

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-LD5-134SL-LC-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 (P33518)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-134SL-LC-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR LENSED
Light Source: -
Ballast/Driver: -

Summary

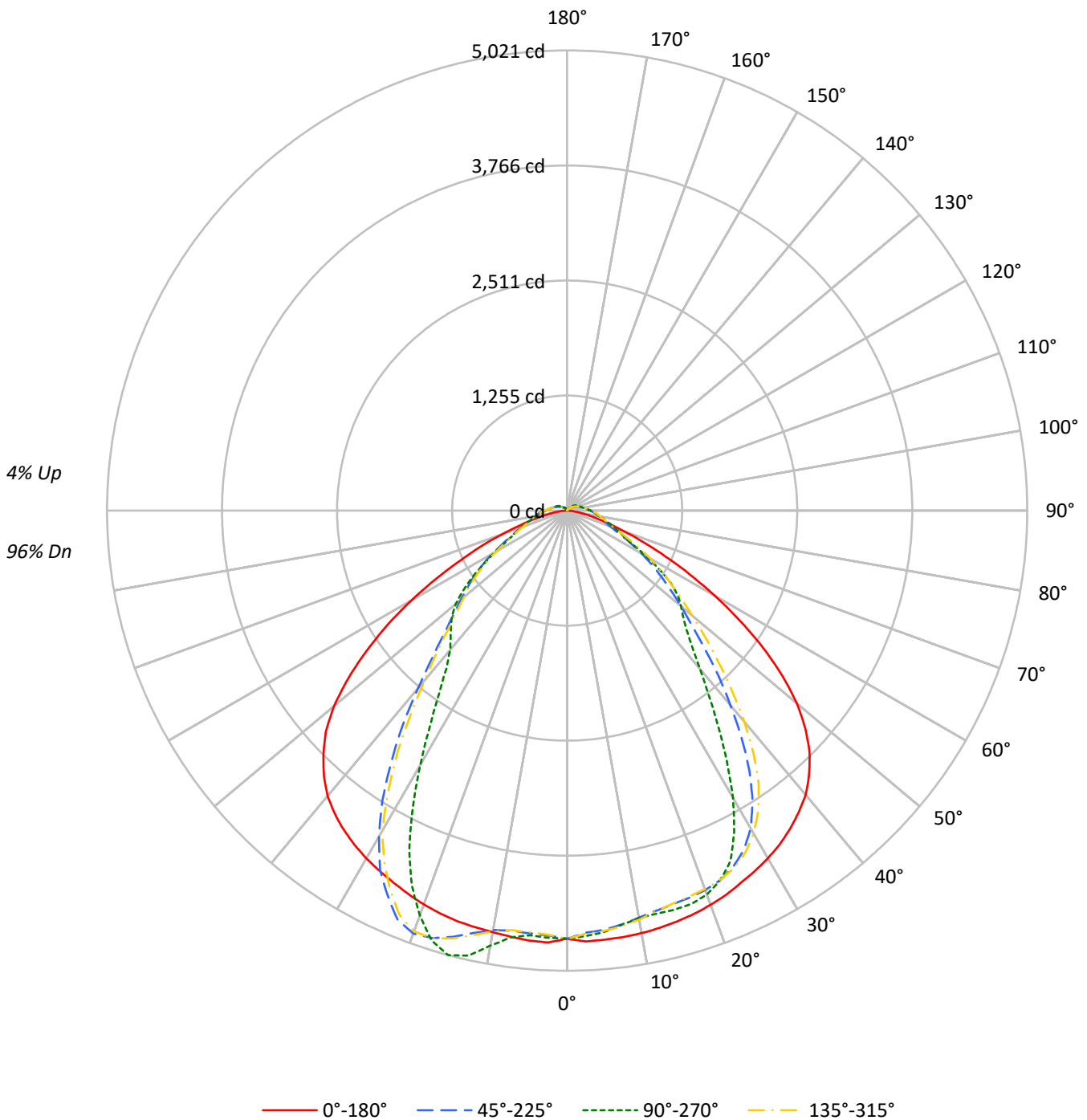
Lumens per Lamp: N/A
Luminaire Lumens: 11136.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	115	115	115	115	109	109	109	103	103	103	98	98	98	96				
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82				
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71				
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61				
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54				
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47				
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42				
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38				
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34				
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31				
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18874	18874	18874	18874
5°	19038	18126	19077	18268
10°	19152	17372	19113	18551
15°	19328	17140	19318	19084
20°	19570	16868	19549	17781
25°	19842	16002	19831	15462
30°	20249	13869	20260	12287
35°	20685	11215	20743	9490
40°	21079	9030	21167	7956
45°	21055	7649	21164	7448
50°	20205	7042	20488	6885
55°	17989	6329	18438	5754
60°	14656	4845	15434	4443
65°	10959	3706	11808	3514
70°	7516	3199	8473	3059
75°	4983	2887	5802	2730
80°	3300	2691	3869	2476
85°	1802	2685	2372	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.7	4.0
10°-20°	1320.2	11.9
20°-30°	2007.1	18.0
30°-40°	2153.1	19.3
40°-50°	1868.7	16.8
50°-60°	1384.9	12.4
60°-70°	793.5	7.1
70°-80°	439.4	3.9
80°-90°	267.6	2.4
90°-100°	174.0	1.6
100°-110°	116.5	1.0
110°-120°	78.7	0.7
120°-130°	48.3	0.4
130°-140°	25.4	0.2
140°-150°	11.6	0.1
150°-160°	3.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3771.0	33.9
0°-40°	5924.1	53.2
0°-60°	9177.7	82.4
0°-90°	10678.1	95.9
90°-120°	369.2	3.3
90°-150°	454.5	4.1
90°-180°	458.0	4.1
0°-180°	11136.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4671	4671	4671	4671	4671	
5°	4700	4616	4710	4652	4700	448
15°	4640	4510	4638	5021	4640	1313
25°	4483	4218	4481	4075	4483	2072
35°	4239	2871	4251	2430	4239	2654
45°	3742	1841	3762	1793	3742	2865
55°	2611	1380	2676	1255	2611	2315
65°	1185	700	1276	664	1185	1194
75°	338	444	393	420	338	386
85°	46	306	60	280	46	60
90°	0	256	5	236	0	2
95°	2	210	0	200	2	2
105°	2	157	2	150	2	3
115°	2	128	2	116	2	2
125°	2	96	2	80	2	2
135°	2	60	2	51	2	2
145°	2	36	5	29	2	2
155°	5	17	5	14	5	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-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3
2.5°	4705.0	4693.0	4688.2	4678.5	4685.7	4714.7	4695.4	4664.0	4666.4	4610.9	4639.9
5°	4700.2	4685.7	4678.5	4668.9	4673.7	4700.2	4680.9	4649.6	4647.1	4591.6	4618.2
7.5°	4693.0	4678.5	4666.4	4659.2	4661.6	4683.3	4659.2	4623.0	4615.8	4555.5	4579.6
10°	4680.9	4671.3	4654.4	4642.3	4639.9	4664.0	4625.4	4589.2	4572.3	4509.6	4533.7
12.5°	4664.0	4649.6	4632.7	4610.9	4608.5	4623.0	4591.6	4541.0	4524.1	4473.4	4500.0
15°	4639.9	4623.0	4603.7	4579.6	4567.5	4577.2	4538.6	4492.7	4490.3	4446.9	4483.1
17.5°	4613.4	4589.2	4567.5	4533.7	4516.8	4524.1	4492.7	4451.7	4456.5	4430.0	4471.0
20°	4577.2	4550.6	4516.8	4483.1	4458.9	4471.0	4449.3	4417.9	4425.2	4405.9	4442.0
22.5°	4536.2	4500.0	4458.9	4420.3	4401.0	4417.9	4401.0	4374.5	4376.9	4364.8	4386.6
25°	4483.1	4442.0	4393.8	4345.5	4335.9	4347.9	4338.3	4316.6	4306.9	4287.6	4297.3
27.5°	4434.8	4389.0	4328.6	4278.0	4261.1	4285.2	4263.5	4227.3	4200.8	4174.2	4154.9
30°	4379.3	4323.8	4256.3	4198.4	4183.9	4193.5	4162.2	4106.7	4036.7	4002.9	3949.8
32.5°	4319.0	4246.6	4162.2	4097.0	4087.4	4080.1	4022.2	3942.6	3834.0	3766.5	3684.4
35°	4239.4	4159.7	4058.4	3978.8	3964.3	3923.3	3829.2	3723.0	3583.1	3467.3	3327.3
37.5°	4150.1	4056.0	3949.8	3843.7	3802.6	3720.6	3587.9	3476.9	3264.6	3124.6	2955.7
40°	4048.8	3935.4	3805.1	3677.2	3609.6	3476.9	3324.9	3160.8	2955.7	2767.5	2625.2
42.5°	3908.8	3788.2	3633.7	3491.4	3375.6	3199.4	3020.9	2789.2	2601.0	2441.8	2297.0
