

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-LD5-136SL-LN-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 (P33519)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-136SL-LN-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

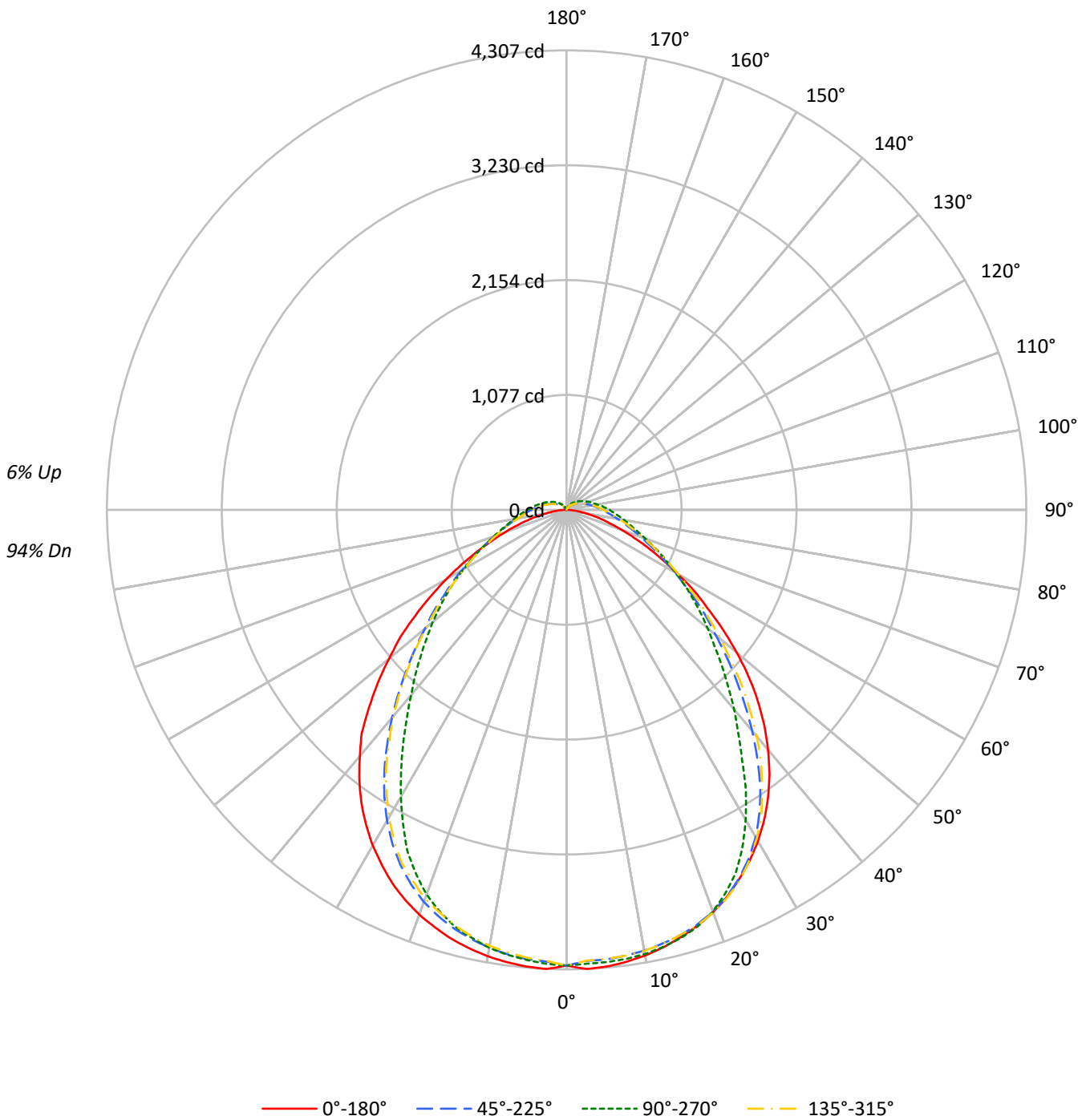
Lumens per Lamp: N/A  
Luminaire Lumens: 10810.9 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 110  
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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	107	103	98	95	104	100	96	92	94	91	88	89	87	85	85	83	81	79				
2	98	90	84	78	95	88	82	77	83	78	74	79	75	72	75	72	69	67				
3	90	80	72	66	87	78	71	65	74	68	63	71	66	61	67	63	60	57				
4	83	72	63	57	80	70	62	56	67	60	55	64	58	53	61	56	52	50				
5	77	64	56	50	74	63	55	49	60	53	48	58	52	47	55	50	46	44				
6	71	58	50	44	69	57	49	43	55	48	42	52	46	42	50	45	41	39				
7	66	53	45	39	64	52	44	39	50	43	38	48	42	37	46	41	37	35				
8	62	49	41	35	60	48	40	35	46	39	34	44	38	34	43	37	33	31				
9	58	45	37	32	56	44	37	31	42	36	31	41	35	30	40	34	30	28				
10	54	42	34	29	53	41	34	29	39	33	28	38	32	28	37	31	27	26				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	17261	17261	17261	17261
5°	17407	16711	17407	16637
10°	17354	16267	17383	16041
15°	17266	15781	17345	15370
20°	17159	15156	17260	14516
25°	16910	14229	17097	13391
30°	16580	12867	16797	11912
35°	16051	11197	16360	10426
40°	15280	9793	15683	9086
45°	14251	8513	14714	8025
50°	12833	7480	13398	7103
55°	11139	6606	11949	6272
60°	9410	5800	10261	5466
65°	7760	5128	8543	4754
70°	6228	4551	6973	4209
75°	4956	4202	5580	3866
80°	3666	4054	4320	3705
85°	2403	4077	3233	3748



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.0	3.7
10°-20°	1161.3	10.7
20°-30°	1721.1	15.9
30°-40°	1912.1	17.7
40°-50°	1733.3	16.0
50°-60°	1343.1	12.4
60°-70°	912.1	8.4
70°-80°	580.3	5.4
80°-90°	371.0	3.4
90°-100°	250.1	2.3
100°-110°	171.3	1.6
110°-120°	114.3	1.1
120°-130°	71.1	0.7
130°-140°	39.3	0.4
140°-150°	18.4	0.2
150°-160°	6.8	0.1
160°-170°	0.4	0.0
170°-180°	0.0	0.0
0°-30°	3287.4	30.4
0°-40°	5199.5	48.1
0°-60°	8275.9	76.6
0°-90°	10139.2	93.8
90°-120°	535.7	5.0
90°-150°	664.5	6.1
90°-180°	672.0	6.2
0°-180°	10810.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4272	4272	4272	4272	4272	
5°	4298	4255	4298	4237	4298	408
15°	4145	4152	4164	4044	4145	1170
25°	3821	3750	3863	3529	3821	1760
35°	3290	2867	3353	2669	3290	2052
45°	2533	2049	2615	1932	2533	1945
55°	1617	1440	1734	1368	1617	1456
65°	839	968	924	898	839	841
75°	336	646	378	594	336	362
85°	61	465	82	428	61	73
90°	0	402	5	367	0	4
95°	2	343	0	320	2	2
105°	2	251	0	237	2	2
115°	2	190	0	176	2	2
125°	2	141	2	124	2	2
135°	2	99	2	80	2	2
145°	2	63	2	45	2	1
155°	2	35	2	16	2	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9
2.5°	4307.1	4302.4	4297.7	4290.7	4297.7	4316.5	4304.8	4278.9	4274.2	4231.9	4250.7
5°	4297.7	4290.7	4286.0	4278.9	4288.3	4311.8	4300.1	4276.6	4269.5	4229.6	4250.7
7.5°	4274.2	4269.5	4262.5	4262.5	4271.9	4295.4	4286.0	4260.1	4255.4	4215.5	4239.0
10°	4241.3	4239.0	4234.3	4234.3	4243.7	4271.9	4260.1	4236.6	4231.9	4194.3	4220.2
12.5°	4199.0	4201.4	4194.3	4194.3	4208.4	4236.6	4227.2	4201.4	4196.7	4163.8	4189.6
15°	4145.0	4147.3	4142.6	4145.0	4159.1	4192.0	4180.2	4156.7	4152.0	4126.2	4147.3
17.5°	4083.9	4086.2	4086.2	4083.9	4100.3	4133.2	4123.8	4102.7	4095.6	4074.5	4100.3
20°	4013.4	4013.4	4013.4	4013.4	4032.2	4065.1	4053.3	4036.9	4022.8	4006.4	4027.5
22.5°	3926.5	3924.1	3926.5	3933.5	3952.3	3978.2	3971.1	3952.3	3931.2	3921.8	3938.2
25°	3820.7	3827.8	3830.1	3837.2	3860.7	3881.8	3874.8	3856.0	3823.1	3816.0	3820.7
27.5°	3710.3	3715.0	3722.0	3719.7	3752.6	3773.7	3759.6	3743.2	3696.2	3689.1	3684.4
30°	3585.7	3592.8	3597.5	3595.1	3621.0	3644.5	3630.4	3609.2	3545.8	3541.1	3503.5
32.5°	3444.8	3451.8	3456.5	3456.5	3494.1	3503.5	3477.7	3447.1	3379.0	3362.5	3329.6
35°	3289.7	3296.7	3299.1	3299.1	3336.7	3334.3	3301.4	3259.1	3183.9	3162.8	3106.4
37.5°	3122.8	3127.5	3129.9	3144.0	3160.4	3146.3	3104.0	3050.0	2993.6	2934.9	2873.8
40°	2934.9	2941.9	2946.6	2956.0	2972.5	2956.0	2894.9	2829.1	2768.0	2702.2	2641.1
42.5°	2742.2	2763.3	2758.6	2756.3	2765.7	2721.0	2674.0	2598.8	2537.7	2469.6	2408.5
45°	2533.0	2530.7	2542.4	2547.1	2544.8	2507.2	2441.4	2373.3	2312.2	2241.7	2190.0
