

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-79SL-RW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

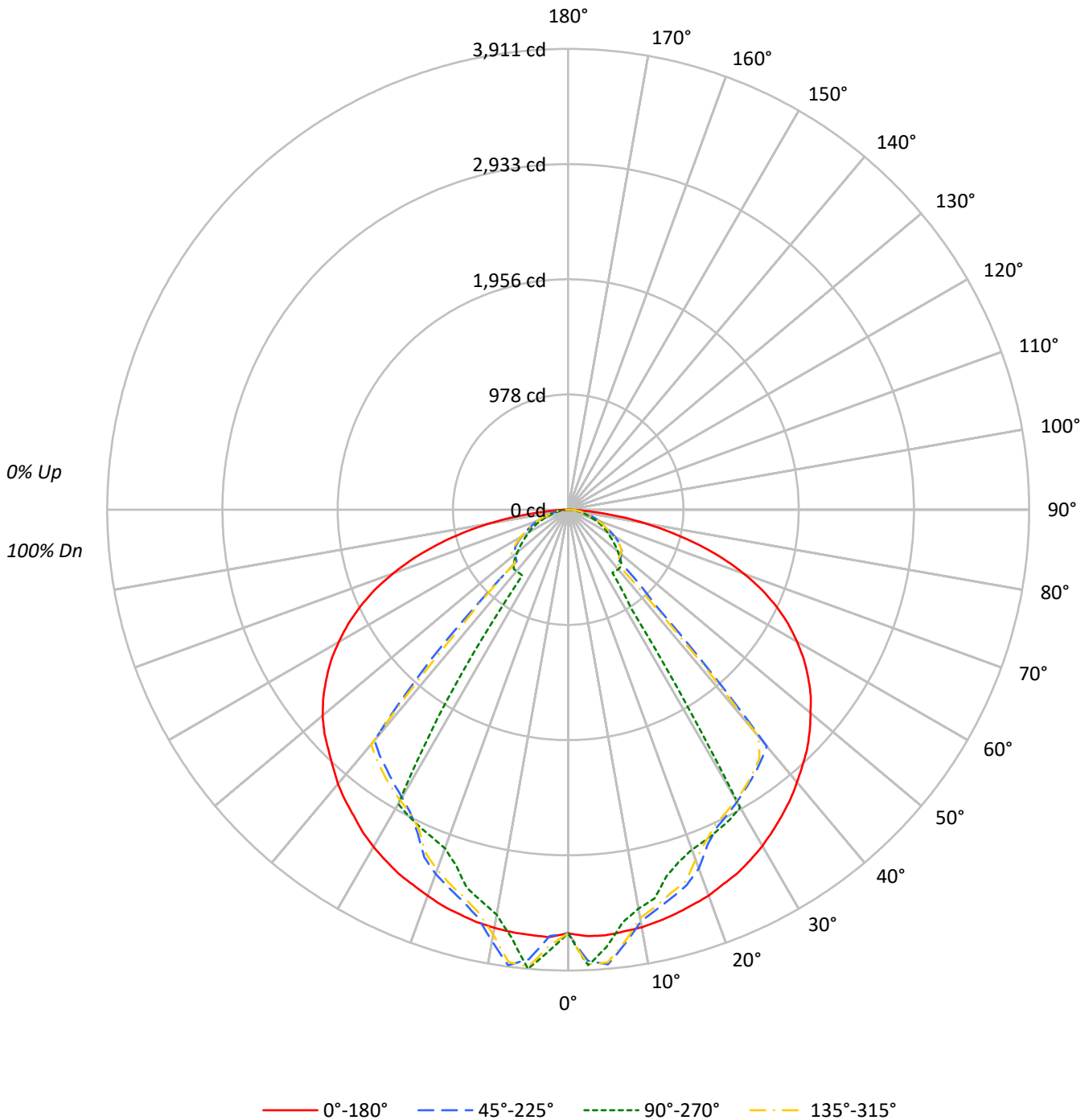
Lumens per Lamp: N/A
Luminaire Lumens: 7198.0 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
Input Voltage (V): NR
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: 25 FT



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

Luminous Intensity Polar Plot





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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	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77	75
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67	65
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14524	14524	14524	14524
5°	14686	14633	14679	15358
10°	14721	13230	14741	13433
15°	14774	12240	14809	12629
20°	14904	11610	14904	11566
25°	15056	11388	15078	11281
30°	15234	11187	15272	11054
35°	15440	2548	15472	2658
40°	15721	2650	15815	2736
45°	16136	2635	16192	2731
50°	16560	2383	16784	2447
55°	17129	2115	17265	2145
60°	17640	1880	17680	1904
65°	18058	1640	18013	1614
70°	17950	1322	17895	1274
75°	16889	1018	17010	975
80°	14049	723	14611	662
85°	8099	433	8551	332



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.7	4.9
10°-20°	972.4	13.5
20°-30°	1440.3	20.0
30°-40°	1451.2	20.2
40°-50°	1133.6	15.7
50°-60°	875.6	12.2
60°-70°	587.9	8.2
70°-80°	299.9	4.2
80°-90°	83.4	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2766.3	38.4
0°-40°	4217.5	58.6
0°-60°	6226.8	86.5
0°-90°	7198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7198.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3594	3594	3594	3594	3594	
5°	3626	3726	3624	3911	3626	345
15°	3547	3220	3555	3323	3547	1003
25°	3402	3002	3407	2973	3402	1569
35°	3164	652	3171	680	3164	1983
45°	2868	634	2878	657	2868	2212
55°	2486	461	2506	468	2486	2220
65°	1952	310	1947	305	1952	1920
75°	1145	156	1153	150	1145	1197
85°	206	49	217	38	206	283
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3622.5	3635.7	3645.6	3652.2	3655.4	3655.4	3657.1	3658.7	3680.2	3690.0	3696.6
5°	3625.8	3639.0	3658.7	3685.1	3708.2	3727.9	3744.4	3767.5	3790.5	3815.2	3823.5
7.5°	3611.0	3627.4	3667.0	3714.8	3759.2	3790.5	3811.9	3826.8	3838.3	3839.9	3848.2
10°	3597.8	3627.4	3681.8	3744.4	3800.4	3838.3	3838.3	3830.1	3841.6	3797.1	3752.6
12.5°	3574.7	3607.7	3681.8	3764.2	3816.9	3831.7	3825.1	3792.2	3724.6	3670.3	3645.6
15°	3546.7	3591.2	3683.5	3775.7	3820.2	3825.1	3762.5	3678.5	3627.4	3594.5	3553.3
17.5°	3515.4	3574.7	3685.1	3777.4	3793.8	3770.8	3652.2	3599.4	3546.7	3469.3	3413.3
20°	3485.8	3543.4	3671.9	3754.3	3764.2	3660.4	3568.1	3512.1	3423.2	3355.6	3330.9
22.5°	3439.6	3507.2	3660.4	3723.0	3685.1	3564.8	3475.9	3386.9	3306.2	3286.4	3256.8
25°	3401.8	3472.6	3634.0	3685.1	3584.6	3477.5	3373.8	3270.0	3232.1	3204.1	3177.7
27.5°	3350.7	3438.0	3599.4	3615.9	3477.5	3383.6	3232.1	3186.0	3151.4	3120.1	3108.5
30°	3294.7	3401.8	3551.7	3520.4	3388.6	3250.2	3138.2	3095.4	3070.6	3037.7	3024.5
32.5°	3230.4	3347.4	3499.0	3410.0	3293.0	3120.1	3047.6	3014.6	2981.7	2957.0	2874.6
35°	3164.5	3299.6	3436.4	3304.6	3177.7	3021.2	2957.0	2927.3	2896.0	2805.4	2719.8
37.5°	3097.0	3246.9	3360.6	3190.9	3024.5	2919.1	2864.7	2831.8	2760.9	2645.6	2602.8
40°	3019.6	3182.7	3263.4	3073.9	2891.1	2815.3	2764.2	2731.3	2571.5	2520.4	2507.3
42.5°	2942.1	3120.1	3144.8	2960.3	2780.7	2704.9	2662.1	2553.4	2444.7	2418.3	2423.2
45°	2868.0	3052.5	3014.6	2798.8	2665.4	2602.8	2530.3	2380.4	2322.7	2335.9	2339.2
47.5°	2779.1	2971.8	2877.9	2637.4	2546.8	2484.2	2322.7	2232.1	2223.9	2242.0	2251.9
50°	2683.5	2881.2	2732.9	2490.8	2418.3	2344.2	2161.3	2115.2	2125.1	2143.2	2154.7
52.5°	2594.6	2779.1	2583.0	2354.0	2291.5	2121.8	1998.2	2006.5	2022.9	2044.3	2050.9
55°	2485.8	2655.5	2423.2	2215.7	2156.4	1934.0	1878.0	1897.7	1914.2	1932.3	1945.5
57.5°	2372.2	2513.8	2233.8	2060.8	1965.3	1767.6	1772.5	1785.7	1797.2	1818.7	751.2
60°	2242.0	2352.4	2026.2	1917.5	1728.1	1635.8	1640.8	1663.8	1675.3	935.7	517.3
62.5°	2106.9	2164.6	1838.4	1754.4	1510.6	1504.0	1527.1	1537.0	1046.1	494.2	484.3
65°	1952.1	1940.6	1653.9	1520.5	1362.4	1368.9	1393.6	1344.2	462.9	462.9	459.6
67.5°	1780.8	1711.6	1474.4	1258.6	1219.0	1233.9	1260.2	439.8	428.3	431.6	420.1
70°	1584.7	1487.5	1288.2	1065.8	1079.0	1093.8	425.0	398.7	393.7	385.5	362.4
72.5°	1377.2	1243.7	1054.3	925.8	934.0	586.5	372.3	359.1	342.6	326.2	301.5
75°	1144.9	971.9	774.2	774.2	785.8	334.4	324.5	303.1	285.0	263.6	248.7
77.5°	897.8	747.9	601.3	624.3	304.8	280.0	261.9	238.9	224.0	210.9	202.6
80°	657.3	522.2	453.0	405.2	237.2	212.5	194.4	181.2	174.6	166.4	156.5
82.5°	431.6	314.6	314.6	191.1	166.4	146.6	141.7	131.8	125.2	120.3	115.3
85°	205.9	182.9	138.4	117.0	103.8	93.9	90.6	85.7	85.7	84.0	82.4
