

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-L930-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-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

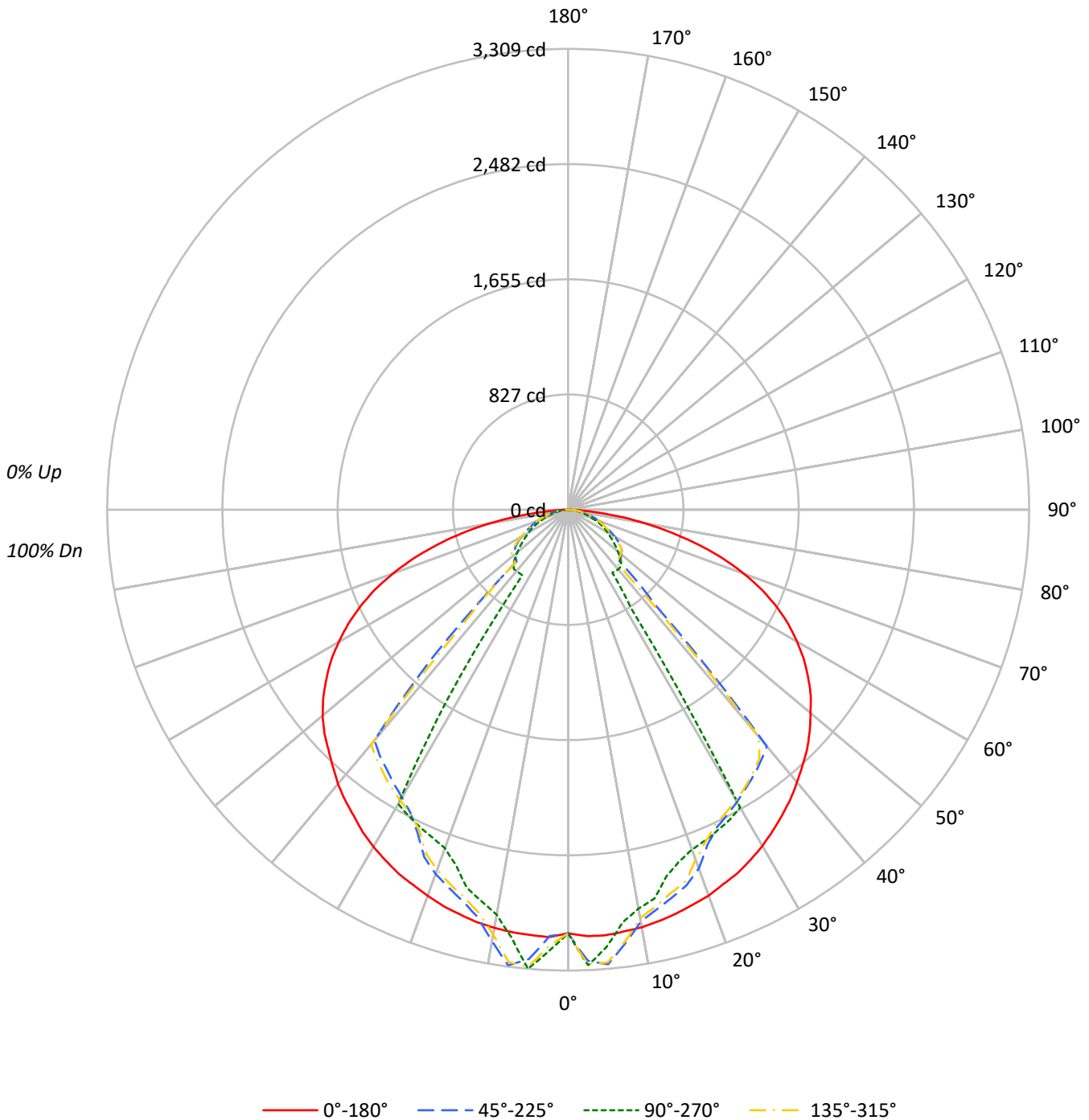
Lumens per Lamp: N/A
Luminaire Lumens: 6090.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L930-CD1-U

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°	12288	12288	12288	12288
5°	12425	12381	12420	12994
10°	12455	11193	12472	11365
15°	12500	10356	12529	10685
20°	12609	9823	12609	9786
25°	12738	9635	12757	9545
30°	12889	9465	12921	9353
35°	13063	2156	13091	2248
40°	13301	2242	13381	2314
45°	13652	2229	13699	2310
50°	14011	2016	14200	2070
55°	14492	1790	14607	1815
60°	14925	1590	14958	1611
65°	15278	1388	15240	1366
70°	15188	1118	15140	1078
75°	14289	861	14391	824
80°	11886	611	12363	560
85°	6852	366	7238	281



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.2	4.9
10°-20°	822.7	13.5
20°-30°	1218.6	20.0
30°-40°	1227.8	20.2
40°-50°	959.1	15.7
50°-60°	740.9	12.2
60°-70°	497.4	8.2
70°-80°	253.7	4.2
80°-90°	70.6	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°	2340.5	38.4
0°-40°	3568.3	58.6
0°-60°	5268.3	86.5
0°-90°	6090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6090.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3041	3041	3041	3041	3041	
5°	3068	3153	3066	3309	3068	292
15°	3001	2725	3008	2811	3001	849
25°	2878	2539	2882	2516	2878	1328
35°	2677	552	2683	576	2677	1678
45°	2426	537	2435	556	2426	1871
55°	2103	390	2120	396	2103	1878
65°	1652	262	1647	258	1652	1624
75°	969	132	976	127	969	1013
85°	174	42	184	32	174	240
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3064.9	3076.0	3084.4	3090.0	3092.8	3092.8	3094.2	3095.5	3113.7	3122.0	3127.6
5°	3067.7	3078.8	3095.5	3117.8	3137.4	3154.1	3168.0	3187.5	3207.0	3228.0	3234.9
7.5°	3055.1	3069.1	3102.5	3142.9	3180.6	3207.0	3225.2	3237.7	3247.5	3248.9	3255.8
10°	3044.0	3069.1	3115.1	3168.0	3215.4	3247.5	3247.5	3240.5	3250.3	3212.6	3175.0
12.5°	3024.5	3052.3	3115.1	3184.7	3229.3	3241.9	3236.3	3208.4	3151.3	3105.3	3084.4
15°	3000.8	3038.4	3116.5	3194.5	3232.1	3236.3	3183.4	3112.3	3069.1	3041.2	3006.3
17.5°	2974.3	3024.5	3117.8	3195.9	3209.8	3190.3	3090.0	3045.4	3000.8	2935.3	2887.9
20°	2949.2	2998.0	3106.7	3176.4	3184.7	3096.9	3018.9	2971.5	2896.2	2839.1	2818.2
22.5°	2910.2	2967.3	3096.9	3149.9	3117.8	3016.1	2940.8	2865.6	2797.3	2780.6	2755.5
25°	2878.1	2938.1	3074.6	3117.8	3032.8	2942.2	2854.4	2766.6	2734.6	2710.9	2688.6
27.5°	2834.9	2908.8	3045.4	3059.3	2942.2	2862.8	2734.6	2695.5	2666.3	2639.8	2630.0
30°	2787.5	2878.1	3005.0	2978.5	2867.0	2749.9	2655.1	2618.9	2598.0	2570.1	2558.9
32.5°	2733.2	2832.1	2960.4	2885.1	2786.1	2639.8	2578.5	2550.6	2522.7	2501.8	2432.1
35°	2677.4	2791.7	2907.4	2795.9	2688.6	2556.2	2501.8	2476.7	2450.2	2373.6	2301.1
37.5°	2620.3	2747.1	2843.3	2699.7	2558.9	2469.7	2423.8	2395.9	2335.9	2238.4	2202.1
40°	2554.8	2692.7	2761.0	2600.8	2446.1	2381.9	2338.7	2310.9	2175.7	2132.5	2121.3
42.5°	2489.3	2639.8	2660.7	2504.6	2352.7	2288.6	2252.3	2160.3	2068.3	2046.0	2050.2
45°	2426.5	2582.6	2550.6	2368.0	2255.1	2202.1	2140.8	2014.0	1965.2	1976.4	1979.1
47.5°	2351.3	2514.3	2434.9	2231.4	2154.8	2101.8	1965.2	1888.5	1881.6	1896.9	1905.3
50°	2270.4	2437.7	2312.3	2107.4	2046.0	1983.3	1828.6	1789.6	1798.0	1813.3	1823.0
52.5°	2195.2	2351.3	2185.4	1991.7	1938.7	1795.2	1690.6	1697.6	1711.5	1729.7	1735.2
55°	2103.2	2246.7	2050.2	1874.6	1824.4	1636.3	1588.9	1605.6	1619.6	1634.9	1646.0
57.5°	2007.0	2126.9	1889.9	1743.6	1662.8	1495.5	1499.7	1510.8	1520.6	1538.7	635.6
60°	1896.9	1990.3	1714.3	1622.3	1462.1	1384.0	1388.2	1407.7	1417.5	791.7	437.6
62.5°	1782.6	1831.4	1555.4	1484.4	1278.1	1272.5	1292.0	1300.4	885.0	418.1	409.8
65°	1651.6	1641.9	1399.3	1286.4	1152.6	1158.2	1179.1	1137.3	391.6	391.6	388.9
67.5°	1506.7	1448.1	1247.4	1064.8	1031.4	1043.9	1066.2	372.1	362.4	365.2	355.4
70°	1340.8	1258.6	1089.9	901.8	912.9	925.5	359.6	337.3	333.1	326.1	306.6
72.5°	1165.2	1052.3	892.0	783.3	790.3	496.2	315.0	303.8	289.9	276.0	255.1
75°	968.7	822.3	655.1	655.1	664.8	282.9	274.6	256.5	241.1	223.0	210.5
77.5°	759.6	632.8	508.7	528.2	257.8	236.9	221.6	202.1	189.6	178.4	171.4
80°	556.1	441.8	383.3	342.9	200.7	179.8	164.5	153.3	147.7	140.8	132.4
82.5°	365.2	266.2	266.2	161.7	140.8	124.0	119.9	111.5	105.9	101.7	97.6
85°	174.2	154.7	117.1	99.0	87.8	79.4	76.7	72.5	72.5	71.1	69.7
87.5°	64.1	69.7	51.6	50.2	47.4	46.0	47.4	47.4	48.8	47.4	46.0
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-LD5-72SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3141.5	3152.7	3161.1	3175.0	3193.1	3208.4	3222.4	3241.9	3272.6	3280.9	3287.9
5°	3234.9	3239.1	3248.9	3260.0	3262.8	3269.8	3268.4	3276.7	3280.9	3290.7	3269.8
7.5°	3240.5	3218.2	3191.7	3168.0	3151.3	3136.0	3126.2	3141.5	3149.9	3156.9	3136.0
