

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-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33525)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-101SL-RW-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

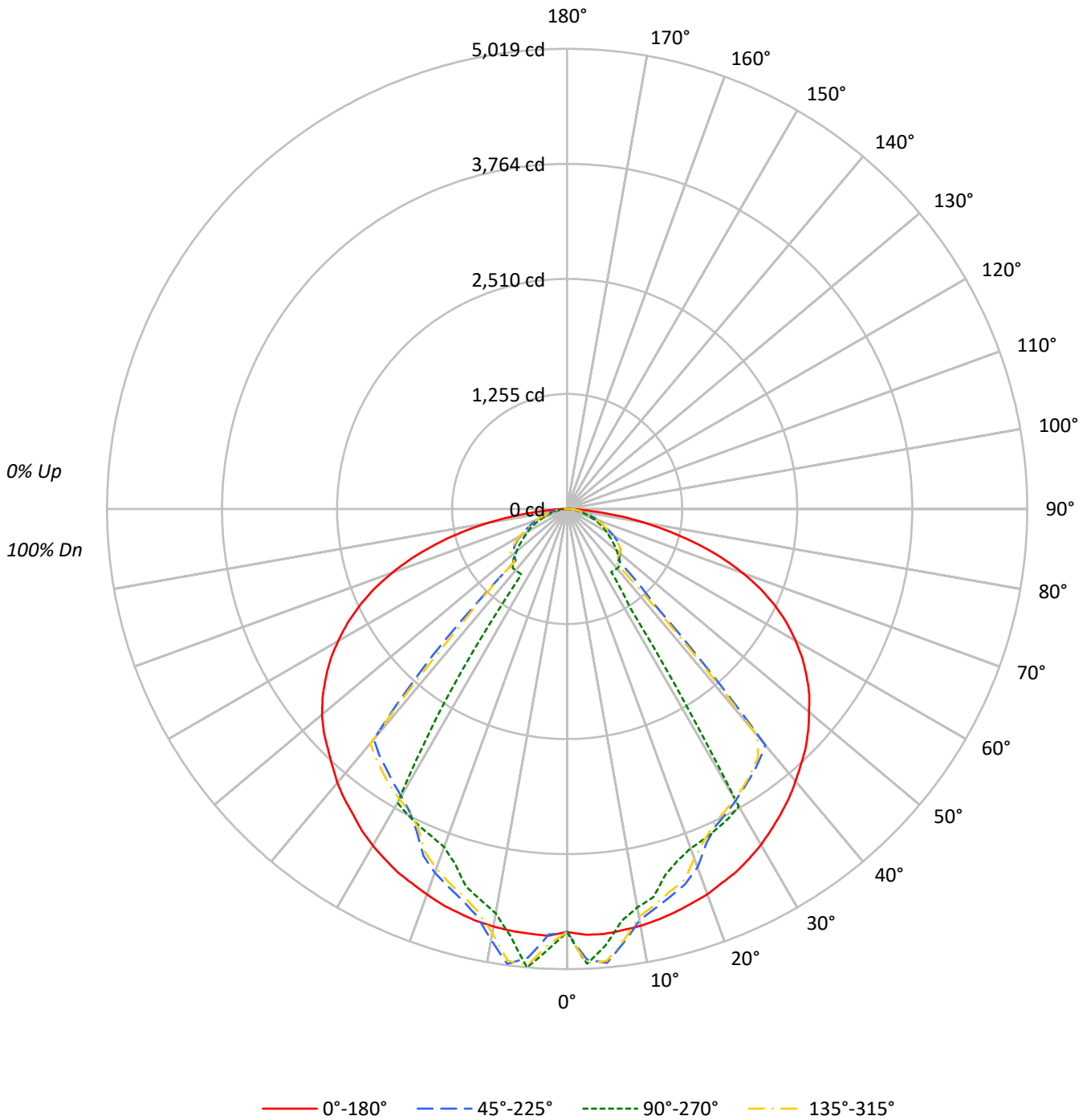
Lumens per Lamp: N/A
Luminaire Lumens: 9237.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



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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°	18638	18638	18638	18638
5°	18846	18778	18838	19708
10°	18890	16978	18917	17238
15°	18959	15708	19003	16206
20°	19125	14899	19125	14843
25°	19321	14614	19349	14477
30°	19550	14356	19598	14186
35°	19814	3270	19855	3410
40°	20174	3400	20295	3511
45°	20707	3381	20778	3504
50°	21251	3057	21538	3140
55°	21981	2714	22156	2753
60°	22637	2412	22688	2443
65°	23174	2105	23115	2072
70°	23036	1696	22964	1635
75°	21672	1306	21829	1251
80°	18029	927	18752	849
85°	10392	556	10974	426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.8	4.9
10°-20°	1247.8	13.5
20°-30°	1848.3	20.0
30°-40°	1862.3	20.2
40°-50°	1454.7	15.7
50°-60°	1123.7	12.2
60°-70°	754.4	8.2
70°-80°	384.9	4.2
80°-90°	107.1	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°	3549.9	38.4
0°-40°	5412.2	58.6
0°-60°	7990.7	86.5
0°-90°	9237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9237.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4613	4613	4613	4613	4613	
5°	4653	4782	4651	5019	4653	443
15°	4551	4133	4562	4264	4551	1287
25°	4365	3852	4372	3816	4365	2014
35°	4061	837	4069	873	4061	2545
45°	3680	814	3693	844	3680	2838
55°	3190	592	3215	600	3190	2849
65°	2505	397	2499	391	2505	2464
75°	1469	201	1480	192	1469	1537
85°	264	63	279	49	264	364
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°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4648.7	4665.6	4678.3	4686.7	4690.9	4690.9	4693.1	4695.2	4722.6	4735.3	4743.8
5°	4652.9	4669.8	4695.2	4729.0	4758.6	4784.0	4805.1	4834.7	4864.3	4896.0	4906.6
7.5°	4633.9	4655.0	4705.7	4767.0	4824.1	4864.3	4891.8	4910.8	4925.6	4927.7	4938.3
10°	4616.9	4655.0	4724.8	4805.1	4877.0	4925.6	4925.6	4915.0	4929.8	4872.7	4815.7
12.5°	4587.4	4629.6	4724.8	4830.5	4898.1	4917.1	4908.7	4866.4	4779.7	4710.0	4678.3
15°	4551.4	4608.5	4726.9	4845.3	4902.3	4908.7	4828.3	4720.5	4655.0	4612.7	4559.9
17.5°	4511.2	4587.4	4729.0	4847.4	4868.5	4838.9	4686.7	4619.1	4551.4	4452.1	4380.2
20°	4473.2	4547.2	4712.1	4817.8	4830.5	4697.3	4578.9	4507.0	4392.9	4306.2	4274.5
22.5°	4414.0	4500.7	4697.3	4777.6	4729.0	4574.7	4460.5	4346.4	4242.8	4217.4	4179.4
25°	4365.4	4456.3	4663.5	4729.0	4600.0	4462.6	4329.4	4196.3	4147.6	4111.7	4077.9
27.5°	4299.9	4411.9	4619.1	4640.2	4462.6	4342.1	4147.6	4088.5	4044.1	4003.9	3989.1
30°	4228.0	4365.4	4557.8	4517.6	4348.5	4170.9	4027.1	3972.2	3940.5	3898.2	3881.3
32.5°	4145.5	4295.6	4490.1	4376.0	4225.9	4003.9	3910.9	3868.6	3826.3	3794.6	3688.9
35°	4061.0	4234.3	4409.8	4240.7	4077.9	3877.1	3794.6	3756.6	3716.4	3600.1	3490.2
37.5°	3974.3	4166.7	4312.5	4094.8	3881.3	3746.0	3676.2	3633.9	3543.0	3395.1	3340.1
40°	3874.9	4084.2	4187.8	3944.7	3710.0	3612.8	3547.3	3505.0	3299.9	3234.4	3217.5
42.5°	3775.6	4003.9	4035.6	3798.8	3568.4	3471.2	3416.2	3276.7	3137.2	3103.3	3109.7
45°	3680.5	3917.2	3868.6	3591.7	3420.4	3340.1	3247.1	3054.7	2980.7	2997.6	3001.9
47.5°	3566.3	3813.6	3693.1	3384.5	3268.2	3187.9	2980.7	2864.5	2853.9	2877.1	2889.8
50°	3443.7	3697.4	3507.1	3196.3	3103.3	3008.2	2773.6	2714.4	2727.0	2750.3	2765.1
52.5°	3329.5	3566.3	3314.7	3020.9	2940.6	2722.8	2564.3	2574.8	2596.0	2623.5	2631.9
55°	3190.0	3407.7	3109.7	2843.3	2767.2	2481.8	2409.9	2435.3	2456.5	2479.7	2496.6
57.5°	3044.1	3225.9	2866.6	2644.6	2522.0	2268.3	2274.7	2291.6	2306.4	2333.8	964.0
60°	2877.1	3018.8	2600.2	2460.7	2217.6	2099.2	2105.5	2135.1	2149.9	1200.7	663.8
62.5°	2703.8	2777.8	2359.2	2251.4	1938.5	1930.1	1959.7	1972.4	1342.4	634.2	621.5
65°	2505.1	2490.3	2122.4	1951.2	1748.3	1756.7	1788.4	1725.0	594.0	594.0	589.8
67.5°	2285.2	2196.4	1892.0	1615.1	1564.4	1583.4	1617.2	564.4	549.6	553.9	539.1
70°	2033.7	1908.9	1653.1	1367.7	1384.7	1403.7	545.4	511.6	505.2	494.7	465.1
72.5°	1767.3	1596.1	1353.0	1188.1	1198.6	752.6	477.8	460.8	439.7	418.6	386.9
75°	1469.2	1247.3	993.6	993.6	1008.4	429.1	416.5	389.0	365.7	338.2	319.2
77.5°	1152.1	959.8	771.6	801.2	391.1	359.4	336.1	306.5	287.5	270.6	260.0
80°	843.5	670.1	581.3	520.0	304.4	272.7	249.5	232.5	224.1	213.5	200.8
82.5°	553.9	403.8	403.8	245.2	213.5	188.1	181.8	169.1	160.7	154.3	148.0
85°	264.2	234.7	177.6	150.1	133.2	120.5	116.3	109.9	109.9	107.8	105.7
87.5°	97.2	105.7	78.2	76.1	71.9	69.8	71.9	71.9	74.0	71.9	69.8
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4764.9	4781.8	4794.5	4815.7	4843.1	4866.4	4887.5	4917.1	4963.6	4976.3	4986.9
5°	4906.6	4912.9	4927.7	4944.6	4948.8	4959.4	4957.3	4970.0	4976.3	4991.1	4959.4
