

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-LD5-120SL-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-LD5-120SL-RW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

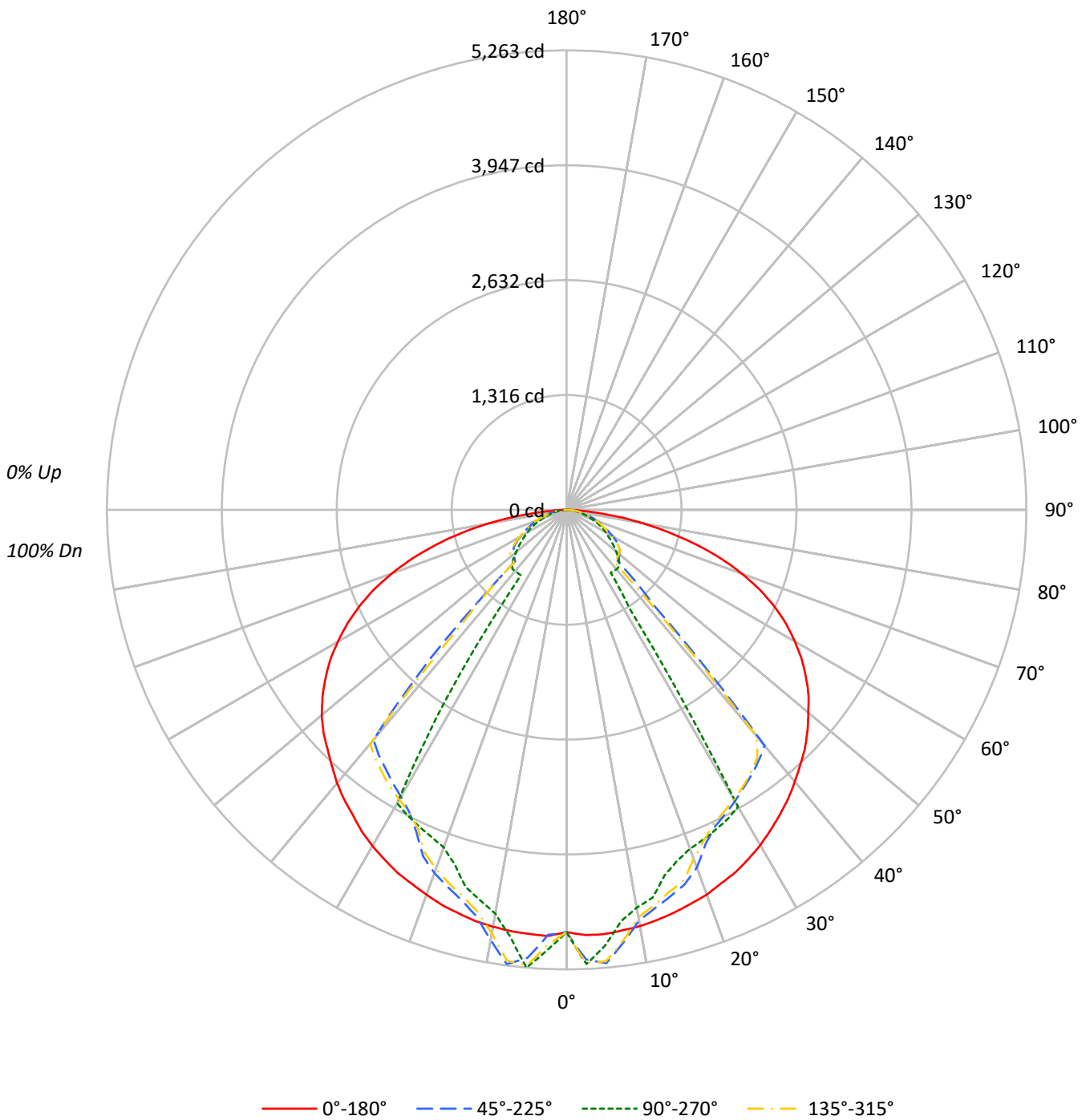
Lumens per Lamp: N/A
Luminaire Lumens: 9686.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 92
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	
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°	19544	19544	19544	19544
5°	19762	19691	19753	20666
10°	19809	17803	19836	18076
15°	19881	16471	19927	16994
20°	20055	15623	20055	15564
25°	20260	15324	20289	15181
30°	20500	15054	20551	14875
35°	20777	3429	20820	3576
40°	21155	3565	21282	3681
45°	21714	3546	21789	3675
50°	22284	3206	22585	3292
55°	23050	2846	23233	2887
60°	23738	2529	23790	2562
65°	24300	2207	24239	2172
70°	24156	1779	24081	1714
75°	22726	1369	22889	1311
80°	18906	973	19662	890
85°	10900	583	11509	447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.9	4.9
10°-20°	1308.5	13.5
20°-30°	1938.1	20.0
30°-40°	1952.8	20.2
40°-50°	1525.4	15.7
50°-60°	1178.3	12.2
60°-70°	791.1	8.2
70°-80°	403.6	4.2
80°-90°	112.3	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°	3722.5	38.4
0°-40°	5675.3	58.6
0°-60°	8379.1	86.5
0°-90°	9686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9686.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4837	4837	4837	4837	4837	
5°	4879	5014	4877	5263	4879	464
15°	4773	4334	4784	4471	4773	1350
25°	4578	4039	4584	4001	4578	2112
35°	4258	878	4267	916	4258	2669
45°	3859	853	3873	884	3859	2976
55°	3345	621	3372	630	3345	2988
65°	2627	417	2620	410	2627	2583
75°	1541	211	1552	202	1541	1611
85°	277	66	293	51	277	381
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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	4874.6	4892.4	4905.7	4914.5	4919.0	4919.0	4921.2	4923.4	4952.2	4965.5	4974.4
5°	4879.1	4896.8	4923.4	4958.9	4989.9	5016.5	5038.7	5069.7	5100.7	5134.0	5145.1
7.5°	4859.1	4881.3	4934.5	4998.8	5058.6	5100.7	5129.5	5149.5	5165.0	5167.2	5178.3
10°	4841.4	4881.3	4954.4	5038.7	5114.0	5165.0	5165.0	5153.9	5169.5	5109.6	5049.7
12.5°	4810.3	4854.7	4954.4	5065.3	5136.2	5156.2	5147.3	5102.9	5012.1	4938.9	4905.7
15°	4772.7	4832.5	4956.6	5080.8	5140.6	5147.3	5063.0	4950.0	4881.3	4836.9	4781.5
17.5°	4730.5	4810.3	4958.9	5083.0	5105.2	5074.1	4914.5	4843.6	4772.7	4668.5	4593.1
20°	4690.6	4768.2	4941.1	5052.0	5065.3	4925.6	4801.5	4726.1	4606.4	4515.5	4482.3
22.5°	4628.6	4719.5	4925.6	5009.8	4958.9	4797.0	4677.3	4557.6	4449.0	4422.4	4382.5
25°	4577.6	4672.9	4890.1	4958.9	4823.6	4679.6	4539.9	4400.2	4349.3	4311.6	4276.1
27.5°	4508.9	4626.3	4843.6	4865.8	4679.6	4553.2	4349.3	4287.2	4240.6	4198.5	4183.0
30°	4433.5	4577.6	4779.3	4737.2	4559.8	4373.6	4222.9	4165.3	4132.0	4087.7	4069.9
32.5°	4347.0	4504.4	4708.4	4588.7	4431.3	4198.5	4101.0	4056.6	4012.3	3979.1	3868.2
35°	4258.4	4440.1	4624.1	4446.8	4276.1	4065.5	3979.1	3939.2	3897.0	3775.1	3659.8
37.5°	4167.5	4369.2	4522.2	4293.8	4069.9	3928.1	3854.9	3810.6	3715.3	3560.1	3502.5
40°	4063.3	4282.8	4391.4	4136.4	3890.4	3788.4	3719.7	3675.4	3460.3	3391.6	3373.9
42.5°	3959.1	4198.5	4231.8	3983.5	3741.9	3639.9	3582.3	3436.0	3289.7	3254.2	3260.8
45°	3859.4	4107.6	4056.6	3766.3	3586.7	3502.5	3404.9	3203.2	3125.6	3143.3	3147.8
47.5°	3739.7	3999.0	3872.7	3549.0	3427.1	3342.9	3125.6	3003.7	2992.6	3017.0	3030.3
50°	3611.1	3877.1	3677.6	3351.7	3254.2	3154.4	2908.4	2846.3	2859.6	2884.0	2899.5
52.5°	3491.4	3739.7	3475.9	3167.7	3083.5	2855.2	2688.9	2700.0	2722.2	2751.0	2759.8
55°	3345.1	3573.4	3260.8	2981.5	2901.7	2602.5	2527.1	2553.7	2575.9	2600.2	2618.0
57.5°	3192.1	3382.8	3005.9	2773.1	2644.6	2378.6	2385.2	2403.0	2418.5	2447.3	1010.8
60°	3017.0	3165.5	2726.6	2580.3	2325.4	2201.2	2207.9	2238.9	2254.4	1259.1	696.1
62.5°	2835.2	2912.8	2473.9	2360.8	2032.8	2023.9	2054.9	2068.2	1407.6	665.0	651.7
65°	2626.8	2611.3	2225.6	2046.1	1833.2	1842.1	1875.4	1808.9	622.9	622.9	618.5
67.5°	2396.3	2303.2	1984.0	1693.6	1640.4	1660.3	1695.8	591.9	576.4	580.8	565.3
70°	2132.5	2001.7	1733.5	1434.2	1452.0	1471.9	571.9	536.5	529.8	518.7	487.7
72.5°	1853.2	1673.6	1418.7	1245.8	1256.9	789.2	501.0	483.3	461.1	438.9	405.7
75°	1540.6	1307.9	1041.9	1041.9	1057.4	450.0	436.7	407.9	383.5	354.7	334.7
77.5°	1208.1	1006.4	809.1	840.1	410.1	376.8	352.5	321.4	301.5	283.7	272.7
80°	884.5	702.7	609.6	545.3	319.2	286.0	261.6	243.8	235.0	223.9	210.6
82.5°	580.8	423.4	423.4	257.1	223.9	197.3	190.6	177.3	168.5	161.8	155.2
85°	277.1	246.1	186.2	157.4	139.7	126.4	121.9	115.3	115.3	113.1	110.8
87.5°	102.0	110.8	82.0	79.8	75.4	73.2	75.4	75.4	77.6	75.4	73.2
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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	4996.5	5014.3	5027.6	5049.7	5078.6	5102.9	5125.1	5156.2	5204.9	5218.2	5229.3
