

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-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-101SL-RW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

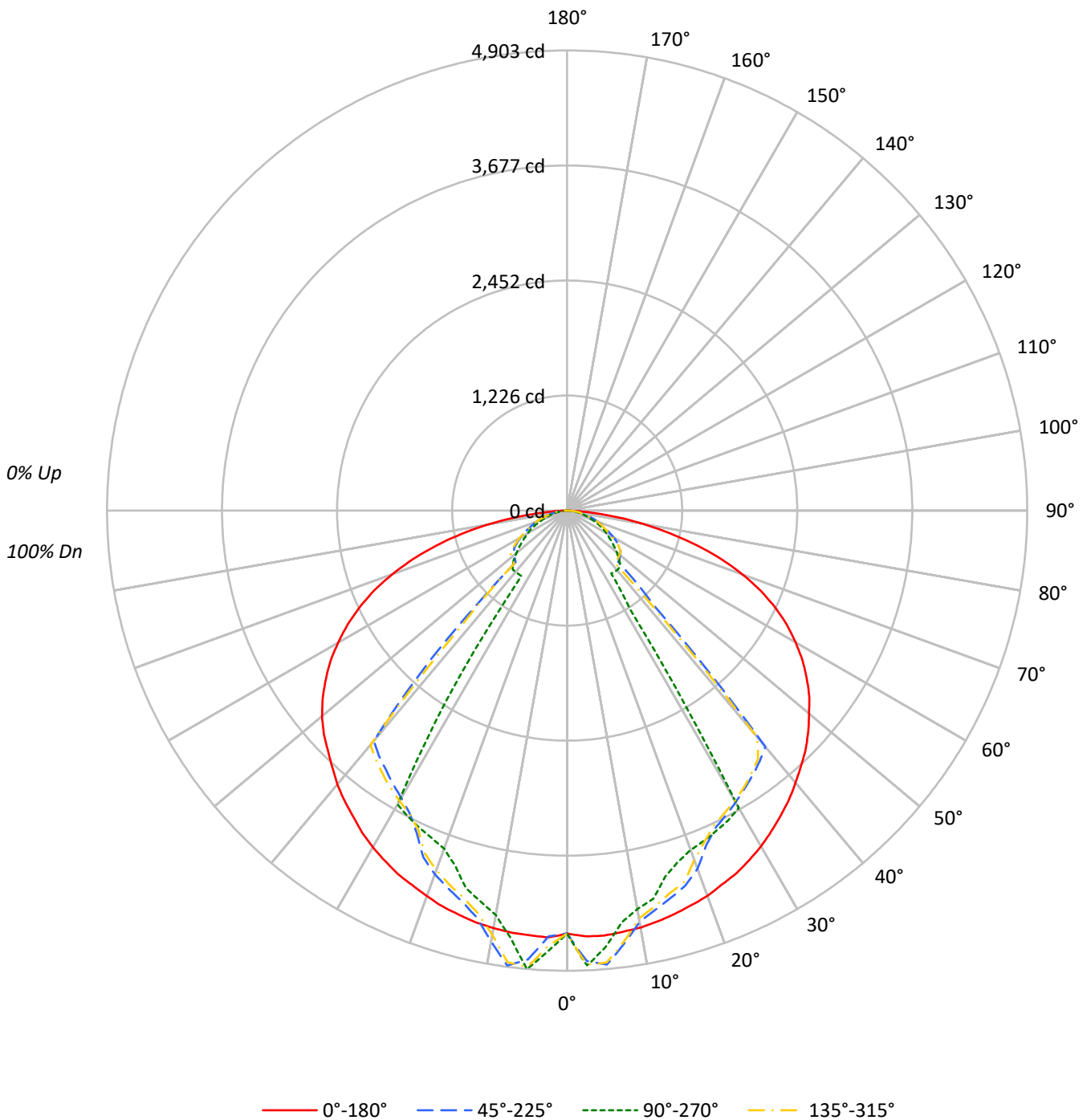
Lumens per Lamp: N/A
Luminaire Lumens: 9024.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



TEST NUMBER: P#
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	18208	18208	18208	18208
5°	18412	18345	18403	19254
10°	18455	16586	18480	16840
15°	18522	15346	18565	15832
20°	18684	14555	18684	14501
25°	18875	14277	18903	14144
30°	19099	14025	19147	13859
35°	19357	3194	19398	3331
40°	19709	3322	19827	3429
45°	20230	3303	20299	3423
50°	20761	2987	21041	3067
55°	21474	2652	21645	2690
60°	22116	2356	22164	2387
65°	22639	2057	22582	2024
70°	22505	1657	22435	1598
75°	21172	1276	21326	1222
80°	17612	906	18320	829
85°	10156	543	10723	416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.4	4.9
10°-20°	1219.0	13.5
20°-30°	1805.7	20.0
30°-40°	1819.3	20.2
40°-50°	1421.2	15.7
50°-60°	1097.8	12.2
60°-70°	737.0	8.2
70°-80°	376.0	4.2
80°-90°	104.6	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°	3468.1	38.4
0°-40°	5287.4	58.6
0°-60°	7806.4	86.5
0°-90°	9024.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9024.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4506	4506	4506	4506	4506	
5°	4546	4672	4544	4903	4546	432
15°	4446	4038	4457	4166	4446	1258
25°	4265	3763	4271	3728	4265	1967
35°	3967	818	3976	853	3967	2486
45°	3596	795	3608	824	3596	2773
55°	3116	578	3141	586	3116	2783
65°	2447	388	2441	382	2447	2407
75°	1435	196	1446	188	1435	1501
85°	258	62	273	48	258	355
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°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4541.5	4558.0	4570.4	4578.6	4582.8	4582.8	4584.8	4586.9	4613.7	4626.1	4634.4
5°	4545.6	4562.1	4586.9	4619.9	4648.9	4673.6	4694.3	4723.2	4752.1	4783.1	4793.4
7.5°	4527.0	4547.7	4597.2	4657.1	4712.9	4752.1	4779.0	4797.6	4812.0	4814.1	4824.4
10°	4510.5	4547.7	4615.8	4694.3	4764.5	4812.0	4812.0	4801.7	4816.1	4760.4	4704.6
12.5°	4481.6	4522.9	4615.8	4719.1	4785.2	4803.7	4795.5	4754.2	4669.5	4601.4	4570.4
15°	4446.5	4502.2	4617.9	4733.5	4789.3	4795.5	4717.0	4611.7	4547.7	4506.4	4454.7
17.5°	4407.2	4481.6	4619.9	4735.6	4756.2	4727.3	4578.6	4512.5	4446.5	4349.4	4279.2
20°	4370.0	4442.3	4603.4	4706.7	4719.1	4589.0	4473.3	4403.1	4291.6	4206.9	4175.9
22.5°	4312.2	4396.9	4589.0	4667.4	4619.9	4469.2	4357.7	4246.1	4144.9	4120.2	4083.0
25°	4264.7	4353.5	4555.9	4619.9	4494.0	4359.7	4229.6	4099.5	4052.0	4016.9	3983.8
27.5°	4200.7	4310.2	4512.5	4533.2	4359.7	4242.0	4052.0	3994.2	3950.8	3911.6	3897.1
30°	4130.5	4264.7	4452.7	4413.4	4248.2	4074.7	3934.3	3880.6	3849.6	3808.3	3791.8
32.5°	4049.9	4196.6	4386.6	4275.0	4128.4	3911.6	3820.7	3779.4	3738.1	3707.1	3603.8
35°	3967.3	4136.7	4308.1	4142.9	3983.8	3787.6	3707.1	3669.9	3630.7	3517.1	3409.7
37.5°	3882.7	4070.6	4213.1	4000.4	3791.8	3659.6	3591.5	3550.1	3461.3	3316.8	3263.1
40°	3785.6	3990.0	4091.2	3853.7	3624.5	3529.5	3465.5	3424.2	3223.8	3159.8	3143.3
42.5°	3688.5	3911.6	3942.5	3711.2	3486.1	3391.1	3337.4	3201.1	3064.8	3031.8	3038.0
45°	3595.6	3826.9	3779.4	3508.8	3341.6	3263.1	3172.2	2984.3	2912.0	2928.5	2932.6
47.5°	3484.1	3725.7	3608.0	3306.4	3192.9	3114.4	2912.0	2798.4	2788.1	2810.8	2823.2
50°	3364.3	3612.1	3426.2	3122.6	3031.8	2938.8	2709.6	2651.8	2664.2	2686.9	2701.3
52.5°	3252.8	3484.1	3238.3	2951.2	2872.7	2660.0	2505.1	2515.5	2536.1	2563.0	2571.2
55°	3116.4	3329.2	3038.0	2777.7	2703.4	2424.6	2354.4	2379.2	2399.8	2422.5	2439.0
57.5°	2973.9	3151.6	2800.5	2583.6	2463.8	2216.0	2222.2	2238.7	2253.2	2280.0	941.7
60°	2810.8	2949.2	2540.2	2403.9	2166.4	2050.8	2057.0	2085.9	2100.3	1173.1	648.5
62.5°	2641.4	2713.7	2304.8	2199.5	1893.8	1885.6	1914.5	1926.9	1311.4	619.6	607.2
65°	2447.3	2432.9	2073.5	1906.2	1708.0	1716.2	1747.2	1685.2	580.3	580.3	576.2
67.5°	2232.5	2145.8	1848.4	1577.8	1528.3	1546.9	1579.9	551.4	537.0	541.1	526.6
70°	1986.8	1864.9	1615.0	1336.2	1352.7	1371.3	532.8	499.8	493.6	483.3	454.4
72.5°	1726.5	1559.3	1321.8	1160.7	1171.0	735.2	466.7	450.2	429.6	408.9	377.9
75°	1435.3	1218.5	970.7	970.7	985.1	419.2	406.9	380.0	357.3	330.4	311.9
77.5°	1125.6	937.6	753.8	782.7	382.1	351.1	328.4	299.5	280.9	264.4	254.0
80°	824.0	654.7	567.9	508.0	297.4	266.4	243.7	227.2	218.9	208.6	196.2
82.5°	541.1	394.5	394.5	239.6	208.6	183.8	177.6	165.2	157.0	150.8	144.6
85°	258.2	229.2	173.5	146.6	130.1	117.7	113.6	107.4	107.4	105.3	103.3
87.5°	95.0	103.3	76.4	74.3	70.2	68.2	70.2	70.2	72.3	70.2	68.2
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°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4655.1	4671.6	4684.0	4704.6	4731.5	4754.2	4774.8	4803.7	4849.2	4861.6	4871.9
5°	4793.4	4799.6	4814.1	4830.6	4834.7	4845.1	4843.0	4855.4	4861.6	4876.0	4845.1
