

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-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-101SL-RW-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

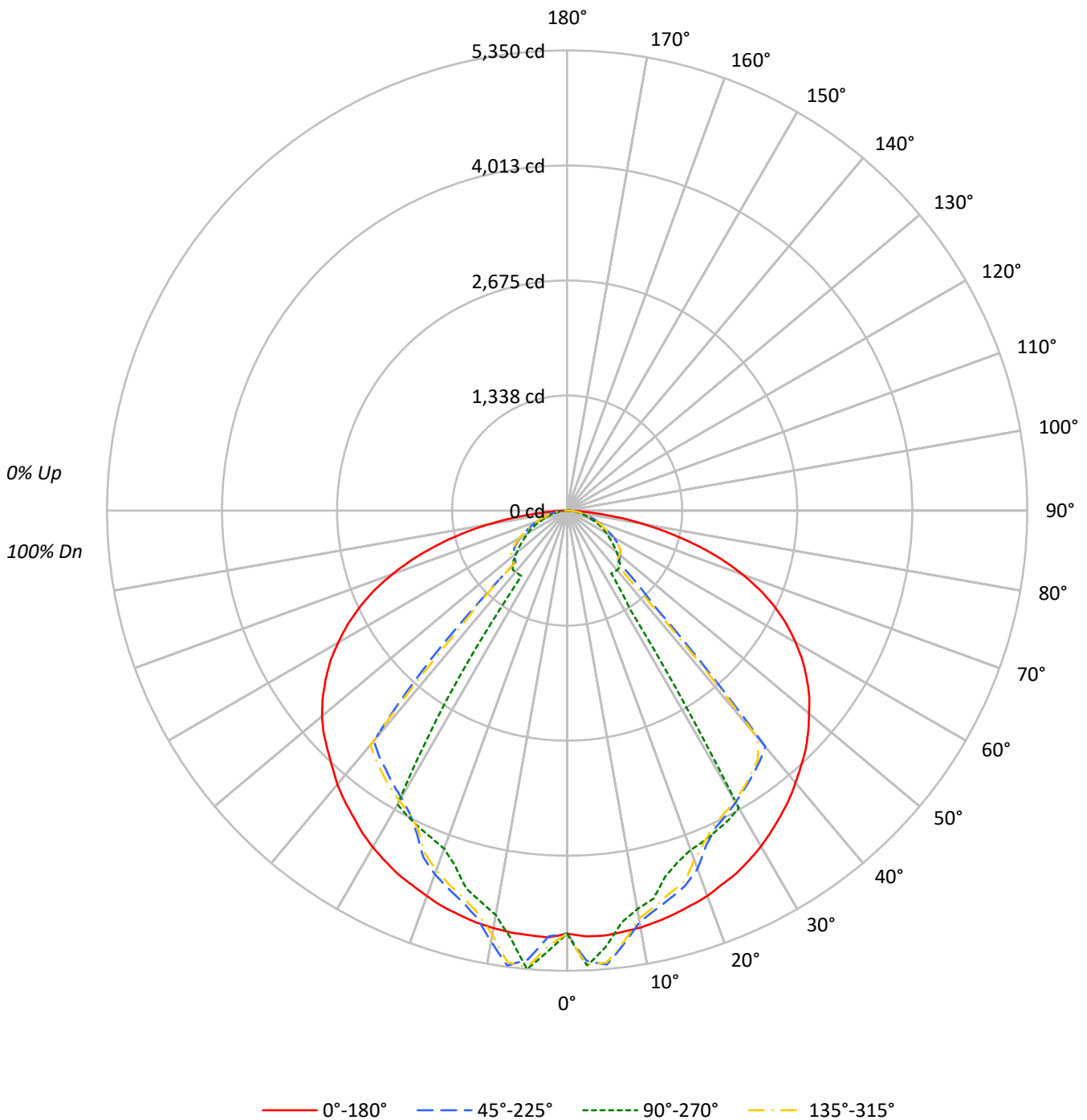
Lumens per Lamp: N/A
Luminaire Lumens: 9847.0 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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#
CATALOG NUMBER: 8SNLED-LD5-101SL-RW-UNV-L950-CD1-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	19868	19868	19868	19868
5°	20091	20018	20082	21009
10°	20138	18099	20166	18376
15°	20212	16745	20259	17276
20°	20388	15882	20388	15823
25°	20597	15579	20627	15433
30°	20841	15304	20893	15123
35°	21123	3486	21167	3635
40°	21506	3625	21635	3742
45°	22075	3605	22150	3736
50°	22654	3259	22960	3347
55°	23433	2894	23619	2935
60°	24132	2571	24186	2604
65°	24704	2244	24641	2208
70°	24558	1809	24481	1743
75°	23103	1392	23270	1334
80°	19220	989	19989	905
85°	11081	592	11702	454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.8	4.9
10°-20°	1330.2	13.5
20°-30°	1970.3	20.0
30°-40°	1985.3	20.2
40°-50°	1550.8	15.7
50°-60°	1197.9	12.2
60°-70°	804.3	8.2
70°-80°	410.3	4.2
80°-90°	114.1	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°	3784.4	38.4
0°-40°	5769.7	58.6
0°-60°	8518.3	86.5
0°-90°	9847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9847.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4917	4917	4917	4917	4917	
5°	4960	5098	4958	5350	4960	472
15°	4852	4406	4863	4546	4852	1372
25°	4654	4106	4660	4068	4654	2147
35°	4329	892	4338	931	4329	2713
45°	3924	868	3937	899	3924	3025
55°	3401	631	3428	640	3401	3037
65°	2670	424	2664	417	2670	2626
75°	1566	214	1578	205	1566	1638
85°	282	68	298	52	282	388
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°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	4955.6	4973.7	4987.2	4996.2	5000.7	5000.7	5003.0	5005.2	5034.5	5048.0	5057.1
5°	4960.2	4978.2	5005.2	5041.3	5072.8	5099.9	5122.4	5154.0	5185.5	5219.3	5230.6
7.5°	4939.9	4962.4	5016.5	5081.9	5142.7	5185.5	5214.8	5235.1	5250.9	5253.1	5264.4
10°	4921.8	4962.4	5036.8	5122.4	5199.0	5250.9	5250.9	5239.6	5255.4	5194.5	5133.7
12.5°	4890.3	4935.4	5036.8	5149.5	5221.6	5241.9	5232.8	5187.8	5095.4	5021.0	4987.2
15°	4852.0	4912.8	5039.0	5165.2	5226.1	5232.8	5147.2	5032.3	4962.4	4917.3	4861.0
17.5°	4809.2	4890.3	5041.3	5167.5	5190.0	5158.5	4996.2	4924.1	4852.0	4746.1	4669.4
20°	4768.6	4847.5	5023.3	5135.9	5149.5	5007.5	4881.3	4804.7	4683.0	4590.6	4556.8
22.5°	4705.5	4797.9	5007.5	5093.1	5041.3	4876.8	4755.1	4633.4	4523.0	4495.9	4455.4
25°	4653.7	4750.6	4971.4	5041.3	4903.8	4757.3	4615.4	4473.4	4421.5	4383.2	4347.2
27.5°	4583.8	4703.2	4924.1	4946.6	4757.3	4628.9	4421.5	4358.4	4311.1	4268.3	4252.5
30°	4507.2	4653.7	4858.7	4815.9	4635.6	4446.3	4293.1	4234.5	4200.7	4155.6	4137.6
32.5°	4419.3	4579.3	4786.6	4664.9	4504.9	4268.3	4169.1	4124.1	4079.0	4045.2	3932.5
35°	4329.2	4513.9	4701.0	4520.7	4347.2	4133.1	4045.2	4004.6	3961.8	3837.9	3720.7
37.5°	4236.8	4441.8	4597.3	4365.2	4137.6	3993.4	3919.0	3873.9	3777.0	3619.3	3560.7
40°	4130.8	4353.9	4464.4	4205.2	3955.1	3851.4	3781.5	3736.5	3517.9	3448.0	3430.0
42.5°	4024.9	4268.3	4302.1	4049.7	3804.1	3700.4	3641.8	3493.1	3344.3	3308.3	3315.0
45°	3923.5	4175.9	4124.1	3828.9	3646.3	3560.7	3461.5	3256.4	3177.6	3195.6	3200.1
47.5°	3801.8	4065.5	3937.0	3608.0	3484.1	3398.4	3177.6	3053.6	3042.3	3067.1	3080.7
50°	3671.1	3941.5	3738.7	3407.4	3308.3	3206.9	2956.7	2893.6	2907.1	2931.9	2947.7
52.5°	3549.4	3801.8	3533.6	3220.4	3134.7	2902.6	2733.6	2744.9	2767.4	2796.7	2805.7
55°	3400.7	3632.8	3315.0	3031.1	2950.0	2645.7	2569.1	2596.1	2618.7	2643.5	2661.5
57.5°	3245.2	3439.0	3055.9	2819.2	2688.5	2418.1	2424.9	2442.9	2458.7	2488.0	1027.6
60°	3067.1	3218.1	2771.9	2623.2	2364.0	2237.8	2244.6	2276.1	2291.9	1280.0	707.6
62.5°	2882.3	2961.2	2515.0	2400.1	2066.5	2057.5	2089.1	2102.6	1431.0	676.1	662.6
65°	2670.5	2654.7	2262.6	2080.1	1863.7	1872.7	1906.5	1838.9	633.3	633.3	628.8
67.5°	2436.1	2341.5	2017.0	1721.7	1667.7	1687.9	1724.0	601.7	585.9	590.4	574.7
70°	2168.0	2035.0	1762.3	1458.1	1476.1	1496.4	581.4	545.4	538.6	527.3	495.8
72.5°	1884.0	1701.5	1442.3	1266.5	1277.8	802.3	509.3	491.3	468.7	446.2	412.4
75°	1566.2	1329.6	1059.2	1059.2	1075.0	457.5	444.0	414.7	389.9	360.6	340.3
77.5°	1228.2	1023.1	822.6	854.1	416.9	383.1	358.3	326.8	306.5	288.5	277.2
80°	899.2	714.4	619.7	554.4	324.5	290.7	265.9	247.9	238.9	227.6	214.1
82.5°	590.4	430.4	430.4	261.4	227.6	200.6	193.8	180.3	171.3	164.5	157.8
85°	281.7	250.1	189.3	160.0	142.0	128.5	123.9	117.2	117.2	114.9	112.7
87.5°	103.7	112.7	83.4	81.1	76.6	74.4	76.6	76.6	78.9	76.6	74.4
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°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	5079.6	5097.6	5111.1	5133.7	5163.0	5187.8	5210.3	5241.9	5291.4	5305.0	5316.2