45°	3742.3	3597.6	3419.0	3247.7	3100.5	2890.6	2680.7	2449.0	2292.2	2106.4	2007.5
47.5°	3527.6	3370.7	3180.1	2989.5	2796.5	2564.9	2345.3	2123.3	1966.5	1833.8	1761.4
50°	3274.2	3129.5	2919.5	2692.7	2480.4	2239.1	2019.6	1853.1	1701.1	1619.0	1563.5
52.5°	2960.6	2825.4	2610.7	2364.6	2159.5	1923.0	1722.8	1587.7	1479.1	1418.8	1399.5
55°	2610.7	2492.5	2280.1	2050.9	1841.0	1623.8	1471.8	1353.6	1283.6	1247.4	1249.9
57.5°	2236.7	2145.0	1944.8	1739.7	1541.8	1377.7	1240.2	1146.1	1093.0	1090.6	1097.8
60°	1862.7	1795.2	1621.4	1445.3	1271.6	1138.9	1037.5	972.4	938.6	941.0	938.6
62.5°	1505.6	1442.9	1317.4	1172.6	1035.1	945.8	854.1	827.6	798.7	796.2	796.2
65°	1184.7	1136.5	1035.1	931.4	827.6	769.7	723.9	692.5	670.8	665.9	668.4
67.5°	890.3	871.0	801.1	731.1	665.9	629.8	591.1	583.9	567.0	567.0	571.8
70°	663.5	649.1	610.4	569.4	542.9	518.8	499.5	499.5	497.0	494.6	506.7
72.5°	480.2	482.6	470.5	439.1	436.7	431.9	427.1	434.3	436.7	444.0	458.4
75°	337.8	345.0	345.0	340.2	349.9	361.9	369.2	381.2	395.7	405.4	422.2
77.5°	238.9	238.9	250.9	265.4	284.7	306.4	325.7	342.6	361.9	374.0	388.5
80°	154.4	161.7	181.0	207.5	234.0	263.0	289.5	311.3	330.6	349.9	359.5
82.5°	91.7	103.8	127.9	161.7	195.4	231.6	258.2	284.7	306.4	325.7	333.0
85°	45.8	62.7	91.7	127.9	164.1	202.7	236.5	260.6	284.7	301.6	311.3
87.5°	14.5	33.8	65.1	98.9	137.5	176.1	212.3	238.9	260.6	275.1	284.7
90°	0.0	16.9	45.8	82.0	118.2	156.8	190.6	219.6	241.3	253.3	260.6
92.5°	0.0	9.7	36.2	67.6	101.3	139.9	173.7	200.3	219.6	231.6	236.5
95°	2.4	7.2	26.5	55.5	89.3	125.5	156.8	181.0	200.3	212.3	214.7
97.5°	2.4	4.8	21.7	45.8	77.2	111.0	142.4	166.5	181.0	193.0	195.4
100°	2.4	4.8	16.9	41.0	67.6	98.9	127.9	149.6	166.5	176.1	178.6
102.5°	2.4	2.4	14.5	33.8	60.3	86.9	113.4	135.1	149.6	159.2	164.1
105°	2.4	2.4	12.1	29.0	53.1	77.2	101.3	123.1	135.1	144.8	149.6
107.5°	2.4	2.4	9.7	24.1	45.8	67.6	91.7	108.6	123.1	132.7	137.5
110°	2.4	2.4	7.2	21.7	38.6	60.3	79.6	96.5	111.0	120.6	125.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	2.4	2.4	7.2	19.3	33.8	53.1	70.0	86.9	98.9	108.6	115.8
115°	2.4	2.4	7.2	16.9	31.4	45.8	62.7	77.2	89.3	98.9	106.2
117.5°	2.4	2.4	7.2	14.5	26.5	41.0	55.5	70.0	79.6	89.3	96.5
120°	2.4	2.4	4.8	12.1	24.1	36.2	48.3	60.3	72.4	82.0	89.3
122.5°	2.4	2.4	4.8	12.1	19.3	31.4	43.4	53.1	65.1	72.4	79.6
125°	2.4	2.4	4.8	9.7	16.9	29.0	38.6	48.3	55.5	65.1	72.4
127.5°	2.4	2.4	4.8	9.7	14.5	24.1	33.8	43.4	50.7	57.9	62.7
130°	2.4	2.4	4.8	7.2	12.1	19.3	29.0	36.2	45.8	50.7	55.5
132.5°	2.4	2.4	2.4	7.2	9.7	14.5	21.7	31.4	38.6	45.8	48.3
135°	2.4	2.4	2.4	4.8	9.7	12.1	16.9	24.1	31.4	38.6	43.4
137.5°	2.4	2.4	2.4	4.8	7.2	12.1	14.5	19.3	26.5	31.4	38.6
140°	2.4	2.4	2.4	4.8	7.2	9.7	12.1	16.9	21.7	26.5	31.4
142.5°	2.4	2.4	2.4	4.8	4.8	7.2	9.7	14.5	16.9	21.7	26.5
145°	2.4	2.4	2.4	4.8	4.8	7.2	9.7	12.1	14.5	16.9	21.7
147.5°	2.4	2.4	2.4	4.8	4.8	4.8	7.2	9.7	12.1	14.5	16.9
150°	4.8	4.8	4.8	4.8	4.8	4.8	7.2	7.2	9.7	12.1	14.5
152.5°	4.8	4.8	4.8	4.8	4.8	4.8	7.2	7.2	7.2	9.7	12.1
155°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	7.2	7.2	9.7	9.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3
2.5°	4630.3	4635.1	4664.0	4661.6	4656.8	4652.0	4652.0	4647.1	4652.0	4664.0	4659.2
5°	4606.1	4613.4	4635.1	4632.7	4627.8	4625.4	4623.0	4615.8	4620.6	4637.5	4632.7
7.5°	4562.7	4569.9	4589.2	4579.6	4572.3	4577.2	4565.1	4557.9	4567.5	4584.4	4582.0
10°	4516.8	4521.7	4545.8	4541.0	4528.9	4531.3	4519.3	4514.4	4526.5	4536.2	4538.6
12.5°	4485.5	4502.4	4524.1	4521.7	4519.3	4521.7	4509.6	4504.8	4512.0	4521.7	4519.3
15°	4478.2	4500.0	4524.1	4524.1	4526.5	4528.9	4516.8	4509.6	4516.8	4524.1	4521.7
17.5°	4471.0	4497.5	4519.3	4516.8	4519.3	4524.1	4504.8	4500.0	4509.6	4519.3	4514.4
20°	4446.9	4471.0	4485.5	4480.7	4480.7	4483.1	4458.9	4458.9	4473.4	4480.7	4483.1
22.5°	4379.3	4408.3	4408.3	4396.2	4396.2	4386.6	4379.3	4364.8	4381.7	4393.8	4403.4
25°	4278.0	4290.0	4275.6	4249.0	4234.5	4222.5	4188.7	4217.7	4217.7	4253.8	4265.9
27.5°	4135.6	4109.1	4068.1	4012.6	4000.5	3961.9	3940.2	3947.4	3959.5	4010.1	4048.8
30°	3901.6	3821.9	3752.0	3727.8	3674.8	3636.2	3597.6	3616.9	3638.6	3667.5	3747.1
32.5°	3592.7	3515.5	3402.1	3361.1	3305.6	3257.3	3211.5	3240.5	3279.1	3298.4	3385.2