7.5°	4801.7	4768.6	4729.4	4694.3	4669.5	4646.8	4632.3	4655.1	4667.4	4677.8	4646.8
10°	4628.2	4589.0	4566.2	4545.6	4520.8	4485.7	4438.2	4448.5	4444.4	4444.4	4434.1
12.5°	4518.7	4463.0	4405.2	4353.5	4330.8	4328.7	4330.8	4353.5	4353.5	4351.5	4339.1
15°	4347.3	4293.6	4264.7	4252.3	4252.3	4246.1	4246.1	4270.9	4264.7	4264.7	4258.5
17.5°	4233.7	4196.6	4175.9	4161.5	4155.3	4165.6	4178.0	4188.3	4190.4	4182.1	4149.1
20°	4140.8	4105.7	4080.9	4085.0	4083.0	4089.2	4095.4	4060.3	4016.9	3959.1	3932.2
22.5°	4043.7	4016.9	3998.3	3998.3	3973.5	3934.3	3876.5	3864.1	3857.9	3831.0	3808.3
25°	3950.8	3919.8	3893.0	3810.4	3758.7	3764.9	3754.6	3734.0	3731.9	3729.8	3738.1
27.5°	3857.9	3777.3	3674.1	3661.7	3641.0	3639.0	3651.3	3661.7	3661.7	3669.9	3680.3
30°	3665.8	3572.9	3554.3	3531.6	3539.8	3568.7	3574.9	3589.4	3593.5	3608.0	3616.2
32.5°	3490.3	3449.0	3432.4	3442.8	3469.6	3494.4	3508.8	3515.0	3525.4	3537.8	3548.1
35°	3347.8	3335.4	3349.8	3372.5	3399.4	3420.0	3432.4	3444.8	3455.1	3465.5	3473.7
37.5°	3242.4	3250.7	3271.3	3300.3	3327.1	3343.6	3353.9	3368.4	3382.9	3395.3	3345.7
40°	3143.3	3163.9	3186.7	3217.6	3240.4	3256.9	3267.2	3285.8	3161.9	1431.2	784.8
42.5°	3056.6	3079.3	3095.8	3120.6	3145.4	3157.8	3066.9	1369.3	774.5	770.3	780.7
45°	2951.2	2969.8	2996.7	3015.3	3038.0	1995.0	762.1	770.3	757.9	766.2	770.3
47.5°	2843.8	2872.7	2887.2	2755.0	819.9	757.9	749.7	757.9	749.7	760.0	753.8
50°	2722.0	2757.1	1962.0	741.4	735.2	731.1	739.4	735.2	741.4	749.7	733.2
52.5°	2598.1	1608.8	718.7	714.6	718.7	714.6	729.0	718.7	720.8	712.5	691.9
55°	879.8	696.0	689.8	687.7	700.1	700.1	700.1	683.6	673.3	652.6	638.2
57.5°	673.3	673.3	671.2	673.3	669.1	665.0	646.4	632.0	617.5	588.6	580.3
60°	638.2	638.2	638.2	638.2	619.6	611.3	582.4	570.0	545.2	530.8	522.5
62.5°	609.2	605.1	586.5	580.3	559.7	537.0	520.4	508.0	483.3	475.0	468.8
65°	567.9	553.5	530.8	506.0	495.7	470.9	462.6	444.0	431.6	425.4	421.3
67.5°	499.8	479.1	460.5	444.0	425.4	417.2	406.9	392.4	384.1	380.0	375.9
70°	427.5	413.0	394.5	384.1	371.7	365.5	351.1	347.0	340.8	334.6	328.4
72.5°	357.3	349.0	340.8	326.3	322.2	318.0	303.6	295.3	287.1	278.8	274.7
75°	299.5	293.3	289.1	276.7	270.5	258.2	247.8	241.6	235.4	229.2	225.1
77.5°	245.8	241.6	229.2	221.0	216.9	206.5	202.4	204.5	200.3	192.1	187.9
80°	192.1	187.9	177.6	177.6	173.5	169.3	165.2	161.1	157.0	150.8	146.6
82.5°	146.6	142.5	138.4	134.2	130.1	128.0	126.0	121.8	117.7	113.6	111.5
85°	103.3	101.2	99.1	97.1	95.0	92.9	90.9	86.7	82.6	80.5	78.5
87.5°	70.2	68.2	66.1	64.0	62.0	59.9	57.8	55.8	51.6	49.6	47.5
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°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4871.9	4882.2	4871.9	4849.2	4834.7	4828.5	4840.9	4840.9	4849.2	4859.5	4861.6
5°	4795.5	4770.7	4741.8	4712.9	4698.4	4690.2	4667.4	4671.6	4677.8	4681.9	4686.0
7.5°	4605.5	4572.4	4533.2	4496.0	4481.6	4469.2	4442.3	4442.3	4442.3	4444.4	4456.8
10°	4411.4	4396.9	4380.4	4355.6	4337.0	4330.8	4308.1	4314.3	4310.2	4316.4	4330.8
12.5°	4320.5	4304.0	4289.5	4264.7	4244.1	4235.8	4225.5	4231.7	4229.6	4239.9	4252.3
15°	4237.9	4229.6	4213.1	4194.5	4175.9	4159.4	4122.2	4109.8	4101.6	4091.2	4105.7
17.5°	4101.6	4043.7	4004.5	3975.6	3954.9	3940.5	3930.2	3930.2	3936.3	3942.5	3954.9
20°	3915.7	3899.2	3880.6	3849.6	3829.0	3820.7	3814.5	3814.5	3824.8	3833.1	3855.8
22.5°	3787.6	3785.6	3779.4	3764.9	3754.6	3754.6	3756.7	3760.8	3775.3	3787.6	3810.4
25°	3727.8	3736.0	3731.9	3723.6	3717.4	3719.5	3715.4	3719.5	3734.0	3746.3	3764.9
27.5°	3680.3	3692.6	3688.5	3676.1	3665.8	3669.9	3676.1	3672.0	3684.4	3698.8	3713.3
30°	3616.2	3618.3	3626.6	3612.1	3608.0	3614.2	3616.2	3620.4	3632.8	3643.1	3655.5
32.5°	3544.0	3560.5	3558.4	3544.0	3544.0	3550.1	3552.2	3413.8	3155.7	2717.9	2598.1
35°	3473.7	3492.3	3461.3	2918.2	2019.8	1078.1	832.3	803.4	809.6	813.7	817.8
37.5°	2569.2	1218.5	776.5	782.7	788.9	795.1	801.3	807.5	813.7	819.9	822.0
40°	772.4	770.3	776.5	784.8	791.0	795.1	803.4	809.6	815.8	822.0	824.0
42.5°	764.1	768.3	774.5	782.7	791.0	799.2	805.4	813.7	817.8	822.0	824.0
45°	760.0	768.3	776.5	782.7	788.9	793.1	797.2	799.2	797.2	797.2	801.3
47.5°	753.8	762.1	764.1	762.1	764.1	762.1	762.1	762.1	755.9	753.8	753.8
50°	731.1	731.1	727.0	718.7	716.6	714.6	710.4	708.4	700.1	698.1	698.1
52.5°	683.6	681.5	675.3	665.0	660.9	656.7	654.7	652.6	644.4	640.2	642.3
55°	627.8	623.7	617.5	605.1	603.1	598.9	596.9	594.8	586.5	590.7	584.5
57.5°	576.2	567.9	559.7	557.6	549.4	547.3	545.2	543.2	537.0	539.0	534.9
60°	514.2	512.2	508.0	499.8	499.8	497.7	497.7	493.6	489.5	487.4	487.4
62.5°	468.8	462.6	458.5	458.5	452.3	452.3	452.3	448.2	444.0	446.1	444.0
65°	419.2	417.2	415.1	411.0	411.0	408.9	408.9	404.8	398.6	400.7	396.5
67.5°	377.9	373.8	369.7	367.6	359.4	355.2	353.2	351.1	342.8	344.9	340.8
70°	326.3	320.1	316.0	311.9	305.7	301.5	301.5	297.4	291.2	293.3	289.1
72.5°	272.6	268.5	264.4	262.3	256.1	254.0	252.0	249.9	243.7	245.8	243.7
