

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-LD5-136SL-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-LD5-136SL-RW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

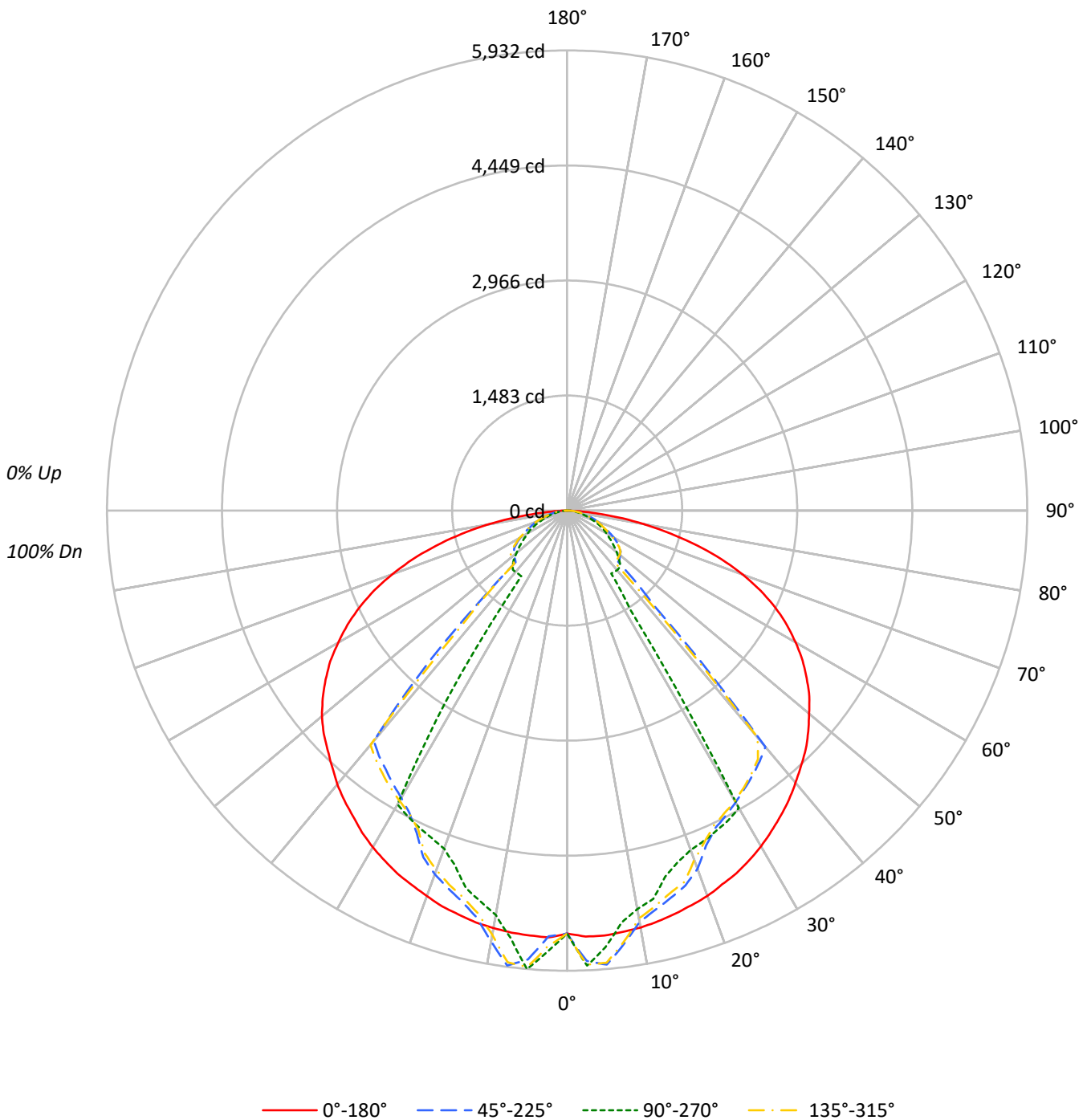
Lumens per Lamp: N/A
Luminaire Lumens: 10919.0 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 110
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77	75
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67	65
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22032	22032	22032	22032
5°	22278	22198	22268	23297
10°	22331	20069	22361	20377
15°	22412	18568	22464	19157
20°	22608	17612	22608	17545
25°	22839	17275	22872	17114
30°	23110	16970	23167	16769
35°	23422	3865	23471	4031
40°	23847	4020	23990	4150
45°	24477	3997	24562	4143
50°	25121	3614	25460	3712
55°	25984	3209	26191	3255
60°	26759	2852	26818	2888
65°	27393	2488	27324	2449
70°	27231	2006	27146	1933
75°	25620	1544	25804	1479
80°	21312	1096	22167	1003
85°	12288	657	12977	504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.5	4.9
10°-20°	1475.0	13.5
20°-30°	2184.8	20.0
30°-40°	2201.4	20.2
40°-50°	1719.6	15.7
50°-60°	1328.3	12.2
60°-70°	891.8	8.2
70°-80°	454.9	4.2
80°-90°	126.6	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4196.4	38.4
0°-40°	6397.8	58.6
0°-60°	9445.7	86.5
0°-90°	10919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10919.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5453	5453	5453	5453	5453	
5°	5500	5653	5498	5932	5500	523
15°	5380	4885	5393	5040	5380	1522
25°	5160	4553	5168	4511	5160	2380
35°	4800	990	4810	1032	4800	3008
45°	4351	962	4366	997	4351	3355
55°	3771	700	3801	710	3771	3368
65°	2961	470	2954	462	2961	2912
75°	1737	237	1749	227	1737	1816
85°	312	75	330	58	312	430
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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5495.1	5515.1	5530.1	5540.1	5545.1	5545.1	5547.6	5550.1	5582.6	5597.6	5607.6
5°	5500.1	5520.1	5550.1	5590.1	5625.1	5655.1	5680.1	5715.1	5750.0	5787.5	5800.0
7.5°	5477.7	5502.6	5562.6	5635.1	5702.6	5750.0	5782.5	5805.0	5822.5	5825.0	5837.5
10°	5457.7	5502.6	5585.1	5680.1	5765.0	5822.5	5822.5	5810.0	5827.5	5760.0	5692.6
12.5°	5422.7	5472.7	5585.1	5710.1	5790.0	5812.5	5802.5	5752.5	5650.1	5567.6	5530.1
15°	5380.2	5447.7	5587.6	5727.6	5795.0	5802.5	5707.6	5580.1	5502.6	5452.7	5390.2
17.5°	5332.7	5422.7	5590.1	5730.0	5755.0	5720.1	5540.1	5460.2	5380.2	5262.7	5177.8
20°	5287.7	5375.2	5570.1	5695.1	5710.1	5552.6	5412.7	5327.7	5192.8	5090.3	5052.8
22.5°	5217.8	5320.2	5552.6	5647.6	5590.1	5407.7	5272.7	5137.8	5015.4	4985.4	4940.4
25°	5160.3	5267.7	5512.6	5590.1	5437.7	5275.2	5117.8	4960.4	4902.9	4860.4	4820.4
27.5°	5082.8	5215.3	5460.2	5485.2	5275.2	5132.8	4902.9	4832.9	4780.5	4733.0	4715.5
30°	4997.9	5160.3	5387.7	5340.2	5140.3	4930.4	4760.5	4695.5	4658.0	4608.0	4588.0
32.5°	4900.4	5077.8	5307.7	5172.8	4995.4	4733.0	4623.0	4573.0	4523.1	4485.6	4360.6
35°	4800.4	5005.4	5212.8	5012.9	4820.4	4583.0	4485.6	4440.6	4393.1	4255.7	4125.7
37.5°	4698.0	4925.4	5097.8	4840.4	4588.0	4428.1	4345.6	4295.7	4188.2	4013.3	3948.3
40°	4580.5	4827.9	4950.4	4663.0	4385.6	4270.7	4193.2	4143.2	3900.8	3823.4	3803.4
42.5°	4463.1	4733.0	4770.5	4490.6	4218.2	4103.2	4038.3	3873.3	3708.4	3668.4	3675.9
45°	4350.6	4630.5	4573.0	4245.7	4043.3	3948.3	3838.4	3611.0	3523.5	3543.5	3548.5
47.5°	4215.7	4508.1	4365.6	4000.8	3863.3	3768.4	3523.5	3386.1	3373.6	3401.0	3416.0
50°	4070.8	4370.6	4145.7	3778.4	3668.4	3556.0	3278.6	3208.6	3223.6	3251.1	3268.6
52.5°	3935.8	4215.7	3918.3	3571.0	3476.0	3218.6	3031.2	3043.7	3068.7	3101.2	3111.2
55°	3770.9	4028.3	3675.9	3361.1	3271.1	2933.7	2848.8	2878.8	2903.8	2931.2	2951.2
57.5°	3598.5	3813.4	3388.6	3126.2	2981.2	2681.4	2688.8	2708.8	2726.3	2758.8	1139.5
60°	3401.0	3568.5	3073.7	2908.8	2621.4	2481.4	2488.9	2523.9	2541.4	1419.4	784.7
62.5°	3196.1	3283.6	2788.8	2661.4	2291.5	2281.5	2316.5	2331.5	1586.8	749.7	734.7
65°	2961.2	2943.7	2508.9	2306.5	2066.6	2076.6	2114.1	2039.1	702.2	702.2	697.2
67.5°	2701.3	2596.4	2236.5	1909.2	1849.2	1871.7	1911.7	667.2	649.7	654.7	637.2
70°	2404.0	2256.5	1954.2	1616.8	1636.8	1659.3	644.7	604.7	597.2	584.7	549.8
72.5°	2089.1	1886.7	1599.3	1404.4	1416.9	889.6	564.8	544.8	519.8	494.8	457.3
75°	1736.8	1474.4	1174.5	1174.5	1192.0	507.3	492.3	459.8	432.3	399.8	377.3
77.5°	1361.9	1134.5	912.1	947.1	462.3	424.8	397.3	362.3	339.9	319.9	307.4
80°	997.1	792.2	687.2	614.7	359.8	322.4	294.9	274.9	264.9	252.4	237.4
82.5°	654.7	477.3	477.3	289.9	252.4	222.4	214.9	199.9	189.9	182.4	174.9
85°	312.4	277.4	209.9	177.4	157.4	142.4	137.4	129.9	129.9	127.4	124.9
87.5°	115.0	124.9	92.5	90.0	85.0	82.5	85.0	85.0	87.5	85.0	82.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5632.6	5652.6	5667.6	5692.6	5725.1	5752.5	5777.5	5812.5	5867.5	5882.5	5895.0
