

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: P290185

Luminaire Tested: **4SSRK-LC-30-L835-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P290185
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: 4SSRK-LC-30-L835-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3194.7 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

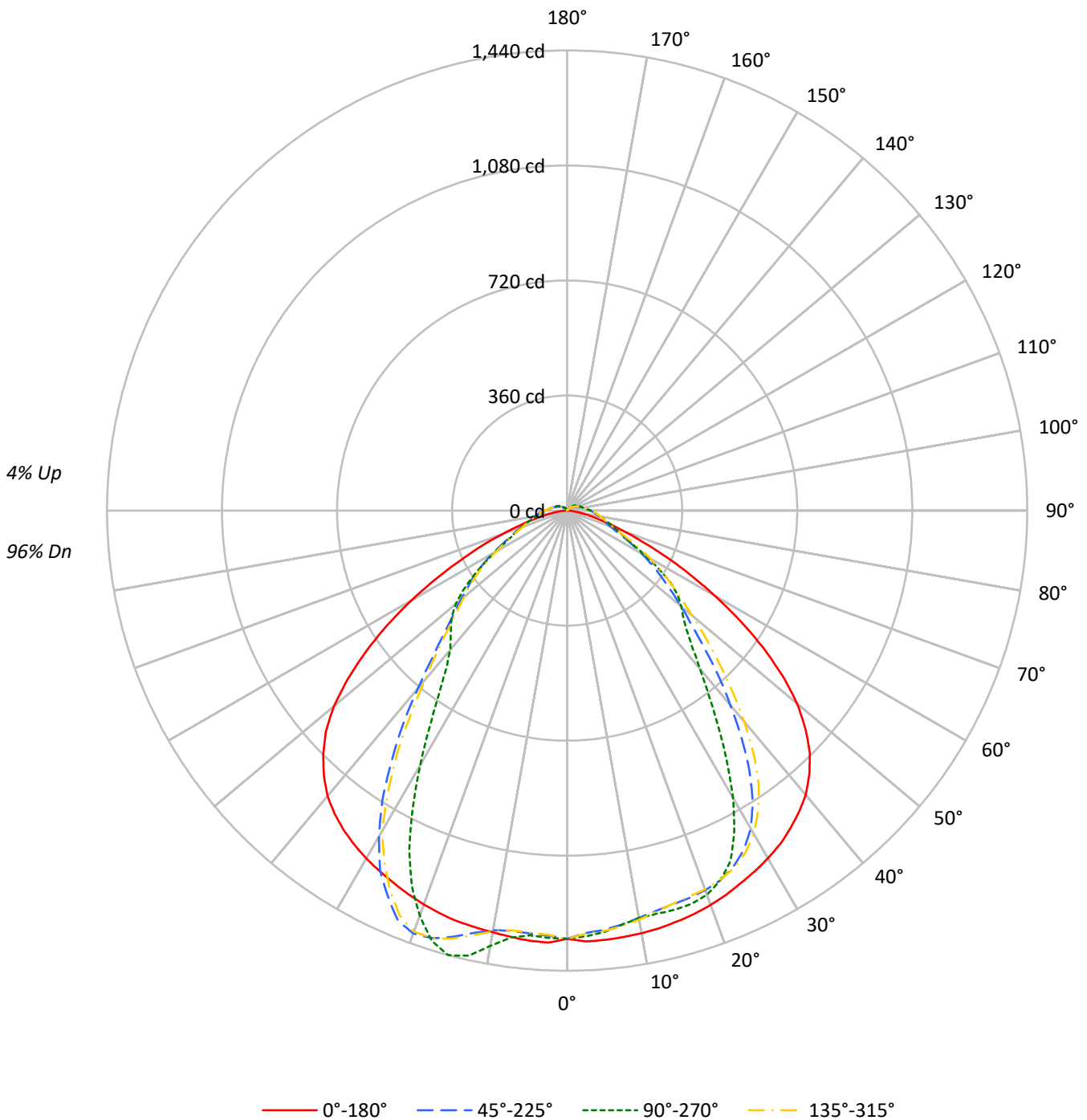
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	86548	86548	86548	86548
5°	87099	63593	87280	64088
10°	87424	49804	87242	53185
15°	88016	41751	87970	46485
20°	88898	35799	88803	37735
25°	89900	30091	89851	29076
30°	91486	23381	91537	20713
35°	93169	17086	93429	14458
40°	94615	12498	95006	11012
45°	94134	9647	94616	9395
50°	89910	8105	91173	7924
55°	79599	6641	81575	6037
60°	64380	4624	67801	4241
65°	47682	3202	51371	3038
70°	32260	2485	36360	2377
75°	20925	1996	24359	1886
80°	13327	1630	15613	1500
85°	6626	1394	8684	1274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	4.0
10°-20°	378.7	11.9
20°-30°	575.8	18.0
30°-40°	617.7	19.3
40°-50°	536.1	16.8
50°-60°	397.3	12.4
60°-70°	227.6	7.1
70°-80°	126.1	3.9
80°-90°	76.8	2.4
90°-100°	49.9	1.6
100°-110°	33.4	1.0
110°-120°	22.6	0.7
120°-130°	13.9	0.4
130°-140°	7.3	0.2
140°-150°	3.3	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1081.8	33.9
0°-40°	1699.5	53.2
0°-60°	2632.9	82.4
0°-90°	3063.3	95.9
90°-120°	105.9	3.3
90°-150°	130.4	4.1
90°-180°	131.0	4.1
0°-180°	3194.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1340	1340	1340	1340	1340	
5°	1348	1324	1351	1334	1348	129
15°	1331	1294	1330	1440	1331	377
25°	1286	1210	1285	1169	1286	595
35°	1216	824	1220	697	1216	761
45°	1074	528	1079	514	1074	822
55°	749	396	768	360	749	664
65°	340	201	366	190	340	343
75°	97	127	113	120	97	111
85°	13	88	17	80	13	17
90°	0	73	1	68	0	1
95°	1	60	0	58	1	0
105°	1	45	1	43	1	1
115°	1	37	1	33	1	1
125°	1	28	1	23	1	1
135°	1	17	1	14	1	1
145°	1	10	1	8	1	0
155°	1	5	1	4	1	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1
2.5°	1349.8	1346.3	1344.9	1342.2	1344.2	1352.5	1347.0	1338.0	1338.7	1322.8	1331.1
5°	1348.4	1344.2	1342.2	1339.4	1340.8	1348.4	1342.9	1333.9	1333.2	1317.2	1324.9
7.5°	1346.3	1342.2	1338.7	1336.6	1337.3	1343.5	1336.6	1326.2	1324.2	1306.9	1313.8
10°	1342.9	1340.1	1335.2	1331.8	1331.1	1338.0	1326.9	1316.5	1311.7	1293.7	1300.6
12.5°	1338.0	1333.9	1329.0	1322.8	1322.1	1326.2	1317.2	1302.7	1297.9	1283.3	1290.9
15°	1331.1	1326.2	1320.7	1313.8	1310.3	1313.1	1302.0	1288.9	1288.2	1275.7	1286.1
17.5°	1323.5	1316.5	1310.3	1300.6	1295.8	1297.9	1288.9	1277.1	1278.5	1270.9	1282.6
20°	1313.1	1305.5	1295.8	1286.1	1279.2	1282.6	1276.4	1267.4	1269.5	1263.9	1274.3
22.5°	1301.3	1290.9	1279.2	1268.1	1262.6	1267.4	1262.6	1254.9	1255.6	1252.2	1258.4
25°	1286.1	1274.3	1260.5	1246.6	1243.9	1247.3	1244.6	1238.3	1235.6	1230.0	1232.8
27.5°	1272.2	1259.1	1241.8	1227.3	1222.4	1229.3	1223.1	1212.7	1205.1	1197.5	1192.0
30°	1256.3	1240.4	1221.0	1204.4	1200.3	1203.0	1194.0	1178.1	1158.0	1148.3	1133.1
32.5°	1239.0	1218.3	1194.0	1175.3	1172.6	1170.5	1153.9	1131.0	1099.9	1080.5	1057.0
35°	1216.2	1193.3	1164.3	1141.4	1137.3	1125.5	1098.5	1068.1	1027.9	994.7	954.5
37.5°	1190.6	1163.6	1133.1	1102.7	1090.9	1067.4	1029.3	997.4	936.5	896.4	847.9
40°	1161.5	1129.0	1091.6	1054.9	1035.5	997.4	953.8	906.8	847.9	793.9	753.1
42.5°	1121.3	1086.7	1042.4	1001.6	968.4	917.8	866.6	800.2	746.2	700.5	659.0
45°	1073.6	1032.1	980.8	931.7	889.5	829.2	769.0	702.6	657.6	604.3	575.9
47.5°	1012.0	967.0	912.3	857.6	802.2	735.8	672.8	609.1	564.1	526.1	505.3
50°	939.3	897.8	837.6	772.5	711.6	642.4	579.4	531.6	488.0	464.5	448.5
52.5°	849.3	810.6	749.0	678.3	619.5	551.7	494.2	455.5	424.3	407.0	401.5
55°	749.0	715.0	654.1	588.4	528.1	465.8	422.2	388.3	368.2	357.9	358.6
57.5°	641.7	615.4	557.9	499.1	442.3	395.2	355.8	328.8	313.6	312.9	314.9
