

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-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-120SL-RW-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

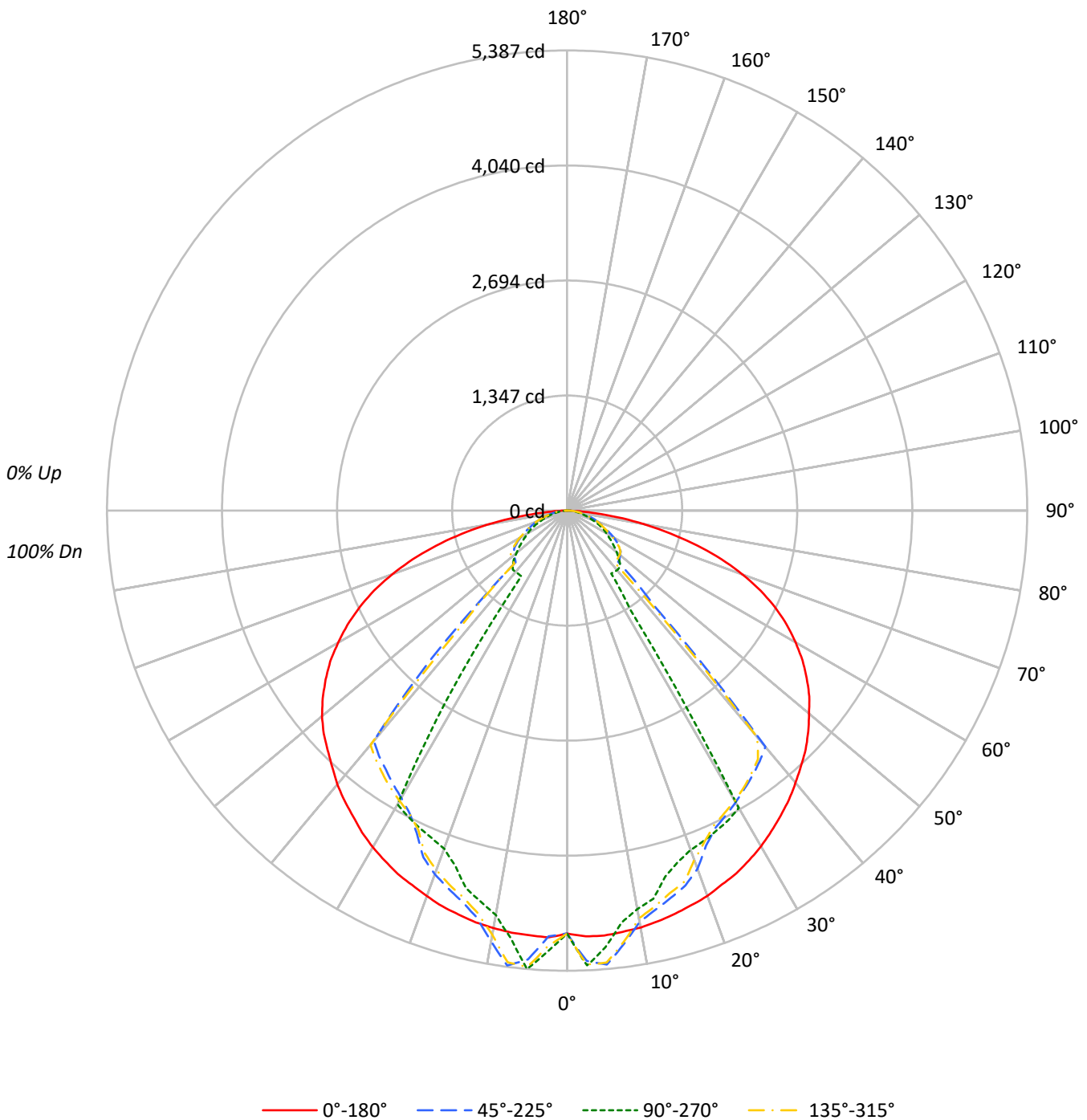
Lumens per Lamp: N/A
Luminaire Lumens: 9915.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20006	20006	20006	20006
5°	20229	20156	20220	21155
10°	20277	18224	20305	18503
15°	20351	16861	20398	17396
20°	20529	15992	20529	15932
25°	20739	15686	20769	15540
30°	20984	15410	21037	15227
35°	21268	3510	21313	3661
40°	21655	3650	21785	3768
45°	22227	3629	22304	3762
50°	22811	3282	23119	3371
55°	23595	2914	23782	2955
60°	24299	2589	24352	2622
65°	24874	2260	24811	2224
70°	24727	1821	24650	1755
75°	23264	1402	23431	1343
80°	19352	996	20128	911
85°	11155	597	11781	457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.2	4.9
10°-20°	1339.4	13.5
20°-30°	1984.0	20.0
30°-40°	1999.0	20.2
40°-50°	1561.5	15.7
50°-60°	1206.2	12.2
60°-70°	809.8	8.2
70°-80°	413.1	4.2
80°-90°	114.9	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°	3810.5	38.4
0°-40°	5809.5	58.6
0°-60°	8577.2	86.5
0°-90°	9915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9915.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4951	4951	4951	4951	4951	
5°	4994	5133	4992	5387	4994	475
15°	4886	4436	4897	4577	4886	1382
25°	4686	4134	4693	4096	4686	2161
35°	4359	899	4368	937	4359	2732
45°	3951	874	3964	905	3951	3046
55°	3424	635	3451	644	3424	3058
65°	2689	427	2682	420	2689	2645
75°	1577	216	1588	206	1577	1649
85°	284	68	300	52	284	390
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	4989.9	5008.0	5021.6	5030.7	5035.3	5035.3	5037.5	5039.8	5069.3	5082.9	5092.0
5°	4994.4	5012.6	5039.8	5076.1	5107.9	5135.1	5157.8	5189.6	5221.3	5255.4	5266.7
7.5°	4974.0	4996.7	5051.1	5116.9	5178.2	5221.3	5250.8	5271.2	5287.1	5289.4	5300.7
10°	4955.8	4996.7	5071.6	5157.8	5234.9	5287.1	5287.1	5275.8	5291.7	5230.4	5169.1
12.5°	4924.1	4969.4	5071.6	5185.0	5257.6	5278.1	5269.0	5223.6	5130.6	5055.7	5021.6
15°	4885.5	4946.8	5073.8	5200.9	5262.2	5269.0	5182.7	5067.0	4996.7	4951.3	4894.6
17.5°	4842.4	4924.1	5076.1	5203.2	5225.9	5194.1	5030.7	4958.1	4885.5	4778.8	4701.7
20°	4801.5	4881.0	5057.9	5171.4	5185.0	5042.1	4915.0	4837.8	4715.3	4622.3	4588.2
22.5°	4738.0	4831.0	5042.1	5128.3	5076.1	4910.5	4787.9	4665.4	4554.2	4527.0	4486.1
25°	4685.8	4783.4	5005.8	5076.1	4937.7	4790.2	4647.2	4504.3	4452.1	4413.5	4377.2
27.5°	4615.5	4735.7	4958.1	4980.8	4790.2	4660.8	4452.1	4388.5	4340.9	4297.8	4281.9
30°	4538.3	4685.8	4892.3	4849.2	4667.7	4477.0	4322.7	4263.7	4229.7	4184.3	4166.2
32.5°	4449.8	4610.9	4819.7	4697.2	4536.0	4297.8	4197.9	4152.6	4107.2	4073.1	3959.7
35°	4359.0	4545.1	4733.5	4551.9	4377.2	4161.6	4073.1	4032.3	3989.2	3864.4	3746.4
37.5°	4266.0	4472.5	4629.1	4395.4	4166.2	4020.9	3946.1	3900.7	3803.1	3644.3	3585.3
40°	4159.4	4384.0	4495.2	4234.2	3982.4	3878.0	3807.6	3762.3	3542.2	3471.8	3453.7
42.5°	4052.7	4297.8	4331.8	4077.7	3830.3	3726.0	3667.0	3517.2	3367.4	3331.1	3337.9
45°	3950.6	4204.7	4152.6	3855.3	3671.5	3585.3	3485.4	3278.9	3199.5	3217.7	3222.2
47.5°	3828.1	4093.6	3964.2	3632.9	3508.1	3421.9	3199.5	3074.7	3063.4	3088.3	3101.9
50°	3696.5	3968.8	3764.5	3431.0	3331.1	3229.0	2977.1	2913.6	2927.2	2952.2	2968.1
52.5°	3573.9	3828.1	3558.0	3242.6	3156.4	2922.7	2752.5	2763.8	2786.5	2816.0	2825.1
55°	3424.2	3657.9	3337.9	3052.0	2970.3	2664.0	2586.8	2614.1	2636.8	2661.7	2679.9
57.5°	3267.6	3462.7	3077.0	2838.7	2707.1	2434.8	2441.6	2459.8	2475.6	2505.1	1034.7
60°	3088.3	3240.4	2791.1	2641.3	2380.3	2253.3	2260.1	2291.8	2307.7	1288.9	712.5
62.5°	2902.2	2981.7	2532.4	2416.6	2080.8	2071.7	2103.5	2117.1	1440.9	680.7	667.1
65°	2688.9	2673.1	2278.2	2094.4	1876.6	1885.7	1919.7	1851.6	637.6	637.6	633.1
67.5°	2453.0	2357.7	2030.9	1733.6	1679.2	1699.6	1735.9	605.9	590.0	594.5	578.6
70°	2182.9	2049.0	1774.5	1468.1	1486.3	1506.7	585.4	549.1	542.3	531.0	499.2
72.5°	1897.0	1713.2	1452.3	1275.3	1286.6	807.8	512.8	494.7	472.0	449.3	415.3
75°	1577.1	1338.8	1066.5	1066.5	1082.4	460.6	447.0	417.5	392.6	363.1	342.6
77.5°	1236.7	1030.2	828.2	860.0	419.8	385.8	360.8	329.0	308.6	290.5	279.1
80°	905.4	719.3	624.0	558.2	326.8	292.7	267.8	249.6	240.5	229.2	215.6
82.5°	594.5	433.4	433.4	263.2	229.2	202.0	195.1	181.5	172.5	165.6	158.8
85°	283.6	251.9	190.6	161.1	143.0	129.3	124.8	118.0	118.0	115.7	113.5
87.5°	104.4	113.5	84.0	81.7	77.2	74.9	77.2	77.2	79.4	77.2	74.9
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°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	5114.7	5132.8	5146.4	5169.1	5198.6	5223.6	5246.3	5278.1	5328.0	5341.6	5352.9
5°	5266.7	5273.5	5289.4	5307.6	5312.1	5323.4	5321.2	5334.8	5341.6	5357.5	5323.4
7.5°	5275.8	5239.5	5196.4	5157.8	5130.6	5105.6	5089.7	5114.7	5128.3	5139.6	5105.6
10°	5085.2	5042.1	5017.1	4994.4	4967.2	4928.6	4876.4	4887.8	4883.2	4883.2	4871.9