5°	5145.1	5151.7	5167.2	5185.0	5189.4	5200.5	5198.3	5211.6	5218.2	5233.7	5200.5
7.5°	5153.9	5118.5	5076.3	5038.7	5012.1	4987.7	4972.2	4996.5	5009.8	5020.9	4987.7
10°	4967.7	4925.6	4901.2	4879.1	4852.5	4814.8	4763.8	4774.9	4770.4	4770.4	4759.4
12.5°	4850.2	4790.4	4728.3	4672.9	4648.5	4646.3	4648.5	4672.9	4672.9	4670.7	4657.4
15°	4666.2	4608.6	4577.6	4564.3	4564.3	4557.6	4557.6	4584.2	4577.6	4577.6	4570.9
17.5°	4544.3	4504.4	4482.3	4466.7	4460.1	4471.2	4484.5	4495.6	4497.8	4488.9	4453.4
20°	4444.6	4406.9	4380.3	4384.7	4382.5	4389.2	4395.8	4358.1	4311.6	4249.5	4220.7
22.5°	4340.4	4311.6	4291.6	4291.6	4265.0	4222.9	4160.8	4147.5	4140.9	4112.1	4087.7
25°	4240.6	4207.4	4178.6	4089.9	4034.5	4041.1	4030.0	4007.9	4005.7	4003.4	4012.3
27.5°	4140.9	4054.4	3943.6	3930.3	3908.1	3905.9	3919.2	3930.3	3930.3	3939.2	3950.2
30°	3934.7	3835.0	3815.0	3790.6	3799.5	3830.5	3837.2	3852.7	3857.1	3872.7	3881.5
32.5°	3746.3	3702.0	3684.2	3695.3	3724.1	3750.7	3766.3	3772.9	3784.0	3797.3	3808.4
35°	3593.3	3580.0	3595.6	3619.9	3648.8	3670.9	3684.2	3697.5	3708.6	3719.7	3728.6
37.5°	3480.3	3489.2	3511.3	3542.4	3571.2	3588.9	3600.0	3615.5	3631.0	3644.3	3591.1
40°	3373.9	3396.1	3420.4	3453.7	3478.1	3495.8	3506.9	3526.8	3393.8	1536.2	842.4
42.5°	3280.8	3305.2	3322.9	3349.5	3376.1	3389.4	3291.9	1469.7	831.3	826.8	837.9
45°	3167.7	3187.7	3216.5	3236.4	3260.8	2141.4	818.0	826.8	813.5	822.4	826.8
47.5°	3052.5	3083.5	3099.0	2957.1	880.0	813.5	804.7	813.5	804.7	815.8	809.1
50°	2921.7	2959.4	2105.9	795.8	789.2	784.7	793.6	789.2	795.8	804.7	786.9
52.5°	2788.7	1726.8	771.4	767.0	771.4	767.0	782.5	771.4	773.6	764.8	742.6
55°	944.3	747.0	740.4	738.2	751.5	751.5	751.5	733.7	722.7	700.5	685.0
57.5°	722.7	722.7	720.4	722.7	718.2	713.8	693.8	678.3	662.8	631.8	622.9
60°	685.0	685.0	685.0	685.0	665.0	656.2	625.1	611.8	585.2	569.7	560.8
62.5°	653.9	649.5	629.6	622.9	600.7	576.4	558.6	545.3	518.7	509.9	503.2
65°	609.6	594.1	569.7	543.1	532.0	505.4	496.6	476.6	463.3	456.6	452.2
67.5°	536.5	514.3	494.3	476.6	456.6	447.8	436.7	421.2	412.3	407.9	403.4
70°	458.9	443.3	423.4	412.3	399.0	392.4	376.8	372.4	365.8	359.1	352.5
72.5°	383.5	374.6	365.8	350.2	345.8	341.4	325.9	317.0	308.1	299.3	294.8
75°	321.4	314.8	310.3	297.0	290.4	277.1	266.0	259.4	252.7	246.1	241.6
77.5°	263.8	259.4	246.1	237.2	232.8	221.7	217.2	219.5	215.0	206.2	201.7
80°	206.2	201.7	190.6	190.6	186.2	181.8	177.3	172.9	168.5	161.8	157.4
82.5°	157.4	153.0	148.5	144.1	139.7	137.4	135.2	130.8	126.4	121.9	119.7
85°	110.8	108.6	106.4	104.2	102.0	99.8	97.5	93.1	88.7	86.5	84.2
87.5°	75.4	73.2	70.9	68.7	66.5	64.3	62.1	59.9	55.4	53.2	51.0
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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	5229.3	5240.4	5229.3	5204.9	5189.4	5182.8	5196.1	5196.1	5204.9	5216.0	5218.2
5°	5147.3	5120.7	5089.6	5058.6	5043.1	5034.2	5009.8	5014.3	5020.9	5025.4	5029.8
7.5°	4943.3	4907.9	4865.8	4825.9	4810.3	4797.0	4768.2	4768.2	4768.2	4770.4	4783.7
10°	4735.0	4719.5	4701.7	4675.1	4655.2	4648.5	4624.1	4630.8	4626.3	4633.0	4648.5
12.5°	4637.4	4619.7	4604.2	4577.6	4555.4	4546.5	4535.5	4542.1	4539.9	4551.0	4564.3
15°	4548.8	4539.9	4522.2	4502.2	4482.3	4464.5	4424.6	4411.3	4402.5	4391.4	4406.9
17.5°	4402.5	4340.4	4298.3	4267.2	4245.1	4229.6	4218.5	4218.5	4225.1	4231.8	4245.1
20°	4202.9	4185.2	4165.3	4132.0	4109.8	4101.0	4094.3	4094.3	4105.4	4114.3	4138.7
22.5°	4065.5	4063.3	4056.6	4041.1	4030.0	4030.0	4032.3	4036.7	4052.2	4065.5	4089.9
25°	4001.2	4010.1	4005.7	3996.8	3990.1	3992.4	3987.9	3992.4	4007.9	4021.2	4041.1
27.5°	3950.2	3963.5	3959.1	3945.8	3934.7	3939.2	3945.8	3941.4	3954.7	3970.2	3985.7
30°	3881.5	3883.7	3892.6	3877.1	3872.7	3879.3	3881.5	3886.0	3899.3	3910.3	3923.6
32.5°	3803.9	3821.7	3819.5	3803.9	3803.9	3810.6	3812.8	3664.3	3387.2	2917.2	2788.7
35°	3728.6	3748.5	3715.3	3132.3	2168.0	1157.1	893.3	862.3	869.0	873.4	877.8
37.5°	2757.6	1307.9	833.5	840.1	846.8	853.4	860.1	866.7	873.4	880.0	882.3
40°	829.1	826.8	833.5	842.4	849.0	853.4	862.3	869.0	875.6	882.3	884.5
42.5°	820.2	824.6	831.3	840.1	849.0	857.9	864.5	873.4	877.8	882.3	884.5
45°	815.8	824.6	833.5	840.1	846.8	851.2	855.7	857.9	855.7	855.7	860.1
47.5°	809.1	818.0	820.2	818.0	820.2	818.0	818.0	818.0	811.3	809.1	809.1
50°	784.7	784.7	780.3	771.4	769.2	767.0	762.6	760.3	751.5	749.3	749.3
52.5°	733.7	731.5	724.9	713.8	709.4	704.9	702.7	700.5	691.6	687.2	689.4
55°	673.9	669.5	662.8	649.5	647.3	642.9	640.6	638.4	629.6	634.0	627.3
57.5°	618.5	609.6	600.7	598.5	589.7	587.4	585.2	583.0	576.4	578.6	574.1
60°	552.0	549.8	545.3	536.5	536.5	534.2	534.2	529.8	525.4	523.2	523.2
62.5°	503.2	496.6	492.1	492.1	485.5	485.5	485.5	481.0	476.6	478.8	476.6
65°	450.0	447.8	445.6	441.1	441.1	438.9	438.9	434.5	427.8	430.0	425.6
67.5°	405.7	401.2	396.8	394.6	385.7	381.3	379.1	376.8	368.0	370.2	365.8
70°	350.2	343.6	339.2	334.7	328.1	323.6	323.6	319.2	312.6	314.8	310.3
