

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: P290204

Luminaire Tested: **4SSRK-LC-80-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: P290204
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-80-L930-CD1-U
Description: 8000 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: 6805.0 lumens
Efficiency: N/A
Efficacy: 108.2 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

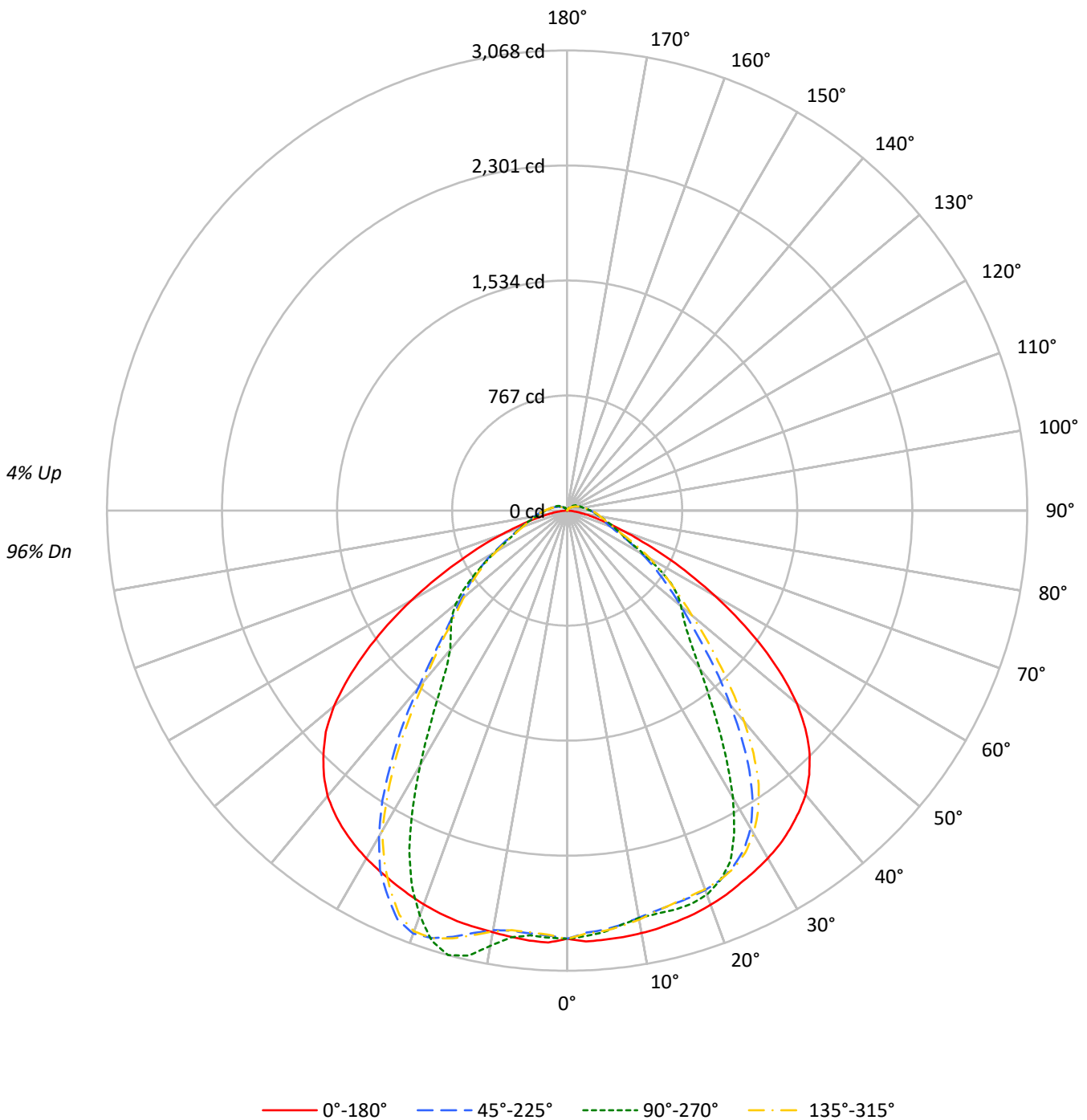
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	184352	184352	184352	184352
5°	185527	135456	185909	136517
10°	186215	106089	185831	113292
15°	187485	88936	187386	99021
20°	189360	76254	189163	80379
25°	191495	64099	191397	61937
30°	194879	49805	194989	44124
35°	198456	36396	199023	30800
40°	201538	26623	202385	23455
45°	200517	20550	201552	20011
50°	191517	17262	194197	16877
55°	169548	14147	173778	12861
60°	137133	9849	144409	9032
65°	101564	6822	109420	6470
70°	68705	5295	77447	5062
75°	44572	4250	51893	4020
80°	28398	3473	33272	3196
85°	14055	2971	18522	2712



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.1	4.0
10°-20°	806.8	11.9
20°-30°	1226.5	18.0
30°-40°	1315.7	19.3
40°-50°	1141.9	16.8
50°-60°	846.3	12.4
60°-70°	484.9	7.1
70°-80°	268.5	3.9
80°-90°	163.5	2.4
90°-100°	106.3	1.6
100°-110°	71.2	1.0
110°-120°	48.1	0.7
120°-130°	29.5	0.4
130°-140°	15.5	0.2
140°-150°	7.1	0.1
150°-160°	2.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2304.4	33.9
0°-40°	3620.1	53.2
0°-60°	5608.4	82.4
0°-90°	6525.2	95.9
90°-120°	225.6	3.3
90°-150°	277.7	4.1
90°-180°	280.0	4.1
0°-180°	6805.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2854	2854	2854	2854	2854	
5°	2872	2821	2878	2843	2872	274
15°	2835	2756	2834	3068	2835	802
25°	2740	2577	2738	2490	2740	1266
35°	2591	1755	2598	1485	2591	1622
45°	2287	1125	2299	1096	2287	1751
55°	1595	843	1635	767	1595	1415
65°	724	428	780	406	724	730
75°	206	271	240	257	206	236
85°	28	187	37	171	28	37
90°	0	156	3	144	0	1
95°	2	128	0	122	2	1
105°	2	96	2	91	2	2
115°	2	78	2	71	2	1
125°	2	59	2	49	2	1
135°	2	37	2	31	2	1
145°	2	22	3	18	2	1
155°	3	10	3	9	3	1
