

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-LD5-64SL-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-LD5-64SL-RW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

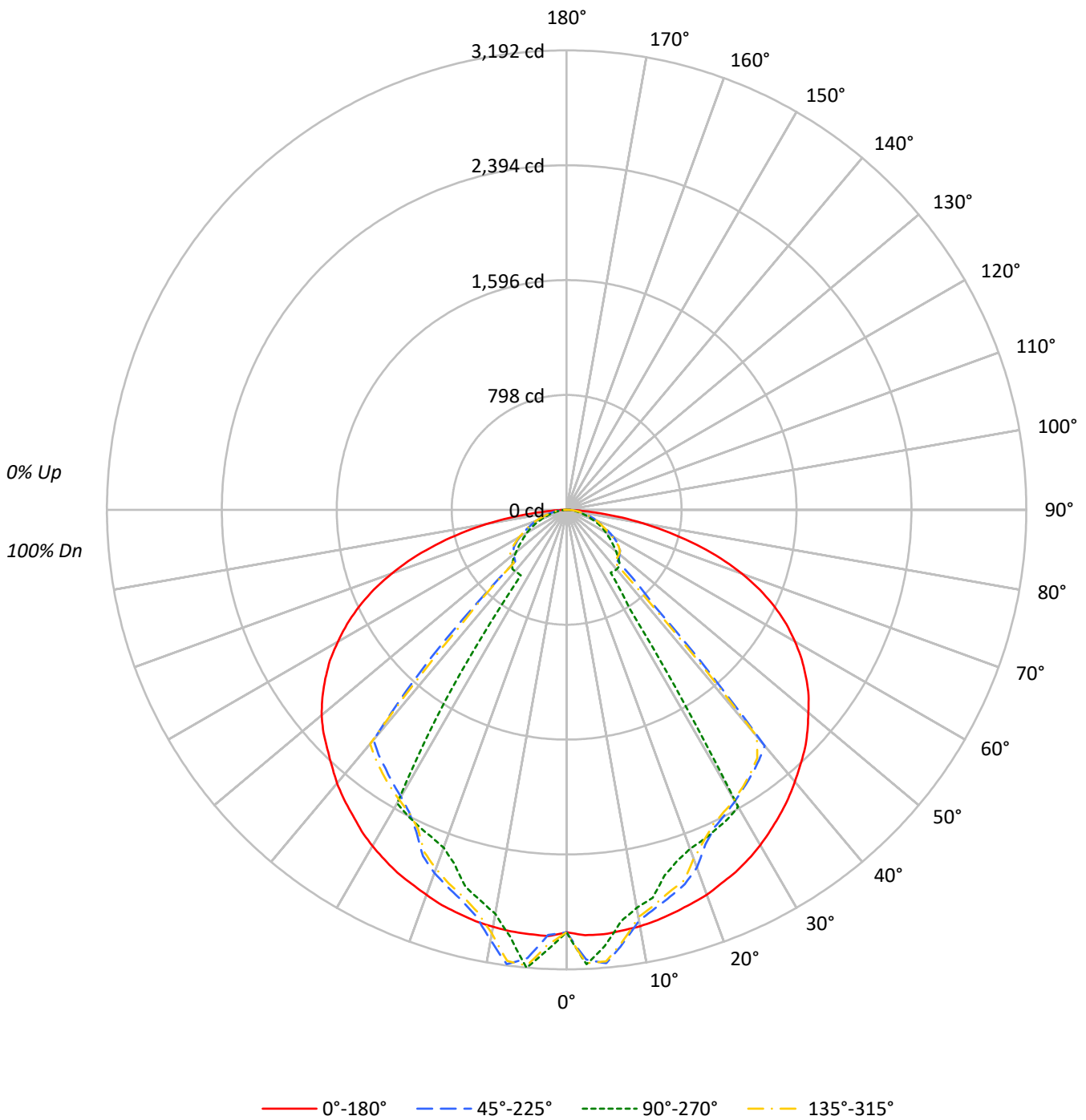
Lumens per Lamp: N/A
Luminaire Lumens: 5876.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
Input Voltage (V): NR
Input Current (A_{in}): 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#
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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87				87
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77	75				75
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67	65				65
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57				57
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51				51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46				46
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41				41
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37				37
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34				34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11856	11856	11856	11856
5°	11989	11945	11983	12537
10°	12017	10800	12033	10966
15°	12061	9993	12089	10309
20°	12166	9477	12166	9442
25°	12291	9296	12309	9209
30°	12436	9132	12467	9024
35°	12604	2080	12631	2169
40°	12833	2163	12910	2233
45°	13173	2151	13218	2229
50°	13519	1945	13701	1997
55°	13983	1727	14094	1751
60°	14401	1534	14432	1554
65°	14742	1339	14704	1318
70°	14654	1079	14608	1040
75°	13786	831	13887	796
80°	11469	590	11929	540
85°	6612	353	6982	271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.7	4.9
10°-20°	793.8	13.5
20°-30°	1175.8	20.0
30°-40°	1184.7	20.2
40°-50°	925.4	15.7
50°-60°	714.8	12.2
60°-70°	479.9	8.2
70°-80°	244.8	4.2
80°-90°	68.1	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°	2258.3	38.4
0°-40°	3442.9	58.6
0°-60°	5083.1	86.5
0°-90°	5876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5876.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2934	2934	2934	2934	2934	
5°	2960	3042	2958	3192	2960	282
15°	2895	2629	2902	2712	2895	819
25°	2777	2450	2781	2427	2777	1281
35°	2583	532	2589	555	2583	1619
45°	2341	518	2349	537	2341	1805
55°	2029	376	2045	382	2029	1812
65°	1594	253	1590	249	1594	1567
75°	935	128	941	122	935	977
85°	168	40	178	31	168	231
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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	2957.2	2967.9	2976.0	2981.4	2984.1	2984.1	2985.4	2986.8	3004.3	3012.3	3017.7
5°	2959.9	2970.6	2986.8	3008.3	3027.1	3043.3	3056.7	3075.5	3094.4	3114.5	3121.2
7.5°	2947.8	2961.2	2993.5	3032.5	3068.8	3094.4	3111.8	3123.9	3133.4	3134.7	3141.4
10°	2937.0	2961.2	3005.6	3056.7	3102.4	3133.4	3133.4	3126.6	3136.0	3099.7	3063.4
12.5°	2918.2	2945.1	3005.6	3072.8	3115.9	3128.0	3122.6	3095.7	3040.6	2996.2	2976.0
15°	2895.3	2931.6	3006.9	3082.2	3118.6	3122.6	3071.5	3002.9	2961.2	2934.3	2900.7
17.5°	2869.8	2918.2	3008.3	3083.6	3097.0	3078.2	2981.4	2938.4	2895.3	2832.1	2786.4
20°	2845.6	2892.6	2997.5	3064.8	3072.8	2988.1	2912.8	2867.1	2794.5	2739.3	2719.2
22.5°	2807.9	2863.0	2988.1	3039.2	3008.3	2910.1	2837.5	2764.9	2699.0	2682.8	2658.6
25°	2777.0	2834.8	2966.6	3008.3	2926.3	2838.8	2754.1	2669.4	2638.5	2615.6	2594.1
27.5°	2735.3	2806.6	2938.4	2951.8	2838.8	2762.2	2638.5	2600.8	2572.6	2547.0	2537.6
30°	2689.6	2777.0	2899.4	2873.8	2766.2	2653.3	2561.8	2526.9	2506.7	2479.8	2469.0
32.5°	2637.1	2732.6	2856.3	2783.7	2688.2	2547.0	2487.9	2461.0	2434.1	2413.9	2346.7
35°	2583.3	2693.6	2805.2	2697.6	2594.1	2466.3	2413.9	2389.7	2364.1	2290.2	2220.2
37.5°	2528.2	2650.6	2743.4	2604.9	2469.0	2383.0	2338.6	2311.7	2253.9	2159.7	2124.8
40°	2465.0	2598.1	2664.0	2509.4	2360.1	2298.2	2256.6	2229.7	2099.2	2057.5	2046.8
42.5°	2401.8	2547.0	2567.2	2416.6	2270.0	2208.1	2173.2	2084.4	1995.7	1974.1	1978.2
45°	2341.3	2491.9	2461.0	2284.8	2175.9	2124.8	2065.6	1943.2	1896.1	1906.9	1909.6
47.5°	2268.7	2426.0	2349.3	2153.0	2079.0	2027.9	1896.1	1822.2	1815.5	1830.3	1838.3
50°	2190.7	2352.0	2231.0	2033.3	1974.1	1913.6	1764.4	1726.7	1734.8	1749.6	1759.0
52.5°	2118.0	2268.7	2108.6	1921.7	1870.6	1732.1	1631.2	1637.9	1651.4	1668.9	1674.3
55°	2029.3	2167.8	1978.2	1808.7	1760.3	1578.8	1533.1	1549.2	1562.6	1577.4	1588.2
57.5°	1936.5	2052.1	1823.5	1682.3	1604.3	1443.0	1447.0	1457.7	1467.2	1484.6	613.2
60°	1830.3	1920.4	1654.1	1565.3	1410.7	1335.4	1339.4	1358.2	1367.6	763.8	422.3
62.5°	1720.0	1767.0	1500.8	1432.2	1233.2	1227.8	1246.6	1254.7	853.9	403.4	395.4
65°	1593.6	1584.2	1350.2	1241.2	1112.1	1117.5	1137.7	1097.3	377.9	377.9	375.2
67.5°	1453.7	1397.2	1203.6	1027.4	995.1	1007.2	1028.8	359.1	349.6	352.3	342.9
70°	1293.7	1214.3	1051.6	870.1	880.8	892.9	347.0	325.4	321.4	314.7	295.9
72.5°	1124.2	1015.3	860.7	755.8	762.5	478.7	303.9	293.2	279.7	266.3	246.1
75°	934.6	793.4	632.0	632.0	641.5	273.0	264.9	247.4	232.6	215.2	203.1
