

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-LD5-72SL-RW-UNV-L935-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-LD5-72SL-RW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

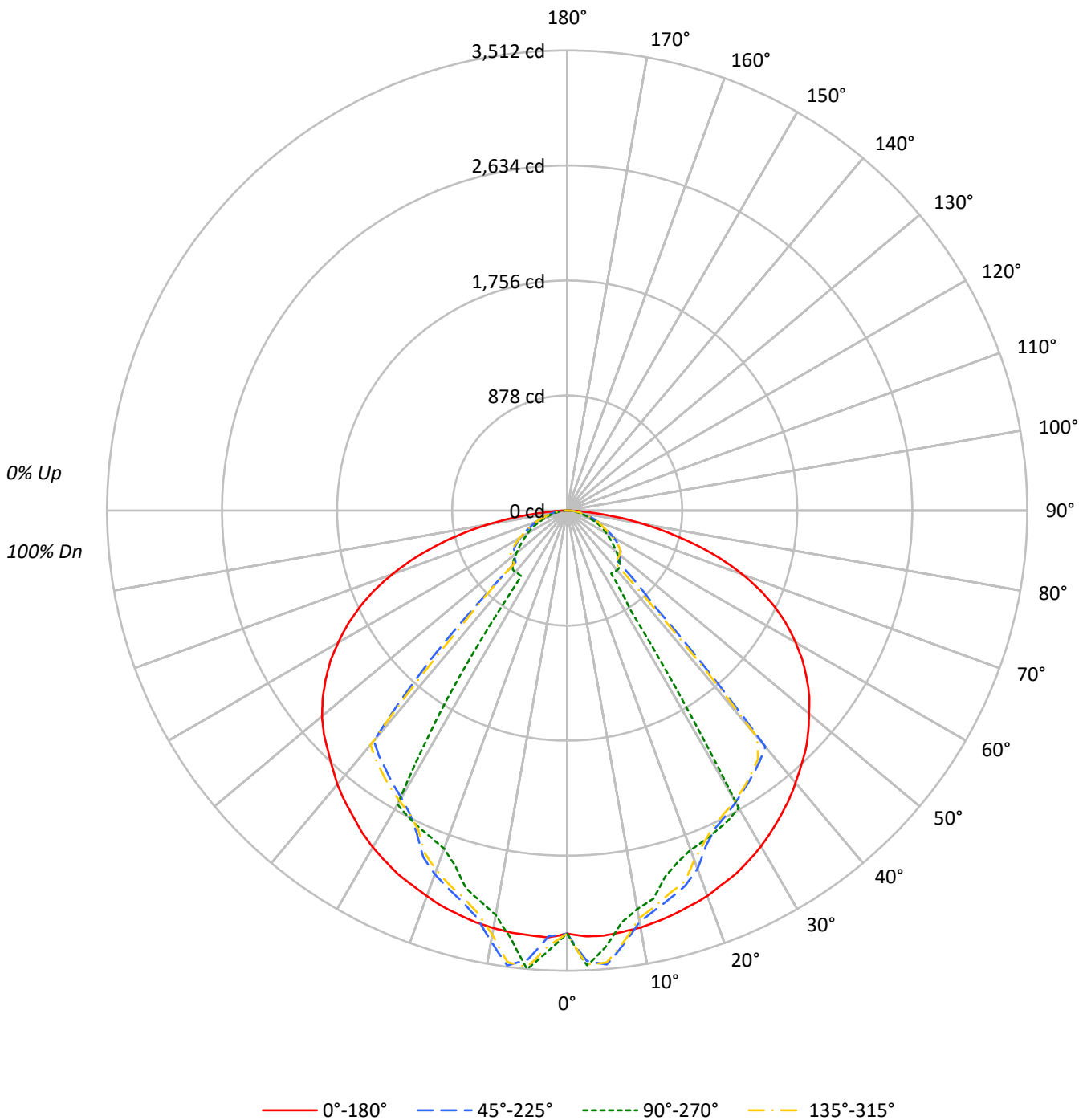
Lumens per Lamp: N/A
Luminaire Lumens: 6464.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
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



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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	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°	13043	13043	13043	13043
5°	13189	13141	13182	13792
10°	13219	11881	13238	12063
15°	13268	10992	13299	11341
20°	13384	10426	13384	10387
25°	13521	10227	13540	10131
30°	13681	10046	13715	9927
35°	13866	2288	13895	2387
40°	14118	2379	14202	2457
45°	14491	2366	14540	2452
50°	14872	2139	15072	2197
55°	15382	1899	15505	1927
60°	15842	1688	15876	1710
65°	16216	1473	16176	1450
70°	16120	1188	16070	1145
75°	15167	914	15275	875
80°	12617	649	13122	594
85°	7273	389	7682	298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.6	4.9
10°-20°	873.2	13.5
20°-30°	1293.4	20.0
30°-40°	1303.2	20.2
40°-50°	1018.0	15.7
50°-60°	786.3	12.2
60°-70°	527.9	8.2
70°-80°	269.3	4.2
80°-90°	74.9	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°	2484.2	38.4
0°-40°	3787.5	58.6
0°-60°	5591.8	86.5
0°-90°	6464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6464.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3228	3228	3228	3228	3228	
5°	3256	3346	3255	3512	3256	310
15°	3185	2892	3192	2984	3185	901
25°	3055	2695	3059	2670	3055	1409
35°	2842	586	2848	611	2842	1781
45°	2576	570	2584	590	2576	1986
55°	2232	414	2250	420	2232	1994
65°	1753	278	1749	274	1753	1724
75°	1028	140	1036	135	1028	1075
85°	185	44	195	34	185	254
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3253.1	3264.9	3273.8	3279.7	3282.7	3282.7	3284.2	3285.7	3304.9	3313.8	3319.7
5°	3256.1	3267.9	3285.7	3309.3	3330.0	3347.8	3362.6	3383.3	3404.0	3426.2	3433.6
7.5°	3242.7	3257.5	3293.0	3335.9	3375.9	3404.0	3423.2	3436.5	3446.9	3448.4	3455.8
10°	3230.9	3257.5	3306.4	3362.6	3412.9	3446.9	3446.9	3439.5	3449.9	3409.9	3370.0
12.5°	3210.2	3239.8	3306.4	3380.3	3427.7	3441.0	3435.1	3405.5	3344.8	3296.0	3273.8
15°	3185.1	3225.0	3307.8	3390.7	3430.6	3435.1	3378.8	3303.4	3257.5	3228.0	3191.0
17.5°	3156.9	3210.2	3309.3	3392.2	3407.0	3386.2	3279.7	3232.4	3185.1	3115.5	3065.2
20°	3130.3	3182.1	3297.5	3371.5	3380.3	3287.1	3204.3	3154.0	3074.1	3013.4	2991.3
22.5°	3088.9	3149.5	3287.1	3343.3	3309.3	3201.3	3121.4	3041.6	2969.1	2951.3	2924.7
25°	3054.9	3118.5	3263.5	3309.3	3219.1	3122.9	3029.7	2936.5	2902.5	2877.3	2853.7
27.5°	3009.0	3087.4	3232.4	3247.2	3122.9	3038.6	2902.5	2861.1	2830.0	2801.9	2791.5
30°	2958.7	3054.9	3189.5	3161.4	3043.0	2918.8	2818.2	2779.7	2757.5	2727.9	2716.1
32.5°	2901.0	3006.1	3142.2	3062.3	2957.2	2801.9	2736.8	2707.2	2677.6	2655.4	2581.5
35°	2841.8	2963.2	3085.9	2967.6	2853.7	2713.1	2655.4	2628.8	2600.7	2519.3	2442.4
37.5°	2781.2	2915.8	3017.9	2865.5	2716.1	2621.4	2572.6	2543.0	2479.4	2375.8	2337.4
40°	2711.7	2858.1	2930.6	2760.5	2596.3	2528.2	2482.4	2452.8	2309.3	2263.4	2251.6
42.5°	2642.1	2801.9	2824.1	2658.4	2497.2	2429.1	2390.6	2293.0	2195.4	2171.7	2176.1
45°	2575.6	2741.2	2707.2	2513.4	2393.6	2337.4	2272.3	2137.7	2085.9	2097.7	2100.7
47.5°	2495.7	2668.8	2584.4	2368.4	2287.1	2230.9	2085.9	2004.5	1997.1	2013.4	2022.3
50°	2409.9	2587.4	2454.3	2236.8	2171.7	2105.1	1940.9	1899.5	1908.4	1924.6	1935.0
52.5°	2330.0	2495.7	2319.6	2114.0	2057.8	1905.4	1794.5	1801.9	1816.6	1835.9	1841.8
55°	2232.3	2384.7	2176.1	1989.7	1936.5	1736.8	1686.5	1704.2	1719.0	1735.3	1747.1
57.5°	2130.3	2257.5	2006.0	1850.7	1764.9	1587.3	1591.8	1603.6	1614.0	1633.2	674.6
60°	2013.4	2112.5	1819.6	1722.0	1551.8	1469.0	1473.4	1494.1	1504.5	840.3	464.5
62.5°	1892.1	1943.9	1651.0	1575.5	1356.6	1350.7	1371.4	1380.2	939.4	443.8	434.9
65°	1753.0	1742.7	1485.3	1365.4	1223.4	1229.3	1251.5	1207.2	415.7	415.7	412.7
67.5°	1599.2	1537.1	1324.0	1130.2	1094.7	1108.0	1131.7	395.0	384.6	387.6	377.2
70°	1423.1	1335.9	1156.9	957.1	969.0	982.3	381.7	358.0	353.6	346.2	325.5
72.5°	1236.7	1116.9	946.8	831.4	838.8	526.7	334.3	322.5	307.7	292.9	270.7
75°	1028.2	872.8	695.3	695.3	705.7	300.3	291.4	272.2	255.9	236.7	223.4
77.5°	806.2	671.6	540.0	560.7	273.7	251.5	235.2	214.5	201.2	189.4	182.0
80°	590.3	469.0	406.8	363.9	213.0	190.8	174.6	162.7	156.8	149.4	140.5
82.5°	387.6	282.6	282.6	171.6	149.4	131.7	127.2	118.3	112.4	108.0	103.6
85°	184.9	164.2	124.3	105.0	93.2	84.3	81.4	76.9	76.9	75.4	74.0
87.5°	68.1	74.0	54.7	53.3	50.3	48.8	50.3	50.3	51.8	50.3	48.8
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°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3334.5	3346.3	3355.2	3370.0	3389.2	3405.5	3420.3	3441.0	3473.5	3482.4	3489.8