7.5°	4915.0	4881.2	4841.0	4805.1	4779.7	4756.5	4741.7	4764.9	4777.6	4788.2	4756.5
10°	4737.4	4697.3	4674.0	4652.9	4627.5	4591.6	4543.0	4553.5	4549.3	4549.3	4538.7
12.5°	4625.4	4568.3	4509.1	4456.3	4433.0	4430.9	4433.0	4456.3	4456.3	4454.2	4441.5
15°	4449.9	4395.0	4365.4	4352.7	4352.7	4346.4	4346.4	4371.7	4365.4	4365.4	4359.0
17.5°	4333.7	4295.6	4274.5	4259.7	4253.3	4263.9	4276.6	4287.2	4289.3	4280.8	4247.0
20°	4238.5	4202.6	4177.2	4181.5	4179.4	4185.7	4192.0	4156.1	4111.7	4052.5	4025.0
22.5°	4139.2	4111.7	4092.7	4092.7	4067.3	4027.1	3968.0	3955.3	3948.9	3921.4	3898.2
25°	4044.1	4012.3	3984.9	3900.3	3847.5	3853.8	3843.2	3822.1	3820.0	3817.9	3826.3
27.5°	3948.9	3866.5	3760.8	3748.1	3727.0	3724.8	3737.5	3748.1	3748.1	3756.6	3767.1
30°	3752.3	3657.2	3638.2	3614.9	3623.4	3653.0	3659.3	3674.1	3678.3	3693.1	3701.6
32.5°	3572.6	3530.4	3513.4	3524.0	3551.5	3576.9	3591.7	3598.0	3608.6	3621.3	3631.8
35°	3426.8	3414.1	3428.9	3452.1	3479.6	3500.8	3513.4	3526.1	3536.7	3547.3	3555.7
37.5°	3319.0	3327.4	3348.6	3378.2	3405.6	3422.5	3433.1	3447.9	3462.7	3475.4	3424.7
40°	3217.5	3238.6	3261.9	3293.6	3316.8	3333.8	3344.3	3363.4	3236.5	1465.0	803.3
42.5°	3128.7	3152.0	3168.9	3194.2	3219.6	3232.3	3139.3	1401.6	792.7	788.5	799.1
45°	3020.9	3039.9	3067.4	3086.4	3109.7	2042.1	780.1	788.5	775.8	784.3	788.5
47.5°	2911.0	2940.6	2955.4	2820.1	839.3	775.8	767.4	775.8	767.4	777.9	771.6
50°	2786.2	2822.2	2008.3	758.9	752.6	748.4	756.8	752.6	758.9	767.4	750.5
52.5°	2659.4	1646.8	735.7	731.4	735.7	731.4	746.2	735.7	737.8	729.3	708.2
55°	900.6	712.4	706.1	704.0	716.6	716.6	716.6	699.7	689.2	668.0	653.2
57.5°	689.2	689.2	687.0	689.2	684.9	680.7	661.7	646.9	632.1	602.5	594.0
60°	653.2	653.2	653.2	653.2	634.2	625.7	596.1	583.5	558.1	543.3	534.8
62.5°	623.6	619.4	600.4	594.0	572.9	549.6	532.7	520.0	494.7	486.2	479.9
65°	581.3	566.5	543.3	517.9	507.4	482.0	473.5	454.5	441.8	435.5	431.3
67.5°	511.6	490.4	471.4	454.5	435.5	427.0	416.5	401.7	393.2	389.0	384.7
70°	437.6	422.8	403.8	393.2	380.5	374.2	359.4	355.1	348.8	342.5	336.1
72.5°	365.7	357.3	348.8	334.0	329.8	325.6	310.8	302.3	293.8	285.4	281.2
75°	306.5	300.2	296.0	283.3	276.9	264.2	253.7	247.3	241.0	234.7	230.4
77.5°	251.6	247.3	234.7	226.2	222.0	211.4	207.2	209.3	205.1	196.6	192.4
80°	196.6	192.4	181.8	181.8	177.6	173.3	169.1	164.9	160.7	154.3	150.1
82.5°	150.1	145.9	141.6	137.4	133.2	131.1	129.0	124.7	120.5	116.3	114.2
85°	105.7	103.6	101.5	99.4	97.2	95.1	93.0	88.8	84.6	82.4	80.3
87.5°	71.9	69.8	67.6	65.5	63.4	61.3	59.2	57.1	52.8	50.7	48.6
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°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4986.9	4997.5	4986.9	4963.6	4948.8	4942.5	4955.2	4955.2	4963.6	4974.2	4976.3
5°	4908.7	4883.3	4853.7	4824.1	4809.3	4800.9	4777.6	4781.8	4788.2	4792.4	4796.6
7.5°	4714.2	4680.4	4640.2	4602.2	4587.4	4574.7	4547.2	4547.2	4547.2	4549.3	4562.0
10°	4515.5	4500.7	4483.8	4458.4	4439.4	4433.0	4409.8	4416.1	4411.9	4418.2	4433.0
12.5°	4422.5	4405.5	4390.8	4365.4	4344.2	4335.8	4325.2	4331.6	4329.4	4340.0	4352.7
15°	4337.9	4329.4	4312.5	4293.5	4274.5	4257.6	4219.5	4206.8	4198.4	4187.8	4202.6
17.5°	4198.4	4139.2	4099.0	4069.4	4048.3	4033.5	4022.9	4022.9	4029.3	4035.6	4048.3
20°	4008.1	3991.2	3972.2	3940.5	3919.3	3910.9	3904.5	3904.5	3915.1	3923.6	3946.8
22.5°	3877.1	3874.9	3868.6	3853.8	3843.2	3843.2	3845.3	3849.6	3864.4	3877.1	3900.3
25°	3815.7	3824.2	3820.0	3811.5	3805.2	3807.3	3803.1	3807.3	3822.1	3834.8	3853.8
27.5°	3767.1	3779.8	3775.6	3762.9	3752.3	3756.6	3762.9	3758.7	3771.4	3786.2	3800.9
30°	3701.6	3703.7	3712.2	3697.4	3693.1	3699.5	3701.6	3705.8	3718.5	3729.1	3741.8
32.5°	3627.6	3644.5	3642.4	3627.6	3627.6	3633.9	3636.1	3494.4	3230.2	2782.0	2659.4
35°	3555.7	3574.8	3543.0	2987.1	2067.5	1103.5	851.9	822.3	828.7	832.9	837.1
37.5°	2629.8	1247.3	794.9	801.2	807.5	813.9	820.2	826.6	832.9	839.3	841.4
40°	790.6	788.5	794.9	803.3	809.7	813.9	822.3	828.7	835.0	841.4	843.5
42.5°	782.2	786.4	792.7	801.2	809.7	818.1	824.5	832.9	837.1	841.4	843.5
45°	777.9	786.4	794.9	801.2	807.5	811.8	816.0	818.1	816.0	816.0	820.2
47.5°	771.6	780.1	782.2	780.1	782.2	780.1	780.1	780.1	773.7	771.6	771.6
50°	748.4	748.4	744.1	735.7	733.6	731.4	727.2	725.1	716.6	714.5	714.5
52.5°	699.7	697.6	691.3	680.7	676.5	672.2	670.1	668.0	659.6	655.3	657.5
55°	642.7	638.4	632.1	619.4	617.3	613.1	610.9	608.8	600.4	604.6	598.3
57.5°	589.8	581.3	572.9	570.8	562.3	560.2	558.1	556.0	549.6	551.8	547.5
60°	526.4	524.3	520.0	511.6	511.6	509.5	509.5	505.2	501.0	498.9	498.9
62.5°	479.9	473.5	469.3	469.3	463.0	463.0	463.0	458.7	454.5	456.6	454.5
65°	429.1	427.0	424.9	420.7	420.7	418.6	418.6	414.3	408.0	410.1	405.9
67.5°	386.9	382.6	378.4	376.3	367.8	363.6	361.5	359.4	350.9	353.0	348.8
70°	334.0	327.7	323.4	319.2	312.9	308.6	308.6	304.4	298.1	300.2	296.0
