

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-LD5-128SL-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-LD5-128SL-RW-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
WHITE REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

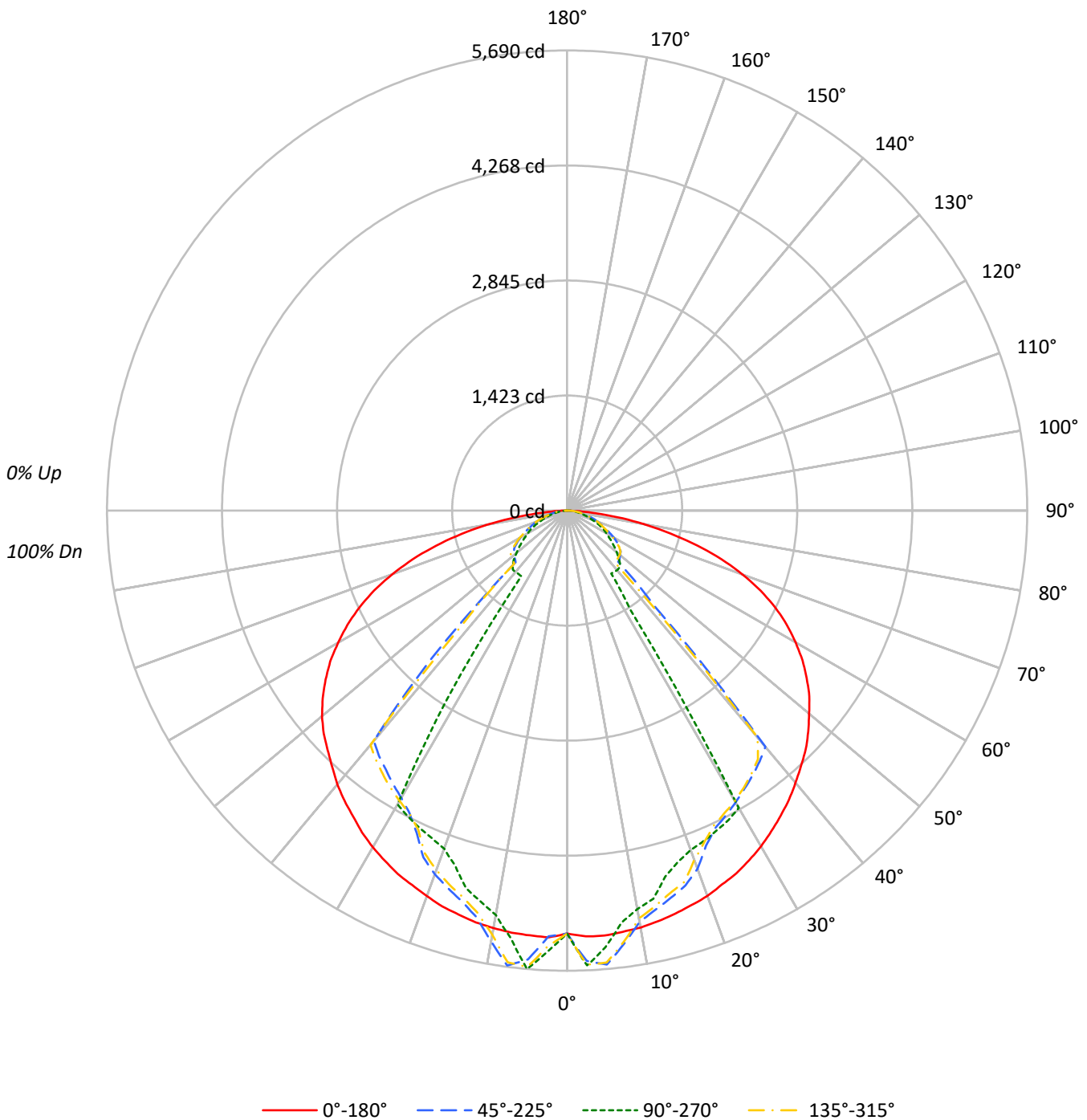
Lumens per Lamp: N/A  
Luminaire Lumens: 10473.0 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 103  
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	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°	21131	21131	21131	21131
5°	21368	21291	21358	22345
10°	21418	19249	21448	19544
15°	21496	17810	21546	18375
20°	21685	16892	21685	16829
25°	21906	16569	21938	16414
30°	22165	16277	22221	16084
35°	22466	3707	22512	3866
40°	22873	3855	23011	3980
45°	23478	3834	23559	3973
50°	24095	3467	24420	3560
55°	24923	3078	25121	3122
60°	25666	2735	25723	2770
65°	26275	2387	26208	2349
70°	26119	1924	26037	1854
75°	24572	1481	24749	1418
80°	20440	1052	21261	962
85°	11785	630	12445	483



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	514.6	4.9
10°-20°	1414.8	13.5
20°-30°	2095.6	20.0
30°-40°	2111.5	20.2
40°-50°	1649.4	15.7
50°-60°	1274.0	12.2
60°-70°	855.4	8.2
70°-80°	436.3	4.2
80°-90°	121.4	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°	4025.0	38.4
0°-40°	6136.4	58.6
0°-60°	9059.9	86.5
0°-90°	10473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10473.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5230	5230	5230	5230	5230	
5°	5276	5422	5273	5690	5276	502
15°	5160	4686	5172	4834	5160	1460
25°	4950	4367	4957	4326	4950	2283
35°	4604	949	4614	990	4604	2886
45°	4173	923	4187	956	4173	3218
55°	3617	671	3646	681	3617	3230
65°	2840	451	2833	443	2840	2793
75°	1666	228	1678	218	1666	1742
85°	300	72	316	55	300	412
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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5270.7	5289.9	5304.2	5313.8	5318.6	5318.6	5321.0	5323.4	5354.6	5369.0	5378.6
5°	5275.5	5294.7	5323.4	5361.8	5395.3	5424.1	5448.1	5481.6	5515.2	5551.1	5563.1
7.5°	5253.9	5277.9	5335.4	5404.9	5469.6	5515.2	5546.3	5567.9	5584.7	5587.1	5599.1
10°	5234.7	5277.9	5357.0	5448.1	5529.6	5584.7	5584.7	5572.7	5589.5	5524.8	5460.0
12.5°	5201.2	5249.1	5357.0	5476.8	5553.5	5575.1	5565.5	5517.6	5419.3	5340.2	5304.2
15°	5160.4	5225.2	5359.4	5493.6	5558.3	5565.5	5474.4	5352.2	5277.9	5229.9	5170.0
17.5°	5114.9	5201.2	5361.8	5496.0	5520.0	5486.4	5313.8	5237.1	5160.4	5047.8	4966.3
20°	5071.8	5155.6	5342.6	5462.4	5476.8	5325.8	5191.6	5110.1	4980.7	4882.4	4846.4
22.5°	5004.6	5102.9	5325.8	5416.9	5361.8	5186.8	5057.4	4927.9	4810.5	4781.7	4738.6
25°	4949.5	5052.6	5287.5	5361.8	5215.6	5059.8	4908.8	4757.8	4702.6	4661.9	4623.5
27.5°	4875.2	5002.2	5237.1	5261.1	5059.8	4923.1	4702.6	4635.5	4585.2	4539.7	4522.9
30°	4793.7	4949.5	5167.6	5122.1	4930.3	4729.0	4566.0	4503.7	4467.7	4419.8	4400.6
32.5°	4700.2	4870.4	5090.9	4961.5	4791.3	4539.7	4434.2	4386.3	4338.3	4302.4	4182.5
35°	4604.4	4800.9	4999.8	4808.1	4623.5	4395.8	4302.4	4259.2	4213.7	4081.9	3957.2
37.5°	4506.1	4724.2	4889.6	4642.7	4400.6	4247.2	4168.1	4120.2	4017.1	3849.4	3787.0
40°	4393.4	4630.7	4748.2	4472.5	4206.5	4096.2	4021.9	3974.0	3741.5	3667.2	3648.0
42.5°	4280.8	4539.7	4575.6	4307.2	4045.9	3935.6	3873.3	3715.1	3556.9	3518.6	3525.8
45°	4172.9	4441.4	4386.3	4072.3	3878.1	3787.0	3681.6	3463.5	3379.6	3398.7	3403.5
47.5°	4043.5	4323.9	4187.3	3837.4	3705.5	3614.5	3379.6	3247.7	3235.8	3262.1	3276.5
50°	3904.5	4192.1	3976.4	3624.1	3518.6	3410.7	3144.7	3077.6	3091.9	3118.3	3135.1
52.5°	3775.1	4043.5	3758.3	3425.1	3334.0	3087.2	2907.4	2919.4	2943.3	2974.5	2984.1
55°	3616.9	3863.7	3525.8	3223.8	3137.5	2813.9	2732.4	2761.2	2785.2	2811.5	2830.7
57.5°	3451.5	3657.6	3250.1	2998.5	2859.5	2571.8	2579.0	2598.2	2615.0	2646.1	1093.0
60°	3262.1	3422.7	2948.1	2789.9	2514.3	2380.1	2387.3	2420.8	2437.6	1361.4	752.6
62.5°	3065.6	3149.5	2674.9	2552.7	2197.9	2188.3	2221.9	2236.3	1522.0	719.1	704.7
65°	2840.3	2823.5	2406.4	2212.3	1982.2	1991.8	2027.7	1955.8	673.5	673.5	668.7
67.5°	2591.0	2490.3	2145.2	1831.2	1773.7	1795.2	1833.6	640.0	623.2	628.0	611.2
70°	2305.8	2164.4	1874.3	1550.8	1569.9	1591.5	618.4	580.0	572.8	560.9	527.3
72.5°	2003.8	1809.6	1534.0	1347.0	1359.0	853.3	541.7	522.5	498.5	474.6	438.6
75°	1665.8	1414.1	1126.5	1126.5	1143.3	486.6	472.2	441.0	414.7	383.5	361.9
77.5°	1306.3	1088.2	874.9	908.4	443.4	407.5	381.1	347.5	326.0	306.8	294.8
80°	956.3	759.8	659.1	589.6	345.1	309.2	282.8	263.7	254.1	242.1	227.7
82.5°	628.0	457.8	457.8	278.0	242.1	213.3	206.1	191.7	182.2	175.0	167.8
85°	299.6	266.1	201.3	170.2	151.0	136.6	131.8	124.6	124.6	122.2	119.8
87.5°	110.3	119.8	88.7	86.3	81.5	79.1	81.5	81.5	83.9	81.5	79.1
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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5402.5	5421.7	5436.1	5460.0	5491.2	5517.6	5541.5	5575.1	5627.8	5642.2	5654.2
