

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

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-79SL-RW-UNV-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-LD5-79SL-RW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

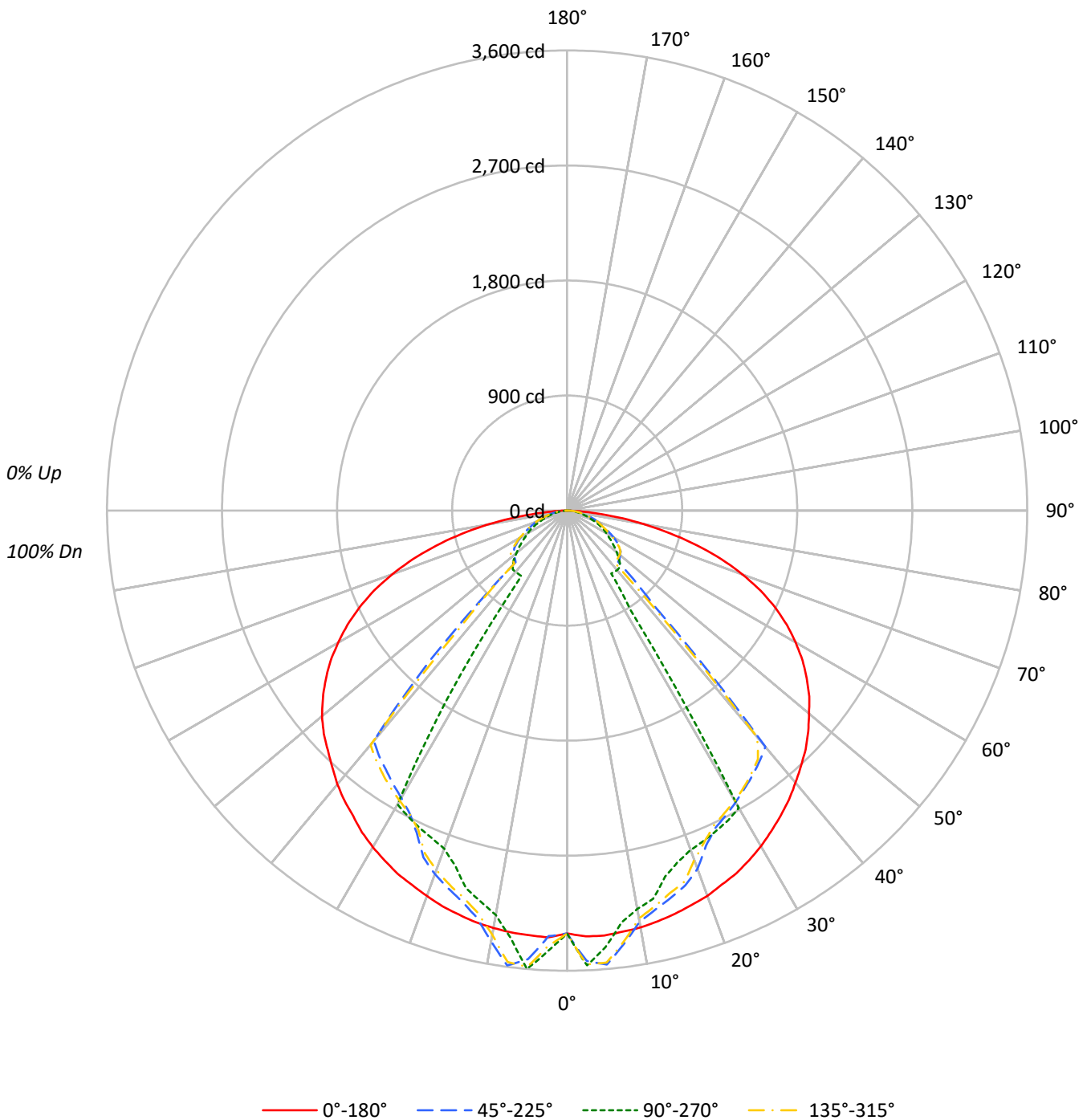
Lumens per Lamp: N/A
Luminaire Lumens: 6625.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#
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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	
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°	13368	13368	13368	13368
5°	13517	13468	13511	14135
10°	13549	12177	13567	12363
15°	13598	11266	13630	11623
20°	13717	10686	13717	10646
25°	13858	10481	13878	10383
30°	14021	10297	14057	10175
35°	14211	2345	14241	2446
40°	14469	2439	14556	2518
45°	14852	2425	14903	2514
50°	15242	2193	15448	2252
55°	15766	1947	15891	1975
60°	16237	1730	16272	1752
65°	16621	1510	16579	1486
70°	16522	1217	16470	1173
75°	15545	936	15655	897
80°	12931	666	13449	609
85°	7454	399	7871	306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.5	4.9
10°-20°	895.0	13.5
20°-30°	1325.6	20.0
30°-40°	1335.7	20.2
40°-50°	1043.4	15.7
50°-60°	805.9	12.2
60°-70°	541.1	8.2
70°-80°	276.0	4.2
80°-90°	76.8	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°	2546.1	38.4
0°-40°	3881.8	58.6
0°-60°	5731.1	86.5
0°-90°	6625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6625.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3308	3308	3308	3308	3308	
5°	3337	3430	3336	3600	3337	317
15°	3264	2964	3272	3058	3264	923
25°	3131	2762	3136	2737	3131	1444
35°	2913	600	2919	626	2913	1825
45°	2640	584	2649	605	2640	2035
55°	2288	424	2306	431	2288	2043
65°	1797	285	1792	280	1797	1767
75°	1054	144	1061	138	1054	1102
85°	190	46	200	35	190	261
90°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3334.1	3346.3	3355.4	3361.4	3364.5	3364.5	3366.0	3367.5	3387.2	3396.3	3402.4
5°	3337.2	3349.3	3367.5	3391.7	3413.0	3431.2	3446.3	3467.6	3488.8	3511.5	3519.1
7.5°	3323.5	3338.7	3375.1	3419.0	3460.0	3488.8	3508.5	3522.1	3532.8	3534.3	3541.8
10°	3311.4	3338.7	3388.7	3446.3	3497.9	3532.8	3532.8	3525.2	3535.8	3494.8	3453.9
12.5°	3290.2	3320.5	3388.7	3464.5	3513.0	3526.7	3520.6	3490.3	3428.1	3378.1	3355.4
15°	3264.4	3305.3	3390.2	3475.1	3516.1	3520.6	3463.0	3385.7	3338.7	3308.4	3270.4
17.5°	3235.6	3290.2	3391.7	3476.7	3491.8	3470.6	3361.4	3312.9	3264.4	3193.1	3141.6
20°	3208.3	3261.4	3379.6	3455.4	3464.5	3369.0	3284.1	3232.5	3150.7	3088.5	3065.8
22.5°	3165.8	3228.0	3369.0	3426.6	3391.7	3281.1	3199.2	3117.3	3043.0	3024.8	2997.5
25°	3131.0	3196.2	3344.7	3391.7	3299.3	3200.7	3105.2	3009.7	2974.8	2949.0	2924.8
27.5°	3084.0	3164.3	3312.9	3328.1	3200.7	3114.3	2974.8	2932.3	2900.5	2871.7	2861.1
30°	3032.4	3131.0	3268.9	3240.1	3118.8	2991.5	2888.4	2848.9	2826.2	2795.9	2783.7
32.5°	2973.3	3080.9	3220.4	3138.5	3030.9	2871.7	2805.0	2774.7	2744.3	2721.6	2645.8
35°	2912.6	3037.0	3162.8	3041.5	2924.8	2780.7	2721.6	2694.3	2665.5	2582.1	2503.3
37.5°	2850.5	2988.4	3093.1	2936.9	2783.7	2686.7	2636.7	2606.4	2541.2	2435.0	2395.6
40°	2779.2	2929.3	3003.6	2829.2	2660.9	2591.2	2544.2	2513.9	2366.8	2319.8	2307.7
42.5°	2707.9	2871.7	2894.4	2724.6	2559.4	2489.6	2450.2	2350.1	2250.0	2225.8	2230.3
45°	2639.7	2809.5	2774.7	2576.0	2453.2	2395.6	2328.9	2190.9	2137.8	2150.0	2153.0
47.5°	2557.8	2735.2	2648.8	2427.4	2344.0	2286.4	2137.8	2054.5	2046.9	2063.6	2072.6
50°	2469.9	2651.8	2515.4	2292.5	2225.8	2157.6	1989.3	1946.8	1955.9	1972.6	1983.2
52.5°	2388.0	2557.8	2377.4	2166.7	2109.0	1952.9	1839.2	1846.7	1861.9	1881.6	1887.7
55°	2288.0	2444.1	2230.3	2039.3	1984.7	1780.0	1728.5	1746.7	1761.8	1778.5	1790.6
57.5°	2183.3	2313.7	2056.0	1896.8	1808.8	1626.9	1631.4	1643.6	1654.2	1673.9	691.4
60°	2063.6	2165.1	1864.9	1764.9	1590.5	1505.6	1510.1	1531.4	1542.0	861.2	476.1
62.5°	1939.2	1992.3	1692.1	1614.8	1390.4	1384.3	1405.5	1414.6	962.8	454.9	445.8
65°	1796.7	1786.1	1522.3	1399.5	1253.9	1260.0	1282.7	1237.2	426.1	426.1	423.0
67.5°	1639.0	1575.3	1357.0	1158.4	1122.0	1135.6	1159.9	404.8	394.2	397.2	386.6
70°	1458.6	1369.1	1185.7	981.0	993.1	1006.8	391.2	366.9	362.4	354.8	333.6
72.5°	1267.5	1144.7	970.4	852.1	859.7	539.8	342.7	330.5	315.4	300.2	277.5
75°	1053.8	894.6	712.6	712.6	723.2	307.8	298.7	279.0	262.3	242.6	228.9
77.5°	826.3	688.4	553.4	574.6	280.5	257.8	241.1	219.8	206.2	194.1	186.5
80°	605.0	480.6	417.0	373.0	218.3	195.6	178.9	166.8	160.7	153.1	144.0
82.5°	397.2	289.6	289.6	175.9	153.1	134.9	130.4	121.3	115.2	110.7	106.1
85°	189.5	168.3	127.4	107.7	95.5	86.4	83.4	78.8	78.8	77.3	75.8
87.5°	69.7	75.8	56.1	54.6	51.6	50.0	51.6	51.6	53.1	51.6	50.0
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3417.5	3429.7	3438.7	3453.9	3473.6	3490.3	3505.5	3526.7	3560.0	3569.1	3576.7
5°	3519.1	3523.7	3534.3	3546.4	3549.4	3557.0	3555.5	3564.6	3569.1	3579.8	3557.0
