

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: P290184

Luminaire Tested: **4SSRK-LC-30-L830-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: P290184
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-L830-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3140.5 lumens
Efficiency: N/A
Efficacy: 153.9 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

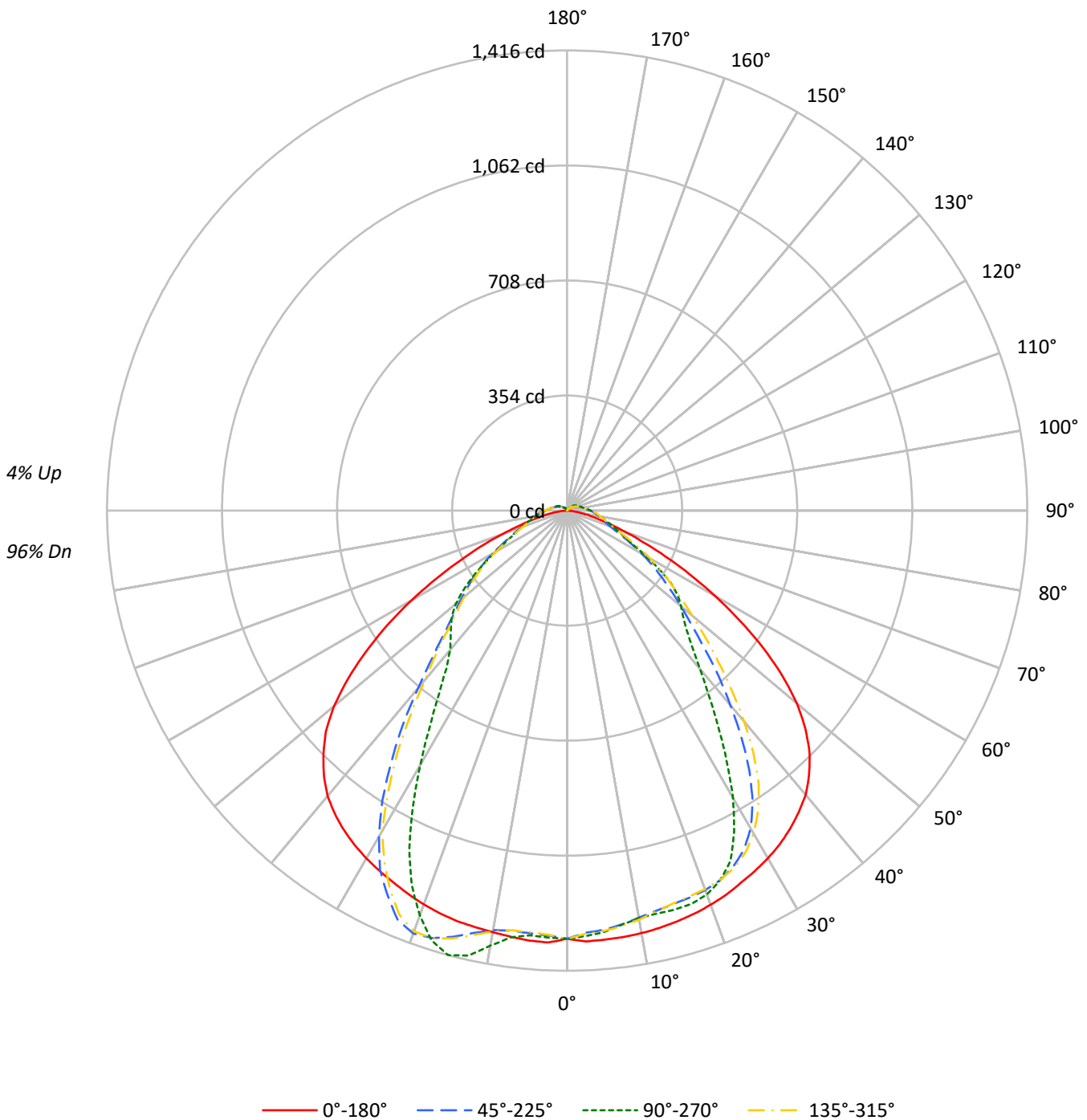
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	85082	85082	85082	85082
5°	85620	62512	85794	63002
10°	85940	48958	85764	52281
15°	86522	41044	86476	45697
20°	87389	35191	87301	37094
25°	88376	29581	88327	28584
30°	89935	22985	89986	20362
35°	91590	16796	91851	14213
40°	93010	12287	93401	10824
45°	92538	9484	93012	9236
50°	88388	7967	89623	7789
55°	78249	6528	80194	5935
60°	63284	4545	66645	4169
65°	46868	3148	50501	2985
70°	31701	2443	35733	2336
75°	20580	1961	23949	1855
80°	13086	1603	15342	1474
85°	6475	1370	8533	1251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	4.0
10°-20°	372.3	11.9
20°-30°	566.0	18.0
30°-40°	607.2	19.3
40°-50°	527.0	16.8
50°-60°	390.6	12.4
60°-70°	223.8	7.1
70°-80°	123.9	3.9
80°-90°	75.5	2.4
90°-100°	49.1	1.6
100°-110°	32.9	1.0
110°-120°	22.2	0.7
120°-130°	13.6	0.4
130°-140°	7.2	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°	1063.5	33.9
0°-40°	1670.7	53.2
0°-60°	2588.2	82.4
0°-90°	3011.4	95.9
90°-120°	104.1	3.3
90°-150°	128.2	4.1
90°-180°	129.0	4.1
0°-180°	3140.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1317	1317	1317	1317	1317	
5°	1326	1302	1328	1312	1326	126
15°	1308	1272	1308	1416	1308	370
25°	1264	1189	1264	1149	1264	584
35°	1196	810	1199	685	1196	748
45°	1055	519	1061	506	1055	808
55°	736	389	755	354	736	653
65°	334	197	360	187	334	337
75°	95	125	111	118	95	109
85°	13	86	17	79	13	17
90°	0	72	1	67	0	1
95°	1	59	0	56	1	0
105°	1	44	1	42	1	1
115°	1	36	1	33	1	1
125°	1	27	1	22	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°	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1326.9	1323.5	1322.1	1319.4	1321.4	1329.6	1324.2	1315.3	1316.0	1300.3	1308.5
5°	1325.5	1321.4	1319.4	1316.7	1318.0	1325.5	1320.1	1311.2	1310.6	1294.9	1302.4
7.5°	1323.5	1319.4	1316.0	1314.0	1314.6	1320.8	1314.0	1303.7	1301.7	1284.7	1291.5
10°	1320.1	1317.4	1312.6	1309.2	1308.5	1315.3	1304.4	1294.2	1289.5	1271.8	1278.6
12.5°	1315.3	1311.2	1306.5	1300.3	1299.7	1303.7	1294.9	1280.6	1275.8	1261.6	1269.0
15°	1308.5	1303.7	1298.3	1291.5	1288.1	1290.8	1279.9	1267.0	1266.3	1254.1	1264.3
17.5°	1301.0	1294.2	1288.1	1278.6	1273.8	1275.8	1267.0	1255.4	1256.8	1249.3	1260.9
20°	1290.8	1283.3	1273.8	1264.3	1257.5	1260.9	1254.8	1245.9	1248.0	1242.5	1252.7
22.5°	1279.3	1269.0	1257.5	1246.6	1241.1	1245.9	1241.1	1233.7	1234.3	1230.9	1237.1
25°	1264.3	1252.7	1239.1	1225.5	1222.8	1226.2	1223.5	1217.3	1214.6	1209.2	1211.9
27.5°	1250.7	1237.7	1220.7	1206.4	1201.7	1208.5	1202.4	1192.2	1184.7	1177.2	1171.7
30°	1235.0	1219.4	1200.3	1184.0	1179.9	1182.6	1173.8	1158.1	1138.4	1128.9	1113.9
32.5°	1218.0	1197.6	1173.8	1155.4	1152.7	1150.6	1134.3	1111.9	1081.2	1062.2	1039.1
35°	1195.6	1173.1	1144.5	1122.1	1118.0	1106.4	1079.9	1049.9	1010.5	977.8	938.3
37.5°	1170.4	1143.8	1113.9	1084.0	1072.4	1049.3	1011.8	980.5	920.7	881.2	833.6
40°	1141.8	1109.8	1073.1	1037.0	1018.0	980.5	937.7	891.4	833.6	780.5	740.3
42.5°	1102.3	1068.3	1024.8	984.6	952.0	902.3	851.9	786.6	733.5	688.6	647.8
45°	1055.4	1014.6	964.2	915.9	874.4	815.2	756.0	690.7	646.4	594.0	566.1
47.5°	994.8	950.6	896.8	843.1	788.6	723.3	661.4	598.8	554.6	517.1	496.7
50°	923.4	882.5	823.3	759.4	699.5	631.5	569.5	522.6	479.7	456.6	440.9
52.5°	834.9	796.8	736.3	666.8	609.0	542.3	485.8	447.7	417.1	400.1	394.7
55°	736.3	702.9	643.0	578.4	519.2	457.9	415.1	381.7	362.0	351.8	352.5
57.5°	630.8	604.9	548.4	490.6	434.8	388.5	349.8	323.2	308.2	307.6	309.6
