

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-LD5-130HL-RW-UNV-L930-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-LD5-130HL-RW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

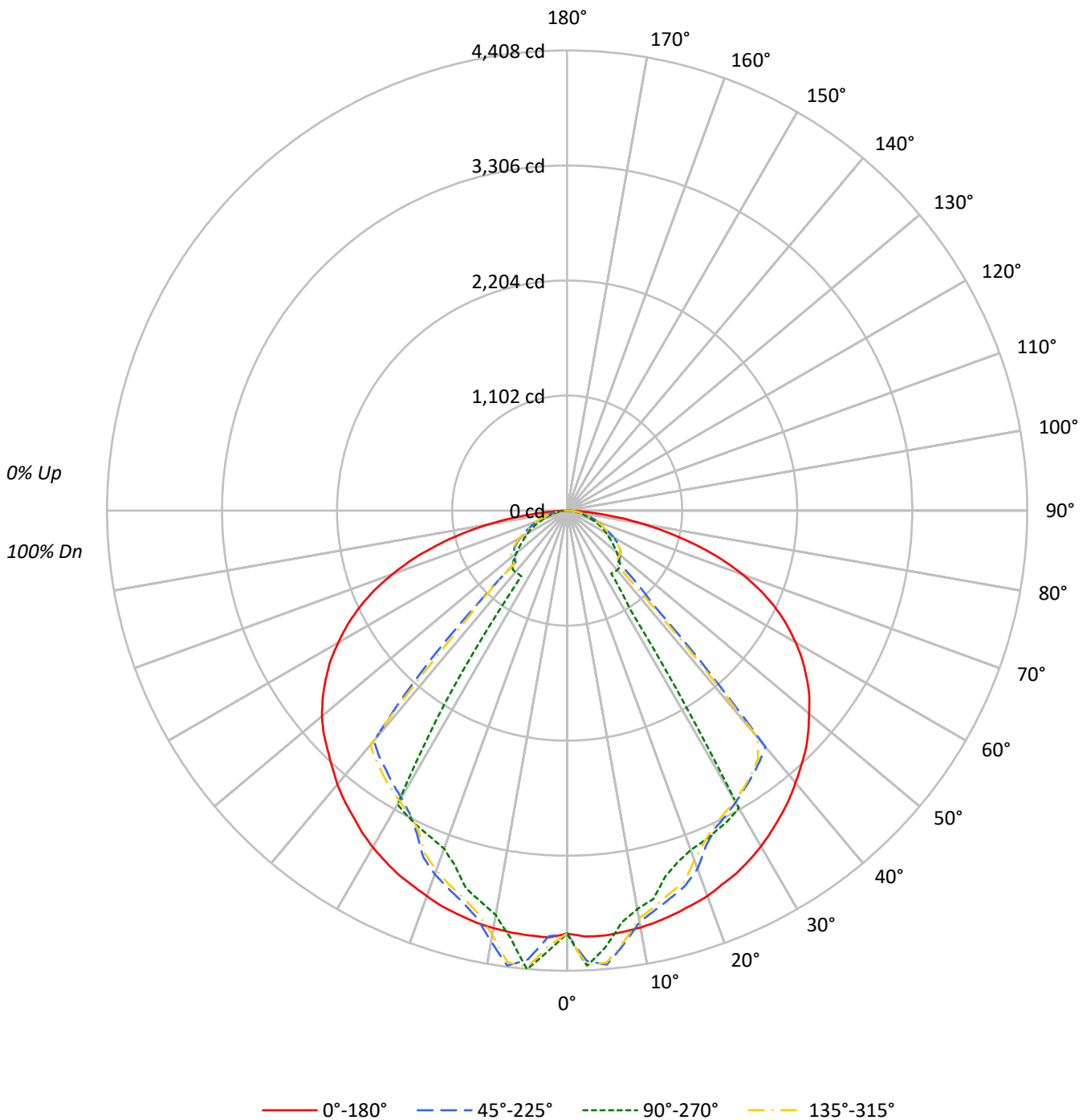
Lumens per Lamp: N/A
Luminaire Lumens: 8114.0 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 86
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°	16372	16372	16372	16372
5°	16555	16495	16547	17312
10°	16594	14913	16617	15142
15°	16654	13798	16693	14236
20°	16800	13087	16800	13038
25°	16972	12837	16997	12717
30°	17173	12611	17216	12461
35°	17405	2872	17442	2995
40°	17721	2987	17828	3084
45°	18190	2970	18252	3078
50°	18667	2686	18920	2758
55°	19309	2385	19463	2419
60°	19885	2119	19929	2146
65°	20356	1849	20304	1819
70°	20235	1491	20172	1436
75°	19038	1147	19175	1099
80°	15836	815	16471	746
85°	9130	488	9641	374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.7	4.9
10°-20°	1096.1	13.5
20°-30°	1623.6	20.0
30°-40°	1635.9	20.2
40°-50°	1277.9	15.7
50°-60°	987.1	12.2
60°-70°	662.7	8.2
70°-80°	338.1	4.2
80°-90°	94.1	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°	3118.4	38.4
0°-40°	4754.2	58.6
0°-60°	7019.2	86.5
0°-90°	8114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8114.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4052	4052	4052	4052	4052	
5°	4087	4200	4085	4408	4087	389
15°	3998	3630	4007	3746	3998	1131
25°	3835	3383	3840	3352	3835	1769
35°	3567	735	3575	767	3567	2236
45°	3233	715	3244	741	3233	2493
55°	2802	520	2824	527	2802	2503
65°	2200	349	2195	344	2200	2164
75°	1291	176	1300	169	1291	1350
85°	232	56	245	43	232	319
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°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4083.5	4098.3	4109.5	4116.9	4120.6	4120.6	4122.5	4124.3	4148.5	4159.6	4167.1
5°	4087.2	4102.1	4124.3	4154.1	4180.1	4202.3	4220.9	4246.9	4272.9	4300.8	4310.0
7.5°	4070.5	4089.1	4133.6	4187.5	4237.6	4272.9	4297.0	4313.8	4326.8	4328.6	4337.9
10°	4055.6	4089.1	4150.3	4220.9	4284.0	4326.8	4326.8	4317.5	4330.5	4280.3	4230.2
12.5°	4029.6	4066.8	4150.3	4243.2	4302.6	4319.3	4311.9	4274.8	4198.6	4137.3	4109.5
15°	3998.1	4048.2	4152.2	4256.2	4306.3	4311.9	4241.3	4146.6	4089.1	4051.9	4005.5
17.5°	3962.8	4029.6	4154.1	4258.0	4276.6	4250.6	4116.9	4057.5	3998.1	3910.8	3847.7
20°	3929.4	3994.4	4139.2	4232.0	4243.2	4126.2	4022.2	3959.1	3858.8	3782.7	3754.8
22.5°	3877.4	3953.5	4126.2	4196.8	4154.1	4018.5	3918.2	3817.9	3727.0	3704.7	3671.2
25°	3834.7	3914.5	4096.5	4154.1	4040.8	3920.1	3803.1	3686.1	3643.4	3611.8	3582.1
27.5°	3777.1	3875.5	4057.5	4076.1	3920.1	3814.2	3643.4	3591.4	3552.4	3517.1	3504.1
30°	3714.0	3834.7	4003.6	3968.4	3819.8	3663.8	3537.5	3489.3	3461.4	3424.3	3409.4
32.5°	3641.5	3773.4	3944.2	3843.9	3712.1	3517.1	3435.4	3398.3	3361.1	3333.3	3240.4
35°	3567.3	3719.5	3873.7	3725.1	3582.1	3405.7	3333.3	3299.8	3264.6	3162.4	3065.9
37.5°	3491.1	3660.1	3788.2	3597.0	3409.4	3290.6	3229.3	3192.1	3112.3	2982.3	2934.0
40°	3403.8	3587.7	3678.7	3465.1	3259.0	3173.6	3116.0	3078.9	2898.7	2841.2	2826.3
42.5°	3316.6	3517.1	3545.0	3337.0	3134.6	3049.2	3000.9	2878.3	2755.8	2726.0	2731.6
45°	3233.0	3441.0	3398.3	3155.0	3004.6	2934.0	2852.3	2683.3	2618.3	2633.2	2636.9
47.5°	3132.7	3350.0	3244.1	2973.0	2870.9	2800.3	2618.3	2516.2	2506.9	2527.3	2538.5
50°	3025.0	3247.9	3080.7	2807.7	2726.0	2642.5	2436.4	2384.4	2395.5	2415.9	2428.9
52.5°	2924.7	3132.7	2911.7	2653.6	2583.1	2391.8	2252.5	2261.8	2280.4	2304.5	2311.9
55°	2802.2	2993.4	2731.6	2497.6	2430.8	2180.1	2117.0	2139.2	2157.8	2178.2	2193.1
57.5°	2674.0	2833.7	2518.1	2323.1	2215.4	1992.5	1998.1	2013.0	2026.0	2050.1	846.8
60°	2527.3	2651.8	2284.1	2161.5	1948.0	1844.0	1849.5	1875.5	1888.5	1054.8	583.1
62.5°	2375.1	2440.1	2072.4	1977.7	1702.8	1695.4	1721.4	1732.6	1179.2	557.1	546.0
65°	2200.5	2187.5	1864.4	1714.0	1535.7	1543.1	1571.0	1515.3	521.8	521.8	518.1
67.5°	2007.4	1929.4	1662.0	1418.7	1374.2	1390.9	1420.6	495.8	482.8	486.5	473.5
70°	1786.4	1676.8	1452.2	1201.5	1216.3	1233.0	479.1	449.4	443.8	434.5	408.5
72.5°	1552.4	1402.0	1188.5	1043.6	1052.9	661.1	419.7	404.8	386.3	367.7	339.8
75°	1290.6	1095.6	872.8	872.8	885.8	377.0	365.8	341.7	321.3	297.1	280.4
77.5°	1012.1	843.1	677.8	703.8	343.5	315.7	295.3	269.3	252.5	237.7	228.4
80°	740.9	588.7	510.7	456.8	267.4	239.5	219.1	204.3	196.8	187.6	176.4
82.5°	486.5	354.7	354.7	215.4	187.6	165.3	159.7	148.6	141.1	135.6	130.0
85°	232.1	206.1	156.0	131.8	117.0	105.8	102.1	96.6	96.6	94.7	92.8
87.5°	85.4	92.8	68.7	66.9	63.1	61.3	63.1	63.1	65.0	63.1	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



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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°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4185.6	4200.5	4211.6	4230.2	4254.3	4274.8	4293.3	4319.3	4360.2	4371.3	4380.6
