

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-L950-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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
WHITE REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

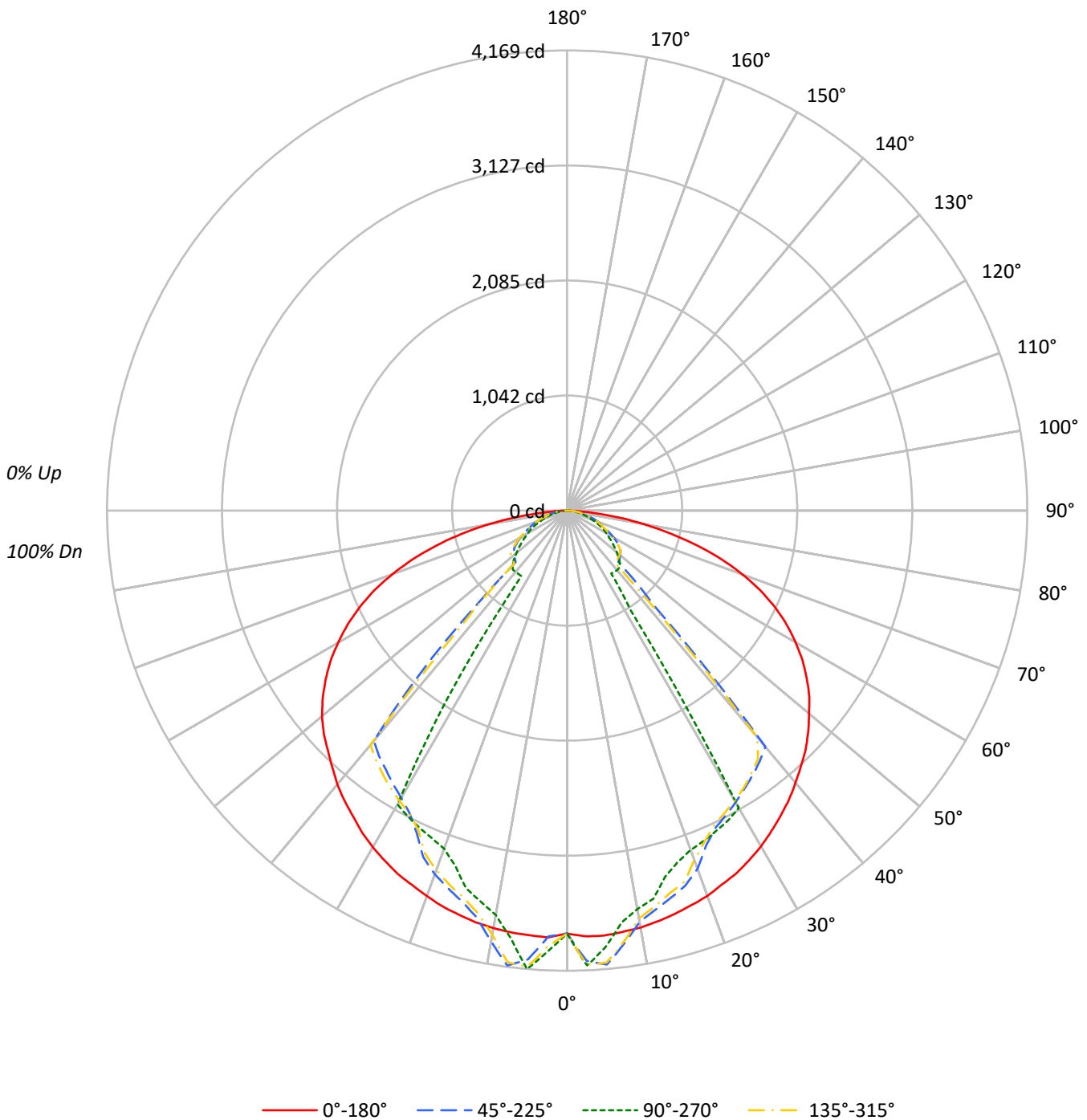
Lumens per Lamp: N/A  
Luminaire Lumens: 7673.0 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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-L950-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°	15482	15482	15482	15482
5°	15655	15599	15648	16371
10°	15692	14103	15714	14319
15°	15749	13048	15786	13462
20°	15887	12376	15887	12329
25°	16049	12139	16073	12026
30°	16239	11925	16280	11784
35°	16459	2716	16494	2833
40°	16758	2825	16859	2916
45°	17201	2809	17260	2911
50°	17653	2540	17891	2608
55°	18260	2255	18405	2287
60°	18805	2004	18846	2029
65°	19250	1748	19201	1721
70°	19135	1409	19076	1359
75°	18004	1085	18132	1039
80°	14977	770	15578	705
85°	8634	462	9118	354



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.0	4.9
10°-20°	1036.5	13.5
20°-30°	1535.3	20.0
30°-40°	1547.0	20.2
40°-50°	1208.4	15.7
50°-60°	933.4	12.2
60°-70°	626.7	8.2
70°-80°	319.7	4.2
80°-90°	88.9	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°	2948.9	38.4
0°-40°	4495.8	58.6
0°-60°	6637.7	86.5
0°-90°	7673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7673.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3832	3832	3832	3832	3832	
5°	3865	3972	3863	4169	3865	368
15°	3781	3433	3790	3542	3781	1069
25°	3626	3200	3632	3170	3626	1673
35°	3373	695	3380	725	3373	2114
45°	3057	676	3068	701	3057	2358
55°	2650	492	2671	499	2650	2367
65°	2081	330	2076	325	2081	2047
75°	1220	167	1229	160	1220	1276
85°	220	53	232	40	220	302
90°	0	0	0	0	0	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	3861.6	3875.6	3886.1	3893.2	3896.7	3896.7	3898.4	3900.2	3923.0	3933.5	3940.6
5°	3865.1	3879.1	3900.2	3928.3	3952.9	3973.9	3991.5	4016.1	4040.7	4067.0	4075.8
7.5°	3849.3	3866.8	3909.0	3959.9	4007.3	4040.7	4063.5	4079.3	4091.6	4093.4	4102.1
10°	3835.2	3866.8	3924.8	3991.5	4051.2	4091.6	4091.6	4082.8	4095.1	4047.7	4000.3
12.5°	3810.6	3845.7	3924.8	4012.6	4068.8	4084.6	4077.5	4042.4	3970.4	3912.5	3886.1
15°	3780.8	3828.2	3926.5	4024.9	4072.3	4077.5	4010.8	3921.3	3866.8	3831.7	3787.8
17.5°	3747.4	3810.6	3928.3	4026.6	4044.2	4019.6	3893.2	3837.0	3780.8	3698.2	3638.5
20°	3715.8	3777.3	3914.2	4002.0	4012.6	3901.9	3803.6	3743.9	3649.1	3577.1	3550.7
22.5°	3666.6	3738.6	3901.9	3968.7	3928.3	3800.1	3705.3	3610.4	3524.4	3503.3	3471.7
25°	3626.2	3701.8	3873.8	3928.3	3821.2	3707.0	3596.4	3485.8	3445.4	3415.5	3387.4
27.5°	3571.8	3664.9	3837.0	3854.5	3707.0	3606.9	3445.4	3396.2	3359.3	3326.0	3313.7
30°	3512.1	3626.2	3786.0	3752.7	3612.2	3464.7	3345.3	3299.6	3273.3	3238.2	3224.1
32.5°	3443.6	3568.3	3729.8	3635.0	3510.3	3326.0	3248.7	3213.6	3178.4	3152.1	3064.3
35°	3373.4	3517.4	3663.1	3522.6	3387.4	3220.6	3152.1	3120.5	3087.1	2990.6	2899.2
37.5°	3301.4	3461.2	3582.3	3401.5	3224.1	3111.7	3053.8	3018.6	2943.1	2820.2	2774.6
40°	3218.8	3392.7	3478.7	3276.8	3081.9	3001.1	2946.7	2911.5	2741.2	2686.8	2672.7
42.5°	3136.3	3326.0	3352.3	3155.6	2964.2	2883.4	2837.8	2721.9	2606.0	2577.9	2583.1
45°	3057.3	3254.0	3213.6	2983.5	2841.3	2774.6	2697.3	2537.5	2476.0	2490.1	2493.6
47.5°	2962.5	3167.9	3067.8	2811.4	2714.9	2648.1	2476.0	2379.4	2370.7	2390.0	2400.5
50°	2860.6	3071.3	2913.3	2655.1	2577.9	2498.9	2303.9	2254.8	2265.3	2284.6	2296.9
52.5°	2765.8	2962.5	2753.5	2509.4	2442.7	2261.8	2130.1	2138.9	2156.4	2179.3	2186.3
55°	2649.9	2830.8	2583.1	2361.9	2298.7	2061.6	2001.9	2023.0	2040.5	2059.8	2073.9
57.5°	2528.7	2679.7	2381.2	2196.8	2095.0	1884.2	1889.5	1903.6	1915.8	1938.7	800.8
60°	2390.0	2507.6	2159.9	2044.0	1842.1	1743.8	1749.0	1773.6	1785.9	997.4	551.4
62.5°	2246.0	2307.4	1959.8	1870.2	1610.3	1603.3	1627.9	1638.4	1115.1	526.8	516.3
65°	2080.9	2068.6	1763.1	1620.8	1452.3	1459.3	1485.6	1432.9	493.4	493.4	489.9
67.5°	1898.3	1824.5	1571.7	1341.6	1299.5	1315.3	1343.4	468.9	456.6	460.1	447.8
70°	1689.3	1585.7	1373.2	1136.2	1150.2	1166.0	453.1	425.0	419.7	410.9	386.3
72.5°	1468.1	1325.8	1123.9	986.9	995.7	625.2	396.9	382.8	365.3	347.7	321.4
75°	1220.5	1036.1	825.3	825.3	837.6	356.5	345.9	323.1	303.8	281.0	265.2
77.5°	957.0	797.2	641.0	665.5	324.9	298.5	279.2	254.6	238.8	224.8	216.0
80°	700.7	556.7	482.9	432.0	252.9	226.5	207.2	193.2	186.1	177.4	166.8
82.5°	460.1	335.4	335.4	203.7	177.4	156.3	151.0	140.5	133.5	128.2	122.9
85°	219.5	194.9	147.5	124.7	110.6	100.1	96.6	91.3	91.3	89.6	87.8
87.5°	80.8	87.8	65.0	63.2	59.7	57.9	59.7	59.7	61.5	59.7	57.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	3958.1	3972.2	3982.7	4000.3	4023.1	4042.4	4060.0	4084.6	4123.2	4133.7	4142.5
5°	4075.8	4081.1	4093.4	4107.4	4110.9	4119.7	4117.9	4128.5	4133.7	4146.0	4119.7