77.5°	732.9	610.5	490.8	509.7	248.8	228.6	213.8	195.0	182.9	172.1	165.4
80°	536.6	426.3	369.8	330.8	193.6	173.5	158.7	147.9	142.5	135.8	127.8
82.5°	352.3	256.9	256.9	156.0	135.8	119.7	115.7	107.6	102.2	98.2	94.1
85°	168.1	149.3	113.0	95.5	84.7	76.7	74.0	69.9	69.9	68.6	67.2
87.5°	61.9	67.2	49.8	48.4	45.7	44.4	45.7	45.7	47.1	45.7	44.4
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	3031.1	3041.9	3050.0	3063.4	3080.9	3095.7	3109.1	3128.0	3157.6	3165.6	3172.4
5°	3121.2	3125.3	3134.7	3145.5	3148.1	3154.9	3153.5	3161.6	3165.6	3175.0	3154.9
7.5°	3126.6	3105.1	3079.6	3056.7	3040.6	3025.8	3016.4	3031.1	3039.2	3045.9	3025.8
10°	3013.7	2988.1	2973.3	2959.9	2943.7	2920.9	2889.9	2896.7	2894.0	2894.0	2887.3
12.5°	2942.4	2906.1	2868.4	2834.8	2820.0	2818.7	2820.0	2834.8	2834.8	2833.5	2825.4
15°	2830.8	2795.8	2777.0	2768.9	2768.9	2764.9	2764.9	2781.0	2777.0	2777.0	2772.9
17.5°	2756.8	2732.6	2719.2	2709.7	2705.7	2712.4	2720.5	2727.2	2728.6	2723.2	2701.7
20°	2696.3	2673.4	2657.3	2660.0	2658.6	2662.7	2666.7	2643.8	2615.6	2578.0	2560.5
22.5°	2633.1	2615.6	2603.5	2603.5	2587.4	2561.8	2524.2	2516.1	2512.1	2494.6	2479.8
25°	2572.6	2552.4	2534.9	2481.1	2447.5	2451.5	2444.8	2431.4	2430.0	2428.7	2434.1
27.5°	2512.1	2459.6	2392.4	2384.3	2370.9	2369.5	2377.6	2384.3	2384.3	2389.7	2396.4
30°	2387.0	2326.5	2314.4	2299.6	2305.0	2323.8	2327.8	2337.2	2339.9	2349.3	2354.7
32.5°	2272.7	2245.8	2235.0	2241.8	2259.2	2275.4	2284.8	2288.8	2295.5	2303.6	2310.3
35°	2179.9	2171.8	2181.2	2196.0	2213.5	2227.0	2235.0	2243.1	2249.8	2256.6	2261.9
37.5°	2111.3	2116.7	2130.1	2149.0	2166.5	2177.2	2183.9	2193.3	2202.8	2210.8	2178.6
40°	2046.8	2060.2	2075.0	2095.2	2110.0	2120.7	2127.5	2139.6	2058.9	931.9	511.0
42.5°	1990.3	2005.1	2015.8	2032.0	2048.1	2056.2	1997.0	891.6	504.3	501.6	508.3
45°	1921.7	1933.8	1951.3	1963.4	1978.2	1299.1	496.2	501.6	493.5	498.9	501.6
47.5°	1851.8	1870.6	1880.0	1793.9	533.9	493.5	488.2	493.5	488.2	494.9	490.8
50°	1772.4	1795.3	1277.5	482.8	478.7	476.1	481.4	478.7	482.8	488.2	477.4
52.5°	1691.7	1047.6	468.0	465.3	468.0	465.3	474.7	468.0	469.3	464.0	450.5
55°	572.9	453.2	449.2	447.8	455.9	455.9	455.9	445.1	438.4	425.0	415.5
57.5°	438.4	438.4	437.1	438.4	435.7	433.0	420.9	411.5	402.1	383.3	377.9
60°	415.5	415.5	415.5	415.5	403.4	398.1	379.2	371.2	355.0	345.6	340.2
62.5°	396.7	394.0	381.9	377.9	364.4	349.6	338.9	330.8	314.7	309.3	305.3
65°	369.8	360.4	345.6	329.5	322.7	306.6	301.2	289.1	281.1	277.0	274.3
67.5°	325.4	312.0	299.9	289.1	277.0	271.6	264.9	255.5	250.1	247.4	244.8
70°	278.4	269.0	256.9	250.1	242.1	238.0	228.6	225.9	221.9	217.9	213.8
72.5°	232.6	227.3	221.9	212.5	209.8	207.1	197.7	192.3	186.9	181.5	178.9
75°	195.0	191.0	188.3	180.2	176.2	168.1	161.4	157.3	153.3	149.3	146.6
77.5°	160.0	157.3	149.3	143.9	141.2	134.5	131.8	133.1	130.4	125.1	122.4
80°	125.1	122.4	115.7	115.7	113.0	110.3	107.6	104.9	102.2	98.2	95.5
82.5°	95.5	92.8	90.1	87.4	84.7	83.4	82.0	79.3	76.7	74.0	72.6
85°	67.2	65.9	64.5	63.2	61.9	60.5	59.2	56.5	53.8	52.4	51.1
87.5°	45.7	44.4	43.0	41.7	40.3	39.0	37.7	36.3	33.6	32.3	30.9
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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	3172.4	3179.1	3172.4	3157.6	3148.1	3144.1	3152.2	3152.2	3157.6	3164.3	3165.6
5°	3122.6	3106.5	3087.6	3068.8	3059.4	3054.0	3039.2	3041.9	3045.9	3048.6	3051.3
7.5°	2998.9	2977.4	2951.8	2927.6	2918.2	2910.1	2892.6	2892.6	2892.6	2894.0	2902.0
10°	2872.5	2863.0	2852.3	2836.2	2824.1	2820.0	2805.2	2809.3	2806.6	2810.6	2820.0
12.5°	2813.3	2802.5	2793.1	2777.0	2763.5	2758.2	2751.4	2755.5	2754.1	2760.8	2768.9
15°	2759.5	2754.1	2743.4	2731.3	2719.2	2708.4	2684.2	2676.1	2670.7	2664.0	2673.4
17.5°	2670.7	2633.1	2607.5	2588.7	2575.3	2565.9	2559.1	2559.1	2563.2	2567.2	2575.3
20°	2549.7	2539.0	2526.9	2506.7	2493.2	2487.9	2483.8	2483.8	2490.5	2495.9	2510.7
22.5°	2466.3	2465.0	2461.0	2451.5	2444.8	2444.8	2446.2	2448.9	2458.3	2466.3	2481.1
25°	2427.3	2432.7	2430.0	2424.6	2420.6	2422.0	2419.3	2422.0	2431.4	2439.4	2451.5
27.5°	2396.4	2404.5	2401.8	2393.7	2387.0	2389.7	2393.7	2391.0	2399.1	2408.5	2417.9
30°	2354.7	2356.1	2361.4	2352.0	2349.3	2353.4	2354.7	2357.4	2365.5	2372.2	2380.3
32.5°	2307.7	2318.4	2317.1	2307.7	2307.7	2311.7	2313.0	2222.9	2054.8	1769.7	1691.7
35°	2261.9	2274.0	2253.9	1900.2	1315.2	702.0	541.9	523.1	527.2	529.8	532.5
37.5°	1672.9	793.4	505.6	509.7	513.7	517.7	521.8	525.8	529.8	533.9	535.2
40°	502.9	501.6	505.6	511.0	515.1	517.7	523.1	527.2	531.2	535.2	536.6
42.5°	497.6	500.3	504.3	509.7	515.1	520.4	524.5	529.8	532.5	535.2	536.6
45°	494.9	500.3	505.6	509.7	513.7	516.4	519.1	520.4	519.1	519.1	521.8
47.5°	490.8	496.2	497.6	496.2	497.6	496.2	496.2	496.2	492.2	490.8	490.8
50°	476.1	476.1	473.4	468.0	466.6	465.3	462.6	461.3	455.9	454.5	454.5
52.5°	445.1	443.8	439.7	433.0	430.3	427.6	426.3	425.0	419.6	416.9	418.2