5°	3433.6	3438.0	3448.4	3460.2	3463.2	3470.6	3469.1	3478.0	3482.4	3492.8	3470.6
7.5°	3439.5	3415.8	3387.7	3362.6	3344.8	3328.6	3318.2	3334.5	3343.3	3350.7	3328.6
10°	3315.2	3287.1	3270.9	3256.1	3238.3	3213.2	3179.1	3186.5	3183.6	3183.6	3176.2
12.5°	3236.8	3196.9	3155.5	3118.5	3102.2	3100.7	3102.2	3118.5	3118.5	3117.0	3108.1
15°	3114.0	3075.6	3054.9	3046.0	3046.0	3041.6	3041.6	3059.3	3054.9	3054.9	3050.4
17.5°	3032.7	3006.1	2991.3	2980.9	2976.5	2983.9	2992.7	3000.1	3001.6	2995.7	2972.0
20°	2966.1	2941.0	2923.2	2926.2	2924.7	2929.1	2933.6	2908.4	2877.3	2835.9	2816.7
22.5°	2896.6	2877.3	2864.0	2864.0	2846.3	2818.2	2776.8	2767.9	2763.4	2744.2	2727.9
25°	2830.0	2807.8	2788.6	2729.4	2692.4	2696.9	2689.5	2674.7	2673.2	2671.7	2677.6
27.5°	2763.4	2705.7	2631.8	2622.9	2608.1	2606.6	2615.5	2622.9	2622.9	2628.8	2636.2
30°	2625.9	2559.3	2546.0	2529.7	2535.6	2556.3	2560.8	2571.1	2574.1	2584.4	2590.4
32.5°	2500.1	2470.5	2458.7	2466.1	2485.3	2503.1	2513.4	2517.9	2525.3	2534.1	2541.5
35°	2398.0	2389.2	2399.5	2415.8	2435.0	2449.8	2458.7	2467.6	2475.0	2482.4	2488.3
37.5°	2322.6	2328.5	2343.3	2364.0	2383.2	2395.1	2402.5	2412.8	2423.2	2432.1	2396.6
40°	2251.6	2266.4	2282.6	2304.8	2321.1	2332.9	2340.3	2353.7	2264.9	1025.2	562.2
42.5°	2189.4	2205.7	2217.6	2235.3	2253.1	2261.9	2196.8	980.8	554.8	551.8	559.2
45°	2114.0	2127.3	2146.5	2159.9	2176.1	1429.1	545.9	551.8	542.9	548.8	551.8
47.5°	2037.1	2057.8	2068.1	1973.5	587.3	542.9	537.0	542.9	537.0	544.4	540.0
50°	1949.8	1974.9	1405.4	531.1	526.7	523.7	529.6	526.7	531.1	537.0	525.2
52.5°	1861.0	1152.4	514.8	511.9	514.8	511.9	522.2	514.8	516.3	510.4	495.6
55°	630.2	498.5	494.1	492.6	501.5	501.5	501.5	489.7	482.3	467.5	457.1
57.5°	482.3	482.3	480.8	482.3	479.3	476.4	463.0	452.7	442.3	421.6	415.7
60°	457.1	457.1	457.1	457.1	443.8	437.9	417.2	408.3	390.6	380.2	374.3
62.5°	436.4	433.5	420.1	415.7	400.9	384.6	372.8	363.9	346.2	340.3	335.8
65°	406.8	396.5	380.2	362.4	355.0	337.3	331.4	318.1	309.2	304.7	301.8
67.5°	358.0	343.2	329.9	318.1	304.7	298.8	291.4	281.1	275.2	272.2	269.2
70°	306.2	295.9	282.6	275.2	266.3	261.8	251.5	248.5	244.1	239.7	235.2
72.5°	255.9	250.0	244.1	233.7	230.8	227.8	217.5	211.5	205.6	199.7	196.8
75°	214.5	210.1	207.1	198.2	193.8	184.9	177.5	173.1	168.6	164.2	161.2
77.5°	176.0	173.1	164.2	158.3	155.3	147.9	145.0	146.5	143.5	137.6	134.6
80°	137.6	134.6	127.2	127.2	124.3	121.3	118.3	115.4	112.4	108.0	105.0
82.5°	105.0	102.1	99.1	96.2	93.2	91.7	90.2	87.3	84.3	81.4	79.9
85°	74.0	72.5	71.0	69.5	68.1	66.6	65.1	62.1	59.2	57.7	56.2
87.5°	50.3	48.8	47.3	45.9	44.4	42.9	41.4	39.9	37.0	35.5	34.0
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°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3489.8	3497.2	3489.8	3473.5	3463.2	3458.7	3467.6	3467.6	3473.5	3480.9	3482.4
5°	3435.1	3417.3	3396.6	3375.9	3365.5	3359.6	3343.3	3346.3	3350.7	3353.7	3356.7
7.5°	3299.0	3275.3	3247.2	3220.6	3210.2	3201.3	3182.1	3182.1	3182.1	3183.6	3192.5
10°	3159.9	3149.5	3137.7	3120.0	3106.6	3102.2	3085.9	3090.4	3087.4	3091.9	3102.2
12.5°	3094.8	3083.0	3072.6	3054.9	3040.1	3034.2	3026.8	3031.2	3029.7	3037.1	3046.0
15°	3035.6	3029.7	3017.9	3004.6	2991.3	2979.4	2952.8	2943.9	2938.0	2930.6	2941.0
17.5°	2938.0	2896.6	2868.5	2847.8	2833.0	2822.6	2815.2	2815.2	2819.7	2824.1	2833.0
20°	2804.9	2793.0	2779.7	2757.5	2742.7	2736.8	2732.4	2732.4	2739.8	2745.7	2762.0
22.5°	2713.1	2711.7	2707.2	2696.9	2689.5	2689.5	2690.9	2693.9	2704.3	2713.1	2729.4
25°	2670.2	2676.2	2673.2	2667.3	2662.8	2664.3	2661.4	2664.3	2674.7	2683.6	2696.9
27.5°	2636.2	2645.1	2642.1	2633.3	2625.9	2628.8	2633.3	2630.3	2639.2	2649.5	2659.9
30°	2590.4	2591.8	2597.7	2587.4	2584.4	2588.9	2590.4	2593.3	2602.2	2609.6	2618.5
32.5°	2538.6	2550.4	2548.9	2538.6	2538.6	2543.0	2544.5	2445.4	2260.5	1946.8	1861.0
35°	2488.3	2501.6	2479.4	2090.3	1446.8	772.2	596.2	575.5	579.9	582.9	585.8
37.5°	1840.3	872.8	556.2	560.7	565.1	569.6	574.0	578.4	582.9	587.3	588.8
40°	553.3	551.8	556.2	562.2	566.6	569.6	575.5	579.9	584.3	588.8	590.3
42.5°	547.4	550.3	554.8	560.7	566.6	572.5	576.9	582.9	585.8	588.8	590.3
45°	544.4	550.3	556.2	560.7	565.1	568.1	571.0	572.5	571.0	571.0	574.0
47.5°	540.0	545.9	547.4	545.9	547.4	545.9	545.9	545.9	541.4	540.0	540.0
50°	523.7	523.7	520.7	514.8	513.3	511.9	508.9	507.4	501.5	500.0	500.0
52.5°	489.7	488.2	483.7	476.4	473.4	470.4	469.0	467.5	461.6	458.6	460.1
55°	449.7	446.8	442.3	433.5	432.0	429.0	427.5	426.1	420.1	423.1	418.7
57.5°	412.7	406.8	400.9	399.4	393.5	392.0	390.6	389.1	384.6	386.1	383.2
60°	368.4	366.9	363.9	358.0	358.0	356.5	356.5	353.6	350.6	349.1	349.1
62.5°	335.8	331.4	328.4	328.4	324.0	324.0	324.0	321.0	318.1	319.5	318.1
65°	300.3	298.8	297.4	294.4	294.4	292.9	292.9	290.0	285.5	287.0	284.0
67.5°	270.7	267.8	264.8	263.3	257.4	254.4	253.0	251.5	245.6	247.1	244.1
