

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-LD5-61SL-LW-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 (P33520)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-61SL-LW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

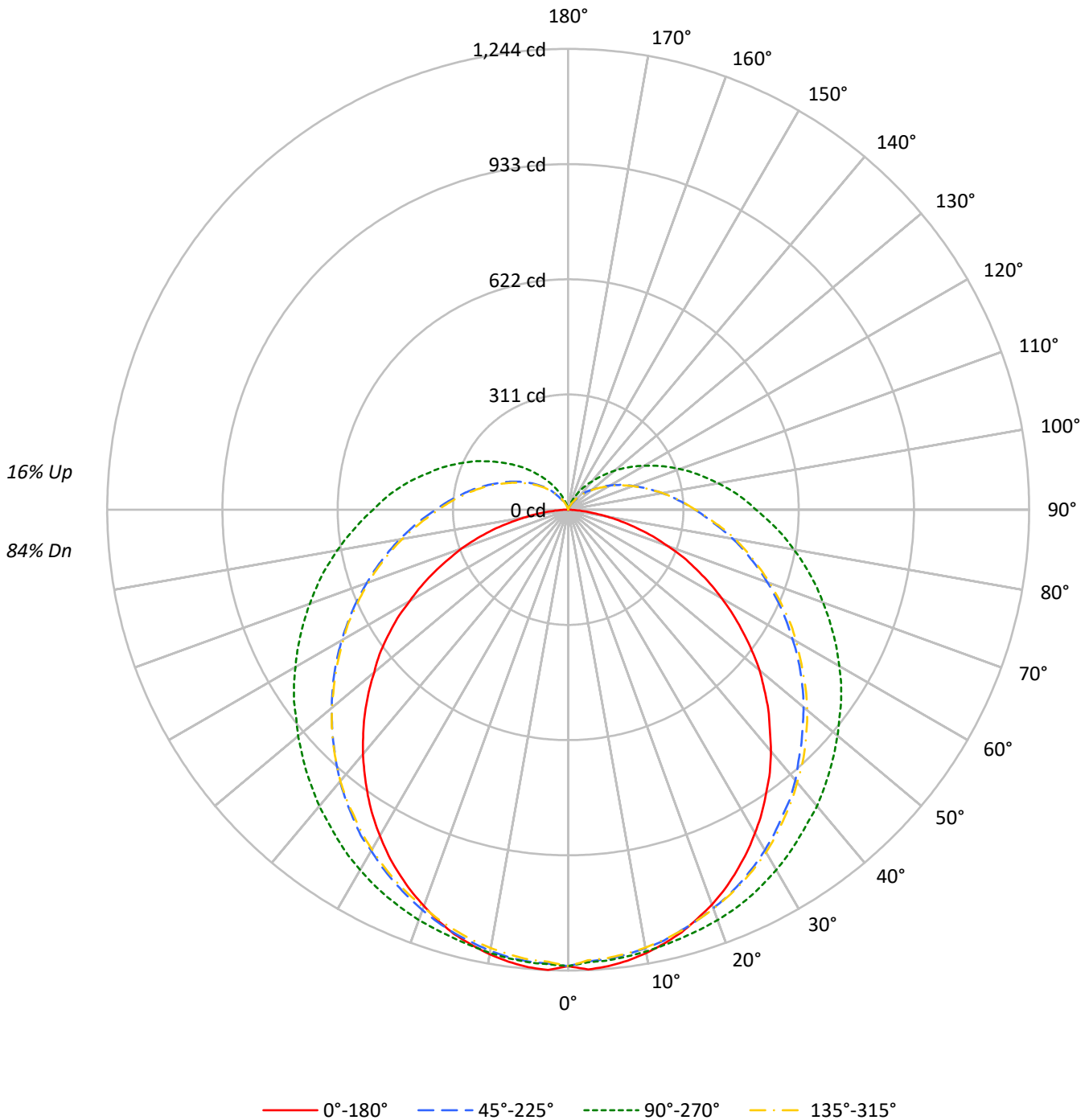
Lumens per Lamp: N/A
Luminaire Lumens: 5352.0 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 50
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-LD5-61SL-LW-UNV-L935-CD1-U

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84																												
1	102	96	91	86	98	92	87	83	85	81	77	78	75	72	72	70	67	64																												
2	92	82	74	68	87	79	72	66	73	67	62	67	62	58	62	58	54	51																												
3	83	71	62	55	79	69	60	54	63	56	51	58	52	48	54	49	45	42																												
4	76	63	53	46	72	60	52	45	56	48	42	51	45	40	47	42	38	35																												
5	69	56	46	39	66	54	45	38	50	42	36	46	39	34	42	37	33	30																												
6	64	50	41	34	61	48	39	33	45	37	31	41	35	30	38	33	28	26																												
7	59	45	36	30	56	43	35	29	40	33	28	38	31	26	35	29	25	23																												
8	55	41	32	26	52	40	31	26	37	30	24	34	28	23	32	26	22	20																												
9	51	37	29	23	49	36	28	23	34	27	22	32	25	21	30	24	20	18																												
10	48	34	26	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4978	4978	4978	4978
5°	5011	4797	5021	4817
10°	4971	4660	4987	4675
15°	4920	4544	4942	4549
20°	4850	4459	4867	4459
25°	4762	4383	4791	4378
30°	4663	4305	4699	4305
35°	4546	4233	4597	4238
40°	4431	4191	4485	4191
45°	4299	4146	4365	4152
50°	4162	4120	4218	4131
55°	3967	4124	4092	4142
60°	3763	4136	3885	4162
65°	3534	4178	3690	4219
70°	3209	4255	3459	4315
75°	2837	4394	3105	4478
80°	2251	4600	2554	4706
85°	1432	4931	1790	5067



TEST NUMBER: P#

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.7	2.2
10°-20°	335.4	6.3
20°-30°	514.2	9.6
30°-40°	634.4	11.9
40°-50°	688.3	12.9
50°-60°	678.4	12.7
60°-70°	613.3	11.5
70°-80°	511.0	9.5
80°-90°	395.8	7.4
90°-100°	300.1	5.6
100°-110°	222.1	4.2
110°-120°	154.5	2.9
120°-130°	98.6	1.8
130°-140°	55.3	1.0
140°-150°	25.3	0.5
150°-160°	7.8	0.1
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	966.3	18.1
0°-40°	1600.7	29.9
0°-60°	2967.3	55.4
0°-90°	4487.3	83.8
90°-120°	676.8	12.6
90°-150°	855.9	16.0
90°-180°	865.0	16.2
0°-180°	5352.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1232	1232	1232	1232	1232	
5°	1237	1222	1240	1227	1237	117
15°	1181	1196	1186	1197	1181	333
25°	1076	1155	1082	1154	1076	496
35°	932	1084	942	1085	932	583
45°	764	998	776	999	764	589
55°	576	899	594	903	576	515
65°	382	789	399	797	382	379
75°	192	676	210	689	192	204
85°	36	563	46	578	36	44
90°	1	507	3	526	1	2
95°	1	460	1	482	1	1
105°	1	365	1	387	1	1
115°	1	278	1	303	1	1
125°	1	200	1	222	1	1
135°	1	130	1	153	1	1
145°	1	75	1	92	1	1
155°	1	31	1	43	1	1
165°	1	5	1	8	1	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9
2.5°	1242.3	1242.3	1241.0	1238.4	1239.7	1243.6	1241.0	1234.5	1230.6	1220.2	1222.8
5°	1237.1	1237.1	1235.8	1233.2	1234.5	1239.7	1237.1	1231.9	1226.7	1217.6	1221.5
7.5°	1228.0	1228.0	1226.7	1224.1	1226.7	1231.9	1229.3	1224.1	1220.2	1211.1	1215.0
10°	1215.0	1216.3	1215.0	1211.1	1216.3	1221.5	1220.2	1213.7	1209.8	1202.0	1205.9
12.5°	1199.4	1200.7	1199.4	1198.1	1200.7	1208.5	1205.9	1200.7	1198.1	1191.6	1195.5
15°	1181.2	1182.5	1179.9	1179.9	1182.5	1190.3	1190.3	1185.1	1182.5	1176.0	1183.8
17.5°	1157.8	1159.1	1157.8	1157.8	1160.4	1168.2	1169.5	1166.9	1164.3	1161.7	1169.5
20°	1134.4	1133.1	1133.1	1131.8	1137.0	1148.7	1147.4	1147.4	1144.8	1144.8	1153.9
22.5°	1107.1	1107.1	1105.8	1105.8	1112.3	1122.7	1122.7	1125.3	1122.7	1127.9	1135.7
25°	1075.9	1077.2	1075.9	1078.5	1083.7	1095.4	1096.7	1100.6	1101.9	1107.1	1116.2
27.5°	1043.5	1044.8	1043.5	1046.1	1055.1	1064.2	1070.7	1075.9	1077.2	1085.0	1096.7
30°	1008.4	1008.4	1009.7	1012.3	1022.7	1037.0	1042.2	1048.7	1048.7	1061.6	1073.3
32.5°	972.0	972.0	972.0	977.2	988.9	1005.8	1012.3	1020.1	1022.7	1035.7	1048.7
35°	931.7	933.0	933.0	936.9	952.5	969.4	978.5	987.6	992.8	1008.4	1021.4
37.5°	894.0	896.6	892.7	897.9	920.0	934.3	944.7	953.8	962.9	983.7	994.1
40°	851.1	853.7	852.4	862.8	881.0	899.2	910.9	920.0	933.0	953.8	965.5
42.5°	805.7	808.3	810.9	822.5	842.0	860.2	874.5	886.2	901.8	920.0	939.5