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°	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5
2.5°	2875.2	2867.8	2864.9	2859.0	2863.4	2881.1	2869.3	2850.1	2851.6	2817.7	2835.4
5°	2872.2	2863.4	2859.0	2853.1	2856.0	2872.2	2860.4	2841.3	2839.8	2805.9	2822.1
7.5°	2867.8	2859.0	2851.6	2847.2	2848.6	2861.9	2847.2	2825.1	2820.6	2783.8	2798.5
10°	2860.4	2854.5	2844.2	2836.9	2835.4	2850.1	2826.5	2804.4	2794.1	2755.8	2770.5
12.5°	2850.1	2841.3	2831.0	2817.7	2816.2	2825.1	2805.9	2774.9	2764.6	2733.6	2749.9
15°	2835.4	2825.1	2813.3	2798.5	2791.1	2797.0	2773.4	2745.4	2744.0	2717.4	2739.5
17.5°	2819.2	2804.4	2791.1	2770.5	2760.2	2764.6	2745.4	2720.4	2723.3	2707.1	2732.2
20°	2797.0	2780.8	2760.2	2739.5	2724.8	2732.2	2718.9	2699.7	2704.1	2692.4	2714.5
22.5°	2772.0	2749.9	2724.8	2701.2	2689.4	2699.7	2689.4	2673.2	2674.7	2667.3	2680.6
25°	2739.5	2714.5	2685.0	2655.5	2649.6	2657.0	2651.1	2637.8	2631.9	2620.1	2626.0
27.5°	2710.0	2682.0	2645.2	2614.2	2603.9	2618.6	2605.4	2583.2	2567.0	2550.8	2539.0
30°	2676.1	2642.2	2600.9	2565.6	2556.7	2562.6	2543.4	2509.5	2466.8	2446.1	2413.7
32.5°	2639.3	2595.0	2543.4	2503.6	2497.7	2493.3	2457.9	2409.3	2342.9	2301.6	2251.5
35°	2590.6	2542.0	2480.0	2431.4	2422.5	2397.5	2340.0	2275.1	2189.6	2118.8	2033.3
37.5°	2536.1	2478.6	2413.7	2348.8	2323.7	2273.6	2192.5	2124.7	1994.9	1909.4	1806.2
40°	2474.1	2404.8	2325.2	2247.1	2205.8	2124.7	2031.8	1931.5	1806.2	1691.2	1604.2
42.5°	2388.6	2314.9	2220.5	2133.5	2062.8	1955.1	1846.0	1704.5	1589.5	1492.1	1403.7
45°	2286.9	2198.4	2089.3	1984.6	1894.7	1766.4	1638.1	1496.6	1400.7	1287.2	1226.7
47.5°	2155.7	2059.8	1943.3	1826.8	1708.9	1567.3	1433.2	1297.5	1201.7	1120.6	1076.4
50°	2000.8	1912.4	1784.1	1645.5	1515.7	1368.3	1234.1	1132.4	1039.5	989.4	955.4
52.5°	1809.2	1726.6	1595.4	1445.0	1319.6	1175.1	1052.8	970.2	903.8	867.0	855.2
55°	1595.4	1523.1	1393.4	1253.3	1125.0	992.3	899.4	827.2	784.4	762.3	763.8
57.5°	1366.8	1310.8	1188.4	1063.1	942.2	841.9	757.9	700.4	667.9	666.5	670.9
60°	1138.3	1097.0	990.8	883.2	777.0	695.9	634.0	594.2	573.6	575.0	573.6
