

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

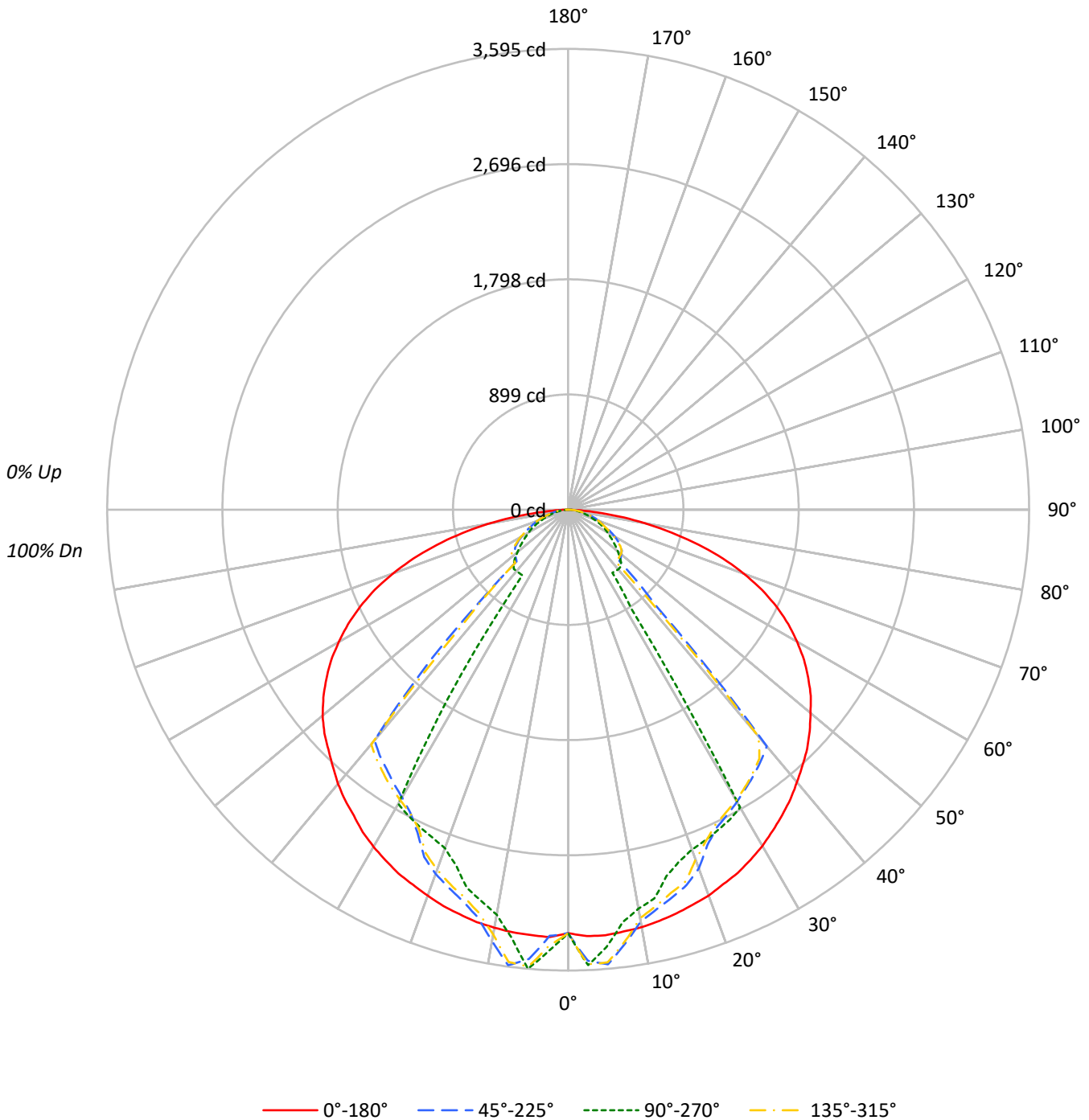
Lumens per Lamp: N/A
Luminaire Lumens: 6616.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L940-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	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°	13349	13349	13349	13349
5°	13498	13450	13492	14116
10°	13530	12160	13549	12347
15°	13580	11251	13611	11608
20°	13698	10671	13698	10631
25°	13839	10467	13859	10369
30°	14002	10282	14038	10161
35°	14192	2342	14221	2442
40°	14449	2436	14536	2515
45°	14831	2422	14883	2510
50°	15221	2190	15427	2249
55°	15744	1944	15869	1972
60°	16214	1728	16250	1750
65°	16599	1508	16556	1484
70°	16499	1215	16448	1171
75°	15523	935	15635	896
80°	12912	664	13432	608
85°	7446	398	7863	305



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.1	4.9
10°-20°	893.8	13.5
20°-30°	1323.8	20.0
30°-40°	1333.9	20.2
40°-50°	1041.9	15.7
50°-60°	804.8	12.2
60°-70°	540.4	8.2
70°-80°	275.6	4.2
80°-90°	76.7	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°	2542.6	38.4
0°-40°	3876.5	58.6
0°-60°	5723.3	86.5
0°-90°	6616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6616.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3304	3304	3304	3304	3304	
5°	3333	3425	3331	3595	3333	317
15°	3260	2960	3268	3054	3260	922
25°	3127	2759	3131	2733	3127	1442
35°	2909	600	2915	625	2909	1823
45°	2636	583	2645	604	2636	2033
55°	2285	424	2303	430	2285	2041
65°	1794	285	1790	280	1794	1765
75°	1052	144	1060	138	1052	1101
85°	189	45	200	35	189	260
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3329.6	3341.7	3350.8	3356.9	3359.9	3359.9	3361.4	3362.9	3382.6	3391.7	3397.7
5°	3332.6	3344.7	3362.9	3387.1	3408.3	3426.5	3441.6	3462.8	3484.0	3506.8	3514.3
7.5°	3319.0	3334.1	3370.5	3414.4	3455.3	3484.0	3503.7	3517.4	3528.0	3529.5	3537.0
10°	3306.9	3334.1	3384.1	3441.6	3493.1	3528.0	3528.0	3520.4	3531.0	3490.1	3449.2
12.5°	3285.7	3316.0	3384.1	3459.8	3508.3	3521.9	3515.8	3485.6	3423.5	3373.5	3350.8
15°	3260.0	3300.8	3385.6	3470.4	3511.3	3515.8	3458.3	3381.1	3334.1	3303.9	3266.0
17.5°	3231.2	3285.7	3387.1	3471.9	3487.1	3465.9	3356.9	3308.4	3260.0	3188.8	3137.3
20°	3203.9	3256.9	3375.0	3450.7	3459.8	3364.4	3279.6	3228.2	3146.4	3084.3	3061.6
22.5°	3161.5	3223.6	3364.4	3422.0	3387.1	3276.6	3194.8	3113.1	3038.9	3020.7	2993.5
25°	3126.7	3191.8	3340.2	3387.1	3294.8	3196.4	3101.0	3005.6	2970.7	2945.0	2920.8
27.5°	3079.8	3160.0	3308.4	3323.5	3196.4	3110.0	2970.7	2928.4	2896.6	2867.8	2857.2
30°	3028.3	3126.7	3264.5	3235.7	3114.6	2987.4	2884.4	2845.1	2822.4	2792.1	2780.0
32.5°	2969.2	3076.7	3216.0	3134.3	3026.8	2867.8	2801.2	2770.9	2740.6	2717.9	2642.2
35°	2908.7	3032.8	3158.5	3037.4	2920.8	2776.9	2717.9	2690.6	2661.9	2578.6	2499.9
37.5°	2846.6	2984.4	3088.9	2932.9	2780.0	2683.1	2633.1	2602.8	2537.7	2431.7	2392.3
40°	2775.4	2925.3	2999.5	2825.4	2657.3	2587.7	2540.7	2510.4	2363.6	2316.6	2304.5
42.5°	2704.3	2867.8	2890.5	2720.9	2555.9	2486.2	2446.9	2346.9	2247.0	2222.8	2227.3
45°	2636.1	2805.7	2770.9	2572.5	2449.9	2392.3	2325.7	2187.9	2134.9	2147.1	2150.1
47.5°	2554.4	2731.5	2645.2	2424.1	2340.9	2283.3	2134.9	2051.7	2044.1	2060.7	2069.8
50°	2466.5	2648.2	2512.0	2289.4	2222.8	2154.6	1986.6	1944.2	1953.2	1969.9	1980.5
52.5°	2384.8	2554.4	2374.2	2163.7	2106.2	1950.2	1836.7	1844.2	1859.4	1879.1	1885.1
55°	2284.8	2440.8	2227.3	2036.5	1982.0	1777.6	1726.1	1744.3	1759.4	1776.1	1788.2
57.5°	2180.4	2310.6	2053.2	1894.2	1806.4	1624.7	1629.2	1641.3	1651.9	1671.6	690.4
60°	2060.7	2162.2	1862.4	1762.5	1588.3	1503.5	1508.1	1529.3	1539.9	860.0	475.4
62.5°	1936.6	1989.6	1689.8	1612.6	1388.5	1382.4	1403.6	1412.7	961.5	454.2	445.2
65°	1794.3	1783.7	1520.2	1397.6	1252.2	1258.3	1281.0	1235.5	425.5	425.5	422.4
67.5°	1636.8	1573.2	1355.2	1156.8	1120.5	1134.1	1158.3	404.3	393.7	396.7	386.1
70°	1456.6	1367.3	1184.1	979.7	991.8	1005.4	390.6	366.4	361.9	354.3	333.1
72.5°	1265.8	1143.2	969.1	850.9	858.5	539.0	342.2	330.1	314.9	299.8	277.1
75°	1052.3	893.3	711.6	711.6	722.2	307.4	298.3	278.6	261.9	242.3	228.6
77.5°	825.2	687.4	552.7	573.9	280.1	257.4	240.7	219.6	205.9	193.8	186.2
80°	604.1	480.0	416.4	372.5	218.0	195.3	178.7	166.6	160.5	152.9	143.8
82.5°	396.7	289.2	289.2	175.6	152.9	134.8	130.2	121.1	115.1	110.5	106.0
85°	189.3	168.1	127.2	107.5	95.4	86.3	83.3	78.7	78.7	77.2	75.7
87.5°	69.7	75.7	56.0	54.5	51.5	50.0	51.5	51.5	53.0	51.5	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



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3412.9	3425.0	3434.1	3449.2	3468.9	3485.6	3500.7	3521.9	3555.2	3564.3	3571.9
5°	3514.3	3518.9	3529.5	3541.6	3544.6	3552.2	3550.7	3559.8	3564.3	3574.9	3552.2
7.5°	3520.4	3496.2	3467.4	3441.6	3423.5	3406.8	3396.2	3412.9	3422.0	3429.5	3406.8
10°	3393.2	3364.4	3347.8	3332.6	3314.5	3288.7	3253.9	3261.5	3258.4	3258.4	3250.9
