

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: P290186

Luminaire Tested: **4SSRK-LC-30-L840-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: P290186  
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-L840-CD1-U  
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 80 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3248.8 lumens  
Efficiency: N/A  
Efficacy: 159.3 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

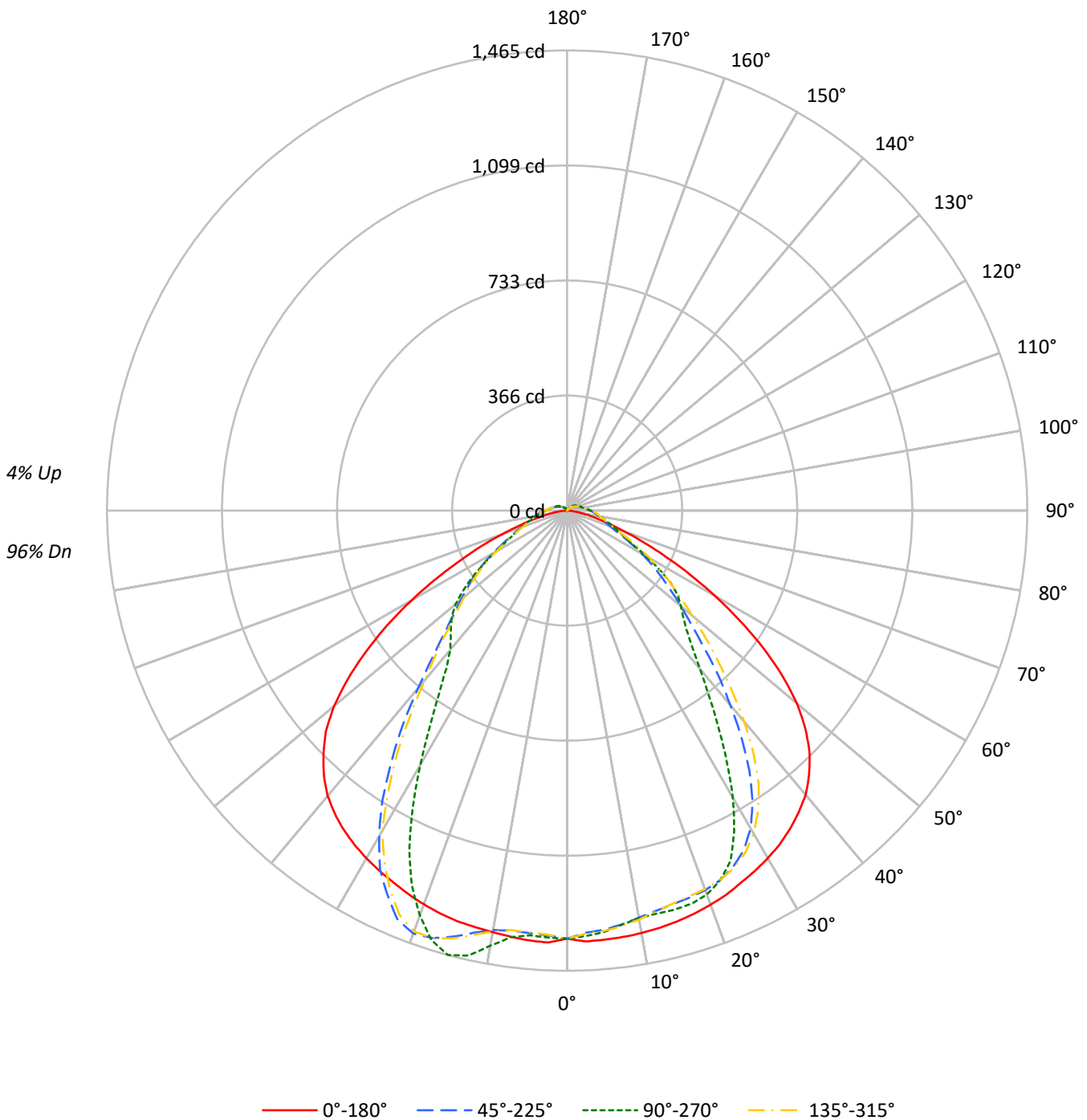
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	88014	88014	88014	88014
5°	88578	64669	88759	65178
10°	88902	50650	88720	54085
15°	89511	42457	89464	47276
20°	90408	36406	90306	38376
25°	91424	30603	91375	29569
30°	93038	23778	93089	21065
35°	94747	17377	95015	14705
40°	96219	12711	96619	11197
45°	95730	9811	96221	9554
50°	91432	8241	92715	8058
55°	80948	6753	82967	6139
60°	65464	4702	68946	4313
65°	48481	3256	52241	3089
70°	32802	2528	36970	2417
75°	21293	2029	24769	1919
80°	13567	1658	15884	1525
85°	6726	1418	8834	1296



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.5	4.0
10°-20°	385.2	11.9
20°-30°	585.6	18.0
30°-40°	628.2	19.3
40°-50°	545.2	16.8
50°-60°	404.0	12.4
60°-70°	231.5	7.1
70°-80°	128.2	3.9
80°-90°	78.1	2.4
90°-100°	50.8	1.6
100°-110°	34.0	1.0
110°-120°	23.0	0.7
120°-130°	14.1	0.4
130°-140°	7.4	0.2
140°-150°	3.4	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1100.2	33.9
0°-40°	1728.3	53.2
0°-60°	2677.5	82.4
0°-90°	3115.3	95.9
90°-120°	107.7	3.3
90°-150°	132.6	4.1
90°-180°	134.0	4.1
0°-180°	3248.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1363	1363	1363	1363	1363	
5°	1371	1347	1374	1357	1371	131
15°	1354	1316	1353	1465	1354	383
25°	1308	1230	1307	1189	1308	605
35°	1237	838	1240	709	1237	774
45°	1092	537	1097	523	1092	836
55°	762	403	781	366	762	675
65°	346	204	372	194	346	348
75°	99	130	115	122	99	113
85°	13	89	18	82	13	18
90°	0	75	1	69	0	1
95°	1	61	0	58	1	0
105°	1	46	1	44	1	1
115°	1	37	1	34	1	1
125°	1	28	1	23	1	1
135°	1	18	1	15	1	1
145°	1	11	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°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1372.7	1369.1	1367.7	1364.9	1367.0	1375.5	1369.8	1360.7	1361.4	1345.2	1353.7
5°	1371.3	1367.0	1364.9	1362.1	1363.5	1371.3	1365.6	1356.5	1355.8	1339.6	1347.3
7.5°	1369.1	1364.9	1361.4	1359.3	1360.0	1366.3	1359.3	1348.7	1346.6	1329.0	1336.1
10°	1365.6	1362.8	1357.9	1354.4	1353.7	1360.7	1349.4	1338.9	1333.9	1315.6	1322.7
12.5°	1360.7	1356.5	1351.5	1345.2	1344.5	1348.7	1339.6	1324.8	1319.9	1305.1	1312.8
15°	1353.7	1348.7	1343.1	1336.1	1332.5	1335.4	1324.1	1310.7	1310.0	1297.3	1307.9
17.5°	1345.9	1338.9	1332.5	1322.7	1317.8	1319.9	1310.7	1298.7	1300.2	1292.4	1304.4
20°	1335.4	1327.6	1317.8	1307.9	1300.9	1304.4	1298.0	1288.9	1291.0	1285.4	1295.9
22.5°	1323.4	1312.8	1300.9	1289.6	1284.0	1288.9	1284.0	1276.2	1276.9	1273.4	1279.7
25°	1307.9	1295.9	1281.9	1267.8	1265.0	1268.5	1265.7	1259.3	1256.5	1250.9	1253.7
27.5°	1293.8	1280.4	1262.8	1248.1	1243.1	1250.2	1243.8	1233.3	1225.5	1217.8	1212.2
30°	1277.6	1261.4	1241.7	1224.8	1220.6	1223.4	1214.3	1198.1	1177.7	1167.8	1152.3
32.5°	1260.0	1238.9	1214.3	1195.3	1192.5	1190.3	1173.4	1150.2	1118.5	1098.8	1074.9
35°	1236.8	1213.6	1184.0	1160.8	1156.6	1144.6	1117.1	1086.2	1045.3	1011.5	970.7
37.5°	1210.8	1183.3	1152.3	1121.4	1109.4	1085.5	1046.7	1014.4	952.4	911.6	862.3
40°	1181.2	1148.1	1110.1	1072.8	1053.1	1014.4	970.0	922.1	862.3	807.4	765.9
42.5°	1140.4	1105.2	1060.1	1018.6	984.8	933.4	881.3	813.7	758.8	712.4	670.1
45°	1091.8	1049.6	997.5	947.5	904.5	843.3	782.1	714.5	668.7	614.5	585.7
47.5°	1029.1	983.4	927.8	872.2	815.9	748.3	684.2	619.5	573.7	535.0	513.9
50°	955.2	913.0	851.8	785.6	723.6	653.2	589.2	540.6	496.3	472.3	456.1