72.5°	279.0	274.8	270.6	268.5	262.1	260.0	257.9	255.8	249.5	251.6	249.5
75°	232.5	232.5	230.4	228.3	222.0	215.6	211.4	209.3	205.1	207.2	202.9
77.5°	192.4	188.1	183.9	183.9	177.6	173.3	169.1	169.1	169.1	167.0	164.9
80°	150.1	145.9	145.9	143.8	139.5	135.3	133.2	133.2	131.1	131.1	129.0
82.5°	114.2	109.9	107.8	107.8	103.6	101.5	99.4	97.2	97.2	97.2	95.1
85°	80.3	76.1	74.0	74.0	69.8	67.6	67.6	65.5	65.5	63.4	63.4
87.5°	48.6	46.5	44.4	44.4	40.2	38.1	38.1	38.1	35.9	35.9	33.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-101SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4976.3	4976.3	4961.5	4965.8	4959.4	4967.9	4957.3	4957.3	4970.0	4970.0	4978.4
5°	4798.8	4788.2	4786.1	4781.8	4760.7	4769.2	4758.6	4748.0	4762.8	4762.8	4781.8
7.5°	4555.6	4536.6	4545.1	4532.4	4519.7	4500.7	4507.0	4498.6	4509.1	4523.9	4543.0
10°	4430.9	4414.0	4424.6	4411.9	4418.2	4390.8	4392.9	4395.0	4405.5	4409.8	4426.7
12.5°	4350.6	4346.4	4342.1	4337.9	4342.1	4327.3	4318.9	4321.0	4325.2	4327.3	4340.0
15°	4181.5	4154.0	4162.4	4132.8	4135.0	4137.1	4120.2	4137.1	4135.0	4162.4	4187.8
17.5°	4044.1	4044.1	4029.3	4016.6	4008.1	4006.0	3993.3	4001.8	3993.3	4010.2	4016.6
20°	3948.9	3946.8	3944.7	3938.4	3917.2	3919.3	3925.7	3906.6	3904.5	3902.4	3915.1
22.5°	3904.5	3906.6	3898.2	3898.2	3879.2	3883.4	3885.5	3864.4	3866.5	3860.1	3866.5
25°	3858.0	3862.3	3851.7	3851.7	3847.5	3845.3	3834.8	3839.0	3826.3	3815.7	3826.3
27.5°	3803.1	3811.5	3803.1	3807.3	3798.8	3794.6	3788.3	3784.0	3771.4	3769.2	3775.6
30°	3752.3	3756.6	3754.4	3743.9	3741.8	3729.1	3735.4	3722.7	3710.0	3712.2	3716.4
32.5°	1923.7	1837.1	1416.4	1279.0	1266.3	1312.8	1555.9	1894.1	2454.3	2997.6	3388.7
35°	839.3	839.3	839.3	837.1	837.1	835.0	832.9	830.8	828.7	826.6	824.5
37.5°	843.5	843.5	843.5	843.5	841.4	839.3	839.3	835.0	832.9	830.8	828.7
40°	845.6	847.7	847.7	847.7	845.6	845.6	843.5	839.3	837.1	832.9	828.7
42.5°	843.5	845.6	845.6	843.5	843.5	841.4	841.4	839.3	837.1	835.0	832.9
45°	816.0	818.1	813.9	813.9	811.8	811.8	811.8	811.8	811.8	813.9	813.9
47.5°	767.4	767.4	765.3	763.1	763.1	761.0	763.1	761.0	765.3	767.4	771.6
50°	710.3	710.3	706.1	704.0	704.0	704.0	704.0	706.1	708.2	712.4	716.6
52.5°	651.1	651.1	649.0	646.9	644.8	644.8	651.1	649.0	651.1	653.2	659.6
55°	594.0	596.1	591.9	591.9	589.8	589.8	589.8	591.9	594.0	596.1	602.5
57.5°	545.4	545.4	541.2	541.2	541.2	539.1	545.4	541.2	543.3	545.4	549.6
60°	496.8	494.7	494.7	492.6	492.6	492.6	496.8	494.7	494.7	496.8	501.0
62.5°	452.4	452.4	450.3	450.3	448.2	448.2	452.4	450.3	450.3	452.4	454.5
65°	401.7	401.7	399.5	397.4	403.8	397.4	403.8	399.5	403.8	405.9	410.1
67.5°	344.6	344.6	344.6	342.5	342.5	346.7	348.8	344.6	346.7	350.9	353.0
70°	293.8	293.8	291.7	291.7	291.7	296.0	298.1	293.8	296.0	298.1	302.3
72.5°	249.5	245.2	245.2	243.1	247.3	247.3	249.5	247.3	249.5	249.5	253.7
75°	205.1	200.8	200.8	200.8	205.1	202.9	205.1	202.9	205.1	205.1	207.2
77.5°	164.9	162.8	160.7	160.7	164.9	164.9	164.9	162.8	164.9	167.0	169.1
80°	129.0	126.8	124.7	124.7	129.0	129.0	129.0	131.1	129.0	131.1	133.2
82.5°	95.1	93.0	90.9	95.1	95.1	95.1	95.1	97.2	95.1	97.2	99.4
85°	63.4	61.3	59.2	63.4	63.4	63.4	63.4	65.5	63.4	65.5	67.6
87.5°	33.8	31.7	31.7	33.8	33.8	33.8	35.9	35.9	35.9	38.1	38.1
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4991.1	4997.5	4995.4	4982.7	4970.0	4955.2	4944.6	4946.7	4967.9	4974.2	4955.2
5°	4781.8	4822.0	4822.0	4849.5	4834.7	4822.0	4830.5	4877.0	4900.2	4936.2	4948.8
7.5°	4566.2	4585.2	4583.1	4610.6	4606.4	4606.4	4612.7	4674.0	4703.6	4733.2	4741.7
10°	4445.7	4464.7	4462.6	4464.7	4458.4	4443.6	4443.6	4471.1	4496.5	4511.2	4515.5
12.5°	4359.0	4369.6	4367.5	4367.5	4363.3	4350.6	4348.5	4371.7	4399.2	4418.2	4420.3
15°	4230.1	4259.7	4266.0	4293.5	4287.2	4270.3	4274.5	4293.5	4310.4	4327.3	4321.0
17.5°	4037.7	4052.5	4054.6	4065.2	4061.0	4061.0	4086.3	4156.1	4202.6	4242.8	4247.0
20°	3927.8	3938.4	3934.1	3957.4	3946.8	3944.7	3951.0	3980.6	4001.8	4020.8	4054.6
22.5°	3874.9	3883.4	3877.1	3879.2	3860.1	3843.2	3839.0	3862.3	3885.5	3910.9	3910.9
25°	3830.5	3836.9	3834.8	3830.5	3815.7	3792.5	3788.3	3792.5	3800.9	3803.1	3788.3
27.5°	3777.7	3781.9	3781.9	3784.0	3765.0	3743.9	3739.6	3735.4	3743.9	3741.8	3718.5
30°	3722.7	3716.4	3718.5	3720.6	3703.7	3684.7	3676.2	3674.1	3682.6	3680.5	3657.2
32.5°	3591.7	3640.3	3644.5	3648.7	3633.9	3617.0	3608.6	3602.2	3606.5	3604.3	3583.2
35°	822.3	837.1	1025.3	2321.2	3152.0	3490.2	3526.1	3517.7	3519.8	3519.8	3502.9
37.5°	824.5	822.3	820.2	813.9	807.5	803.3	1388.9	2961.7	3431.0	3433.1	3418.3
40°	824.5	822.3	820.2	816.0	807.5	801.2	790.6	782.2	801.2	1763.1	3225.9
42.5°	828.7	824.5	820.2	816.0	807.5	799.1	790.6	780.1	786.4	782.2	771.6
45°	816.0	813.9	813.9	811.8	807.5	799.1	788.5	775.8	769.5	775.8	765.3
47.5°	775.8	777.9	784.3	786.4	786.4	788.5	782.2	773.7	763.1	769.5	756.8
50°	720.9	725.1	727.2	737.8	742.0	750.5	752.6	752.6	750.5	758.9	750.5