35°	3238.0	3146.4	3042.6	2972.6	2914.7	2888.2	2830.3	2871.3	2912.3	2926.8	3001.6
37.5°	2861.6	2767.5	2675.8	2615.5	2560.0	2543.1	2504.5	2533.5	2564.9	2586.6	2649.3
40°	2504.5	2417.7	2347.7	2306.7	2268.1	2253.6	2239.1	2251.2	2275.3	2292.2	2340.5
42.5°	2198.1	2128.1	2079.9	2055.7	2029.2	2009.9	2012.3	2017.1	2029.2	2065.4	2087.1
45°	1930.3	1889.3	1857.9	1853.1	1836.2	1833.8	1831.3	1841.0	1848.2	1870.0	1886.8
47.5°	1715.5	1698.6	1691.4	1701.1	1708.3	1698.6	1703.5	1715.5	1730.0	1730.0	1727.6
50°	1546.6	1551.5	1561.1	1582.8	1597.3	1602.1	1607.0	1621.4	1623.8	1628.7	1621.4
52.5°	1409.1	1413.9	1440.5	1474.2	1491.1	1498.4	1508.0	1522.5	1522.5	1527.3	1517.7
55°	1269.2	1276.4	1302.9	1336.7	1351.2	1360.8	1370.5	1380.1	1387.4	1397.0	1389.8
57.5°	1114.7	1136.5	1153.3	1163.0	1172.6	1179.9	1187.1	1189.5	1204.0	1206.4	1218.5
60°	950.7	955.5	972.4	970.0	962.7	982.0	972.4	989.3	1006.2	1027.9	1030.3
62.5°	793.8	796.2	808.3	803.5	813.1	810.7	818.0	818.0	830.0	839.7	851.7
65°	670.8	673.2	682.8	682.8	680.4	687.7	694.9	699.7	699.7	707.0	716.6
67.5°	579.1	586.3	596.0	600.8	605.6	605.6	612.9	615.3	620.1	622.5	627.3
70°	516.3	526.0	535.7	540.5	542.9	547.7	550.1	550.1	555.0	557.4	562.2
72.5°	470.5	480.2	487.4	487.4	492.2	494.6	494.6	497.0	499.5	504.3	509.1
75°	431.9	439.1	444.0	441.6	441.6	441.6	444.0	444.0	448.8	453.6	458.4
77.5°	395.7	402.9	402.9	398.1	398.1	398.1	398.1	400.5	402.9	407.8	412.6
80°	369.2	369.2	366.8	366.8	361.9	359.5	359.5	361.9	361.9	366.8	374.0
82.5°	340.2	340.2	337.8	335.4	333.0	330.6	330.6	333.0	335.4	337.8	342.6
85°	313.7	313.7	308.8	308.8	306.4	306.4	306.4	306.4	308.8	311.3	316.1
87.5°	287.1	284.7	282.3	279.9	279.9	279.9	279.9	279.9	282.3	287.1	289.5
90°	260.6	258.2	255.8	255.8	253.3	253.3	255.8	255.8	258.2	260.6	263.0
92.5°	236.5	234.0	231.6	231.6	229.2	229.2	231.6	229.2	234.0	234.0	236.5
95°	214.7	212.3	209.9	209.9	209.9	209.9	209.9	209.9	212.3	212.3	214.7
97.5°	195.4	193.0	190.6	190.6	193.0	190.6	193.0	193.0	193.0	195.4	197.9
100°	178.6	176.1	176.1	178.6	176.1	176.1	178.6	178.6	178.6	178.6	181.0
102.5°	164.1	164.1	164.1	164.1	164.1	164.1	166.5	166.5	166.5	166.5	168.9
105°	149.6	152.0	152.0	152.0	154.4	154.4	154.4	156.8	156.8	156.8	156.8
107.5°	139.9	142.4	142.4	144.8	144.8	147.2	147.2	147.2	147.2	149.6	149.6
110°	130.3	132.7	135.1	137.5	137.5	139.9	139.9	139.9	139.9	139.9	139.9



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	120.6	123.1	125.5	130.3	132.7	132.7	132.7	132.7	135.1	135.1	132.7
115°	111.0	115.8	118.2	123.1	125.5	125.5	127.9	127.9	127.9	127.9	125.5
117.5°	101.3	108.6	111.0	115.8	118.2	118.2	120.6	120.6	120.6	120.6	118.2
120°	94.1	98.9	103.8	106.2	108.6	111.0	111.0	113.4	113.4	113.4	111.0
122.5°	86.9	91.7	96.5	98.9	101.3	103.8	103.8	103.8	103.8	103.8	103.8
125°	77.2	82.0	86.9	89.3	91.7	94.1	94.1	96.5	96.5	96.5	94.1
127.5°	70.0	74.8	77.2	82.0	84.4	84.4	86.9	86.9	86.9	86.9	84.4
130°	60.3	65.1	70.0	72.4	74.8	74.8	77.2	77.2	77.2	77.2	77.2
132.5°	53.1	57.9	60.3	65.1	65.1	67.6	67.6	70.0	70.0	70.0	67.6
135°	48.3	50.7	53.1	57.9	57.9	60.3	60.3	60.3	60.3	60.3	60.3
137.5°	43.4	45.8	48.3	50.7	50.7	53.1	53.1	53.1	53.1	55.5	53.1
140°	36.2	41.0	43.4	43.4	45.8	45.8	45.8	48.3	48.3	48.3	45.8
142.5°	31.4	33.8	36.2	38.6	41.0	41.0	41.0	41.0	43.4	41.0	41.0
145°	24.1	29.0	31.4	33.8	36.2	36.2	36.2	36.2	36.2	36.2	36.2
147.5°	19.3	21.7	26.5	29.0	29.0	31.4	31.4	31.4	31.4	31.4	31.4
150°	16.9	16.9	21.7	24.1	26.5	26.5	26.5	26.5	26.5	26.5	26.5
152.5°	12.1	14.5	16.9	19.3	21.7	21.7	21.7	21.7	21.7	21.7	21.7
155°	12.1	12.1	14.5	14.5	16.9	16.9	16.9	16.9	19.3	16.9	16.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3
2.5°	4652.0	4649.6	4659.2	4649.6	4601.3	4620.6	4613.4	4639.9	4642.3	4649.6	4673.7
5°	4627.8	4627.8	4639.9	4630.3	4584.4	4603.7	4601.3	4627.8	4632.7	4637.5	4664.0
7.5°	4579.6	4582.0	4598.9	4591.6	4543.4	4572.3	4569.9	4601.3	4610.9	4620.6	4644.7
10°	4533.7	4531.3	4550.6	4543.4	4497.5	4531.3	4528.9	4560.3	4574.8	4591.6	4620.6
12.5°	4509.6	4502.4	4509.6	4502.4	4451.7	4478.2	4480.7	4516.8	4533.7	4555.5	4589.2
15°	4509.6	4497.5	4497.5	4483.1	4425.2	4442.0	4444.5	4468.6	4490.3	4512.0	4553.0
17.5°	4504.8	4492.7	4490.3	4478.2	4415.5	4415.5	4413.1	4430.0	4442.0	4463.8	4507.2
