

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-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-LD5-130HL-RW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WHITE REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

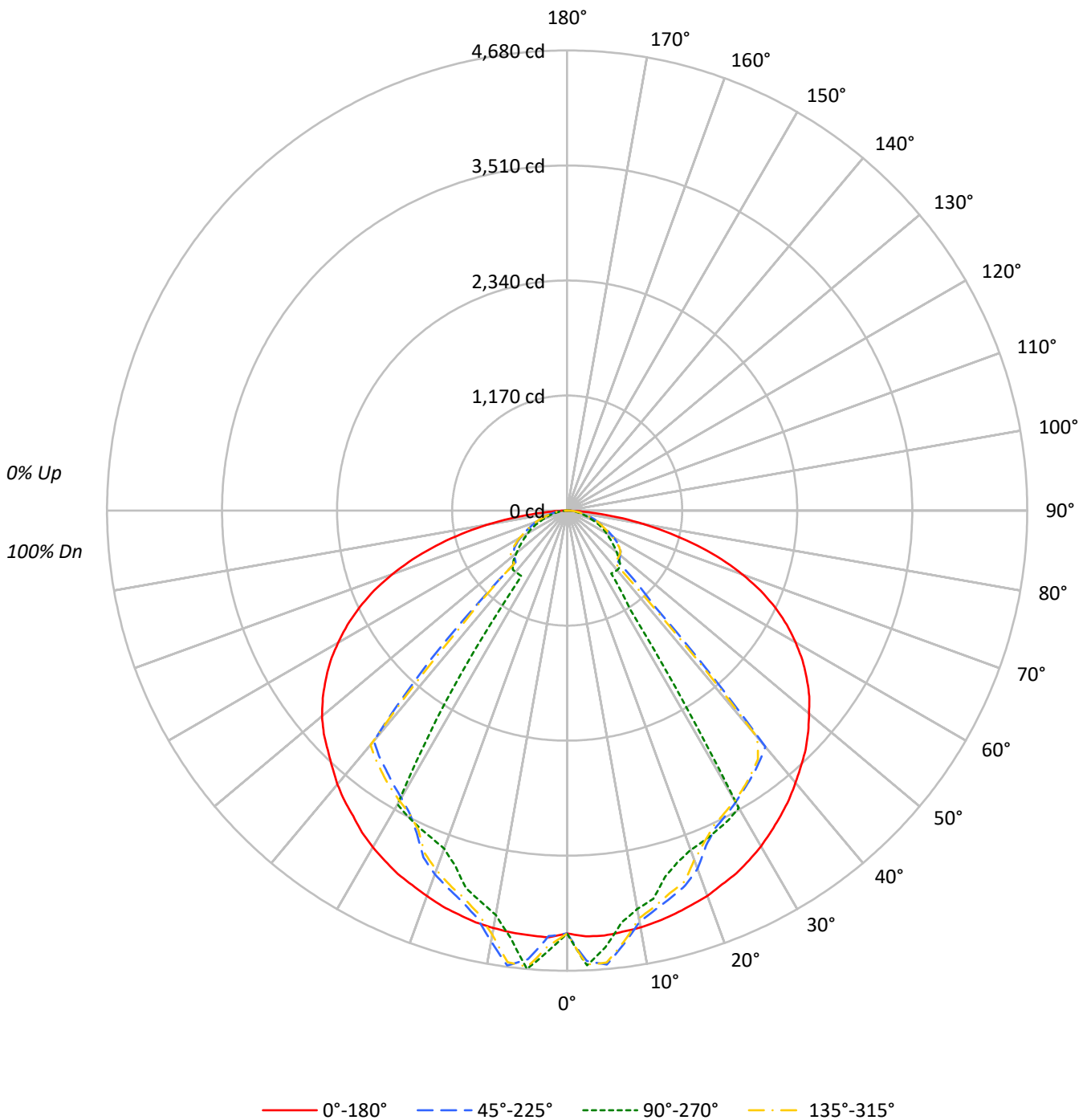
Lumens per Lamp: N/A
Luminaire Lumens: 8613.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 86
Input Voltage (V): NR
Input Current (A_{in}): 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-LD5-130HL-RW-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RW-UNV-L935-CD1-U

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					87			
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	72	91	83	76	71	80	74	70	77	73	69	75	71	67	65					65			
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57					57			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51					51			
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	46					46			
7	70	58	50	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41					41			
8	66	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37					37			
9	62	49	41	36	60	48	41	36	47	41	36	46	40	36	45	40	36	34					34			
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31					31			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17379	17379	17379	17379
5°	17573	17510	17565	18377
10°	17615	15830	17639	16073
15°	17678	14647	17720	15111
20°	17833	13892	17833	13840
25°	18016	13626	18042	13499
30°	18229	13386	18274	13228
35°	18475	3049	18514	3180
40°	18811	3170	18924	3273
45°	19308	3153	19374	3268
50°	19815	2851	20083	2928
55°	20496	2531	20660	2567
60°	21108	2249	21155	2278
65°	21608	1963	21553	1932
70°	21480	1582	21413	1525
75°	20209	1218	20354	1166
80°	16811	865	17484	791
85°	9692	518	10235	397



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RW-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.2	4.9
10°-20°	1163.5	13.5
20°-30°	1723.4	20.0
30°-40°	1736.5	20.2
40°-50°	1356.5	15.7
50°-60°	1047.8	12.2
60°-70°	703.5	8.2
70°-80°	358.9	4.2
80°-90°	99.8	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°	3310.1	38.4
0°-40°	5046.6	58.6
0°-60°	7450.8	86.5
0°-90°	8613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8613.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4301	4301	4301	4301	4301	
5°	4339	4459	4337	4680	4339	413
15°	4244	3854	4254	3976	4244	1200
25°	4070	3592	4076	3558	4070	1878
35°	3787	781	3794	814	3787	2373
45°	3432	759	3444	786	3432	2646
55°	2974	552	2998	560	2974	2657
65°	2336	371	2330	365	2336	2297
75°	1370	187	1380	179	1370	1433
85°	246	59	260	45	246	339
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4334.6	4350.4	4362.2	4370.1	4374.0	4374.0	4376.0	4378.0	4403.6	4415.4	4423.3
5°	4338.6	4354.3	4378.0	4409.5	4437.1	4460.8	4480.5	4508.1	4535.7	4565.2	4575.1
7.5°	4320.8	4340.5	4387.8	4445.0	4498.2	4535.7	4561.3	4579.0	4592.8	4594.8	4604.7
10°	4305.1	4340.5	4405.6	4480.5	4547.5	4592.8	4592.8	4583.0	4596.8	4543.6	4490.3
12.5°	4277.5	4316.9	4405.6	4504.1	4567.2	4585.0	4577.1	4537.7	4456.8	4391.8	4362.2
15°	4243.9	4297.2	4407.6	4517.9	4571.2	4577.1	4502.2	4401.6	4340.5	4301.1	4251.8
17.5°	4206.5	4277.5	4409.5	4519.9	4539.6	4512.0	4370.1	4307.0	4243.9	4151.3	4084.3
20°	4171.0	4240.0	4393.8	4492.3	4504.1	4380.0	4269.6	4202.6	4096.1	4015.3	3985.7
22.5°	4115.8	4196.6	4380.0	4454.9	4409.5	4265.6	4159.2	4052.7	3956.2	3932.5	3897.0
25°	4070.5	4155.2	4348.4	4409.5	4289.3	4161.2	4037.0	3912.8	3867.5	3833.9	3802.4
27.5°	4009.4	4113.8	4307.0	4326.7	4161.2	4048.8	3867.5	3812.3	3770.9	3733.4	3719.6
30°	3942.4	4070.5	4249.9	4212.4	4054.7	3889.1	3755.1	3703.8	3674.3	3634.9	3619.1
32.5°	3865.5	4005.4	4186.8	4080.3	3940.4	3733.4	3646.7	3607.3	3567.8	3538.3	3439.7
35°	3786.6	3948.3	4111.9	3954.2	3802.4	3615.1	3538.3	3502.8	3465.3	3356.9	3254.4
37.5°	3705.8	3885.2	4021.2	3818.2	3619.1	3492.9	3427.9	3388.5	3303.7	3165.7	3114.5
40°	3613.2	3808.3	3904.9	3678.2	3459.4	3368.7	3307.6	3268.2	3077.0	3015.9	3000.1
42.5°	3520.5	3733.4	3763.0	3542.2	3327.3	3236.7	3185.4	3055.3	2925.2	2893.7	2899.6
45°	3431.8	3652.6	3607.3	3349.0	3189.4	3114.5	3027.7	2848.4	2779.4	2795.1	2799.1
47.5°	3325.4	3556.0	3443.6	3155.9	3047.4	2972.5	2779.4	2670.9	2661.1	2682.8	2694.6
50°	3211.0	3447.6	3270.2	2980.4	2893.7	2805.0	2586.2	2531.0	2542.8	2564.5	2578.3
52.5°	3104.6	3325.4	3090.8	2816.8	2741.9	2538.9	2391.0	2400.9	2420.6	2446.2	2454.1
55°	2974.5	3177.5	2899.6	2651.2	2580.3	2314.2	2247.1	2270.8	2290.5	2312.2	2328.0
57.5°	2838.5	3008.0	2672.9	2465.9	2351.6	2115.1	2121.0	2136.8	2150.6	2176.2	898.9
60°	2682.8	2814.8	2424.5	2294.5	2067.8	1957.4	1963.3	1990.9	2004.7	1119.6	618.9
62.5°	2521.1	2590.1	2199.8	2099.3	1807.6	1799.7	1827.3	1839.1	1251.7	591.4	579.5
65°	2335.8	2322.0	1979.1	1819.4	1630.2	1638.0	1667.6	1608.5	553.9	553.9	550.0
67.5°	2130.8	2048.1	1764.2	1506.0	1458.7	1476.4	1508.0	526.3	512.5	516.4	502.7
70°	1896.3	1780.0	1541.5	1275.4	1291.1	1308.9	508.6	477.0	471.1	461.3	433.7
72.5°	1647.9	1488.2	1261.6	1107.8	1117.7	701.7	445.5	429.7	410.0	390.3	360.7