75°	227.2	227.2	225.1	223.0	216.9	210.7	206.5	204.5	200.3	202.4	198.3
77.5°	187.9	183.8	179.7	179.7	173.5	169.3	165.2	165.2	165.2	163.2	161.1
80°	146.6	142.5	142.5	140.4	136.3	132.2	130.1	130.1	128.0	128.0	126.0
82.5°	111.5	107.4	105.3	105.3	101.2	99.1	97.1	95.0	95.0	95.0	92.9
85°	78.5	74.3	72.3	72.3	68.2	66.1	66.1	64.0	64.0	62.0	62.0
87.5°	47.5	45.4	43.4	43.4	39.2	37.2	37.2	37.2	35.1	35.1	33.0
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4861.6	4861.6	4847.1	4851.2	4845.1	4853.3	4843.0	4843.0	4855.4	4855.4	4863.6
5°	4688.1	4677.8	4675.7	4671.6	4650.9	4659.2	4648.9	4638.5	4653.0	4653.0	4671.6
7.5°	4450.6	4432.0	4440.3	4427.9	4415.5	4396.9	4403.1	4394.8	4405.2	4419.6	4438.2
10°	4328.7	4312.2	4322.5	4310.2	4316.4	4289.5	4291.6	4293.6	4304.0	4308.1	4324.6
12.5°	4250.3	4246.1	4242.0	4237.9	4242.0	4227.5	4219.3	4221.4	4225.5	4227.5	4239.9
15°	4085.0	4058.2	4066.5	4037.5	4039.6	4041.7	4025.2	4041.7	4039.6	4066.5	4091.2
17.5°	3950.8	3950.8	3936.3	3924.0	3915.7	3913.6	3901.2	3909.5	3901.2	3917.8	3924.0
20°	3857.9	3855.8	3853.7	3847.5	3826.9	3829.0	3835.2	3816.6	3814.5	3812.4	3824.8
22.5°	3814.5	3816.6	3808.3	3808.3	3789.7	3793.8	3795.9	3775.3	3777.3	3771.1	3777.3
25°	3769.1	3773.2	3762.9	3762.9	3758.7	3756.7	3746.3	3750.5	3738.1	3727.8	3738.1
27.5°	3715.4	3723.6	3715.4	3719.5	3711.2	3707.1	3700.9	3696.8	3684.4	3682.3	3688.5
30°	3665.8	3669.9	3667.9	3657.5	3655.5	3643.1	3649.3	3636.9	3624.5	3626.6	3630.7
32.5°	1879.4	1794.7	1383.7	1249.5	1237.1	1282.5	1520.0	1850.5	2397.7	2928.5	3310.6
35°	819.9	819.9	819.9	817.8	817.8	815.8	813.7	811.6	809.6	807.5	805.4
37.5°	824.0	824.0	824.0	824.0	822.0	819.9	819.9	815.8	813.7	811.6	809.6
40°	826.1	828.2	828.2	828.2	826.1	826.1	824.0	819.9	817.8	813.7	809.6
42.5°	824.0	826.1	826.1	824.0	824.0	822.0	822.0	819.9	817.8	815.8	813.7
45°	797.2	799.2	795.1	795.1	793.1	793.1	793.1	793.1	793.1	795.1	795.1
47.5°	749.7	749.7	747.6	745.6	745.6	743.5	745.6	743.5	747.6	749.7	753.8
50°	693.9	693.9	689.8	687.7	687.7	687.7	687.7	689.8	691.9	696.0	700.1
52.5°	636.1	636.1	634.0	632.0	629.9	629.9	636.1	634.0	636.1	638.2	644.4
55°	580.3	582.4	578.3	578.3	576.2	576.2	576.2	578.3	580.3	582.4	588.6
57.5°	532.8	532.8	528.7	528.7	528.7	526.6	532.8	528.7	530.8	532.8	537.0
60°	485.3	483.3	483.3	481.2	481.2	481.2	485.3	483.3	483.3	485.3	489.5
62.5°	442.0	442.0	439.9	439.9	437.8	437.8	442.0	439.9	439.9	442.0	444.0
65°	392.4	392.4	390.3	388.3	394.5	388.3	394.5	390.3	394.5	396.5	400.7
67.5°	336.6	336.6	336.6	334.6	334.6	338.7	340.8	336.6	338.7	342.8	344.9
70°	287.1	287.1	285.0	285.0	285.0	289.1	291.2	287.1	289.1	291.2	295.3
72.5°	243.7	239.6	239.6	237.5	241.6	241.6	243.7	241.6	243.7	243.7	247.8
75°	200.3	196.2	196.2	196.2	200.3	198.3	200.3	198.3	200.3	200.3	202.4
77.5°	161.1	159.0	157.0	157.0	161.1	161.1	161.1	159.0	161.1	163.2	165.2
80°	126.0	123.9	121.8	121.8	126.0	126.0	126.0	128.0	126.0	128.0	130.1
82.5°	92.9	90.9	88.8	92.9	92.9	92.9	92.9	95.0	92.9	95.0	97.1
85°	62.0	59.9	57.8	62.0	62.0	62.0	62.0	64.0	62.0	64.0	66.1
87.5°	33.0	31.0	31.0	33.0	33.0	33.0	35.1	35.1	35.1	37.2	37.2
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4876.0	4882.2	4880.2	4867.8	4855.4	4840.9	4830.6	4832.7	4853.3	4859.5	4840.9
5°	4671.6	4710.8	4710.8	4737.7	4723.2	4710.8	4719.1	4764.5	4787.2	4822.3	4834.7
7.5°	4460.9	4479.5	4477.4	4504.3	4500.2	4500.2	4506.4	4566.2	4595.2	4624.1	4632.3
10°	4343.2	4361.8	4359.7	4361.8	4355.6	4341.1	4341.1	4368.0	4392.8	4407.2	4411.4
12.5°	4258.5	4268.9	4266.8	4266.8	4262.7	4250.3	4248.2	4270.9	4297.8	4316.4	4318.4
15°	4132.5	4161.5	4167.7	4194.5	4188.3	4171.8	4175.9	4194.5	4211.0	4227.5	4221.4
17.5°	3944.6	3959.1	3961.1	3971.5	3967.3	3967.3	3992.1	4060.3	4105.7	4144.9	4149.1
20°	3837.2	3847.5	3843.4	3866.1	3855.8	3853.7	3859.9	3888.8	3909.5	3928.1	3961.1
22.5°	3785.6	3793.8	3787.6	3789.7	3771.1	3754.6	3750.5	3773.2	3795.9	3820.7	3820.7
25°	3742.2	3748.4	3746.3	3742.2	3727.8	3705.0	3700.9	3705.0	3713.3	3715.4	3700.9
27.5°	3690.6	3694.7	3694.7	3696.8	3678.2	3657.5	3653.4	3649.3	3657.5	3655.5	3632.8
30°	3636.9	3630.7	3632.8	3634.8	3618.3	3599.7	3591.5	3589.4	3597.6	3595.6	3572.9
32.5°	3508.8	3556.3	3560.5	3564.6	3550.1	3533.6	3525.4	3519.2	3523.3	3521.2	3500.6
35°	803.4	817.8	1001.6	2267.6	3079.3	3409.7	3444.8	3436.6	3438.6	3438.6	3422.1
37.5°	805.4	803.4	801.3	795.1	788.9	784.8	1356.9	2893.4	3351.9	3353.9	3339.5
40°	805.4	803.4	801.3	797.2	788.9	782.7	772.4	764.1	782.7	1722.4	3151.6
42.5°	809.6	805.4	801.3	797.2	788.9	780.7	772.4	762.1	768.3	764.1	753.8
45°	797.2	795.1	795.1	793.1	788.9	780.7	770.3	757.9	751.7	757.9	747.6
47.5°	757.9	760.0	766.2	768.3	768.3	770.3	764.1	755.9	745.6	751.7	739.4
50°	704.2	708.4	710.4	720.8	724.9	733.2	735.2	735.2	733.2	741.4	733.2
52.5°	646.4	650.6	660.9	665.0	669.1	681.5	685.7	691.9	696.0	708.4	716.6