45°	764.1	764.1	768.0	782.3	803.1	822.5	839.4	852.4	870.6	890.1	909.6
47.5°	717.3	718.6	723.8	740.7	762.8	786.2	801.8	818.7	838.1	858.9	881.0
50°	674.4	674.4	682.2	700.4	721.2	747.2	764.1	783.6	804.4	829.0	851.1
52.5°	625.0	627.6	639.3	656.2	683.5	706.9	726.4	747.2	771.9	797.9	822.5
55°	575.7	580.9	589.9	613.3	641.9	664.0	687.4	713.4	736.8	765.4	794.0
57.5°	527.6	531.5	545.8	569.2	599.0	626.3	651.0	675.7	704.3	732.9	762.8
60°	478.2	483.4	500.3	523.7	556.2	584.8	613.3	639.3	669.2	699.1	730.3
62.5°	431.4	435.3	454.8	482.1	514.6	545.8	574.4	605.5	638.0	666.6	697.8
65°	382.0	388.5	410.6	435.3	473.0	504.2	536.7	570.5	604.2	635.4	665.3
67.5°	336.6	340.5	363.8	392.4	430.1	465.2	499.0	535.4	570.5	602.9	632.8
70°	283.3	296.3	319.7	349.6	389.8	426.2	462.6	500.3	538.0	571.8	600.3
72.5°	239.1	249.5	275.5	308.0	347.0	389.8	427.5	467.8	505.5	540.6	570.5
75°	192.3	202.7	232.6	269.0	309.3	354.7	393.7	435.3	474.3	509.4	540.6
77.5°	146.8	159.8	192.3	230.0	274.2	321.0	361.2	402.8	443.1	480.8	512.0
80°	105.3	119.5	154.6	197.5	240.4	287.2	331.4	372.9	413.2	450.9	483.4
82.5°	67.6	83.2	120.8	163.7	209.2	256.0	301.5	343.1	383.3	421.0	454.8
85°	36.4	53.3	92.3	135.1	180.6	227.4	272.9	317.1	356.0	391.1	427.5
87.5°	10.4	31.2	68.9	111.8	158.5	201.4	245.6	289.8	328.8	366.4	398.9
90°	1.3	18.2	52.0	92.3	137.7	179.3	223.5	265.1	304.1	341.8	374.2
92.5°	1.3	11.7	40.3	76.7	118.2	161.1	205.3	245.6	282.0	319.7	352.1
95°	1.3	9.1	32.5	65.0	104.0	144.2	185.8	224.8	262.5	297.6	330.1
97.5°	1.3	6.5	26.0	55.9	91.0	128.6	168.9	207.9	244.3	278.1	308.0
100°	1.3	5.2	20.8	48.1	79.3	115.7	152.0	189.7	224.8	257.3	288.5
102.5°	1.3	3.9	18.2	40.3	70.2	102.7	137.7	172.8	206.6	237.8	269.0
105°	1.3	3.9	15.6	35.1	62.4	92.3	124.7	158.5	189.7	219.6	248.2
107.5°	1.3	2.6	13.0	29.9	54.6	83.2	113.1	145.5	174.1	202.7	230.0
110°	1.3	2.6	10.4	27.3	48.1	74.1	102.7	132.5	159.8	187.1	213.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.3	2.6	9.1	23.4	41.6	66.3	92.3	119.5	145.5	172.8	196.2
115°	1.3	2.6	7.8	20.8	39.0	57.2	83.2	107.9	133.8	158.5	180.6
117.5°	1.3	2.6	6.5	16.9	33.8	52.0	72.8	97.5	120.8	144.2	165.0
120°	1.3	2.6	5.2	15.6	29.9	46.8	65.0	87.1	109.2	131.2	153.3
122.5°	1.3	1.3	5.2	13.0	26.0	41.6	59.8	76.7	97.5	118.2	137.7
125°	1.3	1.3	5.2	11.7	22.1	37.7	53.3	68.9	87.1	105.3	122.1
127.5°	1.3	1.3	3.9	9.1	19.5	32.5	46.8	63.7	76.7	93.6	110.5
130°	1.3	1.3	3.9	7.8	16.9	27.3	41.6	55.9	71.5	83.2	97.5
132.5°	1.3	1.3	3.9	6.5	13.0	22.1	35.1	48.1	62.4	75.4	87.1
135°	1.3	1.3	2.6	5.2	10.4	18.2	28.6	40.3	54.6	67.6	79.3
137.5°	1.3	1.3	2.6	5.2	7.8	15.6	22.1	32.5	45.5	57.2	68.9
140°	1.3	1.3	2.6	3.9	6.5	11.7	18.2	26.0	36.4	46.8	59.8
142.5°	1.3	1.3	1.3	3.9	5.2	9.1	14.3	20.8	28.6	37.7	48.1
145°	1.3	1.3	1.3	3.9	5.2	6.5	11.7	16.9	22.1	28.6	37.7
147.5°	1.3	1.3	1.3	2.6	3.9	5.2	9.1	13.0	16.9	22.1	27.3
150°	1.3	1.3	1.3	2.6	3.9	5.2	6.5	9.1	13.0	18.2	22.1
152.5°	1.3	1.3	1.3	2.6	2.6	3.9	5.2	6.5	9.1	13.0	15.6
155°	1.3	1.3	1.3	1.3	2.6	3.9	5.2	5.2	6.5	9.1	11.7
157.5°	1.3	1.3	1.3	1.3	2.6	2.6	3.9	3.9	5.2	5.2	7.8
160°	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	3.9	3.9	3.9
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	3.9	3.9
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
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°	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9
2.5°	1222.8	1224.1	1228.0	1228.0	1225.4	1225.4	1224.1	1222.8	1224.1	1226.7	1226.7
5°	1220.2	1221.5	1225.4	1226.7	1224.1	1222.8	1222.8	1221.5	1222.8	1225.4	1225.4
7.5°	1215.0	1216.3	1220.2	1221.5	1218.9	1218.9	1217.6	1216.3	1218.9	1220.2	1220.2
10°	1207.2	1208.5	1213.7	1215.0	1213.7	1212.4	1212.4	1211.1	1212.4	1215.0	1215.0
12.5°	1196.8	1199.4	1205.9	1205.9	1205.9	1204.6	1204.6	1203.3	1204.6	1207.2	1205.9
15°	1185.1	1190.3	1195.5	1198.1	1198.1	1198.1	1196.8	1195.5	1198.1	1199.4	1198.1
17.5°	1172.1	1178.6	1186.4	1189.0	1189.0	1190.3	1189.0	1187.7	1190.3	1190.3	1189.0
20°	1159.1	1165.6	1173.4	1176.0	1178.6	1179.9	1179.9	1178.6	1179.9	1181.2	1179.9
22.5°	1142.2	1150.0	1159.1	1163.0	1165.6	1168.2	1168.2	1168.2	1169.5	1170.8	1168.2
25°	1124.0	1133.1	1143.5	1147.4	1152.6	1153.9	1155.2	1155.2	1156.5	1157.8	1153.9
27.5°	1104.5	1114.9	1125.3	1131.8	1135.7	1138.3	1138.3	1139.6	1140.9	1142.2	1138.3
30°	1081.1	1096.7	1105.8	1111.0	1116.2	1120.1	1121.4	1122.7	1124.0	1125.3	1121.4
32.5°	1060.3	1073.3	1085.0	1091.5	1098.0	1103.2	1104.5	1104.5	1107.1	1107.1	1103.2