75°	1370.0	1163.0	926.5	926.5	940.3	400.1	388.3	362.7	341.0	315.4	297.6
77.5°	1074.3	894.9	719.5	747.1	364.7	335.1	313.4	285.8	268.1	252.3	242.5
80°	786.5	624.9	542.1	484.9	283.8	254.3	232.6	216.8	208.9	199.1	187.3
82.5°	516.4	376.5	376.5	228.7	199.1	175.4	169.5	157.7	149.8	143.9	138.0
85°	246.4	218.8	165.6	140.0	124.2	112.4	108.4	102.5	102.5	100.5	98.6
87.5°	90.7	98.6	72.9	71.0	67.0	65.0	67.0	67.0	69.0	67.0	65.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-130HL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4443.0	4458.8	4470.6	4490.3	4516.0	4537.7	4557.4	4585.0	4628.3	4640.2	4650.0
5°	4575.1	4581.0	4594.8	4610.6	4614.5	4624.4	4622.4	4634.2	4640.2	4654.0	4624.4
7.5°	4583.0	4551.5	4514.0	4480.5	4456.8	4435.2	4421.4	4443.0	4454.9	4464.7	4435.2
10°	4417.4	4380.0	4358.3	4338.6	4314.9	4281.4	4236.1	4245.9	4242.0	4242.0	4232.1
12.5°	4312.9	4259.7	4204.5	4155.2	4133.6	4131.6	4133.6	4155.2	4155.2	4153.3	4141.4
15°	4149.3	4098.1	4070.5	4058.7	4058.7	4052.7	4052.7	4076.4	4070.5	4070.5	4064.6
17.5°	4040.9	4005.4	3985.7	3971.9	3966.0	3975.9	3987.7	3997.5	3999.5	3991.6	3960.1
20°	3952.2	3918.7	3895.0	3899.0	3897.0	3902.9	3908.8	3875.3	3833.9	3778.7	3753.1
22.5°	3859.6	3833.9	3816.2	3816.2	3792.5	3755.1	3699.9	3688.1	3682.2	3656.5	3634.9
25°	3770.9	3741.3	3715.7	3636.8	3587.5	3593.5	3583.6	3563.9	3561.9	3559.9	3567.8
27.5°	3682.2	3605.3	3506.7	3494.9	3475.2	3473.2	3485.0	3494.9	3494.9	3502.8	3512.6
30°	3498.8	3410.1	3392.4	3370.7	3378.6	3406.2	3412.1	3425.9	3429.8	3443.6	3451.5
32.5°	3331.3	3291.9	3276.1	3286.0	3311.6	3335.2	3349.0	3354.9	3364.8	3376.6	3386.5
35°	3195.3	3183.5	3197.3	3218.9	3244.6	3264.3	3276.1	3287.9	3297.8	3307.6	3315.5
37.5°	3094.7	3102.6	3122.3	3149.9	3175.6	3191.3	3201.2	3215.0	3228.8	3240.6	3193.3
40°	3000.1	3019.8	3041.5	3071.1	3092.8	3108.5	3118.4	3136.1	3017.9	1366.0	749.0
42.5°	2917.3	2939.0	2954.8	2978.5	3002.1	3013.9	2927.2	1306.9	739.2	735.2	745.1
45°	2816.8	2834.6	2860.2	2877.9	2899.6	1904.2	727.4	735.2	723.4	731.3	735.2
47.5°	2714.3	2741.9	2755.7	2629.6	782.6	723.4	715.5	723.4	715.5	725.4	719.5
50°	2598.0	2631.5	1872.6	707.7	701.7	697.8	705.7	701.7	707.7	715.5	699.8
52.5°	2479.7	1535.5	686.0	682.0	686.0	682.0	695.8	686.0	687.9	680.1	660.3
55°	839.7	664.3	658.4	656.4	668.2	668.2	668.2	652.5	642.6	622.9	609.1
57.5°	642.6	642.6	640.6	642.6	638.7	634.7	617.0	603.2	589.4	561.8	553.9
60°	609.1	609.1	609.1	609.1	591.4	583.5	555.9	544.0	520.4	506.6	498.7
62.5°	581.5	577.6	559.8	553.9	534.2	512.5	496.7	484.9	461.3	453.4	447.5
65°	542.1	528.3	506.6	482.9	473.1	449.4	441.5	423.8	412.0	406.1	402.1
67.5°	477.0	457.3	439.6	423.8	406.1	398.2	388.3	374.5	366.6	362.7	358.8
70°	408.0	394.2	376.5	366.6	354.8	348.9	335.1	331.2	325.2	319.3	313.4
72.5°	341.0	333.1	325.2	311.4	307.5	303.6	289.8	281.9	274.0	266.1	262.2
75°	285.8	279.9	276.0	264.1	258.2	246.4	236.5	230.6	224.7	218.8	214.9
77.5°	234.6	230.6	218.8	210.9	207.0	197.1	193.2	195.1	191.2	183.3	179.4
80°	183.3	179.4	169.5	169.5	165.6	161.6	157.7	153.8	149.8	143.9	140.0
82.5°	140.0	136.0	132.1	128.1	124.2	122.2	120.2	116.3	112.4	108.4	106.4
85°	98.6	96.6	94.6	92.6	90.7	88.7	86.7	82.8	78.8	76.9	74.9
87.5°	67.0	65.0	63.1	61.1	59.1	57.2	55.2	53.2	49.3	47.3	45.3
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4650.0	4659.9	4650.0	4628.3	4614.5	4608.6	4620.4	4620.4	4628.3	4638.2	4640.2
5°	4577.1	4553.4	4525.8	4498.2	4484.4	4476.5	4454.9	4458.8	4464.7	4468.7	4472.6
7.5°	4395.7	4364.2	4326.7	4291.3	4277.5	4265.6	4240.0	4240.0	4240.0	4242.0	4253.8
10°	4210.4	4196.6	4180.9	4157.2	4139.5	4133.6	4111.9	4117.8	4113.8	4119.8	4133.6
12.5°	4123.7	4107.9	4094.1	4070.5	4050.8	4042.9	4033.0	4038.9	4037.0	4046.8	4058.7
15°	4044.9	4037.0	4021.2	4003.5	3985.7	3970.0	3934.5	3922.6	3914.8	3904.9	3918.7
17.5°	3914.8	3859.6	3822.1	3794.5	3774.8	3761.0	3751.2	3751.2	3757.1	3763.0	3774.8
20°	3737.4	3721.6	3703.8	3674.3	3654.6	3646.7	3640.8	3640.8	3650.6	3658.5	3680.2
22.5°	3615.1	3613.2	3607.3	3593.5	3583.6	3583.6	3585.6	3589.5	3603.3	3615.1	3636.8
25°	3558.0	3565.9	3561.9	3554.0	3548.1	3550.1	3546.1	3550.1	3563.9	3575.7	3593.5
27.5°	3512.6	3524.5	3520.5	3508.7	3498.8	3502.8	3508.7	3504.8	3516.6	3530.4	3544.2
30°	3451.5	3453.5	3461.4	3447.6	3443.6	3449.6	3451.5	3455.5	3467.3	3477.2	3489.0
32.5°	3382.5	3398.3	3396.3	3382.5	3382.5	3388.5	3390.4	3258.4	3012.0	2594.1	2479.7
35°	3315.5	3333.3	3303.7	2785.3	1927.8	1029.0	794.4	766.8	772.7	776.6	780.6
37.5°	2452.1	1163.0	741.2	747.1	753.0	758.9	764.8	770.7	776.6	782.6	784.5
40°	737.2	735.2	741.2	749.0	755.0	758.9	766.8	772.7	778.6	784.5	786.5
42.5°	729.3	733.3	739.2	747.1	755.0	762.8	768.8	776.6	780.6	784.5	786.5
45°	725.4	733.3	741.2	747.1	753.0	756.9	760.9	762.8	760.9	760.9	764.8
47.5°	719.5	727.4	729.3	727.4	729.3	727.4	727.4	727.4	721.5	719.5	719.5
50°	697.8	697.8	693.9	686.0	684.0	682.0	678.1	676.1	668.2	666.3	666.3
52.5°	652.5	650.5	644.6	634.7	630.8	626.8	624.9	622.9	615.0	611.1	613.0
55°	599.2	595.3	589.4	577.6	575.6	571.6	569.7	567.7	559.8	563.8	557.8