55°	590.7	592.7	596.9	605.1	611.3	621.6	627.8	634.0	644.4	650.6	675.3
57.5°	539.0	541.1	549.4	551.4	555.5	563.8	570.0	578.3	586.5	590.7	619.6
60°	489.5	491.5	497.7	499.8	501.9	510.1	516.3	522.5	528.7	532.8	553.5
62.5°	446.1	446.1	452.3	452.3	454.4	460.5	464.7	468.8	475.0	477.1	487.4
65°	402.7	404.8	408.9	408.9	411.0	415.1	417.2	419.2	425.4	425.4	433.7
67.5°	349.0	351.1	357.3	361.4	363.5	371.7	373.8	375.9	380.0	382.1	386.2
70°	297.4	299.5	305.7	307.7	309.8	316.0	320.1	326.3	332.5	338.7	342.8
72.5°	249.9	252.0	258.2	258.2	264.4	266.4	270.5	272.6	278.8	282.9	289.1
75°	204.5	206.5	212.7	212.7	218.9	221.0	223.0	225.1	229.2	233.4	237.5
77.5°	167.3	167.3	175.5	179.7	183.8	183.8	185.9	185.9	185.9	187.9	192.1
80°	132.2	132.2	138.4	142.5	146.6	146.6	148.7	150.8	152.8	152.8	154.9
82.5°	99.1	99.1	105.3	107.4	111.5	111.5	111.5	113.6	115.7	113.6	117.7
85°	68.2	68.2	72.3	74.3	78.5	78.5	78.5	80.5	82.6	80.5	82.6
87.5°	39.2	41.3	43.4	45.4	47.5	49.6	49.6	49.6	51.6	51.6	53.7
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-LD5-101SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4820.3	4795.5	4793.4	4764.5	4756.2	4758.3	4735.6	4727.3	4690.2	4681.9	4642.7
5°	4838.9	4851.2	4845.1	4843.0	4849.2	4845.1	4828.5	4820.3	4814.1	4797.6	4764.5
7.5°	4634.4	4642.7	4648.9	4675.7	4698.4	4737.7	4779.0	4805.8	4826.5	4830.6	4803.7
10°	4425.8	4465.0	4491.9	4533.2	4566.2	4589.0	4613.7	4636.5	4696.4	4756.2	4791.4
12.5°	4318.4	4328.7	4326.7	4349.4	4372.1	4432.0	4489.8	4522.9	4568.3	4595.2	4659.2
15°	4227.5	4229.6	4235.8	4252.3	4264.7	4285.4	4312.2	4361.8	4452.7	4494.0	4529.1
17.5°	4144.9	4144.9	4149.1	4163.5	4180.0	4198.6	4215.2	4235.8	4281.2	4349.4	4436.1
20°	4012.8	4070.6	4076.8	4074.7	4083.0	4118.1	4122.2	4159.4	4182.1	4209.0	4293.6
22.5°	3816.6	3851.7	3901.2	3977.7	4006.6	4023.1	4035.5	4052.0	4087.1	4118.1	4153.2
25°	3709.2	3731.9	3746.3	3769.1	3829.0	3926.0	3944.6	3963.2	3985.9	4008.6	4052.0
27.5°	3614.2	3612.1	3622.4	3643.1	3659.6	3711.2	3802.1	3874.4	3878.5	3911.6	3948.7
30°	3546.0	3533.6	3519.2	3515.0	3537.8	3564.6	3591.5	3705.0	3783.5	3800.0	3839.3
32.5°	3482.0	3461.3	3440.7	3424.2	3409.7	3432.4	3449.0	3498.5	3599.7	3694.7	3715.4
35°	3403.5	3382.9	3358.1	3339.5	3316.8	3314.7	3312.6	3360.1	3393.2	3506.8	3605.9
37.5°	3323.0	3300.3	3279.6	3258.9	3236.2	3219.7	3209.4	3221.8	3252.8	3302.3	3467.5
40°	3238.3	3211.4	3190.8	3174.3	3143.3	3130.9	3110.3	3102.0	3104.1	3147.4	3234.2
42.5°	1935.1	3085.5	3095.8	3077.2	3050.4	3033.8	3011.1	3000.8	2980.1	3000.8	3050.4
45°	745.6	753.8	2257.3	2982.2	2949.2	2928.5	2907.9	2897.5	2874.8	2858.3	2903.7
47.5°	731.1	739.4	722.8	1024.4	2814.9	2821.1	2796.3	2786.0	2763.3	2750.9	2738.5
50°	720.8	727.0	714.6	718.7	704.2	2579.5	2682.7	2670.4	2645.6	2631.1	2606.3
52.5°	710.4	710.4	702.2	691.9	687.7	689.8	2170.6	2552.6	2523.7	2509.3	2476.2
55°	677.4	681.5	689.8	673.3	669.1	667.1	660.9	2067.3	2389.5	2373.0	2344.0
57.5°	627.8	636.1	658.8	654.7	654.7	638.2	634.0	634.0	1918.6	2234.6	2205.7
60°	570.0	578.3	603.1	611.3	617.5	613.4	609.2	607.2	598.9	2021.9	2059.0
62.5°	510.1	518.4	526.6	553.5	561.7	572.1	584.5	578.3	570.0	570.0	1904.2
65°	446.1	458.5	462.6	487.4	497.7	516.3	526.6	541.1	537.0	534.9	545.2
67.5°	390.3	404.8	406.9	417.2	435.8	444.0	456.4	483.3	495.7	499.8	503.9
70°	342.8	351.1	357.3	361.4	373.8	375.9	398.6	417.2	435.8	456.4	462.6
72.5°	295.3	301.5	313.9	309.8	313.9	322.2	334.6	347.0	365.5	394.5	413.0
75°	241.6	245.8	254.0	258.2	266.4	272.6	280.9	291.2	307.7	322.2	347.0
77.5°	194.1	196.2	202.4	204.5	212.7	218.9	233.4	239.6	249.9	260.2	274.7
80°	157.0	157.0	159.0	159.0	165.2	171.4	181.7	187.9	200.3	208.6	208.6
82.5°	119.8	119.8	126.0	126.0	130.1	130.1	136.3	136.3	142.5	146.6	150.8
85°	84.7	86.7	90.9	88.8	92.9	90.9	95.0	99.1	101.2	99.1	97.1
87.5°	55.8	55.8	59.9	57.8	59.9	59.9	64.0	64.0	66.1	66.1	64.0
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4628.2	4597.2	4578.6	4555.9	4549.7	4543.5	4551.8	4551.8	4539.4	4529.1	4510.5
5°	4735.6	4702.6	4667.4	4630.3	4595.2	4558.0	4543.5	4541.5	4518.7	4506.4	4500.2
7.5°	4791.4	4774.8	4735.6	4684.0	4630.3	4564.2	4535.3	4518.7	4496.0	4491.9	4491.9
10°	4797.6	4779.0	4758.3	4721.1	4659.2	4572.4	4516.7	4483.6	4463.0	4477.4	4504.3
12.5°	4737.7	4772.8	4754.2	4729.4	4679.8	4574.5	4494.0	4444.4	4438.2	4475.4	4545.6
15°	4584.8	4688.1	4739.7	4714.9	4675.7	4570.4	4456.8	4399.0	4399.0	4475.4	4566.2
17.5°	4469.2	4549.7	4675.7	4696.4	4650.9	4562.1	4421.7	4353.5	4372.1	4483.6	4580.7
20°	4374.2	4423.7	4545.6	4661.2	4617.9	4543.5	4370.0	4299.8	4337.0	4471.2	4601.4
22.5°	4225.5	4324.6	4399.0	4570.4	4584.8	4508.4	4318.4	4233.7	4308.1	4471.2	4591.0
25°	4080.9	4200.7	4279.2	4446.5	4535.3	4465.0	4270.9	4163.5	4277.1	4465.0	4582.8
27.5°	3979.7	4035.5	4178.0	4297.8	4460.9	4407.2	4206.9	4087.1	4237.9	4432.0	4535.3
30°	3872.3	3909.5	4049.9	4163.5	4361.8	4341.1	4140.8	4002.4	4188.3	4401.0	4411.4
