

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: P290180

Luminaire Tested: **4SSRK-LC-30-L930-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: P290180
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-L930-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2528.1 lumens
Efficiency: N/A
Efficacy: 123.9 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

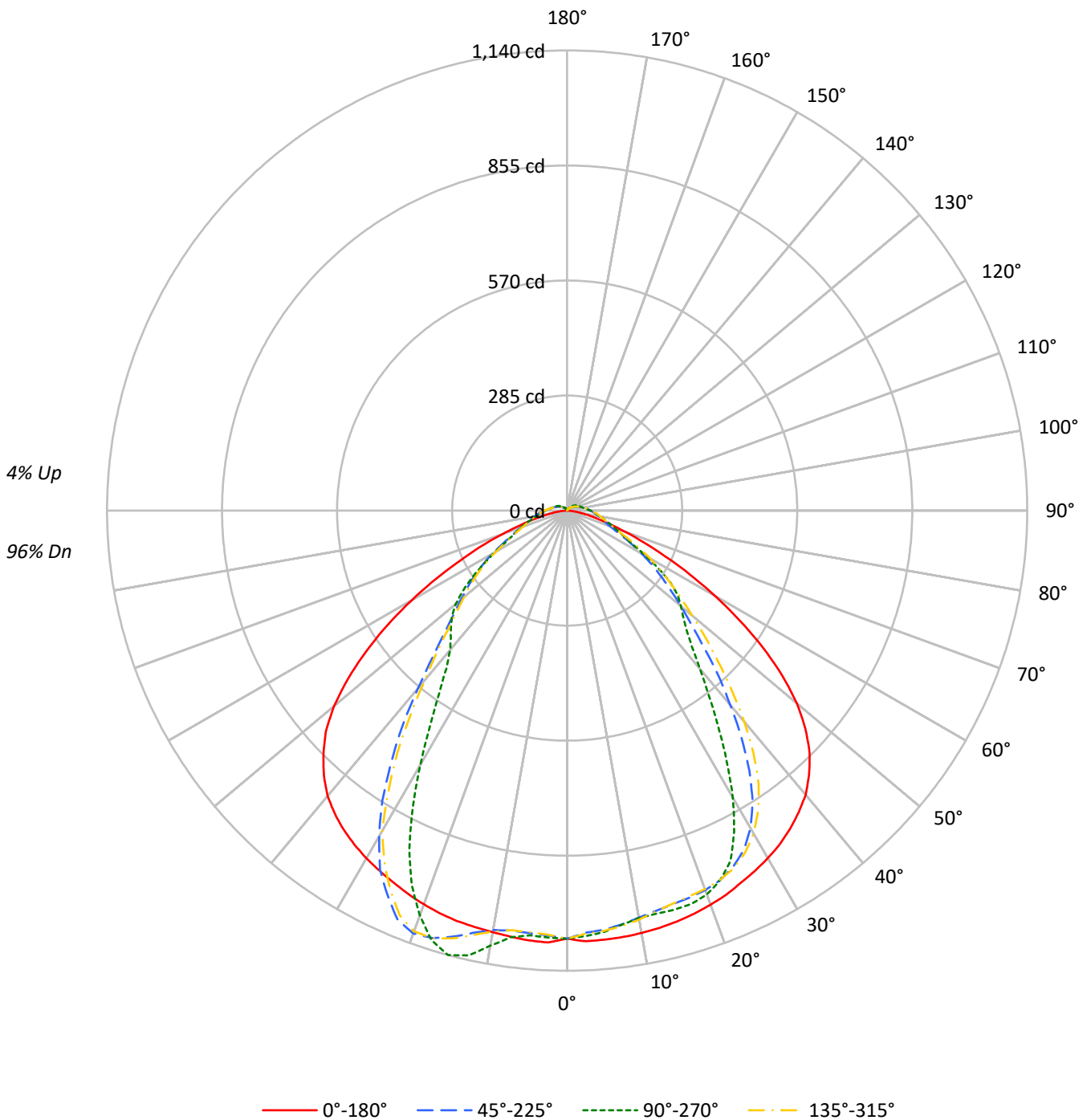
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	68490	68490	68490	68490
5°	68922	50324	69064	50718
10°	69183	39414	69040	42086
15°	69654	33040	69614	36787
20°	70348	28329	70274	29860
25°	71139	23813	71104	23010
30°	72400	18503	72436	16391
35°	73726	13520	73940	11442
40°	74869	9891	75187	8714
45°	74494	7634	74879	7435
50°	71149	6413	72144	6270
55°	62988	5255	64561	4777
60°	50947	3659	53646	3356
65°	37736	2535	40654	2403
70°	25516	1967	28770	1880
75°	16563	1579	19284	1493
80°	10559	1291	12364	1187
85°	5220	1104	6877	1007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	4.0
10°-20°	299.7	11.9
20°-30°	455.6	18.0
30°-40°	488.8	19.3
40°-50°	424.2	16.8
50°-60°	314.4	12.4
60°-70°	180.1	7.1
70°-80°	99.8	3.9
80°-90°	60.7	2.4
90°-100°	39.5	1.6
100°-110°	26.5	1.0
110°-120°	17.9	0.7
120°-130°	11.0	0.4
130°-140°	5.8	0.2
140°-150°	2.6	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	856.1	33.9
0°-40°	1344.9	53.2
0°-60°	2083.5	82.4
0°-90°	2424.1	95.9
90°-120°	83.8	3.3
90°-150°	103.1	4.1
90°-180°	104.0	4.1
0°-180°	2528.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1060	1060	1060	1060	1060	
5°	1067	1048	1069	1056	1067	102
15°	1053	1024	1053	1140	1053	298
25°	1018	958	1017	925	1018	470
35°	962	652	965	552	962	602
45°	850	418	854	407	850	650
55°	593	313	608	285	593	526
65°	269	159	290	151	269	271
75°	77	101	89	95	77	88
85°	10	70	14	64	10	14
90°	0	58	1	54	0	0
95°	0	48	0	46	0	0
105°	0	36	0	34	0	1
115°	0	29	0	26	0	0
125°	0	22	0	18	0	0
135°	0	14	0	12	0	0
145°	0	8	1	7	0	0
155°	1	4	1	3	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°	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	1068.1	1065.4	1064.3	1062.1	1063.8	1070.3	1065.9	1058.8	1059.4	1046.8	1053.4
5°	1067.0	1063.8	1062.1	1059.9	1061.0	1067.0	1062.7	1055.5	1055.0	1042.4	1048.4
7.5°	1065.4	1062.1	1059.4	1057.7	1058.3	1063.2	1057.7	1049.5	1047.9	1034.2	1039.7
10°	1062.7	1060.5	1056.6	1053.9	1053.4	1058.8	1050.1	1041.8	1038.0	1023.8	1029.2
12.5°	1058.8	1055.5	1051.7	1046.8	1046.2	1049.5	1042.4	1030.9	1027.1	1015.6	1021.6
15°	1053.4	1049.5	1045.1	1039.7	1036.9	1039.1	1030.3	1019.9	1019.4	1009.5	1017.7
17.5°	1047.3	1041.8	1036.9	1029.2	1025.4	1027.1	1019.9	1010.6	1011.7	1005.7	1015.0
20°	1039.1	1033.1	1025.4	1017.7	1012.3	1015.0	1010.1	1003.0	1004.6	1000.2	1008.4
22.5°	1029.8	1021.6	1012.3	1003.5	999.1	1003.0	999.1	993.1	993.6	990.9	995.8
25°	1017.7	1008.4	997.5	986.5	984.3	987.1	984.9	980.0	977.8	973.4	975.6
27.5°	1006.8	996.4	982.7	971.2	967.4	972.8	967.9	959.7	953.7	947.6	943.3
30°	994.2	981.6	966.3	953.1	949.8	952.0	944.9	932.3	916.4	908.7	896.7
32.5°	980.5	964.1	944.9	930.1	927.9	926.3	913.1	895.0	870.4	855.1	836.4
35°	962.4	944.3	921.3	903.3	900.0	890.7	869.3	845.2	813.4	787.1	755.4
37.5°	942.2	920.8	896.7	872.6	863.3	844.7	814.5	789.3	741.1	709.4	671.0
40°	919.1	893.4	863.8	834.8	819.5	789.3	754.8	717.6	671.0	628.3	596.0
42.5°	887.4	860.0	824.9	792.6	766.3	726.3	685.8	633.2	590.5	554.3	521.5
45°	849.6	816.7	776.2	737.3	703.9	656.2	608.6	556.0	520.4	478.2	455.7
47.5°	800.8	765.2	722.0	678.7	634.9	582.3	532.4	482.0	446.4	416.3	399.9
50°	743.3	710.5	662.8	611.3	563.1	508.3	458.5	420.7	386.2	367.6	355.0
52.5°	672.1	641.4	592.7	536.8	490.2	436.6	391.1	360.4	335.8	322.1	317.7
55°	592.7	565.8	517.6	465.6	417.9	368.6	334.1	307.3	291.4	283.2	283.7
57.5°	507.8	487.0	441.5	394.9	350.0	312.8	281.6	260.2	248.1	247.6	249.2