7.5°	3525.2	3500.9	3472.1	3446.3	3428.1	3411.5	3400.8	3417.5	3426.6	3434.2	3411.5
10°	3397.8	3369.0	3352.3	3337.2	3319.0	3293.2	3258.3	3265.9	3262.9	3262.9	3255.3
12.5°	3317.5	3276.5	3234.1	3196.2	3179.5	3178.0	3179.5	3196.2	3196.2	3194.6	3185.5
15°	3191.6	3152.2	3131.0	3121.9	3121.9	3117.3	3117.3	3135.5	3131.0	3131.0	3126.4
17.5°	3108.2	3080.9	3065.8	3055.1	3050.6	3058.2	3067.3	3074.9	3076.4	3070.3	3046.1
20°	3040.0	3014.2	2996.0	2999.0	2997.5	3002.1	3006.6	2980.9	2949.0	2906.6	2886.9
22.5°	2968.7	2949.0	2935.4	2935.4	2917.2	2888.4	2845.9	2836.8	2832.3	2812.6	2795.9
25°	2900.5	2877.8	2858.0	2797.4	2759.5	2764.0	2756.5	2741.3	2739.8	2738.3	2744.3
27.5°	2832.3	2773.1	2697.3	2688.2	2673.1	2671.5	2680.6	2688.2	2688.2	2694.3	2701.9
30°	2691.3	2623.0	2609.4	2592.7	2598.8	2620.0	2624.5	2635.2	2638.2	2648.8	2654.9
32.5°	2562.4	2532.1	2519.9	2527.5	2547.2	2565.4	2576.0	2580.6	2588.2	2597.3	2604.8
35°	2457.8	2448.7	2459.3	2476.0	2495.7	2510.8	2519.9	2529.0	2536.6	2544.2	2550.3
37.5°	2380.4	2386.5	2401.7	2422.9	2442.6	2454.7	2462.3	2472.9	2483.5	2492.6	2456.2
40°	2307.7	2322.8	2339.5	2362.2	2378.9	2391.1	2398.6	2412.3	2321.3	1050.7	576.2
42.5°	2244.0	2260.7	2272.8	2291.0	2309.2	2318.3	2251.6	1005.2	568.6	565.5	573.1
45°	2166.7	2180.3	2200.0	2213.7	2230.3	1464.7	559.5	565.5	556.4	562.5	565.5
47.5°	2087.8	2109.0	2119.7	2022.6	601.9	556.4	550.4	556.4	550.4	558.0	553.4
50°	1998.4	2024.1	1440.4	544.3	539.8	536.7	542.8	539.8	544.3	550.4	538.3
52.5°	1907.4	1181.1	527.6	524.6	527.6	524.6	535.2	527.6	529.2	523.1	507.9
55°	645.9	511.0	506.4	504.9	514.0	514.0	514.0	501.9	494.3	479.1	468.5
57.5°	494.3	494.3	492.8	494.3	491.2	488.2	474.6	464.0	453.3	432.1	426.1
60°	468.5	468.5	468.5	468.5	454.9	448.8	427.6	418.5	400.3	389.7	383.6
62.5°	447.3	444.2	430.6	426.1	410.9	394.2	382.1	373.0	354.8	348.7	344.2
65°	417.0	406.3	389.7	371.5	363.9	345.7	339.6	326.0	316.9	312.3	309.3
67.5°	366.9	351.8	338.1	326.0	312.3	306.3	298.7	288.1	282.0	279.0	275.9
70°	313.9	303.2	289.6	282.0	272.9	268.4	257.8	254.7	250.2	245.6	241.1
72.5°	262.3	256.2	250.2	239.6	236.5	233.5	222.9	216.8	210.8	204.7	201.7
75°	219.8	215.3	212.3	203.2	198.6	189.5	181.9	177.4	172.8	168.3	165.3
77.5°	180.4	177.4	168.3	162.2	159.2	151.6	148.6	150.1	147.1	141.0	138.0
80°	141.0	138.0	130.4	130.4	127.4	124.3	121.3	118.3	115.2	110.7	107.7
82.5°	107.7	104.6	101.6	98.6	95.5	94.0	92.5	89.5	86.4	83.4	81.9
85°	75.8	74.3	72.8	71.3	69.7	68.2	66.7	63.7	60.6	59.1	57.6
87.5°	51.6	50.0	48.5	47.0	45.5	44.0	42.5	40.9	37.9	36.4	34.9
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°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3576.7	3584.3	3576.7	3560.0	3549.4	3544.9	3554.0	3554.0	3560.0	3567.6	3569.1
5°	3520.6	3502.4	3481.2	3460.0	3449.4	3443.3	3426.6	3429.7	3434.2	3437.2	3440.3
7.5°	3381.1	3356.9	3328.1	3300.8	3290.2	3281.1	3261.4	3261.4	3261.4	3262.9	3272.0
10°	3238.6	3228.0	3215.9	3197.7	3184.0	3179.5	3162.8	3167.3	3164.3	3168.9	3179.5
12.5°	3171.9	3159.8	3149.2	3131.0	3115.8	3109.7	3102.2	3106.7	3105.2	3112.8	3121.9
15°	3111.2	3105.2	3093.1	3079.4	3065.8	3053.6	3026.3	3017.2	3011.2	3003.6	3014.2
17.5°	3011.2	2968.7	2939.9	2918.7	2903.5	2892.9	2885.3	2885.3	2889.9	2894.4	2903.5
20°	2874.7	2862.6	2848.9	2826.2	2811.0	2805.0	2800.4	2800.4	2808.0	2814.1	2830.8
22.5°	2780.7	2779.2	2774.7	2764.0	2756.5	2756.5	2758.0	2761.0	2771.6	2780.7	2797.4
25°	2736.7	2742.8	2739.8	2733.7	2729.2	2730.7	2727.6	2730.7	2741.3	2750.4	2764.0
27.5°	2701.9	2711.0	2707.9	2698.8	2691.3	2694.3	2698.8	2695.8	2704.9	2715.5	2726.1
30°	2654.9	2656.4	2662.5	2651.8	2648.8	2653.4	2654.9	2657.9	2667.0	2674.6	2683.7
32.5°	2601.8	2613.9	2612.4	2601.8	2601.8	2606.4	2607.9	2506.3	2316.8	1995.3	1907.4
35°	2550.3	2563.9	2541.2	2142.4	1482.8	791.5	611.0	589.8	594.4	597.4	600.4
37.5°	1886.2	894.6	570.1	574.6	579.2	583.7	588.3	592.8	597.4	601.9	603.4
40°	567.1	565.5	570.1	576.2	580.7	583.7	589.8	594.4	598.9	603.4	605.0
42.5°	561.0	564.0	568.6	574.6	580.7	586.8	591.3	597.4	600.4	603.4	605.0
45°	558.0	564.0	570.1	574.6	579.2	582.2	585.3	586.8	585.3	585.3	588.3
47.5°	553.4	559.5	561.0	559.5	561.0	559.5	559.5	559.5	554.9	553.4	553.4
50°	536.7	536.7	533.7	527.6	526.1	524.6	521.6	520.1	514.0	512.5	512.5
52.5°	501.9	500.3	495.8	488.2	485.2	482.2	480.6	479.1	473.1	470.0	471.5
55°	460.9	457.9	453.3	444.2	442.7	439.7	438.2	436.7	430.6	433.6	429.1
57.5°	423.0	417.0	410.9	409.4	403.3	401.8	400.3	398.8	394.2	395.7	392.7
60°	377.5	376.0	373.0	366.9	366.9	365.4	365.4	362.4	359.3	357.8	357.8
62.5°	344.2	339.6	336.6	336.6	332.0	332.0	332.0	329.0	326.0	327.5	326.0
65°	307.8	306.3	304.8	301.7	301.7	300.2	300.2	297.2	292.6	294.1	291.1
67.5°	277.5	274.4	271.4	269.9	263.8	260.8	259.3	257.8	251.7	253.2	250.2
70°	239.6	235.0	232.0	228.9	224.4	221.4	221.4	218.3	213.8	215.3	212.3