47.5°	2312.2	2309.8	2319.2	2323.9	2309.8	2269.9	2218.2	2140.6	2088.9	2027.8	1987.9
50°	2079.5	2079.5	2093.6	2079.5	2072.5	2032.5	1990.3	1912.7	1872.8	1818.7	1795.2
52.5°	1846.9	1868.1	1854.0	1849.3	1842.2	1802.3	1769.4	1705.9	1673.0	1649.5	1621.3
55°	1616.6	1640.1	1630.7	1623.7	1621.3	1588.4	1557.9	1510.9	1489.8	1473.3	1456.9
57.5°	1421.6	1419.3	1414.6	1407.5	1409.9	1384.0	1353.5	1327.6	1318.2	1311.2	1315.9
60°	1196.0	1214.8	1207.8	1210.1	1212.5	1207.8	1181.9	1165.5	1167.8	1170.2	1177.2
62.5°	1010.4	1026.8	1038.6	1029.2	1033.9	1040.9	1026.8	1022.1	1031.5	1040.9	1050.3
65°	838.9	855.3	867.1	864.7	878.8	892.9	890.6	895.3	916.4	928.2	939.9
67.5°	683.8	700.2	716.7	719.0	740.2	761.3	770.7	787.2	810.7	827.1	841.2
70°	549.8	563.9	582.7	594.5	622.7	650.9	667.3	700.2	714.3	737.8	747.2
72.5°	430.0	441.8	467.6	495.8	519.3	554.5	587.4	615.6	636.8	662.6	674.4
75°	336.0	340.7	368.9	401.8	434.7	474.7	509.9	540.4	568.6	594.5	613.3
77.5°	246.7	253.8	279.6	324.3	361.9	404.2	444.1	477.0	507.5	533.4	559.2
80°	171.5	185.6	213.8	258.5	300.8	347.8	385.4	423.0	455.9	481.7	507.5
82.5°	110.4	122.2	162.1	206.8	251.4	298.4	338.4	376.0	411.2	439.4	462.9
85°	61.1	77.5	117.5	164.5	209.1	256.1	298.4	336.0	371.3	397.1	420.6
87.5°	23.5	47.0	84.6	129.2	173.9	218.5	263.2	298.4	333.7	361.9	383.0
90°	0.0	28.2	63.4	108.1	152.7	197.4	239.7	277.3	310.2	336.0	359.5
92.5°	2.3	18.8	49.3	86.9	129.2	171.5	211.5	249.1	282.0	307.8	329.0
95°	2.3	14.1	39.9	75.2	112.8	152.7	190.3	225.6	256.1	282.0	303.1
97.5°	2.3	9.4	32.9	65.8	98.7	138.6	173.9	206.8	235.0	260.8	277.3
100°	2.3	9.4	28.2	56.4	89.3	124.5	157.4	190.3	216.2	237.3	256.1
102.5°	2.3	7.0	23.5	49.3	79.9	110.4	143.3	173.9	197.4	218.5	237.3
105°	2.3	7.0	21.1	42.3	70.5	101.0	129.2	157.4	183.3	202.1	218.5
107.5°	2.3	4.7	18.8	35.2	61.1	91.6	119.8	143.3	166.8	185.6	202.1
110°	2.3	4.7	16.4	32.9	54.0	82.2	108.1	131.6	152.7	171.5	185.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.3	4.7	14.1	30.5	49.3	72.8	98.7	119.8	141.0	157.4	171.5
115°	2.3	4.7	14.1	28.2	44.6	63.4	86.9	110.4	126.9	145.7	157.4
117.5°	2.3	4.7	11.7	23.5	42.3	58.7	79.9	98.7	117.5	133.9	145.7
120°	2.3	4.7	11.7	21.1	37.6	54.0	70.5	89.3	108.1	119.8	131.6
122.5°	2.3	4.7	9.4	21.1	32.9	49.3	63.4	79.9	96.3	110.4	122.2
125°	2.3	4.7	9.4	18.8	30.5	44.6	58.7	70.5	86.9	98.7	110.4
127.5°	2.3	4.7	9.4	16.4	28.2	39.9	54.0	65.8	77.5	89.3	98.7
130°	2.3	4.7	7.0	14.1	25.8	35.2	47.0	61.1	70.5	79.9	89.3
132.5°	2.3	4.7	7.0	14.1	21.1	30.5	42.3	54.0	63.4	72.8	79.9
135°	2.3	4.7	7.0	11.7	18.8	28.2	35.2	47.0	56.4	65.8	72.8
137.5°	2.3	4.7	7.0	11.7	16.4	23.5	30.5	39.9	49.3	56.4	65.8
140°	2.3	4.7	7.0	9.4	14.1	21.1	28.2	32.9	42.3	49.3	56.4
142.5°	2.3	4.7	7.0	9.4	14.1	18.8	23.5	28.2	35.2	42.3	49.3
145°	2.3	4.7	7.0	9.4	11.7	16.4	21.1	25.8	28.2	35.2	39.9
147.5°	2.3	4.7	7.0	9.4	9.4	14.1	18.8	21.1	25.8	28.2	32.9
150°	2.3	4.7	7.0	7.0	9.4	11.7	16.4	18.8	21.1	25.8	28.2
152.5°	2.3	4.7	7.0	7.0	9.4	11.7	14.1	16.4	18.8	21.1	23.5
155°	2.3	4.7	7.0	7.0	7.0	9.4	11.7	14.1	16.4	18.8	21.1
157.5°	4.7	4.7	4.7	7.0	7.0	9.4	9.4	11.7	14.1	14.1	16.4
160°	4.7	4.7	4.7	7.0	7.0	7.0	9.4	9.4	11.7	11.7	14.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9
2.5°	4246.0	4253.1	4274.2	4274.2	4269.5	4264.8	4264.8	4257.8	4262.5	4271.9	4267.2
5°	4246.0	4253.1	4274.2	4274.2	4269.5	4264.8	4262.5	4255.4	4262.5	4271.9	4267.2
7.5°	4231.9	4241.3	4262.5	4262.5	4257.8	4255.4	4250.7	4246.0	4253.1	4262.5	4257.8
10°	4213.1	4222.5	4243.7	4243.7	4239.0	4239.0	4231.9	4227.2	4236.6	4243.7	4241.3
12.5°	4184.9	4196.7	4215.5	4213.1	4208.4	4210.8	4203.7	4194.3	4203.7	4210.8	4213.1
15°	4145.0	4159.1	4177.9	4173.2	4166.1	4170.8	4159.1	4152.0	4159.1	4173.2	4170.8
17.5°	4093.3	4102.7	4116.8	4116.8	4109.7	4105.0	4100.3	4093.3	4098.0	4107.4	4109.7
20°	4020.5	4032.2	4039.3	4032.2	4029.9	4022.8	4013.4	4006.4	4015.8	4029.9	4032.2
22.5°	3924.1	3926.5	3942.9	3926.5	3914.7	3912.4	3903.0	3888.9	3903.0	3914.7	3917.1
25°	3804.3	3816.0	3809.0	3780.8	3780.8	3762.0	3757.3	3750.2	3752.6	3773.7	3783.1
27.5°	3651.5	3656.2	3637.4	3613.9	3592.8	3581.0	3564.6	3566.9	3566.9	3595.1	3604.5
30°	3484.7	3458.9	3442.4	3404.8	3388.4	3360.2	3355.5	3355.5	3350.8	3364.9	3407.2
32.5°	3285.0	3249.7	3223.9	3188.6	3160.4	3132.2	3118.1	3125.2	3122.8	3158.1	3172.2
35°	3066.4	3045.3	2991.3	2946.6	2930.2	2887.9	2887.9	2866.7	2880.8	2920.8	2937.2
