

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: P640244

Luminaire Tested: LCR880RD9FSE010-92W-6500K

Issue Date: 2/13/2023

Test Information

Test Method: LM-79-2019
Report Number: P640244
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-6500K
Description: LCR 8
Light Source: 6500K CCT, 93 CRI LEDS
Ballast/Driver: -

Summary

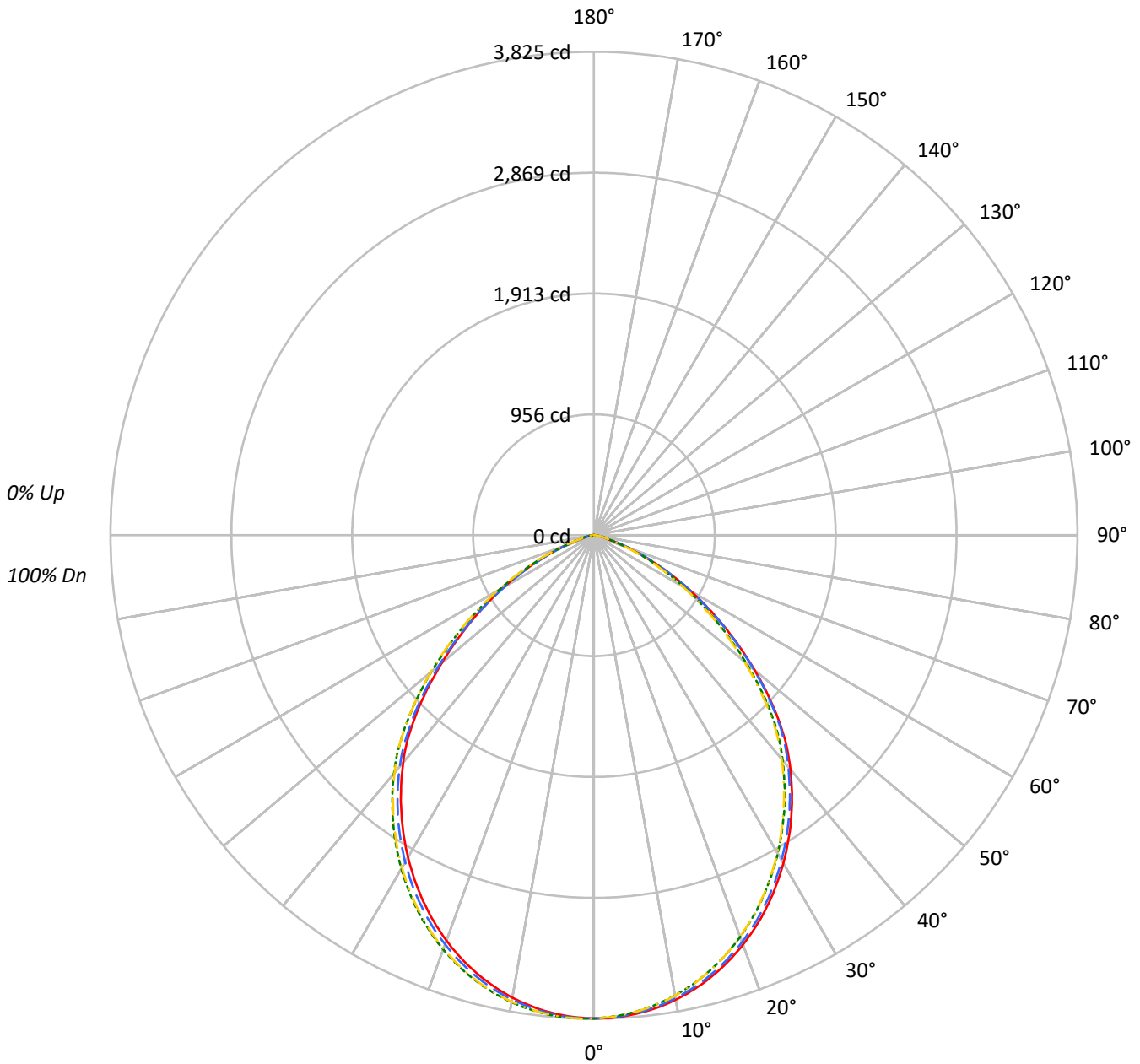
Lumens per Lamp: N/A
Luminaire Lumens: 7885.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.17 / 1.26
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 92.9
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: P640244
CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

Luminous Intensity Polar Plot



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



TEST NUMBER: P640244
 CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

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° | 117878 | 117878 | 117878 | 117878 |
| 5° | 117669 | 117140 | 117437 | 117991 |
| 10° | 116822 | 115748 | 116315 | 117476 |
| 15° | 115316 | 113694 | 114512 | 116303 |
| 20° | 113134 | 110955 | 111982 | 114447 |
| 25° | 110235 | 107564 | 108731 | 111854 |
| 30° | 106688 | 103519 | 104748 | 108497 |
| 35° | 102430 | 98865 | 100054 | 104278 |
| 40° | 97302 | 93462 | 94504 | 99041 |
| 45° | 90049 | 86128 | 86294 | 91283 |
| 50° | 79572 | 75370 | 75394 | 80422 |
| 55° | 67670 | 63422 | 63492 | 67815 |
| 60° | 54802 | 50905 | 50812 | 53834 |
| 65° | 40291 | 38139 | 36628 | 38635 |
| 70° | 24839 | 25091 | 21764 | 23045 |
| 75° | 12903 | 14476 | 11700 | 11926 |
| 80° | 10619 | 12129 | 9696 | 10087 |
| 85° | 8067 | 10862 | 6581 | 7678 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 292.5°
 Vertical Angle: 45°
 Luminance: 91496 cd/sqm