62.5°	920.1	881.7	805.1	716.6	632.5	578.0	522.0	505.7	488.0	486.6	486.6
65°	724.0	694.5	632.5	569.1	505.7	470.4	442.3	423.2	409.9	406.9	408.4
67.5°	544.1	532.3	489.5	446.8	406.9	384.8	361.2	356.8	346.5	346.5	349.4
70°	405.5	396.6	373.0	348.0	331.8	317.0	305.2	305.2	303.7	302.3	309.6
72.5°	293.4	294.9	287.5	268.4	266.9	263.9	261.0	265.4	266.9	271.3	280.1
75°	206.4	210.8	210.8	207.9	213.8	221.2	225.6	233.0	241.8	247.7	258.0
77.5°	146.0	146.0	153.3	162.2	174.0	187.3	199.1	209.4	221.2	228.5	237.4
80°	94.4	98.8	110.6	126.8	143.0	160.7	176.9	190.2	202.0	213.8	219.7
82.5°	56.0	63.4	78.1	98.8	119.4	141.5	157.8	174.0	187.3	199.1	203.5
85°	28.0	38.3	56.0	78.1	100.3	123.9	144.5	159.2	174.0	184.3	190.2
87.5°	8.8	20.6	39.8	60.5	84.0	107.6	129.8	146.0	159.2	168.1	174.0
90°	0.0	10.3	28.0	50.1	72.2	95.8	116.5	134.2	147.4	154.8	159.2
92.5°	0.0	5.9	22.1	41.3	61.9	85.5	106.2	122.4	134.2	141.5	144.5
95°	1.5	4.4	16.2	33.9	54.6	76.7	95.8	110.6	122.4	129.8	131.2
97.5°	1.5	2.9	13.3	28.0	47.2	67.8	87.0	101.7	110.6	118.0	119.4
100°	1.5	2.9	10.3	25.1	41.3	60.5	78.1	91.4	101.7	107.6	109.1
102.5°	1.5	1.5	8.8	20.6	36.9	53.1	69.3	82.6	91.4	97.3	100.3
105°	1.5	1.5	7.4	17.7	32.4	47.2	61.9	75.2	82.6	88.5	91.4
107.5°	1.5	1.5	5.9	14.7	28.0	41.3	56.0	66.4	75.2	81.1	84.0
110°	1.5	1.5	4.4	13.3	23.6	36.9	48.7	59.0	67.8	73.7	76.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.5	1.5	4.4	11.8	20.6	32.4	42.8	53.1	60.5	66.4	70.8
115°	1.5	1.5	4.4	10.3	19.2	28.0	38.3	47.2	54.6	60.5	64.9
117.5°	1.5	1.5	4.4	8.8	16.2	25.1	33.9	42.8	48.7	54.6	59.0
120°	1.5	1.5	2.9	7.4	14.7	22.1	29.5	36.9	44.2	50.1	54.6
122.5°	1.5	1.5	2.9	7.4	11.8	19.2	26.5	32.4	39.8	44.2	48.7
125°	1.5	1.5	2.9	5.9	10.3	17.7	23.6	29.5	33.9	39.8	44.2
127.5°	1.5	1.5	2.9	5.9	8.8	14.7	20.6	26.5	31.0	35.4	38.3
130°	1.5	1.5	2.9	4.4	7.4	11.8	17.7	22.1	28.0	31.0	33.9
132.5°	1.5	1.5	1.5	4.4	5.9	8.8	13.3	19.2	23.6	28.0	29.5
135°	1.5	1.5	1.5	2.9	5.9	7.4	10.3	14.7	19.2	23.6	26.5
137.5°	1.5	1.5	1.5	2.9	4.4	7.4	8.8	11.8	16.2	19.2	23.6
140°	1.5	1.5	1.5	2.9	4.4	5.9	7.4	10.3	13.3	16.2	19.2
142.5°	1.5	1.5	1.5	2.9	2.9	4.4	5.9	8.8	10.3	13.3	16.2