12.5°	3312.9	3272.1	3229.7	3191.8	3175.2	3173.6	3175.2	3191.8	3191.8	3190.3	3181.2
15°	3187.3	3147.9	3126.7	3117.6	3117.6	3113.1	3113.1	3131.2	3126.7	3126.7	3122.2
17.5°	3104.0	3076.7	3061.6	3051.0	3046.5	3054.0	3063.1	3070.7	3072.2	3066.1	3041.9
20°	3035.9	3010.1	2991.9	2995.0	2993.5	2998.0	3002.5	2976.8	2945.0	2902.6	2882.9
22.5°	2964.7	2945.0	2931.4	2931.4	2913.2	2884.4	2842.0	2833.0	2828.4	2808.7	2792.1
25°	2896.6	2873.8	2854.2	2793.6	2755.7	2760.3	2752.7	2737.6	2736.1	2734.5	2740.6
27.5°	2828.4	2769.4	2693.7	2684.6	2669.4	2667.9	2677.0	2684.6	2684.6	2690.6	2698.2
30°	2687.6	2619.5	2605.8	2589.2	2595.2	2616.4	2621.0	2631.6	2634.6	2645.2	2651.3
32.5°	2558.9	2528.6	2516.5	2524.1	2543.8	2561.9	2572.5	2577.1	2584.6	2593.7	2601.3
35°	2454.4	2445.3	2455.9	2472.6	2492.3	2507.4	2516.5	2525.6	2533.2	2540.7	2546.8
37.5°	2377.2	2383.3	2398.4	2419.6	2439.3	2451.4	2459.0	2469.6	2480.2	2489.3	2452.9
40°	2304.5	2319.7	2336.3	2359.0	2375.7	2387.8	2395.4	2409.0	2318.2	1049.3	575.4
42.5°	2240.9	2257.6	2269.7	2287.9	2306.0	2315.1	2248.5	1003.9	567.8	564.8	572.3
45°	2163.7	2177.3	2197.0	2210.6	2227.3	1462.7	558.7	564.8	555.7	561.7	564.8
47.5°	2085.0	2106.2	2116.8	2019.9	601.1	555.7	549.6	555.7	549.6	557.2	552.7
50°	1995.6	2021.4	1438.4	543.6	539.0	536.0	542.1	539.0	543.6	549.6	537.5
52.5°	1904.8	1179.5	526.9	523.9	526.9	523.9	534.5	526.9	528.4	522.4	507.2
55°	645.0	510.3	505.7	504.2	513.3	513.3	513.3	501.2	493.6	478.5	467.9
57.5°	493.6	493.6	492.1	493.6	490.6	487.6	473.9	463.3	452.7	431.5	425.5
60°	467.9	467.9	467.9	467.9	454.2	448.2	427.0	417.9	399.7	389.1	383.1
62.5°	446.7	443.6	430.0	425.5	410.3	393.7	381.6	372.5	354.3	348.3	343.7
65°	416.4	405.8	389.1	371.0	363.4	345.2	339.2	325.5	316.5	311.9	308.9
67.5°	366.4	351.3	337.7	325.5	311.9	305.9	298.3	287.7	281.6	278.6	275.6
70°	313.4	302.8	289.2	281.6	272.5	268.0	257.4	254.4	249.8	245.3	240.7
72.5°	261.9	255.9	249.8	239.2	236.2	233.2	222.6	216.5	210.5	204.4	201.4
75°	219.6	215.0	212.0	202.9	198.4	189.3	181.7	177.2	172.6	168.1	165.0
77.5°	180.2	177.2	168.1	162.0	159.0	151.4	148.4	149.9	146.9	140.8	137.8
80°	140.8	137.8	130.2	130.2	127.2	124.2	121.1	118.1	115.1	110.5	107.5
82.5°	107.5	104.5	101.4	98.4	95.4	93.9	92.4	89.3	86.3	83.3	81.8
85°	75.7	74.2	72.7	71.2	69.7	68.1	66.6	63.6	60.6	59.1	57.5
87.5°	51.5	50.0	48.5	46.9	45.4	43.9	42.4	40.9	37.9	36.3	34.8
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3571.9	3579.4	3571.9	3555.2	3544.6	3540.1	3549.2	3549.2	3555.2	3562.8	3564.3
5°	3515.8	3497.7	3476.5	3455.3	3444.7	3438.6	3422.0	3425.0	3429.5	3432.6	3435.6
7.5°	3376.5	3352.3	3323.5	3296.3	3285.7	3276.6	3256.9	3256.9	3256.9	3258.4	3267.5
10°	3234.2	3223.6	3211.5	3193.3	3179.7	3175.2	3158.5	3163.0	3160.0	3164.6	3175.2
12.5°	3167.6	3155.5	3144.9	3126.7	3111.6	3105.5	3097.9	3102.5	3101.0	3108.5	3117.6
15°	3107.0	3101.0	3088.9	3075.2	3061.6	3049.5	3022.2	3013.1	3007.1	2999.5	3010.1
17.5°	3007.1	2964.7	2935.9	2914.7	2899.6	2889.0	2881.4	2881.4	2886.0	2890.5	2899.6
20°	2870.8	2858.7	2845.1	2822.4	2807.2	2801.2	2796.6	2796.6	2804.2	2810.2	2826.9
22.5°	2776.9	2775.4	2770.9	2760.3	2752.7	2752.7	2754.2	2757.3	2767.9	2776.9	2793.6
25°	2733.0	2739.1	2736.1	2730.0	2725.5	2727.0	2723.9	2727.0	2737.6	2746.7	2760.3
27.5°	2698.2	2707.3	2704.3	2695.2	2687.6	2690.6	2695.2	2692.1	2701.2	2711.8	2722.4
30°	2651.3	2652.8	2658.8	2648.2	2645.2	2649.8	2651.3	2654.3	2663.4	2670.9	2680.0
32.5°	2598.3	2610.4	2608.9	2598.3	2598.3	2602.8	2604.3	2502.9	2313.6	1992.6	1904.8
35°	2546.8	2560.4	2537.7	2139.5	1480.8	790.4	610.2	589.0	593.5	596.6	599.6
37.5°	1883.6	893.3	569.3	573.9	578.4	582.9	587.5	592.0	596.6	601.1	602.6
40°	566.3	564.8	569.3	575.4	579.9	582.9	589.0	593.5	598.1	602.6	604.1
42.5°	560.2	563.3	567.8	573.9	579.9	586.0	590.5	596.6	599.6	602.6	604.1
45°	557.2	563.3	569.3	573.9	578.4	581.4	584.5	586.0	584.5	584.5	587.5
47.5°	552.7	558.7	560.2	558.7	560.2	558.7	558.7	558.7	554.2	552.7	552.7
50°	536.0	536.0	533.0	526.9	525.4	523.9	520.9	519.4	513.3	511.8	511.8
52.5°	501.2	499.7	495.1	487.6	484.5	481.5	480.0	478.5	472.4	469.4	470.9
55°	460.3	457.3	452.7	443.6	442.1	439.1	437.6	436.1	430.0	433.0	428.5
57.5°	422.4	416.4	410.3	408.8	402.8	401.2	399.7	398.2	393.7	395.2	392.2
60°	377.0	375.5	372.5	366.4	366.4	364.9	364.9	361.9	358.9	357.3	357.3
62.5°	343.7	339.2	336.1	336.1	331.6	331.6	331.6	328.6	325.5	327.1	325.5
65°	307.4	305.9	304.3	301.3	301.3	299.8	299.8	296.8	292.2	293.7	290.7
67.5°	277.1	274.1	271.0	269.5	263.5	260.4	258.9	257.4	251.3	252.9	249.8
70°	239.2	234.7	231.7	228.6	224.1	221.1	221.1	218.0	213.5	215.0	212.0
72.5°	199.9	196.8	193.8	192.3	187.8	186.2	184.7	183.2	178.7	180.2	178.7
75°	166.6	166.6	165.0	163.5	159.0	154.4	151.4	149.9	146.9	148.4	145.4
77.5°	137.8	134.8	131.7	131.7	127.2	124.2	121.1	121.1	121.1	119.6	118.1