72.5°	200.1	197.1	194.1	192.6	188.0	186.5	185.0	183.5	178.9	180.4	178.9
75°	166.8	166.8	165.3	163.7	159.2	154.7	151.6	150.1	147.1	148.6	145.6
77.5°	138.0	134.9	131.9	131.9	127.4	124.3	121.3	121.3	121.3	119.8	118.3
80°	107.7	104.6	104.6	103.1	100.1	97.0	95.5	95.5	94.0	94.0	92.5
82.5°	81.9	78.8	77.3	77.3	74.3	72.8	71.3	69.7	69.7	69.7	68.2
85°	57.6	54.6	53.1	53.1	50.0	48.5	48.5	47.0	47.0	45.5	45.5
87.5°	34.9	33.4	31.8	31.8	28.8	27.3	27.3	27.3	25.8	25.8	24.3
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-LD5-79SL-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°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3569.1	3569.1	3558.5	3561.6	3557.0	3563.1	3555.5	3555.5	3564.6	3564.6	3570.7
5°	3441.8	3434.2	3432.7	3429.7	3414.5	3420.6	3413.0	3405.4	3416.0	3416.0	3429.7
7.5°	3267.4	3253.8	3259.8	3250.7	3241.6	3228.0	3232.5	3226.5	3234.1	3244.7	3258.3
10°	3178.0	3165.8	3173.4	3164.3	3168.9	3149.2	3150.7	3152.2	3159.8	3162.8	3174.9
12.5°	3120.3	3117.3	3114.3	3111.2	3114.3	3103.7	3097.6	3099.1	3102.2	3103.7	3112.8
15°	2999.0	2979.3	2985.4	2964.2	2965.7	2967.2	2955.1	2967.2	2965.7	2985.4	3003.6
17.5°	2900.5	2900.5	2889.9	2880.8	2874.7	2873.2	2864.1	2870.2	2864.1	2876.2	2880.8
20°	2832.3	2830.8	2829.2	2824.7	2809.5	2811.0	2815.6	2801.9	2800.4	2798.9	2808.0
22.5°	2800.4	2801.9	2795.9	2795.9	2782.2	2785.3	2786.8	2771.6	2773.1	2768.6	2773.1
25°	2767.1	2770.1	2762.5	2762.5	2759.5	2758.0	2750.4	2753.4	2744.3	2736.7	2744.3
27.5°	2727.6	2733.7	2727.6	2730.7	2724.6	2721.6	2717.0	2714.0	2704.9	2703.4	2707.9
30°	2691.3	2694.3	2692.8	2685.2	2683.7	2674.6	2679.1	2670.0	2660.9	2662.5	2665.5
32.5°	1379.7	1317.6	1015.9	917.3	908.2	941.6	1115.9	1358.5	1760.3	2150.0	2430.5
35°	601.9	601.9	601.9	600.4	600.4	598.9	597.4	595.9	594.4	592.8	591.3
37.5°	605.0	605.0	605.0	605.0	603.4	601.9	601.9	598.9	597.4	595.9	594.4
40°	606.5	608.0	608.0	608.0	606.5	606.5	605.0	601.9	600.4	597.4	594.4
42.5°	605.0	606.5	606.5	605.0	605.0	603.4	603.4	601.9	600.4	598.9	597.4
45°	585.3	586.8	583.7	583.7	582.2	582.2	582.2	582.2	582.2	583.7	583.7
47.5°	550.4	550.4	548.9	547.3	547.3	545.8	547.3	545.8	548.9	550.4	553.4
50°	509.4	509.4	506.4	504.9	504.9	504.9	504.9	506.4	507.9	511.0	514.0
52.5°	467.0	467.0	465.5	464.0	462.4	462.4	467.0	465.5	467.0	468.5	473.1
55°	426.1	427.6	424.5	424.5	423.0	423.0	423.0	424.5	426.1	427.6	432.1
57.5°	391.2	391.2	388.1	388.1	388.1	386.6	391.2	388.1	389.7	391.2	394.2
60°	356.3	354.8	354.8	353.3	353.3	353.3	356.3	354.8	354.8	356.3	359.3
62.5°	324.5	324.5	323.0	323.0	321.4	321.4	324.5	323.0	323.0	324.5	326.0
65°	288.1	288.1	286.6	285.0	289.6	285.0	289.6	286.6	289.6	291.1	294.1
67.5°	247.1	247.1	247.1	245.6	245.6	248.7	250.2	247.1	248.7	251.7	253.2
70°	210.8	210.8	209.2	209.2	209.2	212.3	213.8	210.8	212.3	213.8	216.8
72.5°	178.9	175.9	175.9	174.4	177.4	177.4	178.9	177.4	178.9	178.9	181.9
75°	147.1	144.0	144.0	144.0	147.1	145.6	147.1	145.6	147.1	147.1	148.6
77.5°	118.3	116.7	115.2	115.2	118.3	118.3	118.3	116.7	118.3	119.8	121.3
80°	92.5	91.0	89.5	89.5	92.5	92.5	92.5	94.0	92.5	94.0	95.5
82.5°	68.2	66.7	65.2	68.2	68.2	68.2	68.2	69.7	68.2	69.7	71.3
85°	45.5	44.0	42.5	45.5	45.5	45.5	45.5	47.0	45.5	47.0	48.5
87.5°	24.3	22.7	22.7	24.3	24.3	24.3	25.8	25.8	25.8	27.3	27.3
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-LD5-79SL-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°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3579.8	3584.3	3582.8	3573.7	3564.6	3554.0	3546.4	3547.9	3563.1	3567.6	3554.0
5°	3429.7	3458.5	3458.5	3478.2	3467.6	3458.5	3464.5	3497.9	3514.6	3540.3	3549.4
7.5°	3275.0	3288.6	3287.1	3306.8	3303.8	3303.8	3308.4	3352.3	3373.6	3394.8	3400.8
10°	3188.6	3202.2	3200.7	3202.2	3197.7	3187.1	3187.1	3206.8	3225.0	3235.6	3238.6
12.5°	3126.4	3134.0	3132.5	3132.5	3129.4	3120.3	3118.8	3135.5	3155.2	3168.9	3170.4
15°	3033.9	3055.1	3059.7	3079.4	3074.9	3062.7	3065.8	3079.4	3091.5	3103.7	3099.1
17.5°	2895.9	2906.6	2908.1	2915.7	2912.6	2912.6	2930.8	2980.9	3014.2	3043.0	3046.1
20°	2817.1	2824.7	2821.7	2838.3	2830.8	2829.2	2833.8	2855.0	2870.2	2883.8	2908.1
22.5°	2779.2	2785.3	2780.7	2782.2	2768.6	2756.5	2753.4	2770.1	2786.8	2805.0	2805.0
25°	2747.4	2751.9	2750.4	2747.4	2736.7	2720.1	2717.0	2720.1	2726.1	2727.6	2717.0
27.5°	2709.5	2712.5	2712.5	2714.0	2700.4	2685.2	2682.2	2679.1	2685.2	2683.7	2667.0
30°	2670.0	2665.5	2667.0	2668.5	2656.4	2642.7	2636.7	2635.2	2641.2	2639.7	2623.0
32.5°	2576.0	2610.9	2613.9	2617.0	2606.4	2594.2	2588.2	2583.6	2586.6	2585.1	2570.0
35°	589.8	600.4	735.4	1664.8	2260.7	2503.3	2529.0	2523.0	2524.5	2524.5	2512.3
37.5°	591.3	589.8	588.3	583.7	579.2	576.2	996.1	2124.2	2460.8	2462.3	2451.7
40°	591.3	589.8	588.3	585.3	579.2	574.6	567.1	561.0	574.6	1264.5	2313.7
42.5°	594.4	591.3	588.3	585.3	579.2	573.1	567.1	559.5	564.0	561.0	553.4
