

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-LD5-86SL-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-LD5-86SL-RW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

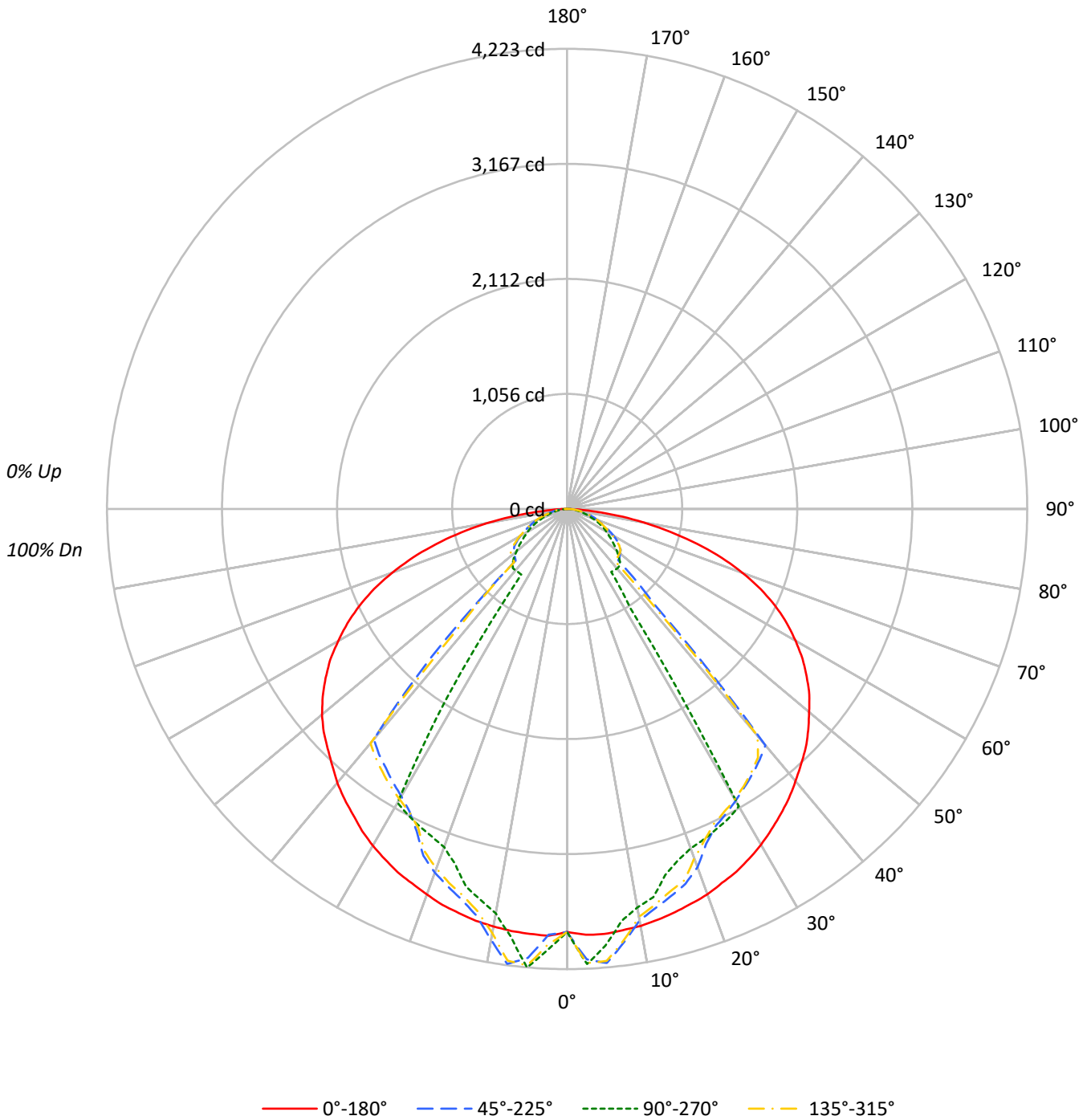
Lumens per Lamp: N/A
Luminaire Lumens: 7773.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 69
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	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°	15684	15684	15684	15684
5°	15859	15802	15852	16584
10°	15897	14287	15918	14506
15°	15954	13218	15991	13637
20°	16094	12538	16094	12490
25°	16259	12297	16282	12183
30°	16451	12081	16492	11937
35°	16674	2752	16708	2870
40°	16977	2862	17079	2954
45°	17425	2845	17485	2949
50°	17883	2573	18124	2642
55°	18497	2284	18645	2317
60°	19049	2030	19092	2056
65°	19500	1771	19451	1743
70°	19385	1428	19325	1376
75°	18238	1099	18370	1053
80°	15171	781	15781	715
85°	8748	468	9236	358



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.9	4.9
10°-20°	1050.1	13.5
20°-30°	1555.3	20.0
30°-40°	1567.1	20.2
40°-50°	1224.2	15.7
50°-60°	945.6	12.2
60°-70°	634.9	8.2
70°-80°	323.9	4.2
80°-90°	90.1	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°	2987.3	38.4
0°-40°	4554.4	58.6
0°-60°	6724.2	86.5
0°-90°	7773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7773.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3882	3882	3882	3882	3882	
5°	3915	4024	3914	4223	3915	372
15°	3830	3478	3839	3588	3830	1083
25°	3674	3241	3679	3211	3674	1695
35°	3417	704	3424	735	3417	2142
45°	3097	685	3108	710	3097	2388
55°	2684	498	2706	505	2684	2397
65°	2108	334	2103	329	2108	2073
75°	1236	169	1245	162	1236	1293
85°	222	53	235	41	222	306
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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	3911.9	3926.1	3936.8	3943.9	3947.5	3947.5	3949.2	3951.0	3974.1	3984.8	3991.9
5°	3915.4	3929.7	3951.0	3979.5	4004.4	4025.7	4043.5	4068.4	4093.3	4120.0	4128.9
7.5°	3899.4	3917.2	3959.9	4011.5	4059.5	4093.3	4116.5	4132.5	4144.9	4146.7	4155.6
10°	3885.2	3917.2	3975.9	4043.5	4104.0	4144.9	4144.9	4136.0	4148.5	4100.4	4052.4
12.5°	3860.3	3895.9	3975.9	4064.9	4121.8	4137.8	4130.7	4095.1	4022.2	3963.5	3936.8
15°	3830.0	3878.1	3977.7	4077.3	4125.4	4130.7	4063.1	3972.4	3917.2	3881.6	3837.2
17.5°	3796.2	3860.3	3979.5	4079.1	4096.9	4072.0	3943.9	3887.0	3830.0	3746.4	3686.0
20°	3764.2	3826.5	3965.2	4054.2	4064.9	3952.8	3853.2	3792.7	3696.6	3623.7	3597.0
22.5°	3714.4	3787.4	3952.8	4020.4	3979.5	3849.6	3753.6	3657.5	3570.3	3549.0	3517.0
25°	3673.5	3750.0	3924.3	3979.5	3871.0	3755.3	3643.3	3531.2	3490.3	3460.0	3431.6
27.5°	3618.4	3712.6	3887.0	3904.8	3755.3	3653.9	3490.3	3440.5	3403.1	3369.3	3356.9
30°	3557.9	3673.5	3835.4	3801.6	3659.3	3509.8	3388.9	3342.6	3315.9	3280.4	3266.1
32.5°	3488.5	3614.8	3778.5	3682.4	3556.1	3369.3	3291.0	3255.5	3219.9	3193.2	3104.2
35°	3417.3	3563.2	3710.9	3568.5	3431.6	3262.6	3193.2	3161.2	3127.4	3029.5	2937.0
37.5°	3344.4	3506.3	3629.0	3445.8	3266.1	3152.3	3093.6	3058.0	2981.5	2857.0	2810.7
40°	3260.8	3436.9	3524.1	3319.5	3122.0	3040.2	2985.1	2949.5	2776.9	2721.8	2707.5
42.5°	3177.2	3369.3	3396.0	3196.7	3002.8	2921.0	2874.8	2757.3	2639.9	2611.5	2616.8
45°	3097.1	3296.4	3255.5	3022.4	2878.3	2810.7	2732.4	2570.6	2508.3	2522.5	2526.1
47.5°	3001.1	3209.2	3107.8	2848.1	2750.2	2682.6	2508.3	2410.5	2401.6	2421.1	2431.8
50°	2897.9	3111.4	2951.3	2689.7	2611.5	2531.4	2334.0	2284.2	2294.8	2314.4	2326.8
52.5°	2801.8	3001.1	2789.4	2542.1	2474.5	2291.3	2157.8	2166.7	2184.5	2207.7	2214.8
55°	2684.4	2867.6	2616.8	2392.7	2328.6	2088.5	2028.0	2049.3	2067.1	2086.7	2100.9
57.5°	2561.7	2714.7	2412.2	2225.4	2122.3	1908.8	1914.1	1928.4	1940.8	1963.9	811.2
60°	2421.1	2540.3	2188.1	2070.7	1866.1	1766.5	1771.8	1796.7	1809.2	1010.4	558.6
62.5°	2275.3	2337.5	1985.3	1894.6	1631.3	1624.2	1649.1	1659.7	1129.6	533.7	523.0
65°	2108.0	2095.6	1786.1	1642.0	1471.2	1478.3	1505.0	1451.6	499.9	499.9	496.3
67.5°	1923.0	1848.3	1592.1	1359.1	1316.4	1332.4	1360.9	475.0	462.5	466.1	453.6
70°	1711.3	1606.4	1391.1	1151.0	1165.2	1181.2	459.0	430.5	425.2	416.3	391.4
72.5°	1487.2	1343.1	1138.5	999.8	1008.7	633.3	402.0	387.8	370.0	352.2	325.5
75°	1236.4	1049.6	836.1	836.1	848.6	361.1	350.5	327.3	307.8	284.6	268.6
77.5°	969.5	807.6	649.3	674.2	329.1	302.4	282.9	257.9	241.9	227.7	218.8
80°	709.8	563.9	489.2	437.6	256.2	229.5	209.9	195.7	188.6	179.7	169.0
82.5°	466.1	339.8	339.8	206.4	179.7	158.3	153.0	142.3	135.2	129.9	124.5
85°	222.4	197.5	149.4	126.3	112.1	101.4	97.8	92.5	92.5	90.7	88.9
87.5°	81.8	88.9	65.8	64.0	60.5	58.7	60.5	60.5	62.3	60.5	58.7
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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	4009.7	4024.0	4034.6	4052.4	4075.5	4095.1	4112.9	4137.8	4176.9	4187.6	4196.5
5°	4128.9	4134.2	4146.7	4160.9	4164.5	4173.4	4171.6	4182.3	4187.6	4200.1	4173.4