5°	5800.0	5807.5	5825.0	5845.0	5850.0	5862.5	5860.0	5875.0	5882.5	5900.0	5862.5
7.5°	5810.0	5770.0	5722.6	5680.1	5650.1	5622.6	5605.1	5632.6	5647.6	5660.1	5622.6
10°	5600.1	5552.6	5525.1	5500.1	5470.2	5427.7	5370.2	5382.7	5377.7	5377.7	5365.2
12.5°	5467.7	5400.2	5330.2	5267.7	5240.3	5237.8	5240.3	5267.7	5267.7	5265.2	5250.3
15°	5260.2	5195.3	5160.3	5145.3	5145.3	5137.8	5137.8	5167.8	5160.3	5160.3	5152.8
17.5°	5122.8	5077.8	5052.8	5035.3	5027.8	5040.3	5055.3	5067.8	5070.3	5060.3	5020.4
20°	5010.4	4967.9	4937.9	4942.9	4940.4	4947.9	4955.4	4912.9	4860.4	4790.5	4758.0
22.5°	4892.9	4860.4	4837.9	4837.9	4807.9	4760.5	4690.5	4675.5	4668.0	4635.5	4608.0
25°	4780.5	4743.0	4710.5	4610.5	4548.1	4555.6	4543.1	4518.1	4515.6	4513.1	4523.1
27.5°	4668.0	4570.5	4445.6	4430.6	4405.6	4403.1	4418.1	4430.6	4430.6	4440.6	4453.1
30°	4435.6	4323.2	4300.7	4273.2	4283.2	4318.2	4325.6	4343.1	4348.1	4365.6	4375.6
32.5°	4223.2	4173.2	4153.2	4165.7	4198.2	4228.2	4245.7	4253.2	4265.7	4280.7	4293.2
35°	4050.8	4035.8	4053.3	4080.8	4113.2	4138.2	4153.2	4168.2	4180.7	4193.2	4203.2
37.5°	3923.3	3933.3	3958.3	3993.3	4025.8	4045.8	4058.3	4075.8	4093.2	4108.2	4048.3
40°	3803.4	3828.4	3855.9	3893.3	3920.8	3940.8	3953.3	3975.8	3825.9	1731.8	949.6
42.5°	3698.4	3725.9	3745.9	3775.9	3805.9	3820.9	3710.9	1656.8	937.1	932.1	944.6
45°	3571.0	3593.5	3625.9	3648.4	3675.9	2414.0	922.1	932.1	917.1	927.1	932.1
47.5°	3441.0	3476.0	3493.5	3333.6	992.1	917.1	907.1	917.1	907.1	919.6	912.1
50°	3293.6	3336.1	2374.0	897.1	889.6	884.6	894.6	889.6	897.1	907.1	887.1
52.5°	3143.7	1946.7	869.6	864.6	869.6	864.6	882.1	869.6	872.1	862.1	837.1
55°	1064.5	842.1	834.6	832.1	847.1	847.1	847.1	827.1	814.7	789.7	772.2
57.5°	814.7	814.7	812.2	814.7	809.7	804.7	782.2	764.7	747.2	712.2	702.2
60°	772.2	772.2	772.2	772.2	749.7	739.7	704.7	689.7	659.7	642.2	632.2
62.5°	737.2	732.2	709.7	702.2	677.2	649.7	629.7	614.7	584.7	574.8	567.3
65°	687.2	669.7	642.2	612.2	599.7	569.8	559.8	537.3	522.3	514.8	509.8
67.5°	604.7	579.8	557.3	537.3	514.8	504.8	492.3	474.8	464.8	459.8	454.8
70°	517.3	499.8	477.3	464.8	449.8	442.3	424.8	419.8	412.3	404.8	397.3
72.5°	432.3	422.3	412.3	394.8	389.8	384.8	367.3	357.3	347.4	337.4	332.4
75°	362.3	354.8	349.9	334.9	327.4	312.4	299.9	292.4	284.9	277.4	272.4
77.5°	297.4	292.4	277.4	267.4	262.4	249.9	244.9	247.4	242.4	232.4	227.4
80°	232.4	227.4	214.9	214.9	209.9	204.9	199.9	194.9	189.9	182.4	177.4
82.5°	177.4	172.4	167.4	162.4	157.4	154.9	152.4	147.4	142.4	137.4	134.9
85°	124.9	122.4	119.9	117.4	115.0	112.5	110.0	105.0	100.0	97.5	95.0
87.5°	85.0	82.5	80.0	77.5	75.0	72.5	70.0	67.5	62.5	60.0	57.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5895.0	5907.5	5895.0	5867.5	5850.0	5842.5	5857.5	5857.5	5867.5	5880.0	5882.5
5°	5802.5	5772.5	5737.5	5702.6	5685.1	5675.1	5647.6	5652.6	5660.1	5665.1	5670.1
7.5°	5572.6	5532.6	5485.2	5440.2	5422.7	5407.7	5375.2	5375.2	5375.2	5377.7	5392.7
10°	5337.7	5320.2	5300.2	5270.2	5247.8	5240.3	5212.8	5220.3	5215.3	5222.8	5240.3
12.5°	5227.8	5207.8	5190.3	5160.3	5135.3	5125.3	5112.8	5120.3	5117.8	5130.3	5145.3
15°	5127.8	5117.8	5097.8	5075.3	5052.8	5032.8	4987.9	4972.9	4962.9	4950.4	4967.9
17.5°	4962.9	4892.9	4845.4	4810.4	4785.5	4768.0	4755.5	4755.5	4763.0	4770.5	4785.5
20°	4738.0	4718.0	4695.5	4658.0	4633.0	4623.0	4615.5	4615.5	4628.0	4638.0	4665.5
22.5°	4583.0	4580.5	4573.0	4555.6	4543.1	4543.1	4545.6	4550.6	4568.0	4583.0	4610.5
25°	4510.6	4520.6	4515.6	4505.6	4498.1	4500.6	4495.6	4500.6	4518.1	4533.1	4555.6
27.5°	4453.1	4468.1	4463.1	4448.1	4435.6	4440.6	4448.1	4443.1	4458.1	4475.6	4493.1
30°	4375.6	4378.1	4388.1	4370.6	4365.6	4373.1	4375.6	4380.6	4395.6	4408.1	4423.1
32.5°	4288.2	4308.2	4305.7	4288.2	4288.2	4295.7	4298.2	4130.7	3818.4	3288.6	3143.7
35°	4203.2	4225.7	4188.2	3531.0	2444.0	1304.4	1007.1	972.1	979.6	984.6	989.6
37.5°	3108.7	1474.4	939.6	947.1	954.6	962.1	969.6	977.1	984.6	992.1	994.6
40°	934.6	932.1	939.6	949.6	957.1	962.1	972.1	979.6	987.1	994.6	997.1
42.5°	924.6	929.6	937.1	947.1	957.1	967.1	974.6	984.6	989.6	994.6	997.1
45°	919.6	929.6	939.6	947.1	954.6	959.6	964.6	967.1	964.6	964.6	969.6
47.5°	912.1	922.1	924.6	922.1	924.6	922.1	922.1	922.1	914.6	912.1	912.1
50°	884.6	884.6	879.6	869.6	867.1	864.6	859.6	857.1	847.1	844.6	844.6
52.5°	827.1	824.6	817.2	804.7	799.7	794.7	792.2	789.7	779.7	774.7	777.2
55°	759.7	754.7	747.2	732.2	729.7	724.7	722.2	719.7	709.7	714.7	707.2
57.5°	697.2	687.2	677.2	674.7	664.7	662.2	659.7	657.2	649.7	652.2	647.2
60°	622.2	619.7	614.7	604.7	604.7	602.2	602.2	597.2	592.2	589.7	589.7
62.5°	567.3	559.8	554.8	554.8	547.3	547.3	547.3	542.3	537.3	539.8	537.3
65°	507.3	504.8	502.3	497.3	497.3	494.8	494.8	489.8	482.3	484.8	479.8
67.5°	457.3	452.3	447.3	444.8	434.8	429.8	427.3	424.8	414.8	417.3	412.3
70°	394.8	387.3	382.3	377.3	369.8	364.8	364.8	359.8	352.3	354.8	349.9
72.5°	329.9	324.9	319.9	317.4	309.9	307.4	304.9	302.4	294.9	297.4	294.9