TEST NUMBER: P640244
 CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 360.2 | 4.6 |
| 10°-20° | 1014.1 | 12.9 |
| 20°-30° | 1481.5 | 18.8 |
| 30°-40° | 1681.8 | 21.3 |
| 40°-50° | 1555.5 | 19.7 |
| 50°-60° | 1091.6 | 13.8 |
| 60°-70° | 529.4 | 6.7 |
| 70°-80° | 136.2 | 1.7 |
| 80°-90° | 28.3 | 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° | 2855.8 | 36.2 |
| 0°-40° | 4537.5 | 57.5 |
| 0°-60° | 7184.7 | 91.1 |
| 0°-90° | 7878.7 | 99.9 |
| 90°-120° | 1.6 | 0.0 |
| 90°-150° | 4.6 | 0.1 |
| 90°-180° | 6.0 | 0.1 |
| 0°-180° | 7885.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 3823 | 3823 | 3823 | 3823 | 3823 | |
| 5° | 3801 | 3784 | 3794 | 3812 | 3801 | 361 |
| 15° | 3612 | 3561 | 3587 | 3643 | 3612 | 1017 |
| 25° | 3240 | 3161 | 3196 | 3288 | 3240 | 1490 |
| 35° | 2721 | 2626 | 2658 | 2770 | 2721 | 1699 |
| 45° | 2065 | 1975 | 1979 | 2093 | 2065 | 1584 |
| 55° | 1259 | 1180 | 1181 | 1261 | 1259 | 1127 |
| 65° | 552 | 523 | 502 | 530 | 552 | 554 |
| 75° | 108 | 122 | 98 | 100 | 108 | 136 |
| 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 | 1 | 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: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3822.7 | 3822.7 | 3822.7 | 3822.7 | 3822.7 | 3822.7 | 3822.7 | 3822.7 | 3822.7 | 3822.7 | 3822.7 |
| 0.5° | 3822.8 | 3822.6 | 3822.5 | 3821.9 | 3820.8 | 3821.0 | 3821.1 | 3821.7 | 3822.3 | 3823.2 | 3823.0 |
| 1° | 3822.5 | 3821.8 | 3821.2 | 3820.5 | 3818.4 | 3818.8 | 3819.2 | 3820.0 | 3820.9 | 3822.3 | 3822.6 |
| 1.5° | 3821.9 | 3820.0 | 3819.9 | 3818.3 | 3816.2 | 3816.2 | 3816.5 | 3817.9 | 3818.9 | 3821.3 | 3821.7 |
| 2° | 3820.6 | 3818.1 | 3817.9 | 3816.2 | 3812.9 | 3813.2 | 3814.2 | 3815.0 | 3817.0 | 3819.6 | 3820.3 |
| 2.5° | 3818.7 | 3815.4 | 3815.2 | 3812.8 | 3808.9 | 3809.4 | 3810.1 | 3811.8 | 3814.4 | 3817.5 | 3818.4 |
| 3° | 3815.8 | 3812.7 | 3812.4 | 3809.2 | 3805.3 | 3805.5 | 3806.1 | 3808.1 | 3811.5 | 3815.0 | 3815.8 |
| 3.5° | 3813.3 | 3808.9 | 3809.1 | 3805.3 | 3801.3 | 3800.7 | 3801.5 | 3803.9 | 3807.7 | 3812.1 | 3813.0 |
| 4° | 3809.9 | 3805.2 | 3805.0 | 3801.0 | 3796.0 | 3795.4 | 3796.4 | 3799.3 | 3803.5 | 3808.7 | 3809.4 |
| 4.5° | 3805.7 | 3800.9 | 3800.4 | 3796.0 | 3790.2 | 3789.9 | 3791.1 | 3794.3 | 3798.9 | 3804.4 | 3805.6 |
| 5° | 3801.4 | 3795.7 | 3795.3 | 3790.8 | 3784.3 | 3783.5 | 3785.5 | 3788.5 | 3793.9 | 3799.8 | 3801.1 |
| 5.5° | 3796.6 | 3790.4 | 3789.8 | 3784.6 | 3777.5 | 3776.9 | 3778.3 | 3782.2 | 3788.3 | 3794.9 | 3796.4 |
| 6° | 3791.4 | 3784.6 | 3783.9 | 3777.9 | 3770.3 | 3769.8 | 3771.4 | 3775.4 | 3782.1 | 3789.2 | 3791.1 |
| 6.5° | 3785.5 | 3777.9 | 3777.4 | 3771.3 | 3763.0 | 3762.1 | 3763.8 | 3768.6 | 3775.1 | 3783.1 | 3785.3 |
| 7° | 3779.2 | 3771.4 | 3770.4 | 3764.3 | 3754.9 | 3754.0 | 3756.0 | 3760.8 | 3768.3 | 3776.7 | 3778.5 |
| 7.5° | 3772.6 | 3764.0 | 3762.9 | 3756.5 | 3746.9 | 3745.1 | 3747.5 | 3752.6 | 3760.4 | 3769.9 | 3771.3 |
| 8° | 3765.5 | 3756.4 | 3754.8 | 3747.9 | 3737.4 | 3736.3 | 3738.5 | 3744.3 | 3752.1 | 3762.4 | 3764.1 |
| 8.5° | 3757.7 | 3747.5 | 3747.2 | 3738.9 | 3727.4 | 3727.2 | 3729.3 | 3734.7 | 3743.7 | 3754.2 | 3756.6 |
| 9° | 3749.2 | 3739.3 | 3737.9 | 3729.2 | 3717.9 | 3717.0 | 3719.1 | 3725.3 | 3734.6 | 3745.6 | 3748.2 |
| 9.5° | 3740.3 | 3729.8 | 3728.7 | 3719.5 | 3707.4 | 3706.6 | 3708.8 | 3714.5 | 3724.7 | 3736.9 | 3739.1 |
| 10° | 3730.9 | 3720.2 | 3718.3 | 3709.7 | 3696.6 | 3695.4 | 3697.5 | 3704.1 | 3714.7 | 3727.0 | 3730.3 |
| 10.5° | 3721.4 | 3709.4 | 3708.5 | 3699.0 | 3685.1 | 3683.9 | 3686.2 | 3693.3 | 3703.6 | 3717.2 | 3720.3 |
| 11° | 3711.1 | 3698.9 | 3697.4 | 3687.6 | 3673.0 | 3671.7 | 3674.2 | 3681.4 | 3693.1 | 3706.7 | 3710.1 |
| 11.5° | 3700.4 | 3687.5 | 3686.4 | 3675.9 | 3661.0 | 3659.2 | 3662.1 | 3669.3 | 3681.0 | 3695.7 | 3699.3 |
| 12° | 3689.1 | 3676.2 | 3674.6 | 3663.7 | 3648.4 | 3646.4 | 3649.3 | 3656.6 | 3669.1 | 3684.4 | 3687.6 |
| 12.5° | 3677.8 | 3663.4 | 3662.5 | 3651.0 | 3635.3 | 3633.2 | 3636.0 | 3643.8 | 3656.4 | 3672.6 | 3676.2 |
| 13° | 3665.6 | 3651.1 | 3649.8 | 3637.8 | 3621.3 | 3619.4 | 3622.6 | 3630.4 | 3643.7 | 3660.4 | 3663.8 |
| 13.5° | 3652.5 | 3638.1 | 3636.9 | 3624.4 | 3606.8 | 3605.0 | 3607.6 | 3616.4 | 3629.9 | 3647.2 | 3651.2 |
| 14° | 3639.7 | 3624.6 | 3623.5 | 3610.2 | 3592.0 | 3589.7 | 3592.9 | 3601.7 | 3615.9 | 3634.1 | 3638.1 |
| 14.5° | 3626.1 | 3610.9 | 3609.0 | 3595.9 | 3577.2 | 3574.5 | 3577.5 | 3586.3 | 3601.5 | 3620.2 | 3624.4 |
| 15° | 3612.2 | 3596.5 | 3594.5 | 3581.1 | 3561.4 | 3558.5 | 3561.6 | 3570.9 | 3587.0 | 3605.1 | 3610.7 |
| 15.5° | 3597.5 | 3581.0 | 3579.5 | 3565.2 | 3545.1 | 3542.5 | 3545.5 | 3555.0 | 3571.0 | 3590.8 | 3596.0 |
| 16° | 3583.0 | 3565.8 | 3564.1 | 3549.7 | 3528.8 | 3526.4 | 3528.8 | 3538.9 | 3555.4 | 3575.5 | 3580.9 |
| 16.5° | 3567.1 | 3550.3 | 3548.4 | 3532.8 | 3512.0 | 3508.8 | 3511.9 | 3522.2 | 3539.2 | 3559.8 | 3565.3 |
| 17° | 3551.6 | 3534.0 | 3532.1 | 3516.4 | 3494.9 | 3491.6 | 3494.7 | 3505.0 | 3522.4 | 3543.7 | 3549.4 |
| 17.5° | 3535.0 | 3517.2 | 3515.2 | 3499.5 | 3477.0 | 3473.3 | 3476.7 | 3486.9 | 3505.0 | 3526.6 | 3533.4 |
| 18° | 3518.4 | 3499.8 | 3497.9 | 3481.9 | 3458.4 | 3455.2 | 3458.3 | 3468.8 | 3486.9 | 3509.4 | 3516.0 |
| 18.5° | 3501.2 | 3482.0 | 3480.3 | 3463.8 | 3439.8 | 3436.4 | 3439.2 | 3449.9 | 3469.2 | 3491.8 | 3498.9 |
| 19° | 3483.9 | 3464.3 | 3462.1 | 3444.8 | 3420.8 | 3417.3 | 3419.7 | 3431.5 | 3450.9 | 3474.3 | 3481.0 |
| 19.5° | 3465.8 | 3446.1 | 3444.2 | 3426.2 | 3401.0 | 3397.6 | 3400.8 | 3411.8 | 3431.2 | 3455.9 | 3463.2 |
| 20° | 3447.6 | 3427.5 | 3425.0 | 3407.1 | 3381.2 | 3377.4 | 3380.4 | 3391.7 | 3412.5 | 3436.8 | 3444.2 |
| 20.5° | 3428.7 | 3407.8 | 3405.8 | 3387.4 | 3361.3 | 3356.8 | 3360.0 | 3371.5 | 3392.1 | 3417.6 | 3425.1 |
| 21° | 3409.0 | 3388.2 | 3386.2 | 3367.3 | 3340.6 | 3336.2 | 3338.9 | 3350.8 | 3372.3 | 3398.2 | 3405.9 |
| 21.5° | 3389.4 | 3368.7 | 3366.1 | 3346.4 | 3319.6 | 3315.0 | 3317.9 | 3329.5 | 3350.8 | 3377.1 | 3386.0 |
| 22° | 3369.3 | 3348.0 | 3345.2 | 3326.0 | 3297.6 | 3293.3 | 3296.7 | 3307.9 | 3330.2 | 3356.9 | 3365.1 |



