

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: **4SNLED-LD5-76SL-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: 4SNLED-LD5-76SL-RW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

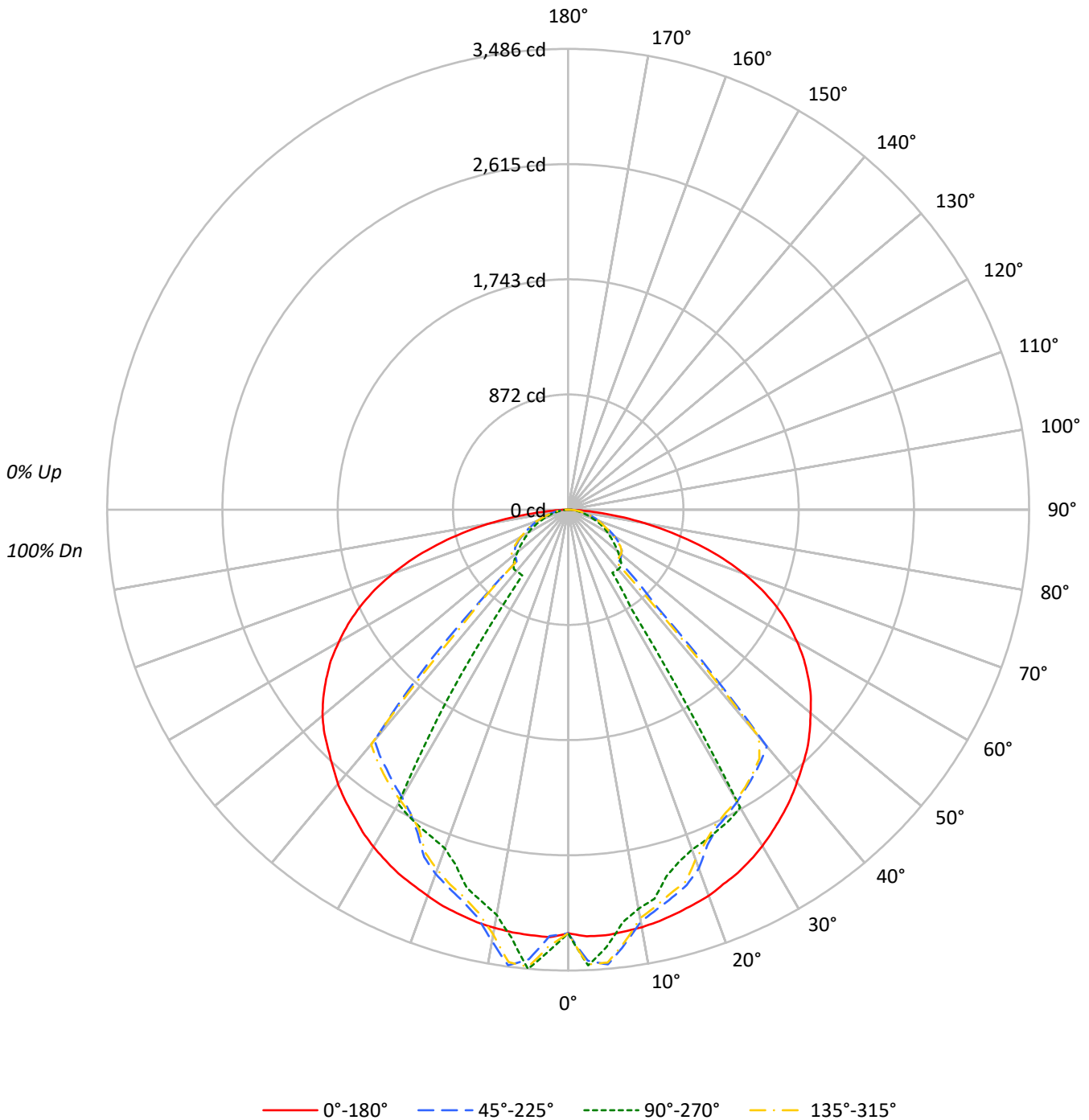
Lumens per Lamp: N/A
Luminaire Lumens: 6417.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 70
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#
CATALOG NUMBER: 4SNLED-LD5-76SL-RW-UNV-L935-CD1-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	25896	25896	25896	25896
5°	26149	26091	26137	27383
10°	26175	23589	26211	23951
15°	26233	21825	26294	22517
20°	26424	20700	26424	20622
25°	26652	20304	26691	20115
30°	26922	19947	26989	19710
35°	27235	4543	27292	4738
40°	27671	4724	27838	4878
45°	28334	4698	28432	4869
50°	28996	4247	29388	4363
55°	29888	3771	30126	3826
60°	30646	3352	30713	3395
65°	31187	2925	31108	2878
70°	30741	2358	30646	2272
75°	28540	1814	28745	1737
80°	23165	1288	24094	1179
85°	12543	773	13247	592



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-76SL-RW-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.3	4.9
10°-20°	866.9	13.5
20°-30°	1284.0	20.0
30°-40°	1293.7	20.2
40°-50°	1010.6	15.7
50°-60°	780.6	12.2
60°-70°	524.1	8.2
70°-80°	267.4	4.2
80°-90°	74.4	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°	2466.2	38.4
0°-40°	3759.9	58.6
0°-60°	5551.2	86.5
0°-90°	6417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6417.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3204	3204	3204	3204	3204	
5°	3232	3322	3231	3486	3232	307
15°	3162	2871	3169	2962	3162	894
25°	3033	2676	3037	2651	3033	1399
35°	2821	582	2827	606	2821	1768
45°	2557	565	2566	586	2557	1972
55°	2216	411	2234	417	2216	1979
65°	1740	276	1736	272	1740	1712
75°	1021	140	1028	134	1021	1067
85°	184	44	194	34	184	253
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-76SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3229.5	3241.2	3250.0	3255.9	3258.8	3258.8	3260.3	3261.8	3280.9	3289.7	3295.5
5°	3232.4	3244.1	3261.8	3285.3	3305.8	3323.4	3338.1	3358.7	3379.2	3401.3	3408.6
7.5°	3219.2	3233.9	3269.1	3311.7	3351.3	3379.2	3398.3	3411.6	3421.8	3423.3	3430.6
10°	3207.4	3233.9	3282.3	3338.1	3388.1	3421.8	3421.8	3414.5	3424.8	3385.1	3345.5
12.5°	3186.9	3216.2	3282.3	3355.8	3402.7	3416.0	3410.1	3380.7	3320.5	3272.0	3250.0
15°	3161.9	3201.5	3283.8	3366.0	3405.7	3410.1	3354.3	3279.4	3233.9	3204.5	3167.8
17.5°	3134.0	3186.9	3285.3	3367.5	3382.2	3361.6	3255.9	3208.9	3161.9	3092.9	3042.9
20°	3107.6	3159.0	3273.5	3346.9	3355.8	3263.2	3181.0	3131.1	3051.8	2991.5	2969.5
22.5°	3066.4	3126.6	3263.2	3319.0	3285.3	3178.0	3098.7	3019.4	2947.5	2929.9	2903.4
25°	3032.7	3095.8	3239.7	3285.3	3195.7	3100.2	3007.7	2915.2	2881.4	2856.4	2832.9
27.5°	2987.1	3065.0	3208.9	3223.6	3100.2	3016.5	2881.4	2840.3	2809.4	2781.5	2771.2
30°	2937.2	3032.7	3166.3	3138.4	3020.9	2897.5	2797.7	2759.5	2737.5	2708.1	2696.3
32.5°	2879.9	2984.2	3119.3	3040.0	2935.7	2781.5	2716.9	2687.5	2658.2	2636.1	2562.7
35°	2821.2	2941.6	3063.5	2946.0	2832.9	2693.4	2636.1	2609.7	2581.8	2501.0	2424.7
37.5°	2761.0	2894.6	2995.9	2844.7	2696.3	2602.4	2553.9	2524.5	2461.4	2358.6	2320.4
40°	2691.9	2837.3	2909.3	2740.4	2577.4	2509.8	2464.3	2434.9	2292.5	2247.0	2235.2
42.5°	2622.9	2781.5	2803.6	2639.1	2479.0	2411.4	2373.3	2276.3	2179.4	2155.9	2160.3
45°	2556.8	2721.3	2687.5	2495.2	2376.2	2320.4	2255.8	2122.1	2070.7	2082.5	2085.4
47.5°	2477.5	2649.4	2565.6	2351.2	2270.5	2214.6	2070.7	1990.0	1982.6	1998.8	2007.6
50°	2392.3	2568.6	2436.4	2220.5	2155.9	2089.8	1926.8	1885.7	1894.5	1910.6	1920.9
52.5°	2313.0	2477.5	2302.8	2098.6	2042.8	1891.6	1781.4	1788.8	1803.4	1822.5	1828.4
55°	2216.1	2367.4	2160.3	1975.3	1922.4	1724.1	1674.2	1691.8	1706.5	1722.7	1734.4
57.5°	2114.8	2241.1	1991.4	1837.2	1752.0	1575.8	1580.2	1592.0	1602.2	1621.3	669.7
60°	1998.8	2097.2	1806.4	1709.5	1540.6	1458.3	1462.7	1483.3	1493.6	834.2	461.1
62.5°	1878.3	1929.7	1639.0	1564.1	1346.7	1340.8	1361.4	1370.2	932.6	440.6	431.8
65°	1740.3	1730.0	1474.5	1355.5	1214.5	1220.4	1242.4	1198.4	412.7	412.7	409.7
67.5°	1587.6	1525.9	1314.4	1122.0	1086.8	1100.0	1123.5	392.1	381.8	384.8	374.5
70°	1412.8	1326.1	1148.4	950.2	961.9	975.2	378.9	355.4	351.0	343.7	323.1
72.5°	1227.7	1108.8	939.9	825.4	832.7	522.8	331.9	320.2	305.5	290.8	268.8
75°	1020.7	866.5	690.2	690.2	700.5	298.1	289.3	270.2	254.1	235.0	221.8
77.5°	800.4	666.7	536.0	556.6	271.7	249.7	233.5	212.9	199.7	188.0	180.6
80°	586.0	465.5	403.9	361.3	211.5	189.4	173.3	161.5	155.7	148.3	139.5
82.5°	384.8	280.5	280.5	170.4	148.3	130.7	126.3	117.5	111.6	107.2	102.8
85°	183.6	163.0	123.4	104.3	92.5	83.7	80.8	76.4	76.4	74.9	73.4
87.5°	67.6	73.4	54.3	52.9	49.9	48.5	49.9	49.9	51.4	49.9	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: 4SNLED-LD5-76SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3310.2	3322.0	3330.8	3345.5	3364.6	3380.7	3395.4	3416.0	3448.3	3457.1	3464.4