75°	274.9	274.9	272.4	269.9	262.4	254.9	249.9	247.4	242.4	244.9	239.9
77.5°	227.4	222.4	217.4	217.4	209.9	204.9	199.9	199.9	199.9	197.4	194.9
80°	177.4	172.4	172.4	169.9	164.9	159.9	157.4	157.4	154.9	154.9	152.4
82.5°	134.9	129.9	127.4	127.4	122.4	119.9	117.4	115.0	115.0	115.0	112.5
85°	95.0	90.0	87.5	87.5	82.5	80.0	80.0	77.5	77.5	75.0	75.0
87.5°	57.5	55.0	52.5	52.5	47.5	45.0	45.0	45.0	42.5	42.5	40.0
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5882.5	5882.5	5865.0	5870.0	5862.5	5872.5	5860.0	5860.0	5875.0	5875.0	5885.0
5°	5672.6	5660.1	5657.6	5652.6	5627.6	5637.6	5625.1	5612.6	5630.1	5630.1	5652.6
7.5°	5385.2	5362.7	5372.7	5357.7	5342.7	5320.2	5327.7	5317.7	5330.2	5347.7	5370.2
10°	5237.8	5217.8	5230.3	5215.3	5222.8	5190.3	5192.8	5195.3	5207.8	5212.8	5232.8
12.5°	5142.8	5137.8	5132.8	5127.8	5132.8	5115.3	5105.3	5107.8	5112.8	5115.3	5130.3
15°	4942.9	4910.4	4920.4	4885.4	4887.9	4890.4	4870.4	4890.4	4887.9	4920.4	4950.4
17.5°	4780.5	4780.5	4763.0	4748.0	4738.0	4735.5	4720.5	4730.5	4720.5	4740.5	4748.0
20°	4668.0	4665.5	4663.0	4655.5	4630.5	4633.0	4640.5	4618.0	4615.5	4613.0	4628.0
22.5°	4615.5	4618.0	4608.0	4608.0	4585.5	4590.5	4593.0	4568.0	4570.5	4563.0	4570.5
25°	4560.5	4565.5	4553.1	4553.1	4548.1	4545.6	4533.1	4538.1	4523.1	4510.6	4523.1
27.5°	4495.6	4505.6	4495.6	4500.6	4490.6	4485.6	4478.1	4473.1	4458.1	4455.6	4463.1
30°	4435.6	4440.6	4438.1	4425.6	4423.1	4408.1	4415.6	4400.6	4385.6	4388.1	4393.1
32.5°	2274.0	2171.6	1674.3	1511.9	1496.9	1551.8	1839.2	2239.0	2901.3	3543.5	4005.8
35°	992.1	992.1	992.1	989.6	989.6	987.1	984.6	982.1	979.6	977.1	974.6
37.5°	997.1	997.1	997.1	997.1	994.6	992.1	992.1	987.1	984.6	982.1	979.6
40°	999.6	1002.1	1002.1	1002.1	999.6	999.6	997.1	992.1	989.6	984.6	979.6
42.5°	997.1	999.6	999.6	997.1	997.1	994.6	994.6	992.1	989.6	987.1	984.6
45°	964.6	967.1	962.1	962.1	959.6	959.6	959.6	959.6	959.6	962.1	962.1
47.5°	907.1	907.1	904.6	902.1	902.1	899.6	902.1	899.6	904.6	907.1	912.1
50°	839.6	839.6	834.6	832.1	832.1	832.1	832.1	834.6	837.1	842.1	847.1
52.5°	769.7	769.7	767.2	764.7	762.2	762.2	769.7	767.2	769.7	772.2	779.7
55°	702.2	704.7	699.7	699.7	697.2	697.2	697.2	699.7	702.2	704.7	712.2
57.5°	644.7	644.7	639.7	639.7	639.7	637.2	644.7	639.7	642.2	644.7	649.7
60°	587.2	584.7	584.7	582.3	582.3	582.3	587.2	584.7	584.7	587.2	592.2
62.5°	534.8	534.8	532.3	532.3	529.8	529.8	534.8	532.3	532.3	534.8	537.3
65°	474.8	474.8	472.3	469.8	477.3	469.8	477.3	472.3	477.3	479.8	484.8
67.5°	407.3	407.3	407.3	404.8	404.8	409.8	412.3	407.3	409.8	414.8	417.3
70°	347.4	347.4	344.9	344.9	344.9	349.9	352.3	347.4	349.9	352.3	357.3
72.5°	294.9	289.9	289.9	287.4	292.4	292.4	294.9	292.4	294.9	294.9	299.9
75°	242.4	237.4	237.4	237.4	242.4	239.9	242.4	239.9	242.4	242.4	244.9
77.5°	194.9	192.4	189.9	189.9	194.9	194.9	194.9	192.4	194.9	197.4	199.9
80°	152.4	149.9	147.4	147.4	152.4	152.4	152.4	154.9	152.4	154.9	157.4
82.5°	112.5	110.0	107.5	112.5	112.5	112.5	112.5	115.0	112.5	115.0	117.4
85°	75.0	72.5	70.0	75.0	75.0	75.0	75.0	77.5	75.0	77.5	80.0
87.5°	40.0	37.5	37.5	40.0	40.0	40.0	42.5	42.5	42.5	45.0	45.0
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5900.0	5907.5	5905.0	5890.0	5875.0	5857.5	5845.0	5847.5	5872.5	5880.0	5857.5
5°	5652.6	5700.1	5700.1	5732.5	5715.1	5700.1	5710.1	5765.0	5792.5	5835.0	5850.0
7.5°	5397.7	5420.2	5417.7	5450.2	5445.2	5445.2	5452.7	5525.1	5560.1	5595.1	5605.1
10°	5255.3	5277.7	5275.2	5277.7	5270.2	5252.8	5252.8	5285.2	5315.2	5332.7	5337.7
12.5°	5152.8	5165.3	5162.8	5162.8	5157.8	5142.8	5140.3	5167.8	5200.3	5222.8	5225.3
15°	5000.4	5035.3	5042.8	5075.3	5067.8	5047.8	5052.8	5075.3	5095.3	5115.3	5107.8
17.5°	4773.0	4790.5	4792.9	4805.4	4800.4	4800.4	4830.4	4912.9	4967.9	5015.4	5020.4
20°	4643.0	4655.5	4650.5	4678.0	4665.5	4663.0	4670.5	4705.5	4730.5	4753.0	4792.9
22.5°	4580.5	4590.5	4583.0	4585.5	4563.0	4543.1	4538.1	4565.5	4593.0	4623.0	4623.0
25°	4528.1	4535.6	4533.1	4528.1	4510.6	4483.1	4478.1	4483.1	4493.1	4495.6	4478.1
27.5°	4465.6	4470.6	4470.6	4473.1	4450.6	4425.6	4420.6	4415.6	4425.6	4423.1	4395.6
30°	4400.6	4393.1	4395.6	4398.1	4378.1	4355.6	4345.6	4343.1	4353.1	4350.6	4323.2
32.5°	4245.7	4303.2	4308.2	4313.2	4295.7	4275.7	4265.7	4258.2	4263.2	4260.7	4235.7
35°	972.1	989.6	1212.0	2743.8	3725.9	4125.7	4168.2	4158.2	4160.7	4160.7	4140.7
37.5°	974.6	972.1	969.6	962.1	954.6	949.6	1641.8	3501.0	4055.8	4058.3	4040.8
40°	974.6	972.1	969.6	964.6	954.6	947.1	934.6	924.6	947.1	2084.1	3813.4
42.5°	979.6	974.6	969.6	964.6	954.6	944.6	934.6	922.1	929.6	924.6	912.1
45°	964.6	962.1	962.1	959.6	954.6	944.6	932.1	917.1	909.6	917.1	904.6
47.5°	917.1	919.6	927.1	929.6	929.6	932.1	924.6	914.6	902.1	909.6	894.6
50°	852.1	857.1	859.6	872.1	877.1	887.1	889.6	889.6	887.1	897.1	887.1
52.5°	782.2	787.2	799.7	804.7	809.7	824.6	829.6	837.1	842.1	857.1	867.1