145°	1.5	1.5	1.5	2.9	2.9	4.4	5.9	7.4	8.8	10.3	13.3
147.5°	1.5	1.5	1.5	2.9	2.9	2.9	4.4	5.9	7.4	8.8	10.3
150°	2.9	2.9	2.9	2.9	2.9	2.9	4.4	4.4	5.9	7.4	8.8
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	4.4	4.4	4.4	5.9	7.4
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.4	4.4	5.9	5.9
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5
2.5°	2829.5	2832.4	2850.1	2848.6	2845.7	2842.7	2842.7	2839.8	2842.7	2850.1	2847.2
5°	2814.7	2819.2	2832.4	2831.0	2828.0	2826.5	2825.1	2820.6	2823.6	2833.9	2831.0
7.5°	2788.2	2792.6	2804.4	2798.5	2794.1	2797.0	2789.7	2785.2	2791.1	2801.5	2800.0
10°	2760.2	2763.1	2777.9	2774.9	2767.6	2769.0	2761.7	2758.7	2766.1	2772.0	2773.4
12.5°	2741.0	2751.3	2764.6	2763.1	2761.7	2763.1	2755.8	2752.8	2757.2	2763.1	2761.7
15°	2736.6	2749.9	2764.6	2764.6	2766.1	2767.6	2760.2	2755.8	2760.2	2764.6	2763.1
17.5°	2732.2	2748.4	2761.7	2760.2	2761.7	2764.6	2752.8	2749.9	2755.8	2761.7	2758.7
20°	2717.4	2732.2	2741.0	2738.1	2738.1	2739.5	2724.8	2724.8	2733.6	2738.1	2739.5
22.5°	2676.1	2693.8	2693.8	2686.5	2686.5	2680.6	2676.1	2667.3	2677.6	2685.0	2690.9
25°	2614.2	2621.6	2612.7	2596.5	2587.7	2580.3	2559.7	2577.3	2577.3	2599.5	2606.8
27.5°	2527.2	2511.0	2485.9	2452.0	2444.6	2421.1	2407.8	2412.2	2419.6	2450.5	2474.1
30°	2384.2	2335.5	2292.8	2278.0	2245.6	2222.0	2198.4	2210.2	2223.5	2241.2	2289.8
32.5°	2195.5	2148.3	2079.0	2053.9	2020.0	1990.5	1962.5	1980.2	2003.8	2015.6	2068.7
35°	1978.7	1922.7	1859.3	1816.5	1781.1	1764.9	1729.5	1754.6	1779.7	1788.5	1834.2
37.5°	1748.7	1691.2	1635.2	1598.3	1564.4	1554.1	1530.5	1548.2	1567.3	1580.6	1619.0
40°	1530.5	1477.4	1434.6	1409.6	1386.0	1377.1	1368.3	1375.7	1390.4	1400.7	1430.2
42.5°	1343.2	1300.5	1271.0	1256.2	1240.0	1228.2	1229.7	1232.6	1240.0	1262.1	1275.4
45°	1179.6	1154.5	1135.3	1132.4	1122.1	1120.6	1119.1	1125.0	1129.4	1142.7	1153.0
47.5°	1048.3	1038.0	1033.6	1039.5	1043.9	1038.0	1041.0	1048.3	1057.2	1057.2	1055.7
50°	945.1	948.1	954.0	967.2	976.1	979.0	982.0	990.8	992.3	995.3	990.8
52.5°	861.1	864.0	880.2	900.9	911.2	915.6	921.5	930.4	930.4	933.3	927.4
