

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-LD5-200HL-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-LD5-200HL-RW-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
WHITE REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

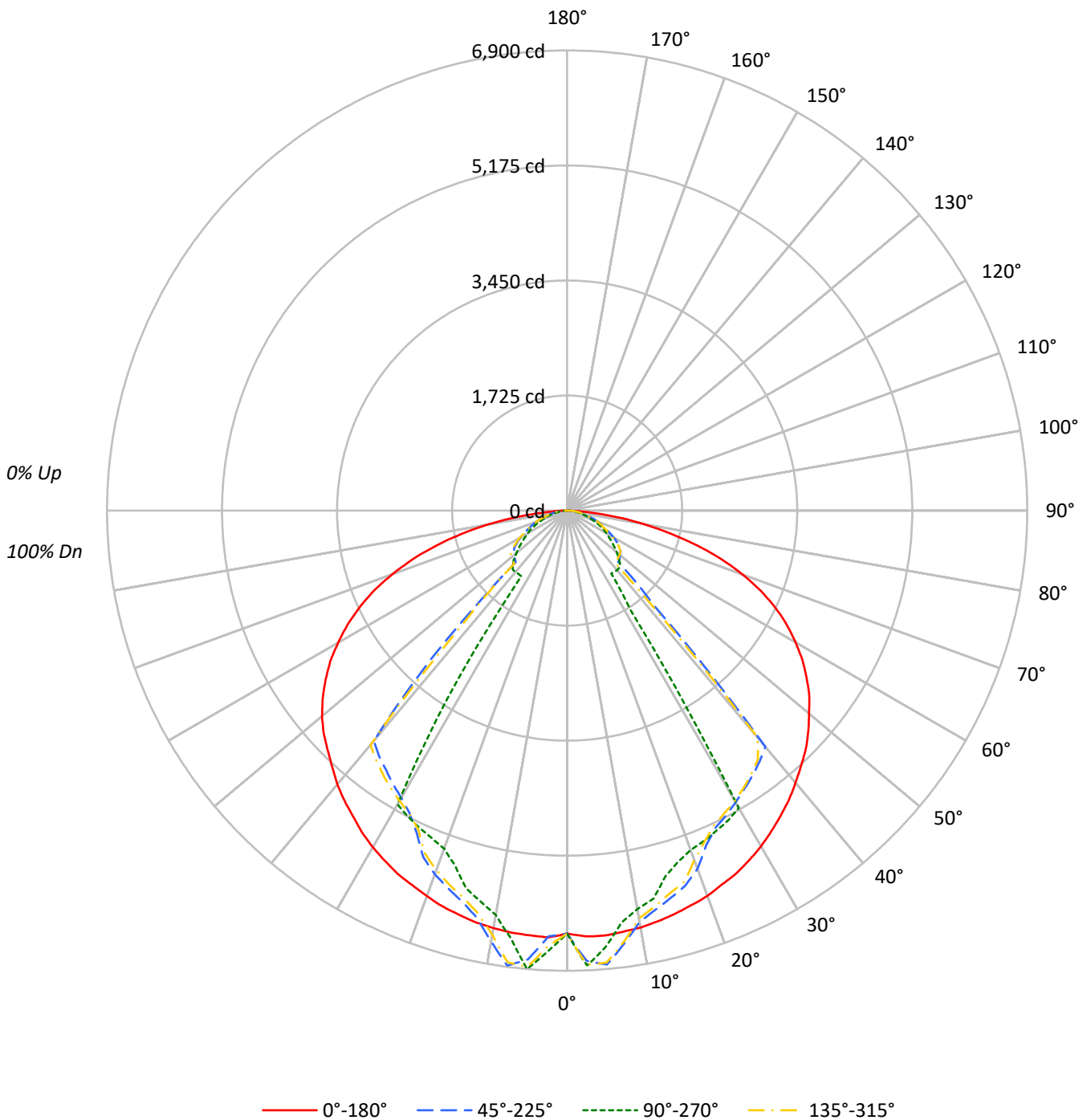
Lumens per Lamp: N/A  
Luminaire Lumens: 12700.0 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 1.36 / 1.16 / 1.2  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 158  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#  
CATALOG NUMBER: 8SNLED-LD5-200HL-RW-UNV-L930-CD1-U

### Luminous Intensity Polar Plot





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

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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°	25625	25625	25625	25625
5°	25912	25818	25900	27097
10°	25973	23342	26008	23700
15°	26068	21597	26128	22282
20°	26295	20484	26295	20407
25°	26565	20092	26603	19905
30°	26879	19738	26946	19504
35°	27242	4496	27299	4689
40°	27737	4675	27903	4827
45°	28470	4649	28568	4818
50°	29218	4204	29613	4317
55°	30222	3732	30462	3786
60°	31125	3316	31193	3359
65°	31861	2894	31781	2848
70°	31672	2333	31574	2248
75°	29797	1795	30013	1720
80°	24788	1275	25782	1168
85°	14290	764	15093	586



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	624.0	4.9
10°-20°	1715.6	13.5
20°-30°	2541.2	20.0
30°-40°	2560.5	20.2
40°-50°	2000.1	15.7
50°-60°	1545.0	12.2
60°-70°	1037.3	8.2
70°-80°	529.1	4.2
80°-90°	147.2	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°	4880.8	38.4
0°-40°	7441.3	58.6
0°-60°	10986.4	86.5
0°-90°	12700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12700.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6342	6342	6342	6342	6342	
5°	6397	6575	6394	6900	6397	608
15°	6258	5682	6272	5862	6258	1770
25°	6002	5296	6011	5246	6002	2769
35°	5583	1151	5595	1200	5583	3499
45°	5060	1119	5078	1160	5060	3902
55°	4386	814	4421	826	4386	3917
65°	3444	546	3436	538	3444	3387
75°	2020	276	2035	264	2020	2113
85°	363	87	384	67	363	500
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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6391.5	6414.7	6432.2	6443.8	6449.6	6449.6	6452.5	6455.4	6493.2	6510.6	6522.3
5°	6397.3	6420.5	6455.4	6501.9	6542.6	6577.5	6606.5	6647.2	6687.9	6731.5	6746.1
7.5°	6371.1	6400.2	6469.9	6554.2	6632.7	6687.9	6725.7	6751.9	6772.2	6775.1	6789.7
10°	6347.9	6400.2	6496.1	6606.5	6705.4	6772.2	6772.2	6757.7	6778.0	6699.6	6621.1
12.5°	6307.2	6365.3	6496.1	6641.4	6734.4	6760.6	6749.0	6690.8	6571.7	6475.8	6432.2
15°	6257.8	6336.2	6499.0	6661.8	6740.2	6749.0	6638.5	6490.3	6400.2	6342.1	6269.4
17.5°	6202.5	6307.2	6501.9	6664.7	6693.7	6653.1	6443.8	6350.8	6257.8	6121.2	6022.3
20°	6150.2	6252.0	6478.7	6624.0	6641.4	6458.3	6295.5	6196.7	6039.8	5920.6	5877.0
22.5°	6068.8	6188.0	6458.3	6568.8	6501.9	6289.7	6132.8	5975.8	5833.4	5798.5	5746.2
25°	6002.0	6127.0	6411.8	6501.9	6324.6	6135.7	5952.6	5769.5	5702.6	5653.2	5606.7
27.5°	5911.9	6065.9	6350.8	6379.8	6135.7	5970.0	5702.6	5621.2	5560.2	5505.0	5484.6
30°	5813.1	6002.0	6266.5	6211.3	5978.7	5734.6	5536.9	5461.4	5417.8	5359.6	5336.4
32.5°	5699.7	5906.1	6173.5	6016.5	5810.2	5505.0	5377.1	5319.0	5260.8	5217.2	5071.9
35°	5583.4	5821.8	6063.0	5830.5	5606.7	5330.6	5217.2	5164.9	5109.7	4949.8	4798.7
37.5°	5464.3	5728.8	5929.3	5630.0	5336.4	5150.4	5054.5	4996.3	4871.3	4667.9	4592.3
40°	5327.7	5615.4	5757.8	5423.6	5101.0	4967.3	4877.2	4819.0	4537.1	4447.0	4423.7
42.5°	5191.1	5505.0	5548.6	5223.0	4906.2	4772.5	4697.0	4505.1	4313.3	4266.8	4275.5
45°	5060.3	5385.8	5319.0	4938.2	4702.8	4592.3	4464.4	4199.9	4098.2	4121.5	4127.3
47.5°	4903.3	5243.4	5077.7	4653.4	4493.5	4383.1	4098.2	3938.4	3923.8	3955.8	3973.2
50°	4734.7	5083.5	4821.9	4394.7	4266.8	4136.0	3813.4	3732.0	3749.4	3781.4	3801.7
52.5°	4577.8	4903.3	4557.4	4153.4	4043.0	3743.6	3525.6	3540.2	3569.2	3607.0	3618.6
55°	4386.0	4685.3	4275.5	3909.3	3804.7	3412.3	3313.4	3348.3	3377.4	3409.4	3432.6
57.5°	4185.4	4435.4	3941.3	3636.1	3467.5	3118.7	3127.4	3150.7	3171.0	3208.8	1325.4
60°	3955.8	4150.5	3575.0	3383.2	3049.0	2886.2	2894.9	2935.6	2955.9	1650.9	912.7
62.5°	3717.5	3819.2	3243.7	3095.5	2665.3	2653.7	2694.4	2711.8	1845.6	872.0	854.5
65°	3444.2	3423.9	2918.2	2682.7	2403.7	2415.3	2458.9	2371.7	816.7	816.7	810.9
67.5°	3142.0	3019.9	2601.3	2220.6	2150.8	2177.0	2223.5	776.0	755.7	761.5	741.2
70°	2796.1	2624.6	2272.9	1880.5	1903.8	1929.9	749.9	703.4	694.7	680.1	639.4
72.5°	2429.9	2194.4	1860.2	1633.5	1648.0	1034.7	656.9	633.6	604.6	575.5	531.9
75°	2020.0	1714.9	1366.1	1366.1	1386.4	590.0	572.6	534.8	502.8	465.0	438.9
77.5°	1584.1	1319.6	1060.9	1101.6	537.7	494.1	462.1	421.4	395.3	372.0	357.5
80°	1159.7	921.4	799.3	715.0	418.5	374.9	343.0	319.7	308.1	293.6	276.1
82.5°	761.5	555.1	555.1	337.2	293.6	258.7	250.0	232.5	220.9	212.2	203.5
85°	363.3	322.6	244.1	206.4	183.1	165.7	159.9	151.1	151.1	148.2	145.3
87.5°	133.7	145.3	107.5	104.6	98.8	95.9	98.8	98.8	101.7	98.8	95.9