57.5°	550.0	542.1	534.2	532.2	524.3	522.4	520.4	518.4	512.5	514.5	510.5
60°	490.8	488.9	484.9	477.0	477.0	475.1	475.1	471.1	467.2	465.2	465.2
62.5°	447.5	441.5	437.6	437.6	431.7	431.7	431.7	427.7	423.8	425.8	423.8
65°	400.1	398.2	396.2	392.3	392.3	390.3	390.3	386.4	380.4	382.4	378.5
67.5°	360.7	356.8	352.8	350.9	343.0	339.0	337.1	335.1	327.2	329.2	325.2
70°	311.4	305.5	301.6	297.6	291.7	287.8	287.8	283.8	277.9	279.9	276.0
72.5°	260.2	256.3	252.3	250.3	244.4	242.5	240.5	238.5	232.6	234.6	232.6
75°	216.8	216.8	214.9	212.9	207.0	201.1	197.1	195.1	191.2	193.2	189.2
77.5°	179.4	175.4	171.5	171.5	165.6	161.6	157.7	157.7	157.7	155.7	153.8
80°	140.0	136.0	136.0	134.0	130.1	126.2	124.2	124.2	122.2	122.2	120.2
82.5°	106.4	102.5	100.5	100.5	96.6	94.6	92.6	90.7	90.7	90.7	88.7
85°	74.9	71.0	69.0	69.0	65.0	63.1	63.1	61.1	61.1	59.1	59.1
87.5°	45.3	43.4	41.4	41.4	37.5	35.5	35.5	35.5	33.5	33.5	31.5
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-LD5-130HL-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°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4640.2	4640.2	4626.4	4630.3	4624.4	4632.3	4622.4	4622.4	4634.2	4634.2	4642.1
5°	4474.6	4464.7	4462.7	4458.8	4439.1	4447.0	4437.1	4427.3	4441.1	4441.1	4458.8
7.5°	4247.9	4230.1	4238.0	4226.2	4214.4	4196.6	4202.6	4194.7	4204.5	4218.3	4236.1
10°	4131.6	4115.8	4125.7	4113.8	4119.8	4094.1	4096.1	4098.1	4107.9	4111.9	4127.6
12.5°	4056.7	4052.7	4048.8	4044.9	4048.8	4035.0	4027.1	4029.1	4033.0	4035.0	4046.8
15°	3899.0	3873.4	3881.2	3853.7	3855.6	3857.6	3841.8	3857.6	3855.6	3881.2	3904.9
17.5°	3770.9	3770.9	3757.1	3745.2	3737.4	3735.4	3723.6	3731.4	3723.6	3739.3	3745.2
20°	3682.2	3680.2	3678.2	3672.3	3652.6	3654.6	3660.5	3642.7	3640.8	3638.8	3650.6
22.5°	3640.8	3642.7	3634.9	3634.9	3617.1	3621.1	3623.0	3603.3	3605.3	3599.4	3605.3
25°	3597.4	3601.3	3591.5	3591.5	3587.5	3585.6	3575.7	3579.7	3567.8	3558.0	3567.8
27.5°	3546.1	3554.0	3546.1	3550.1	3542.2	3538.3	3532.4	3528.4	3516.6	3514.6	3520.5
30°	3498.8	3502.8	3500.8	3491.0	3489.0	3477.2	3483.1	3471.2	3459.4	3461.4	3465.3
32.5°	1793.8	1713.0	1320.7	1192.6	1180.7	1224.1	1450.8	1766.2	2288.5	2795.1	3159.8
35°	782.6	782.6	782.6	780.6	780.6	778.6	776.6	774.7	772.7	770.7	768.8
37.5°	786.5	786.5	786.5	786.5	784.5	782.6	782.6	778.6	776.6	774.7	772.7
40°	788.5	790.4	790.4	790.4	788.5	788.5	786.5	782.6	780.6	776.6	772.7
42.5°	786.5	788.5	788.5	786.5	786.5	784.5	784.5	782.6	780.6	778.6	776.6
45°	760.9	762.8	758.9	758.9	756.9	756.9	756.9	756.9	756.9	758.9	758.9
47.5°	715.5	715.5	713.6	711.6	711.6	709.6	711.6	709.6	713.6	715.5	719.5
50°	662.3	662.3	658.4	656.4	656.4	656.4	656.4	658.4	660.3	664.3	668.2
52.5°	607.1	607.1	605.2	603.2	601.2	601.2	607.1	605.2	607.1	609.1	615.0
55°	553.9	555.9	551.9	551.9	550.0	550.0	550.0	551.9	553.9	555.9	561.8
57.5°	508.6	508.6	504.6	504.6	504.6	502.7	508.6	504.6	506.6	508.6	512.5
60°	463.2	461.3	461.3	459.3	459.3	459.3	463.2	461.3	461.3	463.2	467.2
62.5°	421.8	421.8	419.9	419.9	417.9	417.9	421.8	419.9	419.9	421.8	423.8
65°	374.5	374.5	372.6	370.6	376.5	370.6	376.5	372.6	376.5	378.5	382.4
67.5°	321.3	321.3	321.3	319.3	319.3	323.3	325.2	321.3	323.3	327.2	329.2
70°	274.0	274.0	272.0	272.0	272.0	276.0	277.9	274.0	276.0	277.9	281.9
72.5°	232.6	228.7	228.7	226.7	230.6	230.6	232.6	230.6	232.6	232.6	236.5
75°	191.2	187.3	187.3	187.3	191.2	189.2	191.2	189.2	191.2	191.2	193.2
77.5°	153.8	151.8	149.8	149.8	153.8	153.8	153.8	151.8	153.8	155.7	157.7
80°	120.2	118.3	116.3	116.3	120.2	120.2	120.2	122.2	120.2	122.2	124.2
82.5°	88.7	86.7	84.8	88.7	88.7	88.7	88.7	90.7	88.7	90.7	92.6
85°	59.1	57.2	55.2	59.1	59.1	59.1	59.1	61.1	59.1	61.1	63.1
87.5°	31.5	29.6	29.6	31.5	31.5	31.5	33.5	33.5	33.5	35.5	35.5
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-LD5-130HL-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°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4654.0	4659.9	4657.9	4646.1	4634.2	4620.4	4610.6	4612.6	4632.3	4638.2	4620.4
5°	4458.8	4496.3	4496.3	4521.9	4508.1	4496.3	4504.1	4547.5	4569.2	4602.7	4614.5
7.5°	4257.7	4275.5	4273.5	4299.1	4295.2	4295.2	4301.1	4358.3	4385.9	4413.5	4421.4
10°	4145.4	4163.1	4161.2	4163.1	4157.2	4143.4	4143.4	4169.0	4192.7	4206.5	4210.4
12.5°	4064.6	4074.4	4072.5	4072.5	4068.5	4056.7	4054.7	4076.4	4102.0	4119.8	4121.7
15°	3944.3	3971.9	3977.8	4003.5	3997.5	3981.8	3985.7	4003.5	4019.2	4035.0	4029.1
17.5°	3765.0	3778.7	3780.7	3790.6	3786.6	3786.6	3810.3	3875.3	3918.7	3956.2	3960.1
20°	3662.4	3672.3	3668.4	3690.0	3680.2	3678.2	3684.1	3711.7	3731.4	3749.2	3780.7
22.5°	3613.2	3621.1	3615.1	3617.1	3599.4	3583.6	3579.7	3601.3	3623.0	3646.7	3646.7
25°	3571.8	3577.7	3575.7	3571.8	3558.0	3536.3	3532.4	3536.3	3544.2	3546.1	3532.4
27.5°	3522.5	3526.4	3526.4	3528.4	3510.7	3491.0	3487.0	3483.1	3491.0	3489.0	3467.3
30°	3471.2	3465.3	3467.3	3469.3	3453.5	3435.8	3427.9	3425.9	3433.8	3431.8	3410.1
32.5°	3349.0	3394.4	3398.3	3402.3	3388.5	3372.7	3364.8	3358.9	3362.8	3360.9	3341.1