5°	5230.6	5237.3	5253.1	5271.2	5275.7	5286.9	5284.7	5298.2	5305.0	5320.7	5286.9
7.5°	5239.6	5203.5	5160.7	5122.4	5095.4	5070.6	5054.8	5079.6	5093.1	5104.4	5070.6
10°	5050.3	5007.5	4982.7	4960.2	4933.1	4894.8	4843.0	4854.2	4849.7	4849.7	4838.5
12.5°	4930.9	4870.0	4806.9	4750.6	4725.8	4723.5	4725.8	4750.6	4750.6	4748.3	4734.8
15°	4743.8	4685.2	4653.7	4640.1	4640.1	4633.4	4633.4	4660.4	4653.7	4653.7	4646.9
17.5°	4619.9	4579.3	4556.8	4541.0	4534.2	4545.5	4559.0	4570.3	4572.5	4563.5	4527.5
20°	4518.5	4480.1	4453.1	4457.6	4455.4	4462.1	4468.9	4430.6	4383.2	4320.1	4290.8
22.5°	4412.5	4383.2	4363.0	4363.0	4335.9	4293.1	4230.0	4216.5	4209.7	4180.4	4155.6
25°	4311.1	4277.3	4248.0	4157.9	4101.5	4108.3	4097.0	4074.5	4072.2	4070.0	4079.0
27.5°	4209.7	4121.8	4009.1	3995.6	3973.1	3970.8	3984.4	3995.6	3995.6	4004.6	4015.9
30°	4000.1	3898.7	3878.4	3853.6	3862.7	3894.2	3901.0	3916.7	3921.3	3937.0	3946.0
32.5°	3808.6	3763.5	3745.5	3756.7	3786.0	3813.1	3828.9	3835.6	3846.9	3860.4	3871.7
35°	3653.1	3639.6	3655.3	3680.1	3709.4	3731.9	3745.5	3759.0	3770.3	3781.5	3790.5
37.5°	3538.1	3547.2	3569.7	3601.2	3630.5	3648.6	3659.8	3675.6	3691.4	3704.9	3650.8
40°	3430.0	3452.5	3477.3	3511.1	3535.9	3553.9	3565.2	3585.5	3450.2	1561.7	856.4
42.5°	3335.3	3360.1	3378.1	3405.2	3432.2	3445.7	3346.6	1494.1	845.1	840.6	851.9
45°	3220.4	3240.7	3270.0	3290.2	3315.0	2177.0	831.6	840.6	827.1	836.1	840.6
47.5°	3103.2	3134.7	3150.5	3006.3	894.7	827.1	818.1	827.1	818.1	829.3	822.6
50°	2970.2	3008.5	2140.9	809.0	802.3	797.8	806.8	802.3	809.0	818.1	800.0
52.5°	2835.0	1755.5	784.3	779.7	784.3	779.7	795.5	784.3	786.5	777.5	755.0
55°	960.0	759.5	752.7	750.4	764.0	764.0	764.0	745.9	734.7	712.1	696.4
57.5°	734.7	734.7	732.4	734.7	730.2	725.7	705.4	689.6	673.8	642.3	633.3
60°	696.4	696.4	696.4	696.4	676.1	667.1	635.5	622.0	594.9	579.2	570.2
62.5°	664.8	660.3	640.0	633.3	610.7	585.9	567.9	554.4	527.3	518.3	511.6
65°	619.7	604.0	579.2	552.1	540.9	513.8	504.8	484.5	471.0	464.2	459.7
67.5°	545.4	522.8	502.6	484.5	464.2	455.2	444.0	428.2	419.2	414.7	410.2
70°	466.5	450.7	430.4	419.2	405.6	398.9	383.1	378.6	371.8	365.1	358.3
72.5°	389.9	380.9	371.8	356.1	351.6	347.1	331.3	322.3	313.2	304.2	299.7
75°	326.8	320.0	315.5	302.0	295.2	281.7	270.4	263.7	256.9	250.1	245.6
77.5°	268.2	263.7	250.1	241.1	236.6	225.4	220.9	223.1	218.6	209.6	205.1
80°	209.6	205.1	193.8	193.8	189.3	184.8	180.3	175.8	171.3	164.5	160.0
82.5°	160.0	155.5	151.0	146.5	142.0	139.7	137.5	133.0	128.5	123.9	121.7
85°	112.7	110.4	108.2	105.9	103.7	101.4	99.2	94.7	90.1	87.9	85.6
87.5°	76.6	74.4	72.1	69.9	67.6	65.4	63.1	60.8	56.3	54.1	51.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	5316.2	5327.5	5316.2	5291.4	5275.7	5268.9	5282.4	5282.4	5291.4	5302.7	5305.0
5°	5232.8	5205.8	5174.2	5142.7	5126.9	5117.9	5093.1	5097.6	5104.4	5108.9	5113.4
7.5°	5025.5	4989.5	4946.6	4906.1	4890.3	4876.8	4847.5	4847.5	4847.5	4849.7	4863.3
10°	4813.7	4797.9	4779.9	4752.8	4732.5	4725.8	4701.0	4707.8	4703.2	4710.0	4725.8
12.5°	4714.5	4696.5	4680.7	4653.7	4631.1	4622.1	4610.8	4617.6	4615.4	4626.6	4640.1
15°	4624.4	4615.4	4597.3	4577.0	4556.8	4538.7	4498.2	4484.6	4475.6	4464.4	4480.1
17.5°	4475.6	4412.5	4369.7	4338.2	4315.6	4299.9	4288.6	4288.6	4295.3	4302.1	4315.6
20°	4272.8	4254.8	4234.5	4200.7	4178.2	4169.1	4162.4	4162.4	4173.7	4182.7	4207.5
22.5°	4133.1	4130.8	4124.1	4108.3	4097.0	4097.0	4099.3	4103.8	4119.6	4133.1	4157.9
25°	4067.7	4076.7	4072.2	4063.2	4056.5	4058.7	4054.2	4058.7	4074.5	4088.0	4108.3
27.5°	4015.9	4029.4	4024.9	4011.4	4000.1	4004.6	4011.4	4006.9	4020.4	4036.2	4052.0
30°	3946.0	3948.3	3957.3	3941.5	3937.0	3943.8	3946.0	3950.5	3964.1	3975.3	3988.9
32.5°	3867.2	3885.2	3882.9	3867.2	3867.2	3873.9	3876.2	3725.2	3443.5	2965.7	2835.0
35°	3790.5	3810.8	3777.0	3184.3	2204.0	1176.4	908.2	876.6	883.4	887.9	892.4
37.5°	2803.5	1329.6	847.4	854.1	860.9	867.6	874.4	881.2	887.9	894.7	896.9
40°	842.8	840.6	847.4	856.4	863.1	867.6	876.6	883.4	890.2	896.9	899.2
42.5°	833.8	838.3	845.1	854.1	863.1	872.1	878.9	887.9	892.4	896.9	899.2
45°	829.3	838.3	847.4	854.1	860.9	865.4	869.9	872.1	869.9	869.9	874.4
47.5°	822.6	831.6	833.8	831.6	833.8	831.6	831.6	831.6	824.8	822.6	822.6
50°	797.8	797.8	793.3	784.3	782.0	779.7	775.2	773.0	764.0	761.7	761.7
52.5°	745.9	743.7	736.9	725.7	721.1	716.6	714.4	712.1	703.1	698.6	700.9
55°	685.1	680.6	673.8	660.3	658.0	653.5	651.3	649.0	640.0	644.5	637.8
57.5°	628.8	619.7	610.7	608.5	599.5	597.2	594.9	592.7	585.9	588.2	583.7
60°	561.1	558.9	554.4	545.4	545.4	543.1	543.1	538.6	534.1	531.8	531.8
62.5°	511.6	504.8	500.3	500.3	493.5	493.5	493.5	489.0	484.5	486.8	484.5
65°	457.5	455.2	453.0	448.5	448.5	446.2	446.2	441.7	434.9	437.2	432.7
67.5°	412.4	407.9	403.4	401.1	392.1	387.6	385.4	383.1	374.1	376.3	371.8
70°	356.1	349.3	344.8	340.3	333.5	329.0	329.0	324.5	317.8	320.0	315.5