5°	4310.0	4315.6	4328.6	4343.5	4347.2	4356.5	4354.6	4365.8	4371.3	4384.3	4356.5
7.5°	4317.5	4287.8	4252.5	4220.9	4198.6	4178.2	4165.2	4185.6	4196.8	4206.1	4178.2
10°	4161.5	4126.2	4105.8	4087.2	4064.9	4033.4	3990.6	3999.9	3996.2	3996.2	3986.9
12.5°	4063.1	4012.9	3960.9	3914.5	3894.1	3892.2	3894.1	3914.5	3914.5	3912.6	3901.5
15°	3908.9	3860.7	3834.7	3823.5	3823.5	3817.9	3817.9	3840.2	3834.7	3834.7	3829.1
17.5°	3806.8	3773.4	3754.8	3741.8	3736.2	3745.5	3756.7	3765.9	3767.8	3760.4	3730.7
20°	3723.2	3691.7	3669.4	3673.1	3671.2	3676.8	3682.4	3650.8	3611.8	3559.8	3535.7
22.5°	3636.0	3611.8	3595.1	3595.1	3572.8	3537.5	3485.5	3474.4	3468.8	3444.7	3424.3
25°	3552.4	3524.5	3500.4	3426.1	3379.7	3385.3	3376.0	3357.4	3355.6	3353.7	3361.1
27.5°	3468.8	3396.4	3303.6	3292.4	3273.8	3272.0	3283.1	3292.4	3292.4	3299.8	3309.1
30°	3296.1	3212.6	3195.9	3175.4	3182.9	3208.9	3214.4	3227.4	3231.1	3244.1	3251.6
32.5°	3138.3	3101.2	3086.3	3095.6	3119.7	3142.0	3155.0	3160.6	3169.9	3181.0	3190.3
35°	3010.2	2999.0	3012.0	3032.4	3056.6	3075.2	3086.3	3097.4	3106.7	3116.0	3123.4
37.5°	2915.5	2922.9	2941.5	2967.4	2991.6	3006.4	3015.7	3028.7	3041.7	3052.9	3008.3
40°	2826.3	2844.9	2865.3	2893.2	2913.6	2928.5	2937.7	2954.4	2843.0	1286.9	705.7
42.5°	2748.3	2768.8	2783.6	2805.9	2828.2	2839.3	2757.6	1231.2	696.4	692.7	701.9
45°	2653.6	2670.3	2694.5	2711.2	2731.6	1793.8	685.2	692.7	681.5	688.9	692.7
47.5°	2557.1	2583.1	2596.1	2477.2	737.2	681.5	674.1	681.5	674.1	683.4	677.8
50°	2447.5	2479.1	1764.1	666.7	661.1	657.4	664.8	661.1	666.7	674.1	659.2
52.5°	2336.1	1446.6	646.2	642.5	646.2	642.5	655.5	646.2	648.1	640.7	622.1
55°	791.1	625.8	620.2	618.4	629.5	629.5	629.5	614.7	605.4	586.8	573.8
57.5°	605.4	605.4	603.5	605.4	601.7	597.9	581.2	568.2	555.2	529.2	521.8
60°	573.8	573.8	573.8	573.8	557.1	549.7	523.7	512.5	490.2	477.2	469.8
62.5°	547.8	544.1	527.4	521.8	503.2	482.8	468.0	456.8	434.5	427.1	421.5
65°	510.7	497.7	477.2	455.0	445.7	423.4	416.0	399.2	388.1	382.5	378.8
67.5°	449.4	430.8	414.1	399.2	382.5	375.1	365.8	352.8	345.4	341.7	338.0
70°	384.4	371.4	354.7	345.4	334.3	328.7	315.7	312.0	306.4	300.8	295.3
72.5°	321.3	313.8	306.4	293.4	289.7	286.0	273.0	265.5	258.1	250.7	247.0
75°	269.3	263.7	260.0	248.8	243.3	232.1	222.8	217.3	211.7	206.1	202.4
77.5°	221.0	217.3	206.1	198.7	195.0	185.7	182.0	183.8	180.1	172.7	169.0
80°	172.7	169.0	159.7	159.7	156.0	152.3	148.6	144.8	141.1	135.6	131.8
82.5°	131.8	128.1	124.4	120.7	117.0	115.1	113.3	109.6	105.8	102.1	100.3
85°	92.8	91.0	89.1	87.3	85.4	83.6	81.7	78.0	74.3	72.4	70.6
87.5°	63.1	61.3	59.4	57.6	55.7	53.9	52.0	50.1	46.4	44.6	42.7
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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4380.6	4389.9	4380.6	4360.2	4347.2	4341.6	4352.8	4352.8	4360.2	4369.5	4371.3
5°	4311.9	4289.6	4263.6	4237.6	4224.6	4217.2	4196.8	4200.5	4206.1	4209.8	4213.5
7.5°	4141.1	4111.3	4076.1	4042.6	4029.6	4018.5	3994.4	3994.4	3994.4	3996.2	4007.4
10°	3966.5	3953.5	3938.6	3916.4	3899.7	3894.1	3873.7	3879.2	3875.5	3881.1	3894.1
12.5°	3884.8	3869.9	3856.9	3834.7	3816.1	3808.7	3799.4	3804.9	3803.1	3812.4	3823.5
15°	3810.5	3803.1	3788.2	3771.5	3754.8	3740.0	3706.5	3695.4	3688.0	3678.7	3691.7
17.5°	3688.0	3636.0	3600.7	3574.7	3556.1	3543.1	3533.8	3533.8	3539.4	3545.0	3556.1
20°	3520.8	3506.0	3489.3	3461.4	3442.8	3435.4	3429.8	3429.8	3439.1	3446.5	3467.0
22.5°	3405.7	3403.8	3398.3	3385.3	3376.0	3376.0	3377.8	3381.6	3394.6	3405.7	3426.1
25°	3351.8	3359.3	3355.6	3348.1	3342.6	3344.4	3340.7	3344.4	3357.4	3368.6	3385.3
27.5°	3309.1	3320.3	3316.6	3305.4	3296.1	3299.8	3305.4	3301.7	3312.8	3325.8	3338.8
30°	3251.6	3253.4	3260.9	3247.9	3244.1	3249.7	3251.6	3255.3	3266.4	3275.7	3286.8
32.5°	3186.6	3201.4	3199.6	3186.6	3186.6	3192.1	3194.0	3069.6	2837.5	2443.8	2336.1
35°	3123.4	3140.1	3112.3	2623.9	1816.1	969.3	748.4	722.4	727.9	731.6	735.4
37.5°	2310.1	1095.6	698.2	703.8	709.4	714.9	720.5	726.1	731.6	737.2	739.1
40°	694.5	692.7	698.2	705.7	711.2	714.9	722.4	727.9	733.5	739.1	740.9
42.5°	687.1	690.8	696.4	703.8	711.2	718.6	724.2	731.6	735.4	739.1	740.9
45°	683.4	690.8	698.2	703.8	709.4	713.1	716.8	718.6	716.8	716.8	720.5
47.5°	677.8	685.2	687.1	685.2	687.1	685.2	685.2	685.2	679.7	677.8	677.8
50°	657.4	657.4	653.7	646.2	644.4	642.5	638.8	636.9	629.5	627.7	627.7
52.5°	614.7	612.8	607.2	597.9	594.2	590.5	588.7	586.8	579.4	575.7	577.5
55°	564.5	560.8	555.2	544.1	542.2	538.5	536.7	534.8	527.4	531.1	525.5
57.5°	518.1	510.7	503.2	501.4	494.0	492.1	490.2	488.4	482.8	484.7	481.0
60°	462.4	460.5	456.8	449.4	449.4	447.5	447.5	443.8	440.1	438.2	438.2
62.5°	421.5	416.0	412.2	412.2	406.7	406.7	406.7	403.0	399.2	401.1	399.2
65°	377.0	375.1	373.3	369.5	369.5	367.7	367.7	364.0	358.4	360.3	356.5
67.5°	339.8	336.1	332.4	330.5	323.1	319.4	317.5	315.7	308.3	310.1	306.4