45°	585.3	583.7	583.7	582.2	579.2	573.1	565.5	556.4	551.9	556.4	548.9
47.5°	556.4	558.0	562.5	564.0	564.0	565.5	561.0	554.9	547.3	551.9	542.8
50°	517.0	520.1	521.6	529.2	532.2	538.3	539.8	539.8	538.3	544.3	538.3
52.5°	474.6	477.6	485.2	488.2	491.2	500.3	503.4	507.9	511.0	520.1	526.1
55°	433.6	435.2	438.2	444.2	448.8	456.4	460.9	465.5	473.1	477.6	495.8
57.5°	395.7	397.2	403.3	404.8	407.9	413.9	418.5	424.5	430.6	433.6	454.9
60°	359.3	360.9	365.4	366.9	368.4	374.5	379.1	383.6	388.1	391.2	406.3
62.5°	327.5	327.5	332.0	332.0	333.6	338.1	341.1	344.2	348.7	350.2	357.8
65°	295.7	297.2	300.2	300.2	301.7	304.8	306.3	307.8	312.3	312.3	318.4
67.5°	256.2	257.8	262.3	265.3	266.9	272.9	274.4	275.9	279.0	280.5	283.5
70°	218.3	219.8	224.4	225.9	227.4	232.0	235.0	239.6	244.1	248.7	251.7
72.5°	183.5	185.0	189.5	189.5	194.1	195.6	198.6	200.1	204.7	207.7	212.3
75°	150.1	151.6	156.2	156.2	160.7	162.2	163.7	165.3	168.3	171.3	174.4
77.5°	122.8	122.8	128.9	131.9	134.9	134.9	136.5	136.5	136.5	138.0	141.0
80°	97.0	97.0	101.6	104.6	107.7	107.7	109.2	110.7	112.2	112.2	113.7
82.5°	72.8	72.8	77.3	78.8	81.9	81.9	81.9	83.4	84.9	83.4	86.4
85°	50.0	50.0	53.1	54.6	57.6	57.6	57.6	59.1	60.6	59.1	60.6
87.5°	28.8	30.3	31.8	33.4	34.9	36.4	36.4	36.4	37.9	37.9	39.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3538.8	3520.6	3519.1	3497.9	3491.8	3493.3	3476.7	3470.6	3443.3	3437.2	3408.4
5°	3552.5	3561.6	3557.0	3555.5	3560.0	3557.0	3544.9	3538.8	3534.3	3522.1	3497.9
7.5°	3402.4	3408.4	3413.0	3432.7	3449.4	3478.2	3508.5	3528.2	3543.4	3546.4	3526.7
10°	3249.2	3278.0	3297.7	3328.1	3352.3	3369.0	3387.2	3403.9	3447.8	3491.8	3517.6
12.5°	3170.4	3178.0	3176.4	3193.1	3209.8	3253.8	3296.2	3320.5	3353.8	3373.6	3420.6
15°	3103.7	3105.2	3109.7	3121.9	3131.0	3146.1	3165.8	3202.2	3268.9	3299.3	3325.0
17.5°	3043.0	3043.0	3046.1	3056.7	3068.8	3082.4	3094.6	3109.7	3143.1	3193.1	3256.8
20°	2946.0	2988.4	2993.0	2991.5	2997.5	3023.3	3026.3	3053.6	3070.3	3090.0	3152.2
22.5°	2801.9	2827.7	2864.1	2920.2	2941.4	2953.6	2962.7	2974.8	3000.6	3023.3	3049.1
25°	2723.1	2739.8	2750.4	2767.1	2811.0	2882.3	2895.9	2909.6	2926.3	2942.9	2974.8
27.5°	2653.4	2651.8	2659.4	2674.6	2686.7	2724.6	2791.3	2844.4	2847.4	2871.7	2899.0
30°	2603.3	2594.2	2583.6	2580.6	2597.3	2617.0	2636.7	2720.1	2777.7	2789.8	2818.6
32.5°	2556.3	2541.2	2526.0	2513.9	2503.3	2519.9	2532.1	2568.4	2642.7	2712.5	2727.6
35°	2498.7	2483.5	2465.3	2451.7	2435.0	2433.5	2432.0	2466.9	2491.1	2574.5	2647.3
37.5°	2439.6	2422.9	2407.7	2392.6	2375.9	2363.8	2356.2	2365.3	2388.0	2424.4	2545.7
40°	2377.4	2357.7	2342.5	2330.4	2307.7	2298.6	2283.4	2277.3	2278.9	2310.7	2374.4
42.5°	1420.7	2265.2	2272.8	2259.1	2239.4	2227.3	2210.6	2203.0	2187.9	2203.0	2239.4
45°	547.3	553.4	1657.2	2189.4	2165.1	2150.0	2134.8	2127.2	2110.6	2098.4	2131.8
47.5°	536.7	542.8	530.7	752.0	2066.6	2071.1	2052.9	2045.4	2028.7	2019.6	2010.5
50°	529.2	533.7	524.6	527.6	517.0	1893.7	1969.5	1960.5	1942.3	1931.6	1913.4
52.5°	521.6	521.6	515.5	507.9	504.9	506.4	1593.5	1874.0	1852.8	1842.2	1817.9
55°	497.3	500.3	506.4	494.3	491.2	489.7	485.2	1517.7	1754.2	1742.1	1720.9
57.5°	460.9	467.0	483.7	480.6	480.6	468.5	465.5	465.5	1408.6	1640.5	1619.3
60°	418.5	424.5	442.7	448.8	453.3	450.3	447.3	445.8	439.7	1484.4	1511.7
62.5°	374.5	380.6	386.6	406.3	412.4	420.0	429.1	424.5	418.5	418.5	1397.9
65°	327.5	336.6	339.6	357.8	365.4	379.1	386.6	397.2	394.2	392.7	400.3
67.5°	286.6	297.2	298.7	306.3	319.9	326.0	335.1	354.8	363.9	366.9	370.0
70°	251.7	257.8	262.3	265.3	274.4	275.9	292.6	306.3	319.9	335.1	339.6
72.5°	216.8	221.4	230.5	227.4	230.5	236.5	245.6	254.7	268.4	289.6	303.2
75°	177.4	180.4	186.5	189.5	195.6	200.1	206.2	213.8	225.9	236.5	254.7
77.5°	142.5	144.0	148.6	150.1	156.2	160.7	171.3	175.9	183.5	191.0	201.7
80°	115.2	115.2	116.7	116.7	121.3	125.8	133.4	138.0	147.1	153.1	153.1
82.5°	87.9	87.9	92.5	92.5	95.5	95.5	100.1	100.1	104.6	107.7	110.7
85°	62.2	63.7	66.7	65.2	68.2	66.7	69.7	72.8	74.3	72.8	71.3
87.5°	40.9	40.9	44.0	42.5	44.0	44.0	47.0	47.0	48.5	48.5	47.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3397.8	3375.1	3361.4	3344.7	3340.2	3335.6	3341.7	3341.7	3332.6	3325.0	3311.4
5°	3476.7	3452.4	3426.6	3399.3	3373.6	3346.3	3335.6	3334.1	3317.5	3308.4	3303.8
7.5°	3517.6	3505.5	3476.7	3438.7	3399.3	3350.8	3329.6	3317.5	3300.8	3297.7	3297.7
10°	3522.1	3508.5	3493.3	3466.0	3420.6	3356.9	3315.9	3291.7	3276.5	3287.1	3306.8
12.5°	3478.2	3503.9	3490.3	3472.1	3435.7	3358.4	3299.3	3262.9	3258.3	3285.6	3337.2
15°	3366.0	3441.8	3479.7	3461.5	3432.7	3355.4	3272.0	3229.5	3229.5	3285.6	3352.3
17.5°	3281.1	3340.2	3432.7	3447.8	3414.5	3349.3	3246.2	3196.2	3209.8	3291.7	3362.9
20°	3211.3	3247.7	3337.2	3422.1	3390.2	3335.6	3208.3	3156.7	3184.0	3282.6	3378.1
22.5°	3102.2	3174.9	3229.5	3355.4	3366.0	3309.9	3170.4	3108.2	3162.8	3282.6	3370.5