5°	5563.1	5570.3	5587.1	5606.3	5611.0	5623.0	5620.6	5635.0	5642.2	5659.0	5623.0
7.5°	5572.7	5534.3	5488.8	5448.1	5419.3	5392.9	5376.2	5402.5	5416.9	5428.9	5392.9
10°	5371.4	5325.8	5299.5	5275.5	5246.7	5206.0	5150.9	5162.8	5158.0	5158.0	5146.1
12.5°	5244.3	5179.6	5112.5	5052.6	5026.2	5023.8	5026.2	5052.6	5052.6	5050.2	5035.8
15°	5045.4	4983.1	4949.5	4935.1	4935.1	4927.9	4927.9	4956.7	4949.5	4949.5	4942.3
17.5°	4913.6	4870.4	4846.4	4829.7	4822.5	4834.5	4848.8	4860.8	4863.2	4853.6	4815.3
20°	4805.7	4765.0	4736.2	4741.0	4738.6	4745.8	4753.0	4712.2	4661.9	4594.8	4563.6
22.5°	4693.1	4661.9	4640.3	4640.3	4611.6	4566.0	4498.9	4484.5	4477.3	4446.2	4419.8
25°	4585.2	4549.2	4518.1	4422.2	4362.3	4369.5	4357.5	4333.5	4331.1	4328.7	4338.3
27.5°	4477.3	4383.9	4264.0	4249.6	4225.7	4223.3	4237.6	4249.6	4249.6	4259.2	4271.2
30°	4254.4	4146.6	4125.0	4098.6	4108.2	4141.8	4149.0	4165.7	4170.5	4187.3	4196.9
32.5°	4050.7	4002.8	3983.6	3995.6	4026.7	4055.5	4072.3	4079.5	4091.4	4105.8	4117.8
35°	3885.3	3870.9	3887.7	3914.1	3945.2	3969.2	3983.6	3998.0	4009.9	4021.9	4031.5
37.5°	3763.1	3772.7	3796.6	3830.2	3861.3	3880.5	3892.5	3909.3	3926.1	3940.4	3882.9
40°	3648.0	3672.0	3698.4	3734.3	3760.7	3779.8	3791.8	3813.4	3669.6	1661.0	910.8
42.5°	3547.4	3573.7	3592.9	3621.7	3650.4	3664.8	3559.3	1589.1	898.8	894.0	906.0
45°	3425.1	3446.7	3477.8	3499.4	3525.8	2315.4	884.4	894.0	879.6	889.2	894.0
47.5°	3300.5	3334.0	3350.8	3197.4	951.6	879.6	870.1	879.6	870.1	882.0	874.9
50°	3159.1	3199.8	2277.0	860.5	853.3	848.5	858.1	853.3	860.5	870.1	850.9
52.5°	3015.2	1867.2	834.1	829.3	834.1	829.3	846.1	834.1	836.5	826.9	802.9
55°	1021.1	807.7	800.6	798.2	812.5	812.5	812.5	793.4	781.4	757.4	740.6
57.5°	781.4	781.4	779.0	781.4	776.6	771.8	750.2	733.4	716.7	683.1	673.5
60°	740.6	740.6	740.6	740.6	719.1	709.5	675.9	661.5	632.8	616.0	606.4
62.5°	707.1	702.3	680.7	673.5	649.5	623.2	604.0	589.6	560.9	551.3	544.1
65°	659.1	642.4	616.0	587.2	575.2	546.5	536.9	515.3	500.9	493.8	489.0
67.5°	580.0	556.1	534.5	515.3	493.8	484.2	472.2	455.4	445.8	441.0	436.2
70°	496.1	479.4	457.8	445.8	431.4	424.2	407.5	402.7	395.5	388.3	381.1
72.5°	414.7	405.1	395.5	378.7	373.9	369.1	352.3	342.8	333.2	323.6	318.8
75°	347.5	340.4	335.6	321.2	314.0	299.6	287.6	280.4	273.2	266.1	261.3
77.5°	285.2	280.4	266.1	256.5	251.7	239.7	234.9	237.3	232.5	222.9	218.1
80°	222.9	218.1	206.1	206.1	201.3	196.5	191.7	187.0	182.2	175.0	170.2
82.5°	170.2	165.4	160.6	155.8	151.0	148.6	146.2	141.4	136.6	131.8	129.4
85°	119.8	117.4	115.0	112.7	110.3	107.9	105.5	100.7	95.9	93.5	91.1
87.5°	81.5	79.1	76.7	74.3	71.9	69.5	67.1	64.7	59.9	57.5	55.1
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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5654.2	5666.2	5654.2	5627.8	5611.0	5603.9	5618.2	5618.2	5627.8	5639.8	5642.2
5°	5565.5	5536.7	5503.2	5469.6	5452.9	5443.3	5416.9	5421.7	5428.9	5433.7	5438.5
7.5°	5345.0	5306.6	5261.1	5218.0	5201.2	5186.8	5155.6	5155.6	5155.6	5158.0	5172.4
10°	5119.7	5102.9	5083.7	5055.0	5033.4	5026.2	4999.8	5007.0	5002.2	5009.4	5026.2
12.5°	5014.2	4995.1	4978.3	4949.5	4925.5	4916.0	4904.0	4911.2	4908.8	4920.8	4935.1
15°	4918.4	4908.8	4889.6	4868.0	4846.4	4827.3	4784.1	4769.7	4760.2	4748.2	4765.0
17.5°	4760.2	4693.1	4647.5	4614.0	4590.0	4573.2	4561.2	4561.2	4568.4	4575.6	4590.0
20°	4544.4	4525.3	4503.7	4467.7	4443.8	4434.2	4427.0	4427.0	4439.0	4448.6	4474.9
22.5°	4395.8	4393.4	4386.3	4369.5	4357.5	4357.5	4359.9	4364.7	4381.5	4395.8	4422.2
25°	4326.3	4335.9	4331.1	4321.5	4314.3	4316.7	4311.9	4316.7	4333.5	4347.9	4369.5
27.5°	4271.2	4285.6	4280.8	4266.4	4254.4	4259.2	4266.4	4261.6	4276.0	4292.8	4309.6
30°	4196.9	4199.3	4208.9	4192.1	4187.3	4194.5	4196.9	4201.7	4216.1	4228.1	4242.4
32.5°	4113.0	4132.2	4129.8	4113.0	4113.0	4120.2	4122.6	3962.0	3662.4	3154.3	3015.2
35°	4031.5	4053.1	4017.1	3386.8	2344.1	1251.2	965.9	932.4	939.6	944.4	949.2
37.5°	2981.7	1414.1	901.2	908.4	915.6	922.8	930.0	937.2	944.4	951.6	953.9
40°	896.4	894.0	901.2	910.8	918.0	922.8	932.4	939.6	946.8	953.9	956.3
42.5°	886.8	891.6	898.8	908.4	918.0	927.6	934.8	944.4	949.2	953.9	956.3
45°	882.0	891.6	901.2	908.4	915.6	920.4	925.2	927.6	925.2	925.2	930.0
47.5°	874.9	884.4	886.8	884.4	886.8	884.4	884.4	884.4	877.3	874.9	874.9
50°	848.5	848.5	843.7	834.1	831.7	829.3	824.5	822.1	812.5	810.1	810.1
52.5°	793.4	791.0	783.8	771.8	767.0	762.2	759.8	757.4	747.8	743.0	745.4
55°	728.6	723.9	716.7	702.3	699.9	695.1	692.7	690.3	680.7	685.5	678.3
57.5°	668.7	659.1	649.5	647.2	637.6	635.2	632.8	630.4	623.2	625.6	620.8
60°	596.8	594.4	589.6	580.0	580.0	577.6	577.6	572.8	568.1	565.7	565.7
62.5°	544.1	536.9	532.1	532.1	524.9	524.9	524.9	520.1	515.3	517.7	515.3
65°	486.6	484.2	481.8	477.0	477.0	474.6	474.6	469.8	462.6	465.0	460.2
67.5°	438.6	433.8	429.0	426.6	417.1	412.3	409.9	407.5	397.9	400.3	395.5
70°	378.7	371.5	366.7	361.9	354.7	349.9	349.9	345.1	338.0	340.4	335.6