55°	714.7	717.2	722.2	732.2	739.7	752.2	759.7	767.2	779.7	787.2	817.2
57.5°	652.2	654.7	664.7	667.2	672.2	682.2	689.7	699.7	709.7	714.7	749.7
60°	592.2	594.7	602.2	604.7	607.2	617.2	624.7	632.2	639.7	644.7	669.7
62.5°	539.8	539.8	547.3	547.3	549.8	557.3	562.3	567.3	574.8	577.3	589.7
65°	487.3	489.8	494.8	494.8	497.3	502.3	504.8	507.3	514.8	514.8	524.8
67.5°	422.3	424.8	432.3	437.3	439.8	449.8	452.3	454.8	459.8	462.3	467.3
70°	359.8	362.3	369.8	372.3	374.8	382.3	387.3	394.8	402.3	409.8	414.8
72.5°	302.4	304.9	312.4	312.4	319.9	322.4	327.4	329.9	337.4	342.4	349.9
75°	247.4	249.9	257.4	257.4	264.9	267.4	269.9	272.4	277.4	282.4	287.4
77.5°	202.4	202.4	212.4	217.4	222.4	222.4	224.9	224.9	224.9	227.4	232.4
80°	159.9	159.9	167.4	172.4	177.4	177.4	179.9	182.4	184.9	184.9	187.4
82.5°	119.9	119.9	127.4	129.9	134.9	134.9	134.9	137.4	139.9	137.4	142.4
85°	82.5	82.5	87.5	90.0	95.0	95.0	95.0	97.5	100.0	97.5	100.0
87.5°	47.5	50.0	52.5	55.0	57.5	60.0	60.0	60.0	62.5	62.5	65.0
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5832.5	5802.5	5800.0	5765.0	5755.0	5757.5	5730.0	5720.1	5675.1	5665.1	5617.6
5°	5855.0	5870.0	5862.5	5860.0	5867.5	5862.5	5842.5	5832.5	5825.0	5805.0	5765.0
7.5°	5607.6	5617.6	5625.1	5657.6	5685.1	5732.5	5782.5	5815.0	5840.0	5845.0	5812.5
10°	5355.2	5402.7	5435.2	5485.2	5525.1	5552.6	5582.6	5610.1	5682.6	5755.0	5797.5
12.5°	5225.3	5237.8	5235.3	5262.7	5290.2	5362.7	5432.7	5472.7	5527.6	5560.1	5637.6
15°	5115.3	5117.8	5125.3	5145.3	5160.3	5185.3	5217.8	5277.7	5387.7	5437.7	5480.2
17.5°	5015.4	5015.4	5020.4	5037.8	5057.8	5080.3	5100.3	5125.3	5180.3	5262.7	5367.7
20°	4855.4	4925.4	4932.9	4930.4	4940.4	4982.9	4987.9	5032.8	5060.3	5092.8	5195.3
22.5°	4618.0	4660.5	4720.5	4812.9	4847.9	4867.9	4882.9	4902.9	4945.4	4982.9	5025.4
25°	4488.1	4515.6	4533.1	4560.5	4633.0	4750.5	4773.0	4795.4	4822.9	4850.4	4902.9
27.5°	4373.1	4370.6	4383.1	4408.1	4428.1	4490.6	4600.5	4688.0	4693.0	4733.0	4778.0
30°	4290.7	4275.7	4258.2	4253.2	4280.7	4313.2	4345.6	4483.1	4578.0	4598.0	4645.5
32.5°	4213.2	4188.2	4163.2	4143.2	4125.7	4153.2	4173.2	4233.2	4355.6	4470.6	4495.6
35°	4118.2	4093.2	4063.3	4040.8	4013.3	4010.8	4008.3	4065.8	4105.7	4243.2	4363.1
37.5°	4020.8	3993.3	3968.3	3943.3	3915.8	3895.8	3883.3	3898.3	3935.8	3995.8	4195.7
40°	3918.3	3885.8	3860.8	3840.9	3803.4	3788.4	3763.4	3753.4	3755.9	3808.4	3913.3
42.5°	2341.5	3733.4	3745.9	3723.4	3690.9	3670.9	3643.4	3630.9	3606.0	3630.9	3690.9
45°	902.1	912.1	2731.3	3608.5	3568.5	3543.5	3518.5	3506.0	3478.5	3458.5	3513.5
47.5°	884.6	894.6	874.6	1239.5	3406.0	3413.5	3383.6	3371.1	3343.6	3328.6	3313.6
50°	872.1	879.6	864.6	869.6	852.1	3121.2	3246.1	3231.1	3201.1	3183.6	3153.7
52.5°	859.6	859.6	849.6	837.1	832.1	834.6	2626.4	3088.7	3053.7	3036.2	2996.2
55°	819.6	824.6	834.6	814.7	809.7	807.2	799.7	2501.4	2891.3	2871.3	2836.3
57.5°	759.7	769.7	797.2	792.2	792.2	772.2	767.2	767.2	2321.5	2703.8	2668.9
60°	689.7	699.7	729.7	739.7	747.2	742.2	737.2	734.7	724.7	2446.5	2491.4
62.5°	617.2	627.2	637.2	669.7	679.7	692.2	707.2	699.7	689.7	689.7	2304.0
65°	539.8	554.8	559.8	589.7	602.2	624.7	637.2	654.7	649.7	647.2	659.7
67.5°	472.3	489.8	492.3	504.8	527.3	537.3	552.3	584.7	599.7	604.7	609.7
70°	414.8	424.8	432.3	437.3	452.3	454.8	482.3	504.8	527.3	552.3	559.8
72.5°	357.3	364.8	379.8	374.8	379.8	389.8	404.8	419.8	442.3	477.3	499.8
75°	292.4	297.4	307.4	312.4	322.4	329.9	339.9	352.3	372.3	389.8	419.8
77.5°	234.9	237.4	244.9	247.4	257.4	264.9	282.4	289.9	302.4	314.9	332.4
80°	189.9	189.9	192.4	192.4	199.9	207.4	219.9	227.4	242.4	252.4	252.4
82.5°	144.9	144.9	152.4	152.4	157.4	157.4	164.9	164.9	172.4	177.4	182.4
85°	102.5	105.0	110.0	107.5	112.5	110.0	115.0	119.9	122.4	119.9	117.4
87.5°	67.5	67.5	72.5	70.0	72.5	72.5	77.5	77.5	80.0	80.0	77.5
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5600.1	5562.6	5540.1	5512.6	5505.1	5497.6	5507.6	5507.6	5492.7	5480.2	5457.7
5°	5730.0	5690.1	5647.6	5602.6	5560.1	5515.1	5497.6	5495.1	5467.7	5452.7	5445.2
7.5°	5797.5	5777.5	5730.0	5667.6	5602.6	5522.6	5487.7	5467.7	5440.2	5435.2	5435.2
10°	5805.0	5782.5	5757.5	5712.6	5637.6	5532.6	5465.2	5425.2	5400.2	5417.7	5450.2
12.5°	5732.5	5775.0	5752.5	5722.6	5662.6	5535.1	5437.7	5377.7	5370.2	5415.2	5500.1
15°	5547.6	5672.6	5735.0	5705.1	5657.6	5530.1	5392.7	5322.7	5322.7	5415.2	5525.1
17.5°	5407.7	5505.1	5657.6	5682.6	5627.6	5520.1	5350.2	5267.7	5290.2	5425.2	5542.6
20°	5292.7	5352.7	5500.1	5640.1	5587.6	5497.6	5287.7	5202.8	5247.8	5410.2	5567.6
22.5°	5112.8	5232.8	5322.7	5530.1	5547.6	5455.2	5225.3	5122.8	5212.8	5410.2	5555.1
25°	4937.9	5082.8	5177.8	5380.2	5487.7	5402.7	5167.8	5037.8	5175.3	5402.7	5545.1
27.5°	4815.4	4882.9	5055.3	5200.3	5397.7	5332.7	5090.3	4945.4	5127.8	5362.7	5487.7
30°	4685.5	4730.5	4900.4	5037.8	5277.7	5252.8	5010.4	4842.9	5067.8	5325.2	5337.7