80°	107.5	104.5	104.5	103.0	99.9	96.9	95.4	95.4	93.9	93.9	92.4
82.5°	81.8	78.7	77.2	77.2	74.2	72.7	71.2	69.7	69.7	69.7	68.1
85°	57.5	54.5	53.0	53.0	50.0	48.5	48.5	46.9	46.9	45.4	45.4
87.5°	34.8	33.3	31.8	31.8	28.8	27.3	27.3	27.3	25.7	25.7	24.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-72SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3564.3	3564.3	3553.7	3556.7	3552.2	3558.2	3550.7	3550.7	3559.8	3559.8	3565.8
5°	3437.1	3429.5	3428.0	3425.0	3409.9	3415.9	3408.3	3400.8	3411.4	3411.4	3425.0
7.5°	3263.0	3249.4	3255.4	3246.3	3237.2	3223.6	3228.2	3222.1	3229.7	3240.3	3253.9
10°	3173.6	3161.5	3169.1	3160.0	3164.6	3144.9	3146.4	3147.9	3155.5	3158.5	3170.6
12.5°	3116.1	3113.1	3110.0	3107.0	3110.0	3099.5	3093.4	3094.9	3097.9	3099.5	3108.5
15°	2995.0	2975.3	2981.3	2960.1	2961.7	2963.2	2951.1	2963.2	2961.7	2981.3	2999.5
17.5°	2896.6	2896.6	2886.0	2876.9	2870.8	2869.3	2860.2	2866.3	2860.2	2872.3	2876.9
20°	2828.4	2826.9	2825.4	2820.8	2805.7	2807.2	2811.8	2798.1	2796.6	2795.1	2804.2
22.5°	2796.6	2798.1	2792.1	2792.1	2778.5	2781.5	2783.0	2767.9	2769.4	2764.8	2769.4
25°	2763.3	2766.3	2758.8	2758.8	2755.7	2754.2	2746.7	2749.7	2740.6	2733.0	2740.6
27.5°	2723.9	2730.0	2723.9	2727.0	2720.9	2717.9	2713.3	2710.3	2701.2	2699.7	2704.3
30°	2687.6	2690.6	2689.1	2681.5	2680.0	2670.9	2675.5	2666.4	2657.3	2658.8	2661.9
32.5°	1377.9	1315.8	1014.5	916.1	907.0	940.3	1114.4	1356.7	1757.9	2147.1	2427.2
35°	601.1	601.1	601.1	599.6	599.6	598.1	596.6	595.1	593.5	592.0	590.5
37.5°	604.1	604.1	604.1	604.1	602.6	601.1	601.1	598.1	596.6	595.1	593.5
40°	605.7	607.2	607.2	607.2	605.7	605.7	604.1	601.1	599.6	596.6	593.5
42.5°	604.1	605.7	605.7	604.1	604.1	602.6	602.6	601.1	599.6	598.1	596.6
45°	584.5	586.0	582.9	582.9	581.4	581.4	581.4	581.4	581.4	582.9	582.9
47.5°	549.6	549.6	548.1	546.6	546.6	545.1	546.6	545.1	548.1	549.6	552.7
50°	508.8	508.8	505.7	504.2	504.2	504.2	504.2	505.7	507.2	510.3	513.3
52.5°	466.4	466.4	464.8	463.3	461.8	461.8	466.4	464.8	466.4	467.9	472.4
55°	425.5	427.0	424.0	424.0	422.4	422.4	422.4	424.0	425.5	427.0	431.5
57.5°	390.6	390.6	387.6	387.6	387.6	386.1	390.6	387.6	389.1	390.6	393.7
60°	355.8	354.3	354.3	352.8	352.8	352.8	355.8	354.3	354.3	355.8	358.9
62.5°	324.0	324.0	322.5	322.5	321.0	321.0	324.0	322.5	322.5	324.0	325.5
65°	287.7	287.7	286.2	284.7	289.2	284.7	289.2	286.2	289.2	290.7	293.7
67.5°	246.8	246.8	246.8	245.3	245.3	248.3	249.8	246.8	248.3	251.3	252.9
70°	210.5	210.5	209.0	209.0	209.0	212.0	213.5	210.5	212.0	213.5	216.5
72.5°	178.7	175.6	175.6	174.1	177.2	177.2	178.7	177.2	178.7	178.7	181.7
75°	146.9	143.8	143.8	143.8	146.9	145.4	146.9	145.4	146.9	146.9	148.4
77.5°	118.1	116.6	115.1	115.1	118.1	118.1	118.1	116.6	118.1	119.6	121.1
80°	92.4	90.8	89.3	89.3	92.4	92.4	92.4	93.9	92.4	93.9	95.4
82.5°	68.1	66.6	65.1	68.1	68.1	68.1	68.1	69.7	68.1	69.7	71.2
85°	45.4	43.9	42.4	45.4	45.4	45.4	45.4	46.9	45.4	46.9	48.5
87.5°	24.2	22.7	22.7	24.2	24.2	24.2	25.7	25.7	25.7	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-LD5-72SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3574.9	3579.4	3577.9	3568.8	3559.8	3549.2	3541.6	3543.1	3558.2	3562.8	3549.2
5°	3425.0	3453.8	3453.8	3473.4	3462.8	3453.8	3459.8	3493.1	3509.8	3535.5	3544.6
7.5°	3270.5	3284.2	3282.7	3302.3	3299.3	3299.3	3303.9	3347.8	3369.0	3390.2	3396.2
10°	3184.2	3197.9	3196.4	3197.9	3193.3	3182.7	3182.7	3202.4	3220.6	3231.2	3234.2
12.5°	3122.2	3129.7	3128.2	3128.2	3125.2	3116.1	3114.6	3131.2	3150.9	3164.6	3166.1
15°	3029.8	3051.0	3055.5	3075.2	3070.7	3058.6	3061.6	3075.2	3087.3	3099.5	3094.9
17.5°	2892.0	2902.6	2904.1	2911.7	2908.7	2908.7	2926.8	2976.8	3010.1	3038.9	3041.9
20°	2813.3	2820.8	2817.8	2834.5	2826.9	2825.4	2829.9	2851.1	2866.3	2879.9	2904.1
22.5°	2775.4	2781.5	2776.9	2778.5	2764.8	2752.7	2749.7	2766.3	2783.0	2801.2	2801.2
25°	2743.6	2748.2	2746.7	2743.6	2733.0	2716.4	2713.3	2716.4	2722.4	2723.9	2713.3
27.5°	2705.8	2708.8	2708.8	2710.3	2696.7	2681.5	2678.5	2675.5	2681.5	2680.0	2663.4
30°	2666.4	2661.9	2663.4	2664.9	2652.8	2639.2	2633.1	2631.6	2637.6	2636.1	2619.5
32.5°	2572.5	2607.4	2610.4	2613.4	2602.8	2590.7	2584.6	2580.1	2583.1	2581.6	2566.5
35°	589.0	599.6	734.4	1662.5	2257.6	2499.9	2525.6	2519.5	2521.0	2521.0	2508.9
37.5°	590.5	589.0	587.5	582.9	578.4	575.4	994.8	2121.3	2457.5	2459.0	2448.4
40°	590.5	589.0	587.5	584.5	578.4	573.9	566.3	560.2	573.9	1262.8	2310.6
42.5°	593.5	590.5	587.5	584.5	578.4	572.3	566.3	558.7	563.3	560.2	552.7
45°	584.5	582.9	582.9	581.4	578.4	572.3	564.8	555.7	551.1	555.7	548.1
47.5°	555.7	557.2	561.7	563.3	563.3	564.8	560.2	554.2	546.6	551.1	542.1
50°	516.3	519.4	520.9	528.4	531.5	537.5	539.0	539.0	537.5	543.6	537.5
52.5°	473.9	477.0	484.5	487.6	490.6	499.7	502.7	507.2	510.3	519.4	525.4
55°	433.0	434.6	437.6	443.6	448.2	455.8	460.3	464.8	472.4	477.0	495.1