87.5°	75.8	82.4	61.0	59.3	56.0	54.4	56.0	56.0	57.7	56.0	54.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3713.1	3726.3	3736.2	3752.6	3774.1	3792.2	3808.7	3831.7	3868.0	3877.8	3886.1
5°	3823.5	3828.4	3839.9	3853.1	3856.4	3864.7	3863.0	3872.9	3877.8	3889.4	3864.7
7.5°	3830.1	3803.7	3772.4	3744.4	3724.6	3706.5	3695.0	3713.1	3723.0	3731.2	3706.5
10°	3691.7	3660.4	3642.3	3625.8	3606.0	3578.0	3540.1	3548.4	3545.1	3545.1	3536.8
12.5°	3604.4	3559.9	3513.8	3472.6	3454.5	3452.8	3454.5	3472.6	3472.6	3470.9	3461.1
15°	3467.7	3424.8	3401.8	3391.9	3391.9	3386.9	3386.9	3406.7	3401.8	3401.8	3396.8
17.5°	3377.0	3347.4	3330.9	3319.4	3314.4	3322.7	3332.6	3340.8	3342.5	3335.9	3309.5
20°	3302.9	3274.9	3255.1	3258.4	3256.8	3261.7	3266.7	3238.7	3204.1	3158.0	3136.5
22.5°	3225.5	3204.1	3189.3	3189.3	3169.5	3138.2	3092.1	3082.2	3077.2	3055.8	3037.7
25°	3151.4	3126.7	3105.2	3039.3	2998.2	3003.1	2994.9	2978.4	2976.7	2975.1	2981.7
27.5°	3077.2	3013.0	2930.6	2920.7	2904.3	2902.6	2912.5	2920.7	2920.7	2927.3	2935.6
30°	2924.0	2849.9	2835.1	2817.0	2823.5	2846.6	2851.5	2863.1	2866.4	2877.9	2884.5
32.5°	2784.0	2751.1	2737.9	2746.1	2767.5	2787.3	2798.8	2803.8	2812.0	2821.9	2830.1
35°	2670.3	2660.5	2672.0	2690.1	2711.5	2728.0	2737.9	2747.8	2756.0	2764.2	2770.8
37.5°	2586.3	2592.9	2609.4	2632.4	2653.9	2667.0	2675.3	2686.8	2698.3	2708.2	2668.7
40°	2507.3	2523.7	2541.8	2566.6	2584.7	2597.9	2606.1	2620.9	2522.1	1141.6	626.0
42.5°	2438.1	2456.2	2469.4	2489.1	2508.9	2518.8	2446.3	1092.2	617.8	614.5	622.7
45°	2354.0	2368.9	2390.3	2405.1	2423.2	1591.3	607.9	614.5	604.6	611.2	614.5
47.5°	2268.4	2291.5	2303.0	2197.6	654.0	604.6	598.0	604.6	598.0	606.2	601.3
50°	2171.2	2199.2	1565.0	591.4	586.5	583.2	589.7	586.5	591.4	598.0	584.8
52.5°	2072.4	1283.3	573.3	570.0	573.3	570.0	581.5	573.3	574.9	568.3	551.9
55°	701.8	555.2	550.2	548.6	558.4	558.4	558.4	545.3	537.0	520.6	509.0
57.5°	537.0	537.0	535.4	537.0	533.7	530.4	515.6	504.1	492.6	469.5	462.9
60°	509.0	509.0	509.0	509.0	494.2	487.6	464.5	454.7	434.9	423.4	416.8
62.5°	486.0	482.7	467.8	462.9	446.4	428.3	415.1	405.2	385.5	378.9	373.9
65°	453.0	441.5	423.4	403.6	395.4	375.6	369.0	354.2	344.3	339.4	336.1
67.5°	398.7	382.2	367.4	354.2	339.4	332.8	324.5	313.0	306.4	303.1	299.8
70°	341.0	329.5	314.6	306.4	296.5	291.6	280.0	276.8	271.8	266.9	261.9
72.5°	285.0	278.4	271.8	260.3	257.0	253.7	242.2	235.6	229.0	222.4	219.1
75°	238.9	233.9	230.6	220.7	215.8	205.9	197.7	192.7	187.8	182.9	179.6
77.5°	196.0	192.7	182.9	176.3	173.0	164.7	161.4	163.1	159.8	153.2	149.9
80°	153.2	149.9	141.7	141.7	138.4	135.1	131.8	128.5	125.2	120.3	117.0
82.5°	117.0	113.7	110.4	107.1	103.8	102.1	100.5	97.2	93.9	90.6	89.0
85°	82.4	80.7	79.1	77.4	75.8	74.1	72.5	69.2	65.9	64.2	62.6
87.5°	56.0	54.4	52.7	51.1	49.4	47.8	46.1	44.5	41.2	39.5	37.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3886.1	3894.3	3886.1	3868.0	3856.4	3851.5	3861.4	3861.4	3868.0	3876.2	3877.8
5°	3825.1	3805.4	3782.3	3759.2	3747.7	3741.1	3723.0	3726.3	3731.2	3734.5	3737.8
7.5°	3673.6	3647.2	3615.9	3586.3	3574.7	3564.8	3543.4	3543.4	3543.4	3545.1	3555.0
10°	3518.7	3507.2	3494.0	3474.2	3459.4	3454.5	3436.4	3441.3	3438.0	3442.9	3454.5
12.5°	3446.2	3433.1	3421.5	3401.8	3385.3	3378.7	3370.5	3375.4	3373.8	3382.0	3391.9
15°	3380.3	3373.8	3360.6	3345.7	3330.9	3317.7	3288.1	3278.2	3271.6	3263.4	3274.9
17.5°	3271.6	3225.5	3194.2	3171.1	3154.7	3143.1	3134.9	3134.9	3139.8	3144.8	3154.7
20°	3123.4	3110.2	3095.4	3070.6	3054.2	3047.6	3042.6	3042.6	3050.9	3057.5	3075.6
22.5°	3021.2	3019.6	3014.6	3003.1	2994.9	2994.9	2996.5	2999.8	3011.3	3021.2	3039.3
25°	2973.4	2980.0	2976.7	2970.2	2965.2	2966.9	2963.6	2966.9	2978.4	2988.3	3003.1
27.5°	2935.6	2945.4	2942.1	2932.3	2924.0	2927.3	2932.3	2929.0	2938.9	2950.4	2961.9
30°	2884.5	2886.1	2892.7	2881.2	2877.9	2882.8	2884.5	2887.8	2897.7	2905.9	2915.8
32.5°	2826.8	2840.0	2838.4	2826.8	2826.8	2831.8	2833.4	2723.1	2517.1	2167.9	2072.4
35°	2770.8	2785.7	2760.9	2327.7	1611.1	859.9	663.9	640.8	645.8	649.1	652.3
37.5°	2049.3	971.9	619.4	624.3	629.3	634.2	639.2	644.1	649.1	654.0	655.6
40°	616.1	614.5	619.4	626.0	630.9	634.2	640.8	645.8	650.7	655.6	657.3
42.5°	609.5	612.8	617.8	624.3	630.9	637.5	642.5	649.1	652.3	655.6	657.3
45°	606.2	612.8	619.4	624.3	629.3	632.6	635.9	637.5	635.9	635.9	639.2
47.5°	601.3	607.9	609.5	607.9	609.5	607.9	607.9	607.9	602.9	601.3	601.3
50°	583.2	583.2	579.9	573.3	571.6	570.0	566.7	565.0	558.4	556.8	556.8
52.5°	545.3	543.6	538.7	530.4	527.1	523.9	522.2	520.6	514.0	510.7	512.3
55°	500.8	497.5	492.6	482.7	481.0	477.7	476.1	474.4	467.8	471.1	466.2
57.5°	459.6	453.0	446.4	444.8	438.2	436.5	434.9	433.3	428.3	430.0	426.7
60°	410.2	408.5	405.2	398.7	398.7	397.0	397.0	393.7	390.4	388.8	388.8
62.5°	373.9	369.0	365.7	365.7	360.8	360.8	360.8	357.5	354.2	355.8	354.2
