3	29.3	30.1	28.8	29.4
84.5°	22.3	25.0	26.0	26.9	25.5	26.1
85°	19.1	21.7	22.7	23.6	22.1	22.8
85.5°	15.9	18.4	19.5	20.4	18.7	19.5
86°	13.0	15.3	16.3	17.1	15.8	16.2
86.5°	10.1	12.2	13.2	14.1	13.0	13.4
87°	7.2	9.2	10.2	11.3	10.5	10.7
87.5°	4.2	6.2	7.1	8.4	8.1	8.4
88°	1.3	3.3	4.2	5.6	5.8	6.3
88.5°	0.3	2.5	3.4	2.7	3.6	4.1
89°	0.3	1.8	2.6	2.1	2.8	3.4
89.5°	0.3	1.0	1.9	1.5	2.0	2.6



TEST NUMBER: P640245

CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.3	0.3	1.1	1.0	1.3	1.9
90.5°	0.3	0.3	0.3	0.4	0.5	1.1
91°	0.3	0.3	0.3	0.3	0.5	0.3
91.5°	0.3	0.3	0.3	0.3	0.5	0.3
92°	0.3	0.3	0.3	0.3	0.5	0.3
92.5°	0.3	0.3	0.3	0.3	0.4	0.3
93°	0.3	0.3	0.3	0.3	0.3	0.3
93.5°	0.3	0.3	0.3	0.3	0.3	0.3
94°	0.3	0.3	0.3	0.3	0.3	0.4
94.5°	0.3	0.3	0.3	0.3	0.3	0.4
95°	0.3	0.3	0.3	0.3	0.3	0.4
95.5°	0.3	0.3	0.3	0.3	0.3	0.4
96°	0.3	0.3	0.3	0.3	0.3	0.4
96.5°	0.3	0.4	0.3	0.3	0.3	0.4
97°	0.3	0.4	0.4	0.3	0.4	0.4
97.5°	0.3	0.4	0.4	0.3	0.4	0.4
98°	0.3	0.4	0.4	0.4	0.4	0.4
98.5°	0.3	0.4	0.4	0.4	0.4	0.4
99°	0.3	0.4	0.4	0.4	0.4	0.4
99.5°	0.3	0.4	0.4	0.4	0.4	0.5
100°	0.3	0.4	0.4	0.4	0.4	0.5
100.5°	0.3	0.4	0.4	0.4	0.4	0.5
101°	0.3	0.4	0.4	0.4	0.4	0.5
101.5°	0.3	0.4	0.4	0.4	0.4	0.5
102°	0.3	0.4	0.4	0.4	0.4	0.5
102.5°	0.3	0.5	0.4	0.4	0.5	0.5
103°	0.3	0.5	0.4	0.4	0.5	0.5
103.5°	0.3	0.5	0.5	0.5	0.5	0.5
104°	0.4	0.5	0.5	0.5	0.5	0.6
104.5°	0.4	0.5	0.5	0.5	0.5	0.6
105°	0.4	0.5	0.5	0.5	0.5	0.6
105.5°	0.4	0.5	0.5	0.5	0.5	0.6
106°	0.4	0.5	0.5	0.5	0.5	0.6
106.5°	0.4	0.5	0.5	0.5	0.5	0.6
107°	0.4	0.5	0.5	0.5	0.5	0.6
107.5°	0.4	0.5	0.5	0.5	0.6	0.6
108°	0.4	0.6	0.5	0.6	0.6	0.7
108.5°	0.4	0.6	0.6	0.6	0.6	0.7
109°	0.4	0.6	0.6	0.6	0.6	0.7
109.5°	0.4	0.6	0.6	0.6	0.6	0.7
110°	0.4	0.6	0.6	0.6	0.6	0.7
110.5°	0.4	0.6	0.6	0.6	0.6	0.7
111°	0.5	0.6	0.6	0.6	0.6	0.7
111.5°	0.5	0.6	0.6	0.6	0.7	0.7
112°	0.5	0.7	0.6	0.6	0.7	0.8