52.5°	863.7	824.3	761.7	689.9	630.0	561.0	502.6	463.2	431.5	413.9	408.3
55°	761.7	727.2	665.2	598.3	537.1	473.7	429.4	394.9	374.5	363.9	364.6
57.5°	652.5	625.8	567.4	507.5	449.8	401.9	361.8	334.4	318.9	318.2	320.3
60°	543.4	523.7	473.0	421.7	371.0	332.3	302.7	283.7	273.8	274.5	273.8
62.5°	439.3	420.9	384.3	342.1	302.0	275.9	249.2	241.4	233.0	232.3	232.3
65°	345.6	331.6	302.0	271.7	241.4	224.6	211.2	202.0	195.7	194.3	195.0
67.5°	259.7	254.1	233.7	213.3	194.3	183.7	172.5	170.4	165.4	165.4	166.8
70°	193.6	189.4	178.1	166.1	158.4	151.3	145.7	145.7	145.0	144.3	147.8
72.5°	140.1	140.8	137.3	128.1	127.4	126.0	124.6	126.7	127.4	129.5	133.7
75°	98.6	100.7	100.7	99.3	102.1	105.6	107.7	111.2	115.4	118.3	123.2
77.5°	69.7	69.7	73.2	77.4	83.1	89.4	95.0	100.0	105.6	109.1	113.3
80°	45.1	47.2	52.8	60.5	68.3	76.7	84.5	90.8	96.4	102.1	104.9
82.5°	26.7	30.3	37.3	47.2	57.0	67.6	75.3	83.1	89.4	95.0	97.1
85°	13.4	18.3	26.7	37.3	47.9	59.1	69.0	76.0	83.1	88.0	90.8
87.5°	4.2	9.9	19.0	28.9	40.1	51.4	61.9	69.7	76.0	80.2	83.1
90°	0.0	4.9	13.4	23.9	34.5	45.8	55.6	64.1	70.4	73.9	76.0
92.5°	0.0	2.8	10.6	19.7	29.6	40.8	50.7	58.4	64.1	67.6	69.0
95°	0.7	2.1	7.7	16.2	26.0	36.6	45.8	52.8	58.4	61.9	62.6
97.5°	0.7	1.4	6.3	13.4	22.5	32.4	41.5	48.6	52.8	56.3	57.0
100°	0.7	1.4	4.9	12.0	19.7	28.9	37.3	43.6	48.6	51.4	52.1
102.5°	0.7	0.7	4.2	9.9	17.6	25.3	33.1	39.4	43.6	46.5	47.9
105°	0.7	0.7	3.5	8.4	15.5	22.5	29.6	35.9	39.4	42.2	43.6
107.5°	0.7	0.7	2.8	7.0	13.4	19.7	26.7	31.7	35.9	38.7	40.1
110°	0.7	0.7	2.1	6.3	11.3	17.6	23.2	28.2	32.4	35.2	36.6



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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	5.6	9.9	15.5	20.4	25.3	28.9	31.7	33.8
115°	0.7	0.7	2.1	4.9	9.2	13.4	18.3	22.5	26.0	28.9	31.0
117.5°	0.7	0.7	2.1	4.2	7.7	12.0	16.2	20.4	23.2	26.0	28.2
120°	0.7	0.7	1.4	3.5	7.0	10.6	14.1	17.6	21.1	23.9	26.0
122.5°	0.7	0.7	1.4	3.5	5.6	9.2	12.7	15.5	19.0	21.1	23.2
125°	0.7	0.7	1.4	2.8	4.9	8.4	11.3	14.1	16.2	19.0	21.1
127.5°	0.7	0.7	1.4	2.8	4.2	7.0	9.9	12.7	14.8	16.9	18.3
130°	0.7	0.7	1.4	2.1	3.5	5.6	8.4	10.6	13.4	14.8	16.2
132.5°	0.7	0.7	0.7	2.1	2.8	4.2	6.3	9.2	11.3	13.4	14.1
135°	0.7	0.7	0.7	1.4	2.8	3.5	4.9	7.0	9.2	11.3	12.7
137.5°	0.7	0.7	0.7	1.4	2.1	3.5	4.2	5.6	7.7	9.2	11.3
140°	0.7	0.7	0.7	1.4	2.1	2.8	3.5	4.9	6.3	7.7	9.2
142.5°	0.7	0.7	0.7	1.4	1.4	2.1	2.8	4.2	4.9	6.3	7.7
145°	0.7	0.7	0.7	1.4	1.4	2.1	2.8	3.5	4.2	4.9	6.3
147.5°	0.7	0.7	0.7	1.4	1.4	1.4	2.1	2.8	3.5	4.2	4.9
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°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1350.8	1352.2	1360.7	1360.0	1358.6	1357.2	1357.2	1355.8	1357.2	1360.7	1359.3
5°	1343.8	1345.9	1352.2	1351.5	1350.1	1349.4	1348.7	1346.6	1348.0	1353.0	1351.5
7.5°	1331.1	1333.2	1338.9	1336.1	1333.9	1335.4	1331.8	1329.7	1332.5	1337.5	1336.8
10°	1317.8	1319.2	1326.2	1324.8	1321.3	1322.0	1318.5	1317.1	1320.6	1323.4	1324.1
12.5°	1308.6	1313.5	1319.9	1319.2	1318.5	1319.2	1315.6	1314.2	1316.3	1319.2	1318.5
15°	1306.5	1312.8	1319.9	1319.9	1320.6	1321.3	1317.8	1315.6	1317.8	1319.9	1319.2
17.5°	1304.4	1312.1	1318.5	1317.8	1318.5	1319.9	1314.2	1312.8	1315.6	1318.5	1317.1
20°	1297.3	1304.4	1308.6	1307.2	1307.2	1307.9	1300.9	1300.9	1305.1	1307.2	1307.9
22.5°	1277.6	1286.1	1286.1	1282.6	1282.6	1279.7	1277.6	1273.4	1278.3	1281.9	1284.7
25°	1248.1	1251.6	1247.4	1239.6	1235.4	1231.9	1222.0	1230.5	1230.5	1241.0	1244.5
27.5°	1206.5	1198.8	1186.8	1170.6	1167.1	1155.9	1149.5	1151.6	1155.1	1169.9	1181.2
30°	1138.3	1115.0	1094.6	1087.6	1072.1	1060.8	1049.6	1055.2	1061.5	1070.0	1093.2
32.5°	1048.1	1025.6	992.5	980.6	964.4	950.3	936.9	945.4	956.6	962.3	987.6
35°	944.7	917.9	887.7	867.2	850.3	842.6	825.7	837.7	849.6	853.9	875.7
37.5°	834.9	807.4	780.7	763.1	746.9	741.9	730.7	739.1	748.3	754.6	772.9