35°	1035.7	1051.3	1062.9	1069.4	1077.2	1081.1	1083.7	1083.7	1086.3	1086.3	1082.4
37.5°	1011.0	1026.6	1039.6	1047.4	1056.4	1061.6	1062.9	1062.9	1065.5	1065.5	1060.3
40°	985.0	1001.9	1016.2	1025.3	1033.1	1039.6	1040.9	1044.8	1044.8	1043.5	1038.3
42.5°	959.0	974.6	990.2	1000.6	1011.0	1017.5	1020.1	1021.4	1021.4	1020.1	1016.2
45°	930.4	948.6	962.9	975.9	986.3	992.8	996.7	998.0	998.0	995.4	991.5
47.5°	903.1	921.3	935.6	949.9	960.3	968.1	972.0	973.3	972.0	970.7	966.8
50°	874.5	895.3	909.6	923.9	934.3	940.8	947.3	948.6	947.3	946.0	938.2
52.5°	844.6	866.7	882.3	896.6	908.3	916.1	921.3	922.6	922.6	920.0	914.8
55°	814.8	834.2	853.7	869.3	882.3	890.1	896.6	899.2	896.6	894.0	887.5
57.5°	787.5	805.7	825.1	842.0	855.0	865.4	870.6	873.2	870.6	866.7	860.2
60°	755.0	774.5	796.6	812.2	826.4	836.8	839.4	844.6	842.0	838.1	831.6
62.5°	723.8	747.2	766.7	786.2	797.9	809.6	814.8	817.4	814.8	810.9	804.4
65°	691.3	717.3	736.8	756.3	769.3	781.0	787.5	788.8	786.2	782.3	775.8
67.5°	661.4	686.1	706.9	727.7	739.4	751.1	757.6	760.2	757.6	752.4	745.9
70°	631.5	656.2	680.9	696.5	710.8	723.8	727.7	731.6	729.0	723.8	716.0
72.5°	601.6	627.6	652.3	667.9	683.5	695.2	700.4	704.3	701.7	696.5	687.4
75°	570.5	597.7	622.4	639.3	654.9	666.6	671.8	675.7	673.1	667.9	657.5
77.5°	541.9	569.2	592.5	610.7	626.3	636.7	645.8	647.1	644.5	639.3	628.9
80°	512.0	539.3	564.0	582.2	597.7	608.1	614.6	618.5	615.9	610.7	600.3
82.5°	486.0	510.7	535.4	553.6	569.2	582.2	587.3	591.2	589.9	582.2	574.4
85°	457.4	486.0	505.5	525.0	540.6	553.6	557.5	562.7	561.4	554.9	544.5
87.5°	428.8	457.4	480.8	500.3	514.6	525.0	531.5	534.1	532.8	526.3	514.6
90°	405.4	431.4	454.8	475.6	487.3	499.0	505.5	506.8	506.8	499.0	489.9
92.5°	383.3	408.0	431.4	450.9	465.2	475.6	480.8	483.4	482.1	475.6	465.2
95°	358.6	385.9	408.0	427.5	441.8	452.2	457.4	460.0	458.7	452.2	441.8
97.5°	337.9	362.5	384.6	402.8	417.1	427.5	432.7	435.3	435.3	428.8	418.4
100°	317.1	341.8	362.5	380.7	393.7	404.1	409.3	410.6	409.3	404.1	393.7
102.5°	296.3	319.7	340.5	357.3	371.6	380.7	385.9	387.2	387.2	380.7	370.3
105°	275.5	298.9	318.4	336.6	348.3	357.3	361.2	365.1	363.8	358.6	348.3
107.5°	256.0	279.4	297.6	314.5	326.2	335.3	339.2	343.1	341.8	336.6	326.2
110°	237.8	259.9	276.8	293.7	304.1	313.2	319.7	321.0	318.4	313.2	304.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	220.9	240.4	257.3	272.9	284.6	291.1	296.3	298.9	296.3	291.1	284.6
115°	202.7	222.2	239.1	253.4	263.8	271.6	275.5	278.1	275.5	270.3	263.8
117.5°	185.8	204.0	220.9	235.2	244.3	250.8	254.7	257.3	254.7	250.8	244.3
120°	171.5	187.1	202.7	215.7	226.1	231.3	235.2	237.8	236.5	231.3	224.8
122.5°	154.6	171.5	185.8	198.8	207.9	213.1	215.7	218.3	217.0	213.1	206.6
125°	140.3	154.6	168.9	180.6	189.7	194.9	197.5	200.1	198.8	194.9	187.1
127.5°	124.7	140.3	152.0	163.7	170.2	178.0	179.3	181.9	180.6	176.7	170.2
130°	113.1	124.7	136.4	146.8	154.6	159.8	162.4	163.7	161.1	158.5	152.0
132.5°	98.8	111.8	122.1	131.2	136.4	141.6	144.2	145.5	145.5	141.6	136.4
135°	88.4	97.5	106.6	115.7	120.8	126.0	128.6	129.9	128.6	126.0	120.8
137.5°	79.3	87.1	93.6	101.4	107.9	110.5	113.1	113.1	111.8	110.5	106.6
140°	68.9	78.0	84.5	89.7	94.9	96.2	98.8	98.8	97.5	96.2	93.6
142.5°	58.5	66.3	72.8	79.3	83.2	85.8	87.1	88.4	87.1	85.8	81.9
145°	46.8	55.9	62.4	66.3	71.5	72.8	74.1	75.4	74.1	72.8	68.9
147.5°	36.4	44.2	50.7	55.9	59.8	61.1	62.4	63.7	62.4	59.8	58.5
150°	26.0	32.5	40.3	45.5	48.1	50.7	50.7	50.7	52.0	49.4	46.8
152.5°	20.8	23.4	28.6	33.8	37.7	39.0	40.3	40.3	39.0	39.0	36.4
155°	14.3	16.9	20.8	24.7	28.6	29.9	31.2	31.2	29.9	29.9	28.6
157.5°	9.1	11.7	14.3	16.9	20.8	22.1	23.4	23.4	23.4	22.1	20.8
160°	5.2	6.5	7.8	10.4	13.0	14.3	15.6	15.6	15.6	15.6	14.3
162.5°	3.9	3.9	3.9	5.2	6.5	7.8	9.1	9.1	9.1	9.1	7.8
165°	2.6	2.6	2.6	2.6	2.6	3.9	5.2	5.2	5.2	5.2	5.2
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-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9
2.5°	1225.4	1225.4	1226.7	1224.1	1216.3	1217.6	1217.6	1222.8	1225.4	1226.7	1233.2
5°	1222.8	1222.8	1225.4	1221.5	1215.0	1215.0	1215.0	1220.2	1221.5	1224.1	1229.3
7.5°	1218.9	1218.9	1220.2	1216.3	1208.5	1208.5	1207.2	1212.4	1215.0	1216.3	1221.5
10°	1212.4	1212.4	1213.7	1209.8	1200.7	1200.7	1199.4	1203.3	1204.6	1207.2	1211.1
12.5°	1203.3	1203.3	1203.3	1199.4	1190.3	1189.0	1187.7	1191.6	1191.6	1192.9	1196.8
15°	1195.5	1192.9	1192.9	1189.0	1179.9	1177.3	1174.7	1176.0	1178.6	1177.3	1179.9