57.5°	395.2	396.7	402.8	404.3	407.3	413.4	417.9	424.0	430.0	433.0	454.2
60°	358.9	360.4	364.9	366.4	367.9	374.0	378.5	383.1	387.6	390.6	405.8
62.5°	327.1	327.1	331.6	331.6	333.1	337.7	340.7	343.7	348.3	349.8	357.3
65°	295.3	296.8	299.8	299.8	301.3	304.3	305.9	307.4	311.9	311.9	318.0
67.5°	255.9	257.4	261.9	265.0	266.5	272.5	274.1	275.6	278.6	280.1	283.1
70°	218.0	219.6	224.1	225.6	227.1	231.7	234.7	239.2	243.8	248.3	251.3
72.5°	183.2	184.7	189.3	189.3	193.8	195.3	198.4	199.9	204.4	207.4	212.0
75°	149.9	151.4	156.0	156.0	160.5	162.0	163.5	165.0	168.1	171.1	174.1
77.5°	122.6	122.6	128.7	131.7	134.8	134.8	136.3	136.3	136.3	137.8	140.8
80°	96.9	96.9	101.4	104.5	107.5	107.5	109.0	110.5	112.0	112.0	113.6
82.5°	72.7	72.7	77.2	78.7	81.8	81.8	81.8	83.3	84.8	83.3	86.3
85°	50.0	50.0	53.0	54.5	57.5	57.5	57.5	59.1	60.6	59.1	60.6
87.5°	28.8	30.3	31.8	33.3	34.8	36.3	36.3	36.3	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-LD5-72SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3534.0	3515.8	3514.3	3493.1	3487.1	3488.6	3471.9	3465.9	3438.6	3432.6	3403.8
5°	3547.6	3556.7	3552.2	3550.7	3555.2	3552.2	3540.1	3534.0	3529.5	3517.4	3493.1
7.5°	3397.7	3403.8	3408.3	3428.0	3444.7	3473.4	3503.7	3523.4	3538.6	3541.6	3521.9
10°	3244.8	3273.6	3293.3	3323.5	3347.8	3364.4	3382.6	3399.3	3443.2	3487.1	3512.8
12.5°	3166.1	3173.6	3172.1	3188.8	3205.4	3249.4	3291.7	3316.0	3349.3	3369.0	3415.9
15°	3099.5	3101.0	3105.5	3117.6	3126.7	3141.8	3161.5	3197.9	3264.5	3294.8	3320.5
17.5°	3038.9	3038.9	3041.9	3052.5	3064.6	3078.3	3090.4	3105.5	3138.8	3188.8	3252.4
20°	2942.0	2984.4	2988.9	2987.4	2993.5	3019.2	3022.2	3049.5	3066.1	3085.8	3147.9
22.5°	2798.1	2823.9	2860.2	2916.2	2937.4	2949.6	2958.6	2970.7	2996.5	3019.2	3044.9
25°	2719.4	2736.1	2746.7	2763.3	2807.2	2878.4	2892.0	2905.6	2922.3	2939.0	2970.7
27.5°	2649.8	2648.2	2655.8	2670.9	2683.1	2720.9	2787.5	2840.5	2843.6	2867.8	2895.0
30°	2599.8	2590.7	2580.1	2577.1	2593.7	2613.4	2633.1	2716.4	2773.9	2786.0	2814.8
32.5°	2552.8	2537.7	2522.6	2510.4	2499.9	2516.5	2528.6	2565.0	2639.2	2708.8	2723.9
35°	2495.3	2480.2	2462.0	2448.4	2431.7	2430.2	2428.7	2463.5	2487.7	2571.0	2643.7
37.5°	2436.3	2419.6	2404.5	2389.3	2372.7	2360.5	2353.0	2362.1	2384.8	2421.1	2542.2
40°	2374.2	2354.5	2339.4	2327.2	2304.5	2295.4	2280.3	2274.2	2275.8	2307.6	2371.1
42.5°	1418.8	2262.1	2269.7	2256.1	2236.4	2224.3	2207.6	2200.0	2184.9	2200.0	2236.4
45°	546.6	552.7	1655.0	2186.4	2162.2	2147.1	2131.9	2124.3	2107.7	2095.6	2128.9
47.5°	536.0	542.1	530.0	751.0	2063.8	2068.3	2050.1	2042.6	2025.9	2016.8	2007.8
50°	528.4	533.0	523.9	526.9	516.3	1891.2	1966.9	1957.8	1939.6	1929.0	1910.8
52.5°	520.9	520.9	514.8	507.2	504.2	505.7	1591.4	1871.5	1850.3	1839.7	1815.5
55°	496.6	499.7	505.7	493.6	490.6	489.1	484.5	1515.7	1751.9	1739.8	1718.6
57.5°	460.3	466.4	483.0	480.0	480.0	467.9	464.8	464.8	1406.6	1638.3	1617.1
60°	417.9	424.0	442.1	448.2	452.7	449.7	446.7	445.2	439.1	1482.3	1509.6
62.5°	374.0	380.0	386.1	405.8	411.8	419.4	428.5	424.0	417.9	417.9	1396.0
65°	327.1	336.1	339.2	357.3	364.9	378.5	386.1	396.7	393.7	392.2	399.7
67.5°	286.2	296.8	298.3	305.9	319.5	325.5	334.6	354.3	363.4	366.4	369.5
70°	251.3	257.4	261.9	265.0	274.1	275.6	292.2	305.9	319.5	334.6	339.2
72.5°	216.5	221.1	230.1	227.1	230.1	236.2	245.3	254.4	268.0	289.2	302.8
75°	177.2	180.2	186.2	189.3	195.3	199.9	205.9	213.5	225.6	236.2	254.4
77.5°	142.3	143.8	148.4	149.9	156.0	160.5	171.1	175.6	183.2	190.8	201.4
80°	115.1	115.1	116.6	116.6	121.1	125.7	133.2	137.8	146.9	152.9	152.9
82.5°	87.8	87.8	92.4	92.4	95.4	95.4	99.9	99.9	104.5	107.5	110.5
85°	62.1	63.6	66.6	65.1	68.1	66.6	69.7	72.7	74.2	72.7	71.2
87.5°	40.9	40.9	43.9	42.4	43.9	43.9	46.9	46.9	48.5	48.5	46.9
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3393.2	3370.5	3356.9	3340.2	3335.7	3331.1	3337.2	3337.2	3328.1	3320.5	3306.9
5°	3471.9	3447.7	3422.0	3394.7	3369.0	3341.7	3331.1	3329.6	3312.9	3303.9	3299.3
7.5°	3512.8	3500.7	3471.9	3434.1	3394.7	3346.3	3325.1	3312.9	3296.3	3293.3	3293.3
10°	3517.4	3503.7	3488.6	3461.3	3415.9	3352.3	3311.4	3287.2	3272.1	3282.7	3302.3
12.5°	3473.4	3499.2	3485.6	3467.4	3431.0	3353.8	3294.8	3258.4	3253.9	3281.1	3332.6
15°	3361.4	3437.1	3475.0	3456.8	3428.0	3350.8	3267.5	3225.1	3225.1	3281.1	3347.8
17.5°	3276.6	3335.7	3428.0	3443.2	3409.9	3344.7	3241.8	3191.8	3205.4	3287.2	3358.4
20°	3207.0	3243.3	3332.6	3417.4	3385.6	3331.1	3203.9	3152.4	3179.7	3278.1	3373.5
22.5°	3097.9	3170.6	3225.1	3350.8	3361.4	3305.4	3166.1	3104.0	3158.5	3278.1	3365.9
25°	2991.9	3079.8	3137.3	3260.0	3325.1	3273.6	3131.2	3052.5	3135.8	3273.6	3359.9
27.5°	2917.8	2958.6	3063.1	3150.9	3270.5	3231.2	3084.3	2996.5	3107.0	3249.4	3325.1
30°	2839.0	2866.3	2969.2	3052.5	3197.9	3182.7	3035.9	2934.4	3070.7	3226.6	3234.2