40°	730.7	705.3	684.9	673.0	661.7	657.5	653.2	656.8	663.8	668.7	682.8
42.5°	641.3	620.9	606.8	599.7	592.0	586.4	587.1	588.5	592.0	602.6	608.9
45°	563.1	551.2	542.0	540.6	535.7	535.0	534.3	537.1	539.2	545.5	550.5
47.5°	500.5	495.6	493.5	496.3	498.4	495.6	497.0	500.5	504.7	504.7	504.0
50°	451.2	452.6	455.4	461.8	466.0	467.4	468.8	473.0	473.7	475.2	473.0
52.5°	411.1	412.5	420.2	430.1	435.0	437.1	440.0	444.2	444.2	445.6	442.8
55°	370.3	372.4	380.1	390.0	394.2	397.0	399.8	402.6	404.8	407.6	405.5
57.5°	325.2	331.6	336.5	339.3	342.1	344.2	346.3	347.0	351.3	352.0	355.5
60°	277.3	278.8	283.7	283.0	280.9	286.5	283.7	288.6	293.5	299.9	300.6
62.5°	231.6	232.3	235.8	234.4	237.2	236.5	238.6	238.6	242.2	245.0	248.5
65°	195.7	196.4	199.2	199.2	198.5	200.6	202.7	204.1	204.1	206.3	209.1
67.5°	168.9	171.1	173.9	175.3	176.7	176.7	178.8	179.5	180.9	181.6	183.0
70°	150.6	153.5	156.3	157.7	158.4	159.8	160.5	160.5	161.9	162.6	164.0
72.5°	137.3	140.1	142.2	142.2	143.6	144.3	144.3	145.0	145.7	147.1	148.5
75°	126.0	128.1	129.5	128.8	128.8	128.8	129.5	129.5	130.9	132.3	133.7
77.5°	115.4	117.6	117.6	116.1	116.1	116.1	116.1	116.9	117.6	119.0	120.4
80°	107.7	107.7	107.0	107.0	105.6	104.9	104.9	105.6	105.6	107.0	109.1
82.5°	99.3	99.3	98.6	97.8	97.1	96.4	96.4	97.1	97.8	98.6	100.0
85°	91.5	91.5	90.1	90.1	89.4	89.4	89.4	89.4	90.1	90.8	92.2
87.5°	83.8	83.1	82.4	81.7	81.7	81.7	81.7	81.7	82.4	83.8	84.5
90°	76.0	75.3	74.6	74.6	73.9	73.9	74.6	74.6	75.3	76.0	76.7
92.5°	69.0	68.3	67.6	67.6	66.9	66.9	67.6	66.9	68.3	68.3	69.0
95°	62.6	61.9	61.2	61.2	61.2	61.2	61.2	61.2	61.9	61.9	62.6
97.5°	57.0	56.3	55.6	55.6	56.3	55.6	56.3	56.3	56.3	57.0	57.7
100°	52.1	51.4	51.4	52.1	51.4	51.4	52.1	52.1	52.1	52.1	52.8
102.5°	47.9	47.9	47.9	47.9	47.9	47.9	48.6	48.6	48.6	48.6	49.3
105°	43.6	44.3	44.3	44.3	45.1	45.1	45.1	45.8	45.8	45.8	45.8
107.5°	40.8	41.5	41.5	42.2	42.2	42.9	42.9	42.9	42.9	43.6	43.6
110°	38.0	38.7	39.4	40.1	40.1	40.8	40.8	40.8	40.8	40.8	40.8





TEST NUMBER: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	35.2	35.9	36.6	38.0	38.7	38.7	38.7	38.7	39.4	39.4	38.7
115°	32.4	33.8	34.5	35.9	36.6	36.6	37.3	37.3	37.3	37.3	36.6
117.5°	29.6	31.7	32.4	33.8	34.5	34.5	35.2	35.2	35.2	35.2	34.5
120°	27.5	28.9	30.3	31.0	31.7	32.4	32.4	33.1	33.1	33.1	32.4
122.5°	25.3	26.7	28.2	28.9	29.6	30.3	30.3	30.3	30.3	30.3	30.3
125°	22.5	23.9	25.3	26.0	26.7	27.5	27.5	28.2	28.2	28.2	27.5
127.5°	20.4	21.8	22.5	23.9	24.6	24.6	25.3	25.3	25.3	25.3	24.6
130°	17.6	19.0	20.4	21.1	21.8	21.8	22.5	22.5	22.5	22.5	22.5
132.5°	15.5	16.9	17.6	19.0	19.0	19.7	19.7	20.4	20.4	20.4	19.7
135°	14.1	14.8	15.5	16.9	16.9	17.6	17.6	17.6	17.6	17.6	17.6
137.5°	12.7	13.4	14.1	14.8	14.8	15.5	15.5	15.5	15.5	16.2	15.5
140°	10.6	12.0	12.7	12.7	13.4	13.4	13.4	14.1	14.1	14.1	13.4
142.5°	9.2	9.9	10.6	11.3	12.0	12.0	12.0	12.0	12.7	12.0	12.0
145°	7.0	8.4	9.2	9.9	10.6	10.6	10.6	10.6	10.6	10.6	10.6
147.5°	5.6	6.3	7.7	8.4	8.4	9.2	9.2	9.2	9.2	9.2	9.2
150°	4.9	4.9	6.3	7.0	7.7	7.7	7.7	7.7	7.7	7.7	7.7
152.5°	3.5	4.2	4.9	5.6	6.3	6.3	6.3	6.3	6.3	6.3	6.3
155°	3.5	3.5	4.2	4.2	4.9	4.9	4.9	4.9	5.6	4.9	4.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1357.2	1356.5	1359.3	1356.5	1342.4	1348.0	1345.9	1353.7	1354.4	1356.5	1363.5
5°	1350.1	1350.1	1353.7	1350.8	1337.5	1343.1	1342.4	1350.1	1351.5	1353.0	1360.7
7.5°	1336.1	1336.8	1341.7	1339.6	1325.5	1333.9	1333.2	1342.4	1345.2	1348.0	1355.1
10°	1322.7	1322.0	1327.6	1325.5	1312.1	1322.0	1321.3	1330.4	1334.6	1339.6	1348.0
12.5°	1315.6	1313.5	1315.6	1313.5	1298.7	1306.5	1307.2	1317.8	1322.7	1329.0	1338.9
15°	1315.6	1312.1	1312.1	1307.9	1291.0	1295.9	1296.6	1303.7	1310.0	1316.3	1328.3
17.5°	1314.2	1310.7	1310.0	1306.5	1288.2	1288.2	1287.5	1292.4	1295.9	1302.3	1314.9
20°	1306.5	1305.1	1304.4	1302.3	1285.4	1282.6	1281.2	1281.2	1283.3	1285.4	1298.0