17.5°	1186.4	1183.8	1181.2	1177.3	1165.6	1161.7	1159.1	1160.4	1159.1	1157.8	1160.4
20°	1176.0	1172.1	1170.8	1164.3	1152.6	1146.1	1140.9	1138.3	1139.6	1135.7	1137.0
22.5°	1164.3	1159.1	1156.5	1148.7	1137.0	1129.2	1122.7	1117.5	1116.2	1111.0	1112.3
25°	1150.0	1143.5	1139.6	1133.1	1120.1	1111.0	1103.2	1095.4	1091.5	1085.0	1083.7
27.5°	1133.1	1126.6	1121.4	1114.9	1101.9	1090.2	1081.1	1070.7	1065.5	1057.7	1053.8
30°	1116.2	1108.4	1100.6	1095.4	1081.1	1068.1	1053.8	1044.8	1037.0	1027.9	1021.4
32.5°	1095.4	1087.6	1079.8	1072.0	1059.0	1043.5	1031.8	1017.5	1008.4	998.0	990.2
35°	1074.6	1064.2	1056.4	1046.1	1034.4	1016.2	1001.9	987.6	975.9	964.2	955.1
37.5°	1051.3	1043.5	1031.8	1022.7	1008.4	990.2	974.6	956.4	946.0	930.4	918.7
40°	1029.2	1020.1	1008.4	996.7	982.4	961.6	944.7	923.9	912.2	894.0	882.3
42.5°	1007.1	994.1	982.4	969.4	953.8	934.3	913.5	892.7	877.1	860.2	843.3
45°	982.4	968.1	953.8	939.5	923.9	904.4	882.3	860.2	840.7	825.1	804.4
47.5°	956.4	942.1	925.2	909.6	892.7	873.2	849.8	826.4	805.7	787.5	765.4
50°	930.4	916.1	897.9	881.0	861.5	842.0	817.4	790.1	768.0	744.6	725.1
52.5°	903.1	888.8	871.9	849.8	829.0	809.6	783.6	755.0	730.3	710.8	686.1
55°	875.8	861.5	842.0	819.9	799.2	774.5	749.8	721.2	693.9	670.5	645.8
57.5°	847.2	834.2	812.2	794.0	768.0	742.0	716.0	688.7	658.8	631.5	602.9
60°	818.7	804.4	783.6	761.5	735.5	709.5	682.2	652.3	621.1	591.2	565.3
62.5°	792.7	774.5	755.0	731.6	704.3	679.6	648.4	615.9	584.8	553.6	522.4
65°	762.8	743.3	725.1	701.7	673.1	644.5	613.3	580.9	547.1	513.3	482.1
67.5°	732.9	713.4	693.9	670.5	640.6	610.7	578.3	545.8	508.1	475.6	439.2
70°	703.0	687.4	662.7	638.0	610.7	578.3	545.8	510.7	471.7	436.6	398.9
72.5°	673.1	657.5	632.8	606.8	580.9	547.1	512.0	476.9	440.5	400.2	359.9
75°	644.5	625.0	602.9	578.3	551.0	515.9	480.8	444.4	401.5	363.8	322.3
77.5°	617.2	599.0	577.0	549.7	519.8	486.0	449.6	411.9	369.0	328.8	283.3
80°	587.3	569.2	547.1	519.8	489.9	457.4	418.4	379.4	337.9	293.7	246.9
82.5°	558.8	541.9	517.2	492.5	460.0	427.5	388.5	349.6	305.4	262.5	217.0
85°	528.9	512.0	488.6	462.6	431.4	396.3	359.9	321.0	276.8	232.6	187.1
87.5°	502.9	483.4	460.0	434.0	402.8	369.0	334.0	292.4	249.5	206.6	159.8
90°	475.6	457.4	434.0	408.0	376.8	343.1	306.7	267.7	226.1	181.9	137.7
92.5°	452.2	432.7	410.6	384.6	353.4	321.0	284.6	245.6	205.3	162.4	119.5
95°	428.8	409.3	388.5	362.5	331.4	298.9	262.5	224.8	185.8	144.2	104.0
97.5°	402.8	385.9	365.1	340.5	309.3	278.1	243.0	206.6	168.9	128.6	91.0
100°	382.0	362.5	343.1	317.1	288.5	258.6	223.5	188.4	152.0	114.4	79.3
102.5°	358.6	340.5	321.0	296.3	267.7	237.8	205.3	171.5	137.7	102.7	68.9
105°	336.6	319.7	298.9	275.5	248.2	219.6	188.4	157.2	124.7	91.0	61.1
107.5°	314.5	297.6	278.1	256.0	230.0	201.4	172.8	141.6	111.8	81.9	54.6
110°	292.4	276.8	258.6	236.5	211.8	185.8	158.5	129.9	100.1	72.8	48.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	272.9	257.3	239.1	218.3	194.9	170.2	144.2	117.0	89.7	65.0	41.6
115°	253.4	239.1	220.9	202.7	179.3	155.9	131.2	105.3	80.6	58.5	36.4
117.5°	233.9	219.6	202.7	184.5	163.7	141.6	118.2	93.6	72.8	52.0	32.5
120°	214.4	201.4	185.8	168.9	150.7	128.6	105.3	84.5	65.0	45.5	28.6
122.5°	196.2	184.5	170.2	154.6	135.1	114.4	94.9	76.7	58.5	40.3	23.4
125°	179.3	167.6	154.6	139.0	120.8	102.7	85.8	68.9	50.7	35.1	19.5
127.5°	162.4	150.7	137.7	123.4	109.2	92.3	76.7	61.1	45.5	31.2	16.9
130°	145.5	135.1	123.4	111.8	97.5	81.9	68.9	53.3	39.0	24.7	14.3
132.5°	128.6	120.8	110.5	98.8	85.8	74.1	59.8	46.8	33.8	22.1	13.0
135°	114.4	106.6	97.5	87.1	76.7	65.0	52.0	40.3	28.6	18.2	10.4
137.5°	101.4	94.9	85.8	76.7	67.6	55.9	45.5	33.8	23.4	15.6	7.8
140°	89.7	83.2	75.4	66.3	58.5	48.1	37.7	27.3	20.8	13.0	6.5
142.5°	78.0	71.5	65.0	57.2	49.4	40.3	31.2	23.4	16.9	10.4	6.5
145°	66.3	61.1	54.6	48.1	40.3	32.5	26.0	19.5	13.0	7.8	5.2
147.5°	54.6	50.7	44.2	39.0	32.5	26.0	20.8	15.6	10.4	6.5	3.9
150°	44.2	40.3	35.1	29.9	26.0	20.8	16.9	11.7	7.8	6.5	3.9
152.5°	33.8	31.2	27.3	24.7	20.8	15.6	11.7	9.1	6.5	5.2	2.6
155°	27.3	24.7	22.1	18.2	15.6	11.7	9.1	6.5	5.2	3.9	2.6
157.5°	19.5	18.2	15.6	13.0	10.4	7.8	6.5	6.5	3.9	2.6	1.3
160°	13.0	11.7	10.4	7.8	6.5	6.5	5.2	3.9	2.6	2.6	1.3
162.5°	7.8	6.5	6.5	6.5	5.2	5.2	3.9	2.6	2.6	1.3	1.3
165°	5.2	5.2	5.2	3.9	3.9	3.9	2.6	1.3	1.3	1.3	1.3
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-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9