5°	3408.6	3413.0	3423.3	3435.1	3438.0	3445.3	3443.9	3452.7	3457.1	3467.4	3445.3
7.5°	3414.5	3391.0	3363.1	3338.1	3320.5	3304.3	3294.1	3310.2	3319.0	3326.4	3304.3
10°	3291.1	3263.2	3247.1	3232.4	3214.8	3189.8	3156.0	3163.4	3160.4	3160.4	3153.1
12.5°	3213.3	3173.6	3132.5	3095.8	3079.7	3078.2	3079.7	3095.8	3095.8	3094.3	3085.5
15°	3091.4	3053.2	3032.7	3023.8	3023.8	3019.4	3019.4	3037.1	3032.7	3032.7	3028.3
17.5°	3010.6	2984.2	2969.5	2959.2	2954.8	2962.2	2971.0	2978.3	2979.8	2973.9	2950.4
20°	2944.5	2919.6	2902.0	2904.9	2903.4	2907.8	2912.2	2887.3	2856.4	2815.3	2796.2
22.5°	2875.5	2856.4	2843.2	2843.2	2825.6	2797.7	2756.6	2747.8	2743.3	2724.3	2708.1
25°	2809.4	2787.4	2768.3	2709.6	2672.9	2677.3	2669.9	2655.2	2653.8	2652.3	2658.2
27.5°	2743.3	2686.1	2612.6	2603.8	2589.1	2587.7	2596.5	2603.8	2603.8	2609.7	2617.0
30°	2606.8	2540.7	2527.5	2511.3	2517.2	2537.7	2542.1	2552.4	2555.4	2565.6	2571.5
32.5°	2481.9	2452.6	2440.8	2448.2	2467.2	2484.9	2495.2	2499.6	2506.9	2515.7	2523.1
35°	2380.6	2371.8	2382.1	2398.2	2417.3	2432.0	2440.8	2449.6	2457.0	2464.3	2470.2
37.5°	2305.7	2311.6	2326.3	2346.8	2365.9	2377.7	2385.0	2395.3	2405.6	2414.4	2379.1
40°	2235.2	2249.9	2266.0	2288.1	2304.2	2316.0	2323.3	2336.5	2248.4	1017.7	558.1
42.5°	2173.5	2189.7	2201.4	2219.1	2236.7	2245.5	2180.9	973.7	550.7	547.8	555.1
45°	2098.6	2111.8	2130.9	2144.2	2160.3	1418.7	541.9	547.8	539.0	544.9	547.8
47.5°	2022.3	2042.8	2053.1	1959.1	583.0	539.0	533.1	539.0	533.1	540.4	536.0
50°	1935.6	1960.6	1395.2	527.2	522.8	519.9	525.8	522.8	527.2	533.1	521.4
52.5°	1847.5	1144.0	511.1	508.1	511.1	508.1	518.4	511.1	512.5	506.7	492.0
55°	625.6	494.9	490.5	489.0	497.9	497.9	497.9	486.1	478.8	464.1	453.8
57.5°	478.8	478.8	477.3	478.8	475.8	472.9	459.7	449.4	439.1	418.6	412.7
60°	453.8	453.8	453.8	453.8	440.6	434.7	414.1	405.3	387.7	377.4	371.6
62.5°	433.2	430.3	417.1	412.7	398.0	381.8	370.1	361.3	343.7	337.8	333.4
65°	403.9	393.6	377.4	359.8	352.5	334.8	329.0	315.7	306.9	302.5	299.6
67.5°	355.4	340.7	327.5	315.7	302.5	296.7	289.3	279.0	273.2	270.2	267.3
70°	304.0	293.7	280.5	273.2	264.3	259.9	249.7	246.7	242.3	237.9	233.5
72.5°	254.1	248.2	242.3	232.0	229.1	226.2	215.9	210.0	204.1	198.3	195.3
75°	212.9	208.5	205.6	196.8	192.4	183.6	176.2	171.8	167.4	163.0	160.1
77.5°	174.8	171.8	163.0	157.1	154.2	146.9	143.9	145.4	142.5	136.6	133.6
80°	136.6	133.6	126.3	126.3	123.4	120.4	117.5	114.6	111.6	107.2	104.3
82.5°	104.3	101.3	98.4	95.5	92.5	91.1	89.6	86.6	83.7	80.8	79.3
85°	73.4	72.0	70.5	69.0	67.6	66.1	64.6	61.7	58.7	57.3	55.8
87.5°	49.9	48.5	47.0	45.5	44.1	42.6	41.1	39.7	36.7	35.2	33.8
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: 4SNLED-LD5-76SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3464.4	3471.8	3464.4	3448.3	3438.0	3433.6	3442.4	3442.4	3448.3	3455.6	3457.1
5°	3410.1	3392.5	3371.9	3351.3	3341.1	3335.2	3319.0	3322.0	3326.4	3329.3	3332.3
7.5°	3275.0	3251.5	3223.6	3197.1	3186.9	3178.0	3159.0	3159.0	3159.0	3160.4	3169.2
10°	3136.9	3126.6	3114.9	3097.3	3084.1	3079.7	3063.5	3067.9	3065.0	3069.4	3079.7
12.5°	3072.3	3060.6	3050.3	3032.7	3018.0	3012.1	3004.8	3009.2	3007.7	3015.0	3023.8
15°	3013.6	3007.7	2995.9	2982.7	2969.5	2957.8	2931.3	2922.5	2916.6	2909.3	2919.6
17.5°	2916.6	2875.5	2847.6	2827.1	2812.4	2802.1	2794.7	2794.7	2799.2	2803.6	2812.4
20°	2784.5	2772.7	2759.5	2737.5	2722.8	2716.9	2712.5	2712.5	2719.8	2725.7	2741.9
22.5°	2693.4	2691.9	2687.5	2677.3	2669.9	2669.9	2671.4	2674.3	2684.6	2693.4	2709.6
25°	2650.8	2656.7	2653.8	2647.9	2643.5	2644.9	2642.0	2644.9	2655.2	2664.0	2677.3
27.5°	2617.0	2625.9	2622.9	2614.1	2606.8	2609.7	2614.1	2611.2	2620.0	2630.3	2640.5
30°	2571.5	2573.0	2578.9	2568.6	2565.6	2570.0	2571.5	2574.5	2583.3	2590.6	2599.4
32.5°	2520.1	2531.9	2530.4	2520.1	2520.1	2524.5	2526.0	2427.6	2244.0	1932.7	1847.5
35°	2470.2	2483.4	2461.4	2075.1	1436.3	766.6	591.8	571.3	575.7	578.6	581.6
37.5°	1826.9	866.5	552.2	556.6	561.0	565.4	569.8	574.2	578.6	583.0	584.5
40°	549.3	547.8	552.2	558.1	562.5	565.4	571.3	575.7	580.1	584.5	586.0
42.5°	543.4	546.3	550.7	556.6	562.5	568.3	572.8	578.6	581.6	584.5	586.0
45°	540.4	546.3	552.2	556.6	561.0	563.9	566.9	568.3	566.9	566.9	569.8
47.5°	536.0	541.9	543.4	541.9	543.4	541.9	541.9	541.9	537.5	536.0	536.0
50°	519.9	519.9	516.9	511.1	509.6	508.1	505.2	503.7	497.9	496.4	496.4
52.5°	486.1	484.6	480.2	472.9	470.0	467.0	465.5	464.1	458.2	455.3	456.7
55°	446.5	443.5	439.1	430.3	428.8	425.9	424.4	423.0	417.1	420.0	415.6
57.5°	409.7	403.9	398.0	396.5	390.6	389.2	387.7	386.2	381.8	383.3	380.4
60°	365.7	364.2	361.3	355.4	355.4	353.9	353.9	351.0	348.1	346.6	346.6
62.5°	333.4	329.0	326.0	326.0	321.6	321.6	321.6	318.7	315.7	317.2	315.7
65°	298.1	296.7	295.2	292.3	292.3	290.8	290.8	287.8	283.4	284.9	282.0
67.5°	268.8	265.8	262.9	261.4	255.5	252.6	251.1	249.7	243.8	245.3	242.3
70°	232.0	227.6	224.7	221.8	217.4	214.4	214.4	211.5	207.1	208.5	205.6