52.5°	661.7	665.9	676.5	680.7	684.9	697.6	701.8	708.2	712.4	725.1	733.6
55°	604.6	606.7	610.9	619.4	625.7	636.3	642.7	649.0	659.6	665.9	691.3
57.5°	551.8	553.9	562.3	564.4	568.7	577.1	583.5	591.9	600.4	604.6	634.2
60°	501.0	503.1	509.5	511.6	513.7	522.2	528.5	534.8	541.2	545.4	566.5
62.5°	456.6	456.6	463.0	463.0	465.1	471.4	475.6	479.9	486.2	488.3	498.9
65°	412.2	414.3	418.6	418.6	420.7	424.9	427.0	429.1	435.5	435.5	443.9
67.5°	357.3	359.4	365.7	369.9	372.1	380.5	382.6	384.7	389.0	391.1	395.3
70°	304.4	306.5	312.9	315.0	317.1	323.4	327.7	334.0	340.4	346.7	350.9
72.5°	255.8	257.9	264.2	264.2	270.6	272.7	276.9	279.0	285.4	289.6	296.0
75°	209.3	211.4	217.7	217.7	224.1	226.2	228.3	230.4	234.7	238.9	243.1
77.5°	171.2	171.2	179.7	183.9	188.1	188.1	190.3	190.3	190.3	192.4	196.6
80°	135.3	135.3	141.6	145.9	150.1	150.1	152.2	154.3	156.4	156.4	158.5
82.5°	101.5	101.5	107.8	109.9	114.2	114.2	114.2	116.3	118.4	116.3	120.5
85°	69.8	69.8	74.0	76.1	80.3	80.3	80.3	82.4	84.6	82.4	84.6
87.5°	40.2	42.3	44.4	46.5	48.6	50.7	50.7	50.7	52.8	52.8	55.0
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-LD5-101SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4934.0	4908.7	4906.6	4877.0	4868.5	4870.6	4847.4	4838.9	4800.9	4792.4	4752.2
5°	4953.1	4965.8	4959.4	4957.3	4963.6	4959.4	4942.5	4934.0	4927.7	4910.8	4877.0
7.5°	4743.8	4752.2	4758.6	4786.1	4809.3	4849.5	4891.8	4919.2	4940.4	4944.6	4917.1
10°	4530.3	4570.4	4597.9	4640.2	4674.0	4697.3	4722.6	4745.9	4807.2	4868.5	4904.5
12.5°	4420.3	4430.9	4428.8	4452.1	4475.3	4536.6	4595.8	4629.6	4676.1	4703.6	4769.2
15°	4327.3	4329.4	4335.8	4352.7	4365.4	4386.5	4414.0	4464.7	4557.8	4600.0	4636.0
17.5°	4242.8	4242.8	4247.0	4261.8	4278.7	4297.7	4314.6	4335.8	4382.3	4452.1	4540.8
20°	4107.5	4166.7	4173.0	4170.9	4179.4	4215.3	4219.5	4257.6	4280.8	4308.3	4395.0
22.5°	3906.6	3942.6	3993.3	4071.5	4101.1	4118.0	4130.7	4147.6	4183.6	4215.3	4251.2
25°	3796.7	3820.0	3834.8	3858.0	3919.3	4018.7	4037.7	4056.7	4080.0	4103.2	4147.6
27.5°	3699.5	3697.4	3707.9	3729.1	3746.0	3798.8	3891.9	3965.8	3970.1	4003.9	4041.9
30°	3629.7	3617.0	3602.2	3598.0	3621.3	3648.7	3676.2	3792.5	3872.8	3889.7	3929.9
32.5°	3564.2	3543.0	3521.9	3505.0	3490.2	3513.4	3530.4	3581.1	3684.7	3781.9	3803.1
35°	3483.9	3462.7	3437.3	3418.3	3395.1	3392.9	3390.8	3439.5	3473.3	3589.6	3691.0
37.5°	3401.4	3378.2	3357.0	3335.9	3312.6	3295.7	3285.1	3297.8	3329.5	3380.3	3549.4
40°	3314.7	3287.3	3266.1	3249.2	3217.5	3204.8	3183.7	3175.2	3177.3	3221.7	3310.5
42.5°	1980.8	3158.3	3168.9	3149.8	3122.4	3105.4	3082.2	3071.6	3050.5	3071.6	3122.4
45°	763.1	771.6	2310.6	3052.6	3018.8	2997.6	2976.5	2965.9	2942.7	2925.8	2972.3
47.5°	748.4	756.8	739.9	1048.5	2881.4	2887.7	2862.3	2851.8	2828.5	2815.8	2803.1
50°	737.8	744.1	731.4	735.7	720.9	2640.4	2746.1	2733.4	2708.0	2693.2	2667.9
52.5°	727.2	727.2	718.8	708.2	704.0	706.1	2221.8	2612.9	2583.3	2568.5	2534.7
55°	693.4	697.6	706.1	689.2	684.9	682.8	676.5	2116.1	2445.9	2429.0	2399.4
57.5°	642.7	651.1	674.4	670.1	670.1	653.2	649.0	649.0	1963.9	2287.3	2257.7
60°	583.5	591.9	617.3	625.7	632.1	627.9	623.6	621.5	613.1	2069.6	2107.6
62.5°	522.2	530.6	539.1	566.5	575.0	585.6	598.3	591.9	583.5	583.5	1949.1
65°	456.6	469.3	473.5	498.9	509.5	528.5	539.1	553.9	549.6	547.5	558.1
67.5°	399.5	414.3	416.5	427.0	446.1	454.5	467.2	494.7	507.4	511.6	515.8
70°	350.9	359.4	365.7	369.9	382.6	384.7	408.0	427.0	446.1	467.2	473.5
72.5°	302.3	308.6	321.3	317.1	321.3	329.8	342.5	355.1	374.2	403.8	422.8
75°	247.3	251.6	260.0	264.2	272.7	279.0	287.5	298.1	315.0	329.8	355.1
77.5°	198.7	200.8	207.2	209.3	217.7	224.1	238.9	245.2	255.8	266.4	281.2
80°	160.7	160.7	162.8	162.8	169.1	175.5	186.0	192.4	205.1	213.5	213.5
82.5°	122.6	122.6	129.0	129.0	133.2	133.2	139.5	139.5	145.9	150.1	154.3
85°	86.7	88.8	93.0	90.9	95.1	93.0	97.2	101.5	103.6	101.5	99.4
87.5°	57.1	57.1	61.3	59.2	61.3	61.3	65.5	65.5	67.6	67.6	65.5
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4737.4	4705.7	4686.7	4663.5	4657.1	4650.8	4659.2	4659.2	4646.5	4636.0	4616.9
5°	4847.4	4813.5	4777.6	4739.6	4703.6	4665.6	4650.8	4648.7	4625.4	4612.7	4606.4
7.5°	4904.5	4887.5	4847.4	4794.5	4739.6	4671.9	4642.3	4625.4	4602.2	4597.9	4597.9
10°	4910.8	4891.8	4870.6	4832.6	4769.2	4680.4	4623.3	4589.5	4568.3	4583.1	4610.6
12.5°	4849.5	4885.4	4866.4	4841.0	4790.3	4682.5	4600.0	4549.3	4543.0	4581.0	4652.9
15°	4693.1	4798.8	4851.6	4826.2	4786.1	4678.3	4562.0	4502.8	4502.8	4581.0	4674.0
17.5°	4574.7	4657.1	4786.1	4807.2	4760.7	4669.8	4526.0	4456.3	4475.3	4589.5	4688.8
20°	4477.4	4528.2	4652.9	4771.3	4726.9	4650.8	4473.2	4401.3	4439.4	4576.8	4710.0
22.5°	4325.2	4426.7	4502.8	4678.3	4693.1	4614.8	4420.3	4333.7	4409.8	4576.8	4699.4
25°	4177.2	4299.9	4380.2	4551.4	4642.3	4570.4	4371.7	4261.8	4378.1	4570.4	4690.9