60°	422.9	407.5	368.1	328.1	288.7	258.5	235.5	220.7	213.1	213.6	213.1
62.5°	341.8	327.6	299.1	266.2	235.0	214.7	193.9	187.9	181.3	180.8	180.8
65°	269.0	258.0	235.0	211.4	187.9	174.7	164.3	157.2	152.3	151.2	151.7
67.5°	202.1	197.7	181.9	166.0	151.2	143.0	134.2	132.6	128.7	128.7	129.8
70°	150.6	147.3	138.6	129.3	123.2	117.8	113.4	113.4	112.8	112.3	115.0
72.5°	109.0	109.6	106.8	99.7	99.1	98.0	97.0	98.6	99.1	100.8	104.1
75°	76.7	78.3	78.3	77.2	79.4	82.2	83.8	86.5	89.8	92.0	95.9
77.5°	54.2	54.2	57.0	60.3	64.6	69.6	73.9	77.8	82.2	84.9	88.2
80°	35.1	36.7	41.1	47.1	53.1	59.7	65.7	70.7	75.0	79.4	81.6
82.5°	20.8	23.6	29.0	36.7	44.4	52.6	58.6	64.6	69.6	73.9	75.6
85°	10.4	14.2	20.8	29.0	37.2	46.0	53.7	59.2	64.6	68.5	70.7
87.5°	3.3	7.7	14.8	22.5	31.2	40.0	48.2	54.2	59.2	62.4	64.6
90°	0.0	3.8	10.4	18.6	26.8	35.6	43.3	49.8	54.8	57.5	59.2
92.5°	0.0	2.2	8.2	15.3	23.0	31.8	39.4	45.5	49.8	52.6	53.7
95°	0.5	1.6	6.0	12.6	20.3	28.5	35.6	41.1	45.5	48.2	48.8
97.5°	0.5	1.1	4.9	10.4	17.5	25.2	32.3	37.8	41.1	43.8	44.4
100°	0.5	1.1	3.8	9.3	15.3	22.5	29.0	34.0	37.8	40.0	40.5
102.5°	0.5	0.5	3.3	7.7	13.7	19.7	25.7	30.7	34.0	36.2	37.2
105°	0.5	0.5	2.7	6.6	12.1	17.5	23.0	27.9	30.7	32.9	34.0
107.5°	0.5	0.5	2.2	5.5	10.4	15.3	20.8	24.6	27.9	30.1	31.2
110°	0.5	0.5	1.6	4.9	8.8	13.7	18.1	21.9	25.2	27.4	28.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.5	0.5	1.6	4.4	7.7	12.1	15.9	19.7	22.5	24.6	26.3
115°	0.5	0.5	1.6	3.8	7.1	10.4	14.2	17.5	20.3	22.5	24.1
117.5°	0.5	0.5	1.6	3.3	6.0	9.3	12.6	15.9	18.1	20.3	21.9
120°	0.5	0.5	1.1	2.7	5.5	8.2	11.0	13.7	16.4	18.6	20.3
122.5°	0.5	0.5	1.1	2.7	4.4	7.1	9.9	12.1	14.8	16.4	18.1
125°	0.5	0.5	1.1	2.2	3.8	6.6	8.8	11.0	12.6	14.8	16.4
127.5°	0.5	0.5	1.1	2.2	3.3	5.5	7.7	9.9	11.5	13.1	14.2
130°	0.5	0.5	1.1	1.6	2.7	4.4	6.6	8.2	10.4	11.5	12.6
132.5°	0.5	0.5	0.5	1.6	2.2	3.3	4.9	7.1	8.8	10.4	11.0
135°	0.5	0.5	0.5	1.1	2.2	2.7	3.8	5.5	7.1	8.8	9.9
137.5°	0.5	0.5	0.5	1.1	1.6	2.7	3.3	4.4	6.0	7.1	8.8
140°	0.5	0.5	0.5	1.1	1.6	2.2	2.7	3.8	4.9	6.0	7.1
142.5°	0.5	0.5	0.5	1.1	1.1	1.6	2.2	3.3	3.8	4.9	6.0
145°	0.5	0.5	0.5	1.1	1.1	1.6	2.2	2.7	3.3	3.8	4.9
147.5°	0.5	0.5	0.5	1.1	1.1	1.1	1.6	2.2	2.7	3.3	3.8
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	2.2	2.7	3.3
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	2.2	2.7
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	2.2	2.2
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	1051.2	1052.3	1058.8	1058.3	1057.2	1056.1	1056.1	1055.0	1056.1	1058.8	1057.7
5°	1045.7	1047.3	1052.3	1051.7	1050.6	1050.1	1049.5	1047.9	1049.0	1052.8	1051.7
7.5°	1035.8	1037.5	1041.8	1039.7	1038.0	1039.1	1036.4	1034.7	1036.9	1040.8	1040.2
10°	1025.4	1026.5	1032.0	1030.9	1028.2	1028.7	1026.0	1024.9	1027.6	1029.8	1030.3
12.5°	1018.3	1022.1	1027.1	1026.5	1026.0	1026.5	1023.8	1022.7	1024.3	1026.5	1026.0
15°	1016.7	1021.6	1027.1	1027.1	1027.6	1028.2	1025.4	1023.8	1025.4	1027.1	1026.5
17.5°	1015.0	1021.0	1026.0	1025.4	1026.0	1027.1	1022.7	1021.6	1023.8	1026.0	1024.9
20°	1009.5	1015.0	1018.3	1017.2	1017.2	1017.7	1012.3	1012.3	1015.6	1017.2	1017.7
22.5°	994.2	1000.8	1000.8	998.0	998.0	995.8	994.2	990.9	994.7	997.5	999.7
25°	971.2	973.9	970.6	964.6	961.3	958.6	950.9	957.5	957.5	965.7	968.4
27.5°	938.9	932.8	923.5	910.9	908.2	899.4	894.5	896.1	898.9	910.4	919.1
30°	885.7	867.7	851.8	846.3	834.2	825.5	816.7	821.1	826.0	832.6	850.7
32.5°	815.6	798.1	772.3	763.0	750.4	739.5	729.1	735.6	744.4	748.8	768.5
35°	735.1	714.3	690.7	674.8	661.7	655.7	642.5	651.8	661.2	664.4	681.4
37.5°	649.6	628.3	607.5	593.8	581.2	577.3	568.6	575.2	582.3	587.2	601.4
40°	568.6	548.9	533.0	523.7	514.9	511.6	508.3	511.1	516.5	520.4	531.3
42.5°	499.0	483.1	472.2	466.7	460.7	456.3	456.8	457.9	460.7	468.9	473.8
45°	438.2	428.9	421.8	420.7	416.8	416.3	415.8	417.9	419.6	424.5	428.4
