

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-LD5-93SL-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-LD5-93SL-RW-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
WHITE REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

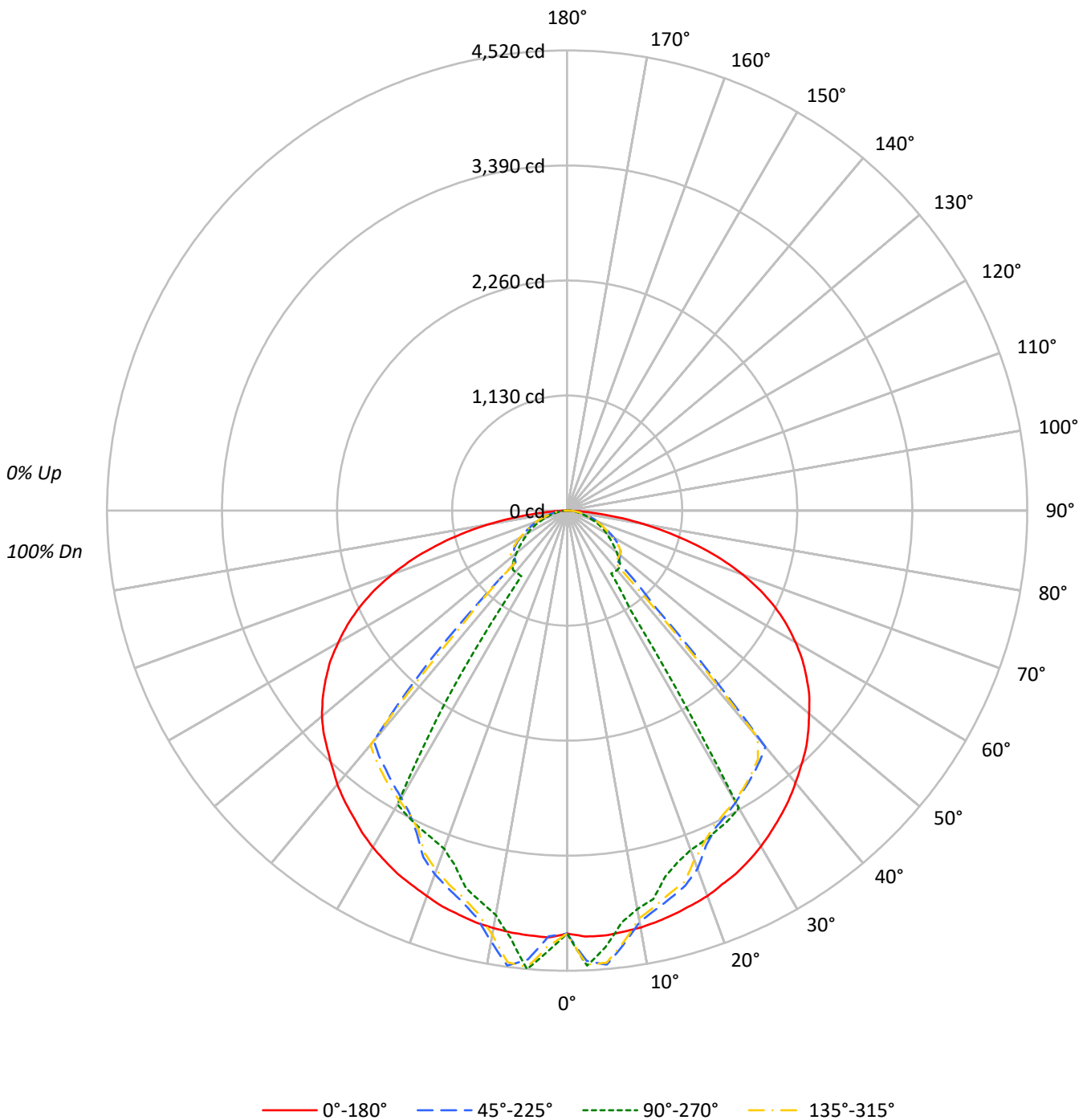
Lumens per Lamp: N/A  
Luminaire Lumens: 8320.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 75  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#  
CATALOG NUMBER: 8SNLED-LD5-93SL-RW-UNV-L935-CD1-U

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89					87				
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°	16788	16788	16788	16788
5°	16975	16914	16968	17752
10°	17015	15292	17039	15526
15°	17077	14149	17117	14597
20°	17226	13420	17226	13369
25°	17403	13163	17428	13040
30°	17609	12931	17653	12777
35°	17847	2945	17884	3072
40°	18171	3063	18280	3162
45°	18652	3046	18716	3156
50°	19141	2754	19400	2828
55°	19799	2445	19957	2480
60°	20390	2173	20435	2201
65°	20873	1896	20821	1866
70°	20749	1528	20685	1473
75°	19522	1176	19662	1127
80°	16238	835	16890	764
85°	9362	500	9885	384



TEST NUMBER: P#

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	408.8	4.9
10°-20°	1123.9	13.5
20°-30°	1664.8	20.0
30°-40°	1677.4	20.2
40°-50°	1310.3	15.7
50°-60°	1012.1	12.2
60°-70°	679.5	8.2
70°-80°	346.6	4.2
80°-90°	96.4	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°	3197.5	38.4
0°-40°	4874.9	58.6
0°-60°	7197.4	86.5
0°-90°	8320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8320.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4155	4155	4155	4155	4155	
5°	4191	4307	4189	4520	4191	399
15°	4100	3723	4109	3841	4100	1160
25°	3932	3469	3938	3437	3932	1814
35°	3658	754	3665	786	3658	2292
45°	3315	733	3326	760	3315	2556
55°	2873	533	2896	541	2873	2566
65°	2256	358	2251	352	2256	2219
75°	1323	181	1333	173	1323	1384
85°	238	57	251	44	238	327
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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4187.2	4202.4	4213.8	4221.4	4225.2	4225.2	4227.2	4229.1	4253.8	4265.2	4272.8
5°	4191.0	4206.2	4229.1	4259.5	4286.2	4309.0	4328.1	4354.7	4381.4	4409.9	4419.5
7.5°	4173.8	4192.9	4238.6	4293.8	4345.2	4381.4	4406.1	4423.3	4436.6	4438.5	4448.0
10°	4158.6	4192.9	4255.7	4328.1	4392.8	4436.6	4436.6	4427.1	4440.4	4389.0	4337.6
12.5°	4131.9	4170.0	4255.7	4350.9	4411.9	4429.0	4421.4	4383.3	4305.2	4242.4	4213.8
15°	4099.6	4151.0	4257.6	4364.2	4415.7	4421.4	4349.0	4251.9	4192.9	4154.8	4107.2
17.5°	4063.4	4131.9	4259.5	4366.2	4385.2	4358.5	4221.4	4160.5	4099.6	4010.1	3945.3
20°	4029.1	4095.8	4244.3	4339.5	4350.9	4231.0	4124.3	4059.6	3956.8	3878.7	3850.1
22.5°	3975.8	4053.9	4231.0	4303.3	4259.5	4120.5	4017.7	3914.9	3821.6	3798.7	3764.4
25°	3932.0	4013.9	4200.5	4259.5	4143.4	4019.6	3899.6	3779.7	3735.9	3703.5	3673.1
27.5°	3873.0	3973.9	4160.5	4179.5	4019.6	3911.1	3735.9	3682.6	3642.6	3606.4	3593.1
30°	3808.2	3932.0	4105.3	4069.1	3916.8	3756.8	3627.4	3577.8	3549.3	3511.2	3496.0
32.5°	3734.0	3869.2	4044.4	3941.5	3806.3	3606.4	3522.6	3484.5	3446.5	3417.9	3322.7
35°	3657.8	3814.0	3972.0	3819.7	3673.1	3492.2	3417.9	3383.6	3347.4	3242.7	3143.7
37.5°	3579.7	3753.0	3884.4	3688.3	3496.0	3374.1	3311.3	3273.2	3191.3	3058.0	3008.5
40°	3490.3	3678.8	3772.1	3553.1	3341.7	3254.1	3195.1	3157.0	2972.3	2913.3	2898.1
42.5°	3400.8	3606.4	3635.0	3421.7	3214.2	3126.6	3077.1	2951.4	2825.7	2795.3	2801.0
45°	3315.1	3528.3	3484.5	3235.1	3080.9	3008.5	2924.7	2751.5	2684.8	2700.0	2703.9
47.5°	3212.3	3435.0	3326.5	3048.5	2943.8	2871.4	2684.8	2580.1	2570.6	2591.5	2602.9
50°	3101.8	3330.3	3158.9	2879.0	2795.3	2709.6	2498.2	2444.9	2456.3	2477.3	2490.6
52.5°	2999.0	3212.3	2985.7	2721.0	2648.6	2452.5	2309.7	2319.2	2338.3	2363.0	2370.6
55°	2873.3	3069.4	2801.0	2561.0	2492.5	2235.4	2170.7	2193.5	2212.6	2233.5	2248.8
57.5°	2741.9	2905.7	2582.0	2382.1	2271.6	2043.1	2048.8	2064.1	2077.4	2102.2	868.3
60°	2591.5	2719.1	2342.1	2216.4	1997.4	1890.8	1896.5	1923.2	1936.5	1081.5	597.9
62.5°	2435.4	2502.0	2125.0	2027.9	1746.1	1738.5	1765.1	1776.5	1209.1	571.2	559.8
65°	2256.4	2243.1	1911.7	1757.5	1574.7	1582.3	1610.9	1553.8	535.1	535.1	531.3
67.5°	2058.4	1978.4	1704.2	1454.7	1409.1	1426.2	1456.7	508.4	495.1	498.9	485.6
70°	1831.8	1719.4	1489.0	1232.0	1247.2	1264.3	491.3	460.8	455.1	445.6	418.9
72.5°	1591.8	1437.6	1218.6	1070.1	1079.6	677.9	430.3	415.1	396.1	377.0	348.5
75°	1323.4	1123.4	894.9	894.9	908.3	386.5	375.1	350.4	329.4	304.7	287.5
77.5°	1037.7	864.5	695.0	721.7	352.3	323.7	302.8	276.1	259.0	243.7	234.2
80°	759.7	603.6	523.6	468.4	274.2	245.6	224.7	209.5	201.8	192.3	180.9
82.5°	498.9	363.7	363.7	220.9	192.3	169.5	163.8	152.3	144.7	139.0	133.3
85°	238.0	211.4	159.9	135.2	120.0	108.5	104.7	99.0	99.0	97.1	95.2
87.5°	87.6	95.2	70.5	68.5	64.7	62.8	64.7	64.7	66.6	64.7	62.8