55°	408.8	406.1	402.1	394.0	392.7	390.0	388.6	387.3	381.9	384.6	380.6
57.5°	375.2	369.8	364.4	363.1	357.7	356.4	355.0	353.7	349.6	351.0	348.3
60°	334.9	333.5	330.8	325.4	325.4	324.1	324.1	321.4	318.7	317.4	317.4
62.5°	305.3	301.2	298.5	298.5	294.5	294.5	294.5	291.8	289.1	290.5	289.1
65°	273.0	271.6	270.3	267.6	267.6	266.3	266.3	263.6	259.5	260.9	258.2
67.5°	246.1	243.4	240.7	239.4	234.0	231.3	230.0	228.6	223.2	224.6	221.9
70°	212.5	208.4	205.8	203.1	199.0	196.3	196.3	193.6	189.6	191.0	188.3
72.5°	177.5	174.8	172.1	170.8	166.8	165.4	164.1	162.7	158.7	160.0	158.7
75°	147.9	147.9	146.6	145.2	141.2	137.2	134.5	133.1	130.4	131.8	129.1
77.5°	122.4	119.7	117.0	117.0	113.0	110.3	107.6	107.6	107.6	106.2	104.9
80°	95.5	92.8	92.8	91.4	88.8	86.1	84.7	84.7	83.4	83.4	82.0
82.5°	72.6	69.9	68.6	68.6	65.9	64.5	63.2	61.9	61.9	61.9	60.5
85°	51.1	48.4	47.1	47.1	44.4	43.0	43.0	41.7	41.7	40.3	40.3
87.5°	30.9	29.6	28.2	28.2	25.6	24.2	24.2	24.2	22.9	22.9	21.5
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	3165.6	3165.6	3156.2	3158.9	3154.9	3160.2	3153.5	3153.5	3161.6	3161.6	3167.0
5°	3052.7	3045.9	3044.6	3041.9	3028.5	3033.8	3027.1	3020.4	3029.8	3029.8	3041.9
7.5°	2898.0	2885.9	2891.3	2883.2	2875.2	2863.0	2867.1	2861.7	2868.4	2877.8	2889.9
10°	2818.7	2807.9	2814.6	2806.6	2810.6	2793.1	2794.5	2795.8	2802.5	2805.2	2816.0
12.5°	2767.6	2764.9	2762.2	2759.5	2762.2	2752.8	2747.4	2748.7	2751.4	2752.8	2760.8
15°	2660.0	2642.5	2647.9	2629.1	2630.4	2631.7	2621.0	2631.7	2630.4	2647.9	2664.0
17.5°	2572.6	2572.6	2563.2	2555.1	2549.7	2548.4	2540.3	2545.7	2540.3	2551.1	2555.1
20°	2512.1	2510.7	2509.4	2505.3	2491.9	2493.2	2497.3	2485.2	2483.8	2482.5	2490.5
22.5°	2483.8	2485.2	2479.8	2479.8	2467.7	2470.4	2471.7	2458.3	2459.6	2455.6	2459.6
25°	2454.2	2456.9	2450.2	2450.2	2447.5	2446.2	2439.4	2442.1	2434.1	2427.3	2434.1
27.5°	2419.3	2424.6	2419.3	2422.0	2416.6	2413.9	2409.9	2407.2	2399.1	2397.8	2401.8
30°	2387.0	2389.7	2388.3	2381.6	2380.3	2372.2	2376.2	2368.2	2360.1	2361.4	2364.1
32.5°	1223.8	1168.6	901.0	813.6	805.5	835.1	989.8	1204.9	1561.3	1906.9	2155.7
35°	533.9	533.9	533.9	532.5	532.5	531.2	529.8	528.5	527.2	525.8	524.5
37.5°	536.6	536.6	536.6	536.6	535.2	533.9	533.9	531.2	529.8	528.5	527.2
40°	537.9	539.3	539.3	539.3	537.9	537.9	536.6	533.9	532.5	529.8	527.2
42.5°	536.6	537.9	537.9	536.6	536.6	535.2	535.2	533.9	532.5	531.2	529.8
45°	519.1	520.4	517.7	517.7	516.4	516.4	516.4	516.4	516.4	517.7	517.7
47.5°	488.2	488.2	486.8	485.5	485.5	484.1	485.5	484.1	486.8	488.2	490.8
50°	451.8	451.8	449.2	447.8	447.8	447.8	447.8	449.2	450.5	453.2	455.9
52.5°	414.2	414.2	412.8	411.5	410.2	410.2	414.2	412.8	414.2	415.5	419.6
55°	377.9	379.2	376.5	376.5	375.2	375.2	375.2	376.5	377.9	379.2	383.3
57.5°	347.0	347.0	344.3	344.3	344.3	342.9	347.0	344.3	345.6	347.0	349.6
60°	316.0	314.7	314.7	313.3	313.3	313.3	316.0	314.7	314.7	316.0	318.7
62.5°	287.8	287.8	286.4	286.4	285.1	285.1	287.8	286.4	286.4	287.8	289.1
65°	255.5	255.5	254.2	252.8	256.9	252.8	256.9	254.2	256.9	258.2	260.9
67.5°	219.2	219.2	219.2	217.9	217.9	220.5	221.9	219.2	220.5	223.2	224.6
70°	186.9	186.9	185.6	185.6	185.6	188.3	189.6	186.9	188.3	189.6	192.3
72.5°	158.7	156.0	156.0	154.7	157.3	157.3	158.7	157.3	158.7	158.7	161.4
75°	130.4	127.8	127.8	127.8	130.4	129.1	130.4	129.1	130.4	130.4	131.8
77.5°	104.9	103.5	102.2	102.2	104.9	104.9	104.9	103.5	104.9	106.2	107.6
80°	82.0	80.7	79.3	79.3	82.0	82.0	82.0	83.4	82.0	83.4	84.7
82.5°	60.5	59.2	57.8	60.5	60.5	60.5	60.5	61.9	60.5	61.9	63.2
85°	40.3	39.0	37.7	40.3	40.3	40.3	40.3	41.7	40.3	41.7	43.0
87.5°	21.5	20.2	20.2	21.5	21.5	21.5	22.9	22.9	22.9	24.2	24.2
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	3175.0	3179.1	3177.7	3169.7	3161.6	3152.2	3145.5	3146.8	3160.2	3164.3	3152.2
5°	3041.9	3067.5	3067.5	3084.9	3075.5	3067.5	3072.8	3102.4	3117.2	3140.1	3148.1
7.5°	2904.7	2916.8	2915.5	2933.0	2930.3	2930.3	2934.3	2973.3	2992.1	3011.0	3016.4
10°	2828.1	2840.2	2838.8	2840.2	2836.2	2826.7	2826.7	2844.2	2860.4	2869.8	2872.5
12.5°	2772.9	2779.7	2778.3	2778.3	2775.6	2767.6	2766.2	2781.0	2798.5	2810.6	2811.9
15°	2690.9	2709.7	2713.8	2731.3	2727.2	2716.5	2719.2	2731.3	2742.0	2752.8	2748.7
17.5°	2568.5	2578.0	2579.3	2586.0	2583.3	2583.3	2599.5	2643.8	2673.4	2699.0	2701.7
20°	2498.6	2505.3	2502.6	2517.4	2510.7	2509.4	2513.4	2532.2	2545.7	2557.8	2579.3
22.5°	2465.0	2470.4	2466.3	2467.7	2455.6	2444.8	2442.1	2456.9	2471.7	2487.9	2487.9
25°	2436.8	2440.8	2439.4	2436.8	2427.3	2412.5	2409.9	2412.5	2417.9	2419.3	2409.9
27.5°	2403.1	2405.8	2405.8	2407.2	2395.1	2381.6	2378.9	2376.2	2381.6	2380.3	2365.5
30°	2368.2	2364.1	2365.5	2366.8	2356.1	2344.0	2338.6	2337.2	2342.6	2341.3	2326.5
32.5°	2284.8	2315.7	2318.4	2321.1	2311.7	2300.9	2295.5	2291.5	2294.2	2292.9	2279.4
35°	523.1	532.5	652.2	1476.6	2005.1	2220.2	2243.1	2237.7	2239.1	2239.1	2228.3
37.5°	524.5	523.1	521.8	517.7	513.7	511.0	883.5	1884.0	2182.6	2183.9	2174.5