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#

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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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6551.3	6574.6	6592.0	6621.1	6658.9	6690.8	6719.9	6760.6	6824.5	6842.0	6856.5
5°	6746.1	6754.8	6775.1	6798.4	6804.2	6818.7	6815.8	6833.3	6842.0	6862.3	6818.7
7.5°	6757.7	6711.2	6656.0	6606.5	6571.7	6539.7	6519.4	6551.3	6568.8	6583.3	6539.7
10°	6513.5	6458.3	6426.3	6397.3	6362.4	6313.0	6246.1	6260.7	6254.9	6254.9	6240.3
12.5°	6359.5	6281.0	6199.6	6127.0	6095.0	6092.1	6095.0	6127.0	6127.0	6124.1	6106.6
15°	6118.3	6042.7	6002.0	5984.5	5984.5	5975.8	5975.8	6010.7	6002.0	6002.0	5993.3
17.5°	5958.4	5906.1	5877.0	5856.7	5847.9	5862.5	5879.9	5894.4	5897.4	5885.7	5839.2
20°	5827.6	5778.2	5743.3	5749.1	5746.2	5754.9	5763.7	5714.2	5653.2	5571.8	5534.0
22.5°	5691.0	5653.2	5627.0	5627.0	5592.2	5536.9	5455.6	5438.1	5429.4	5391.6	5359.6
25°	5560.2	5516.6	5478.8	5362.6	5289.9	5298.6	5284.1	5255.0	5252.1	5249.2	5260.8
27.5°	5429.4	5316.0	5170.7	5153.3	5124.2	5121.3	5138.7	5153.3	5153.3	5164.9	5179.4
30°	5159.1	5028.3	5002.1	4970.2	4981.8	5022.5	5031.2	5051.6	5057.4	5077.7	5089.3
32.5°	4912.0	4853.9	4830.7	4845.2	4883.0	4917.9	4938.2	4946.9	4961.5	4978.9	4993.4
35°	4711.5	4694.0	4714.4	4746.4	4784.2	4813.2	4830.7	4848.1	4862.6	4877.2	4888.8
37.5°	4563.3	4574.9	4603.9	4644.6	4682.4	4705.7	4720.2	4740.6	4760.9	4778.3	4708.6
40°	4423.7	4452.8	4484.8	4528.4	4560.3	4583.6	4598.1	4624.3	4449.9	2014.2	1104.5
42.5°	4301.7	4333.6	4356.9	4391.8	4426.6	4444.1	4316.2	1927.0	1089.9	1084.1	1098.7
45°	4153.4	4179.6	4217.4	4243.5	4275.5	2807.7	1072.5	1084.1	1066.7	1078.3	1084.1
47.5°	4002.3	4043.0	4063.3	3877.3	1153.9	1066.7	1055.1	1066.7	1055.1	1069.6	1060.9
50°	3830.8	3880.2	2761.2	1043.4	1034.7	1028.9	1040.5	1034.7	1043.4	1055.1	1031.8
52.5°	3656.4	2264.2	1011.5	1005.7	1011.5	1005.7	1026.0	1011.5	1014.4	1002.8	973.7
55°	1238.2	979.5	970.8	967.9	985.3	985.3	985.3	962.1	947.5	918.5	898.1
57.5°	947.5	947.5	944.6	947.5	941.7	935.9	909.7	889.4	869.1	828.4	816.7
60°	898.1	898.1	898.1	898.1	872.0	860.3	819.6	802.2	767.3	747.0	735.4
62.5°	857.4	851.6	825.5	816.7	787.7	755.7	732.4	715.0	680.1	668.5	659.8
65°	799.3	779.0	747.0	712.1	697.6	662.7	651.1	624.9	607.5	598.7	592.9
67.5°	703.4	674.3	648.2	624.9	598.7	587.1	572.6	552.2	540.6	534.8	529.0
70°	601.7	581.3	555.1	540.6	523.2	514.5	494.1	488.3	479.6	470.9	462.1
72.5°	502.8	491.2	479.6	459.2	453.4	447.6	427.3	415.6	404.0	392.4	386.6
75°	421.4	412.7	406.9	389.5	380.8	363.3	348.8	340.1	331.3	322.6	316.8
77.5°	345.9	340.1	322.6	311.0	305.2	290.7	284.8	287.7	281.9	270.3	264.5
80°	270.3	264.5	250.0	250.0	244.1	238.3	232.5	226.7	220.9	212.2	206.4
82.5°	206.4	200.6	194.7	188.9	183.1	180.2	177.3	171.5	165.7	159.9	157.0
85°	145.3	142.4	139.5	136.6	133.7	130.8	127.9	122.1	116.3	113.4	110.4
87.5°	98.8	95.9	93.0	90.1	87.2	84.3	81.4	78.5	72.7	69.8	66.9
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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6856.5	6871.0	6856.5	6824.5	6804.2	6795.5	6812.9	6812.9	6824.5	6839.1	6842.0
5°	6749.0	6714.1	6673.4	6632.7	6612.4	6600.7	6568.8	6574.6	6583.3	6589.1	6594.9
7.5°	6481.6	6435.1	6379.8	6327.5	6307.2	6289.7	6252.0	6252.0	6252.0	6254.9	6272.3
10°	6208.4	6188.0	6164.8	6129.9	6103.7	6095.0	6063.0	6071.7	6065.9	6074.7	6095.0
12.5°	6080.5	6057.2	6036.9	6002.0	5972.9	5961.3	5946.8	5955.5	5952.6	5967.1	5984.5
15°	5964.2	5952.6	5929.3	5903.2	5877.0	5853.8	5801.4	5784.0	5772.4	5757.8	5778.2
17.5°	5772.4	5691.0	5635.8	5595.1	5566.0	5545.7	5531.1	5531.1	5539.9	5548.6	5566.0
20°	5510.8	5487.5	5461.4	5417.8	5388.7	5377.1	5368.4	5368.4	5382.9	5394.5	5426.5
22.5°	5330.6	5327.7	5319.0	5298.6	5284.1	5284.1	5287.0	5292.8	5313.1	5330.6	5362.6
25°	5246.3	5257.9	5252.1	5240.5	5231.8	5234.7	5228.9	5234.7	5255.0	5272.4	5298.6
27.5°	5179.4	5196.9	5191.1	5173.6	5159.1	5164.9	5173.6	5167.8	5185.3	5205.6	5225.9
30°	5089.3	5092.2	5103.9	5083.5	5077.7	5086.4	5089.3	5095.2	5112.6	5127.1	5144.6
32.5°	4987.6	5010.9	5008.0	4987.6	4987.6	4996.3	4999.2	4804.5	4441.2	3825.0	3656.4
35°	4888.8	4914.9	4871.3	4106.9	2842.6	1517.2	1171.3	1130.6	1139.4	1145.2	1151.0
37.5°	3615.7	1714.9	1092.9	1101.6	1110.3	1119.0	1127.7	1136.5	1145.2	1153.9	1156.8
40°	1087.0	1084.1	1092.9	1104.5	1113.2	1119.0	1130.6	1139.4	1148.1	1156.8	1159.7
42.5°	1075.4	1081.2	1089.9	1101.6	1113.2	1124.8	1133.5	1145.2	1151.0	1156.8	1159.7
45°	1069.6	1081.2	1092.9	1101.6	1110.3	1116.1	1121.9	1124.8	1121.9	1121.9	1127.7
47.5°	1060.9	1072.5	1075.4	1072.5	1075.4	1072.5	1072.5	1072.5	1063.8	1060.9	1060.9
50°	1028.9	1028.9	1023.1	1011.5	1008.6	1005.7	999.8	996.9	985.3	982.4	982.4
52.5°	962.1	959.2	950.4	935.9	930.1	924.3	921.4	918.5	906.8	901.0	903.9
55°	883.6	877.8	869.1	851.6	848.7	842.9	840.0	837.1	825.5	831.3	822.5
57.5°	810.9	799.3	787.7	784.8	773.1	770.2	767.3	764.4	755.7	758.6	752.8