70°	233.7	229.3	226.3	223.4	218.9	216.0	216.0	213.0	208.6	210.1	207.1
72.5°	195.3	192.3	189.4	187.9	183.4	182.0	180.5	179.0	174.6	176.0	174.6
75°	162.7	162.7	161.2	159.8	155.3	150.9	147.9	146.5	143.5	145.0	142.0
77.5°	134.6	131.7	128.7	128.7	124.3	121.3	118.3	118.3	118.3	116.9	115.4
80°	105.0	102.1	102.1	100.6	97.6	94.7	93.2	93.2	91.7	91.7	90.2
82.5°	79.9	76.9	75.4	75.4	72.5	71.0	69.5	68.1	68.1	68.1	66.6
85°	56.2	53.3	51.8	51.8	48.8	47.3	47.3	45.9	45.9	44.4	44.4
87.5°	34.0	32.5	31.1	31.1	28.1	26.6	26.6	26.6	25.1	25.1	23.7
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3482.4	3482.4	3472.0	3475.0	3470.6	3476.5	3469.1	3469.1	3478.0	3478.0	3483.9
5°	3358.1	3350.7	3349.3	3346.3	3331.5	3337.4	3330.0	3322.6	3333.0	3333.0	3346.3
7.5°	3188.0	3174.7	3180.6	3171.7	3162.9	3149.5	3154.0	3148.1	3155.5	3165.8	3179.1
10°	3100.7	3088.9	3096.3	3087.4	3091.9	3072.6	3074.1	3075.6	3083.0	3085.9	3097.8
12.5°	3044.5	3041.6	3038.6	3035.6	3038.6	3028.2	3022.3	3023.8	3026.8	3028.2	3037.1
15°	2926.2	2906.9	2912.9	2892.1	2893.6	2895.1	2883.3	2895.1	2893.6	2912.9	2930.6
17.5°	2830.0	2830.0	2819.7	2810.8	2804.9	2803.4	2794.5	2800.4	2794.5	2806.3	2810.8
20°	2763.4	2762.0	2760.5	2756.0	2741.2	2742.7	2747.2	2733.9	2732.4	2730.9	2739.8
22.5°	2732.4	2733.9	2727.9	2727.9	2714.6	2717.6	2719.1	2704.3	2705.7	2701.3	2705.7
25°	2699.8	2702.8	2695.4	2695.4	2692.4	2690.9	2683.6	2686.5	2677.6	2670.2	2677.6
27.5°	2661.4	2667.3	2661.4	2664.3	2658.4	2655.4	2651.0	2648.0	2639.2	2637.7	2642.1
30°	2625.9	2628.8	2627.3	2619.9	2618.5	2609.6	2614.0	2605.1	2596.3	2597.7	2600.7
32.5°	1346.2	1285.6	991.2	895.0	886.1	918.7	1088.8	1325.5	1717.5	2097.7	2371.4
35°	587.3	587.3	587.3	585.8	585.8	584.3	582.9	581.4	579.9	578.4	576.9
37.5°	590.3	590.3	590.3	590.3	588.8	587.3	587.3	584.3	582.9	581.4	579.9
40°	591.7	593.2	593.2	593.2	591.7	591.7	590.3	587.3	585.8	582.9	579.9
42.5°	590.3	591.7	591.7	590.3	590.3	588.8	588.8	587.3	585.8	584.3	582.9
45°	571.0	572.5	569.6	569.6	568.1	568.1	568.1	568.1	568.1	569.6	569.6
47.5°	537.0	537.0	535.5	534.0	534.0	532.6	534.0	532.6	535.5	537.0	540.0
50°	497.1	497.1	494.1	492.6	492.6	492.6	492.6	494.1	495.6	498.5	501.5
52.5°	455.6	455.6	454.2	452.7	451.2	451.2	455.6	454.2	455.6	457.1	461.6
55°	415.7	417.2	414.2	414.2	412.7	412.7	412.7	414.2	415.7	417.2	421.6
57.5°	381.7	381.7	378.7	378.7	378.7	377.2	381.7	378.7	380.2	381.7	384.6
60°	347.6	346.2	346.2	344.7	344.7	344.7	347.6	346.2	346.2	347.6	350.6
62.5°	316.6	316.6	315.1	315.1	313.6	313.6	316.6	315.1	315.1	316.6	318.1
65°	281.1	281.1	279.6	278.1	282.6	278.1	282.6	279.6	282.6	284.0	287.0
67.5°	241.1	241.1	241.1	239.7	239.7	242.6	244.1	241.1	242.6	245.6	247.1
70°	205.6	205.6	204.2	204.2	204.2	207.1	208.6	205.6	207.1	208.6	211.5
72.5°	174.6	171.6	171.6	170.1	173.1	173.1	174.6	173.1	174.6	174.6	177.5
75°	143.5	140.5	140.5	140.5	143.5	142.0	143.5	142.0	143.5	143.5	145.0
77.5°	115.4	113.9	112.4	112.4	115.4	115.4	115.4	113.9	115.4	116.9	118.3
80°	90.2	88.8	87.3	87.3	90.2	90.2	90.2	91.7	90.2	91.7	93.2
82.5°	66.6	65.1	63.6	66.6	66.6	66.6	66.6	68.1	66.6	68.1	69.5
85°	44.4	42.9	41.4	44.4	44.4	44.4	44.4	45.9	44.4	45.9	47.3
87.5°	23.7	22.2	22.2	23.7	23.7	23.7	25.1	25.1	25.1	26.6	26.6
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3492.8	3497.2	3495.7	3486.8	3478.0	3467.6	3460.2	3461.7	3476.5	3480.9	3467.6
5°	3346.3	3374.4	3374.4	3393.6	3383.3	3374.4	3380.3	3412.9	3429.1	3454.3	3463.2
7.5°	3195.4	3208.7	3207.2	3226.5	3223.5	3223.5	3228.0	3270.9	3291.6	3312.3	3318.2
10°	3111.1	3124.4	3122.9	3124.4	3120.0	3109.6	3109.6	3128.8	3146.6	3156.9	3159.9
12.5°	3050.4	3057.8	3056.3	3056.3	3053.4	3044.5	3043.0	3059.3	3078.5	3091.9	3093.3
15°	2960.2	2980.9	2985.3	3004.6	3000.1	2988.3	2991.3	3004.6	3016.4	3028.2	3023.8
17.5°	2825.6	2835.9	2837.4	2844.8	2841.8	2841.8	2859.6	2908.4	2941.0	2969.1	2972.0
20°	2748.6	2756.0	2753.1	2769.4	2762.0	2760.5	2764.9	2785.6	2800.4	2813.7	2837.4
22.5°	2711.7	2717.6	2713.1	2714.6	2701.3	2689.5	2686.5	2702.8	2719.1	2736.8	2736.8
25°	2680.6	2685.0	2683.6	2680.6	2670.2	2654.0	2651.0	2654.0	2659.9	2661.4	2651.0
27.5°	2643.6	2646.6	2646.6	2648.0	2634.7	2619.9	2617.0	2614.0	2619.9	2618.5	2602.2
30°	2605.1	2600.7	2602.2	2603.7	2591.8	2578.5	2572.6	2571.1	2577.0	2575.6	2559.3
32.5°	2513.4	2547.5	2550.4	2553.4	2543.0	2531.2	2525.3	2520.8	2523.8	2522.3	2507.5
35°	575.5	585.8	717.5	1624.3	2205.7	2442.4	2467.6	2461.6	2463.1	2463.1	2451.3
37.5°	576.9	575.5	574.0	569.6	565.1	562.2	971.9	2072.6	2401.0	2402.5	2392.1
40°	576.9	575.5	574.0	571.0	565.1	560.7	553.3	547.4	560.7	1233.8	2257.5
42.5°	579.9	576.9	574.0	571.0	565.1	559.2	553.3	545.9	550.3	547.4	540.0
45°	571.0	569.6	569.6	568.1	565.1	559.2	551.8	542.9	538.5	542.9	535.5
47.5°	542.9	544.4	548.8	550.3	550.3	551.8	547.4	541.4	534.0	538.5	529.6
