

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-LD5-101SL-RW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-101SL-RW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

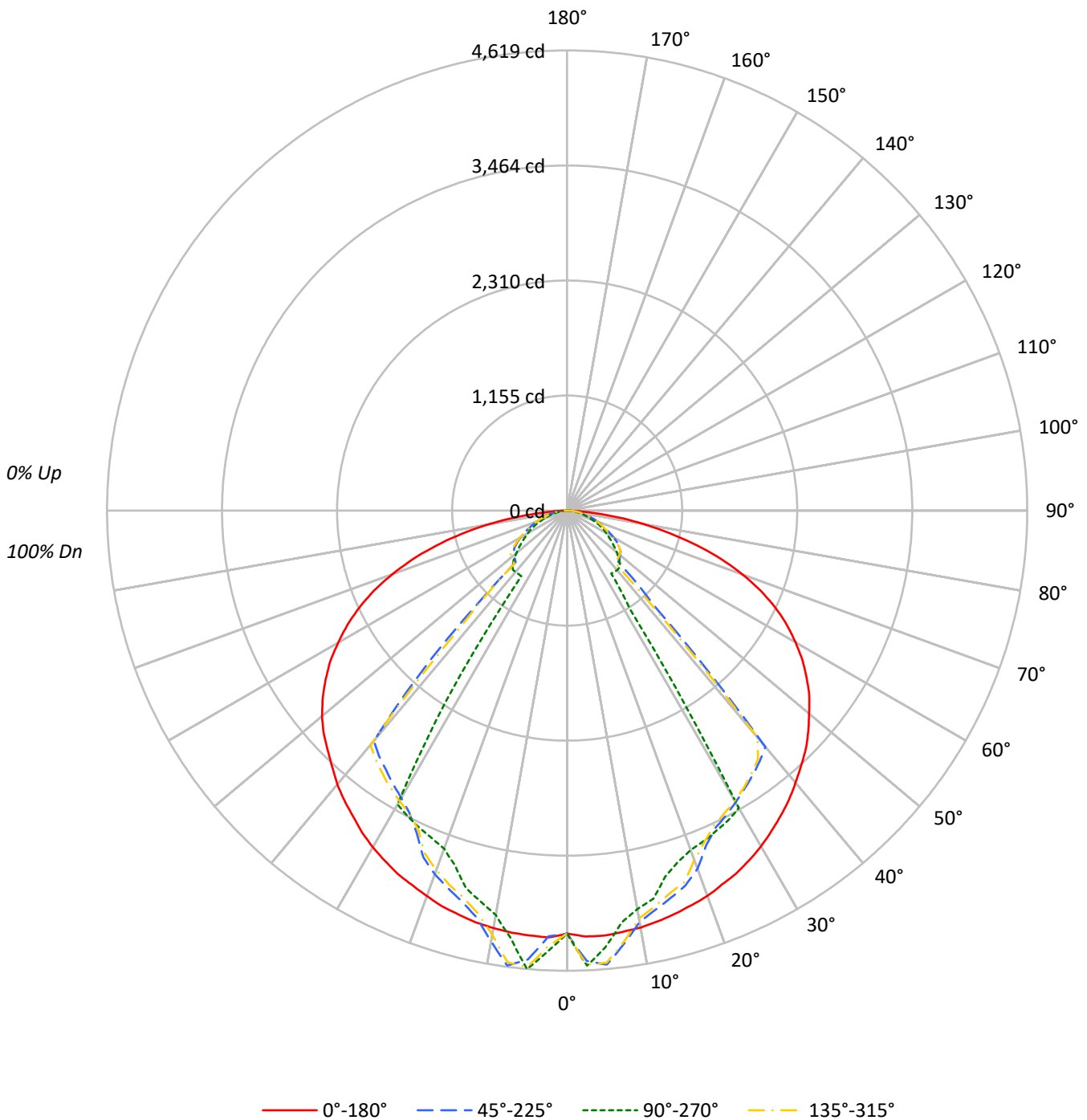
Lumens per Lamp: N/A
Luminaire Lumens: 8502.0 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 82
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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CATALOG NUMBER: 8SNLED-LD5-101SL-RW-UNV-L930-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	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°	17155	17155	17155	17155
5°	17346	17284	17339	18140
10°	17388	15627	17411	15866
15°	17451	14458	17491	14916
20°	17604	13713	17604	13662
25°	17784	13451	17810	13325
30°	17994	13214	18039	13057
35°	18237	3010	18275	3139
40°	18569	3130	18680	3231
45°	19059	3112	19125	3226
50°	19560	2814	19824	2890
55°	20232	2498	20393	2534
60°	20836	2220	20882	2249
65°	21329	1938	21276	1907
70°	21203	1562	21137	1505
75°	19948	1202	20091	1152
80°	16595	854	17260	782
85°	9566	512	10101	393



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.7	4.9
10°-20°	1148.5	13.5
20°-30°	1701.2	20.0
30°-40°	1714.1	20.2
40°-50°	1339.0	15.7
50°-60°	1034.3	12.2
60°-70°	694.4	8.2
70°-80°	354.2	4.2
80°-90°	98.6	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3267.5	38.4
0°-40°	4981.6	58.6
0°-60°	7354.8	86.5
0°-90°	8502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8502.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4246	4246	4246	4246	4246	
5°	4283	4401	4281	4619	4283	407
15°	4189	3804	4199	3925	4189	1185
25°	4018	3545	4024	3512	4018	1853
35°	3738	770	3746	804	3738	2342
45°	3388	749	3399	776	3388	2612
55°	2936	545	2960	553	2936	2622
65°	2306	366	2300	360	2306	2268
75°	1352	185	1362	177	1352	1414
85°	243	58	257	45	243	335
90°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4278.8	4294.3	4306.0	4313.8	4317.7	4317.7	4319.6	4321.6	4346.9	4358.5	4366.3
5°	4282.6	4298.2	4321.6	4352.7	4379.9	4403.3	4422.7	4450.0	4477.2	4506.4	4516.1
7.5°	4265.1	4284.6	4331.3	4387.7	4440.3	4477.2	4502.5	4520.0	4533.7	4535.6	4545.3
10°	4249.6	4284.6	4348.8	4422.7	4488.9	4533.7	4533.7	4523.9	4537.5	4485.0	4432.5
12.5°	4222.3	4261.2	4348.8	4446.1	4508.4	4525.9	4518.1	4479.2	4399.4	4335.2	4306.0
15°	4189.3	4241.8	4350.8	4459.7	4512.3	4518.1	4444.1	4344.9	4284.6	4245.7	4197.0
17.5°	4152.3	4222.3	4352.7	4461.7	4481.1	4453.9	4313.8	4251.5	4189.3	4097.8	4031.6
20°	4117.3	4185.4	4337.1	4434.4	4446.1	4323.5	4214.5	4148.4	4043.3	3963.5	3934.4
22.5°	4062.8	4142.6	4323.5	4397.5	4352.7	4210.7	4105.6	4000.5	3905.2	3881.8	3846.8
25°	4018.0	4101.7	4292.4	4352.7	4234.0	4107.5	3984.9	3862.4	3817.6	3784.5	3753.4
27.5°	3957.7	4060.8	4251.5	4271.0	4107.5	3996.6	3817.6	3763.1	3722.3	3685.3	3671.7
30°	3891.5	4018.0	4195.1	4158.1	4002.5	3839.0	3706.7	3656.1	3626.9	3588.0	3572.4
32.5°	3815.7	3953.8	4132.8	4027.8	3889.6	3685.3	3599.7	3560.8	3521.9	3492.7	3395.4
35°	3737.8	3897.4	4058.9	3903.2	3753.4	3568.6	3492.7	3457.6	3420.7	3313.7	3212.5
37.5°	3658.1	3835.1	3969.4	3769.0	3572.4	3447.9	3383.7	3344.8	3261.1	3124.9	3074.3
40°	3566.6	3759.2	3854.6	3630.8	3414.8	3325.3	3265.0	3226.1	3037.4	2977.0	2961.5
42.5°	3475.2	3685.3	3714.5	3496.6	3284.5	3195.0	3144.4	3016.0	2887.5	2856.4	2862.2
45°	3387.6	3605.5	3560.8	3305.9	3148.3	3074.3	2988.7	2811.6	2743.5	2759.1	2763.0
47.5°	3282.5	3510.2	3399.3	3115.2	3008.2	2934.2	2743.5	2636.5	2626.8	2648.2	2659.9
50°	3169.7	3403.2	3228.0	2942.0	2856.4	2768.8	2552.9	2498.4	2510.0	2531.5	2545.1
52.5°	3064.6	3282.5	3051.0	2780.5	2706.6	2506.2	2360.2	2370.0	2389.4	2414.7	2422.5
55°	2936.2	3136.6	2862.2	2617.1	2547.0	2284.3	2218.2	2241.5	2261.0	2282.4	2298.0
57.5°	2801.9	2969.3	2638.5	2434.2	2321.3	2087.8	2093.7	2109.2	2122.8	2148.1	887.3
60°	2648.2	2778.6	2393.3	2264.9	2041.1	1932.2	1938.0	1965.2	1978.9	1105.2	611.0
62.5°	2488.6	2556.7	2171.5	2072.2	1784.3	1776.5	1803.7	1815.4	1235.6	583.7	572.1
65°	2305.7	2292.1	1953.6	1795.9	1609.2	1616.9	1646.1	1587.8	546.8	546.8	542.9
67.5°	2103.4	2021.7	1741.5	1486.6	1439.9	1457.4	1488.5	519.5	505.9	509.8	496.2
70°	1871.8	1757.0	1521.6	1258.9	1274.5	1292.0	502.0	470.9	465.0	455.3	428.1
72.5°	1626.7	1469.1	1245.3	1093.5	1103.3	692.7	439.7	424.2	404.7	385.3	356.1
75°	1352.3	1148.0	914.5	914.5	928.1	395.0	383.3	358.0	336.6	311.3	293.8
77.5°	1060.4	883.4	710.2	737.4	360.0	330.8	309.4	282.1	264.6	249.1	239.3
80°	776.4	616.8	535.1	478.7	280.2	251.0	229.6	214.0	206.3	196.5	184.8
82.5°	509.8	371.6	371.6	225.7	196.5	173.2	167.3	155.7	147.9	142.0	136.2
85°	243.2	216.0	163.4	138.1	122.6	110.9	107.0	101.2	101.2	99.2	97.3
87.5°	89.5	97.3	72.0	70.0	66.2	64.2	66.2	66.2	68.1	66.2	64.2
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°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4385.8	4401.3	4413.0	4432.5	4457.8	4479.2	4498.6	4525.9	4568.7	4580.4	4590.1