72.5°	193.9	190.9	188.0	186.5	182.1	180.6	179.2	177.7	173.3	174.8	173.3
75°	161.5	161.5	160.1	158.6	154.2	149.8	146.9	145.4	142.5	143.9	141.0
77.5°	133.6	130.7	127.8	127.8	123.4	120.4	117.5	117.5	117.5	116.0	114.6
80°	104.3	101.3	101.3	99.9	96.9	94.0	92.5	92.5	91.1	91.1	89.6
82.5°	79.3	76.4	74.9	74.9	72.0	70.5	69.0	67.6	67.6	67.6	66.1
85°	55.8	52.9	51.4	51.4	48.5	47.0	47.0	45.5	45.5	44.1	44.1
87.5°	33.8	32.3	30.8	30.8	27.9	26.4	26.4	26.4	25.0	25.0	23.5
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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3457.1	3457.1	3446.8	3449.7	3445.3	3451.2	3443.9	3443.9	3452.7	3452.7	3458.6
5°	3333.7	3326.4	3324.9	3322.0	3307.3	3313.2	3305.8	3298.5	3308.8	3308.8	3322.0
7.5°	3164.8	3151.6	3157.5	3148.7	3139.9	3126.6	3131.1	3125.2	3132.5	3142.8	3156.0
10°	3078.2	3066.4	3073.8	3065.0	3069.4	3050.3	3051.8	3053.2	3060.6	3063.5	3075.2
12.5°	3022.4	3019.4	3016.5	3013.6	3016.5	3006.2	3000.3	3001.8	3004.8	3006.2	3015.0
15°	2904.9	2885.8	2891.7	2871.1	2872.6	2874.0	2862.3	2874.0	2872.6	2891.7	2909.3
17.5°	2809.4	2809.4	2799.2	2790.3	2784.5	2783.0	2774.2	2780.1	2774.2	2785.9	2790.3
20°	2743.3	2741.9	2740.4	2736.0	2721.3	2722.8	2727.2	2714.0	2712.5	2711.0	2719.8
22.5°	2712.5	2714.0	2708.1	2708.1	2694.9	2697.8	2699.3	2684.6	2686.1	2681.7	2686.1
25°	2680.2	2683.1	2675.8	2675.8	2672.9	2671.4	2664.0	2667.0	2658.2	2650.8	2658.2
27.5°	2642.0	2647.9	2642.0	2644.9	2639.1	2636.1	2631.7	2628.8	2620.0	2618.5	2622.9
30°	2606.8	2609.7	2608.2	2600.9	2599.4	2590.6	2595.0	2586.2	2577.4	2578.9	2581.8
32.5°	1336.4	1276.2	984.0	888.5	879.7	912.0	1080.9	1315.9	1705.0	2082.5	2354.2
35°	583.0	583.0	583.0	581.6	581.6	580.1	578.6	577.2	575.7	574.2	572.8
37.5°	586.0	586.0	586.0	586.0	584.5	583.0	583.0	580.1	578.6	577.2	575.7
40°	587.4	588.9	588.9	588.9	587.4	587.4	586.0	583.0	581.6	578.6	575.7
42.5°	586.0	587.4	587.4	586.0	586.0	584.5	584.5	583.0	581.6	580.1	578.6
45°	566.9	568.3	565.4	565.4	563.9	563.9	563.9	563.9	563.9	565.4	565.4
47.5°	533.1	533.1	531.6	530.2	530.2	528.7	530.2	528.7	531.6	533.1	536.0
50°	493.4	493.4	490.5	489.0	489.0	489.0	489.0	490.5	492.0	494.9	497.9
52.5°	452.3	452.3	450.9	449.4	447.9	447.9	452.3	450.9	452.3	453.8	458.2
55°	412.7	414.1	411.2	411.2	409.7	409.7	409.7	411.2	412.7	414.1	418.6
57.5°	378.9	378.9	376.0	376.0	376.0	374.5	378.9	376.0	377.4	378.9	381.8
60°	345.1	343.7	343.7	342.2	342.2	342.2	345.1	343.7	343.7	345.1	348.1
62.5°	314.3	314.3	312.8	312.8	311.3	311.3	314.3	312.8	312.8	314.3	315.7
65°	279.0	279.0	277.6	276.1	280.5	276.1	280.5	277.6	280.5	282.0	284.9
67.5°	239.4	239.4	239.4	237.9	237.9	240.9	242.3	239.4	240.9	243.8	245.3
70°	204.1	204.1	202.7	202.7	202.7	205.6	207.1	204.1	205.6	207.1	210.0
72.5°	173.3	170.4	170.4	168.9	171.8	171.8	173.3	171.8	173.3	173.3	176.2
75°	142.5	139.5	139.5	139.5	142.5	141.0	142.5	141.0	142.5	142.5	143.9
77.5°	114.6	113.1	111.6	111.6	114.6	114.6	114.6	113.1	114.6	116.0	117.5
80°	89.6	88.1	86.6	86.6	89.6	89.6	89.6	91.1	89.6	91.1	92.5
82.5°	66.1	64.6	63.1	66.1	66.1	66.1	66.1	67.6	66.1	67.6	69.0
85°	44.1	42.6	41.1	44.1	44.1	44.1	44.1	45.5	44.1	45.5	47.0
87.5°	23.5	22.0	22.0	23.5	23.5	23.5	25.0	25.0	25.0	26.4	26.4
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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3467.4	3471.8	3470.3	3461.5	3452.7	3442.4	3435.1	3436.5	3451.2	3455.6	3442.4
5°	3322.0	3349.9	3349.9	3369.0	3358.7	3349.9	3355.8	3388.1	3404.2	3429.2	3438.0
7.5°	3172.2	3185.4	3183.9	3203.0	3200.1	3200.1	3204.5	3247.1	3267.6	3288.2	3294.1
10°	3088.5	3101.7	3100.2	3101.7	3097.3	3087.0	3087.0	3106.1	3123.7	3134.0	3136.9
12.5°	3028.3	3035.6	3034.1	3034.1	3031.2	3022.4	3020.9	3037.1	3056.2	3069.4	3070.8
15°	2938.7	2959.2	2963.6	2982.7	2978.3	2966.6	2969.5	2982.7	2994.5	3006.2	3001.8
17.5°	2805.0	2815.3	2816.8	2824.1	2821.2	2821.2	2838.8	2887.3	2919.6	2947.5	2950.4
20°	2728.7	2736.0	2733.1	2749.2	2741.9	2740.4	2744.8	2765.4	2780.1	2793.3	2816.8
22.5°	2691.9	2697.8	2693.4	2694.9	2681.7	2669.9	2667.0	2683.1	2699.3	2716.9	2716.9
25°	2661.1	2665.5	2664.0	2661.1	2650.8	2634.7	2631.7	2634.7	2640.5	2642.0	2631.7
27.5°	2624.4	2627.3	2627.3	2628.8	2615.6	2600.9	2598.0	2595.0	2600.9	2599.4	2583.3
30°	2586.2	2581.8	2583.3	2584.7	2573.0	2559.8	2553.9	2552.4	2558.3	2556.8	2540.7
32.5°	2495.2	2528.9	2531.9	2534.8	2524.5	2512.8	2506.9	2502.5	2505.4	2504.0	2489.3
35°	571.3	581.6	712.3	1612.5	2189.7	2424.7	2449.6	2443.8	2445.2	2445.2	2433.5
37.5°	572.8	571.3	569.8	565.4	561.0	558.1	964.9	2057.5	2383.5	2385.0	2374.7
40°	572.8	571.3	569.8	566.9	561.0	556.6	549.3	543.4	556.6	1224.8	2241.1
42.5°	575.7	572.8	569.8	566.9	561.0	555.1	549.3	541.9	546.3	543.4	536.0
45°	566.9	565.4	565.4	563.9	561.0	555.1	547.8	539.0	534.6	539.0	531.6
47.5°	539.0	540.4	544.9	546.3	546.3	547.8	543.4	537.5	530.2	534.6	525.8
50°	500.8	503.7	505.2	512.5	515.5	521.4	522.8	522.8	521.4	527.2	521.4