37.5°	2836.2	2803.3	2758.6	2709.3	2697.5	2664.6	2652.9	2641.1	2671.7	2678.7	2695.2
40°	2601.2	2570.6	2528.4	2481.4	2481.4	2441.4	2441.4	2441.4	2443.8	2457.9	2488.4
42.5°	2378.0	2345.1	2307.5	2274.6	2269.9	2239.3	2239.3	2237.0	2241.7	2253.4	2281.6
45°	2161.8	2135.9	2096.0	2079.5	2081.9	2049.0	2056.0	2049.0	2058.4	2070.1	2079.5
47.5°	1962.1	1945.6	1929.2	1905.7	1898.6	1896.3	1884.5	1875.1	1891.6	1891.6	1905.7
50°	1776.4	1767.0	1757.6	1743.5	1745.9	1736.5	1722.4	1722.4	1734.1	1736.5	1745.9
52.5°	1614.3	1602.5	1590.8	1593.1	1595.5	1590.8	1583.7	1576.7	1583.7	1588.4	1600.2
55°	1452.2	1442.8	1454.5	1449.8	1454.5	1449.8	1445.1	1440.4	1452.2	1445.1	1456.9
57.5°	1306.5	1315.9	1320.6	1311.2	1318.2	1313.5	1315.9	1308.8	1318.2	1322.9	1320.6
60°	1172.5	1186.6	1179.6	1181.9	1191.3	1186.6	1177.2	1184.3	1193.7	1196.0	1193.7
62.5°	1050.3	1066.8	1073.8	1069.1	1071.5	1066.8	1073.8	1064.4	1076.2	1080.9	1073.8
65°	939.9	958.7	963.4	963.4	963.4	958.7	965.8	968.1	972.8	972.8	968.1
67.5°	845.9	862.4	867.1	871.8	867.1	862.4	862.4	864.7	874.1	878.8	874.1
70°	761.3	777.8	780.1	780.1	782.5	787.2	777.8	782.5	789.5	791.9	789.5
72.5°	688.5	704.9	709.6	707.3	709.6	712.0	712.0	707.3	714.3	719.0	719.0
75°	629.7	639.1	643.8	643.8	646.2	648.5	648.5	646.2	650.9	653.2	655.6
77.5°	575.7	582.7	589.8	589.8	592.1	589.8	594.5	594.5	596.8	599.2	601.5
80°	521.6	531.0	535.7	538.1	542.8	545.1	545.1	545.1	547.5	549.8	549.8
82.5°	479.4	486.4	493.5	500.5	500.5	502.9	502.9	502.9	505.2	505.2	507.5
85°	437.1	446.5	453.5	458.2	460.6	462.9	462.9	465.3	465.3	465.3	467.6
87.5°	399.5	411.2	415.9	420.6	423.0	427.7	427.7	427.7	430.0	430.0	430.0
90°	373.6	385.4	390.1	394.8	397.1	399.5	399.5	401.8	401.8	404.2	404.2
92.5°	343.1	354.8	364.2	364.2	366.6	371.3	368.9	368.9	371.3	373.6	373.6
95°	319.6	329.0	336.0	338.4	340.7	340.7	340.7	343.1	340.7	343.1	343.1
97.5°	291.4	300.8	307.8	312.5	314.9	314.9	314.9	317.2	314.9	317.2	317.2
100°	267.9	277.3	284.3	286.7	291.4	291.4	291.4	291.4	291.4	291.4	293.7
102.5°	249.1	258.5	263.2	265.5	267.9	270.2	270.2	270.2	270.2	272.6	272.6
105°	230.3	239.7	244.4	246.7	249.1	251.4	251.4	251.4	253.8	253.8	251.4
107.5°	213.8	220.9	225.6	230.3	232.6	232.6	235.0	235.0	235.0	235.0	235.0
110°	197.4	204.4	211.5	216.2	216.2	218.5	218.5	220.9	220.9	218.5	220.9





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	180.9	190.3	195.0	199.7	202.1	204.4	204.4	204.4	204.4	204.4	204.4
115°	166.8	176.2	180.9	185.6	188.0	190.3	190.3	190.3	190.3	190.3	190.3
117.5°	155.1	164.5	169.2	171.5	173.9	176.2	178.6	178.6	178.6	178.6	176.2
120°	143.3	150.4	155.1	159.8	162.1	164.5	164.5	164.5	164.5	164.5	164.5
122.5°	131.6	138.6	143.3	148.0	150.4	152.7	152.7	152.7	152.7	152.7	152.7
125°	119.8	126.9	131.6	136.3	138.6	141.0	141.0	141.0	141.0	141.0	141.0
127.5°	108.1	115.1	122.2	124.5	126.9	129.2	129.2	129.2	131.6	129.2	129.2
130°	96.3	103.4	110.4	112.8	115.1	117.5	119.8	119.8	119.8	119.8	117.5
132.5°	86.9	94.0	98.7	101.0	105.7	105.7	108.1	108.1	108.1	108.1	105.7
135°	79.9	84.6	89.3	91.6	96.3	96.3	96.3	98.7	98.7	96.3	94.0
137.5°	70.5	75.2	79.9	82.2	84.6	86.9	86.9	89.3	86.9	86.9	86.9
140°	65.8	68.1	72.8	75.2	77.5	77.5	77.5	79.9	79.9	77.5	77.5
142.5°	56.4	61.1	65.8	68.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5
145°	47.0	54.0	56.4	61.1	61.1	63.4	63.4	63.4	63.4	63.4	61.1
147.5°	39.9	44.6	51.7	54.0	54.0	56.4	56.4	56.4	56.4	56.4	54.0
150°	30.5	35.2	42.3	47.0	47.0	49.3	49.3	49.3	49.3	47.0	47.0
152.5°	25.8	30.5	32.9	37.6	39.9	39.9	39.9	42.3	39.9	39.9	39.9
155°	23.5	25.8	28.2	30.5	32.9	35.2	35.2	35.2	35.2	32.9	32.9
157.5°	18.8	21.1	23.5	25.8	28.2	30.5	30.5	30.5	30.5	30.5	28.2
160°	14.1	16.4	18.8	18.8	21.1	23.5	25.8	23.5	23.5	23.5	23.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9
2.5°	4262.5	4260.1	4267.2	4255.4	4220.2	4229.6	4224.9	4246.0	4250.7	4255.4	4276.6
5°	4262.5	4260.1	4264.8	4255.4	4217.8	4224.9	4220.2	4241.3	4246.0	4248.4	4269.5
7.5°	4253.1	4250.7	4257.8	4246.0	4206.1	4215.5	4208.4	4229.6	4231.9	4234.3	4253.1
10°	4234.3	4231.9	4236.6	4227.2	4187.3	4196.7	4187.3	4208.4	4208.4	4213.1	4227.2
12.5°	4206.1	4201.4	4210.8	4199.0	4154.4	4166.1	4161.4	4175.5	4177.9	4180.2	4194.3
15°	4166.1	4161.4	4168.5	4161.4	4121.5	4123.8	4116.8	4137.9	4140.3	4135.6	4149.7
17.5°	4107.4	4102.7	4116.8	4112.1	4072.1	4081.5	4079.2	4083.9	4090.9	4079.2	4098.0