65°	334.4	332.8	331.1	327.8	327.8	326.2	326.2	322.9	317.9	319.6	316.3
67.5°	301.5	298.2	294.9	293.2	286.6	283.3	281.7	280.0	273.5	275.1	271.8
70°	260.3	255.3	252.0	248.7	243.8	240.5	240.5	237.2	232.3	233.9	230.6
72.5°	217.4	214.2	210.9	209.2	204.3	202.6	201.0	199.3	194.4	196.0	194.4
75°	181.2	181.2	179.6	177.9	173.0	168.0	164.7	163.1	159.8	161.4	158.1
77.5°	149.9	146.6	143.3	143.3	138.4	135.1	131.8	131.8	131.8	130.1	128.5
80°	117.0	113.7	113.7	112.0	108.7	105.4	103.8	103.8	102.1	102.1	100.5
82.5°	89.0	85.7	84.0	84.0	80.7	79.1	77.4	75.8	75.8	75.8	74.1
85°	62.6	59.3	57.7	57.7	54.4	52.7	52.7	51.1	51.1	49.4	49.4
87.5°	37.9	36.2	34.6	34.6	31.3	29.7	29.7	29.7	28.0	28.0	26.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3877.8	3877.8	3866.3	3869.6	3864.7	3871.2	3863.0	3863.0	3872.9	3872.9	3879.5
5°	3739.5	3731.2	3729.6	3726.3	3709.8	3716.4	3708.2	3699.9	3711.5	3711.5	3726.3
7.5°	3550.0	3535.2	3541.8	3531.9	3522.0	3507.2	3512.1	3505.5	3513.8	3525.3	3540.1
10°	3452.8	3439.6	3447.9	3438.0	3442.9	3421.5	3423.2	3424.8	3433.1	3436.4	3449.5
12.5°	3390.2	3386.9	3383.6	3380.3	3383.6	3372.1	3365.5	3367.2	3370.5	3372.1	3382.0
15°	3258.4	3237.0	3243.6	3220.5	3222.2	3223.8	3210.7	3223.8	3222.2	3243.6	3263.4
17.5°	3151.4	3151.4	3139.8	3129.9	3123.4	3121.7	3111.8	3118.4	3111.8	3125.0	3129.9
20°	3077.2	3075.6	3073.9	3069.0	3052.5	3054.2	3059.1	3044.3	3042.6	3041.0	3050.9
22.5°	3042.6	3044.3	3037.7	3037.7	3022.9	3026.2	3027.8	3011.3	3013.0	3008.0	3013.0
25°	3006.4	3009.7	3001.5	3001.5	2998.2	2996.5	2988.3	2991.6	2981.7	2973.4	2981.7
27.5°	2963.6	2970.2	2963.6	2966.9	2960.3	2957.0	2952.0	2948.7	2938.9	2937.2	2942.1
30°	2924.0	2927.3	2925.7	2917.4	2915.8	2905.9	2910.8	2901.0	2891.1	2892.7	2896.0
32.5°	1499.1	1431.5	1103.7	996.6	986.8	1023.0	1212.4	1476.0	1912.6	2335.9	2640.7
35°	654.0	654.0	654.0	652.3	652.3	650.7	649.1	647.4	645.8	644.1	642.5
37.5°	657.3	657.3	657.3	657.3	655.6	654.0	654.0	650.7	649.1	647.4	645.8
40°	658.9	660.6	660.6	660.6	658.9	658.9	657.3	654.0	652.3	649.1	645.8
42.5°	657.3	658.9	658.9	657.3	657.3	655.6	655.6	654.0	652.3	650.7	649.1
45°	635.9	637.5	634.2	634.2	632.6	632.6	632.6	632.6	632.6	634.2	634.2
47.5°	598.0	598.0	596.3	594.7	594.7	593.0	594.7	593.0	596.3	598.0	601.3
50°	553.5	553.5	550.2	548.6	548.6	548.6	548.6	550.2	551.9	555.2	558.4
52.5°	507.4	507.4	505.7	504.1	502.4	502.4	507.4	505.7	507.4	509.0	514.0
55°	462.9	464.5	461.3	461.3	459.6	459.6	459.6	461.3	462.9	464.5	469.5
57.5°	425.0	425.0	421.7	421.7	421.7	420.1	425.0	421.7	423.4	425.0	428.3
60°	387.1	385.5	385.5	383.8	383.8	383.8	387.1	385.5	385.5	387.1	390.4
62.5°	352.5	352.5	350.9	350.9	349.2	349.2	352.5	350.9	350.9	352.5	354.2
65°	313.0	313.0	311.3	309.7	314.6	309.7	314.6	311.3	314.6	316.3	319.6
67.5°	268.5	268.5	268.5	266.9	266.9	270.2	271.8	268.5	270.2	273.5	275.1
70°	229.0	229.0	227.3	227.3	227.3	230.6	232.3	229.0	230.6	232.3	235.6
72.5°	194.4	191.1	191.1	189.4	192.7	192.7	194.4	192.7	194.4	194.4	197.7
75°	159.8	156.5	156.5	156.5	159.8	158.1	159.8	158.1	159.8	159.8	161.4
77.5°	128.5	126.8	125.2	125.2	128.5	128.5	128.5	126.8	128.5	130.1	131.8
80°	100.5	98.8	97.2	97.2	100.5	100.5	100.5	102.1	100.5	102.1	103.8
82.5°	74.1	72.5	70.8	74.1	74.1	74.1	74.1	75.8	74.1	75.8	77.4
85°	49.4	47.8	46.1	49.4	49.4	49.4	49.4	51.1	49.4	51.1	52.7
87.5°	26.4	24.7	24.7	26.4	26.4	26.4	28.0	28.0	28.0	29.7	29.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3889.4	3894.3	3892.7	3882.8	3872.9	3861.4	3853.1	3854.8	3871.2	3876.2	3861.4
5°	3726.3	3757.6	3757.6	3779.0	3767.5	3757.6	3764.2	3800.4	3818.5	3846.5	3856.4
7.5°	3558.3	3573.1	3571.4	3592.8	3589.6	3589.6	3594.5	3642.3	3665.3	3688.4	3695.0
10°	3464.4	3479.2	3477.5	3479.2	3474.2	3462.7	3462.7	3484.1	3503.9	3515.4	3518.7
12.5°	3396.8	3405.1	3403.4	3403.4	3400.1	3390.2	3388.6	3406.7	3428.1	3442.9	3444.6
15°	3296.3	3319.4	3324.3	3345.7	3340.8	3327.6	3330.9	3345.7	3358.9	3372.1	3367.2
17.5°	3146.4	3158.0	3159.6	3167.8	3164.5	3164.5	3184.3	3238.7	3274.9	3306.2	3309.5
20°	3060.8	3069.0	3065.7	3083.8	3075.6	3073.9	3078.9	3101.9	3118.4	3133.2	3159.6
22.5°	3019.6	3026.2	3021.2	3022.9	3008.0	2994.9	2991.6	3009.7	3027.8	3047.6	3047.6
25°	2985.0	2989.9	2988.3	2985.0	2973.4	2955.3	2952.0	2955.3	2961.9	2963.6	2952.0
27.5°	2943.8	2947.1	2947.1	2948.7	2933.9	2917.4	2914.1	2910.8	2917.4	2915.8	2897.7
30°	2901.0	2896.0	2897.7	2899.3	2886.1	2871.3	2864.7	2863.1	2869.7	2868.0	2849.9
32.5°	2798.8	2836.7	2840.0	2843.3	2831.8	2818.6	2812.0	2807.1	2810.4	2808.7	2792.2
35°	640.8	652.3	799.0	1808.8	2456.2	2719.8	2747.8	2741.2	2742.8	2742.8	2729.6
37.5°	642.5	640.8	639.2	634.2	629.3	626.0	1082.3	2307.9	2673.6	2675.3	2663.7
40°	642.5	640.8	639.2	635.9	629.3	624.3	616.1	609.5	624.3	1373.9	2513.8
42.5°	645.8	642.5	639.2	635.9	629.3	622.7	616.1	607.9	612.8	609.5	601.3