27.5°	4073.7	4130.7	4276.6	4399.2	4566.2	4511.2	4306.2	4183.6	4337.9	4536.6	4642.3
30°	3963.7	4001.8	4145.5	4261.8	4464.7	4443.6	4238.5	4096.9	4287.2	4504.9	4515.5
32.5°	3843.2	3885.5	3959.5	4128.6	4323.1	4380.2	4162.4	4010.2	4232.2	4456.3	4367.5
35°	3720.6	3752.3	3811.5	3993.3	4158.2	4285.1	4069.4	3910.9	4194.2	4382.3	4225.9
37.5°	3598.0	3631.8	3682.6	3834.8	3984.9	4196.3	3989.1	3811.5	4124.4	4251.2	4077.9
40°	3481.7	3500.8	3553.6	3648.7	3841.1	4105.4	3898.2	3707.9	4052.5	4084.2	3877.1
42.5°	3268.2	3363.4	3412.0	3488.1	3678.3	3980.6	3792.5	3598.0	3972.2	3917.2	3676.2
45°	3037.8	3245.0	3266.1	3342.2	3534.6	3847.5	3693.1	3490.2	3896.1	3773.5	3486.0
47.5°	2849.7	2999.7	3122.4	3185.8	3363.4	3691.0	3600.1	3399.3	3781.9	3591.7	3299.9
50°	2682.6	2763.0	2984.9	3031.5	3158.3	3502.9	3490.2	3293.6	3623.4	3363.4	3118.1
52.5°	2519.9	2577.0	2777.8	2877.1	2980.7	3299.9	3359.1	3190.0	3450.0	3135.0	2934.2
55°	2378.2	2397.3	2507.2	2716.5	2809.5	3094.9	3215.4	3069.5	3230.2	2917.3	2756.6
57.5°	2232.4	2215.5	2295.8	2564.3	2631.9	2885.6	3063.2	2946.9	3052.6	2695.3	2572.7
60°	2080.2	2056.9	2090.7	2268.3	2443.8	2678.4	2883.5	2811.6	2837.0	2475.5	2367.7
62.5°	1921.6	1898.4	1887.8	1999.8	2259.9	2464.9	2701.7	2661.5	2572.7	2274.7	2114.0
65°	1756.7	1733.5	1716.6	1761.0	2056.9	2188.0	2498.7	2488.2	2283.1	2063.3	1780.0
67.5°	534.8	1577.0	1541.1	1539.0	1733.5	1936.4	2278.9	2262.0	1991.4	1837.1	1532.6
70°	482.0	1279.0	1359.3	1340.3	1424.8	1680.6	2027.3	2014.6	1708.1	1473.4	1355.1
72.5°	441.8	452.4	1200.7	1179.6	1198.6	1429.1	1765.2	1731.4	1448.1	1162.7	1171.1
75°	378.4	397.4	414.3	995.7	970.3	1183.8	1479.8	1426.9	1194.4	959.8	978.8
77.5°	308.6	331.9	344.6	725.1	784.3	843.5	1181.7	1112.0	822.3	767.4	365.7
80°	230.4	249.5	270.6	289.6	596.1	589.8	877.3	807.5	572.9	477.8	285.4
82.5°	169.1	175.5	188.1	209.3	236.8	395.3	564.4	496.8	397.4	217.7	196.6
85°	105.7	114.2	120.5	126.8	143.8	236.8	279.0	222.0	167.0	133.2	124.7
87.5°	67.6	67.6	65.5	67.6	69.8	84.6	95.1	90.9	71.9	67.6	67.6
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4595.8	4566.2	4566.2	4557.8	4564.1	4564.1	4562.0	4564.1	4578.9	4587.4	4602.2
5°	4593.7	4585.2	4604.3	4627.5	4655.0	4688.8	4697.3	4726.9	4754.4	4790.3	4828.3
7.5°	4621.2	4650.8	4686.7	4724.8	4779.7	4819.9	4855.8	4891.8	4917.1	4951.0	4972.1
10°	4661.3	4720.5	4781.8	4830.5	4889.7	4923.5	4946.7	4951.0	4915.0	4857.9	4811.4
12.5°	4718.4	4788.2	4845.3	4891.8	4919.2	4906.6	4838.9	4769.2	4729.0	4669.8	4587.4
15°	4767.0	4830.5	4889.7	4870.6	4796.6	4726.9	4674.0	4591.6	4511.2	4456.3	4420.3
17.5°	4788.2	4849.5	4828.3	4729.0	4659.2	4578.9	4471.1	4407.7	4354.8	4312.5	4291.4
20°	4800.9	4790.3	4676.1	4604.3	4469.0	4395.0	4325.2	4266.0	4225.9	4204.7	4200.5
22.5°	4767.0	4638.1	4540.8	4411.9	4312.5	4251.2	4196.3	4147.6	4120.2	4103.2	4092.7
25°	4655.0	4504.9	4361.2	4259.7	4175.1	4122.3	4080.0	4039.8	4006.0	3997.5	3976.4
27.5°	4498.6	4376.0	4185.7	4107.5	4033.5	4008.1	3961.6	3921.4	3891.9	3866.5	3798.8
30°	4369.6	4175.1	4037.7	3965.8	3921.4	3891.9	3839.0	3796.7	3746.0	3653.0	3614.9
32.5°	4211.1	4018.7	3887.6	3847.5	3792.5	3767.1	3707.9	3614.9	3536.7	3498.6	3496.5
35°	4006.0	3847.5	3752.3	3716.4	3672.0	3629.7	3507.1	3422.5	3384.5	3388.7	3420.4
37.5°	3834.8	3693.1	3631.8	3581.1	3530.4	3422.5	3319.0	3278.8	3289.4	3310.5	3325.3
40°	3661.4	3553.6	3483.9	3443.7	3329.5	3223.8	3168.9	3183.7	3202.7	3217.5	3236.5
42.5°	3492.3	3416.2	3346.4	3268.2	3111.8	3054.7	3067.4	3086.4	3103.3	3124.5	3143.5
45°	3331.6	3264.0	3183.7	3006.1	2927.9	2942.7	2961.7	2976.5	3001.9	3016.7	3035.7
47.5°	3179.4	3107.6	2965.9	2809.5	2801.0	2830.6	2847.5	2866.6	2885.6	2847.5	1570.7
50°	3008.2	2934.2	2718.6	2659.4	2678.4	2705.9	2727.0	2746.1	2445.9	972.4	748.4
52.5°	2839.1	2650.9	2513.5	2530.4	2549.5	2581.2	2596.0	1928.0	767.4	731.4	733.6
55°	2650.9	2409.9	2369.8	2390.9	2407.8	2439.5	1617.2	708.2	704.0	701.8	718.8
57.5°	2355.0	2209.1	2226.0	2247.2	2264.1	1598.2	689.2	684.9	687.0	689.2	691.3
60°	2090.7	2059.0	2078.0	2097.1	1484.0	665.9	653.2	655.3	663.8	657.5	640.5
62.5°	1881.4	1906.8	1925.8	1687.0	632.1	625.7	632.1	625.7	610.9	600.4	579.2
65°	1720.8	1746.2	1761.0	594.0	591.9	600.4	594.0	572.9	549.6	520.0	513.7
67.5°	1551.7	1577.0	564.4	549.6	558.1	547.5	522.2	496.8	479.9	454.5	443.9
70°	1376.2	589.8	511.6	509.5	494.7	477.8	450.3	424.9	403.8	393.2	382.6
72.5°	993.6	467.2	460.8	443.9	418.6	395.3	372.1	357.3	346.7	340.4	334.0
75°	414.3	405.9	386.9	357.3	331.9	321.3	304.4	293.8	289.6	276.9	272.7
77.5°	346.7	329.8	302.3	281.2	266.4	260.0	247.3	234.7	228.3	226.2	217.7
80°	266.4	243.1	230.4	219.9	215.6	200.8	186.0	179.7	175.5	173.3	167.0
82.5°	181.8	173.3	164.9	150.1	150.1	143.8	137.4	133.2	129.0	129.0	124.7
85°	118.4	112.0	109.9	103.6	103.6	99.4	97.2	95.1	93.0	90.9	88.8
87.5°	67.6	67.6	69.8	67.6	67.6	65.5	63.4	61.3	59.2	59.2	55.0