20°	4034.6	4039.3	4044.0	4046.3	4015.8	4015.8	4013.4	4022.8	4029.9	4020.5	4034.6
22.5°	3926.5	3938.2	3952.3	3957.0	3935.9	3933.5	3947.6	3942.9	3950.0	3945.3	3954.7
25°	3790.2	3813.7	3827.8	3841.9	3830.1	3834.8	3856.0	3860.7	3860.7	3858.3	3867.7
27.5°	3621.0	3651.5	3677.4	3707.9	3696.2	3705.6	3740.8	3745.5	3754.9	3745.5	3764.3
30°	3418.9	3447.1	3496.5	3541.1	3545.8	3559.9	3609.2	3613.9	3639.8	3630.4	3637.4
32.5°	3216.8	3230.9	3287.3	3332.0	3360.2	3395.4	3449.5	3458.9	3494.1	3501.2	3501.2
35°	2963.1	3003.0	3054.7	3118.1	3153.4	3191.0	3263.8	3277.9	3329.6	3346.1	3364.9
37.5°	2749.2	2786.8	2819.7	2885.5	2949.0	2991.3	3050.0	3085.2	3139.3	3169.8	3193.3
40°	2521.3	2551.8	2587.1	2652.9	2706.9	2770.4	2829.1	2871.4	2939.6	2974.8	3005.4
42.5°	2305.1	2328.6	2366.2	2413.2	2469.6	2540.1	2596.5	2645.8	2718.7	2768.0	2803.3
45°	2112.4	2126.5	2159.4	2194.7	2244.0	2316.9	2370.9	2434.4	2493.1	2544.8	2587.1
47.5°	1931.5	1950.3	1966.8	1990.3	2034.9	2079.5	2143.0	2204.1	2262.8	2319.2	2361.5
50°	1764.7	1764.7	1790.5	1807.0	1837.5	1877.5	1926.8	1969.1	2041.9	2081.9	2135.9
52.5°	1602.5	1611.9	1626.0	1635.4	1658.9	1684.8	1724.7	1760.0	1821.1	1858.7	1910.4
55°	1459.2	1468.6	1475.7	1480.4	1494.5	1525.0	1539.1	1567.3	1609.6	1640.1	1684.8
57.5°	1322.9	1327.6	1334.7	1337.0	1339.4	1358.2	1369.9	1377.0	1419.3	1449.8	1487.4
60°	1198.4	1198.4	1205.4	1203.1	1200.7	1210.1	1207.8	1214.8	1240.7	1259.5	1275.9
62.5°	1080.9	1080.9	1083.2	1078.5	1076.2	1076.2	1066.8	1073.8	1080.9	1083.2	1095.0
65°	972.8	984.6	975.2	977.5	963.4	958.7	954.0	939.9	937.6	928.2	932.9
67.5°	876.5	885.9	876.5	876.5	864.7	855.3	843.6	820.1	813.0	794.2	789.5
70°	798.9	791.9	796.6	789.5	775.4	763.7	747.2	728.4	704.9	681.4	665.0
72.5°	723.7	723.7	719.0	712.0	704.9	681.4	662.6	641.5	613.3	582.7	559.2
75°	650.9	653.2	653.2	646.2	634.4	613.3	592.1	561.6	531.0	495.8	465.3
77.5°	599.2	599.2	599.2	587.4	575.7	556.9	531.0	498.2	465.3	423.0	387.7
80°	549.8	547.5	547.5	533.4	521.6	500.5	474.7	441.8	406.5	361.9	321.9
82.5°	509.9	507.5	502.9	491.1	474.7	453.5	427.7	392.4	354.8	314.9	265.5
85°	467.6	465.3	460.6	448.8	432.4	413.6	385.4	350.1	312.5	267.9	220.9
87.5°	430.0	427.7	420.6	413.6	394.8	373.6	345.4	312.5	272.6	230.3	183.3
90°	404.2	399.5	394.8	385.4	368.9	345.4	317.2	282.0	242.0	199.7	152.7
92.5°	373.6	371.3	364.2	354.8	340.7	317.2	289.0	256.1	216.2	176.2	131.6
95°	343.1	340.7	336.0	326.6	312.5	291.4	265.5	232.6	195.0	155.1	115.1
97.5°	314.9	314.9	307.8	300.8	284.3	267.9	242.0	211.5	176.2	141.0	103.4
100°	291.4	291.4	284.3	274.9	263.2	246.7	220.9	192.7	159.8	126.9	89.3
102.5°	270.2	267.9	263.2	253.8	242.0	225.6	202.1	176.2	145.7	112.8	79.9
105°	251.4	249.1	244.4	235.0	225.6	206.8	188.0	162.1	131.6	101.0	70.5
107.5°	232.6	230.3	227.9	218.5	206.8	190.3	171.5	145.7	119.8	91.6	63.4
110°	216.2	213.8	209.1	199.7	188.0	173.9	155.1	133.9	108.1	82.2	56.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	202.1	199.7	195.0	185.6	176.2	159.8	143.3	119.8	98.7	75.2	49.3
115°	188.0	185.6	180.9	171.5	159.8	145.7	129.2	110.4	86.9	65.8	44.6
117.5°	173.9	171.5	166.8	159.8	148.0	133.9	117.5	98.7	77.5	61.1	39.9
120°	162.1	157.4	152.7	145.7	133.9	122.2	105.7	89.3	70.5	54.0	35.2
122.5°	150.4	145.7	141.0	133.9	122.2	110.4	94.0	79.9	65.8	49.3	32.9
125°	136.3	133.9	129.2	122.2	110.4	98.7	86.9	72.8	58.7	44.6	28.2
127.5°	124.5	122.2	117.5	108.1	98.7	89.3	77.5	65.8	51.7	37.6	25.8
130°	115.1	110.4	105.7	98.7	91.6	82.2	70.5	58.7	47.0	32.9	23.5
132.5°	103.4	98.7	94.0	89.3	82.2	72.8	63.4	51.7	42.3	30.5	21.1
135°	94.0	89.3	84.6	79.9	72.8	65.8	56.4	47.0	37.6	28.2	18.8
137.5°	82.2	79.9	77.5	72.8	65.8	58.7	51.7	39.9	32.9	25.8	16.4
140°	75.2	72.8	70.5	63.4	58.7	51.7	44.6	35.2	28.2	21.1	14.1
142.5°	68.1	65.8	61.1	56.4	51.7	47.0	37.6	32.9	25.8	18.8	14.1
145°	58.7	56.4	54.0	49.3	44.6	37.6	32.9	28.2	23.5	16.4	11.7
147.5°	54.0	51.7	47.0	42.3	37.6	32.9	30.5	25.8	18.8	14.1	9.4
150°	44.6	42.3	39.9	35.2	32.9	30.5	25.8	21.1	16.4	11.7	9.4
152.5°	37.6	35.2	32.9	32.9	28.2	25.8	21.1	18.8	14.1	11.7	7.0
155°	32.9	32.9	30.5	28.2	23.5	21.1	18.8	14.1	11.7	9.4	7.0
157.5°	28.2	25.8	23.5	23.5	21.1	18.8	14.1	11.7	9.4	9.4	7.0
160°	23.5	21.1	21.1	18.8	16.4	14.1	11.7	11.7	9.4	7.0	7.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9
2.5°	4278.9	4253.1	4276.6	4307.1	4307.1	4302.4	4297.7	4307.1	4330.6	4321.2	4293.0