72.5°	297.5	293.0	288.5	286.2	279.4	277.2	274.9	272.7	265.9	268.2	265.9
75°	247.9	247.9	245.6	243.4	236.6	229.9	225.4	223.1	218.6	220.9	216.3
77.5°	205.1	200.6	196.1	196.1	189.3	184.8	180.3	180.3	180.3	178.0	175.8
80°	160.0	155.5	155.5	153.2	148.7	144.2	142.0	142.0	139.7	139.7	137.5
82.5°	121.7	117.2	114.9	114.9	110.4	108.2	105.9	103.7	103.7	103.7	101.4
85°	85.6	81.1	78.9	78.9	74.4	72.1	72.1	69.9	69.9	67.6	67.6
87.5°	51.8	49.6	47.3	47.3	42.8	40.6	40.6	40.6	38.3	38.3	36.1
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	5305.0	5305.0	5289.2	5293.7	5286.9	5295.9	5284.7	5284.7	5298.2	5298.2	5307.2
5°	5115.7	5104.4	5102.1	5097.6	5075.1	5084.1	5072.8	5061.6	5077.3	5077.3	5097.6
7.5°	4856.5	4836.2	4845.2	4831.7	4818.2	4797.9	4804.7	4795.6	4806.9	4822.7	4843.0
10°	4723.5	4705.5	4716.8	4703.2	4710.0	4680.7	4683.0	4685.2	4696.5	4701.0	4719.0
12.5°	4637.9	4633.4	4628.9	4624.4	4628.9	4613.1	4604.1	4606.3	4610.8	4613.1	4626.6
15°	4457.6	4428.3	4437.3	4405.8	4408.0	4410.3	4392.3	4410.3	4408.0	4437.3	4464.4
17.5°	4311.1	4311.1	4295.3	4281.8	4272.8	4270.6	4257.0	4266.1	4257.0	4275.1	4281.8
20°	4209.7	4207.5	4205.2	4198.4	4175.9	4178.2	4184.9	4164.6	4162.4	4160.1	4173.7
22.5°	4162.4	4164.6	4155.6	4155.6	4135.3	4139.8	4142.1	4119.6	4121.8	4115.1	4121.8
25°	4112.8	4117.3	4106.0	4106.0	4101.5	4099.3	4088.0	4092.5	4079.0	4067.7	4079.0
27.5°	4054.2	4063.2	4054.2	4058.7	4049.7	4045.2	4038.4	4033.9	4020.4	4018.2	4024.9
30°	4000.1	4004.6	4002.4	3991.1	3988.9	3975.3	3982.1	3968.6	3955.1	3957.3	3961.8
32.5°	2050.8	1958.4	1509.9	1363.4	1349.9	1399.5	1658.6	2019.2	2616.4	3195.6	3612.5
35°	894.7	894.7	894.7	892.4	892.4	890.2	887.9	885.7	883.4	881.2	878.9
37.5°	899.2	899.2	899.2	899.2	896.9	894.7	894.7	890.2	887.9	885.7	883.4
40°	901.4	903.7	903.7	903.7	901.4	901.4	899.2	894.7	892.4	887.9	883.4
42.5°	899.2	901.4	901.4	899.2	899.2	896.9	896.9	894.7	892.4	890.2	887.9
45°	869.9	872.1	867.6	867.6	865.4	865.4	865.4	865.4	865.4	867.6	867.6
47.5°	818.1	818.1	815.8	813.5	813.5	811.3	813.5	811.3	815.8	818.1	822.6
50°	757.2	757.2	752.7	750.4	750.4	750.4	750.4	752.7	755.0	759.5	764.0
52.5°	694.1	694.1	691.9	689.6	687.3	687.3	694.1	691.9	694.1	696.4	703.1
55°	633.3	635.5	631.0	631.0	628.8	628.8	628.8	631.0	633.3	635.5	642.3
57.5°	581.4	581.4	576.9	576.9	576.9	574.7	581.4	576.9	579.2	581.4	585.9
60°	529.6	527.3	527.3	525.1	525.1	525.1	529.6	527.3	527.3	529.6	534.1
62.5°	482.3	482.3	480.0	480.0	477.8	477.8	482.3	480.0	480.0	482.3	484.5
65°	428.2	428.2	425.9	423.7	430.4	423.7	430.4	425.9	430.4	432.7	437.2
67.5°	367.3	367.3	367.3	365.1	365.1	369.6	371.8	367.3	369.6	374.1	376.3
70°	313.2	313.2	311.0	311.0	311.0	315.5	317.8	313.2	315.5	317.8	322.3
72.5°	265.9	261.4	261.4	259.2	263.7	263.7	265.9	263.7	265.9	265.9	270.4
75°	218.6	214.1	214.1	214.1	218.6	216.3	218.6	216.3	218.6	218.6	220.9
77.5°	175.8	173.5	171.3	171.3	175.8	175.8	175.8	173.5	175.8	178.0	180.3
80°	137.5	135.2	133.0	133.0	137.5	137.5	137.5	139.7	137.5	139.7	142.0
82.5°	101.4	99.2	96.9	101.4	101.4	101.4	101.4	103.7	101.4	103.7	105.9
85°	67.6	65.4	63.1	67.6	67.6	67.6	67.6	69.9	67.6	69.9	72.1
87.5°	36.1	33.8	33.8	36.1	36.1	36.1	38.3	38.3	38.3	40.6	40.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	5320.7	5327.5	5325.2	5311.7	5298.2	5282.4	5271.2	5273.4	5295.9	5302.7	5282.4
5°	5097.6	5140.4	5140.4	5169.7	5154.0	5140.4	5149.5	5199.0	5223.8	5262.1	5275.7
7.5°	4867.8	4888.0	4885.8	4915.1	4910.6	4910.6	4917.3	4982.7	5014.2	5045.8	5054.8
10°	4739.3	4759.6	4757.3	4759.6	4752.8	4737.1	4737.1	4766.3	4793.4	4809.2	4813.7
12.5°	4646.9	4658.2	4655.9	4655.9	4651.4	4637.9	4635.6	4660.4	4689.7	4710.0	4712.3
15°	4509.4	4541.0	4547.7	4577.0	4570.3	4552.3	4556.8	4577.0	4595.1	4613.1	4606.3
17.5°	4304.4	4320.1	4322.4	4333.7	4329.2	4329.2	4356.2	4430.6	4480.1	4523.0	4527.5
20°	4187.2	4198.4	4193.9	4218.7	4207.5	4205.2	4212.0	4243.5	4266.1	4286.3	4322.4
22.5°	4130.8	4139.8	4133.1	4135.3	4115.1	4097.0	4092.5	4117.3	4142.1	4169.1	4169.1
25°	4083.5	4090.3	4088.0	4083.5	4067.7	4042.9	4038.4	4042.9	4052.0	4054.2	4038.4
27.5°	4027.2	4031.7	4031.7	4033.9	4013.6	3991.1	3986.6	3982.1	3991.1	3988.9	3964.1
30°	3968.6	3961.8	3964.1	3966.3	3948.3	3928.0	3919.0	3916.7	3925.8	3923.5	3898.7
32.5°	3828.9	3880.7	3885.2	3889.7	3873.9	3855.9	3846.9	3840.1	3844.6	3842.4	3819.8
35°	876.6	892.4	1093.0	2474.4	3360.1	3720.7	3759.0	3750.0	3752.2	3752.2	3734.2
37.5°	878.9	876.6	874.4	867.6	860.9	856.4	1480.6	3157.3	3657.6	3659.8	3644.1
40°	878.9	876.6	874.4	869.9	860.9	854.1	842.8	833.8	854.1	1879.5	3439.0
42.5°	883.4	878.9	874.4	869.9	860.9	851.9	842.8	831.6	838.3	833.8	822.6
45°	869.9	867.6	867.6	865.4	860.9	851.9	840.6	827.1	820.3	827.1	815.8
47.5°	827.1	829.3	836.1	838.3	838.3	840.6	833.8	824.8	813.5	820.3	806.8
50°	768.5	773.0	775.2	786.5	791.0	800.0	802.3	802.3	800.0	809.0	800.0