32.5°	3754.6	3795.9	3868.2	4033.4	4223.4	4279.2	4066.5	3917.8	4134.6	4353.5	4266.8
35°	3634.8	3665.8	3723.6	3901.2	4062.3	4186.2	3975.6	3820.7	4097.4	4281.2	4128.4
37.5°	3515.0	3548.1	3597.6	3746.3	3893.0	4099.5	3897.1	3723.6	4029.3	4153.2	3983.8
40°	3401.5	3420.0	3471.7	3564.6	3752.5	4010.7	3808.3	3622.4	3959.1	3990.0	3787.6
42.5°	3192.9	3285.8	3333.3	3407.6	3593.5	3888.8	3705.0	3515.0	3880.6	3826.9	3591.5
45°	2967.7	3170.1	3190.8	3265.1	3453.1	3758.7	3608.0	3409.7	3806.2	3686.5	3405.6
47.5°	2783.9	2930.6	3050.4	3112.3	3285.8	3605.9	3517.1	3320.9	3694.7	3508.8	3223.8
50°	2620.8	2699.3	2916.1	2961.6	3085.5	3422.1	3409.7	3217.6	3539.8	3285.8	3046.2
52.5°	2461.8	2517.5	2713.7	2810.8	2912.0	3223.8	3281.7	3116.4	3370.5	3062.8	2866.6
55°	2323.4	2342.0	2449.4	2653.8	2744.7	3023.5	3141.2	2998.7	3155.7	2850.0	2693.1
57.5°	2180.9	2164.4	2242.9	2505.1	2571.2	2819.1	2992.5	2878.9	2982.2	2633.2	2513.4
60°	2032.2	2009.5	2042.5	2216.0	2387.4	2616.7	2817.0	2746.8	2771.6	2418.4	2313.1
62.5°	1877.3	1854.6	1844.3	1953.7	2207.7	2408.1	2639.4	2600.1	2513.4	2222.2	2065.2
65°	1716.2	1693.5	1677.0	1720.3	2009.5	2137.5	2441.1	2430.8	2230.5	2015.7	1738.9
67.5°	522.5	1540.7	1505.6	1503.5	1693.5	1891.8	2226.3	2209.8	1945.5	1794.7	1497.3
70°	470.9	1249.5	1327.9	1309.4	1392.0	1641.9	1980.6	1968.2	1668.7	1439.5	1323.8
72.5°	431.6	442.0	1173.1	1152.4	1171.0	1396.1	1724.5	1691.4	1414.7	1135.9	1144.1
75°	369.7	388.3	404.8	972.7	947.9	1156.5	1445.7	1394.0	1166.9	937.6	956.2
77.5°	301.5	324.2	336.6	708.4	766.2	824.0	1154.5	1086.3	803.4	749.7	357.3
80°	225.1	243.7	264.4	282.9	582.4	576.2	857.1	788.9	559.7	466.7	278.8
82.5°	165.2	171.4	183.8	204.5	231.3	386.2	551.4	485.3	388.3	212.7	192.1
85°	103.3	111.5	117.7	123.9	140.4	231.3	272.6	216.9	163.2	130.1	121.8
87.5°	66.1	66.1	64.0	66.1	68.2	82.6	92.9	88.8	70.2	66.1	66.1
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4489.8	4460.9	4460.9	4452.7	4458.9	4458.9	4456.8	4458.9	4473.3	4481.6	4496.0
5°	4487.8	4479.5	4498.1	4520.8	4547.7	4580.7	4589.0	4617.9	4644.7	4679.8	4717.0
7.5°	4514.6	4543.5	4578.6	4615.8	4669.5	4708.7	4743.9	4779.0	4803.7	4836.8	4857.4
10°	4553.9	4611.7	4671.6	4719.1	4776.9	4809.9	4832.7	4836.8	4801.7	4745.9	4700.5
12.5°	4609.6	4677.8	4733.5	4779.0	4805.8	4793.4	4727.3	4659.2	4619.9	4562.1	4481.6
15°	4657.1	4719.1	4776.9	4758.3	4686.0	4617.9	4566.2	4485.7	4407.2	4353.5	4318.4
17.5°	4677.8	4737.7	4717.0	4619.9	4551.8	4473.3	4368.0	4306.0	4254.4	4213.1	4192.4
20°	4690.2	4679.8	4568.3	4498.1	4365.9	4293.6	4225.5	4167.7	4128.4	4107.8	4103.6
22.5°	4657.1	4531.1	4436.1	4310.2	4213.1	4153.2	4099.5	4052.0	4025.2	4008.6	3998.3
25°	4547.7	4401.0	4260.6	4161.5	4078.8	4027.2	3985.9	3946.7	3913.6	3905.4	3884.7
27.5°	4394.8	4275.0	4089.2	4012.8	3940.5	3915.7	3870.3	3831.0	3802.1	3777.3	3711.2
30°	4268.9	4078.8	3944.6	3874.4	3831.0	3802.1	3750.5	3709.2	3659.6	3568.7	3531.6
32.5°	4114.0	3926.0	3798.0	3758.7	3705.0	3680.3	3622.4	3531.6	3455.1	3418.0	3415.9
35°	3913.6	3758.7	3665.8	3630.7	3587.3	3546.0	3426.2	3343.6	3306.4	3310.6	3341.6
37.5°	3746.3	3608.0	3548.1	3498.5	3449.0	3343.6	3242.4	3203.2	3213.5	3234.2	3248.6
40°	3577.0	3471.7	3403.5	3364.3	3252.8	3149.5	3095.8	3110.3	3128.8	3143.3	3161.9
42.5°	3411.8	3337.4	3269.3	3192.9	3040.0	2984.3	2996.7	3015.3	3031.8	3052.4	3071.0
45°	3254.8	3188.7	3110.3	2936.8	2860.4	2874.8	2893.4	2907.9	2932.6	2947.1	2965.7
47.5°	3106.1	3035.9	2897.5	2744.7	2736.4	2765.4	2781.9	2800.5	2819.1	2781.9	1534.5
50°	2938.8	2866.6	2655.9	2598.1	2616.7	2643.5	2664.2	2682.7	2389.5	950.0	731.1
52.5°	2773.6	2589.8	2455.6	2472.1	2490.7	2521.7	2536.1	1883.5	749.7	714.6	716.6
55°	2589.8	2354.4	2315.1	2335.8	2352.3	2383.3	1579.9	691.9	687.7	685.7	702.2
57.5°	2300.7	2158.2	2174.7	2195.3	2211.9	1561.3	673.3	669.1	671.2	673.3	675.3
60°	2042.5	2011.5	2030.1	2048.7	1449.8	650.6	638.2	640.2	648.5	642.3	625.8
62.5°	1838.1	1862.8	1881.4	1648.1	617.5	611.3	617.5	611.3	596.9	586.5	565.9
65°	1681.1	1705.9	1720.3	580.3	578.3	586.5	580.3	559.7	537.0	508.0	501.9
67.5°	1515.9	1540.7	551.4	537.0	545.2	534.9	510.1	485.3	468.8	444.0	433.7
70°	1344.5	576.2	499.8	497.7	483.3	466.7	439.9	415.1	394.5	384.1	373.8
72.5°	970.7	456.4	450.2	433.7	408.9	386.2	363.5	349.0	338.7	332.5	326.3
75°	404.8	396.5	377.9	349.0	324.2	313.9	297.4	287.1	282.9	270.5	266.4
77.5°	338.7	322.2	295.3	274.7	260.2	254.0	241.6	229.2	223.0	221.0	212.7
80°	260.2	237.5	225.1	214.8	210.7	196.2	181.7	175.5	171.4	169.3	163.2
82.5°	177.6	169.3	161.1	146.6	146.6	140.4	134.2	130.1	126.0	126.0	121.8
85°	115.7	109.5	107.4	101.2	101.2	97.1	95.0	92.9	90.9	88.8	86.7
87.5°	66.1	66.1	68.2	66.1	66.1	64.0	62.0	59.9	57.8	57.8	53.7
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-LD5-101SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4514.6	4535.3	4539.4	4609.6	4648.9	4646.8	4634.4	4671.6	4648.9	4636.5	4648.9