12.5°	4964.9	4903.6	4840.1	4783.4	4758.4	4756.1	4758.4	4783.4	4783.4	4781.1	4767.5
15°	4776.6	4717.6	4685.8	4672.2	4672.2	4665.4	4665.4	4692.6	4685.8	4685.8	4679.0
17.5°	4651.8	4610.9	4588.2	4572.3	4565.5	4576.9	4590.5	4601.8	4604.1	4595.0	4558.7
20°	4549.7	4511.1	4483.8	4488.4	4486.1	4492.9	4499.7	4461.2	4413.5	4350.0	4320.5
22.5°	4443.0	4413.5	4393.1	4393.1	4365.9	4322.7	4259.2	4245.6	4238.8	4209.3	4184.3
25°	4340.9	4306.9	4277.4	4186.6	4129.9	4136.7	4125.3	4102.6	4100.4	4098.1	4107.2
27.5°	4238.8	4150.3	4036.8	4023.2	4000.5	3998.3	4011.9	4023.2	4023.2	4032.3	4043.6
30°	4027.7	3925.6	3905.2	3880.3	3889.3	3921.1	3927.9	3943.8	3948.3	3964.2	3973.3
32.5°	3834.9	3789.5	3771.3	3782.7	3812.2	3839.4	3855.3	3862.1	3873.4	3887.1	3898.4
35°	3678.3	3664.7	3680.6	3705.5	3735.0	3757.7	3771.3	3785.0	3796.3	3807.6	3816.7
37.5°	3562.6	3571.6	3594.3	3626.1	3655.6	3673.8	3685.1	3701.0	3716.9	3730.5	3676.0
40°	3453.7	3476.3	3501.3	3535.3	3560.3	3578.5	3589.8	3610.2	3474.1	1572.5	862.3
42.5°	3358.3	3383.3	3401.5	3428.7	3455.9	3469.5	3369.7	1504.4	850.9	846.4	857.7
45°	3242.6	3263.0	3292.5	3313.0	3337.9	2192.0	837.3	846.4	832.8	841.9	846.4
47.5°	3124.6	3156.4	3172.3	3027.1	900.9	832.8	823.7	832.8	823.7	835.0	828.2
50°	2990.7	3029.3	2155.7	814.6	807.8	803.3	812.4	807.8	814.6	823.7	805.5
52.5°	2854.6	1767.7	789.7	785.1	789.7	785.1	801.0	789.7	791.9	782.9	760.2
55°	966.7	764.7	757.9	755.6	769.2	769.2	769.2	751.1	739.7	717.1	701.2
57.5°	739.7	739.7	737.5	739.7	735.2	730.7	710.2	694.4	678.5	646.7	637.6
60°	701.2	701.2	701.2	701.2	680.7	671.7	639.9	626.3	599.1	583.2	574.1
62.5°	669.4	664.9	644.4	637.6	614.9	590.0	571.8	558.2	531.0	521.9	515.1
65°	624.0	608.1	583.2	555.9	544.6	517.4	508.3	487.9	474.3	467.4	462.9
67.5°	549.1	526.4	506.0	487.9	467.4	458.4	447.0	431.1	422.1	417.5	413.0
70°	469.7	453.8	433.4	422.1	408.4	401.6	385.8	381.2	374.4	367.6	360.8
72.5°	392.6	383.5	374.4	358.5	354.0	349.4	333.6	324.5	315.4	306.3	301.8
75°	329.0	322.2	317.7	304.1	297.3	283.6	272.3	265.5	258.7	251.9	247.3
77.5°	270.0	265.5	251.9	242.8	238.3	226.9	222.4	224.6	220.1	211.0	206.5
80°	211.0	206.5	195.1	195.1	190.6	186.1	181.5	177.0	172.5	165.6	161.1
82.5°	161.1	156.6	152.0	147.5	143.0	140.7	138.4	133.9	129.3	124.8	122.5
85°	113.5	111.2	108.9	106.7	104.4	102.1	99.8	95.3	90.8	88.5	86.2
87.5°	77.2	74.9	72.6	70.3	68.1	65.8	63.5	61.3	56.7	54.5	52.2
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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	5352.9	5364.3	5352.9	5328.0	5312.1	5305.3	5318.9	5318.9	5328.0	5339.3	5341.6
5°	5269.0	5241.7	5210.0	5178.2	5162.3	5153.3	5128.3	5132.8	5139.6	5144.2	5148.7
7.5°	5060.2	5023.9	4980.8	4940.0	4924.1	4910.5	4881.0	4881.0	4881.0	4883.2	4896.8
10°	4846.9	4831.0	4812.9	4785.6	4765.2	4758.4	4733.5	4740.3	4735.7	4742.5	4758.4
12.5°	4747.1	4728.9	4713.0	4685.8	4663.1	4654.0	4642.7	4649.5	4647.2	4658.6	4672.2
15°	4656.3	4647.2	4629.1	4608.7	4588.2	4570.1	4529.2	4515.6	4506.5	4495.2	4511.1
17.5°	4506.5	4443.0	4399.9	4368.1	4345.4	4329.5	4318.2	4318.2	4325.0	4331.8	4345.4
20°	4302.3	4284.2	4263.7	4229.7	4207.0	4197.9	4191.1	4191.1	4202.5	4211.6	4236.5
22.5°	4161.6	4159.4	4152.6	4136.7	4125.3	4125.3	4127.6	4132.1	4148.0	4161.6	4186.6
25°	4095.8	4104.9	4100.4	4091.3	4084.5	4086.7	4082.2	4086.7	4102.6	4116.2	4136.7
27.5°	4043.6	4057.2	4052.7	4039.1	4027.7	4032.3	4039.1	4034.6	4048.2	4064.1	4079.9
30°	3973.3	3975.6	3984.6	3968.8	3964.2	3971.0	3973.3	3977.8	3991.4	4002.8	4016.4
32.5°	3893.9	3912.0	3909.8	3893.9	3893.9	3900.7	3902.9	3750.9	3467.3	2986.2	2854.6
35°	3816.7	3837.1	3803.1	3206.3	2219.2	1184.5	914.5	882.7	889.5	894.0	898.6
37.5°	2822.8	1338.8	853.2	860.0	866.8	873.6	880.4	887.2	894.0	900.9	903.1
40°	848.7	846.4	853.2	862.3	869.1	873.6	882.7	889.5	896.3	903.1	905.4
42.5°	839.6	844.1	850.9	860.0	869.1	878.2	885.0	894.0	898.6	903.1	905.4
45°	835.0	844.1	853.2	860.0	866.8	871.4	875.9	878.2	875.9	875.9	880.4
47.5°	828.2	837.3	839.6	837.3	839.6	837.3	837.3	837.3	830.5	828.2	828.2
50°	803.3	803.3	798.7	789.7	787.4	785.1	780.6	778.3	769.2	767.0	767.0
52.5°	751.1	748.8	742.0	730.7	726.1	721.6	719.3	717.1	708.0	703.4	705.7
55°	689.8	685.3	678.5	664.9	662.6	658.1	655.8	653.5	644.4	649.0	642.2
57.5°	633.1	624.0	614.9	612.7	603.6	601.3	599.1	596.8	590.0	592.2	587.7
60°	565.0	562.8	558.2	549.1	549.1	546.9	546.9	542.3	537.8	535.5	535.5
62.5°	515.1	508.3	503.8	503.8	496.9	496.9	496.9	492.4	487.9	490.1	487.9
65°	460.6	458.4	456.1	451.6	451.6	449.3	449.3	444.8	437.9	440.2	435.7
67.5°	415.3	410.7	406.2	403.9	394.8	390.3	388.0	385.8	376.7	378.9	374.4
70°	358.5	351.7	347.2	342.6	335.8	331.3	331.3	326.8	320.0	322.2	317.7
72.5°	299.5	295.0	290.5	288.2	281.4	279.1	276.8	274.6	267.8	270.0	267.8
75°	249.6	249.6	247.3	245.1	238.3	231.5	226.9	224.6	220.1	222.4	217.8