47.5°	389.5	385.6	384.0	386.2	387.8	385.6	386.7	389.5	392.7	392.7	392.2
50°	351.1	352.2	354.4	359.3	362.6	363.7	364.8	368.1	368.6	369.7	368.1
52.5°	319.9	321.0	327.0	334.7	338.5	340.2	342.4	345.6	345.6	346.7	344.5
55°	288.1	289.8	295.8	303.5	306.7	308.9	311.1	313.3	315.0	317.2	315.5
57.5°	253.1	258.0	261.8	264.0	266.2	267.9	269.5	270.0	273.3	273.9	276.6
60°	215.8	216.9	220.7	220.2	218.6	222.9	220.7	224.6	228.4	233.3	233.9
62.5°	180.2	180.8	183.5	182.4	184.6	184.0	185.7	185.7	188.4	190.6	193.4
65°	152.3	152.8	155.0	155.0	154.5	156.1	157.8	158.9	158.9	160.5	162.7
67.5°	131.5	133.1	135.3	136.4	137.5	137.5	139.1	139.7	140.8	141.3	142.4
70°	117.2	119.4	121.6	122.7	123.2	124.3	124.9	124.9	126.0	126.5	127.6
72.5°	106.8	109.0	110.6	110.6	111.7	112.3	112.3	112.8	113.4	114.5	115.6
75°	98.0	99.7	100.8	100.2	100.2	100.2	100.8	100.8	101.9	103.0	104.1
77.5°	89.8	91.5	91.5	90.4	90.4	90.4	90.4	90.9	91.5	92.6	93.7
80°	83.8	83.8	83.3	83.3	82.2	81.6	81.6	82.2	82.2	83.3	84.9
82.5°	77.2	77.2	76.7	76.1	75.6	75.0	75.0	75.6	76.1	76.7	77.8
85°	71.2	71.2	70.1	70.1	69.6	69.6	69.6	69.6	70.1	70.7	71.8
87.5°	65.2	64.6	64.1	63.5	63.5	63.5	63.5	63.5	64.1	65.2	65.7
90°	59.2	58.6	58.1	58.1	57.5	57.5	58.1	58.1	58.6	59.2	59.7
92.5°	53.7	53.1	52.6	52.6	52.0	52.0	52.6	52.0	53.1	53.1	53.7
95°	48.8	48.2	47.7	47.7	47.7	47.7	47.7	47.7	48.2	48.2	48.8
97.5°	44.4	43.8	43.3	43.3	43.8	43.3	43.8	43.8	43.8	44.4	44.9
100°	40.5	40.0	40.0	40.5	40.0	40.0	40.5	40.5	40.5	40.5	41.1
102.5°	37.2	37.2	37.2	37.2	37.2	37.2	37.8	37.8	37.8	37.8	38.3
105°	34.0	34.5	34.5	34.5	35.1	35.1	35.1	35.6	35.6	35.6	35.6
107.5°	31.8	32.3	32.3	32.9	32.9	33.4	33.4	33.4	33.4	34.0	34.0
110°	29.6	30.1	30.7	31.2	31.2	31.8	31.8	31.8	31.8	31.8	31.8



TEST NUMBER: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	27.4	27.9	28.5	29.6	30.1	30.1	30.1	30.1	30.7	30.7	30.1
115°	25.2	26.3	26.8	27.9	28.5	28.5	29.0	29.0	29.0	29.0	28.5
117.5°	23.0	24.6	25.2	26.3	26.8	26.8	27.4	27.4	27.4	27.4	26.8
120°	21.4	22.5	23.6	24.1	24.6	25.2	25.2	25.7	25.7	25.7	25.2
122.5°	19.7	20.8	21.9	22.5	23.0	23.6	23.6	23.6	23.6	23.6	23.6
125°	17.5	18.6	19.7	20.3	20.8	21.4	21.4	21.9	21.9	21.9	21.4
127.5°	15.9	17.0	17.5	18.6	19.2	19.2	19.7	19.7	19.7	19.7	19.2
130°	13.7	14.8	15.9	16.4	17.0	17.0	17.5	17.5	17.5	17.5	17.5
132.5°	12.1	13.1	13.7	14.8	14.8	15.3	15.3	15.9	15.9	15.9	15.3
135°	11.0	11.5	12.1	13.1	13.1	13.7	13.7	13.7	13.7	13.7	13.7
137.5°	9.9	10.4	11.0	11.5	11.5	12.1	12.1	12.1	12.1	12.6	12.1
140°	8.2	9.3	9.9	9.9	10.4	10.4	10.4	11.0	11.0	11.0	10.4
142.5°	7.1	7.7	8.2	8.8	9.3	9.3	9.3	9.3	9.9	9.3	9.3
145°	5.5	6.6	7.1	7.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2
147.5°	4.4	4.9	6.0	6.6	6.6	7.1	7.1	7.1	7.1	7.1	7.1
150°	3.8	3.8	4.9	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0
152.5°	2.7	3.3	3.8	4.4	4.9	4.9	4.9	4.9	4.9	4.9	4.9
155°	2.7	2.7	3.3	3.3	3.8	3.8	3.8	3.8	4.4	3.8	3.8
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: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	1056.1	1055.5	1057.7	1055.5	1044.6	1049.0	1047.3	1053.4	1053.9	1055.5	1061.0
5°	1050.6	1050.6	1053.4	1051.2	1040.8	1045.1	1044.6	1050.6	1051.7	1052.8	1058.8
7.5°	1039.7	1040.2	1044.0	1042.4	1031.4	1038.0	1037.5	1044.6	1046.8	1049.0	1054.4
10°	1029.2	1028.7	1033.1	1031.4	1021.0	1028.7	1028.2	1035.3	1038.6	1042.4	1049.0
12.5°	1023.8	1022.1	1023.8	1022.1	1010.6	1016.7	1017.2	1025.4	1029.2	1034.2	1041.8
15°	1023.8	1021.0	1021.0	1017.7	1004.6	1008.4	1009.0	1014.5	1019.4	1024.3	1033.6
17.5°	1022.7	1019.9	1019.4	1016.7	1002.4	1002.4	1001.9	1005.7	1008.4	1013.4	1023.2
20°	1016.7	1015.6	1015.0	1013.4	1000.2	998.0	996.9	996.9	998.6	1000.2	1010.1
22.5°	1000.8	1001.9	1003.0	1004.1	993.6	989.8	990.4	989.3	987.6	987.6	995.8
25°	971.2	976.7	981.0	986.0	980.0	977.2	980.5	978.9	976.1	973.9	981.0