5°	4516.1	4522.0	4535.6	4551.2	4555.1	4564.8	4562.8	4574.5	4580.4	4594.0	4564.8
7.5°	4523.9	4492.8	4455.8	4422.7	4399.4	4378.0	4364.4	4385.8	4397.5	4407.2	4378.0
10°	4360.5	4323.5	4302.1	4282.6	4259.3	4226.2	4181.5	4191.2	4187.3	4187.3	4177.6
12.5°	4257.4	4204.8	4150.3	4101.7	4080.3	4078.3	4080.3	4101.7	4101.7	4099.7	4088.1
15°	4095.9	4045.3	4018.0	4006.3	4006.3	4000.5	4000.5	4023.9	4018.0	4018.0	4012.2
17.5°	3988.8	3953.8	3934.4	3920.7	3914.9	3924.6	3936.3	3946.0	3948.0	3940.2	3909.1
20°	3901.3	3868.2	3844.9	3848.7	3846.8	3852.6	3858.5	3825.4	3784.5	3730.0	3704.8
22.5°	3809.8	3784.5	3767.0	3767.0	3743.7	3706.7	3652.2	3640.5	3634.7	3609.4	3588.0
25°	3722.3	3693.1	3667.8	3590.0	3541.3	3547.1	3537.4	3518.0	3516.0	3514.1	3521.9
27.5°	3634.7	3558.8	3461.5	3449.9	3430.4	3428.5	3440.1	3449.9	3449.9	3457.6	3467.4
30°	3453.7	3366.2	3348.7	3327.3	3335.1	3362.3	3368.1	3381.8	3385.6	3399.3	3407.1
32.5°	3288.4	3249.4	3233.9	3243.6	3268.9	3292.3	3305.9	3311.7	3321.4	3333.1	3342.8
35°	3154.1	3142.4	3156.0	3177.4	3202.7	3222.2	3233.9	3245.6	3255.3	3265.0	3272.8
37.5°	3054.9	3062.6	3082.1	3109.3	3134.6	3150.2	3159.9	3173.6	3187.2	3198.9	3152.2
40°	2961.5	2980.9	3002.3	3031.5	3052.9	3068.5	3078.2	3095.7	2979.0	1348.4	739.4
42.5°	2879.7	2901.1	2916.7	2940.1	2963.4	2975.1	2889.5	1290.0	729.7	725.8	735.5
45°	2780.5	2798.0	2823.3	2840.8	2862.2	1879.6	718.0	725.8	714.1	721.9	725.8
47.5°	2679.3	2706.6	2720.2	2595.7	772.5	714.1	706.3	714.1	706.3	716.0	710.2
50°	2564.5	2597.6	1848.5	698.5	692.7	688.8	696.6	692.7	698.5	706.3	690.7
52.5°	2447.8	1515.8	677.1	673.2	677.1	673.2	686.9	677.1	679.1	671.3	651.8
55°	828.9	655.7	649.9	647.9	659.6	659.6	659.6	644.1	634.3	614.9	601.2
57.5°	634.3	634.3	632.4	634.3	630.4	626.5	609.0	595.4	581.8	554.5	546.8
60°	601.2	601.2	601.2	601.2	583.7	575.9	548.7	537.0	513.7	500.1	492.3
62.5°	574.0	570.1	552.6	546.8	527.3	505.9	490.3	478.7	455.3	447.5	441.7
65°	535.1	521.5	500.1	476.7	467.0	443.6	435.9	418.3	406.7	400.8	396.9
67.5°	470.9	451.4	433.9	418.3	400.8	393.0	383.3	369.7	361.9	358.0	354.1
70°	402.8	389.2	371.6	361.9	350.2	344.4	330.8	326.9	321.1	315.2	309.4
72.5°	336.6	328.8	321.1	307.4	303.5	299.6	286.0	278.2	270.5	262.7	258.8
75°	282.1	276.3	272.4	260.7	254.9	243.2	233.5	227.7	221.8	216.0	212.1
77.5°	231.5	227.7	216.0	208.2	204.3	194.6	190.7	192.6	188.7	181.0	177.1
80°	181.0	177.1	167.3	167.3	163.4	159.6	155.7	151.8	147.9	142.0	138.1
82.5°	138.1	134.3	130.4	126.5	122.6	120.6	118.7	114.8	110.9	107.0	105.1
85°	97.3	95.3	93.4	91.5	89.5	87.6	85.6	81.7	77.8	75.9	73.9
87.5°	66.2	64.2	62.3	60.3	58.4	56.4	54.5	52.5	48.6	46.7	44.8
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°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4590.1	4599.8	4590.1	4568.7	4555.1	4549.2	4560.9	4560.9	4568.7	4578.4	4580.4
5°	4518.1	4494.7	4467.5	4440.3	4426.6	4418.9	4397.5	4401.3	4407.2	4411.1	4415.0
7.5°	4339.1	4307.9	4271.0	4236.0	4222.3	4210.7	4185.4	4185.4	4185.4	4187.3	4199.0
10°	4156.2	4142.6	4127.0	4103.6	4086.1	4080.3	4058.9	4064.7	4060.8	4066.7	4080.3
12.5°	4070.6	4055.0	4041.4	4018.0	3998.6	3990.8	3981.1	3986.9	3984.9	3994.7	4006.3
15°	3992.7	3984.9	3969.4	3951.9	3934.4	3918.8	3883.8	3872.1	3864.3	3854.6	3868.2
17.5°	3864.3	3809.8	3772.9	3745.6	3726.2	3712.5	3702.8	3702.8	3708.6	3714.5	3726.2
20°	3689.2	3673.6	3656.1	3626.9	3607.5	3599.7	3593.8	3593.8	3603.6	3611.4	3632.8
22.5°	3568.6	3566.6	3560.8	3547.1	3537.4	3537.4	3539.4	3543.3	3556.9	3568.6	3590.0
25°	3512.1	3519.9	3516.0	3508.2	3502.4	3504.3	3500.4	3504.3	3518.0	3529.6	3547.1
27.5°	3467.4	3479.0	3475.2	3463.5	3453.7	3457.6	3463.5	3459.6	3471.3	3484.9	3498.5
30°	3407.1	3409.0	3416.8	3403.2	3399.3	3405.1	3407.1	3410.9	3422.6	3432.3	3444.0
32.5°	3338.9	3354.5	3352.6	3338.9	3338.9	3344.8	3346.7	3216.4	2973.1	2560.6	2447.8
35°	3272.8	3290.3	3261.1	2749.4	1903.0	1015.7	784.1	756.9	762.7	766.6	770.5
37.5°	2420.5	1148.0	731.6	737.4	743.3	749.1	755.0	760.8	766.6	772.5	774.4
40°	727.7	725.8	731.6	739.4	745.2	749.1	756.9	762.7	768.6	774.4	776.4
42.5°	719.9	723.8	729.7	737.4	745.2	753.0	758.9	766.6	770.5	774.4	776.4
45°	716.0	723.8	731.6	737.4	743.3	747.2	751.1	753.0	751.1	751.1	755.0
47.5°	710.2	718.0	719.9	718.0	719.9	718.0	718.0	718.0	712.2	710.2	710.2
50°	688.8	688.8	684.9	677.1	675.2	673.2	669.3	667.4	659.6	657.7	657.7
52.5°	644.1	642.1	636.3	626.5	622.6	618.8	616.8	614.9	607.1	603.2	605.1
55°	591.5	587.6	581.8	570.1	568.2	564.3	562.3	560.4	552.6	556.5	550.7
57.5°	542.9	535.1	527.3	525.4	517.6	515.6	513.7	511.7	505.9	507.8	504.0
60°	484.5	482.6	478.7	470.9	470.9	468.9	468.9	465.0	461.1	459.2	459.2
62.5°	441.7	435.9	432.0	432.0	426.1	426.1	426.1	422.2	418.3	420.3	418.3
65°	395.0	393.0	391.1	387.2	387.2	385.3	385.3	381.4	375.5	377.5	373.6