32.5°	2752.7	2783.0	2836.0	2957.1	3096.4	3137.3	2981.3	2872.3	3031.3	3191.8	3128.2
35°	2664.9	2687.6	2730.0	2860.2	2978.3	3069.2	2914.7	2801.2	3004.1	3138.8	3026.8
37.5°	2577.1	2601.3	2637.6	2746.7	2854.2	3005.6	2857.2	2730.0	2954.1	3044.9	2920.8
40°	2493.8	2507.4	2545.3	2613.4	2751.2	2940.5	2792.1	2655.8	2902.6	2925.3	2776.9
42.5°	2340.9	2409.0	2443.8	2498.3	2634.6	2851.1	2716.4	2577.1	2845.1	2805.7	2633.1
45°	2175.8	2324.2	2339.4	2393.9	2531.6	2755.7	2645.2	2499.9	2790.6	2702.7	2496.8
47.5°	2041.1	2148.6	2236.4	2281.8	2409.0	2643.7	2578.6	2434.7	2708.8	2572.5	2363.6
50°	1921.4	1979.0	2138.0	2171.3	2262.1	2508.9	2499.9	2359.0	2595.2	2409.0	2233.4
52.5°	1804.9	1845.7	1989.6	2060.7	2134.9	2363.6	2406.0	2284.8	2471.1	2245.5	2101.6
55°	1703.4	1717.0	1795.8	1945.7	2012.3	2216.7	2303.0	2198.5	2313.6	2089.5	1974.4
57.5°	1598.9	1586.8	1644.4	1836.7	1885.1	2066.8	2194.0	2110.7	2186.4	1930.5	1842.7
60°	1489.9	1473.3	1497.5	1624.7	1750.3	1918.4	2065.3	2013.8	2032.0	1773.1	1695.8
62.5°	1376.4	1359.7	1352.1	1432.4	1618.6	1765.5	1935.1	1906.3	1842.7	1629.2	1514.1
65°	1258.3	1241.6	1229.5	1261.3	1473.3	1567.1	1789.7	1782.1	1635.3	1477.8	1274.9
67.5°	383.1	1129.6	1103.8	1102.3	1241.6	1387.0	1632.2	1620.1	1426.3	1315.8	1097.8
70°	345.2	916.1	973.6	960.0	1020.5	1203.7	1452.1	1443.0	1223.4	1055.4	970.6
72.5°	316.5	324.0	860.0	844.9	858.5	1023.6	1264.3	1240.1	1037.2	832.8	838.8
75°	271.0	284.7	296.8	713.2	695.0	847.9	1059.9	1022.0	855.5	687.4	701.0
77.5°	221.1	237.7	246.8	519.4	561.7	604.1	846.4	796.4	589.0	549.6	261.9
80°	165.0	178.7	193.8	207.4	427.0	422.4	628.4	578.4	410.3	342.2	204.4
82.5°	121.1	125.7	134.8	149.9	169.6	283.1	404.3	355.8	284.7	156.0	140.8
85°	75.7	81.8	86.3	90.8	103.0	169.6	199.9	159.0	119.6	95.4	89.3
87.5°	48.5	48.5	46.9	48.5	50.0	60.6	68.1	65.1	51.5	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-LD5-72SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3291.7	3270.5	3270.5	3264.5	3269.0	3269.0	3267.5	3269.0	3279.6	3285.7	3296.3
5°	3290.2	3284.2	3297.8	3314.5	3334.1	3358.4	3364.4	3385.6	3405.3	3431.0	3458.3
7.5°	3309.9	3331.1	3356.9	3384.1	3423.5	3452.2	3478.0	3503.7	3521.9	3546.1	3561.3
10°	3338.7	3381.1	3425.0	3459.8	3502.2	3526.4	3543.1	3546.1	3520.4	3479.5	3446.2
12.5°	3379.6	3429.5	3470.4	3503.7	3523.4	3514.3	3465.9	3415.9	3387.1	3344.7	3285.7
15°	3414.4	3459.8	3502.2	3488.6	3435.6	3385.6	3347.8	3288.7	3231.2	3191.8	3166.1
17.5°	3429.5	3473.4	3458.3	3387.1	3337.2	3279.6	3202.4	3157.0	3119.1	3088.9	3073.7
20°	3438.6	3431.0	3349.3	3297.8	3200.9	3147.9	3097.9	3055.5	3026.8	3011.6	3008.6
22.5°	3414.4	3322.0	3252.4	3160.0	3088.9	3044.9	3005.6	2970.7	2951.1	2939.0	2931.4
25°	3334.1	3226.6	3123.7	3051.0	2990.4	2952.6	2922.3	2893.5	2869.3	2863.2	2848.1
27.5°	3222.1	3134.3	2998.0	2942.0	2889.0	2870.8	2837.5	2808.7	2787.5	2769.4	2720.9
30°	3129.7	2990.4	2892.0	2840.5	2808.7	2787.5	2749.7	2719.4	2683.1	2616.4	2589.2
32.5°	3016.2	2878.4	2784.5	2755.7	2716.4	2698.2	2655.8	2589.2	2533.2	2505.9	2504.4
35°	2869.3	2755.7	2687.6	2661.9	2630.1	2599.8	2512.0	2451.4	2424.1	2427.2	2449.9
37.5°	2746.7	2645.2	2601.3	2565.0	2528.6	2451.4	2377.2	2348.4	2356.0	2371.1	2381.7
40°	2622.5	2545.3	2495.3	2466.5	2384.8	2309.1	2269.7	2280.3	2293.9	2304.5	2318.2
42.5°	2501.4	2446.9	2396.9	2340.9	2228.8	2187.9	2197.0	2210.6	2222.8	2237.9	2251.5
45°	2386.3	2337.8	2280.3	2153.1	2097.1	2107.7	2121.3	2131.9	2150.1	2160.7	2174.3
47.5°	2277.3	2225.8	2124.3	2012.3	2006.2	2027.4	2039.6	2053.2	2066.8	2039.6	1125.0
50°	2154.6	2101.6	1947.2	1904.8	1918.4	1938.1	1953.2	1966.9	1751.9	696.5	536.0
52.5°	2033.5	1898.7	1800.3	1812.4	1826.1	1848.8	1859.4	1380.9	549.6	523.9	525.4
55°	1898.7	1726.1	1697.4	1712.5	1724.6	1747.3	1158.3	507.2	504.2	502.7	514.8
57.5°	1686.8	1582.3	1594.4	1609.5	1621.6	1144.7	493.6	490.6	492.1	493.6	495.1
60°	1497.5	1474.8	1488.4	1502.0	1062.9	477.0	467.9	469.4	475.4	470.9	458.8
62.5°	1347.6	1365.8	1379.4	1208.3	452.7	448.2	452.7	448.2	437.6	430.0	414.9
65°	1232.5	1250.7	1261.3	425.5	424.0	430.0	425.5	410.3	393.7	372.5	367.9
67.5°	1111.4	1129.6	404.3	393.7	399.7	392.2	374.0	355.8	343.7	325.5	318.0
70°	985.7	422.4	366.4	364.9	354.3	342.2	322.5	304.3	289.2	281.6	274.1
72.5°	711.6	334.6	330.1	318.0	299.8	283.1	266.5	255.9	248.3	243.8	239.2
75°	296.8	290.7	277.1	255.9	237.7	230.1	218.0	210.5	207.4	198.4	195.3
77.5°	248.3	236.2	216.5	201.4	190.8	186.2	177.2	168.1	163.5	162.0	156.0
80°	190.8	174.1	165.0	157.5	154.4	143.8	133.2	128.7	125.7	124.2	119.6
82.5°	130.2	124.2	118.1	107.5	107.5	103.0	98.4	95.4	92.4	92.4	89.3
85°	84.8	80.2	78.7	74.2	74.2	71.2	69.7	68.1	66.6	65.1	63.6
87.5°	48.5	48.5	50.0	48.5	48.5	46.9	45.4	43.9	42.4	42.4	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-LD5-72SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3309.9	3325.1	3328.1	3379.6	3408.3	3406.8	3397.7	3425.0	3408.3	3399.3	3408.3
