

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

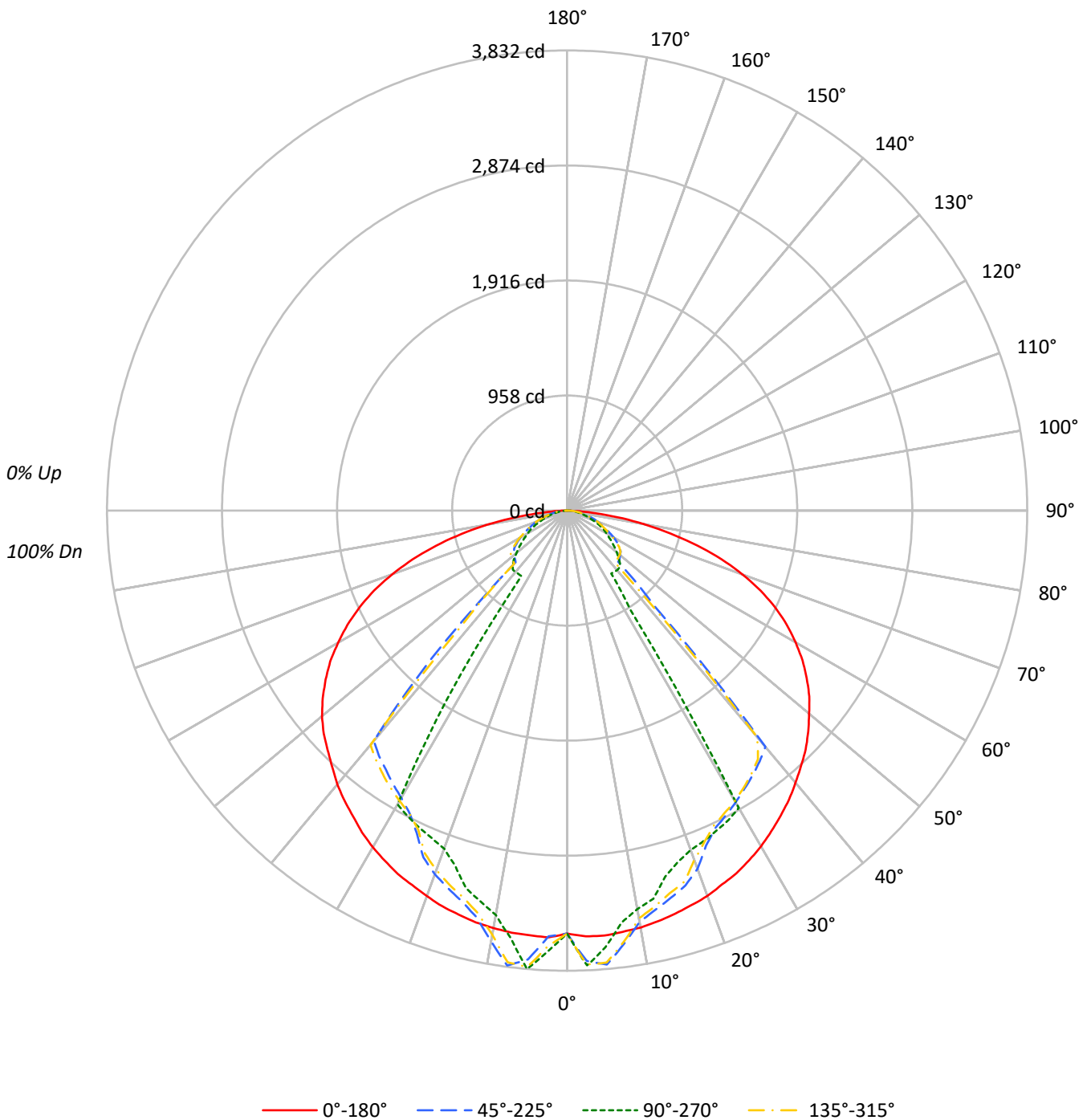
Lumens per Lamp: N/A
Luminaire Lumens: 7053.0 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77	75
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67	65
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14231	14231	14231	14231
5°	14390	14338	14383	15048
10°	14424	12963	14444	13162
15°	14477	11994	14510	12375
20°	14603	11376	14603	11333
25°	14753	11158	14774	11054
30°	14927	10962	14965	10832
35°	15129	2497	15161	2604
40°	15404	2596	15496	2681
45°	15811	2582	15865	2676
50°	16227	2334	16446	2397
55°	16784	2073	16917	2102
60°	17285	1842	17323	1865
65°	17695	1608	17649	1582
70°	17589	1296	17535	1249
75°	16548	997	16667	955
80°	13765	708	14319	648
85°	7938	424	8382	325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.5	4.9
10°-20°	952.8	13.5
20°-30°	1411.3	20.0
30°-40°	1422.0	20.2
40°-50°	1110.8	15.7
50°-60°	858.0	12.2
60°-70°	576.1	8.2
70°-80°	293.9	4.2
80°-90°	81.8	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°	2710.6	38.4
0°-40°	4132.6	58.6
0°-60°	6101.3	86.5
0°-90°	7053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7053.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3522	3522	3522	3522	3522	
5°	3553	3651	3551	3832	3553	338
15°	3475	3156	3483	3256	3475	983
25°	3333	2941	3338	2914	3333	1538
35°	3101	639	3107	667	3101	1943
45°	2810	621	2820	644	2810	2167
55°	2436	452	2455	458	2436	2175
65°	1913	304	1908	299	1913	1881
75°	1122	153	1130	147	1122	1173
85°	202	48	213	37	202	278
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3549.5	3562.4	3572.1	3578.6	3581.8	3581.8	3583.4	3585.0	3606.0	3615.7	3622.2
5°	3552.8	3565.7	3585.0	3610.9	3633.5	3652.8	3669.0	3691.6	3714.2	3738.4	3746.5
7.5°	3538.2	3554.4	3593.1	3639.9	3683.5	3714.2	3735.2	3749.7	3761.0	3762.6	3770.7
10°	3525.3	3554.4	3607.6	3669.0	3723.9	3761.0	3761.0	3752.9	3764.2	3720.6	3677.0
12.5°	3502.7	3535.0	3607.6	3688.3	3740.0	3754.5	3748.1	3715.8	3649.6	3596.3	3572.1
15°	3475.3	3518.9	3609.3	3699.6	3743.2	3748.1	3686.7	3604.4	3554.4	3522.1	3481.7
17.5°	3444.6	3502.7	3610.9	3701.3	3717.4	3694.8	3578.6	3526.9	3475.3	3399.4	3344.5
20°	3415.6	3472.0	3598.0	3678.7	3688.3	3586.7	3496.3	3441.4	3354.2	3288.0	3263.8
22.5°	3370.4	3436.5	3586.7	3648.0	3610.9	3493.0	3405.9	3318.7	3239.6	3220.2	3191.2
25°	3333.2	3402.6	3560.8	3610.9	3512.4	3407.5	3305.8	3204.1	3167.0	3139.5	3113.7
27.5°	3283.2	3368.7	3526.9	3543.1	3407.5	3315.5	3167.0	3121.8	3087.9	3057.2	3045.9
30°	3228.3	3333.2	3480.1	3449.4	3320.3	3184.7	3075.0	3033.0	3008.8	2976.5	2963.6
32.5°	3165.4	3280.0	3428.5	3341.3	3226.7	3057.2	2986.2	2953.9	2921.6	2897.4	2816.7
35°	3100.8	3233.2	3367.1	3238.0	3113.7	2960.4	2897.4	2868.4	2837.7	2748.9	2665.0
37.5°	3034.6	3181.5	3292.9	3126.6	2963.6	2860.3	2807.0	2774.7	2705.3	2592.3	2550.4
40°	2958.7	3118.5	3197.6	3012.0	2832.8	2758.6	2708.6	2676.3	2519.7	2469.7	2456.7
42.5°	2882.9	3057.2	3081.4	2900.6	2724.7	2650.4	2608.5	2501.9	2395.4	2369.6	2374.4
45°	2810.2	2991.0	2953.9	2742.4	2611.7	2550.4	2479.3	2332.5	2276.0	2288.9	2292.1
47.5°	2723.1	2911.9	2819.9	2584.3	2495.5	2434.1	2276.0	2187.2	2179.1	2196.9	2206.6
50°	2629.5	2823.2	2677.9	2440.6	2369.6	2296.9	2117.8	2072.6	2082.3	2100.0	2111.3
52.5°	2542.3	2723.1	2531.0	2306.6	2245.3	2079.0	1958.0	1966.0	1982.2	2003.2	2009.6
55°	2435.8	2602.0	2374.4	2171.0	2112.9	1895.0	1840.1	1859.5	1875.6	1893.4	1906.3
57.5°	2324.4	2463.2	2188.8	2019.3	1925.7	1732.0	1736.8	1749.7	1761.0	1782.0	736.1
60°	2196.9	2305.0	1985.4	1878.9	1693.2	1602.9	1607.7	1630.3	1641.6	916.8	506.8
62.5°	2064.5	2121.0	1801.4	1719.1	1480.2	1473.7	1496.3	1506.0	1025.0	484.2	474.6
65°	1912.8	1901.5	1620.6	1489.9	1334.9	1341.4	1365.6	1317.2	453.6	453.6	450.3
67.5°	1744.9	1677.1	1444.7	1233.2	1194.5	1209.0	1234.8	431.0	419.7	422.9	411.6
70°	1552.8	1457.6	1262.3	1044.4	1057.3	1071.8	416.5	390.6	385.8	377.7	355.1
72.5°	1349.4	1218.7	1033.1	907.2	915.2	574.6	364.8	351.9	335.7	319.6	295.4
75°	1121.8	952.4	758.7	758.7	770.0	327.7	318.0	297.0	279.2	258.3	243.7
77.5°	879.7	732.8	589.2	611.8	298.6	274.4	256.7	234.1	219.5	206.6	198.5
80°	644.0	511.7	443.9	397.1	232.4	208.2	190.5	177.6	171.1	163.0	153.3
82.5°	422.9	308.3	308.3	187.2	163.0	143.7	138.8	129.1	122.7	117.8	113.0
85°	201.8	179.2	135.6	114.6	101.7	92.0	88.8	83.9	83.9	82.3	80.7
87.5°	74.3	80.7	59.7	58.1	54.9	53.3	54.9	54.9	56.5	54.9	53.3
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°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3638.3	3651.2	3660.9	3677.0	3698.0	3715.8	3731.9	3754.5	3790.0	3799.7	3807.8
5°	3746.5	3751.3	3762.6	3775.5	3778.7	3786.8	3785.2	3794.9	3799.7	3811.0	3786.8
7.5°	3752.9	3727.1	3696.4	3669.0	3649.6	3631.8	3620.6	3638.3	3648.0	3656.1	3631.8