60°	525.3	506.3	457.3	407.6	358.6	321.2	292.6	274.2	264.7	265.4	264.7
62.5°	424.6	406.9	371.5	330.7	291.9	266.7	240.9	233.4	225.2	224.5	224.5
65°	334.1	320.5	291.9	262.7	233.4	217.1	204.1	195.3	189.2	187.8	188.5
67.5°	251.1	245.6	225.9	206.2	187.8	177.6	166.7	164.7	159.9	159.9	161.3
70°	187.1	183.0	172.2	160.6	153.1	146.3	140.9	140.9	140.2	139.5	142.9
72.5°	135.4	136.1	132.7	123.8	123.2	121.8	120.4	122.5	123.2	125.2	129.3
75°	95.3	97.3	97.3	95.9	98.7	102.1	104.1	107.5	111.6	114.3	119.1
77.5°	67.4	67.4	70.8	74.8	80.3	86.4	91.9	96.6	102.1	105.5	109.6
80°	43.5	45.6	51.0	58.5	66.0	74.2	81.7	87.8	93.2	98.7	101.4
82.5°	25.9	29.3	36.1	45.6	55.1	65.3	72.8	80.3	86.4	91.9	93.9
85°	12.9	17.7	25.9	36.1	46.3	57.2	66.7	73.5	80.3	85.1	87.8
87.5°	4.1	9.5	18.4	27.9	38.8	49.7	59.9	67.4	73.5	77.6	80.3
90°	0.0	4.8	12.9	23.1	33.3	44.2	53.8	61.9	68.0	71.4	73.5
92.5°	0.0	2.7	10.2	19.1	28.6	39.5	49.0	56.5	61.9	65.3	66.7
95°	0.7	2.0	7.5	15.7	25.2	35.4	44.2	51.0	56.5	59.9	60.6
97.5°	0.7	1.4	6.1	12.9	21.8	31.3	40.1	47.0	51.0	54.4	55.1
100°	0.7	1.4	4.8	11.6	19.1	27.9	36.1	42.2	47.0	49.7	50.4
102.5°	0.7	0.7	4.1	9.5	17.0	24.5	32.0	38.1	42.2	44.9	46.3
105°	0.7	0.7	3.4	8.2	15.0	21.8	28.6	34.7	38.1	40.8	42.2
107.5°	0.7	0.7	2.7	6.8	12.9	19.1	25.9	30.6	34.7	37.4	38.8
110°	0.7	0.7	2.0	6.1	10.9	17.0	22.5	27.2	31.3	34.0	35.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.7	0.7	2.0	5.4	9.5	15.0	19.7	24.5	27.9	30.6	32.7
115°	0.7	0.7	2.0	4.8	8.8	12.9	17.7	21.8	25.2	27.9	29.9
117.5°	0.7	0.7	2.0	4.1	7.5	11.6	15.7	19.7	22.5	25.2	27.2
120°	0.7	0.7	1.4	3.4	6.8	10.2	13.6	17.0	20.4	23.1	25.2
122.5°	0.7	0.7	1.4	3.4	5.4	8.8	12.2	15.0	18.4	20.4	22.5
125°	0.7	0.7	1.4	2.7	4.8	8.2	10.9	13.6	15.7	18.4	20.4
127.5°	0.7	0.7	1.4	2.7	4.1	6.8	9.5	12.2	14.3	16.3	17.7
130°	0.7	0.7	1.4	2.0	3.4	5.4	8.2	10.2	12.9	14.3	15.7
132.5°	0.7	0.7	0.7	2.0	2.7	4.1	6.1	8.8	10.9	12.9	13.6
135°	0.7	0.7	0.7	1.4	2.7	3.4	4.8	6.8	8.8	10.9	12.2
137.5°	0.7	0.7	0.7	1.4	2.0	3.4	4.1	5.4	7.5	8.8	10.9
140°	0.7	0.7	0.7	1.4	2.0	2.7	3.4	4.8	6.1	7.5	8.8
142.5°	0.7	0.7	0.7	1.4	1.4	2.0	2.7	4.1	4.8	6.1	7.5
145°	0.7	0.7	0.7	1.4	1.4	2.0	2.7	3.4	4.1	4.8	6.1
147.5°	0.7	0.7	0.7	1.4	1.4	1.4	2.0	2.7	3.4	4.1	4.8
150°	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.7	3.4	4.1
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.7	3.4
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.7	2.7
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°	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1305.8	1307.1	1315.3	1314.6	1313.3	1311.9	1311.9	1310.6	1311.9	1315.3	1314.0
5°	1299.0	1301.0	1307.1	1306.5	1305.1	1304.4	1303.7	1301.7	1303.1	1307.8	1306.5
7.5°	1286.7	1288.8	1294.2	1291.5	1289.5	1290.8	1287.4	1285.4	1288.1	1292.9	1292.2
10°	1273.8	1275.2	1282.0	1280.6	1277.2	1277.9	1274.5	1273.1	1276.5	1279.3	1279.9
12.5°	1265.0	1269.7	1275.8	1275.2	1274.5	1275.2	1271.8	1270.4	1272.4	1275.2	1274.5
15°	1262.9	1269.0	1275.8	1275.8	1276.5	1277.2	1273.8	1271.8	1273.8	1275.8	1275.2
17.5°	1260.9	1268.4	1274.5	1273.8	1274.5	1275.8	1270.4	1269.0	1271.8	1274.5	1273.1
20°	1254.1	1260.9	1265.0	1263.6	1263.6	1264.3	1257.5	1257.5	1261.6	1263.6	1264.3
22.5°	1235.0	1243.2	1243.2	1239.8	1239.8	1237.1	1235.0	1230.9	1235.7	1239.1	1241.8
25°	1206.4	1209.8	1205.8	1198.3	1194.2	1190.8	1181.3	1189.4	1189.4	1199.6	1203.0
27.5°	1166.3	1158.8	1147.2	1131.6	1128.2	1117.3	1111.2	1113.2	1116.6	1130.9	1141.8
30°	1100.3	1077.8	1058.1	1051.3	1036.3	1025.4	1014.6	1020.0	1026.1	1034.3	1056.7
32.5°	1013.2	991.4	959.4	947.9	932.2	918.6	905.7	913.8	924.7	930.2	954.7
35°	913.2	887.3	858.1	838.3	822.0	814.5	798.2	809.7	821.3	825.4	846.5
37.5°	807.0	780.5	754.6	737.6	722.0	717.2	706.3	714.5	723.3	729.4	747.1
40°	706.3	681.8	662.1	650.5	639.6	635.5	631.5	634.9	641.7	646.4	660.0
42.5°	619.9	600.2	586.6	579.7	572.3	566.8	567.5	568.9	572.3	582.5	588.6
45°	544.4	532.8	523.9	522.6	517.8	517.1	516.5	519.2	521.2	527.4	532.1