55°	775.6	780.0	796.2	816.8	825.7	831.6	837.5	843.4	847.8	853.7	849.3
57.5°	681.2	694.5	704.8	710.7	716.6	721.0	725.4	726.9	735.8	737.2	744.6
60°	580.9	583.9	594.2	592.7	588.3	600.1	594.2	604.5	614.8	628.1	629.6
62.5°	485.1	486.6	493.9	491.0	496.9	495.4	499.8	499.8	507.2	513.1	520.5
65°	409.9	411.4	417.3	417.3	415.8	420.2	424.6	427.6	427.6	432.0	437.9
67.5°	353.9	358.3	364.2	367.1	370.1	370.1	374.5	376.0	378.9	380.4	383.4
70°	315.5	321.4	327.3	330.3	331.8	334.7	336.2	336.2	339.1	340.6	343.5
72.5°	287.5	293.4	297.8	297.8	300.8	302.3	302.3	303.7	305.2	308.2	311.1
75°	263.9	268.4	271.3	269.8	269.8	269.8	271.3	271.3	274.2	277.2	280.1
77.5°	241.8	246.2	246.2	243.3	243.3	243.3	243.3	244.8	246.2	249.2	252.1
80°	225.6	225.6	224.1	224.1	221.2	219.7	219.7	221.2	221.2	224.1	228.5
82.5°	207.9	207.9	206.4	204.9	203.5	202.0	202.0	203.5	204.9	206.4	209.4
85°	191.7	191.7	188.7	188.7	187.3	187.3	187.3	187.3	188.7	190.2	193.2
87.5°	175.5	174.0	172.5	171.0	171.0	171.0	171.0	171.0	172.5	175.5	176.9
90°	159.2	157.8	156.3	156.3	154.8	154.8	156.3	156.3	157.8	159.2	160.7
92.5°	144.5	143.0	141.5	141.5	140.1	140.1	141.5	140.1	143.0	143.0	144.5
95°	131.2	129.8	128.3	128.3	128.3	128.3	128.3	128.3	129.8	129.8	131.2
97.5°	119.4	118.0	116.5	116.5	118.0	116.5	118.0	118.0	118.0	119.4	120.9
100°	109.1	107.6	107.6	109.1	107.6	107.6	109.1	109.1	109.1	109.1	110.6
102.5°	100.3	100.3	100.3	100.3	100.3	100.3	101.7	101.7	101.7	101.7	103.2
105°	91.4	92.9	92.9	92.9	94.4	94.4	94.4	95.8	95.8	95.8	95.8
107.5°	85.5	87.0	87.0	88.5	88.5	89.9	89.9	89.9	89.9	91.4	91.4
110°	79.6	81.1	82.6	84.0	84.0	85.5	85.5	85.5	85.5	85.5	85.5



TEST NUMBER: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	73.7	75.2	76.7	79.6	81.1	81.1	81.1	81.1	82.6	82.6	81.1
115°	67.8	70.8	72.2	75.2	76.7	76.7	78.1	78.1	78.1	78.1	76.7
117.5°	61.9	66.4	67.8	70.8	72.2	72.2	73.7	73.7	73.7	73.7	72.2
120°	57.5	60.5	63.4	64.9	66.4	67.8	67.8	69.3	69.3	69.3	67.8
122.5°	53.1	56.0	59.0	60.5	61.9	63.4	63.4	63.4	63.4	63.4	63.4
125°	47.2	50.1	53.1	54.6	56.0	57.5	57.5	59.0	59.0	59.0	57.5
127.5°	42.8	45.7	47.2	50.1	51.6	51.6	53.1	53.1	53.1	53.1	51.6