72.5°	316.4	311.6	306.8	304.4	297.2	294.8	292.4	290.0	282.8	285.2	282.8
75°	263.7	263.7	261.3	258.9	251.7	244.5	239.7	237.3	232.5	234.9	230.1
77.5°	218.1	213.3	208.5	208.5	201.3	196.5	191.7	191.7	191.7	189.4	187.0
80°	170.2	165.4	165.4	163.0	158.2	153.4	151.0	151.0	148.6	148.6	146.2
82.5°	129.4	124.6	122.2	122.2	117.4	115.0	112.7	110.3	110.3	110.3	107.9
85°	91.1	86.3	83.9	83.9	79.1	76.7	76.7	74.3	74.3	71.9	71.9
87.5°	55.1	52.7	50.3	50.3	45.5	43.1	43.1	43.1	40.7	40.7	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-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5642.2	5642.2	5625.4	5630.2	5623.0	5632.6	5620.6	5620.6	5635.0	5635.0	5644.6
5°	5440.9	5428.9	5426.5	5421.7	5397.7	5407.3	5395.3	5383.3	5400.1	5400.1	5421.7
7.5°	5165.2	5143.7	5153.2	5138.9	5124.5	5102.9	5110.1	5100.5	5112.5	5129.3	5150.9
10°	5023.8	5004.6	5016.6	5002.2	5009.4	4978.3	4980.7	4983.1	4995.1	4999.8	5019.0
12.5°	4932.7	4927.9	4923.1	4918.4	4923.1	4906.4	4896.8	4899.2	4904.0	4906.4	4920.8
15°	4741.0	4709.8	4719.4	4685.9	4688.3	4690.7	4671.5	4690.7	4688.3	4719.4	4748.2
17.5°	4585.2	4585.2	4568.4	4554.0	4544.4	4542.0	4527.7	4537.3	4527.7	4546.8	4554.0
20°	4477.3	4474.9	4472.5	4465.3	4441.4	4443.8	4451.0	4429.4	4427.0	4424.6	4439.0
22.5°	4427.0	4429.4	4419.8	4419.8	4398.2	4403.0	4405.4	4381.5	4383.9	4376.7	4383.9
25°	4374.3	4379.1	4367.1	4367.1	4362.3	4359.9	4347.9	4352.7	4338.3	4326.3	4338.3
27.5°	4311.9	4321.5	4311.9	4316.7	4307.2	4302.4	4295.2	4290.4	4276.0	4273.6	4280.8
30°	4254.4	4259.2	4256.8	4244.8	4242.4	4228.1	4235.3	4220.9	4206.5	4208.9	4213.7
32.5°	2181.1	2082.9	1605.9	1450.1	1435.7	1488.4	1764.1	2147.6	2782.8	3398.7	3842.2
35°	951.6	951.6	951.6	949.2	949.2	946.8	944.4	942.0	939.6	937.2	934.8
37.5°	956.3	956.3	956.3	956.3	953.9	951.6	951.6	946.8	944.4	942.0	939.6
40°	958.7	961.1	961.1	961.1	958.7	958.7	956.3	951.6	949.2	944.4	939.6
42.5°	956.3	958.7	958.7	956.3	956.3	953.9	953.9	951.6	949.2	946.8	944.4
45°	925.2	927.6	922.8	922.8	920.4	920.4	920.4	920.4	920.4	922.8	922.8
47.5°	870.1	870.1	867.7	865.3	865.3	862.9	865.3	862.9	867.7	870.1	874.9
50°	805.3	805.3	800.6	798.2	798.2	798.2	798.2	800.6	802.9	807.7	812.5
52.5°	738.2	738.2	735.8	733.4	731.0	731.0	738.2	735.8	738.2	740.6	747.8
55°	673.5	675.9	671.1	671.1	668.7	668.7	668.7	671.1	673.5	675.9	683.1
57.5°	618.4	618.4	613.6	613.6	613.6	611.2	618.4	613.6	616.0	618.4	623.2
60°	563.3	560.9	560.9	558.5	558.5	558.5	563.3	560.9	560.9	563.3	568.1
62.5°	512.9	512.9	510.5	510.5	508.1	508.1	512.9	510.5	510.5	512.9	515.3
65°	455.4	455.4	453.0	450.6	457.8	450.6	457.8	453.0	457.8	460.2	465.0
67.5°	390.7	390.7	390.7	388.3	388.3	393.1	395.5	390.7	393.1	397.9	400.3
70°	333.2	333.2	330.8	330.8	330.8	335.6	338.0	333.2	335.6	338.0	342.8
72.5°	282.8	278.0	278.0	275.6	280.4	280.4	282.8	280.4	282.8	282.8	287.6
75°	232.5	227.7	227.7	227.7	232.5	230.1	232.5	230.1	232.5	232.5	234.9
77.5°	187.0	184.6	182.2	182.2	187.0	187.0	187.0	184.6	187.0	189.4	191.7
80°	146.2	143.8	141.4	141.4	146.2	146.2	146.2	148.6	146.2	148.6	151.0
82.5°	107.9	105.5	103.1	107.9	107.9	107.9	107.9	110.3	107.9	110.3	112.7
85°	71.9	69.5	67.1	71.9	71.9	71.9	71.9	74.3	71.9	74.3	76.7
87.5°	38.3	36.0	36.0	38.3	38.3	38.3	40.7	40.7	40.7	43.1	43.1
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-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5659.0	5666.2	5663.8	5649.4	5635.0	5618.2	5606.3	5608.7	5632.6	5639.8	5618.2
5°	5421.7	5467.2	5467.2	5498.4	5481.6	5467.2	5476.8	5529.6	5555.9	5596.7	5611.0
7.5°	5177.2	5198.8	5196.4	5227.5	5222.8	5222.8	5229.9	5299.5	5333.0	5366.6	5376.2
10°	5040.6	5062.2	5059.8	5062.2	5055.0	5038.2	5038.2	5069.4	5098.1	5114.9	5119.7
12.5°	4942.3	4954.3	4951.9	4951.9	4947.1	4932.7	4930.3	4956.7	4987.9	5009.4	5011.8
15°	4796.1	4829.7	4836.9	4868.0	4860.8	4841.7	4846.4	4868.0	4887.2	4906.4	4899.2
17.5°	4578.0	4594.8	4597.2	4609.2	4604.4	4604.4	4633.1	4712.2	4765.0	4810.5	4815.3
20°	4453.4	4465.3	4460.6	4486.9	4474.9	4472.5	4479.7	4513.3	4537.3	4558.8	4597.2
22.5°	4393.4	4403.0	4395.8	4398.2	4376.7	4357.5	4352.7	4379.1	4405.4	4434.2	4434.2
25°	4343.1	4350.3	4347.9	4343.1	4326.3	4300.0	4295.2	4300.0	4309.6	4311.9	4295.2
27.5°	4283.2	4288.0	4288.0	4290.4	4268.8	4244.8	4240.0	4235.3	4244.8	4242.4	4216.1
30°	4220.9	4213.7	4216.1	4218.5	4199.3	4177.7	4168.1	4165.7	4175.3	4172.9	4146.6
32.5°	4072.3	4127.4	4132.2	4137.0	4120.2	4101.0	4091.4	4084.2	4089.0	4086.6	4062.7
35°	932.4	949.2	1162.5	2631.8	3573.7	3957.2	3998.0	3988.4	3990.8	3990.8	3971.6
37.5°	934.8	932.4	930.0	922.8	915.6	910.8	1574.7	3358.0	3890.1	3892.5	3875.7
40°	934.8	932.4	930.0	925.2	915.6	908.4	896.4	886.8	908.4	1999.0	3657.6
42.5°	939.6	934.8	930.0	925.2	915.6	906.0	896.4	884.4	891.6	886.8	874.9
45°	925.2	922.8	922.8	920.4	915.6	906.0	894.0	879.6	872.5	879.6	867.7
47.5°	879.6	882.0	889.2	891.6	891.6	894.0	886.8	877.3	865.3	872.5	858.1
50°	817.3	822.1	824.5	836.5	841.3	850.9	853.3	853.3	850.9	860.5	850.9