TEST NUMBER: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 22.5° | 3348.9 | 3327.2 | 3324.5 | 3304.5 | 3275.8 | 3271.4 | 3274.2 | 3286.1 | 3308.2 | 3336.2 | 3344.9 |
| 23° | 3328.0 | 3306.2 | 3303.5 | 3283.0 | 3254.1 | 3249.2 | 3251.6 | 3264.2 | 3287.1 | 3315.6 | 3323.2 |
| 23.5° | 3306.6 | 3284.1 | 3282.2 | 3260.6 | 3231.8 | 3226.4 | 3228.9 | 3241.4 | 3264.3 | 3292.9 | 3301.7 |
| 24° | 3285.0 | 3261.8 | 3260.3 | 3238.3 | 3208.6 | 3203.6 | 3206.1 | 3218.3 | 3241.6 | 3270.6 | 3279.6 |
| 24.5° | 3262.4 | 3239.6 | 3237.7 | 3215.8 | 3184.9 | 3179.9 | 3182.6 | 3195.1 | 3218.6 | 3248.0 | 3257.5 |
| 25° | 3239.9 | 3217.1 | 3214.6 | 3192.7 | 3161.4 | 3156.1 | 3158.6 | 3171.1 | 3195.7 | 3225.3 | 3234.4 |
| 25.5° | 3217.4 | 3193.7 | 3191.7 | 3168.7 | 3137.3 | 3132.2 | 3134.6 | 3147.0 | 3171.6 | 3202.2 | 3211.6 |
| 26° | 3194.4 | 3170.3 | 3168.2 | 3145.2 | 3113.7 | 3107.7 | 3110.2 | 3123.0 | 3147.2 | 3178.2 | 3187.9 |
| 26.5° | 3170.8 | 3147.0 | 3144.0 | 3121.5 | 3088.6 | 3083.0 | 3085.0 | 3098.0 | 3122.9 | 3154.3 | 3164.3 |
| 27° | 3146.7 | 3122.8 | 3120.2 | 3096.9 | 3063.2 | 3057.7 | 3059.7 | 3072.9 | 3098.3 | 3129.8 | 3139.7 |
| 27.5° | 3122.1 | 3098.4 | 3095.8 | 3071.5 | 3038.1 | 3032.4 | 3034.1 | 3047.7 | 3072.7 | 3105.4 | 3115.3 |
| 28° | 3097.7 | 3073.3 | 3071.1 | 3047.3 | 3012.6 | 3006.8 | 3008.2 | 3021.8 | 3047.0 | 3080.0 | 3090.0 |
| 28.5° | 3072.9 | 3048.0 | 3045.6 | 3021.1 | 2986.9 | 2980.2 | 2982.2 | 2995.3 | 3021.2 | 3053.9 | 3064.3 |
| 29° | 3047.5 | 3022.8 | 3020.5 | 2995.8 | 2960.1 | 2954.0 | 2955.8 | 2969.1 | 2995.4 | 3028.2 | 3038.3 |
| 29.5° | 3022.2 | 2997.2 | 2995.3 | 2969.8 | 2934.4 | 2927.4 | 2929.0 | 2942.6 | 2968.8 | 3002.4 | 3012.2 |
| 30° | 2996.3 | 2970.9 | 2968.6 | 2943.5 | 2907.3 | 2900.5 | 2902.0 | 2915.6 | 2941.8 | 2975.7 | 2986.1 |
| 30.5° | 2970.4 | 2944.9 | 2942.5 | 2917.0 | 2880.4 | 2873.3 | 2874.8 | 2888.2 | 2914.7 | 2948.7 | 2959.3 |
| 31° | 2944.1 | 2918.1 | 2916.1 | 2890.1 | 2853.4 | 2845.8 | 2847.4 | 2860.5 | 2887.2 | 2921.6 | 2931.8 |
| 31.5° | 2916.7 | 2891.0 | 2888.9 | 2863.2 | 2825.5 | 2817.9 | 2819.4 | 2832.9 | 2859.2 | 2894.3 | 2904.5 |
| 32° | 2889.5 | 2863.4 | 2861.8 | 2835.5 | 2798.8 | 2790.1 | 2791.1 | 2804.9 | 2831.4 | 2866.8 | 2877.0 |
| 32.5° | 2862.7 | 2836.7 | 2835.0 | 2807.9 | 2770.0 | 2762.3 | 2763.2 | 2777.0 | 2803.7 | 2839.1 | 2849.2 |
| 33° | 2834.3 | 2808.6 | 2806.6 | 2780.6 | 2741.8 | 2733.8 | 2734.6 | 2747.9 | 2775.4 | 2810.1 | 2820.5 |
| 33.5° | 2807.1 | 2780.6 | 2778.9 | 2752.3 | 2713.4 | 2705.2 | 2706.5 | 2718.7 | 2746.6 | 2781.8 | 2791.7 |
| 34° | 2778.8 | 2752.0 | 2750.8 | 2724.2 | 2684.3 | 2676.5 | 2676.8 | 2689.9 | 2717.4 | 2752.8 | 2762.5 |
| 34.5° | 2749.8 | 2723.7 | 2722.5 | 2695.6 | 2656.1 | 2647.5 | 2647.7 | 2660.3 | 2687.5 | 2723.6 | 2733.2 |
| 35° | 2721.0 | 2695.2 | 2693.6 | 2667.0 | 2626.3 | 2617.6 | 2617.9 | 2630.8 | 2657.9 | 2694.5 | 2704.0 |
| 35.5° | 2692.2 | 2665.8 | 2664.5 | 2636.9 | 2597.6 | 2587.9 | 2588.7 | 2600.9 | 2628.3 | 2664.1 | 2674.0 |
| 36° | 2663.2 | 2636.6 | 2635.3 | 2608.2 | 2567.7 | 2558.4 | 2558.2 | 2571.1 | 2598.6 | 2634.1 | 2643.5 |
| 36.5° | 2633.0 | 2607.1 | 2605.8 | 2578.3 | 2537.7 | 2528.5 | 2527.9 | 2540.8 | 2568.0 | 2603.6 | 2612.5 |
| 37° | 2602.7 | 2577.2 | 2576.2 | 2548.9 | 2507.2 | 2497.7 | 2497.4 | 2509.8 | 2536.7 | 2572.8 | 2581.8 |
| 37.5° | 2572.7 | 2547.0 | 2545.7 | 2518.4 | 2477.2 | 2467.5 | 2466.7 | 2479.3 | 2506.1 | 2542.7 | 2550.7 |
| 38° | 2542.2 | 2515.6 | 2515.3 | 2487.8 | 2445.9 | 2436.1 | 2435.4 | 2447.9 | 2474.9 | 2510.5 | 2519.6 |
| 38.5° | 2511.6 | 2485.1 | 2484.7 | 2457.1 | 2415.5 | 2406.3 | 2405.3 | 2416.3 | 2443.6 | 2479.3 | 2487.2 |
| 39° | 2480.3 | 2454.8 | 2454.2 | 2426.4 | 2384.2 | 2374.3 | 2373.5 | 2385.0 | 2412.3 | 2447.8 | 2455.6 |
| 39.5° | 2448.9 | 2423.5 | 2423.7 | 2396.1 | 2353.9 | 2343.4 | 2341.9 | 2353.4 | 2380.0 | 2416.5 | 2423.5 |
| 40° | 2417.2 | 2391.9 | 2392.1 | 2364.7 | 2321.8 | 2311.7 | 2309.7 | 2321.8 | 2347.7 | 2383.9 | 2390.9 |
| 40.5° | 2385.9 | 2360.0 | 2360.6 | 2332.5 | 2290.5 | 2280.7 | 2278.6 | 2289.1 | 2315.9 | 2351.0 | 2357.7 |
| 41° | 2354.4 | 2328.7 | 2329.2 | 2301.5 | 2258.9 | 2249.1 | 2246.4 | 2256.6 | 2283.0 | 2317.3 | 2322.8 |
| 41.5° | 2321.5 | 2296.8 | 2297.8 | 2269.8 | 2227.3 | 2216.9 | 2214.3 | 2224.5 | 2249.6 | 2283.4 | 2285.9 |
| 42° | 2289.0 | 2264.3 | 2266.0 | 2238.1 | 2194.7 | 2184.5 | 2180.7 | 2189.3 | 2212.2 | 2245.8 | 2248.7 |
| 42.5° | 2254.8 | 2231.7 | 2233.2 | 2205.8 | 2162.0 | 2150.8 | 2145.6 | 2152.8 | 2175.2 | 2208.6 | 2210.4 |
| 43° | 2218.7 | 2195.3 | 2200.4 | 2172.4 | 2126.7 | 2114.7 | 2108.7 | 2115.4 | 2136.9 | 2170.5 | 2171.6 |
| 43.5° | 2181.7 | 2158.0 | 2166.2 | 2138.0 | 2089.9 | 2078.2 | 2071.4 | 2076.8 | 2099.9 | 2131.6 | 2131.5 |
| 44° | 2142.9 | 2120.2 | 2128.6 | 2100.8 | 2052.3 | 2038.7 | 2031.0 | 2036.7 | 2058.1 | 2091.2 | 2092.1 |
| 44.5° | 2104.3 | 2081.8 | 2089.7 | 2063.5 | 2014.0 | 2000.4 | 1992.3 | 1997.0 | 2019.2 | 2052.7 | 2052.2 |