40°	524.5	523.1	521.8	519.1	513.7	509.7	502.9	497.6	509.7	1121.6	2052.1
42.5°	527.2	524.5	521.8	519.1	513.7	508.3	502.9	496.2	500.3	497.6	490.8
45°	519.1	517.7	517.7	516.4	513.7	508.3	501.6	493.5	489.5	493.5	486.8
47.5°	493.5	494.9	498.9	500.3	500.3	501.6	497.6	492.2	485.5	489.5	481.4
50°	458.6	461.3	462.6	469.3	472.0	477.4	478.7	478.7	477.4	482.8	477.4
52.5°	420.9	423.6	430.3	433.0	435.7	443.8	446.5	450.5	453.2	461.3	466.6
55°	384.6	386.0	388.6	394.0	398.1	404.8	408.8	412.8	419.6	423.6	439.7
57.5°	351.0	352.3	357.7	359.1	361.7	367.1	371.2	376.5	381.9	384.6	403.4
60°	318.7	320.1	324.1	325.4	326.8	332.2	336.2	340.2	344.3	347.0	360.4
62.5°	290.5	290.5	294.5	294.5	295.9	299.9	302.6	305.3	309.3	310.6	317.4
65°	262.2	263.6	266.3	266.3	267.6	270.3	271.6	273.0	277.0	277.0	282.4
67.5°	227.3	228.6	232.6	235.3	236.7	242.1	243.4	244.8	247.4	248.8	251.5
70°	193.6	195.0	199.0	200.4	201.7	205.8	208.4	212.5	216.5	220.5	223.2
72.5°	162.7	164.1	168.1	168.1	172.1	173.5	176.2	177.5	181.5	184.2	188.3
75°	133.1	134.5	138.5	138.5	142.5	143.9	145.2	146.6	149.3	152.0	154.7
77.5°	108.9	108.9	114.3	117.0	119.7	119.7	121.0	121.0	121.0	122.4	125.1
80°	86.1	86.1	90.1	92.8	95.5	95.5	96.8	98.2	99.5	99.5	100.9
82.5°	64.5	64.5	68.6	69.9	72.6	72.6	72.6	74.0	75.3	74.0	76.7
85°	44.4	44.4	47.1	48.4	51.1	51.1	51.1	52.4	53.8	52.4	53.8
87.5°	25.6	26.9	28.2	29.6	30.9	32.3	32.3	32.3	33.6	33.6	35.0
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	3138.7	3122.6	3121.2	3102.4	3097.0	3098.4	3083.6	3078.2	3054.0	3048.6	3023.1
5°	3150.8	3158.9	3154.9	3153.5	3157.6	3154.9	3144.1	3138.7	3134.7	3123.9	3102.4
7.5°	3017.7	3023.1	3027.1	3044.6	3059.4	3084.9	3111.8	3129.3	3142.8	3145.5	3128.0
10°	2881.9	2907.4	2924.9	2951.8	2973.3	2988.1	3004.3	3019.0	3058.0	3097.0	3119.9
12.5°	2811.9	2818.7	2817.3	2832.1	2846.9	2885.9	2923.6	2945.1	2974.7	2992.1	3033.8
15°	2752.8	2754.1	2758.2	2768.9	2777.0	2790.4	2807.9	2840.2	2899.4	2926.3	2949.1
17.5°	2699.0	2699.0	2701.7	2711.1	2721.8	2734.0	2744.7	2758.2	2787.7	2832.1	2888.6
20°	2612.9	2650.6	2654.6	2653.3	2658.6	2681.5	2684.2	2708.4	2723.2	2740.7	2795.8
22.5°	2485.2	2508.0	2540.3	2590.1	2608.9	2619.6	2627.7	2638.5	2661.3	2681.5	2704.4
25°	2415.2	2430.0	2439.4	2454.2	2493.2	2556.4	2568.5	2580.6	2595.4	2610.2	2638.5
27.5°	2353.4	2352.0	2358.8	2372.2	2383.0	2416.6	2475.8	2522.8	2525.5	2547.0	2571.2
30°	2309.0	2300.9	2291.5	2288.8	2303.6	2321.1	2338.6	2412.5	2463.6	2474.4	2500.0
32.5°	2267.3	2253.9	2240.4	2229.7	2220.2	2235.0	2245.8	2278.1	2344.0	2405.8	2419.3
35°	2216.2	2202.8	2186.6	2174.5	2159.7	2158.4	2157.0	2188.0	2209.5	2283.4	2348.0
37.5°	2163.8	2149.0	2135.5	2122.1	2107.3	2096.5	2089.8	2097.9	2118.0	2150.3	2257.9
40°	2108.6	2091.1	2077.7	2066.9	2046.8	2038.7	2025.2	2019.9	2021.2	2049.5	2105.9
42.5°	1260.1	2009.1	2015.8	2003.7	1986.2	1975.5	1960.7	1954.0	1940.5	1954.0	1986.2
45°	485.5	490.8	1469.9	1941.9	1920.4	1906.9	1893.5	1886.7	1871.9	1861.2	1890.8
47.5°	476.1	481.4	470.7	667.0	1832.9	1837.0	1820.8	1814.1	1799.3	1791.3	1783.2
50°	469.3	473.4	465.3	468.0	458.6	1679.6	1746.9	1738.8	1722.7	1713.3	1697.1
52.5°	462.6	462.6	457.2	450.5	447.8	449.2	1413.4	1662.2	1643.3	1633.9	1612.4
55°	441.1	443.8	449.2	438.4	435.7	434.4	430.3	1346.1	1555.9	1545.2	1526.3
57.5°	408.8	414.2	429.0	426.3	426.3	415.5	412.8	412.8	1249.3	1455.1	1436.2
60°	371.2	376.5	392.7	398.1	402.1	399.4	396.7	395.4	390.0	1316.5	1340.8
62.5°	332.2	337.5	342.9	360.4	365.8	372.5	380.6	376.5	371.2	371.2	1239.9
65°	290.5	298.5	301.2	317.4	324.1	336.2	342.9	352.3	349.6	348.3	355.0
67.5°	254.2	263.6	264.9	271.6	283.7	289.1	297.2	314.7	322.7	325.4	328.1
70°	223.2	228.6	232.6	235.3	243.4	244.8	259.5	271.6	283.7	297.2	301.2
72.5°	192.3	196.3	204.4	201.7	204.4	209.8	217.9	225.9	238.0	256.9	269.0
75°	157.3	160.0	165.4	168.1	173.5	177.5	182.9	189.6	200.4	209.8	225.9
77.5°	126.4	127.8	131.8	133.1	138.5	142.5	152.0	156.0	162.7	169.4	178.9
80°	102.2	102.2	103.5	103.5	107.6	111.6	118.3	122.4	130.4	135.8	135.8
82.5°	78.0	78.0	82.0	82.0	84.7	84.7	88.8	88.8	92.8	95.5	98.2
85°	55.1	56.5	59.2	57.8	60.5	59.2	61.9	64.5	65.9	64.5	63.2
87.5°	36.3	36.3	39.0	37.7	39.0	39.0	41.7	41.7	43.0	43.0	41.7
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	3013.7	2993.5	2981.4	2966.6	2962.6	2958.5	2963.9	2963.9	2955.8	2949.1	2937.0
5°	3083.6	3062.1	3039.2	3015.0	2992.1	2967.9	2958.5	2957.2	2942.4	2934.3	2930.3
7.5°	3119.9	3109.1	3083.6	3050.0	3015.0	2972.0	2953.2	2942.4	2927.6	2924.9	2924.9
10°	3123.9	3111.8	3098.4	3074.2	3033.8	2977.4	2941.0	2919.5	2906.1	2915.5	2933.0
12.5°	3084.9	3107.8	3095.7	3079.6	3047.3	2978.7	2926.3	2894.0	2889.9	2914.2	2959.9
15°	2985.4	3052.7	3086.3	3070.1	3044.6	2976.0	2902.0	2864.4	2864.4	2914.2	2973.3
17.5°	2910.1	2962.6	3044.6	3058.0	3028.5	2970.6	2879.2	2834.8	2846.9	2919.5	2982.7
20°	2848.3	2880.5	2959.9	3035.2	3006.9	2958.5	2845.6	2799.8	2824.1	2911.5	2996.2