72.5°	292.6	288.2	283.7	281.5	274.9	272.7	270.4	268.2	261.6	263.8	261.6
75°	243.8	243.8	241.6	239.4	232.8	226.1	221.7	219.5	215.0	217.2	212.8
77.5°	201.7	197.3	192.9	192.9	186.2	181.8	177.3	177.3	177.3	175.1	172.9
80°	157.4	153.0	153.0	150.7	146.3	141.9	139.7	139.7	137.4	137.4	135.2
82.5°	119.7	115.3	113.1	113.1	108.6	106.4	104.2	102.0	102.0	102.0	99.8
85°	84.2	79.8	77.6	77.6	73.2	70.9	70.9	68.7	68.7	66.5	66.5
87.5°	51.0	48.8	46.6	46.6	42.1	39.9	39.9	39.9	37.7	37.7	35.5
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	5218.2	5218.2	5202.7	5207.1	5200.5	5209.4	5198.3	5198.3	5211.6	5211.6	5220.4
5°	5032.0	5020.9	5018.7	5014.3	4992.1	5001.0	4989.9	4978.8	4994.3	4994.3	5014.3
7.5°	4777.1	4757.1	4766.0	4752.7	4739.4	4719.5	4726.1	4717.2	4728.3	4743.8	4763.8
10°	4646.3	4628.6	4639.6	4626.3	4633.0	4604.2	4606.4	4608.6	4619.7	4624.1	4641.9
12.5°	4562.1	4557.6	4553.2	4548.8	4553.2	4537.7	4528.8	4531.0	4535.5	4537.7	4551.0
15°	4384.7	4355.9	4364.8	4333.7	4336.0	4338.2	4320.4	4338.2	4336.0	4364.8	4391.4
17.5°	4240.6	4240.6	4225.1	4211.8	4202.9	4200.7	4187.4	4196.3	4187.4	4205.2	4211.8
20°	4140.9	4138.7	4136.4	4129.8	4107.6	4109.8	4116.5	4096.5	4094.3	4092.1	4105.4
22.5°	4094.3	4096.5	4087.7	4087.7	4067.7	4072.2	4074.4	4052.2	4054.4	4047.8	4054.4
25°	4045.6	4050.0	4038.9	4038.9	4034.5	4032.3	4021.2	4025.6	4012.3	4001.2	4012.3
27.5°	3987.9	3996.8	3987.9	3992.4	3983.5	3979.1	3972.4	3968.0	3954.7	3952.5	3959.1
30°	3934.7	3939.2	3936.9	3925.9	3923.6	3910.3	3917.0	3903.7	3890.4	3892.6	3897.0
32.5°	2017.2	1926.4	1485.2	1341.1	1327.8	1376.6	1631.5	1986.2	2573.6	3143.3	3553.4
35°	880.0	880.0	880.0	877.8	877.8	875.6	873.4	871.2	869.0	866.7	864.5
37.5°	884.5	884.5	884.5	884.5	882.3	880.0	880.0	875.6	873.4	871.2	869.0
40°	886.7	888.9	888.9	888.9	886.7	886.7	884.5	880.0	877.8	873.4	869.0
42.5°	884.5	886.7	886.7	884.5	884.5	882.3	882.3	880.0	877.8	875.6	873.4
45°	855.7	857.9	853.4	853.4	851.2	851.2	851.2	851.2	851.2	853.4	853.4
47.5°	804.7	804.7	802.5	800.2	800.2	798.0	800.2	798.0	802.5	804.7	809.1
50°	744.8	744.8	740.4	738.2	738.2	738.2	738.2	740.4	742.6	747.0	751.5
52.5°	682.8	682.8	680.5	678.3	676.1	676.1	682.8	680.5	682.8	685.0	691.6
55°	622.9	625.1	620.7	620.7	618.5	618.5	618.5	620.7	622.9	625.1	631.8
57.5°	571.9	571.9	567.5	567.5	567.5	565.3	571.9	567.5	569.7	571.9	576.4
60°	520.9	518.7	518.7	516.5	516.5	516.5	520.9	518.7	518.7	520.9	525.4
62.5°	474.4	474.4	472.2	472.2	470.0	470.0	474.4	472.2	472.2	474.4	476.6
65°	421.2	421.2	419.0	416.7	423.4	416.7	423.4	419.0	423.4	425.6	430.0
67.5°	361.3	361.3	361.3	359.1	359.1	363.5	365.8	361.3	363.5	368.0	370.2
70°	308.1	308.1	305.9	305.9	305.9	310.3	312.6	308.1	310.3	312.6	317.0
72.5°	261.6	257.1	257.1	254.9	259.4	259.4	261.6	259.4	261.6	261.6	266.0
75°	215.0	210.6	210.6	210.6	215.0	212.8	215.0	212.8	215.0	215.0	217.2
77.5°	172.9	170.7	168.5	168.5	172.9	172.9	172.9	170.7	172.9	175.1	177.3
80°	135.2	133.0	130.8	130.8	135.2	135.2	135.2	137.4	135.2	137.4	139.7
82.5°	99.8	97.5	95.3	99.8	99.8	99.8	99.8	102.0	99.8	102.0	104.2
85°	66.5	64.3	62.1	66.5	66.5	66.5	66.5	68.7	66.5	68.7	70.9
87.5°	35.5	33.3	33.3	35.5	35.5	35.5	37.7	37.7	37.7	39.9	39.9
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	5233.7	5240.4	5238.2	5224.9	5211.6	5196.1	5185.0	5187.2	5209.4	5216.0	5196.1
5°	5014.3	5056.4	5056.4	5085.2	5069.7	5056.4	5065.3	5114.0	5138.4	5176.1	5189.4
7.5°	4788.2	4808.1	4805.9	4834.7	4830.3	4830.3	4836.9	4901.2	4932.3	4963.3	4972.2
10°	4661.8	4681.8	4679.6	4681.8	4675.1	4659.6	4659.6	4688.4	4715.0	4730.5	4735.0
12.5°	4570.9	4582.0	4579.8	4579.8	4575.4	4562.1	4559.8	4584.2	4613.0	4633.0	4635.2
15°	4435.7	4466.7	4473.4	4502.2	4495.6	4477.8	4482.3	4502.2	4519.9	4537.7	4531.0
17.5°	4234.0	4249.5	4251.7	4262.8	4258.4	4258.4	4285.0	4358.1	4406.9	4449.0	4453.4
20°	4118.7	4129.8	4125.4	4149.7	4138.7	4136.4	4143.1	4174.1	4196.3	4216.3	4251.7
22.5°	4063.3	4072.2	4065.5	4067.7	4047.8	4030.0	4025.6	4050.0	4074.4	4101.0	4101.0
25°	4016.7	4023.4	4021.2	4016.7	4001.2	3976.8	3972.4	3976.8	3985.7	3987.9	3972.4
27.5°	3961.3	3965.8	3965.8	3968.0	3948.0	3925.9	3921.4	3917.0	3925.9	3923.6	3899.3
30°	3903.7	3897.0	3899.3	3901.5	3883.7	3863.8	3854.9	3852.7	3861.6	3859.4	3835.0
32.5°	3766.3	3817.2	3821.7	3826.1	3810.6	3792.9	3784.0	3777.3	3781.8	3779.6	3757.4
35°	862.3	877.8	1075.1	2434.0	3305.2	3659.8	3697.5	3688.7	3690.9	3690.9	3673.1
37.5°	864.5	862.3	860.1	853.4	846.8	842.4	1456.4	3105.7	3597.8	3600.0	3584.5
40°	864.5	862.3	860.1	855.7	846.8	840.1	829.1	820.2	840.1	1848.8	3382.8
42.5°	869.0	864.5	860.1	855.7	846.8	837.9	829.1	818.0	824.6	820.2	809.1
45°	855.7	853.4	853.4	851.2	846.8	837.9	826.8	813.5	806.9	813.5	802.5
47.5°	813.5	815.8	822.4	824.6	824.6	826.8	820.2	811.3	800.2	806.9	793.6
50°	755.9	760.3	762.6	773.6	778.1	786.9	789.2	789.2	786.9	795.8	786.9