60°	723.7	720.8	715.0	703.4	703.4	700.5	700.5	694.7	688.8	685.9	685.9
62.5°	659.8	651.1	645.3	645.3	636.5	636.5	636.5	630.7	624.9	627.8	624.9
65°	590.0	587.1	584.2	578.4	578.4	575.5	575.5	569.7	561.0	563.9	558.1
67.5°	531.9	526.1	520.3	517.4	505.7	499.9	497.0	494.1	482.5	485.4	479.6
70°	459.2	450.5	444.7	438.9	430.2	424.4	424.4	418.5	409.8	412.7	406.9
72.5°	383.7	377.8	372.0	369.1	360.4	357.5	354.6	351.7	343.0	345.9	343.0
75°	319.7	319.7	316.8	313.9	305.2	296.5	290.7	287.7	281.9	284.8	279.0
77.5°	264.5	258.7	252.9	252.9	244.1	238.3	232.5	232.5	232.5	229.6	226.7
80°	206.4	200.6	200.6	197.6	191.8	186.0	183.1	183.1	180.2	180.2	177.3
82.5°	157.0	151.1	148.2	148.2	142.4	139.5	136.6	133.7	133.7	133.7	130.8
85°	110.4	104.6	101.7	101.7	95.9	93.0	93.0	90.1	90.1	87.2	87.2
87.5°	66.9	63.9	61.0	61.0	55.2	52.3	52.3	52.3	49.4	49.4	46.5
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6842.0	6842.0	6821.6	6827.4	6818.7	6830.4	6815.8	6815.8	6833.3	6833.3	6844.9
5°	6597.8	6583.3	6580.4	6574.6	6545.5	6557.1	6542.6	6528.1	6548.4	6548.4	6574.6
7.5°	6263.6	6237.4	6249.0	6231.6	6214.2	6188.0	6196.7	6185.1	6199.6	6220.0	6246.1
10°	6092.1	6068.8	6083.4	6065.9	6074.7	6036.9	6039.8	6042.7	6057.2	6063.0	6086.3
12.5°	5981.6	5975.8	5970.0	5964.2	5970.0	5949.7	5938.0	5941.0	5946.8	5949.7	5967.1
15°	5749.1	5711.3	5723.0	5682.3	5685.2	5688.1	5664.8	5688.1	5685.2	5723.0	5757.8
17.5°	5560.2	5560.2	5539.9	5522.4	5510.8	5507.9	5490.4	5502.1	5490.4	5513.7	5522.4
20°	5429.4	5426.5	5423.6	5414.9	5385.8	5388.7	5397.4	5371.3	5368.4	5365.5	5382.9
22.5°	5368.4	5371.3	5359.6	5359.6	5333.5	5339.3	5342.2	5313.1	5316.0	5307.3	5316.0
25°	5304.4	5310.2	5295.7	5295.7	5289.9	5287.0	5272.4	5278.3	5260.8	5246.3	5260.8
27.5°	5228.9	5240.5	5228.9	5234.7	5223.0	5217.2	5208.5	5202.7	5185.3	5182.3	5191.1
30°	5159.1	5164.9	5162.0	5147.5	5144.6	5127.1	5135.8	5118.4	5101.0	5103.9	5109.7
32.5°	2644.9	2525.8	1947.4	1758.5	1741.0	1805.0	2139.2	2604.3	3374.5	4121.5	4659.2
35°	1153.9	1153.9	1153.9	1151.0	1151.0	1148.1	1145.2	1142.3	1139.4	1136.5	1133.5
37.5°	1159.7	1159.7	1159.7	1159.7	1156.8	1153.9	1153.9	1148.1	1145.2	1142.3	1139.4
40°	1162.6	1165.5	1165.5	1165.5	1162.6	1162.6	1159.7	1153.9	1151.0	1145.2	1139.4
42.5°	1159.7	1162.6	1162.6	1159.7	1159.7	1156.8	1156.8	1153.9	1151.0	1148.1	1145.2
45°	1121.9	1124.8	1119.0	1119.0	1116.1	1116.1	1116.1	1116.1	1116.1	1119.0	1119.0
47.5°	1055.1	1055.1	1052.2	1049.3	1049.3	1046.4	1049.3	1046.4	1052.2	1055.1	1060.9
50°	976.6	976.6	970.8	967.9	967.9	967.9	967.9	970.8	973.7	979.5	985.3
52.5°	895.2	895.2	892.3	889.4	886.5	886.5	895.2	892.3	895.2	898.1	906.8
55°	816.7	819.6	813.8	813.8	810.9	810.9	810.9	813.8	816.7	819.6	828.4
57.5°	749.9	749.9	744.1	744.1	744.1	741.2	749.9	744.1	747.0	749.9	755.7
60°	683.0	680.1	680.1	677.2	677.2	677.2	683.0	680.1	680.1	683.0	688.8
62.5°	622.0	622.0	619.1	619.1	616.2	616.2	622.0	619.1	619.1	622.0	624.9
65°	552.2	552.2	549.3	546.4	555.1	546.4	555.1	549.3	555.1	558.1	563.9
67.5°	473.8	473.8	473.8	470.9	470.9	476.7	479.6	473.8	476.7	482.5	485.4
70°	404.0	404.0	401.1	401.1	401.1	406.9	409.8	404.0	406.9	409.8	415.6
72.5°	343.0	337.2	337.2	334.3	340.1	340.1	343.0	340.1	343.0	343.0	348.8
75°	281.9	276.1	276.1	276.1	281.9	279.0	281.9	279.0	281.9	281.9	284.8
77.5°	226.7	223.8	220.9	220.9	226.7	226.7	226.7	223.8	226.7	229.6	232.5
80°	177.3	174.4	171.5	171.5	177.3	177.3	177.3	180.2	177.3	180.2	183.1
82.5°	130.8	127.9	125.0	130.8	130.8	130.8	130.8	133.7	130.8	133.7	136.6
85°	87.2	84.3	81.4	87.2	87.2	87.2	87.2	90.1	87.2	90.1	93.0
87.5°	46.5	43.6	43.6	46.5	46.5	46.5	49.4	49.4	49.4	52.3	52.3
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6862.3	6871.0	6868.1	6850.7	6833.3	6812.9	6798.4	6801.3	6830.4	6839.1	6812.9
5°	6574.6	6629.8	6629.8	6667.6	6647.2	6629.8	6641.4	6705.4	6737.3	6786.8	6804.2
7.5°	6278.1	6304.3	6301.4	6339.1	6333.3	6333.3	6342.1	6426.3	6467.0	6507.7	6519.4
10°	6112.4	6138.6	6135.7	6138.6	6129.9	6109.5	6109.5	6147.3	6182.2	6202.5	6208.4
12.5°	5993.3	6007.8	6004.9	6004.9	5999.1	5981.6	5978.7	6010.7	6048.5	6074.7	6077.6
15°	5816.0	5856.7	5865.4	5903.2	5894.4	5871.2	5877.0	5903.2	5926.4	5949.7	5941.0
17.5°	5551.5	5571.8	5574.7	5589.3	5583.4	5583.4	5618.3	5714.2	5778.2	5833.4	5839.2
20°	5400.3	5414.9	5409.1	5441.0	5426.5	5423.6	5432.3	5473.0	5502.1	5528.2	5574.7
22.5°	5327.7	5339.3	5330.6	5333.5	5307.3	5284.1	5278.3	5310.2	5342.2	5377.1	5377.1
25°	5266.6	5275.4	5272.4	5266.6	5246.3	5214.3	5208.5	5214.3	5225.9	5228.9	5208.5
27.5°	5194.0	5199.8	5199.8	5202.7	5176.5	5147.5	5141.7	5135.8	5147.5	5144.6	5112.6
30°	5118.4	5109.7	5112.6	5115.5	5092.2	5066.1	5054.5	5051.6	5063.2	5060.3	5028.3
32.5°	4938.2	5005.0	5010.9	5016.7	4996.3	4973.1	4961.5	4952.7	4958.5	4955.6	4926.6
35°	1130.6	1151.0	1409.7	3191.4	4333.6	4798.7	4848.1	4836.5	4839.4	4839.4	4816.1
37.5°	1133.5	1130.6	1127.7	1119.0	1110.3	1104.5	1909.6	4072.1	4717.3	4720.2	4699.9
40°	1133.5	1130.6	1127.7	1121.9	1110.3	1101.6	1087.0	1075.4	1101.6	2424.0	4435.4