27.5°	924.1	935.6	944.9	956.9	957.5	955.3	964.1	963.0	962.4	959.1	964.6
30°	858.9	877.0	889.6	907.1	921.9	924.1	938.9	941.1	943.3	941.6	947.1
32.5°	780.0	804.7	826.0	853.4	867.7	880.3	901.1	909.8	918.6	921.3	927.4
35°	694.0	722.0	747.2	777.3	799.7	827.1	852.3	865.5	885.2	892.9	901.6
37.5°	612.4	638.7	663.3	693.5	729.6	758.1	789.3	818.9	845.7	856.7	869.9
40°	540.1	561.5	585.0	611.3	644.2	681.4	715.4	756.5	788.2	810.1	829.3
42.5°	485.3	495.7	516.0	539.5	565.8	603.6	638.1	684.2	722.5	753.7	785.5
45°	436.6	441.5	456.3	468.9	495.7	529.1	565.8	610.8	650.7	690.7	729.1
47.5°	394.9	401.0	408.1	415.8	434.9	462.9	494.6	535.2	575.2	621.7	665.5
50°	367.0	368.6	369.7	373.0	384.5	403.7	429.4	464.0	502.3	552.1	598.7
52.5°	342.4	342.4	339.1	337.4	341.8	353.9	368.6	393.3	432.7	478.7	528.0
55°	316.1	311.1	310.0	304.6	305.7	311.1	318.3	337.4	369.7	409.2	456.8
57.5°	279.4	277.2	277.2	275.0	270.6	273.3	275.0	288.7	311.7	345.6	387.3
60°	237.2	236.1	238.8	239.4	235.5	237.2	236.6	244.9	261.3	288.7	323.2
62.5°	195.0	199.9	200.5	202.7	200.5	199.9	202.7	209.8	218.0	238.8	265.7
65°	163.8	166.5	167.1	169.8	168.7	168.7	170.9	176.4	181.3	195.6	216.4
67.5°	143.5	142.4	143.0	144.6	143.0	142.4	144.1	147.3	151.2	159.9	174.7
70°	127.6	126.5	126.5	126.5	124.3	122.7	123.2	124.3	126.0	130.9	140.2
72.5°	115.6	115.6	113.9	112.3	110.6	109.6	108.5	107.4	106.8	108.5	113.4
75°	104.6	105.2	104.6	103.0	100.8	98.6	96.4	94.2	91.5	90.4	90.9
77.5°	94.8	95.3	95.9	95.3	93.1	90.4	87.1	83.8	80.0	76.1	73.9
80°	86.0	87.1	87.6	87.1	85.5	83.3	79.4	75.6	70.1	65.2	59.7
82.5°	78.3	80.0	80.5	80.5	79.4	77.2	72.9	68.5	62.4	55.9	48.8
85°	72.3	73.4	74.5	74.5	73.9	71.8	67.4	62.4	56.4	48.8	41.1
87.5°	66.3	66.8	67.9	69.0	67.9	65.7	61.9	56.4	50.4	42.7	34.0
90°	60.3	60.8	61.9	63.0	62.4	60.3	57.0	52.0	45.5	37.2	28.5
92.5°	54.2	55.3	55.9	56.4	57.0	55.3	52.6	47.7	41.1	32.9	24.6
95°	49.8	49.8	50.9	51.5	52.0	50.4	48.2	43.3	37.2	29.6	21.4
97.5°	45.5	45.5	46.6	46.6	47.1	46.0	43.8	39.4	33.4	26.3	18.1
100°	41.1	41.6	42.2	42.7	42.7	42.2	40.0	35.6	30.1	23.6	15.9
102.5°	38.3	38.3	38.9	38.9	39.4	38.3	36.2	32.3	26.8	20.8	13.7
105°	35.6	35.6	36.2	36.2	35.6	34.5	32.3	29.0	24.1	18.1	12.1
107.5°	33.4	33.4	33.4	33.4	32.9	31.8	29.6	25.7	21.4	16.4	11.0
110°	31.8	31.2	31.2	30.7	30.1	28.5	26.3	23.0	19.2	14.2	9.3



TEST NUMBER: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	30.1	29.6	29.0	28.5	27.4	25.7	23.6	20.8	17.0	12.6	8.2
115°	28.5	27.9	27.4	26.3	25.2	23.6	21.4	18.6	14.8	11.0	7.1
117.5°	26.8	26.3	25.2	24.1	23.0	21.4	19.2	16.4	13.1	9.9	6.6
120°	24.6	24.1	23.6	22.5	21.4	19.2	17.0	14.8	11.5	8.8	5.5
122.5°	23.0	22.5	21.4	20.8	19.2	17.5	15.3	13.1	10.4	7.7	4.9
125°	20.8	20.3	19.7	18.6	17.5	15.3	13.7	11.5	9.3	6.6	3.8
127.5°	19.2	18.6	17.5	16.4	15.3	13.7	12.1	10.4	8.2	5.5	3.8
130°	17.0	16.4	15.9	14.8	13.7	12.1	11.0	8.8	7.1	4.9	3.3
132.5°	14.8	14.8	14.2	13.1	12.1	11.0	9.3	7.7	6.0	4.4	2.7
135°	13.7	13.1	12.6	11.5	11.0	9.3	8.2	6.6	4.9	3.8	2.2
137.5°	12.1	11.5	11.0	10.4	9.3	8.2	7.1	5.5	4.4	3.3	2.2
140°	10.4	9.9	9.9	8.8	8.2	7.1	6.0	4.9	3.8	2.7	1.6
142.5°	9.3	8.8	8.2	7.7	7.1	6.0	4.9	3.8	3.3	2.2	1.6
145°	8.2	7.7	7.1	6.6	6.0	4.9	4.4	3.3	2.7	2.2	1.6
147.5°	6.6	6.6	6.0	5.5	4.9	4.4	3.8	3.3	2.2	1.6	1.1
150°	5.5	5.5	4.9	4.4	4.4	3.8	3.3	2.7	2.2	1.6	1.1
152.5°	4.9	4.4	4.4	3.8	3.8	3.3	2.7	2.2	1.6	1.6	1.1
155°	3.8	3.8	3.8	3.3	3.3	2.7	2.2	2.2	1.6	1.1	1.1
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: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	1062.1	1055.5	1061.0	1070.9	1069.8	1068.7	1067.6	1069.8	1076.9	1073.1	1067.0
5°	1060.5	1053.9	1059.9	1069.2	1068.7	1067.0	1065.9	1068.1	1075.3	1071.4	1064.9
7.5°	1057.2	1051.2	1055.5	1064.9	1064.9	1063.8	1062.7	1064.9	1071.4	1068.1	1061.6
10°	1051.7	1047.3	1051.7	1060.5	1061.0	1058.8	1057.7	1060.5	1067.0	1065.4	1059.9