25°	2996.0	3084.0	3141.6	3264.4	3329.6	3278.0	3135.5	3056.7	3140.1	3278.0	3364.5
27.5°	2921.7	2962.7	3067.3	3155.2	3275.0	3235.6	3088.5	3000.6	3111.2	3253.8	3329.6
30°	2842.9	2870.2	2973.3	3056.7	3202.2	3187.1	3040.0	2938.4	3074.9	3231.0	3238.6
32.5°	2756.5	2786.8	2839.8	2961.1	3100.6	3141.6	2985.4	2876.2	3035.4	3196.2	3132.5
35°	2668.5	2691.3	2733.7	2864.1	2982.4	3073.3	2918.7	2805.0	3008.1	3143.1	3030.9
37.5°	2580.6	2604.8	2641.2	2750.4	2858.0	3009.7	2861.1	2733.7	2958.1	3049.1	2924.8
40°	2497.2	2510.8	2548.7	2617.0	2754.9	2944.5	2795.9	2659.4	2906.6	2929.3	2780.7
42.5°	2344.0	2412.3	2447.2	2501.7	2638.2	2855.0	2720.1	2580.6	2848.9	2809.5	2636.7
45°	2178.8	2327.4	2342.5	2397.1	2535.1	2759.5	2648.8	2503.3	2794.4	2706.4	2500.2
47.5°	2043.8	2151.5	2239.4	2284.9	2412.3	2647.3	2582.1	2438.1	2712.5	2576.0	2366.8
50°	1924.1	1981.7	2140.9	2174.2	2265.2	2512.3	2503.3	2362.2	2598.8	2412.3	2236.4
52.5°	1807.3	1848.3	1992.3	2063.6	2137.8	2366.8	2409.2	2288.0	2474.4	2248.5	2104.5
55°	1705.7	1719.4	1798.2	1948.3	2015.0	2219.7	2306.1	2201.5	2316.8	2092.4	1977.1
57.5°	1601.1	1589.0	1646.6	1839.2	1887.7	2069.6	2197.0	2113.6	2189.4	1933.2	1845.2
60°	1491.9	1475.3	1499.5	1626.9	1752.7	1921.0	2068.1	2016.5	2034.7	1775.5	1698.1
62.5°	1378.2	1361.6	1354.0	1434.3	1620.8	1767.9	1937.7	1908.9	1845.2	1631.4	1516.2
65°	1260.0	1243.3	1231.2	1263.0	1475.3	1569.3	1792.2	1784.6	1637.5	1479.8	1276.6
67.5°	383.6	1131.1	1105.3	1103.8	1243.3	1388.8	1634.5	1622.3	1428.3	1317.6	1099.2
70°	345.7	917.3	974.9	961.3	1021.9	1205.4	1454.0	1444.9	1225.1	1056.8	971.9
72.5°	316.9	324.5	861.2	846.0	859.7	1025.0	1266.0	1241.8	1038.6	833.9	840.0
75°	271.4	285.0	297.2	714.1	695.9	849.1	1061.3	1023.4	856.7	688.4	702.0
77.5°	221.4	238.0	247.1	520.1	562.5	605.0	847.6	797.5	589.8	550.4	262.3
80°	165.3	178.9	194.1	207.7	427.6	423.0	629.2	579.2	410.9	342.7	204.7
82.5°	121.3	125.8	134.9	150.1	169.8	283.5	404.8	356.3	285.0	156.2	141.0
85°	75.8	81.9	86.4	91.0	103.1	169.8	200.1	159.2	119.8	95.5	89.5
87.5°	48.5	48.5	47.0	48.5	50.0	60.6	68.2	65.2	51.6	48.5	48.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3296.2	3275.0	3275.0	3268.9	3273.5	3273.5	3272.0	3273.5	3284.1	3290.2	3300.8
5°	3294.7	3288.6	3302.3	3319.0	3338.7	3362.9	3369.0	3390.2	3409.9	3435.7	3463.0
7.5°	3314.4	3335.6	3361.4	3388.7	3428.1	3456.9	3482.7	3508.5	3526.7	3550.9	3566.1
10°	3343.2	3385.7	3429.7	3464.5	3507.0	3531.2	3547.9	3550.9	3525.2	3484.2	3450.9
12.5°	3384.2	3434.2	3475.1	3508.5	3528.2	3519.1	3470.6	3420.6	3391.7	3349.3	3290.2
15°	3419.0	3464.5	3507.0	3493.3	3440.3	3390.2	3352.3	3293.2	3235.6	3196.2	3170.4
17.5°	3434.2	3478.2	3463.0	3391.7	3341.7	3284.1	3206.8	3161.3	3123.4	3093.1	3077.9
20°	3443.3	3435.7	3353.8	3302.3	3205.3	3152.2	3102.2	3059.7	3030.9	3015.7	3012.7
22.5°	3419.0	3326.5	3256.8	3164.3	3093.1	3049.1	3009.7	2974.8	2955.1	2942.9	2935.4
25°	3338.7	3231.0	3127.9	3055.1	2994.5	2956.6	2926.3	2897.5	2873.2	2867.1	2852.0
27.5°	3226.5	3138.5	3002.1	2946.0	2892.9	2874.7	2841.4	2812.6	2791.3	2773.1	2724.6
30°	3134.0	2994.5	2895.9	2844.4	2812.6	2791.3	2753.4	2723.1	2686.7	2620.0	2592.7
32.5°	3020.3	2882.3	2788.3	2759.5	2720.1	2701.9	2659.4	2592.7	2536.6	2509.3	2507.8
35°	2873.2	2759.5	2691.3	2665.5	2633.6	2603.3	2515.4	2454.7	2427.4	2430.5	2453.2
37.5°	2750.4	2648.8	2604.8	2568.4	2532.1	2454.7	2380.4	2351.6	2359.2	2374.4	2385.0
40°	2626.1	2548.7	2498.7	2469.9	2388.0	2312.2	2272.8	2283.4	2297.0	2307.7	2321.3
42.5°	2504.8	2450.2	2400.1	2344.0	2231.9	2190.9	2200.0	2213.7	2225.8	2240.9	2254.6
45°	2389.5	2341.0	2283.4	2156.0	2099.9	2110.6	2124.2	2134.8	2153.0	2163.6	2177.3
47.5°	2280.4	2228.8	2127.2	2015.0	2009.0	2030.2	2042.3	2056.0	2069.6	2042.3	1126.5
50°	2157.6	2104.5	1949.8	1907.4	1921.0	1940.7	1955.9	1969.5	1754.2	697.5	536.7
52.5°	2036.3	1901.3	1802.8	1814.9	1828.5	1851.3	1861.9	1382.8	550.4	524.6	526.1
55°	1901.3	1728.5	1699.7	1714.8	1727.0	1749.7	1159.9	507.9	504.9	503.4	515.5
57.5°	1689.0	1584.4	1596.6	1611.7	1623.9	1146.2	494.3	491.2	492.8	494.3	495.8
60°	1499.5	1476.8	1490.4	1504.1	1064.4	477.6	468.5	470.0	476.1	471.5	459.4
62.5°	1349.4	1367.6	1381.3	1209.9	453.3	448.8	453.3	448.8	438.2	430.6	415.4
65°	1234.2	1252.4	1263.0	426.1	424.5	430.6	426.1	410.9	394.2	373.0	368.4
67.5°	1112.9	1131.1	404.8	394.2	400.3	392.7	374.5	356.3	344.2	326.0	318.4
70°	987.0	423.0	366.9	365.4	354.8	342.7	323.0	304.8	289.6	282.0	274.4
72.5°	712.6	335.1	330.5	318.4	300.2	283.5	266.9	256.2	248.7	244.1	239.6
75°	297.2	291.1	277.5	256.2	238.0	230.5	218.3	210.8	207.7	198.6	195.6
77.5°	248.7	236.5	216.8	201.7	191.0	186.5	177.4	168.3	163.7	162.2	156.2
80°	191.0	174.4	165.3	157.7	154.7	144.0	133.4	128.9	125.8	124.3	119.8
82.5°	130.4	124.3	118.3	107.7	107.7	103.1	98.6	95.5	92.5	92.5	89.5
85°	84.9	80.4	78.8	74.3	74.3	71.3	69.7	68.2	66.7	65.2	63.7