67.5°	356.1	352.2	348.3	346.3	338.6	334.7	332.7	330.8	323.0	324.9	321.1
70°	307.4	301.6	297.7	293.8	288.0	284.1	284.1	280.2	274.4	276.3	272.4
72.5°	256.8	253.0	249.1	247.1	241.3	239.3	237.4	235.4	229.6	231.5	229.6
75°	214.0	214.0	212.1	210.1	204.3	198.5	194.6	192.6	188.7	190.7	186.8
77.5°	177.1	173.2	169.3	169.3	163.4	159.6	155.7	155.7	155.7	153.7	151.8
80°	138.1	134.3	134.3	132.3	128.4	124.5	122.6	122.6	120.6	120.6	118.7
82.5°	105.1	101.2	99.2	99.2	95.3	93.4	91.5	89.5	89.5	89.5	87.6
85°	73.9	70.0	68.1	68.1	64.2	62.3	62.3	60.3	60.3	58.4	58.4
87.5°	44.8	42.8	40.9	40.9	37.0	35.0	35.0	35.0	33.1	33.1	31.1
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4580.4	4580.4	4566.7	4570.6	4564.8	4572.6	4562.8	4562.8	4574.5	4574.5	4582.3
5°	4416.9	4407.2	4405.2	4401.3	4381.9	4389.7	4379.9	4370.2	4383.8	4383.8	4401.3
7.5°	4193.1	4175.6	4183.4	4171.7	4160.1	4142.6	4148.4	4140.6	4150.3	4164.0	4181.5
10°	4078.3	4062.8	4072.5	4060.8	4066.7	4041.4	4043.3	4045.3	4055.0	4058.9	4074.5
12.5°	4004.4	4000.5	3996.6	3992.7	3996.6	3983.0	3975.2	3977.2	3981.1	3983.0	3994.7
15°	3848.7	3823.4	3831.2	3804.0	3805.9	3807.9	3792.3	3807.9	3805.9	3831.2	3854.6
17.5°	3722.3	3722.3	3708.6	3697.0	3689.2	3687.2	3675.6	3683.4	3675.6	3691.1	3697.0
20°	3634.7	3632.8	3630.8	3625.0	3605.5	3607.5	3613.3	3595.8	3593.8	3591.9	3603.6
22.5°	3593.8	3595.8	3588.0	3588.0	3570.5	3574.4	3576.3	3556.9	3558.8	3553.0	3558.8
25°	3551.0	3554.9	3545.2	3545.2	3541.3	3539.4	3529.6	3533.5	3521.9	3512.1	3521.9
27.5°	3500.4	3508.2	3500.4	3504.3	3496.6	3492.7	3486.8	3482.9	3471.3	3469.3	3475.2
30°	3453.7	3457.6	3455.7	3446.0	3444.0	3432.3	3438.2	3426.5	3414.8	3416.8	3420.7
32.5°	1770.7	1690.9	1303.7	1177.2	1165.5	1208.3	1432.1	1743.4	2259.0	2759.1	3119.1
35°	772.5	772.5	772.5	770.5	770.5	768.6	766.6	764.7	762.7	760.8	758.9
37.5°	776.4	776.4	776.4	776.4	774.4	772.5	772.5	768.6	766.6	764.7	762.7
40°	778.3	780.3	780.3	780.3	778.3	778.3	776.4	772.5	770.5	766.6	762.7
42.5°	776.4	778.3	778.3	776.4	776.4	774.4	774.4	772.5	770.5	768.6	766.6
45°	751.1	753.0	749.1	749.1	747.2	747.2	747.2	747.2	747.2	749.1	749.1
47.5°	706.3	706.3	704.4	702.4	702.4	700.5	702.4	700.5	704.4	706.3	710.2
50°	653.8	653.8	649.9	647.9	647.9	647.9	647.9	649.9	651.8	655.7	659.6
52.5°	599.3	599.3	597.4	595.4	593.5	593.5	599.3	597.4	599.3	601.2	607.1
55°	546.8	548.7	544.8	544.8	542.9	542.9	542.9	544.8	546.8	548.7	554.5
57.5°	502.0	502.0	498.1	498.1	498.1	496.2	502.0	498.1	500.1	502.0	505.9
60°	457.3	455.3	455.3	453.4	453.4	453.4	457.3	455.3	455.3	457.3	461.1
62.5°	416.4	416.4	414.4	414.4	412.5	412.5	416.4	414.4	414.4	416.4	418.3
65°	369.7	369.7	367.8	365.8	371.6	365.8	371.6	367.8	371.6	373.6	377.5
67.5°	317.2	317.2	317.2	315.2	315.2	319.1	321.1	317.2	319.1	323.0	324.9
70°	270.5	270.5	268.5	268.5	268.5	272.4	274.4	270.5	272.4	274.4	278.2
72.5°	229.6	225.7	225.7	223.8	227.7	227.7	229.6	227.7	229.6	229.6	233.5
75°	188.7	184.8	184.8	184.8	188.7	186.8	188.7	186.8	188.7	188.7	190.7
77.5°	151.8	149.8	147.9	147.9	151.8	151.8	151.8	149.8	151.8	153.7	155.7
80°	118.7	116.7	114.8	114.8	118.7	118.7	118.7	120.6	118.7	120.6	122.6
82.5°	87.6	85.6	83.7	87.6	87.6	87.6	87.6	89.5	87.6	89.5	91.5
85°	58.4	56.4	54.5	58.4	58.4	58.4	58.4	60.3	58.4	60.3	62.3
87.5°	31.1	29.2	29.2	31.1	31.1	31.1	33.1	33.1	33.1	35.0	35.0
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4594.0	4599.8	4597.9	4586.2	4574.5	4560.9	4551.2	4553.1	4572.6	4578.4	4560.9
5°	4401.3	4438.3	4438.3	4463.6	4450.0	4438.3	4446.1	4488.9	4510.3	4543.4	4555.1
7.5°	4202.9	4220.4	4218.4	4243.7	4239.8	4239.8	4245.7	4302.1	4329.3	4356.6	4364.4
10°	4092.0	4109.5	4107.5	4109.5	4103.6	4090.0	4090.0	4115.3	4138.7	4152.3	4156.2
12.5°	4012.2	4021.9	4020.0	4020.0	4016.1	4004.4	4002.5	4023.9	4049.2	4066.7	4068.6
15°	3893.5	3920.7	3926.6	3951.9	3946.0	3930.5	3934.4	3951.9	3967.4	3983.0	3977.2
17.5°	3716.4	3730.0	3732.0	3741.7	3737.8	3737.8	3761.2	3825.4	3868.2	3905.2	3909.1
20°	3615.2	3625.0	3621.1	3642.5	3632.8	3630.8	3636.7	3663.9	3683.4	3700.9	3732.0
22.5°	3566.6	3574.4	3568.6	3570.5	3553.0	3537.4	3533.5	3554.9	3576.3	3599.7	3599.7
25°	3525.7	3531.6	3529.6	3525.7	3512.1	3490.7	3486.8	3490.7	3498.5	3500.4	3486.8
27.5°	3477.1	3481.0	3481.0	3482.9	3465.4	3446.0	3442.1	3438.2	3446.0	3444.0	3422.6
30°	3426.5	3420.7	3422.6	3424.6	3409.0	3391.5	3383.7	3381.8	3389.5	3387.6	3366.2
32.5°	3305.9	3350.6	3354.5	3358.4	3344.8	3329.2	3321.4	3315.6	3319.5	3317.5	3298.1
35°	756.9	770.5	943.7	2136.5	2901.1	3212.5	3245.6	3237.8	3239.7	3239.7	3224.1
37.5°	758.9	756.9	755.0	749.1	743.3	739.4	1278.4	2726.0	3158.0	3159.9	3146.3
40°	758.9	756.9	755.0	751.1	743.3	737.4	727.7	719.9	737.4	1622.8	2969.3
42.5°	762.7	758.9	755.0	751.1	743.3	735.5	727.7	718.0	723.8	719.9	710.2
45°	751.1	749.1	749.1	747.2	743.3	735.5	725.8	714.1	708.3	714.1	704.4
47.5°	714.1	716.0	721.9	723.8	723.8	725.8	719.9	712.2	702.4	708.3	696.6