TEST NUMBER: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 45° | 2064.9 | 2041.7 | 2051.4 | 2024.4 | 1975.0 | 1961.6 | 1951.7 | 1957.0 | 1978.8 | 2011.7 | 2011.8 |
| 45.5° | 2025.9 | 2002.3 | 2012.4 | 1986.7 | 1935.8 | 1921.6 | 1911.5 | 1917.1 | 1939.3 | 1971.7 | 1971.2 |
| 46° | 1985.9 | 1961.5 | 1971.6 | 1946.2 | 1896.1 | 1881.2 | 1871.5 | 1876.1 | 1898.0 | 1930.6 | 1930.4 |
| 46.5° | 1944.7 | 1922.2 | 1933.7 | 1906.0 | 1856.2 | 1840.1 | 1831.4 | 1835.6 | 1857.4 | 1890.5 | 1888.7 |
| 47° | 1904.4 | 1882.0 | 1892.5 | 1865.5 | 1815.6 | 1800.0 | 1790.8 | 1794.8 | 1816.7 | 1848.8 | 1848.2 |
| 47.5° | 1863.6 | 1840.6 | 1852.3 | 1825.3 | 1774.4 | 1759.5 | 1750.1 | 1754.2 | 1775.9 | 1807.3 | 1806.2 |
| 48° | 1823.2 | 1800.0 | 1812.1 | 1784.3 | 1734.4 | 1718.1 | 1709.4 | 1713.3 | 1734.1 | 1765.7 | 1764.7 |
| 48.5° | 1782.2 | 1759.0 | 1771.8 | 1744.8 | 1694.0 | 1678.2 | 1669.7 | 1673.2 | 1693.6 | 1726.0 | 1723.1 |
| 49° | 1741.2 | 1719.1 | 1730.5 | 1703.2 | 1652.9 | 1637.7 | 1629.2 | 1633.2 | 1652.4 | 1684.2 | 1680.8 |
| 49.5° | 1699.8 | 1679.0 | 1689.9 | 1663.0 | 1612.1 | 1597.5 | 1588.4 | 1593.0 | 1611.7 | 1642.8 | 1639.7 |
| 50° | 1658.7 | 1637.3 | 1649.4 | 1621.8 | 1571.1 | 1557.4 | 1548.3 | 1552.8 | 1571.6 | 1601.8 | 1597.6 |
| 50.5° | 1617.8 | 1595.9 | 1609.2 | 1582.1 | 1530.6 | 1516.2 | 1508.5 | 1512.0 | 1531.4 | 1560.6 | 1556.5 |
| 51° | 1577.4 | 1556.6 | 1568.5 | 1540.7 | 1490.5 | 1477.6 | 1469.2 | 1472.8 | 1491.4 | 1519.4 | 1515.3 |
| 51.5° | 1536.4 | 1515.7 | 1528.6 | 1500.7 | 1450.4 | 1437.0 | 1429.6 | 1433.7 | 1451.4 | 1479.0 | 1474.5 |
| 52° | 1496.5 | 1476.9 | 1487.1 | 1460.3 | 1410.7 | 1398.0 | 1390.1 | 1395.0 | 1411.7 | 1439.1 | 1432.3 |
| 52.5° | 1456.5 | 1436.4 | 1448.3 | 1421.3 | 1370.9 | 1358.0 | 1350.9 | 1355.7 | 1372.2 | 1398.8 | 1391.9 |
| 53° | 1416.3 | 1396.6 | 1408.6 | 1381.8 | 1332.1 | 1318.8 | 1312.9 | 1316.9 | 1333.7 | 1358.8 | 1351.6 |
| 53.5° | 1375.9 | 1356.6 | 1368.9 | 1342.2 | 1293.9 | 1280.6 | 1274.3 | 1278.4 | 1295.1 | 1319.1 | 1310.3 |
| 54° | 1335.9 | 1318.1 | 1329.6 | 1302.6 | 1255.3 | 1242.4 | 1235.6 | 1241.0 | 1256.1 | 1279.3 | 1270.7 |
| 54.5° | 1296.7 | 1279.1 | 1289.8 | 1264.4 | 1216.4 | 1204.6 | 1197.7 | 1203.2 | 1218.2 | 1240.3 | 1230.5 |
| 55° | 1258.7 | 1240.9 | 1252.0 | 1226.6 | 1179.7 | 1166.7 | 1161.4 | 1166.5 | 1181.0 | 1201.9 | 1190.8 |
| 55.5° | 1219.4 | 1202.5 | 1213.7 | 1188.8 | 1142.2 | 1129.1 | 1123.2 | 1128.6 | 1143.3 | 1162.5 | 1151.4 |
| 56° | 1181.9 | 1164.7 | 1175.5 | 1150.1 | 1105.6 | 1093.2 | 1087.0 | 1092.0 | 1106.5 | 1124.6 | 1111.7 |
| 56.5° | 1143.6 | 1127.1 | 1138.1 | 1112.9 | 1068.5 | 1055.8 | 1050.2 | 1055.6 | 1069.2 | 1086.7 | 1073.3 |
| 57° | 1105.9 | 1090.3 | 1100.1 | 1076.8 | 1033.1 | 1020.5 | 1015.1 | 1020.2 | 1032.9 | 1049.5 | 1035.3 |
| 57.5° | 1067.9 | 1052.4 | 1062.9 | 1040.0 | 996.6 | 983.9 | 978.8 | 984.5 | 997.3 | 1012.8 | 997.4 |
| 58° | 1032.1 | 1016.0 | 1026.6 | 1004.1 | 961.8 | 950.4 | 944.3 | 948.8 | 962.2 | 975.8 | 960.2 |
| 58.5° | 995.7 | 980.1 | 990.9 | 968.3 | 927.8 | 915.2 | 910.3 | 914.6 | 926.9 | 939.9 | 922.2 |
| 59° | 959.0 | 944.3 | 955.0 | 932.8 | 893.1 | 881.2 | 875.5 | 881.3 | 892.3 | 905.1 | 885.6 |
| 59.5° | 923.4 | 908.9 | 919.7 | 898.6 | 859.1 | 847.3 | 841.2 | 846.9 | 857.8 | 869.2 | 849.6 |
| 60° | 888.6 | 874.1 | 884.6 | 864.6 | 825.4 | 814.7 | 808.1 | 812.8 | 823.9 | 834.4 | 814.4 |
| 60.5° | 853.5 | 839.2 | 850.5 | 831.1 | 793.2 | 781.0 | 776.1 | 780.1 | 790.9 | 800.0 | 779.4 |
| 61° | 819.1 | 805.4 | 816.4 | 797.1 | 761.4 | 750.3 | 745.0 | 749.0 | 759.1 | 766.9 | 746.1 |
| 61.5° | 784.9 | 772.2 | 783.0 | 764.4 | 730.2 | 719.6 | 713.8 | 717.8 | 726.5 | 734.1 | 712.9 |
| 62° | 751.3 | 739.1 | 749.9 | 732.8 | 699.1 | 688.9 | 682.7 | 686.7 | 693.9 | 701.4 | 679.6 |
| 62.5° | 718.5 | 706.0 | 717.4 | 700.6 | 668.0 | 658.2 | 651.5 | 655.5 | 661.2 | 668.7 | 646.3 |
| 63° | 685.1 | 674.0 | 685.8 | 669.9 | 636.8 | 627.6 | 620.4 | 624.4 | 628.7 | 636.0 | 613.0 |
| 63.5° | 651.7 | 642.5 | 654.5 | 639.4 | 608.7 | 597.8 | 591.4 | 593.9 | 596.4 | 604.9 | 580.7 |
| 64° | 617.5 | 611.3 | 623.7 | 609.4 | 579.0 | 569.0 | 562.3 | 564.5 | 563.8 | 574.0 | 549.3 |
| 64.5° | 584.8 | 580.0 | 592.9 | 579.4 | 550.6 | 540.4 | 533.6 | 535.5 | 532.1 | 542.4 | 520.2 |
| 65° | 552.2 | 550.0 | 563.6 | 551.6 | 522.7 | 513.7 | 505.9 | 507.2 | 502.0 | 512.1 | 489.2 |
| 65.5° | 520.3 | 520.0 | 534.9 | 523.0 | 495.3 | 485.6 | 478.3 | 477.8 | 471.5 | 481.4 | 459.7 |
| 66° | 488.6 | 490.3 | 506.5 | 495.2 | 468.1 | 459.1 | 452.1 | 449.6 | 442.3 | 452.3 | 431.1 |
| 66.5° | 457.8 | 461.5 | 478.1 | 468.3 | 441.7 | 432.9 | 425.4 | 422.1 | 414.2 | 423.0 | 404.6 |
| 67° | 428.7 | 433.2 | 451.9 | 442.3 | 416.4 | 408.5 | 400.2 | 395.3 | 387.5 | 395.8 | 376.8 |