7.5°	4136.0	4107.6	4073.8	4043.5	4022.2	4002.6	3990.2	4009.7	4020.4	4029.3	4002.6
10°	3986.6	3952.8	3933.2	3915.4	3894.1	3863.8	3822.9	3831.8	3828.3	3828.3	3819.4
12.5°	3892.3	3844.3	3794.5	3750.0	3730.4	3728.6	3730.4	3750.0	3750.0	3748.2	3737.5
15°	3744.7	3698.4	3673.5	3662.8	3662.8	3657.5	3657.5	3678.8	3673.5	3673.5	3668.2
17.5°	3646.8	3614.8	3597.0	3584.6	3579.2	3588.1	3598.8	3607.7	3609.5	3602.3	3573.9
20°	3566.8	3536.5	3515.2	3518.7	3517.0	3522.3	3527.6	3497.4	3460.0	3410.2	3387.1
22.5°	3483.2	3460.0	3444.0	3444.0	3422.7	3388.9	3339.1	3328.4	3323.1	3299.9	3280.4
25°	3403.1	3376.4	3353.3	3282.1	3237.7	3243.0	3234.1	3216.3	3214.5	3212.8	3219.9
27.5°	3323.1	3253.7	3164.7	3154.1	3136.3	3134.5	3145.2	3154.1	3154.1	3161.2	3170.1
30°	3157.6	3077.6	3061.5	3042.0	3049.1	3074.0	3079.3	3091.8	3095.3	3107.8	3114.9
32.5°	3006.4	2970.8	2956.6	2965.5	2988.6	3010.0	3022.4	3027.7	3036.6	3047.3	3056.2
35°	2883.7	2873.0	2885.4	2905.0	2928.1	2945.9	2956.6	2967.3	2976.2	2985.1	2992.2
37.5°	2792.9	2800.0	2817.8	2842.7	2865.9	2880.1	2889.0	2901.4	2913.9	2924.6	2881.9
40°	2707.5	2725.3	2744.9	2771.6	2791.1	2805.4	2814.3	2830.3	2723.5	1232.8	676.0
42.5°	2632.8	2652.4	2666.6	2688.0	2709.3	2720.0	2641.7	1179.4	667.1	663.5	672.4
45°	2542.1	2558.1	2581.2	2597.2	2616.8	1718.5	656.4	663.5	652.9	660.0	663.5
47.5°	2449.6	2474.5	2487.0	2373.1	706.2	652.9	645.8	652.9	645.8	654.6	649.3
50°	2344.6	2374.9	1690.0	638.6	633.3	629.7	636.9	633.3	638.6	645.8	631.5
52.5°	2237.9	1385.8	619.1	615.5	619.1	615.5	628.0	619.1	620.8	613.7	595.9
55°	757.8	599.5	594.2	592.4	603.1	603.1	603.1	588.8	579.9	562.1	549.7
57.5°	579.9	579.9	578.2	579.9	576.4	572.8	556.8	544.4	531.9	507.0	499.9
60°	549.7	549.7	549.7	549.7	533.7	526.6	501.7	491.0	469.6	457.2	450.1
62.5°	524.8	521.2	505.2	499.9	482.1	462.5	448.3	437.6	416.3	409.2	403.8
65°	489.2	476.8	457.2	435.8	426.9	405.6	398.5	382.5	371.8	366.5	362.9
67.5°	430.5	412.7	396.7	382.5	366.5	359.3	350.5	338.0	330.9	327.3	323.8
70°	368.2	355.8	339.8	330.9	320.2	314.9	302.4	298.9	293.5	288.2	282.9
72.5°	307.8	300.6	293.5	281.1	277.5	274.0	261.5	254.4	247.3	240.2	236.6
75°	257.9	252.6	249.1	238.4	233.0	222.4	213.5	208.1	202.8	197.5	193.9
77.5°	211.7	208.1	197.5	190.3	186.8	177.9	174.3	176.1	172.6	165.4	161.9
80°	165.4	161.9	153.0	153.0	149.4	145.9	142.3	138.8	135.2	129.9	126.3
82.5°	126.3	122.7	119.2	115.6	112.1	110.3	108.5	105.0	101.4	97.8	96.1
85°	88.9	87.2	85.4	83.6	81.8	80.1	78.3	74.7	71.2	69.4	67.6
87.5°	60.5	58.7	56.9	55.1	53.4	51.6	49.8	48.0	44.5	42.7	40.9
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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	4196.5	4205.4	4196.5	4176.9	4164.5	4159.2	4169.8	4169.8	4176.9	4185.8	4187.6
5°	4130.7	4109.3	4084.4	4059.5	4047.1	4040.0	4020.4	4024.0	4029.3	4032.8	4036.4
7.5°	3967.0	3938.6	3904.8	3872.7	3860.3	3849.6	3826.5	3826.5	3826.5	3828.3	3838.9
10°	3799.8	3787.4	3773.1	3751.8	3735.8	3730.4	3710.9	3716.2	3712.6	3718.0	3730.4
12.5°	3721.5	3707.3	3694.8	3673.5	3655.7	3648.6	3639.7	3645.0	3643.3	3652.2	3662.8
15°	3650.4	3643.3	3629.0	3613.0	3597.0	3582.8	3550.8	3540.1	3533.0	3524.1	3536.5
17.5°	3533.0	3483.2	3449.4	3424.4	3406.7	3394.2	3385.3	3385.3	3390.7	3396.0	3406.7
20°	3372.9	3358.6	3342.6	3315.9	3298.1	3291.0	3285.7	3285.7	3294.6	3301.7	3321.3
22.5°	3262.6	3260.8	3255.5	3243.0	3234.1	3234.1	3235.9	3239.4	3251.9	3262.6	3282.1
25°	3211.0	3218.1	3214.5	3207.4	3202.1	3203.9	3200.3	3203.9	3216.3	3227.0	3243.0
27.5°	3170.1	3180.7	3177.2	3166.5	3157.6	3161.2	3166.5	3162.9	3173.6	3186.1	3198.5
30°	3114.9	3116.7	3123.8	3111.4	3107.8	3113.1	3114.9	3118.5	3129.1	3138.0	3148.7
32.5°	3052.7	3066.9	3065.1	3052.7	3052.7	3058.0	3059.8	2940.6	2718.2	2341.1	2237.9
35°	2992.2	3008.2	2981.5	2513.6	1739.8	928.6	716.9	692.0	697.3	700.9	704.5
37.5°	2213.0	1049.6	668.9	674.2	679.6	684.9	690.2	695.6	700.9	706.2	708.0
40°	665.3	663.5	668.9	676.0	681.3	684.9	692.0	697.3	702.7	708.0	709.8
42.5°	658.2	661.8	667.1	674.2	681.3	688.4	693.8	700.9	704.5	708.0	709.8
45°	654.6	661.8	668.9	674.2	679.6	683.1	686.7	688.4	686.7	686.7	690.2
47.5°	649.3	656.4	658.2	656.4	658.2	656.4	656.4	656.4	651.1	649.3	649.3
50°	629.7	629.7	626.2	619.1	617.3	615.5	612.0	610.2	603.1	601.3	601.3
52.5°	588.8	587.0	581.7	572.8	569.3	565.7	563.9	562.1	555.0	551.5	553.2
55°	540.8	537.2	531.9	521.2	519.4	515.9	514.1	512.3	505.2	508.8	503.4
57.5°	496.3	489.2	482.1	480.3	473.2	471.4	469.6	467.9	462.5	464.3	460.7
60°	443.0	441.2	437.6	430.5	430.5	428.7	428.7	425.2	421.6	419.8	419.8
62.5°	403.8	398.5	394.9	394.9	389.6	389.6	389.6	386.0	382.5	384.2	382.5
65°	361.1	359.3	357.6	354.0	354.0	352.2	352.2	348.7	343.3	345.1	341.6
67.5°	325.5	322.0	318.4	316.7	309.5	306.0	304.2	302.4	295.3	297.1	293.5
70°	281.1	275.7	272.2	268.6	263.3	259.7	259.7	256.2	250.8	252.6	249.1
72.5°	234.8	231.3	227.7	225.9	220.6	218.8	217.0	215.3	209.9	211.7	209.9