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-LD5-101SL-RW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4621.2	4642.3	4646.5	4718.4	4758.6	4756.5	4743.8	4781.8	4758.6	4745.9	4758.6
5°	4866.4	4891.8	4912.9	4991.1	5018.6	5031.3	5029.2	5050.3	5033.4	5018.6	5018.6
7.5°	4986.9	4995.4	5003.8	4984.8	4972.1	4951.0	4919.2	4872.7	4849.5	4824.1	4792.4
10°	4788.2	4760.7	4771.3	4733.2	4701.5	4678.3	4648.7	4610.6	4578.9	4555.6	4519.7
12.5°	4545.1	4543.0	4547.2	4553.5	4521.8	4502.8	4479.5	4452.1	4428.8	4403.4	4373.8
15°	4397.1	4399.2	4416.1	4409.8	4399.2	4388.6	4363.3	4354.8	4333.7	4306.2	4289.3
17.5°	4291.4	4302.0	4318.9	4310.4	4293.5	4282.9	4263.9	4244.9	4225.9	4204.7	4179.4
20°	4198.4	4208.9	4219.5	4208.9	4177.2	4162.4	4137.1	4077.9	4035.6	3993.3	3955.3
22.5°	4096.9	4103.2	4094.8	4061.0	3980.6	3942.6	3913.0	3896.1	3860.1	3836.9	3813.6
25°	3970.1	3934.1	3879.2	3841.1	3809.4	3792.5	3779.8	3777.7	3773.5	3769.2	3758.7
27.5°	3762.9	3750.2	3720.6	3705.8	3707.9	3714.3	3716.4	3722.7	3716.4	3707.9	3699.5
30°	3608.6	3614.9	3617.0	3621.3	3631.8	3638.2	3640.3	3648.7	3644.5	3638.2	3633.9
32.5°	3511.3	3526.1	3534.6	3547.3	3553.6	3564.2	3564.2	3576.9	3564.2	3562.1	3557.8
35°	3431.0	3443.7	3447.9	3466.9	3473.3	3483.9	3483.9	3494.4	3483.9	3376.0	2665.7
37.5°	3350.7	3363.4	3371.8	3388.7	3390.8	3397.2	3135.0	2293.7	1479.8	1145.8	875.2
40°	3255.5	3270.3	3278.8	3285.1	2308.5	1465.0	1008.4	820.2	820.2	826.6	832.9
42.5°	3154.1	3164.6	2204.9	1283.2	799.1	797.0	803.3	809.7	816.0	824.5	832.9
45°	2479.7	1251.5	794.9	775.8	782.2	790.6	799.1	807.5	818.1	826.6	830.8
47.5°	813.9	763.1	773.7	765.3	775.8	786.4	794.9	803.3	805.4	807.5	805.4
50°	752.6	752.6	758.9	758.9	767.4	771.6	771.6	771.6	763.1	761.0	754.7
52.5°	727.2	744.1	735.7	739.9	735.7	729.3	723.0	716.6	704.0	699.7	691.3
55°	714.5	720.9	699.7	693.4	684.9	668.0	659.6	651.1	640.5	636.3	625.7
57.5°	684.9	670.1	646.9	636.3	621.5	604.6	596.1	589.8	579.2	575.0	568.7
60°	630.0	600.4	585.6	572.9	556.0	541.2	534.8	530.6	522.2	520.0	513.7
62.5°	562.3	537.0	524.3	507.4	494.7	486.2	479.9	477.8	469.3	469.3	465.1
65°	488.3	475.6	465.1	448.2	441.8	433.4	431.3	429.1	424.9	422.8	418.6
67.5°	429.1	420.7	405.9	397.4	393.2	386.9	382.6	378.4	369.9	365.7	359.4
70°	376.3	369.9	355.1	348.8	340.4	329.8	323.4	319.2	312.9	308.6	302.3
72.5°	325.6	306.5	296.0	289.6	283.3	272.7	270.6	266.4	260.0	257.9	251.6
75°	262.1	247.3	241.0	236.8	230.4	224.1	224.1	224.1	217.7	215.6	213.5
77.5°	209.3	200.8	196.6	192.4	190.3	186.0	179.7	177.6	171.2	171.2	169.1
80°	160.7	156.4	152.2	150.1	148.0	143.8	139.5	137.4	131.1	131.1	129.0
82.5°	118.4	116.3	114.2	112.0	109.9	107.8	101.5	99.4	95.1	95.1	93.0
85°	84.6	82.4	78.2	76.1	76.1	74.0	67.6	65.5	61.3	61.3	61.3
87.5°	52.8	50.7	48.6	46.5	44.4	42.3	38.1	35.9	35.9	31.7	29.6
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4733.2	4769.2	4764.9	4790.3	4796.6	4809.3	4813.5	4815.7	4784.0	4809.3	4811.4
5°	5012.3	5018.6	5022.8	5033.4	5044.0	5046.1	5035.5	5022.8	5027.1	5018.6	4997.5
7.5°	4788.2	4756.5	4750.1	4741.7	4737.4	4733.2	4714.2	4731.1	4712.1	4703.6	4674.0
10°	4513.4	4483.8	4481.7	4481.7	4488.0	4485.9	4481.7	4473.2	4490.1	4479.5	4473.2
12.5°	4369.6	4359.0	4365.4	4361.2	4378.1	4382.3	4378.1	4378.1	4373.8	4365.4	4369.6
15°	4282.9	4274.5	4280.8	4274.5	4287.2	4289.3	4278.7	4285.1	4274.5	4263.9	4259.7
17.5°	4168.8	4149.8	4135.0	4113.8	4115.9	4111.7	4099.0	4099.0	4088.5	4061.0	4063.1
20°	3948.9	3929.9	3921.4	3921.4	3932.0	3936.2	3934.1	3938.4	3927.8	3923.6	3906.6
22.5°	3811.5	3809.4	3813.6	3824.2	3841.1	3864.4	3866.5	3866.5	3866.5	3864.4	3843.2
25°	3762.9	3762.9	3767.1	3781.9	3794.6	3811.5	3815.7	3820.0	3815.7	3815.7	3796.7
27.5°	3707.9	3703.7	3712.2	3727.0	3741.8	3754.4	3765.0	3767.1	3760.8	3760.8	3767.1
30°	3640.3	3638.2	3648.7	3663.5	3676.2	3688.9	3699.5	3707.9	3699.5	3699.5	3693.1
32.5°	3570.5	3570.5	3574.8	3486.0	3232.3	2911.0	2917.3	2731.3	2602.3	2439.5	2655.2
35°	2228.1	1621.4	1393.1	1179.6	1029.5	932.3	930.2	898.4	883.6	873.1	871.0
37.5°	841.4	845.6	854.1	858.3	864.6	868.8	871.0	871.0	871.0	871.0	868.8
40°	839.3	847.7	854.1	860.4	866.7	871.0	871.0	873.1	875.2	875.2	875.2
42.5°	841.4	849.8	858.3	864.6	868.8	871.0	873.1	875.2	875.2	875.2	875.2
45°	839.3	843.5	843.5	845.6	845.6	845.6	847.7	847.7	845.6	843.5	847.7
47.5°	807.5	807.5	801.2	799.1	797.0	792.7	794.9	792.7	790.6	788.5	792.7
50°	752.6	744.1	739.9	735.7	733.6	729.3	731.4	729.3	727.2	723.0	729.3
52.5°	687.0	684.9	676.5	672.2	670.1	672.2	668.0	665.9	663.8	661.7	663.8
55°	623.6	615.2	613.1	608.8	606.7	608.8	606.7	604.6	602.5	600.4	602.5
57.5°	566.5	560.2	558.1	553.9	553.9	553.9	553.9	551.8	549.6	547.5	549.6
60°	511.6	507.4	505.2	505.2	503.1	503.1	503.1	501.0	498.9	498.9	501.0
62.5°	465.1	465.1	458.7	456.6	456.6	458.7	456.6	454.5	452.4	450.3	454.5
65°	416.5	408.0	405.9	401.7	397.4	399.5	397.4	395.3	393.2	391.1	395.3
67.5°	357.3	355.1	346.7	342.5	340.4	342.5	340.4	338.2	336.1	334.0	338.2