10°	3617.3	3586.7	3568.9	3552.8	3533.4	3505.9	3468.8	3476.9	3473.7	3473.7	3465.6
12.5°	3531.8	3488.2	3443.0	3402.6	3384.9	3383.3	3384.9	3402.6	3402.6	3401.0	3391.3
15°	3397.8	3355.8	3333.2	3323.5	3323.5	3318.7	3318.7	3338.1	3333.2	3333.2	3328.4
17.5°	3309.0	3280.0	3263.8	3252.5	3247.7	3255.8	3265.4	3273.5	3275.1	3268.7	3242.8
20°	3236.4	3208.9	3189.6	3192.8	3191.2	3196.0	3200.9	3173.4	3139.5	3094.3	3073.4
22.5°	3160.5	3139.5	3125.0	3125.0	3105.6	3075.0	3029.8	3020.1	3015.2	2994.3	2976.5
25°	3087.9	3063.7	3042.7	2978.1	2937.8	2942.6	2934.5	2918.4	2916.8	2915.2	2921.6
27.5°	3015.2	2952.3	2871.6	2861.9	2845.8	2844.1	2853.8	2861.9	2861.9	2868.4	2876.4
30°	2865.1	2792.5	2778.0	2760.2	2766.7	2789.3	2794.1	2805.4	2808.6	2819.9	2826.4
32.5°	2727.9	2695.6	2682.7	2690.8	2711.8	2731.2	2742.4	2747.3	2755.4	2765.0	2773.1
35°	2616.5	2606.9	2618.2	2635.9	2656.9	2673.0	2682.7	2692.4	2700.5	2708.6	2715.0
37.5°	2534.2	2540.7	2556.8	2579.4	2600.4	2613.3	2621.4	2632.7	2644.0	2653.7	2614.9
40°	2456.7	2472.9	2490.6	2514.9	2532.6	2545.5	2553.6	2568.1	2471.3	1118.6	613.4
42.5°	2388.9	2406.7	2419.6	2439.0	2458.4	2468.0	2397.0	1070.2	605.3	602.1	610.2
45°	2306.6	2321.2	2342.1	2356.7	2374.4	1559.3	595.6	602.1	592.4	598.9	602.1
47.5°	2222.7	2245.3	2256.6	2153.3	640.8	592.4	585.9	592.4	585.9	594.0	589.2
50°	2127.5	2154.9	1533.4	579.5	574.6	571.4	577.9	574.6	579.5	585.9	573.0
52.5°	2030.6	1257.4	561.7	558.5	561.7	558.5	569.8	561.7	563.3	556.9	540.7
55°	687.6	544.0	539.1	537.5	547.2	547.2	547.2	534.3	526.2	510.1	498.8
57.5°	526.2	526.2	524.6	526.2	523.0	519.8	505.2	493.9	482.6	460.0	453.6
60°	498.8	498.8	498.8	498.8	484.2	477.8	455.2	445.5	426.1	414.8	408.4
62.5°	476.2	472.9	458.4	453.6	437.4	419.7	406.8	397.1	377.7	371.3	366.4
65°	443.9	432.6	414.8	395.5	387.4	368.0	361.6	347.0	337.4	332.5	329.3
67.5°	390.6	374.5	360.0	347.0	332.5	326.1	318.0	306.7	300.2	297.0	293.8
70°	334.1	322.8	308.3	300.2	290.5	285.7	274.4	271.2	266.3	261.5	256.7
72.5°	279.2	272.8	266.3	255.0	251.8	248.6	237.3	230.8	224.4	217.9	214.7
75°	234.1	229.2	226.0	216.3	211.5	201.8	193.7	188.9	184.0	179.2	175.9
77.5°	192.1	188.9	179.2	172.7	169.5	161.4	158.2	159.8	156.6	150.1	146.9
80°	150.1	146.9	138.8	138.8	135.6	132.4	129.1	125.9	122.7	117.8	114.6
82.5°	114.6	111.4	108.1	104.9	101.7	100.1	98.5	95.2	92.0	88.8	87.2
85°	80.7	79.1	77.5	75.9	74.3	72.6	71.0	67.8	64.6	63.0	61.3
87.5°	54.9	53.3	51.7	50.0	48.4	46.8	45.2	43.6	40.4	38.7	37.1
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°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3807.8	3815.9	3807.8	3790.0	3778.7	3773.9	3783.6	3783.6	3790.0	3798.1	3799.7
5°	3748.1	3728.7	3706.1	3683.5	3672.2	3665.7	3648.0	3651.2	3656.1	3659.3	3662.5
7.5°	3599.6	3573.7	3543.1	3514.0	3502.7	3493.0	3472.0	3472.0	3472.0	3473.7	3483.3
10°	3447.8	3436.5	3423.6	3404.3	3389.7	3384.9	3367.1	3372.0	3368.7	3373.6	3384.9
12.5°	3376.8	3363.9	3352.6	3333.2	3317.1	3310.6	3302.6	3307.4	3305.8	3313.9	3323.5
15°	3312.2	3305.8	3292.9	3278.3	3263.8	3250.9	3221.9	3212.2	3205.7	3197.6	3208.9
17.5°	3205.7	3160.5	3129.8	3107.2	3091.1	3079.8	3071.7	3071.7	3076.6	3081.4	3091.1
20°	3060.4	3047.5	3033.0	3008.8	2992.6	2986.2	2981.3	2981.3	2989.4	2995.9	3013.6
22.5°	2960.4	2958.7	2953.9	2942.6	2934.5	2934.5	2936.1	2939.4	2950.7	2960.4	2978.1
25°	2913.6	2920.0	2916.8	2910.3	2905.5	2907.1	2903.9	2907.1	2918.4	2928.1	2942.6
27.5°	2876.4	2886.1	2882.9	2873.2	2865.1	2868.4	2873.2	2870.0	2879.7	2891.0	2902.3
30°	2826.4	2828.0	2834.5	2823.2	2819.9	2824.8	2826.4	2829.6	2839.3	2847.4	2857.1
32.5°	2769.9	2782.8	2781.2	2769.9	2769.9	2774.7	2776.3	2668.2	2466.4	2124.2	2030.6
35°	2715.0	2729.5	2705.3	2280.8	1578.6	842.6	650.5	627.9	632.7	636.0	639.2
37.5°	2008.0	952.4	606.9	611.8	616.6	621.4	626.3	631.1	636.0	640.8	642.4
40°	603.7	602.1	606.9	613.4	618.2	621.4	627.9	632.7	637.6	642.4	644.0
42.5°	597.2	600.5	605.3	611.8	618.2	624.7	629.5	636.0	639.2	642.4	644.0
45°	594.0	600.5	606.9	611.8	616.6	619.8	623.1	624.7	623.1	623.1	626.3
47.5°	589.2	595.6	597.2	595.6	597.2	595.6	595.6	595.6	590.8	589.2	589.2
50°	571.4	571.4	568.2	561.7	560.1	558.5	555.3	553.7	547.2	545.6	545.6
52.5°	534.3	532.7	527.8	519.8	516.5	513.3	511.7	510.1	503.6	500.4	502.0
55°	490.7	487.5	482.6	472.9	471.3	468.1	466.5	464.9	458.4	461.6	456.8
57.5°	450.3	443.9	437.4	435.8	429.4	427.8	426.1	424.5	419.7	421.3	418.1
60°	401.9	400.3	397.1	390.6	390.6	389.0	389.0	385.8	382.6	380.9	380.9
62.5°	366.4	361.6	358.3	358.3	353.5	353.5	353.5	350.3	347.0	348.7	347.0
65°	327.7	326.1	324.4	321.2	321.2	319.6	319.6	316.4	311.5	313.1	309.9
67.5°	295.4	292.2	288.9	287.3	280.9	277.6	276.0	274.4	267.9	269.6	266.3
70°	255.0	250.2	247.0	243.7	238.9	235.7	235.7	232.4	227.6	229.2	226.0
72.5°	213.1	209.8	206.6	205.0	200.2	198.5	196.9	195.3	190.5	192.1	190.5