70°	293.4	287.8	284.1	280.4	274.8	271.1	271.1	267.4	261.8	263.7	260.0
72.5°	245.1	241.4	237.7	235.8	230.3	228.4	226.6	224.7	219.1	221.0	219.1
75°	204.3	204.3	202.4	200.6	195.0	189.4	185.7	183.8	180.1	182.0	178.3
77.5°	169.0	165.3	161.6	161.6	156.0	152.3	148.6	148.6	148.6	146.7	144.8
80°	131.8	128.1	128.1	126.3	122.6	118.8	117.0	117.0	115.1	115.1	113.3
82.5°	100.3	96.6	94.7	94.7	91.0	89.1	87.3	85.4	85.4	85.4	83.6
85°	70.6	66.9	65.0	65.0	61.3	59.4	59.4	57.6	57.6	55.7	55.7
87.5°	42.7	40.9	39.0	39.0	35.3	33.4	33.4	33.4	31.6	31.6	29.7
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4371.3	4371.3	4358.3	4362.0	4356.5	4363.9	4354.6	4354.6	4365.8	4365.8	4373.2
5°	4215.3	4206.1	4204.2	4200.5	4181.9	4189.3	4180.1	4170.8	4183.8	4183.8	4200.5
7.5°	4001.8	3985.1	3992.5	3981.4	3970.2	3953.5	3959.1	3951.6	3960.9	3973.9	3990.6
10°	3892.2	3877.4	3886.7	3875.5	3881.1	3856.9	3858.8	3860.7	3869.9	3873.7	3888.5
12.5°	3821.7	3817.9	3814.2	3810.5	3814.2	3801.2	3793.8	3795.7	3799.4	3801.2	3812.4
15°	3673.1	3649.0	3656.4	3630.4	3632.2	3634.1	3619.2	3634.1	3632.2	3656.4	3678.7
17.5°	3552.4	3552.4	3539.4	3528.3	3520.8	3519.0	3507.8	3515.3	3507.8	3522.7	3528.3
20°	3468.8	3467.0	3465.1	3459.5	3441.0	3442.8	3448.4	3431.7	3429.8	3428.0	3439.1
22.5°	3429.8	3431.7	3424.3	3424.3	3407.6	3411.3	3413.1	3394.6	3396.4	3390.8	3396.4
25°	3389.0	3392.7	3383.4	3383.4	3379.7	3377.8	3368.6	3372.3	3361.1	3351.8	3361.1
27.5°	3340.7	3348.1	3340.7	3344.4	3337.0	3333.3	3327.7	3324.0	3312.8	3311.0	3316.6
30°	3296.1	3299.8	3298.0	3288.7	3286.8	3275.7	3281.3	3270.1	3259.0	3260.9	3264.6
32.5°	1689.8	1613.7	1244.2	1123.5	1112.3	1153.2	1366.7	1663.9	2155.9	2633.2	2976.7
35°	737.2	737.2	737.2	735.4	735.4	733.5	731.6	729.8	727.9	726.1	724.2
37.5°	740.9	740.9	740.9	740.9	739.1	737.2	737.2	733.5	731.6	729.8	727.9
40°	742.8	744.6	744.6	744.6	742.8	742.8	740.9	737.2	735.4	731.6	727.9
42.5°	740.9	742.8	742.8	740.9	740.9	739.1	739.1	737.2	735.4	733.5	731.6
45°	716.8	718.6	714.9	714.9	713.1	713.1	713.1	713.1	713.1	714.9	714.9
47.5°	674.1	674.1	672.2	670.4	670.4	668.5	670.4	668.5	672.2	674.1	677.8
50°	623.9	623.9	620.2	618.4	618.4	618.4	618.4	620.2	622.1	625.8	629.5
52.5°	571.9	571.9	570.1	568.2	566.4	566.4	571.9	570.1	571.9	573.8	579.4
55°	521.8	523.7	520.0	520.0	518.1	518.1	518.1	520.0	521.8	523.7	529.2
57.5°	479.1	479.1	475.4	475.4	475.4	473.5	479.1	475.4	477.2	479.1	482.8
60°	436.4	434.5	434.5	432.7	432.7	432.7	436.4	434.5	434.5	436.4	440.1
62.5°	397.4	397.4	395.5	395.5	393.7	393.7	397.4	395.5	395.5	397.4	399.2
65°	352.8	352.8	351.0	349.1	354.7	349.1	354.7	351.0	354.7	356.5	360.3
67.5°	302.7	302.7	302.7	300.8	300.8	304.5	306.4	302.7	304.5	308.3	310.1
70°	258.1	258.1	256.3	256.3	256.3	260.0	261.8	258.1	260.0	261.8	265.5
72.5°	219.1	215.4	215.4	213.6	217.3	217.3	219.1	217.3	219.1	219.1	222.8
75°	180.1	176.4	176.4	176.4	180.1	178.3	180.1	178.3	180.1	180.1	182.0
77.5°	144.8	143.0	141.1	141.1	144.8	144.8	144.8	143.0	144.8	146.7	148.6
80°	113.3	111.4	109.6	109.6	113.3	113.3	113.3	115.1	113.3	115.1	117.0
82.5°	83.6	81.7	79.8	83.6	83.6	83.6	83.6	85.4	83.6	85.4	87.3
85°	55.7	53.9	52.0	55.7	55.7	55.7	55.7	57.6	55.7	57.6	59.4
87.5°	29.7	27.9	27.9	29.7	29.7	29.7	31.6	31.6	31.6	33.4	33.4
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4384.3	4389.9	4388.0	4376.9	4365.8	4352.8	4343.5	4345.3	4363.9	4369.5	4352.8
5°	4200.5	4235.8	4235.8	4259.9	4246.9	4235.8	4243.2	4284.0	4304.5	4336.0	4347.2
7.5°	4011.1	4027.8	4025.9	4050.1	4046.4	4046.4	4051.9	4105.8	4131.8	4157.8	4165.2
10°	3905.2	3921.9	3920.1	3921.9	3916.4	3903.4	3903.4	3927.5	3949.8	3962.8	3966.5
12.5°	3829.1	3838.4	3836.5	3836.5	3832.8	3821.7	3819.8	3840.2	3864.4	3881.1	3882.9
15°	3715.8	3741.8	3747.4	3771.5	3765.9	3751.1	3754.8	3771.5	3786.4	3801.2	3795.7
17.5°	3546.8	3559.8	3561.7	3571.0	3567.3	3567.3	3589.5	3650.8	3691.7	3727.0	3730.7
20°	3450.3	3459.5	3455.8	3476.3	3467.0	3465.1	3470.7	3496.7	3515.3	3532.0	3561.7
22.5°	3403.8	3411.3	3405.7	3407.6	3390.8	3376.0	3372.3	3392.7	3413.1	3435.4	3435.4
25°	3364.8	3370.4	3368.6	3364.8	3351.8	3331.4	3327.7	3331.4	3338.8	3340.7	3327.7
27.5°	3318.4	3322.1	3322.1	3324.0	3307.3	3288.7	3285.0	3281.3	3288.7	3286.8	3266.4
30°	3270.1	3264.6	3266.4	3268.3	3253.4	3236.7	3229.3	3227.4	3234.9	3233.0	3212.6
32.5°	3155.0	3197.7	3201.4	3205.1	3192.1	3177.3	3169.9	3164.3	3168.0	3166.1	3147.6
35°	722.4	735.4	900.6	2039.0	2768.8	3065.9	3097.4	3090.0	3091.9	3091.9	3077.0
37.5°	724.2	722.4	720.5	714.9	709.4	705.7	1220.0	2601.6	3013.9	3015.7	3002.7
40°	724.2	722.4	720.5	716.8	709.4	703.8	694.5	687.1	703.8	1548.7	2833.7
42.5°	727.9	724.2	720.5	716.8	709.4	701.9	694.5	685.2	690.8	687.1	677.8
45°	716.8	714.9	714.9	713.1	709.4	701.9	692.7	681.5	675.9	681.5	672.2
47.5°	681.5	683.4	688.9	690.8	690.8	692.7	687.1	679.7	670.4	675.9	664.8