35°	766.8	780.6	956.0	2164.4	2939.0	3254.4	3287.9	3280.0	3282.0	3282.0	3266.2
37.5°	768.8	766.8	764.8	758.9	753.0	749.0	1295.1	2761.6	3199.2	3201.2	3187.4
40°	768.8	766.8	764.8	760.9	753.0	747.1	737.2	729.3	747.1	1644.0	3008.0
42.5°	772.7	768.8	764.8	760.9	753.0	745.1	737.2	727.4	733.3	729.3	719.5
45°	760.9	758.9	758.9	756.9	753.0	745.1	735.2	723.4	717.5	723.4	713.6
47.5°	723.4	725.4	731.3	733.3	733.3	735.2	729.3	721.5	711.6	717.5	705.7
50°	672.2	676.1	678.1	687.9	691.9	699.8	701.7	701.7	699.8	707.7	699.8
52.5°	617.0	620.9	630.8	634.7	638.7	650.5	654.4	660.3	664.3	676.1	684.0
55°	563.8	565.7	569.7	577.6	583.5	593.3	599.2	605.2	615.0	620.9	644.6
57.5°	514.5	516.4	524.3	526.3	530.2	538.1	544.0	551.9	559.8	563.8	591.4
60°	467.2	469.1	475.1	477.0	479.0	486.9	492.8	498.7	504.6	508.6	528.3
62.5°	425.8	425.8	431.7	431.7	433.7	439.6	443.5	447.5	453.4	455.3	465.2
65°	384.4	386.4	390.3	390.3	392.3	396.2	398.2	400.1	406.1	406.1	413.9
67.5°	333.1	335.1	341.0	345.0	346.9	354.8	356.8	358.8	362.7	364.7	368.6
70°	283.8	285.8	291.7	293.7	295.7	301.6	305.5	311.4	317.4	323.3	327.2
72.5°	238.5	240.5	246.4	246.4	252.3	254.3	258.2	260.2	266.1	270.1	276.0
75°	195.1	197.1	203.0	203.0	208.9	210.9	212.9	214.9	218.8	222.7	226.7
77.5°	159.7	159.7	167.6	171.5	175.4	175.4	177.4	177.4	177.4	179.4	183.3
80°	126.2	126.2	132.1	136.0	140.0	140.0	141.9	143.9	145.9	145.9	147.8
82.5°	94.6	94.6	100.5	102.5	106.4	106.4	106.4	108.4	110.4	108.4	112.4
85°	65.0	65.0	69.0	71.0	74.9	74.9	74.9	76.9	78.8	76.9	78.8
87.5°	37.5	39.4	41.4	43.4	45.3	47.3	47.3	47.3	49.3	49.3	51.3
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4600.7	4577.1	4575.1	4547.5	4539.6	4541.6	4519.9	4512.0	4476.5	4468.7	4431.2
5°	4618.5	4630.3	4624.4	4622.4	4628.3	4624.4	4608.6	4600.7	4594.8	4579.0	4547.5
7.5°	4423.3	4431.2	4437.1	4462.7	4484.4	4521.9	4561.3	4586.9	4606.6	4610.6	4585.0
10°	4224.2	4261.7	4287.3	4326.7	4358.3	4380.0	4403.6	4425.3	4482.5	4539.6	4573.1
12.5°	4121.7	4131.6	4129.6	4151.3	4173.0	4230.1	4285.3	4316.9	4360.2	4385.9	4447.0
15°	4035.0	4037.0	4042.9	4058.7	4070.5	4090.2	4115.8	4163.1	4249.9	4289.3	4322.8
17.5°	3956.2	3956.2	3960.1	3973.9	3989.7	4007.4	4023.2	4042.9	4086.3	4151.3	4234.1
20°	3830.0	3885.2	3891.1	3889.1	3897.0	3930.5	3934.5	3970.0	3991.6	4017.3	4098.1
22.5°	3642.7	3676.2	3723.6	3796.5	3824.1	3839.9	3851.7	3867.5	3901.0	3930.5	3964.0
25°	3540.2	3561.9	3575.7	3597.4	3654.6	3747.2	3765.0	3782.7	3804.4	3826.1	3867.5
27.5°	3449.6	3447.6	3457.4	3477.2	3492.9	3542.2	3628.9	3697.9	3701.9	3733.4	3768.9
30°	3384.5	3372.7	3358.9	3354.9	3376.6	3402.3	3427.9	3536.3	3611.2	3627.0	3664.4
32.5°	3323.4	3303.7	3284.0	3268.2	3254.4	3276.1	3291.9	3339.2	3435.8	3526.4	3546.1
35°	3248.5	3228.8	3205.1	3187.4	3165.7	3163.7	3161.8	3207.1	3238.6	3347.1	3441.7
37.5°	3171.6	3149.9	3130.2	3110.5	3088.8	3073.1	3063.2	3075.0	3104.6	3151.9	3309.6
40°	3090.8	3065.2	3045.5	3029.7	3000.1	2988.3	2968.6	2960.7	2962.7	3004.1	3086.9
42.5°	1847.0	2944.9	2954.8	2937.1	2911.4	2895.7	2874.0	2864.1	2844.4	2864.1	2911.4
45°	711.6	719.5	2154.5	2846.4	2814.8	2795.1	2775.4	2765.6	2743.9	2728.1	2771.5
47.5°	697.8	705.7	689.9	977.7	2686.7	2692.6	2669.0	2659.1	2637.4	2625.6	2613.8
50°	687.9	693.9	682.0	686.0	672.2	2462.0	2560.6	2548.7	2525.1	2511.3	2487.6
52.5°	678.1	678.1	670.2	660.3	656.4	658.4	2071.7	2436.4	2408.8	2395.0	2363.4
55°	646.5	650.5	658.4	642.6	638.7	636.7	630.8	1973.1	2280.7	2264.9	2237.3
57.5°	599.2	607.1	628.8	624.9	624.9	609.1	605.2	605.2	1831.2	2132.8	2105.2
60°	544.0	551.9	575.6	583.5	589.4	585.4	581.5	579.5	571.6	1929.8	1965.3
62.5°	486.9	494.8	502.7	528.3	536.2	546.0	557.8	551.9	544.0	544.0	1817.4
65°	425.8	437.6	441.5	465.2	475.1	492.8	502.7	516.4	512.5	510.5	520.4
67.5°	372.6	386.4	388.3	398.2	415.9	423.8	435.6	461.3	473.1	477.0	481.0
70°	327.2	335.1	341.0	345.0	356.8	358.8	380.4	398.2	415.9	435.6	441.5
72.5°	281.9	287.8	299.6	295.7	299.6	307.5	319.3	331.2	348.9	376.5	394.2
75°	230.6	234.6	242.5	246.4	254.3	260.2	268.1	277.9	293.7	307.5	331.2
77.5°	185.3	187.3	193.2	195.1	203.0	208.9	222.7	228.7	238.5	248.4	262.2
80°	149.8	149.8	151.8	151.8	157.7	163.6	173.5	179.4	191.2	199.1	199.1
82.5°	114.3	114.3	120.2	120.2	124.2	124.2	130.1	130.1	136.0	140.0	143.9
85°	80.8	82.8	86.7	84.8	88.7	86.7	90.7	94.6	96.6	94.6	92.6
87.5°	53.2	53.2	57.2	55.2	57.2	57.2	61.1	61.1	63.1	63.1	61.1
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-LD5-130HL-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°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4417.4	4387.8	4370.1	4348.4	4342.5	4336.6	4344.5	4344.5	4332.6	4322.8	4305.1
5°	4519.9	4488.4	4454.9	4419.4	4385.9	4350.4	4336.6	4334.6	4312.9	4301.1	4295.2
7.5°	4573.1	4557.4	4519.9	4470.6	4419.4	4356.3	4328.7	4312.9	4291.3	4287.3	4287.3
10°	4579.0	4561.3	4541.6	4506.1	4447.0	4364.2	4311.0	4279.4	4259.7	4273.5	4299.1
12.5°	4521.9	4555.4	4537.7	4514.0	4466.7	4366.2	4289.3	4242.0	4236.1	4271.5	4338.6
15°	4376.0	4474.6	4523.9	4500.2	4462.7	4362.2	4253.8	4198.6	4198.6	4271.5	4358.3