75°	177.6	177.6	175.9	174.3	169.5	164.6	161.4	159.8	156.6	158.2	155.0
77.5°	146.9	143.7	140.4	140.4	135.6	132.4	129.1	129.1	129.1	127.5	125.9
80°	114.6	111.4	111.4	109.8	106.5	103.3	101.7	101.7	100.1	100.1	98.5
82.5°	87.2	83.9	82.3	82.3	79.1	77.5	75.9	74.3	74.3	74.3	72.6
85°	61.3	58.1	56.5	56.5	53.3	51.7	51.7	50.0	50.0	48.4	48.4
87.5°	37.1	35.5	33.9	33.9	30.7	29.1	29.1	29.1	27.4	27.4	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-LD5-72SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3799.7	3799.7	3788.4	3791.7	3786.8	3793.3	3785.2	3785.2	3794.9	3794.9	3801.3
5°	3664.1	3656.1	3654.4	3651.2	3635.1	3641.5	3633.5	3625.4	3636.7	3636.7	3651.2
7.5°	3478.5	3464.0	3470.4	3460.7	3451.1	3436.5	3441.4	3434.9	3443.0	3454.3	3468.8
10°	3383.3	3370.4	3378.4	3368.7	3373.6	3352.6	3354.2	3355.8	3363.9	3367.1	3380.0
12.5°	3321.9	3318.7	3315.5	3312.2	3315.5	3304.2	3297.7	3299.3	3302.6	3304.2	3313.9
15°	3192.8	3171.8	3178.3	3155.7	3157.3	3158.9	3146.0	3158.9	3157.3	3178.3	3197.6
17.5°	3087.9	3087.9	3076.6	3066.9	3060.4	3058.8	3049.1	3055.6	3049.1	3062.1	3066.9
20°	3015.2	3013.6	3012.0	3007.2	2991.0	2992.6	2997.5	2983.0	2981.3	2979.7	2989.4
22.5°	2981.3	2983.0	2976.5	2976.5	2962.0	2965.2	2966.8	2950.7	2952.3	2947.4	2952.3
25°	2945.8	2949.1	2941.0	2941.0	2937.8	2936.1	2928.1	2931.3	2921.6	2913.6	2921.6
27.5°	2903.9	2910.3	2903.9	2907.1	2900.6	2897.4	2892.6	2889.3	2879.7	2878.0	2882.9
30°	2865.1	2868.4	2866.7	2858.7	2857.1	2847.4	2852.2	2842.5	2832.8	2834.5	2837.7
32.5°	1468.9	1402.7	1081.5	976.6	966.9	1002.4	1188.0	1446.3	1874.0	2288.9	2587.5
35°	640.8	640.8	640.8	639.2	639.2	637.6	636.0	634.4	632.7	631.1	629.5
37.5°	644.0	644.0	644.0	644.0	642.4	640.8	640.8	637.6	636.0	634.4	632.7
40°	645.7	647.3	647.3	647.3	645.7	645.7	644.0	640.8	639.2	636.0	632.7
42.5°	644.0	645.7	645.7	644.0	644.0	642.4	642.4	640.8	639.2	637.6	636.0
45°	623.1	624.7	621.4	621.4	619.8	619.8	619.8	619.8	619.8	621.4	621.4
47.5°	585.9	585.9	584.3	582.7	582.7	581.1	582.7	581.1	584.3	585.9	589.2
50°	542.4	542.4	539.1	537.5	537.5	537.5	537.5	539.1	540.7	544.0	547.2
52.5°	497.2	497.2	495.5	493.9	492.3	492.3	497.2	495.5	497.2	498.8	503.6
55°	453.6	455.2	452.0	452.0	450.3	450.3	450.3	452.0	453.6	455.2	460.0
57.5°	416.5	416.5	413.2	413.2	413.2	411.6	416.5	413.2	414.8	416.5	419.7
60°	379.3	377.7	377.7	376.1	376.1	376.1	379.3	377.7	377.7	379.3	382.6
62.5°	345.4	345.4	343.8	343.8	342.2	342.2	345.4	343.8	343.8	345.4	347.0
65°	306.7	306.7	305.1	303.5	308.3	303.5	308.3	305.1	308.3	309.9	313.1
67.5°	263.1	263.1	263.1	261.5	261.5	264.7	266.3	263.1	264.7	267.9	269.6
70°	224.4	224.4	222.8	222.8	222.8	226.0	227.6	224.4	226.0	227.6	230.8
72.5°	190.5	187.2	187.2	185.6	188.9	188.9	190.5	188.9	190.5	190.5	193.7
75°	156.6	153.3	153.3	153.3	156.6	155.0	156.6	155.0	156.6	156.6	158.2
77.5°	125.9	124.3	122.7	122.7	125.9	125.9	125.9	124.3	125.9	127.5	129.1
80°	98.5	96.8	95.2	95.2	98.5	98.5	98.5	100.1	98.5	100.1	101.7
82.5°	72.6	71.0	69.4	72.6	72.6	72.6	72.6	74.3	72.6	74.3	75.9
85°	48.4	46.8	45.2	48.4	48.4	48.4	48.4	50.0	48.4	50.0	51.7
87.5°	25.8	24.2	24.2	25.8	25.8	25.8	27.4	27.4	27.4	29.1	29.1
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3811.0	3815.9	3814.2	3804.6	3794.9	3783.6	3775.5	3777.1	3793.3	3798.1	3783.6
5°	3651.2	3681.9	3681.9	3702.9	3691.6	3681.9	3688.3	3723.9	3741.6	3769.1	3778.7
7.5°	3486.6	3501.1	3499.5	3520.5	3517.2	3517.2	3522.1	3568.9	3591.5	3614.1	3620.6
10°	3394.6	3409.1	3407.5	3409.1	3404.3	3393.0	3393.0	3413.9	3433.3	3444.6	3447.8
12.5°	3328.4	3336.5	3334.8	3334.8	3331.6	3321.9	3320.3	3338.1	3359.1	3373.6	3375.2
15°	3229.9	3252.5	3257.4	3278.3	3273.5	3260.6	3263.8	3278.3	3291.3	3304.2	3299.3
17.5°	3083.0	3094.3	3095.9	3104.0	3100.8	3100.8	3120.2	3173.4	3208.9	3239.6	3242.8
20°	2999.1	3007.2	3003.9	3021.7	3013.6	3012.0	3016.9	3039.5	3055.6	3070.1	3095.9
22.5°	2958.7	2965.2	2960.4	2962.0	2947.4	2934.5	2931.3	2949.1	2966.8	2986.2	2986.2
25°	2924.8	2929.7	2928.1	2924.8	2913.6	2895.8	2892.6	2895.8	2902.3	2903.9	2892.6
27.5°	2884.5	2887.7	2887.7	2889.3	2874.8	2858.7	2855.4	2852.2	2858.7	2857.1	2839.3
30°	2842.5	2837.7	2839.3	2840.9	2828.0	2813.5	2807.0	2805.4	2811.9	2810.2	2792.5
32.5°	2742.4	2779.6	2782.8	2786.0	2774.7	2761.8	2755.4	2750.5	2753.7	2752.1	2736.0
35°	627.9	639.2	782.9	1772.3	2406.7	2665.0	2692.4	2686.0	2687.6	2687.6	2674.7
37.5°	629.5	627.9	626.3	621.4	616.6	613.4	1060.5	2261.4	2619.8	2621.4	2610.1
40°	629.5	627.9	626.3	623.1	616.6	611.8	603.7	597.2	611.8	1346.2	2463.2
42.5°	632.7	629.5	626.3	623.1	616.6	610.2	603.7	595.6	600.5	597.2	589.2
45°	623.1	621.4	621.4	619.8	616.6	610.2	602.1	592.4	587.6	592.4	584.3
47.5°	592.4	594.0	598.9	600.5	600.5	602.1	597.2	590.8	582.7	587.6	577.9
50°	550.4	553.7	555.3	563.3	566.6	573.0	574.6	574.6	573.0	579.5	573.0