77.5°	206.5	202.0	197.4	197.4	190.6	186.1	181.5	181.5	181.5	179.3	177.0
80°	161.1	156.6	156.6	154.3	149.8	145.2	143.0	143.0	140.7	140.7	138.4
82.5°	122.5	118.0	115.7	115.7	111.2	108.9	106.7	104.4	104.4	104.4	102.1
85°	86.2	81.7	79.4	79.4	74.9	72.6	72.6	70.3	70.3	68.1	68.1
87.5°	52.2	49.9	47.7	47.7	43.1	40.8	40.8	40.8	38.6	38.6	36.3
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	5341.6	5341.6	5325.7	5330.2	5323.4	5332.5	5321.2	5321.2	5334.8	5334.8	5343.9
5°	5151.0	5139.6	5137.4	5132.8	5110.1	5119.2	5107.9	5096.5	5112.4	5112.4	5132.8
7.5°	4890.0	4869.6	4878.7	4865.1	4851.5	4831.0	4837.8	4828.8	4840.1	4856.0	4876.4
10°	4756.1	4738.0	4749.3	4735.7	4742.5	4713.0	4715.3	4717.6	4728.9	4733.5	4751.6
12.5°	4669.9	4665.4	4660.8	4656.3	4660.8	4645.0	4635.9	4638.2	4642.7	4645.0	4658.6
15°	4488.4	4458.9	4468.0	4436.2	4438.5	4440.7	4422.6	4440.7	4438.5	4468.0	4495.2
17.5°	4340.9	4340.9	4325.0	4311.4	4302.3	4300.0	4286.4	4295.5	4286.4	4304.6	4311.4
20°	4238.8	4236.5	4234.2	4227.4	4204.7	4207.0	4213.8	4193.4	4191.1	4188.9	4202.5
22.5°	4191.1	4193.4	4184.3	4184.3	4163.9	4168.4	4170.7	4148.0	4150.3	4143.5	4150.3
25°	4141.2	4145.7	4134.4	4134.4	4129.9	4127.6	4116.2	4120.8	4107.2	4095.8	4107.2
27.5°	4082.2	4091.3	4082.2	4086.7	4077.7	4073.1	4066.3	4061.8	4048.2	4045.9	4052.7
30°	4027.7	4032.3	4030.0	4018.7	4016.4	4002.8	4009.6	3996.0	3982.4	3984.6	3989.2
32.5°	2064.9	1971.9	1520.3	1372.8	1359.2	1409.1	1670.1	2033.2	2634.5	3217.7	3637.5
35°	900.9	900.9	900.9	898.6	898.6	896.3	894.0	891.8	889.5	887.2	885.0
37.5°	905.4	905.4	905.4	905.4	903.1	900.9	900.9	896.3	894.0	891.8	889.5
40°	907.7	909.9	909.9	909.9	907.7	907.7	905.4	900.9	898.6	894.0	889.5
42.5°	905.4	907.7	907.7	905.4	905.4	903.1	903.1	900.9	898.6	896.3	894.0
45°	875.9	878.2	873.6	873.6	871.4	871.4	871.4	871.4	871.4	873.6	873.6
47.5°	823.7	823.7	821.4	819.2	819.2	816.9	819.2	816.9	821.4	823.7	828.2
50°	762.4	762.4	757.9	755.6	755.6	755.6	755.6	757.9	760.2	764.7	769.2
52.5°	698.9	698.9	696.6	694.4	692.1	692.1	698.9	696.6	698.9	701.2	708.0
55°	637.6	639.9	635.4	635.4	633.1	633.1	633.1	635.4	637.6	639.9	646.7
57.5°	585.4	585.4	580.9	580.9	580.9	578.6	585.4	580.9	583.2	585.4	590.0
60°	533.3	531.0	531.0	528.7	528.7	528.7	533.3	531.0	531.0	533.3	537.8
62.5°	485.6	485.6	483.3	483.3	481.1	481.1	485.6	483.3	483.3	485.6	487.9
65°	431.1	431.1	428.9	426.6	433.4	426.6	433.4	428.9	433.4	435.7	440.2
67.5°	369.9	369.9	369.9	367.6	367.6	372.1	374.4	369.9	372.1	376.7	378.9
70°	315.4	315.4	313.1	313.1	313.1	317.7	320.0	315.4	317.7	320.0	324.5
72.5°	267.8	263.2	263.2	261.0	265.5	265.5	267.8	265.5	267.8	267.8	272.3
75°	220.1	215.6	215.6	215.6	220.1	217.8	220.1	217.8	220.1	220.1	222.4
77.5°	177.0	174.7	172.5	172.5	177.0	177.0	177.0	174.7	177.0	179.3	181.5
80°	138.4	136.1	133.9	133.9	138.4	138.4	138.4	140.7	138.4	140.7	143.0
82.5°	102.1	99.8	97.6	102.1	102.1	102.1	102.1	104.4	102.1	104.4	106.7
85°	68.1	65.8	63.5	68.1	68.1	68.1	68.1	70.3	68.1	70.3	72.6
87.5°	36.3	34.0	34.0	36.3	36.3	36.3	38.6	38.6	38.6	40.8	40.8
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-LD5-120SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	5357.5	5364.3	5362.0	5348.4	5334.8	5318.9	5307.6	5309.8	5332.5	5339.3	5318.9
5°	5132.8	5175.9	5175.9	5205.4	5189.6	5175.9	5185.0	5234.9	5259.9	5298.5	5312.1
7.5°	4901.4	4921.8	4919.5	4949.0	4944.5	4944.5	4951.3	5017.1	5048.9	5080.6	5089.7
10°	4772.0	4792.5	4790.2	4792.5	4785.6	4769.8	4769.8	4799.3	4826.5	4842.4	4846.9
12.5°	4679.0	4690.3	4688.1	4688.1	4683.5	4669.9	4667.7	4692.6	4722.1	4742.5	4744.8
15°	4540.6	4572.3	4579.2	4608.7	4601.8	4583.7	4588.2	4608.7	4626.8	4645.0	4638.2
17.5°	4334.1	4350.0	4352.2	4363.6	4359.0	4359.0	4386.3	4461.2	4511.1	4554.2	4558.7
20°	4216.1	4227.4	4222.9	4247.9	4236.5	4234.2	4241.1	4272.8	4295.5	4315.9	4352.2
22.5°	4159.4	4168.4	4161.6	4163.9	4143.5	4125.3	4120.8	4145.7	4170.7	4197.9	4197.9
25°	4111.7	4118.5	4116.2	4111.7	4095.8	4070.9	4066.3	4070.9	4079.9	4082.2	4066.3
27.5°	4055.0	4059.5	4059.5	4061.8	4041.4	4018.7	4014.1	4009.6	4018.7	4016.4	3991.4
30°	3996.0	3989.2	3991.4	3993.7	3975.6	3955.1	3946.1	3943.8	3952.9	3950.6	3925.6
32.5°	3855.3	3907.5	3912.0	3916.6	3900.7	3882.5	3873.4	3866.6	3871.2	3868.9	3846.2
35°	882.7	898.6	1100.5	2491.5	3383.3	3746.4	3785.0	3775.9	3778.1	3778.1	3760.0
37.5°	885.0	882.7	880.4	873.6	866.8	862.3	1490.8	3179.1	3682.8	3685.1	3669.2
40°	885.0	882.7	880.4	875.9	866.8	860.0	848.7	839.6	860.0	1892.5	3462.7
42.5°	889.5	885.0	880.4	875.9	866.8	857.7	848.7	837.3	844.1	839.6	828.2
45°	875.9	873.6	873.6	871.4	866.8	857.7	846.4	832.8	826.0	832.8	821.4
47.5°	832.8	835.0	841.9	844.1	844.1	846.4	839.6	830.5	819.2	826.0	812.4
50°	773.8	778.3	780.6	791.9	796.5	805.5	807.8	807.8	805.5	814.6	805.5
52.5°	710.2	714.8	726.1	730.7	735.2	748.8	753.4	760.2	764.7	778.3	787.4