22.5°	2751.4	2816.0	2864.4	2976.0	2985.4	2935.7	2811.9	2756.8	2805.2	2911.5	2989.5
25°	2657.3	2735.3	2786.4	2895.3	2953.2	2907.4	2781.0	2711.1	2785.1	2907.4	2984.1
27.5°	2591.4	2627.7	2720.5	2798.5	2904.7	2869.8	2739.3	2661.3	2759.5	2885.9	2953.2
30°	2521.5	2545.7	2637.1	2711.1	2840.2	2826.7	2696.3	2606.2	2727.2	2865.7	2872.5
32.5°	2444.8	2471.7	2518.8	2626.4	2750.1	2786.4	2647.9	2551.1	2692.3	2834.8	2778.3
35°	2366.8	2387.0	2424.6	2540.3	2645.2	2725.9	2588.7	2487.9	2668.1	2787.7	2688.2
37.5°	2288.8	2310.3	2342.6	2439.4	2534.9	2669.4	2537.6	2424.6	2623.7	2704.4	2594.1
40°	2214.9	2227.0	2260.6	2321.1	2443.5	2611.6	2479.8	2358.8	2578.0	2598.1	2466.3
42.5°	2079.0	2139.6	2170.5	2218.9	2339.9	2532.2	2412.5	2288.8	2526.9	2491.9	2338.6
45°	1932.5	2064.2	2077.7	2126.1	2248.5	2447.5	2349.3	2220.2	2478.4	2400.4	2217.6
47.5°	1812.8	1908.3	1986.2	2026.6	2139.6	2348.0	2290.2	2162.4	2405.8	2284.8	2099.2
50°	1706.5	1757.6	1898.8	1928.4	2009.1	2228.3	2220.2	2095.2	2305.0	2139.6	1983.6
52.5°	1603.0	1639.3	1767.0	1830.3	1896.1	2099.2	2136.9	2029.3	2194.7	1994.3	1866.6
55°	1512.9	1525.0	1594.9	1728.1	1787.2	1968.8	2045.4	1952.6	2054.8	1855.8	1753.6
57.5°	1420.1	1409.3	1460.4	1631.2	1674.3	1835.6	1948.6	1874.6	1941.9	1714.6	1636.6
60°	1323.3	1308.5	1330.0	1443.0	1554.6	1703.8	1834.3	1788.6	1804.7	1574.7	1506.2
62.5°	1222.4	1207.6	1200.9	1272.2	1437.6	1568.0	1718.6	1693.1	1636.6	1447.0	1344.8
65°	1117.5	1102.7	1092.0	1120.2	1308.5	1391.9	1589.5	1582.8	1452.4	1312.5	1132.3
67.5°	340.2	1003.2	980.3	979.0	1102.7	1231.8	1449.7	1438.9	1266.8	1168.6	975.0
70°	306.6	813.6	864.7	852.6	906.4	1069.1	1289.6	1281.6	1086.6	937.3	862.0
72.5°	281.1	287.8	763.8	750.4	762.5	909.1	1122.9	1101.4	921.2	739.6	745.0
75°	240.7	252.8	263.6	633.4	617.3	753.1	941.4	907.7	759.8	610.5	622.6
77.5°	196.3	211.1	219.2	461.3	498.9	536.6	751.7	707.4	523.1	488.2	232.6
80°	146.6	158.7	172.1	184.2	379.2	375.2	558.1	513.7	364.4	303.9	181.5
82.5°	107.6	111.6	119.7	133.1	150.6	251.5	359.1	316.0	252.8	138.5	125.1
85°	67.2	72.6	76.7	80.7	91.4	150.6	177.5	141.2	106.2	84.7	79.3
87.5°	43.0	43.0	41.7	43.0	44.4	53.8	60.5	57.8	45.7	43.0	43.0
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	2923.6	2904.7	2904.7	2899.4	2903.4	2903.4	2902.0	2903.4	2912.8	2918.2	2927.6
5°	2922.2	2916.8	2928.9	2943.7	2961.2	2982.7	2988.1	3006.9	3024.4	3047.3	3071.5
7.5°	2939.7	2958.5	2981.4	3005.6	3040.6	3066.1	3089.0	3111.8	3128.0	3149.5	3162.9
10°	2965.3	3002.9	3041.9	3072.8	3110.5	3132.0	3146.8	3149.5	3126.6	3090.3	3060.7
12.5°	3001.6	3045.9	3082.2	3111.8	3129.3	3121.2	3078.2	3033.8	3008.3	2970.6	2918.2
15°	3032.5	3072.8	3110.5	3098.4	3051.3	3006.9	2973.3	2920.9	2869.8	2834.8	2811.9
17.5°	3045.9	3084.9	3071.5	3008.3	2963.9	2912.8	2844.2	2803.9	2770.3	2743.4	2729.9
20°	3054.0	3047.3	2974.7	2928.9	2842.9	2795.8	2751.4	2713.8	2688.2	2674.8	2672.1
22.5°	3032.5	2950.5	2888.6	2806.6	2743.4	2704.4	2669.4	2638.5	2621.0	2610.2	2603.5
25°	2961.2	2865.7	2774.3	2709.7	2656.0	2622.3	2595.4	2569.9	2548.4	2543.0	2529.5
27.5°	2861.7	2783.7	2662.7	2612.9	2565.9	2549.7	2520.1	2494.6	2475.8	2459.6	2416.6
30°	2779.7	2656.0	2568.5	2522.8	2494.6	2475.8	2442.1	2415.2	2383.0	2323.8	2299.6
32.5°	2678.8	2556.4	2473.1	2447.5	2412.5	2396.4	2358.8	2299.6	2249.8	2225.6	2224.3
35°	2548.4	2447.5	2387.0	2364.1	2335.9	2309.0	2231.0	2177.2	2153.0	2155.7	2175.9
37.5°	2439.4	2349.3	2310.3	2278.1	2245.8	2177.2	2111.3	2085.8	2092.5	2105.9	2115.3
40°	2329.2	2260.6	2216.2	2190.7	2118.0	2050.8	2015.8	2025.2	2037.4	2046.8	2058.9
42.5°	2221.6	2173.2	2128.8	2079.0	1979.5	1943.2	1951.3	1963.4	1974.1	1987.6	1999.7
45°	2119.4	2076.3	2025.2	1912.3	1862.5	1871.9	1884.0	1893.5	1909.6	1919.0	1931.1
47.5°	2022.6	1976.8	1886.7	1787.2	1781.8	1800.7	1811.4	1823.5	1835.6	1811.4	999.2
50°	1913.6	1866.6	1729.4	1691.7	1703.8	1721.3	1734.8	1746.9	1555.9	618.6	476.1
52.5°	1806.0	1686.4	1599.0	1609.7	1621.8	1642.0	1651.4	1226.4	488.2	465.3	466.6
55°	1686.4	1533.1	1507.5	1521.0	1531.7	1551.9	1028.8	450.5	447.8	446.5	457.2
57.5°	1498.1	1405.3	1416.1	1429.5	1440.3	1016.7	438.4	435.7	437.1	438.4	439.7
60°	1330.0	1309.8	1321.9	1334.0	944.0	423.6	415.5	416.9	422.3	418.2	407.5
62.5°	1196.9	1213.0	1225.1	1073.1	402.1	398.1	402.1	398.1	388.6	381.9	368.5
65°	1094.7	1110.8	1120.2	377.9	376.5	381.9	377.9	364.4	349.6	330.8	326.8
67.5°	987.1	1003.2	359.1	349.6	355.0	348.3	332.2	316.0	305.3	289.1	282.4
70°	875.5	375.2	325.4	324.1	314.7	303.9	286.4	270.3	256.9	250.1	243.4
72.5°	632.0	297.2	293.2	282.4	266.3	251.5	236.7	227.3	220.5	216.5	212.5
75°	263.6	258.2	246.1	227.3	211.1	204.4	193.6	186.9	184.2	176.2	173.5
77.5°	220.5	209.8	192.3	178.9	169.4	165.4	157.3	149.3	145.2	143.9	138.5
80°	169.4	154.7	146.6	139.9	137.2	127.8	118.3	114.3	111.6	110.3	106.2
82.5°	115.7	110.3	104.9	95.5	95.5	91.4	87.4	84.7	82.0	82.0	79.3