17.5°	4265.6	4342.5	4462.7	4482.5	4439.1	4354.3	4220.3	4155.2	4173.0	4279.4	4372.1
20°	4175.0	4222.3	4338.6	4448.9	4407.6	4336.6	4171.0	4104.0	4139.5	4267.6	4391.8
22.5°	4033.0	4127.6	4198.6	4362.2	4376.0	4303.1	4121.7	4040.9	4111.9	4267.6	4381.9
25°	3895.0	4009.4	4084.3	4243.9	4328.7	4261.7	4076.4	3973.9	4082.3	4261.7	4374.0
27.5°	3798.5	3851.7	3987.7	4102.0	4257.7	4206.5	4015.3	3901.0	4044.9	4230.1	4328.7
30°	3696.0	3731.4	3865.5	3973.9	4163.1	4143.4	3952.2	3820.1	3997.5	4200.6	4210.4
32.5°	3583.6	3623.0	3692.0	3849.7	4031.1	4084.3	3881.2	3739.3	3946.3	4155.2	4072.5
35°	3469.3	3498.8	3554.0	3723.6	3877.3	3995.6	3794.5	3646.7	3910.8	4086.3	3940.4
37.5°	3354.9	3386.5	3433.8	3575.7	3715.7	3912.8	3719.6	3554.0	3845.8	3964.0	3802.4
40°	3246.5	3264.3	3313.6	3402.3	3581.6	3828.0	3634.9	3457.4	3778.7	3808.3	3615.1
42.5°	3047.4	3136.1	3181.5	3252.4	3429.8	3711.7	3536.3	3354.9	3703.8	3652.6	3427.9
45°	2832.6	3025.8	3045.5	3116.4	3295.8	3587.5	3443.6	3254.4	3632.9	3518.6	3250.5
47.5°	2657.1	2797.1	2911.4	2970.6	3136.1	3441.7	3356.9	3169.7	3526.4	3349.0	3077.0
50°	2501.4	2576.3	2783.3	2826.7	2944.9	3266.2	3254.4	3071.1	3378.6	3136.1	2907.5
52.5°	2349.6	2402.9	2590.1	2682.8	2779.4	3077.0	3132.2	2974.5	3217.0	2923.3	2736.0
55°	2217.6	2235.3	2337.8	2533.0	2619.7	2885.8	2998.2	2862.2	3012.0	2720.2	2570.4
57.5°	2081.6	2065.8	2140.7	2391.0	2454.1	2690.7	2856.2	2747.8	2846.4	2513.3	2398.9
60°	1939.6	1918.0	1949.5	2115.1	2278.7	2497.5	2688.7	2621.7	2645.3	2308.2	2207.7
62.5°	1791.8	1770.1	1760.3	1864.7	2107.2	2298.4	2519.2	2481.7	2398.9	2121.0	1971.2
65°	1638.0	1616.4	1600.6	1642.0	1918.0	2040.2	2329.9	2320.1	2128.9	1923.9	1659.7
67.5°	498.7	1470.5	1437.0	1435.0	1616.4	1805.6	2124.9	2109.2	1856.8	1713.0	1429.1
70°	449.4	1192.6	1267.5	1249.7	1328.6	1567.1	1890.4	1878.5	1592.7	1373.9	1263.5
72.5°	412.0	421.8	1119.6	1099.9	1117.7	1332.5	1645.9	1614.4	1350.3	1084.1	1092.0
75°	352.8	370.6	386.4	928.4	904.8	1103.9	1379.8	1330.5	1113.7	894.9	912.7
77.5°	287.8	309.5	321.3	676.1	731.3	786.5	1101.9	1036.8	766.8	715.5	341.0
80°	214.9	232.6	252.3	270.1	555.9	550.0	818.0	753.0	534.2	445.5	266.1
82.5°	157.7	163.6	175.4	195.1	220.8	368.6	526.3	463.2	370.6	203.0	183.3
85°	98.6	106.4	112.4	118.3	134.0	220.8	260.2	207.0	155.7	124.2	116.3
87.5°	63.1	63.1	61.1	63.1	65.0	78.8	88.7	84.8	67.0	63.1	63.1
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-LD5-130HL-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°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4285.3	4257.7	4257.7	4249.9	4255.8	4255.8	4253.8	4255.8	4269.6	4277.5	4291.3
5°	4283.4	4275.5	4293.2	4314.9	4340.5	4372.1	4380.0	4407.6	4433.2	4466.7	4502.2
7.5°	4309.0	4336.6	4370.1	4405.6	4456.8	4494.3	4527.8	4561.3	4585.0	4616.5	4636.2
10°	4346.4	4401.6	4458.8	4504.1	4559.3	4590.9	4612.6	4616.5	4583.0	4529.8	4486.4
12.5°	4399.7	4464.7	4517.9	4561.3	4586.9	4575.1	4512.0	4447.0	4409.5	4354.3	4277.5
15°	4445.0	4504.1	4559.3	4541.6	4472.6	4407.6	4358.3	4281.4	4206.5	4155.2	4121.7
17.5°	4464.7	4521.9	4502.2	4409.5	4344.5	4269.6	4169.0	4109.9	4060.6	4021.2	4001.5
20°	4476.5	4466.7	4360.2	4293.2	4167.1	4098.1	4033.0	3977.8	3940.4	3920.7	3916.7
22.5°	4445.0	4324.8	4234.1	4113.8	4021.2	3964.0	3912.8	3867.5	3841.8	3826.1	3816.2
25°	4340.5	4200.6	4066.5	3971.9	3893.1	3843.8	3804.4	3766.9	3735.4	3727.5	3707.8
27.5°	4194.7	4080.3	3902.9	3830.0	3761.0	3737.4	3694.0	3656.5	3628.9	3605.3	3542.2
30°	4074.4	3893.1	3765.0	3697.9	3656.5	3628.9	3579.7	3540.2	3492.9	3406.2	3370.7
32.5°	3926.6	3747.2	3625.0	3587.5	3536.3	3512.6	3457.4	3370.7	3297.8	3262.3	3260.3
35°	3735.4	3587.5	3498.8	3465.3	3423.9	3384.5	3270.2	3191.3	3155.9	3159.8	3189.4
37.5°	3575.7	3443.6	3386.5	3339.2	3291.9	3191.3	3094.7	3057.3	3067.2	3086.9	3100.7
40°	3414.1	3313.6	3248.5	3211.0	3104.6	3006.0	2954.8	2968.6	2986.3	3000.1	3017.9
42.5°	3256.4	3185.4	3120.4	3047.4	2901.6	2848.4	2860.2	2877.9	2893.7	2913.4	2931.1
45°	3106.6	3043.5	2968.6	2803.0	2730.1	2743.9	2761.6	2775.4	2799.1	2812.9	2830.6
47.5°	2964.7	2897.6	2765.6	2619.7	2611.8	2639.4	2655.2	2672.9	2690.7	2655.2	1464.6
50°	2805.0	2736.0	2534.9	2479.7	2497.5	2523.1	2542.8	2560.6	2280.7	906.7	697.8
52.5°	2647.3	2471.9	2343.7	2359.5	2377.2	2406.8	2420.6	1797.7	715.5	682.0	684.0
55°	2471.9	2247.1	2209.7	2229.4	2245.2	2274.7	1508.0	660.3	656.4	654.4	670.2
57.5°	2195.9	2059.9	2075.7	2095.4	2111.1	1490.2	642.6	638.7	640.6	642.6	644.6
60°	1949.5	1919.9	1937.7	1955.4	1383.8	620.9	609.1	611.1	618.9	613.0	597.3
62.5°	1754.3	1778.0	1795.7	1573.0	589.4	583.5	589.4	583.5	569.7	559.8	540.1
65°	1604.5	1628.2	1642.0	553.9	551.9	559.8	553.9	534.2	512.5	484.9	479.0
67.5°	1446.8	1470.5	526.3	512.5	520.4	510.5	486.9	463.2	447.5	423.8	413.9
70°	1283.2	550.0	477.0	475.1	461.3	445.5	419.9	396.2	376.5	366.6	356.8
72.5°	926.5	435.6	429.7	413.9	390.3	368.6	346.9	333.1	323.3	317.4	311.4
75°	386.4	378.5	360.7	333.1	309.5	299.6	283.8	274.0	270.1	258.2	254.3
77.5°	323.3	307.5	281.9	262.2	248.4	242.5	230.6	218.8	212.9	210.9	203.0
80°	248.4	226.7	214.9	205.0	201.1	187.3	173.5	167.6	163.6	161.6	155.7