60°	534.4	515.0	465.2	414.6	364.8	326.7	297.6	279.0	269.3	270.0	269.3
62.5°	431.9	413.9	377.9	336.4	296.9	271.3	245.0	237.4	229.1	228.4	228.4
65°	339.9	326.0	296.9	267.2	237.4	220.8	207.7	198.7	192.4	191.0	191.7
67.5°	255.4	249.9	229.8	209.7	191.0	180.7	169.6	167.5	162.7	162.7	164.0
70°	190.4	186.2	175.1	163.4	155.7	148.8	143.3	143.3	142.6	141.9	145.4
72.5°	137.7	138.4	135.0	126.0	125.3	123.9	122.5	124.6	125.3	127.4	131.5
75°	96.9	99.0	99.0	97.6	100.4	103.8	105.9	109.4	113.5	116.3	121.1
77.5°	68.5	68.5	72.0	76.1	81.7	87.9	93.4	98.3	103.8	107.3	111.4
80°	44.3	46.4	51.9	59.5	67.1	75.4	83.1	89.3	94.8	100.4	103.1
82.5°	26.3	29.8	36.7	46.4	56.1	66.5	74.1	81.7	87.9	93.4	95.5
85°	13.2	18.0	26.3	36.7	47.1	58.1	67.8	74.8	81.7	86.5	89.3
87.5°	4.2	9.7	18.7	28.4	39.5	50.5	60.9	68.5	74.8	78.9	81.7
90°	0.0	4.8	13.2	23.5	33.9	45.0	54.7	63.0	69.2	72.7	74.8
92.5°	0.0	2.8	10.4	19.4	29.1	40.1	49.8	57.5	63.0	66.5	67.8
95°	0.7	2.1	7.6	15.9	25.6	36.0	45.0	51.9	57.5	60.9	61.6
97.5°	0.7	1.4	6.2	13.2	22.2	31.8	40.8	47.8	51.9	55.4	56.1
100°	0.7	1.4	4.8	11.8	19.4	28.4	36.7	42.9	47.8	50.5	51.2
102.5°	0.7	0.7	4.2	9.7	17.3	24.9	32.5	38.8	42.9	45.7	47.1
105°	0.7	0.7	3.5	8.3	15.2	22.2	29.1	35.3	38.8	41.5	42.9
107.5°	0.7	0.7	2.8	6.9	13.2	19.4	26.3	31.1	35.3	38.1	39.5
110°	0.7	0.7	2.1	6.2	11.1	17.3	22.8	27.7	31.8	34.6	36.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.7	0.7	2.1	5.5	9.7	15.2	20.1	24.9	28.4	31.1	33.2
115°	0.7	0.7	2.1	4.8	9.0	13.2	18.0	22.2	25.6	28.4	30.5
117.5°	0.7	0.7	2.1	4.2	7.6	11.8	15.9	20.1	22.8	25.6	27.7
120°	0.7	0.7	1.4	3.5	6.9	10.4	13.8	17.3	20.8	23.5	25.6
122.5°	0.7	0.7	1.4	3.5	5.5	9.0	12.5	15.2	18.7	20.8	22.8
125°	0.7	0.7	1.4	2.8	4.8	8.3	11.1	13.8	15.9	18.7	20.8
127.5°	0.7	0.7	1.4	2.8	4.2	6.9	9.7	12.5	14.5	16.6	18.0
130°	0.7	0.7	1.4	2.1	3.5	5.5	8.3	10.4	13.2	14.5	15.9
132.5°	0.7	0.7	0.7	2.1	2.8	4.2	6.2	9.0	11.1	13.2	13.8
135°	0.7	0.7	0.7	1.4	2.8	3.5	4.8	6.9	9.0	11.1	12.5
137.5°	0.7	0.7	0.7	1.4	2.1	3.5	4.2	5.5	7.6	9.0	11.1
140°	0.7	0.7	0.7	1.4	2.1	2.8	3.5	4.8	6.2	7.6	9.0
142.5°	0.7	0.7	0.7	1.4	1.4	2.1	2.8	4.2	4.8	6.2	7.6
145°	0.7	0.7	0.7	1.4	1.4	2.1	2.8	3.5	4.2	4.8	6.2
147.5°	0.7	0.7	0.7	1.4	1.4	1.4	2.1	2.8	3.5	4.2	4.8
150°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.8	3.5	4.2
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.8	3.5
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1	2.8	2.8
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1
2.5°	1328.3	1329.7	1338.0	1337.3	1335.9	1334.5	1334.5	1333.2	1334.5	1338.0	1336.6
5°	1321.4	1323.5	1329.7	1329.0	1327.6	1326.9	1326.2	1324.2	1325.5	1330.4	1329.0
7.5°	1308.9	1311.0	1316.5	1313.8	1311.7	1313.1	1309.6	1307.5	1310.3	1315.2	1314.5
10°	1295.8	1297.2	1304.1	1302.7	1299.2	1299.9	1296.5	1295.1	1298.5	1301.3	1302.0
12.5°	1286.8	1291.6	1297.9	1297.2	1296.5	1297.2	1293.7	1292.3	1294.4	1297.2	1296.5
15°	1284.7	1290.9	1297.9	1297.9	1298.5	1299.2	1295.8	1293.7	1295.8	1297.9	1297.2
17.5°	1282.6	1290.2	1296.5	1295.8	1296.5	1297.9	1292.3	1290.9	1293.7	1296.5	1295.1
20°	1275.7	1282.6	1286.8	1285.4	1285.4	1286.1	1279.2	1279.2	1283.3	1285.4	1286.1
22.5°	1256.3	1264.6	1264.6	1261.2	1261.2	1258.4	1256.3	1252.2	1257.0	1260.5	1263.2
25°	1227.3	1230.7	1226.6	1218.9	1214.8	1211.3	1201.6	1209.9	1209.9	1220.3	1223.8
27.5°	1186.4	1178.8	1167.0	1151.1	1147.7	1136.6	1130.3	1132.4	1135.9	1150.4	1161.5
30°	1119.3	1096.4	1076.4	1069.4	1054.2	1043.1	1032.1	1037.6	1043.8	1052.1	1075.0
32.5°	1030.7	1008.5	976.0	964.2	948.3	934.5	921.3	929.6	940.7	946.2	971.1
35°	928.9	902.6	872.9	852.8	836.2	828.6	811.9	823.7	835.5	839.6	861.1
37.5°	820.9	793.9	767.6	750.3	734.4	729.6	718.5	726.8	735.8	742.0	760.0
40°	718.5	693.6	673.5	661.7	650.7	646.5	642.4	645.8	652.7	657.6	671.4
42.5°	630.6	610.5	596.7	589.7	582.1	576.6	577.3	578.7	582.1	592.5	598.7
45°	553.8	542.0	533.0	531.6	526.8	526.1	525.4	528.1	530.2	536.4	541.3