50°	633.2	636.9	638.8	648.1	651.8	659.2	661.1	661.1	659.2	666.7	659.2
52.5°	581.2	584.9	594.2	597.9	601.7	612.8	616.5	622.1	625.8	636.9	644.4
55°	531.1	533.0	536.7	544.1	549.7	558.9	564.5	570.1	579.4	584.9	607.2
57.5°	484.7	486.5	494.0	495.8	499.5	507.0	512.5	520.0	527.4	531.1	557.1
60°	440.1	442.0	447.5	449.4	451.2	458.7	464.2	469.8	475.4	479.1	497.7
62.5°	401.1	401.1	406.7	406.7	408.5	414.1	417.8	421.5	427.1	429.0	438.2
65°	362.1	364.0	367.7	367.7	369.5	373.3	375.1	377.0	382.5	382.5	390.0
67.5°	313.8	315.7	321.3	325.0	326.8	334.3	336.1	338.0	341.7	343.5	347.3
70°	267.4	269.3	274.8	276.7	278.5	284.1	287.8	293.4	299.0	304.5	308.3
72.5°	224.7	226.6	232.1	232.1	237.7	239.5	243.3	245.1	250.7	254.4	260.0
75°	183.8	185.7	191.3	191.3	196.8	198.7	200.6	202.4	206.1	209.8	213.6
77.5°	150.4	150.4	157.8	161.6	165.3	165.3	167.1	167.1	167.1	169.0	172.7
80°	118.8	118.8	124.4	128.1	131.8	131.8	133.7	135.6	137.4	137.4	139.3
82.5°	89.1	89.1	94.7	96.6	100.3	100.3	100.3	102.1	104.0	102.1	105.8
85°	61.3	61.3	65.0	66.9	70.6	70.6	70.6	72.4	74.3	72.4	74.3
87.5°	35.3	37.1	39.0	40.9	42.7	44.6	44.6	44.6	46.4	46.4	48.3
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4334.2	4311.9	4310.0	4284.0	4276.6	4278.5	4258.0	4250.6	4217.2	4209.8	4174.5
5°	4350.9	4362.0	4356.5	4354.6	4360.2	4356.5	4341.6	4334.2	4328.6	4313.8	4284.0
7.5°	4167.1	4174.5	4180.1	4204.2	4224.6	4259.9	4297.0	4321.2	4339.8	4343.5	4319.3
10°	3979.5	4014.8	4038.9	4076.1	4105.8	4126.2	4148.5	4168.9	4222.8	4276.6	4308.2
12.5°	3882.9	3892.2	3890.4	3910.8	3931.2	3985.1	4037.1	4066.8	4107.6	4131.8	4189.3
15°	3801.2	3803.1	3808.7	3823.5	3834.7	3853.2	3877.4	3921.9	4003.6	4040.8	4072.3
17.5°	3727.0	3727.0	3730.7	3743.7	3758.5	3775.2	3790.1	3808.7	3849.5	3910.8	3988.8
20°	3608.1	3660.1	3665.7	3663.8	3671.2	3702.8	3706.5	3740.0	3760.4	3784.5	3860.7
22.5°	3431.7	3463.3	3507.8	3576.5	3602.5	3617.4	3628.5	3643.4	3675.0	3702.8	3734.4
25°	3335.1	3355.6	3368.6	3389.0	3442.8	3530.1	3546.8	3563.5	3584.0	3604.4	3643.4
27.5°	3249.7	3247.9	3257.1	3275.7	3290.6	3337.0	3418.7	3483.7	3487.4	3517.1	3550.5
30°	3188.4	3177.3	3164.3	3160.6	3181.0	3205.1	3229.3	3331.4	3402.0	3416.8	3452.1
32.5°	3130.9	3112.3	3093.7	3078.9	3065.9	3086.3	3101.2	3145.7	3236.7	3322.1	3340.7
35°	3060.3	3041.7	3019.4	3002.7	2982.3	2980.4	2978.6	3021.3	3051.0	3153.1	3242.3
37.5°	2987.9	2967.4	2948.9	2930.3	2909.9	2895.0	2885.7	2896.9	2924.7	2969.3	3117.9
40°	2911.7	2887.6	2869.0	2854.2	2826.3	2815.2	2796.6	2789.2	2791.0	2830.0	2908.0
42.5°	1740.0	2774.3	2783.6	2766.9	2742.8	2727.9	2707.5	2698.2	2679.6	2698.2	2742.8
45°	670.4	677.8	2029.7	2681.5	2651.8	2633.2	2614.6	2605.3	2584.9	2570.1	2610.9
47.5°	657.4	664.8	649.9	921.1	2531.1	2536.6	2514.3	2505.1	2484.6	2473.5	2462.4
50°	648.1	653.7	642.5	646.2	633.2	2319.4	2412.2	2401.1	2378.8	2365.8	2343.5
52.5°	638.8	638.8	631.4	622.1	618.4	620.2	1951.7	2295.2	2269.2	2256.2	2226.5
55°	609.1	612.8	620.2	605.4	601.7	599.8	594.2	1858.8	2148.5	2133.7	2107.7
57.5°	564.5	571.9	592.4	588.7	588.7	573.8	570.1	570.1	1725.1	2009.2	1983.3
60°	512.5	520.0	542.2	549.7	555.2	551.5	547.8	546.0	538.5	1818.0	1851.4
62.5°	458.7	466.1	473.5	497.7	505.1	514.4	525.5	520.0	512.5	512.5	1712.1
65°	401.1	412.2	416.0	438.2	447.5	464.2	473.5	486.5	482.8	481.0	490.2
67.5°	351.0	364.0	365.8	375.1	391.8	399.2	410.4	434.5	445.7	449.4	453.1
70°	308.3	315.7	321.3	325.0	336.1	338.0	358.4	375.1	391.8	410.4	416.0
72.5°	265.5	271.1	282.3	278.5	282.3	289.7	300.8	312.0	328.7	354.7	371.4
75°	217.3	221.0	228.4	232.1	239.5	245.1	252.5	261.8	276.7	289.7	312.0
77.5°	174.6	176.4	182.0	183.8	191.3	196.8	209.8	215.4	224.7	234.0	247.0
80°	141.1	141.1	143.0	143.0	148.6	154.1	163.4	169.0	180.1	187.6	187.6
82.5°	107.7	107.7	113.3	113.3	117.0	117.0	122.6	122.6	128.1	131.8	135.6
85°	76.1	78.0	81.7	79.8	83.6	81.7	85.4	89.1	91.0	89.1	87.3
87.5°	50.1	50.1	53.9	52.0	53.9	53.9	57.6	57.6	59.4	59.4	57.6
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4161.5	4133.6	4116.9	4096.5	4090.9	4085.3	4092.8	4092.8	4081.6	4072.3	4055.6
5°	4258.0	4228.3	4196.8	4163.3	4131.8	4098.3	4085.3	4083.5	4063.1	4051.9	4046.4
7.5°	4308.2	4293.3	4258.0	4211.6	4163.3	4103.9	4077.9	4063.1	4042.6	4038.9	4038.9
10°	4313.8	4297.0	4278.5	4245.0	4189.3	4111.3	4061.2	4031.5	4012.9	4025.9	4050.1
12.5°	4259.9	4291.5	4274.8	4252.5	4207.9	4113.2	4040.8	3996.2	3990.6	4024.1	4087.2
15°	4122.5	4215.3	4261.8	4239.5	4204.2	4109.5	4007.4	3955.4	3955.4	4024.1	4105.8
17.5°	4018.5	4090.9	4204.2	4222.8	4181.9	4102.1	3975.8	3914.5	3931.2	4031.5	4118.8
20°	3933.1	3977.6	4087.2	4191.2	4152.2	4085.3	3929.4	3866.2	3899.7	4020.4	4137.3
22.5°	3799.4	3888.5	3955.4	4109.5	4122.5	4053.8	3882.9	3806.8	3873.7	4020.4	4128.1
25°	3669.4	3777.1	3847.7	3998.1	4077.9	4014.8	3840.2	3743.7	3845.8	4014.8	4120.6
27.5°	3578.4	3628.5	3756.7	3864.4	4011.1	3962.8	3782.7	3675.0	3810.5	3985.1	4077.9