10°	3123.4	3096.9	3081.6	3067.7	3050.9	3027.3	2995.2	3002.2	2999.4	2999.4	2992.4
12.5°	3049.6	3011.9	2972.9	2938.1	2922.7	2921.3	2922.7	2938.1	2938.1	2936.7	2928.3
15°	2933.9	2897.6	2878.1	2869.8	2869.8	2865.6	2865.6	2882.3	2878.1	2878.1	2873.9
17.5°	2857.2	2832.1	2818.2	2808.4	2804.2	2811.2	2819.6	2826.5	2827.9	2822.4	2800.1
20°	2794.5	2770.8	2754.1	2756.9	2755.5	2759.6	2763.8	2740.1	2710.9	2671.8	2653.7
22.5°	2729.0	2710.9	2698.3	2698.3	2681.6	2655.1	2616.1	2607.7	2603.5	2585.4	2570.1
25°	2666.3	2645.4	2627.2	2571.5	2536.6	2540.8	2533.9	2519.9	2518.5	2517.1	2522.7
27.5°	2603.5	2549.2	2479.5	2471.1	2457.2	2455.8	2464.2	2471.1	2471.1	2476.7	2483.7
30°	2473.9	2411.2	2398.7	2383.3	2388.9	2408.4	2412.6	2422.4	2425.1	2434.9	2440.5
32.5°	2355.5	2327.6	2316.4	2323.4	2341.5	2358.2	2368.0	2372.2	2379.2	2387.5	2394.5
35°	2259.3	2250.9	2260.7	2276.0	2294.1	2308.1	2316.4	2324.8	2331.8	2338.7	2344.3
37.5°	2188.2	2193.8	2207.7	2227.2	2245.4	2256.5	2263.5	2273.2	2283.0	2291.3	2257.9
40°	2121.3	2135.2	2150.6	2171.5	2186.8	2198.0	2204.9	2217.5	2133.9	965.9	529.6
42.5°	2062.8	2078.1	2089.2	2106.0	2122.7	2131.1	2069.7	924.1	522.7	519.9	526.8
45°	1991.7	2004.2	2022.3	2034.9	2050.2	1346.4	514.3	519.9	511.5	517.1	519.9
47.5°	1919.2	1938.7	1948.5	1859.3	553.3	511.5	505.9	511.5	505.9	512.9	508.7
50°	1837.0	1860.7	1324.1	500.4	496.2	493.4	499.0	496.2	500.4	505.9	494.8
52.5°	1753.4	1085.7	485.0	482.2	485.0	482.2	492.0	485.0	486.4	480.8	466.9
55°	593.7	469.7	465.5	464.1	472.5	472.5	472.5	461.3	454.4	440.4	430.7
57.5°	454.4	454.4	453.0	454.4	451.6	448.8	436.2	426.5	416.7	397.2	391.6
60°	430.7	430.7	430.7	430.7	418.1	412.6	393.0	384.7	368.0	358.2	352.6
62.5°	411.2	408.4	395.8	391.6	377.7	362.4	351.2	342.9	326.1	320.6	316.4
65°	383.3	373.5	358.2	341.5	334.5	317.8	312.2	299.7	291.3	287.1	284.3
67.5°	337.3	323.4	310.8	299.7	287.1	281.5	274.6	264.8	259.2	256.5	253.7
70°	288.5	278.8	266.2	259.2	250.9	246.7	236.9	234.2	230.0	225.8	221.6
72.5°	241.1	235.5	230.0	220.2	217.4	214.6	204.9	199.3	193.7	188.2	185.4
75°	202.1	197.9	195.1	186.8	182.6	174.2	167.3	163.1	158.9	154.7	151.9
77.5°	165.9	163.1	154.7	149.1	146.3	139.4	136.6	138.0	135.2	129.6	126.8
80°	129.6	126.8	119.9	119.9	117.1	114.3	111.5	108.7	105.9	101.7	99.0
82.5°	99.0	96.2	93.4	90.6	87.8	86.4	85.0	82.2	79.4	76.7	75.3
85°	69.7	68.3	66.9	65.5	64.1	62.7	61.3	58.5	55.8	54.4	53.0
87.5°	47.4	46.0	44.6	43.2	41.8	40.4	39.0	37.6	34.8	33.5	32.1
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3287.9	3294.9	3287.9	3272.6	3262.8	3258.6	3267.0	3267.0	3272.6	3279.5	3280.9
5°	3236.3	3219.6	3200.1	3180.6	3170.8	3165.2	3149.9	3152.7	3156.9	3159.7	3162.4
7.5°	3108.1	3085.8	3059.3	3034.2	3024.5	3016.1	2998.0	2998.0	2998.0	2999.4	3007.7
10°	2977.1	2967.3	2956.2	2939.4	2926.9	2922.7	2907.4	2911.6	2908.8	2913.0	2922.7
12.5°	2915.8	2904.6	2894.8	2878.1	2864.2	2858.6	2851.6	2855.8	2854.4	2861.4	2869.8
15°	2860.0	2854.4	2843.3	2830.7	2818.2	2807.0	2781.9	2773.6	2768.0	2761.0	2770.8
17.5°	2768.0	2729.0	2702.5	2683.0	2669.1	2659.3	2652.3	2652.3	2656.5	2660.7	2669.1
20°	2642.6	2631.4	2618.9	2598.0	2584.0	2578.5	2574.3	2574.3	2581.2	2586.8	2602.2
22.5°	2556.2	2554.8	2550.6	2540.8	2533.9	2533.9	2535.3	2538.0	2547.8	2556.2	2571.5
25°	2515.7	2521.3	2518.5	2513.0	2508.8	2510.2	2507.4	2510.2	2519.9	2528.3	2540.8
27.5°	2483.7	2492.0	2489.3	2480.9	2473.9	2476.7	2480.9	2478.1	2486.5	2496.2	2506.0
30°	2440.5	2441.9	2447.4	2437.7	2434.9	2439.1	2440.5	2443.3	2451.6	2458.6	2467.0
32.5°	2391.7	2402.8	2401.5	2391.7	2391.7	2395.9	2397.3	2303.9	2129.7	1834.2	1753.4
35°	2344.3	2356.9	2335.9	1969.4	1363.1	727.5	561.7	542.2	546.4	549.1	551.9
37.5°	1733.8	822.3	524.1	528.2	532.4	536.6	540.8	545.0	549.1	553.3	554.7
40°	521.3	519.9	524.1	529.6	533.8	536.6	542.2	546.4	550.5	554.7	556.1
42.5°	515.7	518.5	522.7	528.2	533.8	539.4	543.6	549.1	551.9	554.7	556.1
45°	512.9	518.5	524.1	528.2	532.4	535.2	538.0	539.4	538.0	538.0	540.8
47.5°	508.7	514.3	515.7	514.3	515.7	514.3	514.3	514.3	510.1	508.7	508.7
50°	493.4	493.4	490.6	485.0	483.6	482.2	479.5	478.1	472.5	471.1	471.1
52.5°	461.3	459.9	455.8	448.8	446.0	443.2	441.8	440.4	434.9	432.1	433.5
55°	423.7	420.9	416.7	408.4	407.0	404.2	402.8	401.4	395.8	398.6	394.4
57.5°	388.9	383.3	377.7	376.3	370.7	369.3	368.0	366.6	362.4	363.8	361.0
60°	347.0	345.7	342.9	337.3	337.3	335.9	335.9	333.1	330.3	328.9	328.9
62.5°	316.4	312.2	309.4	309.4	305.2	305.2	305.2	302.4	299.7	301.1	299.7
65°	282.9	281.5	280.1	277.4	277.4	276.0	276.0	273.2	269.0	270.4	267.6
67.5°	255.1	252.3	249.5	248.1	242.5	239.7	238.3	236.9	231.4	232.8	230.0
70°	220.2	216.0	213.2	210.5	206.3	203.5	203.5	200.7	196.5	197.9	195.1
72.5°	184.0	181.2	178.4	177.0	172.8	171.4	170.0	168.6	164.5	165.9	164.5