45°	635.9	634.2	634.2	632.6	629.3	622.7	614.5	604.6	599.6	604.6	596.3
47.5°	604.6	606.2	611.2	612.8	612.8	614.5	609.5	602.9	594.7	599.6	589.7
50°	561.7	565.0	566.7	574.9	578.2	584.8	586.5	586.5	584.8	591.4	584.8
52.5°	515.6	518.9	527.1	530.4	533.7	543.6	546.9	551.9	555.2	565.0	571.6
55°	471.1	472.8	476.1	482.7	487.6	495.8	500.8	505.7	514.0	518.9	538.7
57.5°	430.0	431.6	438.2	439.8	443.1	449.7	454.7	461.3	467.8	471.1	494.2
60°	390.4	392.1	397.0	398.7	400.3	406.9	411.8	416.8	421.7	425.0	441.5
62.5°	355.8	355.8	360.8	360.8	362.4	367.4	370.7	373.9	378.9	380.5	388.8
65°	321.2	322.9	326.2	326.2	327.8	331.1	332.8	334.4	339.4	339.4	345.9
67.5°	278.4	280.0	285.0	288.3	289.9	296.5	298.2	299.8	303.1	304.8	308.1
70°	237.2	238.9	243.8	245.5	247.1	252.0	255.3	260.3	265.2	270.2	273.5
72.5°	199.3	201.0	205.9	205.9	210.9	212.5	215.8	217.4	222.4	225.7	230.6
75°	163.1	164.7	169.7	169.7	174.6	176.3	177.9	179.6	182.9	186.1	189.4
77.5°	133.4	133.4	140.0	143.3	146.6	146.6	148.3	148.3	148.3	149.9	153.2
80°	105.4	105.4	110.4	113.7	117.0	117.0	118.6	120.3	121.9	121.9	123.6
82.5°	79.1	79.1	84.0	85.7	89.0	89.0	89.0	90.6	92.3	90.6	93.9
85°	54.4	54.4	57.7	59.3	62.6	62.6	62.6	64.2	65.9	64.2	65.9
87.5°	31.3	32.9	34.6	36.2	37.9	39.5	39.5	39.5	41.2	41.2	42.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3844.9	3825.1	3823.5	3800.4	3793.8	3795.5	3777.4	3770.8	3741.1	3734.5	3703.2
5°	3859.7	3869.6	3864.7	3863.0	3868.0	3864.7	3851.5	3844.9	3839.9	3826.8	3800.4
7.5°	3696.6	3703.2	3708.2	3729.6	3747.7	3779.0	3811.9	3833.4	3849.8	3853.1	3831.7
10°	3530.2	3561.5	3583.0	3615.9	3642.3	3660.4	3680.2	3698.3	3746.1	3793.8	3821.8
12.5°	3444.6	3452.8	3451.2	3469.3	3487.4	3535.2	3581.3	3607.7	3643.9	3665.3	3716.4
15°	3372.1	3373.8	3378.7	3391.9	3401.8	3418.2	3439.6	3479.2	3551.7	3584.6	3612.6
17.5°	3306.2	3306.2	3309.5	3321.0	3334.2	3349.0	3362.2	3378.7	3414.9	3469.3	3538.5
20°	3200.8	3246.9	3251.8	3250.2	3256.8	3284.8	3288.1	3317.7	3335.9	3357.3	3424.8
22.5°	3044.3	3072.3	3111.8	3172.8	3195.8	3209.0	3218.9	3232.1	3260.1	3284.8	3312.8
25°	2958.6	2976.7	2988.3	3006.4	3054.2	3131.6	3146.4	3161.2	3179.4	3197.5	3232.1
27.5°	2882.8	2881.2	2889.4	2905.9	2919.1	2960.3	3032.8	3090.4	3093.7	3120.1	3149.7
30°	2828.5	2818.6	2807.1	2803.8	2821.9	2843.3	2864.7	2955.3	3017.9	3031.1	3062.4
32.5°	2777.4	2760.9	2744.5	2731.3	2719.8	2737.9	2751.1	2790.6	2871.3	2947.1	2963.6
35°	2714.8	2698.3	2678.6	2663.7	2645.6	2644.0	2642.3	2680.2	2706.6	2797.2	2876.3
37.5°	2650.6	2632.4	2616.0	2599.5	2581.4	2568.2	2560.0	2569.9	2594.6	2634.1	2765.9
40°	2583.0	2561.6	2545.1	2532.0	2507.3	2497.4	2480.9	2474.3	2476.0	2510.5	2579.7
42.5°	1543.6	2461.1	2469.4	2454.5	2433.1	2419.9	2401.8	2393.6	2377.1	2393.6	2433.1
45°	594.7	601.3	1800.5	2378.8	2352.4	2335.9	2319.5	2311.2	2293.1	2279.9	2316.2
47.5°	583.2	589.7	576.6	817.1	2245.3	2250.3	2230.5	2222.3	2204.1	2194.3	2184.4
50°	574.9	579.9	570.0	573.3	561.7	2057.5	2139.9	2130.0	2110.2	2098.7	2078.9
52.5°	566.7	566.7	560.1	551.9	548.6	550.2	1731.4	2036.1	2013.0	2001.5	1975.2
55°	540.3	543.6	550.2	537.0	533.7	532.1	527.1	1649.0	1906.0	1892.8	1869.7
57.5°	500.8	507.4	525.5	522.2	522.2	509.0	505.7	505.7	1530.4	1782.4	1759.4
60°	454.7	461.3	481.0	487.6	492.6	489.3	486.0	484.3	477.7	1612.7	1642.4
62.5°	406.9	413.5	420.1	441.5	448.1	456.3	466.2	461.3	454.7	454.7	1518.8
65°	355.8	365.7	369.0	388.8	397.0	411.8	420.1	431.6	428.3	426.7	434.9
67.5°	311.3	322.9	324.5	332.8	347.6	354.2	364.1	385.5	395.4	398.7	402.0
70°	273.5	280.0	285.0	288.3	298.2	299.8	317.9	332.8	347.6	364.1	369.0
72.5°	235.6	240.5	250.4	247.1	250.4	257.0	266.9	276.8	291.6	314.6	329.5
75°	192.7	196.0	202.6	205.9	212.5	217.4	224.0	232.3	245.5	257.0	276.8
77.5°	154.8	156.5	161.4	163.1	169.7	174.6	186.1	191.1	199.3	207.6	219.1
80°	125.2	125.2	126.8	126.8	131.8	136.7	145.0	149.9	159.8	166.4	166.4
82.5°	95.5	95.5	100.5	100.5	103.8	103.8	108.7	108.7	113.7	117.0	120.3
85°	67.5	69.2	72.5	70.8	74.1	72.5	75.8	79.1	80.7	79.1	77.4
87.5°	44.5	44.5	47.8	46.1	47.8	47.8	51.1	51.1	52.7	52.7	51.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3691.7	3667.0	3652.2	3634.0	3629.1	3624.1	3630.7	3630.7	3620.9	3612.6	3597.8
5°	3777.4	3751.0	3723.0	3693.3	3665.3	3635.7	3624.1	3622.5	3604.4	3594.5	3589.6
7.5°	3821.8	3808.7	3777.4	3736.2	3693.3	3640.6	3617.6	3604.4	3586.3	3583.0	3583.0
10°	3826.8	3811.9	3795.5	3765.8	3716.4	3647.2	3602.7	3576.4	3559.9	3571.4	3592.8
12.5°	3779.0	3807.0	3792.2	3772.4	3732.9	3648.9	3584.6	3545.1	3540.1	3569.8	3625.8
15°	3657.1	3739.5	3780.6	3760.9	3729.6	3645.6	3555.0	3508.8	3508.8	3569.8	3642.3
17.5°	3564.8	3629.1	3729.6	3746.1	3709.8	3639.0	3527.0	3472.6	3487.4	3576.4	3653.8
20°	3489.1	3528.6	3625.8	3718.0	3683.5	3624.1	3485.8	3429.8	3459.4	3566.5	3670.3