82.5°	169.5	161.6	153.8	140.0	140.0	134.0	128.1	124.2	120.2	120.2	116.3
85°	110.4	104.5	102.5	96.6	96.6	92.6	90.7	88.7	86.7	84.8	82.8
87.5°	63.1	63.1	65.0	63.1	63.1	61.1	59.1	57.2	55.2	55.2	51.3
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4309.0	4328.7	4332.6	4399.7	4437.1	4435.2	4423.3	4458.8	4437.1	4425.3	4437.1
5°	4537.7	4561.3	4581.0	4654.0	4679.6	4691.4	4689.4	4709.1	4693.4	4679.6	4679.6
7.5°	4650.0	4657.9	4665.8	4648.0	4636.2	4616.5	4586.9	4543.6	4521.9	4498.2	4468.7
10°	4464.7	4439.1	4448.9	4413.5	4383.9	4362.2	4334.6	4299.1	4269.6	4247.9	4214.4
12.5°	4238.0	4236.1	4240.0	4245.9	4216.3	4198.6	4176.9	4151.3	4129.6	4106.0	4078.4
15°	4100.1	4102.0	4117.8	4111.9	4102.0	4092.2	4068.5	4060.6	4040.9	4015.3	3999.5
17.5°	4001.5	4011.3	4027.1	4019.2	4003.5	3993.6	3975.9	3958.1	3940.4	3920.7	3897.0
20°	3914.8	3924.6	3934.5	3924.6	3895.0	3881.2	3857.6	3802.4	3763.0	3723.6	3688.1
22.5°	3820.1	3826.1	3818.2	3786.6	3711.7	3676.2	3648.7	3632.9	3599.4	3577.7	3556.0
25°	3701.9	3668.4	3617.1	3581.6	3552.1	3536.3	3524.5	3522.5	3518.6	3514.6	3504.8
27.5°	3508.7	3496.9	3469.3	3455.5	3457.4	3463.4	3465.3	3471.2	3465.3	3457.4	3449.6
30°	3364.8	3370.7	3372.7	3376.6	3386.5	3392.4	3394.4	3402.3	3398.3	3392.4	3388.5
32.5°	3274.1	3287.9	3295.8	3307.6	3313.6	3323.4	3323.4	3335.2	3323.4	3321.4	3317.5
35°	3199.2	3211.0	3215.0	3232.7	3238.6	3248.5	3248.5	3258.4	3248.5	3148.0	2485.7
37.5°	3124.3	3136.1	3144.0	3159.8	3161.8	3167.7	2923.3	2138.7	1379.8	1068.4	816.1
40°	3035.6	3049.4	3057.3	3063.2	2152.5	1366.0	940.3	764.8	764.8	770.7	776.6
42.5°	2941.0	2950.9	2055.9	1196.5	745.1	743.1	749.0	755.0	760.9	768.8	776.6
45°	2312.2	1166.9	741.2	723.4	729.3	737.2	745.1	753.0	762.8	770.7	774.7
47.5°	758.9	711.6	721.5	713.6	723.4	733.3	741.2	749.0	751.0	753.0	751.0
50°	701.7	701.7	707.7	707.7	715.5	719.5	719.5	719.5	711.6	709.6	703.7
52.5°	678.1	693.9	686.0	689.9	686.0	680.1	674.1	668.2	656.4	652.5	644.6
55°	666.3	672.2	652.5	646.5	638.7	622.9	615.0	607.1	597.3	593.3	583.5
57.5°	638.7	624.9	603.2	593.3	579.5	563.8	555.9	550.0	540.1	536.2	530.2
60°	587.4	559.8	546.0	534.2	518.4	504.6	498.7	494.8	486.9	484.9	479.0
62.5°	524.3	500.7	488.9	473.1	461.3	453.4	447.5	445.5	437.6	437.6	433.7
65°	455.3	443.5	433.7	417.9	412.0	404.1	402.1	400.1	396.2	394.2	390.3
67.5°	400.1	392.3	378.5	370.6	366.6	360.7	356.8	352.8	345.0	341.0	335.1
70°	350.9	345.0	331.2	325.2	317.4	307.5	301.6	297.6	291.7	287.8	281.9
72.5°	303.6	285.8	276.0	270.1	264.1	254.3	252.3	248.4	242.5	240.5	234.6
75°	244.4	230.6	224.7	220.8	214.9	208.9	208.9	208.9	203.0	201.1	199.1
77.5°	195.1	187.3	183.3	179.4	177.4	173.5	167.6	165.6	159.7	159.7	157.7
80°	149.8	145.9	141.9	140.0	138.0	134.0	130.1	128.1	122.2	122.2	120.2
82.5°	110.4	108.4	106.4	104.5	102.5	100.5	94.6	92.6	88.7	88.7	86.7
85°	78.8	76.9	72.9	71.0	71.0	69.0	63.1	61.1	57.2	57.2	57.2
87.5°	49.3	47.3	45.3	43.4	41.4	39.4	35.5	33.5	33.5	29.6	27.6
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4413.5	4447.0	4443.0	4466.7	4472.6	4484.4	4488.4	4490.3	4460.8	4484.4	4486.4
5°	4673.7	4679.6	4683.5	4693.4	4703.2	4705.2	4695.3	4683.5	4687.5	4679.6	4659.9
7.5°	4464.7	4435.2	4429.2	4421.4	4417.4	4413.5	4395.7	4411.5	4393.8	4385.9	4358.3
10°	4208.5	4180.9	4178.9	4178.9	4184.8	4182.8	4178.9	4171.0	4186.8	4176.9	4171.0
12.5°	4074.4	4064.6	4070.5	4066.5	4082.3	4086.3	4082.3	4082.3	4078.4	4070.5	4074.4
15°	3993.6	3985.7	3991.6	3985.7	3997.5	3999.5	3989.7	3995.6	3985.7	3975.9	3971.9
17.5°	3887.2	3869.4	3855.6	3835.9	3837.9	3833.9	3822.1	3822.1	3812.3	3786.6	3788.6
20°	3682.2	3664.4	3656.5	3656.5	3666.4	3670.3	3668.4	3672.3	3662.4	3658.5	3642.7
22.5°	3554.0	3552.1	3556.0	3565.9	3581.6	3603.3	3605.3	3605.3	3605.3	3603.3	3583.6
25°	3508.7	3508.7	3512.6	3526.4	3538.3	3554.0	3558.0	3561.9	3558.0	3558.0	3540.2
27.5°	3457.4	3453.5	3461.4	3475.2	3489.0	3500.8	3510.7	3512.6	3506.7	3506.7	3512.6
30°	3394.4	3392.4	3402.3	3416.1	3427.9	3439.7	3449.6	3457.4	3449.6	3449.6	3443.6
32.5°	3329.3	3329.3	3333.3	3250.5	3013.9	2714.3	2720.2	2546.8	2426.5	2274.7	2475.8
35°	2077.6	1511.9	1299.0	1099.9	960.0	869.3	867.3	837.8	824.0	814.1	812.1
37.5°	784.5	788.5	796.4	800.3	806.2	810.2	812.1	812.1	812.1	812.1	810.2
40°	782.6	790.4	796.4	802.3	808.2	812.1	812.1	814.1	816.1	816.1	816.1
42.5°	784.5	792.4	800.3	806.2	810.2	812.1	814.1	816.1	816.1	816.1	816.1
45°	782.6	786.5	786.5	788.5	788.5	788.5	790.4	790.4	788.5	786.5	790.4
47.5°	753.0	753.0	747.1	745.1	743.1	739.2	741.2	739.2	737.2	735.2	739.2
50°	701.7	693.9	689.9	686.0	684.0	680.1	682.0	680.1	678.1	674.1	680.1
52.5°	640.6	638.7	630.8	626.8	624.9	626.8	622.9	620.9	618.9	617.0	618.9
55°	581.5	573.6	571.6	567.7	565.7	567.7	565.7	563.8	561.8	559.8	561.8
57.5°	528.3	522.4	520.4	516.4	516.4	516.4	516.4	514.5	512.5	510.5	512.5
60°	477.0	473.1	471.1	471.1	469.1	469.1	469.1	467.2	465.2	465.2	467.2
62.5°	433.7	433.7	427.7	425.8	425.8	427.7	425.8	423.8	421.8	419.9	423.8
65°	388.3	380.4	378.5	374.5	370.6	372.6	370.6	368.6	366.6	364.7	368.6