75°	153.3	153.3	151.9	150.5	146.3	142.2	139.4	138.0	135.2	136.6	133.8
77.5°	126.8	124.0	121.3	121.3	117.1	114.3	111.5	111.5	111.5	110.1	108.7
80°	99.0	96.2	96.2	94.8	92.0	89.2	87.8	87.8	86.4	86.4	85.0
82.5°	75.3	72.5	71.1	71.1	68.3	66.9	65.5	64.1	64.1	64.1	62.7
85°	53.0	50.2	48.8	48.8	46.0	44.6	44.6	43.2	43.2	41.8	41.8
87.5°	32.1	30.7	29.3	29.3	26.5	25.1	25.1	25.1	23.7	23.7	22.3
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3280.9	3280.9	3271.2	3273.9	3269.8	3275.3	3268.4	3268.4	3276.7	3276.7	3282.3
5°	3163.8	3156.9	3155.5	3152.7	3138.8	3144.3	3137.4	3130.4	3140.1	3140.1	3152.7
7.5°	3003.6	2991.0	2996.6	2988.2	2979.9	2967.3	2971.5	2965.9	2972.9	2982.7	2995.2
10°	2921.3	2910.2	2917.1	2908.8	2913.0	2894.8	2896.2	2897.6	2904.6	2907.4	2918.5
12.5°	2868.4	2865.6	2862.8	2860.0	2862.8	2853.0	2847.5	2848.9	2851.6	2853.0	2861.4
15°	2756.9	2738.7	2744.3	2724.8	2726.2	2727.6	2716.4	2727.6	2726.2	2744.3	2761.0
17.5°	2666.3	2666.3	2656.5	2648.1	2642.6	2641.2	2632.8	2638.4	2632.8	2644.0	2648.1
20°	2603.5	2602.2	2600.8	2596.6	2582.6	2584.0	2588.2	2575.7	2574.3	2572.9	2581.2
22.5°	2574.3	2575.7	2570.1	2570.1	2557.6	2560.3	2561.7	2547.8	2549.2	2545.0	2549.2
25°	2543.6	2546.4	2539.4	2539.4	2536.6	2535.3	2528.3	2531.1	2522.7	2515.7	2522.7
27.5°	2507.4	2513.0	2507.4	2510.2	2504.6	2501.8	2497.6	2494.8	2486.5	2485.1	2489.3
30°	2473.9	2476.7	2475.3	2468.4	2467.0	2458.6	2462.8	2454.4	2446.1	2447.4	2450.2
32.5°	1268.3	1211.2	933.8	843.2	834.9	865.5	1025.8	1248.8	1618.2	1976.4	2234.2
35°	553.3	553.3	553.3	551.9	551.9	550.5	549.1	547.7	546.4	545.0	543.6
37.5°	556.1	556.1	556.1	556.1	554.7	553.3	553.3	550.5	549.1	547.7	546.4
40°	557.5	558.9	558.9	558.9	557.5	557.5	556.1	553.3	551.9	549.1	546.4
42.5°	556.1	557.5	557.5	556.1	556.1	554.7	554.7	553.3	551.9	550.5	549.1
45°	538.0	539.4	536.6	536.6	535.2	535.2	535.2	535.2	535.2	536.6	536.6
47.5°	505.9	505.9	504.5	503.1	503.1	501.8	503.1	501.8	504.5	505.9	508.7
50°	468.3	468.3	465.5	464.1	464.1	464.1	464.1	465.5	466.9	469.7	472.5
52.5°	429.3	429.3	427.9	426.5	425.1	425.1	429.3	427.9	429.3	430.7	434.9
55°	391.6	393.0	390.3	390.3	388.9	388.9	388.9	390.3	391.6	393.0	397.2
57.5°	359.6	359.6	356.8	356.8	356.8	355.4	359.6	356.8	358.2	359.6	362.4
60°	327.5	326.1	326.1	324.7	324.7	324.7	327.5	326.1	326.1	327.5	330.3
62.5°	298.3	298.3	296.9	296.9	295.5	295.5	298.3	296.9	296.9	298.3	299.7
65°	264.8	264.8	263.4	262.0	266.2	262.0	266.2	263.4	266.2	267.6	270.4
67.5°	227.2	227.2	227.2	225.8	225.8	228.6	230.0	227.2	228.6	231.4	232.8
70°	193.7	193.7	192.3	192.3	192.3	195.1	196.5	193.7	195.1	196.5	199.3
72.5°	164.5	161.7	161.7	160.3	163.1	163.1	164.5	163.1	164.5	164.5	167.3
75°	135.2	132.4	132.4	132.4	135.2	133.8	135.2	133.8	135.2	135.2	136.6
77.5°	108.7	107.3	105.9	105.9	108.7	108.7	108.7	107.3	108.7	110.1	111.5
80°	85.0	83.6	82.2	82.2	85.0	85.0	85.0	86.4	85.0	86.4	87.8
82.5°	62.7	61.3	59.9	62.7	62.7	62.7	62.7	64.1	62.7	64.1	65.5
85°	41.8	40.4	39.0	41.8	41.8	41.8	41.8	43.2	41.8	43.2	44.6
87.5°	22.3	20.9	20.9	22.3	22.3	22.3	23.7	23.7	23.7	25.1	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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3290.7	3294.9	3293.5	3285.1	3276.7	3267.0	3260.0	3261.4	3275.3	3279.5	3267.0
5°	3152.7	3179.2	3179.2	3197.3	3187.5	3179.2	3184.7	3215.4	3230.7	3254.4	3262.8
7.5°	3010.5	3023.1	3021.7	3039.8	3037.0	3037.0	3041.2	3081.6	3101.1	3120.6	3126.2
10°	2931.1	2943.6	2942.2	2943.6	2939.4	2929.7	2929.7	2947.8	2964.5	2974.3	2977.1
12.5°	2873.9	2880.9	2879.5	2879.5	2876.7	2868.4	2867.0	2882.3	2900.4	2913.0	2914.4
15°	2788.9	2808.4	2812.6	2830.7	2826.5	2815.4	2818.2	2830.7	2841.9	2853.0	2848.9
17.5°	2662.1	2671.8	2673.2	2680.2	2677.4	2677.4	2694.1	2740.1	2770.8	2797.3	2800.1
20°	2589.6	2596.6	2593.8	2609.1	2602.2	2600.8	2604.9	2624.5	2638.4	2650.9	2673.2
22.5°	2554.8	2560.3	2556.2	2557.6	2545.0	2533.9	2531.1	2546.4	2561.7	2578.5	2578.5
25°	2525.5	2529.7	2528.3	2525.5	2515.7	2500.4	2497.6	2500.4	2506.0	2507.4	2497.6
27.5°	2490.7	2493.4	2493.4	2494.8	2482.3	2468.4	2465.6	2462.8	2468.4	2467.0	2451.6
30°	2454.4	2450.2	2451.6	2453.0	2441.9	2429.3	2423.8	2422.4	2427.9	2426.5	2411.2
32.5°	2368.0	2400.1	2402.8	2405.6	2395.9	2384.7	2379.2	2375.0	2377.8	2376.4	2362.4
35°	542.2	551.9	676.0	1530.4	2078.1	2301.1	2324.8	2319.2	2320.6	2320.6	2309.5
37.5°	543.6	542.2	540.8	536.6	532.4	529.6	915.7	1952.7	2262.1	2263.5	2253.7
40°	543.6	542.2	540.8	538.0	532.4	528.2	521.3	515.7	528.2	1162.4	2126.9
42.5°	546.4	543.6	540.8	538.0	532.4	526.8	521.3	514.3	518.5	515.7	508.7
45°	538.0	536.6	536.6	535.2	532.4	526.8	519.9	511.5	507.3	511.5	504.5
47.5°	511.5	512.9	517.1	518.5	518.5	519.9	515.7	510.1	503.1	507.3	499.0
50°	475.3	478.1	479.5	486.4	489.2	494.8	496.2	496.2	494.8	500.4	494.8
52.5°	436.2	439.0	446.0	448.8	451.6	459.9	462.7	466.9	469.7	478.1	483.6