22.5°	1286.1	1287.5	1288.9	1290.3	1276.9	1272.0	1272.7	1271.3	1269.2	1269.2	1279.7
25°	1248.1	1255.1	1260.7	1267.1	1259.3	1255.8	1260.0	1257.9	1254.4	1251.6	1260.7
27.5°	1187.5	1202.3	1214.3	1229.8	1230.5	1227.7	1238.9	1237.5	1236.8	1232.6	1239.6
30°	1103.8	1127.0	1143.2	1165.7	1184.7	1187.5	1206.5	1209.3	1212.2	1210.1	1217.1
32.5°	1002.4	1034.1	1061.5	1096.7	1115.0	1131.2	1158.0	1169.2	1180.5	1184.0	1191.8
35°	891.9	927.8	960.2	998.9	1027.7	1062.9	1095.3	1112.2	1137.5	1147.4	1158.7
37.5°	787.0	820.8	852.5	891.2	937.6	974.2	1014.4	1052.4	1086.9	1100.9	1117.8
40°	694.1	721.5	751.8	785.6	827.8	875.7	919.3	972.1	1013.0	1041.1	1065.7
42.5°	623.7	637.1	663.1	693.4	727.2	775.7	820.1	879.2	928.5	968.6	1009.4
45°	561.0	567.4	586.4	602.6	637.1	680.0	727.2	784.9	836.3	887.7	936.9
47.5°	507.5	515.3	524.4	534.3	558.9	594.8	635.6	687.7	739.1	799.0	855.3
50°	471.6	473.7	475.2	479.4	494.2	518.8	551.9	596.2	645.5	709.6	769.4
52.5°	440.0	440.0	435.7	433.6	439.3	454.7	473.7	505.4	556.1	615.2	678.6
55°	406.2	399.8	398.4	391.4	392.8	399.8	409.0	433.6	475.2	525.8	587.1
57.5°	359.0	356.2	356.2	353.4	347.7	351.3	353.4	371.0	400.5	444.2	497.7
60°	304.8	303.4	306.9	307.6	302.7	304.8	304.1	314.7	335.8	371.0	415.3
62.5°	250.6	256.9	257.6	260.5	257.6	256.9	260.5	269.6	280.2	306.9	341.4
65°	210.5	214.0	214.7	218.2	216.8	216.8	219.6	226.7	233.0	251.3	278.1
67.5°	184.4	183.0	183.7	185.8	183.7	183.0	185.1	189.4	194.3	205.5	224.6
70°	164.0	162.6	162.6	162.6	159.8	157.7	158.4	159.8	161.9	168.2	180.2
72.5°	148.5	148.5	146.4	144.3	142.2	140.8	139.4	138.0	137.3	139.4	145.7
75°	134.5	135.2	134.5	132.3	129.5	126.7	123.9	121.1	117.6	116.1	116.9
77.5°	121.8	122.5	123.2	122.5	119.7	116.1	111.9	107.7	102.8	97.8	95.0
80°	110.5	111.9	112.6	111.9	109.8	107.0	102.1	97.1	90.1	83.8	76.7
82.5°	100.7	102.8	103.5	103.5	102.1	99.3	93.6	88.0	80.2	71.8	62.6
85°	92.9	94.3	95.7	95.7	95.0	92.2	86.6	80.2	72.5	62.6	52.8
87.5°	85.2	85.9	87.3	88.7	87.3	84.5	79.5	72.5	64.8	54.9	43.6
90°	77.4	78.1	79.5	81.0	80.2	77.4	73.2	66.9	58.4	47.9	36.6
92.5°	69.7	71.1	71.8	72.5	73.2	71.1	67.6	61.2	52.8	42.2	31.7
95°	64.1	64.1	65.5	66.2	66.9	64.8	61.9	55.6	47.9	38.0	27.5
97.5°	58.4	58.4	59.8	59.8	60.5	59.1	56.3	50.7	42.9	33.8	23.2
100°	52.8	53.5	54.2	54.9	54.9	54.2	51.4	45.8	38.7	30.3	20.4
102.5°	49.3	49.3	50.0	50.0	50.7	49.3	46.5	41.5	34.5	26.7	17.6
105°	45.8	45.8	46.5	46.5	45.8	44.3	41.5	37.3	31.0	23.2	15.5
107.5°	42.9	42.9	42.9	42.9	42.2	40.8	38.0	33.1	27.5	21.1	14.1
110°	40.8	40.1	40.1	39.4	38.7	36.6	33.8	29.6	24.6	18.3	12.0



TEST NUMBER: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	38.7	38.0	37.3	36.6	35.2	33.1	30.3	26.7	21.8	16.2	10.6
115°	36.6	35.9	35.2	33.8	32.4	30.3	27.5	23.9	19.0	14.1	9.2
117.5°	34.5	33.8	32.4	31.0	29.6	27.5	24.6	21.1	16.9	12.7	8.4
120°	31.7	31.0	30.3	28.9	27.5	24.6	21.8	19.0	14.8	11.3	7.0
122.5°	29.6	28.9	27.5	26.7	24.6	22.5	19.7	16.9	13.4	9.9	6.3
125°	26.7	26.0	25.3	23.9	22.5	19.7	17.6	14.8	12.0	8.4	4.9
127.5°	24.6	23.9	22.5	21.1	19.7	17.6	15.5	13.4	10.6	7.0	4.9
130°	21.8	21.1	20.4	19.0	17.6	15.5	14.1	11.3	9.2	6.3	4.2
132.5°	19.0	19.0	18.3	16.9	15.5	14.1	12.0	9.9	7.7	5.6	3.5
135°	17.6	16.9	16.2	14.8	14.1	12.0	10.6	8.4	6.3	4.9	2.8
137.5°	15.5	14.8	14.1	13.4	12.0	10.6	9.2	7.0	5.6	4.2	2.8
140°	13.4	12.7	12.7	11.3	10.6	9.2	7.7	6.3	4.9	3.5	2.1
142.5°	12.0	11.3	10.6	9.9	9.2	7.7	6.3	4.9	4.2	2.8	2.1
145°	10.6	9.9	9.2	8.4	7.7	6.3	5.6	4.2	3.5	2.8	2.1
147.5°	8.4	8.4	7.7	7.0	6.3	5.6	4.9	4.2	2.8	2.1	1.4
150°	7.0	7.0	6.3	5.6	5.6	4.9	4.2	3.5	2.8	2.1	1.4
152.5°	6.3	5.6	5.6	4.9	4.9	4.2	3.5	2.8	2.1	2.1	1.4
155°	4.9	4.9	4.9	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: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1364.9	1356.5	1363.5	1376.2	1374.8	1373.4	1372.0	1374.8	1383.9	1379.0	1371.3