85°	75.3	71.3	69.9	65.9	65.9	63.2	61.9	60.5	59.2	57.8	56.5
87.5°	43.0	43.0	44.4	43.0	43.0	41.7	40.3	39.0	37.7	37.7	35.0
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	2939.7	2953.2	2955.8	3001.6	3027.1	3025.8	3017.7	3041.9	3027.1	3019.0	3027.1
5°	3095.7	3111.8	3125.3	3175.0	3192.5	3200.6	3199.2	3212.7	3201.9	3192.5	3192.5
7.5°	3172.4	3177.7	3183.1	3171.0	3162.9	3149.5	3129.3	3099.7	3084.9	3068.8	3048.6
10°	3045.9	3028.5	3035.2	3011.0	2990.8	2976.0	2957.2	2933.0	2912.8	2898.0	2875.2
12.5°	2891.3	2889.9	2892.6	2896.7	2876.5	2864.4	2849.6	2832.1	2817.3	2801.2	2782.4
15°	2797.2	2798.5	2809.3	2805.2	2798.5	2791.8	2775.6	2770.3	2756.8	2739.3	2728.6
17.5°	2729.9	2736.6	2747.4	2742.0	2731.3	2724.5	2712.4	2700.3	2688.2	2674.8	2658.6
20°	2670.7	2677.5	2684.2	2677.5	2657.3	2647.9	2631.7	2594.1	2567.2	2540.3	2516.1
22.5°	2606.2	2610.2	2604.9	2583.3	2532.2	2508.0	2489.2	2478.4	2455.6	2440.8	2426.0
25°	2525.5	2502.6	2467.7	2443.5	2423.3	2412.5	2404.5	2403.1	2400.4	2397.8	2391.0
27.5°	2393.7	2385.7	2366.8	2357.4	2358.8	2362.8	2364.1	2368.2	2364.1	2358.8	2353.4
30°	2295.5	2299.6	2300.9	2303.6	2310.3	2314.4	2315.7	2321.1	2318.4	2314.4	2311.7
32.5°	2233.7	2243.1	2248.5	2256.6	2260.6	2267.3	2267.3	2275.4	2267.3	2266.0	2263.3
35°	2182.6	2190.7	2193.3	2205.4	2209.5	2216.2	2216.2	2222.9	2216.2	2147.6	1695.8
37.5°	2131.5	2139.6	2144.9	2155.7	2157.0	2161.1	1994.3	1459.1	941.4	728.9	556.7
40°	2071.0	2080.4	2085.8	2089.8	1468.5	931.9	641.5	521.8	521.8	525.8	529.8
42.5°	2006.4	2013.1	1402.6	816.3	508.3	507.0	511.0	515.1	519.1	524.5	529.8
45°	1577.4	796.1	505.6	493.5	497.6	502.9	508.3	513.7	520.4	525.8	528.5
47.5°	517.7	485.5	492.2	486.8	493.5	500.3	505.6	511.0	512.4	513.7	512.4
50°	478.7	478.7	482.8	482.8	488.2	490.8	490.8	490.8	485.5	484.1	480.1
52.5°	462.6	473.4	468.0	470.7	468.0	464.0	459.9	455.9	447.8	445.1	439.7
55°	454.5	458.6	445.1	441.1	435.7	425.0	419.6	414.2	407.5	404.8	398.1
57.5°	435.7	426.3	411.5	404.8	395.4	384.6	379.2	375.2	368.5	365.8	361.7
60°	400.7	381.9	372.5	364.4	353.7	344.3	340.2	337.5	332.2	330.8	326.8
62.5°	357.7	341.6	333.5	322.7	314.7	309.3	305.3	303.9	298.5	298.5	295.9
65°	310.6	302.6	295.9	285.1	281.1	275.7	274.3	273.0	270.3	269.0	266.3
67.5°	273.0	267.6	258.2	252.8	250.1	246.1	243.4	240.7	235.3	232.6	228.6
70°	239.4	235.3	225.9	221.9	216.5	209.8	205.8	203.1	199.0	196.3	192.3
72.5°	207.1	195.0	188.3	184.2	180.2	173.5	172.1	169.4	165.4	164.1	160.0
75°	166.8	157.3	153.3	150.6	146.6	142.5	142.5	142.5	138.5	137.2	135.8
77.5°	133.1	127.8	125.1	122.4	121.0	118.3	114.3	113.0	108.9	108.9	107.6
80°	102.2	99.5	96.8	95.5	94.1	91.4	88.8	87.4	83.4	83.4	82.0
82.5°	75.3	74.0	72.6	71.3	69.9	68.6	64.5	63.2	60.5	60.5	59.2
85°	53.8	52.4	49.8	48.4	48.4	47.1	43.0	41.7	39.0	39.0	39.0
87.5°	33.6	32.3	30.9	29.6	28.2	26.9	24.2	22.9	22.9	20.2	18.8
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	3011.0	3033.8	3031.1	3047.3	3051.3	3059.4	3062.1	3063.4	3043.3	3059.4	3060.7
5°	3188.5	3192.5	3195.2	3201.9	3208.7	3210.0	3203.3	3195.2	3197.9	3192.5	3179.1
7.5°	3045.9	3025.8	3021.7	3016.4	3013.7	3011.0	2998.9	3009.6	2997.5	2992.1	2973.3
10°	2871.1	2852.3	2850.9	2850.9	2855.0	2853.6	2850.9	2845.6	2856.3	2849.6	2845.6
12.5°	2779.7	2772.9	2777.0	2774.3	2785.1	2787.7	2785.1	2785.1	2782.4	2777.0	2779.7
15°	2724.5	2719.2	2723.2	2719.2	2727.2	2728.6	2721.8	2725.9	2719.2	2712.4	2709.7
17.5°	2651.9	2639.8	2630.4	2617.0	2618.3	2615.6	2607.5	2607.5	2600.8	2583.3	2584.7
20°	2512.1	2500.0	2494.6	2494.6	2501.3	2504.0	2502.6	2505.3	2498.6	2495.9	2485.2
22.5°	2424.6	2423.3	2426.0	2432.7	2443.5	2458.3	2459.6	2459.6	2459.6	2458.3	2444.8
25°	2393.7	2393.7	2396.4	2405.8	2413.9	2424.6	2427.3	2430.0	2427.3	2427.3	2415.2
27.5°	2358.8	2356.1	2361.4	2370.9	2380.3	2388.3	2395.1	2396.4	2392.4	2392.4	2396.4
30°	2315.7	2314.4	2321.1	2330.5	2338.6	2346.7	2353.4	2358.8	2353.4	2353.4	2349.3
32.5°	2271.3	2271.3	2274.0	2217.6	2056.2	1851.8	1855.8	1737.5	1655.4	1551.9	1689.1
35°	1417.4	1031.5	886.2	750.4	654.9	593.1	591.7	571.5	562.1	555.4	554.1
37.5°	535.2	537.9	543.3	546.0	550.0	552.7	554.1	554.1	554.1	554.1	552.7
40°	533.9	539.3	543.3	547.3	551.4	554.1	554.1	555.4	556.7	556.7	556.7
42.5°	535.2	540.6	546.0	550.0	552.7	554.1	555.4	556.7	556.7	556.7	556.7
45°	533.9	536.6	536.6	537.9	537.9	537.9	539.3	539.3	537.9	536.6	539.3
47.5°	513.7	513.7	509.7	508.3	507.0	504.3	505.6	504.3	502.9	501.6	504.3
50°	478.7	473.4	470.7	468.0	466.6	464.0	465.3	464.0	462.6	459.9	464.0
52.5°	437.1	435.7	430.3	427.6	426.3	427.6	425.0	423.6	422.3	420.9	422.3
55°	396.7	391.3	390.0	387.3	386.0	387.3	386.0	384.6	383.3	381.9	383.3
57.5°	360.4	356.4	355.0	352.3	352.3	352.3	352.3	351.0	349.6	348.3	349.6
60°	325.4	322.7	321.4	321.4	320.1	320.1	320.1	318.7	317.4	317.4	318.7
62.5°	295.9	295.9	291.8	290.5	290.5	291.8	290.5	289.1	287.8	286.4	289.1
65°	264.9	259.5	258.2	255.5	252.8	254.2	252.8	251.5	250.1	248.8	251.5