52.5°	750.2	755.0	767.0	771.8	776.6	791.0	795.8	802.9	807.7	822.1	831.7
55°	685.5	687.9	692.7	702.3	709.5	721.5	728.6	735.8	747.8	755.0	783.8
57.5°	625.6	628.0	637.6	640.0	644.8	654.3	661.5	671.1	680.7	685.5	719.1
60°	568.1	570.5	577.6	580.0	582.4	592.0	599.2	606.4	613.6	618.4	642.4
62.5°	517.7	517.7	524.9	524.9	527.3	534.5	539.3	544.1	551.3	553.7	565.7
65°	467.4	469.8	474.6	474.6	477.0	481.8	484.2	486.6	493.8	493.8	503.3
67.5°	405.1	407.5	414.7	419.5	421.8	431.4	433.8	436.2	441.0	443.4	448.2
70°	345.1	347.5	354.7	357.1	359.5	366.7	371.5	378.7	385.9	393.1	397.9
72.5°	290.0	292.4	299.6	299.6	306.8	309.2	314.0	316.4	323.6	328.4	335.6
75°	237.3	239.7	246.9	246.9	254.1	256.5	258.9	261.3	266.1	270.8	275.6
77.5°	194.1	194.1	203.7	208.5	213.3	213.3	215.7	215.7	215.7	218.1	222.9
80°	153.4	153.4	160.6	165.4	170.2	170.2	172.6	175.0	177.4	177.4	179.8
82.5°	115.0	115.0	122.2	124.6	129.4	129.4	129.4	131.8	134.2	131.8	136.6
85°	79.1	79.1	83.9	86.3	91.1	91.1	91.1	93.5	95.9	93.5	95.9
87.5°	45.5	47.9	50.3	52.7	55.1	57.5	57.5	57.5	59.9	59.9	62.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5594.3	5565.5	5563.1	5529.6	5520.0	5522.4	5496.0	5486.4	5443.3	5433.7	5388.1
5°	5615.8	5630.2	5623.0	5620.6	5627.8	5623.0	5603.9	5594.3	5587.1	5567.9	5529.6
7.5°	5378.6	5388.1	5395.3	5426.5	5452.9	5498.4	5546.3	5577.5	5601.5	5606.3	5575.1
10°	5136.5	5182.0	5213.2	5261.1	5299.5	5325.8	5354.6	5380.9	5450.5	5520.0	5560.7
12.5°	5011.8	5023.8	5021.4	5047.8	5074.2	5143.7	5210.8	5249.1	5301.9	5333.0	5407.3
15°	4906.4	4908.8	4916.0	4935.1	4949.5	4973.5	5004.6	5062.2	5167.6	5215.6	5256.3
17.5°	4810.5	4810.5	4815.3	4832.1	4851.2	4872.8	4892.0	4916.0	4968.7	5047.8	5148.5
20°	4657.1	4724.2	4731.4	4729.0	4738.6	4779.3	4784.1	4827.3	4853.6	4884.8	4983.1
22.5°	4429.4	4470.1	4527.7	4616.4	4649.9	4669.1	4683.5	4702.6	4743.4	4779.3	4820.1
25°	4304.8	4331.1	4347.9	4374.3	4443.8	4556.4	4578.0	4599.6	4625.9	4652.3	4702.6
27.5°	4194.5	4192.1	4204.1	4228.1	4247.2	4307.2	4412.6	4496.5	4501.3	4539.7	4582.8
30°	4115.4	4101.0	4084.2	4079.5	4105.8	4137.0	4168.1	4300.0	4391.0	4410.2	4455.8
32.5°	4041.1	4017.1	3993.2	3974.0	3957.2	3983.6	4002.8	4060.3	4177.7	4288.0	4311.9
35°	3950.0	3926.1	3897.3	3875.7	3849.4	3847.0	3844.6	3899.7	3938.0	4069.9	4184.9
37.5°	3856.5	3830.2	3806.2	3782.2	3755.9	3736.7	3724.7	3739.1	3775.1	3832.6	4024.3
40°	3758.3	3727.1	3703.1	3684.0	3648.0	3633.6	3609.7	3600.1	3602.5	3652.8	3753.5
42.5°	2245.9	3580.9	3592.9	3571.3	3540.2	3521.0	3494.6	3482.6	3458.7	3482.6	3540.2
45°	865.3	874.9	2619.8	3461.1	3422.7	3398.7	3374.8	3362.8	3336.4	3317.3	3370.0
47.5°	848.5	858.1	838.9	1188.8	3266.9	3274.1	3245.3	3233.4	3207.0	3192.6	3178.2
50°	836.5	843.7	829.3	834.1	817.3	2993.7	3113.5	3099.1	3070.4	3053.6	3024.8
52.5°	824.5	824.5	814.9	802.9	798.2	800.6	2519.1	2962.5	2929.0	2912.2	2873.8
55°	786.2	791.0	800.6	781.4	776.6	774.2	767.0	2399.3	2773.2	2754.0	2720.4
57.5°	728.6	738.2	764.6	759.8	759.8	740.6	735.8	735.8	2226.7	2593.4	2559.8
60°	661.5	671.1	699.9	709.5	716.7	711.9	707.1	704.7	695.1	2346.5	2389.7
62.5°	592.0	601.6	611.2	642.4	651.9	663.9	678.3	671.1	661.5	661.5	2209.9
65°	517.7	532.1	536.9	565.7	577.6	599.2	611.2	628.0	623.2	620.8	632.8
67.5°	453.0	469.8	472.2	484.2	505.7	515.3	529.7	560.9	575.2	580.0	584.8
70°	397.9	407.5	414.7	419.5	433.8	436.2	462.6	484.2	505.7	529.7	536.9
72.5°	342.8	349.9	364.3	359.5	364.3	373.9	388.3	402.7	424.2	457.8	479.4
75°	280.4	285.2	294.8	299.6	309.2	316.4	326.0	338.0	357.1	373.9	402.7
77.5°	225.3	227.7	234.9	237.3	246.9	254.1	270.8	278.0	290.0	302.0	318.8
80°	182.2	182.2	184.6	184.6	191.7	198.9	210.9	218.1	232.5	242.1	242.1
82.5°	139.0	139.0	146.2	146.2	151.0	151.0	158.2	158.2	165.4	170.2	175.0
85°	98.3	100.7	105.5	103.1	107.9	105.5	110.3	115.0	117.4	115.0	112.7
87.5°	64.7	64.7	69.5	67.1	69.5	69.5	74.3	74.3	76.7	76.7	74.3
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-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5371.4	5335.4	5313.8	5287.5	5280.3	5273.1	5282.7	5282.7	5268.3	5256.3	5234.7
5°	5496.0	5457.6	5416.9	5373.8	5333.0	5289.9	5273.1	5270.7	5244.3	5229.9	5222.8
7.5°	5560.7	5541.5	5496.0	5436.1	5373.8	5297.1	5263.5	5244.3	5218.0	5213.2	5213.2
10°	5567.9	5546.3	5522.4	5479.2	5407.3	5306.6	5241.9	5203.6	5179.6	5196.4	5227.5
12.5°	5498.4	5539.1	5517.6	5488.8	5431.3	5309.0	5215.6	5158.0	5150.9	5194.0	5275.5
15°	5321.0	5440.9	5500.8	5472.0	5426.5	5304.2	5172.4	5105.3	5105.3	5194.0	5299.5
17.5°	5186.8	5280.3	5426.5	5450.5	5397.7	5294.7	5131.7	5052.6	5074.2	5203.6	5316.2
20°	5076.5	5134.1	5275.5	5409.7	5359.4	5273.1	5071.8	4990.3	5033.4	5189.2	5340.2
22.5°	4904.0	5019.0	5105.3	5304.2	5321.0	5232.3	5011.8	4913.6	4999.8	5189.2	5328.2
25°	4736.2	4875.2	4966.3	5160.4	5263.5	5182.0	4956.7	4832.1	4963.9	5182.0	5318.6
27.5°	4618.7	4683.5	4848.8	4987.9	5177.2	5114.9	4882.4	4743.4	4918.4	5143.7	5263.5