70°	300.2	300.2	291.7	289.6	287.5	287.5	285.4	285.4	283.3	281.2	285.4
72.5°	249.5	249.5	247.3	243.1	241.0	238.9	236.8	234.7	234.7	236.8	236.8
75°	207.2	202.9	194.5	196.6	194.5	192.4	192.4	190.3	188.1	192.4	190.3
77.5°	162.8	160.7	154.3	156.4	154.3	152.2	152.2	150.1	148.0	150.1	150.1
80°	122.6	122.6	120.5	118.4	118.4	116.3	114.2	114.2	112.0	114.2	114.2
82.5°	88.8	88.8	86.7	84.6	82.4	82.4	80.3	80.3	80.3	80.3	80.3
85°	57.1	55.0	55.0	50.7	50.7	50.7	48.6	48.6	48.6	48.6	48.6
87.5°	27.5	27.5	25.4	25.4	23.3	21.1	21.1	19.0	19.0	21.1	21.1
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4773.4	4800.9	4777.6	4788.2	4790.3	4826.2	4824.1	4832.6	4817.8	4800.9	4777.6
5°	5016.5	5003.8	4986.9	5027.1	5005.9	5031.3	5039.7	5056.7	5056.7	5054.5	5035.5
7.5°	4705.7	4678.3	4699.4	4714.2	4720.5	4703.6	4737.4	4775.5	4807.2	4826.2	4828.3
10°	4462.6	4471.1	4469.0	4475.3	4490.1	4488.0	4509.1	4530.3	4538.7	4551.4	4555.6
12.5°	4348.5	4346.4	4350.6	4365.4	4373.8	4371.7	4392.9	4405.5	4409.8	4411.9	4409.8
15°	4257.6	4242.8	4253.3	4255.5	4261.8	4261.8	4287.2	4306.2	4314.6	4318.9	4314.6
17.5°	4086.3	4050.4	4084.2	4084.2	4107.5	4103.2	4143.4	4175.1	4192.0	4204.7	4204.7
20°	3917.2	3900.3	3913.0	3908.8	3925.7	3923.6	3948.9	3970.1	3984.9	3995.4	4008.1
22.5°	3849.6	3853.8	3834.8	3836.9	3836.9	3834.8	3847.5	3858.0	3862.3	3868.6	3864.4
25°	3805.2	3809.4	3803.1	3792.5	3788.3	3792.5	3798.8	3811.5	3813.6	3809.4	3794.6
27.5°	3760.8	3748.1	3758.7	3739.6	3735.4	3743.9	3752.3	3754.4	3756.6	3756.6	3743.9
30°	3693.1	3682.6	3693.1	3684.7	3676.2	3684.7	3691.0	3691.0	3695.2	3697.4	3682.6
32.5°	2581.2	2602.3	2944.8	3152.0	3443.7	3591.7	3619.1	3619.1	3623.4	3623.4	3610.7
35°	879.4	881.5	953.4	1033.7	1205.0	1416.4	1693.3	1837.1	2323.3	2904.6	3466.9
37.5°	868.8	866.7	864.6	862.5	860.4	858.3	854.1	851.9	864.6	1025.3	1391.0
40°	873.1	871.0	866.7	864.6	862.5	858.3	856.2	851.9	847.7	843.5	839.3
42.5°	873.1	871.0	868.8	866.7	864.6	862.5	858.3	854.1	849.8	843.5	837.1
45°	843.5	843.5	845.6	845.6	847.7	847.7	847.7	845.6	845.6	843.5	835.0
47.5°	788.5	788.5	794.9	794.9	799.1	803.3	803.3	807.5	813.9	818.1	820.2
50°	725.1	725.1	731.4	733.6	737.8	744.1	750.5	752.6	758.9	767.4	775.8
52.5°	661.7	661.7	668.0	668.0	672.2	678.6	684.9	687.0	695.5	704.0	714.5
55°	602.5	602.5	606.7	608.8	610.9	615.2	621.5	621.5	630.0	636.3	646.9
57.5°	549.6	553.9	553.9	553.9	556.0	560.2	564.4	564.4	570.8	577.1	585.6
60°	498.9	503.1	503.1	503.1	505.2	507.4	511.6	511.6	515.8	520.0	528.5
62.5°	452.4	456.6	456.6	458.7	458.7	460.8	465.1	463.0	467.2	469.3	475.6
65°	393.2	397.4	399.5	401.7	403.8	408.0	414.3	412.2	418.6	422.8	429.1
67.5°	336.1	340.4	340.4	342.5	344.6	348.8	353.0	353.0	359.4	363.6	372.1
70°	283.3	287.5	287.5	289.6	291.7	296.0	300.2	298.1	304.4	308.6	315.0
72.5°	234.7	238.9	238.9	241.0	241.0	245.2	249.5	253.7	253.7	257.9	262.1
75°	190.3	192.4	194.5	194.5	196.6	198.7	202.9	207.2	209.3	211.4	215.6
77.5°	150.1	152.2	154.3	154.3	156.4	158.5	160.7	169.1	173.3	175.5	175.5
80°	114.2	116.3	116.3	116.3	118.4	120.5	124.7	124.7	133.2	133.2	135.3
82.5°	80.3	82.4	82.4	82.4	84.6	88.8	90.9	93.0	97.2	99.4	99.4
85°	48.6	50.7	50.7	50.7	52.8	55.0	59.2	61.3	63.4	63.4	65.5
87.5°	19.0	21.1	23.3	23.3	25.4	27.5	29.6	31.7	33.8	33.8	35.9
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4752.2	4767.0	4752.2	4760.7	4771.3	4752.2	4707.8	4690.9	4684.6	4659.2	4642.3
5°	5016.5	5016.5	5010.1	5027.1	5024.9	4995.4	4948.8	4927.7	4906.6	4879.1	4857.9
7.5°	4828.3	4845.3	4855.8	4921.4	4963.6	4967.9	4997.5	5003.8	5012.3	5003.8	4991.1
10°	4557.8	4551.4	4581.0	4642.3	4678.3	4697.3	4754.4	4781.8	4805.1	4851.6	4900.2
12.5°	4405.5	4414.0	4426.7	4471.1	4504.9	4496.5	4519.7	4538.7	4566.2	4612.7	4682.5
15°	4304.1	4312.5	4325.2	4359.0	4380.2	4369.6	4382.3	4395.0	4414.0	4437.3	4479.5
17.5°	4194.2	4208.9	4223.7	4259.7	4278.7	4276.6	4287.2	4291.4	4297.7	4312.5	4342.1
20°	4022.9	4069.4	4099.0	4147.6	4175.1	4170.9	4189.9	4196.3	4204.7	4219.5	4232.2
22.5°	3866.5	3879.2	3894.0	3946.8	3993.3	4050.4	4063.1	4080.0	4101.1	4115.9	4128.6
25°	3777.7	3769.2	3775.6	3811.5	3836.9	3841.1	3860.1	3915.1	3972.2	3997.5	4027.1
27.5°	3724.8	3716.4	3714.3	3731.2	3735.4	3724.8	3720.6	3737.5	3779.8	3822.1	3910.9
30°	3667.8	3657.2	3648.7	3663.5	3669.9	3655.1	3627.6	3612.8	3638.2	3648.7	3684.7
32.5°	3600.1	3589.6	3585.3	3593.8	3598.0	3585.3	3555.7	3538.8	3534.6	3526.1	3534.6
35°	3524.0	3513.4	3507.1	3509.2	3517.7	3507.1	3481.7	3460.6	3450.0	3426.8	3409.9
37.5°	1815.9	2572.7	3340.1	3420.4	3428.9	3426.8	3401.4	3378.2	3367.6	3340.1	3331.6
40°	830.8	928.0	1393.1	1820.1	2625.6	3335.9	3312.6	3289.4	3270.3	3261.9	3230.2
42.5°	828.7	830.8	832.9	822.3	1018.9	1735.6	2562.2	3198.5	3185.8	3164.6	3141.4
45°	828.7	818.1	826.6	813.9	818.1	816.0	1016.8	1640.5	2919.4	3050.5	3039.9
47.5°	820.2	813.9	822.3	811.8	799.1	805.4	797.0	807.5	1259.9	2137.2	2927.9