5°	4754.2	4779.0	4799.6	4876.0	4902.9	4915.3	4913.2	4933.9	4917.3	4902.9	4902.9
7.5°	4871.9	4880.2	4888.4	4869.8	4857.4	4836.8	4805.8	4760.4	4737.7	4712.9	4681.9
10°	4677.8	4650.9	4661.2	4624.1	4593.1	4570.4	4541.5	4504.3	4473.3	4450.6	4415.5
12.5°	4440.3	4438.2	4442.3	4448.5	4417.5	4399.0	4376.2	4349.4	4326.7	4301.9	4273.0
15°	4295.7	4297.8	4314.3	4308.1	4297.8	4287.4	4262.7	4254.4	4233.7	4206.9	4190.4
17.5°	4192.4	4202.8	4219.3	4211.0	4194.5	4184.2	4165.6	4147.0	4128.4	4107.8	4083.0
20°	4101.6	4111.9	4122.2	4111.9	4080.9	4066.5	4041.7	3983.8	3942.5	3901.2	3864.1
22.5°	4002.4	4008.6	4000.4	3967.3	3888.8	3851.7	3822.8	3806.2	3771.1	3748.4	3725.7
25°	3878.5	3843.4	3789.7	3752.5	3721.6	3705.0	3692.6	3690.6	3686.5	3682.3	3672.0
27.5°	3676.1	3663.7	3634.8	3620.4	3622.4	3628.6	3630.7	3636.9	3630.7	3622.4	3614.2
30°	3525.4	3531.6	3533.6	3537.8	3548.1	3554.3	3556.3	3564.6	3560.5	3554.3	3550.1
32.5°	3430.4	3444.8	3453.1	3465.5	3471.7	3482.0	3482.0	3494.4	3482.0	3479.9	3475.8
35°	3351.9	3364.3	3368.4	3387.0	3393.2	3403.5	3403.5	3413.8	3403.5	3298.2	2604.3
37.5°	3273.4	3285.8	3294.1	3310.6	3312.6	3318.8	3062.8	2240.8	1445.7	1119.4	855.0
40°	3180.5	3194.9	3203.2	3209.4	2255.2	1431.2	985.1	801.3	801.3	807.5	813.7
42.5°	3081.3	3091.7	2154.0	1253.6	780.7	778.6	784.8	791.0	797.2	805.4	813.7
45°	2422.5	1222.6	776.5	757.9	764.1	772.4	780.7	788.9	799.2	807.5	811.6
47.5°	795.1	745.6	755.9	747.6	757.9	768.3	776.5	784.8	786.9	788.9	786.9
50°	735.2	735.2	741.4	741.4	749.7	753.8	753.8	753.8	745.6	743.5	737.3
52.5°	710.4	727.0	718.7	722.8	718.7	712.5	706.3	700.1	687.7	683.6	675.3
55°	698.1	704.2	683.6	677.4	669.1	652.6	644.4	636.1	625.8	621.6	611.3
57.5°	669.1	654.7	632.0	621.6	607.2	590.7	582.4	576.2	565.9	561.7	555.5
60°	615.4	586.5	572.1	559.7	543.2	528.7	522.5	518.4	510.1	508.0	501.9
62.5°	549.4	524.6	512.2	495.7	483.3	475.0	468.8	466.7	458.5	458.5	454.4
65°	477.1	464.7	454.4	437.8	431.6	423.4	421.3	419.2	415.1	413.0	408.9
67.5°	419.2	411.0	396.5	388.3	384.1	377.9	373.8	369.7	361.4	357.3	351.1
70°	367.6	361.4	347.0	340.8	332.5	322.2	316.0	311.9	305.7	301.5	295.3
72.5°	318.0	299.5	289.1	282.9	276.7	266.4	264.4	260.2	254.0	252.0	245.8
75°	256.1	241.6	235.4	231.3	225.1	218.9	218.9	218.9	212.7	210.7	208.6
77.5°	204.5	196.2	192.1	187.9	185.9	181.7	175.5	173.5	167.3	167.3	165.2
80°	157.0	152.8	148.7	146.6	144.6	140.4	136.3	134.2	128.0	128.0	126.0
82.5°	115.7	113.6	111.5	109.5	107.4	105.3	99.1	97.1	92.9	92.9	90.9
85°	82.6	80.5	76.4	74.3	74.3	72.3	66.1	64.0	59.9	59.9	59.9
87.5°	51.6	49.6	47.5	45.4	43.4	41.3	37.2	35.1	35.1	31.0	28.9
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-LD5-101SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4624.1	4659.2	4655.1	4679.8	4686.0	4698.4	4702.6	4704.6	4673.6	4698.4	4700.5
5°	4896.7	4902.9	4907.0	4917.3	4927.7	4929.7	4919.4	4907.0	4911.1	4902.9	4882.2
7.5°	4677.8	4646.8	4640.6	4632.3	4628.2	4624.1	4605.5	4622.0	4603.4	4595.2	4566.2
10°	4409.3	4380.4	4378.3	4378.3	4384.5	4382.4	4378.3	4370.0	4386.6	4376.2	4370.0
12.5°	4268.9	4258.5	4264.7	4260.6	4277.1	4281.2	4277.1	4277.1	4273.0	4264.7	4268.9
15°	4184.2	4175.9	4182.1	4175.9	4188.3	4190.4	4180.0	4186.2	4175.9	4165.6	4161.5
17.5°	4072.7	4054.1	4039.6	4019.0	4021.0	4016.9	4004.5	4004.5	3994.2	3967.3	3969.4
20°	3857.9	3839.3	3831.0	3831.0	3841.3	3845.5	3843.4	3847.5	3837.2	3833.1	3816.6
22.5°	3723.6	3721.6	3725.7	3736.0	3752.5	3775.3	3777.3	3777.3	3777.3	3775.3	3754.6
25°	3676.1	3676.1	3680.3	3694.7	3707.1	3723.6	3727.8	3731.9	3727.8	3727.8	3709.2
27.5°	3622.4	3618.3	3626.6	3641.0	3655.5	3667.9	3678.2	3680.3	3674.1	3674.1	3680.3
30°	3556.3	3554.3	3564.6	3579.1	3591.5	3603.8	3614.2	3622.4	3614.2	3614.2	3608.0
32.5°	3488.2	3488.2	3492.3	3405.6	3157.8	2843.8	2850.0	2668.3	2542.3	2383.3	2593.9
35°	2176.8	1584.0	1361.0	1152.4	1005.8	910.8	908.7	877.7	863.3	852.9	850.9
37.5°	822.0	826.1	834.4	838.5	844.7	848.8	850.9	850.9	850.9	850.9	848.8
40°	819.9	828.2	834.4	840.6	846.7	850.9	850.9	852.9	855.0	855.0	855.0
42.5°	822.0	830.2	838.5	844.7	848.8	850.9	852.9	855.0	855.0	855.0	855.0
45°	819.9	824.0	824.0	826.1	826.1	826.1	828.2	828.2	826.1	824.0	828.2
47.5°	788.9	788.9	782.7	780.7	778.6	774.5	776.5	774.5	772.4	770.3	774.5
50°	735.2	727.0	722.8	718.7	716.6	712.5	714.6	712.5	710.4	706.3	712.5
52.5°	671.2	669.1	660.9	656.7	654.7	656.7	652.6	650.6	648.5	646.4	648.5
55°	609.2	601.0	598.9	594.8	592.7	594.8	592.7	590.7	588.6	586.5	588.6
57.5°	553.5	547.3	545.2	541.1	541.1	541.1	541.1	539.0	537.0	534.9	537.0
60°	499.8	495.7	493.6	493.6	491.5	491.5	491.5	489.5	487.4	487.4	489.5
62.5°	454.4	454.4	448.2	446.1	446.1	448.2	446.1	444.0	442.0	439.9	444.0
65°	406.9	398.6	396.5	392.4	388.3	390.3	388.3	386.2	384.1	382.1	386.2
67.5°	349.0	347.0	338.7	334.6	332.5	334.6	332.5	330.4	328.4	326.3	330.4