5°	3485.6	3503.7	3518.9	3574.9	3594.6	3603.7	3602.1	3617.3	3605.2	3594.6	3594.6
7.5°	3571.9	3577.9	3584.0	3570.3	3561.3	3546.1	3523.4	3490.1	3473.4	3455.3	3432.6
10°	3429.5	3409.9	3417.4	3390.2	3367.5	3350.8	3329.6	3302.3	3279.6	3263.0	3237.2
12.5°	3255.4	3253.9	3256.9	3261.5	3238.8	3225.1	3208.5	3188.8	3172.1	3154.0	3132.8
15°	3149.4	3150.9	3163.0	3158.5	3150.9	3143.4	3125.2	3119.1	3104.0	3084.3	3072.2
17.5°	3073.7	3081.3	3093.4	3087.3	3075.2	3067.7	3054.0	3040.4	3026.8	3011.6	2993.5
20°	3007.1	3014.7	3022.2	3014.7	2991.9	2981.3	2963.2	2920.8	2890.5	2860.2	2833.0
22.5°	2934.4	2939.0	2932.9	2908.7	2851.1	2823.9	2802.7	2790.6	2764.8	2748.2	2731.5
25°	2843.6	2817.8	2778.5	2751.2	2728.5	2716.4	2707.3	2705.8	2702.7	2699.7	2692.1
27.5°	2695.2	2686.1	2664.9	2654.3	2655.8	2660.3	2661.9	2666.4	2661.9	2655.8	2649.8
30°	2584.6	2589.2	2590.7	2593.7	2601.3	2605.8	2607.4	2613.4	2610.4	2605.8	2602.8
32.5°	2515.0	2525.6	2531.6	2540.7	2545.3	2552.8	2552.8	2561.9	2552.8	2551.3	2548.3
35°	2457.5	2466.5	2469.6	2483.2	2487.7	2495.3	2495.3	2502.9	2495.3	2418.1	1909.3
37.5°	2399.9	2409.0	2415.1	2427.2	2428.7	2433.2	2245.5	1642.8	1059.9	820.7	626.9
40°	2331.8	2342.4	2348.4	2353.0	1653.4	1049.3	722.2	587.5	587.5	592.0	596.6
42.5°	2259.1	2266.7	1579.3	919.1	572.3	570.8	575.4	579.9	584.5	590.5	596.6
45°	1776.1	896.4	569.3	555.7	560.2	566.3	572.3	578.4	586.0	592.0	595.1
47.5°	582.9	546.6	554.2	548.1	555.7	563.3	569.3	575.4	576.9	578.4	576.9
50°	539.0	539.0	543.6	543.6	549.6	552.7	552.7	552.7	546.6	545.1	540.5
52.5°	520.9	533.0	526.9	530.0	526.9	522.4	517.8	513.3	504.2	501.2	495.1
55°	511.8	516.3	501.2	496.6	490.6	478.5	472.4	466.4	458.8	455.8	448.2
57.5°	490.6	480.0	463.3	455.8	445.2	433.0	427.0	422.4	414.9	411.8	407.3
60°	451.2	430.0	419.4	410.3	398.2	387.6	383.1	380.0	374.0	372.5	367.9
62.5°	402.8	384.6	375.5	363.4	354.3	348.3	343.7	342.2	336.1	336.1	333.1
65°	349.8	340.7	333.1	321.0	316.5	310.4	308.9	307.4	304.3	302.8	299.8
67.5°	307.4	301.3	290.7	284.7	281.6	277.1	274.1	271.0	265.0	261.9	257.4
70°	269.5	265.0	254.4	249.8	243.8	236.2	231.7	228.6	224.1	221.1	216.5
72.5°	233.2	219.6	212.0	207.4	202.9	195.3	193.8	190.8	186.2	184.7	180.2
75°	187.8	177.2	172.6	169.6	165.0	160.5	160.5	160.5	156.0	154.4	152.9
77.5°	149.9	143.8	140.8	137.8	136.3	133.2	128.7	127.2	122.6	122.6	121.1
80°	115.1	112.0	109.0	107.5	106.0	103.0	99.9	98.4	93.9	93.9	92.4
82.5°	84.8	83.3	81.8	80.2	78.7	77.2	72.7	71.2	68.1	68.1	66.6
85°	60.6	59.1	56.0	54.5	54.5	53.0	48.5	46.9	43.9	43.9	43.9
87.5°	37.9	36.3	34.8	33.3	31.8	30.3	27.3	25.7	25.7	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-LD5-72SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3390.2	3415.9	3412.9	3431.0	3435.6	3444.7	3447.7	3449.2	3426.5	3444.7	3446.2
5°	3590.0	3594.6	3597.6	3605.2	3612.7	3614.3	3606.7	3597.6	3600.6	3594.6	3579.4
7.5°	3429.5	3406.8	3402.3	3396.2	3393.2	3390.2	3376.5	3388.7	3375.0	3369.0	3347.8
10°	3232.7	3211.5	3210.0	3210.0	3214.5	3213.0	3210.0	3203.9	3216.0	3208.5	3203.9
12.5°	3129.7	3122.2	3126.7	3123.7	3135.8	3138.8	3135.8	3135.8	3132.8	3126.7	3129.7
15°	3067.7	3061.6	3066.1	3061.6	3070.7	3072.2	3064.6	3069.2	3061.6	3054.0	3051.0
17.5°	2985.9	2972.3	2961.7	2946.5	2948.0	2945.0	2935.9	2935.9	2928.4	2908.7	2910.2
20°	2828.4	2814.8	2808.7	2808.7	2816.3	2819.3	2817.8	2820.8	2813.3	2810.2	2798.1
22.5°	2730.0	2728.5	2731.5	2739.1	2751.2	2767.9	2769.4	2769.4	2769.4	2767.9	2752.7
25°	2695.2	2695.2	2698.2	2708.8	2717.9	2730.0	2733.0	2736.1	2733.0	2733.0	2719.4
27.5°	2655.8	2652.8	2658.8	2669.4	2680.0	2689.1	2696.7	2698.2	2693.7	2693.7	2698.2
30°	2607.4	2605.8	2613.4	2624.0	2633.1	2642.2	2649.8	2655.8	2649.8	2649.8	2645.2
32.5°	2557.4	2557.4	2560.4	2496.8	2315.1	2085.0	2089.5	1956.3	1863.9	1747.3	1901.8
35°	1595.9	1161.3	997.8	844.9	737.4	667.7	666.2	643.5	632.9	625.3	623.8
37.5°	602.6	605.7	611.7	614.7	619.3	622.3	623.8	623.8	623.8	623.8	622.3
40°	601.1	607.2	611.7	616.3	620.8	623.8	623.8	625.3	626.9	626.9	626.9
42.5°	602.6	608.7	614.7	619.3	622.3	623.8	625.3	626.9	626.9	626.9	626.9
45°	601.1	604.1	604.1	605.7	605.7	605.7	607.2	607.2	605.7	604.1	607.2
47.5°	578.4	578.4	573.9	572.3	570.8	567.8	569.3	567.8	566.3	564.8	567.8
50°	539.0	533.0	530.0	526.9	525.4	522.4	523.9	522.4	520.9	517.8	522.4
52.5°	492.1	490.6	484.5	481.5	480.0	481.5	478.5	477.0	475.4	473.9	475.4
55°	446.7	440.6	439.1	436.1	434.6	436.1	434.6	433.0	431.5	430.0	431.5
57.5°	405.8	401.2	399.7	396.7	396.7	396.7	396.7	395.2	393.7	392.2	393.7
60°	366.4	363.4	361.9	361.9	360.4	360.4	360.4	358.9	357.3	357.3	358.9
62.5°	333.1	333.1	328.6	327.1	327.1	328.6	327.1	325.5	324.0	322.5	325.5
65°	298.3	292.2	290.7	287.7	284.7	286.2	284.7	283.1	281.6	280.1	283.1
67.5°	255.9	254.4	248.3	245.3	243.8	245.3	243.8	242.3	240.7	239.2	242.3