5°	4271.9	4246.0	4267.2	4297.7	4297.7	4290.7	4286.0	4293.0	4318.9	4307.1	4281.3
7.5°	4257.8	4234.3	4248.4	4276.6	4276.6	4269.5	4264.8	4274.2	4295.4	4283.6	4255.4
10°	4231.9	4206.1	4222.5	4248.4	4246.0	4241.3	4234.3	4246.0	4264.8	4248.4	4215.5
12.5°	4199.0	4173.2	4187.3	4210.8	4208.4	4199.0	4194.3	4201.4	4217.8	4208.4	4173.2
15°	4154.4	4128.5	4140.3	4163.8	4156.7	4149.7	4140.3	4142.6	4163.8	4147.3	4109.7
17.5°	4100.3	4072.1	4081.5	4102.7	4095.6	4088.6	4076.8	4079.2	4102.7	4079.2	4039.3
20°	4034.6	4004.0	4011.1	4036.9	4025.2	4013.4	4001.7	4001.7	4025.2	3999.3	3954.7
22.5°	3964.1	3933.5	3938.2	3957.0	3947.6	3926.5	3914.7	3921.8	3933.5	3900.6	3853.6
25°	3877.1	3837.2	3844.2	3863.0	3856.0	3827.8	3816.0	3820.7	3816.0	3790.2	3740.8
27.5°	3776.1	3733.8	3738.5	3750.2	3740.8	3715.0	3700.9	3703.2	3693.8	3660.9	3604.5
30°	3649.2	3628.0	3625.7	3632.7	3618.6	3592.8	3576.3	3571.6	3569.3	3522.3	3454.2
32.5°	3520.0	3501.2	3489.4	3498.8	3482.4	3456.5	3428.3	3428.3	3404.8	3360.2	3301.4
35°	3388.4	3357.8	3346.1	3353.1	3334.3	3301.4	3277.9	3266.2	3230.9	3174.5	3111.1
37.5°	3219.2	3198.0	3183.9	3191.0	3169.8	3146.3	3101.7	3089.9	3052.3	2974.8	2894.9
40°	3035.9	3019.5	3005.4	3012.4	2988.9	2953.7	2913.7	2894.9	2852.6	2765.7	2702.2
42.5°	2838.5	2831.5	2815.0	2840.9	2793.9	2758.6	2718.7	2688.1	2645.8	2551.8	2479.0
45°	2629.4	2645.8	2608.2	2615.3	2584.7	2554.2	2511.9	2467.3	2425.0	2335.7	2253.4
47.5°	2408.5	2420.3	2394.4	2399.1	2366.2	2338.0	2300.4	2244.0	2197.0	2119.5	2046.6
50°	2180.6	2175.9	2175.9	2171.2	2145.3	2110.1	2072.5	2020.8	1973.8	1903.3	1842.2
52.5°	1938.6	1948.0	1952.7	1964.4	1931.5	1910.4	1851.6	1807.0	1771.7	1698.9	1647.2
55°	1705.9	1738.8	1729.4	1734.1	1696.5	1680.1	1633.1	1597.8	1546.1	1503.9	1471.0
57.5°	1494.5	1501.5	1506.2	1513.3	1496.8	1463.9	1426.3	1398.1	1358.2	1322.9	1299.4
60°	1290.0	1290.0	1292.4	1304.1	1287.7	1259.5	1231.3	1210.1	1181.9	1160.8	1146.7
62.5°	1097.3	1113.8	1116.1	1106.7	1085.6	1071.5	1052.7	1040.9	1022.1	1015.1	1010.4
65°	918.8	918.8	918.8	923.5	911.7	902.3	890.6	888.2	895.3	885.9	890.6
67.5°	768.4	761.3	756.6	759.0	754.3	749.6	747.2	754.3	768.4	768.4	780.1
70°	639.1	625.0	615.6	615.6	615.6	618.0	625.0	639.1	662.6	672.0	688.5
72.5°	533.4	502.9	488.8	488.8	491.1	500.5	521.6	547.5	568.6	587.4	608.6
75°	432.4	401.8	380.7	378.3	383.0	397.1	427.7	451.2	486.4	512.2	538.1
77.5°	350.1	312.5	286.7	284.3	291.4	312.5	350.1	380.7	420.6	448.8	477.0
80°	279.6	237.3	216.2	202.1	213.8	239.7	282.0	319.6	357.2	394.8	430.0
82.5°	223.2	183.3	150.4	136.3	150.4	185.6	225.6	270.2	307.8	347.8	383.0
85°	176.2	133.9	96.3	82.2	98.7	136.3	180.9	225.6	267.9	307.8	343.1
87.5°	138.6	96.3	58.7	39.9	61.1	101.0	143.3	188.0	232.6	272.6	307.8
90°	108.1	68.1	32.9	4.7	35.2	72.8	115.1	157.4	202.1	242.0	277.3
92.5°	91.6	51.7	18.8	0.0	21.1	54.0	94.0	136.3	176.2	216.2	251.4
95°	77.5	42.3	14.1	0.0	14.1	42.3	77.5	115.1	155.1	195.0	230.3
97.5°	65.8	32.9	9.4	0.0	9.4	32.9	63.4	101.0	136.3	173.9	206.8
100°	56.4	28.2	7.0	0.0	7.0	25.8	54.0	86.9	122.2	157.4	188.0
102.5°	49.3	23.5	4.7	0.0	4.7	21.1	44.6	75.2	105.7	138.6	169.2
105°	42.3	18.8	4.7	0.0	2.3	16.4	37.6	65.8	94.0	124.5	152.7
107.5°	37.6	16.4	4.7	0.0	2.3	14.1	32.9	56.4	84.6	110.4	136.3
110°	32.9	14.1	4.7	0.0	2.3	9.4	28.2	49.3	72.8	98.7	124.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	28.2	11.7	2.3	0.0	0.0	7.0	23.5	42.3	63.4	89.3	110.4
115°	25.8	11.7	2.3	0.0	0.0	4.7	18.8	37.6	56.4	79.9	98.7
117.5°	23.5	9.4	2.3	0.0	2.3	4.7	16.4	32.9	49.3	68.1	89.3
120°	21.1	9.4	2.3	0.0	2.3	2.3	11.7	28.2	42.3	61.1	77.5
122.5°	18.8	9.4	2.3	0.0	2.3	2.3	9.4	23.5	37.6	54.0	68.1
125°	16.4	7.0	4.7	2.3	2.3	2.3	7.0	18.8	32.9	44.6	61.1
127.5°	16.4	7.0	4.7	2.3	2.3	2.3	4.7	16.4	25.8	39.9	54.0
130°	14.1	7.0	4.7	2.3	2.3	2.3	2.3	11.7	23.5	32.9	44.6
132.5°	11.7	7.0	4.7	2.3	2.3	2.3	2.3	7.0	16.4	28.2	37.6
135°	11.7	7.0	4.7	2.3	2.3	2.3	2.3	4.7	11.7	21.1	30.5
137.5°	9.4	4.7	4.7	2.3	2.3	2.3	2.3	2.3	9.4	16.4	23.5
140°	9.4	4.7	4.7	2.3	2.3	2.3	2.3	2.3	7.0	11.7	18.8
142.5°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	9.4	14.1
145°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	9.4
147.5°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0
150°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7
152.5°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7