47.5°	492.1	487.3	485.2	488.0	490.1	487.3	488.7	492.1	496.3	496.3	495.6
50°	443.7	445.1	447.8	454.1	458.2	459.6	461.0	465.2	465.8	467.2	465.2
52.5°	404.2	405.6	413.2	422.9	427.8	429.9	432.6	436.8	436.8	438.2	435.4
55°	364.1	366.2	373.8	383.5	387.6	390.4	393.2	395.9	398.0	400.8	398.7
57.5°	319.8	326.0	330.9	333.6	336.4	338.5	340.6	341.3	345.4	346.1	349.6
60°	272.7	274.1	279.0	278.3	276.2	281.7	279.0	283.8	288.6	294.9	295.6
62.5°	227.7	228.4	231.9	230.5	233.3	232.6	234.7	234.7	238.1	240.9	244.3
65°	192.4	193.1	195.9	195.9	195.2	197.3	199.4	200.7	200.7	202.8	205.6
67.5°	166.1	168.2	171.0	172.4	173.7	173.7	175.8	176.5	177.9	178.6	180.0
70°	148.1	150.9	153.7	155.1	155.7	157.1	157.8	157.8	159.2	159.9	161.3
72.5°	135.0	137.7	139.8	139.8	141.2	141.9	141.9	142.6	143.3	144.7	146.1
75°	123.9	126.0	127.4	126.7	126.7	126.7	127.4	127.4	128.7	130.1	131.5
77.5°	113.5	115.6	115.6	114.2	114.2	114.2	114.2	114.9	115.6	117.0	118.4
80°	105.9	105.9	105.2	105.2	103.8	103.1	103.1	103.8	103.8	105.2	107.3
82.5°	97.6	97.6	96.9	96.2	95.5	94.8	94.8	95.5	96.2	96.9	98.3
85°	90.0	90.0	88.6	88.6	87.9	87.9	87.9	87.9	88.6	89.3	90.7
87.5°	82.4	81.7	81.0	80.3	80.3	80.3	80.3	80.3	81.0	82.4	83.1
90°	74.8	74.1	73.4	73.4	72.7	72.7	73.4	73.4	74.1	74.8	75.4
92.5°	67.8	67.1	66.5	66.5	65.8	65.8	66.5	65.8	67.1	67.1	67.8
95°	61.6	60.9	60.2	60.2	60.2	60.2	60.2	60.2	60.9	60.9	61.6
97.5°	56.1	55.4	54.7	54.7	55.4	54.7	55.4	55.4	55.4	56.1	56.8
100°	51.2	50.5	50.5	51.2	50.5	50.5	51.2	51.2	51.2	51.2	51.9
102.5°	47.1	47.1	47.1	47.1	47.1	47.1	47.8	47.8	47.8	47.8	48.5
105°	42.9	43.6	43.6	43.6	44.3	44.3	44.3	45.0	45.0	45.0	45.0
107.5°	40.1	40.8	40.8	41.5	41.5	42.2	42.2	42.2	42.2	42.9	42.9
110°	37.4	38.1	38.8	39.5	39.5	40.1	40.1	40.1	40.1	40.1	40.1



TEST NUMBER: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	34.6	35.3	36.0	37.4	38.1	38.1	38.1	38.1	38.8	38.8	38.1
115°	31.8	33.2	33.9	35.3	36.0	36.0	36.7	36.7	36.7	36.7	36.0
117.5°	29.1	31.1	31.8	33.2	33.9	33.9	34.6	34.6	34.6	34.6	33.9
120°	27.0	28.4	29.8	30.5	31.1	31.8	31.8	32.5	32.5	32.5	31.8
122.5°	24.9	26.3	27.7	28.4	29.1	29.8	29.8	29.8	29.8	29.8	29.8
125°	22.2	23.5	24.9	25.6	26.3	27.0	27.0	27.7	27.7	27.7	27.0
127.5°	20.1	21.5	22.2	23.5	24.2	24.2	24.9	24.9	24.9	24.9	24.2
130°	17.3	18.7	20.1	20.8	21.5	21.5	22.2	22.2	22.2	22.2	22.2
132.5°	15.2	16.6	17.3	18.7	18.7	19.4	19.4	20.1	20.1	20.1	19.4
135°	13.8	14.5	15.2	16.6	16.6	17.3	17.3	17.3	17.3	17.3	17.3
137.5°	12.5	13.2	13.8	14.5	14.5	15.2	15.2	15.2	15.2	15.9	15.2
140°	10.4	11.8	12.5	12.5	13.2	13.2	13.2	13.8	13.8	13.8	13.2
142.5°	9.0	9.7	10.4	11.1	11.8	11.8	11.8	11.8	12.5	11.8	11.8
145°	6.9	8.3	9.0	9.7	10.4	10.4	10.4	10.4	10.4	10.4	10.4
147.5°	5.5	6.2	7.6	8.3	8.3	9.0	9.0	9.0	9.0	9.0	9.0
150°	4.8	4.8	6.2	6.9	7.6	7.6	7.6	7.6	7.6	7.6	7.6
152.5°	3.5	4.2	4.8	5.5	6.2	6.2	6.2	6.2	6.2	6.2	6.2
155°	3.5	3.5	4.2	4.2	4.8	4.8	4.8	4.8	5.5	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: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1
2.5°	1334.5	1333.9	1336.6	1333.9	1320.0	1325.5	1323.5	1331.1	1331.8	1333.9	1340.8
5°	1327.6	1327.6	1331.1	1328.3	1315.2	1320.7	1320.0	1327.6	1329.0	1330.4	1338.0
7.5°	1313.8	1314.5	1319.3	1317.2	1303.4	1311.7	1311.0	1320.0	1322.8	1325.5	1332.5
10°	1300.6	1299.9	1305.5	1303.4	1290.2	1299.9	1299.2	1308.2	1312.4	1317.2	1325.5
12.5°	1293.7	1291.6	1293.7	1291.6	1277.1	1284.7	1285.4	1295.8	1300.6	1306.9	1316.5
15°	1293.7	1290.2	1290.2	1286.1	1269.5	1274.3	1275.0	1281.9	1288.2	1294.4	1306.2
17.5°	1292.3	1288.9	1288.2	1284.7	1266.7	1266.7	1266.0	1270.9	1274.3	1280.6	1293.0
20°	1284.7	1283.3	1282.6	1280.6	1263.9	1261.2	1259.8	1259.8	1261.9	1263.9	1276.4
22.5°	1264.6	1266.0	1267.4	1268.8	1255.6	1250.8	1251.5	1250.1	1248.0	1248.0	1258.4
25°	1227.3	1234.2	1239.7	1245.9	1238.3	1234.9	1239.0	1236.9	1233.5	1230.7	1239.7