87.5°	48.5	48.5	50.0	48.5	48.5	47.0	45.5	44.0	42.5	42.5	39.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3314.4	3329.6	3332.6	3384.2	3413.0	3411.5	3402.4	3429.7	3413.0	3403.9	3413.0
5°	3490.3	3508.5	3523.7	3579.8	3599.5	3608.6	3607.0	3622.2	3610.1	3599.5	3599.5
7.5°	3576.7	3582.8	3588.9	3575.2	3566.1	3550.9	3528.2	3494.8	3478.2	3460.0	3437.2
10°	3434.2	3414.5	3422.1	3394.8	3372.0	3355.4	3334.1	3306.8	3284.1	3267.4	3241.6
12.5°	3259.8	3258.3	3261.4	3265.9	3243.2	3229.5	3212.8	3193.1	3176.4	3158.3	3137.0
15°	3153.7	3155.2	3167.3	3162.8	3155.2	3147.6	3129.4	3123.4	3108.2	3088.5	3076.4
17.5°	3077.9	3085.5	3097.6	3091.5	3079.4	3071.8	3058.2	3044.5	3030.9	3015.7	2997.5
20°	3011.2	3018.8	3026.3	3018.8	2996.0	2985.4	2967.2	2924.8	2894.4	2864.1	2836.8
22.5°	2938.4	2942.9	2936.9	2912.6	2855.0	2827.7	2806.5	2794.4	2768.6	2751.9	2735.2
25°	2847.4	2821.7	2782.2	2754.9	2732.2	2720.1	2711.0	2709.5	2706.4	2703.4	2695.8
27.5°	2698.8	2689.7	2668.5	2657.9	2659.4	2664.0	2665.5	2670.0	2665.5	2659.4	2653.4
30°	2588.2	2592.7	2594.2	2597.3	2604.8	2609.4	2610.9	2617.0	2613.9	2609.4	2606.4
32.5°	2518.4	2529.0	2535.1	2544.2	2548.7	2556.3	2556.3	2565.4	2556.3	2554.8	2551.8
35°	2460.8	2469.9	2472.9	2486.6	2491.1	2498.7	2498.7	2506.3	2498.7	2421.4	1911.9
37.5°	2403.2	2412.3	2418.3	2430.5	2432.0	2436.5	2248.5	1645.1	1061.3	821.8	627.7
40°	2335.0	2345.6	2351.6	2356.2	1655.7	1050.7	723.2	588.3	588.3	592.8	597.4
42.5°	2262.2	2269.8	1581.4	920.3	573.1	571.6	576.2	580.7	585.3	591.3	597.4
45°	1778.5	897.6	570.1	556.4	561.0	567.1	573.1	579.2	586.8	592.8	595.9
47.5°	583.7	547.3	554.9	548.9	556.4	564.0	570.1	576.2	577.7	579.2	577.7
50°	539.8	539.8	544.3	544.3	550.4	553.4	553.4	553.4	547.3	545.8	541.3
52.5°	521.6	533.7	527.6	530.7	527.6	523.1	518.5	514.0	504.9	501.9	495.8
55°	512.5	517.0	501.9	497.3	491.2	479.1	473.1	467.0	459.4	456.4	448.8
57.5°	491.2	480.6	464.0	456.4	445.8	433.6	427.6	423.0	415.4	412.4	407.9
60°	451.8	430.6	420.0	410.9	398.8	388.1	383.6	380.6	374.5	373.0	368.4
62.5°	403.3	385.1	376.0	363.9	354.8	348.7	344.2	342.7	336.6	336.6	333.6
65°	350.2	341.1	333.6	321.4	316.9	310.8	309.3	307.8	304.8	303.2	300.2
67.5°	307.8	301.7	291.1	285.0	282.0	277.5	274.4	271.4	265.3	262.3	257.8
70°	269.9	265.3	254.7	250.2	244.1	236.5	232.0	228.9	224.4	221.4	216.8
72.5°	233.5	219.8	212.3	207.7	203.2	195.6	194.1	191.0	186.5	185.0	180.4
75°	188.0	177.4	172.8	169.8	165.3	160.7	160.7	160.7	156.2	154.7	153.1
77.5°	150.1	144.0	141.0	138.0	136.5	133.4	128.9	127.4	122.8	122.8	121.3
80°	115.2	112.2	109.2	107.7	106.1	103.1	100.1	98.6	94.0	94.0	92.5
82.5°	84.9	83.4	81.9	80.4	78.8	77.3	72.8	71.3	68.2	68.2	66.7
85°	60.6	59.1	56.1	54.6	54.6	53.1	48.5	47.0	44.0	44.0	44.0
87.5°	37.9	36.4	34.9	33.4	31.8	30.3	27.3	25.8	25.8	22.7	21.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3394.8	3420.6	3417.5	3435.7	3440.3	3449.4	3452.4	3453.9	3431.2	3449.4	3450.9
5°	3594.9	3599.5	3602.5	3610.1	3617.7	3619.2	3611.6	3602.5	3605.5	3599.5	3584.3
7.5°	3434.2	3411.5	3406.9	3400.8	3397.8	3394.8	3381.1	3393.3	3379.6	3373.6	3352.3
10°	3237.1	3215.9	3214.3	3214.3	3218.9	3217.4	3214.3	3208.3	3220.4	3212.8	3208.3
12.5°	3134.0	3126.4	3131.0	3127.9	3140.1	3143.1	3140.1	3140.1	3137.0	3131.0	3134.0
15°	3071.8	3065.8	3070.3	3065.8	3074.9	3076.4	3068.8	3073.3	3065.8	3058.2	3055.1
17.5°	2990.0	2976.3	2965.7	2950.5	2952.0	2949.0	2939.9	2939.9	2932.3	2912.6	2914.1
20°	2832.3	2818.6	2812.6	2812.6	2820.1	2823.2	2821.7	2824.7	2817.1	2814.1	2801.9
22.5°	2733.7	2732.2	2735.2	2742.8	2754.9	2771.6	2773.1	2773.1	2773.1	2771.6	2756.5
25°	2698.8	2698.8	2701.9	2712.5	2721.6	2733.7	2736.7	2739.8	2736.7	2736.7	2723.1
27.5°	2659.4	2656.4	2662.5	2673.1	2683.7	2692.8	2700.4	2701.9	2697.3	2697.3	2701.9
30°	2610.9	2609.4	2617.0	2627.6	2636.7	2645.8	2653.4	2659.4	2653.4	2653.4	2648.8
32.5°	2560.9	2560.9	2563.9	2500.2	2318.3	2087.8	2092.4	1958.9	1866.4	1749.7	1904.4
35°	1598.1	1162.9	999.2	846.0	738.4	668.6	667.1	644.4	633.8	626.2	624.7
37.5°	603.4	606.5	612.5	615.6	620.1	623.2	624.7	624.7	624.7	624.7	623.2
40°	601.9	608.0	612.5	617.1	621.6	624.7	624.7	626.2	627.7	627.7	627.7
42.5°	603.4	609.5	615.6	620.1	623.2	624.7	626.2	627.7	627.7	627.7	627.7
45°	601.9	605.0	605.0	606.5	606.5	606.5	608.0	608.0	606.5	605.0	608.0
47.5°	579.2	579.2	574.6	573.1	571.6	568.6	570.1	568.6	567.1	565.5	568.6
50°	539.8	533.7	530.7	527.6	526.1	523.1	524.6	523.1	521.6	518.5	523.1
52.5°	492.8	491.2	485.2	482.2	480.6	482.2	479.1	477.6	476.1	474.6	476.1
55°	447.3	441.2	439.7	436.7	435.2	436.7	435.2	433.6	432.1	430.6	432.1
57.5°	406.3	401.8	400.3	397.2	397.2	397.2	397.2	395.7	394.2	392.7	394.2
60°	366.9	363.9	362.4	362.4	360.9	360.9	360.9	359.3	357.8	357.8	359.3
62.5°	333.6	333.6	329.0	327.5	327.5	329.0	327.5	326.0	324.5	323.0	326.0
65°	298.7	292.6	291.1	288.1	285.0	286.6	285.0	283.5	282.0	280.5	283.5