7.5°	4082.8	4054.7	4021.4	3991.5	3970.4	3951.1	3938.8	3958.1	3968.7	3977.5	3951.1
10°	3935.3	3901.9	3882.6	3865.1	3844.0	3814.1	3773.7	3782.5	3779.0	3779.0	3770.2
12.5°	3842.2	3794.8	3745.7	3701.8	3682.4	3680.7	3682.4	3701.8	3701.8	3700.0	3689.5
15°	3696.5	3650.8	3626.2	3615.7	3615.7	3610.4	3610.4	3631.5	3626.2	3626.2	3621.0
17.5°	3599.9	3568.3	3550.7	3538.4	3533.2	3542.0	3552.5	3561.3	3563.0	3556.0	3527.9
20°	3520.9	3491.0	3470.0	3473.5	3471.7	3477.0	3482.2	3452.4	3415.5	3366.3	3343.5
22.5°	3438.3	3415.5	3399.7	3399.7	3378.6	3345.3	3296.1	3285.6	3280.3	3257.5	3238.2
25°	3359.3	3333.0	3310.2	3239.9	3196.0	3201.3	3192.5	3174.9	3173.2	3171.4	3178.4
27.5°	3280.3	3211.8	3124.0	3113.5	3095.9	3094.2	3104.7	3113.5	3113.5	3120.5	3129.3
30°	3117.0	3038.0	3022.2	3002.8	3009.9	3034.5	3039.7	3052.0	3055.5	3067.8	3074.8
32.5°	2967.7	2932.6	2918.6	2927.3	2950.2	2971.2	2983.5	2988.8	2997.6	3008.1	3016.9
35°	2846.6	2836.0	2848.3	2867.6	2890.5	2908.0	2918.6	2929.1	2937.9	2946.7	2953.7
37.5°	2757.0	2764.0	2781.6	2806.2	2829.0	2843.0	2851.8	2864.1	2876.4	2886.9	2844.8
40°	2672.7	2690.3	2709.6	2735.9	2755.2	2769.3	2778.1	2793.9	2688.5	1216.9	667.3
42.5°	2599.0	2618.3	2632.3	2653.4	2674.5	2685.0	2607.7	1164.3	658.5	655.0	663.8
45°	2509.4	2525.2	2548.0	2563.8	2583.1	1696.3	648.0	655.0	644.5	651.5	655.0
47.5°	2418.1	2442.7	2455.0	2342.6	697.2	644.5	637.4	644.5	637.4	646.2	641.0
50°	2314.5	2344.3	1668.2	630.4	625.2	621.6	628.7	625.2	630.4	637.4	623.4
52.5°	2209.1	1368.0	611.1	607.6	611.1	607.6	619.9	611.1	612.9	605.8	588.3
55°	748.1	591.8	586.5	584.8	595.3	595.3	595.3	581.3	572.5	554.9	542.6
57.5°	572.5	572.5	570.7	572.5	569.0	565.4	549.6	537.4	525.1	500.5	493.4
60°	542.6	542.6	542.6	542.6	526.8	519.8	495.2	484.7	463.6	451.3	444.3
62.5°	518.0	514.5	498.7	493.4	475.9	456.6	442.5	432.0	410.9	403.9	398.6
65°	482.9	470.6	451.3	430.2	421.5	400.4	393.4	377.6	367.0	361.7	358.2
67.5°	425.0	407.4	391.6	377.6	361.7	354.7	345.9	333.6	326.6	323.1	319.6
70°	363.5	351.2	335.4	326.6	316.1	310.8	298.5	295.0	289.7	284.5	279.2
72.5°	303.8	296.8	289.7	277.5	273.9	270.4	258.1	251.1	244.1	237.1	233.6
75°	254.6	249.4	245.8	235.3	230.0	219.5	210.7	205.5	200.2	194.9	191.4
77.5°	209.0	205.5	194.9	187.9	184.4	175.6	172.1	173.8	170.3	163.3	159.8
80°	163.3	159.8	151.0	151.0	147.5	144.0	140.5	137.0	133.5	128.2	124.7
82.5°	124.7	121.2	117.7	114.1	110.6	108.9	107.1	103.6	100.1	96.6	94.8
85°	87.8	86.0	84.3	82.5	80.8	79.0	77.3	73.8	70.2	68.5	66.7
87.5°	59.7	57.9	56.2	54.4	52.7	50.9	49.2	47.4	43.9	42.1	40.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	4142.5	4151.3	4142.5	4123.2	4110.9	4105.6	4116.2	4116.2	4123.2	4132.0	4133.7
5°	4077.5	4056.5	4031.9	4007.3	3995.0	3988.0	3968.7	3972.2	3977.5	3981.0	3984.5
7.5°	3916.0	3887.9	3854.5	3822.9	3810.6	3800.1	3777.3	3777.3	3777.3	3779.0	3789.6
10°	3750.9	3738.6	3724.6	3703.5	3687.7	3682.4	3663.1	3668.4	3664.9	3670.1	3682.4
12.5°	3673.7	3659.6	3647.3	3626.2	3608.7	3601.7	3592.9	3598.1	3596.4	3605.2	3615.7
15°	3603.4	3596.4	3582.3	3566.5	3550.7	3536.7	3505.1	3494.5	3487.5	3478.7	3491.0
17.5°	3487.5	3438.3	3405.0	3380.4	3362.8	3350.5	3341.8	3341.8	3347.0	3352.3	3362.8
20°	3329.5	3315.4	3299.6	3273.3	3255.7	3248.7	3243.4	3243.4	3252.2	3259.2	3278.5
22.5°	3220.6	3218.8	3213.6	3201.3	3192.5	3192.5	3194.3	3197.8	3210.1	3220.6	3239.9
25°	3169.7	3176.7	3173.2	3166.2	3160.9	3162.6	3159.1	3162.6	3174.9	3185.5	3201.3
27.5°	3129.3	3139.8	3136.3	3125.8	3117.0	3120.5	3125.8	3122.3	3132.8	3145.1	3157.4
30°	3074.8	3076.6	3083.6	3071.3	3067.8	3073.1	3074.8	3078.4	3088.9	3097.7	3108.2
32.5°	3013.4	3027.4	3025.7	3013.4	3013.4	3018.6	3020.4	2902.7	2683.2	2311.0	2209.1
35°	2953.7	2969.5	2943.1	2481.3	1717.4	916.7	707.7	683.1	688.4	691.9	695.4
37.5°	2184.5	1036.1	660.3	665.5	670.8	676.1	681.3	686.6	691.9	697.2	698.9
40°	656.8	655.0	660.3	667.3	672.6	676.1	683.1	688.4	693.6	698.9	700.7
42.5°	649.7	653.3	658.5	665.5	672.6	679.6	684.9	691.9	695.4	698.9	700.7
45°	646.2	653.3	660.3	665.5	670.8	674.3	677.8	679.6	677.8	677.8	681.3
47.5°	641.0	648.0	649.7	648.0	649.7	648.0	648.0	648.0	642.7	641.0	641.0
50°	621.6	621.6	618.1	611.1	609.3	607.6	604.1	602.3	595.3	593.5	593.5
52.5°	581.3	579.5	574.2	565.4	561.9	558.4	556.7	554.9	547.9	544.4	546.1
55°	533.8	530.3	525.1	514.5	512.8	509.3	507.5	505.7	498.7	502.2	497.0
57.5°	489.9	482.9	475.9	474.1	467.1	465.4	463.6	461.8	456.6	458.3	454.8
60°	437.3	435.5	432.0	425.0	425.0	423.2	423.2	419.7	416.2	414.4	414.4
62.5°	398.6	393.4	389.8	389.8	384.6	384.6	384.6	381.1	377.6	379.3	377.6
65°	356.5	354.7	353.0	349.5	349.5	347.7	347.7	344.2	338.9	340.7	337.2
67.5°	321.4	317.8	314.3	312.6	305.6	302.0	300.3	298.5	291.5	293.3	289.7
70°	277.5	272.2	268.7	265.2	259.9	256.4	256.4	252.9	247.6	249.4	245.8