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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4291.9	4307.1	4318.5	4337.6	4362.3	4383.3	4402.3	4429.0	4470.9	4482.3	4491.8
5°	4419.5	4425.2	4438.5	4453.7	4457.5	4467.1	4465.2	4476.6	4482.3	4495.6	4467.1
7.5°	4427.1	4396.6	4360.4	4328.1	4305.2	4284.3	4270.9	4291.9	4303.3	4312.8	4284.3
10°	4267.1	4231.0	4210.0	4191.0	4168.1	4135.8	4092.0	4101.5	4097.7	4097.7	4088.1
12.5°	4166.2	4114.8	4061.5	4013.9	3992.9	3991.0	3992.9	4013.9	4013.9	4012.0	4000.6
15°	4008.2	3958.7	3932.0	3920.6	3920.6	3914.9	3914.9	3937.7	3932.0	3932.0	3926.3
17.5°	3903.4	3869.2	3850.1	3836.8	3831.1	3840.6	3852.0	3861.6	3863.5	3855.8	3825.4
20°	3817.8	3785.4	3762.5	3766.4	3764.4	3770.2	3775.9	3743.5	3703.5	3650.2	3625.4
22.5°	3728.3	3703.5	3686.4	3686.4	3663.5	3627.4	3574.0	3562.6	3556.9	3532.1	3511.2
25°	3642.6	3614.0	3589.3	3513.1	3465.5	3471.2	3461.7	3442.7	3440.7	3438.8	3446.5
27.5°	3556.9	3482.6	3387.4	3376.0	3357.0	3355.1	3366.5	3376.0	3376.0	3383.6	3393.1
30°	3379.8	3294.1	3277.0	3256.0	3263.7	3290.3	3296.0	3309.4	3313.2	3326.5	3334.1
32.5°	3218.0	3179.9	3164.7	3174.2	3198.9	3221.8	3235.1	3240.8	3250.3	3261.8	3271.3
35°	3086.6	3075.2	3088.5	3109.4	3134.2	3153.2	3164.7	3176.1	3185.6	3195.1	3202.7
37.5°	2989.5	2997.1	3016.1	3042.8	3067.5	3082.8	3092.3	3105.6	3119.0	3130.4	3084.7
40°	2898.1	2917.1	2938.1	2966.6	2987.6	3002.8	3012.3	3029.5	2915.2	1319.6	723.6
42.5°	2818.1	2839.0	2854.3	2877.1	2900.0	2911.4	2827.6	1262.4	714.0	710.2	719.8
45°	2721.0	2738.1	2762.9	2780.0	2801.0	1839.4	702.6	710.2	698.8	706.4	710.2
47.5°	2622.0	2648.6	2662.0	2540.1	755.9	698.8	691.2	698.8	691.2	700.7	695.0
50°	2509.6	2542.0	1808.9	683.6	677.9	674.1	681.7	677.9	683.6	691.2	676.0
52.5°	2395.4	1483.3	662.6	658.8	662.6	658.8	672.2	662.6	664.5	656.9	637.9
55°	811.2	641.7	636.0	634.1	645.5	645.5	645.5	630.3	620.7	601.7	588.4
57.5°	620.7	620.7	618.8	620.7	616.9	613.1	596.0	582.7	569.3	542.7	535.1
60°	588.4	588.4	588.4	588.4	571.2	563.6	537.0	525.5	502.7	489.4	481.7
62.5°	561.7	557.9	540.8	535.1	516.0	495.1	479.8	468.4	445.6	437.9	432.2
65°	523.6	510.3	489.4	466.5	457.0	434.1	426.5	409.4	398.0	392.2	388.4
67.5°	460.8	441.8	424.6	409.4	392.2	384.6	375.1	361.8	354.2	350.4	346.6
70°	394.2	380.8	363.7	354.2	342.7	337.0	323.7	319.9	314.2	308.5	302.8
72.5°	329.4	321.8	314.2	300.9	297.0	293.2	279.9	272.3	264.7	257.1	253.2
75°	276.1	270.4	266.6	255.2	249.4	238.0	228.5	222.8	217.1	211.4	207.5
77.5°	226.6	222.8	211.4	203.7	199.9	190.4	186.6	188.5	184.7	177.1	173.3
80°	177.1	173.3	163.8	163.8	159.9	156.1	152.3	148.5	144.7	139.0	135.2
82.5°	135.2	131.4	127.6	123.8	120.0	118.1	116.2	112.3	108.5	104.7	102.8
85°	95.2	93.3	91.4	89.5	87.6	85.7	83.8	80.0	76.2	74.3	72.4
87.5°	64.7	62.8	60.9	59.0	57.1	55.2	53.3	51.4	47.6	45.7	43.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4491.8	4501.3	4491.8	4470.9	4457.5	4451.8	4463.3	4463.3	4470.9	4480.4	4482.3
5°	4421.4	4398.5	4371.9	4345.2	4331.9	4324.3	4303.3	4307.1	4312.8	4316.6	4320.5
7.5°	4246.2	4215.7	4179.5	4145.3	4131.9	4120.5	4095.8	4095.8	4095.8	4097.7	4109.1
10°	4067.2	4053.9	4038.6	4015.8	3998.7	3992.9	3972.0	3977.7	3973.9	3979.6	3992.9
12.5°	3983.4	3968.2	3954.9	3932.0	3913.0	3905.4	3895.8	3901.5	3899.6	3909.2	3920.6
15°	3907.3	3899.6	3884.4	3867.3	3850.1	3834.9	3800.6	3789.2	3781.6	3772.1	3785.4
17.5°	3781.6	3728.3	3692.1	3665.4	3646.4	3633.1	3623.5	3623.5	3629.3	3635.0	3646.4
20°	3610.2	3595.0	3577.8	3549.3	3530.2	3522.6	3516.9	3516.9	3526.4	3534.1	3555.0
22.5°	3492.2	3490.3	3484.5	3471.2	3461.7	3461.7	3463.6	3467.4	3480.7	3492.2	3513.1
25°	3436.9	3444.6	3440.7	3433.1	3427.4	3429.3	3425.5	3429.3	3442.7	3454.1	3471.2
27.5°	3393.1	3404.6	3400.8	3389.3	3379.8	3383.6	3389.3	3385.5	3397.0	3410.3	3423.6
30°	3334.1	3336.0	3343.6	3330.3	3326.5	3332.2	3334.1	3337.9	3349.4	3358.9	3370.3
32.5°	3267.5	3282.7	3280.8	3267.5	3267.5	3273.2	3275.1	3147.5	2909.5	2505.8	2395.4
35°	3202.7	3219.9	3191.3	2690.5	1862.2	994.0	767.4	740.7	746.4	750.2	754.0
37.5°	2368.7	1123.4	715.9	721.7	727.4	733.1	738.8	744.5	750.2	755.9	757.8
40°	712.1	710.2	715.9	723.6	729.3	733.1	740.7	746.4	752.1	757.8	759.7
42.5°	704.5	708.3	714.0	721.7	729.3	736.9	742.6	750.2	754.0	757.8	759.7
45°	700.7	708.3	715.9	721.7	727.4	731.2	735.0	736.9	735.0	735.0	738.8
47.5°	695.0	702.6	704.5	702.6	704.5	702.6	702.6	702.6	696.9	695.0	695.0
50°	674.1	674.1	670.3	662.6	660.7	658.8	655.0	653.1	645.5	643.6	643.6
52.5°	630.3	628.4	622.6	613.1	609.3	605.5	603.6	601.7	594.1	590.3	592.2
55°	578.9	575.0	569.3	557.9	556.0	552.2	550.3	548.4	540.8	544.6	538.9
57.5°	531.3	523.6	516.0	514.1	506.5	504.6	502.7	500.8	495.1	497.0	493.2
60°	474.1	472.2	468.4	460.8	460.8	458.9	458.9	455.1	451.3	449.4	449.4
62.5°	432.2	426.5	422.7	422.7	417.0	417.0	417.0	413.2	409.4	411.3	409.4
65°	386.5	384.6	382.7	378.9	378.9	377.0	377.0	373.2	367.5	369.4	365.6
67.5°	348.5	344.6	340.8	338.9	331.3	327.5	325.6	323.7	316.1	318.0	314.2