2.5°	1233.2	1229.3	1234.5	1243.6	1244.9	1243.6	1241.0	1244.9	1250.1	1248.8	1239.7
5°	1230.6	1225.4	1230.6	1239.7	1239.7	1238.4	1237.1	1241.0	1246.2	1244.9	1237.1
7.5°	1222.8	1217.6	1222.8	1230.6	1231.9	1229.3	1229.3	1233.2	1238.4	1237.1	1230.6
10°	1212.4	1207.2	1209.8	1218.9	1221.5	1218.9	1218.9	1222.8	1229.3	1228.0	1220.2
12.5°	1196.8	1192.9	1195.5	1203.3	1205.9	1204.6	1203.3	1208.5	1215.0	1215.0	1207.2
15°	1179.9	1174.7	1177.3	1186.4	1187.7	1185.1	1186.4	1190.3	1198.1	1198.1	1191.6
17.5°	1160.4	1153.9	1157.8	1164.3	1165.6	1165.6	1165.6	1170.8	1179.9	1178.6	1173.4
20°	1138.3	1129.2	1131.8	1138.3	1140.9	1140.9	1140.9	1150.0	1156.5	1156.5	1151.3
22.5°	1112.3	1105.8	1105.8	1112.3	1116.2	1114.9	1114.9	1122.7	1131.8	1130.5	1130.5
25°	1082.4	1077.2	1074.6	1082.4	1083.7	1085.0	1087.6	1095.4	1105.8	1105.8	1107.1
27.5°	1051.3	1046.1	1044.8	1051.3	1052.6	1053.8	1056.4	1065.5	1075.9	1077.2	1079.8
30°	1021.4	1013.6	1011.0	1016.2	1018.8	1020.1	1020.1	1034.4	1043.5	1047.4	1052.6
32.5°	986.3	978.5	972.0	981.1	982.4	985.0	986.3	1000.6	1011.0	1017.5	1025.3
35°	951.2	938.2	935.6	942.1	944.7	946.0	948.6	964.2	978.5	983.7	994.1
37.5°	912.2	903.1	895.3	901.8	904.4	905.7	913.5	927.8	942.1	949.9	960.3
40°	875.8	864.1	857.6	861.5	864.1	865.4	874.5	890.1	907.0	916.1	929.1
42.5°	835.5	819.9	814.8	818.7	819.9	823.8	831.6	852.4	869.3	882.3	892.7
45°	795.3	783.6	771.9	775.8	777.1	779.7	791.4	813.5	831.6	847.2	858.9
47.5°	753.7	739.4	727.7	730.3	735.5	736.8	749.8	775.8	792.7	809.6	825.1
50°	712.1	692.6	683.5	683.5	686.1	692.6	709.5	735.5	753.7	773.2	790.1
52.5°	669.2	651.0	640.6	641.9	644.5	652.3	667.9	693.9	714.7	735.5	756.3
55°	626.3	606.8	596.4	593.8	596.4	606.8	625.0	652.3	673.1	697.8	719.9
57.5°	583.5	560.1	551.0	547.1	549.7	562.7	580.9	609.4	635.4	658.8	684.8
60°	536.7	518.5	502.9	493.8	500.3	517.2	536.7	566.6	593.8	619.8	648.4
62.5°	496.4	473.0	456.1	447.0	453.5	467.8	495.1	523.7	553.6	583.5	612.0
65°	450.9	427.5	408.0	398.9	405.4	422.3	449.6	480.8	513.3	543.2	577.0
67.5°	406.7	382.0	358.6	349.6	357.3	375.5	405.4	440.5	475.6	506.8	543.2
70°	363.8	336.6	311.9	305.4	310.6	335.3	363.8	398.9	435.3	471.7	509.4
72.5°	324.9	291.1	265.1	257.3	263.8	291.1	323.6	359.9	398.9	437.9	478.2
75°	279.4	248.2	219.6	210.5	218.3	243.0	283.3	322.3	363.8	405.4	443.1
77.5°	243.0	206.6	176.7	162.4	175.4	206.6	245.6	287.2	330.1	372.9	415.8
80°	205.3	167.6	135.1	119.5	133.8	167.6	206.6	252.1	300.2	343.1	382.0
82.5°	171.5	131.2	97.5	80.6	96.2	133.8	176.7	222.2	269.0	311.9	357.3
85°	140.3	98.8	63.7	45.5	67.6	101.4	146.8	193.6	241.7	285.9	330.1
87.5°	114.4	74.1	39.0	19.5	41.6	79.3	122.1	168.9	217.0	261.2	302.8
90°	93.6	53.3	20.8	2.6	24.7	59.8	101.4	146.8	192.3	237.8	279.4
92.5°	76.7	40.3	11.7	1.3	15.6	48.1	87.1	129.9	174.1	218.3	258.6
95°	63.7	31.2	7.8	1.3	11.7	37.7	74.1	115.7	157.2	200.1	240.4
97.5°	54.6	26.0	6.5	1.3	9.1	32.5	63.7	102.7	142.9	183.2	222.2
100°	46.8	20.8	5.2	1.3	7.8	27.3	55.9	91.0	128.6	167.6	205.3
102.5°	40.3	16.9	3.9	1.3	6.5	23.4	49.4	81.9	115.7	153.3	189.7
105°	35.1	14.3	3.9	1.3	5.2	20.8	44.2	72.8	106.6	140.3	175.4
107.5°	29.9	11.7	2.6	1.3	3.9	16.9	39.0	66.3	96.2	128.6	161.1
110°	26.0	10.4	2.6	1.3	3.9	15.6	33.8	59.8	87.1	117.0	148.1



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	22.1	7.8	2.6	1.3	2.6	13.0	29.9	53.3	79.3	106.6	136.4
115°	19.5	6.5	1.3	1.3	2.6	11.7	27.3	48.1	71.5	97.5	124.7
117.5°	15.6	5.2	1.3	1.3	1.3	9.1	23.4	42.9	65.0	89.7	114.4
120°	13.0	5.2	1.3	1.3	1.3	7.8	20.8	37.7	58.5	80.6	104.0
122.5°	11.7	3.9	1.3	1.3	1.3	6.5	18.2	33.8	52.0	72.8	94.9
125°	10.4	3.9	1.3	1.3	1.3	5.2	15.6	29.9	46.8	65.0	85.8
127.5°	7.8	3.9	1.3	1.3	1.3	3.9	14.3	26.0	41.6	58.5	76.7
130°	6.5	2.6	1.3	1.3	1.3	3.9	11.7	23.4	36.4	52.0	68.9
132.5°	5.2	2.6	1.3	1.3	1.3	2.6	9.1	18.2	31.2	45.5	61.1
135°	5.2	2.6	1.3	1.3	1.3	2.6	6.5	15.6	26.0	39.0	52.0
137.5°	5.2	1.3	1.3	1.3	1.3	2.6	5.2	11.7	20.8	31.2	42.9
140°	3.9	1.3	1.3	1.3	1.3	1.3	3.9	9.1	16.9	26.0	36.4
142.5°	3.9	1.3	1.3	1.3	1.3	1.3	3.9	6.5	13.0	20.8	28.6
145°	2.6	1.3	1.3	1.3	1.3	1.3	2.6	5.2	10.4	15.6	23.4
147.5°	2.6	1.3	1.3	1.3	1.3	1.3	2.6	3.9	7.8	13.0	18.2
150°	2.6	1.3	1.3	1.3	1.3	1.3	2.6	3.9	5.2	9.1	14.3
152.5°	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	6.5	9.1
155°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9	5.2	6.5
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9	5.2