22.5°	3370.5	3449.5	3508.8	3645.6	3657.1	3596.1	3444.6	3377.0	3436.4	3566.5	3662.0
25°	3255.1	3350.7	3413.3	3546.7	3617.6	3561.5	3406.7	3321.0	3411.6	3561.5	3655.4
27.5°	3174.4	3218.9	3332.6	3428.1	3558.3	3515.4	3355.6	3260.1	3380.3	3535.2	3617.6
30°	3088.8	3118.4	3230.4	3321.0	3479.2	3462.7	3302.9	3192.5	3340.8	3510.5	3518.7
32.5°	2994.9	3027.8	3085.5	3217.3	3368.8	3413.3	3243.6	3125.0	3298.0	3472.6	3403.4
35°	2899.3	2924.0	2970.2	3111.8	3240.3	3339.2	3171.1	3047.6	3268.3	3414.9	3293.0
37.5°	2803.8	2830.1	2869.7	2988.3	3105.2	3270.0	3108.5	2970.2	3214.0	3312.8	3177.7
40°	2713.2	2728.0	2769.2	2843.3	2993.2	3199.1	3037.7	2889.4	3158.0	3182.7	3021.2
42.5°	2546.8	2620.9	2658.8	2718.1	2866.4	3101.9	2955.3	2803.8	3095.4	3052.5	2864.7
45°	2367.2	2528.7	2545.1	2604.4	2754.4	2998.2	2877.9	2719.8	3036.0	2940.5	2716.5
47.5°	2220.6	2337.6	2433.1	2482.5	2620.9	2876.3	2805.4	2648.9	2947.1	2798.8	2571.5
50°	2090.5	2153.1	2326.0	2362.3	2461.1	2729.6	2719.8	2566.6	2823.5	2620.9	2429.8
52.5°	1963.6	2008.1	2164.6	2242.0	2322.7	2571.5	2617.6	2485.8	2688.5	2443.0	2286.5
55°	1853.3	1868.1	1953.7	2116.8	2189.3	2411.7	2505.6	2391.9	2517.1	2273.3	2148.1
57.5°	1739.6	1726.4	1789.0	1998.2	2050.9	2248.6	2387.0	2296.4	2378.8	2100.4	2004.8
60°	1621.0	1602.9	1629.2	1767.6	1904.3	2087.2	2247.0	2191.0	2210.7	1929.0	1845.0
62.5°	1497.4	1479.3	1471.1	1558.4	1761.0	1920.8	2105.3	2074.0	2004.8	1772.5	1647.3
65°	1368.9	1350.8	1337.6	1372.2	1602.9	1705.0	1947.2	1938.9	1779.1	1607.8	1387.1
67.5°	416.8	1228.9	1200.9	1199.3	1350.8	1509.0	1775.8	1762.7	1551.8	1431.5	1194.3
70°	375.6	996.6	1059.2	1044.4	1110.3	1309.6	1579.8	1569.9	1331.1	1148.2	1055.9
72.5°	344.3	352.5	935.7	919.2	934.0	1113.6	1375.5	1349.2	1128.4	906.0	912.6
75°	294.9	309.7	322.9	775.9	756.1	922.5	1153.1	1112.0	930.7	747.9	762.7
77.5°	240.5	258.6	268.5	565.0	611.2	657.3	920.9	866.5	640.8	598.0	285.0
80°	179.6	194.4	210.9	225.7	464.5	459.6	683.6	629.3	446.4	372.3	222.4
82.5°	131.8	136.7	146.6	163.1	184.5	308.1	439.8	387.1	309.7	169.7	153.2
85°	82.4	89.0	93.9	98.8	112.0	184.5	217.4	173.0	130.1	103.8	97.2
87.5°	52.7	52.7	51.1	52.7	54.4	65.9	74.1	70.8	56.0	52.7	52.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3581.3	3558.3	3558.3	3551.7	3556.6	3556.6	3555.0	3556.6	3568.1	3574.7	3586.3
5°	3579.7	3573.1	3587.9	3606.0	3627.4	3653.8	3660.4	3683.5	3704.9	3732.9	3762.5
7.5°	3601.1	3624.1	3652.2	3681.8	3724.6	3755.9	3783.9	3811.9	3831.7	3858.1	3874.5
10°	3632.4	3678.5	3726.3	3764.2	3810.3	3836.7	3854.8	3858.1	3830.1	3785.6	3749.3
12.5°	3676.9	3731.2	3775.7	3811.9	3833.4	3823.5	3770.8	3716.4	3685.1	3639.0	3574.7
15°	3714.8	3764.2	3810.3	3795.5	3737.8	3683.5	3642.3	3578.0	3515.4	3472.6	3444.6
17.5°	3731.2	3779.0	3762.5	3685.1	3630.7	3568.1	3484.1	3434.7	3393.5	3360.6	3344.1
20°	3741.1	3732.9	3643.9	3587.9	3482.5	3424.8	3370.5	3324.3	3293.0	3276.6	3273.3
22.5°	3714.8	3614.3	3538.5	3438.0	3360.6	3312.8	3270.0	3232.1	3210.7	3197.5	3189.3
25°	3627.4	3510.5	3398.5	3319.4	3253.5	3212.3	3179.4	3148.1	3121.7	3115.1	3098.6
27.5°	3505.5	3410.0	3261.7	3200.8	3143.1	3123.4	3087.1	3055.8	3032.8	3013.0	2960.3
30°	3405.1	3253.5	3146.4	3090.4	3055.8	3032.8	2991.6	2958.6	2919.1	2846.6	2817.0
32.5°	3281.5	3131.6	3029.5	2998.2	2955.3	2935.6	2889.4	2817.0	2756.0	2726.3	2724.7
35°	3121.7	2998.2	2924.0	2896.0	2861.4	2828.5	2732.9	2667.0	2637.4	2640.7	2665.4
37.5°	2988.3	2877.9	2830.1	2790.6	2751.1	2667.0	2586.3	2555.0	2563.3	2579.7	2591.3
40°	2853.2	2769.2	2714.8	2683.5	2594.6	2512.2	2469.4	2480.9	2495.7	2507.3	2522.1
42.5°	2721.4	2662.1	2607.7	2546.8	2424.9	2380.4	2390.3	2405.1	2418.3	2434.8	2449.6
45°	2596.2	2543.5	2480.9	2342.5	2281.6	2293.1	2307.9	2319.5	2339.2	2350.8	2365.6
47.5°	2477.6	2421.6	2311.2	2189.3	2182.7	2205.8	2219.0	2233.8	2248.6	2219.0	1224.0
50°	2344.2	2286.5	2118.5	2072.4	2087.2	2108.6	2125.1	2139.9	1906.0	757.8	583.2
52.5°	2212.4	2065.8	1958.7	1971.9	1986.7	2011.4	2022.9	1502.4	598.0	570.0	571.6
55°	2065.8	1878.0	1846.7	1863.1	1876.3	1901.0	1260.2	551.9	548.6	546.9	560.1
57.5°	1835.1	1721.5	1734.6	1751.1	1764.3	1245.4	537.0	533.7	535.4	537.0	538.7
60°	1629.2	1604.5	1619.3	1634.2	1156.4	518.9	509.0	510.7	517.3	512.3	499.1
62.5°	1466.1	1485.9	1500.7	1314.6	492.6	487.6	492.6	487.6	476.1	467.8	451.4
65°	1340.9	1360.7	1372.2	462.9	461.3	467.8	462.9	446.4	428.3	405.2	400.3
67.5°	1209.1	1228.9	439.8	428.3	434.9	426.7	406.9	387.1	373.9	354.2	345.9
70°	1072.4	459.6	398.7	397.0	385.5	372.3	350.9	331.1	314.6	306.4	298.2
72.5°	774.2	364.1	359.1	345.9	326.2	308.1	289.9	278.4	270.2	265.2	260.3
75°	322.9	316.3	301.5	278.4	258.6	250.4	237.2	229.0	225.7	215.8	212.5
77.5°	270.2	257.0	235.6	219.1	207.6	202.6	192.7	182.9	177.9	176.3	169.7
80°	207.6	189.4	179.6	171.3	168.0	156.5	145.0	140.0	136.7	135.1	130.1