55°	398.6	400.0	402.8	408.4	412.6	419.5	423.7	427.9	434.9	439.0	455.8
57.5°	363.8	365.2	370.7	372.1	374.9	380.5	384.7	390.3	395.8	398.6	418.1
60°	330.3	331.7	335.9	337.3	338.7	344.3	348.4	352.6	356.8	359.6	373.5
62.5°	301.1	301.1	305.2	305.2	306.6	310.8	313.6	316.4	320.6	322.0	328.9
65°	271.8	273.2	276.0	276.0	277.4	280.1	281.5	282.9	287.1	287.1	292.7
67.5°	235.5	236.9	241.1	243.9	245.3	250.9	252.3	253.7	256.5	257.8	260.6
70°	200.7	202.1	206.3	207.7	209.1	213.2	216.0	220.2	224.4	228.6	231.4
72.5°	168.6	170.0	174.2	174.2	178.4	179.8	182.6	184.0	188.2	190.9	195.1
75°	138.0	139.4	143.6	143.6	147.7	149.1	150.5	151.9	154.7	157.5	160.3
77.5°	112.9	112.9	118.5	121.3	124.0	124.0	125.4	125.4	125.4	126.8	129.6
80°	89.2	89.2	93.4	96.2	99.0	99.0	100.4	101.7	103.1	103.1	104.5
82.5°	66.9	66.9	71.1	72.5	75.3	75.3	75.3	76.7	78.1	76.7	79.4
85°	46.0	46.0	48.8	50.2	53.0	53.0	53.0	54.4	55.8	54.4	55.8
87.5°	26.5	27.9	29.3	30.7	32.1	33.5	33.5	33.5	34.8	34.8	36.2
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3253.0	3236.3	3234.9	3215.4	3209.8	3211.2	3195.9	3190.3	3165.2	3159.7	3133.2
5°	3265.6	3273.9	3269.8	3268.4	3272.6	3269.8	3258.6	3253.0	3248.9	3237.7	3215.4
7.5°	3127.6	3133.2	3137.4	3155.5	3170.8	3197.3	3225.2	3243.3	3257.2	3260.0	3241.9
10°	2986.8	3013.3	3031.4	3059.3	3081.6	3096.9	3113.7	3129.0	3169.4	3209.8	3233.5
12.5°	2914.4	2921.3	2919.9	2935.3	2950.6	2991.0	3030.0	3052.3	3083.0	3101.1	3144.3
15°	2853.0	2854.4	2858.6	2869.8	2878.1	2892.1	2910.2	2943.6	3005.0	3032.8	3056.5
17.5°	2797.3	2797.3	2800.1	2809.8	2821.0	2833.5	2844.7	2858.6	2889.3	2935.3	2993.8
20°	2708.1	2747.1	2751.3	2749.9	2755.5	2779.2	2781.9	2807.0	2822.4	2840.5	2897.6
22.5°	2575.7	2599.4	2632.8	2684.4	2703.9	2715.0	2723.4	2734.6	2758.3	2779.2	2802.9
25°	2503.2	2518.5	2528.3	2543.6	2584.0	2649.5	2662.1	2674.6	2690.0	2705.3	2734.6
27.5°	2439.1	2437.7	2444.7	2458.6	2469.7	2504.6	2565.9	2614.7	2617.5	2639.8	2664.9
30°	2393.1	2384.7	2375.0	2372.2	2387.5	2405.6	2423.8	2500.4	2553.4	2564.5	2591.0
32.5°	2349.9	2335.9	2322.0	2310.9	2301.1	2316.4	2327.6	2361.0	2429.3	2493.4	2507.4
35°	2296.9	2283.0	2266.3	2253.7	2238.4	2237.0	2235.6	2267.7	2290.0	2366.6	2433.5
37.5°	2242.6	2227.2	2213.3	2199.4	2184.0	2172.9	2165.9	2174.3	2195.2	2228.6	2340.1
40°	2185.4	2167.3	2153.4	2142.2	2121.3	2112.9	2099.0	2093.4	2094.8	2124.1	2182.6
42.5°	1306.0	2082.3	2089.2	2076.7	2058.6	2047.4	2032.1	2025.1	2011.2	2025.1	2058.6
45°	503.1	508.7	1523.4	2012.6	1990.3	1976.4	1962.4	1955.4	1940.1	1929.0	1959.6
47.5°	493.4	499.0	487.8	691.3	1899.7	1903.9	1887.2	1880.2	1864.9	1856.5	1848.1
50°	486.4	490.6	482.2	485.0	475.3	1740.8	1810.5	1802.1	1785.4	1775.7	1758.9
52.5°	479.5	479.5	473.9	466.9	464.1	465.5	1464.8	1722.7	1703.2	1693.4	1671.1
55°	457.2	459.9	465.5	454.4	451.6	450.2	446.0	1395.2	1612.6	1601.4	1581.9
57.5°	423.7	429.3	444.6	441.8	441.8	430.7	427.9	427.9	1294.8	1508.1	1488.5
60°	384.7	390.3	407.0	412.6	416.7	413.9	411.2	409.8	404.2	1364.5	1389.6
62.5°	344.3	349.8	355.4	373.5	379.1	386.1	394.4	390.3	384.7	384.7	1285.0
65°	301.1	309.4	312.2	328.9	335.9	348.4	355.4	365.2	362.4	361.0	368.0
67.5°	263.4	273.2	274.6	281.5	294.1	299.7	308.0	326.1	334.5	337.3	340.1
70°	231.4	236.9	241.1	243.9	252.3	253.7	269.0	281.5	294.1	308.0	312.2
72.5°	199.3	203.5	211.9	209.1	211.9	217.4	225.8	234.2	246.7	266.2	278.8
75°	163.1	165.9	171.4	174.2	179.8	184.0	189.6	196.5	207.7	217.4	234.2
77.5°	131.0	132.4	136.6	138.0	143.6	147.7	157.5	161.7	168.6	175.6	185.4
80°	105.9	105.9	107.3	107.3	111.5	115.7	122.7	126.8	135.2	140.8	140.8
82.5°	80.8	80.8	85.0	85.0	87.8	87.8	92.0	92.0	96.2	99.0	101.7
85°	57.1	58.5	61.3	59.9	62.7	61.3	64.1	66.9	68.3	66.9	65.5
87.5°	37.6	37.6	40.4	39.0	40.4	40.4	43.2	43.2	44.6	44.6	43.2
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3123.4	3102.5	3090.0	3074.6	3070.5	3066.3	3071.9	3071.9	3063.5	3056.5	3044.0
5°	3195.9	3173.6	3149.9	3124.8	3101.1	3076.0	3066.3	3064.9	3049.6	3041.2	3037.0
7.5°	3233.5	3222.4	3195.9	3161.1	3124.8	3080.2	3060.7	3049.6	3034.2	3031.4	3031.4
10°	3237.7	3225.2	3211.2	3186.1	3144.3	3085.8	3048.2	3025.9	3011.9	3021.7	3039.8
12.5°	3197.3	3221.0	3208.4	3191.7	3158.3	3087.2	3032.8	2999.4	2995.2	3020.3	3067.7
15°	3094.2	3163.8	3198.7	3182.0	3155.5	3084.4	3007.7	2968.7	2968.7	3020.3	3081.6
17.5°	3016.1	3070.5	3155.5	3169.4	3138.8	3078.8	2984.0	2938.1	2950.6	3025.9	3091.4
20°	2952.0	2985.4	3067.7	3145.7	3116.5	3066.3	2949.2	2901.8	2926.9	3017.5	3105.3
22.5°	2851.6	2918.5	2968.7	3084.4	3094.2	3042.6	2914.4	2857.2	2907.4	3017.5	3098.3
25°	2754.1	2834.9	2887.9	3000.8	3060.7	3013.3	2882.3	2809.8	2886.5	3013.3	3092.8
27.5°	2685.8	2723.4	2819.6	2900.4	3010.5	2974.3	2839.1	2758.3	2860.0	2991.0	3060.7
30°	2613.3	2638.4	2733.2	2809.8	2943.6	2929.7	2794.5	2701.1	2826.5	2970.1	2977.1