52.5°	705.4	709.9	721.1	725.7	730.2	743.7	748.2	755.0	759.5	773.0	782.0
55°	644.5	646.8	651.3	660.3	667.1	678.3	685.1	691.9	703.1	709.9	736.9
57.5°	588.2	590.4	599.5	601.7	606.2	615.2	622.0	631.0	640.0	644.5	676.1
60°	534.1	536.4	543.1	545.4	547.6	556.6	563.4	570.2	576.9	581.4	604.0
62.5°	486.8	486.8	493.5	493.5	495.8	502.6	507.1	511.6	518.3	520.6	531.8
65°	439.5	441.7	446.2	446.2	448.5	453.0	455.2	457.5	464.2	464.2	473.3
67.5°	380.9	383.1	389.9	394.4	396.6	405.6	407.9	410.2	414.7	416.9	421.4
70°	324.5	326.8	333.5	335.8	338.0	344.8	349.3	356.1	362.8	369.6	374.1
72.5°	272.7	274.9	281.7	281.7	288.5	290.7	295.2	297.5	304.2	308.7	315.5
75°	223.1	225.4	232.1	232.1	238.9	241.1	243.4	245.6	250.1	254.7	259.2
77.5°	182.5	182.5	191.6	196.1	200.6	200.6	202.8	202.8	202.8	205.1	209.6
80°	144.2	144.2	151.0	155.5	160.0	160.0	162.3	164.5	166.8	166.8	169.0
82.5°	108.2	108.2	114.9	117.2	121.7	121.7	121.7	123.9	126.2	123.9	128.5
85°	74.4	74.4	78.9	81.1	85.6	85.6	85.6	87.9	90.1	87.9	90.1
87.5°	42.8	45.1	47.3	49.6	51.8	54.1	54.1	54.1	56.3	56.3	58.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	5259.9	5232.8	5230.6	5199.0	5190.0	5192.3	5167.5	5158.5	5117.9	5108.9	5066.1
5°	5280.2	5293.7	5286.9	5284.7	5291.4	5286.9	5268.9	5259.9	5253.1	5235.1	5199.0
7.5°	5057.1	5066.1	5072.8	5102.1	5126.9	5169.7	5214.8	5244.1	5266.6	5271.2	5241.9
10°	4829.4	4872.3	4901.6	4946.6	4982.7	5007.5	5034.5	5059.3	5124.7	5190.0	5228.3
12.5°	4712.3	4723.5	4721.3	4746.1	4770.9	4836.2	4899.3	4935.4	4984.9	5014.2	5084.1
15°	4613.1	4615.4	4622.1	4640.1	4653.7	4676.2	4705.5	4759.6	4858.7	4903.8	4942.1
17.5°	4523.0	4523.0	4527.5	4543.2	4561.3	4581.6	4599.6	4622.1	4671.7	4746.1	4840.7
20°	4378.7	4441.8	4448.6	4446.3	4455.4	4493.7	4498.2	4538.7	4563.5	4592.8	4685.2
22.5°	4164.6	4202.9	4257.0	4340.4	4372.0	4390.0	4403.5	4421.5	4459.9	4493.7	4532.0
25°	4047.5	4072.2	4088.0	4112.8	4178.2	4284.1	4304.4	4324.6	4349.4	4374.2	4421.5
27.5°	3943.8	3941.5	3952.8	3975.3	3993.4	4049.7	4148.9	4227.7	4232.2	4268.3	4308.9
30°	3869.4	3855.9	3840.1	3835.6	3860.4	3889.7	3919.0	4042.9	4128.6	4146.6	4189.4
32.5°	3799.6	3777.0	3754.5	3736.5	3720.7	3745.5	3763.5	3817.6	3928.0	4031.7	4054.2
35°	3713.9	3691.4	3664.3	3644.1	3619.3	3617.0	3614.8	3666.6	3702.7	3826.6	3934.8
37.5°	3626.0	3601.2	3578.7	3556.2	3531.4	3513.4	3502.1	3515.6	3549.4	3603.5	3783.8
40°	3533.6	3504.3	3481.8	3463.8	3430.0	3416.4	3393.9	3384.9	3387.1	3434.5	3529.1
42.5°	2111.6	3366.9	3378.1	3357.9	3328.6	3310.5	3285.7	3274.5	3251.9	3274.5	3328.6
45°	813.5	822.6	2463.2	3254.2	3218.1	3195.6	3173.1	3161.8	3137.0	3119.0	3168.6
47.5°	797.8	806.8	788.8	1117.8	3071.6	3078.4	3051.4	3040.1	3015.3	3001.8	2988.3
50°	786.5	793.3	779.7	784.3	768.5	2814.7	2927.4	2913.9	2886.9	2871.1	2844.0
52.5°	775.2	775.2	766.2	755.0	750.4	752.7	2368.5	2785.4	2753.9	2738.1	2702.1
55°	739.2	743.7	752.7	734.7	730.2	727.9	721.1	2255.8	2607.4	2589.4	2557.8
57.5°	685.1	694.1	718.9	714.4	714.4	696.4	691.9	691.9	2093.6	2438.4	2406.8
60°	622.0	631.0	658.0	667.1	673.8	669.3	664.8	662.6	653.5	2206.3	2246.8
62.5°	556.6	565.7	574.7	604.0	613.0	624.2	637.8	631.0	622.0	622.0	2077.8
65°	486.8	500.3	504.8	531.8	543.1	563.4	574.7	590.4	585.9	583.7	594.9
67.5°	425.9	441.7	444.0	455.2	475.5	484.5	498.0	527.3	540.9	545.4	549.9
70°	374.1	383.1	389.9	394.4	407.9	410.2	434.9	455.2	475.5	498.0	504.8
72.5°	322.3	329.0	342.5	338.0	342.5	351.6	365.1	378.6	398.9	430.4	450.7
75°	263.7	268.2	277.2	281.7	290.7	297.5	306.5	317.8	335.8	351.6	378.6
77.5°	211.8	214.1	220.9	223.1	232.1	238.9	254.7	261.4	272.7	284.0	299.7
80°	171.3	171.3	173.5	173.5	180.3	187.0	198.3	205.1	218.6	227.6	227.6
82.5°	130.7	130.7	137.5	137.5	142.0	142.0	148.7	148.7	155.5	160.0	164.5
85°	92.4	94.7	99.2	96.9	101.4	99.2	103.7	108.2	110.4	108.2	105.9
87.5°	60.8	60.8	65.4	63.1	65.4	65.4	69.9	69.9	72.1	72.1	69.9
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	5050.3	5016.5	4996.2	4971.4	4964.7	4957.9	4966.9	4966.9	4953.4	4942.1	4921.8
5°	5167.5	5131.4	5093.1	5052.6	5014.2	4973.7	4957.9	4955.6	4930.9	4917.3	4910.6
7.5°	5228.3	5210.3	5167.5	5111.1	5052.6	4980.4	4948.9	4930.9	4906.1	4901.6	4901.6
10°	5235.1	5214.8	5192.3	5151.7	5084.1	4989.5	4928.6	4892.5	4870.0	4885.8	4915.1
12.5°	5169.7	5208.1	5187.8	5160.7	5106.6	4991.7	4903.8	4849.7	4843.0	4883.5	4960.2
15°	5003.0	5115.7	5172.0	5145.0	5102.1	4987.2	4863.3	4800.2	4800.2	4883.5	4982.7
17.5°	4876.8	4964.7	5102.1	5124.7	5075.1	4978.2	4824.9	4750.6	4770.9	4892.5	4998.5
20°	4773.1	4827.2	4960.2	5086.4	5039.0	4957.9	4768.6	4692.0	4732.5	4879.0	5021.0
22.5°	4610.8	4719.0	4800.2	4987.2	5003.0	4919.6	4712.3	4619.9	4701.0	4879.0	5009.7
25°	4453.1	4583.8	4669.4	4852.0	4948.9	4872.3	4660.4	4543.2	4667.2	4872.3	5000.7
27.5°	4342.7	4403.5	4559.0	4689.7	4867.8	4809.2	4590.6	4459.9	4624.4	4836.2	4948.9