82.5°	141.7	135.1	128.5	117.0	117.0	112.0	107.1	103.8	100.5	100.5	97.2
85°	92.3	87.3	85.7	80.7	80.7	77.4	75.8	74.1	72.5	70.8	69.2
87.5°	52.7	52.7	54.4	52.7	52.7	51.1	49.4	47.8	46.1	46.1	42.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3601.1	3617.6	3620.9	3676.9	3708.2	3706.5	3696.6	3726.3	3708.2	3698.3	3708.2
5°	3792.2	3811.9	3828.4	3889.4	3910.8	3920.7	3919.0	3935.5	3922.3	3910.8	3910.8
7.5°	3886.1	3892.7	3899.3	3884.4	3874.5	3858.1	3833.4	3797.1	3779.0	3759.2	3734.5
10°	3731.2	3709.8	3718.0	3688.4	3663.7	3645.6	3622.5	3592.8	3568.1	3550.0	3522.0
12.5°	3541.8	3540.1	3543.4	3548.4	3523.7	3508.8	3490.7	3469.3	3451.2	3431.4	3408.3
15°	3426.5	3428.1	3441.3	3436.4	3428.1	3419.9	3400.1	3393.5	3377.0	3355.6	3342.5
17.5°	3344.1	3352.3	3365.5	3358.9	3345.7	3337.5	3322.7	3307.9	3293.0	3276.6	3256.8
20°	3271.6	3279.9	3288.1	3279.9	3255.1	3243.6	3223.8	3177.7	3144.8	3111.8	3082.2
22.5°	3192.5	3197.5	3190.9	3164.5	3101.9	3072.3	3049.2	3036.0	3008.0	2989.9	2971.8
25°	3093.7	3065.7	3022.9	2993.2	2968.5	2955.3	2945.4	2943.8	2940.5	2937.2	2929.0
27.5°	2932.3	2922.4	2899.3	2887.8	2889.4	2894.4	2896.0	2901.0	2896.0	2889.4	2882.8
30°	2812.0	2817.0	2818.6	2821.9	2830.1	2835.1	2836.7	2843.3	2840.0	2835.1	2831.8
32.5°	2736.2	2747.8	2754.4	2764.2	2769.2	2777.4	2777.4	2787.3	2777.4	2775.8	2772.5
35°	2673.6	2683.5	2686.8	2701.6	2706.6	2714.8	2714.8	2723.1	2714.8	2630.8	2077.3
37.5°	2611.0	2620.9	2627.5	2640.7	2642.3	2647.3	2443.0	1787.4	1153.1	892.9	682.0
40°	2536.9	2548.4	2555.0	2560.0	1798.9	1141.6	785.8	639.2	639.2	644.1	649.1
42.5°	2457.8	2466.1	1718.2	999.9	622.7	621.0	626.0	630.9	635.9	642.5	649.1
45°	1932.3	975.2	619.4	604.6	609.5	616.1	622.7	629.3	637.5	644.1	647.4
47.5°	634.2	594.7	602.9	596.3	604.6	612.8	619.4	626.0	627.6	629.3	627.6
50°	586.5	586.5	591.4	591.4	598.0	601.3	601.3	601.3	594.7	593.0	588.1
52.5°	566.7	579.9	573.3	576.6	573.3	568.3	563.4	558.4	548.6	545.3	538.7
55°	556.8	561.7	545.3	540.3	533.7	520.6	514.0	507.4	499.1	495.8	487.6
57.5°	533.7	522.2	504.1	495.8	484.3	471.1	464.5	459.6	451.4	448.1	443.1
60°	490.9	467.8	456.3	446.4	433.3	421.7	416.8	413.5	406.9	405.2	400.3
62.5°	438.2	418.4	408.5	395.4	385.5	378.9	373.9	372.3	365.7	365.7	362.4
65°	380.5	370.7	362.4	349.2	344.3	337.7	336.1	334.4	331.1	329.5	326.2
67.5°	334.4	327.8	316.3	309.7	306.4	301.5	298.2	294.9	288.3	285.0	280.0
70°	293.2	288.3	276.8	271.8	265.2	257.0	252.0	248.7	243.8	240.5	235.6
72.5°	253.7	238.9	230.6	225.7	220.7	212.5	210.9	207.6	202.6	201.0	196.0
75°	204.3	192.7	187.8	184.5	179.6	174.6	174.6	174.6	169.7	168.0	166.4
77.5°	163.1	156.5	153.2	149.9	148.3	145.0	140.0	138.4	133.4	133.4	131.8
80°	125.2	121.9	118.6	117.0	115.3	112.0	108.7	107.1	102.1	102.1	100.5
82.5°	92.3	90.6	89.0	87.3	85.7	84.0	79.1	77.4	74.1	74.1	72.5
85°	65.9	64.2	61.0	59.3	59.3	57.7	52.7	51.1	47.8	47.8	47.8
87.5°	41.2	39.5	37.9	36.2	34.6	32.9	29.7	28.0	28.0	24.7	23.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3688.4	3716.4	3713.1	3732.9	3737.8	3747.7	3751.0	3752.6	3727.9	3747.7	3749.3
5°	3905.8	3910.8	3914.1	3922.3	3930.6	3932.2	3924.0	3914.1	3917.4	3910.8	3894.3
7.5°	3731.2	3706.5	3701.6	3695.0	3691.7	3688.4	3673.6	3686.7	3671.9	3665.3	3642.3
10°	3517.1	3494.0	3492.4	3492.4	3497.3	3495.7	3492.4	3485.8	3499.0	3490.7	3485.8
12.5°	3405.1	3396.8	3401.8	3398.5	3411.6	3414.9	3411.6	3411.6	3408.3	3401.8	3405.1
15°	3337.5	3330.9	3335.9	3330.9	3340.8	3342.5	3334.2	3339.2	3330.9	3322.7	3319.4
17.5°	3248.6	3233.7	3222.2	3205.7	3207.4	3204.1	3194.2	3194.2	3186.0	3164.5	3166.2
20°	3077.2	3062.4	3055.8	3055.8	3064.1	3067.3	3065.7	3069.0	3060.8	3057.5	3044.3
22.5°	2970.2	2968.5	2971.8	2980.0	2993.2	3011.3	3013.0	3013.0	3013.0	3011.3	2994.9
25°	2932.3	2932.3	2935.6	2947.1	2957.0	2970.2	2973.4	2976.7	2973.4	2973.4	2958.6
27.5°	2889.4	2886.1	2892.7	2904.3	2915.8	2925.7	2933.9	2935.6	2930.6	2930.6	2935.6
30°	2836.7	2835.1	2843.3	2854.8	2864.7	2874.6	2882.8	2889.4	2882.8	2882.8	2877.9
32.5°	2782.4	2782.4	2785.7	2716.5	2518.8	2268.4	2273.3	2128.4	2027.9	1901.0	2069.1
35°	1736.3	1263.5	1085.6	919.2	802.3	726.5	724.8	700.1	688.6	680.4	678.7
37.5°	655.6	658.9	665.5	668.8	673.8	677.1	678.7	678.7	678.7	678.7	677.1
40°	654.0	660.6	665.5	670.5	675.4	678.7	678.7	680.4	682.0	682.0	682.0
42.5°	655.6	662.2	668.8	673.8	677.1	678.7	680.4	682.0	682.0	682.0	682.0
45°	654.0	657.3	657.3	658.9	658.9	658.9	660.6	660.6	658.9	657.3	660.6
47.5°	629.3	629.3	624.3	622.7	621.0	617.8	619.4	617.8	616.1	614.5	617.8
50°	586.5	579.9	576.6	573.3	571.6	568.3	570.0	568.3	566.7	563.4	568.3
52.5°	535.4	533.7	527.1	523.9	522.2	523.9	520.6	518.9	517.3	515.6	517.3
55°	486.0	479.4	477.7	474.4	472.8	474.4	472.8	471.1	469.5	467.8	469.5
57.5°	441.5	436.5	434.9	431.6	431.6	431.6	431.6	430.0	428.3	426.7	428.3