52.5°	693.8	698.3	709.4	713.8	718.2	731.5	736.0	742.6	747.0	760.3	769.2
55°	634.0	636.2	640.6	649.5	656.2	667.2	673.9	680.5	691.6	698.3	724.9
57.5°	578.6	580.8	589.7	591.9	596.3	605.2	611.8	620.7	629.6	634.0	665.0
60°	525.4	527.6	534.2	536.5	538.7	547.5	554.2	560.8	567.5	571.9	594.1
62.5°	478.8	478.8	485.5	485.5	487.7	494.3	498.8	503.2	509.9	512.1	523.2
65°	432.3	434.5	438.9	438.9	441.1	445.6	447.8	450.0	456.6	456.6	465.5
67.5°	374.6	376.8	383.5	387.9	390.1	399.0	401.2	403.4	407.9	410.1	414.5
70°	319.2	321.4	328.1	330.3	332.5	339.2	343.6	350.2	356.9	363.5	368.0
72.5°	268.2	270.4	277.1	277.1	283.7	286.0	290.4	292.6	299.3	303.7	310.3
75°	219.5	221.7	228.3	228.3	235.0	237.2	239.4	241.6	246.1	250.5	254.9
77.5°	179.6	179.6	188.4	192.9	197.3	197.3	199.5	199.5	199.5	201.7	206.2
80°	141.9	141.9	148.5	153.0	157.4	157.4	159.6	161.8	164.0	164.0	166.3
82.5°	106.4	106.4	113.1	115.3	119.7	119.7	119.7	121.9	124.1	121.9	126.4
85°	73.2	73.2	77.6	79.8	84.2	84.2	84.2	86.5	88.7	86.5	88.7
87.5°	42.1	44.3	46.6	48.8	51.0	53.2	53.2	53.2	55.4	55.4	57.6
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	5173.9	5147.3	5145.1	5114.0	5105.2	5107.4	5083.0	5074.1	5034.2	5025.4	4983.2
5°	5193.8	5207.1	5200.5	5198.3	5204.9	5200.5	5182.8	5173.9	5167.2	5149.5	5114.0
7.5°	4974.4	4983.2	4989.9	5018.7	5043.1	5085.2	5129.5	5158.4	5180.5	5185.0	5156.2
10°	4750.5	4792.6	4821.4	4865.8	4901.2	4925.6	4952.2	4976.6	5040.9	5105.2	5142.9
12.5°	4635.2	4646.3	4644.1	4668.5	4692.9	4757.1	4819.2	4854.7	4903.4	4932.3	5001.0
15°	4537.7	4539.9	4546.5	4564.3	4577.6	4599.7	4628.6	4681.8	4779.3	4823.6	4861.3
17.5°	4449.0	4449.0	4453.4	4469.0	4486.7	4506.6	4524.4	4546.5	4595.3	4668.5	4761.6
20°	4307.1	4369.2	4375.9	4373.6	4382.5	4420.2	4424.6	4464.5	4488.9	4517.7	4608.6
22.5°	4096.5	4134.2	4187.4	4269.5	4300.5	4318.2	4331.5	4349.3	4386.9	4420.2	4457.9
25°	3981.3	4005.7	4021.2	4045.6	4109.8	4214.0	4234.0	4253.9	4278.3	4302.7	4349.3
27.5°	3879.3	3877.1	3888.2	3910.3	3928.1	3983.5	4081.0	4158.6	4163.0	4198.5	4238.4
30°	3806.2	3792.9	3777.3	3772.9	3797.3	3826.1	3854.9	3976.8	4061.1	4078.8	4120.9
32.5°	3737.4	3715.3	3693.1	3675.4	3659.8	3684.2	3702.0	3755.2	3863.8	3965.8	3987.9
35°	3653.2	3631.0	3604.4	3584.5	3560.1	3557.9	3555.7	3606.6	3642.1	3764.0	3870.4
37.5°	3566.7	3542.4	3520.2	3498.0	3473.6	3455.9	3444.8	3458.1	3491.4	3544.6	3721.9
40°	3475.9	3447.0	3424.9	3407.1	3373.9	3360.6	3338.4	3329.6	3331.8	3378.3	3471.4
42.5°	2077.1	3311.8	3322.9	3303.0	3274.1	3256.4	3232.0	3220.9	3198.8	3220.9	3274.1
45°	800.2	809.1	2422.9	3201.0	3165.5	3143.3	3121.2	3110.1	3085.7	3068.0	3116.7
47.5°	784.7	793.6	775.9	1099.5	3021.4	3028.1	3001.5	2990.4	2966.0	2952.7	2939.4
50°	773.6	780.3	767.0	771.4	755.9	2768.7	2879.6	2866.3	2839.7	2824.1	2797.5
52.5°	762.6	762.6	753.7	742.6	738.2	740.4	2329.8	2739.9	2708.9	2693.3	2657.9
55°	727.1	731.5	740.4	722.7	718.2	716.0	709.4	2219.0	2564.8	2547.0	2516.0
57.5°	673.9	682.8	707.1	702.7	702.7	685.0	680.5	680.5	2059.4	2398.5	2367.5
60°	611.8	620.7	647.3	656.2	662.8	658.4	653.9	651.7	642.9	2170.2	2210.1
62.5°	547.5	556.4	565.3	594.1	603.0	614.0	627.3	620.7	611.8	611.8	2043.8
65°	478.8	492.1	496.6	523.2	534.2	554.2	565.3	580.8	576.4	574.1	585.2
67.5°	419.0	434.5	436.7	447.8	467.7	476.6	489.9	518.7	532.0	536.5	540.9
70°	368.0	376.8	383.5	387.9	401.2	403.4	427.8	447.8	467.7	489.9	496.6
72.5°	317.0	323.6	336.9	332.5	336.9	345.8	359.1	372.4	392.4	423.4	443.3
75°	259.4	263.8	272.7	277.1	286.0	292.6	301.5	312.6	330.3	345.8	372.4
77.5°	208.4	210.6	217.2	219.5	228.3	235.0	250.5	257.1	268.2	279.3	294.8
80°	168.5	168.5	170.7	170.7	177.3	184.0	195.1	201.7	215.0	223.9	223.9
82.5°	128.6	128.6	135.2	135.2	139.7	139.7	146.3	146.3	153.0	157.4	161.8
85°	90.9	93.1	97.5	95.3	99.8	97.5	102.0	106.4	108.6	106.4	104.2
87.5°	59.9	59.9	64.3	62.1	64.3	64.3	68.7	68.7	70.9	70.9	68.7
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	4967.7	4934.5	4914.5	4890.1	4883.5	4876.8	4885.7	4885.7	4872.4	4861.3	4841.4
5°	5083.0	5047.5	5009.8	4969.9	4932.3	4892.4	4876.8	4874.6	4850.2	4836.9	4830.3
7.5°	5142.9	5125.1	5083.0	5027.6	4969.9	4899.0	4868.0	4850.2	4825.9	4821.4	4821.4
10°	5149.5	5129.5	5107.4	5067.5	5001.0	4907.9	4848.0	4812.6	4790.4	4805.9	4834.7
12.5°	5085.2	5122.9	5102.9	5076.3	5023.1	4910.1	4823.6	4770.4	4763.8	4803.7	4879.1
15°	4921.2	5032.0	5087.4	5060.8	5018.7	4905.7	4783.7	4721.7	4721.7	4803.7	4901.2
17.5°	4797.0	4883.5	5018.7	5040.9	4992.1	4896.8	4746.1	4672.9	4692.9	4812.6	4916.7
20°	4695.1	4748.3	4879.1	5003.2	4956.6	4876.8	4690.6	4615.3	4655.2	4799.3	4938.9
22.5°	4535.5	4641.9	4721.7	4905.7	4921.2	4839.2	4635.2	4544.3	4624.1	4799.3	4927.8
25°	4380.3	4508.9	4593.1	4772.7	4868.0	4792.6	4584.2	4469.0	4590.9	4792.6	4919.0
27.5°	4271.7	4331.5	4484.5	4613.0	4788.2	4730.5	4515.5	4386.9	4548.8	4757.1	4868.0