50°	504.5	507.4	508.9	516.3	519.3	525.2	526.7	526.7	525.2	531.1	525.2
52.5°	463.0	466.0	473.4	476.4	479.3	488.2	491.1	495.6	498.5	507.4	513.3
55°	423.1	424.6	427.5	433.5	437.9	445.3	449.7	454.2	461.6	466.0	483.7
57.5°	386.1	387.6	393.5	395.0	397.9	403.9	408.3	414.2	420.1	423.1	443.8
60°	350.6	352.1	356.5	358.0	359.5	365.4	369.8	374.3	378.7	381.7	396.5
62.5°	319.5	319.5	324.0	324.0	325.5	329.9	332.9	335.8	340.3	341.7	349.1
65°	288.5	290.0	292.9	292.9	294.4	297.4	298.8	300.3	304.7	304.7	310.7
67.5°	250.0	251.5	255.9	258.9	260.4	266.3	267.8	269.2	272.2	273.7	276.6
70°	213.0	214.5	218.9	220.4	221.9	226.3	229.3	233.7	238.2	242.6	245.6
72.5°	179.0	180.5	184.9	184.9	189.4	190.8	193.8	195.3	199.7	202.7	207.1
75°	146.5	147.9	152.4	152.4	156.8	158.3	159.8	161.2	164.2	167.2	170.1
77.5°	119.8	119.8	125.7	128.7	131.7	131.7	133.1	133.1	133.1	134.6	137.6
80°	94.7	94.7	99.1	102.1	105.0	105.0	106.5	108.0	109.5	109.5	111.0
82.5°	71.0	71.0	75.4	76.9	79.9	79.9	79.9	81.4	82.8	81.4	84.3
85°	48.8	48.8	51.8	53.3	56.2	56.2	56.2	57.7	59.2	57.7	59.2
87.5°	28.1	29.6	31.1	32.5	34.0	35.5	35.5	35.5	37.0	37.0	38.5
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3452.8	3435.1	3433.6	3412.9	3407.0	3408.4	3392.2	3386.2	3359.6	3353.7	3325.6
5°	3466.1	3475.0	3470.6	3469.1	3473.5	3470.6	3458.7	3452.8	3448.4	3436.5	3412.9
7.5°	3319.7	3325.6	3330.0	3349.3	3365.5	3393.6	3423.2	3442.5	3457.3	3460.2	3441.0
10°	3170.3	3198.4	3217.6	3247.2	3270.9	3287.1	3304.9	3321.2	3364.1	3407.0	3432.1
12.5°	3093.3	3100.7	3099.3	3115.5	3131.8	3174.7	3216.1	3239.8	3272.3	3291.6	3337.4
15°	3028.2	3029.7	3034.2	3046.0	3054.9	3069.7	3088.9	3124.4	3189.5	3219.1	3244.2
17.5°	2969.1	2969.1	2972.0	2982.4	2994.2	3007.5	3019.4	3034.2	3066.7	3115.5	3177.7
20°	2874.4	2915.8	2920.2	2918.8	2924.7	2949.8	2952.8	2979.4	2995.7	3014.9	3075.6
22.5°	2733.9	2759.0	2794.5	2849.2	2870.0	2881.8	2890.7	2902.5	2927.6	2949.8	2975.0
25°	2656.9	2673.2	2683.6	2699.8	2742.7	2812.3	2825.6	2838.9	2855.2	2871.4	2902.5
27.5°	2588.9	2587.4	2594.8	2609.6	2621.4	2658.4	2723.5	2775.3	2778.2	2801.9	2828.5
30°	2540.1	2531.2	2520.8	2517.9	2534.1	2553.4	2572.6	2654.0	2710.2	2722.0	2750.1
32.5°	2494.2	2479.4	2464.6	2452.8	2442.4	2458.7	2470.5	2506.0	2578.5	2646.6	2661.4
35°	2438.0	2423.2	2405.4	2392.1	2375.8	2374.4	2372.9	2406.9	2430.6	2511.9	2583.0
37.5°	2380.3	2364.0	2349.2	2334.4	2318.2	2306.3	2298.9	2307.8	2330.0	2365.5	2483.8
40°	2319.6	2300.4	2285.6	2273.8	2251.6	2242.7	2227.9	2222.0	2223.5	2254.5	2316.7
42.5°	1386.2	2210.2	2217.6	2204.2	2185.0	2173.2	2156.9	2149.5	2134.7	2149.5	2185.0
45°	534.0	540.0	1616.9	2136.2	2112.5	2097.7	2082.9	2075.5	2059.3	2047.4	2080.0
47.5°	523.7	529.6	517.8	733.8	2016.4	2020.8	2003.0	1995.7	1979.4	1970.5	1961.6
50°	516.3	520.7	511.9	514.8	504.5	1847.7	1921.7	1912.8	1895.1	1884.7	1866.9
52.5°	508.9	508.9	503.0	495.6	492.6	494.1	1554.8	1828.5	1807.8	1797.4	1773.7
55°	485.2	488.2	494.1	482.3	479.3	477.8	473.4	1480.8	1711.6	1699.8	1679.1
57.5°	449.7	455.6	471.9	469.0	469.0	457.1	454.2	454.2	1374.3	1600.7	1580.0
60°	408.3	414.2	432.0	437.9	442.3	439.4	436.4	434.9	429.0	1448.3	1474.9
62.5°	365.4	371.3	377.2	396.5	402.4	409.8	418.7	414.2	408.3	408.3	1364.0
65°	319.5	328.4	331.4	349.1	356.5	369.8	377.2	387.6	384.6	383.2	390.6
67.5°	279.6	290.0	291.4	298.8	312.1	318.1	326.9	346.2	355.0	358.0	361.0
70°	245.6	251.5	255.9	258.9	267.8	269.2	285.5	298.8	312.1	326.9	331.4
72.5°	211.5	216.0	224.9	221.9	224.9	230.8	239.7	248.5	261.8	282.6	295.9
75°	173.1	176.0	182.0	184.9	190.8	195.3	201.2	208.6	220.4	230.8	248.5
77.5°	139.1	140.5	145.0	146.5	152.4	156.8	167.2	171.6	179.0	186.4	196.8
80°	112.4	112.4	113.9	113.9	118.3	122.8	130.2	134.6	143.5	149.4	149.4
82.5°	85.8	85.8	90.2	90.2	93.2	93.2	97.6	97.6	102.1	105.0	108.0
85°	60.7	62.1	65.1	63.6	66.6	65.1	68.1	71.0	72.5	71.0	69.5
87.5°	39.9	39.9	42.9	41.4	42.9	42.9	45.9	45.9	47.3	47.3	45.9
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3315.2	3293.0	3279.7	3263.5	3259.0	3254.6	3260.5	3260.5	3251.6	3244.2	3230.9
5°	3392.2	3368.5	3343.3	3316.7	3291.6	3264.9	3254.6	3253.1	3236.8	3228.0	3223.5
7.5°	3432.1	3420.3	3392.2	3355.2	3316.7	3269.4	3248.7	3236.8	3220.6	3217.6	3217.6
10°	3436.5	3423.2	3408.4	3381.8	3337.4	3275.3	3235.4	3211.7	3196.9	3207.2	3226.5
12.5°	3393.6	3418.8	3405.5	3387.7	3352.2	3276.8	3219.1	3183.6	3179.1	3205.8	3256.1
15°	3284.2	3358.1	3395.1	3377.4	3349.3	3273.8	3192.5	3151.0	3151.0	3205.8	3270.9
17.5°	3201.3	3259.0	3349.3	3364.1	3331.5	3267.9	3167.3	3118.5	3131.8	3211.7	3281.2
20°	3133.3	3168.8	3256.1	3338.9	3307.8	3254.6	3130.3	3080.0	3106.6	3202.8	3296.0
22.5°	3026.8	3097.8	3151.0	3273.8	3284.2	3229.4	3093.3	3032.7	3085.9	3202.8	3288.6
25°	2923.2	3009.0	3065.2	3185.1	3248.7	3198.4	3059.3	2982.4	3063.7	3198.4	3282.7