30°	3481.8	3515.3	3641.5	3743.7	3921.9	3903.4	3723.2	3598.8	3765.9	3957.2	3966.5
32.5°	3376.0	3413.1	3478.1	3626.7	3797.5	3847.7	3656.4	3522.7	3717.7	3914.5	3836.5
35°	3268.3	3296.1	3348.1	3507.8	3652.7	3764.1	3574.7	3435.4	3684.2	3849.5	3712.1
37.5°	3160.6	3190.3	3234.9	3368.6	3500.4	3686.1	3504.1	3348.1	3623.0	3734.4	3582.1
40°	3058.4	3075.2	3121.6	3205.1	3374.1	3606.2	3424.3	3257.1	3559.8	3587.7	3405.7
42.5°	2870.9	2954.4	2997.2	3064.0	3231.1	3496.7	3331.4	3160.6	3489.3	3441.0	3229.3
45°	2668.5	2850.5	2869.0	2935.9	3104.9	3379.7	3244.1	3065.9	3422.4	3314.7	3062.2
47.5°	2503.2	2635.0	2742.8	2798.5	2954.4	3242.3	3162.4	2986.0	3322.1	3155.0	2898.7
50°	2356.5	2427.1	2622.1	2662.9	2774.3	3077.0	3065.9	2893.2	3182.9	2954.4	2739.0
52.5°	2213.5	2263.7	2440.1	2527.3	2618.3	2898.7	2950.7	2802.2	3030.6	2753.9	2577.5
55°	2089.1	2105.8	2202.4	2386.2	2467.9	2718.6	2824.5	2696.3	2837.5	2562.6	2421.5
57.5°	1961.0	1946.1	2016.7	2252.5	2311.9	2534.8	2690.8	2588.6	2681.5	2367.6	2259.9
60°	1827.3	1806.8	1836.5	1992.5	2146.7	2352.8	2532.9	2469.8	2492.1	2174.5	2079.8
62.5°	1688.0	1667.6	1658.3	1756.7	1985.1	2165.2	2373.2	2337.9	2259.9	1998.1	1857.0
65°	1543.1	1522.7	1507.9	1546.9	1806.8	1922.0	2194.9	2185.7	2005.5	1812.4	1563.6
67.5°	469.8	1385.3	1353.7	1351.9	1522.7	1701.0	2001.8	1987.0	1749.3	1613.7	1346.3
70°	423.4	1123.5	1194.0	1177.3	1251.6	1476.3	1780.8	1769.7	1500.4	1294.3	1190.3
72.5°	388.1	397.4	1054.8	1036.2	1052.9	1255.3	1550.6	1520.9	1272.0	1021.3	1028.8
75°	332.4	349.1	364.0	874.6	852.4	1039.9	1299.9	1253.5	1049.2	843.1	859.8
77.5°	271.1	291.5	302.7	636.9	688.9	740.9	1038.0	976.8	722.4	674.1	321.3
80°	202.4	219.1	237.7	254.4	523.7	518.1	770.6	709.4	503.2	419.7	250.7
82.5°	148.6	154.1	165.3	183.8	208.0	347.3	495.8	436.4	349.1	191.3	172.7
85°	92.8	100.3	105.8	111.4	126.3	208.0	245.1	195.0	146.7	117.0	109.6
87.5°	59.4	59.4	57.6	59.4	61.3	74.3	83.6	79.8	63.1	59.4	59.4
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4037.1	4011.1	4011.1	4003.6	4009.2	4009.2	4007.4	4009.2	4022.2	4029.6	4042.6
5°	4035.2	4027.8	4044.5	4064.9	4089.1	4118.8	4126.2	4152.2	4176.3	4207.9	4241.3
7.5°	4059.4	4085.3	4116.9	4150.3	4198.6	4233.9	4265.5	4297.0	4319.3	4349.0	4367.6
10°	4094.6	4146.6	4200.5	4243.2	4295.2	4324.9	4345.3	4349.0	4317.5	4267.3	4226.5
12.5°	4144.8	4206.1	4256.2	4297.0	4321.2	4310.0	4250.6	4189.3	4154.1	4102.1	4029.6
15°	4187.5	4243.2	4295.2	4278.5	4213.5	4152.2	4105.8	4033.4	3962.8	3914.5	3882.9
17.5°	4206.1	4259.9	4241.3	4154.1	4092.8	4022.2	3927.5	3871.8	3825.4	3788.2	3769.7
20°	4217.2	4207.9	4107.6	4044.5	3925.6	3860.7	3799.4	3747.4	3712.1	3693.5	3689.8
22.5°	4187.5	4074.2	3988.8	3875.5	3788.2	3734.4	3686.1	3643.4	3619.2	3604.4	3595.1
25°	4089.1	3957.2	3830.9	3741.8	3667.5	3621.1	3584.0	3548.7	3519.0	3511.5	3493.0
27.5°	3951.6	3843.9	3676.8	3608.1	3543.1	3520.8	3480.0	3444.7	3418.7	3396.4	3337.0
30°	3838.4	3667.5	3546.8	3483.7	3444.7	3418.7	3372.3	3335.1	3290.6	3208.9	3175.4
32.5°	3699.1	3530.1	3415.0	3379.7	3331.4	3309.1	3257.1	3175.4	3106.7	3073.3	3071.4
35°	3519.0	3379.7	3296.1	3264.6	3225.6	3188.4	3080.7	3006.4	2973.0	2976.7	3004.6
37.5°	3368.6	3244.1	3190.3	3145.7	3101.2	3006.4	2915.5	2880.2	2889.5	2908.0	2921.0
40°	3216.3	3121.6	3060.3	3025.0	2924.7	2831.9	2783.6	2796.6	2813.3	2826.3	2843.0
42.5°	3067.7	3000.9	2939.6	2870.9	2733.5	2683.3	2694.5	2711.2	2726.0	2744.6	2761.3
45°	2926.6	2867.2	2796.6	2640.6	2571.9	2584.9	2601.6	2614.6	2636.9	2649.9	2666.6
47.5°	2792.9	2729.8	2605.3	2467.9	2460.5	2486.5	2501.3	2518.1	2534.8	2501.3	1379.7
50°	2642.5	2577.5	2388.1	2336.1	2352.8	2376.9	2395.5	2412.2	2148.5	854.2	657.4
52.5°	2493.9	2328.6	2207.9	2222.8	2239.5	2267.4	2280.4	1693.6	674.1	642.5	644.4
55°	2328.6	2117.0	2081.7	2100.2	2115.1	2143.0	1420.6	622.1	618.4	616.5	631.4
57.5°	2068.7	1940.5	1955.4	1974.0	1988.8	1403.9	605.4	601.7	603.5	605.4	607.2
60°	1836.5	1808.7	1825.4	1842.1	1303.6	584.9	573.8	575.7	583.1	577.5	562.7
62.5°	1652.7	1675.0	1691.7	1481.9	555.2	549.7	555.2	549.7	536.7	527.4	508.8
65°	1511.6	1533.9	1546.9	521.8	520.0	527.4	521.8	503.2	482.8	456.8	451.2
67.5°	1363.0	1385.3	495.8	482.8	490.2	481.0	458.7	436.4	421.5	399.2	390.0
70°	1208.9	518.1	449.4	447.5	434.5	419.7	395.5	373.3	354.7	345.4	336.1
72.5°	872.8	410.4	404.8	390.0	367.7	347.3	326.8	313.8	304.5	299.0	293.4
75°	364.0	356.5	339.8	313.8	291.5	282.3	267.4	258.1	254.4	243.3	239.5
77.5°	304.5	289.7	265.5	247.0	234.0	228.4	217.3	206.1	200.6	198.7	191.3
80°	234.0	213.6	202.4	193.1	189.4	176.4	163.4	157.8	154.1	152.3	146.7
82.5°	159.7	152.3	144.8	131.8	131.8	126.3	120.7	117.0	113.3	113.3	109.6
85°	104.0	98.4	96.6	91.0	91.0	87.3	85.4	83.6	81.7	79.8	78.0
87.5°	59.4	59.4	61.3	59.4	59.4	57.6	55.7	53.9	52.0	52.0	48.3