72.5°	231.8	228.3	224.8	223.0	217.8	216.0	214.2	212.5	207.2	209.0	207.2
75°	193.2	193.2	191.4	189.7	184.4	179.1	175.6	173.8	170.3	172.1	168.6
77.5°	159.8	156.3	152.8	152.8	147.5	144.0	140.5	140.5	140.5	138.7	137.0
80°	124.7	121.2	121.2	119.4	115.9	112.4	110.6	110.6	108.9	108.9	107.1
82.5°	94.8	91.3	89.6	89.6	86.0	84.3	82.5	80.8	80.8	80.8	79.0
85°	66.7	63.2	61.5	61.5	57.9	56.2	56.2	54.4	54.4	52.7	52.7
87.5°	40.4	38.6	36.9	36.9	33.4	31.6	31.6	31.6	29.9	29.9	28.1
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	4133.7	4133.7	4121.4	4125.0	4119.7	4126.7	4117.9	4117.9	4128.5	4128.5	4135.5
5°	3986.2	3977.5	3975.7	3972.2	3954.6	3961.6	3952.9	3944.1	3956.4	3956.4	3972.2
7.5°	3784.3	3768.5	3775.5	3765.0	3754.4	3738.6	3743.9	3736.9	3745.7	3757.9	3773.7
10°	3680.7	3666.6	3675.4	3664.9	3670.1	3647.3	3649.1	3650.8	3659.6	3663.1	3677.2
12.5°	3613.9	3610.4	3606.9	3603.4	3606.9	3594.6	3587.6	3589.4	3592.9	3594.6	3605.2
15°	3473.5	3450.6	3457.7	3433.1	3434.8	3436.6	3422.5	3436.6	3434.8	3457.7	3478.7
17.5°	3359.3	3359.3	3347.0	3336.5	3329.5	3327.7	3317.2	3324.2	3317.2	3331.2	3336.5
20°	3280.3	3278.5	3276.8	3271.5	3254.0	3255.7	3261.0	3245.2	3243.4	3241.7	3252.2
22.5°	3243.4	3245.2	3238.2	3238.2	3222.3	3225.9	3227.6	3210.1	3211.8	3206.5	3211.8
25°	3204.8	3208.3	3199.5	3199.5	3196.0	3194.3	3185.5	3189.0	3178.4	3169.7	3178.4
27.5°	3159.1	3166.2	3159.1	3162.6	3155.6	3152.1	3146.8	3143.3	3132.8	3131.0	3136.3
30°	3117.0	3120.5	3118.7	3110.0	3108.2	3097.7	3102.9	3092.4	3081.9	3083.6	3087.1
32.5°	1598.0	1526.0	1176.6	1062.4	1051.9	1090.5	1292.5	1573.4	2038.8	2490.1	2814.9
35°	697.2	697.2	697.2	695.4	695.4	693.6	691.9	690.1	688.4	686.6	684.9
37.5°	700.7	700.7	700.7	700.7	698.9	697.2	697.2	693.6	691.9	690.1	688.4
40°	702.4	704.2	704.2	704.2	702.4	702.4	700.7	697.2	695.4	691.9	688.4
42.5°	700.7	702.4	702.4	700.7	700.7	698.9	698.9	697.2	695.4	693.6	691.9
45°	677.8	679.6	676.1	676.1	674.3	674.3	674.3	674.3	674.3	676.1	676.1
47.5°	637.4	637.4	635.7	633.9	633.9	632.2	633.9	632.2	635.7	637.4	641.0
50°	590.0	590.0	586.5	584.8	584.8	584.8	584.8	586.5	588.3	591.8	595.3
52.5°	540.9	540.9	539.1	537.4	535.6	535.6	540.9	539.1	540.9	542.6	547.9
55°	493.4	495.2	491.7	491.7	489.9	489.9	489.9	491.7	493.4	495.2	500.5
57.5°	453.1	453.1	449.5	449.5	449.5	447.8	453.1	449.5	451.3	453.1	456.6
60°	412.7	410.9	410.9	409.2	409.2	409.2	412.7	410.9	410.9	412.7	416.2
62.5°	375.8	375.8	374.0	374.0	372.3	372.3	375.8	374.0	374.0	375.8	377.6
65°	333.6	333.6	331.9	330.1	335.4	330.1	335.4	331.9	335.4	337.2	340.7
67.5°	286.2	286.2	286.2	284.5	284.5	288.0	289.7	286.2	288.0	291.5	293.3
70°	244.1	244.1	242.3	242.3	242.3	245.8	247.6	244.1	245.8	247.6	251.1
72.5°	207.2	203.7	203.7	201.9	205.5	205.5	207.2	205.5	207.2	207.2	210.7
75°	170.3	166.8	166.8	166.8	170.3	168.6	170.3	168.6	170.3	170.3	172.1
77.5°	137.0	135.2	133.5	133.5	137.0	137.0	137.0	135.2	137.0	138.7	140.5
80°	107.1	105.4	103.6	103.6	107.1	107.1	107.1	108.9	107.1	108.9	110.6
82.5°	79.0	77.3	75.5	79.0	79.0	79.0	79.0	80.8	79.0	80.8	82.5
85°	52.7	50.9	49.2	52.7	52.7	52.7	52.7	54.4	52.7	54.4	56.2
87.5°	28.1	26.3	26.3	28.1	28.1	28.1	29.9	29.9	29.9	31.6	31.6
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	4146.0	4151.3	4149.5	4139.0	4128.5	4116.2	4107.4	4109.2	4126.7	4132.0	4116.2
5°	3972.2	4005.5	4005.5	4028.4	4016.1	4005.5	4012.6	4051.2	4070.5	4100.4	4110.9
7.5°	3793.1	3808.9	3807.1	3829.9	3826.4	3826.4	3831.7	3882.6	3907.2	3931.8	3938.8
10°	3693.0	3708.8	3707.0	3708.8	3703.5	3691.2	3691.2	3714.0	3735.1	3747.4	3750.9
12.5°	3621.0	3629.8	3628.0	3628.0	3624.5	3613.9	3612.2	3631.5	3654.3	3670.1	3671.9
15°	3513.9	3538.4	3543.7	3566.5	3561.3	3547.2	3550.7	3566.5	3580.6	3594.6	3589.4
17.5°	3354.1	3366.3	3368.1	3376.9	3373.4	3373.4	3394.4	3452.4	3491.0	3524.4	3527.9
20°	3262.7	3271.5	3268.0	3287.3	3278.5	3276.8	3282.1	3306.6	3324.2	3340.0	3368.1
22.5°	3218.8	3225.9	3220.6	3222.3	3206.5	3192.5	3189.0	3208.3	3227.6	3248.7	3248.7
25°	3182.0	3187.2	3185.5	3182.0	3169.7	3150.4	3146.8	3150.4	3157.4	3159.1	3146.8
27.5°	3138.1	3141.6	3141.6	3143.3	3127.5	3110.0	3106.5	3102.9	3110.0	3108.2	3088.9
30°	3092.4	3087.1	3088.9	3090.6	3076.6	3060.8	3053.8	3052.0	3059.0	3057.3	3038.0
32.5°	2983.5	3023.9	3027.4	3030.9	3018.6	3004.6	2997.6	2992.3	2995.8	2994.1	2976.5
35°	683.1	695.4	851.7	1928.1	2618.3	2899.2	2929.1	2922.1	2923.8	2923.8	2909.8
37.5°	684.9	683.1	681.3	676.1	670.8	667.3	1153.7	2460.2	2850.1	2851.8	2839.5
40°	684.9	683.1	681.3	677.8	670.8	665.5	656.8	649.7	665.5	1464.5	2679.7
42.5°	688.4	684.9	681.3	677.8	670.8	663.8	656.8	648.0	653.3	649.7	641.0
45°	677.8	676.1	676.1	674.3	670.8	663.8	655.0	644.5	639.2	644.5	635.7
47.5°	644.5	646.2	651.5	653.3	653.3	655.0	649.7	642.7	633.9	639.2	628.7
50°	598.8	602.3	604.1	612.9	616.4	623.4	625.2	625.2	623.4	630.4	623.4