47.5°	483.8	479.0	477.0	479.7	481.8	479.0	480.4	483.8	487.9	487.9	487.2
50°	436.2	437.5	440.3	446.4	450.5	451.8	453.2	457.3	457.9	459.3	457.3
52.5°	397.4	398.7	406.2	415.8	420.5	422.6	425.3	429.4	429.4	430.7	428.0
55°	357.9	360.0	367.4	377.0	381.1	383.8	386.5	389.2	391.3	394.0	391.9
57.5°	314.4	320.5	325.3	328.0	330.7	332.7	334.8	335.5	339.5	340.2	343.6
60°	268.1	269.5	274.2	273.5	271.5	276.9	274.2	279.0	283.7	289.9	290.6
62.5°	223.9	224.5	228.0	226.6	229.3	228.6	230.7	230.7	234.1	236.8	240.2
65°	189.2	189.8	192.6	192.6	191.9	193.9	196.0	197.3	197.3	199.4	202.1
67.5°	163.3	165.4	168.1	169.4	170.8	170.8	172.8	173.5	174.9	175.6	176.9
70°	145.6	148.3	151.1	152.4	153.1	154.5	155.1	155.1	156.5	157.2	158.5
72.5°	132.7	135.4	137.5	137.5	138.8	139.5	139.5	140.2	140.9	142.2	143.6
75°	121.8	123.8	125.2	124.5	124.5	124.5	125.2	125.2	126.6	127.9	129.3
77.5°	111.6	113.6	113.6	112.3	112.3	112.3	112.3	113.0	113.6	115.0	116.4
80°	104.1	104.1	103.4	103.4	102.1	101.4	101.4	102.1	102.1	103.4	105.5
82.5°	95.9	95.9	95.3	94.6	93.9	93.2	93.2	93.9	94.6	95.3	96.6
85°	88.5	88.5	87.1	87.1	86.4	86.4	86.4	86.4	87.1	87.8	89.1
87.5°	81.0	80.3	79.6	78.9	78.9	78.9	78.9	78.9	79.6	81.0	81.7
90°	73.5	72.8	72.1	72.1	71.4	71.4	72.1	72.1	72.8	73.5	74.2
92.5°	66.7	66.0	65.3	65.3	64.6	64.6	65.3	64.6	66.0	66.0	66.7
95°	60.6	59.9	59.2	59.2	59.2	59.2	59.2	59.2	59.9	59.9	60.6
97.5°	55.1	54.4	53.8	53.8	54.4	53.8	54.4	54.4	54.4	55.1	55.8
100°	50.4	49.7	49.7	50.4	49.7	49.7	50.4	50.4	50.4	50.4	51.0
102.5°	46.3	46.3	46.3	46.3	46.3	46.3	47.0	47.0	47.0	47.0	47.6
105°	42.2	42.9	42.9	42.9	43.5	43.5	43.5	44.2	44.2	44.2	44.2
107.5°	39.5	40.1	40.1	40.8	40.8	41.5	41.5	41.5	41.5	42.2	42.2
110°	36.7	37.4	38.1	38.8	38.8	39.5	39.5	39.5	39.5	39.5	39.5



TEST NUMBER: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	34.0	34.7	35.4	36.7	37.4	37.4	37.4	37.4	38.1	38.1	37.4
115°	31.3	32.7	33.3	34.7	35.4	35.4	36.1	36.1	36.1	36.1	35.4
117.5°	28.6	30.6	31.3	32.7	33.3	33.3	34.0	34.0	34.0	34.0	33.3
120°	26.5	27.9	29.3	29.9	30.6	31.3	31.3	32.0	32.0	32.0	31.3
122.5°	24.5	25.9	27.2	27.9	28.6	29.3	29.3	29.3	29.3	29.3	29.3
125°	21.8	23.1	24.5	25.2	25.9	26.5	26.5	27.2	27.2	27.2	26.5
127.5°	19.7	21.1	21.8	23.1	23.8	23.8	24.5	24.5	24.5	24.5	23.8
130°	17.0	18.4	19.7	20.4	21.1	21.1	21.8	21.8	21.8	21.8	21.8
132.5°	15.0	16.3	17.0	18.4	18.4	19.1	19.1	19.7	19.7	19.7	19.1
135°	13.6	14.3	15.0	16.3	16.3	17.0	17.0	17.0	17.0	17.0	17.0
137.5°	12.2	12.9	13.6	14.3	14.3	15.0	15.0	15.0	15.0	15.7	15.0
140°	10.2	11.6	12.2	12.2	12.9	12.9	12.9	13.6	13.6	13.6	12.9
142.5°	8.8	9.5	10.2	10.9	11.6	11.6	11.6	11.6	12.2	11.6	11.6
145°	6.8	8.2	8.8	9.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2
147.5°	5.4	6.1	7.5	8.2	8.2	8.8	8.8	8.8	8.8	8.8	8.8
150°	4.8	4.8	6.1	6.8	7.5	7.5	7.5	7.5	7.5	7.5	7.5
152.5°	3.4	4.1	4.8	5.4	6.1	6.1	6.1	6.1	6.1	6.1	6.1
155°	3.4	3.4	4.1	4.1	4.8	4.8	4.8	4.8	5.4	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: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1311.9	1311.2	1314.0	1311.2	1297.6	1303.1	1301.0	1308.5	1309.2	1311.2	1318.0
5°	1305.1	1305.1	1308.5	1305.8	1292.9	1298.3	1297.6	1305.1	1306.5	1307.8	1315.3
7.5°	1291.5	1292.2	1296.9	1294.9	1281.3	1289.5	1288.8	1297.6	1300.3	1303.1	1309.9
10°	1278.6	1277.9	1283.3	1281.3	1268.4	1277.9	1277.2	1286.1	1290.1	1294.9	1303.1
12.5°	1271.8	1269.7	1271.8	1269.7	1255.4	1262.9	1263.6	1273.8	1278.6	1284.7	1294.2
15°	1271.8	1268.4	1268.4	1264.3	1248.0	1252.7	1253.4	1260.2	1266.3	1272.4	1284.0
17.5°	1270.4	1267.0	1266.3	1262.9	1245.2	1245.2	1244.5	1249.3	1252.7	1258.8	1271.1
20°	1262.9	1261.6	1260.9	1258.8	1242.5	1239.8	1238.4	1238.4	1240.5	1242.5	1254.8
22.5°	1243.2	1244.5	1245.9	1247.3	1234.3	1229.6	1230.3	1228.9	1226.9	1226.9	1237.1
25°	1206.4	1213.2	1218.7	1224.8	1217.3	1213.9	1218.0	1216.0	1212.6	1209.8	1218.7