30°	4225.5	4266.1	4419.3	4543.2	4759.6	4737.1	4518.5	4367.5	4570.3	4802.4	4813.7
32.5°	4097.0	4142.1	4221.0	4401.3	4608.6	4669.4	4437.3	4275.1	4511.7	4750.6	4655.9
35°	3966.3	4000.1	4063.2	4257.0	4432.8	4568.0	4338.2	4169.1	4471.1	4671.7	4504.9
37.5°	3835.6	3871.7	3925.8	4088.0	4248.0	4473.4	4252.5	4063.2	4396.8	4532.0	4347.2
40°	3711.7	3731.9	3788.3	3889.7	4094.8	4376.5	4155.6	3952.8	4320.1	4353.9	4133.1
42.5°	3484.1	3585.5	3637.3	3718.4	3921.3	4243.5	4042.9	3835.6	4234.5	4175.9	3919.0
45°	3238.4	3459.3	3481.8	3562.9	3768.0	4101.5	3937.0	3720.7	4153.4	4022.7	3716.2
47.5°	3037.8	3197.8	3328.6	3396.2	3585.5	3934.8	3837.9	3623.8	4031.7	3828.9	3517.9
50°	2859.8	2945.4	3182.1	3231.7	3366.9	3734.2	3720.7	3511.1	3862.7	3585.5	3324.0
52.5°	2686.3	2747.1	2961.2	3067.1	3177.6	3517.9	3581.0	3400.7	3677.9	3342.1	3128.0
55°	2535.3	2555.6	2672.8	2895.9	2995.0	3299.3	3427.7	3272.2	3443.5	3110.0	2938.7
57.5°	2379.8	2361.8	2447.4	2733.6	2805.7	3076.2	3265.5	3141.5	3254.2	2873.3	2742.6
60°	2217.5	2192.7	2228.8	2418.1	2605.2	2855.3	3073.9	2997.3	3024.3	2639.0	2524.0
62.5°	2048.5	2023.7	2012.5	2131.9	2409.1	2627.7	2880.1	2837.3	2742.6	2424.9	2253.6
65°	1872.7	1847.9	1829.9	1877.2	2192.7	2332.5	2663.7	2652.5	2433.9	2199.5	1897.5
67.5°	570.2	1681.2	1642.9	1640.6	1847.9	2064.3	2429.4	2411.3	2122.9	1958.4	1633.9
70°	513.8	1363.4	1449.1	1428.8	1518.9	1791.6	2161.2	2147.7	1820.9	1570.8	1444.6
72.5°	471.0	482.3	1280.0	1257.5	1277.8	1523.4	1881.7	1845.7	1543.7	1239.5	1248.5
75°	403.4	423.7	441.7	1061.4	1034.4	1262.0	1577.5	1521.2	1273.3	1023.1	1043.4
77.5°	329.0	353.8	367.3	773.0	836.1	899.2	1259.8	1185.4	876.6	818.1	389.9
80°	245.6	265.9	288.5	308.7	635.5	628.8	935.2	860.9	610.7	509.3	304.2
82.5°	180.3	187.0	200.6	223.1	252.4	421.4	601.7	529.6	423.7	232.1	209.6
85°	112.7	121.7	128.5	135.2	153.2	252.4	297.5	236.6	178.0	142.0	133.0
87.5°	72.1	72.1	69.9	72.1	74.4	90.1	101.4	96.9	76.6	72.1	72.1
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	4899.3	4867.8	4867.8	4858.7	4865.5	4865.5	4863.3	4865.5	4881.3	4890.3	4906.1
5°	4897.1	4888.0	4908.3	4933.1	4962.4	4998.5	5007.5	5039.0	5068.3	5106.6	5147.2
7.5°	4926.4	4957.9	4996.2	5036.8	5095.4	5138.2	5176.5	5214.8	5241.9	5277.9	5300.4
10°	4969.2	5032.3	5097.6	5149.5	5212.6	5248.6	5273.4	5277.9	5239.6	5178.8	5129.2
12.5°	5030.0	5104.4	5165.2	5214.8	5244.1	5230.6	5158.5	5084.1	5041.3	4978.2	4890.3
15°	5081.9	5149.5	5212.6	5192.3	5113.4	5039.0	4982.7	4894.8	4809.2	4750.6	4712.3
17.5°	5104.4	5169.7	5147.2	5041.3	4966.9	4881.3	4766.3	4698.7	4642.4	4597.3	4574.8
20°	5117.9	5106.6	4984.9	4908.3	4764.1	4685.2	4610.8	4547.7	4504.9	4482.4	4477.9
22.5°	5081.9	4944.4	4840.7	4703.2	4597.3	4532.0	4473.4	4421.5	4392.3	4374.2	4363.0
25°	4962.4	4802.4	4649.2	4541.0	4450.8	4394.5	4349.4	4306.6	4270.6	4261.5	4239.0
27.5°	4795.6	4664.9	4462.1	4378.7	4299.9	4272.8	4223.2	4180.4	4148.9	4121.8	4049.7
30°	4658.2	4450.8	4304.4	4227.7	4180.4	4148.9	4092.5	4047.5	3993.4	3894.2	3853.6
32.5°	4489.2	4284.1	4144.4	4101.5	4042.9	4015.9	3952.8	3853.6	3770.3	3729.7	3727.4
35°	4270.6	4101.5	4000.1	3961.8	3914.5	3869.4	3738.7	3648.6	3608.0	3612.5	3646.3
37.5°	4088.0	3937.0	3871.7	3817.6	3763.5	3648.6	3538.1	3495.3	3506.6	3529.1	3544.9
40°	3903.2	3788.3	3713.9	3671.1	3549.4	3436.7	3378.1	3393.9	3414.2	3430.0	3450.2
42.5°	3722.9	3641.8	3567.4	3484.1	3317.3	3256.4	3270.0	3290.2	3308.3	3330.8	3351.1
45°	3551.7	3479.5	3393.9	3204.6	3121.2	3137.0	3157.3	3173.1	3200.1	3215.9	3236.2
47.5°	3389.4	3312.8	3161.8	2995.0	2986.0	3017.6	3035.6	3055.9	3076.2	3035.6	1674.4
50°	3206.9	3128.0	2898.1	2835.0	2855.3	2884.6	2907.1	2927.4	2607.4	1036.7	797.8
52.5°	3026.6	2826.0	2679.5	2697.5	2717.8	2751.6	2767.4	2055.3	818.1	779.7	782.0
55°	2826.0	2569.1	2526.3	2548.8	2566.8	2600.6	1724.0	755.0	750.4	748.2	766.2
57.5°	2510.5	2355.0	2373.0	2395.6	2413.6	1703.7	734.7	730.2	732.4	734.7	736.9
60°	2228.8	2195.0	2215.3	2235.6	1582.0	709.9	696.4	698.6	707.6	700.9	682.8
62.5°	2005.7	2032.7	2053.0	1798.4	673.8	667.1	673.8	667.1	651.3	640.0	617.5
65°	1834.4	1861.5	1877.2	633.3	631.0	640.0	633.3	610.7	585.9	554.4	547.6
67.5°	1654.1	1681.2	601.7	585.9	594.9	583.7	556.6	529.6	511.6	484.5	473.3
70°	1467.1	628.8	545.4	543.1	527.3	509.3	480.0	453.0	430.4	419.2	407.9
72.5°	1059.2	498.0	491.3	473.3	446.2	421.4	396.6	380.9	369.6	362.8	356.1
75°	441.7	432.7	412.4	380.9	353.8	342.5	324.5	313.2	308.7	295.2	290.7
77.5°	369.6	351.6	322.3	299.7	284.0	277.2	263.7	250.1	243.4	241.1	232.1
80°	284.0	259.2	245.6	234.4	229.9	214.1	198.3	191.6	187.0	184.8	178.0
82.5°	193.8	184.8	175.8	160.0	160.0	153.2	146.5	142.0	137.5	137.5	133.0
85°	126.2	119.4	117.2	110.4	110.4	105.9	103.7	101.4	99.2	96.9	94.7
87.5°	72.1	72.1	74.4	72.1	72.1	69.9	67.6	65.4	63.1	63.1	58.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	4926.4	4948.9	4953.4	5030.0	5072.8	5070.6	5057.1	5097.6	5072.8	5059.3	5072.8