75°	195.7	195.7	193.9	192.1	186.8	181.5	177.9	176.1	172.6	174.3	170.8
77.5°	161.9	158.3	154.8	154.8	149.4	145.9	142.3	142.3	142.3	140.5	138.8
80°	126.3	122.7	122.7	121.0	117.4	113.9	112.1	112.1	110.3	110.3	108.5
82.5°	96.1	92.5	90.7	90.7	87.2	85.4	83.6	81.8	81.8	81.8	80.1
85°	67.6	64.0	62.3	62.3	58.7	56.9	56.9	55.1	55.1	53.4	53.4
87.5°	40.9	39.1	37.4	37.4	33.8	32.0	32.0	32.0	30.2	30.2	28.5
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-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	4187.6	4187.6	4175.2	4178.7	4173.4	4180.5	4171.6	4171.6	4182.3	4182.3	4189.4
5°	4038.2	4029.3	4027.5	4024.0	4006.2	4013.3	4004.4	3995.5	4007.9	4007.9	4024.0
7.5°	3833.6	3817.6	3824.7	3814.0	3803.4	3787.4	3792.7	3785.6	3794.5	3806.9	3822.9
10°	3728.6	3714.4	3723.3	3712.6	3718.0	3694.8	3696.6	3698.4	3707.3	3710.9	3725.1
12.5°	3661.0	3657.5	3653.9	3650.4	3653.9	3641.5	3634.4	3636.1	3639.7	3641.5	3652.2
15°	3518.7	3495.6	3502.7	3477.8	3479.6	3481.4	3467.1	3481.4	3479.6	3502.7	3524.1
17.5°	3403.1	3403.1	3390.7	3380.0	3372.9	3371.1	3360.4	3367.5	3360.4	3374.6	3380.0
20°	3323.1	3321.3	3319.5	3314.2	3296.4	3298.1	3303.5	3287.5	3285.7	3283.9	3294.6
22.5°	3285.7	3287.5	3280.4	3280.4	3264.3	3267.9	3269.7	3251.9	3253.7	3248.3	3253.7
25°	3246.6	3250.1	3241.2	3241.2	3237.7	3235.9	3227.0	3230.5	3219.9	3211.0	3219.9
27.5°	3200.3	3207.4	3200.3	3203.9	3196.7	3193.2	3187.9	3184.3	3173.6	3171.8	3177.2
30°	3157.6	3161.2	3159.4	3150.5	3148.7	3138.0	3143.4	3132.7	3122.0	3123.8	3127.4
32.5°	1618.8	1545.9	1191.9	1076.3	1065.6	1104.7	1309.3	1593.9	2065.3	2522.5	2851.6
35°	706.2	706.2	706.2	704.5	704.5	702.7	700.9	699.1	697.3	695.6	693.8
37.5°	709.8	709.8	709.8	709.8	708.0	706.2	706.2	702.7	700.9	699.1	697.3
40°	711.6	713.4	713.4	713.4	711.6	711.6	709.8	706.2	704.5	700.9	697.3
42.5°	709.8	711.6	711.6	709.8	709.8	708.0	708.0	706.2	704.5	702.7	700.9
45°	686.7	688.4	684.9	684.9	683.1	683.1	683.1	683.1	683.1	684.9	684.9
47.5°	645.8	645.8	644.0	642.2	642.2	640.4	642.2	640.4	644.0	645.8	649.3
50°	597.7	597.7	594.2	592.4	592.4	592.4	592.4	594.2	595.9	599.5	603.1
52.5°	547.9	547.9	546.1	544.4	542.6	542.6	547.9	546.1	547.9	549.7	555.0
55°	499.9	501.7	498.1	498.1	496.3	496.3	496.3	498.1	499.9	501.7	507.0
57.5°	459.0	459.0	455.4	455.4	455.4	453.6	459.0	455.4	457.2	459.0	462.5
60°	418.0	416.3	416.3	414.5	414.5	414.5	418.0	416.3	416.3	418.0	421.6
62.5°	380.7	380.7	378.9	378.9	377.1	377.1	380.7	378.9	378.9	380.7	382.5
65°	338.0	338.0	336.2	334.4	339.8	334.4	339.8	336.2	339.8	341.6	345.1
67.5°	290.0	290.0	290.0	288.2	288.2	291.7	293.5	290.0	291.7	295.3	297.1
70°	247.3	247.3	245.5	245.5	245.5	249.1	250.8	247.3	249.1	250.8	254.4
72.5°	209.9	206.4	206.4	204.6	208.1	208.1	209.9	208.1	209.9	209.9	213.5
75°	172.6	169.0	169.0	169.0	172.6	170.8	172.6	170.8	172.6	172.6	174.3
77.5°	138.8	137.0	135.2	135.2	138.8	138.8	138.8	137.0	138.8	140.5	142.3
80°	108.5	106.7	105.0	105.0	108.5	108.5	108.5	110.3	108.5	110.3	112.1
82.5°	80.1	78.3	76.5	80.1	80.1	80.1	80.1	81.8	80.1	81.8	83.6
85°	53.4	51.6	49.8	53.4	53.4	53.4	53.4	55.1	53.4	55.1	56.9
87.5°	28.5	26.7	26.7	28.5	28.5	28.5	30.2	30.2	30.2	32.0	32.0
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-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	4200.1	4205.4	4203.6	4192.9	4182.3	4169.8	4160.9	4162.7	4180.5	4185.8	4169.8
5°	4024.0	4057.8	4057.8	4080.9	4068.4	4057.8	4064.9	4104.0	4123.6	4153.8	4164.5
7.5°	3842.5	3858.5	3856.7	3879.9	3876.3	3876.3	3881.6	3933.2	3958.1	3983.0	3990.2
10°	3741.1	3757.1	3755.3	3757.1	3751.8	3739.3	3739.3	3762.4	3783.8	3796.2	3799.8
12.5°	3668.2	3677.1	3675.3	3675.3	3671.7	3661.0	3659.3	3678.8	3702.0	3718.0	3719.8
15°	3559.6	3584.6	3589.9	3613.0	3607.7	3593.4	3597.0	3613.0	3627.2	3641.5	3636.1
17.5°	3397.8	3410.2	3412.0	3420.9	3417.3	3417.3	3438.7	3497.4	3536.5	3570.3	3573.9
20°	3305.3	3314.2	3310.6	3330.2	3321.3	3319.5	3324.8	3349.7	3367.5	3383.5	3412.0
22.5°	3260.8	3267.9	3262.6	3264.3	3248.3	3234.1	3230.5	3250.1	3269.7	3291.0	3291.0
25°	3223.4	3228.8	3227.0	3223.4	3211.0	3191.4	3187.9	3191.4	3198.5	3200.3	3187.9
27.5°	3179.0	3182.5	3182.5	3184.3	3168.3	3150.5	3146.9	3143.4	3150.5	3148.7	3129.1
30°	3132.7	3127.4	3129.1	3130.9	3116.7	3100.7	3093.6	3091.8	3098.9	3097.1	3077.6
32.5°	3022.4	3063.3	3066.9	3070.4	3058.0	3043.8	3036.6	3031.3	3034.9	3033.1	3015.3
35°	692.0	704.5	862.8	1953.3	2652.4	2937.0	2967.3	2960.1	2961.9	2961.9	2947.7
37.5°	693.8	692.0	690.2	684.9	679.6	676.0	1168.8	2492.3	2887.2	2889.0	2876.5
40°	693.8	692.0	690.2	686.7	679.6	674.2	665.3	658.2	674.2	1483.6	2714.7
42.5°	697.3	693.8	690.2	686.7	679.6	672.4	665.3	656.4	661.8	658.2	649.3
45°	686.7	684.9	684.9	683.1	679.6	672.4	663.5	652.9	647.5	652.9	644.0
47.5°	652.9	654.6	660.0	661.8	661.8	663.5	658.2	651.1	642.2	647.5	636.9
50°	606.6	610.2	612.0	620.8	624.4	631.5	633.3	633.3	631.5	638.6	631.5
52.5°	556.8	560.4	569.3	572.8	576.4	587.0	590.6	595.9	599.5	610.2	617.3