30°	4494.1	4537.3	4700.2	4832.1	5062.2	5038.2	4805.7	4645.1	4860.8	5107.7	5119.7
32.5°	4357.5	4405.4	4489.3	4681.1	4901.6	4966.3	4719.4	4546.8	4798.5	5052.6	4951.9
35°	4218.5	4254.4	4321.5	4527.7	4714.6	4858.4	4614.0	4434.2	4755.4	4968.7	4791.3
37.5°	4079.5	4117.8	4175.3	4347.9	4518.1	4757.8	4522.9	4321.5	4676.3	4820.1	4623.5
40°	3947.6	3969.2	4029.1	4137.0	4355.1	4654.7	4419.8	4204.1	4594.8	4630.7	4395.8
42.5°	3705.5	3813.4	3868.5	3954.8	4170.5	4513.3	4300.0	4079.5	4503.7	4441.4	4168.1
45°	3444.3	3679.2	3703.1	3789.4	4007.5	4362.3	4187.3	3957.2	4417.4	4278.4	3952.4
47.5°	3231.0	3401.1	3540.2	3612.1	3813.4	4184.9	4081.9	3854.1	4288.0	4072.3	3741.5
50°	3041.6	3132.7	3384.4	3437.1	3580.9	3971.6	3957.2	3734.3	4108.2	3813.4	3535.4
52.5°	2857.1	2921.8	3149.5	3262.1	3379.6	3741.5	3808.6	3616.9	3911.7	3554.5	3326.8
55°	2696.5	2718.0	2842.7	3080.0	3185.4	3509.0	3645.6	3480.2	3662.4	3307.7	3125.5
57.5°	2531.1	2511.9	2603.0	2907.4	2984.1	3271.7	3473.0	3341.2	3461.1	3056.0	2917.0
60°	2358.5	2332.1	2370.5	2571.8	2770.8	3036.8	3269.3	3187.8	3216.6	2806.7	2684.5
62.5°	2178.7	2152.4	2140.4	2267.4	2562.2	2794.7	3063.2	3017.6	2917.0	2579.0	2396.9
65°	1991.8	1965.4	1946.2	1996.6	2332.1	2480.7	2833.1	2821.1	2588.6	2339.3	2018.2
67.5°	606.4	1788.1	1747.3	1744.9	1965.4	2195.5	2583.8	2564.6	2257.8	2082.9	1737.7
70°	546.5	1450.1	1541.2	1519.6	1615.5	1905.5	2298.6	2284.2	1936.7	1670.6	1536.4
72.5°	500.9	512.9	1361.4	1337.4	1359.0	1620.3	2001.4	1963.0	1641.8	1318.3	1327.9
75°	429.0	450.6	469.8	1128.9	1100.2	1342.2	1677.8	1617.9	1354.2	1088.2	1109.7
77.5°	349.9	376.3	390.7	822.1	889.2	956.3	1339.8	1260.7	932.4	870.1	414.7
80°	261.3	282.8	306.8	328.4	675.9	668.7	994.7	915.6	649.5	541.7	323.6
82.5°	191.7	198.9	213.3	237.3	268.4	448.2	640.0	563.3	450.6	246.9	222.9
85°	119.8	129.4	136.6	143.8	163.0	268.4	316.4	251.7	189.4	151.0	141.4
87.5°	76.7	76.7	74.3	76.7	79.1	95.9	107.9	103.1	81.5	76.7	76.7
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-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5210.8	5177.2	5177.2	5167.6	5174.8	5174.8	5172.4	5174.8	5191.6	5201.2	5218.0
5°	5208.4	5198.8	5220.4	5246.7	5277.9	5316.2	5325.8	5359.4	5390.5	5431.3	5474.4
7.5°	5239.5	5273.1	5313.8	5357.0	5419.3	5464.8	5505.6	5546.3	5575.1	5613.4	5637.4
10°	5285.1	5352.2	5421.7	5476.8	5543.9	5582.3	5608.7	5613.4	5572.7	5508.0	5455.3
12.5°	5349.8	5428.9	5493.6	5546.3	5577.5	5563.1	5486.4	5407.3	5361.8	5294.7	5201.2
15°	5404.9	5476.8	5543.9	5522.4	5438.5	5359.4	5299.5	5206.0	5114.9	5052.6	5011.8
17.5°	5428.9	5498.4	5474.4	5361.8	5282.7	5191.6	5069.4	4997.5	4937.5	4889.6	4865.6
20°	5443.3	5431.3	5301.9	5220.4	5067.0	4983.1	4904.0	4836.9	4791.3	4767.4	4762.6
22.5°	5404.9	5258.7	5148.5	5002.2	4889.6	4820.1	4757.8	4702.6	4671.5	4652.3	4640.3
25°	5277.9	5107.7	4944.7	4829.7	4733.8	4673.9	4625.9	4580.4	4542.0	4532.5	4508.5
27.5°	5100.5	4961.5	4745.8	4657.1	4573.2	4544.4	4491.7	4446.2	4412.6	4383.9	4307.2
30°	4954.3	4733.8	4578.0	4496.5	4446.2	4412.6	4352.7	4304.8	4247.2	4141.8	4098.6
32.5°	4774.5	4556.4	4407.8	4362.3	4300.0	4271.2	4204.1	4098.6	4009.9	3966.8	3964.4
35°	4542.0	4362.3	4254.4	4213.7	4163.3	4115.4	3976.4	3880.5	3837.4	3842.2	3878.1
37.5°	4347.9	4187.3	4117.8	4060.3	4002.8	3880.5	3763.1	3717.5	3729.5	3753.5	3770.3
40°	4151.4	4029.1	3950.0	3904.5	3775.1	3655.2	3592.9	3609.7	3631.2	3648.0	3669.6
42.5°	3959.6	3873.3	3794.2	3705.5	3528.2	3463.5	3477.8	3499.4	3518.6	3542.6	3564.1
45°	3777.5	3700.8	3609.7	3408.3	3319.6	3336.4	3358.0	3374.8	3403.5	3420.3	3441.9
47.5°	3604.9	3523.4	3362.8	3185.4	3175.8	3209.4	3228.6	3250.1	3271.7	3228.6	1780.9
50°	3410.7	3326.8	3082.4	3015.2	3036.8	3068.0	3091.9	3113.5	2773.2	1102.6	848.5
52.5°	3219.0	3005.7	2849.9	2869.0	2890.6	2926.6	2943.3	2185.9	870.1	829.3	831.7
55°	3005.7	2732.4	2686.9	2710.8	2730.0	2766.0	1833.6	802.9	798.2	795.8	814.9
57.5°	2670.1	2504.7	2523.9	2547.9	2567.0	1812.0	781.4	776.6	779.0	781.4	783.8
60°	2370.5	2334.5	2356.1	2377.7	1682.6	755.0	740.6	743.0	752.6	745.4	726.2
62.5°	2133.2	2162.0	2183.5	1912.7	716.7	709.5	716.7	709.5	692.7	680.7	656.7
65°	1951.0	1979.8	1996.6	673.5	671.1	680.7	673.5	649.5	623.2	589.6	582.4
67.5°	1759.3	1788.1	640.0	623.2	632.8	620.8	592.0	563.3	544.1	515.3	503.3
70°	1560.4	668.7	580.0	577.6	560.9	541.7	510.5	481.8	457.8	445.8	433.8
72.5°	1126.5	529.7	522.5	503.3	474.6	448.2	421.8	405.1	393.1	385.9	378.7
75°	469.8	460.2	438.6	405.1	376.3	364.3	345.1	333.2	328.4	314.0	309.2
77.5°	393.1	373.9	342.8	318.8	302.0	294.8	280.4	266.1	258.9	256.5	246.9
80°	302.0	275.6	261.3	249.3	244.5	227.7	210.9	203.7	198.9	196.5	189.4
82.5°	206.1	196.5	187.0	170.2	170.2	163.0	155.8	151.0	146.2	146.2	141.4
85°	134.2	127.0	124.6	117.4	117.4	112.7	110.3	107.9	105.5	103.1	100.7
87.5°	76.7	76.7	79.1	76.7	76.7	74.3	71.9	69.5	67.1	67.1	62.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5239.5	5263.5	5268.3	5349.8	5395.3	5392.9	5378.6	5421.7	5395.3	5380.9	5395.3