55°	649.0	651.2	655.8	664.9	671.7	683.0	689.8	696.6	708.0	714.8	742.0
57.5°	592.2	594.5	603.6	605.9	610.4	619.5	626.3	635.4	644.4	649.0	680.7
60°	537.8	540.1	546.9	549.1	551.4	560.5	567.3	574.1	580.9	585.4	608.1
62.5°	490.1	490.1	496.9	496.9	499.2	506.0	510.6	515.1	521.9	524.2	535.5
65°	442.5	444.8	449.3	449.3	451.6	456.1	458.4	460.6	467.4	467.4	476.5
67.5°	383.5	385.8	392.6	397.1	399.4	408.4	410.7	413.0	417.5	419.8	424.3
70°	326.8	329.0	335.8	338.1	340.4	347.2	351.7	358.5	365.3	372.1	376.7
72.5°	274.6	276.8	283.6	283.6	290.5	292.7	297.3	299.5	306.3	310.9	317.7
75°	224.6	226.9	233.7	233.7	240.5	242.8	245.1	247.3	251.9	256.4	261.0
77.5°	183.8	183.8	192.9	197.4	202.0	202.0	204.2	204.2	204.2	206.5	211.0
80°	145.2	145.2	152.0	156.6	161.1	161.1	163.4	165.6	167.9	167.9	170.2
82.5°	108.9	108.9	115.7	118.0	122.5	122.5	122.5	124.8	127.1	124.8	129.3
85°	74.9	74.9	79.4	81.7	86.2	86.2	86.2	88.5	90.8	88.5	90.8
87.5°	43.1	45.4	47.7	49.9	52.2	54.5	54.5	54.5	56.7	56.7	59.0
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	5296.2	5269.0	5266.7	5234.9	5225.9	5228.1	5203.2	5194.1	5153.3	5144.2	5101.1
5°	5316.6	5330.2	5323.4	5321.2	5328.0	5323.4	5305.3	5296.2	5289.4	5271.2	5234.9
7.5°	5092.0	5101.1	5107.9	5137.4	5162.3	5205.4	5250.8	5280.3	5303.0	5307.6	5278.1
10°	4862.8	4905.9	4935.4	4980.8	5017.1	5042.1	5069.3	5094.3	5160.1	5225.9	5264.4
12.5°	4744.8	4756.1	4753.9	4778.8	4803.8	4869.6	4933.1	4969.4	5019.4	5048.9	5119.2
15°	4645.0	4647.2	4654.0	4672.2	4685.8	4708.5	4738.0	4792.5	4892.3	4937.7	4976.3
17.5°	4554.2	4554.2	4558.7	4574.6	4592.8	4613.2	4631.3	4654.0	4704.0	4778.8	4874.1
20°	4409.0	4472.5	4479.3	4477.0	4486.1	4524.7	4529.2	4570.1	4595.0	4624.5	4717.6
22.5°	4193.4	4232.0	4286.4	4370.4	4402.2	4420.3	4433.9	4452.1	4490.7	4524.7	4563.3
25°	4075.4	4100.4	4116.2	4141.2	4207.0	4313.7	4334.1	4354.5	4379.5	4404.4	4452.1
27.5°	3971.0	3968.8	3980.1	4002.8	4020.9	4077.7	4177.5	4256.9	4261.5	4297.8	4338.6
30°	3896.1	3882.5	3866.6	3862.1	3887.1	3916.6	3946.1	4070.9	4157.1	4175.2	4218.4
32.5°	3825.8	3803.1	3780.4	3762.3	3746.4	3771.3	3789.5	3843.9	3955.1	4059.5	4082.2
35°	3739.6	3716.9	3689.6	3669.2	3644.3	3642.0	3639.7	3691.9	3728.2	3853.0	3961.9
37.5°	3651.1	3626.1	3603.4	3580.7	3555.8	3537.6	3526.3	3539.9	3573.9	3628.4	3809.9
40°	3558.0	3528.5	3505.8	3487.7	3453.7	3440.0	3417.3	3408.3	3410.5	3458.2	3553.5
42.5°	2126.2	3390.1	3401.5	3381.0	3351.5	3333.4	3308.4	3297.1	3274.4	3297.1	3351.5
45°	819.2	828.2	2480.2	3276.7	3240.4	3217.7	3195.0	3183.6	3158.7	3140.5	3190.4
47.5°	803.3	812.4	794.2	1125.5	3092.9	3099.7	3072.4	3061.1	3036.1	3022.5	3008.9
50°	791.9	798.7	785.1	789.7	773.8	2834.2	2947.6	2934.0	2906.8	2890.9	2863.7
52.5°	780.6	780.6	771.5	760.2	755.6	757.9	2384.9	2804.7	2772.9	2757.0	2720.7
55°	744.3	748.8	757.9	739.7	735.2	732.9	726.1	2271.4	2625.4	2607.3	2575.5
57.5°	689.8	698.9	723.9	719.3	719.3	701.2	696.6	696.6	2108.0	2455.2	2423.5
60°	626.3	635.4	662.6	671.7	678.5	673.9	669.4	667.1	658.1	2221.5	2262.3
62.5°	560.5	569.6	578.6	608.1	617.2	628.6	642.2	635.4	626.3	626.3	2092.2
65°	490.1	503.8	508.3	535.5	546.9	567.3	578.6	594.5	590.0	587.7	599.1
67.5°	428.9	444.8	447.0	458.4	478.8	487.9	501.5	531.0	544.6	549.1	553.7
70°	376.7	385.8	392.6	397.1	410.7	413.0	437.9	458.4	478.8	501.5	508.3
72.5°	324.5	331.3	344.9	340.4	344.9	354.0	367.6	381.2	401.6	433.4	453.8
75°	265.5	270.0	279.1	283.6	292.7	299.5	308.6	320.0	338.1	354.0	381.2
77.5°	213.3	215.6	222.4	224.6	233.7	240.5	256.4	263.2	274.6	285.9	301.8
80°	172.5	172.5	174.7	174.7	181.5	188.3	199.7	206.5	220.1	229.2	229.2
82.5°	131.6	131.6	138.4	138.4	143.0	143.0	149.8	149.8	156.6	161.1	165.6
85°	93.0	95.3	99.8	97.6	102.1	99.8	104.4	108.9	111.2	108.9	106.7
87.5°	61.3	61.3	65.8	63.5	65.8	65.8	70.3	70.3	72.6	72.6	70.3
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	5085.2	5051.1	5030.7	5005.8	4998.9	4992.1	5001.2	5001.2	4987.6	4976.3	4955.8
5°	5203.2	5166.9	5128.3	5087.4	5048.9	5008.0	4992.1	4989.9	4964.9	4951.3	4944.5
7.5°	5264.4	5246.3	5203.2	5146.4	5087.4	5014.8	4983.1	4964.9	4940.0	4935.4	4935.4
10°	5271.2	5250.8	5228.1	5187.3	5119.2	5023.9	4962.6	4926.3	4903.6	4919.5	4949.0
12.5°	5205.4	5244.0	5223.6	5196.4	5141.9	5026.2	4937.7	4883.2	4876.4	4917.3	4994.4
15°	5037.5	5151.0	5207.7	5180.5	5137.4	5021.6	4896.8	4833.3	4833.3	4917.3	5017.1
17.5°	4910.5	4998.9	5137.4	5160.1	5110.1	5012.6	4858.3	4783.4	4803.8	4926.3	5033.0
20°	4806.1	4860.5	4994.4	5121.5	5073.8	4992.1	4801.5	4724.4	4765.2	4912.7	5055.7
22.5°	4642.7	4751.6	4833.3	5021.6	5037.5	4953.6	4744.8	4651.8	4733.5	4912.7	5044.3
25°	4483.8	4615.5	4701.7	4885.5	4983.1	4905.9	4692.6	4574.6	4699.4	4905.9	5035.3
27.5°	4372.7	4433.9	4590.5	4722.1	4901.4	4842.4	4622.3	4490.7	4656.3	4869.6	4983.1
30°	4254.7	4295.5	4449.8	4574.6	4792.5	4769.8	4549.7	4397.6	4601.8	4835.6	4846.9