27.5°	1147.9	1162.2	1173.8	1188.8	1189.4	1186.7	1197.6	1196.2	1195.6	1191.5	1198.3
30°	1067.0	1089.4	1105.1	1126.8	1145.2	1147.9	1166.3	1169.0	1171.7	1169.7	1176.5
32.5°	969.0	999.6	1026.1	1060.1	1077.8	1093.5	1119.3	1130.2	1141.1	1144.5	1152.0
35°	862.1	896.8	928.1	965.6	993.5	1027.5	1058.8	1075.1	1099.6	1109.1	1120.0
37.5°	760.7	793.4	824.0	861.5	906.4	941.7	980.5	1017.3	1050.6	1064.2	1080.6
40°	670.9	697.5	726.7	759.4	800.2	846.5	888.7	939.7	979.2	1006.4	1030.2
42.5°	602.9	615.8	641.0	670.2	702.9	749.9	792.7	849.9	897.5	936.3	975.8
45°	542.3	548.4	566.8	582.5	615.8	657.3	702.9	758.7	808.4	858.1	905.7
47.5°	490.6	498.1	506.9	516.5	540.3	575.0	614.4	664.8	714.5	772.3	826.8
50°	455.9	457.9	459.3	463.4	477.7	501.5	533.5	576.3	624.0	685.9	743.7
52.5°	425.3	425.3	421.2	419.2	424.6	439.6	457.9	488.6	537.6	594.7	656.0
55°	392.6	386.5	385.1	378.3	379.7	386.5	395.3	419.2	459.3	508.3	567.5
57.5°	347.0	344.3	344.3	341.6	336.1	339.5	341.6	358.6	387.2	429.4	481.1
60°	294.6	293.3	296.7	297.4	292.6	294.6	294.0	304.2	324.6	358.6	401.5
62.5°	242.2	248.4	249.0	251.8	249.0	248.4	251.8	260.6	270.8	296.7	330.0
65°	203.5	206.9	207.5	210.9	209.6	209.6	212.3	219.1	225.2	242.9	268.8
67.5°	178.3	176.9	177.6	179.6	177.6	176.9	179.0	183.0	187.8	198.7	217.1
70°	158.5	157.2	157.2	157.2	154.5	152.4	153.1	154.5	156.5	162.6	174.2
72.5°	143.6	143.6	141.5	139.5	137.5	136.1	134.7	133.4	132.7	134.7	140.9
75°	130.0	130.6	130.0	127.9	125.2	122.5	119.8	117.0	113.6	112.3	113.0
77.5°	117.7	118.4	119.1	118.4	115.7	112.3	108.2	104.1	99.3	94.6	91.9
80°	106.8	108.2	108.9	108.2	106.2	103.4	98.7	93.9	87.1	81.0	74.2
82.5°	97.3	99.3	100.0	100.0	98.7	95.9	90.5	85.1	77.6	69.4	60.6
85°	89.8	91.2	92.5	92.5	91.9	89.1	83.7	77.6	70.1	60.6	51.0
87.5°	82.3	83.0	84.4	85.7	84.4	81.7	76.9	70.1	62.6	53.1	42.2
90°	74.8	75.5	76.9	78.3	77.6	74.8	70.8	64.6	56.5	46.3	35.4
92.5°	67.4	68.7	69.4	70.1	70.8	68.7	65.3	59.2	51.0	40.8	30.6
95°	61.9	61.9	63.3	64.0	64.6	62.6	59.9	53.8	46.3	36.7	26.5
97.5°	56.5	56.5	57.8	57.8	58.5	57.2	54.4	49.0	41.5	32.7	22.5
100°	51.0	51.7	52.4	53.1	53.1	52.4	49.7	44.2	37.4	29.3	19.7
102.5°	47.6	47.6	48.3	48.3	49.0	47.6	44.9	40.1	33.3	25.9	17.0
105°	44.2	44.2	44.9	44.9	44.2	42.9	40.1	36.1	29.9	22.5	15.0
107.5°	41.5	41.5	41.5	41.5	40.8	39.5	36.7	32.0	26.5	20.4	13.6
110°	39.5	38.8	38.8	38.1	37.4	35.4	32.7	28.6	23.8	17.7	11.6



TEST NUMBER: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	37.4	36.7	36.1	35.4	34.0	32.0	29.3	25.9	21.1	15.7	10.2
115°	35.4	34.7	34.0	32.7	31.3	29.3	26.5	23.1	18.4	13.6	8.8
117.5°	33.3	32.7	31.3	29.9	28.6	26.5	23.8	20.4	16.3	12.2	8.2
120°	30.6	29.9	29.3	27.9	26.5	23.8	21.1	18.4	14.3	10.9	6.8
122.5°	28.6	27.9	26.5	25.9	23.8	21.8	19.1	16.3	12.9	9.5	6.1
125°	25.9	25.2	24.5	23.1	21.8	19.1	17.0	14.3	11.6	8.2	4.8
127.5°	23.8	23.1	21.8	20.4	19.1	17.0	15.0	12.9	10.2	6.8	4.8
130°	21.1	20.4	19.7	18.4	17.0	15.0	13.6	10.9	8.8	6.1	4.1
132.5°	18.4	18.4	17.7	16.3	15.0	13.6	11.6	9.5	7.5	5.4	3.4
135°	17.0	16.3	15.7	14.3	13.6	11.6	10.2	8.2	6.1	4.8	2.7
137.5°	15.0	14.3	13.6	12.9	11.6	10.2	8.8	6.8	5.4	4.1	2.7
140°	12.9	12.2	12.2	10.9	10.2	8.8	7.5	6.1	4.8	3.4	2.0
142.5°	11.6	10.9	10.2	9.5	8.8	7.5	6.1	4.8	4.1	2.7	2.0
145°	10.2	9.5	8.8	8.2	7.5	6.1	5.4	4.1	3.4	2.7	2.0
147.5°	8.2	8.2	7.5	6.8	6.1	5.4	4.8	4.1	2.7	2.0	1.4
150°	6.8	6.8	6.1	5.4	5.4	4.8	4.1	3.4	2.7	2.0	1.4
152.5°	6.1	5.4	5.4	4.8	4.8	4.1	3.4	2.7	2.0	2.0	1.4
155°	4.8	4.8	4.8	4.1	4.1	3.4	2.7	2.7	2.0	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: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1319.4	1311.2	1318.0	1330.3	1328.9	1327.6	1326.2	1328.9	1337.8	1333.0	1325.5
5°	1317.4	1309.2	1316.7	1328.2	1327.6	1325.5	1324.2	1326.9	1335.7	1331.0	1322.8
7.5°	1313.3	1305.8	1311.2	1322.8	1322.8	1321.4	1320.1	1322.8	1331.0	1326.9	1318.7
10°	1306.5	1301.0	1306.5	1317.4	1318.0	1315.3	1314.0	1317.4	1325.5	1323.5	1316.7