70°	300.9	295.1	291.3	287.5	281.8	278.0	278.0	274.2	268.5	270.4	266.6
72.5°	251.3	247.5	243.7	241.8	236.1	234.2	232.3	230.4	224.7	226.6	224.7
75°	209.5	209.5	207.5	205.6	199.9	194.2	190.4	188.5	184.7	186.6	182.8
77.5°	173.3	169.5	165.7	165.7	159.9	156.1	152.3	152.3	152.3	150.4	148.5
80°	135.2	131.4	131.4	129.5	125.7	121.9	120.0	120.0	118.1	118.1	116.2
82.5°	102.8	99.0	97.1	97.1	93.3	91.4	89.5	87.6	87.6	87.6	85.7
85°	72.4	68.5	66.6	66.6	62.8	60.9	60.9	59.0	59.0	57.1	57.1
87.5°	43.8	41.9	40.0	40.0	36.2	34.3	34.3	34.3	32.4	32.4	30.5
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-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4482.3	4482.3	4469.0	4472.8	4467.1	4474.7	4465.2	4465.2	4476.6	4476.6	4484.2
5°	4322.4	4312.8	4310.9	4307.1	4288.1	4295.7	4286.2	4276.7	4290.0	4290.0	4307.1
7.5°	4103.4	4086.2	4093.9	4082.4	4071.0	4053.9	4059.6	4052.0	4061.5	4074.8	4092.0
10°	3991.0	3975.8	3985.3	3973.9	3979.6	3954.9	3956.8	3958.7	3968.2	3972.0	3987.2
12.5°	3918.7	3914.9	3911.1	3907.3	3911.1	3897.7	3890.1	3892.0	3895.8	3897.7	3909.2
15°	3766.4	3741.6	3749.2	3722.6	3724.5	3726.4	3711.1	3726.4	3724.5	3749.2	3772.1
17.5°	3642.6	3642.6	3629.3	3617.8	3610.2	3608.3	3596.9	3604.5	3596.9	3612.1	3617.8
20°	3556.9	3555.0	3553.1	3547.4	3528.3	3530.2	3536.0	3518.8	3516.9	3515.0	3526.4
22.5°	3516.9	3518.8	3511.2	3511.2	3494.1	3497.9	3499.8	3480.7	3482.6	3476.9	3482.6
25°	3475.0	3478.8	3469.3	3469.3	3465.5	3463.6	3454.1	3457.9	3446.5	3436.9	3446.5
27.5°	3425.5	3433.1	3425.5	3429.3	3421.7	3417.9	3412.2	3408.4	3397.0	3395.0	3400.8
30°	3379.8	3383.6	3381.7	3372.2	3370.3	3358.9	3364.6	3353.2	3341.7	3343.6	3347.4
32.5°	1732.8	1654.7	1275.8	1152.0	1140.6	1182.5	1401.4	1706.1	2210.7	2700.0	3052.3
35°	755.9	755.9	755.9	754.0	754.0	752.1	750.2	748.3	746.4	744.5	742.6
37.5°	759.7	759.7	759.7	759.7	757.8	755.9	755.9	752.1	750.2	748.3	746.4
40°	761.6	763.6	763.6	763.6	761.6	761.6	759.7	755.9	754.0	750.2	746.4
42.5°	759.7	761.6	761.6	759.7	759.7	757.8	757.8	755.9	754.0	752.1	750.2
45°	735.0	736.9	733.1	733.1	731.2	731.2	731.2	731.2	731.2	733.1	733.1
47.5°	691.2	691.2	689.3	687.4	687.4	685.5	687.4	685.5	689.3	691.2	695.0
50°	639.8	639.8	636.0	634.1	634.1	634.1	634.1	636.0	637.9	641.7	645.5
52.5°	586.5	586.5	584.6	582.7	580.8	580.8	586.5	584.6	586.5	588.4	594.1
55°	535.1	537.0	533.2	533.2	531.3	531.3	531.3	533.2	535.1	537.0	542.7
57.5°	491.3	491.3	487.5	487.5	487.5	485.6	491.3	487.5	489.4	491.3	495.1
60°	447.5	445.6	445.6	443.7	443.7	443.7	447.5	445.6	445.6	447.5	451.3
62.5°	407.5	407.5	405.6	405.6	403.7	403.7	407.5	405.6	405.6	407.5	409.4
65°	361.8	361.8	359.9	358.0	363.7	358.0	363.7	359.9	363.7	365.6	369.4
67.5°	310.4	310.4	310.4	308.5	308.5	312.3	314.2	310.4	312.3	316.1	318.0
70°	264.7	264.7	262.8	262.8	262.8	266.6	268.5	264.7	266.6	268.5	272.3
72.5°	224.7	220.9	220.9	219.0	222.8	222.8	224.7	222.8	224.7	224.7	228.5
75°	184.7	180.9	180.9	180.9	184.7	182.8	184.7	182.8	184.7	184.7	186.6
77.5°	148.5	146.6	144.7	144.7	148.5	148.5	148.5	146.6	148.5	150.4	152.3
80°	116.2	114.2	112.3	112.3	116.2	116.2	116.2	118.1	116.2	118.1	120.0
82.5°	85.7	83.8	81.9	85.7	85.7	85.7	85.7	87.6	85.7	87.6	89.5
85°	57.1	55.2	53.3	57.1	57.1	57.1	57.1	59.0	57.1	59.0	60.9
87.5°	30.5	28.6	28.6	30.5	30.5	30.5	32.4	32.4	32.4	34.3	34.3
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-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4495.6	4501.3	4499.4	4488.0	4476.6	4463.3	4453.7	4455.6	4474.7	4480.4	4463.3
5°	4307.1	4343.3	4343.3	4368.1	4354.7	4343.3	4350.9	4392.8	4413.8	4446.1	4457.5
7.5°	4112.9	4130.0	4128.1	4152.9	4149.1	4149.1	4154.8	4210.0	4236.7	4263.3	4270.9
10°	4004.4	4021.5	4019.6	4021.5	4015.8	4002.5	4002.5	4027.2	4050.1	4063.4	4067.2
12.5°	3926.3	3935.8	3933.9	3933.9	3930.1	3918.7	3916.8	3937.7	3962.5	3979.6	3981.5
15°	3810.1	3836.8	3842.5	3867.3	3861.6	3846.3	3850.1	3867.3	3882.5	3897.7	3892.0
17.5°	3636.9	3650.2	3652.1	3661.6	3657.8	3657.8	3680.7	3743.5	3785.4	3821.6	3825.4
20°	3537.9	3547.4	3543.6	3564.5	3555.0	3553.1	3558.8	3585.5	3604.5	3621.6	3652.1
22.5°	3490.3	3497.9	3492.2	3494.1	3476.9	3461.7	3457.9	3478.8	3499.8	3522.6	3522.6
25°	3450.3	3456.0	3454.1	3450.3	3436.9	3416.0	3412.2	3416.0	3423.6	3425.5	3412.2
27.5°	3402.7	3406.5	3406.5	3408.4	3391.2	3372.2	3368.4	3364.6	3372.2	3370.3	3349.4
30°	3353.2	3347.4	3349.4	3351.3	3336.0	3318.9	3311.3	3309.4	3317.0	3315.1	3294.1
32.5°	3235.1	3278.9	3282.7	3286.5	3273.2	3258.0	3250.3	3244.6	3248.4	3246.5	3227.5
35°	740.7	754.0	923.5	2090.7	2839.0	3143.7	3176.1	3168.5	3170.4	3170.4	3155.1
37.5°	742.6	740.7	738.8	733.1	727.4	723.6	1251.0	2667.7	3090.4	3092.3	3079.0
40°	742.6	740.7	738.8	735.0	727.4	721.7	712.1	704.5	721.7	1588.0	2905.7
42.5°	746.4	742.6	738.8	735.0	727.4	719.8	712.1	702.6	708.3	704.5	695.0
45°	735.0	733.1	733.1	731.2	727.4	719.8	710.2	698.8	693.1	698.8	689.3
47.5°	698.8	700.7	706.4	708.3	708.3	710.2	704.5	696.9	687.4	693.1	681.7