27.5°	2850.7	2890.7	2992.7	3078.5	3195.4	3156.9	3013.4	2927.6	3035.6	3174.7	3248.7
30°	2773.8	2800.4	2901.0	2982.4	3124.4	3109.6	2966.1	2867.0	3000.1	3152.5	3159.9
32.5°	2689.5	2719.1	2770.8	2889.2	3025.3	3065.2	2912.9	2806.3	2961.7	3118.5	3056.3
35°	2603.7	2625.9	2667.3	2794.5	2909.9	2998.7	2847.8	2736.8	2935.0	3066.7	2957.2
37.5°	2517.9	2541.5	2577.0	2683.6	2788.6	2936.5	2791.5	2667.3	2886.2	2975.0	2853.7
40°	2436.5	2449.8	2486.8	2553.4	2688.0	2872.9	2727.9	2594.8	2835.9	2858.1	2713.1
42.5°	2287.1	2353.7	2387.7	2440.9	2574.1	2785.6	2654.0	2517.9	2779.7	2741.2	2572.6
45°	2125.8	2270.8	2285.6	2338.9	2473.5	2692.4	2584.4	2442.4	2726.5	2640.7	2439.5
47.5°	1994.2	2099.2	2185.0	2229.4	2353.7	2583.0	2519.3	2378.8	2646.6	2513.4	2309.3
50°	1877.3	1933.5	2088.9	2121.4	2210.2	2451.3	2442.4	2304.8	2535.6	2353.7	2182.1
52.5°	1763.4	1803.3	1943.9	2013.4	2085.9	2309.3	2350.7	2232.3	2414.3	2193.9	2053.3
55°	1664.3	1677.6	1754.5	1901.0	1966.1	2165.8	2250.1	2148.0	2260.5	2041.5	1929.1
57.5°	1562.2	1550.4	1606.6	1794.5	1841.8	2019.3	2143.6	2062.2	2136.2	1886.2	1800.4
60°	1455.7	1439.4	1463.1	1587.3	1710.1	1874.3	2017.8	1967.5	1985.3	1732.3	1656.9
62.5°	1344.7	1328.5	1321.1	1399.5	1581.4	1724.9	1890.6	1862.5	1800.4	1591.8	1479.4
65°	1229.3	1213.1	1201.2	1232.3	1439.4	1531.1	1748.6	1741.2	1597.7	1443.9	1245.6
67.5°	374.3	1103.6	1078.5	1077.0	1213.1	1355.1	1594.7	1582.9	1393.6	1285.6	1072.5
70°	337.3	895.0	951.2	937.9	997.1	1176.1	1418.7	1409.8	1195.3	1031.1	948.3
72.5°	309.2	316.6	840.3	825.5	838.8	1000.0	1235.3	1211.6	1013.4	813.6	819.6
75°	264.8	278.1	290.0	696.8	679.0	828.4	1035.5	998.6	835.8	671.6	684.9
77.5°	216.0	232.3	241.1	507.4	548.8	590.3	827.0	778.1	575.5	537.0	255.9
80°	161.2	174.6	189.4	202.7	417.2	412.7	613.9	565.1	400.9	334.3	199.7
82.5°	118.3	122.8	131.7	146.5	165.7	276.6	395.0	347.6	278.1	152.4	137.6
85°	74.0	79.9	84.3	88.8	100.6	165.7	195.3	155.3	116.9	93.2	87.3
87.5°	47.3	47.3	45.9	47.3	48.8	59.2	66.6	63.6	50.3	47.3	47.3
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3216.1	3195.4	3195.4	3189.5	3193.9	3193.9	3192.5	3193.9	3204.3	3210.2	3220.6
5°	3214.6	3208.7	3222.0	3238.3	3257.5	3281.2	3287.1	3307.8	3327.1	3352.2	3378.8
7.5°	3233.9	3254.6	3279.7	3306.4	3344.8	3372.9	3398.1	3423.2	3441.0	3464.7	3479.4
10°	3262.0	3303.4	3346.3	3380.3	3421.8	3445.4	3461.7	3464.7	3439.5	3399.6	3367.0
12.5°	3301.9	3350.7	3390.7	3423.2	3442.5	3433.6	3386.2	3337.4	3309.3	3267.9	3210.2
15°	3335.9	3380.3	3421.8	3408.4	3356.7	3307.8	3270.9	3213.2	3156.9	3118.5	3093.3
17.5°	3350.7	3393.6	3378.8	3309.3	3260.5	3204.3	3128.8	3084.5	3047.5	3017.9	3003.1
20°	3359.6	3352.2	3272.3	3222.0	3127.4	3075.6	3026.8	2985.3	2957.2	2942.4	2939.5
22.5°	3335.9	3245.7	3177.7	3087.4	3017.9	2975.0	2936.5	2902.5	2883.3	2871.4	2864.0
25°	3257.5	3152.5	3051.9	2980.9	2921.7	2884.7	2855.2	2827.0	2803.4	2797.5	2782.7
27.5°	3148.1	3062.3	2929.1	2874.4	2822.6	2804.9	2772.3	2744.2	2723.5	2705.7	2658.4
30°	3057.8	2921.7	2825.6	2775.3	2744.2	2723.5	2686.5	2656.9	2621.4	2556.3	2529.7
32.5°	2946.9	2812.3	2720.5	2692.4	2654.0	2636.2	2594.8	2529.7	2475.0	2448.3	2446.9
35°	2803.4	2692.4	2625.9	2600.7	2569.6	2540.1	2454.3	2395.1	2368.4	2371.4	2393.6
37.5°	2683.6	2584.4	2541.5	2506.0	2470.5	2395.1	2322.6	2294.5	2301.9	2316.7	2327.0
40°	2562.2	2486.8	2438.0	2409.9	2330.0	2256.0	2217.6	2227.9	2241.2	2251.6	2264.9
42.5°	2443.9	2390.6	2341.8	2287.1	2177.6	2137.7	2146.5	2159.9	2171.7	2186.5	2199.8
45°	2331.5	2284.1	2227.9	2103.6	2048.9	2059.3	2072.6	2082.9	2100.7	2111.0	2124.4
47.5°	2225.0	2174.7	2075.5	1966.1	1960.1	1980.9	1992.7	2006.0	2019.3	1992.7	1099.2
50°	2105.1	2053.3	1902.5	1861.0	1874.3	1893.6	1908.4	1921.7	1711.6	680.5	523.7
52.5°	1986.8	1855.1	1759.0	1770.8	1784.1	1806.3	1816.6	1349.2	537.0	511.9	513.3
55°	1855.1	1686.5	1658.4	1673.2	1685.0	1707.2	1131.7	495.6	492.6	491.1	503.0
57.5°	1648.0	1545.9	1557.8	1572.6	1584.4	1118.4	482.3	479.3	480.8	482.3	483.7
60°	1463.1	1440.9	1454.2	1467.5	1038.5	466.0	457.1	458.6	464.5	460.1	448.2
62.5°	1316.6	1334.4	1347.7	1180.5	442.3	437.9	442.3	437.9	427.5	420.1	405.3
65°	1204.2	1221.9	1232.3	415.7	414.2	420.1	415.7	400.9	384.6	363.9	359.5
67.5°	1085.8	1103.6	395.0	384.6	390.6	383.2	365.4	347.6	335.8	318.1	310.7
70°	963.1	412.7	358.0	356.5	346.2	334.3	315.1	297.4	282.6	275.2	267.8
72.5°	695.3	326.9	322.5	310.7	292.9	276.6	260.4	250.0	242.6	238.2	233.7
75°	290.0	284.0	270.7	250.0	232.3	224.9	213.0	205.6	202.7	193.8	190.8
77.5°	242.6	230.8	211.5	196.8	186.4	182.0	173.1	164.2	159.8	158.3	152.4
80°	186.4	170.1	161.2	153.9	150.9	140.5	130.2	125.7	122.8	121.3	116.9
82.5°	127.2	121.3	115.4	105.0	105.0	100.6	96.2	93.2	90.2	90.2	87.3
85°	82.8	78.4	76.9	72.5	72.5	69.5	68.1	66.6	65.1	63.6	62.1
87.5°	47.3	47.3	48.8	47.3	47.3	45.9	44.4	42.9	41.4	41.4	38.5