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4059.4	4077.9	4081.6	4144.8	4180.1	4178.2	4167.1	4200.5	4180.1	4168.9	4180.1
5°	4274.8	4297.0	4315.6	4384.3	4408.5	4419.6	4417.7	4436.3	4421.5	4408.5	4408.5
7.5°	4380.6	4388.0	4395.5	4378.8	4367.6	4349.0	4321.2	4280.3	4259.9	4237.6	4209.8
10°	4206.1	4181.9	4191.2	4157.8	4129.9	4109.5	4083.5	4050.1	4022.2	4001.8	3970.2
12.5°	3992.5	3990.6	3994.4	3999.9	3972.1	3955.4	3934.9	3910.8	3890.4	3868.1	3842.1
15°	3862.5	3864.4	3879.2	3873.7	3864.4	3855.1	3832.8	3825.4	3806.8	3782.7	3767.8
17.5°	3769.7	3778.9	3793.8	3786.4	3771.5	3762.2	3745.5	3728.8	3712.1	3693.5	3671.2
20°	3688.0	3697.2	3706.5	3697.2	3669.4	3656.4	3634.1	3582.1	3545.0	3507.8	3474.4
22.5°	3598.8	3604.4	3597.0	3567.3	3496.7	3463.3	3437.3	3422.4	3390.8	3370.4	3350.0
25°	3487.4	3455.8	3407.6	3374.1	3346.3	3331.4	3320.3	3318.4	3314.7	3311.0	3301.7
27.5°	3305.4	3294.3	3268.3	3255.3	3257.1	3262.7	3264.6	3270.1	3264.6	3257.1	3249.7
30°	3169.9	3175.4	3177.3	3181.0	3190.3	3195.9	3197.7	3205.1	3201.4	3195.9	3192.1
32.5°	3084.4	3097.4	3104.9	3116.0	3121.6	3130.9	3130.9	3142.0	3130.9	3129.0	3125.3
35°	3013.9	3025.0	3028.7	3045.4	3051.0	3060.3	3060.3	3069.6	3060.3	2965.6	2341.6
37.5°	2943.3	2954.4	2961.9	2976.7	2978.6	2984.2	2753.9	2014.8	1299.9	1006.5	768.8
40°	2859.7	2872.7	2880.2	2885.7	2027.8	1286.9	885.8	720.5	720.5	726.1	731.6
42.5°	2770.6	2779.9	1936.8	1127.2	701.9	700.1	705.7	711.2	716.8	724.2	731.6
45°	2178.2	1099.3	698.2	681.5	687.1	694.5	701.9	709.4	718.6	726.1	729.8
47.5°	714.9	670.4	679.7	672.2	681.5	690.8	698.2	705.7	707.5	709.4	707.5
50°	661.1	661.1	666.7	666.7	674.1	677.8	677.8	677.8	670.4	668.5	662.9
52.5°	638.8	653.7	646.2	649.9	646.2	640.7	635.1	629.5	618.4	614.7	607.2
55°	627.7	633.2	614.7	609.1	601.7	586.8	579.4	571.9	562.7	558.9	549.7
57.5°	601.7	588.7	568.2	558.9	546.0	531.1	523.7	518.1	508.8	505.1	499.5
60°	553.4	527.4	514.4	503.2	488.4	475.4	469.8	466.1	458.7	456.8	451.2
62.5°	494.0	471.7	460.5	445.7	434.5	427.1	421.5	419.7	412.2	412.2	408.5
65°	429.0	417.8	408.5	393.7	388.1	380.7	378.8	377.0	373.3	371.4	367.7
67.5°	377.0	369.5	356.5	349.1	345.4	339.8	336.1	332.4	325.0	321.3	315.7
70°	330.5	325.0	312.0	306.4	299.0	289.7	284.1	280.4	274.8	271.1	265.5
72.5°	286.0	269.3	260.0	254.4	248.8	239.5	237.7	234.0	228.4	226.6	221.0
75°	230.3	217.3	211.7	208.0	202.4	196.8	196.8	196.8	191.3	189.4	187.6
77.5°	183.8	176.4	172.7	169.0	167.1	163.4	157.8	156.0	150.4	150.4	148.6
80°	141.1	137.4	133.7	131.8	130.0	126.3	122.6	120.7	115.1	115.1	113.3
82.5°	104.0	102.1	100.3	98.4	96.6	94.7	89.1	87.3	83.6	83.6	81.7
85°	74.3	72.4	68.7	66.9	66.9	65.0	59.4	57.6	53.9	53.9	53.9
87.5°	46.4	44.6	42.7	40.9	39.0	37.1	33.4	31.6	31.6	27.9	26.0
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4157.8	4189.3	4185.6	4207.9	4213.5	4224.6	4228.3	4230.2	4202.3	4224.6	4226.5
5°	4402.9	4408.5	4412.2	4421.5	4430.7	4432.6	4423.3	4412.2	4415.9	4408.5	4389.9
7.5°	4206.1	4178.2	4172.6	4165.2	4161.5	4157.8	4141.1	4155.9	4139.2	4131.8	4105.8
10°	3964.6	3938.6	3936.8	3936.8	3942.4	3940.5	3936.8	3929.4	3944.2	3934.9	3929.4
12.5°	3838.4	3829.1	3834.7	3830.9	3845.8	3849.5	3845.8	3845.8	3842.1	3834.7	3838.4
15°	3762.2	3754.8	3760.4	3754.8	3765.9	3767.8	3758.5	3764.1	3754.8	3745.5	3741.8
17.5°	3662.0	3645.2	3632.2	3613.7	3615.5	3611.8	3600.7	3600.7	3591.4	3567.3	3569.1
20°	3468.8	3452.1	3444.7	3444.7	3454.0	3457.7	3455.8	3459.5	3450.3	3446.5	3431.7
22.5°	3348.1	3346.3	3350.0	3359.3	3374.1	3394.6	3396.4	3396.4	3396.4	3394.6	3376.0
25°	3305.4	3305.4	3309.1	3322.1	3333.3	3348.1	3351.8	3355.6	3351.8	3351.8	3335.1
27.5°	3257.1	3253.4	3260.9	3273.8	3286.8	3298.0	3307.3	3309.1	3303.6	3303.6	3309.1
30°	3197.7	3195.9	3205.1	3218.1	3229.3	3240.4	3249.7	3257.1	3249.7	3249.7	3244.1
32.5°	3136.4	3136.4	3140.1	3062.2	2839.3	2557.1	2562.6	2399.2	2285.9	2143.0	2332.4
35°	1957.3	1424.3	1223.7	1036.2	904.3	818.9	817.1	789.2	776.2	766.9	765.1
37.5°	739.1	742.8	750.2	753.9	759.5	763.2	765.1	765.1	765.1	765.1	763.2
40°	737.2	744.6	750.2	755.8	761.4	765.1	765.1	766.9	768.8	768.8	768.8
42.5°	739.1	746.5	753.9	759.5	763.2	765.1	766.9	768.8	768.8	768.8	768.8
45°	737.2	740.9	740.9	742.8	742.8	742.8	744.6	744.6	742.8	740.9	744.6
47.5°	709.4	709.4	703.8	701.9	700.1	696.4	698.2	696.4	694.5	692.7	696.4
50°	661.1	653.7	649.9	646.2	644.4	640.7	642.5	640.7	638.8	635.1	640.7
52.5°	603.5	601.7	594.2	590.5	588.7	590.5	586.8	584.9	583.1	581.2	583.1
55°	547.8	540.4	538.5	534.8	533.0	534.8	533.0	531.1	529.2	527.4	529.2
57.5°	497.7	492.1	490.2	486.5	486.5	486.5	486.5	484.7	482.8	481.0	482.8
60°	449.4	445.7	443.8	443.8	442.0	442.0	442.0	440.1	438.2	438.2	440.1
62.5°	408.5	408.5	403.0	401.1	401.1	403.0	401.1	399.2	397.4	395.5	399.2
65°	365.8	358.4	356.5	352.8	349.1	351.0	349.1	347.3	345.4	343.5	347.3
67.5°	313.8	312.0	304.5	300.8	299.0	300.8	299.0	297.1	295.3	293.4	297.1