130°	36.9	39.8	42.8	44.2	45.7	45.7	47.2	47.2	47.2	47.2	47.2
132.5°	32.4	35.4	36.9	39.8	39.8	41.3	41.3	42.8	42.8	42.8	41.3
135°	29.5	31.0	32.4	35.4	35.4	36.9	36.9	36.9	36.9	36.9	36.9
137.5°	26.5	28.0	29.5	31.0	31.0	32.4	32.4	32.4	32.4	33.9	32.4
140°	22.1	25.1	26.5	26.5	28.0	28.0	28.0	29.5	29.5	29.5	28.0
142.5°	19.2	20.6	22.1	23.6	25.1	25.1	25.1	25.1	26.5	25.1	25.1
145°	14.7	17.7	19.2	20.6	22.1	22.1	22.1	22.1	22.1	22.1	22.1
147.5°	11.8	13.3	16.2	17.7	17.7	19.2	19.2	19.2	19.2	19.2	19.2
150°	10.3	10.3	13.3	14.7	16.2	16.2	16.2	16.2	16.2	16.2	16.2
152.5°	7.4	8.8	10.3	11.8	13.3	13.3	13.3	13.3	13.3	13.3	13.3
155°	7.4	7.4	8.8	8.8	10.3	10.3	10.3	10.3	11.8	10.3	10.3
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: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5
2.5°	2842.7	2841.3	2847.2	2841.3	2811.8	2823.6	2819.2	2835.4	2836.9	2841.3	2856.0
5°	2828.0	2828.0	2835.4	2829.5	2801.5	2813.3	2811.8	2828.0	2831.0	2833.9	2850.1
7.5°	2798.5	2800.0	2810.3	2805.9	2776.4	2794.1	2792.6	2811.8	2817.7	2823.6	2838.3
10°	2770.5	2769.0	2780.8	2776.4	2748.4	2769.0	2767.6	2786.7	2795.6	2805.9	2823.6
12.5°	2755.8	2751.3	2755.8	2751.3	2720.4	2736.6	2738.1	2760.2	2770.5	2783.8	2804.4
15°	2755.8	2748.4	2748.4	2739.5	2704.1	2714.5	2715.9	2730.7	2744.0	2757.2	2782.3
17.5°	2752.8	2745.4	2744.0	2736.6	2698.3	2698.3	2696.8	2707.1	2714.5	2727.7	2754.3
20°	2736.6	2733.6	2732.2	2727.7	2692.4	2686.5	2683.5	2683.5	2687.9	2692.4	2718.9
22.5°	2693.8	2696.8	2699.7	2702.7	2674.7	2664.3	2665.8	2662.9	2658.4	2658.4	2680.6
25°	2614.2	2629.0	2640.7	2654.0	2637.8	2630.4	2639.3	2634.9	2627.5	2621.6	2640.7
27.5°	2487.4	2518.4	2543.4	2575.9	2577.3	2571.4	2595.0	2592.1	2590.6	2581.8	2596.5
30°	2311.9	2360.6	2394.5	2441.7	2481.5	2487.4	2527.2	2533.1	2539.0	2534.6	2549.3
32.5°	2099.6	2166.0	2223.5	2297.2	2335.5	2369.4	2425.5	2449.1	2472.7	2480.0	2496.3
35°	1868.1	1943.3	2011.2	2092.3	2152.7	2226.4	2294.3	2329.6	2382.7	2403.4	2427.0
37.5°	1648.4	1719.2	1785.6	1866.7	1964.0	2040.6	2124.7	2204.3	2276.6	2306.0	2341.4
40°	1453.8	1511.3	1574.7	1645.5	1734.0	1834.2	1925.6	2036.2	2121.7	2180.7	2232.3