67.5°	333.1	331.2	323.3	319.3	317.4	319.3	317.4	315.4	313.4	311.4	315.4
70°	279.9	279.9	272.0	270.1	268.1	268.1	266.1	266.1	264.1	262.2	266.1
72.5°	232.6	232.6	230.6	226.7	224.7	222.7	220.8	218.8	218.8	220.8	220.8
75°	193.2	189.2	181.3	183.3	181.3	179.4	179.4	177.4	175.4	179.4	177.4
77.5°	151.8	149.8	143.9	145.9	143.9	141.9	141.9	140.0	138.0	140.0	140.0
80°	114.3	114.3	112.4	110.4	110.4	108.4	106.4	106.4	104.5	106.4	106.4
82.5°	82.8	82.8	80.8	78.8	76.9	76.9	74.9	74.9	74.9	74.9	74.9
85°	53.2	51.3	51.3	47.3	47.3	47.3	45.3	45.3	45.3	45.3	45.3
87.5°	25.6	25.6	23.7	23.7	21.7	19.7	19.7	17.7	17.7	19.7	19.7
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-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4450.9	4476.5	4454.9	4464.7	4466.7	4500.2	4498.2	4506.1	4492.3	4476.5	4454.9
5°	4677.6	4665.8	4650.0	4687.5	4667.7	4691.4	4699.3	4715.1	4715.1	4713.1	4695.3
7.5°	4387.8	4362.2	4381.9	4395.7	4401.6	4385.9	4417.4	4452.9	4482.5	4500.2	4502.2
10°	4161.2	4169.0	4167.1	4173.0	4186.8	4184.8	4204.5	4224.2	4232.1	4243.9	4247.9
12.5°	4054.7	4052.7	4056.7	4070.5	4078.4	4076.4	4096.1	4107.9	4111.9	4113.8	4111.9
15°	3970.0	3956.2	3966.0	3968.0	3973.9	3973.9	3997.5	4015.3	4023.2	4027.1	4023.2
17.5°	3810.3	3776.8	3808.3	3808.3	3830.0	3826.1	3863.5	3893.1	3908.8	3920.7	3920.7
20°	3652.6	3636.8	3648.7	3644.7	3660.5	3658.5	3682.2	3701.9	3715.7	3725.5	3737.4
22.5°	3589.5	3593.5	3575.7	3577.7	3577.7	3575.7	3587.5	3597.4	3601.3	3607.3	3603.3
25°	3548.1	3552.1	3546.1	3536.3	3532.4	3536.3	3542.2	3554.0	3556.0	3552.1	3538.3
27.5°	3506.7	3494.9	3504.8	3487.0	3483.1	3491.0	3498.8	3500.8	3502.8	3502.8	3491.0
30°	3443.6	3433.8	3443.6	3435.8	3427.9	3435.8	3441.7	3441.7	3445.6	3447.6	3433.8
32.5°	2406.8	2426.5	2745.9	2939.0	3211.0	3349.0	3374.7	3374.7	3378.6	3378.6	3366.8
35°	820.0	822.0	889.0	963.9	1123.6	1320.7	1578.9	1713.0	2166.3	2708.4	3232.7
37.5°	810.2	808.2	806.2	804.2	802.3	800.3	796.4	794.4	806.2	956.0	1297.0
40°	814.1	812.1	808.2	806.2	804.2	800.3	798.3	794.4	790.4	786.5	782.6
42.5°	814.1	812.1	810.2	808.2	806.2	804.2	800.3	796.4	792.4	786.5	780.6
45°	786.5	786.5	788.5	788.5	790.4	790.4	790.4	788.5	788.5	786.5	778.6
47.5°	735.2	735.2	741.2	741.2	745.1	749.0	749.0	753.0	758.9	762.8	764.8
50°	676.1	676.1	682.0	684.0	687.9	693.9	699.8	701.7	707.7	715.5	723.4
52.5°	617.0	617.0	622.9	622.9	626.8	632.7	638.7	640.6	648.5	656.4	666.3
55°	561.8	561.8	565.7	567.7	569.7	573.6	579.5	579.5	587.4	593.3	603.2
57.5°	512.5	516.4	516.4	516.4	518.4	522.4	526.3	526.3	532.2	538.1	546.0
60°	465.2	469.1	469.1	469.1	471.1	473.1	477.0	477.0	481.0	484.9	492.8
62.5°	421.8	425.8	425.8	427.7	427.7	429.7	433.7	431.7	435.6	437.6	443.5
65°	366.6	370.6	372.6	374.5	376.5	380.4	386.4	384.4	390.3	394.2	400.1
67.5°	313.4	317.4	317.4	319.3	321.3	325.2	329.2	329.2	335.1	339.0	346.9
70°	264.1	268.1	268.1	270.1	272.0	276.0	279.9	277.9	283.8	287.8	293.7
72.5°	218.8	222.7	222.7	224.7	224.7	228.7	232.6	236.5	236.5	240.5	244.4
75°	177.4	179.4	181.3	181.3	183.3	185.3	189.2	193.2	195.1	197.1	201.1
77.5°	140.0	141.9	143.9	143.9	145.9	147.8	149.8	157.7	161.6	163.6	163.6
80°	106.4	108.4	108.4	108.4	110.4	112.4	116.3	116.3	124.2	124.2	126.2
82.5°	74.9	76.9	76.9	76.9	78.8	82.8	84.8	86.7	90.7	92.6	92.6
85°	45.3	47.3	47.3	47.3	49.3	51.3	55.2	57.2	59.1	59.1	61.1
87.5°	17.7	19.7	21.7	21.7	23.7	25.6	27.6	29.6	31.5	31.5	33.5
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-LD5-130HL-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°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4431.2	4445.0	4431.2	4439.1	4448.9	4431.2	4389.8	4374.0	4368.1	4344.5	4328.7
5°	4677.6	4677.6	4671.7	4687.5	4685.5	4657.9	4614.5	4594.8	4575.1	4549.5	4529.8
7.5°	4502.2	4517.9	4527.8	4588.9	4628.3	4632.3	4659.9	4665.8	4673.7	4665.8	4654.0
10°	4249.9	4243.9	4271.5	4328.7	4362.2	4380.0	4433.2	4458.8	4480.5	4523.9	4569.2
12.5°	4107.9	4115.8	4127.6	4169.0	4200.6	4192.7	4214.4	4232.1	4257.7	4301.1	4366.2
15°	4013.3	4021.2	4033.0	4064.6	4084.3	4074.4	4086.3	4098.1	4115.8	4137.5	4176.9
17.5°	3910.8	3924.6	3938.4	3971.9	3989.7	3987.7	3997.5	4001.5	4007.4	4021.2	4048.8
20°	3751.2	3794.5	3822.1	3867.5	3893.1	3889.1	3906.9	3912.8	3920.7	3934.5	3946.3
22.5°	3605.3	3617.1	3630.9	3680.2	3723.6	3776.8	3788.6	3804.4	3824.1	3837.9	3849.7
25°	3522.5	3514.6	3520.5	3554.0	3577.7	3581.6	3599.4	3650.6	3703.8	3727.5	3755.1
27.5°	3473.2	3465.3	3463.4	3479.1	3483.1	3473.2	3469.3	3485.0	3524.5	3563.9	3646.7
30°	3420.0	3410.1	3402.3	3416.1	3422.0	3408.2	3382.5	3368.7	3392.4	3402.3	3435.8
32.5°	3356.9	3347.1	3343.1	3351.0	3354.9	3343.1	3315.5	3299.8	3295.8	3287.9	3295.8
35°	3286.0	3276.1	3270.2	3272.2	3280.0	3270.2	3246.5	3226.8	3217.0	3195.3	3179.5
37.5°	1693.2	2398.9	3114.5	3189.4	3197.3	3195.3	3171.6	3149.9	3140.1	3114.5	3106.6
40°	774.7	865.3	1299.0	1697.2	2448.2	3110.5	3088.8	3067.2	3049.4	3041.5	3012.0
42.5°	772.7	774.7	776.6	766.8	950.1	1618.3	2389.1	2982.4	2970.6	2950.9	2929.2
45°	772.7	762.8	770.7	758.9	762.8	760.9	948.1	1529.6	2722.2	2844.4	2834.6