52.5°	549.6	553.2	561.9	565.4	569.0	579.5	583.0	588.3	591.8	602.3	609.3
55°	502.2	504.0	507.5	514.5	519.8	528.6	533.8	539.1	547.9	553.2	574.2
57.5°	458.3	460.1	467.1	468.9	472.4	479.4	484.7	491.7	498.7	502.2	526.8
60°	416.2	417.9	423.2	425.0	426.7	433.7	439.0	444.3	449.5	453.1	470.6
62.5°	379.3	379.3	384.6	384.6	386.3	391.6	395.1	398.6	403.9	405.6	414.4
65°	342.4	344.2	347.7	347.7	349.5	353.0	354.7	356.5	361.7	361.7	368.8
67.5°	296.8	298.5	303.8	307.3	309.1	316.1	317.8	319.6	323.1	324.9	328.4
70°	252.9	254.6	259.9	261.7	263.4	268.7	272.2	277.5	282.7	288.0	291.5
72.5°	212.5	214.2	219.5	219.5	224.8	226.5	230.0	231.8	237.1	240.6	245.8
75°	173.8	175.6	180.9	180.9	186.1	187.9	189.7	191.4	194.9	198.4	201.9
77.5°	142.2	142.2	149.3	152.8	156.3	156.3	158.0	158.0	158.0	159.8	163.3
80°	112.4	112.4	117.7	121.2	124.7	124.7	126.4	128.2	129.9	129.9	131.7
82.5°	84.3	84.3	89.6	91.3	94.8	94.8	94.8	96.6	98.3	96.6	100.1
85°	57.9	57.9	61.5	63.2	66.7	66.7	66.7	68.5	70.2	68.5	70.2
87.5°	33.4	35.1	36.9	38.6	40.4	42.1	42.1	42.1	43.9	43.9	45.7
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	4098.6	4077.5	4075.8	4051.2	4044.2	4045.9	4026.6	4019.6	3988.0	3981.0	3947.6
5°	4114.4	4125.0	4119.7	4117.9	4123.2	4119.7	4105.6	4098.6	4093.4	4079.3	4051.2
7.5°	3940.6	3947.6	3952.9	3975.7	3995.0	4028.4	4063.5	4086.3	4103.9	4107.4	4084.6
10°	3763.2	3796.6	3819.4	3854.5	3882.6	3901.9	3923.0	3942.3	3993.3	4044.2	4074.0
12.5°	3671.9	3680.7	3678.9	3698.2	3717.6	3768.5	3817.7	3845.7	3884.4	3907.2	3961.6
15°	3594.6	3596.4	3601.7	3615.7	3626.2	3643.8	3666.6	3708.8	3786.0	3821.2	3851.0
17.5°	3524.4	3524.4	3527.9	3540.2	3554.2	3570.0	3584.1	3601.7	3640.3	3698.2	3772.0
20°	3412.0	3461.2	3466.4	3464.7	3471.7	3501.6	3505.1	3536.7	3556.0	3578.8	3650.8
22.5°	3245.2	3275.0	3317.2	3382.2	3406.7	3420.8	3431.3	3445.4	3475.2	3501.6	3531.4
25°	3153.9	3173.2	3185.5	3204.8	3255.7	3338.2	3354.1	3369.9	3389.2	3408.5	3445.4
27.5°	3073.1	3071.3	3080.1	3097.7	3111.7	3155.6	3232.9	3294.3	3297.9	3326.0	3357.6
30°	3015.1	3004.6	2992.3	2988.8	3008.1	3030.9	3053.8	3150.4	3217.1	3231.1	3264.5
32.5°	2960.7	2943.1	2925.6	2911.5	2899.2	2918.6	2932.6	2974.7	3060.8	3141.6	3159.1
35°	2894.0	2876.4	2855.3	2839.5	2820.2	2818.5	2816.7	2857.1	2885.2	2981.8	3066.1
37.5°	2825.5	2806.2	2788.6	2771.0	2751.7	2737.7	2728.9	2739.4	2765.8	2807.9	2948.4
40°	2753.5	2730.7	2713.1	2699.0	2672.7	2662.2	2644.6	2637.6	2639.3	2676.2	2750.0
42.5°	1645.4	2623.5	2632.3	2616.5	2593.7	2579.6	2560.3	2551.5	2534.0	2551.5	2593.7
45°	633.9	641.0	1919.4	2535.7	2507.6	2490.1	2472.5	2463.7	2444.4	2430.4	2469.0
47.5°	621.6	628.7	614.6	871.0	2393.5	2398.8	2377.7	2368.9	2349.6	2339.1	2328.5
50°	612.9	618.1	607.6	611.1	598.8	2193.3	2281.1	2270.6	2249.5	2237.2	2216.1
52.5°	604.1	604.1	597.1	588.3	584.8	586.5	1845.6	2170.5	2145.9	2133.6	2105.5
55°	576.0	579.5	586.5	572.5	569.0	567.2	561.9	1757.8	2031.7	2017.7	1993.1
57.5°	533.8	540.9	560.2	556.7	556.7	542.6	539.1	539.1	1631.4	1900.0	1875.5
60°	484.7	491.7	512.8	519.8	525.1	521.5	518.0	516.3	509.3	1719.2	1750.8
62.5°	433.7	440.8	447.8	470.6	477.6	486.4	497.0	491.7	484.7	484.7	1619.1
65°	379.3	389.8	393.4	414.4	423.2	439.0	447.8	460.1	456.6	454.8	463.6
67.5°	331.9	344.2	345.9	354.7	370.5	377.6	388.1	410.9	421.5	425.0	428.5
70°	291.5	298.5	303.8	307.3	317.8	319.6	338.9	354.7	370.5	388.1	393.4
72.5°	251.1	256.4	266.9	263.4	266.9	273.9	284.5	295.0	310.8	335.4	351.2
75°	205.5	209.0	216.0	219.5	226.5	231.8	238.8	247.6	261.7	273.9	295.0
77.5°	165.1	166.8	172.1	173.8	180.9	186.1	198.4	203.7	212.5	221.3	233.6
80°	133.5	133.5	135.2	135.2	140.5	145.8	154.5	159.8	170.3	177.4	177.4
82.5°	101.9	101.9	107.1	107.1	110.6	110.6	115.9	115.9	121.2	124.7	128.2
85°	72.0	73.8	77.3	75.5	79.0	77.3	80.8	84.3	86.0	84.3	82.5
87.5°	47.4	47.4	50.9	49.2	50.9	50.9	54.4	54.4	56.2	56.2	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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	3935.3	3909.0	3893.2	3873.8	3868.6	3863.3	3870.3	3870.3	3859.8	3851.0	3835.2
5°	4026.6	3998.5	3968.7	3937.1	3907.2	3875.6	3863.3	3861.6	3842.2	3831.7	3826.4
7.5°	4074.0	4060.0	4026.6	3982.7	3937.1	3880.9	3856.3	3842.2	3822.9	3819.4	3819.4
10°	4079.3	4063.5	4045.9	4014.3	3961.6	3887.9	3840.5	3812.4	3794.8	3807.1	3829.9
12.5°	4028.4	4058.2	4042.4	4021.4	3979.2	3889.6	3821.2	3779.0	3773.7	3805.4	3865.1
15°	3898.4	3986.2	4030.1	4009.1	3975.7	3886.1	3789.6	3740.4	3740.4	3805.4	3882.6
17.5°	3800.1	3868.6	3975.7	3993.3	3954.6	3879.1	3759.7	3701.8	3717.6	3812.4	3894.9
20°	3719.3	3761.5	3865.1	3963.4	3926.5	3863.3	3715.8	3656.1	3687.7	3801.8	3912.5
22.5°	3592.9	3677.2	3740.4	3886.1	3898.4	3833.5	3671.9	3599.9	3663.1	3801.8	3903.7
25°	3470.0	3571.8	3638.5	3780.8	3856.3	3796.6	3631.5	3540.2	3636.8	3796.6	3896.7
27.5°	3383.9	3431.3	3552.5	3654.3	3793.1	3747.4	3577.1	3475.2	3603.4	3768.5	3856.3