12.5°	1047.3	1042.9	1047.9	1056.6	1057.2	1055.0	1053.4	1056.6	1065.4	1066.5	1064.9
15°	1041.3	1037.5	1043.5	1052.8	1052.8	1051.2	1051.2	1055.5	1067.6	1072.5	1075.3
17.5°	1032.5	1029.8	1036.9	1046.2	1046.8	1045.7	1046.2	1055.0	1070.9	1082.9	1090.6
20°	1021.6	1020.5	1028.2	1038.0	1039.7	1040.2	1042.9	1056.1	1078.0	1094.4	1102.1
22.5°	1008.4	1009.0	1017.7	1028.2	1030.3	1032.0	1037.5	1056.1	1083.5	1101.0	1104.3
25°	993.6	995.3	1004.6	1017.2	1019.9	1023.2	1032.5	1056.6	1085.1	1096.6	1091.1
27.5°	977.8	981.0	993.1	1006.2	1009.5	1015.0	1027.1	1053.4	1077.5	1078.0	1057.7
30°	961.3	965.2	979.4	994.7	1000.2	1005.7	1020.5	1045.7	1058.8	1041.3	1005.7
32.5°	942.7	948.2	962.4	981.0	987.6	994.7	1009.5	1030.9	1026.0	988.2	937.2
35°	919.1	926.8	943.3	965.2	971.2	980.5	990.9	995.8	973.9	920.2	862.7
37.5°	890.1	901.6	920.8	946.0	952.6	958.6	961.3	947.6	903.8	845.7	786.0
40°	856.7	874.2	895.0	923.0	929.6	929.6	919.7	890.7	835.3	759.2	692.9
42.5°	816.2	837.5	863.8	891.8	898.3	890.7	867.1	816.2	753.2	668.3	598.2
45°	766.9	795.4	824.9	854.0	857.3	840.3	798.1	733.5	655.7	576.8	510.0
47.5°	708.3	745.5	777.8	810.7	806.3	777.8	721.4	648.0	565.8	491.3	437.7
50°	642.5	686.3	722.5	753.7	744.4	705.0	638.7	562.0	480.4	416.8	372.5
52.5°	572.4	622.8	659.0	684.2	671.6	624.5	551.6	478.2	411.4	353.3	323.7
55°	499.6	550.5	587.8	607.5	591.0	540.1	468.3	401.5	338.5	300.7	283.2
57.5°	428.9	476.6	511.6	527.5	506.7	455.7	389.5	333.0	287.6	255.8	247.0
60°	361.0	399.9	433.3	445.3	422.9	375.8	318.8	273.9	240.5	218.6	214.2
62.5°	298.0	329.8	356.0	365.4	343.4	306.7	257.4	224.0	200.5	189.5	184.0
65°	245.9	264.6	291.4	289.8	276.6	242.7	206.5	183.0	167.6	160.5	157.2
67.5°	193.4	210.3	227.3	229.5	213.1	189.5	166.0	149.0	140.8	136.9	135.3
70°	149.5	162.1	172.5	169.8	161.0	146.3	131.5	122.2	118.9	117.2	117.2
72.5°	116.1	122.7	127.6	124.3	118.9	111.2	104.1	100.2	100.8	101.9	103.0
75°	89.8	91.5	92.6	89.3	88.2	83.3	82.7	83.3	86.5	89.8	91.5
77.5°	69.0	66.8	65.2	61.9	62.4	61.9	64.6	69.0	73.9	78.9	83.3
80°	53.1	48.2	44.4	41.1	42.7	45.5	50.9	57.5	64.1	69.6	75.0
82.5°	41.1	34.0	28.5	25.2	28.5	32.9	40.0	48.2	55.9	61.9	67.9
85°	31.8	23.6	17.0	13.7	17.0	23.6	31.2	40.5	48.8	55.3	61.3
87.5°	24.6	17.0	9.3	5.5	9.3	16.4	25.2	34.0	42.2	49.8	55.9
90°	19.7	11.5	4.4	1.1	4.9	11.5	19.7	28.5	36.7	44.9	50.9
92.5°	15.9	8.2	2.2	0.0	2.7	8.8	16.4	24.6	32.9	40.5	46.6
95°	13.1	6.6	1.6	0.0	2.2	6.6	13.1	21.4	29.0	36.7	41.6
97.5°	11.0	4.9	1.1	0.0	1.1	5.5	11.0	18.1	25.7	32.9	37.8
100°	9.3	4.4	1.1	0.0	1.1	4.4	9.3	15.9	22.5	29.0	34.0
102.5°	7.7	3.3	0.5	0.5	0.5	3.3	8.2	13.7	19.7	25.7	30.7
105°	7.1	2.7	0.5	0.5	0.5	2.7	7.1	12.1	17.5	23.0	27.4
107.5°	6.0	2.2	0.5	0.5	0.5	2.2	6.0	10.4	15.9	20.8	24.6
110°	4.9	2.2	0.5	0.5	0.5	2.2	4.9	9.3	13.7	18.1	21.9



TEST NUMBER: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	4.4	1.6	0.5	0.5	0.5	1.6	4.4	8.2	12.1	16.4	19.7
115°	3.8	1.6	0.5	0.5	0.5	1.6	3.8	7.1	10.4	14.2	17.5
117.5°	3.3	1.6	0.5	0.5	0.5	1.1	3.3	6.0	9.3	12.6	15.9
120°	2.7	1.1	0.5	0.5	0.5	1.1	2.7	5.5	8.2	11.0	13.7
122.5°	2.7	1.1	0.5	0.5	0.5	1.1	2.2	4.4	7.1	9.3	12.1
125°	2.2	1.1	0.5	0.5	0.5	0.5	2.2	3.8	6.0	8.2	10.4
127.5°	2.2	1.1	0.5	0.5	0.5	0.5	1.6	3.3	4.9	7.1	9.3
130°	1.6	1.1	0.5	0.5	0.5	0.5	1.1	2.7	4.4	6.0	7.7
132.5°	1.6	1.1	0.5	0.5	0.5	0.5	1.1	2.2	3.3	4.9	6.6
135°	1.6	0.5	0.5	0.5	0.5	0.5	0.5	1.6	2.7	3.8	4.9
137.5°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	2.2	2.7	4.4
140°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6	2.2	3.3
142.5°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6	2.7
145°	1.1	0.5	0.5	1.1	1.1	0.5	0.5	1.1	1.1	1.6	2.2
147.5°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.6
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	1065.9	1053.4	1059.9	1057.7	1059.9	1065.4	1064.9	1063.2	1064.3	1061.6	1058.8
