

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: P640240

Luminaire Tested: LCR880RD9FSE010-92W-3000K

Issue Date: 2/13/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640240  
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: LCR880RD9FSE010-92W-3000K  
Description: LCR 8  
Light Source: 3000K CCT, 93 CRI LEDS  
Ballast/Driver: -

**Summary**

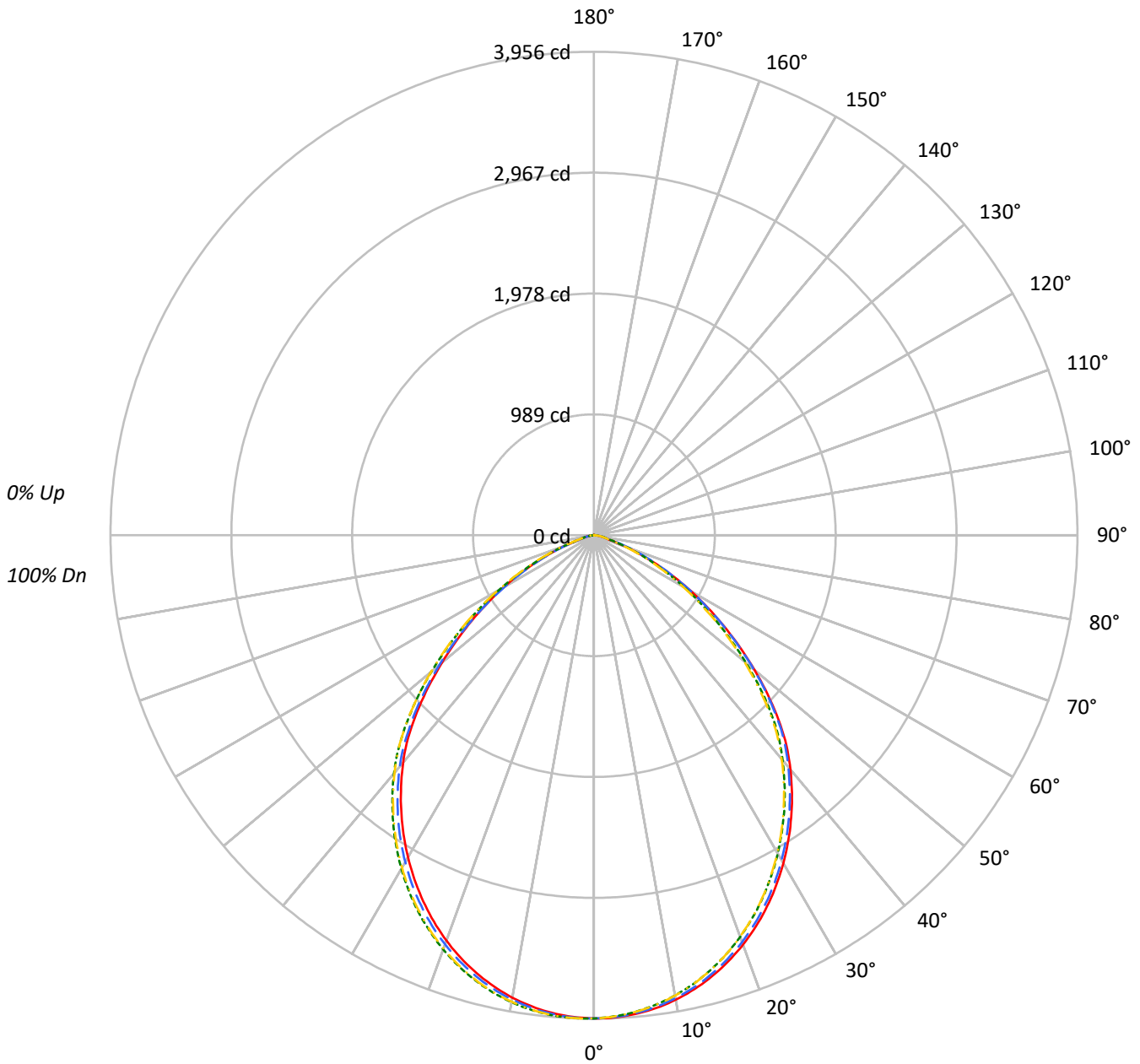
Lumens per Lamp: N/A  
Luminaire Lumens: 8155.0 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.17 / 1.26  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 91.8  
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: P640240  
CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

### 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	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°	121914	121914	121914	121914
5°	121696	121148	121458	122030
10°	120824	119712	120298	121500
15°	119265	117589	118432	120287
20°	117006	114755	115818	118365
25°	114008	111245	112453	115685
30°	110338	107062	108333	112211
35°	105938	102253	103480	107851
40°	100635	96662	97741	102434
45°	93136	89076	89246	94409
50°	82297	77951	77975	83175
55°	69987	65594	65664	70137
60°	56677	52650	52551	55672
65°	41678	39445	37876	39956
70°	25686	25948	22513	23838
75°	13356	14964	12105	12331
80°	10992	12537	10015	10424
85°	8350	11251	6828	7925