50°	663.5	667.4	669.3	679.1	683.0	690.7	692.7	692.7	690.7	698.5	690.7
52.5°	609.0	612.9	622.6	626.5	630.4	642.1	646.0	651.8	655.7	667.4	675.2
55°	556.5	558.4	562.3	570.1	575.9	585.7	591.5	597.4	607.1	612.9	636.3
57.5°	507.8	509.8	517.6	519.5	523.4	531.2	537.0	544.8	552.6	556.5	583.7
60°	461.1	463.1	468.9	470.9	472.8	480.6	486.4	492.3	498.1	502.0	521.5
62.5°	420.3	420.3	426.1	426.1	428.1	433.9	437.8	441.7	447.5	449.5	459.2
65°	379.4	381.4	385.3	385.3	387.2	391.1	393.0	395.0	400.8	400.8	408.6
67.5°	328.8	330.8	336.6	340.5	342.5	350.2	352.2	354.1	358.0	360.0	363.9
70°	280.2	282.1	288.0	289.9	291.9	297.7	301.6	307.4	313.3	319.1	323.0
72.5°	235.4	237.4	243.2	243.2	249.1	251.0	254.9	256.8	262.7	266.6	272.4
75°	192.6	194.6	200.4	200.4	206.3	208.2	210.1	212.1	216.0	219.9	223.8
77.5°	157.6	157.6	165.4	169.3	173.2	173.2	175.1	175.1	175.1	177.1	181.0
80°	124.5	124.5	130.4	134.3	138.1	138.1	140.1	142.0	144.0	144.0	145.9
82.5°	93.4	93.4	99.2	101.2	105.1	105.1	105.1	107.0	109.0	107.0	110.9
85°	64.2	64.2	68.1	70.0	73.9	73.9	73.9	75.9	77.8	75.9	77.8
87.5°	37.0	38.9	40.9	42.8	44.8	46.7	46.7	46.7	48.6	48.6	50.6
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4541.4	4518.1	4516.1	4488.9	4481.1	4483.1	4461.7	4453.9	4418.9	4411.1	4374.1
5°	4558.9	4570.6	4564.8	4562.8	4568.7	4564.8	4549.2	4541.4	4535.6	4520.0	4488.9
7.5°	4366.3	4374.1	4379.9	4405.2	4426.6	4463.6	4502.5	4527.8	4547.3	4551.2	4525.9
10°	4169.8	4206.8	4232.1	4271.0	4302.1	4323.5	4346.9	4368.3	4424.7	4481.1	4514.2
12.5°	4068.6	4078.3	4076.4	4097.8	4119.2	4175.6	4230.1	4261.2	4304.1	4329.3	4389.7
15°	3983.0	3984.9	3990.8	4006.3	4018.0	4037.5	4062.8	4109.5	4195.1	4234.0	4267.1
17.5°	3905.2	3905.2	3909.1	3922.7	3938.2	3955.8	3971.3	3990.8	4033.6	4097.8	4179.5
20°	3780.6	3835.1	3841.0	3839.0	3846.8	3879.9	3883.8	3918.8	3940.2	3965.5	4045.3
22.5°	3595.8	3628.9	3675.6	3747.6	3774.8	3790.4	3802.0	3817.6	3850.7	3879.9	3913.0
25°	3494.6	3516.0	3529.6	3551.0	3607.5	3698.9	3716.4	3733.9	3755.3	3776.7	3817.6
27.5°	3405.1	3403.2	3412.9	3432.3	3447.9	3496.6	3582.2	3650.3	3654.2	3685.3	3720.3
30°	3340.9	3329.2	3315.6	3311.7	3333.1	3358.4	3383.7	3490.7	3564.7	3580.2	3617.2
32.5°	3280.6	3261.1	3241.7	3226.1	3212.5	3233.9	3249.4	3296.1	3391.5	3481.0	3500.4
35°	3206.6	3187.2	3163.8	3146.3	3124.9	3123.0	3121.0	3165.8	3196.9	3303.9	3397.3
37.5°	3130.8	3109.3	3089.9	3070.4	3049.0	3033.5	3023.7	3035.4	3064.6	3111.3	3267.0
40°	3051.0	3025.7	3006.2	2990.7	2961.5	2949.8	2930.3	2922.6	2924.5	2965.4	3047.1
42.5°	1823.2	2907.0	2916.7	2899.2	2873.9	2858.3	2836.9	2827.2	2807.8	2827.2	2873.9
45°	702.4	710.2	2126.7	2809.7	2778.6	2759.1	2739.7	2729.9	2708.5	2693.0	2735.8
47.5°	688.8	696.6	681.0	965.1	2652.1	2657.9	2634.6	2624.8	2603.4	2591.8	2580.1
50°	679.1	684.9	673.2	677.1	663.5	2430.3	2527.6	2515.9	2492.5	2478.9	2455.6
52.5°	669.3	669.3	661.6	651.8	647.9	649.9	2045.0	2405.0	2377.7	2364.1	2333.0
55°	638.2	642.1	649.9	634.3	630.4	628.5	622.6	1947.7	2251.3	2235.7	2208.5
57.5°	591.5	599.3	620.7	616.8	616.8	601.2	597.4	597.4	1807.6	2105.3	2078.1
60°	537.0	544.8	568.2	575.9	581.8	577.9	574.0	572.1	564.3	1904.9	1939.9
62.5°	480.6	488.4	496.2	521.5	529.3	539.0	550.7	544.8	537.0	537.0	1794.0
65°	420.3	432.0	435.9	459.2	468.9	486.4	496.2	509.8	505.9	504.0	513.7
67.5°	367.8	381.4	383.3	393.0	410.6	418.3	430.0	455.3	467.0	470.9	474.8
70°	323.0	330.8	336.6	340.5	352.2	354.1	375.5	393.0	410.6	430.0	435.9
72.5°	278.2	284.1	295.8	291.9	295.8	303.5	315.2	326.9	344.4	371.6	389.2
75°	227.7	231.5	239.3	243.2	251.0	256.8	264.6	274.4	289.9	303.5	326.9
77.5°	182.9	184.8	190.7	192.6	200.4	206.3	219.9	225.7	235.4	245.2	258.8
80°	147.9	147.9	149.8	149.8	155.7	161.5	171.2	177.1	188.7	196.5	196.5
82.5°	112.9	112.9	118.7	118.7	122.6	122.6	128.4	128.4	134.3	138.1	142.0
85°	79.8	81.7	85.6	83.7	87.6	85.6	89.5	93.4	95.3	93.4	91.5
87.5°	52.5	52.5	56.4	54.5	56.4	56.4	60.3	60.3	62.3	62.3	60.3
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4360.5	4331.3	4313.8	4292.4	4286.5	4280.7	4288.5	4288.5	4276.8	4267.1	4249.6
5°	4461.7	4430.5	4397.5	4362.4	4329.3	4294.3	4280.7	4278.8	4257.4	4245.7	4239.8
7.5°	4514.2	4498.6	4461.7	4413.0	4362.4	4300.2	4272.9	4257.4	4236.0	4232.1	4232.1
10°	4520.0	4502.5	4483.1	4448.0	4389.7	4307.9	4255.4	4224.3	4204.8	4218.4	4243.7
12.5°	4463.6	4496.7	4479.2	4455.8	4409.1	4309.9	4234.0	4187.3	4181.5	4216.5	4282.6
15°	4319.6	4416.9	4465.6	4442.2	4405.2	4306.0	4199.0	4144.5	4144.5	4216.5	4302.1
17.5°	4210.7	4286.5	4405.2	4424.7	4381.9	4298.2	4165.9	4101.7	4119.2	4224.3	4315.7
20°	4121.2	4167.8	4282.6	4391.6	4350.8	4280.7	4117.3	4051.1	4086.1	4212.6	4335.2
22.5°	3981.1	4074.5	4144.5	4306.0	4319.6	4247.6	4068.6	3988.8	4058.9	4212.6	4325.5
25°	3844.9	3957.7	4031.6	4189.3	4272.9	4206.8	4023.9	3922.7	4029.7	4206.8	4317.7