55°	508.8	510.6	514.1	521.2	526.6	535.5	540.8	546.1	555.0	560.4	581.7
57.5°	464.3	466.1	473.2	475.0	478.5	485.6	491.0	498.1	505.2	508.8	533.7
60°	421.6	423.4	428.7	430.5	432.3	439.4	444.7	450.1	455.4	459.0	476.8
62.5°	384.2	384.2	389.6	389.6	391.4	396.7	400.3	403.8	409.2	410.9	419.8
65°	346.9	348.7	352.2	352.2	354.0	357.6	359.3	361.1	366.5	366.5	373.6
67.5°	300.6	302.4	307.8	311.3	313.1	320.2	322.0	323.8	327.3	329.1	332.7
70°	256.2	257.9	263.3	265.1	266.8	272.2	275.7	281.1	286.4	291.7	295.3
72.5°	215.3	217.0	222.4	222.4	227.7	229.5	233.0	234.8	240.2	243.7	249.1
75°	176.1	177.9	183.2	183.2	188.6	190.3	192.1	193.9	197.5	201.0	204.6
77.5°	144.1	144.1	151.2	154.8	158.3	158.3	160.1	160.1	160.1	161.9	165.4
80°	113.9	113.9	119.2	122.7	126.3	126.3	128.1	129.9	131.6	131.6	133.4
82.5°	85.4	85.4	90.7	92.5	96.1	96.1	96.1	97.8	99.6	97.8	101.4
85°	58.7	58.7	62.3	64.0	67.6	67.6	67.6	69.4	71.2	69.4	71.2
87.5°	33.8	35.6	37.4	39.1	40.9	42.7	42.7	42.7	44.5	44.5	46.3
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-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	4152.0	4130.7	4128.9	4104.0	4096.9	4098.7	4079.1	4072.0	4040.0	4032.8	3999.0
5°	4168.0	4178.7	4173.4	4171.6	4176.9	4173.4	4159.2	4152.0	4146.7	4132.5	4104.0
7.5°	3991.9	3999.0	4004.4	4027.5	4047.1	4080.9	4116.5	4139.6	4157.4	4160.9	4137.8
10°	3812.3	3846.1	3869.2	3904.8	3933.2	3952.8	3974.1	3993.7	4045.3	4096.9	4127.1
12.5°	3719.8	3728.6	3726.9	3746.4	3766.0	3817.6	3867.4	3895.9	3935.0	3958.1	4013.3
15°	3641.5	3643.3	3648.6	3662.8	3673.5	3691.3	3714.4	3757.1	3835.4	3871.0	3901.2
17.5°	3570.3	3570.3	3573.9	3586.3	3600.6	3616.6	3630.8	3648.6	3687.7	3746.4	3821.2
20°	3456.5	3506.3	3511.6	3509.8	3517.0	3547.2	3550.8	3582.8	3602.3	3625.5	3698.4
22.5°	3287.5	3317.7	3360.4	3426.2	3451.1	3465.4	3476.0	3490.3	3520.5	3547.2	3577.4
25°	3195.0	3214.5	3227.0	3246.6	3298.1	3381.8	3397.8	3413.8	3433.3	3452.9	3490.3
27.5°	3113.1	3111.4	3120.3	3138.0	3152.3	3196.7	3275.0	3337.3	3340.8	3369.3	3401.3
30°	3054.4	3043.8	3031.3	3027.7	3047.3	3070.4	3093.6	3191.4	3259.0	3273.2	3307.0
32.5°	2999.3	2981.5	2963.7	2949.5	2937.0	2956.6	2970.8	3013.5	3100.7	3182.5	3200.3
35°	2931.7	2913.9	2892.5	2876.5	2857.0	2855.2	2853.4	2894.3	2922.8	3020.6	3106.0
37.5°	2862.3	2842.7	2824.9	2807.2	2787.6	2773.4	2764.5	2775.1	2801.8	2844.5	2986.8
40°	2789.4	2766.2	2748.5	2734.2	2707.5	2696.9	2679.1	2672.0	2673.7	2711.1	2785.8
42.5°	1666.9	2657.7	2666.6	2650.6	2627.5	2613.3	2593.7	2584.8	2567.0	2584.8	2627.5
45°	642.2	649.3	1944.4	2568.8	2540.3	2522.5	2504.7	2495.8	2476.3	2462.0	2501.2
47.5°	629.7	636.9	622.6	882.4	2424.7	2430.0	2408.7	2399.8	2380.2	2369.5	2358.9
50°	620.8	626.2	615.5	619.1	606.6	2221.9	2310.8	2300.2	2278.8	2266.4	2245.0
52.5°	612.0	612.0	604.8	595.9	592.4	594.2	1869.7	2198.8	2173.9	2161.4	2132.9
55°	583.5	587.0	594.2	579.9	576.4	574.6	569.3	1780.7	2058.2	2044.0	2019.1
57.5°	540.8	547.9	567.5	563.9	563.9	549.7	546.1	546.1	1652.6	1924.8	1899.9
60°	491.0	498.1	519.4	526.6	531.9	528.3	524.8	523.0	515.9	1741.6	1773.6
62.5°	439.4	446.5	453.6	476.8	483.9	492.8	503.4	498.1	491.0	491.0	1640.2
65°	384.2	394.9	398.5	419.8	428.7	444.7	453.6	466.1	462.5	460.7	469.6
67.5°	336.2	348.7	350.5	359.3	375.4	382.5	393.1	416.3	426.9	430.5	434.1
70°	295.3	302.4	307.8	311.3	322.0	323.8	343.3	359.3	375.4	393.1	398.5
72.5°	254.4	259.7	270.4	266.8	270.4	277.5	288.2	298.9	314.9	339.8	355.8
75°	208.1	211.7	218.8	222.4	229.5	234.8	241.9	250.8	265.1	277.5	298.9
77.5°	167.2	169.0	174.3	176.1	183.2	188.6	201.0	206.4	215.3	224.1	236.6
80°	135.2	135.2	137.0	137.0	142.3	147.7	156.5	161.9	172.6	179.7	179.7
82.5°	103.2	103.2	108.5	108.5	112.1	112.1	117.4	117.4	122.7	126.3	129.9
85°	72.9	74.7	78.3	76.5	80.1	78.3	81.8	85.4	87.2	85.4	83.6
87.5°	48.0	48.0	51.6	49.8	51.6	51.6	55.1	55.1	56.9	56.9	55.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	3986.6	3959.9	3943.9	3924.3	3919.0	3913.7	3920.8	3920.8	3910.1	3901.2	3885.2
5°	4079.1	4050.6	4020.4	3988.4	3958.1	3926.1	3913.7	3911.9	3892.3	3881.6	3876.3
7.5°	4127.1	4112.9	4079.1	4034.6	3988.4	3931.4	3906.5	3892.3	3872.7	3869.2	3869.2
10°	4132.5	4116.5	4098.7	4066.6	4013.3	3938.6	3890.5	3862.1	3844.3	3856.7	3879.9
12.5°	4080.9	4111.1	4095.1	4073.8	4031.1	3940.3	3871.0	3828.3	3822.9	3855.0	3915.4
15°	3949.2	4038.2	4082.7	4061.3	4027.5	3936.8	3838.9	3789.1	3789.1	3855.0	3933.2
17.5°	3849.6	3919.0	4027.5	4045.3	4006.2	3929.7	3808.7	3750.0	3766.0	3862.1	3945.7
20°	3767.8	3810.5	3915.4	4015.1	3977.7	3913.7	3764.2	3703.7	3735.8	3851.4	3963.5
22.5°	3639.7	3725.1	3789.1	3936.8	3949.2	3883.4	3719.8	3646.8	3710.9	3851.4	3954.6
25°	3515.2	3618.4	3686.0	3830.0	3906.5	3846.1	3678.8	3586.3	3684.2	3846.1	3947.5
27.5°	3428.0	3476.0	3598.8	3702.0	3842.5	3796.2	3623.7	3520.5	3650.4	3817.6	3906.5
30°	3335.5	3367.5	3488.5	3586.3	3757.1	3739.3	3566.8	3447.6	3607.7	3790.9	3799.8