20°	4478.2	4473.4	4471.0	4463.8	4405.9	4396.2	4391.4	4391.4	4398.6	4405.9	4449.3
22.5°	4408.3	4413.1	4417.9	4422.7	4376.9	4360.0	4362.4	4357.6	4350.4	4350.4	4386.6
25°	4278.0	4302.1	4321.4	4343.1	4316.6	4304.5	4319.0	4311.8	4299.7	4290.0	4321.4
27.5°	4070.5	4121.1	4162.2	4215.2	4217.7	4208.0	4246.6	4241.8	4239.4	4224.9	4249.0
30°	3783.3	3863.0	3918.5	3995.7	4060.8	4070.5	4135.6	4145.3	4154.9	4147.7	4171.8
32.5°	3435.9	3544.5	3638.6	3759.2	3821.9	3877.4	3969.1	4007.7	4046.3	4058.4	4084.9
35°	3057.1	3180.1	3291.1	3423.8	3522.8	3643.4	3754.4	3812.3	3899.2	3932.9	3971.5
37.5°	2697.6	2813.4	2922.0	3054.7	3213.9	3339.4	3476.9	3607.2	3725.4	3773.7	3831.6
40°	2379.1	2473.2	2576.9	2692.7	2837.5	3001.6	3151.2	3332.1	3472.1	3568.6	3653.0
42.5°	2137.8	2183.6	2272.9	2376.7	2492.5	2659.0	2811.0	3013.6	3182.5	3320.1	3460.0
45°	1923.0	1944.8	2009.9	2065.4	2183.6	2330.8	2492.5	2690.3	2866.5	3042.6	3211.5
47.5°	1739.7	1766.2	1797.6	1831.3	1915.8	2038.9	2178.8	2357.4	2533.5	2738.6	2931.6
50°	1616.6	1623.8	1628.7	1643.1	1693.8	1778.3	1891.7	2043.7	2212.6	2432.1	2637.2
52.5°	1508.0	1508.0	1493.6	1486.3	1505.6	1558.7	1623.8	1732.4	1906.1	2108.8	2326.0
55°	1392.2	1370.5	1365.7	1341.5	1346.4	1370.5	1401.9	1486.3	1628.7	1802.4	2012.3
57.5°	1230.6	1220.9	1220.9	1211.2	1191.9	1204.0	1211.2	1271.6	1372.9	1522.5	1705.9
60°	1044.8	1039.9	1052.0	1054.4	1037.5	1044.8	1042.3	1078.5	1150.9	1271.6	1423.6
62.5°	859.0	880.7	883.1	892.8	883.1	880.7	892.8	924.1	960.3	1052.0	1170.2
65°	721.4	733.5	735.9	748.0	743.2	743.2	752.8	776.9	798.7	861.4	953.1
67.5°	632.2	627.3	629.8	637.0	629.8	627.3	634.6	649.1	665.9	704.6	769.7
70°	562.2	557.4	557.4	557.4	547.7	540.5	542.9	547.7	555.0	576.7	617.7
72.5°	509.1	509.1	501.9	494.6	487.4	482.6	477.7	472.9	470.5	477.7	499.5
75°	460.9	463.3	460.9	453.6	444.0	434.3	424.7	415.0	402.9	398.1	400.5
77.5°	417.4	419.8	422.2	419.8	410.2	398.1	383.6	369.2	352.3	335.4	325.7
80°	378.8	383.6	386.1	383.6	376.4	366.8	349.9	333.0	308.8	287.1	263.0
82.5°	345.0	352.3	354.7	354.7	349.9	340.2	320.9	301.6	275.1	246.1	214.7
85°	318.5	323.3	328.1	328.1	325.7	316.1	296.8	275.1	248.5	214.7	181.0
87.5°	292.0	294.4	299.2	304.0	299.2	289.5	272.7	248.5	222.0	188.2	149.6
90°	265.4	267.8	272.7	277.5	275.1	265.4	250.9	229.2	200.3	164.1	125.5
92.5°	238.9	243.7	246.1	248.5	250.9	243.7	231.6	209.9	181.0	144.8	108.6
95°	219.6	219.6	224.4	226.8	229.2	222.0	212.3	190.6	164.1	130.3	94.1
97.5°	200.3	200.3	205.1	205.1	207.5	202.7	193.0	173.7	147.2	115.8	79.6
100°	181.0	183.4	185.8	188.2	188.2	185.8	176.1	156.8	132.7	103.8	70.0
102.5°	168.9	168.9	171.3	171.3	173.7	168.9	159.2	142.4	118.2	91.7	60.3
105°	156.8	156.8	159.2	159.2	156.8	152.0	142.4	127.9	106.2	79.6	53.1
107.5°	147.2	147.2	147.2	147.2	144.8	139.9	130.3	113.4	94.1	72.4	48.3
110°	139.9	137.5	137.5	135.1	132.7	125.5	115.8	101.3	84.4	62.7	41.0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	132.7	130.3	127.9	125.5	120.6	113.4	103.8	91.7	74.8	55.5	36.2
115°	125.5	123.1	120.6	115.8	111.0	103.8	94.1	82.0	65.1	48.3	31.4
117.5°	118.2	115.8	111.0	106.2	101.3	94.1	84.4	72.4	57.9	43.4	29.0
120°	108.6	106.2	103.8	98.9	94.1	84.4	74.8	65.1	50.7	38.6	24.1
122.5°	101.3	98.9	94.1	91.7	84.4	77.2	67.6	57.9	45.8	33.8	21.7
125°	91.7	89.3	86.9	82.0	77.2	67.6	60.3	50.7	41.0	29.0	16.9
127.5°	84.4	82.0	77.2	72.4	67.6	60.3	53.1	45.8	36.2	24.1	16.9
130°	74.8	72.4	70.0	65.1	60.3	53.1	48.3	38.6	31.4	21.7	14.5
132.5°	65.1	65.1	62.7	57.9	53.1	48.3	41.0	33.8	26.5	19.3	12.1
135°	60.3	57.9	55.5	50.7	48.3	41.0	36.2	29.0	21.7	16.9	9.7
137.5°	53.1	50.7	48.3	45.8	41.0	36.2	31.4	24.1	19.3	14.5	9.7
140°	45.8	43.4	43.4	38.6	36.2	31.4	26.5	21.7	16.9	12.1	7.2
142.5°	41.0	38.6	36.2	33.8	31.4	26.5	21.7	16.9	14.5	9.7	7.2
145°	36.2	33.8	31.4	29.0	26.5	21.7	19.3	14.5	12.1	9.7	7.2
147.5°	29.0	29.0	26.5	24.1	21.7	19.3	16.9	14.5	9.7	7.2	4.8
150°	24.1	24.1	21.7	19.3	19.3	16.9	14.5	12.1	9.7	7.2	4.8
152.5°	21.7	19.3	19.3	16.9	16.9	14.5	12.1	9.7	7.2	7.2	4.8
155°	16.9	16.9	16.9	14.5	14.5	12.1	9.7	9.7	7.2	4.8	4.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3
2.5°	4678.5	4649.6	4673.7	4717.1	4712.3	4707.5	4702.6	4712.3	4743.7	4726.8	4700.2