32.5°	4125.3	4170.7	4250.1	4431.7	4640.4	4701.7	4468.0	4304.6	4542.8	4783.4	4688.1
35°	3993.7	4027.7	4091.3	4286.4	4463.4	4599.6	4368.1	4197.9	4502.0	4704.0	4536.0
37.5°	3862.1	3898.4	3952.9	4116.2	4277.4	4504.3	4281.9	4091.3	4427.1	4563.3	4377.2
40°	3737.3	3757.7	3814.4	3916.6	4123.1	4406.7	4184.3	3980.1	4350.0	4384.0	4161.6
42.5°	3508.1	3610.2	3662.4	3744.1	3948.3	4272.8	4070.9	3862.1	4263.7	4204.7	3946.1
45°	3260.8	3483.2	3505.8	3587.5	3794.0	4129.9	3964.2	3746.4	4182.1	4050.4	3741.8
47.5°	3058.8	3219.9	3351.5	3419.6	3610.2	3961.9	3864.4	3648.8	4059.5	3855.3	3542.2
50°	2879.6	2965.8	3204.0	3254.0	3390.1	3760.0	3746.4	3535.3	3889.3	3610.2	3347.0
52.5°	2704.8	2766.1	2981.7	3088.3	3199.5	3542.2	3605.7	3424.2	3703.3	3365.2	3149.6
55°	2552.8	2573.2	2691.2	2915.9	3015.7	3322.0	3451.4	3294.8	3467.3	3131.4	2959.0
57.5°	2396.2	2378.1	2464.3	2752.5	2825.1	3097.4	3288.0	3163.2	3276.7	2893.2	2761.6
60°	2232.8	2207.9	2244.2	2434.8	2623.1	2875.0	3095.1	3018.0	3045.2	2657.2	2541.5
62.5°	2062.7	2037.7	2026.4	2146.6	2425.7	2645.8	2900.0	2856.9	2761.6	2441.6	2269.2
65°	1885.7	1860.7	1842.6	1890.2	2207.9	2348.6	2682.1	2670.8	2450.7	2214.7	1910.6
67.5°	574.1	1692.8	1654.2	1651.9	1860.7	2078.5	2446.1	2428.0	2137.5	1971.9	1645.1
70°	517.4	1372.8	1459.1	1438.6	1529.4	1804.0	2176.1	2162.5	1833.5	1581.6	1454.5
72.5°	474.3	485.6	1288.9	1266.2	1286.6	1533.9	1894.7	1858.4	1554.4	1248.0	1257.1
75°	406.2	426.6	444.8	1068.8	1041.5	1270.7	1588.4	1531.7	1282.1	1030.2	1050.6
77.5°	331.3	356.3	369.9	778.3	841.9	905.4	1268.5	1193.6	882.7	823.7	392.6
80°	247.3	267.8	290.5	310.9	639.9	633.1	941.7	866.8	614.9	512.8	306.3
82.5°	181.5	188.3	202.0	224.6	254.1	424.3	605.9	533.3	426.6	233.7	211.0
85°	113.5	122.5	129.3	136.1	154.3	254.1	299.5	238.3	179.3	143.0	133.9
87.5°	72.6	72.6	70.3	72.6	74.9	90.8	102.1	97.6	77.2	72.6	72.6
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	4933.1	4901.4	4901.4	4892.3	4899.1	4899.1	4896.8	4899.1	4915.0	4924.1	4940.0
5°	4930.9	4921.8	4942.2	4967.2	4996.7	5033.0	5042.1	5073.8	5103.3	5141.9	5182.7
7.5°	4960.4	4992.1	5030.7	5071.6	5130.6	5173.7	5212.2	5250.8	5278.1	5314.4	5337.1
10°	5003.5	5067.0	5132.8	5185.0	5248.6	5284.9	5309.8	5314.4	5275.8	5214.5	5164.6
12.5°	5064.8	5139.6	5200.9	5250.8	5280.3	5266.7	5194.1	5119.2	5076.1	5012.6	4924.1
15°	5116.9	5185.0	5248.6	5228.1	5148.7	5073.8	5017.1	4928.6	4842.4	4783.4	4744.8
17.5°	5139.6	5205.4	5182.7	5076.1	5001.2	4915.0	4799.3	4731.2	4674.5	4629.1	4606.4
20°	5153.3	5141.9	5019.4	4942.2	4797.0	4717.6	4642.7	4579.2	4536.0	4513.3	4508.8
22.5°	5116.9	4978.5	4874.1	4735.7	4629.1	4563.3	4504.3	4452.1	4422.6	4404.4	4393.1
25°	4996.7	4835.6	4681.3	4572.3	4481.6	4424.9	4379.5	4336.4	4300.0	4291.0	4268.3
27.5°	4828.8	4697.2	4492.9	4409.0	4329.5	4302.3	4252.4	4209.3	4177.5	4150.3	4077.7
30°	4690.3	4481.6	4334.1	4256.9	4209.3	4177.5	4120.8	4075.4	4020.9	3921.1	3880.3
32.5°	4520.2	4313.7	4173.0	4129.9	4070.9	4043.6	3980.1	3880.3	3796.3	3755.5	3753.2
35°	4300.0	4129.9	4027.7	3989.2	3941.5	3896.1	3764.5	3673.8	3632.9	3637.5	3671.5
37.5°	4116.2	3964.2	3898.4	3843.9	3789.5	3673.8	3562.6	3519.5	3530.8	3553.5	3569.4
40°	3930.2	3814.4	3739.6	3696.5	3573.9	3460.5	3401.5	3417.3	3437.8	3453.7	3474.1
42.5°	3748.6	3667.0	3592.1	3508.1	3340.2	3278.9	3292.5	3313.0	3331.1	3353.8	3374.2
45°	3576.2	3503.6	3417.3	3226.7	3142.8	3158.7	3179.1	3195.0	3222.2	3238.1	3258.5
47.5°	3412.8	3335.7	3183.6	3015.7	3006.6	3038.4	3056.6	3077.0	3097.4	3056.6	1686.0
50°	3229.0	3149.6	2918.1	2854.6	2875.0	2904.5	2927.2	2947.6	2625.4	1043.8	803.3
52.5°	3047.5	2845.5	2698.0	2716.2	2736.6	2770.6	2786.5	2069.5	823.7	785.1	787.4
55°	2845.5	2586.8	2543.7	2566.4	2584.6	2618.6	1735.9	760.2	755.6	753.4	771.5
57.5°	2527.8	2371.3	2389.4	2412.1	2430.3	1715.5	739.7	735.2	737.5	739.7	742.0
60°	2244.2	2210.2	2230.6	2251.0	1592.9	714.8	701.2	703.4	712.5	705.7	687.6
62.5°	2019.5	2046.8	2067.2	1810.8	678.5	671.7	678.5	671.7	655.8	644.4	621.7
65°	1847.1	1874.3	1890.2	637.6	635.4	644.4	637.6	614.9	590.0	558.2	551.4
67.5°	1665.6	1692.8	605.9	590.0	599.1	587.7	560.5	533.3	515.1	487.9	476.5
70°	1477.2	633.1	549.1	546.9	531.0	512.8	483.3	456.1	433.4	422.1	410.7
72.5°	1066.5	501.5	494.7	476.5	449.3	424.3	399.4	383.5	372.1	365.3	358.5
75°	444.8	435.7	415.3	383.5	356.3	344.9	326.8	315.4	310.9	297.3	292.7
77.5°	372.1	354.0	324.5	301.8	285.9	279.1	265.5	251.9	245.1	242.8	233.7
80°	285.9	261.0	247.3	236.0	231.5	215.6	199.7	192.9	188.3	186.1	179.3
82.5°	195.1	186.1	177.0	161.1	161.1	154.3	147.5	143.0	138.4	138.4	133.9
85°	127.1	120.3	118.0	111.2	111.2	106.7	104.4	102.1	99.8	97.6	95.3
87.5°	72.6	72.6	74.9	72.6	72.6	70.3	68.1	65.8	63.5	63.5	59.0
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	4960.4	4983.1	4987.6	5064.8	5107.9	5105.6	5092.0	5132.8	5107.9	5094.3	5107.9
5°	5223.6	5250.8	5273.5	5357.5	5387.0	5400.6	5398.3	5421.0	5402.9	5387.0	5387.0