52.5°	459.7	462.6	470.0	472.9	475.8	484.6	487.6	492.0	494.9	503.7	509.6
55°	420.0	421.5	424.4	430.3	434.7	442.0	446.5	450.9	458.2	462.6	480.2
57.5°	383.3	384.8	390.6	392.1	395.1	400.9	405.3	411.2	417.1	420.0	440.6
60°	348.1	349.5	353.9	355.4	356.9	362.7	367.1	371.6	376.0	378.9	393.6
62.5°	317.2	317.2	321.6	321.6	323.1	327.5	330.4	333.4	337.8	339.2	346.6
65°	286.4	287.8	290.8	290.8	292.3	295.2	296.7	298.1	302.5	302.5	308.4
67.5°	248.2	249.7	254.1	257.0	258.5	264.3	265.8	267.3	270.2	271.7	274.6
70°	211.5	212.9	217.4	218.8	220.3	224.7	227.6	232.0	236.4	240.9	243.8
72.5°	177.7	179.2	183.6	183.6	188.0	189.4	192.4	193.9	198.3	201.2	205.6
75°	145.4	146.9	151.3	151.3	155.7	157.1	158.6	160.1	163.0	166.0	168.9
77.5°	119.0	119.0	124.8	127.8	130.7	130.7	132.2	132.2	132.2	133.6	136.6
80°	94.0	94.0	98.4	101.3	104.3	104.3	105.7	107.2	108.7	108.7	110.1
82.5°	70.5	70.5	74.9	76.4	79.3	79.3	79.3	80.8	82.2	80.8	83.7
85°	48.5	48.5	51.4	52.9	55.8	55.8	55.8	57.3	58.7	57.3	58.7
87.5°	27.9	29.4	30.8	32.3	33.8	35.2	35.2	35.2	36.7	36.7	38.2
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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3427.7	3410.1	3408.6	3388.1	3382.2	3383.7	3367.5	3361.6	3335.2	3329.3	3301.4
5°	3440.9	3449.7	3445.3	3443.9	3448.3	3445.3	3433.6	3427.7	3423.3	3411.6	3388.1
7.5°	3295.5	3301.4	3305.8	3324.9	3341.1	3369.0	3398.3	3417.4	3432.1	3435.1	3416.0
10°	3147.2	3175.1	3194.2	3223.6	3247.1	3263.2	3280.9	3297.0	3339.6	3382.2	3407.2
12.5°	3070.8	3078.2	3076.7	3092.9	3109.0	3151.6	3192.7	3216.2	3248.5	3267.6	3313.2
15°	3006.2	3007.7	3012.1	3023.8	3032.7	3047.3	3066.4	3101.7	3166.3	3195.7	3220.6
17.5°	2947.5	2947.5	2950.4	2960.7	2972.4	2985.7	2997.4	3012.1	3044.4	3092.9	3154.6
20°	2853.5	2894.6	2899.0	2897.5	2903.4	2928.4	2931.3	2957.8	2973.9	2993.0	3053.2
22.5°	2714.0	2738.9	2774.2	2828.5	2849.1	2860.8	2869.6	2881.4	2906.4	2928.4	2953.4
25°	2637.6	2653.8	2664.0	2680.2	2722.8	2791.8	2805.0	2818.2	2834.4	2850.6	2881.4
27.5°	2570.0	2568.6	2575.9	2590.6	2602.4	2639.1	2703.7	2755.1	2758.0	2781.5	2808.0
30°	2521.6	2512.8	2502.5	2499.6	2515.7	2534.8	2553.9	2634.7	2690.5	2702.2	2730.1
32.5°	2476.1	2461.4	2446.7	2434.9	2424.7	2440.8	2452.6	2487.8	2559.8	2627.3	2642.0
35°	2420.3	2405.6	2387.9	2374.7	2358.6	2357.1	2355.6	2389.4	2412.9	2493.7	2564.2
37.5°	2363.0	2346.8	2332.1	2317.5	2301.3	2289.5	2282.2	2291.0	2313.0	2348.3	2465.8
40°	2302.8	2283.7	2269.0	2257.2	2235.2	2226.4	2211.7	2205.8	2207.3	2238.1	2299.8
42.5°	1376.1	2194.1	2201.4	2188.2	2169.1	2157.4	2141.2	2133.9	2119.2	2133.9	2169.1
45°	530.2	536.0	1605.2	2120.7	2097.2	2082.5	2067.8	2060.4	2044.3	2032.5	2064.9
47.5°	519.9	525.8	514.0	728.4	2001.7	2006.1	1988.5	1981.1	1965.0	1956.2	1947.4
50°	512.5	516.9	508.1	511.1	500.8	1834.3	1907.7	1898.9	1881.3	1871.0	1853.4
52.5°	505.2	505.2	499.3	492.0	489.0	490.5	1543.5	1815.2	1794.6	1784.3	1760.9
55°	481.7	484.6	490.5	478.8	475.8	474.4	470.0	1470.1	1699.2	1687.4	1666.9
57.5°	446.5	452.3	468.5	465.5	465.5	453.8	450.9	450.9	1364.3	1589.0	1568.5
60°	405.3	411.2	428.8	434.7	439.1	436.2	433.2	431.8	425.9	1437.8	1464.2
62.5°	362.7	368.6	374.5	393.6	399.5	406.8	415.6	411.2	405.3	405.3	1354.0
65°	317.2	326.0	329.0	346.6	353.9	367.1	374.5	384.8	381.8	380.4	387.7
67.5°	277.6	287.8	289.3	296.7	309.9	315.7	324.6	343.7	352.5	355.4	358.3
70°	243.8	249.7	254.1	257.0	265.8	267.3	283.4	296.7	309.9	324.6	329.0
72.5°	210.0	214.4	223.2	220.3	223.2	229.1	237.9	246.7	259.9	280.5	293.7
75°	171.8	174.8	180.6	183.6	189.4	193.9	199.7	207.1	218.8	229.1	246.7
77.5°	138.0	139.5	143.9	145.4	151.3	155.7	166.0	170.4	177.7	185.0	195.3
80°	111.6	111.6	113.1	113.1	117.5	121.9	129.2	133.6	142.5	148.3	148.3
82.5°	85.2	85.2	89.6	89.6	92.5	92.5	96.9	96.9	101.3	104.3	107.2
85°	60.2	61.7	64.6	63.1	66.1	64.6	67.6	70.5	72.0	70.5	69.0
87.5°	39.7	39.7	42.6	41.1	42.6	42.6	45.5	45.5	47.0	47.0	45.5
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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3291.1	3269.1	3255.9	3239.7	3235.3	3230.9	3236.8	3236.8	3228.0	3220.6	3207.4
5°	3367.5	3344.0	3319.0	3292.6	3267.6	3241.2	3230.9	3229.5	3213.3	3204.5	3200.1
7.5°	3407.2	3395.4	3367.5	3330.8	3292.6	3245.6	3225.0	3213.3	3197.1	3194.2	3194.2
10°	3411.6	3398.3	3383.7	3357.2	3313.2	3251.5	3211.8	3188.3	3173.6	3183.9	3203.0
12.5°	3369.0	3393.9	3380.7	3363.1	3327.8	3252.9	3195.7	3160.4	3156.0	3182.5	3232.4
15°	3260.3	3333.7	3370.4	3352.8	3324.9	3250.0	3169.2	3128.1	3128.1	3182.5	3247.1
17.5°	3178.0	3235.3	3324.9	3339.6	3307.3	3244.1	3144.3	3095.8	3109.0	3188.3	3257.4
20°	3110.5	3145.7	3232.4	3314.6	3283.8	3230.9	3107.6	3057.6	3084.1	3179.5	3272.0
22.5°	3004.8	3075.2	3128.1	3250.0	3260.3	3206.0	3070.8	3010.6	3063.5	3179.5	3264.7
25°	2902.0	2987.1	3042.9	3161.9	3225.0	3175.1	3037.1	2960.7	3041.5	3175.1	3258.8
27.5°	2830.0	2869.6	2971.0	3056.2	3172.2	3134.0	2991.5	2906.4	3013.6	3151.6	3225.0