160°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	3.9
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9
2.5°	1235.8	1226.7	1229.3	1228.0	1230.6	1234.5	1234.5	1233.2	1233.2	1230.6	1228.0
5°	1233.2	1224.1	1228.0	1226.7	1229.3	1233.2	1233.2	1231.9	1231.9	1228.0	1226.7
7.5°	1225.4	1218.9	1221.5	1221.5	1224.1	1228.0	1228.0	1226.7	1226.7	1222.8	1221.5
10°	1217.6	1209.8	1213.7	1213.7	1216.3	1221.5	1221.5	1220.2	1220.2	1216.3	1215.0
12.5°	1204.6	1196.8	1203.3	1204.6	1207.2	1212.4	1211.1	1211.1	1211.1	1207.2	1205.9
15°	1189.0	1183.8	1190.3	1191.6	1195.5	1202.0	1202.0	1202.0	1202.0	1198.1	1196.8
17.5°	1172.1	1168.2	1174.7	1177.3	1182.5	1189.0	1189.0	1190.3	1191.6	1189.0	1187.7
20°	1152.6	1150.0	1156.5	1161.7	1169.5	1176.0	1178.6	1179.9	1182.5	1179.9	1178.6
22.5°	1130.5	1130.5	1139.6	1144.8	1153.9	1160.4	1164.3	1168.2	1170.8	1168.2	1166.9
25°	1105.8	1109.7	1118.8	1127.9	1138.3	1144.8	1148.7	1153.9	1156.5	1155.2	1153.9
27.5°	1082.4	1087.6	1099.3	1108.4	1117.5	1127.9	1131.8	1138.3	1140.9	1140.9	1139.6
30°	1055.1	1062.9	1075.9	1086.3	1098.0	1108.4	1113.6	1120.1	1124.0	1121.4	1122.7
32.5°	1029.2	1042.2	1052.6	1064.2	1077.2	1087.6	1094.1	1101.9	1105.8	1104.5	1105.8
35°	1000.6	1013.6	1027.9	1039.6	1055.1	1065.5	1074.6	1081.1	1086.3	1085.0	1085.0
37.5°	969.4	986.3	1000.6	1016.2	1030.5	1042.2	1051.3	1059.0	1064.2	1064.2	1064.2
40°	939.5	957.7	972.0	990.2	1008.4	1018.8	1029.2	1037.0	1042.2	1043.5	1044.8
42.5°	907.0	926.5	943.4	962.9	981.1	994.1	1005.8	1014.9	1020.1	1022.7	1021.4
45°	877.1	895.3	914.8	936.9	953.8	966.8	981.1	991.5	996.7	998.0	999.3
47.5°	843.3	864.1	886.2	908.3	925.2	942.1	955.1	965.5	970.7	974.6	974.6
50°	810.9	832.9	857.6	881.0	899.2	916.1	929.1	940.8	947.3	949.9	951.2
52.5°	781.0	801.8	827.7	851.1	869.3	886.2	903.1	916.1	922.6	925.2	925.2
55°	744.6	770.6	799.2	821.2	840.7	860.2	877.1	890.1	896.6	900.5	903.1
57.5°	710.8	738.1	768.0	791.4	814.8	832.9	848.5	865.4	870.6	875.8	877.1
60°	678.3	705.6	734.2	760.2	783.6	803.1	821.2	835.5	844.6	847.2	849.8
62.5°	644.5	673.1	703.0	729.0	753.7	777.1	794.0	807.0	817.4	821.2	823.8
65°	612.0	641.9	671.8	699.1	725.1	748.5	765.4	778.4	788.8	795.3	796.6
67.5°	577.0	609.4	640.6	669.2	695.2	719.9	736.8	749.8	760.2	768.0	769.3
70°	544.5	578.3	609.4	640.6	666.6	691.3	709.5	722.5	734.2	739.4	742.0
72.5°	513.3	548.4	580.9	612.0	638.0	662.7	682.2	695.2	706.9	713.4	714.7
75°	483.4	518.5	553.6	583.5	610.7	635.4	654.9	669.2	679.6	686.1	688.7
77.5°	453.5	489.9	525.0	554.9	583.5	608.1	625.0	641.9	652.3	660.1	660.1
80°	423.6	461.3	497.7	527.6	556.2	578.3	597.7	614.6	625.0	632.8	632.8
82.5°	397.6	434.0	469.1	499.0	527.6	552.3	571.8	587.3	599.0	604.2	605.5
85°	367.7	408.0	440.5	473.0	500.3	523.7	543.2	560.1	570.5	575.7	578.3
87.5°	343.1	382.0	417.1	445.7	473.0	496.4	518.5	532.8	543.2	549.7	552.3
90°	319.7	357.3	392.4	421.0	449.6	471.7	492.5	506.8	518.5	523.7	526.3
92.5°	298.9	336.6	370.3	398.9	426.2	450.9	470.4	484.7	495.1	500.3	504.2
95°	279.4	315.8	348.3	379.4	405.4	427.5	448.3	462.6	474.3	478.2	482.1
97.5°	259.9	295.0	327.5	357.3	384.6	405.4	424.9	439.2	448.3	454.8	458.7
100°	243.0	276.8	308.0	336.6	362.5	382.0	402.8	415.8	424.9	430.1	435.3
102.5°	224.8	258.6	288.5	315.8	343.1	361.2	380.7	393.7	401.5	410.6	410.6
105°	209.2	240.4	270.3	296.3	319.7	341.8	358.6	371.6	380.7	387.2	387.2
107.5°	192.3	223.5	252.1	279.4	301.5	322.3	337.9	349.6	359.9	363.8	367.7
110°	179.3	206.6	235.2	261.2	282.0	301.5	317.1	330.1	339.2	343.1	345.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	163.7	192.3	218.3	243.0	263.8	282.0	297.6	308.0	317.1	322.3	323.6
115°	150.7	178.0	201.4	224.8	246.9	262.5	276.8	287.2	296.3	300.2	302.8
117.5°	139.0	163.7	187.1	206.6	227.4	244.3	258.6	267.7	275.5	280.7	283.3
120°	127.3	150.7	171.5	191.0	210.5	226.1	239.1	248.2	257.3	261.2	261.2
122.5°	115.7	137.7	157.2	175.4	193.6	207.9	222.2	230.0	237.8	241.7	241.7
125°	105.3	126.0	144.2	161.1	178.0	191.0	202.7	211.8	219.6	222.2	222.2
127.5°	94.9	114.4	131.2	146.8	161.1	174.1	185.8	194.9	201.4	204.0	204.0
130°	85.8	102.7	118.2	133.8	148.1	158.5	170.2	178.0	181.9	185.8	187.1
132.5°	76.7	92.3	106.6	119.5	133.8	144.2	153.3	161.1	165.0	168.9	170.2
135°	67.6	81.9	94.9	107.9	119.5	129.9	137.7	144.2	149.4	152.0	153.3
137.5°	57.2	72.8	84.5	94.9	107.9	115.7	124.7	128.6	133.8	136.4	136.4
140°	48.1	59.8	72.8	83.2	93.6	101.4	109.2	115.7	119.5	120.8	120.8