27.5°	3749.5	3802.0	3936.3	4049.2	4202.9	4152.3	3963.5	3850.7	3992.7	4175.6	4272.9
30°	3648.3	3683.4	3815.7	3922.7	4109.5	4090.0	3901.3	3770.9	3946.0	4146.4	4156.2
32.5°	3537.4	3576.3	3644.4	3800.1	3979.1	4031.6	3831.2	3691.1	3895.4	4101.7	4020.0
35°	3424.6	3453.7	3508.2	3675.6	3827.3	3944.1	3745.6	3599.7	3860.4	4033.6	3889.6
37.5°	3311.7	3342.8	3389.5	3529.6	3667.8	3862.4	3671.7	3508.2	3796.2	3913.0	3753.4
40°	3204.7	3222.2	3270.8	3358.4	3535.5	3778.7	3588.0	3412.9	3730.0	3759.2	3568.6
42.5°	3008.2	3095.7	3140.5	3210.5	3385.6	3663.9	3490.7	3311.7	3656.1	3605.5	3383.7
45°	2796.1	2986.8	3006.2	3076.3	3253.3	3541.3	3399.3	3212.5	3586.1	3473.2	3208.6
47.5°	2622.9	2761.1	2873.9	2932.3	3095.7	3397.3	3313.7	3128.8	3481.0	3305.9	3037.4
50°	2469.2	2543.1	2747.4	2790.2	2907.0	3224.1	3212.5	3031.5	3335.1	3095.7	2870.0
52.5°	2319.4	2371.9	2556.7	2648.2	2743.5	3037.4	3091.8	2936.2	3175.5	2885.6	2700.7
55°	2189.0	2206.5	2307.7	2500.3	2585.9	2848.6	2959.5	2825.3	2973.1	2685.2	2537.3
57.5°	2054.7	2039.2	2113.1	2360.2	2422.5	2656.0	2819.4	2712.4	2809.7	2480.9	2368.0
60°	1914.6	1893.2	1924.4	2087.8	2249.3	2465.3	2654.0	2587.9	2611.2	2278.5	2179.3
62.5°	1768.7	1747.3	1737.6	1840.7	2080.0	2268.8	2486.7	2449.7	2368.0	2093.7	1945.8
65°	1616.9	1595.5	1580.0	1620.8	1893.2	2013.9	2299.9	2290.2	2101.4	1899.1	1638.3
67.5°	492.3	1451.5	1418.5	1416.5	1595.5	1782.3	2097.5	2082.0	1832.9	1690.9	1410.7
70°	443.6	1177.2	1251.1	1233.6	1311.5	1546.9	1866.0	1854.3	1572.2	1356.2	1247.2
72.5°	406.7	416.4	1105.2	1085.7	1103.3	1315.3	1624.7	1593.6	1332.9	1070.2	1078.0
75°	348.3	365.8	381.4	916.5	893.1	1089.6	1362.0	1313.4	1099.4	883.4	900.9
77.5°	284.1	305.5	317.2	667.4	721.9	776.4	1087.7	1023.5	756.9	706.3	336.6
80°	212.1	229.6	249.1	266.6	548.7	542.9	807.5	743.3	527.3	439.7	262.7
82.5°	155.7	161.5	173.2	192.6	217.9	363.9	519.5	457.3	365.8	200.4	181.0
85°	97.3	105.1	110.9	116.7	132.3	217.9	256.8	204.3	153.7	122.6	114.8
87.5°	62.3	62.3	60.3	62.3	64.2	77.8	87.6	83.7	66.2	62.3	62.3
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4230.1	4202.9	4202.9	4195.1	4200.9	4200.9	4199.0	4200.9	4214.5	4222.3	4236.0
5°	4228.2	4220.4	4237.9	4259.3	4284.6	4315.7	4323.5	4350.8	4376.0	4409.1	4444.1
7.5°	4253.5	4280.7	4313.8	4348.8	4399.4	4436.4	4469.4	4502.5	4525.9	4557.0	4576.5
10°	4290.4	4344.9	4401.3	4446.1	4500.6	4531.7	4553.1	4557.0	4523.9	4471.4	4428.6
12.5°	4343.0	4407.2	4459.7	4502.5	4527.8	4516.1	4453.9	4389.7	4352.7	4298.2	4222.3
15°	4387.7	4446.1	4500.6	4483.1	4415.0	4350.8	4302.1	4226.2	4152.3	4101.7	4068.6
17.5°	4407.2	4463.6	4444.1	4352.7	4288.5	4214.5	4115.3	4056.9	4008.3	3969.4	3949.9
20°	4418.9	4409.1	4304.1	4237.9	4113.4	4045.3	3981.1	3926.6	3889.6	3870.1	3866.3
22.5°	4387.7	4269.0	4179.5	4060.8	3969.4	3913.0	3862.4	3817.6	3792.3	3776.7	3767.0
25°	4284.6	4146.4	4014.1	3920.7	3842.9	3794.3	3755.3	3718.4	3687.2	3679.5	3660.0
27.5°	4140.6	4027.8	3852.6	3780.6	3712.5	3689.2	3646.4	3609.4	3582.2	3558.8	3496.6
30°	4021.9	3842.9	3716.4	3650.3	3609.4	3582.2	3533.5	3494.6	3447.9	3362.3	3327.3
32.5°	3876.0	3698.9	3578.3	3541.3	3490.7	3467.4	3412.9	3327.3	3255.3	3220.3	3218.3
35°	3687.2	3541.3	3453.7	3420.7	3379.8	3340.9	3228.0	3150.2	3115.2	3119.1	3148.3
37.5°	3529.6	3399.3	3342.8	3296.1	3249.4	3150.2	3054.9	3017.9	3027.6	3047.1	3060.7
40°	3370.1	3270.8	3206.6	3169.7	3064.6	2967.3	2916.7	2930.3	2947.8	2961.5	2979.0
42.5°	3214.4	3144.4	3080.2	3008.2	2864.2	2811.6	2823.3	2840.8	2856.4	2875.9	2893.4
45°	3066.5	3004.3	2930.3	2766.9	2694.9	2708.5	2726.0	2739.7	2763.0	2776.6	2794.1
47.5°	2926.4	2860.3	2729.9	2585.9	2578.2	2605.4	2621.0	2638.5	2656.0	2621.0	1445.7
50°	2768.8	2700.7	2502.3	2447.8	2465.3	2490.6	2510.0	2527.6	2251.3	895.1	688.8
52.5°	2613.2	2440.0	2313.5	2329.1	2346.6	2375.8	2389.4	1774.5	706.3	673.2	675.2
55°	2440.0	2218.2	2181.2	2200.7	2216.2	2245.4	1488.5	651.8	647.9	646.0	661.6
57.5°	2167.6	2033.3	2048.9	2068.4	2083.9	1471.0	634.3	630.4	632.4	634.3	636.3
60°	1924.4	1895.2	1912.7	1930.2	1365.9	612.9	601.2	603.2	611.0	605.1	589.6
62.5°	1731.7	1755.1	1772.6	1552.7	581.8	575.9	581.8	575.9	562.3	552.6	533.1
65°	1583.9	1607.2	1620.8	546.8	544.8	552.6	546.8	527.3	505.9	478.7	472.8
67.5°	1428.2	1451.5	519.5	505.9	513.7	504.0	480.6	457.3	441.7	418.3	408.6
70°	1266.7	542.9	470.9	468.9	455.3	439.7	414.4	391.1	371.6	361.9	352.2
72.5°	914.5	430.0	424.2	408.6	385.3	363.9	342.5	328.8	319.1	313.3	307.4
75°	381.4	373.6	356.1	328.8	305.5	295.8	280.2	270.5	266.6	254.9	251.0
77.5°	319.1	303.5	278.2	258.8	245.2	239.3	227.7	216.0	210.1	208.2	200.4
80°	245.2	223.8	212.1	202.4	198.5	184.8	171.2	165.4	161.5	159.6	153.7
82.5°	167.3	159.6	151.8	138.1	138.1	132.3	126.5	122.6	118.7	118.7	114.8
85°	109.0	103.1	101.2	95.3	95.3	91.5	89.5	87.6	85.6	83.7	81.7
87.5°	62.3	62.3	64.2	62.3	62.3	60.3	58.4	56.4	54.5	54.5	50.6