5°	4671.3	4642.3	4668.9	4709.9	4707.5	4700.2	4695.4	4705.0	4736.4	4719.5	4690.6
7.5°	4656.8	4630.3	4649.6	4690.6	4690.6	4685.7	4680.9	4690.6	4719.5	4705.0	4676.1
10°	4632.7	4613.4	4632.7	4671.3	4673.7	4664.0	4659.2	4671.3	4700.2	4693.0	4668.9
12.5°	4613.4	4594.1	4615.8	4654.4	4656.8	4647.1	4639.9	4654.4	4693.0	4697.8	4690.6
15°	4586.8	4569.9	4596.5	4637.5	4637.5	4630.3	4630.3	4649.6	4702.6	4724.4	4736.4
17.5°	4548.2	4536.2	4567.5	4608.5	4610.9	4606.1	4608.5	4647.1	4717.1	4770.2	4804.0
20°	4500.0	4495.1	4528.9	4572.3	4579.6	4582.0	4594.1	4652.0	4748.5	4820.9	4854.6
22.5°	4442.0	4444.5	4483.1	4528.9	4538.6	4545.8	4569.9	4652.0	4772.6	4849.8	4864.3
25°	4376.9	4384.1	4425.2	4480.7	4492.7	4507.2	4548.2	4654.4	4779.8	4830.5	4806.4
27.5°	4306.9	4321.4	4374.5	4432.4	4446.9	4471.0	4524.1	4639.9	4746.1	4748.5	4659.2
30°	4234.5	4251.4	4314.2	4381.7	4405.9	4430.0	4495.1	4606.1	4664.0	4586.8	4430.0
32.5°	4152.5	4176.6	4239.4	4321.4	4350.4	4381.7	4446.9	4541.0	4519.3	4352.8	4128.4
35°	4048.8	4082.5	4154.9	4251.4	4278.0	4319.0	4364.8	4386.6	4290.0	4053.6	3800.2
37.5°	3920.9	3971.5	4056.0	4167.0	4195.9	4222.5	4234.5	4174.2	3981.2	3725.4	3462.4
40°	3773.7	3850.9	3942.6	4065.6	4094.6	4094.6	4051.2	3923.3	3679.6	3344.2	3052.2
42.5°	3595.1	3689.2	3805.1	3928.1	3957.1	3923.3	3819.5	3595.1	3317.7	2943.7	2634.8
45°	3378.0	3503.5	3633.7	3761.6	3776.1	3701.3	3515.5	3230.8	2888.2	2540.7	2246.4
47.5°	3119.8	3283.9	3426.2	3571.0	3551.7	3426.2	3177.7	2854.4	2492.5	2164.3	1927.9
50°	2830.3	3023.3	3182.5	3320.1	3279.1	3105.3	2813.4	2475.6	2116.1	1836.2	1640.7
52.5°	2521.4	2743.4	2902.7	3013.6	2958.1	2750.6	2429.7	2106.4	1812.0	1556.3	1426.0
55°	2200.5	2424.9	2589.0	2675.8	2603.5	2379.1	2063.0	1768.6	1491.1	1324.7	1247.4
57.5°	1889.3	2099.2	2253.6	2323.6	2231.9	2007.5	1715.5	1467.0	1266.7	1126.8	1088.2
60°	1590.1	1761.4	1908.6	1961.6	1862.7	1655.2	1404.3	1206.4	1059.2	962.7	943.4
62.5°	1312.6	1452.5	1568.3	1609.4	1512.9	1351.2	1134.0	986.9	883.1	834.8	810.7
65°	1083.4	1165.4	1283.6	1276.4	1218.5	1068.9	909.6	805.9	738.3	707.0	692.5
67.5°	851.7	926.5	1001.3	1011.0	938.6	834.8	731.1	656.3	620.1	603.2	596.0
70°	658.7	714.2	760.0	748.0	709.4	644.2	579.1	538.1	523.6	516.3	516.3
72.5°	511.5	540.5	562.2	547.7	523.6	489.8	458.4	441.6	444.0	448.8	453.6
75°	395.7	402.9	407.8	393.3	388.5	366.8	364.3	366.8	381.2	395.7	402.9
77.5°	304.0	294.4	287.1	272.7	275.1	272.7	284.7	304.0	325.7	347.4	366.8
80°	234.0	212.3	195.4	181.0	188.2	200.3	224.4	253.3	282.3	306.4	330.6
82.5°	181.0	149.6	125.5	111.0	125.5	144.8	176.1	212.3	246.1	272.7	299.2
85°	139.9	103.8	74.8	60.3	74.8	103.8	137.5	178.6	214.7	243.7	270.2
87.5°	108.6	74.8	41.0	24.1	41.0	72.4	111.0	149.6	185.8	219.6	246.1
90°	86.9	50.7	19.3	4.8	21.7	50.7	86.9	125.5	161.7	197.9	224.4
92.5°	70.0	36.2	9.7	0.0	12.1	38.6	72.4	108.6	144.8	178.6	205.1
95°	57.9	29.0	7.2	0.0	9.7	29.0	57.9	94.1	127.9	161.7	183.4
97.5°	48.3	21.7	4.8	0.0	4.8	24.1	48.3	79.6	113.4	144.8	166.5
100°	41.0	19.3	4.8	0.0	4.8	19.3	41.0	70.0	98.9	127.9	149.6
102.5°	33.8	14.5	2.4	2.4	2.4	14.5	36.2	60.3	86.9	113.4	135.1
105°	31.4	12.1	2.4	2.4	2.4	12.1	31.4	53.1	77.2	101.3	120.6
107.5°	26.5	9.7	2.4	2.4	2.4	9.7	26.5	45.8	70.0	91.7	108.6
110°	21.7	9.7	2.4	2.4	2.4	9.7	21.7	41.0	60.3	79.6	96.5



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	19.3	7.2	2.4	2.4	2.4	7.2	19.3	36.2	53.1	72.4	86.9
115°	16.9	7.2	2.4	2.4	2.4	7.2	16.9	31.4	45.8	62.7	77.2
117.5°	14.5	7.2	2.4	2.4	2.4	4.8	14.5	26.5	41.0	55.5	70.0
120°	12.1	4.8	2.4	2.4	2.4	4.8	12.1	24.1	36.2	48.3	60.3
122.5°	12.1	4.8	2.4	2.4	2.4	4.8	9.7	19.3	31.4	41.0	53.1
125°	9.7	4.8	2.4	2.4	2.4	2.4	9.7	16.9	26.5	36.2	45.8
127.5°	9.7	4.8	2.4	2.4	2.4	2.4	7.2	14.5	21.7	31.4	41.0
130°	7.2	4.8	2.4	2.4	2.4	2.4	4.8	12.1	19.3	26.5	33.8
132.5°	7.2	4.8	2.4	2.4	2.4	2.4	4.8	9.7	14.5	21.7	29.0
135°	7.2	2.4	2.4	2.4	2.4	2.4	2.4	7.2	12.1	16.9	21.7
137.5°	4.8	2.4	2.4	2.4	2.4	2.4	2.4	4.8	9.7	12.1	19.3
140°	4.8	2.4	2.4	2.4	2.4	2.4	2.4	4.8	7.2	9.7	14.5
142.5°	4.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.8	7.2	12.1
145°	4.8	2.4	2.4	4.8	4.8	2.4	2.4	4.8	4.8	7.2	9.7
147.5°	4.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.8	4.8	7.2