47.5°	764.8	758.9	766.8	756.9	745.1	751.0	743.1	753.0	1174.8	1992.9	2730.1
50°	729.3	733.3	747.1	745.1	735.2	743.1	729.3	741.2	731.3	802.3	1545.4
52.5°	676.1	684.0	697.8	709.6	713.6	723.4	719.5	723.4	715.5	717.5	719.5
55°	613.0	622.9	634.7	652.5	660.3	676.1	687.9	693.9	703.7	701.7	686.0
57.5°	553.9	563.8	573.6	591.4	609.1	617.0	638.7	650.5	676.1	670.2	666.3
60°	498.7	506.6	516.4	520.4	542.1	555.9	575.6	587.4	620.9	628.8	640.6
62.5°	449.4	453.4	461.3	467.2	481.0	494.8	504.6	524.3	542.1	567.7	585.4
65°	404.1	408.0	413.9	417.9	419.9	439.6	445.5	467.2	473.1	500.7	516.4
67.5°	352.8	360.7	368.6	372.6	376.5	388.3	392.3	402.1	415.9	427.7	447.5
70°	299.6	305.5	313.4	319.3	327.2	335.1	346.9	352.8	362.7	370.6	386.4
72.5°	250.3	256.3	260.2	266.1	272.0	277.9	287.8	301.6	309.5	323.3	327.2
75°	203.0	208.9	212.9	216.8	222.7	226.7	230.6	244.4	252.3	264.1	276.0
77.5°	167.6	167.6	171.5	183.3	181.3	181.3	185.3	193.2	199.1	207.0	218.8
80°	130.1	132.1	134.0	143.9	145.9	147.8	145.9	151.8	157.7	159.7	167.6
82.5°	96.6	98.6	98.6	104.5	110.4	110.4	110.4	112.4	118.3	120.2	124.2
85°	65.0	67.0	69.0	71.0	74.9	76.9	78.8	78.8	82.8	84.8	86.7
87.5°	35.5	39.4	41.4	43.4	45.3	47.3	49.3	51.3	53.2	55.2	57.2
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-LD5-130HL-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°	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1	4301.1
2.5°	4322.8	4312.9	4307.0	4291.3	4287.3	4261.7	4265.6	4261.7	4261.7	4267.6	4287.3
5°	4508.1	4460.8	4448.9	4415.4	4387.8	4340.5	4311.0	4295.2	4271.5	4261.7	4275.5
7.5°	4634.2	4598.8	4569.2	4539.6	4500.2	4445.0	4403.6	4356.3	4316.9	4279.4	4269.6
10°	4612.6	4652.0	4652.0	4634.2	4596.8	4541.6	4492.3	4433.2	4364.2	4305.1	4269.6
12.5°	4429.2	4498.2	4553.4	4594.8	4632.3	4594.8	4545.5	4498.2	4421.4	4334.6	4269.6
15°	4228.2	4299.1	4368.1	4454.9	4545.5	4583.0	4581.0	4525.8	4456.8	4366.2	4275.5
17.5°	4086.3	4135.5	4173.0	4267.6	4378.0	4474.6	4539.6	4543.6	4476.5	4395.7	4277.5
20°	3979.8	4015.3	4046.8	4100.1	4196.6	4314.9	4435.2	4502.2	4490.3	4401.6	4283.4
22.5°	3883.2	3908.8	3934.5	3973.9	4050.8	4127.6	4267.6	4405.6	4464.7	4391.8	4277.5
25°	3786.6	3814.2	3833.9	3861.5	3922.6	3985.7	4084.3	4255.8	4387.8	4383.9	4265.6
27.5°	3672.3	3709.8	3733.4	3770.9	3812.3	3859.6	3926.6	4088.2	4277.5	4344.5	4234.1
30°	3534.3	3589.5	3625.0	3666.4	3701.9	3743.3	3796.5	3895.0	4129.6	4267.6	4200.6
32.5°	3335.2	3433.8	3512.6	3552.1	3591.5	3627.0	3674.3	3757.1	3948.3	4163.1	4163.1
35°	3193.3	3238.6	3309.6	3423.9	3473.2	3508.7	3552.1	3617.1	3739.3	4038.9	4102.0
37.5°	3082.9	3100.7	3136.1	3248.5	3341.1	3398.3	3441.7	3483.1	3603.3	3869.4	4023.2
40°	3000.1	2994.2	2990.3	3043.5	3175.6	3266.2	3315.5	3356.9	3449.6	3666.4	3918.7
42.5°	2903.5	2897.6	2877.9	2891.7	2956.8	3108.5	3183.5	3228.8	3305.7	3453.5	3804.4
45°	2803.0	2793.2	2785.3	2771.5	2795.1	2879.9	3033.6	3100.7	3144.0	3276.1	3660.5
47.5°	2700.5	2686.7	2676.9	2665.0	2651.2	2690.7	2836.5	2956.8	3031.7	3114.5	3487.0
50°	2554.6	2572.4	2560.6	2546.8	2534.9	2527.1	2588.2	2785.3	2877.9	2944.9	3276.1
52.5°	1204.4	2341.8	2440.3	2426.5	2410.8	2397.0	2410.8	2560.6	2728.1	2781.3	3021.8
55°	686.0	1042.8	2170.3	2294.5	2280.7	2260.9	2249.1	2300.4	2550.7	2621.7	2789.2
57.5°	660.3	662.3	958.0	2067.8	2144.6	2126.9	2113.1	2124.9	2337.8	2458.1	2586.2
60°	638.7	638.7	638.7	914.6	1977.1	1983.0	1965.3	1945.6	2038.2	2274.7	2381.2
62.5°	591.4	603.2	609.1	609.1	902.8	1831.2	1813.5	1807.6	1811.5	2054.0	2176.2
65°	530.2	557.8	569.7	577.6	577.6	948.1	1657.8	1647.9	1634.1	1726.8	1969.2
67.5°	463.2	490.8	516.4	532.2	534.2	551.9	989.5	1484.3	1464.6	1466.6	1748.4
70°	394.2	417.9	445.5	469.1	490.8	500.7	516.4	1232.0	1297.0	1269.4	1498.1
72.5°	341.0	350.9	370.6	394.2	419.9	443.5	457.3	490.8	1125.5	1096.0	1139.3
75°	283.8	291.7	305.5	321.3	341.0	368.6	392.3	415.9	597.3	918.6	912.7
77.5°	220.8	234.6	250.3	260.2	270.1	289.8	321.3	345.0	368.6	620.9	731.3
80°	169.5	179.4	187.3	197.1	208.9	222.7	234.6	262.2	289.8	311.4	559.8
82.5°	126.2	132.1	138.0	141.9	145.9	153.8	175.4	185.3	203.0	222.7	264.1
85°	88.7	92.6	96.6	98.6	100.5	102.5	110.4	112.4	130.1	134.0	159.7
87.5°	57.2	59.1	63.1	65.0	65.0	67.0	69.0	69.0	69.0	65.0	78.8
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-LD5-130HL-RW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	4301.1	4301.1
2.5°	4303.1	4334.6
5°	4297.2	4338.6
7.5°	4281.4	4320.8
10°	4257.7	4305.1
12.5°	4232.1	4277.5
15°	4210.4	4243.9
17.5°	4186.8	4206.5
20°	4155.2	4171.0
22.5°	4123.7	4115.8
25°	4088.2	4070.5
27.5°	4042.9	4009.4
30°	4001.5	3942.4
32.5°	3962.1	3865.5
35°	3908.8	3786.6
37.5°	3853.7	3705.8
40°	3788.6	3613.2
42.5°	3719.6	3520.5
45°	3632.9	3431.8
47.5°	3556.0	3325.4
50°	3449.6	3211.0
52.5°	3319.5	3104.6
55°	3165.7	2974.5
57.5°	3000.1	2838.5
60°	2822.7	2682.8
62.5°	2607.9	2521.1
65°	2355.6	2335.8
67.5°	2026.4	2130.8
70°	1661.7	1896.3
72.5°	1389.7	1647.9
75°	1139.3	1370.0
77.5°	902.8	1074.3
80°	563.8	786.5
82.5°	378.5	516.4
85°	228.7	246.4
87.5°	88.7	90.7
90°	0.0	0.0

(END OF REPORT)