52.5°	505.2	508.5	516.5	519.8	523.0	532.7	535.9	540.7	544.0	553.7	560.1
55°	461.6	463.3	466.5	472.9	477.8	485.9	490.7	495.5	503.6	508.5	527.8
57.5°	421.3	422.9	429.4	431.0	434.2	440.7	445.5	452.0	458.4	461.6	484.2
60°	382.6	384.2	389.0	390.6	392.2	398.7	403.5	408.4	413.2	416.5	432.6
62.5°	348.7	348.7	353.5	353.5	355.1	360.0	363.2	366.4	371.3	372.9	380.9
65°	314.8	316.4	319.6	319.6	321.2	324.4	326.1	327.7	332.5	332.5	339.0
67.5°	272.8	274.4	279.2	282.5	284.1	290.5	292.2	293.8	297.0	298.6	301.8
70°	232.4	234.1	238.9	240.5	242.1	247.0	250.2	255.0	259.9	264.7	267.9
72.5°	195.3	196.9	201.8	201.8	206.6	208.2	211.5	213.1	217.9	221.1	226.0
75°	159.8	161.4	166.3	166.3	171.1	172.7	174.3	175.9	179.2	182.4	185.6
77.5°	130.7	130.7	137.2	140.4	143.7	143.7	145.3	145.3	145.3	146.9	150.1
80°	103.3	103.3	108.1	111.4	114.6	114.6	116.2	117.8	119.4	119.4	121.1
82.5°	77.5	77.5	82.3	83.9	87.2	87.2	87.2	88.8	90.4	88.8	92.0
85°	53.3	53.3	56.5	58.1	61.3	61.3	61.3	63.0	64.6	63.0	64.6
87.5°	30.7	32.3	33.9	35.5	37.1	38.7	38.7	38.7	40.4	40.4	42.0
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3767.4	3748.1	3746.5	3723.9	3717.4	3719.0	3701.3	3694.8	3665.7	3659.3	3628.6
5°	3782.0	3791.7	3786.8	3785.2	3790.0	3786.8	3773.9	3767.4	3762.6	3749.7	3723.9
7.5°	3622.2	3628.6	3633.5	3654.4	3672.2	3702.9	3735.2	3756.1	3772.3	3775.5	3754.5
10°	3459.1	3489.8	3510.8	3543.1	3568.9	3586.7	3606.0	3623.8	3670.6	3717.4	3744.8
12.5°	3375.2	3383.3	3381.7	3399.4	3417.2	3464.0	3509.2	3535.0	3570.5	3591.5	3641.5
15°	3304.2	3305.8	3310.6	3323.5	3333.2	3349.4	3370.4	3409.1	3480.1	3512.4	3539.8
17.5°	3239.6	3239.6	3242.8	3254.1	3267.1	3281.6	3294.5	3310.6	3346.1	3399.4	3467.2
20°	3136.3	3181.5	3186.3	3184.7	3191.2	3218.6	3221.9	3250.9	3268.7	3289.6	3355.8
22.5°	2983.0	3010.4	3049.1	3108.9	3131.5	3144.4	3154.1	3167.0	3194.4	3218.6	3246.1
25°	2899.0	2916.8	2928.1	2945.8	2992.6	3068.5	3083.0	3097.6	3115.3	3133.1	3167.0
27.5°	2824.8	2823.2	2831.2	2847.4	2860.3	2900.6	2971.7	3028.2	3031.4	3057.2	3086.3
30°	2771.5	2761.8	2750.5	2747.3	2765.0	2786.0	2807.0	2895.8	2957.1	2970.0	3000.7
32.5°	2721.5	2705.3	2689.2	2676.3	2665.0	2682.7	2695.6	2734.4	2813.5	2887.7	2903.9
35°	2660.1	2644.0	2624.6	2610.1	2592.3	2590.7	2589.1	2626.2	2652.1	2740.8	2818.3
37.5°	2597.2	2579.4	2563.3	2547.1	2529.4	2516.5	2508.4	2518.1	2542.3	2581.0	2710.2
40°	2531.0	2510.0	2493.9	2481.0	2456.7	2447.1	2430.9	2424.5	2426.1	2460.0	2527.8
42.5°	1512.5	2411.5	2419.6	2405.1	2384.1	2371.2	2353.4	2345.4	2329.2	2345.4	2384.1
45°	582.7	589.2	1764.3	2330.8	2305.0	2288.9	2272.7	2264.7	2246.9	2234.0	2269.5
47.5°	571.4	577.9	565.0	800.6	2200.1	2204.9	2185.6	2177.5	2159.7	2150.1	2140.4
50°	563.3	568.2	558.5	561.7	550.4	2016.1	2096.8	2087.1	2067.7	2056.4	2037.1
52.5°	555.3	555.3	548.8	540.7	537.5	539.1	1696.5	1995.1	1972.5	1961.2	1935.4
55°	529.4	532.7	539.1	526.2	523.0	521.4	516.5	1615.8	1867.6	1854.7	1832.1
57.5°	490.7	497.2	514.9	511.7	511.7	498.8	495.5	495.5	1499.6	1746.5	1723.9
60°	445.5	452.0	471.3	477.8	482.6	479.4	476.2	474.6	468.1	1580.3	1609.3
62.5°	398.7	405.2	411.6	432.6	439.1	447.1	456.8	452.0	445.5	445.5	1488.3
65°	348.7	358.3	361.6	380.9	389.0	403.5	411.6	422.9	419.7	418.1	426.1
67.5°	305.1	316.4	318.0	326.1	340.6	347.0	356.7	377.7	387.4	390.6	393.9
70°	267.9	274.4	279.2	282.5	292.2	293.8	311.5	326.1	340.6	356.7	361.6
72.5°	230.8	235.7	245.4	242.1	245.4	251.8	261.5	271.2	285.7	308.3	322.8
75°	188.9	192.1	198.5	201.8	208.2	213.1	219.5	227.6	240.5	251.8	271.2
77.5°	151.7	153.3	158.2	159.8	166.3	171.1	182.4	187.2	195.3	203.4	214.7
80°	122.7	122.7	124.3	124.3	129.1	134.0	142.0	146.9	156.6	163.0	163.0
82.5°	93.6	93.6	98.5	98.5	101.7	101.7	106.5	106.5	111.4	114.6	117.8
85°	66.2	67.8	71.0	69.4	72.6	71.0	74.3	77.5	79.1	77.5	75.9
87.5°	43.6	43.6	46.8	45.2	46.8	46.8	50.0	50.0	51.7	51.7	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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3617.3	3593.1	3578.6	3560.8	3556.0	3551.1	3557.6	3557.6	3547.9	3539.8	3525.3
5°	3701.3	3675.4	3648.0	3618.9	3591.5	3562.4	3551.1	3549.5	3531.8	3522.1	3517.2
7.5°	3744.8	3731.9	3701.3	3660.9	3618.9	3567.3	3544.7	3531.8	3514.0	3510.8	3510.8
10°	3749.7	3735.2	3719.0	3690.0	3641.5	3573.7	3530.2	3504.3	3488.2	3499.5	3520.5
12.5°	3702.9	3730.3	3715.8	3696.4	3657.7	3575.4	3512.4	3473.7	3468.8	3497.9	3552.8
15°	3583.4	3664.1	3704.5	3685.1	3654.4	3572.1	3483.3	3438.2	3438.2	3497.9	3568.9
17.5°	3493.0	3556.0	3654.4	3670.6	3635.1	3565.7	3455.9	3402.6	3417.2	3504.3	3580.2
20°	3418.8	3457.5	3552.8	3643.1	3609.3	3551.1	3415.6	3360.7	3389.7	3494.6	3596.3
22.5°	3302.6	3380.0	3438.2	3572.1	3583.4	3523.7	3375.2	3309.0	3367.1	3494.6	3588.3
25°	3189.6	3283.2	3344.5	3475.3	3544.7	3489.8	3338.1	3254.1	3342.9	3489.8	3581.8
27.5°	3110.5	3154.1	3265.4	3359.1	3486.6	3444.6	3288.0	3194.4	3312.2	3464.0	3544.7