5°	1362.8	1354.4	1362.1	1374.1	1373.4	1371.3	1369.8	1372.7	1381.8	1376.9	1368.4
7.5°	1358.6	1350.8	1356.5	1368.4	1368.4	1367.0	1365.6	1368.4	1376.9	1372.7	1364.2
10°	1351.5	1345.9	1351.5	1362.8	1363.5	1360.7	1359.3	1362.8	1371.3	1369.1	1362.1
12.5°	1345.9	1340.3	1346.6	1357.9	1358.6	1355.8	1353.7	1357.9	1369.1	1370.5	1368.4
15°	1338.2	1333.2	1341.0	1353.0	1353.0	1350.8	1350.8	1356.5	1372.0	1378.3	1381.8
17.5°	1326.9	1323.4	1332.5	1344.5	1345.2	1343.8	1344.5	1355.8	1376.2	1391.7	1401.5
20°	1312.8	1311.4	1321.3	1333.9	1336.1	1336.8	1340.3	1357.2	1385.3	1406.4	1416.3
22.5°	1295.9	1296.6	1307.9	1321.3	1324.1	1326.2	1333.2	1357.2	1392.4	1414.9	1419.1
25°	1276.9	1279.0	1291.0	1307.2	1310.7	1314.9	1326.9	1357.9	1394.5	1409.3	1402.2
27.5°	1256.5	1260.7	1276.2	1293.1	1297.3	1304.4	1319.9	1353.7	1384.6	1385.3	1359.3
30°	1235.4	1240.3	1258.6	1278.3	1285.4	1292.4	1311.4	1343.8	1360.7	1338.2	1292.4
32.5°	1211.5	1218.5	1236.8	1260.7	1269.2	1278.3	1297.3	1324.8	1318.5	1269.9	1204.4
35°	1181.2	1191.0	1212.2	1240.3	1248.1	1260.0	1273.4	1279.7	1251.6	1182.6	1108.7
37.5°	1143.9	1158.7	1183.3	1215.7	1224.1	1231.9	1235.4	1217.8	1161.5	1086.9	1010.1
40°	1100.9	1123.5	1150.2	1186.1	1194.6	1194.6	1181.9	1144.6	1073.5	975.6	890.5
42.5°	1048.9	1076.3	1110.1	1146.0	1154.4	1144.6	1114.3	1048.9	967.9	858.8	768.7
45°	985.5	1022.1	1060.1	1097.4	1101.6	1079.8	1025.6	942.6	842.6	741.2	655.4
47.5°	910.2	958.0	999.6	1041.8	1036.2	999.6	927.1	832.7	727.2	631.4	562.4
50°	825.7	882.0	928.5	968.6	956.6	906.0	820.8	722.2	617.3	535.7	478.7
52.5°	735.6	800.4	846.8	879.2	863.0	802.5	708.9	614.5	528.7	454.0	416.0
55°	642.0	707.4	755.3	780.7	759.5	694.1	601.9	516.0	435.0	386.5	363.9
57.5°	551.2	612.4	657.5	677.9	651.1	585.7	500.5	428.0	369.6	328.7	317.5
60°	463.9	513.9	556.8	572.3	543.4	482.9	409.7	352.0	309.0	280.9	275.2
62.5°	382.9	423.8	457.6	469.5	441.4	394.2	330.8	287.9	257.6	243.6	236.5
65°	316.1	340.0	374.5	372.4	355.5	311.8	265.4	235.1	215.4	206.3	202.0
67.5°	248.5	270.3	292.1	294.9	273.8	243.6	213.3	191.5	180.9	176.0	173.9
70°	192.2	208.4	221.7	218.2	207.0	187.9	168.9	157.0	152.8	150.6	150.6
72.5°	149.2	157.7	164.0	159.8	152.8	142.9	133.7	128.8	129.5	130.9	132.3
75°	115.4	117.6	119.0	114.7	113.3	107.0	106.3	107.0	111.2	115.4	117.6
77.5°	88.7	85.9	83.8	79.5	80.2	79.5	83.1	88.7	95.0	101.4	107.0
80°	68.3	61.9	57.0	52.8	54.9	58.4	65.5	73.9	82.4	89.4	96.4
82.5°	52.8	43.6	36.6	32.4	36.6	42.2	51.4	61.9	71.8	79.5	87.3
85°	40.8	30.3	21.8	17.6	21.8	30.3	40.1	52.1	62.6	71.1	78.8
87.5°	31.7	21.8	12.0	7.0	12.0	21.1	32.4	43.6	54.2	64.1	71.8
90°	25.3	14.8	5.6	1.4	6.3	14.8	25.3	36.6	47.2	57.7	65.5
92.5°	20.4	10.6	2.8	0.0	3.5	11.3	21.1	31.7	42.2	52.1	59.8
95°	16.9	8.4	2.1	0.0	2.8	8.4	16.9	27.5	37.3	47.2	53.5
97.5°	14.1	6.3	1.4	0.0	1.4	7.0	14.1	23.2	33.1	42.2	48.6
100°	12.0	5.6	1.4	0.0	1.4	5.6	12.0	20.4	28.9	37.3	43.6
102.5°	9.9	4.2	0.7	0.7	0.7	4.2	10.6	17.6	25.3	33.1	39.4
105°	9.2	3.5	0.7	0.7	0.7	3.5	9.2	15.5	22.5	29.6	35.2
107.5°	7.7	2.8	0.7	0.7	0.7	2.8	7.7	13.4	20.4	26.7	31.7
110°	6.3	2.8	0.7	0.7	0.7	2.8	6.3	12.0	17.6	23.2	28.2



TEST NUMBER: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	5.6	2.1	0.7	0.7	0.7	2.1	5.6	10.6	15.5	21.1	25.3
115°	4.9	2.1	0.7	0.7	0.7	2.1	4.9	9.2	13.4	18.3	22.5
117.5°	4.2	2.1	0.7	0.7	0.7	1.4	4.2	7.7	12.0	16.2	20.4
120°	3.5	1.4	0.7	0.7	0.7	1.4	3.5	7.0	10.6	14.1	17.6
122.5°	3.5	1.4	0.7	0.7	0.7	1.4	2.8	5.6	9.2	12.0	15.5
125°	2.8	1.4	0.7	0.7	0.7	0.7	2.8	4.9	7.7	10.6	13.4
127.5°	2.8	1.4	0.7	0.7	0.7	0.7	2.1	4.2	6.3	9.2	12.0
130°	2.1	1.4	0.7	0.7	0.7	0.7	1.4	3.5	5.6	7.7	9.9
132.5°	2.1	1.4	0.7	0.7	0.7	0.7	1.4	2.8	4.2	6.3	8.4
135°	2.1	0.7	0.7	0.7	0.7	0.7	0.7	2.1	3.5	4.9	6.3
137.5°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.8	3.5	5.6