155°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
157.5°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7
160°	7.0	4.7	4.7	2.3	4.7	2.3	4.7	4.7	4.7	4.7	4.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9
2.5°	4283.6	4239.0	4262.5	4255.4	4264.8	4283.6	4281.3	4276.6	4276.6	4269.5	4260.1
5°	4269.5	4227.2	4248.4	4236.6	4248.4	4264.8	4262.5	4255.4	4260.1	4248.4	4236.6
7.5°	4241.3	4203.7	4222.5	4213.1	4222.5	4239.0	4231.9	4229.6	4234.3	4215.5	4208.4
10°	4208.4	4166.1	4187.3	4175.5	4187.3	4199.0	4194.3	4184.9	4194.3	4175.5	4168.5
12.5°	4156.7	4121.5	4135.6	4130.9	4137.9	4149.7	4140.3	4133.2	4137.9	4121.5	4107.4
15°	4100.3	4065.1	4076.8	4069.8	4074.5	4088.6	4072.1	4069.8	4065.1	4048.7	4044.0
17.5°	4027.5	3994.6	4006.4	3994.6	4001.7	3997.0	3994.6	3982.9	3982.9	3964.1	3950.0
20°	3938.2	3910.0	3903.0	3893.6	3903.0	3893.6	3879.5	3870.1	3867.7	3848.9	3837.2
22.5°	3834.8	3801.9	3806.6	3780.8	3783.1	3769.0	3745.5	3736.1	3726.7	3705.6	3689.1
25°	3710.3	3677.4	3653.9	3637.4	3616.3	3613.9	3583.4	3559.9	3557.5	3531.7	3529.4
27.5°	3569.3	3531.7	3512.9	3473.0	3447.1	3426.0	3400.1	3376.6	3364.9	3336.7	3317.9
30°	3407.2	3364.9	3317.9	3289.7	3249.7	3233.3	3188.6	3160.4	3151.0	3120.5	3106.4
32.5°	3223.9	3179.2	3141.6	3087.6	3042.9	3019.5	2974.8	2946.6	2934.9	2902.0	2883.2
35°	3024.2	2974.8	2930.2	2878.5	2843.2	2803.3	2749.2	2721.0	2695.2	2683.4	2669.3
37.5°	2815.0	2761.0	2709.3	2657.6	2627.0	2580.0	2533.0	2514.3	2483.7	2472.0	2457.9
40°	2598.8	2544.8	2495.5	2446.1	2410.9	2368.6	2326.3	2319.2	2286.3	2274.6	2265.2
42.5°	2385.0	2328.6	2272.2	2237.0	2211.1	2168.8	2140.6	2133.6	2105.4	2098.3	2098.3
45°	2192.3	2121.8	2074.8	2044.3	2023.2	1987.9	1964.4	1959.7	1936.2	1931.5	1931.5
47.5°	1985.6	1919.8	1884.5	1865.7	1846.9	1821.1	1807.0	1807.0	1783.5	1778.8	1776.4
50°	1792.9	1731.8	1705.9	1687.1	1684.8	1666.0	1654.2	1649.5	1649.5	1633.1	1635.4
52.5°	1609.6	1579.0	1557.9	1546.1	1532.0	1520.3	1510.9	1510.9	1503.9	1492.1	1496.8
55°	1440.4	1405.2	1407.5	1398.1	1391.1	1384.0	1386.4	1372.3	1369.9	1360.5	1367.6
57.5°	1271.2	1271.2	1266.5	1259.5	1247.7	1252.4	1252.4	1252.4	1240.7	1233.6	1240.7
60°	1127.9	1134.9	1123.2	1130.2	1125.5	1127.9	1123.2	1123.2	1116.1	1113.8	1116.1
62.5°	1001.0	1012.7	1008.1	1017.4	1012.7	1015.1	1019.8	1010.4	1005.7	1001.0	1005.7
65°	888.2	902.3	900.0	907.0	909.4	911.7	914.1	909.4	904.7	900.0	897.6
67.5°	789.5	803.6	813.0	815.4	817.7	824.8	822.4	817.7	813.0	806.0	803.6
70°	700.2	719.0	730.8	735.5	744.9	740.2	740.2	737.8	733.1	726.1	723.7
72.5°	625.0	646.2	657.9	662.6	672.0	672.0	669.7	667.3	662.6	655.6	653.2
75°	559.2	578.0	594.5	603.9	610.9	610.9	608.6	606.2	601.5	596.8	594.5
77.5°	507.5	524.0	538.1	549.8	554.5	556.9	554.5	549.8	549.8	547.5	545.1
80°	455.9	474.7	488.8	500.5	507.5	507.5	505.2	507.5	502.9	500.5	498.2
82.5°	411.2	432.4	448.8	460.6	465.3	467.6	465.3	467.6	462.9	462.9	462.9
85°	371.3	392.4	411.2	420.6	427.7	430.0	430.0	430.0	427.7	427.7	427.7
87.5°	338.4	359.5	378.3	387.7	394.8	397.1	397.1	399.5	394.8	394.8	394.8
90°	307.8	329.0	347.8	357.2	364.2	368.9	368.9	371.3	368.9	366.6	366.6
92.5°	279.6	303.1	321.9	331.3	338.4	345.4	345.4	347.8	343.1	343.1	343.1
95°	256.1	279.6	296.1	307.8	314.9	319.6	321.9	321.9	319.6	319.6	319.6
97.5°	235.0	256.1	272.6	284.3	291.4	293.7	296.1	298.4	296.1	296.1	296.1
100°	213.8	235.0	251.4	260.8	270.2	272.6	274.9	277.3	277.3	274.9	274.9
102.5°	195.0	216.2	230.3	242.0	249.1	253.8	256.1	256.1	256.1	256.1	256.1
105°	176.2	197.4	211.5	223.2	230.3	235.0	237.3	239.7	239.7	237.3	237.3
107.5°	159.8	178.6	195.0	204.4	213.8	218.5	220.9	220.9	223.2	220.9	220.9
110°	143.3	164.5	178.6	188.0	197.4	202.1	204.4	206.8	206.8	206.8	206.8



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	131.6	148.0	162.1	171.5	180.9	185.6	188.0	190.3	192.7	190.3	190.3
115°	117.5	133.9	148.0	157.4	164.5	169.2	173.9	176.2	176.2	178.6	176.2
117.5°	105.7	119.8	133.9	143.3	150.4	157.4	159.8	162.1	164.5	162.1	162.1
120°	94.0	108.1	119.8	129.2	136.3	143.3	145.7	148.0	150.4	148.0	148.0
122.5°	84.6	96.3	108.1	117.5	124.5	129.2	133.9	133.9	136.3	136.3	136.3
125°	75.2	86.9	96.3	105.7	112.8	117.5	119.8	122.2	122.2	124.5	124.5
127.5°	65.8	75.2	86.9	94.0	101.0	105.7	108.1	110.4	110.4	112.8	112.8
130°	56.4	65.8	75.2	82.2	89.3	94.0	96.3	98.7	101.0	101.0	101.0