27.5°	1167.7	1182.3	1194.0	1209.3	1209.9	1207.2	1218.3	1216.9	1216.2	1212.0	1218.9
30°	1085.4	1108.2	1124.1	1146.3	1165.0	1167.7	1186.4	1189.2	1192.0	1189.9	1196.8
32.5°	985.7	1016.8	1043.8	1078.4	1096.4	1112.4	1138.7	1149.7	1160.8	1164.3	1171.9
35°	877.0	912.3	944.1	982.2	1010.6	1045.2	1077.0	1093.7	1118.6	1128.3	1139.3
37.5°	773.9	807.1	838.2	876.3	922.0	958.0	997.4	1034.8	1068.7	1082.6	1099.2
40°	682.5	709.5	739.3	772.5	814.0	861.1	904.0	955.9	996.1	1023.8	1048.0
42.5°	613.3	626.4	652.0	681.8	715.0	762.8	806.4	864.5	913.0	952.5	992.6
45°	551.7	557.9	576.6	592.5	626.4	668.7	715.0	771.8	822.3	872.9	921.3
47.5°	499.1	506.7	515.7	525.4	549.6	584.9	625.0	676.3	726.8	785.6	841.0
50°	463.8	465.8	467.2	471.4	485.9	510.1	542.7	586.3	634.7	697.7	756.6
52.5°	432.6	432.6	428.5	426.4	431.9	447.2	465.8	497.0	546.8	605.0	667.3
55°	399.4	393.2	391.8	384.9	386.2	393.2	402.2	426.4	467.2	517.1	577.3
57.5°	353.0	350.2	350.2	347.5	341.9	345.4	347.5	364.8	393.9	436.8	489.4
60°	299.7	298.3	301.8	302.5	297.6	299.7	299.0	309.4	330.2	364.8	408.4
62.5°	246.4	252.6	253.3	256.1	253.3	252.6	256.1	265.1	275.5	301.8	335.7
65°	207.0	210.4	211.1	214.6	213.2	213.2	216.0	222.9	229.1	247.1	273.4
67.5°	181.4	180.0	180.7	182.7	180.7	180.0	182.0	186.2	191.0	202.1	220.8
70°	161.3	159.9	159.9	159.9	157.1	155.1	155.7	157.1	159.2	165.4	177.2
72.5°	146.1	146.1	144.0	141.9	139.8	138.4	137.1	135.7	135.0	137.1	143.3
75°	132.2	132.9	132.2	130.1	127.4	124.6	121.8	119.1	115.6	114.2	114.9
77.5°	119.7	120.4	121.1	120.4	117.7	114.2	110.1	105.9	101.1	96.2	93.4
80°	108.7	110.1	110.8	110.1	108.0	105.2	100.4	95.5	88.6	82.4	75.4
82.5°	99.0	101.1	101.8	101.8	100.4	97.6	92.1	86.5	78.9	70.6	61.6
85°	91.4	92.8	94.1	94.1	93.4	90.7	85.1	78.9	71.3	61.6	51.9
87.5°	83.8	84.4	85.8	87.2	85.8	83.1	78.2	71.3	63.7	54.0	42.9
90°	76.1	76.8	78.2	79.6	78.9	76.1	72.0	65.8	57.5	47.1	36.0
92.5°	68.5	69.9	70.6	71.3	72.0	69.9	66.5	60.2	51.9	41.5	31.1
95°	63.0	63.0	64.4	65.1	65.8	63.7	60.9	54.7	47.1	37.4	27.0
97.5°	57.5	57.5	58.8	58.8	59.5	58.1	55.4	49.8	42.2	33.2	22.8
100°	51.9	52.6	53.3	54.0	54.0	53.3	50.5	45.0	38.1	29.8	20.1
102.5°	48.5	48.5	49.1	49.1	49.8	48.5	45.7	40.8	33.9	26.3	17.3
105°	45.0	45.0	45.7	45.7	45.0	43.6	40.8	36.7	30.5	22.8	15.2
107.5°	42.2	42.2	42.2	42.2	41.5	40.1	37.4	32.5	27.0	20.8	13.8
110°	40.1	39.5	39.5	38.8	38.1	36.0	33.2	29.1	24.2	18.0	11.8



TEST NUMBER: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	38.1	37.4	36.7	36.0	34.6	32.5	29.8	26.3	21.5	15.9	10.4
115°	36.0	35.3	34.6	33.2	31.8	29.8	27.0	23.5	18.7	13.8	9.0
117.5°	33.9	33.2	31.8	30.5	29.1	27.0	24.2	20.8	16.6	12.5	8.3
120°	31.1	30.5	29.8	28.4	27.0	24.2	21.5	18.7	14.5	11.1	6.9
122.5°	29.1	28.4	27.0	26.3	24.2	22.2	19.4	16.6	13.2	9.7	6.2
125°	26.3	25.6	24.9	23.5	22.2	19.4	17.3	14.5	11.8	8.3	4.8
127.5°	24.2	23.5	22.2	20.8	19.4	17.3	15.2	13.2	10.4	6.9	4.8
130°	21.5	20.8	20.1	18.7	17.3	15.2	13.8	11.1	9.0	6.2	4.2
132.5°	18.7	18.7	18.0	16.6	15.2	13.8	11.8	9.7	7.6	5.5	3.5
135°	17.3	16.6	15.9	14.5	13.8	11.8	10.4	8.3	6.2	4.8	2.8
137.5°	15.2	14.5	13.8	13.2	11.8	10.4	9.0	6.9	5.5	4.2	2.8
140°	13.2	12.5	12.5	11.1	10.4	9.0	7.6	6.2	4.8	3.5	2.1
142.5°	11.8	11.1	10.4	9.7	9.0	7.6	6.2	4.8	4.2	2.8	2.1
145°	10.4	9.7	9.0	8.3	7.6	6.2	5.5	4.2	3.5	2.8	2.1
147.5°	8.3	8.3	7.6	6.9	6.2	5.5	4.8	4.2	2.8	2.1	1.4
150°	6.9	6.9	6.2	5.5	5.5	4.8	4.2	3.5	2.8	2.1	1.4
152.5°	6.2	5.5	5.5	4.8	4.8	4.2	3.5	2.8	2.1	2.1	1.4
155°	4.8	4.8	4.8	4.2	4.2	3.5	2.8	2.8	2.1	1.4	1.4
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: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1
2.5°	1342.2	1333.9	1340.8	1353.2	1351.8	1350.5	1349.1	1351.8	1360.8	1356.0	1348.4
5°	1340.1	1331.8	1339.4	1351.2	1350.5	1348.4	1347.0	1349.8	1358.8	1353.9	1345.6
7.5°	1335.9	1328.3	1333.9	1345.6	1345.6	1344.2	1342.9	1345.6	1353.9	1349.8	1341.5
10°	1329.0	1323.5	1329.0	1340.1	1340.8	1338.0	1336.6	1340.1	1348.4	1346.3	1339.4