50°	649.3	653.1	655.0	664.5	668.3	676.0	677.9	677.9	676.0	683.6	676.0
52.5°	596.0	599.8	609.3	613.1	616.9	628.4	632.2	637.9	641.7	653.1	660.7
55°	544.6	546.5	550.3	557.9	563.6	573.1	578.9	584.6	594.1	599.8	622.6
57.5°	497.0	498.9	506.5	508.4	512.2	519.8	525.5	533.2	540.8	544.6	571.2
60°	451.3	453.2	458.9	460.8	462.7	470.3	476.0	481.7	487.5	491.3	510.3
62.5°	411.3	411.3	417.0	417.0	418.9	424.6	428.4	432.2	437.9	439.9	449.4
65°	371.3	373.2	377.0	377.0	378.9	382.7	384.6	386.5	392.2	392.2	399.9
67.5°	321.8	323.7	329.4	333.2	335.1	342.7	344.6	346.6	350.4	352.3	356.1
70°	274.2	276.1	281.8	283.7	285.6	291.3	295.1	300.9	306.6	312.3	316.1
72.5°	230.4	232.3	238.0	238.0	243.7	245.6	249.4	251.3	257.1	260.9	266.6
75°	188.5	190.4	196.1	196.1	201.8	203.7	205.6	207.5	211.4	215.2	219.0
77.5°	154.2	154.2	161.9	165.7	169.5	169.5	171.4	171.4	171.4	173.3	177.1
80°	121.9	121.9	127.6	131.4	135.2	135.2	137.1	139.0	140.9	140.9	142.8
82.5°	91.4	91.4	97.1	99.0	102.8	102.8	102.8	104.7	106.6	104.7	108.5
85°	62.8	62.8	66.6	68.5	72.4	72.4	72.4	74.3	76.2	74.3	76.2
87.5°	36.2	38.1	40.0	41.9	43.8	45.7	45.7	45.7	47.6	47.6	49.5
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-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4444.2	4421.4	4419.5	4392.8	4385.2	4387.1	4366.2	4358.5	4324.3	4316.6	4280.5
5°	4461.4	4472.8	4467.1	4465.2	4470.9	4467.1	4451.8	4444.2	4438.5	4423.3	4392.8
7.5°	4272.8	4280.5	4286.2	4310.9	4331.9	4368.1	4406.1	4430.9	4449.9	4453.7	4429.0
10°	4080.5	4116.7	4141.5	4179.5	4210.0	4231.0	4253.8	4274.8	4330.0	4385.2	4417.6
12.5°	3981.5	3991.0	3989.1	4010.1	4031.0	4086.2	4139.6	4170.0	4211.9	4236.7	4295.7
15°	3897.7	3899.6	3905.4	3920.6	3932.0	3951.1	3975.8	4021.5	4105.3	4143.4	4175.7
17.5°	3821.6	3821.6	3825.4	3838.7	3853.9	3871.1	3886.3	3905.4	3947.2	4010.1	4090.1
20°	3699.7	3753.0	3758.7	3756.8	3764.4	3796.8	3800.6	3834.9	3855.8	3880.6	3958.7
22.5°	3518.8	3551.2	3596.9	3667.3	3694.0	3709.2	3720.7	3735.9	3768.3	3796.8	3829.2
25°	3419.8	3440.7	3454.1	3475.0	3530.2	3619.7	3636.9	3654.0	3675.0	3695.9	3735.9
27.5°	3332.2	3330.3	3339.8	3358.9	3374.1	3421.7	3505.5	3572.1	3575.9	3606.4	3640.7
30°	3269.4	3258.0	3244.6	3240.8	3261.8	3286.5	3311.3	3416.0	3488.4	3503.6	3539.8
32.5°	3210.3	3191.3	3172.3	3157.0	3143.7	3164.7	3179.9	3225.6	3318.9	3406.5	3425.5
35°	3138.0	3119.0	3096.1	3079.0	3058.0	3056.1	3054.2	3098.0	3128.5	3233.2	3324.6
37.5°	3063.7	3042.8	3023.7	3004.7	2983.8	2968.5	2959.0	2970.4	2999.0	3044.7	3197.0
40°	2985.7	2960.9	2941.9	2926.6	2898.1	2886.6	2867.6	2860.0	2861.9	2901.9	2981.9
42.5°	1784.2	2844.8	2854.3	2837.1	2812.4	2797.2	2776.2	2766.7	2747.6	2766.7	2812.4
45°	687.4	695.0	2081.2	2749.6	2719.1	2700.0	2681.0	2671.5	2650.5	2635.3	2677.2
47.5°	674.1	681.7	666.4	944.4	2595.3	2601.0	2578.2	2568.7	2547.7	2536.3	2524.9
50°	664.5	670.3	658.8	662.6	649.3	2378.2	2473.5	2462.0	2439.2	2425.9	2403.0
52.5°	655.0	655.0	647.4	637.9	634.1	636.0	2001.2	2353.5	2326.8	2313.5	2283.0
55°	624.6	628.4	636.0	620.7	616.9	615.0	609.3	1906.0	2203.1	2187.8	2161.2
57.5°	578.9	586.5	607.4	603.6	603.6	588.4	584.6	584.6	1768.9	2060.3	2033.6
60°	525.5	533.2	556.0	563.6	569.3	565.5	561.7	559.8	552.2	1864.1	1898.4
62.5°	470.3	477.9	485.6	510.3	517.9	527.4	538.9	533.2	525.5	525.5	1755.6
65°	411.3	422.7	426.5	449.4	458.9	476.0	485.6	498.9	495.1	493.2	502.7
67.5°	359.9	373.2	375.1	384.6	401.8	409.4	420.8	445.6	457.0	460.8	464.6
70°	316.1	323.7	329.4	333.2	344.6	346.6	367.5	384.6	401.8	420.8	426.5
72.5°	272.3	278.0	289.4	285.6	289.4	297.0	308.5	319.9	337.0	363.7	380.8
75°	222.8	226.6	234.2	238.0	245.6	251.3	259.0	268.5	283.7	297.0	319.9
77.5°	179.0	180.9	186.6	188.5	196.1	201.8	215.2	220.9	230.4	239.9	253.2
80°	144.7	144.7	146.6	146.6	152.3	158.0	167.6	173.3	184.7	192.3	192.3
82.5°	110.4	110.4	116.2	116.2	120.0	120.0	125.7	125.7	131.4	135.2	139.0
85°	78.1	80.0	83.8	81.9	85.7	83.8	87.6	91.4	93.3	91.4	89.5
87.5°	51.4	51.4	55.2	53.3	55.2	55.2	59.0	59.0	60.9	60.9	59.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4267.1	4238.6	4221.4	4200.5	4194.8	4189.1	4196.7	4196.7	4185.3	4175.7	4158.6
5°	4366.2	4335.7	4303.3	4269.0	4236.7	4202.4	4189.1	4187.2	4166.2	4154.8	4149.1
7.5°	4417.6	4402.3	4366.2	4318.5	4269.0	4208.1	4181.5	4166.2	4145.3	4141.5	4141.5
10°	4423.3	4406.1	4387.1	4352.8	4295.7	4215.7	4164.3	4133.8	4114.8	4128.1	4152.9
12.5°	4368.1	4400.4	4383.3	4360.4	4314.7	4217.6	4143.4	4097.7	4092.0	4126.2	4191.0
15°	4227.2	4322.4	4370.0	4347.1	4310.9	4213.8	4109.1	4055.8	4055.8	4126.2	4210.0
17.5°	4120.5	4194.8	4310.9	4330.0	4288.1	4206.2	4076.7	4013.9	4031.0	4133.8	4223.3
20°	4032.9	4078.6	4191.0	4297.6	4257.6	4189.1	4029.1	3964.4	3998.7	4122.4	4242.4
22.5°	3895.8	3987.2	4055.8	4213.8	4227.2	4156.7	3981.5	3903.4	3972.0	4122.4	4232.9
25°	3762.5	3873.0	3945.3	4099.6	4181.5	4116.7	3937.7	3838.7	3943.4	4116.7	4225.2
27.5°	3669.2	3720.7	3852.0	3962.5	4112.9	4063.4	3878.7	3768.3	3907.3	4086.2	4181.5