32.5°	4543.1	4593.0	4680.5	4880.4	5110.3	5177.8	4920.4	4740.5	5002.9	5267.7	5162.8
35°	4398.1	4435.6	4505.6	4720.5	4915.4	5065.3	4810.4	4623.0	4957.9	5180.3	4995.4
37.5°	4253.2	4293.2	4353.1	4533.1	4710.5	4960.4	4715.5	4505.6	4875.4	5025.4	4820.4
40°	4115.7	4138.2	4200.7	4313.2	4540.6	4852.9	4608.0	4383.1	4790.5	4827.9	4583.0
42.5°	3863.3	3975.8	4033.3	4123.2	4348.1	4705.5	4483.1	4253.2	4695.5	4630.5	4345.6
45°	3591.0	3835.9	3860.8	3950.8	4178.2	4548.1	4365.6	4125.7	4605.5	4460.6	4120.7
47.5°	3368.6	3546.0	3690.9	3765.9	3975.8	4363.1	4255.7	4018.3	4470.6	4245.7	3900.8
50°	3171.1	3266.1	3528.5	3583.5	3733.4	4140.7	4125.7	3893.3	4283.2	3975.8	3685.9
52.5°	2978.7	3046.2	3283.6	3401.0	3523.5	3900.8	3970.8	3770.9	4078.3	3705.9	3468.5
55°	2811.3	2833.8	2963.7	3211.1	3321.1	3658.4	3800.9	3628.4	3818.4	3448.5	3258.6
57.5°	2638.9	2618.9	2713.8	3031.2	3111.2	3411.0	3621.0	3483.5	3608.5	3186.1	3041.2
60°	2458.9	2431.5	2471.4	2681.4	2888.8	3166.1	3408.5	3323.6	3353.6	2926.2	2798.8
62.5°	2271.5	2244.0	2231.5	2364.0	2671.4	2913.8	3193.6	3146.2	3041.2	2688.8	2498.9
65°	2076.6	2049.1	2029.1	2081.6	2431.5	2586.4	2953.7	2941.2	2698.8	2439.0	2104.1
67.5°	632.2	1864.2	1821.7	1819.2	2049.1	2289.0	2693.8	2673.9	2354.0	2171.6	1811.7
70°	569.8	1511.9	1606.8	1584.3	1684.3	1986.7	2396.5	2381.5	2019.1	1741.8	1601.8
72.5°	522.3	534.8	1419.4	1394.4	1416.9	1689.3	2086.6	2046.6	1711.8	1374.4	1384.4
75°	447.3	469.8	489.8	1177.0	1147.0	1399.4	1749.3	1686.8	1411.9	1134.5	1157.0
77.5°	364.8	392.3	407.3	857.1	927.1	997.1	1396.9	1314.4	972.1	907.1	432.3
80°	272.4	294.9	319.9	342.4	704.7	697.2	1037.1	954.6	677.2	564.8	337.4
82.5°	199.9	207.4	222.4	247.4	279.9	467.3	667.2	587.2	469.8	257.4	232.4
85°	124.9	134.9	142.4	149.9	169.9	279.9	329.9	262.4	197.4	157.4	147.4
87.5°	80.0	80.0	77.5	80.0	82.5	100.0	112.5	107.5	85.0	80.0	80.0
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5432.7	5397.7	5397.7	5387.7	5395.2	5395.2	5392.7	5395.2	5412.7	5422.7	5440.2
5°	5430.2	5420.2	5442.7	5470.2	5502.6	5542.6	5552.6	5587.6	5620.1	5662.6	5707.6
7.5°	5462.7	5497.6	5540.1	5585.1	5650.1	5697.6	5740.0	5782.5	5812.5	5852.5	5877.5
10°	5510.1	5580.1	5652.6	5710.1	5780.0	5820.0	5847.5	5852.5	5810.0	5742.5	5687.6
12.5°	5577.6	5660.1	5727.6	5782.5	5815.0	5800.0	5720.1	5637.6	5590.1	5520.1	5422.7
15°	5635.1	5710.1	5780.0	5757.5	5670.1	5587.6	5525.1	5427.7	5332.7	5267.7	5225.3
17.5°	5660.1	5732.5	5707.6	5590.1	5507.6	5412.7	5285.2	5210.3	5147.8	5097.8	5072.8
20°	5675.1	5662.6	5527.6	5442.7	5282.7	5195.3	5112.8	5042.8	4995.4	4970.4	4965.4
22.5°	5635.1	5482.7	5367.7	5215.3	5097.8	5025.4	4960.4	4902.9	4870.4	4850.4	4837.9
25°	5502.6	5325.2	5155.3	5035.3	4935.4	4872.9	4822.9	4775.5	4735.5	4725.5	4700.5
27.5°	5317.7	5172.8	4947.9	4855.4	4768.0	4738.0	4683.0	4635.5	4600.5	4570.5	4490.6
30°	5165.3	4935.4	4773.0	4688.0	4635.5	4600.5	4538.1	4488.1	4428.1	4318.2	4273.2
32.5°	4977.9	4750.5	4595.5	4548.1	4483.1	4453.1	4383.1	4273.2	4180.7	4135.7	4133.2
35°	4735.5	4548.1	4435.6	4393.1	4340.6	4290.7	4145.7	4045.8	4000.8	4005.8	4043.3
37.5°	4533.1	4365.6	4293.2	4233.2	4173.2	4045.8	3923.3	3875.8	3888.3	3913.3	3930.8
40°	4328.1	4200.7	4118.2	4070.8	3935.8	3810.9	3745.9	3763.4	3785.9	3803.4	3825.9
42.5°	4128.2	4038.3	3955.8	3863.3	3678.4	3611.0	3625.9	3648.4	3668.4	3693.4	3715.9
45°	3938.3	3858.3	3763.4	3553.5	3461.0	3478.5	3501.0	3518.5	3548.5	3566.0	3588.5
47.5°	3758.4	3673.4	3506.0	3321.1	3311.1	3346.1	3366.1	3388.6	3411.0	3366.1	1856.7
50°	3556.0	3468.5	3213.6	3143.7	3166.1	3198.6	3223.6	3246.1	2891.3	1149.5	884.6
52.5°	3356.1	3133.7	2971.2	2991.2	3013.7	3051.2	3068.7	2279.0	907.1	864.6	867.1
55°	3133.7	2848.8	2801.3	2826.3	2846.3	2883.8	1911.7	837.1	832.1	829.6	849.6
57.5°	2783.8	2611.4	2631.4	2656.4	2676.4	1889.2	814.7	809.7	812.2	814.7	817.2
60°	2471.4	2434.0	2456.4	2478.9	1754.2	787.2	772.2	774.7	784.7	777.2	757.2
62.5°	2224.0	2254.0	2276.5	1994.1	747.2	739.7	747.2	739.7	722.2	709.7	684.7
65°	2034.1	2064.1	2081.6	702.2	699.7	709.7	702.2	677.2	649.7	614.7	607.2
67.5°	1834.2	1864.2	667.2	649.7	659.7	647.2	617.2	587.2	567.3	537.3	524.8
70°	1626.8	697.2	604.7	602.2	584.7	564.8	532.3	502.3	477.3	464.8	452.3
72.5°	1174.5	552.3	544.8	524.8	494.8	467.3	439.8	422.3	409.8	402.3	394.8
75°	489.8	479.8	457.3	422.3	392.3	379.8	359.8	347.4	342.4	327.4	322.4
77.5°	409.8	389.8	357.3	332.4	314.9	307.4	292.4	277.4	269.9	267.4	257.4
80°	314.9	287.4	272.4	259.9	254.9	237.4	219.9	212.4	207.4	204.9	197.4
82.5°	214.9	204.9	194.9	177.4	177.4	169.9	162.4	157.4	152.4	152.4	147.4
85°	139.9	132.4	129.9	122.4	122.4	117.4	115.0	112.5	110.0	107.5	105.0
87.5°	80.0	80.0	82.5	80.0	80.0	77.5	75.0	72.5	70.0	70.0	65.0
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5462.7	5487.7	5492.7	5577.6	5625.1	5622.6	5607.6	5652.6	5625.1	5610.1	5625.1
5°	5752.5	5782.5	5807.5	5900.0	5932.5	5947.5	5945.0	5969.9	5950.0	5932.5	5932.5