70°	263.7	263.7	256.3	254.4	252.5	252.5	250.7	250.7	248.8	247.0	250.7
72.5°	219.1	219.1	217.3	213.6	211.7	209.8	208.0	206.1	206.1	208.0	208.0
75°	182.0	178.3	170.8	172.7	170.8	169.0	169.0	167.1	165.3	169.0	167.1
77.5°	143.0	141.1	135.6	137.4	135.6	133.7	133.7	131.8	130.0	131.8	131.8
80°	107.7	107.7	105.8	104.0	104.0	102.1	100.3	100.3	98.4	100.3	100.3
82.5°	78.0	78.0	76.1	74.3	72.4	72.4	70.6	70.6	70.6	70.6	70.6
85°	50.1	48.3	48.3	44.6	44.6	44.6	42.7	42.7	42.7	42.7	42.7
87.5°	24.1	24.1	22.3	22.3	20.4	18.6	18.6	16.7	16.7	18.6	18.6
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4193.1	4217.2	4196.8	4206.1	4207.9	4239.5	4237.6	4245.0	4232.0	4217.2	4196.8
5°	4406.6	4395.5	4380.6	4415.9	4397.3	4419.6	4427.0	4441.9	4441.9	4440.0	4423.3
7.5°	4133.6	4109.5	4128.1	4141.1	4146.6	4131.8	4161.5	4194.9	4222.8	4239.5	4241.3
10°	3920.1	3927.5	3925.6	3931.2	3944.2	3942.4	3960.9	3979.5	3986.9	3998.1	4001.8
12.5°	3819.8	3817.9	3821.7	3834.7	3842.1	3840.2	3858.8	3869.9	3873.7	3875.5	3873.7
15°	3740.0	3727.0	3736.2	3738.1	3743.7	3743.7	3765.9	3782.7	3790.1	3793.8	3790.1
17.5°	3589.5	3558.0	3587.7	3587.7	3608.1	3604.4	3639.7	3667.5	3682.4	3693.5	3693.5
20°	3441.0	3426.1	3437.3	3433.5	3448.4	3446.5	3468.8	3487.4	3500.4	3509.7	3520.8
22.5°	3381.6	3385.3	3368.6	3370.4	3370.4	3368.6	3379.7	3389.0	3392.7	3398.3	3394.6
25°	3342.6	3346.3	3340.7	3331.4	3327.7	3331.4	3337.0	3348.1	3350.0	3346.3	3333.3
27.5°	3303.6	3292.4	3301.7	3285.0	3281.3	3288.7	3296.1	3298.0	3299.8	3299.8	3288.7
30°	3244.1	3234.9	3244.1	3236.7	3229.3	3236.7	3242.3	3242.3	3246.0	3247.9	3234.9
32.5°	2267.4	2285.9	2586.8	2768.8	3025.0	3155.0	3179.1	3179.1	3182.9	3182.9	3171.7
35°	772.5	774.4	837.5	908.1	1058.5	1244.2	1487.4	1613.7	2040.8	2551.5	3045.4
37.5°	763.2	761.4	759.5	757.6	755.8	753.9	750.2	748.4	759.5	900.6	1221.9
40°	766.9	765.1	761.4	759.5	757.6	753.9	752.1	748.4	744.6	740.9	737.2
42.5°	766.9	765.1	763.2	761.4	759.5	757.6	753.9	750.2	746.5	740.9	735.4
45°	740.9	740.9	742.8	742.8	744.6	744.6	744.6	742.8	742.8	740.9	733.5
47.5°	692.7	692.7	698.2	698.2	701.9	705.7	705.7	709.4	714.9	718.6	720.5
50°	636.9	636.9	642.5	644.4	648.1	653.7	659.2	661.1	666.7	674.1	681.5
52.5°	581.2	581.2	586.8	586.8	590.5	596.1	601.7	603.5	610.9	618.4	627.7
55°	529.2	529.2	533.0	534.8	536.7	540.4	546.0	546.0	553.4	558.9	568.2
57.5°	482.8	486.5	486.5	486.5	488.4	492.1	495.8	495.8	501.4	507.0	514.4
60°	438.2	442.0	442.0	442.0	443.8	445.7	449.4	449.4	453.1	456.8	464.2
62.5°	397.4	401.1	401.1	403.0	403.0	404.8	408.5	406.7	410.4	412.2	417.8
65°	345.4	349.1	351.0	352.8	354.7	358.4	364.0	362.1	367.7	371.4	377.0
67.5°	295.3	299.0	299.0	300.8	302.7	306.4	310.1	310.1	315.7	319.4	326.8
70°	248.8	252.5	252.5	254.4	256.3	260.0	263.7	261.8	267.4	271.1	276.7
72.5°	206.1	209.8	209.8	211.7	211.7	215.4	219.1	222.8	222.8	226.6	230.3
75°	167.1	169.0	170.8	170.8	172.7	174.6	178.3	182.0	183.8	185.7	189.4
77.5°	131.8	133.7	135.6	135.6	137.4	139.3	141.1	148.6	152.3	154.1	154.1
80°	100.3	102.1	102.1	102.1	104.0	105.8	109.6	109.6	117.0	117.0	118.8
82.5°	70.6	72.4	72.4	72.4	74.3	78.0	79.8	81.7	85.4	87.3	87.3
85°	42.7	44.6	44.6	44.6	46.4	48.3	52.0	53.9	55.7	55.7	57.6
87.5°	16.7	18.6	20.4	20.4	22.3	24.1	26.0	27.9	29.7	29.7	31.6
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4174.5	4187.5	4174.5	4181.9	4191.2	4174.5	4135.5	4120.6	4115.1	4092.8	4077.9
5°	4406.6	4406.6	4401.0	4415.9	4414.0	4388.0	4347.2	4328.6	4310.0	4285.9	4267.3
7.5°	4241.3	4256.2	4265.5	4323.0	4360.2	4363.9	4389.9	4395.5	4402.9	4395.5	4384.3
10°	4003.6	3998.1	4024.1	4077.9	4109.5	4126.2	4176.3	4200.5	4220.9	4261.8	4304.5
12.5°	3869.9	3877.4	3888.5	3927.5	3957.2	3949.8	3970.2	3986.9	4011.1	4051.9	4113.2
15°	3780.8	3788.2	3799.4	3829.1	3847.7	3838.4	3849.5	3860.7	3877.4	3897.8	3934.9
17.5°	3684.2	3697.2	3710.2	3741.8	3758.5	3756.7	3765.9	3769.7	3775.2	3788.2	3814.2
20°	3533.8	3574.7	3600.7	3643.4	3667.5	3663.8	3680.5	3686.1	3693.5	3706.5	3717.7
22.5°	3396.4	3407.6	3420.6	3467.0	3507.8	3558.0	3569.1	3584.0	3602.5	3615.5	3626.7
25°	3318.4	3311.0	3316.6	3348.1	3370.4	3374.1	3390.8	3439.1	3489.3	3511.5	3537.5
27.5°	3272.0	3264.6	3262.7	3277.6	3281.3	3272.0	3268.3	3283.1	3320.3	3357.4	3435.4
30°	3221.9	3212.6	3205.1	3218.1	3223.7	3210.7	3186.6	3173.6	3195.9	3205.1	3236.7
32.5°	3162.4	3153.1	3149.4	3156.9	3160.6	3149.4	3123.4	3108.6	3104.9	3097.4	3104.9
35°	3095.6	3086.3	3080.7	3082.6	3090.0	3080.7	3058.4	3039.9	3030.6	3010.2	2995.3
37.5°	1595.1	2259.9	2934.0	3004.6	3012.0	3010.2	2987.9	2967.4	2958.2	2934.0	2926.6
40°	729.8	815.2	1223.7	1598.9	2306.4	2930.3	2909.9	2889.5	2872.7	2865.3	2837.5
42.5°	727.9	729.8	731.6	722.4	895.1	1524.6	2250.7	2809.6	2798.5	2779.9	2759.5
45°	727.9	718.6	726.1	714.9	718.6	716.8	893.2	1441.0	2564.5	2679.6	2670.3
47.5°	720.5	714.9	722.4	713.1	701.9	707.5	700.1	709.4	1106.8	1877.4	2571.9