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4253.5	4272.9	4276.8	4343.0	4379.9	4378.0	4366.3	4401.3	4379.9	4368.3	4379.9
5°	4479.2	4502.5	4522.0	4594.0	4619.3	4630.9	4629.0	4648.5	4632.9	4619.3	4619.3
7.5°	4590.1	4597.9	4605.6	4588.1	4576.5	4557.0	4527.8	4485.0	4463.6	4440.3	4411.1
10°	4407.2	4381.9	4391.6	4356.6	4327.4	4306.0	4278.8	4243.7	4214.5	4193.1	4160.1
12.5°	4183.4	4181.5	4185.4	4191.2	4162.0	4144.5	4123.1	4097.8	4076.4	4053.0	4025.8
15°	4047.2	4049.2	4064.7	4058.9	4049.2	4039.4	4016.1	4008.3	3988.8	3963.5	3948.0
17.5°	3949.9	3959.7	3975.2	3967.4	3951.9	3942.1	3924.6	3907.1	3889.6	3870.1	3846.8
20°	3864.3	3874.0	3883.8	3874.0	3844.9	3831.2	3807.9	3753.4	3714.5	3675.6	3640.5
22.5°	3770.9	3776.7	3769.0	3737.8	3663.9	3628.9	3601.6	3586.1	3553.0	3531.6	3510.2
25°	3654.2	3621.1	3570.5	3535.5	3506.3	3490.7	3479.0	3477.1	3473.2	3469.3	3459.6
27.5°	3463.5	3451.8	3424.6	3410.9	3412.9	3418.7	3420.7	3426.5	3420.7	3412.9	3405.1
30°	3321.4	3327.3	3329.2	3333.1	3342.8	3348.7	3350.6	3358.4	3354.5	3348.7	3344.8
32.5°	3231.9	3245.6	3253.3	3265.0	3270.8	3280.6	3280.6	3292.3	3280.6	3278.6	3274.7
35°	3158.0	3169.7	3173.6	3191.1	3196.9	3206.6	3206.6	3216.4	3206.6	3107.4	2453.6
37.5°	3084.1	3095.7	3103.5	3119.1	3121.0	3126.9	2885.6	2111.2	1362.0	1054.6	805.6
40°	2996.5	3010.1	3017.9	3023.7	2124.8	1348.4	928.1	755.0	755.0	760.8	766.6
42.5°	2903.1	2912.8	2029.4	1181.1	735.5	733.6	739.4	745.2	751.1	758.9	766.6
45°	2282.4	1151.9	731.6	714.1	719.9	727.7	735.5	743.3	753.0	760.8	764.7
47.5°	749.1	702.4	712.2	704.4	714.1	723.8	731.6	739.4	741.3	743.3	741.3
50°	692.7	692.7	698.5	698.5	706.3	710.2	710.2	710.2	702.4	700.5	694.6
52.5°	669.3	684.9	677.1	681.0	677.1	671.3	665.5	659.6	647.9	644.1	636.3
55°	657.7	663.5	644.1	638.2	630.4	614.9	607.1	599.3	589.6	585.7	575.9
57.5°	630.4	616.8	595.4	585.7	572.1	556.5	548.7	542.9	533.1	529.3	523.4
60°	579.8	552.6	539.0	527.3	511.7	498.1	492.3	488.4	480.6	478.7	472.8
62.5°	517.6	494.2	482.6	467.0	455.3	447.5	441.7	439.7	432.0	432.0	428.1
65°	449.5	437.8	428.1	412.5	406.7	398.9	396.9	395.0	391.1	389.2	385.3
67.5°	395.0	387.2	373.6	365.8	361.9	356.1	352.2	348.3	340.5	336.6	330.8
70°	346.3	340.5	326.9	321.1	313.3	303.5	297.7	293.8	288.0	284.1	278.2
72.5°	299.6	282.1	272.4	266.6	260.7	251.0	249.1	245.2	239.3	237.4	231.5
75°	241.3	227.7	221.8	217.9	212.1	206.3	206.3	206.3	200.4	198.5	196.5
77.5°	192.6	184.8	181.0	177.1	175.1	171.2	165.4	163.4	157.6	157.6	155.7
80°	147.9	144.0	140.1	138.1	136.2	132.3	128.4	126.5	120.6	120.6	118.7
82.5°	109.0	107.0	105.1	103.1	101.2	99.2	93.4	91.5	87.6	87.6	85.6
85°	77.8	75.9	72.0	70.0	70.0	68.1	62.3	60.3	56.4	56.4	56.4
87.5°	48.6	46.7	44.8	42.8	40.9	38.9	35.0	33.1	33.1	29.2	27.2
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4356.6	4389.7	4385.8	4409.1	4415.0	4426.6	4430.5	4432.5	4403.3	4426.6	4428.6
5°	4613.4	4619.3	4623.2	4632.9	4642.6	4644.6	4634.8	4623.2	4627.1	4619.3	4599.8
7.5°	4407.2	4378.0	4372.2	4364.4	4360.5	4356.6	4339.1	4354.6	4337.1	4329.3	4302.1
10°	4154.2	4127.0	4125.0	4125.0	4130.9	4128.9	4125.0	4117.3	4132.8	4123.1	4117.3
12.5°	4021.9	4012.2	4018.0	4014.1	4029.7	4033.6	4029.7	4029.7	4025.8	4018.0	4021.9
15°	3942.1	3934.4	3940.2	3934.4	3946.0	3948.0	3938.2	3944.1	3934.4	3924.6	3920.7
17.5°	3837.1	3819.6	3805.9	3786.5	3788.4	3784.5	3772.9	3772.9	3763.1	3737.8	3739.8
20°	3634.7	3617.2	3609.4	3609.4	3619.1	3623.0	3621.1	3625.0	3615.2	3611.4	3595.8
22.5°	3508.2	3506.3	3510.2	3519.9	3535.5	3556.9	3558.8	3558.8	3558.8	3556.9	3537.4
25°	3463.5	3463.5	3467.4	3481.0	3492.7	3508.2	3512.1	3516.0	3512.1	3512.1	3494.6
27.5°	3412.9	3409.0	3416.8	3430.4	3444.0	3455.7	3465.4	3467.4	3461.5	3461.5	3467.4
30°	3350.6	3348.7	3358.4	3372.0	3383.7	3395.4	3405.1	3412.9	3405.1	3405.1	3399.3
32.5°	3286.4	3286.4	3290.3	3208.6	2975.1	2679.3	2685.2	2513.9	2395.2	2245.4	2443.9
35°	2050.8	1492.4	1282.3	1085.7	947.6	858.1	856.1	827.0	813.3	803.6	801.7
37.5°	774.4	778.3	786.1	790.0	795.8	799.7	801.7	801.7	801.7	801.7	799.7
40°	772.5	780.3	786.1	791.9	797.8	801.7	801.7	803.6	805.6	805.6	805.6
42.5°	774.4	782.2	790.0	795.8	799.7	801.7	803.6	805.6	805.6	805.6	805.6
45°	772.5	776.4	776.4	778.3	778.3	778.3	780.3	780.3	778.3	776.4	780.3
47.5°	743.3	743.3	737.4	735.5	733.6	729.7	731.6	729.7	727.7	725.8	729.7
50°	692.7	684.9	681.0	677.1	675.2	671.3	673.2	671.3	669.3	665.5	671.3
52.5°	632.4	630.4	622.6	618.8	616.8	618.8	614.9	612.9	611.0	609.0	611.0
55°	574.0	566.2	564.3	560.4	558.4	560.4	558.4	556.5	554.5	552.6	554.5
57.5°	521.5	515.6	513.7	509.8	509.8	509.8	509.8	507.8	505.9	504.0	505.9
60°	470.9	467.0	465.0	465.0	463.1	463.1	463.1	461.1	459.2	459.2	461.1
62.5°	428.1	428.1	422.2	420.3	420.3	422.2	420.3	418.3	416.4	414.4	418.3
65°	383.3	375.5	373.6	369.7	365.8	367.8	365.8	363.9	361.9	360.0	363.9
67.5°	328.8	326.9	319.1	315.2	313.3	315.2	313.3	311.3	309.4	307.4	311.3