32.5°	2533.9	2561.7	2610.5	2722.0	2850.2	2887.9	2744.3	2644.0	2790.3	2938.1	2879.5
35°	2453.0	2473.9	2513.0	2632.8	2741.5	2825.2	2683.0	2578.5	2765.2	2889.3	2786.1
37.5°	2372.2	2394.5	2427.9	2528.3	2627.2	2766.6	2630.0	2513.0	2719.2	2802.9	2688.6
40°	2295.5	2308.1	2342.9	2405.6	2532.5	2706.7	2570.1	2444.7	2671.8	2692.7	2556.2
42.5°	2154.8	2217.5	2249.5	2299.7	2425.1	2624.5	2500.4	2372.2	2618.9	2582.6	2423.8
45°	2002.8	2139.4	2153.4	2203.5	2330.4	2536.6	2434.9	2301.1	2568.7	2487.9	2298.3
47.5°	1878.8	1977.7	2058.6	2100.4	2217.5	2433.5	2373.6	2241.2	2493.4	2368.0	2175.7
50°	1768.7	1821.6	1968.0	1998.7	2082.3	2309.5	2301.1	2171.5	2388.9	2217.5	2055.8
52.5°	1661.4	1699.0	1831.4	1896.9	1965.2	2175.7	2214.7	2103.2	2274.6	2066.9	1934.5
55°	1568.0	1580.5	1653.0	1791.0	1852.3	2040.5	2119.9	2023.7	2129.7	1923.4	1817.5
57.5°	1471.8	1460.7	1513.6	1690.6	1735.2	1902.5	2019.6	1942.9	2012.6	1777.0	1696.2
60°	1371.5	1356.1	1378.4	1495.5	1611.2	1765.9	1901.1	1853.7	1870.4	1632.1	1561.0
62.5°	1266.9	1251.6	1244.6	1318.5	1489.9	1625.1	1781.2	1754.7	1696.2	1499.7	1393.8
65°	1158.2	1142.9	1131.7	1161.0	1356.1	1442.5	1647.4	1640.5	1505.3	1360.3	1173.5
67.5°	352.6	1039.7	1016.1	1014.7	1142.9	1276.7	1502.5	1491.3	1312.9	1211.2	1010.5
70°	317.8	843.2	896.2	883.6	939.4	1108.0	1336.6	1328.3	1126.2	971.5	893.4
72.5°	291.3	298.3	791.7	777.7	790.3	942.2	1163.8	1141.5	954.7	766.6	772.1
75°	249.5	262.0	273.2	656.5	639.7	780.5	975.6	940.8	787.5	632.8	645.3
77.5°	203.5	218.8	227.2	478.1	517.1	556.1	779.1	733.1	542.2	505.9	241.1
80°	151.9	164.5	178.4	190.9	393.0	388.9	578.4	532.4	377.7	315.0	188.2
82.5°	111.5	115.7	124.0	138.0	156.1	260.6	372.1	327.5	262.0	143.6	129.6
85°	69.7	75.3	79.4	83.6	94.8	156.1	184.0	146.3	110.1	87.8	82.2
87.5°	44.6	44.6	43.2	44.6	46.0	55.8	62.7	59.9	47.4	44.6	44.6
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3030.0	3010.5	3010.5	3005.0	3009.1	3009.1	3007.7	3009.1	3018.9	3024.5	3034.2
5°	3028.6	3023.1	3035.6	3050.9	3069.1	3091.4	3096.9	3116.5	3134.6	3158.3	3183.4
7.5°	3046.8	3066.3	3090.0	3115.1	3151.3	3177.8	3201.5	3225.2	3241.9	3264.2	3278.1
10°	3073.2	3112.3	3152.7	3184.7	3223.8	3246.1	3261.4	3264.2	3240.5	3202.9	3172.2
12.5°	3110.9	3156.9	3194.5	3225.2	3243.3	3234.9	3190.3	3144.3	3117.8	3078.8	3024.5
15°	3142.9	3184.7	3223.8	3211.2	3162.4	3116.5	3081.6	3027.3	2974.3	2938.1	2914.4
17.5°	3156.9	3197.3	3183.4	3117.8	3071.9	3018.9	2947.8	2906.0	2871.2	2843.3	2829.3
20°	3165.2	3158.3	3083.0	3035.6	2946.4	2897.6	2851.6	2812.6	2786.1	2772.2	2769.4
22.5°	3142.9	3057.9	2993.8	2908.8	2843.3	2802.9	2766.6	2734.6	2716.4	2705.3	2698.3
25°	3069.1	2970.1	2875.3	2808.4	2752.7	2717.8	2690.0	2663.5	2641.2	2635.6	2621.7
27.5°	2965.9	2885.1	2759.6	2708.1	2659.3	2642.6	2611.9	2585.4	2565.9	2549.2	2504.6
30°	2880.9	2752.7	2662.1	2614.7	2585.4	2565.9	2531.1	2503.2	2469.7	2408.4	2383.3
32.5°	2776.4	2649.5	2563.1	2536.6	2500.4	2483.7	2444.7	2383.3	2331.8	2306.7	2305.3
35°	2641.2	2536.6	2473.9	2450.2	2421.0	2393.1	2312.3	2256.5	2231.4	2234.2	2255.1
37.5°	2528.3	2434.9	2394.5	2361.0	2327.6	2256.5	2188.2	2161.7	2168.7	2182.6	2192.4
40°	2414.0	2342.9	2296.9	2270.4	2195.2	2125.5	2089.2	2099.0	2111.5	2121.3	2133.9
42.5°	2302.5	2252.3	2206.3	2154.8	2051.6	2014.0	2022.3	2034.9	2046.0	2060.0	2072.5
45°	2196.6	2152.0	2099.0	1981.9	1930.4	1940.1	1952.7	1962.4	1979.1	1988.9	2001.4
47.5°	2096.2	2048.8	1955.4	1852.3	1846.7	1866.2	1877.4	1889.9	1902.5	1877.4	1035.6
50°	1983.3	1934.5	1792.4	1753.4	1765.9	1784.0	1798.0	1810.5	1612.6	641.1	493.4
52.5°	1871.8	1747.8	1657.2	1668.3	1680.9	1701.8	1711.5	1271.1	505.9	482.2	483.6
55°	1747.8	1588.9	1562.4	1576.3	1587.5	1608.4	1066.2	466.9	464.1	462.7	473.9
57.5°	1552.7	1456.5	1467.6	1481.6	1492.7	1053.7	454.4	451.6	453.0	454.4	455.8
60°	1378.4	1357.5	1370.1	1382.6	978.4	439.0	430.7	432.1	437.6	433.5	422.3
62.5°	1240.4	1257.2	1269.7	1112.2	416.7	412.6	416.7	412.6	402.8	395.8	381.9
65°	1134.5	1151.2	1161.0	391.6	390.3	395.8	391.6	377.7	362.4	342.9	338.7
67.5°	1023.0	1039.7	372.1	362.4	368.0	361.0	344.3	327.5	316.4	299.7	292.7
70°	907.3	388.9	337.3	335.9	326.1	315.0	296.9	280.1	266.2	259.2	252.3
72.5°	655.1	308.0	303.8	292.7	276.0	260.6	245.3	235.5	228.6	224.4	220.2
75°	273.2	267.6	255.1	235.5	218.8	211.9	200.7	193.7	190.9	182.6	179.8
77.5°	228.6	217.4	199.3	185.4	175.6	171.4	163.1	154.7	150.5	149.1	143.6
80°	175.6	160.3	151.9	145.0	142.2	132.4	122.7	118.5	115.7	114.3	110.1
82.5°	119.9	114.3	108.7	99.0	99.0	94.8	90.6	87.8	85.0	85.0	82.2
85°	78.1	73.9	72.5	68.3	68.3	65.5	64.1	62.7	61.3	59.9	58.5
87.5°	44.6	44.6	46.0	44.6	44.6	43.2	41.8	40.4	39.0	39.0	36.2
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3046.8	3060.7	3063.5	3110.9	3137.4	3136.0	3127.6	3152.7	3137.4	3129.0	3137.4