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: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1369.8	1353.7	1362.1	1359.3	1362.1	1369.1	1368.4	1366.3	1367.7	1364.2	1360.7
5°	1367.0	1350.8	1359.3	1355.8	1359.3	1366.3	1364.9	1362.8	1364.9	1360.7	1357.2
7.5°	1363.5	1348.7	1358.6	1357.9	1364.2	1373.4	1374.1	1374.1	1379.0	1372.7	1369.8
10°	1363.5	1355.8	1369.1	1374.1	1390.3	1402.2	1403.6	1406.4	1414.9	1413.5	1406.4
12.5°	1378.3	1376.9	1396.6	1408.6	1423.3	1440.2	1449.4	1452.2	1457.8	1453.6	1450.8
15°	1397.3	1404.3	1426.2	1439.5	1455.7	1468.4	1470.5	1471.9	1476.1	1469.8	1464.9
17.5°	1422.6	1426.9	1444.5	1450.1	1460.7	1462.8	1459.9	1452.9	1452.9	1438.8	1434.6
20°	1434.6	1432.5	1439.5	1430.4	1426.2	1413.5	1401.5	1388.1	1387.4	1372.7	1371.3
22.5°	1424.0	1410.0	1395.2	1372.7	1362.8	1344.5	1328.3	1320.6	1315.6	1296.6	1291.7
25°	1386.7	1352.2	1330.4	1303.7	1279.7	1258.6	1243.1	1226.9	1211.5	1196.0	1188.9
27.5°	1322.0	1289.6	1254.4	1217.1	1184.0	1151.6	1125.6	1109.4	1094.6	1074.2	1063.6
30°	1242.4	1197.4	1158.7	1122.8	1068.6	1029.1	1007.3	974.9	963.7	954.5	934.8
32.5°	1148.8	1094.6	1041.8	993.2	937.6	901.0	872.2	848.2	841.2	817.3	811.6
35°	1045.3	974.2	914.4	866.5	826.4	782.1	758.1	741.9	727.9	711.7	708.9
37.5°	923.6	859.5	791.9	749.7	718.0	680.0	661.7	650.4	644.1	632.1	630.0
40°	801.1	737.0	690.6	648.3	628.6	608.2	594.8	589.9	587.1	582.9	578.6
42.5°	689.9	633.5	600.5	572.3	563.8	554.0	550.5	553.3	550.5	549.1	548.4
45°	595.5	552.6	529.4	520.9	518.8	516.0	518.8	523.7	524.4	523.0	523.0
47.5°	509.6	489.2	479.4	480.8	484.3	486.4	491.3	497.7	499.1	495.6	497.0
50°	453.3	441.4	439.3	444.9	452.6	455.4	461.1	466.0	465.3	463.9	462.5
52.5°	400.5	397.0	402.6	408.3	416.7	418.1	420.2	422.4	421.7	418.8	417.4
55°	356.2	359.0	363.9	366.0	372.4	371.7	372.4	372.4	369.6	368.2	366.0
57.5°	316.1	316.8	319.6	320.3	323.8	322.4	321.7	320.3	316.1	315.4	313.2
60°	275.2	273.8	280.2	275.2	278.1	275.2	274.5	271.0	266.8	266.1	264.7
62.5°	236.5	233.7	237.9	235.8	237.2	234.4	233.0	228.8	225.3	224.6	223.8
65°	202.0	200.6	204.8	204.1	205.5	202.0	200.6	197.8	195.0	194.3	193.6
67.5°	173.2	176.7	178.8	178.8	180.2	179.5	176.0	175.3	174.6	171.8	171.8
70°	152.0	154.2	158.4	159.1	158.4	159.8	157.0	156.3	155.6	154.2	153.5
72.5°	135.2	138.0	142.2	142.9	142.2	142.2	140.8	140.1	140.1	138.0	138.0
75°	121.8	125.3	128.8	128.8	128.8	127.4	126.0	126.0	124.6	123.9	122.5
77.5°	110.5	114.7	117.6	116.9	116.1	114.7	114.7	112.6	110.5	110.5	109.1
80°	102.1	104.9	107.0	106.3	105.6	103.5	102.8	100.7	99.3	97.1	97.1
82.5°	92.9	96.4	97.8	97.1	95.7	93.6	92.9	91.5	90.1	89.4	88.0
85°	85.2	88.7	89.4	88.0	86.6	85.2	84.5	83.8	83.1	81.7	81.7
87.5°	77.4	81.0	81.0	80.2	78.8	78.1	77.4	76.7	76.0	75.3	74.6
90°	71.1	73.9	73.9	73.2	72.5	71.8	71.1	70.4	69.7	69.0	69.0
92.5°	64.8	67.6	67.6	66.9	66.2	65.5	65.5	64.8	64.1	63.4	62.6
95°	59.1	61.9	61.9	61.9	61.2	60.5	60.5	59.8	59.1	59.1	58.4
97.5°	53.5	56.3	56.3	56.3	55.6	54.9	54.9	54.2	54.2	54.2	53.5
100°	48.6	50.7	51.4	51.4	50.7	50.7	50.7	50.0	50.0	50.0	49.3
102.5°	43.6	45.8	47.2	47.2	47.2	46.5	46.5	46.5	46.5	46.5	45.8
105°	39.4	41.5	42.9	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
107.5°	35.9	38.0	39.4	40.1	40.8	40.8	41.5	41.5	41.5	41.5	41.5
110°	32.4	34.5	36.6	37.3	38.0	38.7	38.7	39.4	38.7	38.7	38.7



TEST NUMBER: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	28.9	31.7	33.1	34.5	35.2	35.9	36.6	36.6	36.6	36.6	36.6
115°	26.0	28.9	30.3	31.7	33.1	33.8	33.8	34.5	34.5	34.5	33.8
117.5°	23.2	26.0	27.5	28.9	29.6	31.0	31.7	31.7	31.7	31.7	31.0
120°	21.1	23.2	24.6	26.0	27.5	28.2	28.9	28.9	28.9	28.9	28.9
122.5°	18.3	20.4	22.5	23.9	24.6	25.3	26.0	26.0	26.0	26.0	26.0
125°	16.2	18.3	19.7	21.1	21.8	23.2	23.2	23.2	23.2	23.2	23.2
127.5°	14.1	16.2	17.6	19.0	19.7	20.4	21.1	21.1	21.1	21.1	21.1