30°	3292.6	3324.2	3443.6	3540.2	3708.8	3691.2	3520.9	3403.2	3561.3	3742.1	3750.9
32.5°	3192.5	3227.6	3289.1	3429.6	3591.1	3638.5	3457.7	3331.2	3515.6	3701.8	3628.0
35°	3090.6	3117.0	3166.2	3317.2	3454.1	3559.5	3380.4	3248.7	3484.0	3640.3	3510.3
37.5°	2988.8	3016.9	3059.0	3185.5	3310.2	3485.8	3313.7	3166.2	3426.1	3531.4	3387.4
40°	2892.2	2908.0	2951.9	3030.9	3190.7	3410.2	3238.2	3080.1	3366.3	3392.7	3220.6
42.5°	2714.9	2793.9	2834.3	2897.5	3055.5	3306.6	3150.4	2988.8	3299.6	3254.0	3053.8
45°	2523.4	2695.5	2713.1	2776.3	2936.1	3196.0	3067.8	2899.2	3236.4	3134.5	2895.7
47.5°	2367.2	2491.8	2593.7	2646.4	2793.9	3066.1	2990.6	2823.7	3141.6	2983.5	2741.2
50°	2228.4	2295.2	2479.5	2518.2	2623.5	2909.8	2899.2	2735.9	3009.9	2793.9	2590.2
52.5°	2093.2	2140.6	2307.4	2390.0	2476.0	2741.2	2790.4	2649.9	2865.9	2604.2	2437.4
55°	1975.6	1991.4	2082.7	2256.5	2333.8	2570.9	2671.0	2549.8	2683.2	2423.3	2289.9
57.5°	1854.4	1840.3	1907.1	2130.1	2186.3	2397.0	2544.5	2447.9	2535.7	2239.0	2137.1
60°	1728.0	1708.6	1736.7	1884.2	2030.0	2224.9	2395.3	2335.5	2356.6	2056.3	1966.8
62.5°	1596.2	1576.9	1568.2	1661.2	1877.2	2047.6	2244.2	2210.9	2137.1	1889.5	1756.0
65°	1459.3	1440.0	1425.9	1462.8	1708.6	1817.5	2075.6	2066.9	1896.5	1713.9	1478.6
67.5°	444.3	1310.0	1280.2	1278.4	1440.0	1608.5	1893.0	1879.0	1654.2	1526.0	1273.1
70°	400.4	1062.4	1129.1	1113.3	1183.6	1396.1	1684.1	1673.5	1418.9	1224.0	1125.6
72.5°	367.0	375.8	997.4	979.9	995.7	1187.1	1466.3	1438.2	1202.9	965.8	972.9
75°	314.3	330.1	344.2	827.1	806.0	983.4	1229.2	1185.3	992.2	797.2	813.1
77.5°	256.4	275.7	286.2	602.3	651.5	700.7	981.6	923.7	683.1	637.4	303.8
80°	191.4	207.2	224.8	240.6	495.2	489.9	728.8	670.8	475.9	396.9	237.1
82.5°	140.5	145.8	156.3	173.8	196.7	328.4	468.9	412.7	330.1	180.9	163.3
85°	87.8	94.8	100.1	105.4	119.4	196.7	231.8	184.4	138.7	110.6	103.6
87.5°	56.2	56.2	54.4	56.2	57.9	70.2	79.0	75.5	59.7	56.2	56.2
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	3817.7	3793.1	3793.1	3786.0	3791.3	3791.3	3789.6	3791.3	3803.6	3810.6	3822.9
5°	3815.9	3808.9	3824.7	3844.0	3866.8	3894.9	3901.9	3926.5	3949.4	3979.2	4010.8
7.5°	3838.7	3863.3	3893.2	3924.8	3970.4	4003.8	4033.6	4063.5	4084.6	4112.7	4130.2
10°	3872.1	3921.3	3972.2	4012.6	4061.7	4089.8	4109.2	4112.7	4082.8	4035.4	3996.8
12.5°	3919.5	3977.5	4024.9	4063.5	4086.3	4075.8	4019.6	3961.6	3928.3	3879.1	3810.6
15°	3959.9	4012.6	4061.7	4045.9	3984.5	3926.5	3882.6	3814.1	3747.4	3701.8	3671.9
17.5°	3977.5	4028.4	4010.8	3928.3	3870.3	3803.6	3714.0	3661.4	3617.5	3582.3	3564.8
20°	3988.0	3979.2	3884.4	3824.7	3712.3	3650.8	3592.9	3543.7	3510.3	3492.8	3489.3
22.5°	3959.9	3852.8	3772.0	3664.9	3582.3	3531.4	3485.8	3445.4	3422.5	3408.5	3399.7
25°	3866.8	3742.1	3622.7	3538.4	3468.2	3424.3	3389.2	3355.8	3327.7	3320.7	3303.1
27.5°	3736.9	3635.0	3477.0	3412.0	3350.5	3329.5	3290.8	3257.5	3232.9	3211.8	3155.6
30°	3629.8	3468.2	3354.1	3294.3	3257.5	3232.9	3189.0	3153.9	3111.7	3034.5	3002.8
32.5°	3498.0	3338.2	3229.4	3196.0	3150.4	3129.3	3080.1	3002.8	2937.9	2906.3	2904.5
35°	3327.7	3196.0	3117.0	3087.1	3050.3	3015.1	2913.3	2843.0	2811.4	2814.9	2841.3
37.5°	3185.5	3067.8	3016.9	2974.7	2932.6	2843.0	2757.0	2723.6	2732.4	2750.0	2762.3
40°	3041.5	2951.9	2894.0	2860.6	2765.8	2678.0	2632.3	2644.6	2660.4	2672.7	2688.5
42.5°	2901.0	2837.8	2779.8	2714.9	2584.9	2537.5	2548.0	2563.8	2577.9	2595.4	2611.2
45°	2767.5	2711.3	2644.6	2497.1	2432.1	2444.4	2460.2	2472.5	2493.6	2505.9	2521.7
47.5°	2641.1	2581.4	2463.7	2333.8	2326.8	2351.3	2365.4	2381.2	2397.0	2365.4	1304.7
50°	2498.9	2437.4	2258.3	2209.1	2224.9	2247.7	2265.3	2281.1	2031.7	807.8	621.6
52.5°	2358.4	2202.1	2087.9	2102.0	2117.8	2144.1	2156.4	1601.5	637.4	607.6	609.3
55°	2202.1	2001.9	1968.5	1986.1	2000.1	2026.5	1343.4	588.3	584.8	583.0	597.1
57.5°	1956.2	1835.1	1849.1	1866.7	1880.7	1327.6	572.5	569.0	570.7	572.5	574.2
60°	1736.7	1710.4	1726.2	1742.0	1232.7	553.2	542.6	544.4	551.4	546.1	532.1
62.5°	1562.9	1584.0	1599.8	1401.3	525.1	519.8	525.1	519.8	507.5	498.7	481.2
65°	1429.4	1450.5	1462.8	493.4	491.7	498.7	493.4	475.9	456.6	432.0	426.7
67.5°	1288.9	1310.0	468.9	456.6	463.6	454.8	433.7	412.7	398.6	377.6	368.8
70°	1143.2	489.9	425.0	423.2	410.9	396.9	374.0	353.0	335.4	326.6	317.8
72.5°	825.3	388.1	382.8	368.8	347.7	328.4	309.1	296.8	288.0	282.7	277.5
75°	344.2	337.2	321.4	296.8	275.7	266.9	252.9	244.1	240.6	230.0	226.5
77.5°	288.0	273.9	251.1	233.6	221.3	216.0	205.5	194.9	189.7	187.9	180.9
80°	221.3	201.9	191.4	182.6	179.1	166.8	154.5	149.3	145.8	144.0	138.7
82.5°	151.0	144.0	137.0	124.7	124.7	119.4	114.1	110.6	107.1	107.1	103.6
85°	98.3	93.1	91.3	86.0	86.0	82.5	80.8	79.0	77.3	75.5	73.8
87.5°	56.2	56.2	57.9	56.2	56.2	54.4	52.7	50.9	49.2	49.2	45.7
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	3838.7	3856.3	3859.8	3919.5	3952.9	3951.1	3940.6	3972.2	3952.9	3942.3	3952.9