132.5°	49.3	58.7	65.8	72.8	77.5	82.2	86.9	89.3	89.3	89.3	89.3
135°	39.9	49.3	56.4	63.4	68.1	72.8	75.2	79.9	79.9	79.9	79.9
137.5°	32.9	42.3	49.3	54.0	58.7	63.4	65.8	68.1	70.5	70.5	70.5
140°	25.8	32.9	39.9	47.0	51.7	54.0	58.7	58.7	61.1	61.1	61.1
142.5°	18.8	25.8	30.5	37.6	42.3	47.0	49.3	51.7	51.7	51.7	51.7
145°	14.1	18.8	23.5	28.2	35.2	37.6	39.9	42.3	44.6	44.6	44.6
147.5°	9.4	14.1	16.4	21.1	25.8	30.5	32.9	35.2	37.6	37.6	37.6
150°	7.0	9.4	14.1	16.4	18.8	23.5	28.2	28.2	30.5	30.5	28.2
152.5°	4.7	7.0	9.4	11.7	14.1	16.4	21.1	21.1	23.5	23.5	23.5
155°	4.7	4.7	4.7	7.0	9.4	11.7	14.1	16.4	16.4	16.4	16.4
157.5°	4.7	4.7	4.7	4.7	4.7	7.0	9.4	11.7	11.7	11.7	11.7
160°	4.7	4.7	2.3	2.3	4.7	4.7	4.7	4.7	7.0	7.0	7.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9
2.5°	4267.2	4271.9	4271.9	4267.2	4264.8	4274.2	4262.5	4217.8	4231.9	4236.6	4250.7
5°	4246.0	4250.7	4250.7	4250.7	4246.0	4255.4	4243.7	4199.0	4215.5	4222.5	4231.9
7.5°	4215.5	4217.8	4222.5	4220.2	4215.5	4229.6	4217.8	4173.2	4184.9	4196.7	4208.4
10°	4175.5	4175.5	4177.9	4182.6	4177.9	4189.6	4177.9	4137.9	4149.7	4156.7	4170.8
12.5°	4121.5	4126.2	4128.5	4126.2	4123.8	4133.2	4128.5	4090.9	4095.6	4109.7	4123.8
15°	4048.7	4048.7	4060.4	4055.7	4055.7	4065.1	4069.8	4027.5	4034.6	4055.7	4069.8
17.5°	3959.4	3961.7	3971.1	3975.8	3973.5	3989.9	3992.3	3959.4	3957.0	3982.9	3997.0
20°	3844.2	3848.9	3860.7	3870.1	3870.1	3888.9	3895.9	3874.8	3877.1	3905.3	3910.0
22.5°	3703.2	3703.2	3724.4	3738.5	3750.2	3762.0	3783.1	3764.3	3764.3	3801.9	3823.1
25°	3529.4	3545.8	3552.8	3581.0	3597.5	3630.4	3649.2	3651.5	3653.9	3689.1	3703.2
27.5°	3336.7	3341.4	3362.5	3395.4	3414.2	3444.8	3480.0	3487.1	3498.8	3545.8	3566.9
30°	3118.1	3132.2	3141.6	3188.6	3214.5	3254.4	3299.1	3315.5	3324.9	3388.4	3414.2
32.5°	2894.9	2899.6	2939.6	2965.4	2996.0	3038.2	3089.9	3120.5	3139.3	3205.1	3242.7
35°	2671.7	2681.1	2714.0	2746.9	2777.4	2819.7	2873.8	2916.1	2949.0	3007.7	3057.0
37.5°	2467.3	2490.8	2497.8	2530.7	2554.2	2596.5	2634.1	2695.2	2728.1	2789.2	2852.6
40°	2284.0	2291.0	2295.7	2328.6	2345.1	2385.0	2439.1	2479.0	2523.7	2568.3	2643.5
42.5°	2103.0	2107.7	2114.8	2133.6	2152.4	2180.6	2220.5	2260.5	2307.5	2373.3	2422.6
45°	1936.2	1940.9	1945.6	1957.4	1973.8	1999.7	2025.5	2053.7	2100.7	2157.1	2208.8
47.5°	1781.1	1790.5	1790.5	1792.9	1804.6	1825.8	1844.6	1879.8	1905.7	1936.2	1995.0
50°	1633.1	1640.1	1642.5	1642.5	1649.5	1663.6	1668.3	1691.8	1715.3	1743.5	1785.8
52.5°	1494.5	1494.5	1492.1	1501.5	1501.5	1510.9	1513.3	1527.3	1543.8	1574.3	1593.1
55°	1362.9	1362.9	1369.9	1365.2	1365.2	1369.9	1367.6	1369.9	1384.0	1402.8	1419.3
57.5°	1236.0	1233.6	1240.7	1236.0	1233.6	1238.3	1243.0	1233.6	1236.0	1254.8	1254.8
60°	1109.1	1111.4	1118.5	1113.8	1113.8	1113.8	1109.1	1104.4	1099.7	1111.4	1116.1
62.5°	1008.1	1001.0	1008.1	1001.0	1005.7	1003.4	998.7	989.3	991.6	986.9	982.2
65°	902.3	902.3	904.7	897.6	902.3	902.3	895.3	892.9	878.8	874.1	862.4
67.5°	810.7	810.7	813.0	808.3	808.3	810.7	803.6	796.6	782.5	775.4	759.0
70°	730.8	730.8	730.8	728.4	728.4	728.4	723.7	714.3	700.2	688.5	667.3
72.5°	657.9	660.3	657.9	657.9	665.0	657.9	650.9	641.5	629.7	606.2	587.4
75°	599.2	601.5	599.2	599.2	599.2	596.8	594.5	580.4	566.3	547.5	519.3
77.5°	547.5	547.5	549.8	547.5	547.5	545.1	538.1	526.3	509.9	493.5	460.6
80°	498.2	500.5	502.9	505.2	500.5	498.2	491.1	481.7	460.6	441.8	408.9
82.5°	462.9	460.6	462.9	465.3	460.6	458.2	451.2	439.4	423.0	397.1	364.2
85°	427.7	425.3	425.3	427.7	425.3	420.6	413.6	401.8	385.4	359.5	326.6
87.5°	392.4	394.8	397.1	394.8	392.4	387.7	380.7	368.9	350.1	329.0	293.7
90°	366.6	366.6	366.6	366.6	364.2	359.5	352.5	338.4	321.9	296.1	265.5
92.5°	343.1	343.1	343.1	343.1	340.7	333.7	326.6	314.9	296.1	270.2	242.0
95°	319.6	321.9	319.6	319.6	314.9	312.5	300.8	289.0	272.6	246.7	216.2
97.5°	293.7	296.1	293.7	293.7	291.4	286.7	279.6	265.5	249.1	225.6	197.4
100°	274.9	274.9	272.6	272.6	270.2	265.5	256.1	244.4	227.9	204.4	176.2
102.5°	253.8	256.1	253.8	253.8	249.1	244.4	237.3	225.6	209.1	185.6	159.8
105°	237.3	237.3	235.0	235.0	230.3	225.6	218.5	204.4	190.3	169.2	143.3
107.5°	220.9	220.9	218.5	218.5	213.8	209.1	199.7	188.0	173.9	152.7	129.2
110°	204.4	204.4	204.4	202.1	197.4	190.3	183.3	171.5	157.4	138.6	115.1





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	192.7	190.3	188.0	185.6	180.9	176.2	166.8	155.1	141.0	124.5	103.4