32.5°	3234.1	3269.7	3331.9	3474.3	3637.9	3686.0	3502.7	3374.6	3561.4	3750.0	3675.3
35°	3130.9	3157.6	3207.4	3360.4	3499.2	3605.9	3424.4	3291.0	3529.4	3687.7	3556.1
37.5°	3027.7	3056.2	3098.9	3227.0	3353.3	3531.2	3356.9	3207.4	3470.7	3577.4	3431.6
40°	2929.9	2945.9	2990.4	3070.4	3232.3	3454.7	3280.4	3120.3	3410.2	3436.9	3262.6
42.5°	2750.2	2830.3	2871.2	2935.2	3095.3	3349.7	3191.4	3027.7	3342.6	3296.4	3093.6
45°	2556.3	2730.7	2748.5	2812.5	2974.4	3237.7	3107.8	2937.0	3278.6	3175.4	2933.5
47.5°	2398.0	2524.3	2627.5	2680.9	2830.3	3106.0	3029.5	2860.5	3182.5	3022.4	2776.9
50°	2257.5	2325.1	2511.9	2551.0	2657.7	2947.7	2937.0	2771.6	3049.1	2830.3	2623.9
52.5°	2120.5	2168.5	2337.5	2421.1	2508.3	2776.9	2826.7	2684.4	2903.2	2638.2	2469.2
55°	2001.3	2017.3	2109.8	2285.9	2364.2	2604.4	2705.8	2583.0	2718.2	2454.9	2319.7
57.5°	1878.6	1864.3	1931.9	2157.8	2214.8	2428.2	2577.7	2479.8	2568.8	2268.1	2165.0
60°	1750.5	1730.9	1759.4	1908.8	2056.4	2253.9	2426.5	2366.0	2387.3	2083.1	1992.4
62.5°	1617.1	1597.5	1588.6	1682.9	1901.7	2074.2	2273.5	2239.7	2165.0	1914.1	1778.9
65°	1478.3	1458.7	1444.5	1481.9	1730.9	1841.2	2102.7	2093.8	1921.2	1736.2	1497.9
67.5°	450.1	1327.1	1296.8	1295.1	1458.7	1629.5	1917.7	1903.5	1675.8	1545.9	1289.7
70°	405.6	1076.3	1143.9	1127.8	1199.0	1414.3	1706.0	1695.3	1437.4	1239.9	1140.3
72.5°	371.8	380.7	1010.4	992.6	1008.7	1202.6	1485.4	1456.9	1218.6	978.4	985.5
75°	318.4	334.4	348.7	837.9	816.5	996.2	1245.3	1200.8	1005.1	807.6	823.6
77.5°	259.7	279.3	290.0	610.2	660.0	709.8	994.4	935.7	692.0	645.8	307.8
80°	193.9	209.9	227.7	243.7	501.7	496.3	738.3	679.6	482.1	402.0	240.2
82.5°	142.3	147.7	158.3	176.1	199.2	332.7	475.0	418.0	334.4	183.2	165.4
85°	88.9	96.1	101.4	106.7	121.0	199.2	234.8	186.8	140.5	112.1	105.0
87.5°	56.9	56.9	55.1	56.9	58.7	71.2	80.1	76.5	60.5	56.9	56.9
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-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	3867.4	3842.5	3842.5	3835.4	3840.7	3840.7	3838.9	3840.7	3853.2	3860.3	3872.7
5°	3865.6	3858.5	3874.5	3894.1	3917.2	3945.7	3952.8	3977.7	4000.8	4031.1	4063.1
7.5°	3888.8	3913.7	3943.9	3975.9	4022.2	4056.0	4086.2	4116.5	4137.8	4166.3	4184.1
10°	3922.6	3972.4	4024.0	4064.9	4114.7	4143.1	4162.7	4166.3	4136.0	4088.0	4048.9
12.5°	3970.6	4029.3	4077.3	4116.5	4139.6	4128.9	4072.0	4013.3	3979.5	3929.7	3860.3
15°	4011.5	4064.9	4114.7	4098.7	4036.4	3977.7	3933.2	3863.8	3796.2	3750.0	3719.8
17.5°	4029.3	4080.9	4063.1	3979.5	3920.8	3853.2	3762.4	3709.1	3664.6	3629.0	3611.2
20°	4040.0	4031.1	3935.0	3874.5	3760.7	3698.4	3639.7	3589.9	3556.1	3538.3	3534.7
22.5°	4011.5	3903.0	3821.2	3712.6	3629.0	3577.4	3531.2	3490.3	3467.1	3452.9	3444.0
25°	3917.2	3790.9	3669.9	3584.6	3513.4	3468.9	3433.3	3399.5	3371.1	3364.0	3346.2
27.5°	3785.6	3682.4	3522.3	3456.5	3394.2	3372.9	3333.7	3299.9	3275.0	3253.7	3196.7
30°	3677.1	3513.4	3397.8	3337.3	3299.9	3275.0	3230.5	3195.0	3152.3	3074.0	3042.0
32.5°	3543.6	3381.8	3271.5	3237.7	3191.4	3170.1	3120.3	3042.0	2976.2	2944.1	2942.4
35°	3371.1	3237.7	3157.6	3127.4	3090.0	3054.4	2951.3	2880.1	2848.1	2851.6	2878.3
37.5°	3227.0	3107.8	3056.2	3013.5	2970.8	2880.1	2792.9	2759.1	2768.0	2785.8	2798.3
40°	3081.1	2990.4	2931.7	2897.9	2801.8	2712.9	2666.6	2679.1	2695.1	2707.5	2723.5
42.5°	2938.8	2874.8	2816.1	2750.2	2618.6	2570.6	2581.2	2597.2	2611.5	2629.3	2645.3
45°	2803.6	2746.7	2679.1	2529.6	2463.8	2476.3	2492.3	2504.7	2526.1	2538.5	2554.6
47.5°	2675.5	2615.0	2495.8	2364.2	2357.1	2382.0	2396.2	2412.2	2428.2	2396.2	1321.7
50°	2531.4	2469.2	2287.7	2237.9	2253.9	2277.0	2294.8	2310.8	2058.2	818.3	629.7
52.5°	2389.1	2230.8	2115.2	2129.4	2145.4	2172.1	2184.5	1622.4	645.8	615.5	617.3
55°	2230.8	2028.0	1994.2	2012.0	2026.2	2052.9	1360.9	595.9	592.4	590.6	604.8
57.5°	1981.7	1859.0	1873.2	1891.0	1905.2	1344.9	579.9	576.4	578.2	579.9	581.7
60°	1759.4	1732.7	1748.7	1764.7	1248.8	560.4	549.7	551.5	558.6	553.2	539.0
62.5°	1583.3	1604.6	1620.6	1419.6	531.9	526.6	531.9	526.6	514.1	505.2	487.4
65°	1448.1	1469.4	1481.9	499.9	498.1	505.2	499.9	482.1	462.5	437.6	432.3
67.5°	1305.7	1327.1	475.0	462.5	469.6	460.7	439.4	418.0	403.8	382.5	373.6
70°	1158.1	496.3	430.5	428.7	416.3	402.0	378.9	357.6	339.8	330.9	322.0
72.5°	836.1	393.1	387.8	373.6	352.2	332.7	313.1	300.6	291.7	286.4	281.1
75°	348.7	341.6	325.5	300.6	279.3	270.4	256.2	247.3	243.7	233.0	229.5
77.5°	291.7	277.5	254.4	236.6	224.1	218.8	208.1	197.5	192.1	190.3	183.2
80°	224.1	204.6	193.9	185.0	181.5	169.0	156.5	151.2	147.7	145.9	140.5
82.5°	153.0	145.9	138.8	126.3	126.3	121.0	115.6	112.1	108.5	108.5	105.0
85°	99.6	94.3	92.5	87.2	87.2	83.6	81.8	80.1	78.3	76.5	74.7
87.5°	56.9	56.9	58.7	56.9	56.9	55.1	53.4	51.6	49.8	49.8	46.3
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-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	3888.8	3906.5	3910.1	3970.6	4004.4	4002.6	3991.9	4024.0	4004.4	3993.7	4004.4