30°	3570.2	3604.5	3734.0	3838.7	4021.5	4002.5	3817.8	3690.2	3861.6	4057.7	4067.2
32.5°	3461.7	3499.8	3566.4	3718.8	3893.9	3945.3	3749.2	3612.1	3812.1	4013.9	3933.9
35°	3351.3	3379.8	3433.1	3596.9	3745.4	3859.7	3665.4	3522.6	3777.8	3947.2	3806.3
37.5°	3240.8	3271.3	3317.0	3454.1	3589.3	3779.7	3593.1	3433.1	3714.9	3829.2	3673.1
40°	3136.1	3153.2	3200.8	3286.5	3459.8	3697.8	3511.2	3339.8	3650.2	3678.8	3492.2
42.5°	2943.8	3029.5	3073.3	3141.8	3313.2	3585.5	3416.0	3240.8	3577.8	3528.3	3311.3
45°	2736.2	2922.8	2941.9	3010.4	3183.7	3465.5	3326.5	3143.7	3509.3	3398.9	3139.9
47.5°	2566.8	2701.9	2812.4	2869.5	3029.5	3324.6	3242.7	3061.8	3406.5	3235.1	2972.3
50°	2416.3	2488.7	2688.6	2730.5	2844.8	3155.1	3143.7	2966.6	3263.7	3029.5	2808.6
52.5°	2269.7	2321.1	2502.0	2591.5	2684.8	2972.3	3025.6	2873.3	3107.5	2823.8	2642.9
55°	2142.1	2159.3	2258.3	2446.8	2530.6	2787.6	2896.2	2764.8	2909.5	2627.7	2483.0
57.5°	2010.8	1995.5	2067.9	2309.7	2370.6	2599.1	2759.1	2654.3	2749.6	2427.8	2317.3
60°	1873.7	1852.7	1883.2	2043.1	2201.2	2412.5	2597.2	2532.5	2555.3	2229.7	2132.6
62.5°	1730.8	1709.9	1700.4	1801.3	2035.5	2220.2	2433.5	2397.3	2317.3	2048.8	1904.1
65°	1582.3	1561.4	1546.1	1586.1	1852.7	1970.8	2250.7	2241.2	2056.5	1858.4	1603.3
67.5°	481.7	1420.5	1388.1	1386.2	1561.4	1744.2	2052.6	2037.4	1793.7	1654.7	1380.5
70°	434.1	1152.0	1224.4	1207.2	1283.4	1513.8	1826.1	1814.6	1538.5	1327.2	1220.5
72.5°	398.0	407.5	1081.5	1062.5	1079.6	1287.2	1589.9	1559.5	1304.3	1047.3	1054.9
75°	340.8	358.0	373.2	896.8	874.0	1066.3	1332.9	1285.3	1075.8	864.5	881.6
77.5°	278.0	298.9	310.4	653.1	706.4	759.7	1064.4	1001.6	740.7	691.2	329.4
80°	207.5	224.7	243.7	260.9	537.0	531.3	790.2	727.4	516.0	430.3	257.1
82.5°	152.3	158.0	169.5	188.5	213.3	356.1	508.4	447.5	358.0	196.1	177.1
85°	95.2	102.8	108.5	114.2	129.5	213.3	251.3	199.9	150.4	120.0	112.3
87.5°	60.9	60.9	59.0	60.9	62.8	76.2	85.7	81.9	64.7	60.9	60.9
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-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4139.6	4112.9	4112.9	4105.3	4111.0	4111.0	4109.1	4111.0	4124.3	4131.9	4145.3
5°	4137.7	4130.0	4147.2	4168.1	4192.9	4223.3	4231.0	4257.6	4282.4	4314.7	4349.0
7.5°	4162.4	4189.1	4221.4	4255.7	4305.2	4341.4	4373.8	4406.1	4429.0	4459.5	4478.5
10°	4198.6	4251.9	4307.1	4350.9	4404.2	4434.7	4455.6	4459.5	4427.1	4375.7	4333.8
12.5°	4250.0	4312.8	4364.2	4406.1	4430.9	4419.5	4358.5	4295.7	4259.5	4206.2	4131.9
15°	4293.8	4350.9	4404.2	4387.1	4320.5	4257.6	4210.0	4135.8	4063.4	4013.9	3981.5
17.5°	4312.8	4368.1	4349.0	4259.5	4196.7	4124.3	4027.2	3970.1	3922.5	3884.4	3865.4
20°	4324.3	4314.7	4211.9	4147.2	4025.3	3958.7	3895.8	3842.5	3806.3	3787.3	3783.5
22.5°	4293.8	4177.6	4090.1	3973.9	3884.4	3829.2	3779.7	3735.9	3711.1	3695.9	3686.4
25°	4192.9	4057.7	3928.2	3836.8	3760.6	3713.0	3675.0	3638.8	3608.3	3600.7	3581.7
27.5°	4052.0	3941.5	3770.2	3699.7	3633.1	3610.2	3568.3	3532.1	3505.5	3482.6	3421.7
30°	3935.8	3760.6	3636.9	3572.1	3532.1	3505.5	3457.9	3419.8	3374.1	3290.3	3256.0
32.5°	3793.0	3619.7	3501.7	3465.5	3416.0	3393.1	3339.8	3256.0	3185.6	3151.3	3149.4
35°	3608.3	3465.5	3379.8	3347.4	3307.5	3269.4	3158.9	3082.8	3048.5	3052.3	3080.9
37.5°	3454.1	3326.5	3271.3	3225.6	3179.9	3082.8	2989.5	2953.3	2962.8	2981.9	2995.2
40°	3297.9	3200.8	3138.0	3101.8	2999.0	2903.8	2854.3	2867.6	2884.7	2898.1	2915.2
42.5°	3145.6	3077.1	3014.2	2943.8	2802.9	2751.5	2762.9	2780.0	2795.3	2814.3	2831.4
45°	3000.9	2940.0	2867.6	2707.7	2637.2	2650.5	2667.7	2681.0	2703.9	2717.2	2734.3
47.5°	2863.8	2799.1	2671.5	2530.6	2523.0	2549.6	2564.9	2582.0	2599.1	2564.9	1414.8
50°	2709.6	2642.9	2448.7	2395.4	2412.5	2437.3	2456.3	2473.5	2203.1	875.9	674.1
52.5°	2557.2	2387.8	2264.0	2279.2	2296.4	2324.9	2338.3	1736.6	691.2	658.8	660.7
55°	2387.8	2170.7	2134.5	2153.6	2168.8	2197.4	1456.7	637.9	634.1	632.2	647.4
57.5°	2121.2	1989.8	2005.0	2024.1	2039.3	1439.5	620.7	616.9	618.8	620.7	622.6
60°	1883.2	1854.6	1871.8	1888.9	1336.7	599.8	588.4	590.3	597.9	592.2	576.9
62.5°	1694.7	1717.5	1734.7	1519.5	569.3	563.6	569.3	563.6	550.3	540.8	521.7
65°	1550.0	1572.8	1586.1	535.1	533.2	540.8	535.1	516.0	495.1	468.4	462.7
67.5°	1397.6	1420.5	508.4	495.1	502.7	493.2	470.3	447.5	432.2	409.4	399.9
70°	1239.6	531.3	460.8	458.9	445.6	430.3	405.6	382.7	363.7	354.2	344.6
72.5°	894.9	420.8	415.1	399.9	377.0	356.1	335.1	321.8	312.3	306.6	300.9
75°	373.2	365.6	348.5	321.8	298.9	289.4	274.2	264.7	260.9	249.4	245.6
77.5°	312.3	297.0	272.3	253.2	239.9	234.2	222.8	211.4	205.6	203.7	196.1
80°	239.9	219.0	207.5	198.0	194.2	180.9	167.6	161.9	158.0	156.1	150.4
82.5°	163.8	156.1	148.5	135.2	135.2	129.5	123.8	120.0	116.2	116.2	112.3
85°	106.6	100.9	99.0	93.3	93.3	89.5	87.6	85.7	83.8	81.9	80.0
87.5°	60.9	60.9	62.8	60.9	60.9	59.0	57.1	55.2	53.3	53.3	49.5
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-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4162.4	4181.5	4185.3	4250.0	4286.2	4284.3	4272.8	4307.1	4286.2	4274.8	4286.2