5°	3208.4	3225.2	3239.1	3290.7	3308.8	3317.2	3315.8	3329.7	3318.5	3308.8	3308.8
7.5°	3287.9	3293.5	3299.0	3286.5	3278.1	3264.2	3243.3	3212.6	3197.3	3180.6	3159.7
10°	3156.9	3138.8	3145.7	3120.6	3099.7	3084.4	3064.9	3039.8	3018.9	3003.6	2979.9
12.5°	2996.6	2995.2	2998.0	3002.2	2981.3	2968.7	2953.4	2935.3	2919.9	2903.2	2883.7
15°	2899.0	2900.4	2911.6	2907.4	2900.4	2893.5	2876.7	2871.2	2857.2	2839.1	2827.9
17.5°	2829.3	2836.3	2847.5	2841.9	2830.7	2823.8	2811.2	2798.7	2786.1	2772.2	2755.5
20°	2768.0	2775.0	2781.9	2775.0	2754.1	2744.3	2727.6	2688.6	2660.7	2632.8	2607.7
22.5°	2701.1	2705.3	2699.7	2677.4	2624.5	2599.4	2579.9	2568.7	2545.0	2529.7	2514.3
25°	2617.5	2593.8	2557.6	2532.5	2511.6	2500.4	2492.0	2490.7	2487.9	2485.1	2478.1
27.5°	2480.9	2472.5	2453.0	2443.3	2444.7	2448.8	2450.2	2454.4	2450.2	2444.7	2439.1
30°	2379.2	2383.3	2384.7	2387.5	2394.5	2398.7	2400.1	2405.6	2402.8	2398.7	2395.9
32.5°	2315.0	2324.8	2330.4	2338.7	2342.9	2349.9	2349.9	2358.2	2349.9	2348.5	2345.7
35°	2262.1	2270.4	2273.2	2285.8	2290.0	2296.9	2296.9	2303.9	2296.9	2225.8	1757.5
37.5°	2209.1	2217.5	2223.1	2234.2	2235.6	2239.8	2066.9	1512.2	975.6	755.4	577.0
40°	2146.4	2156.2	2161.7	2165.9	1522.0	965.9	664.8	540.8	540.8	545.0	549.1
42.5°	2079.5	2086.5	1453.7	846.0	526.8	525.4	529.6	533.8	538.0	543.6	549.1
45°	1634.9	825.1	524.1	511.5	515.7	521.3	526.8	532.4	539.4	545.0	547.7
47.5°	536.6	503.1	510.1	504.5	511.5	518.5	524.1	529.6	531.0	532.4	531.0
50°	496.2	496.2	500.4	500.4	505.9	508.7	508.7	508.7	503.1	501.8	497.6
52.5°	479.5	490.6	485.0	487.8	485.0	480.8	476.7	472.5	464.1	461.3	455.8
55°	471.1	475.3	461.3	457.2	451.6	440.4	434.9	429.3	422.3	419.5	412.6
57.5°	451.6	441.8	426.5	419.5	409.8	398.6	393.0	388.9	381.9	379.1	374.9
60°	415.3	395.8	386.1	377.7	366.6	356.8	352.6	349.8	344.3	342.9	338.7
62.5°	370.7	354.0	345.7	334.5	326.1	320.6	316.4	315.0	309.4	309.4	306.6
65°	322.0	313.6	306.6	295.5	291.3	285.7	284.3	282.9	280.1	278.8	276.0
67.5°	282.9	277.4	267.6	262.0	259.2	255.1	252.3	249.5	243.9	241.1	236.9
70°	248.1	243.9	234.2	230.0	224.4	217.4	213.2	210.5	206.3	203.5	199.3
72.5°	214.6	202.1	195.1	190.9	186.8	179.8	178.4	175.6	171.4	170.0	165.9
75°	172.8	163.1	158.9	156.1	151.9	147.7	147.7	147.7	143.6	142.2	140.8
77.5°	138.0	132.4	129.6	126.8	125.4	122.7	118.5	117.1	112.9	112.9	111.5
80°	105.9	103.1	100.4	99.0	97.6	94.8	92.0	90.6	86.4	86.4	85.0
82.5°	78.1	76.7	75.3	73.9	72.5	71.1	66.9	65.5	62.7	62.7	61.3
85°	55.8	54.4	51.6	50.2	50.2	48.8	44.6	43.2	40.4	40.4	40.4
87.5°	34.8	33.5	32.1	30.7	29.3	27.9	25.1	23.7	23.7	20.9	19.5
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3120.6	3144.3	3141.5	3158.3	3162.4	3170.8	3173.6	3175.0	3154.1	3170.8	3172.2
5°	3304.6	3308.8	3311.6	3318.5	3325.5	3326.9	3319.9	3311.6	3314.4	3308.8	3294.9
7.5°	3156.9	3136.0	3131.8	3126.2	3123.4	3120.6	3108.1	3119.2	3106.7	3101.1	3081.6
10°	2975.7	2956.2	2954.8	2954.8	2959.0	2957.6	2954.8	2949.2	2960.4	2953.4	2949.2
12.5°	2880.9	2873.9	2878.1	2875.3	2886.5	2889.3	2886.5	2886.5	2883.7	2878.1	2880.9
15°	2823.8	2818.2	2822.4	2818.2	2826.5	2827.9	2821.0	2825.2	2818.2	2811.2	2808.4
17.5°	2748.5	2736.0	2726.2	2712.3	2713.7	2710.9	2702.5	2702.5	2695.5	2677.4	2678.8
20°	2603.5	2591.0	2585.4	2585.4	2592.4	2595.2	2593.8	2596.6	2589.6	2586.8	2575.7
22.5°	2513.0	2511.6	2514.3	2521.3	2532.5	2547.8	2549.2	2549.2	2549.2	2547.8	2533.9
25°	2480.9	2480.9	2483.7	2493.4	2501.8	2513.0	2515.7	2518.5	2515.7	2515.7	2503.2
27.5°	2444.7	2441.9	2447.4	2457.2	2467.0	2475.3	2482.3	2483.7	2479.5	2479.5	2483.7
30°	2400.1	2398.7	2405.6	2415.4	2423.8	2432.1	2439.1	2444.7	2439.1	2439.1	2434.9
32.5°	2354.1	2354.1	2356.9	2298.3	2131.1	1919.2	1923.4	1800.7	1715.7	1608.4	1750.6
35°	1469.0	1069.0	918.5	777.7	678.8	614.6	613.3	592.3	582.6	575.6	574.2
37.5°	554.7	557.5	563.1	565.9	570.0	572.8	574.2	574.2	574.2	574.2	572.8
40°	553.3	558.9	563.1	567.3	571.4	574.2	574.2	575.6	577.0	577.0	577.0
42.5°	554.7	560.3	565.9	570.0	572.8	574.2	575.6	577.0	577.0	577.0	577.0
45°	553.3	556.1	556.1	557.5	557.5	557.5	558.9	558.9	557.5	556.1	558.9
47.5°	532.4	532.4	528.2	526.8	525.4	522.7	524.1	522.7	521.3	519.9	522.7
50°	496.2	490.6	487.8	485.0	483.6	480.8	482.2	480.8	479.5	476.7	480.8
52.5°	453.0	451.6	446.0	443.2	441.8	443.2	440.4	439.0	437.6	436.2	437.6
55°	411.2	405.6	404.2	401.4	400.0	401.4	400.0	398.6	397.2	395.8	397.2
57.5°	373.5	369.3	368.0	365.2	365.2	365.2	365.2	363.8	362.4	361.0	362.4
60°	337.3	334.5	333.1	333.1	331.7	331.7	331.7	330.3	328.9	328.9	330.3
62.5°	306.6	306.6	302.4	301.1	301.1	302.4	301.1	299.7	298.3	296.9	299.7
65°	274.6	269.0	267.6	264.8	262.0	263.4	262.0	260.6	259.2	257.8	260.6
67.5°	235.5	234.2	228.6	225.8	224.4	225.8	224.4	223.0	221.6	220.2	223.0
70°	197.9	197.9	192.3	190.9	189.6	189.6	188.2	188.2	186.8	185.4	188.2