TEST NUMBER: P640245
 CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.5	0.7	0.7	0.7	0.7	0.8
113°	0.5	0.7	0.7	0.7	0.7	0.8
113.5°	0.5	0.7	0.7	0.7	0.7	0.8
114°	0.5	0.7	0.7	0.7	0.7	0.8
114.5°	0.6	0.7	0.7	0.7	0.7	0.8
115°	0.6	0.7	0.7	0.7	0.8	0.8
115.5°	0.6	0.7	0.7	0.7	0.8	0.9
116°	0.6	0.8	0.7	0.8	0.8	0.9
116.5°	0.6	0.8	0.8	0.8	0.8	0.9
117°	0.6	0.8	0.8	0.8	0.8	0.9
117.5°	0.7	0.8	0.8	0.8	0.8	0.9
118°	0.7	0.8	0.8	0.8	0.8	0.9
118.5°	0.7	0.8	0.8	0.8	0.9	1.0
119°	0.7	0.9	0.8	0.8	0.9	1.0
119.5°	0.7	0.9	0.9	0.9	0.9	1.0
120°	0.7	0.9	0.9	0.9	0.9	1.0
120.5°	0.7	0.9	0.9	0.9	0.9	1.0
121°	0.8	0.9	0.9	0.9	0.9	1.0
121.5°	0.8	0.9	0.9	0.9	1.0	1.1
122°	0.8	0.9	0.9	0.9	1.0	1.1
122.5°	0.8	1.0	1.0	1.0	1.0	1.1
123°	0.8	1.0	1.0	1.0	1.0	1.1
123.5°	0.9	1.0	1.0	1.0	1.0	1.1
124°	0.9	1.0	1.0	1.0	1.1	1.2
124.5°	0.9	1.0	1.0	1.0	1.1	1.2
125°	0.9	1.0	1.0	1.0	1.1	1.2
125.5°	0.9	1.1	1.0	1.1	1.1	1.2
126°	0.9	1.1	1.1	1.1	1.1	1.2
126.5°	1.0	1.1	1.1	1.1	1.1	1.3
127°	1.0	1.1	1.1	1.1	1.2	1.3
127.5°	1.0	1.1	1.1	1.1	1.2	1.3
128°	1.0	1.2	1.1	1.1	1.2	1.3
128.5°	1.0	1.2	1.2	1.2	1.2	1.3
129°	1.1	1.2	1.2	1.2	1.2	1.4
129.5°	1.1	1.2	1.2	1.2	1.3	1.4
130°	1.1	1.2	1.2	1.2	1.3	1.4
130.5°	1.1	1.2	1.2	1.2	1.3	1.4
131°	1.1	1.3	1.2	1.3	1.3	1.4
131.5°	1.2	1.3	1.3	1.3	1.3	1.4
132°	1.2	1.3	1.3	1.3	1.4	1.5
132.5°	1.2	1.3	1.3	1.3	1.4	1.5
133°	1.2	1.3	1.3	1.3	1.4	1.5
133.5°	1.2	1.3	1.3	1.3	1.4	1.5
134°	1.3	1.4	1.3	1.4	1.4	1.5
134.5°	1.3	1.4	1.4	1.4	1.4	1.5



TEST NUMBER: P640245
 CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	1.3	1.4	1.4	1.4	1.4	1.5
135.5°	1.3	1.4	1.4	1.4	1.5	1.6
136°	1.3	1.4	1.4	1.4	1.5	1.6
136.5°	1.4	1.4	1.4	1.4	1.5	1.6
137°	1.4	1.4	1.4	1.4	1.5	1.6
137.5°	1.4	1.5	1.4	1.5	1.5	1.6
138°	1.4	1.5	1.5	1.5	1.5	1.6
138.5°	1.4	1.5	1.5	1.5	1.5	1.6
139°	1.4	1.5	1.5	1.5	1.5	1.6
139.5°	1.5	1.5	1.5	1.5	1.6	1.6
140°	1.5	1.5	1.5	1.5	1.6	1.7
140.5°	1.5	1.5	1.5	1.5	1.6	1.7
141°	1.5	1.5	1.5	1.5	1.6	1.7
141.5°	1.6	1.5	1.5	1.6	1.6	1.7
142°	1.6	1.6	1.6	1.6	1.6	1.7
142.5°	1.6	1.6	1.6	1.6	1.6	1.7
143°	1.6	1.6	1.6	1.6	1.6	1.7
143.5°	1.6	1.6	1.6	1.6	1.6	1.7
144°	1.7	1.6	1.6	1.6	1.6	1.7
144.5°	1.7	1.6	1.6	1.6	1.6	1.7
145°	1.7	1.6	1.6	1.6	1.6	1.7
145.5°	1.7	1.6	1.6	1.6	1.7	1.7
146°	1.7	1.7	1.7	1.7	1.7	1.7
146.5°	1.8	1.7	1.7	1.7	1.7	1.7
147°	1.8	1.7	1.7	1.7	1.7	1.7
147.5°	1.8	1.7	1.7	1.7	1.7	1.7
148°	1.8	1.7	1.7	1.7	1.7	1.8
148.5°	1.8	1.7	1.7	1.7	1.7	1.8
149°	1.9	1.7	1.7	1.7	1.8	1.8
149.5°	1.9	1.7	1.7	1.7	1.8	1.8
150°	1.9	1.7	1.7	1.7	1.8	1.8
150.5°	1.9	1.7	1.7	1.8	1.8	1.8
151°	1.9	1.7	1.8	1.8	1.8	1.8
151.5°	1.9	1.8	1.8	1.8	1.8	1.8
152°	2.0	1.8	1.8	1.8	1.8	1.8
152.5°	2.0	1.8	1.8	1.8	1.8	1.8
153°	2.0	1.8	1.8	1.8	1.8	1.9
153.5°	2.0	1.8	1.8	1.8	1.8	1.9
154°	2.0	1.8	1.8	1.8	1.8	1.9
154.5°	2.1	1.8	1.8	1.8	1.8	1.9
155°	2.1	1.8	1.8	1.8	1.9	1.9
155.5°	2.1	1.8	1.8	1.8	1.9	1.9
156°	2.1	1.8	1.8	1.8	1.9	1.9
156.5°	2.1	1.8	1.8	1.8	1.9	1.9
157°	2.1	1.8	1.8	1.8	1.9	1.9