12.5°	1301.0	1295.6	1301.7	1312.6	1313.3	1310.6	1308.5	1312.6	1323.5	1324.8	1322.8
15°	1293.5	1288.8	1296.3	1307.8	1307.8	1305.8	1305.8	1311.2	1326.2	1332.3	1335.7
17.5°	1282.7	1279.3	1288.1	1299.7	1300.3	1299.0	1299.7	1310.6	1330.3	1345.3	1354.8
20°	1269.0	1267.7	1277.2	1289.5	1291.5	1292.2	1295.6	1311.9	1339.1	1359.5	1369.1
22.5°	1252.7	1253.4	1264.3	1277.2	1279.9	1282.0	1288.8	1311.9	1345.9	1367.7	1371.8
25°	1234.3	1236.4	1248.0	1263.6	1267.0	1271.1	1282.7	1312.6	1348.0	1362.3	1355.5
27.5°	1214.6	1218.7	1233.7	1250.0	1254.1	1260.9	1275.8	1308.5	1338.5	1339.1	1314.0
30°	1194.2	1199.0	1216.6	1235.7	1242.5	1249.3	1267.7	1299.0	1315.3	1293.5	1249.3
32.5°	1171.1	1177.9	1195.6	1218.7	1226.9	1235.7	1254.1	1280.6	1274.5	1227.5	1164.3
35°	1141.8	1151.3	1171.7	1199.0	1206.4	1218.0	1230.9	1237.1	1209.8	1143.2	1071.7
37.5°	1105.7	1120.0	1143.8	1175.1	1183.3	1190.8	1194.2	1177.2	1122.7	1050.6	976.4
40°	1064.2	1086.0	1111.9	1146.6	1154.7	1154.7	1142.5	1106.4	1037.7	943.1	860.8
42.5°	1013.9	1040.4	1073.1	1107.8	1115.9	1106.4	1077.2	1013.9	935.6	830.2	743.1
45°	952.6	988.0	1024.8	1060.8	1064.9	1043.8	991.4	911.1	814.5	716.5	633.5
47.5°	879.8	926.1	966.2	1007.1	1001.6	966.2	896.2	805.0	702.9	610.4	543.7
50°	798.2	852.6	897.5	936.3	924.7	875.7	793.4	698.1	596.8	517.8	462.7
52.5°	711.1	773.7	818.6	849.9	834.2	775.7	685.2	594.0	511.0	438.9	402.1
55°	620.6	683.9	730.1	754.6	734.2	670.9	581.8	498.8	420.5	373.6	351.8
57.5°	532.8	592.0	635.5	655.3	629.4	566.1	483.8	413.7	357.2	317.8	306.9
60°	448.4	496.7	538.2	553.2	525.3	466.8	396.0	340.2	298.7	271.5	266.1
62.5°	370.2	409.6	442.3	453.9	426.6	381.1	319.8	278.3	249.0	235.4	228.6
65°	305.5	328.7	362.0	360.0	343.6	301.4	256.5	227.3	208.2	199.4	195.3
67.5°	240.2	261.3	282.4	285.1	264.7	235.4	206.2	185.1	174.9	170.1	168.1
70°	185.8	201.4	214.3	210.9	200.1	181.7	163.3	151.7	147.7	145.6	145.6
72.5°	144.3	152.4	158.5	154.5	147.7	138.1	129.3	124.5	125.2	126.6	127.9
75°	111.6	113.6	115.0	110.9	109.6	103.4	102.7	103.4	107.5	111.6	113.6
77.5°	85.7	83.0	81.0	76.9	77.6	76.9	80.3	85.7	91.9	98.0	103.4
80°	66.0	59.9	55.1	51.0	53.1	56.5	63.3	71.4	79.6	86.4	93.2
82.5°	51.0	42.2	35.4	31.3	35.4	40.8	49.7	59.9	69.4	76.9	84.4
85°	39.5	29.3	21.1	17.0	21.1	29.3	38.8	50.4	60.6	68.7	76.2
87.5°	30.6	21.1	11.6	6.8	11.6	20.4	31.3	42.2	52.4	61.9	69.4
90°	24.5	14.3	5.4	1.4	6.1	14.3	24.5	35.4	45.6	55.8	63.3
92.5°	19.7	10.2	2.7	0.0	3.4	10.9	20.4	30.6	40.8	50.4	57.8
95°	16.3	8.2	2.0	0.0	2.7	8.2	16.3	26.5	36.1	45.6	51.7
97.5°	13.6	6.1	1.4	0.0	1.4	6.8	13.6	22.5	32.0	40.8	47.0
100°	11.6	5.4	1.4	0.0	1.4	5.4	11.6	19.7	27.9	36.1	42.2
102.5°	9.5	4.1	0.7	0.7	0.7	4.1	10.2	17.0	24.5	32.0	38.1
105°	8.8	3.4	0.7	0.7	0.7	3.4	8.8	15.0	21.8	28.6	34.0
107.5°	7.5	2.7	0.7	0.7	0.7	2.7	7.5	12.9	19.7	25.9	30.6
110°	6.1	2.7	0.7	0.7	0.7	2.7	6.1	11.6	17.0	22.5	27.2



TEST NUMBER: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	5.4	2.0	0.7	0.7	0.7	2.0	5.4	10.2	15.0	20.4	24.5
115°	4.8	2.0	0.7	0.7	0.7	2.0	4.8	8.8	12.9	17.7	21.8
117.5°	4.1	2.0	0.7	0.7	0.7	1.4	4.1	7.5	11.6	15.7	19.7
120°	3.4	1.4	0.7	0.7	0.7	1.4	3.4	6.8	10.2	13.6	17.0
122.5°	3.4	1.4	0.7	0.7	0.7	1.4	2.7	5.4	8.8	11.6	15.0
125°	2.7	1.4	0.7	0.7	0.7	0.7	2.7	4.8	7.5	10.2	12.9
127.5°	2.7	1.4	0.7	0.7	0.7	0.7	2.0	4.1	6.1	8.8	11.6
130°	2.0	1.4	0.7	0.7	0.7	0.7	1.4	3.4	5.4	7.5	9.5
132.5°	2.0	1.4	0.7	0.7	0.7	0.7	1.4	2.7	4.1	6.1	8.2
135°	2.0	0.7	0.7	0.7	0.7	0.7	0.7	2.0	3.4	4.8	6.1
137.5°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.7	3.4	5.4
140°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.0	2.7	4.1
142.5°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.0	3.4
145°	1.4	0.7	0.7	1.4	1.4	0.7	0.7	1.4	1.4	2.0	2.7
147.5°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	2.0
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0