TEST NUMBER: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 400.7 | 405.5 | 425.1 | 416.0 | 391.6 | 383.2 | 376.1 | 368.6 | 360.8 | 368.5 | 350.6 |
| 68° | 373.4 | 379.4 | 399.5 | 391.4 | 367.4 | 359.3 | 351.7 | 343.3 | 335.0 | 343.1 | 325.6 |
| 68.5° | 346.3 | 353.8 | 374.4 | 367.2 | 344.3 | 336.5 | 329.2 | 319.3 | 310.5 | 318.0 | 301.8 |
| 69° | 324.1 | 328.4 | 350.4 | 343.5 | 321.2 | 314.1 | 306.7 | 296.4 | 286.7 | 294.2 | 277.5 |
| 69.5° | 299.8 | 305.9 | 326.5 | 326.0 | 299.4 | 292.4 | 284.9 | 274.2 | 263.3 | 271.1 | 255.4 |
| 70° | 275.5 | 283.5 | 305.0 | 303.7 | 278.3 | 271.4 | 264.9 | 253.1 | 241.4 | 249.2 | 233.7 |
| 70.5° | 251.1 | 261.0 | 283.6 | 281.4 | 258.2 | 251.7 | 244.6 | 233.2 | 221.0 | 227.8 | 213.7 |
| 71° | 226.8 | 238.6 | 262.1 | 259.0 | 239.0 | 233.0 | 226.1 | 214.5 | 201.6 | 208.2 | 194.2 |
| 71.5° | 206.9 | 219.2 | 240.7 | 236.7 | 220.1 | 214.7 | 207.9 | 196.7 | 182.8 | 189.7 | 176.8 |
| 72° | 188.2 | 200.6 | 222.0 | 218.0 | 202.6 | 197.5 | 191.0 | 179.9 | 165.8 | 172.2 | 160.1 |
| 72.5° | 170.7 | 183.5 | 204.2 | 200.9 | 186.2 | 181.4 | 175.2 | 164.5 | 150.0 | 156.1 | 145.2 |
| 73° | 154.5 | 167.6 | 187.5 | 184.5 | 170.7 | 166.2 | 160.2 | 149.9 | 135.4 | 141.7 | 131.3 |
| 73.5° | 139.2 | 153.0 | 171.4 | 168.8 | 156.7 | 152.4 | 146.6 | 136.9 | 123.6 | 128.9 | 119.8 |
| 74° | 126.5 | 139.8 | 157.3 | 154.8 | 143.5 | 139.8 | 134.3 | 125.3 | 114.3 | 117.6 | 109.3 |
| 74.5° | 117.4 | 128.5 | 143.8 | 142.4 | 131.9 | 128.4 | 122.9 | 114.9 | 105.2 | 107.7 | 100.9 |
| 75° | 108.3 | 117.7 | 131.9 | 130.8 | 121.5 | 118.0 | 113.0 | 105.9 | 98.2 | 99.4 | 94.7 |
| 75.5° | 100.9 | 108.7 | 121.2 | 120.6 | 112.5 | 109.1 | 104.5 | 98.1 | 93.2 | 93.1 | 90.2 |
| 76° | 95.6 | 100.4 | 111.9 | 111.5 | 104.7 | 101.7 | 97.7 | 92.3 | 88.6 | 88.3 | 85.6 |
| 76.5° | 90.8 | 94.5 | 103.6 | 103.6 | 98.6 | 96.2 | 92.9 | 87.6 | 84.2 | 83.9 | 81.4 |
| 77° | 85.9 | 89.5 | 97.4 | 97.8 | 93.8 | 91.8 | 88.4 | 83.2 | 79.8 | 79.5 | 77.1 |
| 77.5° | 81.6 | 84.9 | 92.7 | 93.2 | 89.5 | 87.5 | 84.2 | 78.9 | 75.4 | 75.1 | 72.8 |
| 78° | 77.1 | 80.4 | 88.2 | 88.9 | 85.1 | 83.3 | 80.0 | 74.5 | 71.0 | 70.7 | 68.5 |
| 78.5° | 72.6 | 75.9 | 83.9 | 84.4 | 80.9 | 79.1 | 75.8 | 70.1 | 66.7 | 66.3 | 64.6 |
| 79° | 68.2 | 71.5 | 79.5 | 80.2 | 76.7 | 75.0 | 71.6 | 65.7 | 62.5 | 62.2 | 60.5 |
| 79.5° | 64.0 | 67.2 | 75.2 | 76.0 | 72.5 | 70.8 | 67.4 | 61.6 | 58.5 | 58.2 | 56.6 |
| 80° | 59.8 | 62.9 | 70.9 | 71.8 | 68.3 | 66.7 | 63.4 | 57.5 | 54.6 | 54.2 | 52.8 |
| 80.5° | 55.8 | 58.8 | 66.8 | 67.7 | 64.3 | 62.7 | 59.4 | 53.6 | 50.7 | 50.3 | 49.0 |
| 81° | 51.8 | 54.7 | 62.8 | 63.7 | 60.4 | 58.9 | 55.5 | 49.7 | 46.9 | 46.5 | 45.2 |
| 81.5° | 47.8 | 50.7 | 58.8 | 59.7 | 56.4 | 55.0 | 51.5 | 45.9 | 43.0 | 42.7 | 41.6 |
| 82° | 43.9 | 46.7 | 54.7 | 55.8 | 52.6 | 51.2 | 47.7 | 42.1 | 39.4 | 39.0 | 38.1 |
| 82.5° | 40.1 | 42.9 | 50.8 | 52.0 | 48.8 | 47.5 | 44.1 | 38.4 | 35.7 | 35.3 | 34.6 |
| 83° | 36.4 | 39.0 | 47.0 | 48.2 | 45.1 | 43.7 | 40.3 | 34.6 | 32.1 | 31.7 | 31.2 |
| 83.5° | 32.7 | 35.3 | 43.2 | 44.4 | 41.5 | 40.1 | 36.7 | 31.1 | 28.6 | 28.2 | 27.9 |
| 84° | 29.4 | 32.1 | 39.5 | 40.8 | 37.8 | 36.5 | 33.2 | 27.5 | 25.1 | 24.7 | 24.8 |
| 84.5° | 26.1 | 28.7 | 35.9 | 37.2 | 34.3 | 33.0 | 29.7 | 24.3 | 21.8 | 21.7 | 21.6 |
| 85° | 22.8 | 25.3 | 32.3 | 33.7 | 30.7 | 29.5 | 26.3 | 21.1 | 18.6 | 18.9 | 18.5 |
| 85.5° | 19.5 | 21.9 | 29.0 | 30.3 | 27.3 | 26.1 | 23.0 | 18.1 | 16.0 | 15.8 | 15.5 |
| 86° | 16.2 | 18.5 | 25.8 | 26.9 | 23.9 | 22.8 | 19.9 | 15.2 | 13.1 | 13.0 | 12.7 |
| 86.5° | 13.4 | 15.4 | 22.5 | 23.5 | 20.6 | 19.5 | 16.8 | 12.8 | 10.9 | 10.6 | 9.9 |
| 87° | 10.6 | 12.6 | 19.2 | 20.2 | 17.4 | 16.2 | 13.9 | 10.4 | 8.6 | 8.3 | 7.0 |
| 87.5° | 8.4 | 10.2 | 16.1 | 16.8 | 14.3 | 13.2 | 11.0 | 8.0 | 6.4 | 6.0 | 4.2 |
| 88° | 6.3 | 7.8 | 13.0 | 13.5 | 11.2 | 10.2 | 8.1 | 5.5 | 4.2 | 3.7 | 1.4 |
| 88.5° | 4.1 | 5.5 | 10.1 | 10.4 | 8.1 | 7.2 | 5.2 | 3.1 | 2.0 | 1.5 | 0.3 |
| 89° | 3.4 | 3.2 | 7.1 | 7.3 | 5.0 | 4.2 | 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: P640244
 CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-----|-------|-----|-------|-----|--------|------|--------|------|--------|------|
| 90° | 1.8 | 1.8 | 3.4 | 3.4 | 0.4 | 0.3 | 0.4 | 0.5 | 0.4 | 0.4 | 0.3 |
| 90.5° | 1.1 | 1.1 | 2.6 | 2.6 | 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 | 0.4 | 0.4 | 0.4 | 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: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