30°	3026.5	3055.6	3165.4	3254.1	3409.1	3393.0	3236.4	3128.2	3273.5	3439.8	3447.8
32.5°	2934.5	2966.8	3023.3	3152.4	3300.9	3344.5	3178.3	3062.1	3231.5	3402.6	3334.8
35°	2840.9	2865.1	2910.3	3049.1	3175.0	3271.9	3107.2	2986.2	3202.5	3346.1	3226.7
37.5°	2747.3	2773.1	2811.9	2928.1	3042.7	3204.1	3045.9	2910.3	3149.2	3246.1	3113.7
40°	2658.5	2673.0	2713.4	2786.0	2932.9	3134.7	2976.5	2831.2	3094.3	3118.5	2960.4
42.5°	2495.5	2568.1	2605.2	2663.4	2808.6	3039.5	2895.8	2747.3	3033.0	2991.0	2807.0
45°	2319.5	2477.7	2493.9	2552.0	2698.9	2937.8	2819.9	2665.0	2974.9	2881.3	2661.7
47.5°	2175.9	2290.5	2384.1	2432.5	2568.1	2818.3	2748.9	2595.6	2887.7	2742.4	2519.7
50°	2048.4	2109.7	2279.2	2314.7	2411.5	2674.7	2665.0	2514.9	2766.7	2568.1	2380.9
52.5°	1924.1	1967.7	2121.0	2196.9	2276.0	2519.7	2564.9	2435.8	2634.3	2393.8	2240.4
55°	1815.9	1830.5	1914.4	2074.2	2145.2	2363.1	2455.1	2343.8	2466.4	2227.5	2104.9
57.5°	1704.5	1691.6	1753.0	1958.0	2009.6	2203.3	2338.9	2250.1	2330.8	2058.0	1964.4
60°	1588.3	1570.6	1596.4	1732.0	1866.0	2045.1	2201.7	2146.8	2166.2	1890.2	1807.9
62.5°	1467.3	1449.5	1441.4	1527.0	1725.5	1882.1	2062.9	2032.2	1964.4	1736.8	1614.2
65°	1341.4	1323.6	1310.7	1344.6	1570.6	1670.7	1907.9	1899.9	1743.3	1575.4	1359.1
67.5°	408.4	1204.2	1176.7	1175.1	1323.6	1478.6	1740.1	1727.1	1520.5	1402.7	1170.3
70°	368.0	976.6	1037.9	1023.4	1087.9	1283.3	1548.0	1538.3	1304.2	1125.1	1034.7
72.5°	337.4	345.4	916.8	900.7	915.2	1091.2	1347.8	1322.0	1105.7	887.8	894.2
75°	288.9	303.5	316.4	760.3	740.9	903.9	1129.9	1089.6	912.0	732.8	747.4
77.5°	235.7	253.4	263.1	553.7	598.9	644.0	902.3	849.0	627.9	585.9	279.2
80°	175.9	190.5	206.6	221.1	455.2	450.3	669.9	616.6	437.4	364.8	217.9
82.5°	129.1	134.0	143.7	159.8	180.8	301.8	431.0	379.3	303.5	166.3	150.1
85°	80.7	87.2	92.0	96.8	109.8	180.8	213.1	169.5	127.5	101.7	95.2
87.5°	51.7	51.7	50.0	51.7	53.3	64.6	72.6	69.4	54.9	51.7	51.7
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3509.2	3486.6	3486.6	3480.1	3485.0	3485.0	3483.3	3485.0	3496.3	3502.7	3514.0
5°	3507.6	3501.1	3515.6	3533.4	3554.4	3580.2	3586.7	3609.3	3630.2	3657.7	3686.7
7.5°	3528.5	3551.1	3578.6	3607.6	3649.6	3680.3	3707.7	3735.2	3754.5	3780.4	3796.5
10°	3559.2	3604.4	3651.2	3688.3	3733.5	3759.4	3777.1	3780.4	3752.9	3709.3	3673.8
12.5°	3602.8	3656.1	3699.6	3735.2	3756.1	3746.5	3694.8	3641.5	3610.9	3565.7	3502.7
15°	3639.9	3688.3	3733.5	3719.0	3662.5	3609.3	3568.9	3505.9	3444.6	3402.6	3375.2
17.5°	3656.1	3702.9	3686.7	3610.9	3557.6	3496.3	3413.9	3365.5	3325.2	3292.9	3276.7
20°	3665.7	3657.7	3570.5	3515.6	3412.3	3355.8	3302.6	3257.4	3226.7	3210.6	3207.3
22.5°	3639.9	3541.5	3467.2	3368.7	3292.9	3246.1	3204.1	3167.0	3146.0	3133.1	3125.0
25°	3554.4	3439.8	3330.0	3252.5	3188.0	3147.6	3115.3	3084.7	3058.8	3052.4	3036.2
27.5°	3434.9	3341.3	3196.0	3136.3	3079.8	3060.4	3024.9	2994.3	2971.7	2952.3	2900.6
30°	3336.5	3188.0	3083.0	3028.2	2994.3	2971.7	2931.3	2899.0	2860.3	2789.3	2760.2
32.5°	3215.4	3068.5	2968.4	2937.8	2895.8	2876.4	2831.2	2760.2	2700.5	2671.4	2669.8
35°	3058.8	2937.8	2865.1	2837.7	2803.8	2771.5	2677.9	2613.3	2584.3	2587.5	2611.7
37.5°	2928.1	2819.9	2773.1	2734.4	2695.6	2613.3	2534.2	2503.6	2511.6	2527.8	2539.1
40°	2795.7	2713.4	2660.1	2629.5	2542.3	2461.6	2419.6	2430.9	2445.4	2456.7	2471.3
42.5°	2666.6	2608.5	2555.2	2495.5	2376.0	2332.5	2342.1	2356.7	2369.6	2385.7	2400.2
45°	2543.9	2492.3	2430.9	2295.3	2235.6	2246.9	2261.4	2272.7	2292.1	2303.4	2317.9
47.5°	2427.7	2372.8	2264.7	2145.2	2138.8	2161.4	2174.3	2188.8	2203.3	2174.3	1199.3
50°	2296.9	2240.4	2075.8	2030.6	2045.1	2066.1	2082.3	2096.8	1867.6	742.5	571.4
52.5°	2167.8	2024.2	1919.2	1932.1	1946.7	1970.9	1982.2	1472.1	585.9	558.5	560.1
55°	2024.2	1840.1	1809.5	1825.6	1838.5	1862.7	1234.8	540.7	537.5	535.9	548.8
57.5°	1798.2	1686.8	1699.7	1715.8	1728.8	1220.3	526.2	523.0	524.6	526.2	527.8
60°	1596.4	1572.2	1586.7	1601.2	1133.1	508.5	498.8	500.4	506.8	502.0	489.1
62.5°	1436.6	1456.0	1470.5	1288.1	482.6	477.8	482.6	477.8	466.5	458.4	442.3
65°	1313.9	1333.3	1344.6	453.6	452.0	458.4	453.6	437.4	419.7	397.1	392.2
67.5°	1184.8	1204.2	431.0	419.7	426.1	418.1	398.7	379.3	366.4	347.0	339.0
70°	1050.8	450.3	390.6	389.0	377.7	364.8	343.8	324.4	308.3	300.2	292.2
72.5°	758.7	356.7	351.9	339.0	319.6	301.8	284.1	272.8	264.7	259.9	255.0
75°	316.4	309.9	295.4	272.8	253.4	245.4	232.4	224.4	221.1	211.5	208.2
77.5°	264.7	251.8	230.8	214.7	203.4	198.5	188.9	179.2	174.3	172.7	166.3
80°	203.4	185.6	175.9	167.9	164.6	153.3	142.0	137.2	134.0	132.4	127.5
82.5°	138.8	132.4	125.9	114.6	114.6	109.8	104.9	101.7	98.5	98.5	95.2
85°	90.4	85.6	83.9	79.1	79.1	75.9	74.3	72.6	71.0	69.4	67.8
87.5°	51.7	51.7	53.3	51.7	51.7	50.0	48.4	46.8	45.2	45.2	42.0