67.5°	227.3	225.9	220.5	217.9	216.5	217.9	216.5	215.2	213.8	212.5	215.2
70°	191.0	191.0	185.6	184.2	182.9	182.9	181.5	181.5	180.2	178.9	181.5
72.5°	158.7	158.7	157.3	154.7	153.3	152.0	150.6	149.3	149.3	150.6	150.6
75°	131.8	129.1	123.7	125.1	123.7	122.4	122.4	121.0	119.7	122.4	121.0
77.5°	103.5	102.2	98.2	99.5	98.2	96.8	96.8	95.5	94.1	95.5	95.5
80°	78.0	78.0	76.7	75.3	75.3	74.0	72.6	72.6	71.3	72.6	72.6
82.5°	56.5	56.5	55.1	53.8	52.4	52.4	51.1	51.1	51.1	51.1	51.1
85°	36.3	35.0	35.0	32.3	32.3	32.3	30.9	30.9	30.9	30.9	30.9
87.5°	17.5	17.5	16.1	16.1	14.8	13.4	13.4	12.1	12.1	13.4	13.4
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	3036.5	3054.0	3039.2	3045.9	3047.3	3070.1	3068.8	3074.2	3064.8	3054.0	3039.2
5°	3191.2	3183.1	3172.4	3197.9	3184.5	3200.6	3206.0	3216.7	3216.7	3215.4	3203.3
7.5°	2993.5	2976.0	2989.5	2998.9	3002.9	2992.1	3013.7	3037.9	3058.0	3070.1	3071.5
10°	2838.8	2844.2	2842.9	2846.9	2856.3	2855.0	2868.4	2881.9	2887.3	2895.3	2898.0
12.5°	2766.2	2764.9	2767.6	2777.0	2782.4	2781.0	2794.5	2802.5	2805.2	2806.6	2805.2
15°	2708.4	2699.0	2705.7	2707.1	2711.1	2711.1	2727.2	2739.3	2744.7	2747.4	2744.7
17.5°	2599.5	2576.6	2598.1	2598.1	2612.9	2610.2	2635.8	2656.0	2666.7	2674.8	2674.8
20°	2491.9	2481.1	2489.2	2486.5	2497.3	2495.9	2512.1	2525.5	2534.9	2541.6	2549.7
22.5°	2448.9	2451.5	2439.4	2440.8	2440.8	2439.4	2447.5	2454.2	2456.9	2461.0	2458.3
25°	2420.6	2423.3	2419.3	2412.5	2409.9	2412.5	2416.6	2424.6	2426.0	2423.3	2413.9
27.5°	2392.4	2384.3	2391.0	2378.9	2376.2	2381.6	2387.0	2388.3	2389.7	2389.7	2381.6
30°	2349.3	2342.6	2349.3	2344.0	2338.6	2344.0	2348.0	2348.0	2350.7	2352.0	2342.6
32.5°	1642.0	1655.4	1873.3	2005.1	2190.7	2284.8	2302.3	2302.3	2305.0	2305.0	2296.9
35°	559.4	560.8	606.5	657.6	766.5	901.0	1077.2	1168.6	1477.9	1847.7	2205.4
37.5°	552.7	551.4	550.0	548.7	547.3	546.0	543.3	541.9	550.0	652.2	884.9
40°	555.4	554.1	551.4	550.0	548.7	546.0	544.6	541.9	539.3	536.6	533.9
42.5°	555.4	554.1	552.7	551.4	550.0	548.7	546.0	543.3	540.6	536.6	532.5
45°	536.6	536.6	537.9	537.9	539.3	539.3	539.3	537.9	537.9	536.6	531.2
47.5°	501.6	501.6	505.6	505.6	508.3	511.0	511.0	513.7	517.7	520.4	521.8
50°	461.3	461.3	465.3	466.6	469.3	473.4	477.4	478.7	482.8	488.2	493.5
52.5°	420.9	420.9	425.0	425.0	427.6	431.7	435.7	437.1	442.4	447.8	454.5
55°	383.3	383.3	386.0	387.3	388.6	391.3	395.4	395.4	400.7	404.8	411.5
57.5°	349.6	352.3	352.3	352.3	353.7	356.4	359.1	359.1	363.1	367.1	372.5
60°	317.4	320.1	320.1	320.1	321.4	322.7	325.4	325.4	328.1	330.8	336.2
62.5°	287.8	290.5	290.5	291.8	291.8	293.2	295.9	294.5	297.2	298.5	302.6
65°	250.1	252.8	254.2	255.5	256.9	259.5	263.6	262.2	266.3	269.0	273.0
67.5°	213.8	216.5	216.5	217.9	219.2	221.9	224.6	224.6	228.6	231.3	236.7
70°	180.2	182.9	182.9	184.2	185.6	188.3	191.0	189.6	193.6	196.3	200.4
72.5°	149.3	152.0	152.0	153.3	153.3	156.0	158.7	161.4	161.4	164.1	166.8
75°	121.0	122.4	123.7	123.7	125.1	126.4	129.1	131.8	133.1	134.5	137.2
77.5°	95.5	96.8	98.2	98.2	99.5	100.9	102.2	107.6	110.3	111.6	111.6
80°	72.6	74.0	74.0	74.0	75.3	76.7	79.3	79.3	84.7	84.7	86.1
82.5°	51.1	52.4	52.4	52.4	53.8	56.5	57.8	59.2	61.9	63.2	63.2
85°	30.9	32.3	32.3	32.3	33.6	35.0	37.7	39.0	40.3	40.3	41.7
87.5°	12.1	13.4	14.8	14.8	16.1	17.5	18.8	20.2	21.5	21.5	22.9
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	3023.1	3032.5	3023.1	3028.5	3035.2	3023.1	2994.8	2984.1	2980.0	2963.9	2953.2
5°	3191.2	3191.2	3187.1	3197.9	3196.6	3177.7	3148.1	3134.7	3121.2	3103.8	3090.3
7.5°	3071.5	3082.2	3089.0	3130.7	3157.6	3160.2	3179.1	3183.1	3188.5	3183.1	3175.0
10°	2899.4	2895.3	2914.2	2953.2	2976.0	2988.1	3024.4	3041.9	3056.7	3086.3	3117.2
12.5°	2802.5	2807.9	2816.0	2844.2	2865.7	2860.4	2875.2	2887.3	2904.7	2934.3	2978.7
15°	2738.0	2743.4	2751.4	2772.9	2786.4	2779.7	2787.7	2795.8	2807.9	2822.7	2849.6
17.5°	2668.1	2677.5	2686.9	2709.7	2721.8	2720.5	2727.2	2729.9	2734.0	2743.4	2762.2
20°	2559.1	2588.7	2607.5	2638.5	2656.0	2653.3	2665.4	2669.4	2674.8	2684.2	2692.3
22.5°	2459.6	2467.7	2477.1	2510.7	2540.3	2576.6	2584.7	2595.4	2608.9	2618.3	2626.4
25°	2403.1	2397.8	2401.8	2424.6	2440.8	2443.5	2455.6	2490.5	2526.9	2543.0	2561.8
27.5°	2369.5	2364.1	2362.8	2373.5	2376.2	2369.5	2366.8	2377.6	2404.5	2431.4	2487.9
30°	2333.2	2326.5	2321.1	2330.5	2334.5	2325.1	2307.7	2298.2	2314.4	2321.1	2344.0
32.5°	2290.2	2283.4	2280.8	2286.1	2288.8	2280.8	2261.9	2251.2	2248.5	2243.1	2248.5
35°	2241.8	2235.0	2231.0	2232.3	2237.7	2231.0	2214.9	2201.4	2194.7	2179.9	2169.1
37.5°	1155.2	1636.6	2124.8	2175.9	2181.2	2179.9	2163.8	2149.0	2142.2	2124.8	2119.4
40°	528.5	590.4	886.2	1157.9	1670.2	2122.1	2107.3	2092.5	2080.4	2075.0	2054.8
42.5°	527.2	528.5	529.8	523.1	648.2	1104.1	1629.9	2034.7	2026.6	2013.1	1998.4
45°	527.2	520.4	525.8	517.7	520.4	519.1	646.8	1043.6	1857.1	1940.5	1933.8
47.5°	521.8	517.7	523.1	516.4	508.3	512.4	507.0	513.7	801.5	1359.6	1862.5