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 | 0.8 | 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 | 0.7 | 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 | 1.0 | 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 | 1.1 | 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 | 1.2 | 1.3 | 1.4 | 1.3 | 1.2 |
| 133.5° | 1.5 | 1.5 | 1.4 | 1.4 | 1.3 | 1.2 | 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 | 1.3 | 1.4 | 1.4 | 1.3 |



TEST NUMBER: P640244
 CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

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 | 1.4 | 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 | 1.4 | 1.3 | 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 | 1.5 | 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 | 1.6 | 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 | 1.7 | 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 | 1.9 | 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° | 1.8 | 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 | 1.8 | 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 | 2.1 | 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: P640244
 CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

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 | 2.1 | 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 | 2.2 | 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 | 2.2 | 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 | 1.9 | 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° | 2.0 | 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 | 2.0 | 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 | 2.3 | 2.3 |
| 177° | 2.1 | 2.1 | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 |
| 177.5° | 2.2 | 2.2 | 2.1 | 2.1 | 2.4 | 2.4 | 2.3 | 2.4 | 2.3 | 2.3 | 2.3 |
| 178° | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 178.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 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: P640244
CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

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: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|--------|--------|--------|--------|--------|
| 0° | 3822.7 | 3822.7 | 3822.7 | 3822.7 | 3822.7 | 3822.7 |
| 0.5° | 3823.3 | 3823.9 | 3823.9 | 3823.7 | 3823.3 | 3822.8 |
| 1° | 3823.2 | 3824.4 | 3824.8 | 3824.3 | 3823.4 | 3822.5 |
| 1.5° | 3822.9 | 3824.6 | 3824.9 | 3824.2 | 3823.1 | 3821.9 |
| 2° | 3822.0 | 3824.2 | 3824.6 | 3823.6 | 3822.5 | 3820.6 |
| 2.5° | 3820.4 | 3823.3 | 3823.5 | 3822.9 | 3821.2 | 3818.7 |
| 3° | 3818.6 | 3822.0 | 3822.0 | 3821.4 | 3819.5 | 3815.8 |
| 3.5° | 3816.0 | 3819.9 | 3820.1 | 3819.2 | 3816.9 | 3813.3 |
| 4° | 3812.7 | 3817.9 | 3817.7 | 3816.9 | 3814.1 | 3809.9 |
| 4.5° | 3809.5 | 3815.2 | 3814.8 | 3813.6 | 3810.8 | 3805.7 |
| 5° | 3805.7 | 3811.8 | 3811.7 | 3810.5 | 3806.8 | 3801.4 |
| 5.5° | 3801.2 | 3808.1 | 3808.2 | 3806.5 | 3802.1 | 3796.6 |
| 6° | 3796.1 | 3803.7 | 3803.8 | 3801.9 | 3797.4 | 3791.4 |
| 6.5° | 3790.5 | 3798.9 | 3799.0 | 3797.1 | 3791.9 | 3785.5 |
| 7° | 3784.9 | 3793.6 | 3793.8 | 3791.6 | 3786.3 | 3779.2 |
| 7.5° | 3778.2 | 3787.6 | 3788.2 | 3785.5 | 3780.3 | 3772.6 |
| 8° | 3771.5 | 3781.5 | 3782.1 | 3779.2 | 3773.4 | 3765.5 |
| 8.5° | 3764.5 | 3774.7 | 3775.0 | 3772.0 | 3765.9 | 3757.7 |
| 9° | 3756.5 | 3767.8 | 3767.6 | 3764.7 | 3757.8 | 3749.2 |
| 9.5° | 3748.2 | 3760.0 | 3759.6 | 3756.4 | 3749.8 | 3740.3 |
| 10° | 3739.5 | 3751.8 | 3751.7 | 3748.1 | 3741.0 | 3730.9 |
| 10.5° | 3730.3 | 3742.9 | 3742.7 | 3739.7 | 3731.6 | 3721.4 |
| 11° | 3720.4 | 3733.6 | 3733.8 | 3730.0 | 3722.3 | 3711.1 |
| 11.5° | 3710.2 | 3723.9 | 3723.8 | 3720.4 | 3711.9 | 3700.4 |
| 12° | 3699.5 | 3713.7 | 3713.8 | 3710.1 | 3701.2 | 3689.1 |
| 12.5° | 3688.3 | 3703.3 | 3702.4 | 3699.2 | 3690.0 | 3677.8 |
| 13° | 3676.6 | 3692.1 | 3691.6 | 3687.9 | 3678.3 | 3665.6 |
| 13.5° | 3664.8 | 3680.4 | 3679.6 | 3676.2 | 3666.0 | 3652.5 |
| 14° | 3651.8 | 3668.9 | 3667.9 | 3663.7 | 3653.4 | 3639.7 |
| 14.5° | 3639.2 | 3656.0 | 3654.8 | 3651.1 | 3639.9 | 3626.1 |
| 15° | 3625.1 | 3643.1 | 3642.4 | 3637.8 | 3626.9 | 3612.2 |
| 15.5° | 3611.3 | 3628.7 | 3628.6 | 3624.1 | 3612.2 | 3597.5 |
| 16° | 3596.4 | 3615.6 | 3614.6 | 3609.8 | 3597.8 | 3583.0 |
| 16.5° | 3581.6 | 3601.2 | 3600.6 | 3594.8 | 3582.8 | 3567.1 |
| 17° | 3566.2 | 3586.2 | 3585.7 | 3579.8 | 3567.7 | 3551.6 |
| 17.5° | 3550.9 | 3570.3 | 3570.6 | 3564.5 | 3551.5 | 3535.0 |
| 18° | 3533.7 | 3555.3 | 3554.7 | 3548.6 | 3535.3 | 3518.4 |
| 18.5° | 3516.6 | 3538.8 | 3538.2 | 3531.8 | 3518.4 | 3501.2 |
| 19° | 3499.8 | 3522.5 | 3521.6 | 3514.7 | 3501.4 | 3483.9 |
| 19.5° | 3482.4 | 3504.4 | 3504.4 | 3497.7 | 3483.9 | 3465.8 |
| 20° | 3463.8 | 3487.6 | 3487.1 | 3480.0 | 3466.0 | 3447.6 |
| 20.5° | 3445.3 | 3469.3 | 3468.9 | 3461.8 | 3446.7 | 3428.7 |
| 21° | 3426.0 | 3451.2 | 3450.4 | 3443.2 | 3428.0 | 3409.0 |
| 21.5° | 3407.5 | 3431.0 | 3431.4 | 3423.7 | 3408.5 | 3389.4 |
| 22° | 3387.2 | 3412.4 | 3412.1 | 3404.1 | 3388.6 | 3369.3 |