42.5°	1139.4	1133.5	1127.7	1121.9	1110.3	1098.7	1087.0	1072.5	1081.2	1075.4	1060.9
45°	1121.9	1119.0	1119.0	1116.1	1110.3	1098.7	1084.1	1066.7	1058.0	1066.7	1052.2
47.5°	1066.7	1069.6	1078.3	1081.2	1081.2	1084.1	1075.4	1063.8	1049.3	1058.0	1040.5
50°	991.1	996.9	999.8	1014.4	1020.2	1031.8	1034.7	1034.7	1031.8	1043.4	1031.8
52.5°	909.7	915.6	930.1	935.9	941.7	959.2	965.0	973.7	979.5	996.9	1008.6
55°	831.3	834.2	840.0	851.6	860.3	874.9	883.6	892.3	906.8	915.6	950.4
57.5°	758.6	761.5	773.1	776.0	781.9	793.5	802.2	813.8	825.5	831.3	872.0
60°	688.8	691.8	700.5	703.4	706.3	717.9	726.6	735.4	744.1	749.9	779.0
62.5°	627.8	627.8	636.5	636.5	639.4	648.2	654.0	659.8	668.5	671.4	685.9
65°	566.8	569.7	575.5	575.5	578.4	584.2	587.1	590.0	598.7	598.7	610.4
67.5°	491.2	494.1	502.8	508.6	511.5	523.2	526.1	529.0	534.8	537.7	543.5
70°	418.5	421.4	430.2	433.1	436.0	444.7	450.5	459.2	468.0	476.7	482.5
72.5°	351.7	354.6	363.3	363.3	372.0	374.9	380.8	383.7	392.4	398.2	406.9
75°	287.7	290.7	299.4	299.4	308.1	311.0	313.9	316.8	322.6	328.4	334.3
77.5°	235.4	235.4	247.1	252.9	258.7	258.7	261.6	261.6	261.6	264.5	270.3
80°	186.0	186.0	194.7	200.6	206.4	206.4	209.3	212.2	215.1	215.1	218.0
82.5°	139.5	139.5	148.2	151.1	157.0	157.0	157.0	159.9	162.8	159.9	165.7
85°	95.9	95.9	101.7	104.6	110.4	110.4	110.4	113.4	116.3	113.4	116.3
87.5°	55.2	58.1	61.0	63.9	66.9	69.8	69.8	69.8	72.7	72.7	75.6
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6783.8	6749.0	6746.1	6705.4	6693.7	6696.7	6664.7	6653.1	6600.7	6589.1	6533.9
5°	6810.0	6827.4	6818.7	6815.8	6824.5	6818.7	6795.5	6783.8	6775.1	6751.9	6705.4
7.5°	6522.3	6533.9	6542.6	6580.4	6612.4	6667.6	6725.7	6763.5	6792.6	6798.4	6760.6
10°	6228.7	6283.9	6321.7	6379.8	6426.3	6458.3	6493.2	6525.2	6609.5	6693.7	6743.2
12.5°	6077.6	6092.1	6089.2	6121.2	6153.1	6237.4	6318.8	6365.3	6429.2	6467.0	6557.1
15°	5949.7	5952.6	5961.3	5984.5	6002.0	6031.1	6068.8	6138.6	6266.5	6324.6	6374.0
17.5°	5833.4	5833.4	5839.2	5859.6	5882.8	5909.0	5932.2	5961.3	6025.2	6121.2	6243.2
20°	5647.4	5728.8	5737.5	5734.6	5746.2	5795.6	5801.4	5853.8	5885.7	5923.5	6042.7
22.5°	5371.3	5420.7	5490.4	5598.0	5638.7	5661.9	5679.4	5702.6	5752.0	5795.6	5845.0
25°	5220.1	5252.1	5272.4	5304.4	5388.7	5525.3	5551.5	5577.6	5609.6	5641.6	5702.6
27.5°	5086.4	5083.5	5098.1	5127.1	5150.4	5223.0	5350.9	5452.7	5458.5	5505.0	5557.3
30°	4990.5	4973.1	4952.7	4946.9	4978.9	5016.7	5054.5	5214.3	5324.8	5348.0	5403.2
32.5°	4900.4	4871.3	4842.3	4819.0	4798.7	4830.7	4853.9	4923.7	5066.1	5199.8	5228.9
35°	4790.0	4760.9	4726.0	4699.9	4667.9	4665.0	4662.1	4728.9	4775.4	4935.3	5074.8
37.5°	4676.6	4644.6	4615.6	4586.5	4554.5	4531.3	4516.8	4534.2	4577.8	4647.5	4880.1
40°	4557.4	4519.7	4490.6	4467.3	4423.7	4406.3	4377.2	4365.6	4368.5	4429.6	4551.6
42.5°	2723.4	4342.4	4356.9	4330.7	4292.9	4269.7	4237.7	4223.2	4194.1	4223.2	4292.9
45°	1049.3	1060.9	3176.8	4197.0	4150.5	4121.5	4092.4	4077.9	4045.9	4022.6	4086.6
47.5°	1028.9	1040.5	1017.3	1441.6	3961.6	3970.3	3935.4	3920.9	3888.9	3871.5	3854.1
50°	1014.4	1023.1	1005.7	1011.5	991.1	3630.3	3775.6	3758.1	3723.3	3702.9	3668.0
52.5°	999.8	999.8	988.2	973.7	967.9	970.8	3054.8	3592.5	3551.8	3531.4	3484.9
55°	953.3	959.2	970.8	947.5	941.7	938.8	930.1	2909.4	3362.9	3339.6	3298.9
57.5°	883.6	895.2	927.2	921.4	921.4	898.1	892.3	892.3	2700.2	3144.9	3104.2
60°	802.2	813.8	848.7	860.3	869.1	863.2	857.4	854.5	842.9	2845.5	2897.8
62.5°	717.9	729.5	741.2	779.0	790.6	805.1	822.5	813.8	802.2	802.2	2679.8
65°	627.8	645.3	651.1	685.9	700.5	726.6	741.2	761.5	755.7	752.8	767.3
67.5°	549.3	569.7	572.6	587.1	613.3	624.9	642.3	680.1	697.6	703.4	709.2
70°	482.5	494.1	502.8	508.6	526.1	529.0	561.0	587.1	613.3	642.3	651.1
72.5°	415.6	424.4	441.8	436.0	441.8	453.4	470.9	488.3	514.5	555.1	581.3
75°	340.1	345.9	357.5	363.3	374.9	383.7	395.3	409.8	433.1	453.4	488.3
77.5°	273.2	276.1	284.8	287.7	299.4	308.1	328.4	337.2	351.7	366.2	386.6
80°	220.9	220.9	223.8	223.8	232.5	241.2	255.8	264.5	281.9	293.6	293.6
82.5°	168.6	168.6	177.3	177.3	183.1	183.1	191.8	191.8	200.6	206.4	212.2
85°	119.2	122.1	127.9	125.0	130.8	127.9	133.7	139.5	142.4	139.5	136.6
87.5°	78.5	78.5	84.3	81.4	84.3	84.3	90.1	90.1	93.0	93.0	90.1
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6513.5	6469.9	6443.8	6411.8	6403.1	6394.4	6406.0	6406.0	6388.6	6374.0	6347.9
5°	6664.7	6618.2	6568.8	6516.4	6467.0	6414.7	6394.4	6391.5	6359.5	6342.1	6333.3
7.5°	6743.2	6719.9	6664.7	6592.0	6516.4	6423.4	6382.7	6359.5	6327.5	6321.7	6321.7
10°	6751.9	6725.7	6696.7	6644.3	6557.1	6435.1	6356.6	6310.1	6281.0	6301.4	6339.1
12.5°	6667.6	6717.0	6690.8	6656.0	6586.2	6438.0	6324.6	6254.9	6246.1	6298.5	6397.3
15°	6452.5	6597.8	6670.5	6635.6	6580.4	6432.2	6272.3	6190.9	6190.9	6298.5	6426.3
17.5°	6289.7	6403.1	6580.4	6609.5	6545.5	6420.5	6222.9	6127.0	6153.1	6310.1	6446.7
20°	6156.0	6225.8	6397.3	6560.0	6499.0	6394.4	6150.2	6051.4	6103.7	6292.6	6475.8
22.5°	5946.8	6086.3	6190.9	6432.2	6452.5	6345.0	6077.6	5958.4	6063.0	6292.6	6461.2