12.5°	1323.5	1317.9	1324.2	1335.2	1335.9	1333.2	1331.1	1335.2	1346.3	1347.7	1345.6
15°	1315.9	1311.0	1318.6	1330.4	1330.4	1328.3	1328.3	1333.9	1349.1	1355.3	1358.8
17.5°	1304.8	1301.3	1310.3	1322.1	1322.8	1321.4	1322.1	1333.2	1353.2	1368.5	1378.2
20°	1290.9	1289.6	1299.2	1311.7	1313.8	1314.5	1317.9	1334.5	1362.2	1383.0	1392.7
22.5°	1274.3	1275.0	1286.1	1299.2	1302.0	1304.1	1311.0	1334.5	1369.2	1391.3	1395.5
25°	1255.6	1257.7	1269.5	1285.4	1288.9	1293.0	1304.8	1335.2	1371.2	1385.8	1378.8
27.5°	1235.6	1239.7	1254.9	1271.6	1275.7	1282.6	1297.9	1331.1	1361.5	1362.2	1336.6
30°	1214.8	1219.6	1237.6	1257.0	1263.9	1270.9	1289.6	1321.4	1338.0	1315.9	1270.9
32.5°	1191.3	1198.2	1216.2	1239.7	1248.0	1257.0	1275.7	1302.7	1296.5	1248.7	1184.3
35°	1161.5	1171.2	1192.0	1219.6	1227.3	1239.0	1252.2	1258.4	1230.7	1162.9	1090.2
37.5°	1124.8	1139.3	1163.6	1195.4	1203.7	1211.3	1214.8	1197.5	1142.1	1068.7	993.3
40°	1082.6	1104.7	1131.0	1166.3	1174.6	1174.6	1162.2	1125.5	1055.6	959.4	875.6
42.5°	1031.4	1058.4	1091.6	1126.9	1135.2	1125.5	1095.7	1031.4	951.8	844.5	755.9
45°	969.1	1005.1	1042.4	1079.1	1083.3	1061.8	1008.5	926.8	828.6	728.9	644.4
47.5°	895.0	942.1	982.9	1024.4	1018.9	982.9	911.6	818.9	715.0	620.9	553.1
50°	811.9	867.3	913.0	952.5	940.7	890.8	807.1	710.2	607.1	526.8	470.7
52.5°	723.3	787.0	832.7	864.5	848.6	789.1	697.0	604.3	519.8	446.5	409.1
55°	631.3	695.7	742.7	767.6	746.9	682.5	591.8	507.4	427.8	380.0	357.9
57.5°	542.0	602.2	646.5	666.6	640.3	575.9	492.1	420.9	363.4	323.3	312.2
60°	456.2	505.3	547.5	562.8	534.4	474.8	402.9	346.1	303.9	276.2	270.6
62.5°	376.6	416.7	449.9	461.7	434.0	387.6	325.3	283.1	253.3	239.5	232.6
65°	310.8	334.3	368.2	366.2	349.6	306.6	261.0	231.2	211.8	202.8	198.7
67.5°	244.3	265.8	287.3	290.0	269.3	239.5	209.7	188.3	177.9	173.0	171.0
70°	189.0	204.9	218.0	214.6	203.5	184.8	166.1	154.4	150.2	148.1	148.1
72.5°	146.7	155.1	161.3	157.1	150.2	140.5	131.5	126.7	127.4	128.7	130.1
75°	113.5	115.6	117.0	112.8	111.4	105.2	104.5	105.2	109.4	113.5	115.6
77.5°	87.2	84.4	82.4	78.2	78.9	78.2	81.7	87.2	93.4	99.7	105.2
80°	67.1	60.9	56.1	51.9	54.0	57.5	64.4	72.7	81.0	87.9	94.8
82.5°	51.9	42.9	36.0	31.8	36.0	41.5	50.5	60.9	70.6	78.2	85.8
85°	40.1	29.8	21.5	17.3	21.5	29.8	39.5	51.2	61.6	69.9	77.5
87.5°	31.1	21.5	11.8	6.9	11.8	20.8	31.8	42.9	53.3	63.0	70.6
90°	24.9	14.5	5.5	1.4	6.2	14.5	24.9	36.0	46.4	56.8	64.4
92.5°	20.1	10.4	2.8	0.0	3.5	11.1	20.8	31.1	41.5	51.2	58.8
95°	16.6	8.3	2.1	0.0	2.8	8.3	16.6	27.0	36.7	46.4	52.6
97.5°	13.8	6.2	1.4	0.0	1.4	6.9	13.8	22.8	32.5	41.5	47.8
100°	11.8	5.5	1.4	0.0	1.4	5.5	11.8	20.1	28.4	36.7	42.9
102.5°	9.7	4.2	0.7	0.7	0.7	4.2	10.4	17.3	24.9	32.5	38.8
105°	9.0	3.5	0.7	0.7	0.7	3.5	9.0	15.2	22.2	29.1	34.6
107.5°	7.6	2.8	0.7	0.7	0.7	2.8	7.6	13.2	20.1	26.3	31.1
110°	6.2	2.8	0.7	0.7	0.7	2.8	6.2	11.8	17.3	22.8	27.7



TEST NUMBER: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	5.5	2.1	0.7	0.7	0.7	2.1	5.5	10.4	15.2	20.8	24.9
115°	4.8	2.1	0.7	0.7	0.7	2.1	4.8	9.0	13.2	18.0	22.2
117.5°	4.2	2.1	0.7	0.7	0.7	1.4	4.2	7.6	11.8	15.9	20.1
120°	3.5	1.4	0.7	0.7	0.7	1.4	3.5	6.9	10.4	13.8	17.3
122.5°	3.5	1.4	0.7	0.7	0.7	1.4	2.8	5.5	9.0	11.8	15.2
125°	2.8	1.4	0.7	0.7	0.7	0.7	2.8	4.8	7.6	10.4	13.2
127.5°	2.8	1.4	0.7	0.7	0.7	0.7	2.1	4.2	6.2	9.0	11.8
130°	2.1	1.4	0.7	0.7	0.7	0.7	1.4	3.5	5.5	7.6	9.7
132.5°	2.1	1.4	0.7	0.7	0.7	0.7	1.4	2.8	4.2	6.2	8.3
135°	2.1	0.7	0.7	0.7	0.7	0.7	0.7	2.1	3.5	4.8	6.2
137.5°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.8	3.5	5.5
140°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.1	2.8	4.2
142.5°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.1	3.5
145°	1.4	0.7	0.7	1.4	1.4	0.7	0.7	1.4	1.4	2.1	2.8
147.5°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	2.1
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1