5°	4042.4	4063.5	4081.1	4146.0	4168.9	4179.4	4177.6	4195.2	4181.2	4168.9	4168.9
7.5°	4142.5	4149.5	4156.6	4140.8	4130.2	4112.7	4086.3	4047.7	4028.4	4007.3	3981.0
10°	3977.5	3954.6	3963.4	3931.8	3905.5	3886.1	3861.6	3829.9	3803.6	3784.3	3754.4
12.5°	3775.5	3773.7	3777.3	3782.5	3756.2	3740.4	3721.1	3698.2	3678.9	3657.8	3633.3
15°	3652.6	3654.3	3668.4	3663.1	3654.3	3645.6	3624.5	3617.5	3599.9	3577.1	3563.0
17.5°	3564.8	3573.6	3587.6	3580.6	3566.5	3557.8	3542.0	3526.1	3510.3	3492.8	3471.7
20°	3487.5	3496.3	3505.1	3496.3	3470.0	3457.7	3436.6	3387.4	3352.3	3317.2	3285.6
22.5°	3403.2	3408.5	3401.5	3373.4	3306.6	3275.0	3250.4	3236.4	3206.5	3187.2	3167.9
25°	3297.9	3268.0	3222.3	3190.7	3164.4	3150.4	3139.8	3138.1	3134.5	3131.0	3122.3
27.5°	3125.8	3115.2	3090.6	3078.4	3080.1	3085.4	3087.1	3092.4	3087.1	3080.1	3073.1
30°	2997.6	3002.8	3004.6	3008.1	3016.9	3022.2	3023.9	3030.9	3027.4	3022.2	3018.6
32.5°	2916.8	2929.1	2936.1	2946.7	2951.9	2960.7	2960.7	2971.2	2960.7	2958.9	2955.4
35°	2850.1	2860.6	2864.1	2879.9	2885.2	2894.0	2894.0	2902.7	2894.0	2804.4	2214.4
37.5°	2783.3	2793.9	2800.9	2814.9	2816.7	2822.0	2604.2	1905.3	1229.2	951.8	727.0
40°	2704.3	2716.6	2723.6	2728.9	1917.6	1216.9	837.6	681.3	681.3	686.6	691.9
42.5°	2620.0	2628.8	1831.6	1065.9	663.8	662.0	667.3	672.6	677.8	684.9	691.9
45°	2059.8	1039.6	660.3	644.5	649.7	656.8	663.8	670.8	679.6	686.6	690.1
47.5°	676.1	633.9	642.7	635.7	644.5	653.3	660.3	667.3	669.1	670.8	669.1
50°	625.2	625.2	630.4	630.4	637.4	641.0	641.0	641.0	633.9	632.2	626.9
52.5°	604.1	618.1	611.1	614.6	611.1	605.8	600.6	595.3	584.8	581.3	574.2
55°	593.5	598.8	581.3	576.0	569.0	554.9	547.9	540.9	532.1	528.6	519.8
57.5°	569.0	556.7	537.4	528.6	516.3	502.2	495.2	489.9	481.2	477.6	472.4
60°	523.3	498.7	486.4	475.9	461.8	449.5	444.3	440.8	433.7	432.0	426.7
62.5°	467.1	446.0	435.5	421.5	410.9	403.9	398.6	396.9	389.8	389.8	386.3
65°	405.6	395.1	386.3	372.3	367.0	360.0	358.2	356.5	353.0	351.2	347.7
67.5°	356.5	349.5	337.2	330.1	326.6	321.4	317.8	314.3	307.3	303.8	298.5
70°	312.6	307.3	295.0	289.7	282.7	273.9	268.7	265.2	259.9	256.4	251.1
72.5°	270.4	254.6	245.8	240.6	235.3	226.5	224.8	221.3	216.0	214.2	209.0
75°	217.8	205.5	200.2	196.7	191.4	186.1	186.1	186.1	180.9	179.1	177.4
77.5°	173.8	166.8	163.3	159.8	158.0	154.5	149.3	147.5	142.2	142.2	140.5
80°	133.5	129.9	126.4	124.7	122.9	119.4	115.9	114.1	108.9	108.9	107.1
82.5°	98.3	96.6	94.8	93.1	91.3	89.6	84.3	82.5	79.0	79.0	77.3
85°	70.2	68.5	65.0	63.2	63.2	61.5	56.2	54.4	50.9	50.9	50.9
87.5°	43.9	42.1	40.4	38.6	36.9	35.1	31.6	29.9	29.9	26.3	24.6
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	3931.8	3961.6	3958.1	3979.2	3984.5	3995.0	3998.5	4000.3	3973.9	3995.0	3996.8
5°	4163.6	4168.9	4172.4	4181.2	4189.9	4191.7	4182.9	4172.4	4175.9	4168.9	4151.3
7.5°	3977.5	3951.1	3945.8	3938.8	3935.3	3931.8	3916.0	3930.0	3914.2	3907.2	3882.6
10°	3749.2	3724.6	3722.8	3722.8	3728.1	3726.3	3722.8	3715.8	3729.8	3721.1	3715.8
12.5°	3629.8	3621.0	3626.2	3622.7	3636.8	3640.3	3636.8	3636.8	3633.3	3626.2	3629.8
15°	3557.8	3550.7	3556.0	3550.7	3561.3	3563.0	3554.2	3559.5	3550.7	3542.0	3538.4
17.5°	3462.9	3447.1	3434.8	3417.3	3419.0	3415.5	3405.0	3405.0	3396.2	3373.4	3375.1
20°	3280.3	3264.5	3257.5	3257.5	3266.3	3269.8	3268.0	3271.5	3262.7	3259.2	3245.2
22.5°	3166.2	3164.4	3167.9	3176.7	3190.7	3210.1	3211.8	3211.8	3211.8	3210.1	3192.5
25°	3125.8	3125.8	3129.3	3141.6	3152.1	3166.2	3169.7	3173.2	3169.7	3169.7	3153.9
27.5°	3080.1	3076.6	3083.6	3095.9	3108.2	3118.7	3127.5	3129.3	3124.0	3124.0	3129.3
30°	3023.9	3022.2	3030.9	3043.2	3053.8	3064.3	3073.1	3080.1	3073.1	3073.1	3067.8
32.5°	2966.0	2966.0	2969.5	2895.7	2685.0	2418.1	2423.3	2268.8	2161.7	2026.5	2205.6
35°	1850.9	1346.9	1157.2	979.9	855.2	774.4	772.7	746.3	734.0	725.2	723.5
37.5°	698.9	702.4	709.4	713.0	718.2	721.7	723.5	723.5	723.5	723.5	721.7
40°	697.2	704.2	709.4	714.7	720.0	723.5	723.5	725.2	727.0	727.0	727.0
42.5°	698.9	705.9	713.0	718.2	721.7	723.5	725.2	727.0	727.0	727.0	727.0
45°	697.2	700.7	700.7	702.4	702.4	702.4	704.2	704.2	702.4	700.7	704.2
47.5°	670.8	670.8	665.5	663.8	662.0	658.5	660.3	658.5	656.8	655.0	658.5
50°	625.2	618.1	614.6	611.1	609.3	605.8	607.6	605.8	604.1	600.6	605.8
52.5°	570.7	569.0	561.9	558.4	556.7	558.4	554.9	553.2	551.4	549.6	551.4
55°	518.0	511.0	509.3	505.7	504.0	505.7	504.0	502.2	500.5	498.7	500.5
57.5°	470.6	465.4	463.6	460.1	460.1	460.1	460.1	458.3	456.6	454.8	456.6
60°	425.0	421.5	419.7	419.7	417.9	417.9	417.9	416.2	414.4	414.4	416.2
62.5°	386.3	386.3	381.1	379.3	379.3	381.1	379.3	377.6	375.8	374.0	377.6
65°	345.9	338.9	337.2	333.6	330.1	331.9	330.1	328.4	326.6	324.9	328.4
67.5°	296.8	295.0	288.0	284.5	282.7	284.5	282.7	281.0	279.2	277.5	281.0