5°	1063.8	1051.2	1057.7	1055.0	1057.7	1063.2	1062.1	1060.5	1062.1	1058.8	1056.1
7.5°	1061.0	1049.5	1057.2	1056.6	1061.6	1068.7	1069.2	1069.2	1073.1	1068.1	1065.9
10°	1061.0	1055.0	1065.4	1069.2	1081.8	1091.1	1092.2	1094.4	1101.0	1099.9	1094.4
12.5°	1072.5	1071.4	1086.8	1096.1	1107.6	1120.7	1127.8	1130.0	1134.4	1131.1	1128.9
15°	1087.3	1092.8	1109.8	1120.2	1132.8	1142.6	1144.3	1145.4	1148.7	1143.7	1139.9
17.5°	1107.0	1110.3	1124.0	1128.4	1136.6	1138.3	1136.1	1130.6	1130.6	1119.6	1116.3
20°	1116.3	1114.7	1120.2	1113.1	1109.8	1099.9	1090.6	1080.2	1079.6	1068.1	1067.0
22.5°	1108.1	1097.2	1085.7	1068.1	1060.5	1046.2	1033.6	1027.6	1023.8	1009.0	1005.1
25°	1079.1	1052.3	1035.3	1014.5	995.8	979.4	967.4	954.8	942.7	930.7	925.2
27.5°	1028.7	1003.5	976.1	947.1	921.3	896.1	875.9	863.3	851.8	835.9	827.7
30°	966.8	931.7	901.6	873.7	831.5	800.8	783.9	758.7	749.9	742.8	727.4
32.5°	894.0	851.8	810.7	772.9	729.6	701.1	678.7	660.1	654.6	636.0	631.6
35°	813.4	758.1	711.5	674.3	643.1	608.6	589.9	577.3	566.4	553.8	551.6
37.5°	718.7	668.8	616.2	583.4	558.7	529.1	514.9	506.1	501.2	491.9	490.2
40°	623.4	573.5	537.4	504.5	489.2	473.3	462.9	459.0	456.8	453.5	450.3
42.5°	536.8	493.0	467.2	445.3	438.8	431.1	428.4	430.5	428.4	427.3	426.7
45°	463.4	430.0	411.9	405.3	403.7	401.5	403.7	407.5	408.1	407.0	407.0
47.5°	396.6	380.7	373.0	374.1	376.9	378.5	382.3	387.3	388.4	385.6	386.7
50°	352.8	343.4	341.8	346.2	352.2	354.4	358.8	362.6	362.1	361.0	359.9
52.5°	311.7	308.9	313.3	317.7	324.3	325.4	327.0	328.7	328.1	325.9	324.8
55°	277.2	279.4	283.2	284.8	289.8	289.2	289.8	289.8	287.6	286.5	284.8
57.5°	245.9	246.5	248.7	249.2	252.0	250.9	250.3	249.2	245.9	245.4	243.8
60°	214.2	213.1	218.0	214.2	216.4	214.2	213.6	210.9	207.6	207.1	206.0
62.5°	184.0	181.9	185.1	183.5	184.6	182.4	181.3	178.0	175.3	174.7	174.2
65°	157.2	156.1	159.4	158.9	159.9	157.2	156.1	153.9	151.7	151.2	150.6
67.5°	134.8	137.5	139.1	139.1	140.2	139.7	136.9	136.4	135.8	133.7	133.7
70°	118.3	120.0	123.2	123.8	123.2	124.3	122.2	121.6	121.1	120.0	119.4
72.5°	105.2	107.4	110.6	111.2	110.6	110.6	109.6	109.0	109.0	107.4	107.4
75°	94.8	97.5	100.2	100.2	100.2	99.1	98.0	98.0	97.0	96.4	95.3
77.5°	86.0	89.3	91.5	90.9	90.4	89.3	89.3	87.6	86.0	86.0	84.9
80°	79.4	81.6	83.3	82.7	82.2	80.5	80.0	78.3	77.2	75.6	75.6
82.5°	72.3	75.0	76.1	75.6	74.5	72.9	72.3	71.2	70.1	69.6	68.5
85°	66.3	69.0	69.6	68.5	67.4	66.3	65.7	65.2	64.6	63.5	63.5
87.5°	60.3	63.0	63.0	62.4	61.3	60.8	60.3	59.7	59.2	58.6	58.1
90°	55.3	57.5	57.5	57.0	56.4	55.9	55.3	54.8	54.2	53.7	53.7
92.5°	50.4	52.6	52.6	52.0	51.5	50.9	50.9	50.4	49.8	49.3	48.8
95°	46.0	48.2	48.2	48.2	47.7	47.1	47.1	46.6	46.0	46.0	45.5
97.5°	41.6	43.8	43.8	43.8	43.3	42.7	42.7	42.2	42.2	42.2	41.6
100°	37.8	39.4	40.0	40.0	39.4	39.4	39.4	38.9	38.9	38.9	38.3
102.5°	34.0	35.6	36.7	36.7	36.7	36.2	36.2	36.2	36.2	36.2	35.6
105°	30.7	32.3	33.4	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
107.5°	27.9	29.6	30.7	31.2	31.8	31.8	32.3	32.3	32.3	32.3	32.3
110°	25.2	26.8	28.5	29.0	29.6	30.1	30.1	30.7	30.1	30.1	30.1



TEST NUMBER: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	22.5	24.6	25.7	26.8	27.4	27.9	28.5	28.5	28.5	28.5	28.5
115°	20.3	22.5	23.6	24.6	25.7	26.3	26.3	26.8	26.8	26.8	26.3
117.5°	18.1	20.3	21.4	22.5	23.0	24.1	24.6	24.6	24.6	24.6	24.1
120°	16.4	18.1	19.2	20.3	21.4	21.9	22.5	22.5	22.5	22.5	22.5
122.5°	14.2	15.9	17.5	18.6	19.2	19.7	20.3	20.3	20.3	20.3	20.3
125°	12.6	14.2	15.3	16.4	17.0	18.1	18.1	18.1	18.1	18.1	18.1
127.5°	11.0	12.6	13.7	14.8	15.3	15.9	16.4	16.4	16.4	16.4	16.4
130°	9.3	11.0	12.1	13.1	13.7	14.2	14.2	14.8	14.8	14.8	14.8
132.5°	8.2	9.3	10.4	11.5	12.1	12.6	12.6	13.1	13.1	13.1	13.1
135°	6.6	8.2	8.8	9.9	10.4	11.0	11.0	11.5	11.5	11.5	11.5
137.5°	5.5	6.6	7.7	8.8	9.3	9.3	9.9	9.9	10.4	10.4	10.4