130°	12.0	14.1	15.5	16.9	17.6	18.3	18.3	19.0	19.0	19.0	19.0
132.5°	10.6	12.0	13.4	14.8	15.5	16.2	16.2	16.9	16.9	16.9	16.9
135°	8.4	10.6	11.3	12.7	13.4	14.1	14.1	14.8	14.8	14.8	14.8
137.5°	7.0	8.4	9.9	11.3	12.0	12.0	12.7	12.7	13.4	13.4	13.4
140°	5.6	6.3	8.4	9.2	9.9	10.6	11.3	11.3	11.3	11.3	11.3
142.5°	4.2	5.6	6.3	7.7	8.4	9.2	9.9	9.9	9.9	9.9	9.9
145°	3.5	4.2	4.9	6.3	7.0	7.7	8.4	8.4	8.4	8.4	8.4
147.5°	2.8	3.5	4.2	4.9	5.6	6.3	7.0	7.0	7.0	7.0	7.0
150°	2.1	2.8	3.5	3.5	4.2	4.9	5.6	6.3	6.3	6.3	6.3
152.5°	2.1	2.1	2.8	2.8	3.5	4.2	4.9	4.9	4.9	4.9	4.9
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: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1362.8	1365.6	1364.2	1362.1	1361.4	1364.9	1361.4	1345.2	1351.5	1352.2	1357.2
5°	1360.7	1362.8	1361.4	1360.0	1357.9	1362.1	1357.9	1341.0	1347.3	1348.0	1353.0
7.5°	1374.8	1375.5	1375.5	1372.0	1366.3	1368.4	1362.8	1343.8	1347.3	1347.3	1350.8
10°	1410.0	1411.4	1413.5	1404.3	1397.3	1391.7	1383.9	1360.7	1360.0	1354.4	1354.4
12.5°	1455.7	1452.2	1448.7	1444.5	1438.8	1431.8	1420.5	1393.1	1383.9	1374.8	1365.6
15°	1469.1	1467.7	1467.0	1464.9	1461.4	1459.2	1450.8	1423.3	1410.0	1398.7	1382.5
17.5°	1433.9	1436.7	1445.9	1446.6	1450.8	1459.2	1457.8	1438.8	1426.9	1421.9	1402.2
20°	1370.5	1371.3	1382.5	1387.4	1405.7	1419.8	1430.4	1428.3	1425.5	1431.1	1416.3
22.5°	1294.5	1299.5	1311.4	1319.2	1336.8	1353.0	1369.8	1379.0	1393.8	1417.0	1414.2
25°	1191.0	1197.4	1214.3	1226.9	1251.6	1276.2	1298.7	1314.9	1332.5	1376.9	1391.7
27.5°	1067.2	1077.0	1098.8	1111.5	1146.0	1171.3	1203.7	1235.4	1260.0	1310.7	1341.0
30°	936.9	945.4	968.6	986.2	1015.8	1050.3	1091.1	1136.1	1177.0	1228.4	1266.4
32.5°	815.1	824.3	843.3	858.8	891.9	920.7	965.8	1021.4	1059.4	1130.5	1181.2
35°	708.9	717.3	730.7	744.1	771.5	801.1	839.8	894.0	942.6	1016.5	1080.5
37.5°	634.2	635.6	643.4	651.1	671.5	694.1	724.3	772.2	817.3	896.8	967.2
40°	580.7	580.7	585.0	587.1	596.2	609.6	628.6	665.9	703.2	763.8	849.6
42.5°	547.7	546.2	546.2	547.0	546.2	552.6	563.8	581.4	614.5	664.5	731.4
45°	523.0	520.2	518.1	513.2	510.3	510.3	511.1	517.4	536.4	568.8	623.0
47.5°	495.6	494.9	491.3	485.7	480.8	477.3	471.6	469.5	475.2	493.5	530.1
50°	463.9	460.4	456.8	452.6	447.0	443.5	432.9	433.6	428.7	437.1	456.1
52.5°	417.4	414.6	413.2	409.7	407.6	406.2	397.7	389.3	387.2	388.6	395.6
55°	366.0	367.5	361.8	364.6	363.9	357.6	354.1	347.7	345.6	344.9	348.4
57.5°	312.5	314.0	310.4	313.2	313.2	309.7	307.6	307.6	302.7	298.5	303.4
60°	264.0	261.2	263.3	266.8	266.8	264.7	263.3	263.3	259.7	258.3	261.9
62.5°	224.6	221.7	223.8	227.4	228.1	226.7	225.3	225.3	221.0	221.0	223.8
65°	194.3	195.0	194.3	197.1	197.1	197.8	196.4	195.0	190.1	192.2	191.5
67.5°	172.5	171.8	171.8	174.6	173.9	175.3	173.9	171.8	168.2	165.4	164.7
70°	154.2	153.5	153.5	154.9	155.6	155.6	154.9	153.5	148.5	145.7	143.6
72.5°	138.0	137.3	138.0	138.7	139.4	140.1	139.4	138.0	133.7	130.2	126.7
75°	123.2	122.5	124.6	124.6	125.3	125.3	126.0	125.3	121.8	117.6	113.3
77.5°	108.4	109.1	111.2	111.9	113.3	114.0	114.7	114.7	111.2	107.7	102.1
80°	96.4	97.8	99.3	100.0	101.4	103.5	104.2	104.9	102.1	98.6	92.2
82.5°	88.0	88.7	90.1	90.8	92.9	93.6	94.3	95.7	94.3	90.8	83.8
85°	81.0	81.7	83.1	83.1	84.5	85.9	86.6	87.3	86.6	83.1	76.0
87.5°	74.6	75.3	76.0	76.7	77.4	78.1	78.8	79.5	78.8	75.3	69.0
90°	69.0	69.0	69.7	69.7	70.4	71.1	72.5	72.5	71.8	69.0	62.6
92.5°	62.6	63.4	63.4	64.1	64.8	65.5	66.2	66.2	65.5	62.6	57.0
95°	58.4	58.4	59.1	59.1	59.8	59.8	60.5	60.5	59.8	57.0	51.4
97.5°	53.5	53.5	53.5	53.5	54.2	54.2	54.9	54.9	54.2	51.4	46.5
100°	49.3	49.3	49.3	49.3	49.3	50.0	50.0	50.0	49.3	46.5	41.5
102.5°	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	44.3	42.2	37.3
105°	43.6	43.6	43.6	42.9	42.9	42.9	42.2	42.2	40.1	38.0	33.8