70°	249.4	249.4	242.3	240.6	238.8	238.8	237.1	237.1	235.3	233.6	237.1
72.5°	207.2	207.2	205.5	201.9	200.2	198.4	196.7	194.9	194.9	196.7	196.7
75°	172.1	168.6	161.6	163.3	161.6	159.8	159.8	158.0	156.3	159.8	158.0
77.5°	135.2	133.5	128.2	129.9	128.2	126.4	126.4	124.7	122.9	124.7	124.7
80°	101.9	101.9	100.1	98.3	98.3	96.6	94.8	94.8	93.1	94.8	94.8
82.5°	73.8	73.8	72.0	70.2	68.5	68.5	66.7	66.7	66.7	66.7	66.7
85°	47.4	45.7	45.7	42.1	42.1	42.1	40.4	40.4	40.4	40.4	40.4
87.5°	22.8	22.8	21.1	21.1	19.3	17.6	17.6	15.8	15.8	17.6	17.6
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	3965.2	3988.0	3968.7	3977.5	3979.2	4009.1	4007.3	4014.3	4002.0	3988.0	3968.7
5°	4167.1	4156.6	4142.5	4175.9	4158.3	4179.4	4186.4	4200.5	4200.5	4198.7	4182.9
7.5°	3909.0	3886.1	3903.7	3916.0	3921.3	3907.2	3935.3	3966.9	3993.3	4009.1	4010.8
10°	3707.0	3714.0	3712.3	3717.6	3729.8	3728.1	3745.7	3763.2	3770.2	3780.8	3784.3
12.5°	3612.2	3610.4	3613.9	3626.2	3633.3	3631.5	3649.1	3659.6	3663.1	3664.9	3663.1
15°	3536.7	3524.4	3533.2	3534.9	3540.2	3540.2	3561.3	3577.1	3584.1	3587.6	3584.1
17.5°	3394.4	3364.6	3392.7	3392.7	3412.0	3408.5	3441.9	3468.2	3482.2	3492.8	3492.8
20°	3254.0	3239.9	3250.4	3246.9	3261.0	3259.2	3280.3	3297.9	3310.2	3318.9	3329.5
22.5°	3197.8	3201.3	3185.5	3187.2	3187.2	3185.5	3196.0	3204.8	3208.3	3213.6	3210.1
25°	3160.9	3164.4	3159.1	3150.4	3146.8	3150.4	3155.6	3166.2	3167.9	3164.4	3152.1
27.5°	3124.0	3113.5	3122.3	3106.5	3102.9	3110.0	3117.0	3118.7	3120.5	3120.5	3110.0
30°	3067.8	3059.0	3067.8	3060.8	3053.8	3060.8	3066.1	3066.1	3069.6	3071.3	3059.0
32.5°	2144.1	2161.7	2446.2	2618.3	2860.6	2983.5	3006.4	3006.4	3009.9	3009.9	2999.3
35°	730.5	732.3	792.0	858.7	1000.9	1176.6	1406.6	1526.0	1929.9	2412.8	2879.9
37.5°	721.7	720.0	718.2	716.5	714.7	713.0	709.4	707.7	718.2	851.7	1155.5
40°	725.2	723.5	720.0	718.2	716.5	713.0	711.2	707.7	704.2	700.7	697.2
42.5°	725.2	723.5	721.7	720.0	718.2	716.5	713.0	709.4	705.9	700.7	695.4
45°	700.7	700.7	702.4	702.4	704.2	704.2	704.2	702.4	702.4	700.7	693.6
47.5°	655.0	655.0	660.3	660.3	663.8	667.3	667.3	670.8	676.1	679.6	681.3
50°	602.3	602.3	607.6	609.3	612.9	618.1	623.4	625.2	630.4	637.4	644.5
52.5°	549.6	549.6	554.9	554.9	558.4	563.7	569.0	570.7	577.7	584.8	593.5
55°	500.5	500.5	504.0	505.7	507.5	511.0	516.3	516.3	523.3	528.6	537.4
57.5°	456.6	460.1	460.1	460.1	461.8	465.4	468.9	468.9	474.1	479.4	486.4
60°	414.4	417.9	417.9	417.9	419.7	421.5	425.0	425.0	428.5	432.0	439.0
62.5°	375.8	379.3	379.3	381.1	381.1	382.8	386.3	384.6	388.1	389.8	395.1
65°	326.6	330.1	331.9	333.6	335.4	338.9	344.2	342.4	347.7	351.2	356.5
67.5°	279.2	282.7	282.7	284.5	286.2	289.7	293.3	293.3	298.5	302.0	309.1
70°	235.3	238.8	238.8	240.6	242.3	245.8	249.4	247.6	252.9	256.4	261.7
72.5°	194.9	198.4	198.4	200.2	200.2	203.7	207.2	210.7	210.7	214.2	217.8
75°	158.0	159.8	161.6	161.6	163.3	165.1	168.6	172.1	173.8	175.6	179.1
77.5°	124.7	126.4	128.2	128.2	129.9	131.7	133.5	140.5	144.0	145.8	145.8
80°	94.8	96.6	96.6	96.6	98.3	100.1	103.6	103.6	110.6	110.6	112.4
82.5°	66.7	68.5	68.5	68.5	70.2	73.8	75.5	77.3	80.8	82.5	82.5
85°	40.4	42.1	42.1	42.1	43.9	45.7	49.2	50.9	52.7	52.7	54.4
87.5°	15.8	17.6	19.3	19.3	21.1	22.8	24.6	26.3	28.1	28.1	29.9
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	3947.6	3959.9	3947.6	3954.6	3963.4	3947.6	3910.7	3896.7	3891.4	3870.3	3856.3
5°	4167.1	4167.1	4161.8	4175.9	4174.1	4149.5	4110.9	4093.4	4075.8	4053.0	4035.4
7.5°	4010.8	4024.9	4033.6	4088.1	4123.2	4126.7	4151.3	4156.6	4163.6	4156.6	4146.0
10°	3786.0	3780.8	3805.4	3856.3	3886.1	3901.9	3949.4	3972.2	3991.5	4030.1	4070.5
12.5°	3659.6	3666.6	3677.2	3714.0	3742.1	3735.1	3754.4	3770.2	3793.1	3831.7	3889.6
15°	3575.3	3582.3	3592.9	3621.0	3638.5	3629.8	3640.3	3650.8	3666.6	3685.9	3721.1
17.5°	3484.0	3496.3	3508.6	3538.4	3554.2	3552.5	3561.3	3564.8	3570.0	3582.3	3606.9
20°	3341.8	3380.4	3405.0	3445.4	3468.2	3464.7	3480.5	3485.8	3492.8	3505.1	3515.6
22.5°	3211.8	3222.3	3234.6	3278.5	3317.2	3364.6	3375.1	3389.2	3406.7	3419.0	3429.6
25°	3138.1	3131.0	3136.3	3166.2	3187.2	3190.7	3206.5	3252.2	3299.6	3320.7	3345.3
27.5°	3094.2	3087.1	3085.4	3099.4	3102.9	3094.2	3090.6	3104.7	3139.8	3174.9	3248.7
30°	3046.7	3038.0	3030.9	3043.2	3048.5	3036.2	3013.4	3001.1	3022.2	3030.9	3060.8
32.5°	2990.6	2981.8	2978.3	2985.3	2988.8	2978.3	2953.7	2939.6	2936.1	2929.1	2936.1
35°	2927.3	2918.6	2913.3	2915.0	2922.1	2913.3	2892.2	2874.7	2865.9	2846.6	2832.5
37.5°	1508.4	2137.1	2774.6	2841.3	2848.3	2846.6	2825.5	2806.2	2797.4	2774.6	2767.5
40°	690.1	770.9	1157.2	1512.0	2181.0	2771.0	2751.7	2732.4	2716.6	2709.6	2683.2
42.5°	688.4	690.1	691.9	683.1	846.4	1441.7	2128.3	2656.9	2646.4	2628.8	2609.5
45°	688.4	679.6	686.6	676.1	679.6	677.8	844.7	1362.7	2425.1	2534.0	2525.2
47.5°	681.3	676.1	683.1	674.3	663.8	669.1	662.0	670.8	1046.6	1775.4	2432.1