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3233.9	3248.7	3251.6	3301.9	3330.0	3328.6	3319.7	3346.3	3330.0	3321.2	3330.0
5°	3405.5	3423.2	3438.0	3492.8	3512.0	3520.9	3519.4	3534.2	3522.3	3512.0	3512.0
7.5°	3489.8	3495.7	3501.6	3488.3	3479.4	3464.7	3442.5	3409.9	3393.6	3375.9	3353.7
10°	3350.7	3331.5	3338.9	3312.3	3290.1	3273.8	3253.1	3226.5	3204.3	3188.0	3162.9
12.5°	3180.6	3179.1	3182.1	3186.5	3164.3	3151.0	3134.8	3115.5	3099.3	3081.5	3060.8
15°	3077.1	3078.5	3090.4	3085.9	3078.5	3071.1	3053.4	3047.5	3032.7	3013.4	3001.6
17.5°	3003.1	3010.5	3022.3	3016.4	3004.6	2997.2	2983.9	2970.5	2957.2	2942.4	2924.7
20°	2938.0	2945.4	2952.8	2945.4	2923.2	2912.9	2895.1	2853.7	2824.1	2794.5	2767.9
22.5°	2867.0	2871.4	2865.5	2841.8	2785.6	2759.0	2738.3	2726.5	2701.3	2685.0	2668.8
25°	2778.2	2753.1	2714.6	2688.0	2665.8	2654.0	2645.1	2643.6	2640.7	2637.7	2630.3
27.5°	2633.3	2624.4	2603.7	2593.3	2594.8	2599.2	2600.7	2605.1	2600.7	2594.8	2588.9
30°	2525.3	2529.7	2531.2	2534.1	2541.5	2546.0	2547.5	2553.4	2550.4	2546.0	2543.0
32.5°	2457.2	2467.6	2473.5	2482.4	2486.8	2494.2	2494.2	2503.1	2494.2	2492.7	2489.8
35°	2401.0	2409.9	2412.8	2426.1	2430.6	2438.0	2438.0	2445.4	2438.0	2362.5	1865.5
37.5°	2344.8	2353.7	2359.6	2371.4	2372.9	2377.3	2193.9	1605.1	1035.5	801.8	612.5
40°	2278.2	2288.6	2294.5	2298.9	1615.5	1025.2	705.7	574.0	574.0	578.4	582.9
42.5°	2207.2	2214.6	1543.0	898.0	559.2	557.7	562.2	566.6	571.0	576.9	582.9
45°	1735.3	875.8	556.2	542.9	547.4	553.3	559.2	565.1	572.5	578.4	581.4
47.5°	569.6	534.0	541.4	535.5	542.9	550.3	556.2	562.2	563.6	565.1	563.6
50°	526.7	526.7	531.1	531.1	537.0	540.0	540.0	540.0	534.0	532.6	528.1
52.5°	508.9	520.7	514.8	517.8	514.8	510.4	505.9	501.5	492.6	489.7	483.7
55°	500.0	504.5	489.7	485.2	479.3	467.5	461.6	455.6	448.2	445.3	437.9
57.5°	479.3	469.0	452.7	445.3	434.9	423.1	417.2	412.7	405.3	402.4	397.9
60°	440.8	420.1	409.8	400.9	389.1	378.7	374.3	371.3	365.4	363.9	359.5
62.5°	393.5	375.8	366.9	355.0	346.2	340.3	335.8	334.3	328.4	328.4	325.5
65°	341.7	332.9	325.5	313.6	309.2	303.3	301.8	300.3	297.4	295.9	292.9
67.5°	300.3	294.4	284.0	278.1	275.2	270.7	267.8	264.8	258.9	255.9	251.5
70°	263.3	258.9	248.5	244.1	238.2	230.8	226.3	223.4	218.9	216.0	211.5
72.5°	227.8	214.5	207.1	202.7	198.2	190.8	189.4	186.4	182.0	180.5	176.0
75°	183.4	173.1	168.6	165.7	161.2	156.8	156.8	156.8	152.4	150.9	149.4
77.5°	146.5	140.5	137.6	134.6	133.1	130.2	125.7	124.3	119.8	119.8	118.3
80°	112.4	109.5	106.5	105.0	103.6	100.6	97.6	96.2	91.7	91.7	90.2
82.5°	82.8	81.4	79.9	78.4	76.9	75.4	71.0	69.5	66.6	66.6	65.1
85°	59.2	57.7	54.7	53.3	53.3	51.8	47.3	45.9	42.9	42.9	42.9
87.5°	37.0	35.5	34.0	32.5	31.1	29.6	26.6	25.1	25.1	22.2	20.7
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3312.3	3337.4	3334.5	3352.2	3356.7	3365.5	3368.5	3370.0	3347.8	3365.5	3367.0
5°	3507.6	3512.0	3515.0	3522.3	3529.7	3531.2	3523.8	3515.0	3517.9	3512.0	3497.2
7.5°	3350.7	3328.6	3324.1	3318.2	3315.2	3312.3	3299.0	3310.8	3297.5	3291.6	3270.9
10°	3158.4	3137.7	3136.2	3136.2	3140.7	3139.2	3136.2	3130.3	3142.2	3134.8	3130.3
12.5°	3057.8	3050.4	3054.9	3051.9	3063.7	3066.7	3063.7	3063.7	3060.8	3054.9	3057.8
15°	2997.2	2991.3	2995.7	2991.3	3000.1	3001.6	2994.2	2998.7	2991.3	2983.9	2980.9
17.5°	2917.3	2904.0	2893.6	2878.8	2880.3	2877.3	2868.5	2868.5	2861.1	2841.8	2843.3
20°	2763.4	2750.1	2744.2	2744.2	2751.6	2754.6	2753.1	2756.0	2748.6	2745.7	2733.9
22.5°	2667.3	2665.8	2668.8	2676.2	2688.0	2704.3	2705.7	2705.7	2705.7	2704.3	2689.5
25°	2633.3	2633.3	2636.2	2646.6	2655.4	2667.3	2670.2	2673.2	2670.2	2670.2	2656.9
27.5°	2594.8	2591.8	2597.7	2608.1	2618.5	2627.3	2634.7	2636.2	2631.8	2631.8	2636.2
30°	2547.5	2546.0	2553.4	2563.7	2572.6	2581.5	2588.9	2594.8	2588.9	2588.9	2584.4
32.5°	2498.6	2498.6	2501.6	2439.5	2261.9	2037.1	2041.5	1911.3	1821.1	1707.2	1858.1
35°	1559.2	1134.7	974.9	825.5	720.4	652.4	650.9	628.7	618.4	611.0	609.5
37.5°	588.8	591.7	597.7	600.6	605.1	608.0	609.5	609.5	609.5	609.5	608.0
40°	587.3	593.2	597.7	602.1	606.5	609.5	609.5	611.0	612.5	612.5	612.5
42.5°	588.8	594.7	600.6	605.1	608.0	609.5	611.0	612.5	612.5	612.5	612.5
45°	587.3	590.3	590.3	591.7	591.7	591.7	593.2	593.2	591.7	590.3	593.2
47.5°	565.1	565.1	560.7	559.2	557.7	554.8	556.2	554.8	553.3	551.8	554.8
50°	526.7	520.7	517.8	514.8	513.3	510.4	511.9	510.4	508.9	505.9	510.4
52.5°	480.8	479.3	473.4	470.4	469.0	470.4	467.5	466.0	464.5	463.0	464.5
55°	436.4	430.5	429.0	426.1	424.6	426.1	424.6	423.1	421.6	420.1	421.6
57.5°	396.5	392.0	390.6	387.6	387.6	387.6	387.6	386.1	384.6	383.2	384.6
60°	358.0	355.0	353.6	353.6	352.1	352.1	352.1	350.6	349.1	349.1	350.6
62.5°	325.5	325.5	321.0	319.5	319.5	321.0	319.5	318.1	316.6	315.1	318.1
65°	291.4	285.5	284.0	281.1	278.1	279.6	278.1	276.6	275.2	273.7	276.6
67.5°	250.0	248.5	242.6	239.7	238.2	239.7	238.2	236.7	235.2	233.7	236.7