50°	497.6	500.3	509.7	508.3	501.6	507.0	497.6	505.6	498.9	547.3	1054.3
52.5°	461.3	466.6	476.1	484.1	486.8	493.5	490.8	493.5	488.2	489.5	490.8
55°	418.2	425.0	433.0	445.1	450.5	461.3	469.3	473.4	480.1	478.7	468.0
57.5°	377.9	384.6	391.3	403.4	415.5	420.9	435.7	443.8	461.3	457.2	454.5
60°	340.2	345.6	352.3	355.0	369.8	379.2	392.7	400.7	423.6	429.0	437.1
62.5°	306.6	309.3	314.7	318.7	328.1	337.5	344.3	357.7	369.8	387.3	399.4
65°	275.7	278.4	282.4	285.1	286.4	299.9	303.9	318.7	322.7	341.6	352.3
67.5°	240.7	246.1	251.5	254.2	256.9	264.9	267.6	274.3	283.7	291.8	305.3
70°	204.4	208.4	213.8	217.9	223.2	228.6	236.7	240.7	247.4	252.8	263.6
72.5°	170.8	174.8	177.5	181.5	185.6	189.6	196.3	205.8	211.1	220.5	223.2
75°	138.5	142.5	145.2	147.9	152.0	154.7	157.3	166.8	172.1	180.2	188.3
77.5°	114.3	114.3	117.0	125.1	123.7	123.7	126.4	131.8	135.8	141.2	149.3
80°	88.8	90.1	91.4	98.2	99.5	100.9	99.5	103.5	107.6	108.9	114.3
82.5°	65.9	67.2	67.2	71.3	75.3	75.3	75.3	76.7	80.7	82.0	84.7
85°	44.4	45.7	47.1	48.4	51.1	52.4	53.8	53.8	56.5	57.8	59.2
87.5°	24.2	26.9	28.2	29.6	30.9	32.3	33.6	35.0	36.3	37.7	39.0
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-LD5-64SL-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°	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3	2934.3
2.5°	2949.1	2942.4	2938.4	2927.6	2924.9	2907.4	2910.1	2907.4	2907.4	2911.5	2924.9
5°	3075.5	3043.3	3035.2	3012.3	2993.5	2961.2	2941.0	2930.3	2914.2	2907.4	2916.8
7.5°	3161.6	3137.4	3117.2	3097.0	3070.1	3032.5	3004.3	2972.0	2945.1	2919.5	2912.8
10°	3146.8	3173.7	3173.7	3161.6	3136.0	3098.4	3064.8	3024.4	2977.4	2937.0	2912.8
12.5°	3021.7	3068.8	3106.5	3134.7	3160.2	3134.7	3101.1	3068.8	3016.4	2957.2	2912.8
15°	2884.6	2933.0	2980.0	3039.2	3101.1	3126.6	3125.3	3087.6	3040.6	2978.7	2916.8
17.5°	2787.7	2821.4	2846.9	2911.5	2986.8	3052.7	3097.0	3099.7	3054.0	2998.9	2918.2
20°	2715.1	2739.3	2760.8	2797.2	2863.0	2943.7	3025.8	3071.5	3063.4	3002.9	2922.2
22.5°	2649.2	2666.7	2684.2	2711.1	2763.5	2816.0	2911.5	3005.6	3045.9	2996.2	2918.2
25°	2583.3	2602.2	2615.6	2634.4	2676.1	2719.2	2786.4	2903.4	2993.5	2990.8	2910.1
27.5°	2505.3	2530.9	2547.0	2572.6	2600.8	2633.1	2678.8	2789.1	2918.2	2963.9	2888.6
30°	2411.2	2448.9	2473.1	2501.3	2525.5	2553.7	2590.1	2657.3	2817.3	2911.5	2865.7
32.5°	2275.4	2342.6	2396.4	2423.3	2450.2	2474.4	2506.7	2563.2	2693.6	2840.2	2840.2
35°	2178.6	2209.5	2257.9	2335.9	2369.5	2393.7	2423.3	2467.7	2551.1	2755.5	2798.5
37.5°	2103.2	2115.3	2139.6	2216.2	2279.4	2318.4	2348.0	2376.2	2458.3	2639.8	2744.7
40°	2046.8	2042.7	2040.0	2076.3	2166.5	2228.3	2261.9	2290.2	2353.4	2501.3	2673.4
42.5°	1980.9	1976.8	1963.4	1972.8	2017.2	2120.7	2171.8	2202.8	2255.2	2356.1	2595.4
45°	1912.3	1905.6	1900.2	1890.8	1906.9	1964.7	2069.6	2115.3	2144.9	2235.0	2497.3
47.5°	1842.4	1832.9	1826.2	1818.2	1808.7	1835.6	1935.1	2017.2	2068.3	2124.8	2378.9
50°	1742.8	1754.9	1746.9	1737.5	1729.4	1724.0	1765.7	1900.2	1963.4	2009.1	2235.0
52.5°	821.7	1597.6	1664.8	1655.4	1644.7	1635.3	1644.7	1746.9	1861.2	1897.5	2061.6
55°	468.0	711.4	1480.6	1565.3	1555.9	1542.5	1534.4	1569.4	1740.2	1788.6	1902.9
57.5°	450.5	451.8	653.6	1410.7	1463.1	1451.0	1441.6	1449.7	1594.9	1676.9	1764.4
60°	435.7	435.7	435.7	624.0	1348.8	1352.9	1340.8	1327.3	1390.5	1551.9	1624.5
62.5°	403.4	411.5	415.5	415.5	615.9	1249.3	1237.2	1233.2	1235.9	1401.3	1484.6
65°	361.7	380.6	388.6	394.0	394.0	646.8	1131.0	1124.2	1114.8	1178.0	1343.4
67.5°	316.0	334.9	352.3	363.1	364.4	376.5	675.1	1012.6	999.2	1000.5	1192.8
70°	269.0	285.1	303.9	320.1	334.9	341.6	352.3	840.5	884.9	866.0	1022.0
72.5°	232.6	239.4	252.8	269.0	286.4	302.6	312.0	334.9	767.9	747.7	777.3
75°	193.6	199.0	208.4	219.2	232.6	251.5	267.6	283.7	407.5	626.7	622.6
77.5°	150.6	160.0	170.8	177.5	184.2	197.7	219.2	235.3	251.5	423.6	498.9
80°	115.7	122.4	127.8	134.5	142.5	152.0	160.0	178.9	197.7	212.5	381.9
82.5°	86.1	90.1	94.1	96.8	99.5	104.9	119.7	126.4	138.5	152.0	180.2
85°	60.5	63.2	65.9	67.2	68.6	69.9	75.3	76.7	88.8	91.4	108.9
87.5°	39.0	40.3	43.0	44.4	44.4	45.7	47.1	47.1	47.1	44.4	53.8
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-LD5-64SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2934.3	2934.3
2.5°	2935.7	2957.2
5°	2931.6	2959.9
7.5°	2920.9	2947.8
10°	2904.7	2937.0
12.5°	2887.3	2918.2
15°	2872.5	2895.3
17.5°	2856.3	2869.8
20°	2834.8	2845.6
22.5°	2813.3	2807.9
25°	2789.1	2777.0
27.5°	2758.2	2735.3
30°	2729.9	2689.6
32.5°	2703.0	2637.1
35°	2666.7	2583.3
37.5°	2629.1	2528.2
40°	2584.7	2465.0
42.5°	2537.6	2401.8
45°	2478.4	2341.3
47.5°	2426.0	2268.7
50°	2353.4	2190.7
52.5°	2264.6	2118.0
55°	2159.7	2029.3
57.5°	2046.8	1936.5
60°	1925.7	1830.3
62.5°	1779.2	1720.0
65°	1607.0	1593.6
67.5°	1382.4	1453.7
70°	1133.7	1293.7
72.5°	948.1	1124.2
75°	777.3	934.6
77.5°	615.9	732.9
80°	384.6	536.6
82.5°	258.2	352.3
85°	156.0	168.1
87.5°	60.5	61.9
90°	0.0	0.0

(END OF REPORT)