50°	649.7	653.3	665.5	663.8	655.0	662.0	649.7	660.3	651.5	714.7	1376.7
52.5°	602.3	609.3	621.6	632.2	635.7	644.5	641.0	644.5	637.4	639.2	641.0
55°	546.1	554.9	565.4	581.3	588.3	602.3	612.9	618.1	626.9	625.2	611.1
57.5°	493.4	502.2	511.0	526.8	542.6	549.6	569.0	579.5	602.3	597.1	593.5
60°	444.3	451.3	460.1	463.6	482.9	495.2	512.8	523.3	553.2	560.2	570.7
62.5°	400.4	403.9	410.9	416.2	428.5	440.8	449.5	467.1	482.9	505.7	521.5
65°	360.0	363.5	368.8	372.3	374.0	391.6	396.9	416.2	421.5	446.0	460.1
67.5°	314.3	321.4	328.4	331.9	335.4	345.9	349.5	358.2	370.5	381.1	398.6
70°	266.9	272.2	279.2	284.5	291.5	298.5	309.1	314.3	323.1	330.1	344.2
72.5°	223.0	228.3	231.8	237.1	242.3	247.6	256.4	268.7	275.7	288.0	291.5
75°	180.9	186.1	189.7	193.2	198.4	201.9	205.5	217.8	224.8	235.3	245.8
77.5°	149.3	149.3	152.8	163.3	161.6	161.6	165.1	172.1	177.4	184.4	194.9
80°	115.9	117.7	119.4	128.2	129.9	131.7	129.9	135.2	140.5	142.2	149.3
82.5°	86.0	87.8	87.8	93.1	98.3	98.3	98.3	100.1	105.4	107.1	110.6
85°	57.9	59.7	61.5	63.2	66.7	68.5	70.2	70.2	73.8	75.5	77.3
87.5°	31.6	35.1	36.9	38.6	40.4	42.1	43.9	45.7	47.4	49.2	50.9
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7	3831.7
2.5°	3851.0	3842.2	3837.0	3822.9	3819.4	3796.6	3800.1	3796.6	3796.6	3801.8	3819.4
5°	4016.1	3973.9	3963.4	3933.5	3909.0	3866.8	3840.5	3826.4	3805.4	3796.6	3808.9
7.5°	4128.5	4096.9	4070.5	4044.2	4009.1	3959.9	3923.0	3880.9	3845.7	3812.4	3803.6
10°	4109.2	4144.3	4144.3	4128.5	4095.1	4045.9	4002.0	3949.4	3887.9	3835.2	3803.6
12.5°	3945.8	4007.3	4056.5	4093.4	4126.7	4093.4	4049.4	4007.3	3938.8	3861.6	3803.6
15°	3766.7	3829.9	3891.4	3968.7	4049.4	4082.8	4081.1	4031.9	3970.4	3889.6	3808.9
17.5°	3640.3	3684.2	3717.6	3801.8	3900.2	3986.2	4044.2	4047.7	3988.0	3916.0	3810.6
20°	3545.5	3577.1	3605.2	3652.6	3738.6	3844.0	3951.1	4010.8	4000.3	3921.3	3815.9
22.5°	3459.4	3482.2	3505.1	3540.2	3608.7	3677.2	3801.8	3924.8	3977.5	3912.5	3810.6
25°	3373.4	3398.0	3415.5	3440.1	3494.5	3550.7	3638.5	3791.3	3909.0	3905.5	3800.1
27.5°	3271.5	3304.9	3326.0	3359.3	3396.2	3438.3	3498.0	3642.0	3810.6	3870.3	3772.0
30°	3148.6	3197.8	3229.4	3266.3	3297.9	3334.7	3382.2	3470.0	3678.9	3801.8	3742.1
32.5°	2971.2	3059.0	3129.3	3164.4	3199.5	3231.1	3273.3	3347.0	3517.4	3708.8	3708.8
35°	2844.8	2885.2	2948.4	3050.3	3094.2	3125.8	3164.4	3222.3	3331.2	3598.1	3654.3
37.5°	2746.5	2762.3	2793.9	2894.0	2976.5	3027.4	3066.1	3102.9	3210.1	3447.1	3584.1
40°	2672.7	2667.4	2663.9	2711.3	2829.0	2909.8	2953.7	2990.6	3073.1	3266.3	3491.0
42.5°	2586.7	2581.4	2563.8	2576.1	2634.1	2769.3	2836.0	2876.4	2944.9	3076.6	3389.2
45°	2497.1	2488.3	2481.3	2469.0	2490.1	2565.6	2702.6	2762.3	2800.9	2918.6	3261.0
47.5°	2405.8	2393.5	2384.7	2374.2	2361.9	2397.0	2527.0	2634.1	2700.8	2774.6	3106.5
50°	2275.8	2291.6	2281.1	2268.8	2258.3	2251.3	2305.7	2481.3	2563.8	2623.5	2918.6
52.5°	1072.9	2086.2	2174.0	2161.7	2147.6	2135.4	2147.6	2281.1	2430.4	2477.8	2692.0
55°	611.1	928.9	1933.4	2044.0	2031.7	2014.2	2003.7	2049.3	2272.3	2335.5	2484.8
57.5°	588.3	590.0	853.4	1842.1	1910.6	1894.8	1882.5	1893.0	2082.7	2189.8	2303.9
60°	569.0	569.0	569.0	814.8	1761.3	1766.6	1750.8	1733.2	1815.8	2026.5	2121.3
62.5°	526.8	537.4	542.6	542.6	804.3	1631.4	1615.6	1610.3	1613.8	1829.8	1938.7
65°	472.4	497.0	507.5	514.5	514.5	844.7	1476.8	1468.1	1455.8	1538.3	1754.3
67.5°	412.7	437.3	460.1	474.1	475.9	491.7	881.5	1322.3	1304.7	1306.5	1557.6
70°	351.2	372.3	396.9	417.9	437.3	446.0	460.1	1097.5	1155.5	1130.9	1334.6
72.5°	303.8	312.6	330.1	351.2	374.0	395.1	407.4	437.3	1002.7	976.4	1015.0
75°	252.9	259.9	272.2	286.2	303.8	328.4	349.5	370.5	532.1	818.3	813.1
77.5°	196.7	209.0	223.0	231.8	240.6	258.1	286.2	307.3	328.4	553.2	651.5
80°	151.0	159.8	166.8	175.6	186.1	198.4	209.0	233.6	258.1	277.5	498.7
82.5°	112.4	117.7	122.9	126.4	129.9	137.0	156.3	165.1	180.9	198.4	235.3
85°	79.0	82.5	86.0	87.8	89.6	91.3	98.3	100.1	115.9	119.4	142.2
87.5°	50.9	52.7	56.2	57.9	57.9	59.7	61.5	61.5	61.5	57.9	70.2
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-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	3831.7	3831.7
2.5°	3833.5	3861.6
5°	3828.2	3865.1
7.5°	3814.1	3849.3
10°	3793.1	3835.2
12.5°	3770.2	3810.6
15°	3750.9	3780.8
17.5°	3729.8	3747.4
20°	3701.8	3715.8
22.5°	3673.7	3666.6
25°	3642.0	3626.2
27.5°	3601.7	3571.8
30°	3564.8	3512.1
32.5°	3529.7	3443.6
35°	3482.2	3373.4
37.5°	3433.1	3301.4
40°	3375.1	3218.8
42.5°	3313.7	3136.3
45°	3236.4	3057.3
47.5°	3167.9	2962.5
50°	3073.1	2860.6
52.5°	2957.2	2765.8
55°	2820.2	2649.9
57.5°	2672.7	2528.7
60°	2514.7	2390.0
62.5°	2323.3	2246.0
65°	2098.5	2080.9
67.5°	1805.2	1898.3
70°	1480.3	1689.3
72.5°	1238.0	1468.1
75°	1015.0	1220.5
77.5°	804.3	957.0
80°	502.2	700.7
82.5°	337.2	460.1
85°	203.7	219.5
87.5°	79.0	80.8
90°	0.0	0.0

(END OF REPORT)