60°	398.7	395.4	393.7	393.7	392.1	392.1	392.1	390.4	388.8	388.8	390.4
62.5°	362.4	362.4	357.5	355.8	355.8	357.5	355.8	354.2	352.5	350.9	354.2
65°	324.5	317.9	316.3	313.0	309.7	311.3	309.7	308.1	306.4	304.8	308.1
67.5°	278.4	276.8	270.2	266.9	265.2	266.9	265.2	263.6	261.9	260.3	263.6
70°	233.9	233.9	227.3	225.7	224.0	224.0	222.4	222.4	220.7	219.1	222.4
72.5°	194.4	194.4	192.7	189.4	187.8	186.1	184.5	182.9	182.9	184.5	184.5
75°	161.4	158.1	151.6	153.2	151.6	149.9	149.9	148.3	146.6	149.9	148.3
77.5°	126.8	125.2	120.3	121.9	120.3	118.6	118.6	117.0	115.3	117.0	117.0
80°	95.5	95.5	93.9	92.3	92.3	90.6	89.0	89.0	87.3	89.0	89.0
82.5°	69.2	69.2	67.5	65.9	64.2	64.2	62.6	62.6	62.6	62.6	62.6
85°	44.5	42.8	42.8	39.5	39.5	39.5	37.9	37.9	37.9	37.9	37.9
87.5°	21.4	21.4	19.8	19.8	18.1	16.5	16.5	14.8	14.8	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3719.7	3741.1	3723.0	3731.2	3732.9	3760.9	3759.2	3765.8	3754.3	3741.1	3723.0
5°	3909.1	3899.3	3886.1	3917.4	3900.9	3920.7	3927.3	3940.4	3940.4	3938.8	3924.0
7.5°	3667.0	3645.6	3662.0	3673.6	3678.5	3665.3	3691.7	3721.3	3746.1	3760.9	3762.5
10°	3477.5	3484.1	3482.5	3487.4	3499.0	3497.3	3513.8	3530.2	3536.8	3546.7	3550.0
12.5°	3388.6	3386.9	3390.2	3401.8	3408.3	3406.7	3423.2	3433.1	3436.4	3438.0	3436.4
15°	3317.7	3306.2	3314.4	3316.1	3321.0	3321.0	3340.8	3355.6	3362.2	3365.5	3362.2
17.5°	3184.3	3156.3	3182.7	3182.7	3200.8	3197.5	3228.8	3253.5	3266.7	3276.6	3276.6
20°	3052.5	3039.3	3049.2	3045.9	3059.1	3057.5	3077.2	3093.7	3105.2	3113.5	3123.4
22.5°	2999.8	3003.1	2988.3	2989.9	2989.9	2988.3	2998.2	3006.4	3009.7	3014.6	3011.3
25°	2965.2	2968.5	2963.6	2955.3	2952.0	2955.3	2960.3	2970.2	2971.8	2968.5	2957.0
27.5°	2930.6	2920.7	2929.0	2914.1	2910.8	2917.4	2924.0	2925.7	2927.3	2927.3	2917.4
30°	2877.9	2869.7	2877.9	2871.3	2864.7	2871.3	2876.3	2876.3	2879.6	2881.2	2869.7
32.5°	2011.4	2027.9	2294.7	2456.2	2683.5	2798.8	2820.2	2820.2	2823.5	2823.5	2813.7
35°	685.3	686.9	743.0	805.5	939.0	1103.7	1319.5	1431.5	1810.4	2263.4	2701.6
37.5°	677.1	675.4	673.8	672.1	670.5	668.8	665.5	663.9	673.8	799.0	1083.9
40°	680.4	678.7	675.4	673.8	672.1	668.8	667.2	663.9	660.6	657.3	654.0
42.5°	680.4	678.7	677.1	675.4	673.8	672.1	668.8	665.5	662.2	657.3	652.3
45°	657.3	657.3	658.9	658.9	660.6	660.6	660.6	658.9	658.9	657.3	650.7
47.5°	614.5	614.5	619.4	619.4	622.7	626.0	626.0	629.3	634.2	637.5	639.2
50°	565.0	565.0	570.0	571.6	574.9	579.9	584.8	586.5	591.4	598.0	604.6
52.5°	515.6	515.6	520.6	520.6	523.9	528.8	533.7	535.4	542.0	548.6	556.8
55°	469.5	469.5	472.8	474.4	476.1	479.4	484.3	484.3	490.9	495.8	504.1
57.5°	428.3	431.6	431.6	431.6	433.3	436.5	439.8	439.8	444.8	449.7	456.3
60°	388.8	392.1	392.1	392.1	393.7	395.4	398.7	398.7	402.0	405.2	411.8
62.5°	352.5	355.8	355.8	357.5	357.5	359.1	362.4	360.8	364.1	365.7	370.7
65°	306.4	309.7	311.3	313.0	314.6	317.9	322.9	321.2	326.2	329.5	334.4
67.5°	261.9	265.2	265.2	266.9	268.5	271.8	275.1	275.1	280.0	283.3	289.9
70°	220.7	224.0	224.0	225.7	227.3	230.6	233.9	232.3	237.2	240.5	245.5
72.5°	182.9	186.1	186.1	187.8	187.8	191.1	194.4	197.7	197.7	201.0	204.3
75°	148.3	149.9	151.6	151.6	153.2	154.8	158.1	161.4	163.1	164.7	168.0
77.5°	117.0	118.6	120.3	120.3	121.9	123.6	125.2	131.8	135.1	136.7	136.7
80°	89.0	90.6	90.6	90.6	92.3	93.9	97.2	97.2	103.8	103.8	105.4
82.5°	62.6	64.2	64.2	64.2	65.9	69.2	70.8	72.5	75.8	77.4	77.4
85°	37.9	39.5	39.5	39.5	41.2	42.8	46.1	47.8	49.4	49.4	51.1
87.5°	14.8	16.5	18.1	18.1	19.8	21.4	23.1	24.7	26.4	26.4	28.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3703.2	3714.8	3703.2	3709.8	3718.0	3703.2	3668.6	3655.4	3650.5	3630.7	3617.6
5°	3909.1	3909.1	3904.2	3917.4	3915.7	3892.7	3856.4	3839.9	3823.5	3802.1	3785.6
7.5°	3762.5	3775.7	3783.9	3835.0	3868.0	3871.2	3894.3	3899.3	3905.8	3899.3	3889.4
10°	3551.7	3546.7	3569.8	3617.6	3645.6	3660.4	3704.9	3726.3	3744.4	3780.6	3818.5
12.5°	3433.1	3439.6	3449.5	3484.1	3510.5	3503.9	3522.0	3536.8	3558.3	3594.5	3648.9
15°	3354.0	3360.6	3370.5	3396.8	3413.3	3405.1	3414.9	3424.8	3439.6	3457.8	3490.7
17.5°	3268.3	3279.9	3291.4	3319.4	3334.2	3332.6	3340.8	3344.1	3349.0	3360.6	3383.6
20°	3134.9	3171.1	3194.2	3232.1	3253.5	3250.2	3265.0	3270.0	3276.6	3288.1	3298.0
22.5°	3013.0	3022.9	3034.4	3075.6	3111.8	3156.3	3166.2	3179.4	3195.8	3207.4	3217.3
25°	2943.8	2937.2	2942.1	2970.2	2989.9	2993.2	3008.0	3050.9	3095.4	3115.1	3138.2
27.5°	2902.6	2896.0	2894.4	2907.6	2910.8	2902.6	2899.3	2912.5	2945.4	2978.4	3047.6
30°	2858.1	2849.9	2843.3	2854.8	2859.8	2848.3	2826.8	2815.3	2835.1	2843.3	2871.3
32.5°	2805.4	2797.2	2793.9	2800.5	2803.8	2793.9	2770.8	2757.6	2754.4	2747.8	2754.4
35°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
37.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
40°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