70°	293.3	293.3	285.0	282.9	280.9	280.9	278.8	278.8	276.7	274.7	278.8
72.5°	243.7	243.7	241.6	237.5	235.4	233.4	231.3	229.2	229.2	231.3	231.3
75°	202.4	198.3	190.0	192.1	190.0	187.9	187.9	185.9	183.8	187.9	185.9
77.5°	159.0	157.0	150.8	152.8	150.8	148.7	148.7	146.6	144.6	146.6	146.6
80°	119.8	119.8	117.7	115.7	115.7	113.6	111.5	111.5	109.5	111.5	111.5
82.5°	86.7	86.7	84.7	82.6	80.5	80.5	78.5	78.5	78.5	78.5	78.5
85°	55.8	53.7	53.7	49.6	49.6	49.6	47.5	47.5	47.5	47.5	47.5
87.5°	26.8	26.8	24.8	24.8	22.7	20.7	20.7	18.6	18.6	20.7	20.7
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-LD5-101SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4663.3	4690.2	4667.4	4677.8	4679.8	4714.9	4712.9	4721.1	4706.7	4690.2	4667.4
5°	4900.8	4888.4	4871.9	4911.1	4890.5	4915.3	4923.5	4940.1	4940.1	4938.0	4919.4
7.5°	4597.2	4570.4	4591.0	4605.5	4611.7	4595.2	4628.2	4665.4	4696.4	4714.9	4717.0
10°	4359.7	4368.0	4365.9	4372.1	4386.6	4384.5	4405.2	4425.8	4434.1	4446.5	4450.6
12.5°	4248.2	4246.1	4250.3	4264.7	4273.0	4270.9	4291.6	4304.0	4308.1	4310.2	4308.1
15°	4159.4	4144.9	4155.3	4157.3	4163.5	4163.5	4188.3	4206.9	4215.2	4219.3	4215.2
17.5°	3992.1	3957.0	3990.0	3990.0	4012.8	4008.6	4047.9	4078.8	4095.4	4107.8	4107.8
20°	3826.9	3810.4	3822.8	3818.6	3835.2	3833.1	3857.9	3878.5	3893.0	3903.3	3915.7
22.5°	3760.8	3764.9	3746.3	3748.4	3748.4	3746.3	3758.7	3769.1	3773.2	3779.4	3775.3
25°	3717.4	3721.6	3715.4	3705.0	3700.9	3705.0	3711.2	3723.6	3725.7	3721.6	3707.1
27.5°	3674.1	3661.7	3672.0	3653.4	3649.3	3657.5	3665.8	3667.9	3669.9	3669.9	3657.5
30°	3608.0	3597.6	3608.0	3599.7	3591.5	3599.7	3605.9	3605.9	3610.0	3612.1	3597.6
32.5°	2521.7	2542.3	2876.9	3079.3	3364.3	3508.8	3535.7	3535.7	3539.8	3539.8	3527.4
35°	859.1	861.2	931.4	1009.9	1177.2	1383.7	1654.3	1794.7	2269.7	2837.6	3387.0
37.5°	848.8	846.7	844.7	842.6	840.6	838.5	834.4	832.3	844.7	1001.6	1358.9
40°	852.9	850.9	846.7	844.7	842.6	838.5	836.4	832.3	828.2	824.0	819.9
42.5°	852.9	850.9	848.8	846.7	844.7	842.6	838.5	834.4	830.2	824.0	817.8
45°	824.0	824.0	826.1	826.1	828.2	828.2	828.2	826.1	826.1	824.0	815.8
47.5°	770.3	770.3	776.5	776.5	780.7	784.8	784.8	788.9	795.1	799.2	801.3
50°	708.4	708.4	714.6	716.6	720.8	727.0	733.2	735.2	741.4	749.7	757.9
52.5°	646.4	646.4	652.6	652.6	656.7	662.9	669.1	671.2	679.5	687.7	698.1
55°	588.6	588.6	592.7	594.8	596.9	601.0	607.2	607.2	615.4	621.6	632.0
57.5°	537.0	541.1	541.1	541.1	543.2	547.3	551.4	551.4	557.6	563.8	572.1
60°	487.4	491.5	491.5	491.5	493.6	495.7	499.8	499.8	503.9	508.0	516.3
62.5°	442.0	446.1	446.1	448.2	448.2	450.2	454.4	452.3	456.4	458.5	464.7
65°	384.1	388.3	390.3	392.4	394.5	398.6	404.8	402.7	408.9	413.0	419.2
67.5°	328.4	332.5	332.5	334.6	336.6	340.8	344.9	344.9	351.1	355.2	363.5
70°	276.7	280.9	280.9	282.9	285.0	289.1	293.3	291.2	297.4	301.5	307.7
72.5°	229.2	233.4	233.4	235.4	235.4	239.6	243.7	247.8	247.8	252.0	256.1
75°	185.9	187.9	190.0	190.0	192.1	194.1	198.3	202.4	204.5	206.5	210.7
77.5°	146.6	148.7	150.8	150.8	152.8	154.9	157.0	165.2	169.3	171.4	171.4
80°	111.5	113.6	113.6	113.6	115.7	117.7	121.8	121.8	130.1	130.1	132.2
82.5°	78.5	80.5	80.5	80.5	82.6	86.7	88.8	90.9	95.0	97.1	97.1
85°	47.5	49.6	49.6	49.6	51.6	53.7	57.8	59.9	62.0	62.0	64.0
87.5°	18.6	20.7	22.7	22.7	24.8	26.8	28.9	31.0	33.0	33.0	35.1
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4642.7	4657.1	4642.7	4650.9	4661.2	4642.7	4599.3	4582.8	4576.6	4551.8	4535.3
5°	4900.8	4900.8	4894.6	4911.1	4909.1	4880.2	4834.7	4814.1	4793.4	4766.6	4745.9
7.5°	4717.0	4733.5	4743.9	4807.9	4849.2	4853.3	4882.2	4888.4	4896.7	4888.4	4876.0
10°	4452.7	4446.5	4475.4	4535.3	4570.4	4589.0	4644.7	4671.6	4694.3	4739.7	4787.2
12.5°	4304.0	4312.2	4324.6	4368.0	4401.0	4392.8	4415.5	4434.1	4460.9	4506.4	4574.5
15°	4204.8	4213.1	4225.5	4258.5	4279.2	4268.9	4281.2	4293.6	4312.2	4334.9	4376.2
17.5°	4097.4	4111.9	4126.3	4161.5	4180.0	4178.0	4188.3	4192.4	4198.6	4213.1	4242.0
20°	3930.2	3975.6	4004.5	4052.0	4078.8	4074.7	4093.3	4099.5	4107.8	4122.2	4134.6
22.5°	3777.3	3789.7	3804.2	3855.8	3901.2	3957.0	3969.4	3985.9	4006.6	4021.0	4033.4
25°	3690.6	3682.3	3688.5	3723.6	3748.4	3752.5	3771.1	3824.8	3880.6	3905.4	3934.3
27.5°	3639.0	3630.7	3628.6	3645.1	3649.3	3639.0	3634.8	3651.3	3692.6	3734.0	3820.7
30°	3583.2	3572.9	3564.6	3579.1	3585.3	3570.8	3544.0	3529.5	3554.3	3564.6	3599.7
32.5°	3517.1	3506.8	3502.6	3510.9	3515.0	3502.6	3473.7	3457.2	3453.1	3444.8	3453.1
35°	3442.8	3432.4	3426.2	3428.3	3436.6	3426.2	3401.5	3380.8	3370.5	3347.8	3331.2
37.5°	1774.0	2513.4	3263.1	3341.6	3349.8	3347.8	3323.0	3300.3	3289.9	3263.1	3254.8
40°	811.6	906.6	1361.0	1778.2	2565.0	3258.9	3236.2	3213.5	3194.9	3186.7	3155.7
42.5°	809.6	811.6	813.7	803.4	995.4	1695.6	2503.1	3124.7	3112.3	3091.7	3068.9
45°	809.6	799.2	807.5	795.1	799.2	797.2	993.4	1602.6	2852.1	2980.1	2969.8
47.5°	801.3	795.1	803.4	793.1	780.7	786.9	778.6	788.9	1230.9	2088.0	2860.4