30°	2753.6	2780.1	2879.9	2960.7	3101.7	3087.0	2944.5	2846.1	2978.3	3129.6	3136.9
32.5°	2669.9	2699.3	2750.7	2868.2	3003.3	3042.9	2891.7	2785.9	2940.1	3095.8	3034.1
35°	2584.7	2606.8	2647.9	2774.2	2888.7	2976.9	2827.1	2716.9	2913.7	3044.4	2935.7
37.5°	2499.6	2523.1	2558.3	2664.0	2768.3	2915.2	2771.2	2647.9	2865.2	2953.4	2832.9
40°	2418.8	2432.0	2468.7	2534.8	2668.4	2852.0	2708.1	2575.9	2815.3	2837.3	2693.4
42.5°	2270.5	2336.5	2370.3	2423.2	2555.4	2765.4	2634.7	2499.6	2759.5	2721.3	2553.9
45°	2110.4	2254.3	2269.0	2321.9	2455.5	2672.9	2565.6	2424.7	2706.6	2621.5	2421.7
47.5°	1979.7	2083.9	2169.1	2213.2	2336.5	2564.2	2501.0	2361.5	2627.3	2495.2	2292.5
50°	1863.7	1919.5	2073.7	2106.0	2194.1	2433.5	2424.7	2288.1	2517.2	2336.5	2166.2
52.5°	1750.6	1790.2	1929.7	1998.8	2070.7	2292.5	2333.6	2216.1	2396.8	2177.9	2038.4
55°	1652.2	1665.4	1741.8	1887.2	1951.8	2150.0	2233.7	2132.4	2244.0	2026.7	1915.1
57.5°	1550.8	1539.1	1594.9	1781.4	1828.4	2004.6	2128.0	2047.2	2120.7	1872.5	1787.3
60°	1445.1	1428.9	1452.4	1575.8	1697.7	1860.7	2003.2	1953.2	1970.9	1719.7	1644.8
62.5°	1335.0	1318.8	1311.5	1389.3	1569.9	1712.4	1876.9	1849.0	1787.3	1580.2	1468.6
65°	1220.4	1204.3	1192.5	1223.3	1428.9	1520.0	1735.9	1728.5	1586.1	1433.4	1236.6
67.5°	371.6	1095.6	1070.6	1069.1	1204.3	1345.2	1583.2	1571.4	1383.4	1276.2	1064.7
70°	334.8	888.5	944.3	931.1	989.8	1167.5	1408.4	1399.6	1186.6	1023.6	941.4
72.5°	306.9	314.3	834.2	819.5	832.7	992.8	1226.3	1202.8	1006.0	807.7	813.6
75°	262.9	276.1	287.8	691.7	674.1	822.4	1028.0	991.3	829.8	666.7	680.0
77.5°	214.4	230.6	239.4	503.7	544.9	586.0	820.9	772.5	571.3	533.1	254.1
80°	160.1	173.3	188.0	201.2	414.1	409.7	609.5	561.0	398.0	331.9	198.3
82.5°	117.5	121.9	130.7	145.4	164.5	274.6	392.1	345.1	276.1	151.3	136.6
85°	73.4	79.3	83.7	88.1	99.9	164.5	193.9	154.2	116.0	92.5	86.6
87.5°	47.0	47.0	45.5	47.0	48.5	58.7	66.1	63.1	49.9	47.0	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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3192.7	3172.2	3172.2	3166.3	3170.7	3170.7	3169.2	3170.7	3181.0	3186.9	3197.1
5°	3191.3	3185.4	3198.6	3214.8	3233.9	3257.4	3263.2	3283.8	3302.9	3327.8	3354.3
7.5°	3210.4	3230.9	3255.9	3282.3	3320.5	3348.4	3373.4	3398.3	3416.0	3439.5	3454.1
10°	3238.3	3279.4	3322.0	3355.8	3396.9	3420.4	3436.5	3439.5	3414.5	3374.8	3342.5
12.5°	3277.9	3326.4	3366.0	3398.3	3417.4	3408.6	3361.6	3313.2	3285.3	3244.1	3186.9
15°	3311.7	3355.8	3396.9	3383.7	3332.3	3283.8	3247.1	3189.8	3134.0	3095.8	3070.8
17.5°	3326.4	3369.0	3354.3	3285.3	3236.8	3181.0	3106.1	3062.0	3025.3	2995.9	2981.3
20°	3335.2	3327.8	3248.5	3198.6	3104.6	3053.2	3004.8	2963.6	2935.7	2921.0	2918.1
22.5°	3311.7	3222.1	3154.6	3065.0	2995.9	2953.4	2915.2	2881.4	2862.3	2850.6	2843.2
25°	3233.9	3129.6	3029.7	2959.2	2900.5	2863.8	2834.4	2806.5	2783.0	2777.1	2762.4
27.5°	3125.2	3040.0	2907.8	2853.5	2802.1	2784.5	2752.2	2724.3	2703.7	2686.1	2639.1
30°	3035.6	2900.5	2805.0	2755.1	2724.3	2703.7	2667.0	2637.6	2602.4	2537.7	2511.3
32.5°	2925.5	2791.8	2700.8	2672.9	2634.7	2617.0	2575.9	2511.3	2457.0	2430.5	2429.1
35°	2783.0	2672.9	2606.8	2581.8	2551.0	2521.6	2436.4	2377.7	2351.2	2354.2	2376.2
37.5°	2664.0	2565.6	2523.1	2487.8	2452.6	2377.7	2305.7	2277.8	2285.1	2299.8	2310.1
40°	2543.6	2468.7	2420.3	2392.3	2313.0	2239.6	2201.4	2211.7	2224.9	2235.2	2248.4
42.5°	2426.1	2373.3	2324.8	2270.5	2161.8	2122.1	2130.9	2144.2	2155.9	2170.6	2183.8
45°	2314.5	2267.5	2211.7	2088.3	2034.0	2044.3	2057.5	2067.8	2085.4	2095.7	2108.9
47.5°	2208.8	2158.8	2060.4	1951.8	1945.9	1966.5	1978.2	1991.4	2004.6	1978.2	1091.2
50°	2089.8	2038.4	1888.6	1847.5	1860.7	1879.8	1894.5	1907.7	1699.2	675.6	519.9
52.5°	1972.3	1841.6	1746.2	1757.9	1771.1	1793.2	1803.4	1339.4	533.1	508.1	509.6
55°	1841.6	1674.2	1646.3	1661.0	1672.7	1694.8	1123.5	492.0	489.0	487.6	499.3
57.5°	1636.0	1534.7	1546.4	1561.1	1572.9	1110.3	478.8	475.8	477.3	478.8	480.2
60°	1452.4	1430.4	1443.6	1456.9	1031.0	462.6	453.8	455.3	461.1	456.7	445.0
62.5°	1307.1	1324.7	1337.9	1171.9	439.1	434.7	439.1	434.7	424.4	417.1	402.4
65°	1195.4	1213.1	1223.3	412.7	411.2	417.1	412.7	398.0	381.8	361.3	356.9
67.5°	1078.0	1095.6	392.1	381.8	387.7	380.4	362.7	345.1	333.4	315.7	308.4
70°	956.1	409.7	355.4	353.9	343.7	331.9	312.8	295.2	280.5	273.2	265.8
72.5°	690.2	324.6	320.2	308.4	290.8	274.6	258.5	248.2	240.9	236.4	232.0
75°	287.8	282.0	268.8	248.2	230.6	223.2	211.5	204.1	201.2	192.4	189.4
77.5°	240.9	229.1	210.0	195.3	185.0	180.6	171.8	163.0	158.6	157.1	151.3
80°	185.0	168.9	160.1	152.7	149.8	139.5	129.2	124.8	121.9	120.4	116.0
82.5°	126.3	120.4	114.6	104.3	104.3	99.9	95.5	92.5	89.6	89.6	86.6
85°	82.2	77.8	76.4	72.0	72.0	69.0	67.6	66.1	64.6	63.1	61.7
87.5°	47.0	47.0	48.5	47.0	47.0	45.5	44.1	42.6	41.1	41.1	38.2
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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3210.4	3225.0	3228.0	3277.9	3305.8	3304.3	3295.5	3322.0	3305.8	3297.0	3305.8