72.5°	164.5	164.5	163.1	160.3	158.9	157.5	156.1	154.7	154.7	156.1	156.1
75°	136.6	133.8	128.2	129.6	128.2	126.8	126.8	125.4	124.0	126.8	125.4
77.5°	107.3	105.9	101.7	103.1	101.7	100.4	100.4	99.0	97.6	99.0	99.0
80°	80.8	80.8	79.4	78.1	78.1	76.7	75.3	75.3	73.9	75.3	75.3
82.5°	58.5	58.5	57.1	55.8	54.4	54.4	53.0	53.0	53.0	53.0	53.0
85°	37.6	36.2	36.2	33.5	33.5	33.5	32.1	32.1	32.1	32.1	32.1
87.5°	18.1	18.1	16.7	16.7	15.3	13.9	13.9	12.5	12.5	13.9	13.9
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3147.1	3165.2	3149.9	3156.9	3158.3	3182.0	3180.6	3186.1	3176.4	3165.2	3149.9
5°	3307.4	3299.0	3287.9	3314.4	3300.4	3317.2	3322.7	3333.9	3333.9	3332.5	3319.9
7.5°	3102.5	3084.4	3098.3	3108.1	3112.3	3101.1	3123.4	3148.5	3169.4	3182.0	3183.4
10°	2942.2	2947.8	2946.4	2950.6	2960.4	2959.0	2972.9	2986.8	2992.4	3000.8	3003.6
12.5°	2867.0	2865.6	2868.4	2878.1	2883.7	2882.3	2896.2	2904.6	2907.4	2908.8	2907.4
15°	2807.0	2797.3	2804.2	2805.6	2809.8	2809.8	2826.5	2839.1	2844.7	2847.5	2844.7
17.5°	2694.1	2670.4	2692.7	2692.7	2708.1	2705.3	2731.8	2752.7	2763.8	2772.2	2772.2
20°	2582.6	2571.5	2579.9	2577.1	2588.2	2586.8	2603.5	2617.5	2627.2	2634.2	2642.6
22.5°	2538.0	2540.8	2528.3	2529.7	2529.7	2528.3	2536.6	2543.6	2546.4	2550.6	2547.8
25°	2508.8	2511.6	2507.4	2500.4	2497.6	2500.4	2504.6	2513.0	2514.3	2511.6	2501.8
27.5°	2479.5	2471.1	2478.1	2465.6	2462.8	2468.4	2473.9	2475.3	2476.7	2476.7	2468.4
30°	2434.9	2427.9	2434.9	2429.3	2423.8	2429.3	2433.5	2433.5	2436.3	2437.7	2427.9
32.5°	1701.8	1715.7	1941.5	2078.1	2270.4	2368.0	2386.1	2386.1	2388.9	2388.9	2380.5
35°	579.8	581.2	628.6	681.5	794.4	933.8	1116.4	1211.2	1531.7	1915.0	2285.8
37.5°	572.8	571.4	570.0	568.7	567.3	565.9	563.1	561.7	570.0	676.0	917.1
40°	575.6	574.2	571.4	570.0	568.7	565.9	564.5	561.7	558.9	556.1	553.3
42.5°	575.6	574.2	572.8	571.4	570.0	568.7	565.9	563.1	560.3	556.1	551.9
45°	556.1	556.1	557.5	557.5	558.9	558.9	558.9	557.5	557.5	556.1	550.5
47.5°	519.9	519.9	524.1	524.1	526.8	529.6	529.6	532.4	536.6	539.4	540.8
50°	478.1	478.1	482.2	483.6	486.4	490.6	494.8	496.2	500.4	505.9	511.5
52.5°	436.2	436.2	440.4	440.4	443.2	447.4	451.6	453.0	458.5	464.1	471.1
55°	397.2	397.2	400.0	401.4	402.8	405.6	409.8	409.8	415.3	419.5	426.5
57.5°	362.4	365.2	365.2	365.2	366.6	369.3	372.1	372.1	376.3	380.5	386.1
60°	328.9	331.7	331.7	331.7	333.1	334.5	337.3	337.3	340.1	342.9	348.4
62.5°	298.3	301.1	301.1	302.4	302.4	303.8	306.6	305.2	308.0	309.4	313.6
65°	259.2	262.0	263.4	264.8	266.2	269.0	273.2	271.8	276.0	278.8	282.9
67.5°	221.6	224.4	224.4	225.8	227.2	230.0	232.8	232.8	236.9	239.7	245.3
70°	186.8	189.6	189.6	190.9	192.3	195.1	197.9	196.5	200.7	203.5	207.7
72.5°	154.7	157.5	157.5	158.9	158.9	161.7	164.5	167.3	167.3	170.0	172.8
75°	125.4	126.8	128.2	128.2	129.6	131.0	133.8	136.6	138.0	139.4	142.2
77.5°	99.0	100.4	101.7	101.7	103.1	104.5	105.9	111.5	114.3	115.7	115.7
80°	75.3	76.7	76.7	76.7	78.1	79.4	82.2	82.2	87.8	87.8	89.2
82.5°	53.0	54.4	54.4	54.4	55.8	58.5	59.9	61.3	64.1	65.5	65.5
85°	32.1	33.5	33.5	33.5	34.8	36.2	39.0	40.4	41.8	41.8	43.2
87.5°	12.5	13.9	15.3	15.3	16.7	18.1	19.5	20.9	22.3	22.3	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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3133.2	3142.9	3133.2	3138.8	3145.7	3133.2	3103.9	3092.8	3088.6	3071.9	3060.7
5°	3307.4	3307.4	3303.2	3314.4	3313.0	3293.5	3262.8	3248.9	3234.9	3216.8	3202.9
7.5°	3183.4	3194.5	3201.5	3244.7	3272.6	3275.3	3294.9	3299.0	3304.6	3299.0	3290.7
10°	3005.0	3000.8	3020.3	3060.7	3084.4	3096.9	3134.6	3152.7	3168.0	3198.7	3230.7
12.5°	2904.6	2910.2	2918.5	2947.8	2970.1	2964.5	2979.9	2992.4	3010.5	3041.2	3087.2
15°	2837.7	2843.3	2851.6	2873.9	2887.9	2880.9	2889.3	2897.6	2910.2	2925.5	2953.4
17.5°	2765.2	2775.0	2784.7	2808.4	2821.0	2819.6	2826.5	2829.3	2833.5	2843.3	2862.8
20°	2652.3	2683.0	2702.5	2734.6	2752.7	2749.9	2762.4	2766.6	2772.2	2781.9	2790.3
22.5°	2549.2	2557.6	2567.3	2602.2	2632.8	2670.4	2678.8	2690.0	2703.9	2713.7	2722.0
25°	2490.7	2485.1	2489.3	2513.0	2529.7	2532.5	2545.0	2581.2	2618.9	2635.6	2655.1
27.5°	2455.8	2450.2	2448.8	2460.0	2462.8	2455.8	2453.0	2464.2	2492.0	2519.9	2578.5
30°	2418.2	2411.2	2405.6	2415.4	2419.6	2409.8	2391.7	2381.9	2398.7	2405.6	2429.3
32.5°	2373.6	2366.6	2363.8	2369.4	2372.2	2363.8	2344.3	2333.2	2330.4	2324.8	2330.4
35°	2323.4	2316.4	2312.3	2313.6	2319.2	2312.3	2295.5	2281.6	2274.6	2259.3	2248.1
37.5°	1197.2	1696.2	2202.1	2255.1	2260.7	2259.3	2242.6	2227.2	2220.3	2202.1	2196.6
40°	547.7	611.9	918.5	1200.0	1731.1	2199.4	2184.0	2168.7	2156.2	2150.6	2129.7
42.5°	546.4	547.7	549.1	542.2	671.8	1144.3	1689.2	2108.8	2100.4	2086.5	2071.1
45°	546.4	539.4	545.0	536.6	539.4	538.0	670.4	1081.6	1924.8	2011.2	2004.2
47.5°	540.8	536.6	542.2	535.2	526.8	531.0	525.4	532.4	830.7	1409.1	1930.4