107.5°	40.8	40.8	40.8	40.1	40.1	39.4	38.7	38.7	36.6	34.5	30.3
110°	38.7	38.7	38.7	38.0	37.3	36.6	35.9	35.2	33.1	30.3	26.7





TEST NUMBER: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	36.6	36.6	35.9	35.9	35.2	34.5	33.1	32.4	30.3	27.5	23.9
115°	33.8	33.8	33.8	33.1	32.4	31.7	31.0	29.6	27.5	24.6	21.1
117.5°	31.0	31.0	31.0	30.3	29.6	28.9	28.2	26.7	24.6	21.8	19.0
120°	28.2	28.2	28.2	27.5	26.7	26.0	25.3	23.9	21.8	19.7	16.2
122.5°	26.0	26.0	25.3	24.6	23.9	23.2	22.5	21.1	19.7	16.9	14.1
125°	23.2	23.2	22.5	22.5	21.8	21.1	20.4	19.0	16.9	14.8	12.7
127.5°	21.1	20.4	20.4	20.4	19.7	19.0	17.6	16.9	14.8	12.7	10.6
130°	18.3	18.3	18.3	17.6	17.6	16.9	15.5	14.1	12.7	11.3	9.2
132.5°	16.2	16.2	16.2	16.2	15.5	14.8	13.4	12.7	11.3	9.2	7.7
135°	14.8	14.8	14.1	14.1	13.4	12.7	12.0	10.6	9.2	7.7	6.3
137.5°	12.7	12.7	12.7	12.0	12.0	11.3	9.9	9.2	8.4	7.0	5.6
140°	11.3	11.3	10.6	10.6	9.9	9.9	9.2	7.7	7.0	5.6	4.9
142.5°	9.9	9.9	9.2	9.2	8.4	8.4	7.7	7.0	5.6	4.9	3.5
145°	8.4	8.4	7.7	7.7	7.7	7.0	6.3	5.6	4.9	4.2	3.5
147.5°	7.0	7.0	7.0	6.3	6.3	5.6	5.6	4.9	4.2	3.5	2.8
150°	6.3	6.3	5.6	5.6	5.6	4.9	4.2	4.2	3.5	2.8	2.1
152.5°	4.9	4.9	4.9	4.9	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: P290186

CATALOG NUMBER: 4SSRK-LC-30-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1355.1	1354.4	1360.7	1360.0	1351.5	1364.2	1372.7
5°	1351.5	1350.8	1356.5	1357.9	1348.7	1362.1	1371.3
7.5°	1348.7	1348.0	1354.4	1356.5	1347.3	1359.3	1369.1
10°	1349.4	1345.9	1351.5	1353.0	1344.5	1357.2	1365.6
12.5°	1354.4	1345.9	1348.0	1348.0	1340.3	1351.5	1360.7
15°	1366.3	1348.7	1345.9	1343.8	1333.9	1344.5	1353.7
17.5°	1379.7	1355.8	1345.9	1338.9	1326.9	1336.1	1345.9
20°	1393.1	1363.5	1347.3	1336.1	1319.9	1328.3	1335.4
22.5°	1399.4	1370.5	1348.7	1331.8	1311.4	1315.6	1323.4
25°	1391.0	1367.7	1345.9	1325.5	1300.9	1301.6	1307.9
27.5°	1360.0	1353.7	1339.6	1319.2	1292.4	1288.9	1293.8
30°	1307.2	1324.8	1325.5	1310.7	1282.6	1275.5	1277.6
32.5°	1233.3	1272.7	1295.9	1293.1	1268.5	1258.6	1260.0
35°	1148.1	1197.4	1248.1	1265.0	1247.4	1239.6	1236.8
37.5°	1046.0	1112.2	1179.8	1221.3	1218.5	1213.6	1210.8
40°	933.4	1013.0	1093.2	1159.4	1179.8	1179.8	1181.2
42.5°	813.0	906.0	993.9	1077.7	1125.6	1136.1	1140.4
45°	696.9	790.5	886.2	982.7	1046.7	1079.8	1091.8
47.5°	591.3	685.6	776.4	882.0	967.2	1010.1	1029.1
50°	501.2	571.6	667.3	772.2	865.1	917.9	955.2
52.5°	426.6	481.5	565.3	663.1	756.7	829.2	863.7
55°	363.9	401.2	472.3	556.8	646.2	721.5	761.7
57.5°	311.1	340.7	389.3	459.7	535.0	609.6	652.5
60°	264.7	285.1	318.2	373.8	437.8	501.9	543.4
62.5°	224.6	237.9	259.7	300.6	350.6	400.5	439.3
65°	193.6	199.2	211.2	236.5	274.5	312.5	345.6
67.5°	163.3	166.8	176.0	191.5	210.5	237.9	259.7
70°	140.8	140.8	141.5	150.6	160.5	178.1	193.6
72.5°	122.5	120.4	116.1	118.3	120.4	130.2	140.1
75°	107.7	102.8	95.7	92.9	91.5	92.9	98.6
77.5°	95.0	88.0	79.5	72.5	66.9	64.8	69.7
80°	84.5	76.0	66.2	57.0	47.9	42.9	45.1
82.5°	76.0	65.5	54.9	44.3	33.8	26.7	26.7
85°	66.9	57.0	45.8	34.5	23.9	14.8	13.4
87.5°	60.5	50.0	38.0	27.5	16.9	7.7	4.2
90°	54.2	43.6	32.4	21.8	12.0	3.5	0.0
92.5°	48.6	38.7	28.2	17.6	8.4	2.1	0.0
95°	43.6	34.5	23.9	14.8	7.0	1.4	0.7
97.5°	38.7	30.3	21.1	12.0	4.9	1.4	0.7
100°	35.2	26.7	18.3	9.9	4.2	0.7	0.7
102.5°	31.0	23.9	15.5	8.4	3.5	0.7	0.7
105°	27.5	21.1	13.4	7.0	2.8	0.7	0.7
107.5°	24.6	18.3	12.0	6.3	2.8	0.7	0.7
110°	21.8	16.2	10.6	5.6	2.1	0.7	0.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	19.7	14.1	9.2	4.9	1.4	0.7	0.7
115°	16.9	12.7	7.7	4.2	1.4	0.7	0.7
117.5°	14.8	10.6	7.0	3.5	1.4	0.7	0.7
120°	12.7	9.2	5.6	2.8	0.7	0.7	0.7
122.5°	11.3	7.7	4.9	2.8	0.7	0.7	0.7
125°	9.9	7.0	4.2	2.1	0.7	0.7	0.7
127.5°	8.4	5.6	3.5	1.4	0.7	0.7	0.7
130°	7.0	4.9	2.8	1.4	0.7	0.7	0.7
132.5°	5.6	4.2	2.8	1.4	0.7	0.7	0.7
135°	4.9	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)