TEST NUMBER: P640245
 CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	2.2	1.8	1.8	1.8	1.9	1.9
158°	2.2	1.8	1.8	1.9	1.9	1.9
158.5°	2.2	1.8	1.8	1.9	1.9	1.9
159°	2.2	1.8	1.8	1.9	1.9	1.9
159.5°	2.2	1.8	1.8	1.9	1.9	1.9
160°	2.2	1.8	1.9	1.9	1.9	1.9
160.5°	2.3	1.8	1.9	1.9	1.9	1.9
161°	2.3	1.8	1.9	1.9	1.9	1.9
161.5°	2.3	1.9	1.9	1.9	1.9	1.9
162°	2.3	1.9	1.9	1.9	1.9	1.9
162.5°	2.3	1.9	1.9	1.9	1.9	1.9
163°	2.3	1.9	1.9	1.9	1.9	1.9
163.5°	2.3	2.0	1.9	1.9	1.9	1.9
164°	2.3	1.9	1.9	1.9	1.9	1.9
164.5°	2.3	1.9	1.9	1.9	1.9	1.9
165°	2.3	1.9	1.9	1.9	1.9	1.9
165.5°	2.3	1.8	1.9	1.9	1.9	1.9
166°	2.3	1.8	1.9	1.9	1.9	1.9
166.5°	2.3	1.9	1.9	1.9	1.9	1.9
167°	2.3	1.9	1.9	1.9	1.9	1.9
167.5°	2.3	1.9	1.9	1.9	1.9	1.9
168°	2.3	1.9	1.9	1.9	1.9	1.9
168.5°	2.3	1.9	1.9	1.9	2.0	2.0
169°	2.3	1.9	1.9	2.0	2.0	2.0
169.5°	2.3	1.9	1.9	2.0	2.0	2.0
170°	2.3	1.9	1.9	2.0	2.0	2.0
170.5°	2.3	1.9	1.9	2.0	2.0	2.0
171°	2.3	1.9	2.0	2.0	2.0	2.0
171.5°	2.3	1.9	2.0	2.0	2.0	2.0
172°	2.3	2.0	2.0	2.0	2.0	2.0
172.5°	2.3	2.0	2.0	2.0	2.0	2.0
173°	2.3	2.0	2.0	2.0	2.0	2.0
173.5°	2.3	2.0	2.0	2.0	2.1	2.1
174°	2.3	2.0	2.0	2.1	2.1	2.1
174.5°	2.3	2.0	2.0	2.1	2.1	2.1
175°	2.3	2.0	2.1	2.1	2.1	2.1
175.5°	2.3	2.1	2.1	2.1	2.1	2.1
176°	2.4	2.1	2.1	2.1	2.1	2.1
176.5°	2.3	2.1	2.1	2.1	2.1	2.1
177°	2.3	2.1	2.1	2.2	2.2	2.1
177.5°	2.3	2.2	2.2	2.2	2.2	2.2
178°	2.3	2.2	2.2	2.2	2.2	2.2
178.5°	2.3	2.3	2.3	2.3	2.3	2.2
179°	2.3	2.3	2.3	2.3	2.3	2.3
179.5°	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P640245
CATALOG NUMBER: LCR880RD9FSE040-92W-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	2.3	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)