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3528.5	3544.7	3547.9	3602.8	3633.5	3631.8	3622.2	3651.2	3633.5	3623.8	3633.5
5°	3715.8	3735.2	3751.3	3811.0	3832.0	3841.7	3840.1	3856.2	3843.3	3832.0	3832.0
7.5°	3807.8	3814.2	3820.7	3806.2	3796.5	3780.4	3756.1	3720.6	3702.9	3683.5	3659.3
10°	3656.1	3635.1	3643.1	3614.1	3589.9	3572.1	3549.5	3520.5	3496.3	3478.5	3451.1
12.5°	3470.4	3468.8	3472.0	3476.9	3452.7	3438.2	3420.4	3399.4	3381.7	3362.3	3339.7
15°	3357.4	3359.1	3372.0	3367.1	3359.1	3351.0	3331.6	3325.2	3309.0	3288.0	3275.1
17.5°	3276.7	3284.8	3297.7	3291.3	3278.3	3270.3	3255.8	3241.2	3226.7	3210.6	3191.2
20°	3205.7	3213.8	3221.9	3213.8	3189.6	3178.3	3158.9	3113.7	3081.4	3049.1	3020.1
22.5°	3128.2	3133.1	3126.6	3100.8	3039.5	3010.4	2987.8	2974.9	2947.4	2929.7	2911.9
25°	3031.4	3003.9	2962.0	2932.9	2908.7	2895.8	2886.1	2884.5	2881.3	2878.0	2870.0
27.5°	2873.2	2863.5	2840.9	2829.6	2831.2	2836.1	2837.7	2842.5	2837.7	2831.2	2824.8
30°	2755.4	2760.2	2761.8	2765.0	2773.1	2778.0	2779.6	2786.0	2782.8	2778.0	2774.7
32.5°	2681.1	2692.4	2698.9	2708.6	2713.4	2721.5	2721.5	2731.2	2721.5	2719.9	2716.6
35°	2619.8	2629.5	2632.7	2647.2	2652.1	2660.1	2660.1	2668.2	2660.1	2577.8	2035.4
37.5°	2558.4	2568.1	2574.6	2587.5	2589.1	2593.9	2393.8	1751.4	1129.9	874.9	668.3
40°	2485.8	2497.1	2503.6	2508.4	1762.7	1118.6	770.0	626.3	626.3	631.1	636.0
42.5°	2408.3	2416.4	1683.6	979.8	610.2	608.5	613.4	618.2	623.1	629.5	636.0
45°	1893.4	955.6	606.9	592.4	597.2	603.7	610.2	616.6	624.7	631.1	634.4
47.5°	621.4	582.7	590.8	584.3	592.4	600.5	606.9	613.4	615.0	616.6	615.0
50°	574.6	574.6	579.5	579.5	585.9	589.2	589.2	589.2	582.7	581.1	576.3
52.5°	555.3	568.2	561.7	565.0	561.7	556.9	552.0	547.2	537.5	534.3	527.8
55°	545.6	550.4	534.3	529.4	523.0	510.1	503.6	497.2	489.1	485.9	477.8
57.5°	523.0	511.7	493.9	485.9	474.6	461.6	455.2	450.3	442.3	439.1	434.2
60°	481.0	458.4	447.1	437.4	424.5	413.2	408.4	405.2	398.7	397.1	392.2
62.5°	429.4	410.0	400.3	387.4	377.7	371.3	366.4	364.8	358.3	358.3	355.1
65°	372.9	363.2	355.1	342.2	337.4	330.9	329.3	327.7	324.4	322.8	319.6
67.5°	327.7	321.2	309.9	303.5	300.2	295.4	292.2	288.9	282.5	279.2	274.4
70°	287.3	282.5	271.2	266.3	259.9	251.8	247.0	243.7	238.9	235.7	230.8
72.5°	248.6	234.1	226.0	221.1	216.3	208.2	206.6	203.4	198.5	196.9	192.1
75°	200.2	188.9	184.0	180.8	175.9	171.1	171.1	171.1	166.3	164.6	163.0
77.5°	159.8	153.3	150.1	146.9	145.3	142.0	137.2	135.6	130.7	130.7	129.1
80°	122.7	119.4	116.2	114.6	113.0	109.8	106.5	104.9	100.1	100.1	98.5
82.5°	90.4	88.8	87.2	85.6	83.9	82.3	77.5	75.9	72.6	72.6	71.0
85°	64.6	63.0	59.7	58.1	58.1	56.5	51.7	50.0	46.8	46.8	46.8
87.5°	40.4	38.7	37.1	35.5	33.9	32.3	29.1	27.4	27.4	24.2	22.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3614.1	3641.5	3638.3	3657.7	3662.5	3672.2	3675.4	3677.0	3652.8	3672.2	3673.8
5°	3827.2	3832.0	3835.2	3843.3	3851.4	3853.0	3844.9	3835.2	3838.5	3832.0	3815.9
7.5°	3656.1	3631.8	3627.0	3620.6	3617.3	3614.1	3599.6	3612.5	3598.0	3591.5	3568.9
10°	3446.2	3423.6	3422.0	3422.0	3426.9	3425.2	3422.0	3415.6	3428.5	3420.4	3415.6
12.5°	3336.5	3328.4	3333.2	3330.0	3342.9	3346.1	3342.9	3342.9	3339.7	3333.2	3336.5
15°	3270.3	3263.8	3268.7	3263.8	3273.5	3275.1	3267.1	3271.9	3263.8	3255.8	3252.5
17.5°	3183.1	3168.6	3157.3	3141.1	3142.8	3139.5	3129.8	3129.8	3121.8	3100.8	3102.4
20°	3015.2	3000.7	2994.3	2994.3	3002.3	3005.6	3003.9	3007.2	2999.1	2995.9	2983.0
22.5°	2910.3	2908.7	2911.9	2920.0	2932.9	2950.7	2952.3	2952.3	2952.3	2950.7	2934.5
25°	2873.2	2873.2	2876.4	2887.7	2897.4	2910.3	2913.6	2916.8	2913.6	2913.6	2899.0
27.5°	2831.2	2828.0	2834.5	2845.8	2857.1	2866.7	2874.8	2876.4	2871.6	2871.6	2876.4
30°	2779.6	2778.0	2786.0	2797.3	2807.0	2816.7	2824.8	2831.2	2824.8	2824.8	2819.9
32.5°	2726.3	2726.3	2729.5	2661.7	2468.0	2222.7	2227.5	2085.5	1987.0	1862.7	2027.4
35°	1701.3	1238.1	1063.7	900.7	786.1	711.8	710.2	686.0	674.7	666.6	665.0
37.5°	642.4	645.7	652.1	655.3	660.2	663.4	665.0	665.0	665.0	665.0	663.4
40°	640.8	647.3	652.1	657.0	661.8	665.0	665.0	666.6	668.3	668.3	668.3
42.5°	642.4	648.9	655.3	660.2	663.4	665.0	666.6	668.3	668.3	668.3	668.3
45°	640.8	644.0	644.0	645.7	645.7	645.7	647.3	647.3	645.7	644.0	647.3
47.5°	616.6	616.6	611.8	610.2	608.5	605.3	606.9	605.3	603.7	602.1	605.3
50°	574.6	568.2	565.0	561.7	560.1	556.9	558.5	556.9	555.3	552.0	556.9
52.5°	524.6	523.0	516.5	513.3	511.7	513.3	510.1	508.5	506.8	505.2	506.8
55°	476.2	469.7	468.1	464.9	463.3	464.9	463.3	461.6	460.0	458.4	460.0
57.5°	432.6	427.8	426.1	422.9	422.9	422.9	422.9	421.3	419.7	418.1	419.7
60°	390.6	387.4	385.8	385.8	384.2	384.2	384.2	382.6	380.9	380.9	382.6
62.5°	355.1	355.1	350.3	348.7	348.7	350.3	348.7	347.0	345.4	343.8	347.0
65°	318.0	311.5	309.9	306.7	303.5	305.1	303.5	301.8	300.2	298.6	301.8
67.5°	272.8	271.2	264.7	261.5	259.9	261.5	259.9	258.3	256.7	255.0	258.3