2.5°	1347.0	1331.1	1339.4	1336.6	1339.4	1346.3	1345.6	1343.5	1344.9	1341.5	1338.0
5°	1344.2	1328.3	1336.6	1333.2	1336.6	1343.5	1342.2	1340.1	1342.2	1338.0	1334.5
7.5°	1340.8	1326.2	1335.9	1335.2	1341.5	1350.5	1351.2	1351.2	1356.0	1349.8	1347.0
10°	1340.8	1333.2	1346.3	1351.2	1367.1	1378.8	1380.2	1383.0	1391.3	1389.9	1383.0
12.5°	1355.3	1353.9	1373.3	1385.1	1399.6	1416.2	1425.2	1428.0	1433.5	1429.4	1426.6
15°	1374.0	1380.9	1402.4	1415.5	1431.5	1443.9	1446.0	1447.4	1451.5	1445.3	1440.4
17.5°	1398.9	1403.1	1420.4	1425.9	1436.3	1438.4	1435.6	1428.7	1428.7	1414.8	1410.7
20°	1410.7	1408.6	1415.5	1406.5	1402.4	1389.9	1378.2	1365.0	1364.3	1349.8	1348.4
22.5°	1400.3	1386.5	1371.9	1349.8	1340.1	1322.1	1306.2	1298.5	1293.7	1275.0	1270.2
25°	1363.6	1329.7	1308.2	1281.9	1258.4	1237.6	1222.4	1206.5	1191.3	1176.0	1169.1
27.5°	1299.9	1268.1	1233.5	1196.8	1164.3	1132.4	1106.8	1090.9	1076.4	1056.3	1045.9
30°	1221.7	1177.4	1139.3	1104.0	1050.7	1012.0	990.5	958.7	947.6	938.6	919.2
32.5°	1129.7	1076.4	1024.4	976.7	922.0	886.0	857.6	834.1	827.2	803.6	798.1
35°	1027.9	958.0	899.2	852.1	812.6	769.0	745.5	729.6	715.7	699.8	697.0
37.5°	908.2	845.2	778.7	737.2	706.0	668.7	650.7	639.6	633.4	621.6	619.5
40°	787.7	724.7	679.0	637.5	618.1	598.1	584.9	580.1	577.3	573.1	569.0
42.5°	678.3	623.0	590.4	562.8	554.4	544.8	541.3	544.1	541.3	539.9	539.2
45°	585.6	543.4	520.5	512.2	510.1	507.4	510.1	515.0	515.7	514.3	514.3
47.5°	501.1	481.1	471.4	472.8	476.2	478.3	483.1	489.4	490.8	487.3	488.7
50°	445.8	434.0	431.9	437.5	445.1	447.8	453.4	458.2	457.5	456.2	454.8
52.5°	393.9	390.4	395.9	401.5	409.8	411.2	413.2	415.3	414.6	411.9	410.5
55°	350.2	353.0	357.9	359.9	366.2	365.5	366.2	366.2	363.4	362.0	359.9
57.5°	310.8	311.5	314.3	314.9	318.4	317.0	316.3	314.9	310.8	310.1	308.0
60°	270.6	269.3	275.5	270.6	273.4	270.6	270.0	266.5	262.3	261.6	260.3
62.5°	232.6	229.8	234.0	231.9	233.3	230.5	229.1	225.0	221.5	220.8	220.1
65°	198.7	197.3	201.4	200.7	202.1	198.7	197.3	194.5	191.7	191.0	190.4
67.5°	170.3	173.7	175.8	175.8	177.2	176.5	173.0	172.4	171.7	168.9	168.9
70°	149.5	151.6	155.7	156.4	155.7	157.1	154.4	153.7	153.0	151.6	150.9
72.5°	132.9	135.7	139.8	140.5	139.8	139.8	138.4	137.7	137.7	135.7	135.7
75°	119.7	123.2	126.7	126.7	126.7	125.3	123.9	123.9	122.5	121.8	120.4
77.5°	108.7	112.8	115.6	114.9	114.2	112.8	112.8	110.8	108.7	108.7	107.3
80°	100.4	103.1	105.2	104.5	103.8	101.8	101.1	99.0	97.6	95.5	95.5
82.5°	91.4	94.8	96.2	95.5	94.1	92.1	91.4	90.0	88.6	87.9	86.5
85°	83.8	87.2	87.9	86.5	85.1	83.8	83.1	82.4	81.7	80.3	80.3
87.5°	76.1	79.6	79.6	78.9	77.5	76.8	76.1	75.4	74.8	74.1	73.4
90°	69.9	72.7	72.7	72.0	71.3	70.6	69.9	69.2	68.5	67.8	67.8
92.5°	63.7	66.5	66.5	65.8	65.1	64.4	64.4	63.7	63.0	62.3	61.6
95°	58.1	60.9	60.9	60.9	60.2	59.5	59.5	58.8	58.1	58.1	57.5
97.5°	52.6	55.4	55.4	55.4	54.7	54.0	54.0	53.3	53.3	53.3	52.6
100°	47.8	49.8	50.5	50.5	49.8	49.8	49.8	49.1	49.1	49.1	48.5
102.5°	42.9	45.0	46.4	46.4	46.4	45.7	45.7	45.7	45.7	45.7	45.0
105°	38.8	40.8	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
107.5°	35.3	37.4	38.8	39.5	40.1	40.1	40.8	40.8	40.8	40.8	40.8
110°	31.8	33.9	36.0	36.7	37.4	38.1	38.1	38.8	38.1	38.1	38.1



TEST NUMBER: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	28.4	31.1	32.5	33.9	34.6	35.3	36.0	36.0	36.0	36.0	36.0
115°	25.6	28.4	29.8	31.1	32.5	33.2	33.2	33.9	33.9	33.9	33.2
117.5°	22.8	25.6	27.0	28.4	29.1	30.5	31.1	31.1	31.1	31.1	30.5
120°	20.8	22.8	24.2	25.6	27.0	27.7	28.4	28.4	28.4	28.4	28.4
122.5°	18.0	20.1	22.2	23.5	24.2	24.9	25.6	25.6	25.6	25.6	25.6
125°	15.9	18.0	19.4	20.8	21.5	22.8	22.8	22.8	22.8	22.8	22.8
127.5°	13.8	15.9	17.3	18.7	19.4	20.1	20.8	20.8	20.8	20.8	20.8
130°	11.8	13.8	15.2	16.6	17.3	18.0	18.0	18.7	18.7	18.7	18.7
132.5°	10.4	11.8	13.2	14.5	15.2	15.9	15.9	16.6	16.6	16.6	16.6
135°	8.3	10.4	11.1	12.5	13.2	13.8	13.8	14.5	14.5	14.5	14.5