5°	4095.1	4116.5	4134.2	4200.1	4223.2	4233.9	4232.1	4249.9	4235.6	4223.2	4223.2
7.5°	4196.5	4203.6	4210.7	4194.7	4184.1	4166.3	4139.6	4100.4	4080.9	4059.5	4032.8
10°	4029.3	4006.2	4015.1	3983.0	3956.4	3936.8	3911.9	3879.9	3853.2	3833.6	3803.4
12.5°	3824.7	3822.9	3826.5	3831.8	3805.1	3789.1	3769.6	3746.4	3726.9	3705.5	3680.6
15°	3700.2	3702.0	3716.2	3710.9	3702.0	3693.1	3671.7	3664.6	3646.8	3623.7	3609.5
17.5°	3611.2	3620.1	3634.4	3627.2	3613.0	3604.1	3588.1	3572.1	3556.1	3538.3	3517.0
20°	3533.0	3541.9	3550.8	3541.9	3515.2	3502.7	3481.4	3431.6	3396.0	3360.4	3328.4
22.5°	3447.6	3452.9	3445.8	3417.3	3349.7	3317.7	3292.8	3278.6	3248.3	3228.8	3209.2
25°	3340.8	3310.6	3264.3	3232.3	3205.6	3191.4	3180.7	3179.0	3175.4	3171.8	3162.9
27.5°	3166.5	3155.8	3130.9	3118.5	3120.3	3125.6	3127.4	3132.7	3127.4	3120.3	3113.1
30°	3036.6	3042.0	3043.8	3047.3	3056.2	3061.5	3063.3	3070.4	3066.9	3061.5	3058.0
32.5°	2954.8	2967.3	2974.4	2985.1	2990.4	2999.3	2999.3	3010.0	2999.3	2997.5	2993.9
35°	2887.2	2897.9	2901.4	2917.5	2922.8	2931.7	2931.7	2940.6	2931.7	2841.0	2243.2
37.5°	2819.6	2830.3	2837.4	2851.6	2853.4	2858.7	2638.2	1930.1	1245.3	964.2	736.5
40°	2739.6	2752.0	2759.1	2764.5	1942.6	1232.8	848.6	690.2	690.2	695.6	700.9
42.5°	2654.2	2663.1	1855.4	1079.8	672.4	670.7	676.0	681.3	686.7	693.8	700.9
45°	2086.7	1053.1	668.9	652.9	658.2	665.3	672.4	679.6	688.4	695.6	699.1
47.5°	684.9	642.2	651.1	644.0	652.9	661.8	668.9	676.0	677.8	679.6	677.8
50°	633.3	633.3	638.6	638.6	645.8	649.3	649.3	649.3	642.2	640.4	635.1
52.5°	612.0	626.2	619.1	622.6	619.1	613.7	608.4	603.1	592.4	588.8	581.7
55°	601.3	606.6	588.8	583.5	576.4	562.1	555.0	547.9	539.0	535.5	526.6
57.5°	576.4	563.9	544.4	535.5	523.0	508.8	501.7	496.3	487.4	483.9	478.5
60°	530.1	505.2	492.8	482.1	467.9	455.4	450.1	446.5	439.4	437.6	432.3
62.5°	473.2	451.8	441.2	426.9	416.3	409.2	403.8	402.0	394.9	394.9	391.4
65°	410.9	400.3	391.4	377.1	371.8	364.7	362.9	361.1	357.6	355.8	352.2
67.5°	361.1	354.0	341.6	334.4	330.9	325.5	322.0	318.4	311.3	307.8	302.4
70°	316.7	311.3	298.9	293.5	286.4	277.5	272.2	268.6	263.3	259.7	254.4
72.5°	274.0	257.9	249.1	243.7	238.4	229.5	227.7	224.1	218.8	217.0	211.7
75°	220.6	208.1	202.8	199.2	193.9	188.6	188.6	188.6	183.2	181.5	179.7
77.5°	176.1	169.0	165.4	161.9	160.1	156.5	151.2	149.4	144.1	144.1	142.3
80°	135.2	131.6	128.1	126.3	124.5	121.0	117.4	115.6	110.3	110.3	108.5
82.5°	99.6	97.8	96.1	94.3	92.5	90.7	85.4	83.6	80.1	80.1	78.3
85°	71.2	69.4	65.8	64.0	64.0	62.3	56.9	55.1	51.6	51.6	51.6
87.5°	44.5	42.7	40.9	39.1	37.4	35.6	32.0	30.2	30.2	26.7	24.9
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-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	3983.0	4013.3	4009.7	4031.1	4036.4	4047.1	4050.6	4052.4	4025.7	4047.1	4048.9
5°	4217.9	4223.2	4226.7	4235.6	4244.5	4246.3	4237.4	4226.7	4230.3	4223.2	4205.4
7.5°	4029.3	4002.6	3997.3	3990.2	3986.6	3983.0	3967.0	3981.3	3965.2	3958.1	3933.2
10°	3798.0	3773.1	3771.3	3771.3	3776.7	3774.9	3771.3	3764.2	3778.5	3769.6	3764.2
12.5°	3677.1	3668.2	3673.5	3669.9	3684.2	3687.7	3684.2	3684.2	3680.6	3673.5	3677.1
15°	3604.1	3597.0	3602.3	3597.0	3607.7	3609.5	3600.6	3605.9	3597.0	3588.1	3584.6
17.5°	3508.1	3492.0	3479.6	3461.8	3463.6	3460.0	3449.4	3449.4	3440.5	3417.3	3419.1
20°	3323.1	3307.0	3299.9	3299.9	3308.8	3312.4	3310.6	3314.2	3305.3	3301.7	3287.5
22.5°	3207.4	3205.6	3209.2	3218.1	3232.3	3251.9	3253.7	3253.7	3253.7	3251.9	3234.1
25°	3166.5	3166.5	3170.1	3182.5	3193.2	3207.4	3211.0	3214.5	3211.0	3211.0	3195.0
27.5°	3120.3	3116.7	3123.8	3136.3	3148.7	3159.4	3168.3	3170.1	3164.7	3164.7	3170.1
30°	3063.3	3061.5	3070.4	3082.9	3093.6	3104.2	3113.1	3120.3	3113.1	3113.1	3107.8
32.5°	3004.6	3004.6	3008.2	2933.5	2720.0	2449.6	2454.9	2298.4	2189.9	2052.9	2234.3
35°	1875.0	1364.4	1172.3	992.6	866.3	784.5	782.7	756.0	743.6	734.7	732.9
37.5°	708.0	711.6	718.7	722.2	727.6	731.1	732.9	732.9	732.9	732.9	731.1
40°	706.2	713.4	718.7	724.0	729.4	732.9	732.9	734.7	736.5	736.5	736.5
42.5°	708.0	715.1	722.2	727.6	731.1	732.9	734.7	736.5	736.5	736.5	736.5
45°	706.2	709.8	709.8	711.6	711.6	711.6	713.4	713.4	711.6	709.8	713.4
47.5°	679.6	679.6	674.2	672.4	670.7	667.1	668.9	667.1	665.3	663.5	667.1
50°	633.3	626.2	622.6	619.1	617.3	613.7	615.5	613.7	612.0	608.4	613.7
52.5°	578.2	576.4	569.3	565.7	563.9	565.7	562.1	560.4	558.6	556.8	558.6
55°	524.8	517.7	515.9	512.3	510.6	512.3	510.6	508.8	507.0	505.2	507.0
57.5°	476.8	471.4	469.6	466.1	466.1	466.1	466.1	464.3	462.5	460.7	462.5
60°	430.5	426.9	425.2	425.2	423.4	423.4	423.4	421.6	419.8	419.8	421.6
62.5°	391.4	391.4	386.0	384.2	384.2	386.0	384.2	382.5	380.7	378.9	382.5
65°	350.5	343.3	341.6	338.0	334.4	336.2	334.4	332.7	330.9	329.1	332.7
67.5°	300.6	298.9	291.7	288.2	286.4	288.2	286.4	284.6	282.9	281.1	284.6
70°	252.6	252.6	245.5	243.7	241.9	241.9	240.2	240.2	238.4	236.6	240.2