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 292.5°  
 Vertical Angle: 45°  
 Luminance: 94627 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.5	4.6
10°-20°	1048.8	12.9
20°-30°	1532.2	18.8
30°-40°	1739.3	21.3
40°-50°	1608.8	19.7
50°-60°	1129.0	13.8
60°-70°	547.6	6.7
70°-80°	140.9	1.7
80°-90°	29.3	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°	2953.5	36.2
0°-40°	4692.9	57.5
0°-60°	7430.7	91.1
0°-90°	8148.4	99.9
90°-120°	1.6	0.0
90°-150°	4.8	0.1
90°-180°	7.0	0.1
0°-180°	8155.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3954	3954	3954	3954	3954	
5°	3932	3914	3924	3942	3932	373
15°	3736	3683	3710	3768	3736	1052
25°	3351	3270	3305	3400	3351	1541
35°	2814	2716	2749	2865	2814	1757
45°	2136	2043	2046	2165	2136	1638
55°	1302	1220	1221	1305	1302	1165
65°	571	541	519	548	571	573
75°	112	126	102	104	112	141
85°	24	32	19	22	24	27
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3953.6	3953.6	3953.6	3953.6	3953.6	3953.6	3953.6	3953.6	3953.6	3953.6	3953.6
0.5°	3953.7	3953.5	3953.4	3952.7	3951.6	3951.8	3951.9	3952.5	3953.1	3954.1	3953.9
1°	3953.4	3952.6	3952.0	3951.3	3949.1	3949.5	3950.0	3950.8	3951.7	3953.2	3953.5
1.5°	3952.7	3950.8	3950.7	3949.0	3946.9	3946.9	3947.2	3948.6	3949.6	3952.1	3952.5
2°	3951.4	3948.8	3948.6	3946.9	3943.5	3943.8	3944.8	3945.6	3947.7	3950.4	3951.1
2.5°	3949.4	3946.0	3945.8	3943.4	3939.4	3939.9	3940.6	3942.3	3945.0	3948.2	3949.1
3°	3946.5	3943.3	3943.0	3939.7	3935.7	3935.9	3936.5	3938.5	3942.0	3945.6	3946.5
3.5°	3943.9	3939.4	3939.6	3935.7	3931.4	3930.8	3931.6	3934.1	3938.1	3942.6	3943.6
4°	3940.4	3935.5	3935.2	3931.1	3926.0	3925.4	3926.4	3929.4	3933.7	3939.1	3939.9
4.5°	3936.1	3931.0	3930.5	3926.0	3920.0	3919.7	3920.9	3924.2	3929.0	3934.6	3936.0
5°	3931.5	3925.7	3925.3	3920.6	3913.8	3913.0	3915.2	3918.3	3923.8	3929.9	3931.2
5.5°	3926.6	3920.2	3919.6	3914.2	3906.8	3906.2	3907.7	3911.7	3918.0	3924.8	3926.4
6°	3921.2	3914.2	3913.4	3907.2	3899.4	3898.9	3900.6	3904.7	3911.6	3919.0	3920.9
6.5°	3915.2	3907.2	3906.7	3900.5	3891.8	3890.9	3892.7	3897.7	3904.4	3912.6	3915.0
7°	3908.6	3900.6	3899.5	3893.2	3883.5	3882.5	3884.6	3889.5	3897.4	3906.0	3907.9
7.5°	3901.8	3892.9	3891.7	3885.1	3875.2	3873.4	3875.9	3881.1	3889.1	3899.0	3900.5
8°	3894.5	3885.0	3883.4	3876.3	3865.4	3864.2	3866.5	3872.6	3880.6	3891.2	3893.0
8.5°	3886.3	3875.9	3875.5	3866.9	3855.1	3854.9	3857.0	3862.6	3871.9	3882.7	3885.2
9°	3877.6	3867.3	3865.9	3856.9	3845.2	3844.3	3846.4	3852.9	3862.5	3873.9	3876.6
9.5°	3868.3	3857.5	3856.4	3846.8	3834.4	3833.5	3835.8	3841.7	3852.3	3864.8	3867.1
10°	3858.7	3847.5	3845.6	3836.7	3823.2	3821.9	3824.1	3831.0	3841.9	3854.6	3858.0
10.5°	3848.8	3836.4	3835.5	3825.6	3811.3	3810.1	3812.4	3819.8	3830.5	3844.5	3847.7
11°	3838.2	3825.5	3824.0	3813.9	3798.8	3797.4	3800.0	3807.5	3819.6	3833.6	3837.1
11.5°	3827.1	3813.8	3812.7	3801.7	3786.4	3784.5	3787.5	3794.9	3807.1	3822.2	3825.9
12°	3815.4	3802.1	3800.4	3789.2	3773.3	3771.3	3774.3	3781.8	3794.7	3810.6	3813.9
12.5°	3803.7	3788.9	3788.0	3776.0	3759.7	3757.6	3760.5	3768.6	3781.6	3798.3	3802.1
13°	3791.1	3776.1	3774.8	3762.3	3745.3	3743.4	3746.7	3754.7	3768.5	3785.8	3789.3
13.5°	3777.6	3762.6	3761.4	3748.5	3730.3	3728.5	3731.1	3740.2	3754.2	3772.1	3776.2
14°	3764.4	3748.7	3747.6	3733.8	3715.0	3712.6	3715.9	3725.1	3739.7	3758.5	3762.6
14.5°	3750.3	3734.5	3732.6	3719.0	3699.7	3696.9	3700.0	3709.1	3724.9	3744.2	3748.5
15°	3735.9	3719.6	3717.6	3703.8	3683.4	3680.4	3683.6	3693.2	3709.8	3728.6	3734.3
15.5°	3720.6	3703.7	3702.1	3687.3	3666.5	3663.8	3666.9	3676.7	3693.3	3713.7	3719.1
16°	3705.7	3687.9	3686.2	3671.2	3649.6	3647.1	3649.6	3660.1	3677.1	3697.9	3703.5
16.5°	3689.2	3671.8	3669.9	3653.7	3632.2	3628.9	3632.1	3642.8	3660.4	3681.7	3687.4
17°	3673.2	3655.0	3653.0	3636.9	3614.6	3611.1	3614.4	3625.0	3643.0	3665.1	3670.9
17.5°	3656.0	3637.7	3635.6	3619.4	3596.1	3592.3	3595.8	3606.3	3625.0	3647.3	3654.4
18°	3638.9	3619.7	3617.7	3601.1	3576.8	3573.6	3576.7	3587.5	3606.3	3629.5	3636.4
18.5°	3621.1	3601.2	3599.5	3582.4	3557.6	3554.1	3557.0	3568.0	3588.0	3611.3	3618.7
19°	3603.2	3582.9	3580.7	3562.7	3537.9	3534.3	3536.8	3549.0	3569.0	3593.3	3600.2
19.5°	3584.5	3564.1	3562.1	3543.5	3517.5	3514.0	3517.3	3528.7	3548.6	3574.3	3581.8
20°	3565.6	3544.8	3542.3	3523.7	3497.0	3493.1	3496.2	3507.9	3529.4	3554.5	3562.1
20.5°	3546.1	3524.5	3522.4	3503.4	3476.4	3471.8	3475.0	3487.0	3508.3	3534.6	3542.4
21°	3525.7	3504.2	3502.1	3482.6	3455.0	3450.4	3453.2	3465.6	3487.8	3514.6	3522.5
21.5°	3505.4	3484.0	3481.3	3460.9	3433.3	3428.5	3431.5	3443.6	3465.6	3492.8	3501.9
22°	3484.6	3462.6	3459.7	3439.8	3410.5	3406.1	3409.6	3421.2	3444.3	3471.9	3480.3