70°	215.0	215.0	209.0	207.4	205.9	205.9	204.4	204.4	202.9	201.4	204.4
72.5°	178.7	178.7	177.2	174.1	172.6	171.1	169.6	168.1	168.1	169.6	169.6
75°	148.4	145.4	139.3	140.8	139.3	137.8	137.8	136.3	134.8	137.8	136.3
77.5°	116.6	115.1	110.5	112.0	110.5	109.0	109.0	107.5	106.0	107.5	107.5
80°	87.8	87.8	86.3	84.8	84.8	83.3	81.8	81.8	80.2	81.8	81.8
82.5°	63.6	63.6	62.1	60.6	59.1	59.1	57.5	57.5	57.5	57.5	57.5
85°	40.9	39.4	39.4	36.3	36.3	36.3	34.8	34.8	34.8	34.8	34.8
87.5°	19.7	19.7	18.2	18.2	16.7	15.1	15.1	13.6	13.6	15.1	15.1
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3418.9	3438.6	3422.0	3429.5	3431.0	3456.8	3455.3	3461.3	3450.7	3438.6	3422.0
5°	3593.1	3584.0	3571.9	3600.6	3585.5	3603.7	3609.7	3621.8	3621.8	3620.3	3606.7
7.5°	3370.5	3350.8	3365.9	3376.5	3381.1	3369.0	3393.2	3420.4	3443.2	3456.8	3458.3
10°	3196.4	3202.4	3200.9	3205.4	3216.0	3214.5	3229.7	3244.8	3250.9	3260.0	3263.0
12.5°	3114.6	3113.1	3116.1	3126.7	3132.8	3131.2	3146.4	3155.5	3158.5	3160.0	3158.5
15°	3049.5	3038.9	3046.5	3048.0	3052.5	3052.5	3070.7	3084.3	3090.4	3093.4	3090.4
17.5°	2926.8	2901.1	2925.3	2925.3	2942.0	2939.0	2967.7	2990.4	3002.5	3011.6	3011.6
20°	2805.7	2793.6	2802.7	2799.7	2811.8	2810.2	2828.4	2843.6	2854.2	2861.7	2870.8
22.5°	2757.3	2760.3	2746.7	2748.2	2748.2	2746.7	2755.7	2763.3	2766.3	2770.9	2767.9
25°	2725.5	2728.5	2723.9	2716.4	2713.3	2716.4	2720.9	2730.0	2731.5	2728.5	2717.9
27.5°	2693.7	2684.6	2692.1	2678.5	2675.5	2681.5	2687.6	2689.1	2690.6	2690.6	2681.5
30°	2645.2	2637.6	2645.2	2639.2	2633.1	2639.2	2643.7	2643.7	2646.7	2648.2	2637.6
32.5°	1848.8	1863.9	2109.2	2257.6	2466.5	2572.5	2592.2	2592.2	2595.2	2595.2	2586.2
35°	629.9	631.4	682.9	740.4	863.1	1014.5	1212.8	1315.8	1664.0	2080.4	2483.2
37.5°	622.3	620.8	619.3	617.8	616.3	614.7	611.7	610.2	619.3	734.4	996.3
40°	625.3	623.8	620.8	619.3	617.8	614.7	613.2	610.2	607.2	604.1	601.1
42.5°	625.3	623.8	622.3	620.8	619.3	617.8	614.7	611.7	608.7	604.1	599.6
45°	604.1	604.1	605.7	605.7	607.2	607.2	607.2	605.7	605.7	604.1	598.1
47.5°	564.8	564.8	569.3	569.3	572.3	575.4	575.4	578.4	582.9	586.0	587.5
50°	519.4	519.4	523.9	525.4	528.4	533.0	537.5	539.0	543.6	549.6	555.7
52.5°	473.9	473.9	478.5	478.5	481.5	486.0	490.6	492.1	498.2	504.2	511.8
55°	431.5	431.5	434.6	436.1	437.6	440.6	445.2	445.2	451.2	455.8	463.3
57.5°	393.7	396.7	396.7	396.7	398.2	401.2	404.3	404.3	408.8	413.4	419.4
60°	357.3	360.4	360.4	360.4	361.9	363.4	366.4	366.4	369.5	372.5	378.5
62.5°	324.0	327.1	327.1	328.6	328.6	330.1	333.1	331.6	334.6	336.1	340.7
65°	281.6	284.7	286.2	287.7	289.2	292.2	296.8	295.3	299.8	302.8	307.4
67.5°	240.7	243.8	243.8	245.3	246.8	249.8	252.9	252.9	257.4	260.4	266.5
70°	202.9	205.9	205.9	207.4	209.0	212.0	215.0	213.5	218.0	221.1	225.6
72.5°	168.1	171.1	171.1	172.6	172.6	175.6	178.7	181.7	181.7	184.7	187.8
75°	136.3	137.8	139.3	139.3	140.8	142.3	145.4	148.4	149.9	151.4	154.4
77.5°	107.5	109.0	110.5	110.5	112.0	113.6	115.1	121.1	124.2	125.7	125.7
80°	81.8	83.3	83.3	83.3	84.8	86.3	89.3	89.3	95.4	95.4	96.9
82.5°	57.5	59.1	59.1	59.1	60.6	63.6	65.1	66.6	69.7	71.2	71.2
85°	34.8	36.3	36.3	36.3	37.9	39.4	42.4	43.9	45.4	45.4	46.9
87.5°	13.6	15.1	16.7	16.7	18.2	19.7	21.2	22.7	24.2	24.2	25.7
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3403.8	3414.4	3403.8	3409.9	3417.4	3403.8	3372.0	3359.9	3355.3	3337.2	3325.1
5°	3593.1	3593.1	3588.5	3600.6	3599.1	3577.9	3544.6	3529.5	3514.3	3494.6	3479.5
7.5°	3458.3	3470.4	3478.0	3524.9	3555.2	3558.2	3579.4	3584.0	3590.0	3584.0	3574.9
10°	3264.5	3260.0	3281.1	3325.1	3350.8	3364.4	3405.3	3425.0	3441.6	3475.0	3509.8
12.5°	3155.5	3161.5	3170.6	3202.4	3226.6	3220.6	3237.2	3250.9	3270.5	3303.9	3353.8
15°	3082.8	3088.9	3097.9	3122.2	3137.3	3129.7	3138.8	3147.9	3161.5	3178.2	3208.5
17.5°	3004.1	3014.7	3025.3	3051.0	3064.6	3063.1	3070.7	3073.7	3078.3	3088.9	3110.0
20°	2881.4	2914.7	2935.9	2970.7	2990.4	2987.4	3001.0	3005.6	3011.6	3022.2	3031.3
22.5°	2769.4	2778.5	2789.1	2826.9	2860.2	2901.1	2910.2	2922.3	2937.4	2948.0	2957.1
25°	2705.8	2699.7	2704.3	2730.0	2748.2	2751.2	2764.8	2804.2	2845.1	2863.2	2884.4
27.5°	2667.9	2661.9	2660.3	2672.5	2675.5	2667.9	2664.9	2677.0	2707.3	2737.6	2801.2
30°	2627.0	2619.5	2613.4	2624.0	2628.6	2618.0	2598.3	2587.7	2605.8	2613.4	2639.2
32.5°	2578.6	2571.0	2568.0	2574.0	2577.1	2568.0	2546.8	2534.7	2531.6	2525.6	2531.6
35°	2524.1	2516.5	2512.0	2513.5	2519.5	2512.0	2493.8	2478.7	2471.1	2454.4	2442.3
37.5°	1300.6	1842.7	2392.3	2449.9	2455.9	2454.4	2436.3	2419.6	2412.0	2392.3	2386.3
40°	595.1	664.7	997.8	1303.7	1880.6	2389.3	2372.7	2356.0	2342.4	2336.3	2313.6
42.5°	593.5	595.1	596.6	589.0	729.8	1243.1	1835.1	2290.9	2281.8	2266.7	2250.0
45°	593.5	586.0	592.0	582.9	586.0	584.5	728.3	1175.0	2091.0	2184.9	2177.3
47.5°	587.5	582.9	589.0	581.4	572.3	576.9	570.8	578.4	902.4	1530.8	2097.1