70°	210.1	210.1	204.2	202.7	201.2	201.2	199.7	199.7	198.2	196.8	199.7
72.5°	174.6	174.6	173.1	170.1	168.6	167.2	165.7	164.2	164.2	165.7	165.7
75°	145.0	142.0	136.1	137.6	136.1	134.6	134.6	133.1	131.7	134.6	133.1
77.5°	113.9	112.4	108.0	109.5	108.0	106.5	106.5	105.0	103.6	105.0	105.0
80°	85.8	85.8	84.3	82.8	82.8	81.4	79.9	79.9	78.4	79.9	79.9
82.5°	62.1	62.1	60.7	59.2	57.7	57.7	56.2	56.2	56.2	56.2	56.2
85°	39.9	38.5	38.5	35.5	35.5	35.5	34.0	34.0	34.0	34.0	34.0
87.5°	19.2	19.2	17.8	17.8	16.3	14.8	14.8	13.3	13.3	14.8	14.8
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3340.4	3359.6	3343.3	3350.7	3352.2	3377.4	3375.9	3381.8	3371.5	3359.6	3343.3
5°	3510.5	3501.6	3489.8	3517.9	3503.1	3520.9	3526.8	3538.6	3538.6	3537.1	3523.8
7.5°	3293.0	3273.8	3288.6	3299.0	3303.4	3291.6	3315.2	3341.9	3364.1	3377.4	3378.8
10°	3122.9	3128.8	3127.4	3131.8	3142.2	3140.7	3155.5	3170.3	3176.2	3185.1	3188.0
12.5°	3043.0	3041.6	3044.5	3054.9	3060.8	3059.3	3074.1	3083.0	3085.9	3087.4	3085.9
15°	2979.4	2969.1	2976.5	2977.9	2982.4	2982.4	3000.1	3013.4	3019.4	3022.3	3019.4
17.5°	2859.6	2834.4	2858.1	2858.1	2874.4	2871.4	2899.5	2921.7	2933.6	2942.4	2942.4
20°	2741.2	2729.4	2738.3	2735.3	2747.2	2745.7	2763.4	2778.2	2788.6	2796.0	2804.9
22.5°	2693.9	2696.9	2683.6	2685.0	2685.0	2683.6	2692.4	2699.8	2702.8	2707.2	2704.3
25°	2662.8	2665.8	2661.4	2654.0	2651.0	2654.0	2658.4	2667.3	2668.8	2665.8	2655.4
27.5°	2631.8	2622.9	2630.3	2617.0	2614.0	2619.9	2625.9	2627.3	2628.8	2628.8	2619.9
30°	2584.4	2577.0	2584.4	2578.5	2572.6	2578.5	2583.0	2583.0	2585.9	2587.4	2577.0
32.5°	1806.3	1821.1	2060.7	2205.7	2409.9	2513.4	2532.7	2532.7	2535.6	2535.6	2526.7
35°	615.4	616.9	667.2	723.4	843.2	991.2	1185.0	1285.6	1625.8	2032.6	2426.1
37.5°	608.0	606.5	605.1	603.6	602.1	600.6	597.7	596.2	605.1	717.5	973.4
40°	611.0	609.5	606.5	605.1	603.6	600.6	599.1	596.2	593.2	590.3	587.3
42.5°	611.0	609.5	608.0	606.5	605.1	603.6	600.6	597.7	594.7	590.3	585.8
45°	590.3	590.3	591.7	591.7	593.2	593.2	593.2	591.7	591.7	590.3	584.3
47.5°	551.8	551.8	556.2	556.2	559.2	562.2	562.2	565.1	569.6	572.5	574.0
50°	507.4	507.4	511.9	513.3	516.3	520.7	525.2	526.7	531.1	537.0	542.9
52.5°	463.0	463.0	467.5	467.5	470.4	474.9	479.3	480.8	486.7	492.6	500.0
55°	421.6	421.6	424.6	426.1	427.5	430.5	434.9	434.9	440.8	445.3	452.7
57.5°	384.6	387.6	387.6	387.6	389.1	392.0	395.0	395.0	399.4	403.9	409.8
60°	349.1	352.1	352.1	352.1	353.6	355.0	358.0	358.0	361.0	363.9	369.8
62.5°	316.6	319.5	319.5	321.0	321.0	322.5	325.5	324.0	326.9	328.4	332.9
65°	275.2	278.1	279.6	281.1	282.6	285.5	290.0	288.5	292.9	295.9	300.3
67.5°	235.2	238.2	238.2	239.7	241.1	244.1	247.1	247.1	251.5	254.4	260.4
70°	198.2	201.2	201.2	202.7	204.2	207.1	210.1	208.6	213.0	216.0	220.4
72.5°	164.2	167.2	167.2	168.6	168.6	171.6	174.6	177.5	177.5	180.5	183.4
75°	133.1	134.6	136.1	136.1	137.6	139.1	142.0	145.0	146.5	147.9	150.9
77.5°	105.0	106.5	108.0	108.0	109.5	111.0	112.4	118.3	121.3	122.8	122.8
80°	79.9	81.4	81.4	81.4	82.8	84.3	87.3	87.3	93.2	93.2	94.7
82.5°	56.2	57.7	57.7	57.7	59.2	62.1	63.6	65.1	68.1	69.5	69.5
85°	34.0	35.5	35.5	35.5	37.0	38.5	41.4	42.9	44.4	44.4	45.9
87.5°	13.3	14.8	16.3	16.3	17.8	19.2	20.7	22.2	23.7	23.7	25.1
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3325.6	3335.9	3325.6	3331.5	3338.9	3325.6	3294.5	3282.7	3278.3	3260.5	3248.7
5°	3510.5	3510.5	3506.1	3517.9	3516.4	3495.7	3463.2	3448.4	3433.6	3414.4	3399.6
7.5°	3378.8	3390.7	3398.1	3443.9	3473.5	3476.5	3497.2	3501.6	3507.6	3501.6	3492.8
10°	3189.5	3185.1	3205.8	3248.7	3273.8	3287.1	3327.1	3346.3	3362.6	3395.1	3429.1
12.5°	3083.0	3088.9	3097.8	3128.8	3152.5	3146.6	3162.9	3176.2	3195.4	3228.0	3276.8
15°	3012.0	3017.9	3026.8	3050.4	3065.2	3057.8	3066.7	3075.6	3088.9	3105.2	3134.8
17.5°	2935.0	2945.4	2955.8	2980.9	2994.2	2992.7	3000.1	3003.1	3007.5	3017.9	3038.6
20°	2815.2	2847.8	2868.5	2902.5	2921.7	2918.8	2932.1	2936.5	2942.4	2952.8	2961.7
22.5°	2705.7	2714.6	2725.0	2762.0	2794.5	2834.4	2843.3	2855.2	2870.0	2880.3	2889.2
25°	2643.6	2637.7	2642.1	2667.3	2685.0	2688.0	2701.3	2739.8	2779.7	2797.5	2818.2
27.5°	2606.6	2600.7	2599.2	2611.1	2614.0	2606.6	2603.7	2615.5	2645.1	2674.7	2736.8
30°	2566.7	2559.3	2553.4	2563.7	2568.2	2557.8	2538.6	2528.2	2546.0	2553.4	2578.5
32.5°	2519.3	2511.9	2509.0	2514.9	2517.9	2509.0	2488.3	2476.4	2473.5	2467.6	2473.5
35°	2466.1	2458.7	2454.3	2455.7	2461.6	2454.3	2436.5	2421.7	2414.3	2398.0	2386.2
37.5°	1270.8	1800.4	2337.4	2393.6	2399.5	2398.0	2380.3	2364.0	2356.6	2337.4	2331.5
40°	581.4	649.4	974.9	1273.7	1837.4	2334.4	2318.2	2301.9	2288.6	2282.6	2260.5
42.5°	579.9	581.4	582.9	575.5	713.0	1214.6	1793.0	2238.3	2229.4	2214.6	2198.3
45°	579.9	572.5	578.4	569.6	572.5	571.0	711.6	1148.0	2043.0	2134.7	2127.3
47.5°	574.0	569.6	575.5	568.1	559.2	563.6	557.7	565.1	881.7	1495.6	2048.9