7.5°	5352.9	5362.0	5371.1	5350.7	5337.1	5314.4	5280.3	5230.4	5205.4	5178.2	5144.2
10°	5139.6	5110.1	5121.5	5080.6	5046.6	5021.6	4989.9	4949.0	4915.0	4890.0	4851.5
12.5°	4878.7	4876.4	4881.0	4887.8	4853.7	4833.3	4808.3	4778.8	4753.9	4726.6	4694.9
15°	4719.8	4722.1	4740.3	4733.5	4722.1	4710.8	4683.5	4674.5	4651.8	4622.3	4604.1
17.5°	4606.4	4617.7	4635.9	4626.8	4608.7	4597.3	4576.9	4556.5	4536.0	4513.3	4486.1
20°	4506.5	4517.9	4529.2	4517.9	4483.8	4468.0	4440.7	4377.2	4331.8	4286.4	4245.6
22.5°	4397.6	4404.4	4395.4	4359.0	4272.8	4232.0	4200.2	4182.1	4143.5	4118.5	4093.6
25°	4261.5	4222.9	4163.9	4123.1	4089.0	4070.9	4057.2	4055.0	4050.4	4045.9	4034.6
27.5°	4039.1	4025.5	3993.7	3977.8	3980.1	3986.9	3989.2	3996.0	3989.2	3980.1	3971.0
30°	3873.4	3880.3	3882.5	3887.1	3898.4	3905.2	3907.5	3916.6	3912.0	3905.2	3900.7
32.5°	3769.1	3785.0	3794.0	3807.6	3814.4	3825.8	3825.8	3839.4	3825.8	3823.5	3819.0
35°	3682.8	3696.5	3701.0	3721.4	3728.2	3739.6	3739.6	3750.9	3739.6	3623.8	2861.4
37.5°	3596.6	3610.2	3619.3	3637.5	3639.7	3646.5	3365.2	2462.0	1588.4	1229.9	939.4
40°	3494.5	3510.4	3519.5	3526.3	2477.9	1572.5	1082.4	880.4	880.4	887.2	894.0
42.5°	3385.6	3396.9	2366.7	1377.4	857.7	855.5	862.3	869.1	875.9	885.0	894.0
45°	2661.7	1343.3	853.2	832.8	839.6	848.7	857.7	866.8	878.2	887.2	891.8
47.5°	873.6	819.2	830.5	821.4	832.8	844.1	853.2	862.3	864.5	866.8	864.5
50°	807.8	807.8	814.6	814.6	823.7	828.2	828.2	828.2	819.2	816.9	810.1
52.5°	780.6	798.7	789.7	794.2	789.7	782.9	776.1	769.2	755.6	751.1	742.0
55°	767.0	773.8	751.1	744.3	735.2	717.1	708.0	698.9	687.6	683.0	671.7
57.5°	735.2	719.3	694.4	683.0	667.1	649.0	639.9	633.1	621.7	617.2	610.4
60°	676.2	644.4	628.6	614.9	596.8	580.9	574.1	569.6	560.5	558.2	551.4
62.5°	603.6	576.4	562.8	544.6	531.0	521.9	515.1	512.8	503.8	503.8	499.2
65°	524.2	510.6	499.2	481.1	474.3	465.2	462.9	460.6	456.1	453.8	449.3
67.5°	460.6	451.6	435.7	426.6	422.1	415.3	410.7	406.2	397.1	392.6	385.8
70°	403.9	397.1	381.2	374.4	365.3	354.0	347.2	342.6	335.8	331.3	324.5
72.5°	349.4	329.0	317.7	310.9	304.1	292.7	290.5	285.9	279.1	276.8	270.0
75°	281.4	265.5	258.7	254.1	247.3	240.5	240.5	240.5	233.7	231.5	229.2
77.5°	224.6	215.6	211.0	206.5	204.2	199.7	192.9	190.6	183.8	183.8	181.5
80°	172.5	167.9	163.4	161.1	158.8	154.3	149.8	147.5	140.7	140.7	138.4
82.5°	127.1	124.8	122.5	120.3	118.0	115.7	108.9	106.7	102.1	102.1	99.8
85°	90.8	88.5	84.0	81.7	81.7	79.4	72.6	70.3	65.8	65.8	65.8
87.5°	56.7	54.5	52.2	49.9	47.7	45.4	40.8	38.6	38.6	34.0	31.8
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-LD5-120SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	5080.6	5119.2	5114.7	5141.9	5148.7	5162.3	5166.9	5169.1	5135.1	5162.3	5164.6
5°	5380.2	5387.0	5391.5	5402.9	5414.2	5416.5	5405.1	5391.5	5396.1	5387.0	5364.3
7.5°	5139.6	5105.6	5098.8	5089.7	5085.2	5080.6	5060.2	5078.4	5057.9	5048.9	5017.1
10°	4844.6	4812.9	4810.6	4810.6	4817.4	4815.1	4810.6	4801.5	4819.7	4808.3	4801.5
12.5°	4690.3	4679.0	4685.8	4681.3	4699.4	4704.0	4699.4	4699.4	4694.9	4685.8	4690.3
15°	4597.3	4588.2	4595.0	4588.2	4601.8	4604.1	4592.8	4599.6	4588.2	4576.9	4572.3
17.5°	4474.8	4454.4	4438.5	4415.8	4418.0	4413.5	4399.9	4399.9	4388.5	4359.0	4361.3
20°	4238.8	4218.4	4209.3	4209.3	4220.6	4225.2	4222.9	4227.4	4216.1	4211.6	4193.4
22.5°	4091.3	4089.0	4093.6	4104.9	4123.1	4148.0	4150.3	4150.3	4150.3	4148.0	4125.3
25°	4039.1	4039.1	4043.6	4059.5	4073.1	4091.3	4095.8	4100.4	4095.8	4095.8	4075.4
27.5°	3980.1	3975.6	3984.6	4000.5	4016.4	4030.0	4041.4	4043.6	4036.8	4036.8	4043.6
30°	3907.5	3905.2	3916.6	3932.4	3946.1	3959.7	3971.0	3980.1	3971.0	3971.0	3964.2
32.5°	3832.6	3832.6	3837.1	3741.8	3469.5	3124.6	3131.4	2931.7	2793.3	2618.6	2850.1
35°	2391.7	1740.4	1495.4	1266.2	1105.1	1000.7	998.4	964.4	948.5	937.2	934.9
37.5°	903.1	907.7	916.7	921.3	928.1	932.6	934.9	934.9	934.9	934.9	932.6
40°	900.9	909.9	916.7	923.5	930.4	934.9	934.9	937.2	939.4	939.4	939.4
42.5°	903.1	912.2	921.3	928.1	932.6	934.9	937.2	939.4	939.4	939.4	939.4
45°	900.9	905.4	905.4	907.7	907.7	907.7	909.9	909.9	907.7	905.4	909.9
47.5°	866.8	866.8	860.0	857.7	855.5	850.9	853.2	850.9	848.7	846.4	850.9
50°	807.8	798.7	794.2	789.7	787.4	782.9	785.1	782.9	780.6	776.1	782.9
52.5°	737.5	735.2	726.1	721.6	719.3	721.6	717.1	714.8	712.5	710.2	712.5
55°	669.4	660.3	658.1	653.5	651.2	653.5	651.2	649.0	646.7	644.4	646.7
57.5°	608.1	601.3	599.1	594.5	594.5	594.5	594.5	592.2	590.0	587.7	590.0
60°	549.1	544.6	542.3	542.3	540.1	540.1	540.1	537.8	535.5	535.5	537.8
62.5°	499.2	499.2	492.4	490.1	490.1	492.4	490.1	487.9	485.6	483.3	487.9
65°	447.0	437.9	435.7	431.1	426.6	428.9	426.6	424.3	422.1	419.8	424.3
67.5°	383.5	381.2	372.1	367.6	365.3	367.6	365.3	363.1	360.8	358.5	363.1
70°	322.2	322.2	313.1	310.9	308.6	308.6	306.3	306.3	304.1	301.8	306.3