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: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1324.2	1308.5	1316.7	1314.0	1316.7	1323.5	1322.8	1320.8	1322.1	1318.7	1315.3
5°	1321.4	1305.8	1314.0	1310.6	1314.0	1320.8	1319.4	1317.4	1319.4	1315.3	1311.9
7.5°	1318.0	1303.7	1313.3	1312.6	1318.7	1327.6	1328.2	1328.2	1333.0	1326.9	1324.2
10°	1318.0	1310.6	1323.5	1328.2	1343.9	1355.5	1356.8	1359.5	1367.7	1366.3	1359.5
12.5°	1332.3	1331.0	1350.0	1361.6	1375.9	1392.2	1401.1	1403.8	1409.2	1405.1	1402.4
15°	1350.7	1357.5	1378.6	1391.5	1407.2	1419.4	1421.5	1422.8	1426.9	1420.8	1416.0
17.5°	1375.2	1379.3	1396.3	1401.7	1411.9	1414.0	1411.3	1404.5	1404.5	1390.8	1386.8
20°	1386.8	1384.7	1391.5	1382.7	1378.6	1366.3	1354.8	1341.9	1341.2	1326.9	1325.5
22.5°	1376.6	1362.9	1348.7	1326.9	1317.4	1299.7	1284.0	1276.5	1271.8	1253.4	1248.6
25°	1340.5	1307.1	1286.1	1260.2	1237.1	1216.6	1201.7	1186.0	1171.1	1156.1	1149.3
27.5°	1277.9	1246.6	1212.6	1176.5	1144.5	1113.2	1088.0	1072.4	1058.1	1038.4	1028.2
30°	1201.0	1157.5	1120.0	1085.3	1032.9	994.8	973.7	942.4	931.5	922.7	903.6
32.5°	1110.5	1058.1	1007.1	960.1	906.4	871.0	843.1	819.9	813.1	790.0	784.6
35°	1010.5	941.7	883.9	837.6	798.9	756.0	732.8	717.2	703.6	687.9	685.2
37.5°	892.8	830.8	765.5	724.7	694.1	657.3	639.6	628.7	622.6	611.0	609.0
40°	774.4	712.4	667.5	626.7	607.6	587.9	575.0	570.2	567.5	563.4	559.3
42.5°	666.8	612.4	580.4	553.2	545.0	535.5	532.1	534.8	532.1	530.8	530.1
45°	575.7	534.2	511.7	503.5	501.5	498.8	501.5	506.3	506.9	505.6	505.6
47.5°	492.6	472.9	463.4	464.7	468.2	470.2	475.0	481.1	482.4	479.0	480.4
50°	438.2	426.6	424.6	430.0	437.5	440.3	445.7	450.5	449.8	448.4	447.1
52.5°	387.2	383.8	389.2	394.7	402.8	404.2	406.2	408.3	407.6	404.9	403.5
55°	344.3	347.0	351.8	353.8	360.0	359.3	360.0	360.0	357.2	355.9	353.8
57.5°	305.5	306.2	308.9	309.6	313.0	311.6	311.0	309.6	305.5	304.8	302.8
60°	266.1	264.7	270.8	266.1	268.8	266.1	265.4	262.0	257.9	257.2	255.9
62.5°	228.6	225.9	230.0	228.0	229.3	226.6	225.2	221.1	217.7	217.1	216.4
65°	195.3	193.9	198.0	197.3	198.7	195.3	193.9	191.2	188.5	187.8	187.1
67.5°	167.4	170.8	172.8	172.8	174.2	173.5	170.1	169.4	168.8	166.0	166.0
70°	147.0	149.0	153.1	153.8	153.1	154.5	151.7	151.1	150.4	149.0	148.3
72.5°	130.6	133.4	137.5	138.1	137.5	137.5	136.1	135.4	135.4	133.4	133.4
75°	117.7	121.1	124.5	124.5	124.5	123.2	121.8	121.8	120.4	119.8	118.4
77.5°	106.8	110.9	113.6	113.0	112.3	110.9	110.9	108.9	106.8	106.8	105.5
80°	98.7	101.4	103.4	102.7	102.1	100.0	99.3	97.3	95.9	93.9	93.9
82.5°	89.8	93.2	94.6	93.9	92.5	90.5	89.8	88.5	87.1	86.4	85.1
85°	82.3	85.7	86.4	85.1	83.7	82.3	81.7	81.0	80.3	78.9	78.9
87.5°	74.8	78.3	78.3	77.6	76.2	75.5	74.8	74.2	73.5	72.8	72.1
90°	68.7	71.4	71.4	70.8	70.1	69.4	68.7	68.0	67.4	66.7	66.7
92.5°	62.6	65.3	65.3	64.6	64.0	63.3	63.3	62.6	61.9	61.2	60.6
95°	57.2	59.9	59.9	59.9	59.2	58.5	58.5	57.8	57.2	57.2	56.5
97.5°	51.7	54.4	54.4	54.4	53.8	53.1	53.1	52.4	52.4	52.4	51.7
100°	47.0	49.0	49.7	49.7	49.0	49.0	49.0	48.3	48.3	48.3	47.6
102.5°	42.2	44.2	45.6	45.6	45.6	44.9	44.9	44.9	44.9	44.9	44.2
105°	38.1	40.1	41.5	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
107.5°	34.7	36.7	38.1	38.8	39.5	39.5	40.1	40.1	40.1	40.1	40.1
110°	31.3	33.3	35.4	36.1	36.7	37.4	37.4	38.1	37.4	37.4	37.4



TEST NUMBER: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	27.9	30.6	32.0	33.3	34.0	34.7	35.4	35.4	35.4	35.4	35.4
115°	25.2	27.9	29.3	30.6	32.0	32.7	32.7	33.3	33.3	33.3	32.7
117.5°	22.5	25.2	26.5	27.9	28.6	29.9	30.6	30.6	30.6	30.6	29.9
120°	20.4	22.5	23.8	25.2	26.5	27.2	27.9	27.9	27.9	27.9	27.9
122.5°	17.7	19.7	21.8	23.1	23.8	24.5	25.2	25.2	25.2	25.2	25.2
125°	15.7	17.7	19.1	20.4	21.1	22.5	22.5	22.5	22.5	22.5	22.5
127.5°	13.6	15.7	17.0	18.4	19.1	19.7	20.4	20.4	20.4	20.4	20.4
130°	11.6	13.6	15.0	16.3	17.0	17.7	17.7	18.4	18.4	18.4	18.4
132.5°	10.2	11.6	12.9	14.3	15.0	15.7	15.7	16.3	16.3	16.3	16.3