TEST NUMBER: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|--------|--------|--------|--------|--------|
| 22.5° | 3366.6 | 3392.7 | 3392.7 | 3384.4 | 3368.8 | 3348.9 |
| 23° | 3346.1 | 3372.3 | 3372.5 | 3363.8 | 3348.4 | 3328.0 |
| 23.5° | 3325.6 | 3352.5 | 3351.5 | 3343.3 | 3327.4 | 3306.6 |
| 24° | 3303.3 | 3331.1 | 3330.2 | 3322.0 | 3305.4 | 3285.0 |
| 24.5° | 3281.4 | 3309.2 | 3309.0 | 3299.8 | 3284.1 | 3262.4 |
| 25° | 3258.8 | 3287.5 | 3287.4 | 3278.0 | 3261.7 | 3239.9 |
| 25.5° | 3237.3 | 3265.0 | 3264.1 | 3255.9 | 3239.2 | 3217.4 |
| 26° | 3213.2 | 3242.5 | 3241.5 | 3233.3 | 3216.1 | 3194.4 |
| 26.5° | 3189.8 | 3219.4 | 3218.5 | 3209.8 | 3192.7 | 3170.8 |
| 27° | 3166.1 | 3196.0 | 3195.1 | 3186.3 | 3169.3 | 3146.7 |
| 27.5° | 3142.2 | 3172.1 | 3171.4 | 3162.4 | 3145.0 | 3122.1 |
| 28° | 3116.4 | 3147.6 | 3146.6 | 3137.6 | 3119.9 | 3097.7 |
| 28.5° | 3092.0 | 3123.0 | 3122.3 | 3112.9 | 3095.4 | 3072.9 |
| 29° | 3066.0 | 3098.2 | 3097.2 | 3088.2 | 3069.9 | 3047.5 |
| 29.5° | 3040.4 | 3072.9 | 3072.1 | 3062.6 | 3044.9 | 3022.2 |
| 30° | 3013.8 | 3047.1 | 3046.3 | 3037.1 | 3018.8 | 2996.3 |
| 30.5° | 2988.2 | 3021.0 | 3020.4 | 3010.9 | 2993.4 | 2970.4 |
| 31° | 2960.6 | 2994.4 | 2994.1 | 2983.8 | 2966.7 | 2944.1 |
| 31.5° | 2934.0 | 2967.7 | 2966.9 | 2957.1 | 2939.7 | 2916.7 |
| 32° | 2906.0 | 2940.3 | 2940.4 | 2930.4 | 2912.2 | 2889.5 |
| 32.5° | 2878.9 | 2912.8 | 2912.6 | 2903.5 | 2885.6 | 2862.7 |
| 33° | 2850.1 | 2885.1 | 2884.5 | 2875.7 | 2856.8 | 2834.3 |
| 33.5° | 2821.4 | 2857.2 | 2856.6 | 2847.1 | 2829.5 | 2807.1 |
| 34° | 2792.4 | 2828.2 | 2828.0 | 2818.4 | 2800.9 | 2778.8 |
| 34.5° | 2763.6 | 2799.1 | 2799.1 | 2789.7 | 2772.5 | 2749.8 |
| 35° | 2733.8 | 2770.1 | 2770.4 | 2760.7 | 2742.4 | 2721.0 |
| 35.5° | 2704.0 | 2740.9 | 2740.6 | 2731.6 | 2714.3 | 2692.2 |
| 36° | 2674.3 | 2710.6 | 2710.6 | 2701.2 | 2684.5 | 2663.2 |
| 36.5° | 2643.5 | 2680.7 | 2680.8 | 2671.5 | 2654.4 | 2633.0 |
| 37° | 2612.6 | 2650.0 | 2649.5 | 2641.2 | 2623.1 | 2602.7 |
| 37.5° | 2581.5 | 2619.2 | 2619.9 | 2610.5 | 2593.6 | 2572.7 |
| 38° | 2550.1 | 2588.3 | 2588.4 | 2579.0 | 2563.3 | 2542.2 |
| 38.5° | 2518.6 | 2556.9 | 2556.7 | 2548.0 | 2532.0 | 2511.6 |
| 39° | 2486.7 | 2525.3 | 2525.3 | 2517.0 | 2501.4 | 2480.3 |
| 39.5° | 2454.3 | 2493.1 | 2493.7 | 2485.7 | 2470.3 | 2448.9 |
| 40° | 2421.8 | 2460.4 | 2461.8 | 2452.5 | 2438.6 | 2417.2 |
| 40.5° | 2388.6 | 2428.9 | 2429.8 | 2422.0 | 2406.8 | 2385.9 |
| 41° | 2354.0 | 2395.2 | 2396.7 | 2388.4 | 2374.1 | 2354.4 |
| 41.5° | 2317.8 | 2360.8 | 2363.1 | 2355.7 | 2341.5 | 2321.5 |
| 42° | 2281.4 | 2324.9 | 2328.3 | 2321.5 | 2307.8 | 2289.0 |
| 42.5° | 2243.9 | 2288.3 | 2291.5 | 2286.3 | 2274.1 | 2254.8 |
| 43° | 2204.5 | 2250.5 | 2254.4 | 2249.7 | 2236.8 | 2218.7 |
| 43.5° | 2164.9 | 2212.3 | 2215.8 | 2211.1 | 2199.1 | 2181.7 |
| 44° | 2125.4 | 2172.6 | 2177.1 | 2172.3 | 2160.9 | 2142.9 |
| 44.5° | 2086.0 | 2133.3 | 2137.9 | 2133.6 | 2122.6 | 2104.3 |