67.5°	256.2	254.7	248.7	245.6	244.1	245.6	244.1	242.6	241.1	239.6	242.6
70°	215.3	215.3	209.2	207.7	206.2	206.2	204.7	204.7	203.2	201.7	204.7
72.5°	178.9	178.9	177.4	174.4	172.8	171.3	169.8	168.3	168.3	169.8	169.8
75°	148.6	145.6	139.5	141.0	139.5	138.0	138.0	136.5	134.9	138.0	136.5
77.5°	116.7	115.2	110.7	112.2	110.7	109.2	109.2	107.7	106.1	107.7	107.7
80°	87.9	87.9	86.4	84.9	84.9	83.4	81.9	81.9	80.4	81.9	81.9
82.5°	63.7	63.7	62.2	60.6	59.1	59.1	57.6	57.6	57.6	57.6	57.6
85°	40.9	39.4	39.4	36.4	36.4	36.4	34.9	34.9	34.9	34.9	34.9
87.5°	19.7	19.7	18.2	18.2	16.7	15.2	15.2	13.6	13.6	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3423.6	3443.3	3426.6	3434.2	3435.7	3461.5	3460.0	3466.0	3455.4	3443.3	3426.6
5°	3597.9	3588.9	3576.7	3605.5	3590.4	3608.6	3614.6	3626.8	3626.8	3625.2	3611.6
7.5°	3375.1	3355.4	3370.5	3381.1	3385.7	3373.6	3397.8	3425.1	3447.8	3461.5	3463.0
10°	3200.7	3206.8	3205.3	3209.8	3220.4	3218.9	3234.1	3249.2	3255.3	3264.4	3267.4
12.5°	3118.8	3117.3	3120.3	3131.0	3137.0	3135.5	3150.7	3159.8	3162.8	3164.3	3162.8
15°	3053.6	3043.0	3050.6	3052.1	3056.7	3056.7	3074.9	3088.5	3094.6	3097.6	3094.6
17.5°	2930.8	2905.0	2929.3	2929.3	2946.0	2942.9	2971.8	2994.5	3006.6	3015.7	3015.7
20°	2809.5	2797.4	2806.5	2803.5	2815.6	2814.1	2832.3	2847.4	2858.0	2865.6	2874.7
22.5°	2761.0	2764.0	2750.4	2751.9	2751.9	2750.4	2759.5	2767.1	2770.1	2774.7	2771.6
25°	2729.2	2732.2	2727.6	2720.1	2717.0	2720.1	2724.6	2733.7	2735.2	2732.2	2721.6
27.5°	2697.3	2688.2	2695.8	2682.2	2679.1	2685.2	2691.3	2692.8	2694.3	2694.3	2685.2
30°	2648.8	2641.2	2648.8	2642.7	2636.7	2642.7	2647.3	2647.3	2650.3	2651.8	2641.2
32.5°	1851.3	1866.4	2112.1	2260.7	2469.9	2576.0	2595.7	2595.7	2598.8	2598.8	2589.7
35°	630.7	632.3	683.8	741.4	864.2	1015.9	1214.5	1317.6	1666.3	2083.3	2486.6
37.5°	623.2	621.6	620.1	618.6	617.1	615.6	612.5	611.0	620.1	735.4	997.7
40°	626.2	624.7	621.6	620.1	618.6	615.6	614.1	611.0	608.0	605.0	601.9
42.5°	626.2	624.7	623.2	621.6	620.1	618.6	615.6	612.5	609.5	605.0	600.4
45°	605.0	605.0	606.5	606.5	608.0	608.0	608.0	606.5	606.5	605.0	598.9
47.5°	565.5	565.5	570.1	570.1	573.1	576.2	576.2	579.2	583.7	586.8	588.3
50°	520.1	520.1	524.6	526.1	529.2	533.7	538.3	539.8	544.3	550.4	556.4
52.5°	474.6	474.6	479.1	479.1	482.2	486.7	491.2	492.8	498.8	504.9	512.5
55°	432.1	432.1	435.2	436.7	438.2	441.2	445.8	445.8	451.8	456.4	464.0
57.5°	394.2	397.2	397.2	397.2	398.8	401.8	404.8	404.8	409.4	413.9	420.0
60°	357.8	360.9	360.9	360.9	362.4	363.9	366.9	366.9	370.0	373.0	379.1
62.5°	324.5	327.5	327.5	329.0	329.0	330.5	333.6	332.0	335.1	336.6	341.1
65°	282.0	285.0	286.6	288.1	289.6	292.6	297.2	295.7	300.2	303.2	307.8
67.5°	241.1	244.1	244.1	245.6	247.1	250.2	253.2	253.2	257.8	260.8	266.9
70°	203.2	206.2	206.2	207.7	209.2	212.3	215.3	213.8	218.3	221.4	225.9
72.5°	168.3	171.3	171.3	172.8	172.8	175.9	178.9	181.9	181.9	185.0	188.0
75°	136.5	138.0	139.5	139.5	141.0	142.5	145.6	148.6	150.1	151.6	154.7
77.5°	107.7	109.2	110.7	110.7	112.2	113.7	115.2	121.3	124.3	125.8	125.8
80°	81.9	83.4	83.4	83.4	84.9	86.4	89.5	89.5	95.5	95.5	97.0
82.5°	57.6	59.1	59.1	59.1	60.6	63.7	65.2	66.7	69.7	71.3	71.3
85°	34.9	36.4	36.4	36.4	37.9	39.4	42.5	44.0	45.5	45.5	47.0
87.5°	13.6	15.2	16.7	16.7	18.2	19.7	21.2	22.7	24.3	24.3	25.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3408.4	3419.0	3408.4	3414.5	3422.1	3408.4	3376.6	3364.5	3359.9	3341.7	3329.6
5°	3597.9	3597.9	3593.4	3605.5	3604.0	3582.8	3549.4	3534.3	3519.1	3499.4	3484.2
7.5°	3463.0	3475.1	3482.7	3529.7	3560.0	3563.1	3584.3	3588.9	3594.9	3588.9	3579.8
10°	3268.9	3264.4	3285.6	3329.6	3355.4	3369.0	3409.9	3429.7	3446.3	3479.7	3514.6
12.5°	3159.8	3165.8	3174.9	3206.8	3231.0	3225.0	3241.6	3255.3	3275.0	3308.4	3358.4
15°	3087.0	3093.1	3102.2	3126.4	3141.6	3134.0	3143.1	3152.2	3165.8	3182.5	3212.8
17.5°	3008.1	3018.8	3029.4	3055.1	3068.8	3067.3	3074.9	3077.9	3082.4	3093.1	3114.3
20°	2885.3	2918.7	2939.9	2974.8	2994.5	2991.5	3005.1	3009.7	3015.7	3026.3	3035.4
22.5°	2773.1	2782.2	2792.8	2830.8	2864.1	2905.0	2914.1	2926.3	2941.4	2952.0	2961.1
25°	2709.5	2703.4	2707.9	2733.7	2751.9	2754.9	2768.6	2808.0	2848.9	2867.1	2888.4
27.5°	2671.5	2665.5	2664.0	2676.1	2679.1	2671.5	2668.5	2680.6	2711.0	2741.3	2805.0
30°	2630.6	2623.0	2617.0	2627.6	2632.1	2621.5	2601.8	2591.2	2609.4	2617.0	2642.7
32.5°	2582.1	2574.5	2571.5	2577.5	2580.6	2571.5	2550.3	2538.1	2535.1	2529.0	2535.1
35°	2527.5	2519.9	2515.4	2516.9	2523.0	2515.4	2497.2	2482.0	2474.4	2457.8	2445.6
37.5°	1302.4	1845.2	2395.6	2453.2	2459.3	2457.8	2439.6	2422.9	2415.3	2395.6	2389.5
40°	595.9	665.6	999.2	1305.5	1883.1	2392.6	2375.9	2359.2	2345.6	2339.5	2316.8
42.5°	594.4	595.9	597.4	589.8	730.8	1244.8	1837.6	2294.0	2284.9	2269.8	2253.1
45°	594.4	586.8	592.8	583.7	586.8	585.3	729.3	1176.6	2093.9	2187.9	2180.3