5°	4383.3	4406.1	4425.2	4495.6	4520.4	4531.8	4529.9	4548.9	4533.7	4520.4	4520.4
7.5°	4491.8	4499.4	4507.1	4489.9	4478.5	4459.5	4430.9	4389.0	4368.1	4345.2	4316.6
10°	4312.8	4288.1	4297.6	4263.3	4234.8	4213.8	4187.2	4152.9	4124.3	4103.4	4071.0
12.5°	4093.9	4092.0	4095.8	4101.5	4072.9	4055.8	4034.8	4010.1	3989.1	3966.3	3939.6
15°	3960.6	3962.5	3977.7	3972.0	3962.5	3953.0	3930.1	3922.5	3903.4	3878.7	3863.5
17.5°	3865.4	3874.9	3890.1	3882.5	3867.3	3857.8	3840.6	3823.5	3806.3	3787.3	3764.4
20°	3781.6	3791.1	3800.6	3791.1	3762.5	3749.2	3726.4	3673.1	3635.0	3596.9	3562.6
22.5°	3690.2	3695.9	3688.3	3657.8	3585.5	3551.2	3524.5	3509.3	3476.9	3456.0	3435.0
25°	3575.9	3543.6	3494.1	3459.8	3431.2	3416.0	3404.6	3402.7	3398.9	3395.0	3385.5
27.5°	3389.3	3377.9	3351.3	3337.9	3339.8	3345.5	3347.4	3353.2	3347.4	3339.8	3332.2
30°	3250.3	3256.0	3258.0	3261.8	3271.3	3277.0	3278.9	3286.5	3282.7	3277.0	3273.2
32.5°	3162.7	3176.1	3183.7	3195.1	3200.8	3210.3	3210.3	3221.8	3210.3	3208.4	3204.6
35°	3090.4	3101.8	3105.6	3122.8	3128.5	3138.0	3138.0	3147.5	3138.0	3040.9	2401.1
37.5°	3018.0	3029.5	3037.1	3052.3	3054.2	3059.9	2823.8	2066.0	1332.9	1032.0	788.3
40°	2932.3	2945.7	2953.3	2959.0	2079.3	1319.6	908.3	738.8	738.8	744.5	750.2
42.5°	2840.9	2850.5	1986.0	1155.8	719.8	717.9	723.6	729.3	735.0	742.6	750.2
45°	2233.5	1127.2	715.9	698.8	704.5	712.1	719.8	727.4	736.9	744.5	748.3
47.5°	733.1	687.4	696.9	689.3	698.8	708.3	715.9	723.6	725.5	727.4	725.5
50°	677.9	677.9	683.6	683.6	691.2	695.0	695.0	695.0	687.4	685.5	679.8
52.5°	655.0	670.3	662.6	666.4	662.6	656.9	651.2	645.5	634.1	630.3	622.6
55°	643.6	649.3	630.3	624.6	616.9	601.7	594.1	586.5	576.9	573.1	563.6
57.5°	616.9	603.6	582.7	573.1	559.8	544.6	537.0	531.3	521.7	517.9	512.2
60°	567.4	540.8	527.4	516.0	500.8	487.5	481.7	477.9	470.3	468.4	462.7
62.5°	506.5	483.6	472.2	457.0	445.6	437.9	432.2	430.3	422.7	422.7	418.9
65°	439.9	428.4	418.9	403.7	398.0	390.3	388.4	386.5	382.7	380.8	377.0
67.5°	386.5	378.9	365.6	358.0	354.2	348.5	344.6	340.8	333.2	329.4	323.7
70°	338.9	333.2	319.9	314.2	306.6	297.0	291.3	287.5	281.8	278.0	272.3
72.5°	293.2	276.1	266.6	260.9	255.2	245.6	243.7	239.9	234.2	232.3	226.6
75°	236.1	222.8	217.1	213.3	207.5	201.8	201.8	201.8	196.1	194.2	192.3
77.5°	188.5	180.9	177.1	173.3	171.4	167.6	161.9	159.9	154.2	154.2	152.3
80°	144.7	140.9	137.1	135.2	133.3	129.5	125.7	123.8	118.1	118.1	116.2
82.5°	106.6	104.7	102.8	100.9	99.0	97.1	91.4	89.5	85.7	85.7	83.8
85°	76.2	74.3	70.5	68.5	68.5	66.6	60.9	59.0	55.2	55.2	55.2
87.5°	47.6	45.7	43.8	41.9	40.0	38.1	34.3	32.4	32.4	28.6	26.7
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-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4263.3	4295.7	4291.9	4314.7	4320.5	4331.9	4335.7	4337.6	4309.0	4331.9	4333.8
5°	4514.7	4520.4	4524.2	4533.7	4543.2	4545.1	4535.6	4524.2	4528.0	4520.4	4501.3
7.5°	4312.8	4284.3	4278.6	4270.9	4267.1	4263.3	4246.2	4261.4	4244.3	4236.7	4210.0
10°	4065.3	4038.6	4036.7	4036.7	4042.5	4040.5	4036.7	4029.1	4044.4	4034.8	4029.1
12.5°	3935.8	3926.3	3932.0	3928.2	3943.4	3947.2	3943.4	3943.4	3939.6	3932.0	3935.8
15°	3857.8	3850.1	3855.8	3850.1	3861.6	3863.5	3853.9	3859.7	3850.1	3840.6	3836.8
17.5°	3754.9	3737.8	3724.5	3705.4	3707.3	3703.5	3692.1	3692.1	3682.6	3657.8	3659.7
20°	3556.9	3539.8	3532.1	3532.1	3541.7	3545.5	3543.6	3547.4	3537.9	3534.1	3518.8
22.5°	3433.1	3431.2	3435.0	3444.6	3459.8	3480.7	3482.6	3482.6	3482.6	3480.7	3461.7
25°	3389.3	3389.3	3393.1	3406.5	3417.9	3433.1	3436.9	3440.7	3436.9	3436.9	3419.8
27.5°	3339.8	3336.0	3343.6	3357.0	3370.3	3381.7	3391.2	3393.1	3387.4	3387.4	3393.1
30°	3278.9	3277.0	3286.5	3299.8	3311.3	3322.7	3332.2	3339.8	3332.2	3332.2	3326.5
32.5°	3216.1	3216.1	3219.9	3139.9	2911.4	2622.0	2627.7	2460.1	2344.0	2197.4	2391.6
35°	2006.9	1460.5	1254.8	1062.5	927.3	839.7	837.8	809.3	795.9	786.4	784.5
37.5°	757.8	761.6	769.3	773.1	778.8	782.6	784.5	784.5	784.5	784.5	782.6
40°	755.9	763.6	769.3	775.0	780.7	784.5	784.5	786.4	788.3	788.3	788.3
42.5°	757.8	765.5	773.1	778.8	782.6	784.5	786.4	788.3	788.3	788.3	788.3
45°	755.9	759.7	759.7	761.6	761.6	761.6	763.6	763.6	761.6	759.7	763.6
47.5°	727.4	727.4	721.7	719.8	717.9	714.0	715.9	714.0	712.1	710.2	714.0
50°	677.9	670.3	666.4	662.6	660.7	656.9	658.8	656.9	655.0	651.2	656.9
52.5°	618.8	616.9	609.3	605.5	603.6	605.5	601.7	599.8	597.9	596.0	597.9
55°	561.7	554.1	552.2	548.4	546.5	548.4	546.5	544.6	542.7	540.8	542.7
57.5°	510.3	504.6	502.7	498.9	498.9	498.9	498.9	497.0	495.1	493.2	495.1
60°	460.8	457.0	455.1	455.1	453.2	453.2	453.2	451.3	449.4	449.4	451.3
62.5°	418.9	418.9	413.2	411.3	411.3	413.2	411.3	409.4	407.5	405.6	409.4
65°	375.1	367.5	365.6	361.8	358.0	359.9	358.0	356.1	354.2	352.3	356.1
67.5°	321.8	319.9	312.3	308.5	306.6	308.5	306.6	304.7	302.8	300.9	304.7