142.5°	39.0	49.4	59.8	72.8	81.9	88.4	96.2	101.4	104.0	105.3	106.6
145°	31.2	39.0	48.1	59.8	70.2	78.0	81.9	87.1	89.7	91.0	92.3
147.5°	23.4	31.2	39.0	46.8	57.2	65.0	68.9	74.1	76.7	78.0	78.0
150°	18.2	23.4	28.6	36.4	44.2	53.3	58.5	62.4	63.7	65.0	65.0
152.5°	13.0	18.2	22.1	27.3	32.5	40.3	48.1	50.7	52.0	53.3	53.3
155°	9.1	13.0	15.6	19.5	23.4	29.9	36.4	40.3	41.6	42.9	42.9
157.5°	6.5	9.1	10.4	14.3	16.9	19.5	24.7	31.2	32.5	32.5	32.5
160°	3.9	5.2	6.5	9.1	10.4	13.0	15.6	19.5	23.4	23.4	23.4
162.5°	2.6	3.9	3.9	5.2	5.2	7.8	9.1	10.4	14.3	15.6	15.6
165°	1.3	2.6	2.6	2.6	2.6	2.6	3.9	3.9	6.5	7.8	7.8
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-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9
2.5°	1229.3	1231.9	1230.6	1230.6	1230.6	1233.2	1230.6	1218.9	1221.5	1224.1	1226.7
5°	1228.0	1229.3	1229.3	1228.0	1228.0	1230.6	1228.0	1216.3	1218.9	1221.5	1222.8
7.5°	1222.8	1224.1	1224.1	1224.1	1222.8	1225.4	1221.5	1211.1	1211.1	1213.7	1215.0
10°	1216.3	1218.9	1217.6	1216.3	1216.3	1216.3	1213.7	1202.0	1202.0	1203.3	1204.6
12.5°	1208.5	1208.5	1208.5	1207.2	1205.9	1205.9	1203.3	1191.6	1190.3	1192.9	1191.6
15°	1198.1	1200.7	1198.1	1196.8	1194.2	1194.2	1190.3	1178.6	1176.0	1177.3	1176.0
17.5°	1189.0	1190.3	1187.7	1185.1	1182.5	1181.2	1177.3	1164.3	1160.4	1161.7	1159.1
20°	1179.9	1179.9	1177.3	1174.7	1170.8	1166.9	1161.7	1148.7	1142.2	1142.2	1137.0
22.5°	1168.2	1168.2	1165.6	1161.7	1157.8	1152.6	1147.4	1134.4	1124.0	1121.4	1117.5
25°	1155.2	1153.9	1152.6	1148.7	1140.9	1135.7	1130.5	1116.2	1104.5	1099.3	1092.8
27.5°	1139.6	1139.6	1135.7	1131.8	1124.0	1117.5	1111.0	1098.0	1082.4	1075.9	1066.8
30°	1122.7	1122.7	1118.8	1113.6	1105.8	1098.0	1090.2	1074.6	1059.0	1050.0	1039.6
32.5°	1105.8	1104.5	1100.6	1095.4	1087.6	1075.9	1069.4	1053.8	1035.7	1025.3	1011.0
35°	1085.0	1083.7	1079.8	1073.3	1062.9	1053.8	1043.5	1029.2	1008.4	995.4	979.8
37.5°	1064.2	1062.9	1060.3	1051.3	1040.9	1030.5	1017.5	1003.2	983.7	966.8	951.2
40°	1043.5	1042.2	1037.0	1030.5	1017.5	1004.5	991.5	977.2	956.4	936.9	920.0
42.5°	1021.4	1020.1	1013.6	1005.8	991.5	978.5	962.9	947.3	926.5	903.1	886.2
45°	999.3	996.7	990.2	981.1	965.5	951.2	935.6	917.4	896.6	874.5	852.4
47.5°	975.9	972.0	965.5	952.5	939.5	923.9	905.7	886.2	865.4	840.7	817.4
50°	949.9	947.3	939.5	927.8	912.2	896.6	875.8	856.3	831.6	808.3	779.7
52.5°	925.2	920.0	913.5	900.5	884.9	868.0	845.9	822.5	797.9	775.8	745.9
55°	899.2	896.6	887.5	877.1	857.6	838.1	817.4	792.7	765.4	739.4	710.8
57.5°	874.5	869.3	861.5	847.2	830.3	810.9	788.8	762.8	732.9	705.6	674.4
60°	849.8	842.0	832.9	819.9	801.8	781.0	757.6	730.3	700.4	670.5	638.0
62.5°	822.5	816.1	805.7	792.7	774.5	752.4	727.7	699.1	670.5	639.3	604.2
65°	795.3	788.8	778.4	765.4	747.2	722.5	696.5	667.9	635.4	605.5	567.9
67.5°	768.0	761.5	749.8	735.5	717.3	693.9	666.6	636.7	604.2	571.8	532.8
70°	740.7	732.9	722.5	706.9	688.7	664.0	636.7	605.5	573.1	538.0	499.0
72.5°	713.4	706.9	693.9	679.6	660.1	635.4	608.1	577.0	543.2	506.8	467.8
75°	686.1	678.3	669.2	652.3	631.5	608.1	579.6	548.4	512.0	476.9	436.6
77.5°	658.8	652.3	640.6	623.7	604.2	579.6	551.0	519.8	483.4	447.0	404.1
80°	631.5	623.7	614.6	599.0	577.0	552.3	522.4	491.2	454.8	417.1	374.2
82.5°	604.2	596.4	586.0	570.5	549.7	525.0	496.4	462.6	426.2	387.2	347.0
85°	577.0	570.5	558.8	543.2	521.1	496.4	467.8	437.9	398.9	359.9	319.7
87.5°	549.7	543.2	531.5	515.9	495.1	470.4	441.8	410.6	372.9	336.6	292.4
90°	523.7	518.5	506.8	491.2	470.4	445.7	419.7	385.9	349.6	313.2	271.6
92.5°	500.3	495.1	484.7	469.1	450.9	423.6	397.6	365.1	328.8	291.1	250.8
95°	479.5	473.0	462.6	448.3	426.2	402.8	376.8	344.4	309.3	271.6	232.6
97.5°	456.1	449.6	439.2	423.6	405.4	380.7	354.7	323.6	288.5	253.4	214.4
100°	432.7	426.2	414.5	401.5	383.3	358.6	334.0	302.8	270.3	236.5	198.8
102.5°	409.3	402.8	392.4	379.4	361.2	339.2	314.5	284.6	252.1	218.3	183.2
105°	387.2	380.7	370.3	357.3	340.5	318.4	292.4	266.4	235.2	202.7	168.9
107.5°	365.1	358.6	349.6	336.6	319.7	298.9	274.2	246.9	218.3	187.1	154.6
110°	343.1	337.9	327.5	315.8	298.9	278.1	256.0	230.0	201.4	172.8	141.6



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	322.3	317.1	306.7	293.7	279.4	259.9	237.8	213.1	185.8	158.5	128.6
115°	301.5	295.0	285.9	274.2	259.9	241.7	220.9	198.8	171.5	145.5	118.2
117.5°	280.7	275.5	266.4	254.7	241.7	223.5	204.0	183.2	157.2	132.5	107.9
120°	259.9	256.0	246.9	236.5	223.5	206.6	188.4	167.6	144.2	120.8	97.5