5°	5187.8	5214.8	5237.3	5320.7	5350.0	5363.5	5361.3	5383.8	5365.8	5350.0	5350.0
7.5°	5316.2	5325.2	5334.3	5314.0	5300.4	5277.9	5244.1	5194.5	5169.7	5142.7	5108.9
10°	5104.4	5075.1	5086.4	5045.8	5012.0	4987.2	4955.6	4915.1	4881.3	4856.5	4818.2
12.5°	4845.2	4843.0	4847.5	4854.2	4820.4	4800.2	4775.4	4746.1	4721.3	4694.2	4662.7
15°	4687.5	4689.7	4707.8	4701.0	4689.7	4678.5	4651.4	4642.4	4619.9	4590.6	4572.5
17.5°	4574.8	4586.1	4604.1	4595.1	4577.0	4565.8	4545.5	4525.2	4504.9	4482.4	4455.4
20°	4475.6	4486.9	4498.2	4486.9	4453.1	4437.3	4410.3	4347.2	4302.1	4257.0	4216.5
22.5°	4367.5	4374.2	4365.2	4329.2	4243.5	4202.9	4171.4	4153.4	4115.1	4090.3	4065.5
25°	4232.2	4193.9	4135.3	4094.8	4061.0	4042.9	4029.4	4027.2	4022.7	4018.2	4006.9
27.5°	4011.4	3997.9	3966.3	3950.5	3952.8	3959.6	3961.8	3968.6	3961.8	3952.8	3943.8
30°	3846.9	3853.6	3855.9	3860.4	3871.7	3878.4	3880.7	3889.7	3885.2	3878.4	3873.9
32.5°	3743.2	3759.0	3768.0	3781.5	3788.3	3799.6	3799.6	3813.1	3799.6	3797.3	3792.8
35°	3657.6	3671.1	3675.6	3695.9	3702.7	3713.9	3713.9	3725.2	3713.9	3599.0	2841.8
37.5°	3571.9	3585.5	3594.5	3612.5	3614.8	3621.5	3342.1	2445.1	1577.5	1221.4	933.0
40°	3470.5	3486.3	3495.3	3502.1	2460.9	1561.7	1075.0	874.4	874.4	881.2	887.9
42.5°	3362.4	3373.6	2350.5	1367.9	851.9	849.6	856.4	863.1	869.9	878.9	887.9
45°	2643.5	1334.1	847.4	827.1	833.8	842.8	851.9	860.9	872.1	881.2	885.7
47.5°	867.6	813.5	824.8	815.8	827.1	838.3	847.4	856.4	858.6	860.9	858.6
50°	802.3	802.3	809.0	809.0	818.1	822.6	822.6	822.6	813.5	811.3	804.5
52.5°	775.2	793.3	784.3	788.8	784.3	777.5	770.7	764.0	750.4	745.9	736.9
55°	761.7	768.5	745.9	739.2	730.2	712.1	703.1	694.1	682.8	678.3	667.1
57.5°	730.2	714.4	689.6	678.3	662.6	644.5	635.5	628.8	617.5	613.0	606.2
60°	671.6	640.0	624.2	610.7	592.7	576.9	570.2	565.7	556.6	554.4	547.6
62.5°	599.5	572.4	558.9	540.9	527.3	518.3	511.6	509.3	500.3	500.3	495.8
65°	520.6	507.1	495.8	477.8	471.0	462.0	459.7	457.5	453.0	450.7	446.2
67.5°	457.5	448.5	432.7	423.7	419.2	412.4	407.9	403.4	394.4	389.9	383.1
70°	401.1	394.4	378.6	371.8	362.8	351.6	344.8	340.3	333.5	329.0	322.3
72.5°	347.1	326.8	315.5	308.7	302.0	290.7	288.5	284.0	277.2	274.9	268.2
75°	279.4	263.7	256.9	252.4	245.6	238.9	238.9	238.9	232.1	229.9	227.6
77.5°	223.1	214.1	209.6	205.1	202.8	198.3	191.6	189.3	182.5	182.5	180.3
80°	171.3	166.8	162.3	160.0	157.8	153.2	148.7	146.5	139.7	139.7	137.5
82.5°	126.2	123.9	121.7	119.4	117.2	114.9	108.2	105.9	101.4	101.4	99.2
85°	90.1	87.9	83.4	81.1	81.1	78.9	72.1	69.9	65.4	65.4	65.4
87.5°	56.3	54.1	51.8	49.6	47.3	45.1	40.6	38.3	38.3	33.8	31.6
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	5045.8	5084.1	5079.6	5106.6	5113.4	5126.9	5131.4	5133.7	5099.9	5126.9	5129.2
5°	5343.3	5350.0	5354.5	5365.8	5377.1	5379.3	5368.1	5354.5	5359.0	5350.0	5327.5
7.5°	5104.4	5070.6	5063.8	5054.8	5050.3	5045.8	5025.5	5043.5	5023.3	5014.2	4982.7
10°	4811.4	4779.9	4777.6	4777.6	4784.4	4782.1	4777.6	4768.6	4786.6	4775.4	4768.6
12.5°	4658.2	4646.9	4653.7	4649.2	4667.2	4671.7	4667.2	4667.2	4662.7	4653.7	4658.2
15°	4565.8	4556.8	4563.5	4556.8	4570.3	4572.5	4561.3	4568.0	4556.8	4545.5	4541.0
17.5°	4444.1	4423.8	4408.0	4385.5	4387.7	4383.2	4369.7	4369.7	4358.4	4329.2	4331.4
20°	4209.7	4189.4	4180.4	4180.4	4191.7	4196.2	4193.9	4198.4	4187.2	4182.7	4164.6
22.5°	4063.2	4061.0	4065.5	4076.7	4094.8	4119.6	4121.8	4121.8	4121.8	4119.6	4097.0
25°	4011.4	4011.4	4015.9	4031.7	4045.2	4063.2	4067.7	4072.2	4067.7	4067.7	4047.5
27.5°	3952.8	3948.3	3957.3	3973.1	3988.9	4002.4	4013.6	4015.9	4009.1	4009.1	4015.9
30°	3880.7	3878.4	3889.7	3905.5	3919.0	3932.5	3943.8	3952.8	3943.8	3943.8	3937.0
32.5°	3806.3	3806.3	3810.8	3716.2	3445.7	3103.2	3110.0	2911.6	2774.2	2600.6	2830.5
35°	2375.3	1728.5	1485.1	1257.5	1097.5	993.8	991.6	957.8	942.0	930.7	928.5
37.5°	896.9	901.4	910.5	915.0	921.7	926.2	928.5	928.5	928.5	928.5	926.2
40°	894.7	903.7	910.5	917.2	924.0	928.5	928.5	930.7	933.0	933.0	933.0
42.5°	896.9	905.9	915.0	921.7	926.2	928.5	930.7	933.0	933.0	933.0	933.0
45°	894.7	899.2	899.2	901.4	901.4	901.4	903.7	903.7	901.4	899.2	903.7
47.5°	860.9	860.9	854.1	851.9	849.6	845.1	847.4	845.1	842.8	840.6	845.1
50°	802.3	793.3	788.8	784.3	782.0	777.5	779.7	777.5	775.2	770.7	777.5
52.5°	732.4	730.2	721.1	716.6	714.4	716.6	712.1	709.9	707.6	705.4	707.6
55°	664.8	655.8	653.5	649.0	646.8	649.0	646.8	644.5	642.3	640.0	642.3
57.5°	604.0	597.2	594.9	590.4	590.4	590.4	590.4	588.2	585.9	583.7	585.9
60°	545.4	540.9	538.6	538.6	536.4	536.4	536.4	534.1	531.8	531.8	534.1
62.5°	495.8	495.8	489.0	486.8	486.8	489.0	486.8	484.5	482.3	480.0	484.5
65°	444.0	434.9	432.7	428.2	423.7	425.9	423.7	421.4	419.2	416.9	421.4
67.5°	380.9	378.6	369.6	365.1	362.8	365.1	362.8	360.6	358.3	356.1	360.6