50°	782.2	786.4	801.2	799.1	788.5	797.0	782.2	794.9	784.3	860.4	1657.4
52.5°	725.1	733.6	748.4	761.0	765.3	775.8	771.6	775.8	767.4	769.5	771.6
55°	657.5	668.0	680.7	699.7	708.2	725.1	737.8	744.1	754.7	752.6	735.7
57.5°	594.0	604.6	615.2	634.2	653.2	661.7	684.9	697.6	725.1	718.8	714.5
60°	534.8	543.3	553.9	558.1	581.3	596.1	617.3	630.0	665.9	674.4	687.0
62.5°	482.0	486.2	494.7	501.0	515.8	530.6	541.2	562.3	581.3	608.8	627.9
65°	433.4	437.6	443.9	448.2	450.3	471.4	477.8	501.0	507.4	537.0	553.9
67.5°	378.4	386.9	395.3	399.5	403.8	416.5	420.7	431.3	446.1	458.7	479.9
70°	321.3	327.7	336.1	342.5	350.9	359.4	372.1	378.4	389.0	397.4	414.3
72.5°	268.5	274.8	279.0	285.4	291.7	298.1	308.6	323.4	331.9	346.7	350.9
75°	217.7	224.1	228.3	232.5	238.9	243.1	247.3	262.1	270.6	283.3	296.0
77.5°	179.7	179.7	183.9	196.6	194.5	194.5	198.7	207.2	213.5	222.0	234.7
80°	139.5	141.6	143.8	154.3	156.4	158.5	156.4	162.8	169.1	171.2	179.7
82.5°	103.6	105.7	105.7	112.0	118.4	118.4	118.4	120.5	126.8	129.0	133.2
85°	69.8	71.9	74.0	76.1	80.3	82.4	84.6	84.6	88.8	90.9	93.0
87.5°	38.1	42.3	44.4	46.5	48.6	50.7	52.8	55.0	57.1	59.2	61.3
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7	4612.7
2.5°	4636.0	4625.4	4619.1	4602.2	4597.9	4570.4	4574.7	4570.4	4570.4	4576.8	4597.9
5°	4834.7	4784.0	4771.3	4735.3	4705.7	4655.0	4623.3	4606.4	4581.0	4570.4	4585.2
7.5°	4970.0	4931.9	4900.2	4868.5	4826.2	4767.0	4722.6	4671.9	4629.6	4589.5	4578.9
10°	4946.7	4989.0	4989.0	4970.0	4929.8	4870.6	4817.8	4754.4	4680.4	4616.9	4578.9
12.5°	4750.1	4824.1	4883.3	4927.7	4967.9	4927.7	4874.9	4824.1	4741.7	4648.7	4578.9
15°	4534.5	4610.6	4684.6	4777.6	4874.9	4915.0	4912.9	4853.7	4779.7	4682.5	4585.2
17.5°	4382.3	4435.1	4475.3	4576.8	4695.2	4798.8	4868.5	4872.7	4800.9	4714.2	4587.4
20°	4268.1	4306.2	4340.0	4397.1	4500.7	4627.5	4756.5	4828.3	4815.7	4720.5	4593.7
22.5°	4164.6	4192.0	4219.5	4261.8	4344.2	4426.7	4576.8	4724.8	4788.2	4710.0	4587.4
25°	4061.0	4090.6	4111.7	4141.3	4206.8	4274.5	4380.2	4564.1	4705.7	4701.5	4574.7
27.5°	3938.4	3978.5	4003.9	4044.1	4088.5	4139.2	4211.1	4384.4	4587.4	4659.2	4540.8
30°	3790.4	3849.6	3887.6	3932.0	3970.1	4014.5	4071.5	4177.2	4428.8	4576.8	4504.9
32.5°	3576.9	3682.6	3767.1	3809.4	3851.7	3889.7	3940.5	4029.3	4234.3	4464.7	4464.7
35°	3424.7	3473.3	3549.4	3672.0	3724.8	3762.9	3809.4	3879.2	4010.2	4331.6	4399.2
37.5°	3306.3	3325.3	3363.4	3483.9	3583.2	3644.5	3691.0	3735.4	3864.4	4149.8	4314.6
40°	3217.5	3211.1	3206.9	3264.0	3405.6	3502.9	3555.7	3600.1	3699.5	3932.0	4202.6
42.5°	3113.9	3107.6	3086.4	3101.2	3171.0	3333.8	3414.1	3462.7	3545.2	3703.7	4080.0
45°	3006.1	2995.5	2987.1	2972.3	2997.6	3088.5	3253.4	3325.3	3371.8	3513.4	3925.7
47.5°	2896.2	2881.4	2870.8	2858.1	2843.3	2885.6	3042.0	3171.0	3251.3	3340.1	3739.6
50°	2739.7	2758.8	2746.1	2731.3	2718.6	2710.1	2775.7	2987.1	3086.4	3158.3	3513.4
52.5°	1291.6	2511.4	2617.1	2602.3	2585.4	2570.6	2585.4	2746.1	2925.8	2982.8	3240.7
55°	735.7	1118.3	2327.5	2460.7	2445.9	2424.7	2412.1	2467.0	2735.5	2811.6	2991.3
57.5°	708.2	710.3	1027.4	2217.6	2300.0	2281.0	2266.2	2278.9	2507.2	2636.1	2773.6
60°	684.9	684.9	684.9	980.9	2120.3	2126.7	2107.6	2086.5	2185.9	2439.5	2553.7
62.5°	634.2	646.9	653.2	653.2	968.2	1963.9	1944.9	1938.5	1942.8	2202.8	2333.8
65°	568.7	598.3	610.9	619.4	619.4	1016.8	1777.9	1767.3	1752.5	1851.9	2111.9
67.5°	496.8	526.4	553.9	570.8	572.9	591.9	1061.2	1591.8	1570.7	1572.8	1875.1
70°	422.8	448.2	477.8	503.1	526.4	537.0	553.9	1321.2	1391.0	1361.4	1606.6
72.5°	365.7	376.3	397.4	422.8	450.3	475.6	490.4	526.4	1207.1	1175.4	1221.9
75°	304.4	312.9	327.7	344.6	365.7	395.3	420.7	446.1	640.5	985.1	978.8
77.5°	236.8	251.6	268.5	279.0	289.6	310.8	344.6	369.9	395.3	665.9	784.3
80°	181.8	192.4	200.8	211.4	224.1	238.9	251.6	281.2	310.8	334.0	600.4
82.5°	135.3	141.6	148.0	152.2	156.4	164.9	188.1	198.7	217.7	238.9	283.3
85°	95.1	99.4	103.6	105.7	107.8	109.9	118.4	120.5	139.5	143.8	171.2
87.5°	61.3	63.4	67.6	69.8	69.8	71.9	74.0	74.0	74.0	69.8	84.6
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-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	4612.7	4612.7
2.5°	4614.8	4648.7
5°	4608.5	4652.9
7.5°	4591.6	4633.9
10°	4566.2	4616.9
12.5°	4538.7	4587.4
15°	4515.5	4551.4
17.5°	4490.1	4511.2
20°	4456.3	4473.2
22.5°	4422.5	4414.0
25°	4384.4	4365.4
27.5°	4335.8	4299.9
30°	4291.4	4228.0
32.5°	4249.1	4145.5
35°	4192.0	4061.0
37.5°	4132.8	3974.3
40°	4063.1	3874.9
42.5°	3989.1	3775.6
45°	3896.1	3680.5
47.5°	3813.6	3566.3
50°	3699.5	3443.7
52.5°	3560.0	3329.5
55°	3395.1	3190.0
57.5°	3217.5	3044.1
60°	3027.2	2877.1
62.5°	2796.8	2703.8
65°	2526.2	2505.1
67.5°	2173.2	2285.2
70°	1782.1	2033.7
72.5°	1490.4	1767.3
75°	1221.9	1469.2
77.5°	968.2	1152.1
80°	604.6	843.5
82.5°	405.9	553.9
85°	245.2	264.2
87.5°	95.1	97.2
90°	0.0	0.0

(END OF REPORT)