137.5°	6.9	8.3	9.7	11.1	11.8	11.8	12.5	12.5	13.2	13.2	13.2
140°	5.5	6.2	8.3	9.0	9.7	10.4	11.1	11.1	11.1	11.1	11.1
142.5°	4.2	5.5	6.2	7.6	8.3	9.0	9.7	9.7	9.7	9.7	9.7
145°	3.5	4.2	4.8	6.2	6.9	7.6	8.3	8.3	8.3	8.3	8.3
147.5°	2.8	3.5	4.2	4.8	5.5	6.2	6.9	6.9	6.9	6.9	6.9
150°	2.1	2.8	3.5	3.5	4.2	4.8	5.5	6.2	6.2	6.2	6.2
152.5°	2.1	2.1	2.8	2.8	3.5	4.2	4.8	4.8	4.8	4.8	4.8
155°	1.4	2.1	2.1	2.1	2.8	2.8	3.5	4.2	4.2	4.2	4.2
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: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1
2.5°	1340.1	1342.9	1341.5	1339.4	1338.7	1342.2	1338.7	1322.8	1329.0	1329.7	1334.5
5°	1338.0	1340.1	1338.7	1337.3	1335.2	1339.4	1335.2	1318.6	1324.9	1325.5	1330.4
7.5°	1351.8	1352.5	1352.5	1349.1	1343.5	1345.6	1340.1	1321.4	1324.9	1324.9	1328.3
10°	1386.5	1387.8	1389.9	1380.9	1374.0	1368.5	1360.8	1338.0	1337.3	1331.8	1331.8
12.5°	1431.5	1428.0	1424.5	1420.4	1414.8	1407.9	1396.8	1369.8	1360.8	1351.8	1342.9
15°	1444.6	1443.2	1442.5	1440.4	1437.0	1434.9	1426.6	1399.6	1386.5	1375.4	1359.5
17.5°	1410.0	1412.8	1421.8	1422.5	1426.6	1434.9	1433.5	1414.8	1403.1	1398.2	1378.8
20°	1347.7	1348.4	1359.5	1364.3	1382.3	1396.1	1406.5	1404.5	1401.7	1407.2	1392.7
22.5°	1272.9	1277.8	1289.6	1297.2	1314.5	1330.4	1347.0	1356.0	1370.5	1393.4	1390.6
25°	1171.2	1177.4	1194.0	1206.5	1230.7	1254.9	1277.1	1293.0	1310.3	1353.9	1368.5
27.5°	1049.4	1059.1	1080.5	1093.0	1126.9	1151.8	1183.6	1214.8	1239.0	1288.9	1318.6
30°	921.3	929.6	952.5	969.8	998.8	1032.7	1072.9	1117.2	1157.3	1207.9	1245.3
32.5°	801.6	810.6	829.2	844.5	877.0	905.4	949.7	1004.4	1041.7	1111.7	1161.5
35°	697.0	705.3	718.5	731.6	758.6	787.7	825.8	879.1	926.8	999.5	1062.5
37.5°	623.7	625.0	632.7	640.3	660.3	682.5	712.3	759.3	803.6	881.9	951.1
40°	571.1	571.1	575.2	577.3	586.3	599.4	618.1	654.8	691.5	751.0	835.5
42.5°	538.5	537.1	537.1	537.8	537.1	543.4	554.4	571.7	604.3	653.4	719.2
45°	514.3	511.5	509.5	504.6	501.8	501.8	502.5	508.8	527.4	559.3	612.6
47.5°	487.3	486.6	483.1	477.6	472.8	469.3	463.8	461.7	467.2	485.2	521.2
50°	456.2	452.7	449.2	445.1	439.5	436.1	425.7	426.4	421.5	429.9	448.5
52.5°	410.5	407.7	406.3	402.9	400.8	399.4	391.1	382.8	380.7	382.1	389.0
55°	359.9	361.3	355.8	358.6	357.9	351.6	348.2	341.9	339.9	339.2	342.6
57.5°	307.3	308.7	305.3	308.0	308.0	304.6	302.5	302.5	297.6	293.5	298.3
60°	259.6	256.8	258.9	262.3	262.3	260.3	258.9	258.9	255.4	254.0	257.5
62.5°	220.8	218.0	220.1	223.6	224.3	222.9	221.5	221.5	217.3	217.3	220.1
65°	191.0	191.7	191.0	193.8	193.8	194.5	193.1	191.7	186.9	189.0	188.3
67.5°	169.6	168.9	168.9	171.7	171.0	172.4	171.0	168.9	165.4	162.7	162.0
70°	151.6	150.9	150.9	152.3	153.0	153.0	152.3	150.9	146.1	143.3	141.2
72.5°	135.7	135.0	135.7	136.4	137.1	137.7	137.1	135.7	131.5	128.1	124.6
75°	121.1	120.4	122.5	122.5	123.2	123.2	123.9	123.2	119.7	115.6	111.4
77.5°	106.6	107.3	109.4	110.1	111.4	112.1	112.8	112.8	109.4	105.9	100.4
80°	94.8	96.2	97.6	98.3	99.7	101.8	102.4	103.1	100.4	96.9	90.7
82.5°	86.5	87.2	88.6	89.3	91.4	92.1	92.8	94.1	92.8	89.3	82.4
85°	79.6	80.3	81.7	81.7	83.1	84.4	85.1	85.8	85.1	81.7	74.8
87.5°	73.4	74.1	74.8	75.4	76.1	76.8	77.5	78.2	77.5	74.1	67.8
90°	67.8	67.8	68.5	68.5	69.2	69.9	71.3	71.3	70.6	67.8	61.6
92.5°	61.6	62.3	62.3	63.0	63.7	64.4	65.1	65.1	64.4	61.6	56.1
95°	57.5	57.5	58.1	58.1	58.8	58.8	59.5	59.5	58.8	56.1	50.5
97.5°	52.6	52.6	52.6	52.6	53.3	53.3	54.0	54.0	53.3	50.5	45.7
100°	48.5	48.5	48.5	48.5	48.5	49.1	49.1	49.1	48.5	45.7	40.8
102.5°	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	43.6	41.5	36.7
105°	42.9	42.9	42.9	42.2	42.2	42.2	41.5	41.5	39.5	37.4	33.2
107.5°	40.1	40.1	40.1	39.5	39.5	38.8	38.1	38.1	36.0	33.9	29.8
110°	38.1	38.1	38.1	37.4	36.7	36.0	35.3	34.6	32.5	29.8	26.3



TEST NUMBER: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	36.0	36.0	35.3	35.3	34.6	33.9	32.5	31.8	29.8	27.0	23.5
115°	33.2	33.2	33.2	32.5	31.8	31.1	30.5	29.1	27.0	24.2	20.8