70°	276.3	276.3	268.5	266.6	264.6	264.6	262.7	262.7	260.7	258.8	262.7
72.5°	229.6	229.6	227.7	223.8	221.8	219.9	217.9	216.0	216.0	217.9	217.9
75°	190.7	186.8	179.0	181.0	179.0	177.1	177.1	175.1	173.2	177.1	175.1
77.5°	149.8	147.9	142.0	144.0	142.0	140.1	140.1	138.1	136.2	138.1	138.1
80°	112.9	112.9	110.9	109.0	109.0	107.0	105.1	105.1	103.1	105.1	105.1
82.5°	81.7	81.7	79.8	77.8	75.9	75.9	73.9	73.9	73.9	73.9	73.9
85°	52.5	50.6	50.6	46.7	46.7	46.7	44.8	44.8	44.8	44.8	44.8
87.5°	25.3	25.3	23.3	23.3	21.4	19.5	19.5	17.5	17.5	19.5	19.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4393.6	4418.9	4397.5	4407.2	4409.1	4442.2	4440.3	4448.0	4434.4	4418.9	4397.5
5°	4617.3	4605.6	4590.1	4627.1	4607.6	4630.9	4638.7	4654.3	4654.3	4652.3	4634.8
7.5°	4331.3	4306.0	4325.5	4339.1	4344.9	4329.3	4360.5	4395.5	4424.7	4442.2	4444.1
10°	4107.5	4115.3	4113.4	4119.2	4132.8	4130.9	4150.3	4169.8	4177.6	4189.3	4193.1
12.5°	4002.5	4000.5	4004.4	4018.0	4025.8	4023.9	4043.3	4055.0	4058.9	4060.8	4058.9
15°	3918.8	3905.2	3914.9	3916.8	3922.7	3922.7	3946.0	3963.5	3971.3	3975.2	3971.3
17.5°	3761.2	3728.1	3759.2	3759.2	3780.6	3776.7	3813.7	3842.9	3858.5	3870.1	3870.1
20°	3605.5	3590.0	3601.6	3597.7	3613.3	3611.4	3634.7	3654.2	3667.8	3677.5	3689.2
22.5°	3543.3	3547.1	3529.6	3531.6	3531.6	3529.6	3541.3	3551.0	3554.9	3560.8	3556.9
25°	3502.4	3506.3	3500.4	3490.7	3486.8	3490.7	3496.6	3508.2	3510.2	3506.3	3492.7
27.5°	3461.5	3449.9	3459.6	3442.1	3438.2	3446.0	3453.7	3455.7	3457.6	3457.6	3446.0
30°	3399.3	3389.5	3399.3	3391.5	3383.7	3391.5	3397.3	3397.3	3401.2	3403.2	3389.5
32.5°	2375.8	2395.2	2710.5	2901.1	3169.7	3305.9	3331.2	3331.2	3335.1	3335.1	3323.4
35°	809.4	811.4	877.5	951.5	1109.1	1303.7	1558.6	1690.9	2138.4	2673.5	3191.1
37.5°	799.7	797.8	795.8	793.9	791.9	790.0	786.1	784.1	795.8	943.7	1280.3
40°	803.6	801.7	797.8	795.8	793.9	790.0	788.0	784.1	780.3	776.4	772.5
42.5°	803.6	801.7	799.7	797.8	795.8	793.9	790.0	786.1	782.2	776.4	770.5
45°	776.4	776.4	778.3	778.3	780.3	780.3	780.3	778.3	778.3	776.4	768.6
47.5°	725.8	725.8	731.6	731.6	735.5	739.4	739.4	743.3	749.1	753.0	755.0
50°	667.4	667.4	673.2	675.2	679.1	684.9	690.7	692.7	698.5	706.3	714.1
52.5°	609.0	609.0	614.9	614.9	618.8	624.6	630.4	632.4	640.2	647.9	657.7
55°	554.5	554.5	558.4	560.4	562.3	566.2	572.1	572.1	579.8	585.7	595.4
57.5°	505.9	509.8	509.8	509.8	511.7	515.6	519.5	519.5	525.4	531.2	539.0
60°	459.2	463.1	463.1	463.1	465.0	467.0	470.9	470.9	474.8	478.7	486.4
62.5°	416.4	420.3	420.3	422.2	422.2	424.2	428.1	426.1	430.0	432.0	437.8
65°	361.9	365.8	367.8	369.7	371.6	375.5	381.4	379.4	385.3	389.2	395.0
67.5°	309.4	313.3	313.3	315.2	317.2	321.1	324.9	324.9	330.8	334.7	342.5
70°	260.7	264.6	264.6	266.6	268.5	272.4	276.3	274.4	280.2	284.1	289.9
72.5°	216.0	219.9	219.9	221.8	221.8	225.7	229.6	233.5	233.5	237.4	241.3
75°	175.1	177.1	179.0	179.0	181.0	182.9	186.8	190.7	192.6	194.6	198.5
77.5°	138.1	140.1	142.0	142.0	144.0	145.9	147.9	155.7	159.6	161.5	161.5
80°	105.1	107.0	107.0	107.0	109.0	110.9	114.8	114.8	122.6	122.6	124.5
82.5°	73.9	75.9	75.9	75.9	77.8	81.7	83.7	85.6	89.5	91.5	91.5
85°	44.8	46.7	46.7	46.7	48.6	50.6	54.5	56.4	58.4	58.4	60.3
87.5°	17.5	19.5	21.4	21.4	23.3	25.3	27.2	29.2	31.1	31.1	33.1
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4374.1	4387.7	4374.1	4381.9	4391.6	4374.1	4333.2	4317.7	4311.8	4288.5	4272.9
5°	4617.3	4617.3	4611.5	4627.1	4625.1	4597.9	4555.1	4535.6	4516.1	4490.8	4471.4
7.5°	4444.1	4459.7	4469.4	4529.8	4568.7	4572.6	4599.8	4605.6	4613.4	4605.6	4594.0
10°	4195.1	4189.3	4216.5	4272.9	4306.0	4323.5	4376.0	4401.3	4422.7	4465.6	4510.3
12.5°	4055.0	4062.8	4074.5	4115.3	4146.4	4138.7	4160.1	4177.6	4202.9	4245.7	4309.9
15°	3961.6	3969.4	3981.1	4012.2	4031.6	4021.9	4033.6	4045.3	4062.8	4084.2	4123.1
17.5°	3860.4	3874.0	3887.7	3920.7	3938.2	3936.3	3946.0	3949.9	3955.8	3969.4	3996.6
20°	3702.8	3745.6	3772.9	3817.6	3842.9	3839.0	3856.5	3862.4	3870.1	3883.8	3895.4
22.5°	3558.8	3570.5	3584.1	3632.8	3675.6	3728.1	3739.8	3755.3	3774.8	3788.4	3800.1
25°	3477.1	3469.3	3475.2	3508.2	3531.6	3535.5	3553.0	3603.6	3656.1	3679.5	3706.7
27.5°	3428.5	3420.7	3418.7	3434.3	3438.2	3428.5	3424.6	3440.1	3479.0	3518.0	3599.7
30°	3375.9	3366.2	3358.4	3372.0	3377.9	3364.2	3338.9	3325.3	3348.7	3358.4	3391.5
32.5°	3313.7	3303.9	3300.0	3307.8	3311.7	3300.0	3272.8	3257.2	3253.3	3245.6	3253.3
35°	3243.6	3233.9	3228.0	3230.0	3237.8	3228.0	3204.7	3185.2	3175.5	3154.1	3138.5
37.5°	1671.4	2368.0	3074.3	3148.3	3156.0	3154.1	3130.8	3109.3	3099.6	3074.3	3066.5
40°	764.7	854.2	1282.3	1675.3	2416.7	3070.4	3049.0	3027.6	3010.1	3002.3	2973.1
42.5°	762.7	764.7	766.6	756.9	937.9	1597.5	2358.3	2944.0	2932.3	2912.8	2891.4
45°	762.7	753.0	760.8	749.1	753.0	751.1	935.9	1509.9	2687.1	2807.8	2798.0
47.5°	755.0	749.1	756.9	747.2	735.5	741.3	733.6	743.3	1159.7	1967.2	2694.9