70°	270.4	270.4	262.8	260.9	259.0	259.0	257.1	257.1	255.2	253.2	257.1
72.5°	224.7	224.7	222.8	219.0	217.1	215.2	213.3	211.4	211.4	213.3	213.3
75°	186.6	182.8	175.2	177.1	175.2	173.3	173.3	171.4	169.5	173.3	171.4
77.5°	146.6	144.7	139.0	140.9	139.0	137.1	137.1	135.2	133.3	135.2	135.2
80°	110.4	110.4	108.5	106.6	106.6	104.7	102.8	102.8	100.9	102.8	102.8
82.5°	80.0	80.0	78.1	76.2	74.3	74.3	72.4	72.4	72.4	72.4	72.4
85°	51.4	49.5	49.5	45.7	45.7	45.7	43.8	43.8	43.8	43.8	43.8
87.5°	24.8	24.8	22.8	22.8	20.9	19.0	19.0	17.1	17.1	19.0	19.0
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-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4299.5	4324.3	4303.3	4312.8	4314.7	4347.1	4345.2	4352.8	4339.5	4324.3	4303.3
5°	4518.5	4507.1	4491.8	4528.0	4509.0	4531.8	4539.4	4554.7	4554.7	4552.8	4535.6
7.5°	4238.6	4213.8	4232.9	4246.2	4251.9	4236.7	4267.1	4301.4	4330.0	4347.1	4349.0
10°	4019.6	4027.2	4025.3	4031.0	4044.4	4042.5	4061.5	4080.5	4088.1	4099.6	4103.4
12.5°	3916.8	3914.9	3918.7	3932.0	3939.6	3937.7	3956.8	3968.2	3972.0	3973.9	3972.0
15°	3834.9	3821.6	3831.1	3833.0	3838.7	3838.7	3861.6	3878.7	3886.3	3890.1	3886.3
17.5°	3680.7	3648.3	3678.8	3678.8	3699.7	3695.9	3732.1	3760.6	3775.9	3787.3	3787.3
20°	3528.3	3513.1	3524.5	3520.7	3536.0	3534.1	3556.9	3575.9	3589.3	3598.8	3610.2
22.5°	3467.4	3471.2	3454.1	3456.0	3456.0	3454.1	3465.5	3475.0	3478.8	3484.5	3480.7
25°	3427.4	3431.2	3425.5	3416.0	3412.2	3416.0	3421.7	3433.1	3435.0	3431.2	3417.9
27.5°	3387.4	3376.0	3385.5	3368.4	3364.6	3372.2	3379.8	3381.7	3383.6	3383.6	3372.2
30°	3326.5	3317.0	3326.5	3318.9	3311.3	3318.9	3324.6	3324.6	3328.4	3330.3	3317.0
32.5°	2324.9	2344.0	2652.4	2839.0	3101.8	3235.1	3259.9	3259.9	3263.7	3263.7	3252.2
35°	792.1	794.0	858.8	931.1	1085.3	1275.8	1525.2	1654.7	2092.6	2616.3	3122.8
37.5°	782.6	780.7	778.8	776.9	775.0	773.1	769.3	767.4	778.8	923.5	1252.9
40°	786.4	784.5	780.7	778.8	776.9	773.1	771.2	767.4	763.6	759.7	755.9
42.5°	786.4	784.5	782.6	780.7	778.8	776.9	773.1	769.3	765.5	759.7	754.0
45°	759.7	759.7	761.6	761.6	763.6	763.6	763.6	761.6	761.6	759.7	752.1
47.5°	710.2	710.2	715.9	715.9	719.8	723.6	723.6	727.4	733.1	736.9	738.8
50°	653.1	653.1	658.8	660.7	664.5	670.3	676.0	677.9	683.6	691.2	698.8
52.5°	596.0	596.0	601.7	601.7	605.5	611.2	616.9	618.8	626.5	634.1	643.6
55°	542.7	542.7	546.5	548.4	550.3	554.1	559.8	559.8	567.4	573.1	582.7
57.5°	495.1	498.9	498.9	498.9	500.8	504.6	508.4	508.4	514.1	519.8	527.4
60°	449.4	453.2	453.2	453.2	455.1	457.0	460.8	460.8	464.6	468.4	476.0
62.5°	407.5	411.3	411.3	413.2	413.2	415.1	418.9	417.0	420.8	422.7	428.4
65°	354.2	358.0	359.9	361.8	363.7	367.5	373.2	371.3	377.0	380.8	386.5
67.5°	302.8	306.6	306.6	308.5	310.4	314.2	318.0	318.0	323.7	327.5	335.1
70°	255.2	259.0	259.0	260.9	262.8	266.6	270.4	268.5	274.2	278.0	283.7
72.5°	211.4	215.2	215.2	217.1	217.1	220.9	224.7	228.5	228.5	232.3	236.1
75°	171.4	173.3	175.2	175.2	177.1	179.0	182.8	186.6	188.5	190.4	194.2
77.5°	135.2	137.1	139.0	139.0	140.9	142.8	144.7	152.3	156.1	158.0	158.0
80°	102.8	104.7	104.7	104.7	106.6	108.5	112.3	112.3	120.0	120.0	121.9
82.5°	72.4	74.3	74.3	74.3	76.2	80.0	81.9	83.8	87.6	89.5	89.5
85°	43.8	45.7	45.7	45.7	47.6	49.5	53.3	55.2	57.1	57.1	59.0
87.5°	17.1	19.0	20.9	20.9	22.8	24.8	26.7	28.6	30.5	30.5	32.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4280.5	4293.8	4280.5	4288.1	4297.6	4280.5	4240.5	4225.2	4219.5	4196.7	4181.5
5°	4518.5	4518.5	4512.8	4528.0	4526.1	4499.4	4457.5	4438.5	4419.5	4394.7	4375.7
7.5°	4349.0	4364.2	4373.8	4432.8	4470.9	4474.7	4501.3	4507.1	4514.7	4507.1	4495.6
10°	4105.3	4099.6	4126.2	4181.5	4213.8	4231.0	4282.4	4307.1	4328.1	4370.0	4413.8
12.5°	3968.2	3975.8	3987.2	4027.2	4057.7	4050.1	4071.0	4088.1	4112.9	4154.8	4217.6
15°	3876.8	3884.4	3895.8	3926.3	3945.3	3935.8	3947.2	3958.7	3975.8	3996.8	4034.8
17.5°	3777.8	3791.1	3804.4	3836.8	3853.9	3852.0	3861.6	3865.4	3871.1	3884.4	3911.1
20°	3623.5	3665.4	3692.1	3735.9	3760.6	3756.8	3774.0	3779.7	3787.3	3800.6	3812.1
22.5°	3482.6	3494.1	3507.4	3555.0	3596.9	3648.3	3659.7	3675.0	3694.0	3707.3	3718.8
25°	3402.7	3395.0	3400.8	3433.1	3456.0	3459.8	3476.9	3526.4	3577.8	3600.7	3627.4
27.5°	3355.1	3347.4	3345.5	3360.8	3364.6	3355.1	3351.3	3366.5	3404.6	3442.7	3522.6
30°	3303.7	3294.1	3286.5	3299.8	3305.6	3292.2	3267.5	3254.1	3277.0	3286.5	3318.9
32.5°	3242.7	3233.2	3229.4	3237.0	3240.8	3229.4	3202.7	3187.5	3183.7	3176.1	3183.7
35°	3174.2	3164.7	3158.9	3160.8	3168.5	3158.9	3136.1	3117.0	3107.5	3086.6	3071.3
37.5°	1635.6	2317.3	3008.5	3080.9	3088.5	3086.6	3063.7	3042.8	3033.3	3008.5	3000.9
40°	748.3	835.9	1254.8	1639.4	2364.9	3004.7	2983.8	2962.8	2945.7	2938.1	2909.5
42.5°	746.4	748.3	750.2	740.7	917.8	1563.3	2307.8	2880.9	2869.5	2850.5	2829.5
45°	746.4	736.9	744.5	733.1	736.9	735.0	915.9	1477.6	2629.6	2747.6	2738.1
47.5°	738.8	733.1	740.7	731.2	719.8	725.5	717.9	727.4	1134.9	1925.1	2637.2