25°	5743.3	5911.9	6022.3	6257.8	6382.7	6283.9	6010.7	5859.6	6019.4	6283.9	6449.6
27.5°	5600.9	5679.4	5879.9	6048.5	6278.1	6202.5	5920.6	5752.0	5964.2	6237.4	6382.7
30°	5449.7	5502.1	5699.7	5859.6	6138.6	6109.5	5827.6	5632.9	5894.4	6193.8	6208.4
32.5°	5284.1	5342.2	5443.9	5676.5	5943.9	6022.3	5723.0	5513.7	5818.9	6127.0	6004.9
35°	5115.5	5159.1	5240.5	5490.4	5717.1	5891.5	5595.1	5377.1	5766.6	6025.2	5810.2
37.5°	4946.9	4993.4	5063.2	5272.4	5478.8	5769.5	5484.6	5240.5	5670.6	5845.0	5606.7
40°	4787.1	4813.2	4885.9	5016.7	5281.2	5644.5	5359.6	5098.1	5571.8	5615.4	5330.6
42.5°	4493.5	4624.3	4691.1	4795.8	5057.4	5473.0	5214.3	4946.9	5461.4	5385.8	5054.5
45°	4176.7	4461.5	4490.6	4595.2	4859.7	5289.9	5077.7	4798.7	5356.7	5188.2	4792.9
47.5°	3918.0	4124.4	4292.9	4380.1	4624.3	5074.8	4949.8	4673.7	5199.8	4938.2	4537.1
50°	3688.4	3798.8	4104.0	4168.0	4342.4	4816.1	4798.7	4528.4	4981.8	4624.3	4287.1
52.5°	3464.6	3543.1	3819.2	3955.8	4098.2	4537.1	4618.5	4386.0	4743.5	4310.4	4034.3
55°	3269.8	3296.0	3447.1	3734.9	3862.8	4255.2	4420.8	4220.3	4441.2	4011.0	3790.1
57.5°	3069.3	3046.0	3156.5	3525.6	3618.6	3967.4	4211.6	4051.7	4197.0	3705.8	3537.2
60°	2860.0	2828.1	2874.6	3118.7	3360.0	3682.6	3964.5	3865.7	3900.6	3403.5	3255.3
62.5°	2642.0	2610.1	2595.5	2749.6	3107.1	3389.0	3714.5	3659.3	3537.2	3127.4	2906.5
65°	2415.3	2383.4	2360.1	2421.1	2828.1	3008.3	3435.5	3421.0	3139.1	2836.8	2447.3
67.5°	735.4	2168.3	2118.9	2116.0	2383.4	2662.4	3133.2	3110.0	2738.0	2525.8	2107.2
70°	662.7	1758.5	1868.9	1842.7	1959.0	2310.7	2787.4	2769.9	2348.5	2025.9	1863.1
72.5°	607.5	622.0	1650.9	1621.8	1648.0	1964.8	2427.0	2380.4	1991.0	1598.6	1610.2
75°	520.3	546.4	569.7	1369.0	1334.1	1627.7	2034.6	1961.9	1642.2	1319.6	1345.7
77.5°	424.4	456.3	473.8	996.9	1078.3	1159.7	1624.8	1528.8	1130.6	1055.1	502.8
80°	316.8	343.0	372.0	398.2	819.6	810.9	1206.2	1110.3	787.7	656.9	392.4
82.5°	232.5	241.2	258.7	287.7	325.5	543.5	776.0	683.0	546.4	299.4	270.3
85°	145.3	157.0	165.7	174.4	197.6	325.5	383.7	305.2	229.6	183.1	171.5
87.5°	93.0	93.0	90.1	93.0	95.9	116.3	130.8	125.0	98.8	93.0	93.0
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6318.8	6278.1	6278.1	6266.5	6275.2	6275.2	6272.3	6275.2	6295.5	6307.2	6327.5
5°	6315.9	6304.3	6330.4	6362.4	6400.2	6446.7	6458.3	6499.0	6536.8	6586.2	6638.5
7.5°	6353.7	6394.4	6443.8	6496.1	6571.7	6626.9	6676.3	6725.7	6760.6	6807.1	6836.2
10°	6408.9	6490.3	6574.6	6641.4	6722.8	6769.3	6801.3	6807.1	6757.7	6679.2	6615.3
12.5°	6487.4	6583.3	6661.8	6725.7	6763.5	6746.1	6653.1	6557.1	6501.9	6420.5	6307.2
15°	6554.2	6641.4	6722.8	6696.7	6594.9	6499.0	6426.3	6313.0	6202.5	6127.0	6077.6
17.5°	6583.3	6667.6	6638.5	6501.9	6406.0	6295.5	6147.3	6060.1	5987.5	5929.3	5900.3
20°	6600.7	6586.2	6429.2	6330.4	6144.4	6042.7	5946.8	5865.4	5810.2	5781.1	5775.3
22.5°	6554.2	6376.9	6243.2	6065.9	5929.3	5845.0	5769.5	5702.6	5664.8	5641.6	5627.0
25°	6400.2	6193.8	5996.2	5856.7	5740.4	5667.7	5609.6	5554.4	5507.9	5496.3	5467.2
27.5°	6185.1	6016.5	5754.9	5647.4	5545.7	5510.8	5446.8	5391.6	5350.9	5316.0	5223.0
30°	6007.8	5740.4	5551.5	5452.7	5391.6	5350.9	5278.3	5220.1	5150.4	5022.5	4970.2
32.5°	5789.8	5525.3	5345.1	5289.9	5214.3	5179.4	5098.1	4970.2	4862.6	4810.3	4807.4
35°	5507.9	5289.9	5159.1	5109.7	5048.6	4990.5	4821.9	4705.7	4653.4	4659.2	4702.8
37.5°	5272.4	5077.7	4993.4	4923.7	4853.9	4705.7	4563.3	4508.0	4522.6	4551.6	4572.0
40°	5034.1	4885.9	4790.0	4734.7	4577.8	4432.5	4356.9	4377.2	4403.4	4423.7	4449.9
42.5°	4801.6	4697.0	4601.0	4493.5	4278.4	4199.9	4217.4	4243.5	4266.8	4295.9	4322.0
45°	4580.7	4487.7	4377.2	4133.1	4025.5	4045.9	4072.1	4092.4	4127.3	4147.6	4173.8
47.5°	4371.4	4272.6	4077.9	3862.8	3851.2	3891.8	3915.1	3941.3	3967.4	3915.1	2159.6
50°	4136.0	4034.3	3737.8	3656.4	3682.6	3720.4	3749.4	3775.6	3362.9	1337.0	1028.9
52.5°	3903.5	3644.8	3455.9	3479.1	3505.3	3548.9	3569.2	2650.8	1055.1	1005.7	1008.6
55°	3644.8	3313.4	3258.2	3287.3	3310.5	3354.1	2223.5	973.7	967.9	965.0	988.2
57.5°	3237.9	3037.3	3060.6	3089.6	3112.9	2197.3	947.5	941.7	944.6	947.5	950.4
60°	2874.6	2831.0	2857.1	2883.3	2040.4	915.6	898.1	901.0	912.7	903.9	880.7
62.5°	2586.8	2621.7	2647.9	2319.4	869.1	860.3	869.1	860.3	840.0	825.5	796.4
65°	2365.9	2400.8	2421.1	816.7	813.8	825.5	816.7	787.7	755.7	715.0	706.3
67.5°	2133.4	2168.3	776.0	755.7	767.3	752.8	717.9	683.0	659.8	624.9	610.4
70°	1892.2	810.9	703.4	700.5	680.1	656.9	619.1	584.2	555.1	540.6	526.1
72.5°	1366.1	642.3	633.6	610.4	575.5	543.5	511.5	491.2	476.7	468.0	459.2
75°	569.7	558.1	531.9	491.2	456.3	441.8	418.5	404.0	398.2	380.8	374.9
77.5°	476.7	453.4	415.6	386.6	366.2	357.5	340.1	322.6	313.9	311.0	299.4
80°	366.2	334.3	316.8	302.3	296.5	276.1	255.8	247.1	241.2	238.3	229.6
82.5°	250.0	238.3	226.7	206.4	206.4	197.6	188.9	183.1	177.3	177.3	171.5
85°	162.8	154.0	151.1	142.4	142.4	136.6	133.7	130.8	127.9	125.0	122.1
87.5°	93.0	93.0	95.9	93.0	93.0	90.1	87.2	84.3	81.4	81.4	75.6