72.5°	267.8	267.8	265.5	261.0	258.7	256.4	254.1	251.9	251.9	254.1	254.1
75°	222.4	217.8	208.8	211.0	208.8	206.5	206.5	204.2	202.0	206.5	204.2
77.5°	174.7	172.5	165.6	167.9	165.6	163.4	163.4	161.1	158.8	161.1	161.1
80°	131.6	131.6	129.3	127.1	127.1	124.8	122.5	122.5	120.3	122.5	122.5
82.5°	95.3	95.3	93.0	90.8	88.5	88.5	86.2	86.2	86.2	86.2	86.2
85°	61.3	59.0	59.0	54.5	54.5	54.5	52.2	52.2	52.2	52.2	52.2
87.5°	29.5	29.5	27.2	27.2	25.0	22.7	22.7	20.4	20.4	22.7	22.7
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	5123.8	5153.3	5128.3	5139.6	5141.9	5180.5	5178.2	5187.3	5171.4	5153.3	5128.3
5°	5384.7	5371.1	5352.9	5396.1	5373.4	5400.6	5409.7	5427.8	5427.8	5425.5	5405.1
7.5°	5051.1	5021.6	5044.3	5060.2	5067.0	5048.9	5085.2	5126.0	5160.1	5180.5	5182.7
10°	4790.2	4799.3	4797.0	4803.8	4819.7	4817.4	4840.1	4862.8	4871.9	4885.5	4890.0
12.5°	4667.7	4665.4	4669.9	4685.8	4694.9	4692.6	4715.3	4728.9	4733.5	4735.7	4733.5
15°	4570.1	4554.2	4565.5	4567.8	4574.6	4574.6	4601.8	4622.3	4631.3	4635.9	4631.3
17.5°	4386.3	4347.7	4384.0	4384.0	4409.0	4404.4	4447.5	4481.6	4499.7	4513.3	4513.3
20°	4204.7	4186.6	4200.2	4195.7	4213.8	4211.6	4238.8	4261.5	4277.4	4288.7	4302.3
22.5°	4132.1	4136.7	4116.2	4118.5	4118.5	4116.2	4129.9	4141.2	4145.7	4152.6	4148.0
25°	4084.5	4089.0	4082.2	4070.9	4066.3	4070.9	4077.7	4091.3	4093.6	4089.0	4073.1
27.5°	4036.8	4023.2	4034.6	4014.1	4009.6	4018.7	4027.7	4030.0	4032.3	4032.3	4018.7
30°	3964.2	3952.9	3964.2	3955.1	3946.1	3955.1	3961.9	3961.9	3966.5	3968.8	3952.9
32.5°	2770.6	2793.3	3160.9	3383.3	3696.5	3855.3	3884.8	3884.8	3889.3	3889.3	3875.7
35°	944.0	946.2	1023.4	1109.6	1293.4	1520.3	1817.6	1971.9	2493.8	3117.8	3721.4
37.5°	932.6	930.4	928.1	925.8	923.5	921.3	916.7	914.5	928.1	1100.5	1493.1
40°	937.2	934.9	930.4	928.1	925.8	921.3	919.0	914.5	909.9	905.4	900.9
42.5°	937.2	934.9	932.6	930.4	928.1	925.8	921.3	916.7	912.2	905.4	898.6
45°	905.4	905.4	907.7	907.7	909.9	909.9	909.9	907.7	907.7	905.4	896.3
47.5°	846.4	846.4	853.2	853.2	857.7	862.3	862.3	866.8	873.6	878.2	880.4
50°	778.3	778.3	785.1	787.4	791.9	798.7	805.5	807.8	814.6	823.7	832.8
52.5°	710.2	710.2	717.1	717.1	721.6	728.4	735.2	737.5	746.6	755.6	767.0
55°	646.7	646.7	651.2	653.5	655.8	660.3	667.1	667.1	676.2	683.0	694.4
57.5°	590.0	594.5	594.5	594.5	596.8	601.3	605.9	605.9	612.7	619.5	628.6
60°	535.5	540.1	540.1	540.1	542.3	544.6	549.1	549.1	553.7	558.2	567.3
62.5°	485.6	490.1	490.1	492.4	492.4	494.7	499.2	496.9	501.5	503.8	510.6
65°	422.1	426.6	428.9	431.1	433.4	437.9	444.8	442.5	449.3	453.8	460.6
67.5°	360.8	365.3	365.3	367.6	369.9	374.4	378.9	378.9	385.8	390.3	399.4
70°	304.1	308.6	308.6	310.9	313.1	317.7	322.2	320.0	326.8	331.3	338.1
72.5°	251.9	256.4	256.4	258.7	258.7	263.2	267.8	272.3	272.3	276.8	281.4
75°	204.2	206.5	208.8	208.8	211.0	213.3	217.8	222.4	224.6	226.9	231.5
77.5°	161.1	163.4	165.6	165.6	167.9	170.2	172.5	181.5	186.1	188.3	188.3
80°	122.5	124.8	124.8	124.8	127.1	129.3	133.9	133.9	143.0	143.0	145.2
82.5°	86.2	88.5	88.5	88.5	90.8	95.3	97.6	99.8	104.4	106.7	106.7
85°	52.2	54.5	54.5	54.5	56.7	59.0	63.5	65.8	68.1	68.1	70.3
87.5°	20.4	22.7	25.0	25.0	27.2	29.5	31.8	34.0	36.3	36.3	38.6
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	5101.1	5116.9	5101.1	5110.1	5121.5	5101.1	5053.4	5035.3	5028.4	5001.2	4983.1
5°	5384.7	5384.7	5377.9	5396.1	5393.8	5362.0	5312.1	5289.4	5266.7	5237.2	5214.5
7.5°	5182.7	5200.9	5212.2	5282.6	5328.0	5332.5	5364.3	5371.1	5380.2	5371.1	5357.5
10°	4892.3	4885.5	4917.3	4983.1	5021.6	5042.1	5103.3	5132.8	5157.8	5207.7	5259.9
12.5°	4728.9	4738.0	4751.6	4799.3	4835.6	4826.5	4851.5	4871.9	4901.4	4951.3	5026.2
15°	4620.0	4629.1	4642.7	4679.0	4701.7	4690.3	4704.0	4717.6	4738.0	4763.0	4808.3
17.5°	4502.0	4517.9	4533.8	4572.3	4592.8	4590.5	4601.8	4606.4	4613.2	4629.1	4660.8
20°	4318.2	4368.1	4399.9	4452.1	4481.6	4477.0	4497.5	4504.3	4513.3	4529.2	4542.8
22.5°	4150.3	4163.9	4179.8	4236.5	4286.4	4347.7	4361.3	4379.5	4402.2	4418.0	4431.7
25°	4055.0	4045.9	4052.7	4091.3	4118.5	4123.1	4143.5	4202.5	4263.7	4291.0	4322.7
27.5°	3998.3	3989.2	3986.9	4005.1	4009.6	3998.3	3993.7	4011.9	4057.2	4102.6	4197.9
30°	3937.0	3925.6	3916.6	3932.4	3939.3	3923.4	3893.9	3878.0	3905.2	3916.6	3955.1
32.5°	3864.4	3853.0	3848.5	3857.6	3862.1	3848.5	3816.7	3798.6	3794.0	3785.0	3794.0
35°	3782.7	3771.3	3764.5	3766.8	3775.9	3764.5	3737.3	3714.6	3703.3	3678.3	3660.1
37.5°	1949.2	2761.6	3585.3	3671.5	3680.6	3678.3	3651.1	3626.1	3614.8	3585.3	3576.2
40°	891.8	996.2	1495.4	1953.7	2818.3	3580.7	3555.8	3530.8	3510.4	3501.3	3467.3
42.5°	889.5	891.8	894.0	882.7	1093.7	1863.0	2750.2	3433.2	3419.6	3396.9	3372.0
45°	889.5	878.2	887.2	873.6	878.2	875.9	1091.5	1760.9	3133.7	3274.4	3263.0
47.5°	880.4	873.6	882.7	871.4	857.7	864.5	855.5	866.8	1352.4	2294.1	3142.8
50°	839.6	844.1	860.0	857.7	846.4	855.5	839.6	853.2	841.9	923.5	1779.0