50°	704.5	708.3	721.7	719.8	710.2	717.9	704.5	715.9	706.4	775.0	1492.8
52.5°	653.1	660.7	674.1	685.5	689.3	698.8	695.0	698.8	691.2	693.1	695.0
55°	592.2	601.7	613.1	630.3	637.9	653.1	664.5	670.3	679.8	677.9	662.6
57.5°	535.1	544.6	554.1	571.2	588.4	596.0	616.9	628.4	653.1	647.4	643.6
60°	481.7	489.4	498.9	502.7	523.6	537.0	556.0	567.4	599.8	607.4	618.8
62.5°	434.1	437.9	445.6	451.3	464.6	477.9	487.5	506.5	523.6	548.4	565.5
65°	390.3	394.2	399.9	403.7	405.6	424.6	430.3	451.3	457.0	483.6	498.9
67.5°	340.8	348.5	356.1	359.9	363.7	375.1	378.9	388.4	401.8	413.2	432.2
70°	289.4	295.1	302.8	308.5	316.1	323.7	335.1	340.8	350.4	358.0	373.2
72.5°	241.8	247.5	251.3	257.1	262.8	268.5	278.0	291.3	298.9	312.3	316.1
75°	196.1	201.8	205.6	209.5	215.2	219.0	222.8	236.1	243.7	255.2	266.6
77.5°	161.9	161.9	165.7	177.1	175.2	175.2	179.0	186.6	192.3	199.9	211.4
80°	125.7	127.6	129.5	139.0	140.9	142.8	140.9	146.6	152.3	154.2	161.9
82.5°	93.3	95.2	95.2	100.9	106.6	106.6	106.6	108.5	114.2	116.2	120.0
85°	62.8	64.7	66.6	68.5	72.4	74.3	76.2	76.2	80.0	81.9	83.8
87.5°	34.3	38.1	40.0	41.9	43.8	45.7	47.6	49.5	51.4	53.3	55.2
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-LD5-93SL-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°	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8	4154.8
2.5°	4175.7	4166.2	4160.5	4145.3	4141.5	4116.7	4120.5	4116.7	4116.7	4122.4	4141.5
5°	4354.7	4309.0	4297.6	4265.2	4238.6	4192.9	4164.3	4149.1	4126.2	4116.7	4130.0
7.5°	4476.6	4442.3	4413.8	4385.2	4347.1	4293.8	4253.8	4208.1	4170.0	4133.8	4124.3
10°	4455.6	4493.7	4493.7	4476.6	4440.4	4387.1	4339.5	4282.4	4215.7	4158.6	4124.3
12.5°	4278.6	4345.2	4398.5	4438.5	4474.7	4438.5	4390.9	4345.2	4270.9	4187.2	4124.3
15°	4084.3	4152.9	4219.5	4303.3	4390.9	4427.1	4425.2	4371.9	4305.2	4217.6	4130.0
17.5°	3947.2	3994.8	4031.0	4122.4	4229.1	4322.4	4385.2	4389.0	4324.3	4246.2	4131.9
20°	3844.4	3878.7	3909.2	3960.6	4053.9	4168.1	4284.3	4349.0	4337.6	4251.9	4137.7
22.5°	3751.1	3775.9	3800.6	3838.7	3913.0	3987.2	4122.4	4255.7	4312.8	4242.4	4131.9
25°	3657.8	3684.5	3703.5	3730.2	3789.2	3850.1	3945.3	4111.0	4238.6	4234.8	4120.5
27.5°	3547.4	3583.6	3606.4	3642.6	3682.6	3728.3	3793.0	3949.1	4131.9	4196.7	4090.1
30°	3414.1	3467.4	3501.7	3541.7	3575.9	3615.9	3667.3	3762.5	3989.1	4122.4	4057.7
32.5°	3221.8	3317.0	3393.1	3431.2	3469.3	3503.6	3549.3	3629.3	3814.0	4021.5	4021.5
35°	3084.7	3128.5	3197.0	3307.5	3355.1	3389.3	3431.2	3494.1	3612.1	3901.5	3962.5
37.5°	2978.0	2995.2	3029.5	3138.0	3227.5	3282.7	3324.6	3364.6	3480.7	3737.8	3886.3
40°	2898.1	2892.4	2888.6	2940.0	3067.5	3155.1	3202.7	3242.7	3332.2	3541.7	3785.4
42.5°	2804.8	2799.1	2780.0	2793.3	2856.2	3002.8	3075.2	3119.0	3193.2	3336.0	3675.0
45°	2707.7	2698.1	2690.5	2677.2	2700.0	2781.9	2930.4	2995.2	3037.1	3164.7	3536.0
47.5°	2608.6	2595.3	2585.8	2574.4	2561.0	2599.1	2740.0	2856.2	2928.5	3008.5	3368.4
50°	2467.7	2484.9	2473.5	2460.1	2448.7	2441.1	2500.1	2690.5	2780.0	2844.8	3164.7
52.5°	1163.4	2262.1	2357.3	2344.0	2328.7	2315.4	2328.7	2473.5	2635.3	2686.7	2919.0
55°	662.6	1007.3	2096.4	2216.4	2203.1	2184.0	2172.6	2222.1	2463.9	2532.5	2694.3
57.5°	637.9	639.8	925.4	1997.4	2071.7	2054.5	2041.2	2052.6	2258.3	2374.4	2498.2
60°	616.9	616.9	616.9	883.5	1909.8	1915.5	1898.4	1879.4	1968.9	2197.4	2300.2
62.5°	571.2	582.7	588.4	588.4	872.1	1768.9	1751.8	1746.1	1749.9	1984.1	2102.2
65°	512.2	538.9	550.3	557.9	557.9	915.9	1601.4	1591.8	1578.5	1668.0	1902.2
67.5°	447.5	474.1	498.9	514.1	516.0	533.2	955.9	1433.8	1414.8	1416.7	1689.0
70°	380.8	403.7	430.3	453.2	474.1	483.6	498.9	1190.1	1252.9	1226.3	1447.1
72.5°	329.4	338.9	358.0	380.8	405.6	428.4	441.8	474.1	1087.3	1058.7	1100.6
75°	274.2	281.8	295.1	310.4	329.4	356.1	378.9	401.8	576.9	887.3	881.6
77.5°	213.3	226.6	241.8	251.3	260.9	279.9	310.4	333.2	356.1	599.8	706.4
80°	163.8	173.3	180.9	190.4	201.8	215.2	226.6	253.2	279.9	300.9	540.8
82.5°	121.9	127.6	133.3	137.1	140.9	148.5	169.5	179.0	196.1	215.2	255.2
85°	85.7	89.5	93.3	95.2	97.1	99.0	106.6	108.5	125.7	129.5	154.2
87.5°	55.2	57.1	60.9	62.8	62.8	64.7	66.6	66.6	66.6	62.8	76.2
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-LD5-93SL-RW-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	4154.8	4154.8
2.5°	4156.7	4187.2
5°	4151.0	4191.0
7.5°	4135.8	4173.8
10°	4112.9	4158.6
12.5°	4088.1	4131.9
15°	4067.2	4099.6
17.5°	4044.4	4063.4
20°	4013.9	4029.1
22.5°	3983.4	3975.8
25°	3949.1	3932.0
27.5°	3905.4	3873.0
30°	3865.4	3808.2
32.5°	3827.3	3734.0
35°	3775.9	3657.8
37.5°	3722.6	3579.7
40°	3659.7	3490.3
42.5°	3593.1	3400.8
45°	3509.3	3315.1
47.5°	3435.0	3212.3
50°	3332.2	3101.8
52.5°	3206.5	2999.0
55°	3058.0	2873.3
57.5°	2898.1	2741.9
60°	2726.7	2591.5
62.5°	2519.2	2435.4
65°	2275.4	2256.4
67.5°	1957.4	2058.4
70°	1605.2	1831.8
72.5°	1342.4	1591.8
75°	1100.6	1323.4
77.5°	872.1	1037.7
80°	544.6	759.7
82.5°	365.6	498.9
85°	220.9	238.0
87.5°	85.7	87.6
90°	0.0	0.0

(END OF REPORT)