72.5°	209.9	209.9	208.1	204.6	202.8	201.0	199.2	197.5	197.5	199.2	199.2
75°	174.3	170.8	163.7	165.4	163.7	161.9	161.9	160.1	158.3	161.9	160.1
77.5°	137.0	135.2	129.9	131.6	129.9	128.1	128.1	126.3	124.5	126.3	126.3
80°	103.2	103.2	101.4	99.6	99.6	97.8	96.1	96.1	94.3	96.1	96.1
82.5°	74.7	74.7	72.9	71.2	69.4	69.4	67.6	67.6	67.6	67.6	67.6
85°	48.0	46.3	46.3	42.7	42.7	42.7	40.9	40.9	40.9	40.9	40.9
87.5°	23.1	23.1	21.3	21.3	19.6	17.8	17.8	16.0	16.0	17.8	17.8
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-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	4016.8	4040.0	4020.4	4029.3	4031.1	4061.3	4059.5	4066.6	4054.2	4040.0	4020.4
5°	4221.4	4210.7	4196.5	4230.3	4212.5	4233.9	4241.0	4255.2	4255.2	4253.4	4237.4
7.5°	3959.9	3936.8	3954.6	3967.0	3972.4	3958.1	3986.6	4018.6	4045.3	4061.3	4063.1
10°	3755.3	3762.4	3760.7	3766.0	3778.5	3776.7	3794.5	3812.3	3819.4	3830.0	3833.6
12.5°	3659.3	3657.5	3661.0	3673.5	3680.6	3678.8	3696.6	3707.3	3710.9	3712.6	3710.9
15°	3582.8	3570.3	3579.2	3581.0	3586.3	3586.3	3607.7	3623.7	3630.8	3634.4	3630.8
17.5°	3438.7	3408.4	3436.9	3436.9	3456.5	3452.9	3486.7	3513.4	3527.6	3538.3	3538.3
20°	3296.4	3282.1	3292.8	3289.3	3303.5	3301.7	3323.1	3340.8	3353.3	3362.2	3372.9
22.5°	3239.4	3243.0	3227.0	3228.8	3228.8	3227.0	3237.7	3246.6	3250.1	3255.5	3251.9
25°	3202.1	3205.6	3200.3	3191.4	3187.9	3191.4	3196.7	3207.4	3209.2	3205.6	3193.2
27.5°	3164.7	3154.1	3162.9	3146.9	3143.4	3150.5	3157.6	3159.4	3161.2	3161.2	3150.5
30°	3107.8	3098.9	3107.8	3100.7	3093.6	3100.7	3106.0	3106.0	3109.6	3111.4	3098.9
32.5°	2172.1	2189.9	2478.1	2652.4	2897.9	3022.4	3045.5	3045.5	3049.1	3049.1	3038.4
35°	740.0	741.8	802.3	869.9	1014.0	1191.9	1424.9	1545.9	1955.0	2444.3	2917.5
37.5°	731.1	729.4	727.6	725.8	724.0	722.2	718.7	716.9	727.6	862.8	1170.5
40°	734.7	732.9	729.4	727.6	725.8	722.2	720.5	716.9	713.4	709.8	706.2
42.5°	734.7	732.9	731.1	729.4	727.6	725.8	722.2	718.7	715.1	709.8	704.5
45°	709.8	709.8	711.6	711.6	713.4	713.4	713.4	711.6	711.6	709.8	702.7
47.5°	663.5	663.5	668.9	668.9	672.4	676.0	676.0	679.6	684.9	688.4	690.2
50°	610.2	610.2	615.5	617.3	620.8	626.2	631.5	633.3	638.6	645.8	652.9
52.5°	556.8	556.8	562.1	562.1	565.7	571.0	576.4	578.2	585.3	592.4	601.3
55°	507.0	507.0	510.6	512.3	514.1	517.7	523.0	523.0	530.1	535.5	544.4
57.5°	462.5	466.1	466.1	466.1	467.9	471.4	475.0	475.0	480.3	485.6	492.8
60°	419.8	423.4	423.4	423.4	425.2	426.9	430.5	430.5	434.1	437.6	444.7
62.5°	380.7	384.2	384.2	386.0	386.0	387.8	391.4	389.6	393.1	394.9	400.3
65°	330.9	334.4	336.2	338.0	339.8	343.3	348.7	346.9	352.2	355.8	361.1
67.5°	282.9	286.4	286.4	288.2	290.0	293.5	297.1	297.1	302.4	306.0	313.1
70°	238.4	241.9	241.9	243.7	245.5	249.1	252.6	250.8	256.2	259.7	265.1
72.5°	197.5	201.0	201.0	202.8	202.8	206.4	209.9	213.5	213.5	217.0	220.6
75°	160.1	161.9	163.7	163.7	165.4	167.2	170.8	174.3	176.1	177.9	181.5
77.5°	126.3	128.1	129.9	129.9	131.6	133.4	135.2	142.3	145.9	147.7	147.7
80°	96.1	97.8	97.8	97.8	99.6	101.4	105.0	105.0	112.1	112.1	113.9
82.5°	67.6	69.4	69.4	69.4	71.2	74.7	76.5	78.3	81.8	83.6	83.6
85°	40.9	42.7	42.7	42.7	44.5	46.3	49.8	51.6	53.4	53.4	55.1
87.5°	16.0	17.8	19.6	19.6	21.3	23.1	24.9	26.7	28.5	28.5	30.2
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-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	3999.0	4011.5	3999.0	4006.2	4015.1	3999.0	3961.7	3947.5	3942.1	3920.8	3906.5
5°	4221.4	4221.4	4216.1	4230.3	4228.5	4203.6	4164.5	4146.7	4128.9	4105.8	4088.0
7.5°	4063.1	4077.3	4086.2	4141.4	4176.9	4180.5	4205.4	4210.7	4217.9	4210.7	4200.1
10°	3835.4	3830.0	3855.0	3906.5	3936.8	3952.8	4000.8	4024.0	4043.5	4082.7	4123.6
12.5°	3707.3	3714.4	3725.1	3762.4	3790.9	3783.8	3803.4	3819.4	3842.5	3881.6	3940.3
15°	3621.9	3629.0	3639.7	3668.2	3686.0	3677.1	3687.7	3698.4	3714.4	3734.0	3769.6
17.5°	3529.4	3541.9	3554.3	3584.6	3600.6	3598.8	3607.7	3611.2	3616.6	3629.0	3653.9
20°	3385.3	3424.4	3449.4	3490.3	3513.4	3509.8	3525.8	3531.2	3538.3	3550.8	3561.4
22.5°	3253.7	3264.3	3276.8	3321.3	3360.4	3408.4	3419.1	3433.3	3451.1	3463.6	3474.3
25°	3179.0	3171.8	3177.2	3207.4	3228.8	3232.3	3248.3	3294.6	3342.6	3364.0	3388.9
27.5°	3134.5	3127.4	3125.6	3139.8	3143.4	3134.5	3130.9	3145.2	3180.7	3216.3	3291.0
30°	3086.5	3077.6	3070.4	3082.9	3088.2	3075.8	3052.7	3040.2	3061.5	3070.4	3100.7
32.5°	3029.5	3020.6	3017.1	3024.2	3027.7	3017.1	2992.2	2977.9	2974.4	2967.3	2974.4
35°	2965.5	2956.6	2951.3	2953.0	2960.1	2951.3	2929.9	2912.1	2903.2	2883.7	2869.4
37.5°	1528.1	2165.0	2810.7	2878.3	2885.4	2883.7	2862.3	2842.7	2833.8	2810.7	2803.6
40°	699.1	781.0	1172.3	1531.7	2209.4	2807.2	2787.6	2768.0	2752.0	2744.9	2718.2
42.5°	697.3	699.1	700.9	692.0	857.4	1460.5	2156.1	2691.5	2680.9	2663.1	2643.5
45°	697.3	688.4	695.6	684.9	688.4	686.7	855.7	1380.5	2456.7	2567.0	2558.1
47.5°	690.2	684.9	692.0	683.1	672.4	677.8	670.7	679.6	1060.2	1798.5	2463.8