7.5°	5895.0	5905.0	5915.0	5892.5	5877.5	5852.5	5815.0	5760.0	5732.5	5702.6	5665.1
10°	5660.1	5627.6	5640.1	5595.1	5557.6	5530.1	5495.1	5450.2	5412.7	5385.2	5342.7
12.5°	5372.7	5370.2	5375.2	5382.7	5345.2	5322.7	5295.2	5262.7	5235.3	5205.3	5170.3
15°	5197.8	5200.3	5220.3	5212.8	5200.3	5187.8	5157.8	5147.8	5122.8	5090.3	5070.3
17.5°	5072.8	5085.3	5105.3	5095.3	5075.3	5062.8	5040.3	5017.9	4995.4	4970.4	4940.4
20°	4962.9	4975.4	4987.9	4975.4	4937.9	4920.4	4890.4	4820.4	4770.5	4720.5	4675.5
22.5°	4842.9	4850.4	4840.4	4800.4	4705.5	4660.5	4625.5	4605.5	4563.0	4535.6	4508.1
25°	4693.0	4650.5	4585.5	4540.6	4503.1	4483.1	4468.1	4465.6	4460.6	4455.6	4443.1
27.5°	4448.1	4433.1	4398.1	4380.6	4383.1	4390.6	4393.1	4400.6	4393.1	4383.1	4373.1
30°	4265.7	4273.2	4275.7	4280.7	4293.2	4300.7	4303.2	4313.2	4308.2	4300.7	4295.7
32.5°	4150.7	4168.2	4178.2	4193.2	4200.7	4213.2	4213.2	4228.2	4213.2	4210.7	4205.7
35°	4055.8	4070.8	4075.8	4098.2	4105.7	4118.2	4118.2	4130.7	4118.2	3990.8	3151.2
37.5°	3960.8	3975.8	3985.8	4005.8	4008.3	4015.8	3705.9	2711.3	1749.3	1354.4	1034.6
40°	3848.4	3865.8	3875.8	3883.3	2728.8	1731.8	1192.0	969.6	969.6	977.1	984.6
42.5°	3728.4	3740.9	2606.4	1516.9	944.6	942.1	949.6	957.1	964.6	974.6	984.6
45°	2931.2	1479.4	939.6	917.1	924.6	934.6	944.6	954.6	967.1	977.1	982.1
47.5°	962.1	902.1	914.6	904.6	917.1	929.6	939.6	949.6	952.1	954.6	952.1
50°	889.6	889.6	897.1	897.1	907.1	912.1	912.1	912.1	902.1	899.6	892.1
52.5°	859.6	879.6	869.6	874.6	869.6	862.1	854.6	847.1	832.1	827.1	817.2
55°	844.6	852.1	827.1	819.6	809.7	789.7	779.7	769.7	757.2	752.2	739.7
57.5°	809.7	792.2	764.7	752.2	734.7	714.7	704.7	697.2	684.7	679.7	672.2
60°	744.7	709.7	692.2	677.2	657.2	639.7	632.2	627.2	617.2	614.7	607.2
62.5°	664.7	634.7	619.7	599.7	584.7	574.8	567.3	564.8	554.8	554.8	549.8
65°	577.3	562.3	549.8	529.8	522.3	512.3	509.8	507.3	502.3	499.8	494.8
67.5°	507.3	497.3	479.8	469.8	464.8	457.3	452.3	447.3	437.3	432.3	424.8
70°	444.8	437.3	419.8	412.3	402.3	389.8	382.3	377.3	369.8	364.8	357.3
72.5°	384.8	362.3	349.9	342.4	334.9	322.4	319.9	314.9	307.4	304.9	297.4
75°	309.9	292.4	284.9	279.9	272.4	264.9	264.9	264.9	257.4	254.9	252.4
77.5°	247.4	237.4	232.4	227.4	224.9	219.9	212.4	209.9	202.4	202.4	199.9
80°	189.9	184.9	179.9	177.4	174.9	169.9	164.9	162.4	154.9	154.9	152.4
82.5°	139.9	137.4	134.9	132.4	129.9	127.4	119.9	117.4	112.5	112.5	110.0
85°	100.0	97.5	92.5	90.0	90.0	87.5	80.0	77.5	72.5	72.5	72.5
87.5°	62.5	60.0	57.5	55.0	52.5	50.0	45.0	42.5	42.5	37.5	35.0
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5595.1	5637.6	5632.6	5662.6	5670.1	5685.1	5690.1	5692.6	5655.1	5685.1	5687.6
5°	5925.0	5932.5	5937.5	5950.0	5962.4	5964.9	5952.5	5937.5	5942.5	5932.5	5907.5
7.5°	5660.1	5622.6	5615.1	5605.1	5600.1	5595.1	5572.6	5592.6	5570.1	5560.1	5525.1
10°	5335.2	5300.2	5297.7	5297.7	5305.2	5302.7	5297.7	5287.7	5307.7	5295.2	5287.7
12.5°	5165.3	5152.8	5160.3	5155.3	5175.3	5180.3	5175.3	5175.3	5170.3	5160.3	5165.3
15°	5062.8	5052.8	5060.3	5052.8	5067.8	5070.3	5057.8	5065.3	5052.8	5040.3	5035.3
17.5°	4927.9	4905.4	4887.9	4862.9	4865.4	4860.4	4845.4	4845.4	4832.9	4800.4	4802.9
20°	4668.0	4645.5	4635.5	4635.5	4648.0	4653.0	4650.5	4655.5	4643.0	4638.0	4618.0
22.5°	4505.6	4503.1	4508.1	4520.6	4540.6	4568.0	4570.5	4570.5	4570.5	4568.0	4543.1
25°	4448.1	4448.1	4453.1	4470.6	4485.6	4505.6	4510.6	4515.6	4510.6	4510.6	4488.1
27.5°	4383.1	4378.1	4388.1	4405.6	4423.1	4438.1	4450.6	4453.1	4445.6	4445.6	4453.1
30°	4303.2	4300.7	4313.2	4330.6	4345.6	4360.6	4373.1	4383.1	4373.1	4373.1	4365.6
32.5°	4220.7	4220.7	4225.7	4120.7	3820.9	3441.0	3448.5	3228.6	3076.2	2883.8	3138.7
35°	2633.9	1916.7	1646.8	1394.4	1217.0	1102.0	1099.5	1062.0	1044.6	1032.1	1029.6
37.5°	994.6	999.6	1009.6	1014.6	1022.1	1027.1	1029.6	1029.6	1029.6	1029.6	1027.1
40°	992.1	1002.1	1009.6	1017.1	1024.6	1029.6	1029.6	1032.1	1034.6	1034.6	1034.6
42.5°	994.6	1004.6	1014.6	1022.1	1027.1	1029.6	1032.1	1034.6	1034.6	1034.6	1034.6
45°	992.1	997.1	997.1	999.6	999.6	999.6	1002.1	1002.1	999.6	997.1	1002.1
47.5°	954.6	954.6	947.1	944.6	942.1	937.1	939.6	937.1	934.6	932.1	937.1
50°	889.6	879.6	874.6	869.6	867.1	862.1	864.6	862.1	859.6	854.6	862.1
52.5°	812.2	809.7	799.7	794.7	792.2	794.7	789.7	787.2	784.7	782.2	784.7
55°	737.2	727.2	724.7	719.7	717.2	719.7	717.2	714.7	712.2	709.7	712.2
57.5°	669.7	662.2	659.7	654.7	654.7	654.7	654.7	652.2	649.7	647.2	649.7
60°	604.7	599.7	597.2	597.2	594.7	594.7	594.7	592.2	589.7	589.7	592.2
62.5°	549.8	549.8	542.3	539.8	539.8	542.3	539.8	537.3	534.8	532.3	537.3
65°	492.3	482.3	479.8	474.8	469.8	472.3	469.8	467.3	464.8	462.3	467.3
67.5°	422.3	419.8	409.8	404.8	402.3	404.8	402.3	399.8	397.3	394.8	399.8
70°	354.8	354.8	344.9	342.4	339.9	339.9	337.4	337.4	334.9	332.4	337.4
72.5°	294.9	294.9	292.4	287.4	284.9	282.4	279.9	277.4	277.4	279.9	279.9