42.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
45°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
47.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
50°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
52.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
55°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
57.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
60°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
62.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
65°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
67.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
70°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
72.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
75°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
77.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
80°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
82.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
85°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
87.5°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2
90°	2746.1	2737.9	2732.9	2734.6	2741.2	2732.9	2713.2	2696.7	2688.5	2670.3	2657.2



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5	3594.5
2.5°	3612.6	3604.4	3599.4	3586.3	3583.0	3561.5	3564.8	3561.5	3561.5	3566.5	3583.0
5°	3767.5	3727.9	3718.0	3690.0	3667.0	3627.4	3602.7	3589.6	3569.8	3561.5	3573.1
7.5°	3872.9	3843.2	3818.5	3793.8	3760.9	3714.8	3680.2	3640.6	3607.7	3576.4	3568.1
10°	3854.8	3887.7	3887.7	3872.9	3841.6	3795.5	3754.3	3704.9	3647.2	3597.8	3568.1
12.5°	3701.6	3759.2	3805.4	3839.9	3871.2	3839.9	3798.8	3759.2	3695.0	3622.5	3568.1
15°	3533.5	3592.8	3650.5	3723.0	3798.8	3830.1	3828.4	3782.3	3724.6	3648.9	3573.1
17.5°	3414.9	3456.1	3487.4	3566.5	3658.7	3739.5	3793.8	3797.1	3741.1	3673.6	3574.7
20°	3326.0	3355.6	3382.0	3426.5	3507.2	3606.0	3706.5	3762.5	3752.6	3678.5	3579.7
22.5°	3245.3	3266.7	3288.1	3321.0	3385.3	3449.5	3566.5	3681.8	3731.2	3670.3	3574.7
25°	3164.5	3187.6	3204.1	3227.1	3278.2	3330.9	3413.3	3556.6	3667.0	3663.7	3564.8
27.5°	3069.0	3100.3	3120.1	3151.4	3186.0	3225.5	3281.5	3416.6	3574.7	3630.7	3538.5
30°	2953.7	2999.8	3029.5	3064.1	3093.7	3128.3	3172.8	3255.1	3451.2	3566.5	3510.5
32.5°	2787.3	2869.7	2935.6	2968.5	3001.5	3031.1	3070.6	3139.8	3299.6	3479.2	3479.2
35°	2668.7	2706.6	2765.9	2861.4	2902.6	2932.3	2968.5	3022.9	3125.0	3375.4	3428.1
37.5°	2576.4	2591.3	2620.9	2714.8	2792.2	2840.0	2876.3	2910.8	3011.3	3233.7	3362.2
40°	2507.3	2502.3	2499.0	2543.5	2653.9	2729.6	2770.8	2805.4	2882.8	3064.1	3274.9
42.5°	2426.5	2421.6	2405.1	2416.6	2471.0	2597.9	2660.5	2698.3	2762.6	2886.1	3179.4
45°	2342.5	2334.3	2327.7	2316.2	2335.9	2406.8	2535.3	2591.3	2627.5	2737.9	3059.1
47.5°	2256.9	2245.3	2237.1	2227.2	2215.7	2248.6	2370.5	2471.0	2533.6	2602.8	2914.1
50°	2135.0	2149.8	2139.9	2128.4	2118.5	2111.9	2163.0	2327.7	2405.1	2461.1	2737.9
52.5°	1006.5	1957.0	2039.4	2027.9	2014.7	2003.2	2014.7	2139.9	2279.9	2324.4	2525.4
55°	573.3	871.4	1813.7	1917.5	1906.0	1889.5	1879.6	1922.4	2131.7	2191.0	2331.0
57.5°	551.9	553.5	800.6	1728.1	1792.3	1777.5	1765.9	1775.8	1953.7	2054.2	2161.3
60°	533.7	533.7	533.7	764.4	1652.3	1657.2	1642.4	1625.9	1703.3	1901.0	1990.0
62.5°	494.2	504.1	509.0	509.0	754.5	1530.4	1515.6	1510.6	1513.9	1716.5	1818.7
65°	443.1	466.2	476.1	482.7	482.7	792.4	1385.4	1377.2	1365.6	1443.1	1645.7
67.5°	387.1	410.2	431.6	444.8	446.4	461.3	827.0	1240.4	1224.0	1225.6	1461.2
70°	329.5	349.2	372.3	392.1	410.2	418.4	431.6	1029.6	1083.9	1060.9	1252.0
72.5°	285.0	293.2	309.7	329.5	350.9	370.7	382.2	410.2	940.6	915.9	952.2
75°	237.2	243.8	255.3	268.5	285.0	308.1	327.8	347.6	499.1	767.7	762.7
77.5°	184.5	196.0	209.2	217.4	225.7	242.2	268.5	288.3	308.1	518.9	611.2
80°	141.7	149.9	156.5	164.7	174.6	186.1	196.0	219.1	242.2	260.3	467.8
82.5°	105.4	110.4	115.3	118.6	121.9	128.5	146.6	154.8	169.7	186.1	220.7
85°	74.1	77.4	80.7	82.4	84.0	85.7	92.3	93.9	108.7	112.0	133.4
87.5°	47.8	49.4	52.7	54.4	54.4	56.0	57.7	57.7	57.7	54.4	65.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3594.5	3594.5
2.5°	3596.1	3622.5
5°	3591.2	3625.8
7.5°	3578.0	3611.0
10°	3558.3	3597.8
12.5°	3536.8	3574.7
15°	3518.7	3546.7
17.5°	3499.0	3515.4
20°	3472.6	3485.8
22.5°	3446.2	3439.6
25°	3416.6	3401.8
27.5°	3378.7	3350.7
30°	3344.1	3294.7
32.5°	3311.2	3230.4
35°	3266.7	3164.5
37.5°	3220.5	3097.0
40°	3166.2	3019.6
42.5°	3108.5	2942.1
45°	3036.0	2868.0
47.5°	2971.8	2779.1
50°	2882.8	2683.5
52.5°	2774.1	2594.6
55°	2645.6	2485.8
57.5°	2507.3	2372.2
60°	2359.0	2242.0
62.5°	2179.4	2106.9
65°	1968.6	1952.1
67.5°	1693.5	1780.8
70°	1388.7	1584.7
72.5°	1161.4	1377.2
75°	952.2	1144.9
77.5°	754.5	897.8
80°	471.1	657.3
82.5°	316.3	431.6
85°	191.1	205.9
87.5°	74.1	75.8
90°	0.0	0.0

(END OF REPORT)