140°	4.4	4.9	6.6	7.1	7.7	8.2	8.8	8.8	8.8	8.8	8.8
142.5°	3.3	4.4	4.9	6.0	6.6	7.1	7.7	7.7	7.7	7.7	7.7
145°	2.7	3.3	3.8	4.9	5.5	6.0	6.6	6.6	6.6	6.6	6.6
147.5°	2.2	2.7	3.3	3.8	4.4	4.9	5.5	5.5	5.5	5.5	5.5
150°	1.6	2.2	2.7	2.7	3.3	3.8	4.4	4.9	4.9	4.9	4.9
152.5°	1.6	1.6	2.2	2.2	2.7	3.3	3.8	3.8	3.8	3.8	3.8
155°	1.1	1.6	1.6	1.6	2.2	2.2	2.7	3.3	3.3	3.3	3.3
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: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	1060.5	1062.7	1061.6	1059.9	1059.4	1062.1	1059.4	1046.8	1051.7	1052.3	1056.1
5°	1058.8	1060.5	1059.4	1058.3	1056.6	1059.9	1056.6	1043.5	1048.4	1049.0	1052.8
7.5°	1069.8	1070.3	1070.3	1067.6	1063.2	1064.9	1060.5	1045.7	1048.4	1048.4	1051.2
10°	1097.2	1098.3	1099.9	1092.8	1087.3	1082.9	1076.9	1058.8	1058.3	1053.9	1053.9
12.5°	1132.8	1130.0	1127.3	1124.0	1119.6	1114.2	1105.4	1084.0	1076.9	1069.8	1062.7
15°	1143.2	1142.1	1141.5	1139.9	1137.2	1135.5	1128.9	1107.6	1097.2	1088.4	1075.8
17.5°	1115.8	1118.0	1125.1	1125.7	1128.9	1135.5	1134.4	1119.6	1110.3	1106.5	1091.1
20°	1066.5	1067.0	1075.8	1079.6	1093.9	1104.8	1113.1	1111.4	1109.2	1113.6	1102.1
22.5°	1007.3	1011.2	1020.5	1026.5	1040.2	1052.8	1065.9	1073.1	1084.6	1102.7	1100.5
25°	926.8	931.7	944.9	954.8	973.9	993.1	1010.6	1023.2	1036.9	1071.4	1082.9
27.5°	830.4	838.1	855.1	864.9	891.8	911.5	936.7	961.3	980.5	1019.9	1043.5
30°	729.1	735.6	753.7	767.4	790.4	817.3	849.0	884.1	915.9	955.8	985.4
32.5°	634.3	641.4	656.2	668.3	694.0	716.5	751.5	794.8	824.4	879.7	919.1
35°	551.6	558.2	568.6	579.0	600.3	623.4	653.5	695.7	733.5	791.0	840.8
37.5°	493.5	494.6	500.7	506.7	522.6	540.1	563.6	600.9	636.0	697.9	752.6
40°	451.9	451.9	455.2	456.8	464.0	474.4	489.2	518.2	547.2	594.3	661.2
42.5°	426.2	425.1	425.1	425.6	425.1	430.0	438.8	452.5	478.2	517.1	569.1
45°	407.0	404.8	403.2	399.3	397.1	397.1	397.7	402.6	417.4	442.6	484.8
47.5°	385.6	385.1	382.3	378.0	374.1	371.4	367.0	365.4	369.7	384.0	412.5
50°	361.0	358.2	355.5	352.2	347.8	345.1	336.9	337.4	333.6	340.2	355.0
52.5°	324.8	322.6	321.5	318.8	317.2	316.1	309.5	302.9	301.3	302.4	307.8
55°	284.8	285.9	281.6	283.7	283.2	278.3	275.5	270.6	269.0	268.4	271.1
57.5°	243.2	244.3	241.6	243.8	243.8	241.0	239.4	239.4	235.5	232.3	236.1
60°	205.4	203.2	204.9	207.6	207.6	206.0	204.9	204.9	202.1	201.0	203.8
62.5°	174.7	172.5	174.2	176.9	177.5	176.4	175.3	175.3	172.0	172.0	174.2
65°	151.2	151.7	151.2	153.4	153.4	153.9	152.8	151.7	147.9	149.5	149.0
67.5°	134.2	133.7	133.7	135.8	135.3	136.4	135.3	133.7	130.9	128.7	128.2
70°	120.0	119.4	119.4	120.5	121.1	121.1	120.5	119.4	115.6	113.4	111.7
72.5°	107.4	106.8	107.4	107.9	108.5	109.0	108.5	107.4	104.1	101.3	98.6
75°	95.9	95.3	97.0	97.0	97.5	97.5	98.0	97.5	94.8	91.5	88.2
77.5°	84.4	84.9	86.5	87.1	88.2	88.7	89.3	89.3	86.5	83.8	79.4
80°	75.0	76.1	77.2	77.8	78.9	80.5	81.1	81.6	79.4	76.7	71.8
82.5°	68.5	69.0	70.1	70.7	72.3	72.9	73.4	74.5	73.4	70.7	65.2
85°	63.0	63.5	64.6	64.6	65.7	66.8	67.4	67.9	67.4	64.6	59.2
87.5°	58.1	58.6	59.2	59.7	60.3	60.8	61.3	61.9	61.3	58.6	53.7
90°	53.7	53.7	54.2	54.2	54.8	55.3	56.4	56.4	55.9	53.7	48.8
92.5°	48.8	49.3	49.3	49.8	50.4	50.9	51.5	51.5	50.9	48.8	44.4
95°	45.5	45.5	46.0	46.0	46.6	46.6	47.1	47.1	46.6	44.4	40.0
97.5°	41.6	41.6	41.6	41.6	42.2	42.2	42.7	42.7	42.2	40.0	36.2
100°	38.3	38.3	38.3	38.3	38.3	38.9	38.9	38.9	38.3	36.2	32.3
102.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	34.5	32.9	29.0
105°	34.0	34.0	34.0	33.4	33.4	33.4	32.9	32.9	31.2	29.6	26.3
107.5°	31.8	31.8	31.8	31.2	31.2	30.7	30.1	30.1	28.5	26.8	23.6
110°	30.1	30.1	30.1	29.6	29.0	28.5	27.9	27.4	25.7	23.6	20.8



TEST NUMBER: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	28.5	28.5	27.9	27.9	27.4	26.8	25.7	25.2	23.6	21.4	18.6
115°	26.3	26.3	26.3	25.7	25.2	24.6	24.1	23.0	21.4	19.2	16.4