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6353.7	6382.7	6388.6	6487.4	6542.6	6539.7	6522.3	6574.6	6542.6	6525.2	6542.6
5°	6690.8	6725.7	6754.8	6862.3	6900.1	6917.5	6914.6	6943.7	6920.5	6900.1	6900.1
7.5°	6856.5	6868.1	6879.8	6853.6	6836.2	6807.1	6763.5	6699.6	6667.6	6632.7	6589.1
10°	6583.3	6545.5	6560.0	6507.7	6464.1	6432.2	6391.5	6339.1	6295.5	6263.6	6214.2
12.5°	6249.0	6246.1	6252.0	6260.7	6217.1	6190.9	6158.9	6121.2	6089.2	6054.3	6013.6
15°	6045.6	6048.5	6071.7	6063.0	6048.5	6034.0	5999.1	5987.5	5958.4	5920.6	5897.4
17.5°	5900.3	5914.8	5938.0	5926.4	5903.2	5888.6	5862.5	5836.3	5810.2	5781.1	5746.2
20°	5772.4	5786.9	5801.4	5786.9	5743.3	5723.0	5688.1	5606.7	5548.6	5490.4	5438.1
22.5°	5632.9	5641.6	5630.0	5583.4	5473.0	5420.7	5380.0	5356.7	5307.3	5275.4	5243.4
25°	5458.5	5409.1	5333.5	5281.2	5237.6	5214.3	5196.9	5194.0	5188.2	5182.3	5167.8
27.5°	5173.6	5156.2	5115.5	5095.2	5098.1	5106.8	5109.7	5118.4	5109.7	5098.1	5086.4
30°	4961.5	4970.2	4973.1	4978.9	4993.4	5002.1	5005.0	5016.7	5010.9	5002.1	4996.3
32.5°	4827.7	4848.1	4859.7	4877.2	4885.9	4900.4	4900.4	4917.9	4900.4	4897.5	4891.7
35°	4717.3	4734.7	4740.6	4766.7	4775.4	4790.0	4790.0	4804.5	4790.0	4641.7	3665.1
37.5°	4606.9	4624.3	4635.9	4659.2	4662.1	4670.8	4310.4	3153.6	2034.6	1575.3	1203.3
40°	4476.1	4496.4	4508.0	4516.8	3173.9	2014.2	1386.4	1127.7	1127.7	1136.5	1145.2
42.5°	4336.5	4351.1	3031.5	1764.3	1098.7	1095.8	1104.5	1113.2	1121.9	1133.5	1145.2
45°	3409.4	1720.7	1092.9	1066.7	1075.4	1087.0	1098.7	1110.3	1124.8	1136.5	1142.3
47.5°	1119.0	1049.3	1063.8	1052.2	1066.7	1081.2	1092.9	1104.5	1107.4	1110.3	1107.4
50°	1034.7	1034.7	1043.4	1043.4	1055.1	1060.9	1060.9	1060.9	1049.3	1046.4	1037.6
52.5°	999.8	1023.1	1011.5	1017.3	1011.5	1002.8	994.0	985.3	967.9	962.1	950.4
55°	982.4	991.1	962.1	953.3	941.7	918.5	906.8	895.2	880.7	874.9	860.3
57.5°	941.7	921.4	889.4	874.9	854.5	831.3	819.6	810.9	796.4	790.6	781.9
60°	866.1	825.5	805.1	787.7	764.4	744.1	735.4	729.5	717.9	715.0	706.3
62.5°	773.1	738.3	720.8	697.6	680.1	668.5	659.8	656.9	645.3	645.3	639.4
65°	671.4	654.0	639.4	616.2	607.5	595.8	592.9	590.0	584.2	581.3	575.5
67.5°	590.0	578.4	558.1	546.4	540.6	531.9	526.1	520.3	508.6	502.8	494.1
70°	517.4	508.6	488.3	479.6	468.0	453.4	444.7	438.9	430.2	424.4	415.6
72.5°	447.6	421.4	406.9	398.2	389.5	374.9	372.0	366.2	357.5	354.6	345.9
75°	360.4	340.1	331.3	325.5	316.8	308.1	308.1	308.1	299.4	296.5	293.6
77.5°	287.7	276.1	270.3	264.5	261.6	255.8	247.1	244.1	235.4	235.4	232.5
80°	220.9	215.1	209.3	206.4	203.5	197.6	191.8	188.9	180.2	180.2	177.3
82.5°	162.8	159.9	157.0	154.0	151.1	148.2	139.5	136.6	130.8	130.8	127.9
85°	116.3	113.4	107.5	104.6	104.6	101.7	93.0	90.1	84.3	84.3	84.3
87.5°	72.7	69.8	66.9	63.9	61.0	58.1	52.3	49.4	49.4	43.6	40.7
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6507.7	6557.1	6551.3	6586.2	6594.9	6612.4	6618.2	6621.1	6577.5	6612.4	6615.3
5°	6891.4	6900.1	6905.9	6920.5	6935.0	6937.9	6923.4	6905.9	6911.7	6900.1	6871.0
7.5°	6583.3	6539.7	6531.0	6519.4	6513.5	6507.7	6481.6	6504.8	6478.7	6467.0	6426.3
10°	6205.4	6164.8	6161.8	6161.8	6170.6	6167.7	6161.8	6150.2	6173.5	6158.9	6150.2
12.5°	6007.8	5993.3	6002.0	5996.2	6019.4	6025.2	6019.4	6019.4	6013.6	6002.0	6007.8
15°	5888.6	5877.0	5885.7	5877.0	5894.4	5897.4	5882.8	5891.5	5877.0	5862.5	5856.7
17.5°	5731.7	5705.5	5685.2	5656.1	5659.0	5653.2	5635.8	5635.8	5621.2	5583.4	5586.4
20°	5429.4	5403.2	5391.6	5391.6	5406.1	5412.0	5409.1	5414.9	5400.3	5394.5	5371.3
22.5°	5240.5	5237.6	5243.4	5257.9	5281.2	5313.1	5316.0	5316.0	5316.0	5313.1	5284.1
25°	5173.6	5173.6	5179.4	5199.8	5217.2	5240.5	5246.3	5252.1	5246.3	5246.3	5220.1
27.5°	5098.1	5092.2	5103.9	5124.2	5144.6	5162.0	5176.5	5179.4	5170.7	5170.7	5179.4
30°	5005.0	5002.1	5016.7	5037.0	5054.5	5071.9	5086.4	5098.1	5086.4	5086.4	5077.7
32.5°	4909.1	4909.1	4914.9	4792.9	4444.1	4002.3	4011.0	3755.2	3577.9	3354.1	3650.6
35°	3063.5	2229.3	1915.4	1621.8	1415.5	1281.8	1278.9	1235.3	1214.9	1200.4	1197.5
37.5°	1156.8	1162.6	1174.2	1180.1	1188.8	1194.6	1197.5	1197.5	1197.5	1197.5	1194.6
40°	1153.9	1165.5	1174.2	1183.0	1191.7	1197.5	1197.5	1200.4	1203.3	1203.3	1203.3
42.5°	1156.8	1168.4	1180.1	1188.8	1194.6	1197.5	1200.4	1203.3	1203.3	1203.3	1203.3
45°	1153.9	1159.7	1159.7	1162.6	1162.6	1162.6	1165.5	1165.5	1162.6	1159.7	1165.5
47.5°	1110.3	1110.3	1101.6	1098.7	1095.8	1089.9	1092.9	1089.9	1087.0	1084.1	1089.9
50°	1034.7	1023.1	1017.3	1011.5	1008.6	1002.8	1005.7	1002.8	999.8	994.0	1002.8
52.5°	944.6	941.7	930.1	924.3	921.4	924.3	918.5	915.6	912.7	909.7	912.7
55°	857.4	845.8	842.9	837.1	834.2	837.1	834.2	831.3	828.4	825.5	828.4
57.5°	779.0	770.2	767.3	761.5	761.5	761.5	761.5	758.6	755.7	752.8	755.7
60°	703.4	697.6	694.7	694.7	691.8	691.8	691.8	688.8	685.9	685.9	688.8
62.5°	639.4	639.4	630.7	627.8	627.8	630.7	627.8	624.9	622.0	619.1	624.9
65°	572.6	561.0	558.1	552.2	546.4	549.3	546.4	543.5	540.6	537.7	543.5
67.5°	491.2	488.3	476.7	470.9	468.0	470.9	468.0	465.0	462.1	459.2	465.0