135°	8.2	10.2	10.9	12.2	12.9	13.6	13.6	14.3	14.3	14.3	14.3
137.5°	6.8	8.2	9.5	10.9	11.6	11.6	12.2	12.2	12.9	12.9	12.9
140°	5.4	6.1	8.2	8.8	9.5	10.2	10.9	10.9	10.9	10.9	10.9
142.5°	4.1	5.4	6.1	7.5	8.2	8.8	9.5	9.5	9.5	9.5	9.5
145°	3.4	4.1	4.8	6.1	6.8	7.5	8.2	8.2	8.2	8.2	8.2
147.5°	2.7	3.4	4.1	4.8	5.4	6.1	6.8	6.8	6.8	6.8	6.8
150°	2.0	2.7	3.4	3.4	4.1	4.8	5.4	6.1	6.1	6.1	6.1
152.5°	2.0	2.0	2.7	2.7	3.4	4.1	4.8	4.8	4.8	4.8	4.8
155°	1.4	2.0	2.0	2.0	2.7	2.7	3.4	4.1	4.1	4.1	4.1
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: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1317.4	1320.1	1318.7	1316.7	1316.0	1319.4	1316.0	1300.3	1306.5	1307.1	1311.9
5°	1315.3	1317.4	1316.0	1314.6	1312.6	1316.7	1312.6	1296.3	1302.4	1303.1	1307.8
7.5°	1328.9	1329.6	1329.6	1326.2	1320.8	1322.8	1317.4	1299.0	1302.4	1302.4	1305.8
10°	1362.9	1364.3	1366.3	1357.5	1350.7	1345.3	1337.8	1315.3	1314.6	1309.2	1309.2
12.5°	1407.2	1403.8	1400.4	1396.3	1390.8	1384.0	1373.2	1346.6	1337.8	1328.9	1320.1
15°	1420.1	1418.7	1418.1	1416.0	1412.6	1410.6	1402.4	1375.9	1362.9	1352.1	1336.4
17.5°	1386.1	1388.8	1397.7	1398.3	1402.4	1410.6	1409.2	1390.8	1379.3	1374.5	1355.5
20°	1324.8	1325.5	1336.4	1341.2	1358.9	1372.5	1382.7	1380.6	1377.9	1383.4	1369.1
22.5°	1251.4	1256.1	1267.7	1275.2	1292.2	1307.8	1324.2	1333.0	1347.3	1369.8	1367.0
25°	1151.3	1157.5	1173.8	1186.0	1209.8	1233.7	1255.4	1271.1	1288.1	1331.0	1345.3
27.5°	1031.6	1041.1	1062.2	1074.4	1107.8	1132.3	1163.6	1194.2	1218.0	1267.0	1296.3
30°	905.7	913.8	936.3	953.3	981.9	1015.2	1054.7	1098.3	1137.7	1187.4	1224.1
32.5°	788.0	796.8	815.2	830.2	862.1	890.0	933.6	987.3	1024.1	1092.8	1141.8
35°	685.2	693.4	706.3	719.2	745.8	774.4	811.8	864.2	911.1	982.6	1044.5
37.5°	613.1	614.4	621.9	629.4	649.2	670.9	700.2	746.5	790.0	866.9	934.9
40°	561.4	561.4	565.5	567.5	576.3	589.3	607.6	643.7	679.8	738.3	821.3
42.5°	529.4	528.0	528.0	528.7	528.0	534.2	545.0	562.1	594.0	642.3	707.0
45°	505.6	502.9	500.8	496.1	493.3	493.3	494.0	500.1	518.5	549.8	602.2
47.5°	479.0	478.4	475.0	469.5	464.7	461.3	455.9	453.9	459.3	477.0	512.4
50°	448.4	445.0	441.6	437.5	432.1	428.7	418.5	419.2	414.4	422.6	440.9
52.5°	403.5	400.8	399.4	396.0	394.0	392.6	384.5	376.3	374.2	375.6	382.4
55°	353.8	355.2	349.8	352.5	351.8	345.7	342.3	336.1	334.1	333.4	336.8
57.5°	302.1	303.5	300.1	302.8	302.8	299.4	297.4	297.4	292.6	288.5	293.3
60°	255.2	252.4	254.5	257.9	257.9	255.9	254.5	254.5	251.1	249.7	253.1
62.5°	217.1	214.3	216.4	219.8	220.5	219.1	217.7	217.7	213.7	213.7	216.4
65°	187.8	188.5	187.8	190.5	190.5	191.2	189.8	188.5	183.7	185.8	185.1
67.5°	166.7	166.0	166.0	168.8	168.1	169.4	168.1	166.0	162.6	159.9	159.2
70°	149.0	148.3	148.3	149.7	150.4	150.4	149.7	148.3	143.6	140.9	138.8
72.5°	133.4	132.7	133.4	134.0	134.7	135.4	134.7	133.4	129.3	125.9	122.5
75°	119.1	118.4	120.4	120.4	121.1	121.1	121.8	121.1	117.7	113.6	109.6
77.5°	104.8	105.5	107.5	108.2	109.6	110.2	110.9	110.9	107.5	104.1	98.7
80°	93.2	94.6	95.9	96.6	98.0	100.0	100.7	101.4	98.7	95.3	89.1
82.5°	85.1	85.7	87.1	87.8	89.8	90.5	91.2	92.5	91.2	87.8	81.0
85°	78.3	78.9	80.3	80.3	81.7	83.0	83.7	84.4	83.7	80.3	73.5
87.5°	72.1	72.8	73.5	74.2	74.8	75.5	76.2	76.9	76.2	72.8	66.7
90°	66.7	66.7	67.4	67.4	68.0	68.7	70.1	70.1	69.4	66.7	60.6
92.5°	60.6	61.2	61.2	61.9	62.6	63.3	64.0	64.0	63.3	60.6	55.1
95°	56.5	56.5	57.2	57.2	57.8	57.8	58.5	58.5	57.8	55.1	49.7
97.5°	51.7	51.7	51.7	51.7	52.4	52.4	53.1	53.1	52.4	49.7	44.9
100°	47.6	47.6	47.6	47.6	47.6	48.3	48.3	48.3	47.6	44.9	40.1
102.5°	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	42.9	40.8	36.1
105°	42.2	42.2	42.2	41.5	41.5	41.5	40.8	40.8	38.8	36.7	32.7
107.5°	39.5	39.5	39.5	38.8	38.8	38.1	37.4	37.4	35.4	33.3	29.3
110°	37.4	37.4	37.4	36.7	36.1	35.4	34.7	34.0	32.0	29.3	25.9



TEST NUMBER: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	35.4	35.4	34.7	34.7	34.0	33.3	32.0	31.3	29.3	26.5	23.1