70°	320.0	320.0	311.0	308.7	306.5	306.5	304.2	304.2	302.0	299.7	304.2
72.5°	265.9	265.9	263.7	259.2	256.9	254.7	252.4	250.1	250.1	252.4	252.4
75°	220.9	216.3	207.3	209.6	207.3	205.1	205.1	202.8	200.6	205.1	202.8
77.5°	173.5	171.3	164.5	166.8	164.5	162.3	162.3	160.0	157.8	160.0	160.0
80°	130.7	130.7	128.5	126.2	126.2	123.9	121.7	121.7	119.4	121.7	121.7
82.5°	94.7	94.7	92.4	90.1	87.9	87.9	85.6	85.6	85.6	85.6	85.6
85°	60.8	58.6	58.6	54.1	54.1	54.1	51.8	51.8	51.8	51.8	51.8
87.5°	29.3	29.3	27.0	27.0	24.8	22.5	22.5	20.3	20.3	22.5	22.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	5088.6	5117.9	5093.1	5104.4	5106.6	5145.0	5142.7	5151.7	5135.9	5117.9	5093.1
5°	5347.8	5334.3	5316.2	5359.0	5336.5	5363.5	5372.6	5390.6	5390.6	5388.3	5368.1
7.5°	5016.5	4987.2	5009.7	5025.5	5032.3	5014.2	5050.3	5090.9	5124.7	5145.0	5147.2
10°	4757.3	4766.3	4764.1	4770.9	4786.6	4784.4	4806.9	4829.4	4838.5	4852.0	4856.5
12.5°	4635.6	4633.4	4637.9	4653.7	4662.7	4660.4	4683.0	4696.5	4701.0	4703.2	4701.0
15°	4538.7	4523.0	4534.2	4536.5	4543.2	4543.2	4570.3	4590.6	4599.6	4604.1	4599.6
17.5°	4356.2	4317.9	4353.9	4353.9	4378.7	4374.2	4417.0	4450.8	4468.9	4482.4	4482.4
20°	4175.9	4157.9	4171.4	4166.9	4184.9	4182.7	4209.7	4232.2	4248.0	4259.3	4272.8
22.5°	4103.8	4108.3	4088.0	4090.3	4090.3	4088.0	4101.5	4112.8	4117.3	4124.1	4119.6
25°	4056.5	4061.0	4054.2	4042.9	4038.4	4042.9	4049.7	4063.2	4065.5	4061.0	4045.2
27.5°	4009.1	3995.6	4006.9	3986.6	3982.1	3991.1	4000.1	4002.4	4004.6	4004.6	3991.1
30°	3937.0	3925.8	3937.0	3928.0	3919.0	3928.0	3934.8	3934.8	3939.3	3941.5	3925.8
32.5°	2751.6	2774.2	3139.3	3360.1	3671.1	3828.9	3858.2	3858.2	3862.7	3862.7	3849.1
35°	937.5	939.7	1016.4	1102.0	1284.5	1509.9	1805.1	1958.4	2476.7	3096.4	3695.9
37.5°	926.2	924.0	921.7	919.5	917.2	915.0	910.5	908.2	921.7	1093.0	1482.9
40°	930.7	928.5	924.0	921.7	919.5	915.0	912.7	908.2	903.7	899.2	894.7
42.5°	930.7	928.5	926.2	924.0	921.7	919.5	915.0	910.5	905.9	899.2	892.4
45°	899.2	899.2	901.4	901.4	903.7	903.7	903.7	901.4	901.4	899.2	890.2
47.5°	840.6	840.6	847.4	847.4	851.9	856.4	856.4	860.9	867.6	872.1	874.4
50°	773.0	773.0	779.7	782.0	786.5	793.3	800.0	802.3	809.0	818.1	827.1
52.5°	705.4	705.4	712.1	712.1	716.6	723.4	730.2	732.4	741.4	750.4	761.7
55°	642.3	642.3	646.8	649.0	651.3	655.8	662.6	662.6	671.6	678.3	689.6
57.5°	585.9	590.4	590.4	590.4	592.7	597.2	601.7	601.7	608.5	615.2	624.2
60°	531.8	536.4	536.4	536.4	538.6	540.9	545.4	545.4	549.9	554.4	563.4
62.5°	482.3	486.8	486.8	489.0	489.0	491.3	495.8	493.5	498.0	500.3	507.1
65°	419.2	423.7	425.9	428.2	430.4	434.9	441.7	439.5	446.2	450.7	457.5
67.5°	358.3	362.8	362.8	365.1	367.3	371.8	376.3	376.3	383.1	387.6	396.6
70°	302.0	306.5	306.5	308.7	311.0	315.5	320.0	317.8	324.5	329.0	335.8
72.5°	250.1	254.7	254.7	256.9	256.9	261.4	265.9	270.4	270.4	274.9	279.4
75°	202.8	205.1	207.3	207.3	209.6	211.8	216.3	220.9	223.1	225.4	229.9
77.5°	160.0	162.3	164.5	164.5	166.8	169.0	171.3	180.3	184.8	187.0	187.0
80°	121.7	123.9	123.9	123.9	126.2	128.5	133.0	133.0	142.0	142.0	144.2
82.5°	85.6	87.9	87.9	87.9	90.1	94.7	96.9	99.2	103.7	105.9	105.9
85°	51.8	54.1	54.1	54.1	56.3	58.6	63.1	65.4	67.6	67.6	69.9
87.5°	20.3	22.5	24.8	24.8	27.0	29.3	31.6	33.8	36.1	36.1	38.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	5066.1	5081.9	5066.1	5075.1	5086.4	5066.1	5018.8	5000.7	4994.0	4966.9	4948.9
5°	5347.8	5347.8	5341.0	5359.0	5356.8	5325.2	5275.7	5253.1	5230.6	5201.3	5178.8
7.5°	5147.2	5165.2	5176.5	5246.4	5291.4	5295.9	5327.5	5334.3	5343.3	5334.3	5320.7
10°	4858.7	4852.0	4883.5	4948.9	4987.2	5007.5	5068.3	5097.6	5122.4	5172.0	5223.8
12.5°	4696.5	4705.5	4719.0	4766.3	4802.4	4793.4	4818.2	4838.5	4867.8	4917.3	4991.7
15°	4588.3	4597.3	4610.8	4646.9	4669.4	4658.2	4671.7	4685.2	4705.5	4730.3	4775.4
17.5°	4471.1	4486.9	4502.7	4541.0	4561.3	4559.0	4570.3	4574.8	4581.6	4597.3	4628.9
20°	4288.6	4338.2	4369.7	4421.5	4450.8	4446.3	4466.6	4473.4	4482.4	4498.2	4511.7
22.5°	4121.8	4135.3	4151.1	4207.5	4257.0	4317.9	4331.4	4349.4	4372.0	4387.7	4401.3
25°	4027.2	4018.2	4024.9	4063.2	4090.3	4094.8	4115.1	4173.7	4234.5	4261.5	4293.1
27.5°	3970.8	3961.8	3959.6	3977.6	3982.1	3970.8	3966.3	3984.4	4029.4	4074.5	4169.1
30°	3910.0	3898.7	3889.7	3905.5	3912.2	3896.5	3867.2	3851.4	3878.4	3889.7	3928.0
32.5°	3837.9	3826.6	3822.1	3831.1	3835.6	3822.1	3790.5	3772.5	3768.0	3759.0	3768.0
35°	3756.7	3745.5	3738.7	3741.0	3750.0	3738.7	3711.7	3689.1	3677.9	3653.1	3635.0
37.5°	1935.8	2742.6	3560.7	3646.3	3655.3	3653.1	3626.0	3601.2	3590.0	3560.7	3551.7
40°	885.7	989.3	1485.1	1940.3	2799.0	3556.2	3531.4	3506.6	3486.3	3477.3	3443.5
42.5°	883.4	885.7	887.9	876.6	1086.2	1850.2	2731.4	3409.7	3396.2	3373.6	3348.8
45°	883.4	872.1	881.2	867.6	872.1	869.9	1084.0	1748.8	3112.2	3251.9	3240.7
47.5°	874.4	867.6	876.6	865.4	851.9	858.6	849.6	860.9	1343.1	2278.4	3121.2