70°	412.7	412.7	401.1	398.2	395.3	395.3	392.4	392.4	389.5	386.6	392.4
72.5°	343.0	343.0	340.1	334.3	331.3	328.4	325.5	322.6	322.6	325.5	325.5
75°	284.8	279.0	267.4	270.3	267.4	264.5	264.5	261.6	258.7	264.5	261.6
77.5°	223.8	220.9	212.2	215.1	212.2	209.3	209.3	206.4	203.5	206.4	206.4
80°	168.6	168.6	165.7	162.8	162.8	159.9	157.0	157.0	154.0	157.0	157.0
82.5°	122.1	122.1	119.2	116.3	113.4	113.4	110.4	110.4	110.4	110.4	110.4
85°	78.5	75.6	75.6	69.8	69.8	69.8	66.9	66.9	66.9	66.9	66.9
87.5°	37.8	37.8	34.9	34.9	32.0	29.1	29.1	26.2	26.2	29.1	29.1
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6562.9	6600.7	6568.8	6583.3	6586.2	6635.6	6632.7	6644.3	6624.0	6600.7	6568.8
5°	6897.2	6879.8	6856.5	6911.7	6882.7	6917.5	6929.2	6952.4	6952.4	6949.5	6923.4
7.5°	6469.9	6432.2	6461.2	6481.6	6490.3	6467.0	6513.5	6565.9	6609.5	6635.6	6638.5
10°	6135.7	6147.3	6144.4	6153.1	6173.5	6170.6	6199.6	6228.7	6240.3	6257.8	6263.6
12.5°	5978.7	5975.8	5981.6	6002.0	6013.6	6010.7	6039.8	6057.2	6063.0	6065.9	6063.0
15°	5853.8	5833.4	5847.9	5850.8	5859.6	5859.6	5894.4	5920.6	5932.2	5938.0	5932.2
17.5°	5618.3	5568.9	5615.4	5615.4	5647.4	5641.6	5696.8	5740.4	5763.7	5781.1	5781.1
20°	5385.8	5362.6	5380.0	5374.2	5397.4	5394.5	5429.4	5458.5	5478.8	5493.3	5510.8
22.5°	5292.8	5298.6	5272.4	5275.4	5275.4	5272.4	5289.9	5304.4	5310.2	5319.0	5313.1
25°	5231.8	5237.6	5228.9	5214.3	5208.5	5214.3	5223.0	5240.5	5243.4	5237.6	5217.2
27.5°	5170.7	5153.3	5167.8	5141.7	5135.8	5147.5	5159.1	5162.0	5164.9	5164.9	5147.5
30°	5077.7	5063.2	5077.7	5066.1	5054.5	5066.1	5074.8	5074.8	5080.6	5083.5	5063.2
32.5°	3548.9	3577.9	4048.8	4333.6	4734.7	4938.2	4976.0	4976.0	4981.8	4981.8	4964.4
35°	1209.1	1212.0	1310.8	1421.3	1656.7	1947.4	2328.1	2525.8	3194.3	3993.6	4766.7
37.5°	1194.6	1191.7	1188.8	1185.9	1183.0	1180.1	1174.2	1171.3	1188.8	1409.7	1912.5
40°	1200.4	1197.5	1191.7	1188.8	1185.9	1180.1	1177.1	1171.3	1165.5	1159.7	1153.9
42.5°	1200.4	1197.5	1194.6	1191.7	1188.8	1185.9	1180.1	1174.2	1168.4	1159.7	1151.0
45°	1159.7	1159.7	1162.6	1162.6	1165.5	1165.5	1165.5	1162.6	1162.6	1159.7	1148.1
47.5°	1084.1	1084.1	1092.9	1092.9	1098.7	1104.5	1104.5	1110.3	1119.0	1124.8	1127.7
50°	996.9	996.9	1005.7	1008.6	1014.4	1023.1	1031.8	1034.7	1043.4	1055.1	1066.7
52.5°	909.7	909.7	918.5	918.5	924.3	933.0	941.7	944.6	956.2	967.9	982.4
55°	828.4	828.4	834.2	837.1	840.0	845.8	854.5	854.5	866.1	874.9	889.4
57.5°	755.7	761.5	761.5	761.5	764.4	770.2	776.0	776.0	784.8	793.5	805.1
60°	685.9	691.8	691.8	691.8	694.7	697.6	703.4	703.4	709.2	715.0	726.6
62.5°	622.0	627.8	627.8	630.7	630.7	633.6	639.4	636.5	642.3	645.3	654.0
65°	540.6	546.4	549.3	552.2	555.1	561.0	569.7	566.8	575.5	581.3	590.0
67.5°	462.1	468.0	468.0	470.9	473.8	479.6	485.4	485.4	494.1	499.9	511.5
70°	389.5	395.3	395.3	398.2	401.1	406.9	412.7	409.8	418.5	424.4	433.1
72.5°	322.6	328.4	328.4	331.3	331.3	337.2	343.0	348.8	348.8	354.6	360.4
75°	261.6	264.5	267.4	267.4	270.3	273.2	279.0	284.8	287.7	290.7	296.5
77.5°	206.4	209.3	212.2	212.2	215.1	218.0	220.9	232.5	238.3	241.2	241.2
80°	157.0	159.9	159.9	159.9	162.8	165.7	171.5	171.5	183.1	183.1	186.0
82.5°	110.4	113.4	113.4	113.4	116.3	122.1	125.0	127.9	133.7	136.6	136.6
85°	66.9	69.8	69.8	69.8	72.7	75.6	81.4	84.3	87.2	87.2	90.1
87.5°	26.2	29.1	32.0	32.0	34.9	37.8	40.7	43.6	46.5	46.5	49.4
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6533.9	6554.2	6533.9	6545.5	6560.0	6533.9	6472.8	6449.6	6440.9	6406.0	6382.7
5°	6897.2	6897.2	6888.5	6911.7	6908.8	6868.1	6804.2	6775.1	6746.1	6708.3	6679.2
7.5°	6638.5	6661.8	6676.3	6766.4	6824.5	6830.4	6871.0	6879.8	6891.4	6879.8	6862.3
10°	6266.5	6257.8	6298.5	6382.7	6432.2	6458.3	6536.8	6574.6	6606.5	6670.5	6737.3
12.5°	6057.2	6068.8	6086.3	6147.3	6193.8	6182.2	6214.2	6240.3	6278.1	6342.1	6438.0
15°	5917.7	5929.3	5946.8	5993.3	6022.3	6007.8	6025.2	6042.7	6068.8	6100.8	6158.9
17.5°	5766.6	5786.9	5807.3	5856.7	5882.8	5879.9	5894.4	5900.3	5909.0	5929.3	5970.0
20°	5531.1	5595.1	5635.8	5702.6	5740.4	5734.6	5760.7	5769.5	5781.1	5801.4	5818.9
22.5°	5316.0	5333.5	5353.8	5426.5	5490.4	5568.9	5586.4	5609.6	5638.7	5659.0	5676.5
25°	5194.0	5182.3	5191.1	5240.5	5275.4	5281.2	5307.3	5382.9	5461.4	5496.3	5536.9
27.5°	5121.3	5109.7	5106.8	5130.0	5135.8	5121.3	5115.5	5138.7	5196.9	5255.0	5377.1
30°	5042.8	5028.3	5016.7	5037.0	5045.7	5025.4	4987.6	4967.3	5002.1	5016.7	5066.1
32.5°	4949.8	4935.3	4929.5	4941.1	4946.9	4929.5	4888.8	4865.5	4859.7	4848.1	4859.7
35°	4845.2	4830.7	4821.9	4824.8	4836.5	4821.9	4787.1	4758.0	4743.5	4711.5	4688.2
37.5°	2496.7	3537.2	4592.3	4702.8	4714.4	4711.5	4676.6	4644.6	4630.1	4592.3	4580.7
40°	1142.3	1276.0	1915.4	2502.5	3609.9	4586.5	4554.5	4522.6	4496.4	4484.8	4441.2
42.5°	1139.4	1142.3	1145.2	1130.6	1400.9	2386.3	3522.7	4397.6	4380.1	4351.1	4319.1
45°	1139.4	1124.8	1136.5	1119.0	1124.8	1121.9	1398.0	2255.5	4013.9	4194.1	4179.6
47.5°	1127.7	1119.0	1130.6	1116.1	1098.7	1107.4	1095.8	1110.3	1732.3	2938.5	4025.5