150°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	7.2
152.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
155°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3
2.5°	4695.4	4639.9	4668.9	4659.2	4668.9	4693.0	4690.6	4683.3	4688.2	4676.1	4664.0
5°	4685.7	4630.3	4659.2	4647.1	4659.2	4683.3	4678.5	4671.3	4678.5	4664.0	4652.0
7.5°	4673.7	4623.0	4656.8	4654.4	4676.1	4707.5	4709.9	4709.9	4726.8	4705.0	4695.4
10°	4673.7	4647.1	4693.0	4709.9	4765.4	4806.4	4811.2	4820.9	4849.8	4845.0	4820.9
12.5°	4724.4	4719.5	4787.1	4828.1	4878.8	4936.7	4968.0	4977.7	4997.0	4982.5	4972.9
15°	4789.5	4813.6	4888.4	4934.3	4989.8	5033.2	5040.4	5045.3	5059.7	5038.0	5021.1
17.5°	4876.4	4890.8	4951.2	4970.5	5006.7	5013.9	5004.2	4980.1	4980.1	4931.9	4917.4
20°	4917.4	4910.1	4934.3	4902.9	4888.4	4845.0	4804.0	4758.1	4755.7	4705.0	4700.2
22.5°	4881.2	4832.9	4782.3	4705.0	4671.3	4608.5	4553.0	4526.5	4509.6	4444.5	4427.6
25°	4753.3	4635.1	4560.3	4468.6	4386.6	4314.2	4261.1	4205.6	4152.5	4099.4	4075.3
27.5°	4531.3	4420.3	4299.7	4171.8	4058.4	3947.4	3858.1	3802.6	3752.0	3682.0	3645.8
30°	4258.7	4104.3	3971.5	3848.5	3662.7	3527.6	3452.8	3341.8	3303.2	3271.8	3204.3
32.5°	3937.8	3752.0	3571.0	3404.5	3213.9	3088.4	2989.5	2907.5	2883.4	2801.3	2782.0
35°	3583.1	3339.4	3134.3	2970.2	2832.7	2680.7	2598.6	2543.1	2494.9	2439.4	2429.7
37.5°	3165.7	2946.1	2714.5	2569.7	2461.1	2330.8	2268.1	2229.5	2207.8	2166.7	2159.5
40°	2745.8	2526.2	2367.0	2222.2	2154.7	2084.7	2038.9	2022.0	2012.3	1997.8	1983.4
42.5°	2364.6	2171.6	2058.2	1961.6	1932.7	1898.9	1886.8	1896.5	1886.8	1882.0	1879.6
45°	2041.3	1894.1	1814.5	1785.5	1778.3	1768.6	1778.3	1795.2	1797.6	1792.7	1792.7
47.5°	1746.9	1676.9	1643.1	1648.0	1660.0	1667.3	1684.2	1705.9	1710.7	1698.6	1703.5
50°	1553.9	1512.9	1505.6	1524.9	1551.5	1561.1	1580.4	1597.3	1594.9	1590.1	1585.2
52.5°	1372.9	1360.8	1380.1	1399.5	1428.4	1433.2	1440.5	1447.7	1445.3	1435.6	1430.8
55°	1220.9	1230.6	1247.4	1254.7	1276.4	1274.0	1276.4	1276.4	1266.7	1261.9	1254.7
57.5°	1083.4	1085.8	1095.4	1097.8	1109.9	1105.1	1102.7	1097.8	1083.4	1081.0	1073.7
60°	943.4	938.6	960.3	943.4	953.1	943.4	941.0	928.9	914.5	912.1	907.2
62.5°	810.7	801.1	815.5	808.3	813.1	803.5	798.7	784.2	772.1	769.7	767.3
65°	692.5	687.7	702.1	699.7	704.6	692.5	687.7	678.0	668.4	665.9	663.5
67.5°	593.6	605.6	612.9	612.9	617.7	615.3	603.2	600.8	598.4	588.7	588.7
70°	521.2	528.4	542.9	545.3	542.9	547.7	538.1	535.7	533.2	528.4	526.0
72.5°	463.3	472.9	487.4	489.8	487.4	487.4	482.6	480.2	480.2	472.9	472.9
75°	417.4	429.5	441.6	441.6	441.6	436.7	431.9	431.9	427.1	424.7	419.8
77.5°	378.8	393.3	402.9	400.5	398.1	393.3	393.3	386.1	378.8	378.8	374.0
80°	349.9	359.5	366.8	364.3	361.9	354.7	352.3	345.0	340.2	333.0	333.0
82.5°	318.5	330.6	335.4	333.0	328.1	320.9	318.5	313.7	308.8	306.4	301.6
85°	292.0	304.0	306.4	301.6	296.8	292.0	289.5	287.1	284.7	279.9	279.9
87.5°	265.4	277.5	277.5	275.1	270.2	267.8	265.4	263.0	260.6	258.2	255.8
90°	243.7	253.3	253.3	250.9	248.5	246.1	243.7	241.3	238.9	236.5	236.5
92.5°	222.0	231.6	231.6	229.2	226.8	224.4	224.4	222.0	219.6	217.2	214.7
95°	202.7	212.3	212.3	212.3	209.9	207.5	207.5	205.1	202.7	202.7	200.3
97.5°	183.4	193.0	193.0	193.0	190.6	188.2	188.2	185.8	185.8	185.8	183.4
100°	166.5	173.7	176.1	176.1	173.7	173.7	173.7	171.3	171.3	171.3	168.9
102.5°	149.6	156.8	161.7	161.7	161.7	159.2	159.2	159.2	159.2	159.2	156.8
105°	135.1	142.4	147.2	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6
107.5°	123.1	130.3	135.1	137.5	139.9	139.9	142.4	142.4	142.4	142.4	142.4
110°	111.0	118.2	125.5	127.9	130.3	132.7	132.7	135.1	132.7	132.7	132.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	98.9	108.6	113.4	118.2	120.6	123.1	125.5	125.5	125.5	125.5	125.5
115°	89.3	98.9	103.8	108.6	113.4	115.8	115.8	118.2	118.2	118.2	115.8
117.5°	79.6	89.3	94.1	98.9	101.3	106.2	108.6	108.6	108.6	108.6	106.2
120°	72.4	79.6	84.4	89.3	94.1	96.5	98.9	98.9	98.9	98.9	98.9
122.5°	62.7	70.0	77.2	82.0	84.4	86.9	89.3	89.3	89.3	89.3	89.3
125°	55.5	62.7	67.6	72.4	74.8	79.6	79.6	79.6	79.6	79.6	79.6
127.5°	48.3	55.5	60.3	65.1	67.6	70.0	72.4	72.4	72.4	72.4	72.4
130°	41.0	48.3	53.1	57.9	60.3	62.7	62.7	65.1	65.1	65.1	65.1