50°	719.9	723.8	737.4	735.5	725.8	733.6	719.9	731.6	721.9	791.9	1525.5
52.5°	667.4	675.2	688.8	700.5	704.4	714.1	710.2	714.1	706.3	708.3	710.2
55°	605.1	614.9	626.5	644.1	651.8	667.4	679.1	684.9	694.6	692.7	677.1
57.5°	546.8	556.5	566.2	583.7	601.2	609.0	630.4	642.1	667.4	661.6	657.7
60°	492.3	500.1	509.8	513.7	535.1	548.7	568.2	579.8	612.9	620.7	632.4
62.5°	443.6	447.5	455.3	461.1	474.8	488.4	498.1	517.6	535.1	560.4	577.9
65°	398.9	402.8	408.6	412.5	414.4	433.9	439.7	461.1	467.0	494.2	509.8
67.5°	348.3	356.1	363.9	367.8	371.6	383.3	387.2	396.9	410.6	422.2	441.7
70°	295.8	301.6	309.4	315.2	323.0	330.8	342.5	348.3	358.0	365.8	381.4
72.5°	247.1	253.0	256.8	262.7	268.5	274.4	284.1	297.7	305.5	319.1	323.0
75°	200.4	206.3	210.1	214.0	219.9	223.8	227.7	241.3	249.1	260.7	272.4
77.5°	165.4	165.4	169.3	181.0	179.0	179.0	182.9	190.7	196.5	204.3	216.0
80°	128.4	130.4	132.3	142.0	144.0	145.9	144.0	149.8	155.7	157.6	165.4
82.5°	95.3	97.3	97.3	103.1	109.0	109.0	109.0	110.9	116.7	118.7	122.6
85°	64.2	66.2	68.1	70.0	73.9	75.9	77.8	77.8	81.7	83.7	85.6
87.5°	35.0	38.9	40.9	42.8	44.8	46.7	48.6	50.6	52.5	54.5	56.4
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7	4245.7
2.5°	4267.1	4257.4	4251.5	4236.0	4232.1	4206.8	4210.7	4206.8	4206.8	4212.6	4232.1
5°	4450.0	4403.3	4391.6	4358.5	4331.3	4284.6	4255.4	4239.8	4216.5	4206.8	4220.4
7.5°	4574.5	4539.5	4510.3	4481.1	4442.2	4387.7	4346.9	4300.2	4261.2	4224.3	4214.5
10°	4553.1	4592.0	4592.0	4574.5	4537.5	4483.1	4434.4	4376.0	4307.9	4249.6	4214.5
12.5°	4372.2	4440.3	4494.7	4535.6	4572.6	4535.6	4487.0	4440.3	4364.4	4278.8	4214.5
15°	4173.7	4243.7	4311.8	4397.5	4487.0	4523.9	4522.0	4467.5	4399.4	4309.9	4220.4
17.5°	4033.6	4082.2	4119.2	4212.6	4321.6	4416.9	4481.1	4485.0	4418.9	4339.1	4222.3
20°	3928.5	3963.5	3994.7	4047.2	4142.6	4259.3	4378.0	4444.1	4432.5	4344.9	4228.2
22.5°	3833.2	3858.5	3883.8	3922.7	3998.6	4074.5	4212.6	4348.8	4407.2	4335.2	4222.3
25°	3737.8	3765.1	3784.5	3811.8	3872.1	3934.4	4031.6	4200.9	4331.3	4327.4	4210.7
27.5°	3625.0	3661.9	3685.3	3722.3	3763.1	3809.8	3876.0	4035.5	4222.3	4288.5	4179.5
30°	3488.8	3543.3	3578.3	3619.1	3654.2	3695.0	3747.6	3844.9	4076.4	4212.6	4146.4
32.5°	3292.3	3389.5	3467.4	3506.3	3545.2	3580.2	3626.9	3708.6	3897.4	4109.5	4109.5
35°	3152.2	3196.9	3267.0	3379.8	3428.5	3463.5	3506.3	3570.5	3691.1	3986.9	4049.2
37.5°	3043.2	3060.7	3095.7	3206.6	3298.1	3354.5	3397.3	3438.2	3556.9	3819.6	3971.3
40°	2961.5	2955.6	2951.7	3004.3	3134.6	3224.1	3272.8	3313.7	3405.1	3619.1	3868.2
42.5°	2866.1	2860.3	2840.8	2854.5	2918.7	3068.5	3142.4	3187.2	3263.1	3409.0	3755.3
45°	2766.9	2757.2	2749.4	2735.8	2759.1	2842.8	2994.5	3060.7	3103.5	3233.9	3613.3
47.5°	2665.7	2652.1	2642.4	2630.7	2617.1	2656.0	2800.0	2918.7	2992.6	3074.3	3442.1
50°	2521.7	2539.2	2527.6	2513.9	2502.3	2494.5	2554.8	2749.4	2840.8	2907.0	3233.9
52.5°	1188.9	2311.6	2408.9	2395.2	2379.7	2366.1	2379.7	2527.6	2693.0	2745.5	2982.9
55°	677.1	1029.3	2142.3	2264.9	2251.3	2231.8	2220.1	2270.7	2517.8	2587.9	2753.3
57.5°	651.8	653.8	945.6	2041.1	2117.0	2099.5	2085.9	2097.5	2307.7	2426.4	2552.9
60°	630.4	630.4	630.4	902.8	1951.6	1957.4	1939.9	1920.5	2011.9	2245.4	2350.5
62.5°	583.7	595.4	601.2	601.2	891.2	1807.6	1790.1	1784.3	1788.2	2027.5	2148.1
65°	523.4	550.7	562.3	570.1	570.1	935.9	1636.4	1626.7	1613.0	1704.5	1943.8
67.5°	457.3	484.5	509.8	525.4	527.3	544.8	976.8	1465.2	1445.7	1447.7	1725.9
70°	389.2	412.5	439.7	463.1	484.5	494.2	509.8	1216.1	1280.3	1253.1	1478.8
72.5°	336.6	346.3	365.8	389.2	414.4	437.8	451.4	484.5	1111.0	1081.9	1124.7
75°	280.2	288.0	301.6	317.2	336.6	363.9	387.2	410.6	589.6	906.7	900.9
77.5°	217.9	231.5	247.1	256.8	266.6	286.0	317.2	340.5	363.9	612.9	721.9
80°	167.3	177.1	184.8	194.6	206.3	219.9	231.5	258.8	286.0	307.4	552.6
82.5°	124.5	130.4	136.2	140.1	144.0	151.8	173.2	182.9	200.4	219.9	260.7
85°	87.6	91.5	95.3	97.3	99.2	101.2	109.0	110.9	128.4	132.3	157.6
87.5°	56.4	58.4	62.3	64.2	64.2	66.2	68.1	68.1	68.1	64.2	77.8
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-LD5-101SL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	4245.7	4245.7
2.5°	4247.6	4278.8
5°	4241.8	4282.6
7.5°	4226.2	4265.1
10°	4202.9	4249.6
12.5°	4177.6	4222.3
15°	4156.2	4189.3
17.5°	4132.8	4152.3
20°	4101.7	4117.3
22.5°	4070.6	4062.8
25°	4035.5	4018.0
27.5°	3990.8	3957.7
30°	3949.9	3891.5
32.5°	3911.0	3815.7
35°	3858.5	3737.8
37.5°	3804.0	3658.1
40°	3739.8	3566.6
42.5°	3671.7	3475.2
45°	3586.1	3387.6
47.5°	3510.2	3282.5
50°	3405.1	3169.7
52.5°	3276.7	3064.6
55°	3124.9	2936.2
57.5°	2961.5	2801.9
60°	2786.3	2648.2
62.5°	2574.3	2488.6
65°	2325.2	2305.7
67.5°	2000.3	2103.4
70°	1640.3	1871.8
72.5°	1371.8	1626.7
75°	1124.7	1352.3
77.5°	891.2	1060.4
80°	556.5	776.4
82.5°	373.6	509.8
85°	225.7	243.2
87.5°	87.6	89.5
90°	0.0	0.0

(END OF REPORT)