70°	229.2	229.2	222.8	221.1	219.5	219.5	217.9	217.9	216.3	214.7	217.9
72.5°	190.5	190.5	188.9	185.6	184.0	182.4	180.8	179.2	179.2	180.8	180.8
75°	158.2	155.0	148.5	150.1	148.5	146.9	146.9	145.3	143.7	146.9	145.3
77.5°	124.3	122.7	117.8	119.4	117.8	116.2	116.2	114.6	113.0	114.6	114.6
80°	93.6	93.6	92.0	90.4	90.4	88.8	87.2	87.2	85.6	87.2	87.2
82.5°	67.8	67.8	66.2	64.6	63.0	63.0	61.3	61.3	61.3	61.3	61.3
85°	43.6	42.0	42.0	38.7	38.7	38.7	37.1	37.1	37.1	37.1	37.1
87.5°	21.0	21.0	19.4	19.4	17.8	16.1	16.1	14.5	14.5	16.1	16.1
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3644.8	3665.7	3648.0	3656.1	3657.7	3685.1	3683.5	3690.0	3678.7	3665.7	3648.0
5°	3830.4	3820.7	3807.8	3838.5	3822.3	3841.7	3848.1	3861.1	3861.1	3859.4	3844.9
7.5°	3593.1	3572.1	3588.3	3599.6	3604.4	3591.5	3617.3	3646.4	3670.6	3685.1	3686.7
10°	3407.5	3413.9	3412.3	3417.2	3428.5	3426.9	3443.0	3459.1	3465.6	3475.3	3478.5
12.5°	3320.3	3318.7	3321.9	3333.2	3339.7	3338.1	3354.2	3363.9	3367.1	3368.7	3367.1
15°	3250.9	3239.6	3247.7	3249.3	3254.1	3254.1	3273.5	3288.0	3294.5	3297.7	3294.5
17.5°	3120.2	3092.7	3118.5	3118.5	3136.3	3133.1	3163.7	3188.0	3200.9	3210.6	3210.6
20°	2991.0	2978.1	2987.8	2984.6	2997.5	2995.9	3015.2	3031.4	3042.7	3050.8	3060.4
22.5°	2939.4	2942.6	2928.1	2929.7	2929.7	2928.1	2937.8	2945.8	2949.1	2953.9	2950.7
25°	2905.5	2908.7	2903.9	2895.8	2892.6	2895.8	2900.6	2910.3	2911.9	2908.7	2897.4
27.5°	2871.6	2861.9	2870.0	2855.4	2852.2	2858.7	2865.1	2866.7	2868.4	2868.4	2858.7
30°	2819.9	2811.9	2819.9	2813.5	2807.0	2813.5	2818.3	2818.3	2821.5	2823.2	2811.9
32.5°	1970.9	1987.0	2248.5	2406.7	2629.5	2742.4	2763.4	2763.4	2766.7	2766.7	2757.0
35°	671.5	673.1	728.0	789.3	920.1	1081.5	1292.9	1402.7	1774.0	2217.8	2647.2
37.5°	663.4	661.8	660.2	658.6	657.0	655.3	652.1	650.5	660.2	782.9	1062.1
40°	666.6	665.0	661.8	660.2	658.6	655.3	653.7	650.5	647.3	644.0	640.8
42.5°	666.6	665.0	663.4	661.8	660.2	658.6	655.3	652.1	648.9	644.0	639.2
45°	644.0	644.0	645.7	645.7	647.3	647.3	647.3	645.7	645.7	644.0	637.6
47.5°	602.1	602.1	606.9	606.9	610.2	613.4	613.4	616.6	621.4	624.7	626.3
50°	553.7	553.7	558.5	560.1	563.3	568.2	573.0	574.6	579.5	585.9	592.4
52.5°	505.2	505.2	510.1	510.1	513.3	518.1	523.0	524.6	531.1	537.5	545.6
55°	460.0	460.0	463.3	464.9	466.5	469.7	474.6	474.6	481.0	485.9	493.9
57.5°	419.7	422.9	422.9	422.9	424.5	427.8	431.0	431.0	435.8	440.7	447.1
60°	380.9	384.2	384.2	384.2	385.8	387.4	390.6	390.6	393.9	397.1	403.5
62.5°	345.4	348.7	348.7	350.3	350.3	351.9	355.1	353.5	356.7	358.3	363.2
65°	300.2	303.5	305.1	306.7	308.3	311.5	316.4	314.8	319.6	322.8	327.7
67.5°	256.7	259.9	259.9	261.5	263.1	266.3	269.6	269.6	274.4	277.6	284.1
70°	216.3	219.5	219.5	221.1	222.8	226.0	229.2	227.6	232.4	235.7	240.5
72.5°	179.2	182.4	182.4	184.0	184.0	187.2	190.5	193.7	193.7	196.9	200.2
75°	145.3	146.9	148.5	148.5	150.1	151.7	155.0	158.2	159.8	161.4	164.6
77.5°	114.6	116.2	117.8	117.8	119.4	121.1	122.7	129.1	132.4	134.0	134.0
80°	87.2	88.8	88.8	88.8	90.4	92.0	95.2	95.2	101.7	101.7	103.3
82.5°	61.3	63.0	63.0	63.0	64.6	67.8	69.4	71.0	74.3	75.9	75.9
85°	37.1	38.7	38.7	38.7	40.4	42.0	45.2	46.8	48.4	48.4	50.0
87.5°	14.5	16.1	17.8	17.8	19.4	21.0	22.6	24.2	25.8	25.8	27.4
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3628.6	3639.9	3628.6	3635.1	3643.1	3628.6	3594.7	3581.8	3577.0	3557.6	3544.7
5°	3830.4	3830.4	3825.5	3838.5	3836.8	3814.2	3778.7	3762.6	3746.5	3725.5	3709.3
7.5°	3686.7	3699.6	3707.7	3757.8	3790.0	3793.3	3815.9	3820.7	3827.2	3820.7	3811.0
10°	3480.1	3475.3	3497.9	3544.7	3572.1	3586.7	3630.2	3651.2	3669.0	3704.5	3741.6
12.5°	3363.9	3370.4	3380.0	3413.9	3439.8	3433.3	3451.1	3465.6	3486.6	3522.1	3575.4
15°	3286.4	3292.9	3302.6	3328.4	3344.5	3336.5	3346.1	3355.8	3370.4	3388.1	3420.4
17.5°	3202.5	3213.8	3225.1	3252.5	3267.1	3265.4	3273.5	3276.7	3281.6	3292.9	3315.5
20°	3071.7	3107.2	3129.8	3167.0	3188.0	3184.7	3199.3	3204.1	3210.6	3221.9	3231.5
22.5°	2952.3	2962.0	2973.3	3013.6	3049.1	3092.7	3102.4	3115.3	3131.5	3142.8	3152.4
25°	2884.5	2878.0	2882.9	2910.3	2929.7	2932.9	2947.4	2989.4	3033.0	3052.4	3075.0
27.5°	2844.1	2837.7	2836.1	2849.0	2852.2	2844.1	2840.9	2853.8	2886.1	2918.4	2986.2
30°	2800.6	2792.5	2786.0	2797.3	2802.2	2790.9	2769.9	2758.6	2778.0	2786.0	2813.5
32.5°	2748.9	2740.8	2737.6	2744.1	2747.3	2737.6	2715.0	2702.1	2698.9	2692.4	2698.9
35°	2690.8	2682.7	2677.9	2679.5	2686.0	2677.9	2658.5	2642.4	2634.3	2616.5	2603.6
37.5°	1386.6	1964.4	2550.4	2611.7	2618.2	2616.5	2597.2	2579.4	2571.3	2550.4	2543.9
40°	634.4	708.6	1063.7	1389.8	2004.8	2547.1	2529.4	2511.6	2497.1	2490.6	2466.4
42.5°	632.7	634.4	636.0	627.9	778.0	1325.2	1956.4	2442.2	2432.5	2416.4	2398.6
45°	632.7	624.7	631.1	621.4	624.7	623.1	776.4	1252.6	2229.1	2329.2	2321.2