115°	32.7	32.7	32.7	32.0	31.3	30.6	29.9	28.6	26.5	23.8	20.4
117.5°	29.9	29.9	29.9	29.3	28.6	27.9	27.2	25.9	23.8	21.1	18.4
120°	27.2	27.2	27.2	26.5	25.9	25.2	24.5	23.1	21.1	19.1	15.7
122.5°	25.2	25.2	24.5	23.8	23.1	22.5	21.8	20.4	19.1	16.3	13.6
125°	22.5	22.5	21.8	21.8	21.1	20.4	19.7	18.4	16.3	14.3	12.2
127.5°	20.4	19.7	19.7	19.7	19.1	18.4	17.0	16.3	14.3	12.2	10.2
130°	17.7	17.7	17.7	17.0	17.0	16.3	15.0	13.6	12.2	10.9	8.8
132.5°	15.7	15.7	15.7	15.7	15.0	14.3	12.9	12.2	10.9	8.8	7.5
135°	14.3	14.3	13.6	13.6	12.9	12.2	11.6	10.2	8.8	7.5	6.1
137.5°	12.2	12.2	12.2	11.6	11.6	10.9	9.5	8.8	8.2	6.8	5.4
140°	10.9	10.9	10.2	10.2	9.5	9.5	8.8	7.5	6.8	5.4	4.8
142.5°	9.5	9.5	8.8	8.8	8.2	8.2	7.5	6.8	5.4	4.8	3.4
145°	8.2	8.2	7.5	7.5	7.5	6.8	6.1	5.4	4.8	4.1	3.4
147.5°	6.8	6.8	6.8	6.1	6.1	5.4	5.4	4.8	4.1	3.4	2.7
150°	6.1	6.1	5.4	5.4	5.4	4.8	4.1	4.1	3.4	2.7	2.0
152.5°	4.8	4.8	4.8	4.8	4.1	4.1	3.4	3.4	2.7	2.0	2.0
155°	4.1	4.1	4.1	3.4	3.4	3.4	2.7	2.7	2.0	2.0	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: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4	1317.4
2.5°	1309.9	1309.2	1315.3	1314.6	1306.5	1318.7	1326.9
5°	1306.5	1305.8	1311.2	1312.6	1303.7	1316.7	1325.5
7.5°	1303.7	1303.1	1309.2	1311.2	1302.4	1314.0	1323.5
10°	1304.4	1301.0	1306.5	1307.8	1299.7	1311.9	1320.1
12.5°	1309.2	1301.0	1303.1	1303.1	1295.6	1306.5	1315.3
15°	1320.8	1303.7	1301.0	1299.0	1289.5	1299.7	1308.5
17.5°	1333.7	1310.6	1301.0	1294.2	1282.7	1291.5	1301.0
20°	1346.6	1318.0	1302.4	1291.5	1275.8	1284.0	1290.8
22.5°	1352.7	1324.8	1303.7	1287.4	1267.7	1271.8	1279.3
25°	1344.6	1322.1	1301.0	1281.3	1257.5	1258.2	1264.3
27.5°	1314.6	1308.5	1294.9	1275.2	1249.3	1245.9	1250.7
30°	1263.6	1280.6	1281.3	1267.0	1239.8	1233.0	1235.0
32.5°	1192.2	1230.3	1252.7	1250.0	1226.2	1216.6	1218.0
35°	1109.8	1157.5	1206.4	1222.8	1205.8	1198.3	1195.6
37.5°	1011.2	1075.1	1140.4	1180.6	1177.9	1173.1	1170.4
40°	902.3	979.2	1056.7	1120.7	1140.4	1140.4	1141.8
42.5°	785.9	875.7	960.8	1041.8	1088.0	1098.3	1102.3
45°	673.6	764.1	856.7	949.9	1011.8	1043.8	1055.4
47.5°	571.6	662.8	750.5	852.6	934.9	976.4	994.8
50°	484.5	552.5	645.1	746.5	836.3	887.3	923.4
52.5°	412.4	465.4	546.4	641.0	731.5	801.6	834.9
55°	351.8	387.9	456.6	538.2	624.7	697.5	736.3
57.5°	300.8	329.3	376.3	444.3	517.1	589.3	630.8
60°	255.9	275.6	307.6	361.3	423.2	485.2	525.3
62.5°	217.1	230.0	251.1	290.6	338.9	387.2	424.6
65°	187.1	192.6	204.1	228.6	265.4	302.1	334.1
67.5°	157.9	161.3	170.1	185.1	203.5	230.0	251.1
70°	136.1	136.1	136.8	145.6	155.1	172.2	187.1
72.5°	118.4	116.4	112.3	114.3	116.4	125.9	135.4
75°	104.1	99.3	92.5	89.8	88.5	89.8	95.3
77.5°	91.9	85.1	76.9	70.1	64.6	62.6	67.4
80°	81.7	73.5	64.0	55.1	46.3	41.5	43.5
82.5°	73.5	63.3	53.1	42.9	32.7	25.9	25.9
85°	64.6	55.1	44.2	33.3	23.1	14.3	12.9
87.5°	58.5	48.3	36.7	26.5	16.3	7.5	4.1
90°	52.4	42.2	31.3	21.1	11.6	3.4	0.0
92.5°	47.0	37.4	27.2	17.0	8.2	2.0	0.0
95°	42.2	33.3	23.1	14.3	6.8	1.4	0.7
97.5°	37.4	29.3	20.4	11.6	4.8	1.4	0.7
100°	34.0	25.9	17.7	9.5	4.1	0.7	0.7
102.5°	29.9	23.1	15.0	8.2	3.4	0.7	0.7
105°	26.5	20.4	12.9	6.8	2.7	0.7	0.7
107.5°	23.8	17.7	11.6	6.1	2.7	0.7	0.7
110°	21.1	15.7	10.2	5.4	2.0	0.7	0.7



TEST NUMBER: P290184

CATALOG NUMBER: 4SSRK-LC-30-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	19.1	13.6	8.8	4.8	1.4	0.7	0.7
115°	16.3	12.2	7.5	4.1	1.4	0.7	0.7
117.5°	14.3	10.2	6.8	3.4	1.4	0.7	0.7
120°	12.2	8.8	5.4	2.7	0.7	0.7	0.7
122.5°	10.9	7.5	4.8	2.7	0.7	0.7	0.7
125°	9.5	6.8	4.1	2.0	0.7	0.7	0.7
127.5°	8.2	5.4	3.4	1.4	0.7	0.7	0.7
130°	6.8	4.8	2.7	1.4	0.7	0.7	0.7
132.5°	5.4	4.1	2.7	1.4	0.7	0.7	0.7
135°	4.8	3.4	2.0	1.4	0.7	0.7	0.7
137.5°	4.1	2.7	1.4	1.4	1.4	0.7	0.7
140°	3.4	2.0	1.4	1.4	1.4	1.4	0.7
142.5°	2.7	2.0	1.4	1.4	1.4	1.4	0.7
145°	2.0	1.4	1.4	1.4	1.4	1.4	0.7
147.5°	2.0	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)