5°	5517.6	5546.3	5570.3	5659.0	5690.1	5704.5	5702.1	5726.1	5706.9	5690.1	5690.1
7.5°	5654.2	5663.8	5673.4	5651.8	5637.4	5613.4	5577.5	5524.8	5498.4	5469.6	5433.7
10°	5428.9	5397.7	5409.7	5366.6	5330.6	5304.2	5270.7	5227.5	5191.6	5165.2	5124.5
12.5°	5153.2	5150.9	5155.6	5162.8	5126.9	5105.3	5078.9	5047.8	5021.4	4992.7	4959.1
15°	4985.5	4987.9	5007.0	4999.8	4987.9	4975.9	4947.1	4937.5	4913.6	4882.4	4863.2
17.5°	4865.6	4877.6	4896.8	4887.2	4868.0	4856.0	4834.5	4812.9	4791.3	4767.4	4738.6
20°	4760.2	4772.1	4784.1	4772.1	4736.2	4719.4	4690.7	4623.5	4575.6	4527.7	4484.5
22.5°	4645.1	4652.3	4642.7	4604.4	4513.3	4470.1	4436.6	4417.4	4376.7	4350.3	4323.9
25°	4501.3	4460.6	4398.2	4355.1	4319.1	4300.0	4285.6	4283.2	4278.4	4273.6	4261.6
27.5°	4266.4	4252.0	4218.5	4201.7	4204.1	4211.3	4213.7	4220.9	4213.7	4204.1	4194.5
30°	4091.4	4098.6	4101.0	4105.8	4117.8	4125.0	4127.4	4137.0	4132.2	4125.0	4120.2
32.5°	3981.2	3998.0	4007.5	4021.9	4029.1	4041.1	4041.1	4055.5	4041.1	4038.7	4033.9
35°	3890.1	3904.5	3909.3	3930.8	3938.0	3950.0	3950.0	3962.0	3950.0	3827.8	3022.4
37.5°	3799.0	3813.4	3823.0	3842.2	3844.6	3851.8	3554.5	2600.6	1677.8	1299.1	992.3
40°	3691.2	3707.9	3717.5	3724.7	2617.4	1661.0	1143.3	930.0	930.0	937.2	944.4
42.5°	3576.1	3588.1	2499.9	1454.9	906.0	903.6	910.8	918.0	925.2	934.8	944.4
45°	2811.5	1418.9	901.2	879.6	886.8	896.4	906.0	915.6	927.6	937.2	942.0
47.5°	922.8	865.3	877.3	867.7	879.6	891.6	901.2	910.8	913.2	915.6	913.2
50°	853.3	853.3	860.5	860.5	870.1	874.9	874.9	874.9	865.3	862.9	855.7
52.5°	824.5	843.7	834.1	838.9	834.1	826.9	819.7	812.5	798.2	793.4	783.8
55°	810.1	817.3	793.4	786.2	776.6	757.4	747.8	738.2	726.2	721.5	709.5
57.5°	776.6	759.8	733.4	721.5	704.7	685.5	675.9	668.7	656.7	651.9	644.8
60°	714.3	680.7	663.9	649.5	630.4	613.6	606.4	601.6	592.0	589.6	582.4
62.5°	637.6	608.8	594.4	575.2	560.9	551.3	544.1	541.7	532.1	532.1	527.3
65°	553.7	539.3	527.3	508.1	500.9	491.4	489.0	486.6	481.8	479.4	474.6
67.5°	486.6	477.0	460.2	450.6	445.8	438.6	433.8	429.0	419.5	414.7	407.5
70°	426.6	419.5	402.7	395.5	385.9	373.9	366.7	361.9	354.7	349.9	342.8
72.5°	369.1	347.5	335.6	328.4	321.2	309.2	306.8	302.0	294.8	292.4	285.2
75°	297.2	280.4	273.2	268.4	261.3	254.1	254.1	254.1	246.9	244.5	242.1
77.5°	237.3	227.7	222.9	218.1	215.7	210.9	203.7	201.3	194.1	194.1	191.7
80°	182.2	177.4	172.6	170.2	167.8	163.0	158.2	155.8	148.6	148.6	146.2
82.5°	134.2	131.8	129.4	127.0	124.6	122.2	115.0	112.7	107.9	107.9	105.5
85°	95.9	93.5	88.7	86.3	86.3	83.9	76.7	74.3	69.5	69.5	69.5
87.5°	59.9	57.5	55.1	52.7	50.3	47.9	43.1	40.7	40.7	36.0	33.6
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-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5366.6	5407.3	5402.5	5431.3	5438.5	5452.9	5457.6	5460.0	5424.1	5452.9	5455.3
5°	5683.0	5690.1	5694.9	5706.9	5718.9	5721.3	5709.3	5694.9	5699.7	5690.1	5666.2
7.5°	5428.9	5392.9	5385.7	5376.2	5371.4	5366.6	5345.0	5364.2	5342.6	5333.0	5299.5
10°	5117.3	5083.7	5081.3	5081.3	5088.5	5086.1	5081.3	5071.8	5090.9	5078.9	5071.8
12.5°	4954.3	4942.3	4949.5	4944.7	4963.9	4968.7	4963.9	4963.9	4959.1	4949.5	4954.3
15°	4856.0	4846.4	4853.6	4846.4	4860.8	4863.2	4851.2	4858.4	4846.4	4834.5	4829.7
17.5°	4726.6	4705.0	4688.3	4664.3	4666.7	4661.9	4647.5	4647.5	4635.5	4604.4	4606.8
20°	4477.3	4455.8	4446.2	4446.2	4458.2	4463.0	4460.6	4465.3	4453.4	4448.6	4429.4
22.5°	4321.5	4319.1	4323.9	4335.9	4355.1	4381.5	4383.9	4383.9	4383.9	4381.5	4357.5
25°	4266.4	4266.4	4271.2	4288.0	4302.4	4321.5	4326.3	4331.1	4326.3	4326.3	4304.8
27.5°	4204.1	4199.3	4208.9	4225.7	4242.4	4256.8	4268.8	4271.2	4264.0	4264.0	4271.2
30°	4127.4	4125.0	4137.0	4153.8	4168.1	4182.5	4194.5	4204.1	4194.5	4194.5	4187.3
32.5°	4048.3	4048.3	4053.1	3952.4	3664.8	3300.5	3307.7	3096.7	2950.5	2766.0	3010.5
35°	2526.3	1838.4	1579.5	1337.4	1167.3	1057.0	1054.6	1018.7	1001.9	989.9	987.5
37.5°	953.9	958.7	968.3	973.1	980.3	985.1	987.5	987.5	987.5	987.5	985.1
40°	951.6	961.1	968.3	975.5	982.7	987.5	987.5	989.9	992.3	992.3	992.3
42.5°	953.9	963.5	973.1	980.3	985.1	987.5	989.9	992.3	992.3	992.3	992.3
45°	951.6	956.3	956.3	958.7	958.7	958.7	961.1	961.1	958.7	956.3	961.1
47.5°	915.6	915.6	908.4	906.0	903.6	898.8	901.2	898.8	896.4	894.0	898.8
50°	853.3	843.7	838.9	834.1	831.7	826.9	829.3	826.9	824.5	819.7	826.9
52.5°	779.0	776.6	767.0	762.2	759.8	762.2	757.4	755.0	752.6	750.2	752.6
55°	707.1	697.5	695.1	690.3	687.9	690.3	687.9	685.5	683.1	680.7	683.1
57.5°	642.4	635.2	632.8	628.0	628.0	628.0	628.0	625.6	623.2	620.8	623.2
60°	580.0	575.2	572.8	572.8	570.5	570.5	570.5	568.1	565.7	565.7	568.1
62.5°	527.3	527.3	520.1	517.7	517.7	520.1	517.7	515.3	512.9	510.5	515.3
65°	472.2	462.6	460.2	455.4	450.6	453.0	450.6	448.2	445.8	443.4	448.2
67.5°	405.1	402.7	393.1	388.3	385.9	388.3	385.9	383.5	381.1	378.7	383.5
70°	340.4	340.4	330.8	328.4	326.0	326.0	323.6	323.6	321.2	318.8	323.6
72.5°	282.8	282.8	280.4	275.6	273.2	270.8	268.4	266.1	266.1	268.4	268.4