117.5°	24.1	24.1	24.1	23.6	23.0	22.5	21.9	20.8	19.2	17.0	14.8
120°	21.9	21.9	21.9	21.4	20.8	20.3	19.7	18.6	17.0	15.3	12.6
122.5°	20.3	20.3	19.7	19.2	18.6	18.1	17.5	16.4	15.3	13.1	11.0
125°	18.1	18.1	17.5	17.5	17.0	16.4	15.9	14.8	13.1	11.5	9.9
127.5°	16.4	15.9	15.9	15.9	15.3	14.8	13.7	13.1	11.5	9.9	8.2
130°	14.2	14.2	14.2	13.7	13.7	13.1	12.1	11.0	9.9	8.8	7.1
132.5°	12.6	12.6	12.6	12.6	12.1	11.5	10.4	9.9	8.8	7.1	6.0
135°	11.5	11.5	11.0	11.0	10.4	9.9	9.3	8.2	7.1	6.0	4.9
137.5°	9.9	9.9	9.9	9.3	9.3	8.8	7.7	7.1	6.6	5.5	4.4
140°	8.8	8.8	8.2	8.2	7.7	7.7	7.1	6.0	5.5	4.4	3.8
142.5°	7.7	7.7	7.1	7.1	6.6	6.6	6.0	5.5	4.4	3.8	2.7
145°	6.6	6.6	6.0	6.0	6.0	5.5	4.9	4.4	3.8	3.3	2.7
147.5°	5.5	5.5	5.5	4.9	4.9	4.4	4.4	3.8	3.3	2.7	2.2
150°	4.9	4.9	4.4	4.4	4.4	3.8	3.3	3.3	2.7	2.2	1.6
152.5°	3.8	3.8	3.8	3.8	3.3	3.3	2.7	2.7	2.2	1.6	1.6
155°	3.3	3.3	3.3	2.7	2.7	2.7	2.2	2.2	1.6	1.6	1.1
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: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5	1060.5
2.5°	1054.4	1053.9	1058.8	1058.3	1051.7	1061.6	1068.1
5°	1051.7	1051.2	1055.5	1056.6	1049.5	1059.9	1067.0
7.5°	1049.5	1049.0	1053.9	1055.5	1048.4	1057.7	1065.4
10°	1050.1	1047.3	1051.7	1052.8	1046.2	1056.1	1062.7
12.5°	1053.9	1047.3	1049.0	1049.0	1042.9	1051.7	1058.8
15°	1063.2	1049.5	1047.3	1045.7	1038.0	1046.2	1053.4
17.5°	1073.6	1055.0	1047.3	1041.8	1032.5	1039.7	1047.3
20°	1084.0	1061.0	1048.4	1039.7	1027.1	1033.6	1039.1
22.5°	1089.0	1066.5	1049.5	1036.4	1020.5	1023.8	1029.8
25°	1082.4	1064.3	1047.3	1031.4	1012.3	1012.8	1017.7
27.5°	1058.3	1053.4	1042.4	1026.5	1005.7	1003.0	1006.8
30°	1017.2	1030.9	1031.4	1019.9	998.0	992.5	994.2
32.5°	959.7	990.4	1008.4	1006.2	987.1	979.4	980.5
35°	893.4	931.7	971.2	984.3	970.6	964.6	962.4
37.5°	814.0	865.5	918.1	950.4	948.2	944.3	942.2
40°	726.3	788.2	850.7	902.2	918.1	918.1	919.1
42.5°	632.7	705.0	773.4	838.6	875.9	884.1	887.4
45°	542.3	615.1	689.6	764.7	814.5	840.3	849.6
47.5°	460.1	533.5	604.2	686.3	752.6	786.0	800.8
50°	390.0	444.8	519.3	600.9	673.2	714.3	743.3
52.5°	331.9	374.7	439.9	516.0	588.8	645.3	672.1
55°	283.2	312.2	367.6	433.3	502.8	561.5	592.7
57.5°	242.1	265.1	302.9	357.7	416.3	474.4	507.8
60°	206.0	221.8	247.6	290.9	340.7	390.6	422.9
62.5°	174.7	185.1	202.1	233.9	272.8	311.7	341.8
65°	150.6	155.0	164.3	184.0	213.6	243.2	269.0
67.5°	127.1	129.8	136.9	149.0	163.8	185.1	202.1
70°	109.6	109.6	110.1	117.2	124.9	138.6	150.6
72.5°	95.3	93.7	90.4	92.0	93.7	101.3	109.0
75°	83.8	80.0	74.5	72.3	71.2	72.3	76.7
77.5°	73.9	68.5	61.9	56.4	52.0	50.4	54.2
80°	65.7	59.2	51.5	44.4	37.2	33.4	35.1
82.5°	59.2	50.9	42.7	34.5	26.3	20.8	20.8
85°	52.0	44.4	35.6	26.8	18.6	11.5	10.4
87.5°	47.1	38.9	29.6	21.4	13.1	6.0	3.3
90°	42.2	34.0	25.2	17.0	9.3	2.7	0.0
92.5°	37.8	30.1	21.9	13.7	6.6	1.6	0.0
95°	34.0	26.8	18.6	11.5	5.5	1.1	0.5
97.5°	30.1	23.6	16.4	9.3	3.8	1.1	0.5
100°	27.4	20.8	14.2	7.7	3.3	0.5	0.5
102.5°	24.1	18.6	12.1	6.6	2.7	0.5	0.5
105°	21.4	16.4	10.4	5.5	2.2	0.5	0.5
107.5°	19.2	14.2	9.3	4.9	2.2	0.5	0.5
110°	17.0	12.6	8.2	4.4	1.6	0.5	0.5



TEST NUMBER: P290180

CATALOG NUMBER: 4SSRK-LC-30-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	15.3	11.0	7.1	3.8	1.1	0.5	0.5
115°	13.1	9.9	6.0	3.3	1.1	0.5	0.5
117.5°	11.5	8.2	5.5	2.7	1.1	0.5	0.5
120°	9.9	7.1	4.4	2.2	0.5	0.5	0.5
122.5°	8.8	6.0	3.8	2.2	0.5	0.5	0.5
125°	7.7	5.5	3.3	1.6	0.5	0.5	0.5
127.5°	6.6	4.4	2.7	1.1	0.5	0.5	0.5
130°	5.5	3.8	2.2	1.1	0.5	0.5	0.5
132.5°	4.4	3.3	2.2	1.1	0.5	0.5	0.5
135°	3.8	2.7	1.6	1.1	0.5	0.5	0.5
137.5°	3.3	2.2	1.1	1.1	1.1	0.5	0.5
140°	2.7	1.6	1.1	1.1	1.1	1.1	0.5
142.5°	2.2	1.6	1.1	1.1	1.1	1.1	0.5
145°	1.6	1.1	1.1	1.1	1.1	1.1	0.5
147.5°	1.6	1.1	1.1	1.1	1.1	1.1	0.5
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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)