5°	3380.7	3398.3	3413.0	3467.4	3486.5	3495.3	3493.8	3508.5	3496.7	3486.5	3486.5
7.5°	3464.4	3470.3	3476.2	3463.0	3454.1	3439.5	3417.4	3385.1	3369.0	3351.3	3329.3
10°	3326.4	3307.3	3314.6	3288.2	3266.2	3250.0	3229.5	3203.0	3181.0	3164.8	3139.9
12.5°	3157.5	3156.0	3159.0	3163.4	3141.3	3128.1	3112.0	3092.9	3076.7	3059.1	3038.5
15°	3054.7	3056.2	3067.9	3063.5	3056.2	3048.8	3031.2	3025.3	3010.6	2991.5	2979.8
17.5°	2981.3	2988.6	3000.3	2994.5	2982.7	2975.4	2962.2	2948.9	2935.7	2921.0	2903.4
20°	2916.6	2924.0	2931.3	2924.0	2902.0	2891.7	2874.0	2832.9	2803.6	2774.2	2747.8
22.5°	2846.1	2850.6	2844.7	2821.2	2765.4	2738.9	2718.4	2706.6	2681.7	2665.5	2649.4
25°	2758.0	2733.1	2694.9	2668.4	2646.4	2634.7	2625.9	2624.4	2621.5	2618.5	2611.2
27.5°	2614.1	2605.3	2584.7	2574.5	2575.9	2580.3	2581.8	2586.2	2581.8	2575.9	2570.0
30°	2506.9	2511.3	2512.8	2515.7	2523.1	2527.5	2528.9	2534.8	2531.9	2527.5	2524.5
32.5°	2439.3	2449.6	2455.5	2464.3	2468.7	2476.1	2476.1	2484.9	2476.1	2474.6	2471.7
35°	2383.5	2392.3	2395.3	2408.5	2412.9	2420.3	2420.3	2427.6	2420.3	2345.4	1851.9
37.5°	2327.7	2336.5	2342.4	2354.2	2355.6	2360.0	2177.9	1593.4	1028.0	796.0	608.0
40°	2261.6	2271.9	2277.8	2282.2	1603.7	1017.7	700.5	569.8	569.8	574.2	578.6
42.5°	2191.2	2198.5	1531.7	891.4	555.1	553.7	558.1	562.5	566.9	572.8	578.6
45°	1722.7	869.4	552.2	539.0	543.4	549.3	555.1	561.0	568.3	574.2	577.2
47.5°	565.4	530.2	537.5	531.6	539.0	546.3	552.2	558.1	559.5	561.0	559.5
50°	522.8	522.8	527.2	527.2	533.1	536.0	536.0	536.0	530.2	528.7	524.3
52.5°	505.2	516.9	511.1	514.0	511.1	506.7	502.3	497.9	489.0	486.1	480.2
55°	496.4	500.8	486.1	481.7	475.8	464.1	458.2	452.3	445.0	442.0	434.7
57.5°	475.8	465.5	449.4	442.0	431.8	420.0	414.1	409.7	402.4	399.5	395.1
60°	437.6	417.1	406.8	398.0	386.2	376.0	371.6	368.6	362.7	361.3	356.9
62.5°	390.6	373.0	364.2	352.5	343.7	337.8	333.4	331.9	326.0	326.0	323.1
65°	339.2	330.4	323.1	311.3	306.9	301.1	299.6	298.1	295.2	293.7	290.8
67.5°	298.1	292.3	282.0	276.1	273.2	268.8	265.8	262.9	257.0	254.1	249.7
70°	261.4	257.0	246.7	242.3	236.4	229.1	224.7	221.8	217.4	214.4	210.0
72.5°	226.2	212.9	205.6	201.2	196.8	189.4	188.0	185.0	180.6	179.2	174.8
75°	182.1	171.8	167.4	164.5	160.1	155.7	155.7	155.7	151.3	149.8	148.3
77.5°	145.4	139.5	136.6	133.6	132.2	129.2	124.8	123.4	119.0	119.0	117.5
80°	111.6	108.7	105.7	104.3	102.8	99.9	96.9	95.5	91.1	91.1	89.6
82.5°	82.2	80.8	79.3	77.8	76.4	74.9	70.5	69.0	66.1	66.1	64.6
85°	58.7	57.3	54.3	52.9	52.9	51.4	47.0	45.5	42.6	42.6	42.6
87.5°	36.7	35.2	33.8	32.3	30.8	29.4	26.4	25.0	25.0	22.0	20.6
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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3288.2	3313.2	3310.2	3327.8	3332.3	3341.1	3344.0	3345.5	3323.4	3341.1	3342.5
5°	3482.1	3486.5	3489.4	3496.7	3504.1	3505.5	3498.2	3489.4	3492.3	3486.5	3471.8
7.5°	3326.4	3304.3	3299.9	3294.1	3291.1	3288.2	3275.0	3286.7	3273.5	3267.6	3247.1
10°	3135.5	3114.9	3113.4	3113.4	3117.8	3116.4	3113.4	3107.6	3119.3	3112.0	3107.6
12.5°	3035.6	3028.3	3032.7	3029.7	3041.5	3044.4	3041.5	3041.5	3038.5	3032.7	3035.6
15°	2975.4	2969.5	2973.9	2969.5	2978.3	2979.8	2972.4	2976.9	2969.5	2962.2	2959.2
17.5°	2896.1	2882.9	2872.6	2857.9	2859.4	2856.4	2847.6	2847.6	2840.3	2821.2	2822.6
20°	2743.3	2730.1	2724.3	2724.3	2731.6	2734.5	2733.1	2736.0	2728.7	2725.7	2714.0
22.5°	2647.9	2646.4	2649.4	2656.7	2668.4	2684.6	2686.1	2686.1	2686.1	2684.6	2669.9
25°	2614.1	2614.1	2617.0	2627.3	2636.1	2647.9	2650.8	2653.8	2650.8	2650.8	2637.6
27.5°	2575.9	2573.0	2578.9	2589.1	2599.4	2608.2	2615.6	2617.0	2612.6	2612.6	2617.0
30°	2528.9	2527.5	2534.8	2545.1	2553.9	2562.7	2570.0	2575.9	2570.0	2570.0	2565.6
32.5°	2480.5	2480.5	2483.4	2421.7	2245.5	2022.3	2026.7	1897.4	1807.8	1694.8	1844.6
35°	1547.9	1126.4	967.8	819.5	715.2	647.7	646.2	624.2	613.9	606.5	605.1
37.5°	584.5	587.4	593.3	596.3	600.7	603.6	605.1	605.1	605.1	605.1	603.6
40°	583.0	588.9	593.3	597.7	602.1	605.1	605.1	606.5	608.0	608.0	608.0
42.5°	584.5	590.4	596.3	600.7	603.6	605.1	606.5	608.0	608.0	608.0	608.0
45°	583.0	586.0	586.0	587.4	587.4	587.4	588.9	588.9	587.4	586.0	588.9
47.5°	561.0	561.0	556.6	555.1	553.7	550.7	552.2	550.7	549.3	547.8	550.7
50°	522.8	516.9	514.0	511.1	509.6	506.7	508.1	506.7	505.2	502.3	506.7
52.5°	477.3	475.8	470.0	467.0	465.5	467.0	464.1	462.6	461.1	459.7	461.1
55°	433.2	427.4	425.9	423.0	421.5	423.0	421.5	420.0	418.6	417.1	418.6
57.5°	393.6	389.2	387.7	384.8	384.8	384.8	384.8	383.3	381.8	380.4	381.8
60°	355.4	352.5	351.0	351.0	349.5	349.5	349.5	348.1	346.6	346.6	348.1
62.5°	323.1	323.1	318.7	317.2	317.2	318.7	317.2	315.7	314.3	312.8	315.7
65°	289.3	283.4	282.0	279.0	276.1	277.6	276.1	274.6	273.2	271.7	274.6
67.5°	248.2	246.7	240.9	237.9	236.4	237.9	236.4	235.0	233.5	232.0	235.0
70°	208.5	208.5	202.7	201.2	199.7	199.7	198.3	198.3	196.8	195.3	198.3