30°	4156.4	4196.3	4347.0	4469.0	4681.8	4659.6	4444.6	4296.1	4495.6	4723.9	4735.0
32.5°	4030.0	4074.4	4152.0	4329.3	4533.2	4593.1	4364.8	4205.2	4437.9	4672.9	4579.8
35°	3901.5	3934.7	3996.8	4187.4	4360.3	4493.3	4267.2	4101.0	4398.0	4595.3	4431.3
37.5°	3772.9	3808.4	3861.6	4021.2	4178.6	4400.2	4183.0	3996.8	4324.9	4457.9	4276.1
40°	3651.0	3670.9	3726.3	3826.1	4027.8	4304.9	4087.7	3888.2	4249.5	4282.8	4065.5
42.5°	3427.1	3526.8	3577.8	3657.6	3857.1	4174.1	3976.8	3772.9	4165.3	4107.6	3854.9
45°	3185.5	3402.7	3424.9	3504.7	3706.4	4034.5	3872.7	3659.8	4085.5	3956.9	3655.4
47.5°	2988.2	3145.6	3274.1	3340.6	3526.8	3870.4	3775.1	3564.5	3965.8	3766.3	3460.3
50°	2813.1	2897.3	3130.0	3178.8	3311.8	3673.1	3659.8	3453.7	3799.5	3526.8	3269.7
52.5°	2642.4	2702.2	2912.8	3017.0	3125.6	3460.3	3522.4	3345.1	3617.7	3287.4	3076.8
55°	2493.8	2513.8	2629.1	2848.5	2946.1	3245.3	3371.7	3218.7	3387.2	3059.1	2890.6
57.5°	2340.9	2323.1	2407.4	2688.9	2759.8	3025.9	3212.1	3090.1	3201.0	2826.4	2697.8
60°	2181.3	2156.9	2192.4	2378.6	2562.6	2808.6	3023.6	2948.3	2974.9	2595.8	2482.8
62.5°	2015.0	1990.6	1979.6	2097.0	2369.7	2584.7	2833.0	2790.9	2697.8	2385.2	2216.7
65°	1842.1	1817.7	1800.0	1846.5	2156.9	2294.3	2620.2	2609.1	2394.1	2163.5	1866.5
67.5°	560.8	1653.7	1616.0	1613.8	1817.7	2030.5	2389.7	2371.9	2088.2	1926.4	1607.1
70°	505.4	1341.1	1425.4	1405.4	1494.1	1762.3	2125.9	2112.6	1791.1	1545.1	1420.9
72.5°	463.3	474.4	1259.1	1236.9	1256.9	1498.5	1851.0	1815.5	1518.5	1219.2	1228.1
75°	396.8	416.7	434.5	1044.1	1017.5	1241.4	1551.7	1496.3	1252.5	1006.4	1026.4
77.5°	323.6	348.0	361.3	760.3	822.4	884.5	1239.2	1166.0	862.3	804.7	383.5
80°	241.6	261.6	283.7	303.7	625.1	618.5	919.9	846.8	600.7	501.0	299.3
82.5°	177.3	184.0	197.3	219.5	248.3	414.5	591.9	520.9	416.7	228.3	206.2
85°	110.8	119.7	126.4	133.0	150.7	248.3	292.6	232.8	175.1	139.7	130.8
87.5°	70.9	70.9	68.7	70.9	73.2	88.7	99.8	95.3	75.4	70.9	70.9
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	4819.2	4788.2	4788.2	4779.3	4786.0	4786.0	4783.7	4786.0	4801.5	4810.3	4825.9
5°	4817.0	4808.1	4828.1	4852.5	4881.3	4916.7	4925.6	4956.6	4985.5	5023.1	5063.0
7.5°	4845.8	4876.8	4914.5	4954.4	5012.1	5054.2	5091.9	5129.5	5156.2	5191.6	5213.8
10°	4887.9	4950.0	5014.3	5065.3	5127.3	5162.8	5187.2	5191.6	5153.9	5094.1	5045.3
12.5°	4947.8	5020.9	5080.8	5129.5	5158.4	5145.1	5074.1	5001.0	4958.9	4896.8	4810.3
15°	4998.8	5065.3	5127.3	5107.4	5029.8	4956.6	4901.2	4814.8	4730.5	4672.9	4635.2
17.5°	5020.9	5085.2	5063.0	4958.9	4885.7	4801.5	4688.4	4621.9	4566.5	4522.2	4500.0
20°	5034.2	5023.1	4903.4	4828.1	4686.2	4608.6	4535.5	4473.4	4431.3	4409.1	4404.7
22.5°	4998.8	4863.5	4761.6	4626.3	4522.2	4457.9	4400.2	4349.3	4320.4	4302.7	4291.6
25°	4881.3	4723.9	4573.1	4466.7	4378.1	4322.7	4278.3	4236.2	4200.7	4191.9	4169.7
27.5°	4717.2	4588.7	4389.2	4307.1	4229.6	4202.9	4154.2	4112.1	4081.0	4054.4	3983.5
30°	4582.0	4378.1	4234.0	4158.6	4112.1	4081.0	4025.6	3981.3	3928.1	3830.5	3790.6
32.5°	4415.8	4214.0	4076.6	4034.5	3976.8	3950.2	3888.2	3790.6	3708.6	3668.7	3666.5
35°	4200.7	4034.5	3934.7	3897.0	3850.5	3806.2	3677.6	3588.9	3549.0	3553.4	3586.7
37.5°	4021.2	3872.7	3808.4	3755.2	3702.0	3588.9	3480.3	3438.2	3449.3	3471.4	3486.9
40°	3839.4	3726.3	3653.2	3611.1	3491.4	3380.5	3322.9	3338.4	3358.4	3373.9	3393.8
42.5°	3662.1	3582.3	3509.1	3427.1	3263.0	3203.2	3216.5	3236.4	3254.2	3276.4	3296.3
45°	3493.6	3422.7	3338.4	3152.2	3070.2	3085.7	3105.7	3121.2	3147.8	3163.3	3183.2
47.5°	3334.0	3258.6	3110.1	2946.1	2937.2	2968.2	2986.0	3005.9	3025.9	2986.0	1647.0
50°	3154.4	3076.8	2850.7	2788.7	2808.6	2837.4	2859.6	2879.6	2564.8	1019.7	784.7
52.5°	2977.1	2779.8	2635.7	2653.4	2673.4	2706.6	2722.2	2021.7	804.7	767.0	769.2
55°	2779.8	2527.1	2485.0	2507.1	2524.9	2558.1	1695.8	742.6	738.2	736.0	753.7
57.5°	2469.5	2316.5	2334.2	2356.4	2374.1	1675.9	722.7	718.2	720.4	722.7	724.9
60°	2192.4	2159.1	2179.1	2199.0	1556.2	698.3	685.0	687.2	696.1	689.4	671.7
62.5°	1972.9	1999.5	2019.5	1769.0	662.8	656.2	662.8	656.2	640.6	629.6	607.4
65°	1804.4	1831.0	1846.5	622.9	620.7	629.6	622.9	600.7	576.4	545.3	538.7
67.5°	1627.1	1653.7	591.9	576.4	585.2	574.1	547.5	520.9	503.2	476.6	465.5
70°	1443.1	618.5	536.5	534.2	518.7	501.0	472.2	445.6	423.4	412.3	401.2
72.5°	1041.9	489.9	483.3	465.5	438.9	414.5	390.1	374.6	363.5	356.9	350.2
75°	434.5	425.6	405.7	374.6	348.0	336.9	319.2	308.1	303.7	290.4	286.0
77.5°	363.5	345.8	317.0	294.8	279.3	272.7	259.4	246.1	239.4	237.2	228.3
80°	279.3	254.9	241.6	230.5	226.1	210.6	195.1	188.4	184.0	181.8	175.1
82.5°	190.6	181.8	172.9	157.4	157.4	150.7	144.1	139.7	135.2	135.2	130.8
85°	124.1	117.5	115.3	108.6	108.6	104.2	102.0	99.8	97.5	95.3	93.1
87.5°	70.9	70.9	73.2	70.9	70.9	68.7	66.5	64.3	62.1	62.1	57.6
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	4845.8	4868.0	4872.4	4947.8	4989.9	4987.7	4974.4	5014.3	4989.9	4976.6	4989.9