132.5°	36.2	41.0	45.8	50.7	53.1	55.5	55.5	57.9	57.9	57.9	57.9
135°	29.0	36.2	38.6	43.4	45.8	48.3	48.3	50.7	50.7	50.7	50.7
137.5°	24.1	29.0	33.8	38.6	41.0	41.0	43.4	43.4	45.8	45.8	45.8
140°	19.3	21.7	29.0	31.4	33.8	36.2	38.6	38.6	38.6	38.6	38.6
142.5°	14.5	19.3	21.7	26.5	29.0	31.4	33.8	33.8	33.8	33.8	33.8
145°	12.1	14.5	16.9	21.7	24.1	26.5	29.0	29.0	29.0	29.0	29.0
147.5°	9.7	12.1	14.5	16.9	19.3	21.7	24.1	24.1	24.1	24.1	24.1
150°	7.2	9.7	12.1	12.1	14.5	16.9	19.3	21.7	21.7	21.7	21.7
152.5°	7.2	7.2	9.7	9.7	12.1	14.5	16.9	16.9	16.9	16.9	16.9
155°	4.8	7.2	7.2	7.2	9.7	9.7	12.1	14.5	14.5	14.5	14.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3
2.5°	4671.3	4680.9	4676.1	4668.9	4666.4	4678.5	4666.4	4610.9	4632.7	4635.1	4652.0
5°	4664.0	4671.3	4666.4	4661.6	4654.4	4668.9	4654.4	4596.5	4618.2	4620.6	4637.5
7.5°	4712.3	4714.7	4714.7	4702.6	4683.3	4690.6	4671.3	4606.1	4618.2	4618.2	4630.3
10°	4832.9	4837.8	4845.0	4813.6	4789.5	4770.2	4743.7	4664.0	4661.6	4642.3	4642.3
12.5°	4989.8	4977.7	4965.6	4951.2	4931.9	4907.7	4869.1	4775.0	4743.7	4712.3	4680.9
15°	5035.6	5030.8	5028.4	5021.1	5009.1	5001.8	4972.9	4878.8	4832.9	4794.3	4738.8
17.5°	4915.0	4924.6	4956.0	4958.4	4972.9	5001.8	4997.0	4931.9	4890.8	4873.9	4806.4
20°	4697.8	4700.2	4738.8	4755.7	4818.5	4866.7	4902.9	4895.7	4886.0	4905.3	4854.6
22.5°	4437.2	4454.1	4495.1	4521.7	4582.0	4637.5	4695.4	4726.8	4777.4	4857.1	4847.4
25°	4082.5	4104.3	4162.2	4205.6	4290.0	4374.5	4451.7	4507.2	4567.5	4719.5	4770.2
27.5°	3657.9	3691.7	3766.5	3809.9	3928.1	4015.0	4126.0	4234.5	4319.0	4492.7	4596.5
30°	3211.5	3240.5	3320.1	3380.4	3481.7	3600.0	3739.9	3894.3	4034.3	4210.4	4340.7
32.5°	2794.1	2825.4	2890.6	2943.7	3057.1	3156.0	3310.4	3501.0	3631.3	3875.0	4048.8
35°	2429.7	2458.7	2504.5	2550.4	2644.5	2745.8	2878.5	3064.3	3230.8	3484.1	3703.7
37.5°	2174.0	2178.8	2205.3	2231.9	2301.9	2379.1	2482.8	2646.9	2801.3	3074.0	3315.3
40°	1990.6	1990.6	2005.1	2012.3	2043.7	2089.5	2154.7	2282.6	2410.4	2617.9	2912.3
42.5°	1877.2	1872.4	1872.4	1874.8	1872.4	1894.1	1932.7	1993.0	2106.4	2277.7	2506.9
45°	1792.7	1783.1	1775.9	1759.0	1749.3	1749.3	1751.7	1773.4	1838.6	1949.6	2135.4
47.5°	1698.6	1696.2	1684.2	1664.9	1648.0	1635.9	1616.6	1609.4	1628.7	1691.4	1816.9
50°	1590.1	1578.0	1565.9	1551.5	1532.2	1520.1	1483.9	1486.3	1469.4	1498.4	1563.5
52.5°	1430.8	1421.2	1416.3	1404.3	1397.0	1392.2	1363.3	1334.3	1327.1	1331.9	1356.0
55°	1254.7	1259.5	1240.2	1249.9	1247.4	1225.7	1213.7	1191.9	1184.7	1182.3	1194.4
57.5°	1071.3	1076.1	1064.1	1073.7	1073.7	1061.7	1054.4	1054.4	1037.5	1023.0	1039.9
60°	904.8	895.2	902.4	914.5	914.5	907.2	902.4	902.4	890.3	885.5	897.6
62.5°	769.7	760.0	767.3	779.3	781.8	776.9	772.1	772.1	757.6	757.6	767.3
65°	665.9	668.4	665.9	675.6	675.6	678.0	673.2	668.4	651.5	658.7	656.3
67.5°	591.1	588.7	588.7	598.4	596.0	600.8	596.0	588.7	576.7	567.0	564.6
70°	528.4	526.0	526.0	530.8	533.2	533.2	530.8	526.0	509.1	499.5	492.2
72.5°	472.9	470.5	472.9	475.3	477.7	480.2	477.7	472.9	458.4	446.4	434.3
75°	422.2	419.8	427.1	427.1	429.5	429.5	431.9	429.5	417.4	402.9	388.5
77.5°	371.6	374.0	381.2	383.6	388.5	390.9	393.3	393.3	381.2	369.2	349.9
80°	330.6	335.4	340.2	342.6	347.4	354.7	357.1	359.5	349.9	337.8	316.1
82.5°	301.6	304.0	308.8	311.3	318.5	320.9	323.3	328.1	323.3	311.3	287.1
85°	277.5	279.9	284.7	284.7	289.5	294.4	296.8	299.2	296.8	284.7	260.6
87.5°	255.8	258.2	260.6	263.0	265.4	267.8	270.2	272.7	270.2	258.2	236.5
90°	236.5	236.5	238.9	238.9	241.3	243.7	248.5	248.5	246.1	236.5	214.7
92.5°	214.7	217.2	217.2	219.6	222.0	224.4	226.8	226.8	224.4	214.7	195.4
95°	200.3	200.3	202.7	202.7	205.1	205.1	207.5	207.5	205.1	195.4	176.1
97.5°	183.4	183.4	183.4	183.4	185.8	185.8	188.2	188.2	185.8	176.1	159.2
100°	168.9	168.9	168.9	168.9	168.9	171.3	171.3	171.3	168.9	159.2	142.4
102.5°	156.8	156.8	156.8	156.8	156.8	156.8	156.8	156.8	152.0	144.8	127.9
105°	149.6	149.6	149.6	147.2	147.2	147.2	144.8	144.8	137.5	130.3	115.8
107.5°	139.9	139.9	139.9	137.5	137.5	135.1	132.7	132.7	125.5	118.2	103.8
110°	132.7	132.7	132.7	130.3	127.9	125.5	123.1	120.6	113.4	103.8	91.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	125.5	125.5	123.1	123.1	120.6	118.2	113.4	111.0	103.8	94.1	82.0