50°	833.8	838.3	854.1	851.9	840.6	849.6	833.8	847.4	836.1	917.2	1766.8
52.5°	773.0	782.0	797.8	811.3	815.8	827.1	822.6	827.1	818.1	820.3	822.6
55°	700.9	712.1	725.7	745.9	755.0	773.0	786.5	793.3	804.5	802.3	784.3
57.5°	633.3	644.5	655.8	676.1	696.4	705.4	730.2	743.7	773.0	766.2	761.7
60°	570.2	579.2	590.4	594.9	619.7	635.5	658.0	671.6	709.9	718.9	732.4
62.5°	513.8	518.3	527.3	534.1	549.9	565.7	576.9	599.5	619.7	649.0	669.3
65°	462.0	466.5	473.3	477.8	480.0	502.6	509.3	534.1	540.9	572.4	590.4
67.5°	403.4	412.4	421.4	425.9	430.4	444.0	448.5	459.7	475.5	489.0	511.6
70°	342.5	349.3	358.3	365.1	374.1	383.1	396.6	403.4	414.7	423.7	441.7
72.5°	286.2	293.0	297.5	304.2	311.0	317.8	329.0	344.8	353.8	369.6	374.1
75°	232.1	238.9	243.4	247.9	254.7	259.2	263.7	279.4	288.5	302.0	315.5
77.5°	191.6	191.6	196.1	209.6	207.3	207.3	211.8	220.9	227.6	236.6	250.1
80°	148.7	151.0	153.2	164.5	166.8	169.0	166.8	173.5	180.3	182.5	191.6
82.5°	110.4	112.7	112.7	119.4	126.2	126.2	126.2	128.5	135.2	137.5	142.0
85°	74.4	76.6	78.9	81.1	85.6	87.9	90.1	90.1	94.7	96.9	99.2
87.5°	40.6	45.1	47.3	49.6	51.8	54.1	56.3	58.6	60.8	63.1	65.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3	4917.3
2.5°	4942.1	4930.9	4924.1	4906.1	4901.6	4872.3	4876.8	4872.3	4872.3	4879.0	4901.6
5°	5154.0	5099.9	5086.4	5048.0	5016.5	4962.4	4928.6	4910.6	4883.5	4872.3	4888.0
7.5°	5298.2	5257.6	5223.8	5190.0	5145.0	5081.9	5034.5	4980.4	4935.4	4892.5	4881.3
10°	5273.4	5318.5	5318.5	5298.2	5255.4	5192.3	5135.9	5068.3	4989.5	4921.8	4881.3
12.5°	5063.8	5142.7	5205.8	5253.1	5295.9	5253.1	5196.8	5142.7	5054.8	4955.6	4881.3
15°	4834.0	4915.1	4994.0	5093.1	5196.8	5239.6	5237.3	5174.2	5095.4	4991.7	4888.0
17.5°	4671.7	4728.0	4770.9	4879.0	5005.2	5115.7	5190.0	5194.5	5117.9	5025.5	4890.3
20°	4550.0	4590.6	4626.6	4687.5	4797.9	4933.1	5070.6	5147.2	5133.7	5032.3	4897.1
22.5°	4439.6	4468.9	4498.2	4543.2	4631.1	4719.0	4879.0	5036.8	5104.4	5021.0	4890.3
25°	4329.2	4360.7	4383.2	4414.8	4484.6	4556.8	4669.4	4865.5	5016.5	5012.0	4876.8
27.5°	4198.4	4241.3	4268.3	4311.1	4358.4	4412.5	4489.2	4674.0	4890.3	4966.9	4840.7
30°	4040.7	4103.8	4144.4	4191.7	4232.2	4279.6	4340.4	4453.1	4721.3	4879.0	4802.4
32.5°	3813.1	3925.8	4015.9	4061.0	4106.0	4146.6	4200.7	4295.3	4513.9	4759.6	4759.6
35°	3650.8	3702.7	3783.8	3914.5	3970.8	4011.4	4061.0	4135.3	4275.1	4617.6	4689.7
37.5°	3524.6	3544.9	3585.5	3713.9	3819.8	3885.2	3934.8	3982.1	4119.6	4423.8	4599.6
40°	3430.0	3423.2	3418.7	3479.5	3630.5	3734.2	3790.5	3837.9	3943.8	4191.7	4480.1
42.5°	3319.5	3312.8	3290.2	3306.0	3380.4	3553.9	3639.6	3691.4	3779.3	3948.3	4349.4
45°	3204.6	3193.3	3184.3	3168.6	3195.6	3292.5	3468.3	3544.9	3594.5	3745.5	4184.9
47.5°	3087.4	3071.6	3060.4	3046.9	3031.1	3076.2	3242.9	3380.4	3466.0	3560.7	3986.6
50°	2920.7	2940.9	2927.4	2911.6	2898.1	2889.1	2959.0	3184.3	3290.2	3366.9	3745.5
52.5°	1376.9	2677.3	2789.9	2774.2	2756.1	2740.4	2756.1	2927.4	3119.0	3179.8	3454.8
55°	784.3	1192.2	2481.2	2623.2	2607.4	2584.9	2571.3	2629.9	2916.1	2997.3	3188.8
57.5°	755.0	757.2	1095.2	2364.0	2451.9	2431.6	2415.9	2429.4	2672.8	2810.2	2956.7
60°	730.2	730.2	730.2	1045.7	2260.4	2267.1	2246.8	2224.3	2330.2	2600.6	2722.3
62.5°	676.1	689.6	696.4	696.4	1032.1	2093.6	2073.3	2066.5	2071.1	2348.2	2488.0
65°	606.2	637.8	651.3	660.3	660.3	1084.0	1895.3	1884.0	1868.2	1974.1	2251.3
67.5°	529.6	561.1	590.4	608.5	610.7	631.0	1131.3	1697.0	1674.4	1676.7	1998.9
70°	450.7	477.8	509.3	536.4	561.1	572.4	590.4	1408.5	1482.9	1451.3	1712.7
72.5°	389.9	401.1	423.7	450.7	480.0	507.1	522.8	561.1	1286.8	1253.0	1302.6
75°	324.5	333.5	349.3	367.3	389.9	421.4	448.5	475.5	682.8	1050.2	1043.4
77.5°	252.4	268.2	286.2	297.5	308.7	331.3	367.3	394.4	421.4	709.9	836.1
80°	193.8	205.1	214.1	225.4	238.9	254.7	268.2	299.7	331.3	356.1	640.0
82.5°	144.2	151.0	157.8	162.3	166.8	175.8	200.6	211.8	232.1	254.7	302.0
85°	101.4	105.9	110.4	112.7	114.9	117.2	126.2	128.5	148.7	153.2	182.5
87.5°	65.4	67.6	72.1	74.4	74.4	76.6	78.9	78.9	78.9	74.4	90.1
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-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	4917.3	4917.3
2.5°	4919.6	4955.6
5°	4912.8	4960.2
7.5°	4894.8	4939.9
10°	4867.8	4921.8
12.5°	4838.5	4890.3
15°	4813.7	4852.0
17.5°	4786.6	4809.2
20°	4750.6	4768.6
22.5°	4714.5	4705.5
25°	4674.0	4653.7
27.5°	4622.1	4583.8
30°	4574.8	4507.2
32.5°	4529.7	4419.3
35°	4468.9	4329.2
37.5°	4405.8	4236.8
40°	4331.4	4130.8
42.5°	4252.5	4024.9
45°	4153.4	3923.5
47.5°	4065.5	3801.8
50°	3943.8	3671.1
52.5°	3795.0	3549.4
55°	3619.3	3400.7
57.5°	3430.0	3245.2
60°	3227.1	3067.1
62.5°	2981.5	2882.3
65°	2693.0	2670.5
67.5°	2316.7	2436.1
70°	1899.8	2168.0
72.5°	1588.8	1884.0
75°	1302.6	1566.2
77.5°	1032.1	1228.2
80°	644.5	899.2
82.5°	432.7	590.4
85°	261.4	281.7
87.5°	101.4	103.7
90°	0.0	0.0

(END OF REPORT)