75°	244.9	239.9	229.9	232.4	229.9	227.4	227.4	224.9	222.4	227.4	224.9
77.5°	192.4	189.9	182.4	184.9	182.4	179.9	179.9	177.4	174.9	177.4	177.4
80°	144.9	144.9	142.4	139.9	139.9	137.4	134.9	134.9	132.4	134.9	134.9
82.5°	105.0	105.0	102.5	100.0	97.5	97.5	95.0	95.0	95.0	95.0	95.0
85°	67.5	65.0	65.0	60.0	60.0	60.0	57.5	57.5	57.5	57.5	57.5
87.5°	32.5	32.5	30.0	30.0	27.5	25.0	25.0	22.5	22.5	25.0	25.0
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5642.6	5675.1	5647.6	5660.1	5662.6	5705.1	5702.6	5712.6	5695.1	5675.1	5647.6
5°	5930.0	5915.0	5895.0	5942.5	5917.5	5947.5	5957.5	5977.4	5977.4	5974.9	5952.5
7.5°	5562.6	5530.1	5555.1	5572.6	5580.1	5560.1	5600.1	5645.1	5682.6	5705.1	5707.6
10°	5275.2	5285.2	5282.7	5290.2	5307.7	5305.2	5330.2	5355.2	5365.2	5380.2	5385.2
12.5°	5140.3	5137.8	5142.8	5160.3	5170.3	5167.8	5192.8	5207.8	5212.8	5215.3	5212.8
15°	5032.8	5015.4	5027.8	5030.3	5037.8	5037.8	5067.8	5090.3	5100.3	5105.3	5100.3
17.5°	4830.4	4788.0	4827.9	4827.9	4855.4	4850.4	4897.9	4935.4	4955.4	4970.4	4970.4
20°	4630.5	4610.5	4625.5	4620.5	4640.5	4638.0	4668.0	4693.0	4710.5	4723.0	4738.0
22.5°	4550.6	4555.6	4533.1	4535.6	4535.6	4533.1	4548.1	4560.5	4565.5	4573.0	4568.0
25°	4498.1	4503.1	4495.6	4483.1	4478.1	4483.1	4490.6	4505.6	4508.1	4503.1	4485.6
27.5°	4445.6	4430.6	4443.1	4420.6	4415.6	4425.6	4435.6	4438.1	4440.6	4440.6	4425.6
30°	4365.6	4353.1	4365.6	4355.6	4345.6	4355.6	4363.1	4363.1	4368.1	4370.6	4353.1
32.5°	3051.2	3076.2	3481.0	3725.9	4070.8	4245.7	4278.2	4278.2	4283.2	4283.2	4268.2
35°	1039.6	1042.1	1127.0	1222.0	1424.4	1674.3	2001.6	2171.6	2746.3	3433.5	4098.2
37.5°	1027.1	1024.6	1022.1	1019.6	1017.1	1014.6	1009.6	1007.1	1022.1	1212.0	1644.3
40°	1032.1	1029.6	1024.6	1022.1	1019.6	1014.6	1012.1	1007.1	1002.1	997.1	992.1
42.5°	1032.1	1029.6	1027.1	1024.6	1022.1	1019.6	1014.6	1009.6	1004.6	997.1	989.6
45°	997.1	997.1	999.6	999.6	1002.1	1002.1	1002.1	999.6	999.6	997.1	987.1
47.5°	932.1	932.1	939.6	939.6	944.6	949.6	949.6	954.6	962.1	967.1	969.6
50°	857.1	857.1	864.6	867.1	872.1	879.6	887.1	889.6	897.1	907.1	917.1
52.5°	782.2	782.2	789.7	789.7	794.7	802.2	809.7	812.2	822.1	832.1	844.6
55°	712.2	712.2	717.2	719.7	722.2	727.2	734.7	734.7	744.7	752.2	764.7
57.5°	649.7	654.7	654.7	654.7	657.2	662.2	667.2	667.2	674.7	682.2	692.2
60°	589.7	594.7	594.7	594.7	597.2	599.7	604.7	604.7	609.7	614.7	624.7
62.5°	534.8	539.8	539.8	542.3	542.3	544.8	549.8	547.3	552.3	554.8	562.3
65°	464.8	469.8	472.3	474.8	477.3	482.3	489.8	487.3	494.8	499.8	507.3
67.5°	397.3	402.3	402.3	404.8	407.3	412.3	417.3	417.3	424.8	429.8	439.8
70°	334.9	339.9	339.9	342.4	344.9	349.9	354.8	352.3	359.8	364.8	372.3
72.5°	277.4	282.4	282.4	284.9	284.9	289.9	294.9	299.9	299.9	304.9	309.9
75°	224.9	227.4	229.9	229.9	232.4	234.9	239.9	244.9	247.4	249.9	254.9
77.5°	177.4	179.9	182.4	182.4	184.9	187.4	189.9	199.9	204.9	207.4	207.4
80°	134.9	137.4	137.4	137.4	139.9	142.4	147.4	147.4	157.4	157.4	159.9
82.5°	95.0	97.5	97.5	97.5	100.0	105.0	107.5	110.0	115.0	117.4	117.4
85°	57.5	60.0	60.0	60.0	62.5	65.0	70.0	72.5	75.0	75.0	77.5
87.5°	22.5	25.0	27.5	27.5	30.0	32.5	35.0	37.5	40.0	40.0	42.5
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5617.6	5635.1	5617.6	5627.6	5640.1	5617.6	5565.1	5545.1	5537.6	5507.6	5487.7
5°	5930.0	5930.0	5922.5	5942.5	5940.0	5905.0	5850.0	5825.0	5800.0	5767.5	5742.5
7.5°	5707.6	5727.6	5740.0	5817.5	5867.5	5872.5	5907.5	5915.0	5925.0	5915.0	5900.0
10°	5387.7	5380.2	5415.2	5487.7	5530.1	5552.6	5620.1	5652.6	5680.1	5735.0	5792.5
12.5°	5207.8	5217.8	5232.8	5285.2	5325.2	5315.2	5342.7	5365.2	5397.7	5452.7	5535.1
15°	5087.8	5097.8	5112.8	5152.8	5177.8	5165.3	5180.3	5195.3	5217.8	5245.3	5295.2
17.5°	4957.9	4975.4	4992.9	5035.3	5057.8	5055.3	5067.8	5072.8	5080.3	5097.8	5132.8
20°	4755.5	4810.4	4845.4	4902.9	4935.4	4930.4	4952.9	4960.4	4970.4	4987.9	5002.9
22.5°	4570.5	4585.5	4603.0	4665.5	4720.5	4788.0	4802.9	4822.9	4847.9	4865.4	4880.4
25°	4465.6	4455.6	4463.1	4505.6	4535.6	4540.6	4563.0	4628.0	4695.5	4725.5	4760.5
27.5°	4403.1	4393.1	4390.6	4410.6	4415.6	4403.1	4398.1	4418.1	4468.1	4518.1	4623.0
30°	4335.6	4323.2	4313.2	4330.6	4338.1	4320.7	4288.2	4270.7	4300.7	4313.2	4355.6
32.5°	4255.7	4243.2	4238.2	4248.2	4253.2	4238.2	4203.2	4183.2	4178.2	4168.2	4178.2
35°	4165.7	4153.2	4145.7	4148.2	4158.2	4145.7	4115.7	4090.8	4078.3	4050.8	4030.8
37.5°	2146.6	3041.2	3948.3	4043.3	4053.3	4050.8	4020.8	3993.3	3980.8	3948.3	3938.3
40°	982.1	1097.0	1646.8	2151.6	3103.7	3943.3	3915.8	3888.3	3865.8	3855.9	3818.4
42.5°	979.6	982.1	984.6	972.1	1204.5	2051.6	3028.7	3780.9	3765.9	3740.9	3713.4
45°	979.6	967.1	977.1	962.1	967.1	964.6	1202.0	1939.2	3451.0	3606.0	3593.5
47.5°	969.6	962.1	972.1	959.6	944.6	952.1	942.1	954.6	1489.4	2526.4	3461.0
50°	924.6	929.6	947.1	944.6	932.1	942.1	924.6	939.6	927.1	1017.1	1959.2