5°	5102.9	5129.5	5151.7	5233.7	5262.6	5275.9	5273.6	5295.8	5278.1	5262.6	5262.6
7.5°	5229.3	5238.2	5247.0	5227.1	5213.8	5191.6	5158.4	5109.6	5085.2	5058.6	5025.4
10°	5020.9	4992.1	5003.2	4963.3	4930.0	4905.7	4874.6	4834.7	4801.5	4777.1	4739.4
12.5°	4766.0	4763.8	4768.2	4774.9	4741.6	4721.7	4697.3	4668.5	4644.1	4617.5	4586.4
15°	4610.8	4613.0	4630.8	4624.1	4613.0	4602.0	4575.4	4566.5	4544.3	4515.5	4497.8
17.5°	4500.0	4511.1	4528.8	4519.9	4502.2	4491.1	4471.2	4451.2	4431.3	4409.1	4382.5
20°	4402.5	4413.5	4424.6	4413.5	4380.3	4364.8	4338.2	4276.1	4231.8	4187.4	4147.5
22.5°	4296.1	4302.7	4293.8	4258.4	4174.1	4134.2	4103.2	4085.5	4047.8	4023.4	3999.0
25°	4163.0	4125.4	4067.7	4027.8	3994.6	3976.8	3963.5	3961.3	3956.9	3952.5	3941.4
27.5°	3945.8	3932.5	3901.5	3886.0	3888.2	3894.8	3897.0	3903.7	3897.0	3888.2	3879.3
30°	3784.0	3790.6	3792.9	3797.3	3808.4	3815.0	3817.2	3826.1	3821.7	3815.0	3810.6
32.5°	3682.0	3697.5	3706.4	3719.7	3726.3	3737.4	3737.4	3750.7	3737.4	3735.2	3730.8
35°	3597.8	3611.1	3615.5	3635.5	3642.1	3653.2	3653.2	3664.3	3653.2	3540.1	2795.3
37.5°	3513.5	3526.8	3535.7	3553.4	3555.7	3562.3	3287.4	2405.2	1551.7	1201.5	917.7
40°	3413.8	3429.3	3438.2	3444.8	2420.7	1536.2	1057.4	860.1	860.1	866.7	873.4
42.5°	3307.4	3318.5	2312.1	1345.6	837.9	835.7	842.4	849.0	855.7	864.5	873.4
45°	2600.2	1312.3	833.5	813.5	820.2	829.1	837.9	846.8	857.9	866.7	871.2
47.5°	853.4	800.2	811.3	802.5	813.5	824.6	833.5	842.4	844.6	846.8	844.6
50°	789.2	789.2	795.8	795.8	804.7	809.1	809.1	809.1	800.2	798.0	791.4
52.5°	762.6	780.3	771.4	775.9	771.4	764.8	758.1	751.5	738.2	733.7	724.9
55°	749.3	755.9	733.7	727.1	718.2	700.5	691.6	682.8	671.7	667.2	656.2
57.5°	718.2	702.7	678.3	667.2	651.7	634.0	625.1	618.5	607.4	603.0	596.3
60°	660.6	629.6	614.0	600.7	583.0	567.5	560.8	556.4	547.5	545.3	538.7
62.5°	589.7	563.1	549.8	532.0	518.7	509.9	503.2	501.0	492.1	492.1	487.7
65°	512.1	498.8	487.7	470.0	463.3	454.4	452.2	450.0	445.6	443.3	438.9
67.5°	450.0	441.1	425.6	416.7	412.3	405.7	401.2	396.8	387.9	383.5	376.8
70°	394.6	387.9	372.4	365.8	356.9	345.8	339.2	334.7	328.1	323.6	317.0
72.5°	341.4	321.4	310.3	303.7	297.0	286.0	283.7	279.3	272.7	270.4	263.8
75°	274.9	259.4	252.7	248.3	241.6	235.0	235.0	235.0	228.3	226.1	223.9
77.5°	219.5	210.6	206.2	201.7	199.5	195.1	188.4	186.2	179.6	179.6	177.3
80°	168.5	164.0	159.6	157.4	155.2	150.7	146.3	144.1	137.4	137.4	135.2
82.5°	124.1	121.9	119.7	117.5	115.3	113.1	106.4	104.2	99.8	99.8	97.5
85°	88.7	86.5	82.0	79.8	79.8	77.6	70.9	68.7	64.3	64.3	64.3
87.5°	55.4	53.2	51.0	48.8	46.6	44.3	39.9	37.7	37.7	33.3	31.0
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	4963.3	5001.0	4996.5	5023.1	5029.8	5043.1	5047.5	5049.7	5016.5	5043.1	5045.3
5°	5255.9	5262.6	5267.0	5278.1	5289.2	5291.4	5280.3	5267.0	5271.4	5262.6	5240.4
7.5°	5020.9	4987.7	4981.0	4972.2	4967.7	4963.3	4943.3	4961.1	4941.1	4932.3	4901.2
10°	4732.8	4701.7	4699.5	4699.5	4706.2	4703.9	4699.5	4690.6	4708.4	4697.3	4690.6
12.5°	4582.0	4570.9	4577.6	4573.1	4590.9	4595.3	4590.9	4590.9	4586.4	4577.6	4582.0
15°	4491.1	4482.3	4488.9	4482.3	4495.6	4497.8	4486.7	4493.3	4482.3	4471.2	4466.7
17.5°	4371.4	4351.5	4336.0	4313.8	4316.0	4311.6	4298.3	4298.3	4287.2	4258.4	4260.6
20°	4140.9	4120.9	4112.1	4112.1	4123.1	4127.6	4125.4	4129.8	4118.7	4114.3	4096.5
22.5°	3996.8	3994.6	3999.0	4010.1	4027.8	4052.2	4054.4	4054.4	4054.4	4052.2	4030.0
25°	3945.8	3945.8	3950.2	3965.8	3979.1	3996.8	4001.2	4005.7	4001.2	4001.2	3981.3
27.5°	3888.2	3883.7	3892.6	3908.1	3923.6	3936.9	3948.0	3950.2	3943.6	3943.6	3950.2
30°	3817.2	3815.0	3826.1	3841.6	3854.9	3868.2	3879.3	3888.2	3879.3	3879.3	3872.7
32.5°	3744.1	3744.1	3748.5	3655.4	3389.4	3052.5	3059.1	2864.0	2728.8	2558.1	2784.2
35°	2336.4	1700.2	1460.8	1236.9	1079.6	977.6	975.4	942.1	926.6	915.5	913.3
37.5°	882.3	886.7	895.6	900.0	906.6	911.1	913.3	913.3	913.3	913.3	911.1
40°	880.0	888.9	895.6	902.2	908.9	913.3	913.3	915.5	917.7	917.7	917.7
42.5°	882.3	891.1	900.0	906.6	911.1	913.3	915.5	917.7	917.7	917.7	917.7
45°	880.0	884.5	884.5	886.7	886.7	886.7	888.9	888.9	886.7	884.5	888.9
47.5°	846.8	846.8	840.1	837.9	835.7	831.3	833.5	831.3	829.1	826.8	831.3
50°	789.2	780.3	775.9	771.4	769.2	764.8	767.0	764.8	762.6	758.1	764.8
52.5°	720.4	718.2	709.4	704.9	702.7	704.9	700.5	698.3	696.1	693.8	696.1
55°	653.9	645.1	642.9	638.4	636.2	638.4	636.2	634.0	631.8	629.6	631.8
57.5°	594.1	587.4	585.2	580.8	580.8	580.8	580.8	578.6	576.4	574.1	576.4
60°	536.5	532.0	529.8	529.8	527.6	527.6	527.6	525.4	523.2	523.2	525.4
62.5°	487.7	487.7	481.0	478.8	478.8	481.0	478.8	476.6	474.4	472.2	476.6
65°	436.7	427.8	425.6	421.2	416.7	419.0	416.7	414.5	412.3	410.1	414.5
67.5°	374.6	372.4	363.5	359.1	356.9	359.1	356.9	354.7	352.5	350.2	354.7
70°	314.8	314.8	305.9	303.7	301.5	301.5	299.3	299.3	297.0	294.8	299.3