50°	515.7	518.5	528.2	526.8	519.9	525.4	515.7	524.1	517.1	567.3	1092.7
52.5°	478.1	483.6	493.4	501.8	504.5	511.5	508.7	511.5	505.9	507.3	508.7
55°	433.5	440.4	448.8	461.3	466.9	478.1	486.4	490.6	497.6	496.2	485.0
57.5°	391.6	398.6	405.6	418.1	430.7	436.2	451.6	459.9	478.1	473.9	471.1
60°	352.6	358.2	365.2	368.0	383.3	393.0	407.0	415.3	439.0	444.6	453.0
62.5°	317.8	320.6	326.1	330.3	340.1	349.8	356.8	370.7	383.3	401.4	413.9
65°	285.7	288.5	292.7	295.5	296.9	310.8	315.0	330.3	334.5	354.0	365.2
67.5°	249.5	255.1	260.6	263.4	266.2	274.6	277.4	284.3	294.1	302.4	316.4
70°	211.9	216.0	221.6	225.8	231.4	236.9	245.3	249.5	256.5	262.0	273.2
72.5°	177.0	181.2	184.0	188.2	192.3	196.5	203.5	213.2	218.8	228.6	231.4
75°	143.6	147.7	150.5	153.3	157.5	160.3	163.1	172.8	178.4	186.8	195.1
77.5°	118.5	118.5	121.3	129.6	128.2	128.2	131.0	136.6	140.8	146.3	154.7
80°	92.0	93.4	94.8	101.7	103.1	104.5	103.1	107.3	111.5	112.9	118.5
82.5°	68.3	69.7	69.7	73.9	78.1	78.1	78.1	79.4	83.6	85.0	87.8
85°	46.0	47.4	48.8	50.2	53.0	54.4	55.8	55.8	58.5	59.9	61.3
87.5°	25.1	27.9	29.3	30.7	32.1	33.5	34.8	36.2	37.6	39.0	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



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2	3041.2
2.5°	3056.5	3049.6	3045.4	3034.2	3031.4	3013.3	3016.1	3013.3	3013.3	3017.5	3031.4
5°	3187.5	3154.1	3145.7	3122.0	3102.5	3069.1	3048.2	3037.0	3020.3	3013.3	3023.1
7.5°	3276.7	3251.6	3230.7	3209.8	3182.0	3142.9	3113.7	3080.2	3052.3	3025.9	3018.9
10°	3261.4	3289.3	3289.3	3276.7	3250.3	3211.2	3176.4	3134.6	3085.8	3044.0	3018.9
12.5°	3131.8	3180.6	3219.6	3248.9	3275.3	3248.9	3214.0	3180.6	3126.2	3064.9	3018.9
15°	2989.6	3039.8	3088.6	3149.9	3214.0	3240.5	3239.1	3200.1	3151.3	3087.2	3023.1
17.5°	2889.3	2924.1	2950.6	3017.5	3095.5	3163.8	3209.8	3212.6	3165.2	3108.1	3024.5
20°	2814.0	2839.1	2861.4	2899.0	2967.3	3050.9	3136.0	3183.4	3175.0	3112.3	3028.6
22.5°	2745.7	2763.8	2781.9	2809.8	2864.2	2918.5	3017.5	3115.1	3156.9	3105.3	3024.5
25°	2677.4	2696.9	2710.9	2730.4	2773.6	2818.2	2887.9	3009.1	3102.5	3099.7	3016.1
27.5°	2596.6	2623.1	2639.8	2666.3	2695.5	2729.0	2776.4	2890.7	3024.5	3071.9	2993.8
30°	2499.0	2538.0	2563.1	2592.4	2617.5	2646.8	2684.4	2754.1	2919.9	3017.5	2970.1
32.5°	2358.2	2427.9	2483.7	2511.6	2539.4	2564.5	2598.0	2656.5	2791.7	2943.6	2943.6
35°	2257.9	2290.0	2340.1	2421.0	2455.8	2480.9	2511.6	2557.6	2644.0	2855.8	2900.4
37.5°	2179.8	2192.4	2217.5	2296.9	2362.4	2402.8	2433.5	2462.8	2547.8	2736.0	2844.7
40°	2121.3	2117.1	2114.3	2152.0	2245.4	2309.5	2344.3	2373.6	2439.1	2592.4	2770.8
42.5°	2053.0	2048.8	2034.9	2044.6	2090.6	2198.0	2250.9	2283.0	2337.3	2441.9	2690.0
45°	1981.9	1975.0	1969.4	1959.6	1976.4	2036.3	2145.0	2192.4	2223.1	2316.4	2588.2
47.5°	1909.5	1899.7	1892.7	1884.4	1874.6	1902.5	2005.6	2090.6	2143.6	2202.1	2465.6
50°	1806.3	1818.9	1810.5	1800.7	1792.4	1786.8	1830.0	1969.4	2034.9	2082.3	2316.4
52.5°	851.6	1655.8	1725.5	1715.7	1704.6	1694.8	1704.6	1810.5	1929.0	1966.6	2136.6
55°	485.0	737.3	1534.5	1622.3	1612.6	1598.6	1590.3	1626.5	1803.5	1853.7	1972.2
57.5°	466.9	468.3	677.4	1462.1	1516.4	1503.9	1494.1	1502.5	1653.0	1738.0	1828.6
60°	451.6	451.6	451.6	646.7	1397.9	1402.1	1389.6	1375.6	1441.2	1608.4	1683.7
62.5°	418.1	426.5	430.7	430.7	638.3	1294.8	1282.3	1278.1	1280.9	1452.3	1538.7
65°	374.9	394.4	402.8	408.4	408.4	670.4	1172.2	1165.2	1155.4	1220.9	1392.4
67.5°	327.5	347.0	365.2	376.3	377.7	390.3	699.7	1049.5	1035.6	1037.0	1236.3
70°	278.8	295.5	315.0	331.7	347.0	354.0	365.2	871.1	917.1	897.6	1059.3
72.5°	241.1	248.1	262.0	278.8	296.9	313.6	323.4	347.0	795.8	774.9	805.6
75°	200.7	206.3	216.0	227.2	241.1	260.6	277.4	294.1	422.3	649.5	645.3
77.5°	156.1	165.9	177.0	184.0	190.9	204.9	227.2	243.9	260.6	439.0	517.1
80°	119.9	126.8	132.4	139.4	147.7	157.5	165.9	185.4	204.9	220.2	395.8
82.5°	89.2	93.4	97.6	100.4	103.1	108.7	124.0	131.0	143.6	157.5	186.8
85°	62.7	65.5	68.3	69.7	71.1	72.5	78.1	79.4	92.0	94.8	112.9
87.5°	40.4	41.8	44.6	46.0	46.0	47.4	48.8	48.8	48.8	46.0	55.8
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-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3041.2	3041.2
2.5°	3042.6	3064.9
5°	3038.4	3067.7
7.5°	3027.3	3055.1
10°	3010.5	3044.0
12.5°	2992.4	3024.5
15°	2977.1	3000.8
17.5°	2960.4	2974.3
20°	2938.1	2949.2
22.5°	2915.8	2910.2
25°	2890.7	2878.1
27.5°	2858.6	2834.9
30°	2829.3	2787.5
32.5°	2801.5	2733.2
35°	2763.8	2677.4
37.5°	2724.8	2620.3
40°	2678.8	2554.8
42.5°	2630.0	2489.3
45°	2568.7	2426.5
47.5°	2514.3	2351.3
50°	2439.1	2270.4
52.5°	2347.1	2195.2
55°	2238.4	2103.2
57.5°	2121.3	2007.0
60°	1995.9	1896.9
62.5°	1843.9	1782.6
65°	1665.5	1651.6
67.5°	1432.8	1506.7
70°	1174.9	1340.8
72.5°	982.6	1165.2
75°	805.6	968.7
77.5°	638.3	759.6
80°	398.6	556.1
82.5°	267.6	365.2
85°	161.7	174.2
87.5°	62.7	64.1
90°	0.0	0.0

(END OF REPORT)