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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°	3463.6	3441.1	3438.3	3417.6	3388.0	3383.4	3386.3	3398.6	3421.5	3450.4	3459.4
23°	3441.9	3419.4	3416.6	3395.4	3365.5	3360.5	3363.0	3375.9	3399.7	3429.1	3437.0
23.5°	3419.8	3396.5	3394.6	3372.2	3342.5	3336.9	3339.5	3352.4	3376.0	3405.7	3414.7
24°	3397.4	3373.5	3371.9	3349.2	3318.5	3313.2	3315.9	3328.5	3352.6	3382.6	3391.9
24.5°	3374.1	3350.5	3348.6	3325.9	3294.0	3288.8	3291.5	3304.5	3328.8	3359.3	3369.0
25°	3350.8	3327.2	3324.7	3302.0	3269.6	3264.2	3266.7	3279.7	3305.1	3335.8	3345.2
25.5°	3327.6	3303.1	3301.0	3277.2	3244.7	3239.4	3241.9	3254.8	3280.2	3311.8	3321.6
26°	3303.8	3278.9	3276.7	3252.9	3220.3	3214.1	3216.7	3230.0	3255.0	3287.0	3297.1
26.5°	3279.4	3254.8	3251.7	3228.4	3194.4	3188.6	3190.7	3204.0	3229.9	3262.3	3272.7
27°	3254.5	3229.8	3227.0	3202.9	3168.1	3162.4	3164.5	3178.1	3204.4	3237.0	3247.2
27.5°	3229.0	3204.5	3201.8	3176.7	3142.2	3136.2	3138.0	3152.1	3177.9	3211.8	3221.9
28°	3203.7	3178.5	3176.3	3151.6	3115.7	3109.8	3111.2	3125.3	3151.3	3185.5	3195.8
28.5°	3178.1	3152.4	3149.9	3124.6	3089.2	3082.3	3084.3	3097.8	3124.7	3158.4	3169.3
29°	3151.9	3126.3	3124.0	3098.3	3061.5	3055.1	3057.1	3070.8	3097.9	3131.9	3142.4
29.5°	3125.7	3099.9	3097.8	3071.5	3034.9	3027.6	3029.3	3043.4	3070.4	3105.2	3115.3
30°	3098.8	3072.6	3070.2	3044.3	3006.8	2999.8	3001.4	3015.5	3042.5	3077.6	3088.3
30.5°	3072.1	3045.7	3043.3	3016.9	2979.0	2971.7	2973.3	2987.1	3014.5	3049.7	3060.7
31°	3044.9	3018.0	3016.0	2989.0	2951.1	2943.2	2944.9	2958.5	2986.0	3021.7	3032.2
31.5°	3016.6	2990.0	2987.8	2961.2	2922.2	2914.4	2915.9	2929.9	2957.1	2993.5	3004.0
32°	2988.4	2961.4	2959.8	2932.6	2894.6	2885.7	2886.7	2900.9	2928.4	2964.9	2975.5
32.5°	2960.7	2933.9	2932.1	2904.0	2864.9	2856.9	2857.8	2872.1	2899.7	2936.3	2946.7
33°	2931.4	2904.7	2902.7	2875.8	2835.7	2827.4	2828.3	2842.0	2870.5	2906.4	2917.1
33.5°	2903.2	2875.8	2874.1	2846.6	2806.3	2797.8	2799.2	2811.8	2840.6	2877.0	2887.3
34°	2873.9	2846.3	2845.0	2817.4	2776.2	2768.1	2768.5	2782.0	2810.4	2847.1	2857.1
34.5°	2844.0	2816.9	2815.7	2787.9	2747.0	2738.2	2738.4	2751.4	2779.6	2816.8	2826.8
35°	2814.2	2787.5	2785.8	2758.4	2716.3	2707.2	2707.5	2720.9	2748.9	2786.8	2796.5
35.5°	2784.4	2757.1	2755.7	2727.2	2686.5	2676.5	2677.4	2689.9	2718.3	2755.3	2765.6
36°	2754.3	2726.9	2725.5	2697.5	2655.6	2646.0	2645.8	2659.1	2687.5	2724.3	2734.0
36.5°	2723.2	2696.4	2695.1	2666.6	2624.6	2615.1	2614.5	2627.8	2656.0	2692.8	2702.0
37°	2691.9	2665.4	2664.4	2636.2	2593.1	2583.2	2582.9	2595.7	2623.5	2660.9	2670.3
37.5°	2660.8	2634.2	2632.9	2604.6	2562.0	2552.0	2551.2	2564.2	2591.9	2629.8	2638.0
38°	2629.3	2601.7	2601.4	2573.0	2529.7	2519.5	2518.7	2531.7	2559.6	2596.5	2605.9
38.5°	2597.6	2570.2	2569.8	2541.2	2498.2	2488.7	2487.7	2499.1	2527.3	2564.2	2572.4
39°	2565.3	2538.8	2538.2	2509.5	2465.8	2455.7	2454.7	2466.7	2494.9	2531.6	2539.6
39.5°	2532.7	2506.5	2506.7	2478.2	2434.6	2423.6	2422.1	2433.9	2461.5	2499.3	2506.5
40°	2500.0	2473.8	2474.0	2445.7	2401.3	2390.8	2388.8	2401.3	2428.1	2465.5	2472.7
40.5°	2467.6	2440.8	2441.4	2412.3	2368.9	2358.8	2356.6	2367.4	2395.2	2431.5	2438.5
41°	2435.1	2408.4	2408.9	2380.3	2336.3	2326.1	2323.3	2333.9	2361.2	2396.7	2402.3
41.5°	2401.0	2375.5	2376.5	2347.5	2303.5	2292.8	2290.1	2300.6	2326.6	2361.6	2364.2
42°	2367.3	2341.8	2343.6	2314.7	2269.9	2259.3	2255.4	2264.3	2288.0	2322.7	2325.7
42.5°	2332.0	2308.2	2309.7	2281.3	2236.0	2224.5	2219.0	2226.5	2249.7	2284.3	2286.1
43°	2294.7	2270.5	2275.7	2246.8	2199.6	2187.1	2180.9	2187.8	2210.1	2244.9	2246.0
43.5°	2256.4	2231.9	2240.3	2211.2	2161.5	2149.3	2142.3	2147.9	2171.8	2204.6	2204.5
44°	2216.2	2192.8	2201.5	2172.7	2122.6	2108.5	2100.6	2106.4	2128.6	2162.8	2163.8
44.5°	2176.3	2153.0	2161.3	2134.2	2083.0	2068.8	2060.5	2065.3	2088.3	2123.0	2122.5



TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	2135.7	2111.6	2121.7	2093.8	2042.6	2028.8	2018.5	2024.0	2046.5	2080.6	2080.7
45.5°	2095.3	2070.9	2081.3	2054.7	2002.1	1987.4	1976.9	1982.7	2005.8	2039.2	2038.7
46°	2053.9	2028.7	2039.1	2012.9	1961.0	1945.6	1935.6	1940.3	1963.0	1996.7	1996.5
46.5°	2011.3	1988.1	1999.9	1971.3	1919.8	1903.1	1894.1	1898.5	1921.0	1955.2	1953.4
47°	1969.6	1946.5	1957.3	1929.4	1877.8	1861.7	1852.1	1856.3	1878.9	1912.1	1911.5
47.5°	1927.4	1903.7	1915.7	1887.8	1835.2	1819.8	1810.0	1814.3	1836.7	1869.2	1868.0
48°	1885.6	1861.7	1874.1	1845.4	1793.8	1776.9	1767.9	1772.0	1793.5	1826.1	1825.1
48.5°	1843.2	1819.2	1832.4	1804.5	1752.0	1735.7	1726.9	1730.5	1751.6	1785.1	1782.1
49°	1800.8	1778.0	1789.7	1761.5	1709.5	1693.8	1685.0	1689.1	1709.0	1741.8	1738.4
49.5°	1758.0	1736.5	1747.7	1719.9	1667.3	1652.2	1642.8	1647.6	1666.9	1699.0	1695.8
50°	1715.5	1693.4	1705.9	1677.3	1624.9	1610.7	1601.4	1606.0	1625.4	1656.6	1652.3
50.5°	1673.2	1650.5	1664.3	1636.2	1583.0	1568.1	1560.2	1563.8	1583.9	1614.0	1609.8
51°	1631.4	1609.9	1622.2	1593.4	1541.5	1528.2	1519.5	1523.2	1542.5	1571.4	1567.2
51.5°	1589.0	1567.6	1581.0	1552.1	1500.1	1486.2	1478.6	1482.8	1501.1	1529.6	1525.0
52°	1547.7	1527.4	1538.1	1510.3	1459.0	1445.8	1437.7	1442.7	1460.0	1488.3	1481.3
52.5°	1506.3	1485.6	1497.9	1470.0	1417.8	1404.5	1397.1	1402.1	1419.2	1446.7	1439.6
53°	1464.8	1444.4	1456.8	1429.2	1377.7	1364.0	1357.8	1362.0	1379.3	1405.4	1397.9
53.5°	1423.0	1403.0	1415.8	1388.2	1338.2	1324.5	1317.9	1322.2	1339.4	1364.3	1355.1
54°	1381.6	1363.3	1375.1	1347.2	1298.3	1284.9	1278.0	1283.5	1299.2	1323.1	1314.2
54.5°	1341.1	1322.9	1333.9	1307.7	1258.1	1245.8	1238.7	1244.4	1259.9	1282.8	1272.6
55°	1301.8	1283.4	1294.8	1268.6	1220.1	1206.6	1201.2	1206.4	1221.4	1243.1	1231.5
55.5°	1261.2	1243.7	1255.3	1229.5	1181.3	1167.7	1161.6	1167.2	1182.4	1202.3	1190.9
56°	1222.4	1204.6	1215.8	1189.4	1143.4	1130.7	1124.2	1129.4	1144.4	1163.1	1149.8
56.5°	1182.7	1165.7	1177.1	1151.0	1105.1	1092.0	1086.2	1091.8	1105.9	1123.9	1110.1
57°	1143.7	1127.7	1137.8	1113.7	1068.5	1055.4	1049.9	1055.1	1068.3	1085.5	1070.8
57.5°	1104.4	1088.5	1099.3	1075.6	1030.7	1017.5	1012.3	1018.2	1031.4	1047.5	1031.5
58°	1067.5	1050.8	1061.8	1038.4	994.7	983.0	976.7	981.3	995.1	1009.2	993.1
58.5°	1029.8	1013.6	1024.9	1001.5	959.6	946.5	941.4	945.9	958.6	972.0	953.8
59°	991.8	976.7	987.7	964.7	923.6	911.4	905.5	911.4	922.8	936.0	915.9
59.5°	955.0	940.1	951.2	929.3	888.5	876.3	870.0	875.9	887.2	899.0	878.7
60°	919.0	904.1	914.9	894.2	853.7	842.6	835.7	840.6	852.1	863.0	842.3
60.5°	882.7	868.0	879.7	859.6	820.4	807.7	802.7	806.8	818.0	827.3	806.1
61°	847.1	832.9	844.4	824.4	787.5	775.9	770.5	774.6	785.1	793.1	771.7
61.5°	811.8	798.6	809.8	790.6	755.3	744.2	738.3	742.4	751.4	759.3	737.3
62°	777.1	764.4	775.6	757.9	723.0	712.5	706.1	710.2	717.6	725.4	702.8
62.5°	743.1	730.2	742.0	724.6	690.8	680.8	673.9	678.0	683.9	691.6	668.4
63°	708.5	697.1	709.3	692.8	658.6	649.1	641.7	645.8	650.2	657.7	634.0
63.5°	674.0	664.5	676.9	661.3	629.6	618.2	611.7	614.2	616.8	625.6	600.6
64°	638.6	632.2	645.1	630.3	598.8	588.4	581.6	583.9	583.1	593.7	568.2
64.5°	604.8	599.9	613.2	599.3	569.5	558.9	551.9	553.8	550.3	561.0	538.1
65°	571.2	568.8	582.9	570.4	540.6	531.3	523.2	524.6	519.1	529.6	505.9
65.5°	538.1	537.8	553.2	540.9	512.2	502.3	494.7	494.1	487.7	497.9	475.4
66°	505.3	507.1	523.8	512.2	484.2	474.8	467.6	465.0	457.4	467.8	445.8
66.5°	473.5	477.3	494.5	484.4	456.8	447.7	440.0	436.5	428.4	437.5	418.5
67°	443.3	448.1	467.3	457.5	430.7	422.5	413.9	408.8	400.8	409.3	389.7





TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	414.5	419.4	439.6	430.3	405.0	396.3	389.0	381.3	373.1	381.1	362.6
68°	386.2	392.3	413.2	404.8	380.0	371.6	363.8	355.1	346.5	354.8	336.7
68.5°	358.2	365.9	387.2	379.7	356.0	348.0	340.5	330.3	321.1	328.9	312.2
69°	335.2	339.6	362.4	355.3	332.2	324.8	317.2	306.6	296.6	304.3	287.0
69.5°	310.1	316.3	337.7	337.2	309.6	302.4	294.7	283.6	272.3	280.4	264.1
70°	284.9	293.2	315.5	314.1	287.8	280.7	274.0	261.8	249.7	257.7	241.7
70.5°	259.7	270.0	293.3	291.0	267.1	260.3	253.0	241.2	228.6	235.6	221.0
71°	234.6	246.8	271.1	267.9	247.2	240.9	233.8	221.9	208.6	215.3	200.9
71.5°	214.0	226.7	248.9	244.8	227.6	222.0	215.0	203.4	189.1	196.2	182.8
72°	194.7	207.5	229.7	225.5	209.6	204.3	197.6	186.1	171.5	178.1	165.6
72.5°	176.5	189.8	211.2	207.7	192.6	187.6	181.2	170.2	155.1	161.5	150.2
73°	159.8	173.3	193.9	190.8	176.6	171.9	165.7	155.1	140.0	146.5	135.8
73.5°	143.9	158.2	177.3	174.6	162.1	157.6	151.6	141.6	127.8	133.3	123.9
74°	130.9	144.6	162.6	160.1	148.4	144.6	138.9	129.6	118.2	121.7	113.1
74.5°	121.4	132.9	148.8	147.2	136.4	132.7	127.1	118.8	108.8	111.4	104.3
75°	112.1	121.7	136.4	135.2	125.6	122.1	116.8	109.5	101.6	102.8	98.0
75.5°	104.4	112.4	125.3	124.7	116.3	112.9	108.0	101.4	96.4	96.3	93.2
76°	98.8	103.9	115.7	115.3	108.3	105.2	101.0	95.5	91.6	91.3	88.6
76.5°	93.9	97.7	107.2	107.2	102.0	99.5	96.1	90.6	87.1	86.8	84.1
77°	88.9	92.6	100.7	101.2	97.0	95.0	91.5	86.1	82.5	82.2	79.7
77.5°	84.4	87.8	95.9	96.4	92.6	90.5	87.1	81.6	78.0	77.7	75.3
78°	79.7	83.1	91.3	91.9	88.1	86.1	82.7	77.0	73.5	73.1	70.9
78.5°	75.1	78.5	86.7	87.3	83.7	81.8	78.4	72.5	68.9	68.6	66.8
79°	70.5	73.9	82.2	82.9	79.3	77.5	74.0	68.0	64.7	64.4	62.6
79.5°	66.2	69.5	77.7	78.6	75.0	73.2	69.7	63.7	60.5	60.2	58.6
80°	61.9	65.0	73.4	74.2	70.6	69.0	65.6	59.5	56.4	56.1	54.6
80.5°	57.7	60.8	69.1	70.0	66.5	64.8	61.5	55.4	52.5	52.1	50.7
81°	53.6	56.6	65.0	65.9	62.4	60.9	57.4	51.4	48.5	48.0	46.8
81.5°	49.4	52.4	60.8	61.8	58.3	56.8	53.3	47.5	44.5	44.2	43.1
82°	45.4	48.3	56.6	57.7	54.4	52.9	49.4	43.5	40.7	40.3	39.4
82.5°	41.5	44.3	52.6	53.8	50.5	49.1	45.6	39.8	37.0	36.5	35.8
83°	37.7	40.3	48.6	49.9	46.7	45.2	41.7	35.8	33.2	32.7	32.3
83.5°	33.8	36.5	44.7	46.0	42.9	41.5	38.0	32.2	29.6	29.1	28.9
84°	30.4	33.2	40.9	42.2	39.1	37.8	34.3	28.5	26.0	25.6	25.6
84.5°	27.0	29.7	37.2	38.5	35.4	34.2	30.7	25.2	22.6	22.5	22.3
85°	23.6	26.2	33.4	34.8	31.8	30.5	27.2	21.8	19.3	19.6	19.1
85.5°	20.2	22.7	30.0	31.3	28.2	27.0	23.8	18.7	16.5	16.3	16.0
86°	16.8	19.2	26.6	27.8	24.8	23.6	20.6	15.7	13.6	13.4	13.1
86.5°	13.9	15.9	23.3	24.3	21.3	20.1	17.4	13.2	11.2	11.0	10.2
87°	11.0	13.1	19.9	20.8	18.0	16.8	14.4	10.7	8.9	8.6	7.3
87.5°	8.7	10.5	16.7	17.3	14.8	13.7	11.4	8.2	6.6	6.2	4.4
88°	6.5	8.1	13.5	14.0	11.6	10.6	8.4	5.7	4.3	3.9	1.4
88.5°	4.3	5.6	10.5	10.7	8.4	7.5	5.4	3.2	2.0	1.6	0.3
89°	3.5	3.3	7.3	7.5	5.2	4.4	2.4	1.2	0.7	0.5	0.3
89.5°	2.7	2.6	4.3	4.4	2.0	1.3	0.6	0.6	0.5	0.4	0.3



TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	1.9	1.9	3.5	3.5	0.4	0.3	0.4	0.6	0.4	0.4	0.3
90.5°	1.1	1.2	2.7	2.7	0.3	0.3	0.4	0.6	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	0.5	1.2	1.2	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	0.4	0.5	0.3	0.4	0.3
92.5°	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3
93°	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
93.5°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
94°	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
94.5°	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
95°	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
95.5°	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
96°	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
96.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3
97°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3
97.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3
98°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3
98.5°	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3
99°	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3
99.5°	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3
100°	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3
100.5°	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.3
101°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
101.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4
102°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
102.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	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°	0.6	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	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.4
105.5°	0.6	0.6	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	0.6	0.6	0.4	0.4	0.4	0.4	0.5	0.4	0.4
107°	0.6	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.5	0.5	0.4
107.5°	0.7	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.5	0.5	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	0.5	0.5	0.5	0.4
109°	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.5	0.5	0.5	0.4
109.5°	0.7	0.7	0.6	0.6	0.5	0.4	0.5	0.5	0.6	0.5	0.5
110°	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
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°	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.6	0.5	0.5
111.5°	0.8	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	0.6	0.5



TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.6	0.6	0.6	0.5
113°	0.8	0.8	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	0.6	0.6	0.6	0.6	0.7	0.6	0.6
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°	0.9	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.7	0.6	0.6
115°	0.9	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.7	0.7	0.6
115.5°	0.9	0.8	0.8	0.8	0.6	0.6	0.6	0.7	0.7	0.7	0.6
116°	0.9	0.9	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	0.7	0.7	0.7	0.7	0.8	0.7	0.7
117°	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.7	0.7
117.5°	1.0	0.9	0.9	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.7
118°	1.0	0.9	0.9	0.9	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	0.8	0.8	0.8	0.7
119°	1.0	1.0	0.9	0.9	0.7	0.7	0.8	0.8	0.9	0.8	0.8
119.5°	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	0.8
120°	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8
120.5°	1.1	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.9	0.9	0.8
121°	1.1	1.0	1.0	1.0	0.8	0.8	0.8	0.8	0.9	0.9	0.8
121.5°	1.1	1.1	1.0	1.0	0.8	0.8	0.8	0.9	1.0	0.9	0.8
122°	1.1	1.1	1.0	1.0	0.9	0.8	0.9	0.9	1.0	0.9	0.9
122.5°	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.9	1.0	0.9	0.9
123°	1.2	1.1	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	0.9
123.5°	1.2	1.1	1.1	1.1	0.9	0.9	0.9	1.0	1.0	1.0	0.9
124°	1.2	1.2	1.1	1.1	0.9	0.9	0.9	1.0	1.1	1.0	0.9
124.5°	1.2	1.2	1.1	1.1	0.9	0.9	1.0	1.0	1.1	1.0	1.0
125°	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.0	1.0
125.5°	1.3	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.0
126°	1.3	1.2	1.2	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.0
126.5°	1.3	1.3	1.2	1.2	1.0	1.0	1.0	1.1	1.2	1.1	1.0
127°	1.3	1.3	1.2	1.2	1.0	1.0	1.1	1.1	1.2	1.1	1.0
127.5°	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.1	1.1
128°	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1
128.5°	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.2	1.1
129°	1.4	1.3	1.3	1.3	1.1	1.1	1.1	1.2	1.3	1.2	1.1
129.5°	1.4	1.4	1.3	1.3	1.1	1.1	1.2	1.2	1.3	1.2	1.1
130°	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2
130.5°	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2
131°	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.2
131.5°	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.3	1.4	1.3	1.2
132°	1.5	1.5	1.4	1.4	1.2	1.2	1.3	1.3	1.4	1.3	1.2
132.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.4	1.4	1.2
133°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.4	1.4	1.3
133.5°	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.4	1.4	1.4	1.3
134°	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.4	1.5	1.4	1.3
134.5°	1.6	1.5	1.4	1.5	1.3	1.3	1.4	1.4	1.5	1.4	1.3



TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.3
135.5°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.4
136°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.5	1.5	1.5	1.4
136.5°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.5	1.6	1.5	1.4
137°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.5	1.6	1.5	1.4
137.5°	1.7	1.6	1.5	1.5	1.5	1.4	1.5	1.5	1.6	1.6	1.4
138°	1.7	1.6	1.5	1.6	1.5	1.5	1.5	1.5	1.6	1.6	1.5
138.5°	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.6	1.5
139°	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.7	1.6	1.5
139.5°	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.6	1.7	1.6	1.5
140°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.7	1.6	1.6
140.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6
141°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.6
141.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.7	1.6
142°	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.7	1.6
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7
143°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7
143.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7
144°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.7	1.7
144.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.9	1.7	1.8
145°	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.8	1.8
145.5°	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
146°	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
146.5°	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.9	1.8	1.8
147°	1.8	1.8	1.8	1.8	1.9	1.8	1.9	1.9	1.9	1.9	1.9
147.5°	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
148°	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
148.5°	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
149°	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.9
149.5°	1.8	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	1.9
150°	1.9	1.9	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150.5°	1.9	1.9	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
151°	1.9	1.9	1.9	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
151.5°	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
152°	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.0	2.0
152.5°	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.1
153°	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1
153.5°	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1
154°	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1
154.5°	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.2	2.2	2.1	2.1
155°	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.2	2.2	2.2	2.2
155.5°	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
156°	1.9	2.0	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
156.5°	2.0	2.0	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
157°	2.0	2.0	1.9	1.9	2.2	2.2	2.2	2.2	2.3	2.2	2.2



TEST NUMBER: P640240  
 CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P640240  
CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4

TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3953.6	3953.6	3953.6	3953.6	3953.6	3953.6
0.5°	3954.2	3954.8	3954.8	3954.6	3954.2	3953.7
1°	3954.1	3955.3	3955.7	3955.2	3954.3	3953.4
1.5°	3953.8	3955.5	3955.8	3955.1	3954.0	3952.7
2°	3952.8	3955.1	3955.5	3954.5	3953.4	3951.4
2.5°	3951.2	3954.2	3954.4	3953.8	3952.0	3949.4
3°	3949.3	3952.8	3952.8	3952.2	3950.3	3946.5
3.5°	3946.7	3950.7	3950.9	3950.0	3947.6	3943.9
4°	3943.3	3948.6	3948.4	3947.6	3944.7	3940.4
4.5°	3940.0	3945.8	3945.4	3944.2	3941.3	3936.1
5°	3936.1	3942.3	3942.2	3941.0	3937.2	3931.5
5.5°	3931.3	3938.5	3938.6	3936.9	3932.3	3926.6
6°	3926.1	3933.9	3934.0	3932.1	3927.4	3921.2
6.5°	3920.3	3929.0	3929.1	3927.1	3921.8	3915.2
7°	3914.6	3923.5	3923.7	3921.4	3916.0	3908.6
7.5°	3907.6	3917.3	3917.9	3915.2	3909.7	3901.8
8°	3900.7	3911.0	3911.6	3908.6	3902.6	3894.5
8.5°	3893.4	3904.0	3904.3	3901.2	3894.9	3886.3
9°	3885.1	3896.8	3896.6	3893.7	3886.5	3877.6
9.5°	3876.6	3888.7	3888.3	3885.0	3878.2	3868.3
10°	3867.5	3880.3	3880.2	3876.5	3869.1	3858.7
10.5°	3858.0	3871.1	3870.8	3867.7	3859.4	3848.8
11°	3847.8	3861.4	3861.6	3857.7	3849.8	3838.2
11.5°	3837.3	3851.5	3851.4	3847.8	3839.0	3827.1
12°	3826.1	3840.9	3841.0	3837.2	3827.9	3815.4
12.5°	3814.6	3830.2	3829.2	3825.8	3816.4	3803.7
13°	3802.5	3818.5	3818.0	3814.2	3804.2	3791.1
13.5°	3790.3	3806.4	3805.6	3802.1	3791.6	3777.6
14°	3776.8	3794.5	3793.5	3789.2	3778.5	3764.4
14.5°	3763.9	3781.2	3779.9	3776.1	3764.6	3750.3
15°	3749.2	3767.9	3767.2	3762.3	3751.1	3735.9
15.5°	3734.9	3753.0	3752.9	3748.2	3735.9	3720.6
16°	3719.5	3739.4	3738.3	3733.4	3721.0	3705.7
16.5°	3704.3	3724.5	3723.9	3717.9	3705.5	3689.2
17°	3688.3	3709.0	3708.5	3702.4	3689.9	3673.2
17.5°	3672.5	3692.5	3692.8	3686.6	3673.1	3656.0
18°	3654.7	3677.0	3676.4	3670.1	3656.3	3638.9
18.5°	3637.1	3660.0	3659.4	3652.7	3638.9	3621.1
19°	3619.7	3643.1	3642.2	3635.0	3621.3	3603.2
19.5°	3601.6	3624.4	3624.4	3617.5	3603.2	3584.5
20°	3582.4	3607.0	3606.5	3599.2	3584.7	3565.6
20.5°	3563.3	3588.1	3587.7	3580.3	3564.7	3546.1
21°	3543.3	3569.3	3568.5	3561.1	3545.3	3525.7
21.5°	3524.1	3548.4	3548.8	3540.9	3525.2	3505.4
22°	3503.1	3529.3	3529.0	3520.6	3504.6	3484.6

TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	3481.8	3508.9	3508.9	3500.3	3484.1	3463.6
23°	3460.6	3487.8	3488.0	3479.0	3463.0	3441.9
23.5°	3439.4	3467.3	3466.3	3457.8	3441.3	3419.8
24°	3416.4	3445.2	3444.3	3435.7	3418.5	3397.4
24.5°	3393.7	3422.6	3422.3	3412.8	3396.5	3374.1
25°	3370.4	3400.1	3400.0	3390.2	3373.4	3350.8
25.5°	3348.1	3376.8	3375.8	3367.4	3350.1	3327.6
26°	3323.2	3353.5	3352.5	3344.0	3326.2	3303.8
26.5°	3299.0	3329.6	3328.7	3319.7	3302.0	3279.4
27°	3274.5	3305.4	3304.5	3295.4	3277.8	3254.5
27.5°	3249.8	3280.7	3280.0	3270.7	3252.7	3229.0
28°	3223.1	3255.4	3254.4	3245.0	3226.7	3203.7
28.5°	3197.9	3230.0	3229.3	3219.5	3201.4	3178.1
29°	3171.0	3204.2	3203.2	3194.0	3175.0	3151.9
29.5°	3144.5	3178.1	3177.3	3167.5	3149.2	3125.7
30°	3117.0	3151.4	3150.6	3141.1	3122.2	3098.8
30.5°	3090.5	3124.5	3123.9	3114.0	3095.9	3072.1
31°	3062.0	3096.9	3096.6	3086.0	3068.3	3044.9
31.5°	3034.4	3069.3	3068.5	3058.4	3040.4	3016.6
32°	3005.5	3041.0	3041.1	3030.7	3011.9	2988.4
32.5°	2977.5	3012.5	3012.3	3002.9	2984.4	2960.7
33°	2947.6	2983.9	2983.3	2974.2	2954.6	2931.4
33.5°	2918.0	2955.1	2954.4	2944.6	2926.3	2903.2
34°	2888.1	2925.0	2924.8	2914.9	2896.8	2873.9
34.5°	2858.2	2895.0	2894.9	2885.3	2867.5	2844.0
35°	2827.4	2865.0	2865.3	2855.2	2836.3	2814.2
35.5°	2796.6	2834.7	2834.4	2825.2	2807.3	2784.4
36°	2765.9	2803.4	2803.4	2793.7	2776.4	2754.3
36.5°	2734.0	2772.5	2772.6	2763.0	2745.3	2723.2
37°	2702.1	2740.8	2740.2	2731.6	2713.0	2691.9
37.5°	2669.8	2708.9	2709.6	2699.9	2682.4	2660.8
38°	2637.4	2676.9	2677.0	2667.3	2651.1	2629.3
38.5°	2604.8	2644.4	2644.2	2635.3	2618.7	2597.6
39°	2571.9	2611.8	2611.8	2603.1	2587.1	2565.3
39.5°	2538.3	2578.4	2579.1	2570.8	2554.9	2532.7
40°	2504.7	2544.7	2546.1	2536.5	2522.1	2500.0
40.5°	2470.4	2512.1	2513.0	2505.0	2489.2	2467.6
41°	2434.7	2477.3	2478.8	2470.2	2455.3	2435.1
41.5°	2397.2	2441.7	2444.0	2436.4	2421.7	2401.0
42°	2359.5	2404.5	2408.0	2401.0	2386.8	2367.3
42.5°	2320.7	2366.6	2370.0	2364.6	2352.0	2332.0
43°	2280.0	2327.6	2331.6	2326.7	2313.4	2294.7
43.5°	2239.0	2288.1	2291.7	2286.9	2274.4	2256.4
44°	2198.1	2247.0	2251.7	2246.7	2234.9	2216.2
44.5°	2157.5	2206.4	2211.1	2206.7	2195.2	2176.3



TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	2114.9	2164.9	2169.9	2165.9	2154.4	2135.7
45.5°	2072.3	2123.6	2128.4	2125.0	2113.0	2095.3
46°	2029.8	2081.4	2085.6	2082.9	2071.7	2053.9
46.5°	1987.0	2038.1	2043.4	2040.3	2029.9	2011.3
47°	1944.2	1994.8	2000.5	1998.6	1988.2	1969.6
47.5°	1900.3	1952.1	1957.4	1955.8	1944.8	1927.4
48°	1858.1	1909.0	1914.9	1913.7	1902.9	1885.6
48.5°	1814.3	1865.4	1871.8	1871.1	1860.3	1843.2
49°	1771.4	1822.3	1828.8	1827.6	1818.2	1800.8
49.5°	1727.7	1778.0	1786.0	1785.1	1775.0	1758.0
50°	1684.3	1733.8	1742.3	1741.3	1732.7	1715.5
50.5°	1641.5	1690.2	1697.9	1698.5	1689.1	1673.2
51°	1597.5	1646.9	1654.9	1656.0	1646.9	1631.4
51.5°	1554.7	1603.1	1612.0	1612.2	1603.8	1589.0
52°	1511.8	1560.0	1568.8	1569.2	1562.5	1547.7
52.5°	1467.9	1517.1	1525.8	1527.0	1520.9	1506.3
53°	1425.4	1474.4	1482.2	1484.2	1477.9	1464.8
53.5°	1383.5	1430.7	1439.4	1441.2	1435.9	1423.0
54°	1341.0	1388.8	1396.6	1398.3	1394.1	1381.6
54.5°	1299.0	1346.7	1355.3	1357.5	1353.0	1341.1
55°	1256.9	1304.6	1312.3	1315.7	1311.9	1301.8
55.5°	1215.8	1261.8	1270.5	1273.4	1271.1	1261.2
56°	1174.9	1221.5	1229.0	1232.6	1230.9	1222.4
56.5°	1134.4	1179.6	1187.7	1191.7	1190.0	1182.7
57°	1093.3	1138.9	1147.0	1150.9	1150.9	1143.7
57.5°	1053.7	1097.6	1105.8	1110.9	1111.2	1104.4
58°	1014.5	1058.2	1066.1	1071.5	1072.4	1067.5
58.5°	975.7	1018.6	1025.0	1031.7	1034.2	1029.8
59°	937.2	979.9	987.0	992.3	995.9	991.8
59.5°	898.3	941.1	947.6	953.9	958.6	955.0
60°	860.9	902.7	909.9	916.0	921.1	919.0
60.5°	824.1	864.2	870.7	878.4	883.9	882.7
61°	788.8	827.3	833.9	840.1	847.3	847.1
61.5°	753.5	791.2	797.2	803.9	812.3	811.8
62°	718.3	754.2	761.1	767.9	776.9	777.1
62.5°	683.0	717.6	723.6	732.1	742.1	743.1
63°	647.8	682.2	689.1	697.4	707.4	708.5
63.5°	613.7	648.4	654.4	662.6	673.5	674.0
64°	579.7	613.3	620.4	628.7	640.2	638.6
64.5°	547.3	580.3	585.9	595.6	607.7	604.8
65°	516.0	547.6	554.0	563.6	575.8	571.2
65.5°	483.8	515.4	521.7	531.9	544.0	538.1
66°	453.5	483.7	490.4	500.6	512.1	505.3
66.5°	423.6	453.1	459.4	470.3	481.5	473.5
67°	394.9	422.4	430.2	440.8	450.7	443.3



TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	366.9	393.6	400.7	412.5	421.2	414.5
68°	340.1	365.4	372.7	385.0	392.0	386.2
68.5°	314.4	338.1	345.8	358.1	363.6	358.2
69°	289.1	313.5	321.4	334.0	335.2	335.2
69.5°	264.9	288.9	296.9	309.5	311.3	310.1
70°	242.6	264.4	272.5	285.0	287.6	284.9
70.5°	221.7	239.9	248.1	260.5	263.9	259.7
71°	201.2	215.4	223.8	236.1	240.2	234.6
71.5°	182.5	195.0	203.7	215.4	219.7	214.0
72°	165.4	176.5	185.0	196.3	200.5	194.7
72.5°	149.9	159.9	167.2	178.2	182.4	176.5
73°	135.7	144.9	151.4	161.2	165.6	159.8
73.5°	123.8	131.9	137.5	146.6	150.3	143.9
74°	113.6	120.5	125.2	132.9	136.3	130.9
74.5°	105.3	111.1	114.9	121.3	124.6	121.4
75°	98.9	103.5	106.4	111.3	114.0	112.1
75.5°	94.3	98.1	100.0	103.2	105.1	104.4
76°	89.6	93.4	95.2	97.5	98.0	98.8
76.5°	85.2	88.7	90.5	92.7	92.9	93.9
77°	80.9	84.2	85.8	88.1	88.0	88.9
77.5°	76.5	79.8	81.5	83.5	83.4	84.4
78°	72.2	75.5	77.1	79.1	78.6	79.7
78.5°	67.8	71.2	72.8	74.6	74.1	75.1
79°	63.7	67.0	68.5	70.2	69.5	70.5
79.5°	59.6	62.8	64.4	65.9	65.1	66.2
80°	55.7	58.7	60.3	61.7	60.7	61.9
80.5°	51.8	55.0	56.4	57.7	56.6	57.7
81°	48.0	51.0	52.4	53.6	52.4	53.6
81.5°	44.2	47.1	48.6	49.5	48.3	49.4
82°	40.5	43.4	44.7	45.7	44.4	45.4
82.5°	36.9	39.8	41.1	41.8	40.4	41.5
83°	33.3	36.1	37.3	38.0	36.6	37.7
83.5°	29.8	32.6	33.6	34.5	33.3	33.8
84°	26.5	29.2	30.3	31.1	29.8	30.4
84.5°	23.0	25.8	26.9	27.8	26.3	27.0
85°	19.7	22.4	23.5	24.4	22.8	23.6
85.5°	16.5	19.0	20.1	21.0	19.3	20.2
86°	13.4	15.8	16.9	17.7	16.3	16.8
86.5°	10.4	12.6	13.6	14.6	13.4	13.9
87°	7.4	9.5	10.5	11.6	10.8	11.0
87.5°	4.4	6.4	7.4	8.7	8.4	8.7
88°	1.4	3.4	4.4	5.8	6.0	6.5
88.5°	0.3	2.6	3.5	2.8	3.7	4.3
89°	0.3	1.8	2.7	2.2	2.9	3.5
89.5°	0.3	1.1	1.9	1.6	2.1	2.7



TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**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	0.6	1.1
91°	0.3	0.3	0.3	0.4	0.5	0.3
91.5°	0.3	0.3	0.3	0.4	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	0.4	0.3
93.5°	0.3	0.3	0.3	0.3	0.3	0.4
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	0.4	0.3	0.3	0.3	0.4
96°	0.3	0.4	0.4	0.3	0.3	0.4
96.5°	0.3	0.4	0.4	0.3	0.4	0.4
97°	0.3	0.4	0.4	0.4	0.4	0.4
97.5°	0.3	0.4	0.4	0.4	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	0.5
99°	0.3	0.4	0.4	0.4	0.4	0.5
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	0.5	0.4	0.4	0.5	0.5
102°	0.3	0.5	0.4	0.4	0.5	0.5
102.5°	0.4	0.5	0.5	0.5	0.5	0.5
103°	0.4	0.5	0.5	0.5	0.5	0.5
103.5°	0.4	0.5	0.5	0.5	0.5	0.6
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	0.6	0.6
107°	0.4	0.6	0.5	0.5	0.6	0.6
107.5°	0.4	0.6	0.6	0.6	0.6	0.7
108°	0.4	0.6	0.6	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°	0.5	0.6	0.6	0.6	0.7	0.7
111°	0.5	0.6	0.6	0.6	0.7	0.8
111.5°	0.5	0.7	0.6	0.7	0.7	0.8
112°	0.5	0.7	0.7	0.7	0.7	0.8



TEST NUMBER: P640240

CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**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°	0.6	0.7	0.7	0.7	0.8	0.8
114.5°	0.6	0.7	0.7	0.7	0.8	0.9
115°	0.6	0.8	0.7	0.8	0.8	0.9
115.5°	0.6	0.8	0.8	0.8	0.8	0.9
116°	0.6	0.8	0.8	0.8	0.8	0.9
116.5°	0.6	0.8	0.8	0.8	0.8	0.9
117°	0.7	0.8	0.8	0.8	0.8	0.9
117.5°	0.7	0.8	0.8	0.8	0.9	1.0
118°	0.7	0.8	0.8	0.8	0.9	1.0
118.5°	0.7	0.9	0.9	0.9	0.9	1.0
119°	0.7	0.9	0.9	0.9	0.9	1.0
119.5°	0.7	0.9	0.9	0.9	0.9	1.0
120°	0.8	0.9	0.9	0.9	0.9	1.0
120.5°	0.8	0.9	0.9	0.9	1.0	1.1
121°	0.8	0.9	0.9	0.9	1.0	1.1
121.5°	0.8	1.0	0.9	1.0	1.0	1.1
122°	0.8	1.0	1.0	1.0	1.0	1.1
122.5°	0.8	1.0	1.0	1.0	1.0	1.1
123°	0.9	1.0	1.0	1.0	1.1	1.2
123.5°	0.9	1.0	1.0	1.0	1.1	1.2
124°	0.9	1.0	1.0	1.0	1.1	1.2
124.5°	0.9	1.1	1.1	1.1	1.1	1.2
125°	0.9	1.1	1.1	1.1	1.1	1.2
125.5°	1.0	1.1	1.1	1.1	1.1	1.3
126°	1.0	1.1	1.1	1.1	1.2	1.3
126.5°	1.0	1.1	1.1	1.1	1.2	1.3
127°	1.0	1.2	1.1	1.2	1.2	1.3
127.5°	1.0	1.2	1.2	1.2	1.2	1.3
128°	1.1	1.2	1.2	1.2	1.2	1.4
128.5°	1.1	1.2	1.2	1.2	1.3	1.4
129°	1.1	1.2	1.2	1.2	1.3	1.4
129.5°	1.1	1.2	1.2	1.2	1.3	1.4
130°	1.1	1.3	1.2	1.3	1.3	1.4
130.5°	1.2	1.3	1.3	1.3	1.3	1.5
131°	1.2	1.3	1.3	1.3	1.4	1.5
131.5°	1.2	1.3	1.3	1.3	1.4	1.5
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°	1.3	1.4	1.4	1.4	1.4	1.5
133.5°	1.3	1.4	1.4	1.4	1.4	1.6
134°	1.3	1.4	1.4	1.4	1.5	1.6
134.5°	1.3	1.4	1.4	1.4	1.5	1.6



TEST NUMBER: P640240  
 CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	1.3	1.4	1.4	1.4	1.5	1.6
135.5°	1.4	1.5	1.4	1.4	1.5	1.6
136°	1.4	1.5	1.5	1.5	1.5	1.6
136.5°	1.4	1.5	1.5	1.5	1.5	1.6
137°	1.4	1.5	1.5	1.5	1.5	1.6
137.5°	1.4	1.5	1.5	1.5	1.6	1.7
138°	1.5	1.5	1.5	1.5	1.6	1.7
138.5°	1.5	1.5	1.5	1.5	1.6	1.7
139°	1.5	1.5	1.5	1.5	1.6	1.7
139.5°	1.5	1.6	1.5	1.6	1.6	1.7
140°	1.5	1.6	1.6	1.6	1.6	1.7
140.5°	1.6	1.6	1.6	1.6	1.6	1.7
141°	1.6	1.6	1.6	1.6	1.6	1.7
141.5°	1.6	1.6	1.6	1.6	1.6	1.7
142°	1.6	1.6	1.6	1.6	1.6	1.7
142.5°	1.7	1.6	1.6	1.6	1.6	1.7
143°	1.7	1.6	1.6	1.6	1.7	1.7
143.5°	1.7	1.6	1.6	1.6	1.7	1.7
144°	1.7	1.7	1.7	1.7	1.7	1.7
144.5°	1.7	1.7	1.7	1.7	1.7	1.7
145°	1.8	1.7	1.7	1.7	1.7	1.7
145.5°	1.8	1.7	1.7	1.7	1.7	1.8
146°	1.8	1.7	1.7	1.7	1.7	1.8
146.5°	1.8	1.7	1.7	1.7	1.7	1.8
147°	1.8	1.7	1.7	1.7	1.8	1.8
147.5°	1.9	1.7	1.7	1.7	1.8	1.8
148°	1.9	1.8	1.8	1.8	1.8	1.8
148.5°	1.9	1.8	1.8	1.8	1.8	1.8
149°	1.9	1.8	1.8	1.8	1.8	1.8
149.5°	1.9	1.8	1.8	1.8	1.8	1.8
150°	2.0	1.8	1.8	1.8	1.8	1.9
150.5°	2.0	1.8	1.8	1.8	1.8	1.9
151°	2.0	1.8	1.8	1.8	1.9	1.9
151.5°	2.0	1.8	1.8	1.8	1.9	1.9
152°	2.0	1.8	1.8	1.8	1.9	1.9
152.5°	2.0	1.8	1.8	1.9	1.9	1.9
153°	2.1	1.8	1.8	1.9	1.9	1.9
153.5°	2.1	1.8	1.8	1.9	1.9	1.9
154°	2.1	1.8	1.9	1.9	1.9	1.9
154.5°	2.1	1.8	1.9	1.9	1.9	1.9
155°	2.1	1.8	1.9	1.9	1.9	1.9
155.5°	2.2	1.8	1.9	1.9	1.9	1.9
156°	2.2	1.9	1.9	1.9	1.9	1.9
156.5°	2.2	1.9	1.9	1.9	1.9	2.0
157°	2.2	1.9	1.9	1.9	1.9	2.0



TEST NUMBER: P640240  
 CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P640240  
CATALOG NUMBER: LCR880RD9FSE010-92W-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	2.4	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)