115°	176.2	176.2	173.9	171.5	166.8	159.8	152.7	143.3	129.2	110.4	91.6
117.5°	162.1	162.1	159.8	157.4	152.7	145.7	138.6	129.2	115.1	98.7	82.2
120°	148.0	148.0	145.7	143.3	138.6	131.6	126.9	115.1	103.4	86.9	72.8
122.5°	136.3	133.9	133.9	129.2	126.9	119.8	112.8	103.4	91.6	77.5	63.4
125°	122.2	122.2	119.8	117.5	115.1	108.1	101.0	91.6	79.9	68.1	56.4
127.5°	110.4	110.4	108.1	105.7	103.4	96.3	89.3	82.2	70.5	58.7	47.0
130°	98.7	98.7	96.3	94.0	91.6	84.6	79.9	70.5	61.1	51.7	39.9
132.5°	89.3	89.3	86.9	84.6	79.9	75.2	70.5	61.1	54.0	44.6	35.2
135°	79.9	77.5	77.5	75.2	70.5	65.8	61.1	54.0	44.6	37.6	28.2
137.5°	70.5	68.1	65.8	63.4	61.1	56.4	51.7	47.0	39.9	30.5	23.5
140°	61.1	58.7	58.7	56.4	51.7	49.3	44.6	37.6	32.9	25.8	18.8
142.5°	51.7	51.7	49.3	47.0	44.6	42.3	37.6	32.9	25.8	21.1	14.1
145°	44.6	42.3	42.3	39.9	37.6	32.9	30.5	25.8	21.1	16.4	11.7
147.5°	35.2	35.2	35.2	32.9	30.5	28.2	25.8	21.1	16.4	11.7	7.0
150°	28.2	28.2	28.2	25.8	23.5	21.1	18.8	16.4	11.7	7.0	4.7
152.5°	23.5	23.5	21.1	21.1	18.8	16.4	14.1	11.7	7.0	4.7	4.7
155°	16.4	16.4	16.4	14.1	14.1	11.7	9.4	7.0	4.7	4.7	4.7
157.5°	11.7	11.7	11.7	9.4	9.4	7.0	7.0	4.7	4.7	4.7	4.7
160°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9	4271.9
2.5°	4243.7	4241.3	4260.1	4260.1	4239.0	4271.9	4307.1
5°	4229.6	4227.2	4246.0	4246.0	4227.2	4260.1	4297.7
7.5°	4201.4	4203.7	4222.5	4227.2	4203.7	4234.3	4274.2
10°	4170.8	4168.5	4189.6	4194.3	4175.5	4203.7	4241.3
12.5°	4121.5	4121.5	4142.6	4149.7	4130.9	4163.8	4199.0
15°	4069.8	4069.8	4083.9	4095.6	4079.2	4109.7	4145.0
17.5°	4004.0	4001.7	4015.8	4029.9	4013.4	4046.3	4083.9
20°	3919.4	3919.4	3935.9	3952.3	3940.6	3971.1	4013.4
22.5°	3830.1	3820.7	3848.9	3860.7	3853.6	3884.2	3926.5
25°	3717.3	3715.0	3743.2	3759.6	3750.2	3783.1	3820.7
27.5°	3595.1	3592.8	3621.0	3642.1	3637.4	3668.0	3710.3
30°	3447.1	3458.9	3484.7	3520.0	3508.2	3541.1	3585.7
32.5°	3292.0	3303.8	3334.3	3371.9	3374.3	3400.1	3444.8
35°	3106.4	3136.9	3158.1	3207.4	3216.8	3242.7	3289.7
37.5°	2911.4	2946.6	2991.3	3028.9	3047.6	3068.8	3122.8
40°	2692.8	2744.5	2793.9	2838.5	2862.0	2883.2	2934.9
42.5°	2495.5	2535.4	2582.4	2627.0	2669.3	2688.1	2742.2
45°	2272.2	2319.2	2361.5	2415.6	2457.9	2479.0	2533.0
47.5°	2053.7	2100.7	2157.1	2194.7	2239.3	2260.5	2312.2
50°	1844.6	1886.9	1933.9	1978.5	2016.1	2034.9	2079.5
52.5°	1637.8	1682.4	1727.1	1755.3	1795.2	1809.3	1846.9
55°	1454.5	1485.1	1525.0	1541.4	1581.4	1590.8	1616.6
57.5°	1278.3	1299.4	1313.5	1341.7	1369.9	1391.1	1421.6
60°	1118.5	1127.9	1137.3	1153.7	1177.2	1184.3	1196.0
62.5°	975.2	972.8	991.6	996.3	998.7	1022.1	1010.4
65°	848.3	850.6	834.2	827.1	836.5	843.6	838.9
67.5°	742.5	728.4	714.3	697.9	683.8	690.8	683.8
70°	639.1	627.4	603.9	580.4	571.0	556.9	549.8
72.5°	556.9	528.7	505.2	474.7	458.2	441.8	430.0
75°	493.5	453.5	420.6	387.7	364.2	340.7	336.0
77.5°	427.7	390.1	352.5	317.2	282.0	256.1	246.7
80°	376.0	340.7	296.1	253.8	216.2	183.3	171.5
82.5°	329.0	291.4	246.7	202.1	159.8	124.5	110.4
85°	289.0	249.1	204.4	159.8	117.5	79.9	61.1
87.5°	258.5	213.8	169.2	126.9	82.2	44.6	23.5
90°	230.3	188.0	145.7	101.0	58.7	23.5	0.0
92.5°	204.4	164.5	122.2	82.2	44.6	14.1	2.3
95°	180.9	145.7	103.4	65.8	32.9	9.4	2.3
97.5°	162.1	126.9	89.3	54.0	25.8	7.0	2.3
100°	145.7	110.4	77.5	44.6	21.1	4.7	2.3
102.5°	129.2	98.7	65.8	37.6	16.4	2.3	2.3
105°	115.1	86.9	56.4	32.9	14.1	2.3	2.3
107.5°	103.4	77.5	49.3	28.2	9.4	2.3	2.3
110°	91.6	65.8	42.3	23.5	7.0	2.3	2.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-136SL-LN-UNV-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	82.2	58.7	37.6	18.8	4.7	2.3	2.3
115°	72.8	51.7	32.9	16.4	4.7	2.3	2.3
117.5°	63.4	44.6	28.2	11.7	2.3	2.3	2.3
120°	56.4	39.9	23.5	9.4	2.3	2.3	2.3
122.5°	49.3	32.9	18.8	7.0	2.3	2.3	2.3
125°	42.3	28.2	16.4	4.7	2.3	2.3	2.3
127.5°	35.2	23.5	11.7	4.7	2.3	2.3	2.3
130°	30.5	18.8	9.4	2.3	2.3	2.3	2.3
132.5°	25.8	14.1	7.0	2.3	2.3	2.3	2.3
135°	21.1	11.7	4.7	2.3	2.3	2.3	2.3
137.5°	16.4	9.4	4.7	2.3	2.3	2.3	2.3
140°	11.7	7.0	2.3	2.3	2.3	2.3	2.3
142.5°	9.4	4.7	2.3	2.3	2.3	2.3	2.3
145°	7.0	4.7	2.3	2.3	2.3	2.3	2.3
147.5°	4.7	4.7	4.7	4.7	2.3	2.3	2.3
150°	4.7	4.7	2.3	2.3	4.7	2.3	2.3
152.5°	4.7	2.3	2.3	2.3	4.7	2.3	2.3
155°	4.7	4.7	4.7	4.7	4.7	4.7	2.3
157.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
160°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)