75°	234.9	230.1	220.5	222.9	220.5	218.1	218.1	215.7	213.3	218.1	215.7
77.5°	184.6	182.2	175.0	177.4	175.0	172.6	172.6	170.2	167.8	170.2	170.2
80°	139.0	139.0	136.6	134.2	134.2	131.8	129.4	129.4	127.0	129.4	129.4
82.5°	100.7	100.7	98.3	95.9	93.5	93.5	91.1	91.1	91.1	91.1	91.1
85°	64.7	62.3	62.3	57.5	57.5	57.5	55.1	55.1	55.1	55.1	55.1
87.5°	31.2	31.2	28.8	28.8	26.4	24.0	24.0	21.6	21.6	24.0	24.0
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-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5412.1	5443.3	5416.9	5428.9	5431.3	5472.0	5469.6	5479.2	5462.4	5443.3	5416.9
5°	5687.7	5673.4	5654.2	5699.7	5675.8	5704.5	5714.1	5733.3	5733.3	5730.9	5709.3
7.5°	5335.4	5304.2	5328.2	5345.0	5352.2	5333.0	5371.4	5414.5	5450.5	5472.0	5474.4
10°	5059.8	5069.4	5067.0	5074.2	5090.9	5088.5	5112.5	5136.5	5146.1	5160.4	5165.2
12.5°	4930.3	4927.9	4932.7	4949.5	4959.1	4956.7	4980.7	4995.1	4999.8	5002.2	4999.8
15°	4827.3	4810.5	4822.5	4824.9	4832.1	4832.1	4860.8	4882.4	4892.0	4896.8	4892.0
17.5°	4633.1	4592.4	4630.7	4630.7	4657.1	4652.3	4697.8	4733.8	4753.0	4767.4	4767.4
20°	4441.4	4422.2	4436.6	4431.8	4451.0	4448.6	4477.3	4501.3	4518.1	4530.1	4544.4
22.5°	4364.7	4369.5	4347.9	4350.3	4350.3	4347.9	4362.3	4374.3	4379.1	4386.3	4381.5
25°	4314.3	4319.1	4311.9	4300.0	4295.2	4300.0	4307.2	4321.5	4323.9	4319.1	4302.4
27.5°	4264.0	4249.6	4261.6	4240.0	4235.3	4244.8	4254.4	4256.8	4259.2	4259.2	4244.8
30°	4187.3	4175.3	4187.3	4177.7	4168.1	4177.7	4184.9	4184.9	4189.7	4192.1	4175.3
32.5°	2926.6	2950.5	3338.8	3573.7	3904.5	4072.3	4103.4	4103.4	4108.2	4108.2	4093.8
35°	997.1	999.5	1081.0	1172.1	1366.2	1605.9	1919.9	2082.9	2634.1	3293.3	3930.8
37.5°	985.1	982.7	980.3	977.9	975.5	973.1	968.3	965.9	980.3	1162.5	1577.1
40°	989.9	987.5	982.7	980.3	977.9	973.1	970.7	965.9	961.1	956.3	951.6
42.5°	989.9	987.5	985.1	982.7	980.3	977.9	973.1	968.3	963.5	956.3	949.2
45°	956.3	956.3	958.7	958.7	961.1	961.1	961.1	958.7	958.7	956.3	946.8
47.5°	894.0	894.0	901.2	901.2	906.0	910.8	910.8	915.6	922.8	927.6	930.0
50°	822.1	822.1	829.3	831.7	836.5	843.7	850.9	853.3	860.5	870.1	879.6
52.5°	750.2	750.2	757.4	757.4	762.2	769.4	776.6	779.0	788.6	798.2	810.1
55°	683.1	683.1	687.9	690.3	692.7	697.5	704.7	704.7	714.3	721.5	733.4
57.5°	623.2	628.0	628.0	628.0	630.4	635.2	640.0	640.0	647.2	654.3	663.9
60°	565.7	570.5	570.5	570.5	572.8	575.2	580.0	580.0	584.8	589.6	599.2
62.5°	512.9	517.7	517.7	520.1	520.1	522.5	527.3	524.9	529.7	532.1	539.3
65°	445.8	450.6	453.0	455.4	457.8	462.6	469.8	467.4	474.6	479.4	486.6
67.5°	381.1	385.9	385.9	388.3	390.7	395.5	400.3	400.3	407.5	412.3	421.8
70°	321.2	326.0	326.0	328.4	330.8	335.6	340.4	338.0	345.1	349.9	357.1
72.5°	266.1	270.8	270.8	273.2	273.2	278.0	282.8	287.6	287.6	292.4	297.2
75°	215.7	218.1	220.5	220.5	222.9	225.3	230.1	234.9	237.3	239.7	244.5
77.5°	170.2	172.6	175.0	175.0	177.4	179.8	182.2	191.7	196.5	198.9	198.9
80°	129.4	131.8	131.8	131.8	134.2	136.6	141.4	141.4	151.0	151.0	153.4
82.5°	91.1	93.5	93.5	93.5	95.9	100.7	103.1	105.5	110.3	112.7	112.7
85°	55.1	57.5	57.5	57.5	59.9	62.3	67.1	69.5	71.9	71.9	74.3
87.5°	21.6	24.0	26.4	26.4	28.8	31.2	33.6	36.0	38.3	38.3	40.7
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-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5388.1	5404.9	5388.1	5397.7	5409.7	5388.1	5337.8	5318.6	5311.4	5282.7	5263.5
5°	5687.7	5687.7	5680.6	5699.7	5697.3	5663.8	5611.0	5587.1	5563.1	5532.0	5508.0
7.5°	5474.4	5493.6	5505.6	5579.9	5627.8	5632.6	5666.2	5673.4	5683.0	5673.4	5659.0
10°	5167.6	5160.4	5194.0	5263.5	5304.2	5325.8	5390.5	5421.7	5448.1	5500.8	5555.9
12.5°	4995.1	5004.6	5019.0	5069.4	5107.7	5098.1	5124.5	5146.1	5177.2	5229.9	5309.0
15°	4880.0	4889.6	4904.0	4942.3	4966.3	4954.3	4968.7	4983.1	5004.6	5031.0	5078.9
17.5°	4755.4	4772.1	4788.9	4829.7	4851.2	4848.8	4860.8	4865.6	4872.8	4889.6	4923.1
20°	4561.2	4614.0	4647.5	4702.6	4733.8	4729.0	4750.6	4757.8	4767.4	4784.1	4798.5
22.5°	4383.9	4398.2	4415.0	4474.9	4527.7	4592.4	4606.8	4625.9	4649.9	4666.7	4681.1
25°	4283.2	4273.6	4280.8	4321.5	4350.3	4355.1	4376.7	4439.0	4503.7	4532.5	4566.0
27.5°	4223.3	4213.7	4211.3	4230.5	4235.3	4223.3	4218.5	4237.6	4285.6	4333.5	4434.2
30°	4158.6	4146.6	4137.0	4153.8	4160.9	4144.2	4113.0	4096.2	4125.0	4137.0	4177.7
32.5°	4081.9	4069.9	4065.1	4074.7	4079.5	4065.1	4031.5	4012.3	4007.5	3998.0	4007.5
35°	3995.6	3983.6	3976.4	3978.8	3988.4	3976.4	3947.6	3923.7	3911.7	3885.3	3866.1
37.5°	2058.9	2917.0	3787.0	3878.1	3887.7	3885.3	3856.5	3830.2	3818.2	3787.0	3777.5
40°	942.0	1052.2	1579.5	2063.7	2976.9	3782.2	3755.9	3729.5	3707.9	3698.4	3662.4
42.5°	939.6	942.0	944.4	932.4	1155.3	1967.8	2905.0	3626.4	3612.1	3588.1	3561.7
45°	939.6	927.6	937.2	922.8	927.6	925.2	1152.9	1860.0	3310.1	3458.7	3446.7
47.5°	930.0	922.8	932.4	920.4	906.0	913.2	903.6	915.6	1428.5	2423.2	3319.6
50°	886.8	891.6	908.4	906.0	894.0	903.6	886.8	901.2	889.2	975.5	1879.1