TEST NUMBER: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|--------|--------|--------|--------|--------|
| 45° | 2044.8 | 2093.2 | 2098.1 | 2094.2 | 2083.1 | 2064.9 |
| 45.5° | 2003.7 | 2053.3 | 2058.0 | 2054.7 | 2043.0 | 2025.9 |
| 46° | 1962.6 | 2012.5 | 2016.6 | 2014.0 | 2003.1 | 1985.9 |
| 46.5° | 1921.2 | 1970.6 | 1975.8 | 1972.8 | 1962.7 | 1944.7 |
| 47° | 1879.8 | 1928.8 | 1934.3 | 1932.4 | 1922.3 | 1904.4 |
| 47.5° | 1837.3 | 1887.5 | 1892.6 | 1891.1 | 1880.4 | 1863.6 |
| 48° | 1796.5 | 1845.8 | 1851.5 | 1850.4 | 1839.9 | 1823.2 |
| 48.5° | 1754.2 | 1803.6 | 1809.9 | 1809.2 | 1798.7 | 1782.2 |
| 49° | 1712.7 | 1762.0 | 1768.3 | 1767.1 | 1758.0 | 1741.2 |
| 49.5° | 1670.5 | 1719.1 | 1726.9 | 1726.0 | 1716.2 | 1699.8 |
| 50° | 1628.5 | 1676.4 | 1684.6 | 1683.7 | 1675.3 | 1658.7 |
| 50.5° | 1587.1 | 1634.2 | 1641.7 | 1642.3 | 1633.2 | 1617.8 |
| 51° | 1544.7 | 1592.4 | 1600.1 | 1601.2 | 1592.4 | 1577.4 |
| 51.5° | 1503.3 | 1550.0 | 1558.6 | 1558.8 | 1550.7 | 1536.4 |
| 52° | 1461.8 | 1508.3 | 1516.9 | 1517.3 | 1510.8 | 1496.5 |
| 52.5° | 1419.3 | 1466.8 | 1475.3 | 1476.5 | 1470.5 | 1456.5 |
| 53° | 1378.3 | 1425.6 | 1433.1 | 1435.1 | 1429.0 | 1416.3 |
| 53.5° | 1337.6 | 1383.3 | 1391.8 | 1393.5 | 1388.4 | 1375.9 |
| 54° | 1296.6 | 1342.8 | 1350.4 | 1352.0 | 1347.9 | 1335.9 |
| 54.5° | 1256.0 | 1302.1 | 1310.4 | 1312.6 | 1308.2 | 1296.7 |
| 55° | 1215.2 | 1261.4 | 1268.9 | 1272.2 | 1268.5 | 1258.7 |
| 55.5° | 1175.5 | 1220.0 | 1228.5 | 1231.3 | 1229.0 | 1219.4 |
| 56° | 1136.0 | 1181.1 | 1188.3 | 1191.8 | 1190.2 | 1181.9 |
| 56.5° | 1096.8 | 1140.5 | 1148.4 | 1152.2 | 1150.6 | 1143.6 |
| 57° | 1057.1 | 1101.2 | 1109.1 | 1112.8 | 1112.8 | 1105.9 |
| 57.5° | 1018.8 | 1061.3 | 1069.1 | 1074.1 | 1074.4 | 1067.9 |
| 58° | 980.9 | 1023.2 | 1030.8 | 1036.0 | 1036.9 | 1032.1 |
| 58.5° | 943.4 | 984.9 | 991.0 | 997.6 | 1000.0 | 995.7 |
| 59° | 906.2 | 947.5 | 954.3 | 959.4 | 963.0 | 959.0 |
| 59.5° | 868.6 | 909.9 | 916.3 | 922.4 | 926.9 | 923.4 |
| 60° | 832.4 | 872.9 | 879.7 | 885.7 | 890.6 | 888.6 |
| 60.5° | 796.8 | 835.6 | 841.9 | 849.4 | 854.6 | 853.5 |
| 61° | 762.7 | 799.9 | 806.3 | 812.3 | 819.2 | 819.1 |
| 61.5° | 728.6 | 765.0 | 770.8 | 777.3 | 785.5 | 784.9 |
| 62° | 694.5 | 729.3 | 735.9 | 742.4 | 751.1 | 751.3 |
| 62.5° | 660.4 | 693.8 | 699.7 | 707.8 | 717.5 | 718.5 |
| 63° | 626.3 | 659.6 | 666.2 | 674.3 | 684.0 | 685.1 |
| 63.5° | 593.4 | 626.9 | 632.8 | 640.6 | 651.2 | 651.7 |
| 64° | 560.5 | 593.0 | 599.9 | 607.9 | 619.0 | 617.5 |
| 64.5° | 529.2 | 561.1 | 566.5 | 575.9 | 587.5 | 584.8 |
| 65° | 498.9 | 529.5 | 535.6 | 545.0 | 556.8 | 552.2 |
| 65.5° | 467.8 | 498.3 | 504.4 | 514.3 | 526.0 | 520.3 |
| 66° | 438.5 | 467.6 | 474.1 | 484.0 | 495.2 | 488.6 |
| 66.5° | 409.6 | 438.1 | 444.1 | 454.8 | 465.6 | 457.8 |
| 67° | 381.8 | 408.4 | 416.0 | 426.2 | 435.7 | 428.7 |

TEST NUMBER: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-------|--------|-------|--------|-------|--------|-------|
| 67.5° | 354.8 | 380.5 | 387.4 | 398.8 | 407.3 | 400.7 |
| 68° | 328.8 | 353.3 | 360.3 | 372.2 | 379.0 | 373.4 |
| 68.5° | 304.0 | 326.9 | 334.4 | 346.2 | 351.6 | 346.3 |
| 69° | 279.5 | 303.1 | 310.7 | 322.9 | 324.1 | 324.1 |
| 69.5° | 256.1 | 279.4 | 287.1 | 299.2 | 301.0 | 299.8 |
| 70° | 234.6 | 255.6 | 263.5 | 275.6 | 278.1 | 275.5 |
| 70.5° | 214.3 | 231.9 | 239.9 | 251.9 | 255.2 | 251.1 |
| 71° | 194.6 | 208.2 | 216.4 | 228.3 | 232.3 | 226.8 |
| 71.5° | 176.4 | 188.5 | 197.0 | 208.2 | 212.4 | 206.9 |
| 72° | 159.9 | 170.7 | 178.9 | 189.8 | 193.9 | 188.2 |
| 72.5° | 144.9 | 154.6 | 161.7 | 172.3 | 176.4 | 170.7 |
| 73° | 131.2 | 140.1 | 146.4 | 155.9 | 160.1 | 154.5 |
| 73.5° | 119.7 | 127.5 | 132.9 | 141.8 | 145.3 | 139.2 |
| 74° | 109.9 | 116.5 | 121.1 | 128.5 | 131.8 | 126.5 |
| 74.5° | 101.8 | 107.4 | 111.1 | 117.2 | 120.4 | 117.4 |
| 75° | 95.6 | 100.1 | 102.9 | 107.6 | 110.3 | 108.3 |
| 75.5° | 91.1 | 94.9 | 96.7 | 99.7 | 101.6 | 100.9 |
| 76° | 86.6 | 90.3 | 92.0 | 94.3 | 94.8 | 95.6 |
| 76.5° | 82.4 | 85.7 | 87.5 | 89.6 | 89.9 | 90.8 |
| 77° | 78.2 | 81.4 | 83.0 | 85.2 | 85.1 | 85.9 |
| 77.5° | 74.0 | 77.2 | 78.8 | 80.8 | 80.6 | 81.6 |
| 78° | 69.8 | 73.0 | 74.5 | 76.5 | 76.0 | 77.1 |
| 78.5° | 65.6 | 68.9 | 70.4 | 72.1 | 71.6 | 72.6 |
| 79° | 61.6 | 64.8 | 66.2 | 67.8 | 67.2 | 68.2 |
| 79.5° | 57.6 | 60.8 | 62.3 | 63.8 | 63.0 | 64.0 |
| 80° | 53.8 | 56.8 | 58.3 | 59.6 | 58.7 | 59.8 |
| 80.5° | 50.1 | 53.1 | 54.5 | 55.8 | 54.7 | 55.8 |
| 81° | 46.4 | 49.3 | 50.6 | 51.8 | 50.7 | 51.8 |
| 81.5° | 42.8 | 45.6 | 46.9 | 47.9 | 46.7 | 47.8 |
| 82° | 39.1 | 42.0 | 43.2 | 44.2 | 42.9 | 43.9 |
| 82.5° | 35.7 | 38.4 | 39.7 | 40.4 | 39.1 | 40.1 |
| 83° | 32.2 | 34.9 | 36.1 | 36.8 | 35.4 | 36.4 |
| 83.5° | 28.9 | 31.6 | 32.5 | 33.3 | 32.2 | 32.7 |
| 84° | 25.6 | 28.3 | 29.3 | 30.1 | 28.8 | 29.4 |
| 84.5° | 22.2 | 25.0 | 26.0 | 26.8 | 25.4 | 26.1 |
| 85° | 19.1 | 21.7 | 22.7 | 23.6 | 22.0 | 22.8 |
| 85.5° | 15.9 | 18.4 | 19.4 | 20.3 | 18.7 | 19.5 |
| 86° | 13.0 | 15.3 | 16.3 | 17.1 | 15.8 | 16.2 |
| 86.5° | 10.1 | 12.1 | 13.2 | 14.1 | 12.9 | 13.4 |
| 87° | 7.2 | 9.1 | 10.2 | 11.3 | 10.4 | 10.6 |
| 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 | 3.5 | 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: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|------|--------|------|--------|------|
| 90° | 0.3 | 0.3 | 1.1 | 1.0 | 1.3 | 1.8 |
| 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 | 0.5 | 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: P640244

CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

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 | 0.9 | 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 | 1.3 | 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: P640244
 CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

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° | 1.3 | 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 | 1.5 | 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 | 1.5 | 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 | 1.6 | 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 | 1.7 | 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 | 1.7 | 1.8 | 1.8 | 1.8 |
| 151.5° | 1.9 | 1.7 | 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 | 1.8 |
| 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: P640244
 CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

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 | 1.8 | 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 | 1.8 | 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 | 1.8 | 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 | 1.9 | 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 | 2.0 | 2.0 |
| 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° | 2.3 | 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 | 2.1 | 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 | 2.2 | 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: P640244
CATALOG NUMBER: LCR880RD9FSE010-92W-6500K

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)