117.5°	30.5	30.5	30.5	29.8	29.1	28.4	27.7	26.3	24.2	21.5	18.7
120°	27.7	27.7	27.7	27.0	26.3	25.6	24.9	23.5	21.5	19.4	15.9
122.5°	25.6	25.6	24.9	24.2	23.5	22.8	22.2	20.8	19.4	16.6	13.8
125°	22.8	22.8	22.2	22.2	21.5	20.8	20.1	18.7	16.6	14.5	12.5
127.5°	20.8	20.1	20.1	20.1	19.4	18.7	17.3	16.6	14.5	12.5	10.4
130°	18.0	18.0	18.0	17.3	17.3	16.6	15.2	13.8	12.5	11.1	9.0
132.5°	15.9	15.9	15.9	15.9	15.2	14.5	13.2	12.5	11.1	9.0	7.6
135°	14.5	14.5	13.8	13.8	13.2	12.5	11.8	10.4	9.0	7.6	6.2
137.5°	12.5	12.5	12.5	11.8	11.8	11.1	9.7	9.0	8.3	6.9	5.5
140°	11.1	11.1	10.4	10.4	9.7	9.7	9.0	7.6	6.9	5.5	4.8
142.5°	9.7	9.7	9.0	9.0	8.3	8.3	7.6	6.9	5.5	4.8	3.5
145°	8.3	8.3	7.6	7.6	7.6	6.9	6.2	5.5	4.8	4.2	3.5
147.5°	6.9	6.9	6.9	6.2	6.2	5.5	5.5	4.8	4.2	3.5	2.8
150°	6.2	6.2	5.5	5.5	5.5	4.8	4.2	4.2	3.5	2.8	2.1
152.5°	4.8	4.8	4.8	4.8	4.2	4.2	3.5	3.5	2.8	2.1	2.1
155°	4.2	4.2	4.2	3.5	3.5	3.5	2.8	2.8	2.1	2.1	1.4
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: P290185

CATALOG NUMBER: 4SSRK-LC-30-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1	1340.1
2.5°	1332.5	1331.8	1338.0	1337.3	1329.0	1341.5	1349.8
5°	1329.0	1328.3	1333.9	1335.2	1326.2	1339.4	1348.4
7.5°	1326.2	1325.5	1331.8	1333.9	1324.9	1336.6	1346.3
10°	1326.9	1323.5	1329.0	1330.4	1322.1	1334.5	1342.9
12.5°	1331.8	1323.5	1325.5	1325.5	1317.9	1329.0	1338.0
15°	1343.5	1326.2	1323.5	1321.4	1311.7	1322.1	1331.1
17.5°	1356.7	1333.2	1323.5	1316.5	1304.8	1313.8	1323.5
20°	1369.8	1340.8	1324.9	1313.8	1297.9	1306.2	1313.1
22.5°	1376.1	1347.7	1326.2	1309.6	1289.6	1293.7	1301.3
25°	1367.8	1344.9	1323.5	1303.4	1279.2	1279.9	1286.1
27.5°	1337.3	1331.1	1317.2	1297.2	1270.9	1267.4	1272.2
30°	1285.4	1302.7	1303.4	1288.9	1261.2	1254.2	1256.3
32.5°	1212.7	1251.5	1274.3	1271.6	1247.3	1237.6	1239.0
35°	1129.0	1177.4	1227.3	1243.9	1226.6	1218.9	1216.2
37.5°	1028.6	1093.7	1160.1	1201.0	1198.2	1193.3	1190.6
40°	917.8	996.1	1075.0	1140.0	1160.1	1160.1	1161.5
42.5°	799.5	890.8	977.4	1059.7	1106.8	1117.2	1121.3
45°	685.3	777.3	871.5	966.3	1029.3	1061.8	1073.6
47.5°	581.4	674.2	763.5	867.3	951.1	993.3	1012.0
50°	492.8	562.1	656.2	759.3	850.7	902.6	939.3
52.5°	419.5	473.5	555.8	652.0	744.1	815.4	849.3
55°	357.9	394.5	464.5	547.5	635.4	709.5	749.0
57.5°	305.9	335.0	382.8	452.0	526.1	599.4	641.7
60°	260.3	280.3	312.9	367.6	430.5	493.5	534.4
62.5°	220.8	234.0	255.4	295.6	344.7	393.9	431.9
65°	190.4	195.9	207.7	232.6	270.0	307.3	339.9
67.5°	160.6	164.0	173.0	188.3	207.0	234.0	255.4
70°	138.4	138.4	139.1	148.1	157.8	175.1	190.4
72.5°	120.4	118.4	114.2	116.3	118.4	128.1	137.7
75°	105.9	101.1	94.1	91.4	90.0	91.4	96.9
77.5°	93.4	86.5	78.2	71.3	65.8	63.7	68.5
80°	83.1	74.8	65.1	56.1	47.1	42.2	44.3
82.5°	74.8	64.4	54.0	43.6	33.2	26.3	26.3
85°	65.8	56.1	45.0	33.9	23.5	14.5	13.2
87.5°	59.5	49.1	37.4	27.0	16.6	7.6	4.2
90°	53.3	42.9	31.8	21.5	11.8	3.5	0.0
92.5°	47.8	38.1	27.7	17.3	8.3	2.1	0.0
95°	42.9	33.9	23.5	14.5	6.9	1.4	0.7
97.5°	38.1	29.8	20.8	11.8	4.8	1.4	0.7
100°	34.6	26.3	18.0	9.7	4.2	0.7	0.7
102.5°	30.5	23.5	15.2	8.3	3.5	0.7	0.7
105°	27.0	20.8	13.2	6.9	2.8	0.7	0.7
107.5°	24.2	18.0	11.8	6.2	2.8	0.7	0.7
110°	21.5	15.9	10.4	5.5	2.1	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	19.4	13.8	9.0	4.8	1.4	0.7	0.7
115°	16.6	12.5	7.6	4.2	1.4	0.7	0.7
117.5°	14.5	10.4	6.9	3.5	1.4	0.7	0.7
120°	12.5	9.0	5.5	2.8	0.7	0.7	0.7
122.5°	11.1	7.6	4.8	2.8	0.7	0.7	0.7
125°	9.7	6.9	4.2	2.1	0.7	0.7	0.7
127.5°	8.3	5.5	3.5	1.4	0.7	0.7	0.7
130°	6.9	4.8	2.8	1.4	0.7	0.7	0.7
132.5°	5.5	4.2	2.8	1.4	0.7	0.7	0.7
135°	4.8	3.5	2.1	1.4	0.7	0.7	0.7
137.5°	4.2	2.8	1.4	1.4	1.4	0.7	0.7
140°	3.5	2.1	1.4	1.4	1.4	1.4	0.7
142.5°	2.8	2.1	1.4	1.4	1.4	1.4	0.7
145°	2.1	1.4	1.4	1.4	1.4	1.4	0.7
147.5°	2.1	1.4	1.4	1.4	1.4	1.4	0.7
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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)