50°	547.4	550.3	560.7	559.2	551.8	557.7	547.4	556.2	548.8	602.1	1159.8
52.5°	507.4	513.3	523.7	532.6	535.5	542.9	540.0	542.9	537.0	538.5	540.0
55°	460.1	467.5	476.4	489.7	495.6	507.4	516.3	520.7	528.1	526.7	514.8
57.5°	415.7	423.1	430.5	443.8	457.1	463.0	479.3	488.2	507.4	503.0	500.0
60°	374.3	380.2	387.6	390.6	406.8	417.2	432.0	440.8	466.0	471.9	480.8
62.5°	337.3	340.3	346.2	350.6	361.0	371.3	378.7	393.5	406.8	426.1	439.4
65°	303.3	306.2	310.7	313.6	315.1	329.9	334.3	350.6	355.0	375.8	387.6
67.5°	264.8	270.7	276.6	279.6	282.6	291.4	294.4	301.8	312.1	321.0	335.8
70°	224.9	229.3	235.2	239.7	245.6	251.5	260.4	264.8	272.2	278.1	290.0
72.5°	187.9	192.3	195.3	199.7	204.2	208.6	216.0	226.3	232.3	242.6	245.6
75°	152.4	156.8	159.8	162.7	167.2	170.1	173.1	183.4	189.4	198.2	207.1
77.5°	125.7	125.7	128.7	137.6	136.1	136.1	139.1	145.0	149.4	155.3	164.2
80°	97.6	99.1	100.6	108.0	109.5	111.0	109.5	113.9	118.3	119.8	125.7
82.5°	72.5	74.0	74.0	78.4	82.8	82.8	82.8	84.3	88.8	90.2	93.2
85°	48.8	50.3	51.8	53.3	56.2	57.7	59.2	59.2	62.1	63.6	65.1
87.5°	26.6	29.6	31.1	32.5	34.0	35.5	37.0	38.5	39.9	41.4	42.9
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0	3228.0
2.5°	3244.2	3236.8	3232.4	3220.6	3217.6	3198.4	3201.3	3198.4	3198.4	3202.8	3217.6
5°	3383.3	3347.8	3338.9	3313.8	3293.0	3257.5	3235.4	3223.5	3205.8	3198.4	3208.7
7.5°	3478.0	3451.3	3429.1	3407.0	3377.4	3335.9	3304.9	3269.4	3239.8	3211.7	3204.3
10°	3461.7	3491.3	3491.3	3478.0	3449.9	3408.4	3371.5	3327.1	3275.3	3230.9	3204.3
12.5°	3324.1	3375.9	3417.3	3448.4	3476.5	3448.4	3411.4	3375.9	3318.2	3253.1	3204.3
15°	3173.2	3226.5	3278.3	3343.3	3411.4	3439.5	3438.0	3396.6	3344.8	3276.8	3208.7
17.5°	3066.7	3103.7	3131.8	3202.8	3285.7	3358.1	3407.0	3409.9	3359.6	3299.0	3210.2
20°	2986.8	3013.4	3037.1	3077.1	3149.5	3238.3	3328.6	3378.8	3370.0	3303.4	3214.6
22.5°	2914.3	2933.6	2952.8	2982.4	3040.1	3097.8	3202.8	3306.4	3350.7	3296.0	3210.2
25°	2841.8	2862.6	2877.3	2898.1	2943.9	2991.3	3065.2	3193.9	3293.0	3290.1	3201.3
27.5°	2756.0	2784.1	2801.9	2830.0	2861.1	2896.6	2946.9	3068.2	3210.2	3260.5	3177.7
30°	2652.5	2693.9	2720.5	2751.6	2778.2	2809.3	2849.2	2923.2	3099.3	3202.8	3152.5
32.5°	2503.1	2577.0	2636.2	2665.8	2695.4	2722.0	2757.5	2819.7	2963.2	3124.4	3124.4
35°	2396.6	2430.6	2483.8	2569.6	2606.6	2633.3	2665.8	2714.6	2806.3	3031.2	3078.5
37.5°	2313.7	2327.0	2353.7	2438.0	2507.5	2550.4	2583.0	2614.0	2704.3	2904.0	3019.4
40°	2251.6	2247.1	2244.2	2284.1	2383.2	2451.3	2488.3	2519.3	2588.9	2751.6	2941.0
42.5°	2179.1	2174.7	2159.9	2170.2	2219.0	2332.9	2389.2	2423.2	2480.9	2591.8	2855.2
45°	2103.6	2096.2	2090.3	2080.0	2097.7	2161.3	2276.7	2327.0	2359.6	2458.7	2747.2
47.5°	2026.7	2016.4	2009.0	2000.1	1989.7	2019.3	2128.8	2219.0	2275.2	2337.4	2617.0
50°	1917.2	1930.6	1921.7	1911.3	1902.5	1896.5	1942.4	2090.3	2159.9	2210.2	2458.7
52.5°	903.9	1757.5	1831.4	1821.1	1809.3	1798.9	1809.3	1921.7	2047.4	2087.4	2267.9
55°	514.8	782.6	1628.8	1722.0	1711.6	1696.8	1687.9	1726.4	1914.3	1967.5	2093.3
57.5°	495.6	497.1	719.0	1551.8	1609.5	1596.2	1585.9	1594.7	1754.5	1844.8	1940.9
60°	479.3	479.3	479.3	686.4	1483.8	1488.2	1474.9	1460.1	1529.7	1707.2	1787.1
62.5°	443.8	452.7	457.1	457.1	677.5	1374.3	1361.0	1356.6	1359.5	1541.5	1633.2
65°	397.9	418.7	427.5	433.5	433.5	711.6	1244.1	1236.7	1226.4	1295.9	1477.9
67.5°	347.6	368.4	387.6	399.4	400.9	414.2	742.6	1114.0	1099.2	1100.6	1312.2
70°	295.9	313.6	334.3	352.1	368.4	375.8	387.6	924.6	973.4	952.7	1124.3
72.5°	255.9	263.3	278.1	295.9	315.1	332.9	343.2	368.4	844.7	822.5	855.1
75°	213.0	218.9	229.3	241.1	255.9	276.6	294.4	312.1	448.2	689.4	684.9
77.5°	165.7	176.0	187.9	195.3	202.7	217.5	241.1	258.9	276.6	466.0	548.8
80°	127.2	134.6	140.5	147.9	156.8	167.2	176.0	196.8	217.5	233.7	420.1
82.5°	94.7	99.1	103.6	106.5	109.5	115.4	131.7	139.1	152.4	167.2	198.2
85°	66.6	69.5	72.5	74.0	75.4	76.9	82.8	84.3	97.6	100.6	119.8
87.5°	42.9	44.4	47.3	48.8	48.8	50.3	51.8	51.8	51.8	48.8	59.2
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-LD5-72SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3228.0	3228.0
2.5°	3229.4	3253.1
5°	3225.0	3256.1
7.5°	3213.2	3242.7
10°	3195.4	3230.9
12.5°	3176.2	3210.2
15°	3159.9	3185.1
17.5°	3142.2	3156.9
20°	3118.5	3130.3
22.5°	3094.8	3088.9
25°	3068.2	3054.9
27.5°	3034.2	3009.0
30°	3003.1	2958.7
32.5°	2973.5	2901.0
35°	2933.6	2841.8
37.5°	2892.1	2781.2
40°	2843.3	2711.7
42.5°	2791.5	2642.1
45°	2726.5	2575.6
47.5°	2668.8	2495.7
50°	2588.9	2409.9
52.5°	2491.2	2330.0
55°	2375.8	2232.3
57.5°	2251.6	2130.3
60°	2118.4	2013.4
62.5°	1957.2	1892.1
65°	1767.8	1753.0
67.5°	1520.8	1599.2
70°	1247.1	1423.1
72.5°	1042.9	1236.7
75°	855.1	1028.2
77.5°	677.5	806.2
80°	423.1	590.3
82.5°	284.0	387.6
85°	171.6	184.9
87.5°	66.6	68.1
90°	0.0	0.0

(END OF REPORT)