50°	687.1	690.8	703.8	701.9	692.7	700.1	687.1	698.2	688.9	755.8	1455.9
52.5°	636.9	644.4	657.4	668.5	672.2	681.5	677.8	681.5	674.1	675.9	677.8
55°	577.5	586.8	597.9	614.7	622.1	636.9	648.1	653.7	662.9	661.1	646.2
57.5°	521.8	531.1	540.4	557.1	573.8	581.2	601.7	612.8	636.9	631.4	627.7
60°	469.8	477.2	486.5	490.2	510.7	523.7	542.2	553.4	584.9	592.4	603.5
62.5°	423.4	427.1	434.5	440.1	453.1	466.1	475.4	494.0	510.7	534.8	551.5
65°	380.7	384.4	390.0	393.7	395.5	414.1	419.7	440.1	445.7	471.7	486.5
67.5°	332.4	339.8	347.3	351.0	354.7	365.8	369.5	378.8	391.8	403.0	421.5
70°	282.3	287.8	295.3	300.8	308.3	315.7	326.8	332.4	341.7	349.1	364.0
72.5°	235.8	241.4	245.1	250.7	256.3	261.8	271.1	284.1	291.5	304.5	308.3
75°	191.3	196.8	200.6	204.3	209.8	213.6	217.3	230.3	237.7	248.8	260.0
77.5°	157.8	157.8	161.6	172.7	170.8	170.8	174.6	182.0	187.6	195.0	206.1
80°	122.6	124.4	126.3	135.6	137.4	139.3	137.4	143.0	148.6	150.4	157.8
82.5°	91.0	92.8	92.8	98.4	104.0	104.0	104.0	105.8	111.4	113.3	117.0
85°	61.3	63.1	65.0	66.9	70.6	72.4	74.3	74.3	78.0	79.8	81.7
87.5°	33.4	37.1	39.0	40.9	42.7	44.6	46.4	48.3	50.1	52.0	53.9
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-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4072.3	4063.1	4057.5	4042.6	4038.9	4014.8	4018.5	4014.8	4014.8	4020.4	4038.9
5°	4246.9	4202.3	4191.2	4159.6	4133.6	4089.1	4061.2	4046.4	4024.1	4014.8	4027.8
7.5°	4365.8	4332.3	4304.5	4276.6	4239.5	4187.5	4148.5	4103.9	4066.8	4031.5	4022.2
10°	4345.3	4382.5	4382.5	4365.8	4330.5	4278.5	4232.0	4176.3	4111.3	4055.6	4022.2
12.5°	4172.6	4237.6	4289.6	4328.6	4363.9	4328.6	4282.2	4237.6	4165.2	4083.5	4022.2
15°	3983.2	4050.1	4115.1	4196.8	4282.2	4317.5	4315.6	4263.6	4198.6	4113.2	4027.8
17.5°	3849.5	3895.9	3931.2	4020.4	4124.3	4215.3	4276.6	4280.3	4217.2	4141.1	4029.6
20°	3749.2	3782.7	3812.4	3862.5	3953.5	4064.9	4178.2	4241.3	4230.2	4146.6	4035.2
22.5°	3658.2	3682.4	3706.5	3743.7	3816.1	3888.5	4020.4	4150.3	4206.1	4137.3	4029.6
25°	3567.3	3593.2	3611.8	3637.8	3695.4	3754.8	3847.7	4009.2	4133.6	4129.9	4018.5
27.5°	3459.5	3494.8	3517.1	3552.4	3591.4	3636.0	3699.1	3851.4	4029.6	4092.8	3988.8
30°	3329.6	3381.6	3415.0	3454.0	3487.4	3526.4	3576.5	3669.4	3890.4	4020.4	3957.2
32.5°	3142.0	3234.9	3309.1	3346.3	3383.4	3416.8	3461.4	3539.4	3719.5	3921.9	3921.9
35°	3008.3	3051.0	3117.9	3225.6	3272.0	3305.4	3346.3	3407.6	3522.7	3804.9	3864.4
37.5°	2904.3	2921.0	2954.4	3060.3	3147.6	3201.4	3242.3	3281.3	3394.6	3645.2	3790.1
40°	2826.3	2820.7	2817.0	2867.2	2991.6	3077.0	3123.4	3162.4	3249.7	3454.0	3691.7
42.5°	2735.3	2729.8	2711.2	2724.2	2785.5	2928.5	2999.0	3041.7	3114.1	3253.4	3584.0
45°	2640.6	2631.3	2623.9	2610.9	2633.2	2713.0	2857.9	2921.0	2961.9	3086.3	3448.4
47.5°	2544.1	2531.1	2521.8	2510.6	2497.6	2534.8	2672.2	2785.5	2856.0	2934.0	3285.0
50°	2406.6	2423.4	2412.2	2399.2	2388.1	2380.6	2438.2	2623.9	2711.2	2774.3	3086.3
52.5°	1134.6	2206.1	2298.9	2285.9	2271.1	2258.1	2271.1	2412.2	2570.1	2620.2	2846.7
55°	646.2	982.3	2044.5	2161.5	2148.5	2130.0	2118.8	2167.1	2402.9	2469.8	2627.6
57.5°	622.1	623.9	902.5	1948.0	2020.4	2003.7	1990.7	2001.8	2202.4	2315.6	2436.4
60°	601.7	601.7	601.7	861.6	1862.5	1868.1	1851.4	1832.8	1920.1	2143.0	2243.2
62.5°	557.1	568.2	573.8	573.8	850.5	1725.1	1708.4	1702.8	1706.6	1935.0	2050.1
65°	499.5	525.5	536.7	544.1	544.1	893.2	1561.7	1552.4	1539.4	1626.7	1855.1
67.5°	436.4	462.4	486.5	501.4	503.2	520.0	932.2	1398.3	1379.7	1381.6	1647.1
70°	371.4	393.7	419.7	442.0	462.4	471.7	486.5	1160.6	1221.9	1195.9	1411.3
72.5°	321.3	330.5	349.1	371.4	395.5	417.8	430.8	462.4	1060.3	1032.5	1073.3
75°	267.4	274.8	287.8	302.7	321.3	347.3	369.5	391.8	562.7	865.4	859.8
77.5°	208.0	221.0	235.8	245.1	254.4	273.0	302.7	325.0	347.3	584.9	688.9
80°	159.7	169.0	176.4	185.7	196.8	209.8	221.0	247.0	273.0	293.4	527.4
82.5°	118.8	124.4	130.0	133.7	137.4	144.8	165.3	174.6	191.3	209.8	248.8
85°	83.6	87.3	91.0	92.8	94.7	96.6	104.0	105.8	122.6	126.3	150.4
87.5°	53.9	55.7	59.4	61.3	61.3	63.1	65.0	65.0	65.0	61.3	74.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RW-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	4051.9	4051.9
2.5°	4053.8	4083.5
5°	4048.2	4087.2
7.5°	4033.4	4070.5
10°	4011.1	4055.6
12.5°	3986.9	4029.6
15°	3966.5	3998.1
17.5°	3944.2	3962.8
20°	3914.5	3929.4
22.5°	3884.8	3877.4
25°	3851.4	3834.7
27.5°	3808.7	3777.1
30°	3769.7	3714.0
32.5°	3732.5	3641.5
35°	3682.4	3567.3
37.5°	3630.4	3491.1
40°	3569.1	3403.8
42.5°	3504.1	3316.6
45°	3422.4	3233.0
47.5°	3350.0	3132.7
50°	3249.7	3025.0
52.5°	3127.1	2924.7
55°	2982.3	2802.2
57.5°	2826.3	2674.0
60°	2659.2	2527.3
62.5°	2456.8	2375.1
65°	2219.1	2200.5
67.5°	1909.0	2007.4
70°	1565.4	1786.4
72.5°	1309.2	1552.4
75°	1073.3	1290.6
77.5°	850.5	1012.1
80°	531.1	740.9
82.5°	356.5	486.5
85°	215.4	232.1
87.5°	83.6	85.4
90°	0.0	0.0

(END OF REPORT)