52.5°	857.1	867.1	884.6	899.6	904.6	917.1	912.1	917.1	907.1	909.6	912.1
55°	777.2	789.7	804.7	827.1	837.1	857.1	872.1	879.6	892.1	889.6	869.6
57.5°	702.2	714.7	727.2	749.7	772.2	782.2	809.7	824.6	857.1	849.6	844.6
60°	632.2	642.2	654.7	659.7	687.2	704.7	729.7	744.7	787.2	797.2	812.2
62.5°	569.8	574.8	584.7	592.2	609.7	627.2	639.7	664.7	687.2	719.7	742.2
65°	512.3	517.3	524.8	529.8	532.3	557.3	564.8	592.2	599.7	634.7	654.7
67.5°	447.3	457.3	467.3	472.3	477.3	492.3	497.3	509.8	527.3	542.3	567.3
70°	379.8	387.3	397.3	404.8	414.8	424.8	439.8	447.3	459.8	469.8	489.8
72.5°	317.4	324.9	329.9	337.4	344.9	352.3	364.8	382.3	392.3	409.8	414.8
75°	257.4	264.9	269.9	274.9	282.4	287.4	292.4	309.9	319.9	334.9	349.9
77.5°	212.4	212.4	217.4	232.4	229.9	229.9	234.9	244.9	252.4	262.4	277.4
80°	164.9	167.4	169.9	182.4	184.9	187.4	184.9	192.4	199.9	202.4	212.4
82.5°	122.4	124.9	124.9	132.4	139.9	139.9	139.9	142.4	149.9	152.4	157.4
85°	82.5	85.0	87.5	90.0	95.0	97.5	100.0	100.0	105.0	107.5	110.0
87.5°	45.0	50.0	52.5	55.0	57.5	60.0	62.5	65.0	67.5	70.0	72.5
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-LD5-136SL-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°	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7	5452.7
2.5°	5480.2	5467.7	5460.2	5440.2	5435.2	5402.7	5407.7	5402.7	5402.7	5410.2	5435.2
5°	5715.1	5655.1	5640.1	5597.6	5562.6	5502.6	5465.2	5445.2	5415.2	5402.7	5420.2
7.5°	5875.0	5830.0	5792.5	5755.0	5705.1	5635.1	5582.6	5522.6	5472.7	5425.2	5412.7
10°	5847.5	5897.5	5897.5	5875.0	5827.5	5757.5	5695.1	5620.1	5532.6	5457.7	5412.7
12.5°	5615.1	5702.6	5772.5	5825.0	5872.5	5825.0	5762.5	5702.6	5605.1	5495.1	5412.7
15°	5360.2	5450.2	5537.6	5647.6	5762.5	5810.0	5807.5	5737.5	5650.1	5535.1	5420.2
17.5°	5180.3	5242.8	5290.2	5410.2	5550.1	5672.6	5755.0	5760.0	5675.1	5572.6	5422.7
20°	5045.3	5090.3	5130.3	5197.8	5320.2	5470.2	5622.6	5707.6	5692.6	5580.1	5430.2
22.5°	4922.9	4955.4	4987.9	5037.8	5135.3	5232.8	5410.2	5585.1	5660.1	5567.6	5422.7
25°	4800.4	4835.4	4860.4	4895.4	4972.9	5052.8	5177.8	5395.2	5562.6	5557.6	5407.7
27.5°	4655.5	4703.0	4733.0	4780.5	4832.9	4892.9	4977.9	5182.8	5422.7	5507.6	5367.7
30°	4480.6	4550.6	4595.5	4648.0	4693.0	4745.5	4812.9	4937.9	5235.3	5410.2	5325.2
32.5°	4228.2	4353.1	4453.1	4503.1	4553.1	4598.0	4658.0	4763.0	5005.4	5277.7	5277.7
35°	4048.3	4105.7	4195.7	4340.6	4403.1	4448.1	4503.1	4585.5	4740.5	5120.3	5200.3
37.5°	3908.3	3930.8	3975.8	4118.2	4235.7	4308.2	4363.1	4415.6	4568.0	4905.4	5100.3
40°	3803.4	3795.9	3790.9	3858.3	4025.8	4140.7	4203.2	4255.7	4373.1	4648.0	4967.9
42.5°	3680.9	3673.4	3648.4	3665.9	3748.4	3940.8	4035.8	4093.2	4190.7	4378.1	4822.9
45°	3553.5	3541.0	3531.0	3513.5	3543.5	3650.9	3845.9	3930.8	3985.8	4153.2	4640.5
47.5°	3423.5	3406.0	3393.5	3378.6	3361.1	3411.0	3596.0	3748.4	3843.4	3948.3	4420.6
50°	3238.6	3261.1	3246.1	3228.6	3213.6	3203.6	3281.1	3531.0	3648.4	3733.4	4153.2
52.5°	1526.8	2968.7	3093.7	3076.2	3056.2	3038.7	3056.2	3246.1	3458.5	3526.0	3830.9
55°	869.6	1321.9	2751.3	2908.8	2891.3	2866.3	2851.3	2916.3	3233.6	3323.6	3536.0
57.5°	837.1	839.6	1214.5	2621.4	2718.8	2696.3	2678.9	2693.8	2963.7	3116.2	3278.6
60°	809.7	809.7	809.7	1159.5	2506.4	2513.9	2491.4	2466.4	2583.9	2883.8	3018.7
62.5°	749.7	764.7	772.2	772.2	1144.5	2321.5	2299.0	2291.5	2296.5	2603.9	2758.8
65°	672.2	707.2	722.2	732.2	732.2	1202.0	2101.6	2089.1	2071.6	2189.1	2496.4
67.5°	587.2	622.2	654.7	674.7	677.2	699.7	1254.5	1881.7	1856.7	1859.2	2216.6
70°	499.8	529.8	564.8	594.7	622.2	634.7	654.7	1561.8	1644.3	1609.3	1899.2
72.5°	432.3	444.8	469.8	499.8	532.3	562.3	579.8	622.2	1426.9	1389.4	1444.4
75°	359.8	369.8	387.3	407.3	432.3	467.3	497.3	527.3	757.2	1164.5	1157.0
77.5°	279.9	297.4	317.4	329.9	342.4	367.3	407.3	437.3	467.3	787.2	927.1
80°	214.9	227.4	237.4	249.9	264.9	282.4	297.4	332.4	367.3	394.8	709.7
82.5°	159.9	167.4	174.9	179.9	184.9	194.9	222.4	234.9	257.4	282.4	334.9
85°	112.5	117.4	122.4	124.9	127.4	129.9	139.9	142.4	164.9	169.9	202.4
87.5°	72.5	75.0	80.0	82.5	82.5	85.0	87.5	87.5	87.5	82.5	100.0
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-LD5-136SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	5452.7	5452.7
2.5°	5455.2	5495.1
5°	5447.7	5500.1
7.5°	5427.7	5477.7
10°	5397.7	5457.7
12.5°	5365.2	5422.7
15°	5337.7	5380.2
17.5°	5307.7	5332.7
20°	5267.7	5287.7
22.5°	5227.8	5217.8
25°	5182.8	5160.3
27.5°	5125.3	5082.8
30°	5072.8	4997.9
32.5°	5022.9	4900.4
35°	4955.4	4800.4
37.5°	4885.4	4698.0
40°	4802.9	4580.5
42.5°	4715.5	4463.1
45°	4605.5	4350.6
47.5°	4508.1	4215.7
50°	4373.1	4070.8
52.5°	4208.2	3935.8
55°	4013.3	3770.9
57.5°	3803.4	3598.5
60°	3578.5	3401.0
62.5°	3306.1	3196.1
65°	2986.2	2961.2
67.5°	2568.9	2701.3
70°	2106.6	2404.0
72.5°	1761.7	2089.1
75°	1444.4	1736.8
77.5°	1144.5	1361.9
80°	714.7	997.1
82.5°	479.8	654.7
85°	289.9	312.4
87.5°	112.5	115.0
90°	0.0	0.0

(END OF REPORT)