50°	560.2	563.3	573.9	572.3	564.8	570.8	560.2	569.3	561.7	616.3	1187.1
52.5°	519.4	525.4	536.0	545.1	548.1	555.7	552.7	555.7	549.6	551.1	552.7
55°	470.9	478.5	487.6	501.2	507.2	519.4	528.4	533.0	540.5	539.0	526.9
57.5°	425.5	433.0	440.6	454.2	467.9	473.9	490.6	499.7	519.4	514.8	511.8
60°	383.1	389.1	396.7	399.7	416.4	427.0	442.1	451.2	477.0	483.0	492.1
62.5°	345.2	348.3	354.3	358.9	369.5	380.0	387.6	402.8	416.4	436.1	449.7
65°	310.4	313.4	318.0	321.0	322.5	337.7	342.2	358.9	363.4	384.6	396.7
67.5°	271.0	277.1	283.1	286.2	289.2	298.3	301.3	308.9	319.5	328.6	343.7
70°	230.1	234.7	240.7	245.3	251.3	257.4	266.5	271.0	278.6	284.7	296.8
72.5°	192.3	196.8	199.9	204.4	209.0	213.5	221.1	231.7	237.7	248.3	251.3
75°	156.0	160.5	163.5	166.6	171.1	174.1	177.2	187.8	193.8	202.9	212.0
77.5°	128.7	128.7	131.7	140.8	139.3	139.3	142.3	148.4	152.9	159.0	168.1
80°	99.9	101.4	103.0	110.5	112.0	113.6	112.0	116.6	121.1	122.6	128.7
82.5°	74.2	75.7	75.7	80.2	84.8	84.8	84.8	86.3	90.8	92.4	95.4
85°	50.0	51.5	53.0	54.5	57.5	59.1	60.6	60.6	63.6	65.1	66.6
87.5°	27.3	30.3	31.8	33.3	34.8	36.3	37.9	39.4	40.9	42.4	43.9
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9	3303.9
2.5°	3320.5	3312.9	3308.4	3296.3	3293.3	3273.6	3276.6	3273.6	3273.6	3278.1	3293.3
5°	3462.8	3426.5	3417.4	3391.7	3370.5	3334.1	3311.4	3299.3	3281.1	3273.6	3284.2
7.5°	3559.8	3532.5	3509.8	3487.1	3456.8	3414.4	3382.6	3346.3	3316.0	3287.2	3279.6
10°	3543.1	3573.4	3573.4	3559.8	3531.0	3488.6	3450.7	3405.3	3352.3	3306.9	3279.6
12.5°	3402.3	3455.3	3497.7	3529.5	3558.2	3529.5	3491.6	3455.3	3396.2	3329.6	3279.6
15°	3247.8	3302.3	3355.3	3422.0	3491.6	3520.4	3518.9	3476.5	3423.5	3353.8	3284.2
17.5°	3138.8	3176.7	3205.4	3278.1	3362.9	3437.1	3487.1	3490.1	3438.6	3376.5	3285.7
20°	3057.1	3084.3	3108.5	3149.4	3223.6	3314.5	3406.8	3458.3	3449.2	3381.1	3290.2
22.5°	2982.9	3002.5	3022.2	3052.5	3111.6	3170.6	3278.1	3384.1	3429.5	3373.5	3285.7
25°	2908.7	2929.9	2945.0	2966.2	3013.1	3061.6	3137.3	3269.0	3370.5	3367.5	3276.6
27.5°	2820.8	2849.6	2867.8	2896.6	2928.4	2964.7	3016.2	3140.3	3285.7	3337.2	3252.4
30°	2714.9	2757.3	2784.5	2816.3	2843.6	2875.4	2916.2	2991.9	3172.1	3278.1	3226.6
32.5°	2561.9	2637.6	2698.2	2728.5	2758.8	2786.0	2822.4	2886.0	3032.8	3197.9	3197.9
35°	2452.9	2487.7	2542.2	2630.1	2667.9	2695.2	2728.5	2778.5	2872.3	3102.5	3150.9
37.5°	2368.1	2381.7	2409.0	2495.3	2566.5	2610.4	2643.7	2675.5	2767.9	2972.3	3090.4
40°	2304.5	2300.0	2297.0	2337.8	2439.3	2508.9	2546.8	2578.6	2649.8	2816.3	3010.1
42.5°	2230.3	2225.8	2210.6	2221.2	2271.2	2387.8	2445.3	2480.2	2539.2	2652.8	2922.3
45°	2153.1	2145.5	2139.5	2128.9	2147.1	2212.2	2330.3	2381.7	2415.1	2516.5	2811.8
47.5°	2074.4	2063.8	2056.2	2047.1	2036.5	2066.8	2178.9	2271.2	2328.8	2392.3	2678.5
50°	1962.3	1976.0	1966.9	1956.3	1947.2	1941.1	1988.1	2139.5	2210.6	2262.1	2516.5
52.5°	925.1	1798.8	1874.5	1863.9	1851.8	1841.2	1851.8	1966.9	2095.6	2136.5	2321.2
55°	526.9	801.0	1667.1	1762.5	1751.9	1736.7	1727.6	1767.0	1959.3	2013.8	2142.5
57.5°	507.2	508.8	735.9	1588.3	1647.4	1633.8	1623.2	1632.2	1795.8	1888.1	1986.6
60°	490.6	490.6	490.6	702.6	1518.7	1523.2	1509.6	1494.5	1565.6	1747.3	1829.1
62.5°	454.2	463.3	467.9	467.9	693.5	1406.6	1393.0	1388.5	1391.5	1577.7	1671.6
65°	407.3	428.5	437.6	443.6	443.6	728.3	1273.4	1265.8	1255.2	1326.4	1512.6
67.5°	355.8	377.0	396.7	408.8	410.3	424.0	760.1	1140.1	1125.0	1126.5	1343.0
70°	302.8	321.0	342.2	360.4	377.0	384.6	396.7	946.3	996.3	975.1	1150.7
72.5°	261.9	269.5	284.7	302.8	322.5	340.7	351.3	377.0	864.6	841.9	875.2
75°	218.0	224.1	234.7	246.8	261.9	283.1	301.3	319.5	458.8	705.6	701.0
77.5°	169.6	180.2	192.3	199.9	207.4	222.6	246.8	265.0	283.1	477.0	561.7
80°	130.2	137.8	143.8	151.4	160.5	171.1	180.2	201.4	222.6	239.2	430.0
82.5°	96.9	101.4	106.0	109.0	112.0	118.1	134.8	142.3	156.0	171.1	202.9
85°	68.1	71.2	74.2	75.7	77.2	78.7	84.8	86.3	99.9	103.0	122.6
87.5°	43.9	45.4	48.5	50.0	50.0	51.5	53.0	53.0	53.0	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-LD5-72SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3303.9	3303.9
2.5°	3305.4	3329.6
5°	3300.8	3332.6
7.5°	3288.7	3319.0
10°	3270.5	3306.9
12.5°	3250.9	3285.7
15°	3234.2	3260.0
17.5°	3216.0	3231.2
20°	3191.8	3203.9
22.5°	3167.6	3161.5
25°	3140.3	3126.7
27.5°	3105.5	3079.8
30°	3073.7	3028.3
32.5°	3043.4	2969.2
35°	3002.5	2908.7
37.5°	2960.1	2846.6
40°	2910.2	2775.4
42.5°	2857.2	2704.3
45°	2790.6	2636.1
47.5°	2731.5	2554.4
50°	2649.8	2466.5
52.5°	2549.8	2384.8
55°	2431.7	2284.8
57.5°	2304.5	2180.4
60°	2168.3	2060.7
62.5°	2003.2	1936.6
65°	1809.4	1794.3
67.5°	1556.5	1636.8
70°	1276.4	1456.6
72.5°	1067.5	1265.8
75°	875.2	1052.3
77.5°	693.5	825.2
80°	433.0	604.1
82.5°	290.7	396.7
85°	175.6	189.3
87.5°	68.1	69.7
90°	0.0	0.0

(END OF REPORT)