47.5°	588.3	583.7	589.8	582.2	573.1	577.7	571.6	579.2	903.7	1532.9	2099.9
50°	561.0	564.0	574.6	573.1	565.5	571.6	561.0	570.1	562.5	617.1	1188.7
52.5°	520.1	526.1	536.7	545.8	548.9	556.4	553.4	556.4	550.4	551.9	553.4
55°	471.5	479.1	488.2	501.9	507.9	520.1	529.2	533.7	541.3	539.8	527.6
57.5°	426.1	433.6	441.2	454.9	468.5	474.6	491.2	500.3	520.1	515.5	512.5
60°	383.6	389.7	397.2	400.3	417.0	427.6	442.7	451.8	477.6	483.7	492.8
62.5°	345.7	348.7	354.8	359.3	370.0	380.6	388.1	403.3	417.0	436.7	450.3
65°	310.8	313.9	318.4	321.4	323.0	338.1	342.7	359.3	363.9	385.1	397.2
67.5°	271.4	277.5	283.5	286.6	289.6	298.7	301.7	309.3	319.9	329.0	344.2
70°	230.5	235.0	241.1	245.6	251.7	257.8	266.9	271.4	279.0	285.0	297.2
72.5°	192.6	197.1	200.1	204.7	209.2	213.8	221.4	232.0	238.0	248.7	251.7
75°	156.2	160.7	163.7	166.8	171.3	174.4	177.4	188.0	194.1	203.2	212.3
77.5°	128.9	128.9	131.9	141.0	139.5	139.5	142.5	148.6	153.1	159.2	168.3
80°	100.1	101.6	103.1	110.7	112.2	113.7	112.2	116.7	121.3	122.8	128.9
82.5°	74.3	75.8	75.8	80.4	84.9	84.9	84.9	86.4	91.0	92.5	95.5
85°	50.0	51.6	53.1	54.6	57.6	59.1	60.6	60.6	63.7	65.2	66.7
87.5°	27.3	30.3	31.8	33.4	34.9	36.4	37.9	39.4	40.9	42.5	44.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4	3308.4
2.5°	3325.0	3317.5	3312.9	3300.8	3297.7	3278.0	3281.1	3278.0	3278.0	3282.6	3297.7
5°	3467.6	3431.2	3422.1	3396.3	3375.1	3338.7	3315.9	3303.8	3285.6	3278.0	3288.6
7.5°	3564.6	3537.3	3514.6	3491.8	3461.5	3419.0	3387.2	3350.8	3320.5	3291.7	3284.1
10°	3547.9	3578.2	3578.2	3564.6	3535.8	3493.3	3455.4	3409.9	3356.9	3311.4	3284.1
12.5°	3406.9	3460.0	3502.4	3534.3	3563.1	3534.3	3496.4	3460.0	3400.8	3334.1	3284.1
15°	3252.3	3306.8	3359.9	3426.6	3496.4	3525.2	3523.7	3481.2	3428.1	3358.4	3288.6
17.5°	3143.1	3181.0	3209.8	3282.6	3367.5	3441.8	3491.8	3494.8	3443.3	3381.1	3290.2
20°	3061.2	3088.5	3112.8	3153.7	3228.0	3319.0	3411.5	3463.0	3453.9	3385.7	3294.7
22.5°	2986.9	3006.6	3026.3	3056.7	3115.8	3174.9	3282.6	3388.7	3434.2	3378.1	3290.2
25°	2912.6	2933.9	2949.0	2970.2	3017.2	3065.8	3141.6	3273.5	3375.1	3372.0	3281.1
27.5°	2824.7	2853.5	2871.7	2900.5	2932.3	2968.7	3020.3	3144.6	3290.2	3341.7	3256.8
30°	2718.6	2761.0	2788.3	2820.1	2847.4	2879.3	2920.2	2996.0	3176.4	3282.6	3231.0
32.5°	2565.4	2641.2	2701.9	2732.2	2762.5	2789.8	2826.2	2889.9	3037.0	3202.2	3202.2
35°	2456.2	2491.1	2545.7	2633.6	2671.5	2698.8	2732.2	2782.2	2876.2	3106.7	3155.2
37.5°	2371.3	2385.0	2412.3	2498.7	2570.0	2613.9	2647.3	2679.1	2771.6	2976.3	3094.6
40°	2307.7	2303.1	2300.1	2341.0	2442.6	2512.3	2550.3	2582.1	2653.4	2820.1	3014.2
42.5°	2233.4	2228.8	2213.7	2224.3	2274.3	2391.1	2448.7	2483.5	2542.7	2656.4	2926.3
45°	2156.0	2148.5	2142.4	2131.8	2150.0	2215.2	2333.4	2385.0	2418.3	2519.9	2815.6
47.5°	2077.2	2066.6	2059.0	2049.9	2039.3	2069.6	2181.8	2274.3	2331.9	2395.6	2682.2
50°	1965.0	1978.6	1969.5	1958.9	1949.8	1943.8	1990.8	2142.4	2213.7	2265.2	2519.9
52.5°	926.4	1801.2	1877.1	1866.4	1854.3	1843.7	1854.3	1969.5	2098.4	2139.4	2324.3
55°	527.6	802.1	1669.3	1764.9	1754.2	1739.1	1730.0	1769.4	1962.0	2016.5	2145.4
57.5°	507.9	509.4	736.9	1590.5	1649.6	1636.0	1625.4	1634.5	1798.2	1890.7	1989.3
60°	491.2	491.2	491.2	703.5	1520.8	1525.3	1511.7	1496.5	1567.8	1749.7	1831.6
62.5°	454.9	464.0	468.5	468.5	694.4	1408.6	1394.9	1390.4	1393.4	1579.9	1673.9
65°	407.9	429.1	438.2	444.2	444.2	729.3	1275.1	1267.5	1256.9	1328.2	1514.7
67.5°	356.3	377.5	397.2	409.4	410.9	424.5	761.1	1141.7	1126.5	1128.1	1344.9
70°	303.2	321.4	342.7	360.9	377.5	385.1	397.2	947.6	997.7	976.4	1152.3
72.5°	262.3	269.9	285.0	303.2	323.0	341.1	351.8	377.5	865.8	843.0	876.4
75°	218.3	224.4	235.0	247.1	262.3	283.5	301.7	319.9	459.4	706.6	702.0
77.5°	169.8	180.4	192.6	200.1	207.7	222.9	247.1	265.3	283.5	477.6	562.5
80°	130.4	138.0	144.0	151.6	160.7	171.3	180.4	201.7	222.9	239.6	430.6
82.5°	97.0	101.6	106.1	109.2	112.2	118.3	134.9	142.5	156.2	171.3	203.2
85°	68.2	71.3	74.3	75.8	77.3	78.8	84.9	86.4	100.1	103.1	122.8
87.5°	44.0	45.5	48.5	50.0	50.0	51.6	53.1	53.1	53.1	50.0	60.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-79SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3308.4	3308.4
2.5°	3309.9	3334.1
5°	3305.3	3337.2
7.5°	3293.2	3323.5
10°	3275.0	3311.4
12.5°	3255.3	3290.2
15°	3238.6	3264.4
17.5°	3220.4	3235.6
20°	3196.2	3208.3
22.5°	3171.9	3165.8
25°	3144.6	3131.0
27.5°	3109.7	3084.0
30°	3077.9	3032.4
32.5°	3047.6	2973.3
35°	3006.6	2912.6
37.5°	2964.2	2850.5
40°	2914.1	2779.2
42.5°	2861.1	2707.9
45°	2794.4	2639.7
47.5°	2735.2	2557.8
50°	2653.4	2469.9
52.5°	2553.3	2388.0
55°	2435.0	2288.0
57.5°	2307.7	2183.3
60°	2171.2	2063.6
62.5°	2005.9	1939.2
65°	1811.9	1796.7
67.5°	1558.7	1639.0
70°	1278.2	1458.6
72.5°	1068.9	1267.5
75°	876.4	1053.8
77.5°	694.4	826.3
80°	433.6	605.0
82.5°	291.1	397.2
85°	175.9	189.5
87.5°	68.2	69.7
90°	0.0	0.0

(END OF REPORT)