115°	115.8	115.8	115.8	113.4	111.0	108.6	106.2	101.3	94.1	84.4	72.4
117.5°	106.2	106.2	106.2	103.8	101.3	98.9	96.5	91.7	84.4	74.8	65.1
120°	96.5	96.5	96.5	94.1	91.7	89.3	86.9	82.0	74.8	67.6	55.5
122.5°	89.3	89.3	86.9	84.4	82.0	79.6	77.2	72.4	67.6	57.9	48.3
125°	79.6	79.6	77.2	77.2	74.8	72.4	70.0	65.1	57.9	50.7	43.4
127.5°	72.4	70.0	70.0	70.0	67.6	65.1	60.3	57.9	50.7	43.4	36.2
130°	62.7	62.7	62.7	60.3	60.3	57.9	53.1	48.3	43.4	38.6	31.4
132.5°	55.5	55.5	55.5	55.5	53.1	50.7	45.8	43.4	38.6	31.4	26.5
135°	50.7	50.7	48.3	48.3	45.8	43.4	41.0	36.2	31.4	26.5	21.7
137.5°	43.4	43.4	43.4	41.0	41.0	38.6	33.8	31.4	29.0	24.1	19.3
140°	38.6	38.6	36.2	36.2	33.8	33.8	31.4	26.5	24.1	19.3	16.9
142.5°	33.8	33.8	31.4	31.4	29.0	29.0	26.5	24.1	19.3	16.9	12.1
145°	29.0	29.0	26.5	26.5	26.5	24.1	21.7	19.3	16.9	14.5	12.1
147.5°	24.1	24.1	24.1	21.7	21.7	19.3	19.3	16.9	14.5	12.1	9.7
150°	21.7	21.7	19.3	19.3	19.3	16.9	14.5	14.5	12.1	9.7	7.2
152.5°	16.9	16.9	16.9	16.9	14.5	14.5	12.1	12.1	9.7	7.2	7.2
155°	14.5	14.5	14.5	12.1	12.1	12.1	9.7	9.7	7.2	7.2	4.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3	4671.3
2.5°	4644.7	4642.3	4664.0	4661.6	4632.7	4676.1	4705.0
5°	4632.7	4630.3	4649.6	4654.4	4623.0	4668.9	4700.2
7.5°	4623.0	4620.6	4642.3	4649.6	4618.2	4659.2	4693.0
10°	4625.4	4613.4	4632.7	4637.5	4608.5	4652.0	4680.9
12.5°	4642.3	4613.4	4620.6	4620.6	4594.1	4632.7	4664.0
15°	4683.3	4623.0	4613.4	4606.1	4572.3	4608.5	4639.9
17.5°	4729.2	4647.1	4613.4	4589.2	4548.2	4579.6	4613.4
20°	4775.0	4673.7	4618.2	4579.6	4524.1	4553.0	4577.2
22.5°	4796.7	4697.8	4623.0	4565.1	4495.1	4509.6	4536.2
25°	4767.8	4688.2	4613.4	4543.4	4458.9	4461.4	4483.1
27.5°	4661.6	4639.9	4591.6	4521.7	4430.0	4417.9	4434.8
30°	4480.7	4541.0	4543.4	4492.7	4396.2	4372.1	4379.3
32.5°	4227.3	4362.4	4442.0	4432.4	4347.9	4314.2	4319.0
35°	3935.4	4104.3	4278.0	4335.9	4275.6	4249.0	4239.4
37.5°	3585.5	3812.3	4043.9	4186.3	4176.6	4159.7	4150.1
40°	3199.4	3472.1	3747.1	3974.0	4043.9	4043.9	4048.8
42.5°	2786.8	3105.3	3406.9	3694.1	3858.1	3894.3	3908.8
45°	2388.7	2709.6	3037.8	3368.3	3587.9	3701.3	3742.3
47.5°	2026.8	2350.1	2661.4	3023.3	3315.3	3462.4	3527.6
50°	1717.9	1959.2	2287.4	2646.9	2965.4	3146.4	3274.2
52.5°	1462.2	1650.4	1937.5	2272.9	2593.8	2842.3	2960.6
55°	1247.4	1375.3	1619.0	1908.6	2215.0	2473.2	2610.7
57.5°	1066.5	1167.8	1334.3	1575.6	1833.8	2089.5	2236.7
60°	907.2	977.2	1090.6	1281.2	1500.8	1720.4	1862.7
62.5°	769.7	815.5	890.3	1030.3	1201.6	1372.9	1505.6
65°	663.5	682.8	723.9	810.7	941.0	1071.3	1184.7
67.5°	559.8	571.8	603.2	656.3	721.4	815.5	890.3
70°	482.6	482.6	485.0	516.3	550.1	610.4	663.5
72.5°	419.8	412.6	398.1	405.4	412.6	446.4	480.2
75°	369.2	352.3	328.1	318.5	313.7	318.5	337.8
77.5°	325.7	301.6	272.7	248.5	229.2	222.0	238.9
80°	289.5	260.6	226.8	195.4	164.1	147.2	154.4
82.5°	260.6	224.4	188.2	152.0	115.8	91.7	91.7
85°	229.2	195.4	156.8	118.2	82.0	50.7	45.8
87.5°	207.5	171.3	130.3	94.1	57.9	26.5	14.5
90°	185.8	149.6	111.0	74.8	41.0	12.1	0.0
92.5°	166.5	132.7	96.5	60.3	29.0	7.2	0.0
95°	149.6	118.2	82.0	50.7	24.1	4.8	2.4
97.5°	132.7	103.8	72.4	41.0	16.9	4.8	2.4
100°	120.6	91.7	62.7	33.8	14.5	2.4	2.4
102.5°	106.2	82.0	53.1	29.0	12.1	2.4	2.4
105°	94.1	72.4	45.8	24.1	9.7	2.4	2.4
107.5°	84.4	62.7	41.0	21.7	9.7	2.4	2.4
110°	74.8	55.5	36.2	19.3	7.2	2.4	2.4



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-134SL-LC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	67.6	48.3	31.4	16.9	4.8	2.4	2.4
115°	57.9	43.4	26.5	14.5	4.8	2.4	2.4
117.5°	50.7	36.2	24.1	12.1	4.8	2.4	2.4
120°	43.4	31.4	19.3	9.7	2.4	2.4	2.4
122.5°	38.6	26.5	16.9	9.7	2.4	2.4	2.4
125°	33.8	24.1	14.5	7.2	2.4	2.4	2.4
127.5°	29.0	19.3	12.1	4.8	2.4	2.4	2.4
130°	24.1	16.9	9.7	4.8	2.4	2.4	2.4
132.5°	19.3	14.5	9.7	4.8	2.4	2.4	2.4
135°	16.9	12.1	7.2	4.8	2.4	2.4	2.4
137.5°	14.5	9.7	4.8	4.8	4.8	2.4	2.4
140°	12.1	7.2	4.8	4.8	4.8	4.8	2.4
142.5°	9.7	7.2	4.8	4.8	4.8	4.8	2.4
145°	7.2	4.8	4.8	4.8	4.8	4.8	2.4
147.5°	7.2	4.8	4.8	4.8	4.8	4.8	2.4
150°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
152.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
155°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)