122.5°	240.4	236.5	227.4	218.3	205.3	189.7	172.8	153.3	132.5	110.5	89.7
125°	222.2	217.0	209.2	200.1	188.4	174.1	157.2	139.0	119.5	100.1	80.6
127.5°	202.7	198.8	193.6	183.2	171.5	158.5	142.9	127.3	109.2	91.0	72.8
130°	187.1	181.9	175.4	167.6	157.2	144.2	129.9	114.4	98.8	81.9	63.7
132.5°	168.9	163.7	158.5	150.7	141.6	129.9	117.0	102.7	88.4	72.8	57.2
135°	152.0	148.1	142.9	135.1	126.0	117.0	104.0	91.0	78.0	63.7	50.7
137.5°	136.4	132.5	127.3	122.1	113.1	104.0	92.3	80.6	68.9	55.9	44.2
140°	120.8	118.2	113.1	107.9	100.1	91.0	80.6	70.2	59.8	48.1	37.7
142.5°	105.3	102.7	98.8	93.6	87.1	79.3	70.2	61.1	50.7	41.6	32.5
145°	91.0	89.7	85.8	80.6	75.4	67.6	59.8	52.0	42.9	35.1	26.0
147.5°	76.7	75.4	72.8	68.9	63.7	57.2	50.7	42.9	36.4	28.6	20.8
150°	63.7	62.4	61.1	55.9	53.3	46.8	41.6	35.1	29.9	22.1	16.9
152.5°	52.0	52.0	49.4	45.5	42.9	37.7	33.8	28.6	23.4	18.2	13.0
155°	41.6	40.3	39.0	36.4	33.8	29.9	26.0	22.1	18.2	13.0	9.1
157.5°	32.5	31.2	29.9	27.3	24.7	23.4	19.5	15.6	11.7	9.1	6.5
160°	23.4	22.1	20.8	19.5	18.2	15.6	13.0	10.4	7.8	5.2	3.9
162.5°	15.6	14.3	14.3	13.0	11.7	9.1	7.8	6.5	5.2	3.9	2.6
165°	7.8	7.8	6.5	6.5	5.2	3.9	3.9	3.9	2.6	2.6	1.3
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-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9	1231.9
2.5°	1225.4	1225.4	1230.6	1229.3	1225.4	1233.2	1242.3
5°	1221.5	1221.5	1225.4	1225.4	1221.5	1229.3	1237.1
7.5°	1215.0	1213.7	1217.6	1217.6	1212.4	1218.9	1228.0
10°	1203.3	1202.0	1205.9	1205.9	1200.7	1207.2	1215.0
12.5°	1190.3	1187.7	1191.6	1190.3	1185.1	1191.6	1199.4
15°	1173.4	1172.1	1174.7	1172.1	1166.9	1173.4	1181.2
17.5°	1156.5	1152.6	1153.9	1153.9	1144.8	1151.3	1157.8
20°	1134.4	1129.2	1130.5	1129.2	1122.7	1126.6	1134.4
22.5°	1112.3	1104.5	1104.5	1103.2	1095.4	1100.6	1107.1
25°	1085.0	1075.9	1075.9	1074.6	1065.5	1069.4	1075.9
27.5°	1057.7	1048.7	1044.8	1043.5	1034.4	1034.4	1043.5
30°	1029.2	1016.2	1013.6	1009.7	1000.6	1000.6	1008.4
32.5°	1001.9	983.7	978.5	973.3	964.2	962.9	972.0
35°	965.5	951.2	942.1	936.9	926.5	923.9	931.7
37.5°	935.6	917.4	904.4	897.9	887.5	883.6	894.0
40°	903.1	883.6	866.7	862.8	847.2	842.0	851.1
42.5°	866.7	845.9	829.0	821.2	809.6	804.4	805.7
45°	830.3	808.3	790.1	779.7	768.0	758.9	764.1
47.5°	792.7	773.2	751.1	735.5	721.2	714.7	717.3
50°	755.0	731.6	710.8	693.9	677.0	669.2	674.4
52.5°	717.3	692.6	669.2	651.0	631.5	623.7	625.0
55°	680.9	654.9	627.6	608.1	589.9	578.3	575.7
57.5°	644.5	615.9	587.3	565.3	541.9	531.5	527.6
60°	605.5	575.7	545.8	519.8	495.1	483.4	478.2
62.5°	569.2	536.7	502.9	475.6	450.9	435.3	431.4
65°	534.1	496.4	462.6	431.4	404.1	387.2	382.0
67.5°	496.4	457.4	421.0	387.2	361.2	339.2	336.6
70°	461.3	419.7	379.4	344.4	315.8	293.7	283.3
72.5°	426.2	383.3	341.8	304.1	267.7	246.9	239.1
75°	392.4	348.3	304.1	265.1	224.8	200.1	192.3
77.5°	361.2	315.8	269.0	226.1	188.4	157.2	146.8
80°	331.4	284.6	235.2	191.0	150.7	117.0	105.3
82.5°	300.2	256.0	205.3	158.5	117.0	81.9	67.6
85°	272.9	228.7	178.0	131.2	89.7	52.0	36.4
87.5°	250.8	202.7	157.2	110.5	67.6	29.9	10.4
90°	228.7	181.9	136.4	91.0	50.7	16.9	1.3
92.5°	209.2	165.0	119.5	78.0	39.0	11.7	1.3
95°	191.0	148.1	105.3	65.0	31.2	7.8	1.3
97.5°	174.1	133.8	93.6	55.9	26.0	6.5	1.3
100°	159.8	120.8	83.2	49.4	22.1	5.2	1.3
102.5°	145.5	109.2	74.1	42.9	19.5	3.9	1.3
105°	133.8	98.8	66.3	39.0	16.9	3.9	1.3
107.5°	122.1	89.7	59.8	33.8	14.3	2.6	1.3
110°	110.5	81.9	53.3	29.9	13.0	2.6	1.3



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-61SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	101.4	74.1	48.1	27.3	10.4	2.6	1.3
115°	92.3	66.3	42.9	23.4	9.1	1.3	1.3
117.5°	83.2	59.8	37.7	20.8	7.8	1.3	1.3
120°	75.4	53.3	33.8	18.2	6.5	1.3	1.3
122.5°	67.6	48.1	29.9	15.6	5.2	1.3	1.3
125°	61.1	42.9	26.0	13.0	3.9	1.3	1.3
127.5°	54.6	37.7	23.4	11.7	3.9	1.3	1.3
130°	48.1	33.8	19.5	9.1	2.6	1.3	1.3
132.5°	42.9	28.6	16.9	7.8	2.6	1.3	1.3
135°	37.7	24.7	14.3	5.2	2.6	1.3	1.3
137.5°	32.5	20.8	11.7	3.9	1.3	1.3	1.3
140°	27.3	18.2	9.1	3.9	1.3	1.3	1.3
142.5°	23.4	14.3	6.5	2.6	1.3	1.3	1.3
145°	18.2	11.7	5.2	2.6	1.3	1.3	1.3
147.5°	14.3	9.1	3.9	2.6	1.3	1.3	1.3
150°	10.4	6.5	3.9	1.3	1.3	1.3	1.3
152.5°	7.8	5.2	2.6	1.3	1.3	1.3	1.3
155°	5.2	3.9	2.6	1.3	1.3	1.3	1.3
157.5°	3.9	2.6	1.3	1.3	1.3	1.3	1.3
160°	2.6	1.3	1.3	1.3	1.3	1.3	1.3
162.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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)