42.5°	1306.4	1334.4	1388.9	1452.3	1523.1	1624.8	1717.7	1841.6	1944.8	2028.8	2114.4
45°	1175.1	1188.4	1228.2	1262.1	1334.4	1424.3	1523.1	1644.0	1751.7	1859.3	1962.5
47.5°	1063.1	1079.3	1098.5	1119.1	1170.7	1245.9	1331.4	1440.5	1548.2	1673.5	1791.5
50°	987.9	992.3	995.3	1004.1	1035.1	1086.7	1156.0	1248.9	1352.1	1486.3	1611.6
52.5°	921.5	921.5	912.7	908.3	920.1	952.5	992.3	1058.7	1164.8	1288.7	1421.4
55°	850.8	837.5	834.5	819.8	822.7	837.5	856.7	908.3	995.3	1101.4	1229.7
57.5°	752.0	746.1	746.1	740.2	728.4	735.8	740.2	777.0	839.0	930.4	1042.4
60°	638.4	635.5	642.9	644.3	634.0	638.4	637.0	659.1	703.3	777.0	869.9
62.5°	524.9	538.2	539.7	545.5	539.7	538.2	545.5	564.7	586.8	642.9	715.1
65°	440.9	448.2	449.7	457.1	454.1	454.1	460.0	474.8	488.0	526.4	582.4
67.5°	386.3	383.4	384.8	389.3	384.8	383.4	387.8	396.6	406.9	430.5	470.4
70°	343.5	340.6	340.6	340.6	334.7	330.3	331.8	334.7	339.1	352.4	377.5
72.5°	311.1	311.1	306.7	302.3	297.8	294.9	291.9	289.0	287.5	291.9	305.2
75°	281.6	283.1	281.6	277.2	271.3	265.4	259.5	253.6	246.2	243.3	244.8
77.5°	255.1	256.6	258.0	256.6	250.7	243.3	234.4	225.6	215.3	204.9	199.1
80°	231.5	234.4	235.9	234.4	230.0	224.1	213.8	203.5	188.7	175.5	160.7
82.5°	210.8	215.3	216.7	216.7	213.8	207.9	196.1	184.3	168.1	150.4	131.2
85°	194.6	197.6	200.5	200.5	199.1	193.2	181.4	168.1	151.9	131.2	110.6
87.5°	178.4	179.9	182.8	185.8	182.8	176.9	166.6	151.9	135.6	115.0	91.4
90°	162.2	163.7	166.6	169.6	168.1	162.2	153.3	140.1	122.4	100.3	76.7
92.5°	146.0	148.9	150.4	151.9	153.3	148.9	141.5	128.3	110.6	88.5	66.4
95°	134.2	134.2	137.1	138.6	140.1	135.6	129.8	116.5	100.3	79.6	57.5
97.5°	122.4	122.4	125.3	125.3	126.8	123.9	118.0	106.2	89.9	70.8	48.7
100°	110.6	112.1	113.5	115.0	115.0	113.5	107.6	95.8	81.1	63.4	42.8
102.5°	103.2	103.2	104.7	104.7	106.2	103.2	97.3	87.0	72.2	56.0	36.9
105°	95.8	95.8	97.3	97.3	95.8	92.9	87.0	78.1	64.9	48.7	32.4
107.5°	89.9	89.9	89.9	89.9	88.5	85.5	79.6	69.3	57.5	44.2	29.5
110°	85.5	84.0	84.0	82.6	81.1	76.7	70.8	61.9	51.6	38.3	25.1