72.5°	261.6	261.6	259.4	254.9	252.7	250.5	248.3	246.1	246.1	248.3	248.3
75°	217.2	212.8	203.9	206.2	203.9	201.7	201.7	199.5	197.3	201.7	199.5
77.5°	170.7	168.5	161.8	164.0	161.8	159.6	159.6	157.4	155.2	157.4	157.4
80°	128.6	128.6	126.4	124.1	124.1	121.9	119.7	119.7	117.5	119.7	119.7
82.5°	93.1	93.1	90.9	88.7	86.5	86.5	84.2	84.2	84.2	84.2	84.2
85°	59.9	57.6	57.6	53.2	53.2	53.2	51.0	51.0	51.0	51.0	51.0
87.5°	28.8	28.8	26.6	26.6	24.4	22.2	22.2	20.0	20.0	22.2	22.2
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	5005.4	5034.2	5009.8	5020.9	5023.1	5060.8	5058.6	5067.5	5052.0	5034.2	5009.8
5°	5260.3	5247.0	5229.3	5271.4	5249.3	5275.9	5284.7	5302.5	5302.5	5300.2	5280.3
7.5°	4934.5	4905.7	4927.8	4943.3	4950.0	4932.3	4967.7	5007.6	5040.9	5060.8	5063.0
10°	4679.6	4688.4	4686.2	4692.9	4708.4	4706.2	4728.3	4750.5	4759.4	4772.7	4777.1
12.5°	4559.8	4557.6	4562.1	4577.6	4586.4	4584.2	4606.4	4619.7	4624.1	4626.3	4624.1
15°	4464.5	4449.0	4460.1	4462.3	4469.0	4469.0	4495.6	4515.5	4524.4	4528.8	4524.4
17.5°	4285.0	4247.3	4282.8	4282.8	4307.1	4302.7	4344.8	4378.1	4395.8	4409.1	4409.1
20°	4107.6	4089.9	4103.2	4098.8	4116.5	4114.3	4140.9	4163.0	4178.6	4189.6	4202.9
22.5°	4036.7	4041.1	4021.2	4023.4	4023.4	4021.2	4034.5	4045.6	4050.0	4056.6	4052.2
25°	3990.1	3994.6	3987.9	3976.8	3972.4	3976.8	3983.5	3996.8	3999.0	3994.6	3979.1
27.5°	3943.6	3930.3	3941.4	3921.4	3917.0	3925.9	3934.7	3936.9	3939.2	3939.2	3925.9
30°	3872.7	3861.6	3872.7	3863.8	3854.9	3863.8	3870.4	3870.4	3874.9	3877.1	3861.6
32.5°	2706.6	2728.8	3087.9	3305.2	3611.1	3766.3	3795.1	3795.1	3799.5	3799.5	3786.2
35°	922.2	924.4	999.8	1084.0	1263.5	1485.2	1775.6	1926.4	2436.2	3045.8	3635.5
37.5°	911.1	908.9	906.6	904.4	902.2	900.0	895.6	893.3	906.6	1075.1	1458.6
40°	915.5	913.3	908.9	906.6	904.4	900.0	897.8	893.3	888.9	884.5	880.0
42.5°	915.5	913.3	911.1	908.9	906.6	904.4	900.0	895.6	891.1	884.5	877.8
45°	884.5	884.5	886.7	886.7	888.9	888.9	888.9	886.7	886.7	884.5	875.6
47.5°	826.8	826.8	833.5	833.5	837.9	842.4	842.4	846.8	853.4	857.9	860.1
50°	760.3	760.3	767.0	769.2	773.6	780.3	786.9	789.2	795.8	804.7	813.5
52.5°	693.8	693.8	700.5	700.5	704.9	711.6	718.2	720.4	729.3	738.2	749.3
55°	631.8	631.8	636.2	638.4	640.6	645.1	651.7	651.7	660.6	667.2	678.3
57.5°	576.4	580.8	580.8	580.8	583.0	587.4	591.9	591.9	598.5	605.2	614.0
60°	523.2	527.6	527.6	527.6	529.8	532.0	536.5	536.5	540.9	545.3	554.2
62.5°	474.4	478.8	478.8	481.0	481.0	483.3	487.7	485.5	489.9	492.1	498.8
65°	412.3	416.7	419.0	421.2	423.4	427.8	434.5	432.3	438.9	443.3	450.0
67.5°	352.5	356.9	356.9	359.1	361.3	365.8	370.2	370.2	376.8	381.3	390.1
70°	297.0	301.5	301.5	303.7	305.9	310.3	314.8	312.6	319.2	323.6	330.3
72.5°	246.1	250.5	250.5	252.7	252.7	257.1	261.6	266.0	266.0	270.4	274.9
75°	199.5	201.7	203.9	203.9	206.2	208.4	212.8	217.2	219.5	221.7	226.1
77.5°	157.4	159.6	161.8	161.8	164.0	166.3	168.5	177.3	181.8	184.0	184.0
80°	119.7	121.9	121.9	121.9	124.1	126.4	130.8	130.8	139.7	139.7	141.9
82.5°	84.2	86.5	86.5	86.5	88.7	93.1	95.3	97.5	102.0	104.2	104.2
85°	51.0	53.2	53.2	53.2	55.4	57.6	62.1	64.3	66.5	66.5	68.7
87.5°	20.0	22.2	24.4	24.4	26.6	28.8	31.0	33.3	35.5	35.5	37.7
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	4983.2	4998.8	4983.2	4992.1	5003.2	4983.2	4936.7	4919.0	4912.3	4885.7	4868.0
5°	5260.3	5260.3	5253.7	5271.4	5269.2	5238.2	5189.4	5167.2	5145.1	5116.2	5094.1
7.5°	5063.0	5080.8	5091.9	5160.6	5204.9	5209.4	5240.4	5247.0	5255.9	5247.0	5233.7
10°	4779.3	4772.7	4803.7	4868.0	4905.7	4925.6	4985.5	5014.3	5038.7	5087.4	5138.4
12.5°	4619.7	4628.6	4641.9	4688.4	4723.9	4715.0	4739.4	4759.4	4788.2	4836.9	4910.1
15°	4513.3	4522.2	4535.5	4570.9	4593.1	4582.0	4595.3	4608.6	4628.6	4652.9	4697.3
17.5°	4398.0	4413.5	4429.1	4466.7	4486.7	4484.5	4495.6	4500.0	4506.6	4522.2	4553.2
20°	4218.5	4267.2	4298.3	4349.3	4378.1	4373.6	4393.6	4400.2	4409.1	4424.6	4437.9
22.5°	4054.4	4067.7	4083.2	4138.7	4187.4	4247.3	4260.6	4278.3	4300.5	4316.0	4329.3
25°	3961.3	3952.5	3959.1	3996.8	4023.4	4027.8	4047.8	4105.4	4165.3	4191.9	4222.9
27.5°	3905.9	3897.0	3894.8	3912.6	3917.0	3905.9	3901.5	3919.2	3963.5	4007.9	4101.0
30°	3846.1	3835.0	3826.1	3841.6	3848.3	3832.8	3803.9	3788.4	3815.0	3826.1	3863.8
32.5°	3775.1	3764.0	3759.6	3768.5	3772.9	3759.6	3728.6	3710.8	3706.4	3697.5	3706.4
35°	3695.3	3684.2	3677.6	3679.8	3688.7	3677.6	3651.0	3628.8	3617.7	3593.3	3575.6
37.5°	1904.2	2697.8	3502.5	3586.7	3595.6	3593.3	3566.7	3542.4	3531.3	3502.5	3493.6
40°	871.2	973.2	1460.8	1908.6	2753.2	3498.0	3473.6	3449.3	3429.3	3420.4	3387.2
42.5°	869.0	871.2	873.4	862.3	1068.5	1819.9	2686.7	3353.9	3340.6	3318.5	3294.1
45°	869.0	857.9	866.7	853.4	857.9	855.7	1066.3	1720.2	3061.3	3198.8	3187.7
47.5°	860.1	853.4	862.3	851.2	837.9	844.6	835.7	846.8	1321.2	2241.1	3070.2
50°	820.2	824.6	840.1	837.9	826.8	835.7	820.2	833.5	822.4	902.2	1737.9