52.5°	778.3	787.4	803.3	816.9	821.4	832.8	828.2	832.8	823.7	826.0	828.2
55°	705.7	717.1	730.7	751.1	760.2	778.3	791.9	798.7	810.1	807.8	789.7
57.5°	637.6	649.0	660.3	680.7	701.2	710.2	735.2	748.8	778.3	771.5	767.0
60°	574.1	583.2	594.5	599.1	624.0	639.9	662.6	676.2	714.8	723.9	737.5
62.5°	517.4	521.9	531.0	537.8	553.7	569.6	580.9	603.6	624.0	653.5	673.9
65°	465.2	469.7	476.5	481.1	483.3	506.0	512.8	537.8	544.6	576.4	594.5
67.5°	406.2	415.3	424.3	428.9	433.4	447.0	451.6	462.9	478.8	492.4	515.1
70°	344.9	351.7	360.8	367.6	376.7	385.8	399.4	406.2	417.5	426.6	444.8
72.5°	288.2	295.0	299.5	306.3	313.1	320.0	331.3	347.2	356.3	372.1	376.7
75°	233.7	240.5	245.1	249.6	256.4	261.0	265.5	281.4	290.5	304.1	317.7
77.5°	192.9	192.9	197.4	211.0	208.8	208.8	213.3	222.4	229.2	238.3	251.9
80°	149.8	152.0	154.3	165.6	167.9	170.2	167.9	174.7	181.5	183.8	192.9
82.5°	111.2	113.5	113.5	120.3	127.1	127.1	127.1	129.3	136.1	138.4	143.0
85°	74.9	77.2	79.4	81.7	86.2	88.5	90.8	90.8	95.3	97.6	99.8
87.5°	40.8	45.4	47.7	49.9	52.2	54.5	56.7	59.0	61.3	63.5	65.8
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-LD5-120SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3	4951.3
2.5°	4976.3	4964.9	4958.1	4940.0	4935.4	4905.9	4910.5	4905.9	4905.9	4912.7	4935.4
5°	5189.6	5135.1	5121.5	5082.9	5051.1	4996.7	4962.6	4944.5	4917.3	4905.9	4921.8
7.5°	5334.8	5293.9	5259.9	5225.9	5180.5	5116.9	5069.3	5014.8	4969.4	4926.3	4915.0
10°	5309.8	5355.2	5355.2	5334.8	5291.7	5228.1	5171.4	5103.3	5023.9	4955.8	4915.0
12.5°	5098.8	5178.2	5241.7	5289.4	5332.5	5289.4	5232.7	5178.2	5089.7	4989.9	4915.0
15°	4867.3	4949.0	5028.4	5128.3	5232.7	5275.8	5273.5	5210.0	5130.6	5026.2	4921.8
17.5°	4704.0	4760.7	4803.8	4912.7	5039.8	5151.0	5225.9	5230.4	5153.3	5060.2	4924.1
20°	4581.4	4622.3	4658.6	4719.8	4831.0	4967.2	5105.6	5182.7	5169.1	5067.0	4930.9
22.5°	4470.2	4499.7	4529.2	4574.6	4663.1	4751.6	4912.7	5071.6	5139.6	5055.7	4924.1
25°	4359.0	4390.8	4413.5	4445.3	4515.6	4588.2	4701.7	4899.1	5051.1	5046.6	4910.5
27.5°	4227.4	4270.5	4297.8	4340.9	4388.5	4443.0	4520.2	4706.2	4924.1	5001.2	4874.1
30°	4068.6	4132.1	4173.0	4220.6	4261.5	4309.1	4370.4	4483.8	4753.9	4912.7	4835.6
32.5°	3839.4	3952.9	4043.6	4089.0	4134.4	4175.2	4229.7	4325.0	4545.1	4792.5	4792.5
35°	3676.0	3728.2	3809.9	3941.5	3998.3	4039.1	4089.0	4163.9	4304.6	4649.5	4722.1
37.5°	3549.0	3569.4	3610.2	3739.6	3846.2	3912.0	3961.9	4009.6	4148.0	4454.4	4631.3
40°	3453.7	3446.8	3442.3	3503.6	3655.6	3760.0	3816.7	3864.4	3971.0	4220.6	4511.1
42.5°	3342.5	3335.7	3313.0	3328.9	3403.7	3578.5	3664.7	3716.9	3805.4	3975.6	4379.5
45°	3226.7	3215.4	3206.3	3190.4	3217.7	3315.2	3492.2	3569.4	3619.3	3771.3	4213.8
47.5°	3108.7	3092.9	3081.5	3067.9	3052.0	3097.4	3265.3	3403.7	3490.0	3585.3	4014.1
50°	2940.8	2961.2	2947.6	2931.7	2918.1	2909.1	2979.4	3206.3	3313.0	3390.1	3771.3
52.5°	1386.5	2695.8	2809.2	2793.3	2775.2	2759.3	2775.2	2947.6	3140.5	3201.8	3478.6
55°	789.7	1200.4	2498.3	2641.3	2625.4	2602.7	2589.1	2648.1	2936.3	3018.0	3210.9
57.5°	760.2	762.4	1102.8	2380.3	2468.8	2448.4	2432.5	2446.1	2691.2	2829.6	2977.1
60°	735.2	735.2	735.2	1052.9	2276.0	2282.8	2262.3	2239.7	2346.3	2618.6	2741.1
62.5°	680.7	694.4	701.2	701.2	1039.3	2108.0	2087.6	2080.8	2085.4	2364.5	2505.1
65°	610.4	642.2	655.8	664.9	664.9	1091.5	1908.4	1897.0	1881.1	1987.8	2266.9
67.5°	533.3	565.0	594.5	612.7	614.9	635.4	1139.1	1708.7	1686.0	1688.3	2012.7
70°	453.8	481.1	512.8	540.1	565.0	576.4	594.5	1418.2	1493.1	1461.3	1724.6
72.5°	392.6	403.9	426.6	453.8	483.3	510.6	526.4	565.0	1295.7	1261.7	1311.6
75°	326.8	335.8	351.7	369.9	392.6	424.3	451.6	478.8	687.6	1057.4	1050.6
77.5°	254.1	270.0	288.2	299.5	310.9	333.6	369.9	397.1	424.3	714.8	841.9
80°	195.1	206.5	215.6	226.9	240.5	256.4	270.0	301.8	333.6	358.5	644.4
82.5°	145.2	152.0	158.8	163.4	167.9	177.0	202.0	213.3	233.7	256.4	304.1
85°	102.1	106.7	111.2	113.5	115.7	118.0	127.1	129.3	149.8	154.3	183.8
87.5°	65.8	68.1	72.6	74.9	74.9	77.2	79.4	79.4	79.4	74.9	90.8
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-LD5-120SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	4951.3	4951.3
2.5°	4953.6	4989.9
5°	4946.8	4994.4
7.5°	4928.6	4974.0
10°	4901.4	4955.8
12.5°	4871.9	4924.1
15°	4846.9	4885.5
17.5°	4819.7	4842.4
20°	4783.4	4801.5
22.5°	4747.1	4738.0
25°	4706.2	4685.8
27.5°	4654.0	4615.5
30°	4606.4	4538.3
32.5°	4561.0	4449.8
35°	4499.7	4359.0
37.5°	4436.2	4266.0
40°	4361.3	4159.4
42.5°	4281.9	4052.7
45°	4182.1	3950.6
47.5°	4093.6	3828.1
50°	3971.0	3696.5
52.5°	3821.3	3573.9
55°	3644.3	3424.2
57.5°	3453.7	3267.6
60°	3249.4	3088.3
62.5°	3002.1	2902.2
65°	2711.6	2688.9
67.5°	2332.7	2453.0
70°	1912.9	2182.9
72.5°	1599.8	1897.0
75°	1311.6	1577.1
77.5°	1039.3	1236.7
80°	649.0	905.4
82.5°	435.7	594.5
85°	263.2	283.6
87.5°	102.1	104.4
90°	0.0	0.0

(END OF REPORT)