50°	764.1	768.3	782.7	780.7	770.3	778.6	764.1	776.5	766.2	840.6	1619.1
52.5°	708.4	716.6	731.1	743.5	747.6	757.9	753.8	757.9	749.7	751.7	753.8
55°	642.3	652.6	665.0	683.6	691.9	708.4	720.8	727.0	737.3	735.2	718.7
57.5°	580.3	590.7	601.0	619.6	638.2	646.4	669.1	681.5	708.4	702.2	698.1
60°	522.5	530.8	541.1	545.2	567.9	582.4	603.1	615.4	650.6	658.8	671.2
62.5°	470.9	475.0	483.3	489.5	503.9	518.4	528.7	549.4	567.9	594.8	613.4
65°	423.4	427.5	433.7	437.8	439.9	460.5	466.7	489.5	495.7	524.6	541.1
67.5°	369.7	377.9	386.2	390.3	394.5	406.9	411.0	421.3	435.8	448.2	468.8
70°	313.9	320.1	328.4	334.6	342.8	351.1	363.5	369.7	380.0	388.3	404.8
72.5°	262.3	268.5	272.6	278.8	285.0	291.2	301.5	316.0	324.2	338.7	342.8
75°	212.7	218.9	223.0	227.2	233.4	237.5	241.6	256.1	264.4	276.7	289.1
77.5°	175.5	175.5	179.7	192.1	190.0	190.0	194.1	202.4	208.6	216.9	229.2
80°	136.3	138.4	140.4	150.8	152.8	154.9	152.8	159.0	165.2	167.3	175.5
82.5°	101.2	103.3	103.3	109.5	115.7	115.7	115.7	117.7	123.9	126.0	130.1
85°	68.2	70.2	72.3	74.3	78.5	80.5	82.6	82.6	86.7	88.8	90.9
87.5°	37.2	41.3	43.4	45.4	47.5	49.6	51.6	53.7	55.8	57.8	59.9
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-LD5-101SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4	4506.4
2.5°	4529.1	4518.7	4512.5	4496.0	4491.9	4465.0	4469.2	4465.0	4465.0	4471.2	4491.9
5°	4723.2	4673.6	4661.2	4626.1	4597.2	4547.7	4516.7	4500.2	4475.4	4465.0	4479.5
7.5°	4855.4	4818.2	4787.2	4756.2	4714.9	4657.1	4613.7	4564.2	4522.9	4483.6	4473.3
10°	4832.7	4874.0	4874.0	4855.4	4816.1	4758.3	4706.7	4644.7	4572.4	4510.5	4473.3
12.5°	4640.6	4712.9	4770.7	4814.1	4853.3	4814.1	4762.4	4712.9	4632.3	4541.5	4473.3
15°	4429.9	4504.3	4576.6	4667.4	4762.4	4801.7	4799.6	4741.8	4669.5	4574.5	4479.5
17.5°	4281.2	4332.9	4372.1	4471.2	4586.9	4688.1	4756.2	4760.4	4690.2	4605.5	4481.6
20°	4169.7	4206.9	4239.9	4295.7	4396.9	4520.8	4646.8	4717.0	4704.6	4611.7	4487.8
22.5°	4068.5	4095.4	4122.2	4163.5	4244.1	4324.6	4471.2	4615.8	4677.8	4601.4	4481.6
25°	3967.3	3996.2	4016.9	4045.8	4109.8	4175.9	4279.2	4458.9	4597.2	4593.1	4469.2
27.5°	3847.5	3886.8	3911.6	3950.8	3994.2	4043.7	4114.0	4283.3	4481.6	4551.8	4436.1
30°	3703.0	3760.8	3798.0	3841.3	3878.5	3921.9	3977.7	4080.9	4326.7	4471.2	4401.0
32.5°	3494.4	3597.6	3680.3	3721.6	3762.9	3800.0	3849.6	3936.3	4136.7	4361.8	4361.8
35°	3345.7	3393.2	3467.5	3587.3	3639.0	3676.1	3721.6	3789.7	3917.8	4231.7	4297.8
37.5°	3230.0	3248.6	3285.8	3403.5	3500.6	3560.5	3605.9	3649.3	3775.3	4054.1	4215.2
40°	3143.3	3137.1	3133.0	3188.7	3327.1	3422.1	3473.7	3517.1	3614.2	3841.3	4105.7
42.5°	3042.1	3035.9	3015.3	3029.7	3097.9	3256.9	3335.4	3382.9	3463.4	3618.3	3985.9
45°	2936.8	2926.4	2918.2	2903.7	2928.5	3017.3	3178.4	3248.6	3294.1	3432.4	3835.2
47.5°	2829.4	2814.9	2804.6	2792.2	2777.7	2819.1	2971.9	3097.9	3176.3	3263.1	3653.4
50°	2676.6	2695.1	2682.7	2668.3	2655.9	2647.6	2711.7	2918.2	3015.3	3085.5	3432.4
52.5°	1261.9	2453.5	2556.8	2542.3	2525.8	2511.3	2525.8	2682.7	2858.3	2914.1	3166.0
55°	718.7	1092.5	2273.8	2403.9	2389.5	2368.8	2356.4	2410.1	2672.4	2746.8	2922.3
57.5°	691.9	693.9	1003.7	2166.4	2247.0	2228.4	2213.9	2226.3	2449.4	2575.4	2709.6
60°	669.1	669.1	669.1	958.3	2071.4	2077.6	2059.0	2038.4	2135.5	2383.3	2494.8
62.5°	619.6	632.0	638.2	638.2	945.9	1918.6	1900.0	1893.8	1898.0	2152.0	2280.0
65°	555.5	584.5	596.9	605.1	605.1	993.4	1736.9	1726.5	1712.1	1809.2	2063.2
67.5°	485.3	514.2	541.1	557.6	559.7	578.3	1036.8	1555.1	1534.5	1536.5	1831.9
70°	413.0	437.8	466.7	491.5	514.2	524.6	541.1	1290.8	1358.9	1330.0	1569.6
72.5°	357.3	367.6	388.3	413.0	439.9	464.7	479.1	514.2	1179.3	1148.3	1193.7
75°	297.4	305.7	320.1	336.6	357.3	386.2	411.0	435.8	625.8	962.4	956.2
77.5°	231.3	245.8	262.3	272.6	282.9	303.6	336.6	361.4	386.2	650.6	766.2
80°	177.6	187.9	196.2	206.5	218.9	233.4	245.8	274.7	303.6	326.3	586.5
82.5°	132.2	138.4	144.6	148.7	152.8	161.1	183.8	194.1	212.7	233.4	276.7
85°	92.9	97.1	101.2	103.3	105.3	107.4	115.7	117.7	136.3	140.4	167.3
87.5°	59.9	62.0	66.1	68.2	68.2	70.2	72.3	72.3	72.3	68.2	82.6
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	4506.4	4506.4
2.5°	4508.4	4541.5
5°	4502.2	4545.6
7.5°	4485.7	4527.0
10°	4460.9	4510.5
12.5°	4434.1	4481.6
15°	4411.4	4446.5
17.5°	4386.6	4407.2
20°	4353.5	4370.0
22.5°	4320.5	4312.2
25°	4283.3	4264.7
27.5°	4235.8	4200.7
30°	4192.4	4130.5
32.5°	4151.1	4049.9
35°	4095.4	3967.3
37.5°	4037.5	3882.7
40°	3969.4	3785.6
42.5°	3897.1	3688.5
45°	3806.2	3595.6
47.5°	3725.7	3484.1
50°	3614.2	3364.3
52.5°	3477.9	3252.8
55°	3316.8	3116.4
57.5°	3143.3	2973.9
60°	2957.4	2810.8
62.5°	2732.3	2641.4
65°	2468.0	2447.3
67.5°	2123.1	2232.5
70°	1741.0	1986.8
72.5°	1456.0	1726.5
75°	1193.7	1435.3
77.5°	945.9	1125.6
80°	590.7	824.0
82.5°	396.5	541.1
85°	239.6	258.2
87.5°	92.9	95.0
90°	0.0	0.0

(END OF REPORT)