52.5°	760.3	769.2	784.7	798.0	802.5	813.5	809.1	813.5	804.7	806.9	809.1
55°	689.4	700.5	713.8	733.7	742.6	760.3	773.6	780.3	791.4	789.2	771.4
57.5°	622.9	634.0	645.1	665.0	685.0	693.8	718.2	731.5	760.3	753.7	749.3
60°	560.8	569.7	580.8	585.2	609.6	625.1	647.3	660.6	698.3	707.1	720.4
62.5°	505.4	509.9	518.7	525.4	540.9	556.4	567.5	589.7	609.6	638.4	658.4
65°	454.4	458.9	465.5	470.0	472.2	494.3	501.0	525.4	532.0	563.1	580.8
67.5°	396.8	405.7	414.5	419.0	423.4	436.7	441.1	452.2	467.7	481.0	503.2
70°	336.9	343.6	352.5	359.1	368.0	376.8	390.1	396.8	407.9	416.7	434.5
72.5°	281.5	288.2	292.6	299.3	305.9	312.6	323.6	339.2	348.0	363.5	368.0
75°	228.3	235.0	239.4	243.8	250.5	254.9	259.4	274.9	283.7	297.0	310.3
77.5°	188.4	188.4	192.9	206.2	203.9	203.9	208.4	217.2	223.9	232.8	246.1
80°	146.3	148.5	150.7	161.8	164.0	166.3	164.0	170.7	177.3	179.6	188.4
82.5°	108.6	110.8	110.8	117.5	124.1	124.1	124.1	126.4	133.0	135.2	139.7
85°	73.2	75.4	77.6	79.8	84.2	86.5	88.7	88.7	93.1	95.3	97.5
87.5°	39.9	44.3	46.6	48.8	51.0	53.2	55.4	57.6	59.9	62.1	64.3
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-LD5-120SL-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°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	4861.3	4850.2	4843.6	4825.9	4821.4	4792.6	4797.0	4792.6	4792.6	4799.3	4821.4
5°	5069.7	5016.5	5003.2	4965.5	4934.5	4881.3	4848.0	4830.3	4803.7	4792.6	4808.1
7.5°	5211.6	5171.7	5138.4	5105.2	5060.8	4998.8	4952.2	4899.0	4854.7	4812.6	4801.5
10°	5187.2	5231.5	5231.5	5211.6	5169.5	5107.4	5052.0	4985.5	4907.9	4841.4	4801.5
12.5°	4981.0	5058.6	5120.7	5167.2	5209.4	5167.2	5111.8	5058.6	4972.2	4874.6	4801.5
15°	4754.9	4834.7	4912.3	5009.8	5111.8	5153.9	5151.7	5089.6	5012.1	4910.1	4808.1
17.5°	4595.3	4650.7	4692.9	4799.3	4923.4	5032.0	5105.2	5109.6	5034.2	4943.3	4810.3
20°	4475.6	4515.5	4551.0	4610.8	4719.5	4852.5	4987.7	5063.0	5049.7	4950.0	4817.0
22.5°	4367.0	4395.8	4424.6	4469.0	4555.4	4641.9	4799.3	4954.4	5020.9	4938.9	4810.3
25°	4258.4	4289.4	4311.6	4342.6	4411.3	4482.3	4593.1	4786.0	4934.5	4930.0	4797.0
27.5°	4129.8	4171.9	4198.5	4240.6	4287.2	4340.4	4415.8	4597.5	4810.3	4885.7	4761.6
30°	3974.6	4036.7	4076.6	4123.1	4163.0	4209.6	4269.5	4380.3	4644.1	4799.3	4723.9
32.5°	3750.7	3861.6	3950.2	3994.6	4038.9	4078.8	4132.0	4225.1	4440.1	4681.8	4681.8
35°	3591.1	3642.1	3721.9	3850.5	3905.9	3945.8	3994.6	4067.7	4205.2	4542.1	4613.0
37.5°	3467.0	3486.9	3526.8	3653.2	3757.4	3821.7	3870.4	3917.0	4052.2	4351.5	4524.4
40°	3373.9	3367.2	3362.8	3422.7	3571.2	3673.1	3728.6	3775.1	3879.3	4123.1	4406.9
42.5°	3265.3	3258.6	3236.4	3252.0	3325.1	3495.8	3580.0	3631.0	3717.5	3883.7	4278.3
45°	3152.2	3141.1	3132.3	3116.7	3143.3	3238.7	3411.6	3486.9	3535.7	3684.2	4116.5
47.5°	3036.9	3021.4	3010.3	2997.0	2981.5	3025.9	3189.9	3325.1	3409.4	3502.5	3921.4
50°	2872.9	2892.9	2879.6	2864.0	2850.7	2841.9	2910.6	3132.3	3236.4	3311.8	3684.2
52.5°	1354.4	2633.5	2744.3	2728.8	2711.1	2695.6	2711.1	2879.6	3068.0	3127.8	3398.3
55°	771.4	1172.7	2440.6	2580.3	2564.8	2542.6	2529.3	2586.9	2868.5	2948.3	3136.7
57.5°	742.6	744.8	1077.3	2325.4	2411.8	2391.9	2376.4	2389.7	2629.1	2764.3	2908.4
60°	718.2	718.2	718.2	1028.6	2223.4	2230.0	2210.1	2187.9	2292.1	2558.1	2677.8
62.5°	665.0	678.3	685.0	685.0	1015.3	2059.4	2039.4	2032.8	2037.2	2309.8	2447.3
65°	596.3	627.3	640.6	649.5	649.5	1066.3	1864.3	1853.2	1837.7	1941.9	2214.5
67.5°	520.9	552.0	580.8	598.5	600.7	620.7	1112.8	1669.2	1647.0	1649.3	1966.3
70°	443.3	470.0	501.0	527.6	552.0	563.1	580.8	1385.5	1458.6	1427.6	1684.7
72.5°	383.5	394.6	416.7	443.3	472.2	498.8	514.3	552.0	1265.8	1232.5	1281.3
75°	319.2	328.1	343.6	361.3	383.5	414.5	441.1	467.7	671.7	1033.0	1026.4
77.5°	248.3	263.8	281.5	292.6	303.7	325.9	361.3	387.9	414.5	698.3	822.4
80°	190.6	201.7	210.6	221.7	235.0	250.5	263.8	294.8	325.9	350.2	629.6
82.5°	141.9	148.5	155.2	159.6	164.0	172.9	197.3	208.4	228.3	250.5	297.0
85°	99.8	104.2	108.6	110.8	113.1	115.3	124.1	126.4	146.3	150.7	179.6
87.5°	64.3	66.5	70.9	73.2	73.2	75.4	77.6	77.6	77.6	73.2	88.7
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-LD5-120SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	4836.9	4836.9
2.5°	4839.2	4874.6
5°	4832.5	4879.1
7.5°	4814.8	4859.1
10°	4788.2	4841.4
12.5°	4759.4	4810.3
15°	4735.0	4772.7
17.5°	4708.4	4730.5
20°	4672.9	4690.6
22.5°	4637.4	4628.6
25°	4597.5	4577.6
27.5°	4546.5	4508.9
30°	4500.0	4433.5
32.5°	4455.7	4347.0
35°	4395.8	4258.4
37.5°	4333.7	4167.5
40°	4260.6	4063.3
42.5°	4183.0	3959.1
45°	4085.5	3859.4
47.5°	3999.0	3739.7
50°	3879.3	3611.1
52.5°	3733.0	3491.4
55°	3560.1	3345.1
57.5°	3373.9	3192.1
60°	3174.4	3017.0
62.5°	2932.8	2835.2
65°	2649.0	2626.8
67.5°	2278.8	2396.3
70°	1868.7	2132.5
72.5°	1562.8	1853.2
75°	1281.3	1540.6
77.5°	1015.3	1208.1
80°	634.0	884.5
82.5°	425.6	580.8
85°	257.1	277.1
87.5°	99.8	102.0
90°	0.0	0.0

(END OF REPORT)