47.5°	626.3	621.4	627.9	619.8	610.2	615.0	608.5	616.6	962.0	1631.9	2235.6
50°	597.2	600.5	611.8	610.2	602.1	608.5	597.2	606.9	598.9	657.0	1265.5
52.5°	553.7	560.1	571.4	581.1	584.3	592.4	589.2	592.4	585.9	587.6	589.2
55°	502.0	510.1	519.8	534.3	540.7	553.7	563.3	568.2	576.3	574.6	561.7
57.5°	453.6	461.6	469.7	484.2	498.8	505.2	523.0	532.7	553.7	548.8	545.6
60°	408.4	414.8	422.9	426.1	443.9	455.2	471.3	481.0	508.5	514.9	524.6
62.5°	368.0	371.3	377.7	382.6	393.9	405.2	413.2	429.4	443.9	464.9	479.4
65°	330.9	334.1	339.0	342.2	343.8	360.0	364.8	382.6	387.4	410.0	422.9
67.5°	288.9	295.4	301.8	305.1	308.3	318.0	321.2	329.3	340.6	350.3	366.4
70°	245.4	250.2	256.7	261.5	267.9	274.4	284.1	288.9	297.0	303.5	316.4
72.5°	205.0	209.8	213.1	217.9	222.8	227.6	235.7	247.0	253.4	264.7	267.9
75°	166.3	171.1	174.3	177.6	182.4	185.6	188.9	200.2	206.6	216.3	226.0
77.5°	137.2	137.2	140.4	150.1	148.5	148.5	151.7	158.2	163.0	169.5	179.2
80°	106.5	108.1	109.8	117.8	119.4	121.1	119.4	124.3	129.1	130.7	137.2
82.5°	79.1	80.7	80.7	85.6	90.4	90.4	90.4	92.0	96.8	98.5	101.7
85°	53.3	54.9	56.5	58.1	61.3	63.0	64.6	64.6	67.8	69.4	71.0
87.5°	29.1	32.3	33.9	35.5	37.1	38.7	40.4	42.0	43.6	45.2	46.8
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1	3522.1
2.5°	3539.8	3531.8	3526.9	3514.0	3510.8	3489.8	3493.0	3489.8	3489.8	3494.6	3510.8
5°	3691.6	3652.8	3643.1	3615.7	3593.1	3554.4	3530.2	3517.2	3497.9	3489.8	3501.1
7.5°	3794.9	3765.8	3741.6	3717.4	3685.1	3639.9	3606.0	3567.3	3535.0	3504.3	3496.3
10°	3777.1	3809.4	3809.4	3794.9	3764.2	3719.0	3678.7	3630.2	3573.7	3525.3	3496.3
12.5°	3627.0	3683.5	3728.7	3762.6	3793.3	3762.6	3722.2	3683.5	3620.6	3549.5	3496.3
15°	3462.4	3520.5	3577.0	3648.0	3722.2	3752.9	3751.3	3706.1	3649.6	3575.4	3501.1
17.5°	3346.1	3386.5	3417.2	3494.6	3585.0	3664.1	3717.4	3720.6	3665.7	3599.6	3502.7
20°	3259.0	3288.0	3313.9	3357.4	3436.5	3533.4	3631.8	3686.7	3677.0	3604.4	3507.6
22.5°	3179.9	3200.9	3221.9	3254.1	3317.1	3380.0	3494.6	3607.6	3656.1	3596.3	3502.7
25°	3100.8	3123.4	3139.5	3162.1	3212.2	3263.8	3344.5	3485.0	3593.1	3589.9	3493.0
27.5°	3007.2	3037.8	3057.2	3087.9	3121.8	3160.5	3215.4	3347.8	3502.7	3557.6	3467.2
30°	2894.2	2939.4	2968.4	3002.3	3031.4	3065.3	3108.9	3189.6	3381.7	3494.6	3439.8
32.5°	2731.2	2811.9	2876.4	2908.7	2941.0	2970.0	3008.8	3076.6	3233.2	3409.1	3409.1
35°	2614.9	2652.1	2710.2	2803.8	2844.1	2873.2	2908.7	2962.0	3062.1	3307.4	3359.1
37.5°	2524.5	2539.1	2568.1	2660.1	2736.0	2782.8	2818.3	2852.2	2950.7	3168.6	3294.5
40°	2456.7	2451.9	2448.7	2492.3	2600.4	2674.7	2715.0	2748.9	2824.8	3002.3	3208.9
42.5°	2377.7	2372.8	2356.7	2368.0	2421.2	2545.5	2606.9	2644.0	2706.9	2828.0	3115.3
45°	2295.3	2287.3	2280.8	2269.5	2288.9	2358.3	2484.2	2539.1	2574.6	2682.7	2997.5
47.5°	2211.4	2200.1	2192.0	2182.3	2171.0	2203.3	2322.8	2421.2	2482.6	2550.4	2855.4
50°	2091.9	2106.5	2096.8	2085.5	2075.8	2069.3	2119.4	2280.8	2356.7	2411.5	2682.7
52.5°	986.2	1917.6	1998.3	1987.0	1974.1	1962.8	1974.1	2096.8	2234.0	2277.6	2474.5
55°	561.7	853.9	1777.2	1878.9	1867.6	1851.4	1841.8	1883.7	2088.7	2146.8	2284.0
57.5°	540.7	542.4	784.5	1693.2	1756.2	1741.7	1730.4	1740.1	1914.4	2012.9	2117.8
60°	523.0	523.0	523.0	749.0	1619.0	1623.8	1609.3	1593.2	1669.0	1862.7	1949.9
62.5°	484.2	493.9	498.8	498.8	739.3	1499.6	1485.0	1480.2	1483.4	1681.9	1782.0
65°	434.2	456.8	466.5	472.9	472.9	776.4	1357.5	1349.4	1338.1	1414.0	1612.5
67.5°	379.3	401.9	422.9	435.8	437.4	452.0	810.3	1215.5	1199.3	1200.9	1431.8
70°	322.8	342.2	364.8	384.2	401.9	410.0	422.9	1008.8	1062.1	1039.5	1226.8
72.5°	279.2	287.3	303.5	322.8	343.8	363.2	374.5	401.9	921.7	897.5	933.0
75°	232.4	238.9	250.2	263.1	279.2	301.8	321.2	340.6	489.1	752.2	747.4
77.5°	180.8	192.1	205.0	213.1	221.1	237.3	263.1	282.5	301.8	508.5	598.9
80°	138.8	146.9	153.3	161.4	171.1	182.4	192.1	214.7	237.3	255.0	458.4
82.5°	103.3	108.1	113.0	116.2	119.4	125.9	143.7	151.7	166.3	182.4	216.3
85°	72.6	75.9	79.1	80.7	82.3	83.9	90.4	92.0	106.5	109.8	130.7
87.5°	46.8	48.4	51.7	53.3	53.3	54.9	56.5	56.5	56.5	53.3	64.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3522.1	3522.1
2.5°	3523.7	3549.5
5°	3518.9	3552.8
7.5°	3505.9	3538.2
10°	3486.6	3525.3
12.5°	3465.6	3502.7
15°	3447.8	3475.3
17.5°	3428.5	3444.6
20°	3402.6	3415.6
22.5°	3376.8	3370.4
25°	3347.8	3333.2
27.5°	3310.6	3283.2
30°	3276.7	3228.3
32.5°	3244.5	3165.4
35°	3200.9	3100.8
37.5°	3155.7	3034.6
40°	3102.4	2958.7
42.5°	3045.9	2882.9
45°	2974.9	2810.2
47.5°	2911.9	2723.1
50°	2824.8	2629.5
52.5°	2718.2	2542.3
55°	2592.3	2435.8
57.5°	2456.7	2324.4
60°	2311.5	2196.9
62.5°	2135.5	2064.5
65°	1928.9	1912.8
67.5°	1659.4	1744.9
70°	1360.7	1552.8
72.5°	1138.0	1349.4
75°	933.0	1121.8
77.5°	739.3	879.7
80°	461.6	644.0
82.5°	309.9	422.9
85°	187.2	201.8
87.5°	72.6	74.3
90°	0.0	0.0

(END OF REPORT)