72.5°	173.3	173.3	171.8	168.9	167.4	166.0	164.5	163.0	163.0	164.5	164.5
75°	143.9	141.0	135.1	136.6	135.1	133.6	133.6	132.2	130.7	133.6	132.2
77.5°	113.1	111.6	107.2	108.7	107.2	105.7	105.7	104.3	102.8	104.3	104.3
80°	85.2	85.2	83.7	82.2	82.2	80.8	79.3	79.3	77.8	79.3	79.3
82.5°	61.7	61.7	60.2	58.7	57.3	57.3	55.8	55.8	55.8	55.8	55.8
85°	39.7	38.2	38.2	35.2	35.2	35.2	33.8	33.8	33.8	33.8	33.8
87.5°	19.1	19.1	17.6	17.6	16.2	14.7	14.7	13.2	13.2	14.7	14.7
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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3316.1	3335.2	3319.0	3326.4	3327.8	3352.8	3351.3	3357.2	3346.9	3335.2	3319.0
5°	3485.0	3476.2	3464.4	3492.3	3477.6	3495.3	3501.1	3512.9	3512.9	3511.4	3498.2
7.5°	3269.1	3250.0	3264.7	3275.0	3279.4	3267.6	3291.1	3317.6	3339.6	3352.8	3354.3
10°	3100.2	3106.1	3104.6	3109.0	3119.3	3117.8	3132.5	3147.2	3153.1	3161.9	3164.8
12.5°	3020.9	3019.4	3022.4	3032.7	3038.5	3037.1	3051.8	3060.6	3063.5	3065.0	3063.5
15°	2957.8	2947.5	2954.8	2956.3	2960.7	2960.7	2978.3	2991.5	2997.4	3000.3	2997.4
17.5°	2838.8	2813.8	2837.3	2837.3	2853.5	2850.6	2878.5	2900.5	2912.2	2921.0	2921.0
20°	2721.3	2709.6	2718.4	2715.4	2727.2	2725.7	2743.3	2758.0	2768.3	2775.7	2784.5
22.5°	2674.3	2677.3	2664.0	2665.5	2665.5	2664.0	2672.9	2680.2	2683.1	2687.5	2684.6
25°	2643.5	2646.4	2642.0	2634.7	2631.7	2634.7	2639.1	2647.9	2649.4	2646.4	2636.1
27.5°	2612.6	2603.8	2611.2	2598.0	2595.0	2600.9	2606.8	2608.2	2609.7	2609.7	2600.9
30°	2565.6	2558.3	2565.6	2559.8	2553.9	2559.8	2564.2	2564.2	2567.1	2568.6	2558.3
32.5°	1793.2	1807.8	2045.8	2189.7	2392.3	2495.2	2514.2	2514.2	2517.2	2517.2	2508.4
35°	610.9	612.4	662.3	718.1	837.1	984.0	1176.3	1276.2	1614.0	2017.9	2408.5
37.5°	603.6	602.1	600.7	599.2	597.7	596.3	593.3	591.8	600.7	712.3	966.3
40°	606.5	605.1	602.1	600.7	599.2	596.3	594.8	591.8	588.9	586.0	583.0
42.5°	606.5	605.1	603.6	602.1	600.7	599.2	596.3	593.3	590.4	586.0	581.6
45°	586.0	586.0	587.4	587.4	588.9	588.9	588.9	587.4	587.4	586.0	580.1
47.5°	547.8	547.8	552.2	552.2	555.1	558.1	558.1	561.0	565.4	568.3	569.8
50°	503.7	503.7	508.1	509.6	512.5	516.9	521.4	522.8	527.2	533.1	539.0
52.5°	459.7	459.7	464.1	464.1	467.0	471.4	475.8	477.3	483.2	489.0	496.4
55°	418.6	418.6	421.5	423.0	424.4	427.4	431.8	431.8	437.6	442.0	449.4
57.5°	381.8	384.8	384.8	384.8	386.2	389.2	392.1	392.1	396.5	400.9	406.8
60°	346.6	349.5	349.5	349.5	351.0	352.5	355.4	355.4	358.3	361.3	367.1
62.5°	314.3	317.2	317.2	318.7	318.7	320.2	323.1	321.6	324.6	326.0	330.4
65°	273.2	276.1	277.6	279.0	280.5	283.4	287.8	286.4	290.8	293.7	298.1
67.5°	233.5	236.4	236.4	237.9	239.4	242.3	245.3	245.3	249.7	252.6	258.5
70°	196.8	199.7	199.7	201.2	202.7	205.6	208.5	207.1	211.5	214.4	218.8
72.5°	163.0	166.0	166.0	167.4	167.4	170.4	173.3	176.2	176.2	179.2	182.1
75°	132.2	133.6	135.1	135.1	136.6	138.0	141.0	143.9	145.4	146.9	149.8
77.5°	104.3	105.7	107.2	107.2	108.7	110.1	111.6	117.5	120.4	121.9	121.9
80°	79.3	80.8	80.8	80.8	82.2	83.7	86.6	86.6	92.5	92.5	94.0
82.5°	55.8	57.3	57.3	57.3	58.7	61.7	63.1	64.6	67.6	69.0	69.0
85°	33.8	35.2	35.2	35.2	36.7	38.2	41.1	42.6	44.1	44.1	45.5
87.5°	13.2	14.7	16.2	16.2	17.6	19.1	20.6	22.0	23.5	23.5	25.0
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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3301.4	3311.7	3301.4	3307.3	3314.6	3301.4	3270.6	3258.8	3254.4	3236.8	3225.0
5°	3485.0	3485.0	3480.6	3492.3	3490.9	3470.3	3438.0	3423.3	3408.6	3389.5	3374.8
7.5°	3354.3	3366.0	3373.4	3418.9	3448.3	3451.2	3471.8	3476.2	3482.1	3476.2	3467.4
10°	3166.3	3161.9	3182.5	3225.0	3250.0	3263.2	3302.9	3322.0	3338.1	3370.4	3404.2
12.5°	3060.6	3066.4	3075.2	3106.1	3129.6	3123.7	3139.9	3153.1	3172.2	3204.5	3252.9
15°	2990.1	2995.9	3004.8	3028.3	3042.9	3035.6	3044.4	3053.2	3066.4	3082.6	3112.0
17.5°	2913.7	2924.0	2934.3	2959.2	2972.4	2971.0	2978.3	2981.3	2985.7	2995.9	3016.5
20°	2794.7	2827.1	2847.6	2881.4	2900.5	2897.5	2910.8	2915.2	2921.0	2931.3	2940.1
22.5°	2686.1	2694.9	2705.2	2741.9	2774.2	2813.8	2822.6	2834.4	2849.1	2859.4	2868.2
25°	2624.4	2618.5	2622.9	2647.9	2665.5	2668.4	2681.7	2719.8	2759.5	2777.1	2797.7
27.5°	2587.7	2581.8	2580.3	2592.1	2595.0	2587.7	2584.7	2596.5	2625.9	2655.2	2716.9
30°	2548.0	2540.7	2534.8	2545.1	2549.5	2539.2	2520.1	2509.8	2527.5	2534.8	2559.8
32.5°	2501.0	2493.7	2490.7	2496.6	2499.6	2490.7	2470.2	2458.4	2455.5	2449.6	2455.5
35°	2448.2	2440.8	2436.4	2437.9	2443.8	2436.4	2418.8	2404.1	2396.8	2380.6	2368.9
37.5°	1261.5	1787.3	2320.4	2376.2	2382.1	2380.6	2363.0	2346.8	2339.5	2320.4	2314.5
40°	577.2	644.7	967.8	1264.5	1824.0	2317.5	2301.3	2285.1	2271.9	2266.0	2244.0
42.5°	575.7	577.2	578.6	571.3	707.9	1205.7	1779.9	2222.0	2213.2	2198.5	2182.3
45°	575.7	568.3	574.2	565.4	568.3	566.9	706.4	1139.6	2028.1	2119.2	2111.8
47.5°	569.8	565.4	571.3	563.9	555.1	559.5	553.7	561.0	875.3	1484.8	2034.0