50°	658.2	661.8	674.2	672.4	663.5	670.7	658.2	668.9	660.0	724.0	1394.7
52.5°	610.2	617.3	629.7	640.4	644.0	652.9	649.3	652.9	645.8	647.5	649.3
55°	553.2	562.1	572.8	588.8	595.9	610.2	620.8	626.2	635.1	633.3	619.1
57.5°	499.9	508.8	517.7	533.7	549.7	556.8	576.4	587.0	610.2	604.8	601.3
60°	450.1	457.2	466.1	469.6	489.2	501.7	519.4	530.1	560.4	567.5	578.2
62.5°	405.6	409.2	416.3	421.6	434.1	446.5	455.4	473.2	489.2	512.3	528.3
65°	364.7	368.2	373.6	377.1	378.9	396.7	402.0	421.6	426.9	451.8	466.1
67.5°	318.4	325.5	332.7	336.2	339.8	350.5	354.0	362.9	375.4	386.0	403.8
70°	270.4	275.7	282.9	288.2	295.3	302.4	313.1	318.4	327.3	334.4	348.7
72.5°	225.9	231.3	234.8	240.2	245.5	250.8	259.7	272.2	279.3	291.7	295.3
75°	183.2	188.6	192.1	195.7	201.0	204.6	208.1	220.6	227.7	238.4	249.1
77.5°	151.2	151.2	154.8	165.4	163.7	163.7	167.2	174.3	179.7	186.8	197.5
80°	117.4	119.2	121.0	129.9	131.6	133.4	131.6	137.0	142.3	144.1	151.2
82.5°	87.2	88.9	88.9	94.3	99.6	99.6	99.6	101.4	106.7	108.5	112.1
85°	58.7	60.5	62.3	64.0	67.6	69.4	71.2	71.2	74.7	76.5	78.3
87.5°	32.0	35.6	37.4	39.1	40.9	42.7	44.5	46.3	48.0	49.8	51.6
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-LD5-86SL-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°	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6	3881.6
2.5°	3901.2	3892.3	3887.0	3872.7	3869.2	3846.1	3849.6	3846.1	3846.1	3851.4	3869.2
5°	4068.4	4025.7	4015.1	3984.8	3959.9	3917.2	3890.5	3876.3	3855.0	3846.1	3858.5
7.5°	4182.3	4150.3	4123.6	4096.9	4061.3	4011.5	3974.1	3931.4	3895.9	3862.1	3853.2
10°	4162.7	4198.3	4198.3	4182.3	4148.5	4098.7	4054.2	4000.8	3938.6	3885.2	3853.2
12.5°	3997.3	4059.5	4109.3	4146.7	4180.5	4146.7	4102.2	4059.5	3990.2	3911.9	3853.2
15°	3815.8	3879.9	3942.1	4020.4	4102.2	4136.0	4134.2	4084.4	4022.2	3940.3	3858.5
17.5°	3687.7	3732.2	3766.0	3851.4	3951.0	4038.2	4096.9	4100.4	4040.0	3967.0	3860.3
20°	3591.7	3623.7	3652.2	3700.2	3787.4	3894.1	4002.6	4063.1	4052.4	3972.4	3865.6
22.5°	3504.5	3527.6	3550.8	3586.3	3655.7	3725.1	3851.4	3975.9	4029.3	3963.5	3860.3
25°	3417.3	3442.2	3460.0	3484.9	3540.1	3597.0	3686.0	3840.7	3959.9	3956.4	3849.6
27.5°	3314.2	3348.0	3369.3	3403.1	3440.5	3483.2	3543.6	3689.5	3860.3	3920.8	3821.2
30°	3189.6	3239.4	3271.5	3308.8	3340.8	3378.2	3426.2	3515.2	3726.9	3851.4	3790.9
32.5°	3010.0	3098.9	3170.1	3205.6	3241.2	3273.2	3315.9	3390.7	3563.2	3757.1	3757.1
35°	2881.9	2922.8	2986.8	3090.0	3134.5	3166.5	3205.6	3264.3	3374.6	3645.0	3702.0
37.5°	2782.3	2798.3	2830.3	2931.7	3015.3	3066.9	3106.0	3143.4	3251.9	3492.0	3630.8
40°	2707.5	2702.2	2698.6	2746.7	2865.9	2947.7	2992.2	3029.5	3113.1	3308.8	3536.5
42.5°	2620.4	2615.0	2597.2	2609.7	2668.4	2805.4	2873.0	2913.9	2983.3	3116.7	3433.3
45°	2529.6	2520.8	2513.6	2501.2	2522.5	2599.0	2737.8	2798.3	2837.4	2956.6	3303.5
47.5°	2437.1	2424.7	2415.8	2405.1	2392.7	2428.2	2559.9	2668.4	2736.0	2810.7	3146.9
50°	2305.5	2321.5	2310.8	2298.4	2287.7	2280.6	2335.7	2513.6	2597.2	2657.7	2956.6
52.5°	1086.9	2113.4	2202.3	2189.9	2175.6	2163.2	2175.6	2310.8	2462.0	2510.1	2727.1
55°	619.1	941.1	1958.6	2070.7	2058.2	2040.4	2029.8	2076.0	2301.9	2366.0	2517.2
57.5°	595.9	597.7	864.6	1866.1	1935.5	1919.5	1907.0	1917.7	2109.8	2218.3	2334.0
60°	576.4	576.4	576.4	825.4	1784.3	1789.6	1773.6	1755.8	1839.4	2052.9	2149.0
62.5°	533.7	544.4	549.7	549.7	814.8	1652.6	1636.6	1631.3	1634.8	1853.7	1963.9
65°	478.5	503.4	514.1	521.2	521.2	855.7	1496.1	1487.2	1474.7	1558.3	1777.2
67.5°	418.0	443.0	466.1	480.3	482.1	498.1	893.0	1339.5	1321.7	1323.5	1577.9
70°	355.8	377.1	402.0	423.4	443.0	451.8	466.1	1111.8	1170.5	1145.6	1352.0
72.5°	307.8	316.7	334.4	355.8	378.9	400.3	412.7	443.0	1015.8	989.1	1028.2
75°	256.2	263.3	275.7	290.0	307.8	332.7	354.0	375.4	539.0	829.0	823.6
77.5°	199.2	211.7	225.9	234.8	243.7	261.5	290.0	311.3	332.7	560.4	660.0
80°	153.0	161.9	169.0	177.9	188.6	201.0	211.7	236.6	261.5	281.1	505.2
82.5°	113.9	119.2	124.5	128.1	131.6	138.8	158.3	167.2	183.2	201.0	238.4
85°	80.1	83.6	87.2	88.9	90.7	92.5	99.6	101.4	117.4	121.0	144.1
87.5°	51.6	53.4	56.9	58.7	58.7	60.5	62.3	62.3	62.3	58.7	71.2
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-LD5-86SL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	3881.6	3881.6
2.5°	3883.4	3911.9
5°	3878.1	3915.4
7.5°	3863.8	3899.4
10°	3842.5	3885.2
12.5°	3819.4	3860.3
15°	3799.8	3830.0
17.5°	3778.5	3796.2
20°	3750.0	3764.2
22.5°	3721.5	3714.4
25°	3689.5	3673.5
27.5°	3648.6	3618.4
30°	3611.2	3557.9
32.5°	3575.7	3488.5
35°	3527.6	3417.3
37.5°	3477.8	3344.4
40°	3419.1	3260.8
42.5°	3356.9	3177.2
45°	3278.6	3097.1
47.5°	3209.2	3001.1
50°	3113.1	2897.9
52.5°	2995.7	2801.8
55°	2857.0	2684.4
57.5°	2707.5	2561.7
60°	2547.4	2421.1
62.5°	2353.5	2275.3
65°	2125.8	2108.0
67.5°	1828.7	1923.0
70°	1499.6	1711.3
72.5°	1254.1	1487.2
75°	1028.2	1236.4
77.5°	814.8	969.5
80°	508.8	709.8
82.5°	341.6	466.1
85°	206.4	222.4
87.5°	80.1	81.8
90°	0.0	0.0

(END OF REPORT)