50°	1075.4	1081.2	1101.6	1098.7	1084.1	1095.8	1075.4	1092.9	1078.3	1183.0	2278.7
52.5°	996.9	1008.6	1028.9	1046.4	1052.2	1066.7	1060.9	1066.7	1055.1	1058.0	1060.9
55°	903.9	918.5	935.9	962.1	973.7	996.9	1014.4	1023.1	1037.6	1034.7	1011.5
57.5°	816.7	831.3	845.8	872.0	898.1	909.7	941.7	959.2	996.9	988.2	982.4
60°	735.4	747.0	761.5	767.3	799.3	819.6	848.7	866.1	915.6	927.2	944.6
62.5°	662.7	668.5	680.1	688.8	709.2	729.5	744.1	773.1	799.3	837.1	863.2
65°	595.8	601.7	610.4	616.2	619.1	648.2	656.9	688.8	697.6	738.3	761.5
67.5°	520.3	531.9	543.5	549.3	555.1	572.6	578.4	592.9	613.3	630.7	659.8
70°	441.8	450.5	462.1	470.9	482.5	494.1	511.5	520.3	534.8	546.4	569.7
72.5°	369.1	377.8	383.7	392.4	401.1	409.8	424.4	444.7	456.3	476.7	482.5
75°	299.4	308.1	313.9	319.7	328.4	334.3	340.1	360.4	372.0	389.5	406.9
77.5°	247.1	247.1	252.9	270.3	267.4	267.4	273.2	284.8	293.6	305.2	322.6
80°	191.8	194.7	197.6	212.2	215.1	218.0	215.1	223.8	232.5	235.4	247.1
82.5°	142.4	145.3	145.3	154.0	162.8	162.8	162.8	165.7	174.4	177.3	183.1
85°	95.9	98.8	101.7	104.6	110.4	113.4	116.3	116.3	122.1	125.0	127.9
87.5°	52.3	58.1	61.0	63.9	66.9	69.8	72.7	75.6	78.5	81.4	84.3
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-LD5-200HL-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°	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1	6342.1
2.5°	6374.0	6359.5	6350.8	6327.5	6321.7	6283.9	6289.7	6283.9	6283.9	6292.6	6321.7
5°	6647.2	6577.5	6560.0	6510.6	6469.9	6400.2	6356.6	6333.3	6298.5	6283.9	6304.3
7.5°	6833.3	6780.9	6737.3	6693.7	6635.6	6554.2	6493.2	6423.4	6365.3	6310.1	6295.5
10°	6801.3	6859.4	6859.4	6833.3	6778.0	6696.7	6624.0	6536.8	6435.1	6347.9	6295.5
12.5°	6531.0	6632.7	6714.1	6775.1	6830.4	6775.1	6702.5	6632.7	6519.4	6391.5	6295.5
15°	6234.5	6339.1	6440.9	6568.8	6702.5	6757.7	6754.8	6673.4	6571.7	6438.0	6304.3
17.5°	6025.2	6097.9	6153.1	6292.6	6455.4	6597.8	6693.7	6699.6	6600.7	6481.6	6307.2
20°	5868.3	5920.6	5967.1	6045.6	6188.0	6362.4	6539.7	6638.5	6621.1	6490.3	6315.9
22.5°	5725.9	5763.7	5801.4	5859.6	5972.9	6086.3	6292.6	6496.1	6583.3	6475.8	6307.2
25°	5583.4	5624.1	5653.2	5693.9	5784.0	5877.0	6022.3	6275.2	6469.9	6464.1	6289.7
27.5°	5414.9	5470.1	5505.0	5560.2	5621.2	5691.0	5789.8	6028.1	6307.2	6406.0	6243.2
30°	5211.4	5292.8	5345.1	5406.1	5458.5	5519.5	5598.0	5743.3	6089.2	6292.6	6193.8
32.5°	4917.9	5063.2	5179.4	5237.6	5295.7	5348.0	5417.8	5539.9	5821.8	6138.6	6138.6
35°	4708.6	4775.4	4880.1	5048.6	5121.3	5173.6	5237.6	5333.5	5513.7	5955.5	6048.5
37.5°	4545.8	4572.0	4624.3	4790.0	4926.6	5010.9	5074.8	5135.8	5313.1	5705.5	5932.2
40°	4423.7	4415.0	4409.2	4487.7	4682.4	4816.1	4888.8	4949.8	5086.4	5406.1	5778.2
42.5°	4281.3	4272.6	4243.5	4263.9	4359.8	4583.6	4694.0	4760.9	4874.3	5092.2	5609.6
45°	4133.1	4118.6	4106.9	4086.6	4121.5	4246.4	4473.2	4572.0	4635.9	4830.7	5397.4
47.5°	3981.9	3961.6	3947.1	3929.6	3909.3	3967.4	4182.5	4359.8	4470.2	4592.3	5141.7
50°	3766.9	3793.0	3775.6	3755.2	3737.8	3726.2	3816.3	4106.9	4243.5	4342.4	4830.7
52.5°	1775.9	3453.0	3598.3	3577.9	3554.7	3534.3	3554.7	3775.6	4022.6	4101.1	4455.7
55°	1011.5	1537.6	3200.1	3383.2	3362.9	3333.8	3316.4	3391.9	3761.1	3865.7	4112.7
57.5°	973.7	976.6	1412.6	3049.0	3162.3	3136.1	3115.8	3133.2	3447.1	3624.4	3813.4
60°	941.7	941.7	941.7	1348.6	2915.3	2924.0	2897.8	2868.7	3005.4	3354.1	3511.1
62.5°	872.0	889.4	898.1	898.1	1331.2	2700.2	2674.0	2665.3	2671.1	3028.6	3208.8
65°	781.9	822.5	840.0	851.6	851.6	1398.0	2444.4	2429.9	2409.5	2546.1	2903.6
67.5°	683.0	723.7	761.5	784.8	787.7	813.8	1459.1	2188.6	2159.6	2162.5	2578.1
70°	581.3	616.2	656.9	691.8	723.7	738.3	761.5	1816.6	1912.5	1871.8	2209.0
72.5°	502.8	517.4	546.4	581.3	619.1	654.0	674.3	723.7	1659.6	1616.0	1680.0
75°	418.5	430.2	450.5	473.8	502.8	543.5	578.4	613.3	880.7	1354.4	1345.7
77.5°	325.5	345.9	369.1	383.7	398.2	427.3	473.8	508.6	543.5	915.6	1078.3
80°	250.0	264.5	276.1	290.7	308.1	328.4	345.9	386.6	427.3	459.2	825.5
82.5°	186.0	194.7	203.5	209.3	215.1	226.7	258.7	273.2	299.4	328.4	389.5
85°	130.8	136.6	142.4	145.3	148.2	151.1	162.8	165.7	191.8	197.6	235.4
87.5°	84.3	87.2	93.0	95.9	95.9	98.8	101.7	101.7	101.7	95.9	116.3
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-LD5-200HL-RW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	6342.1	6342.1
2.5°	6345.0	6391.5
5°	6336.2	6397.3
7.5°	6313.0	6371.1
10°	6278.1	6347.9
12.5°	6240.3	6307.2
15°	6208.4	6257.8
17.5°	6173.5	6202.5
20°	6127.0	6150.2
22.5°	6080.5	6068.8
25°	6028.1	6002.0
27.5°	5961.3	5911.9
30°	5900.3	5813.1
32.5°	5842.1	5699.7
35°	5763.7	5583.4
37.5°	5682.3	5464.3
40°	5586.4	5327.7
42.5°	5484.6	5191.1
45°	5356.7	5060.3
47.5°	5243.4	4903.3
50°	5086.4	4734.7
52.5°	4894.6	4577.8
55°	4667.9	4386.0
57.5°	4423.7	4185.4
60°	4162.2	3955.8
62.5°	3845.3	3717.5
65°	3473.3	3444.2
67.5°	2987.9	3142.0
70°	2450.2	2796.1
72.5°	2049.1	2429.9
75°	1680.0	2020.0
77.5°	1331.2	1584.1
80°	831.3	1159.7
82.5°	558.1	761.5
85°	337.2	363.3
87.5°	130.8	133.7
90°	0.0	0.0

(END OF REPORT)