50°	543.4	546.3	556.6	555.1	547.8	553.7	543.4	552.2	544.9	597.7	1151.4
52.5°	503.7	509.6	519.9	528.7	531.6	539.0	536.0	539.0	533.1	534.6	536.0
55°	456.7	464.1	472.9	486.1	492.0	503.7	512.5	516.9	524.3	522.8	511.1
57.5°	412.7	420.0	427.4	440.6	453.8	459.7	475.8	484.6	503.7	499.3	496.4
60°	371.6	377.4	384.8	387.7	403.9	414.1	428.8	437.6	462.6	468.5	477.3
62.5°	334.8	337.8	343.7	348.1	358.3	368.6	376.0	390.6	403.9	423.0	436.2
65°	301.1	304.0	308.4	311.3	312.8	327.5	331.9	348.1	352.5	373.0	384.8
67.5°	262.9	268.8	274.6	277.6	280.5	289.3	292.3	299.6	309.9	318.7	333.4
70°	223.2	227.6	233.5	237.9	243.8	249.7	258.5	262.9	270.2	276.1	287.8
72.5°	186.5	190.9	193.9	198.3	202.7	207.1	214.4	224.7	230.6	240.9	243.8
75°	151.3	155.7	158.6	161.5	166.0	168.9	171.8	182.1	188.0	196.8	205.6
77.5°	124.8	124.8	127.8	136.6	135.1	135.1	138.0	143.9	148.3	154.2	163.0
80°	96.9	98.4	99.9	107.2	108.7	110.1	108.7	113.1	117.5	119.0	124.8
82.5°	72.0	73.4	73.4	77.8	82.2	82.2	82.2	83.7	88.1	89.6	92.5
85°	48.5	49.9	51.4	52.9	55.8	57.3	58.7	58.7	61.7	63.1	64.6
87.5°	26.4	29.4	30.8	32.3	33.8	35.2	36.7	38.2	39.7	41.1	42.6
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: 4SNLED-LD5-76SL-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°	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5	3204.5
2.5°	3220.6	3213.3	3208.9	3197.1	3194.2	3175.1	3178.0	3175.1	3175.1	3179.5	3194.2
5°	3358.7	3323.4	3314.6	3289.7	3269.1	3233.9	3211.8	3200.1	3182.5	3175.1	3185.4
7.5°	3452.7	3426.2	3404.2	3382.2	3352.8	3311.7	3280.9	3245.6	3216.2	3188.3	3181.0
10°	3436.5	3465.9	3465.9	3452.7	3424.8	3383.7	3346.9	3302.9	3251.5	3207.4	3181.0
12.5°	3299.9	3351.3	3392.5	3423.3	3451.2	3423.3	3386.6	3351.3	3294.1	3229.5	3181.0
15°	3150.1	3203.0	3254.4	3319.0	3386.6	3414.5	3413.0	3371.9	3320.5	3252.9	3185.4
17.5°	3044.4	3081.1	3109.0	3179.5	3261.8	3333.7	3382.2	3385.1	3335.2	3275.0	3186.9
20°	2965.1	2991.5	3015.0	3054.7	3126.6	3214.8	3304.3	3354.3	3345.5	3279.4	3191.3
22.5°	2893.1	2912.2	2931.3	2960.7	3018.0	3075.2	3179.5	3282.3	3326.4	3272.0	3186.9
25°	2821.2	2841.7	2856.4	2877.0	2922.5	2969.5	3042.9	3170.7	3269.1	3266.2	3178.0
27.5°	2736.0	2763.9	2781.5	2809.4	2840.3	2875.5	2925.5	3045.9	3186.9	3236.8	3154.6
30°	2633.2	2674.3	2700.8	2731.6	2758.0	2788.9	2828.5	2902.0	3076.7	3179.5	3129.6
32.5°	2484.9	2558.3	2617.0	2646.4	2675.8	2702.2	2737.5	2799.2	2941.6	3101.7	3101.7
35°	2379.1	2412.9	2465.8	2551.0	2587.7	2614.1	2646.4	2694.9	2785.9	3009.2	3056.2
37.5°	2296.9	2310.1	2336.5	2420.3	2489.3	2531.9	2564.2	2595.0	2684.6	2882.9	2997.4
40°	2235.2	2230.8	2227.9	2267.5	2365.9	2433.5	2470.2	2501.0	2570.0	2731.6	2919.6
42.5°	2163.2	2158.8	2144.2	2154.4	2202.9	2316.0	2371.8	2405.6	2462.8	2573.0	2834.4
45°	2088.3	2081.0	2075.1	2064.9	2082.5	2145.6	2260.2	2310.1	2342.4	2440.8	2727.2
47.5°	2012.0	2001.7	1994.4	1985.5	1975.3	2004.6	2113.3	2202.9	2258.7	2320.4	2598.0
50°	1903.3	1916.5	1907.7	1897.4	1888.6	1882.7	1928.3	2075.1	2144.2	2194.1	2440.8
52.5°	897.3	1744.7	1818.1	1807.8	1796.1	1785.8	1796.1	1907.7	2032.5	2072.2	2251.4
55°	511.1	776.9	1616.9	1709.5	1699.2	1684.5	1675.7	1713.9	1900.4	1953.2	2078.1
57.5°	492.0	493.4	713.7	1540.6	1597.8	1584.6	1574.3	1583.2	1741.8	1831.3	1926.8
60°	475.8	475.8	475.8	681.4	1473.0	1477.4	1464.2	1449.5	1518.5	1694.8	1774.1
62.5°	440.6	449.4	453.8	453.8	672.6	1364.3	1351.1	1346.7	1349.6	1530.3	1621.3
65°	395.1	415.6	424.4	430.3	430.3	706.4	1235.1	1227.7	1217.5	1286.5	1467.1
67.5°	345.1	365.7	384.8	396.5	398.0	411.2	737.2	1105.9	1091.2	1092.6	1302.6
70°	293.7	311.3	331.9	349.5	365.7	373.0	384.8	917.9	966.3	945.8	1116.1
72.5°	254.1	261.4	276.1	293.7	312.8	330.4	340.7	365.7	838.6	816.5	848.9
75°	211.5	217.4	227.6	239.4	254.1	274.6	292.3	309.9	445.0	684.4	680.0
77.5°	164.5	174.8	186.5	193.9	201.2	215.9	239.4	257.0	274.6	462.6	544.9
80°	126.3	133.6	139.5	146.9	155.7	166.0	174.8	195.3	215.9	232.0	417.1
82.5°	94.0	98.4	102.8	105.7	108.7	114.6	130.7	138.0	151.3	166.0	196.8
85°	66.1	69.0	72.0	73.4	74.9	76.4	82.2	83.7	96.9	99.9	119.0
87.5°	42.6	44.1	47.0	48.5	48.5	49.9	51.4	51.4	51.4	48.5	58.7
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: 4SNLED-LD5-76SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3204.5	3204.5
2.5°	3206.0	3229.5
5°	3201.5	3232.4
7.5°	3189.8	3219.2
10°	3172.2	3207.4
12.5°	3153.1	3186.9
15°	3136.9	3161.9
17.5°	3119.3	3134.0
20°	3095.8	3107.6
22.5°	3072.3	3066.4
25°	3045.9	3032.7
27.5°	3012.1	2987.1
30°	2981.3	2937.2
32.5°	2951.9	2879.9
35°	2912.2	2821.2
37.5°	2871.1	2761.0
40°	2822.6	2691.9
42.5°	2771.2	2622.9
45°	2706.6	2556.8
47.5°	2649.4	2477.5
50°	2570.0	2392.3
52.5°	2473.1	2313.0
55°	2358.6	2216.1
57.5°	2235.2	2114.8
60°	2103.0	1998.8
62.5°	1943.0	1878.3
65°	1755.0	1740.3
67.5°	1509.7	1587.6
70°	1238.0	1412.8
72.5°	1035.4	1227.7
75°	848.9	1020.7
77.5°	672.6	800.4
80°	420.0	586.0
82.5°	282.0	384.8
85°	170.4	183.6
87.5°	66.1	67.6
90°	0.0	0.0

(END OF REPORT)