52.5°	822.1	831.7	848.5	862.9	867.7	879.6	874.9	879.6	870.1	872.5	874.9
55°	745.4	757.4	771.8	793.4	802.9	822.1	836.5	843.7	855.7	853.3	834.1
57.5°	673.5	685.5	697.5	719.1	740.6	750.2	776.6	791.0	822.1	814.9	810.1
60°	606.4	616.0	628.0	632.8	659.1	675.9	699.9	714.3	755.0	764.6	779.0
62.5°	546.5	551.3	560.9	568.1	584.8	601.6	613.6	637.6	659.1	690.3	711.9
65°	491.4	496.1	503.3	508.1	510.5	534.5	541.7	568.1	575.2	608.8	628.0
67.5°	429.0	438.6	448.2	453.0	457.8	472.2	477.0	489.0	505.7	520.1	544.1
70°	364.3	371.5	381.1	388.3	397.9	407.5	421.8	429.0	441.0	450.6	469.8
72.5°	304.4	311.6	316.4	323.6	330.8	338.0	349.9	366.7	376.3	393.1	397.9
75°	246.9	254.1	258.9	263.7	270.8	275.6	280.4	297.2	306.8	321.2	335.6
77.5°	203.7	203.7	208.5	222.9	220.5	220.5	225.3	234.9	242.1	251.7	266.1
80°	158.2	160.6	163.0	175.0	177.4	179.8	177.4	184.6	191.7	194.1	203.7
82.5°	117.4	119.8	119.8	127.0	134.2	134.2	134.2	136.6	143.8	146.2	151.0
85°	79.1	81.5	83.9	86.3	91.1	93.5	95.9	95.9	100.7	103.1	105.5
87.5°	43.1	47.9	50.3	52.7	55.1	57.5	59.9	62.3	64.7	67.1	69.5
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-LD5-128SL-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°	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9	5229.9
2.5°	5256.3	5244.3	5237.1	5218.0	5213.2	5182.0	5186.8	5182.0	5182.0	5189.2	5213.2
5°	5481.6	5424.1	5409.7	5369.0	5335.4	5277.9	5241.9	5222.8	5194.0	5182.0	5198.8
7.5°	5635.0	5591.9	5555.9	5520.0	5472.0	5404.9	5354.6	5297.1	5249.1	5203.6	5191.6
10°	5608.7	5656.6	5656.6	5635.0	5589.5	5522.4	5462.4	5390.5	5306.6	5234.7	5191.6
12.5°	5385.7	5469.6	5536.7	5587.1	5632.6	5587.1	5527.2	5469.6	5376.2	5270.7	5191.6
15°	5141.3	5227.5	5311.4	5416.9	5527.2	5572.7	5570.3	5503.2	5419.3	5309.0	5198.8
17.5°	4968.7	5028.6	5074.2	5189.2	5323.4	5440.9	5520.0	5524.8	5443.3	5345.0	5201.2
20°	4839.3	4882.4	4920.8	4985.5	5102.9	5246.7	5392.9	5474.4	5460.0	5352.2	5208.4
22.5°	4721.8	4753.0	4784.1	4832.1	4925.5	5019.0	5189.2	5357.0	5428.9	5340.2	5201.2
25°	4604.4	4637.9	4661.9	4695.4	4769.7	4846.4	4966.3	5174.8	5335.4	5330.6	5186.8
27.5°	4465.3	4510.9	4539.7	4585.2	4635.5	4693.1	4774.5	4971.1	5201.2	5282.7	5148.5
30°	4297.6	4364.7	4407.8	4458.2	4501.3	4551.6	4616.4	4736.2	5021.4	5189.2	5107.7
32.5°	4055.5	4175.3	4271.2	4319.1	4367.1	4410.2	4467.7	4568.4	4800.9	5062.2	5062.2
35°	3882.9	3938.0	4024.3	4163.3	4223.3	4266.4	4319.1	4398.2	4546.8	4911.2	4987.9
37.5°	3748.7	3770.3	3813.4	3950.0	4062.7	4132.2	4184.9	4235.3	4381.5	4705.0	4892.0
40°	3648.0	3640.8	3636.0	3700.8	3861.3	3971.6	4031.5	4081.9	4194.5	4458.2	4765.0
42.5°	3530.6	3523.4	3499.4	3516.2	3595.3	3779.8	3870.9	3926.1	4019.5	4199.3	4625.9
45°	3408.3	3396.3	3386.8	3370.0	3398.7	3501.8	3688.8	3770.3	3823.0	3983.6	4451.0
47.5°	3283.7	3266.9	3254.9	3240.6	3223.8	3271.7	3449.1	3595.3	3686.4	3787.0	4240.0
50°	3106.3	3127.9	3113.5	3096.7	3082.4	3072.8	3147.1	3386.8	3499.4	3580.9	3983.6
52.5°	1464.5	2847.5	2967.3	2950.5	2931.4	2914.6	2931.4	3113.5	3317.3	3382.0	3674.4
55°	834.1	1267.9	2638.9	2789.9	2773.2	2749.2	2734.8	2797.1	3101.5	3187.8	3391.6
57.5°	802.9	805.3	1164.9	2514.3	2607.8	2586.2	2569.4	2583.8	2842.7	2988.9	3144.7
60°	776.6	776.6	776.6	1112.1	2404.0	2411.2	2389.7	2365.7	2478.4	2766.0	2895.4
62.5°	719.1	733.4	740.6	740.6	1097.8	2226.7	2205.1	2197.9	2202.7	2497.5	2646.1
65°	644.8	678.3	692.7	702.3	702.3	1152.9	2015.8	2003.8	1987.0	2099.6	2394.5
67.5°	563.3	596.8	628.0	647.2	649.5	671.1	1203.2	1804.8	1780.9	1783.3	2126.0
70°	479.4	508.1	541.7	570.5	596.8	608.8	628.0	1498.0	1577.1	1543.6	1821.6
72.5°	414.7	426.6	450.6	479.4	510.5	539.3	556.1	596.8	1368.6	1332.7	1385.4
75°	345.1	354.7	371.5	390.7	414.7	448.2	477.0	505.7	726.2	1116.9	1109.7
77.5°	268.4	285.2	304.4	316.4	328.4	352.3	390.7	419.5	448.2	755.0	889.2
80°	206.1	218.1	227.7	239.7	254.1	270.8	285.2	318.8	352.3	378.7	680.7
82.5°	153.4	160.6	167.8	172.6	177.4	187.0	213.3	225.3	246.9	270.8	321.2
85°	107.9	112.7	117.4	119.8	122.2	124.6	134.2	136.6	158.2	163.0	194.1
87.5°	69.5	71.9	76.7	79.1	79.1	81.5	83.9	83.9	83.9	79.1	95.9
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-LD5-128SL-RW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	5229.9	5229.9
2.5°	5232.3	5270.7
5°	5225.2	5275.5
7.5°	5206.0	5253.9
10°	5177.2	5234.7
12.5°	5146.1	5201.2
15°	5119.7	5160.4
17.5°	5090.9	5114.9
20°	5052.6	5071.8
22.5°	5014.2	5004.6
25°	4971.1	4949.5
27.5°	4916.0	4875.2
30°	4865.6	4793.7
32.5°	4817.7	4700.2
35°	4753.0	4604.4
37.5°	4685.9	4506.1
40°	4606.8	4393.4
42.5°	4522.9	4280.8
45°	4417.4	4172.9
47.5°	4323.9	4043.5
50°	4194.5	3904.5
52.5°	4036.3	3775.1
55°	3849.4	3616.9
57.5°	3648.0	3451.5
60°	3432.3	3262.1
62.5°	3171.0	3065.6
65°	2864.2	2840.3
67.5°	2464.0	2591.0
70°	2020.6	2305.8
72.5°	1689.8	2003.8
75°	1385.4	1665.8
77.5°	1097.8	1306.3
80°	685.5	956.3
82.5°	460.2	628.0
85°	278.0	299.6
87.5°	107.9	110.3
90°	0.0	0.0

(END OF REPORT)