TEST NUMBER: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	81.1	79.6	78.1	76.7	73.7	69.3	63.4	56.0	45.7	33.9	22.1
115°	76.7	75.2	73.7	70.8	67.8	63.4	57.5	50.1	39.8	29.5	19.2
117.5°	72.2	70.8	67.8	64.9	61.9	57.5	51.6	44.2	35.4	26.5	17.7
120°	66.4	64.9	63.4	60.5	57.5	51.6	45.7	39.8	31.0	23.6	14.7
122.5°	61.9	60.5	57.5	56.0	51.6	47.2	41.3	35.4	28.0	20.6	13.3
125°	56.0	54.6	53.1	50.1	47.2	41.3	36.9	31.0	25.1	17.7	10.3
127.5°	51.6	50.1	47.2	44.2	41.3	36.9	32.4	28.0	22.1	14.7	10.3
130°	45.7	44.2	42.8	39.8	36.9	32.4	29.5	23.6	19.2	13.3	8.8
132.5°	39.8	39.8	38.3	35.4	32.4	29.5	25.1	20.6	16.2	11.8	7.4
135°	36.9	35.4	33.9	31.0	29.5	25.1	22.1	17.7	13.3	10.3	5.9
137.5°	32.4	31.0	29.5	28.0	25.1	22.1	19.2	14.7	11.8	8.8	5.9
140°	28.0	26.5	26.5	23.6	22.1	19.2	16.2	13.3	10.3	7.4	4.4
142.5°	25.1	23.6	22.1	20.6	19.2	16.2	13.3	10.3	8.8	5.9	4.4
145°	22.1	20.6	19.2	17.7	16.2	13.3	11.8	8.8	7.4	5.9	4.4
147.5°	17.7	17.7	16.2	14.7	13.3	11.8	10.3	8.8	5.9	4.4	2.9
150°	14.7	14.7	13.3	11.8	11.8	10.3	8.8	7.4	5.9	4.4	2.9
152.5°	13.3	11.8	11.8	10.3	10.3	8.8	7.4	5.9	4.4	4.4	2.9
155°	10.3	10.3	10.3	8.8	8.8	7.4	5.9	5.9	4.4	2.9	2.9
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: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5
2.5°	2859.0	2841.3	2856.0	2882.6	2879.6	2876.7	2873.7	2879.6	2898.8	2888.5	2872.2
5°	2854.5	2836.9	2853.1	2878.1	2876.7	2872.2	2869.3	2875.2	2894.4	2884.0	2866.3
7.5°	2845.7	2829.5	2841.3	2866.3	2866.3	2863.4	2860.4	2866.3	2884.0	2875.2	2857.5
10°	2831.0	2819.2	2831.0	2854.5	2856.0	2850.1	2847.2	2854.5	2872.2	2867.8	2853.1
12.5°	2819.2	2807.4	2820.6	2844.2	2845.7	2839.8	2835.4	2844.2	2867.8	2870.8	2866.3
15°	2802.9	2792.6	2808.8	2833.9	2833.9	2829.5	2829.5	2841.3	2873.7	2887.0	2894.4
17.5°	2779.3	2772.0	2791.1	2816.2	2817.7	2814.7	2816.2	2839.8	2882.6	2915.0	2935.6
20°	2749.9	2746.9	2767.6	2794.1	2798.5	2800.0	2807.4	2842.7	2901.7	2946.0	2966.6
22.5°	2714.5	2715.9	2739.5	2767.6	2773.4	2777.9	2792.6	2842.7	2916.5	2963.7	2972.5
25°	2674.7	2679.1	2704.1	2738.1	2745.4	2754.3	2779.3	2844.2	2920.9	2951.9	2937.1
27.5°	2631.9	2640.7	2673.2	2708.6	2717.4	2732.2	2764.6	2835.4	2900.3	2901.7	2847.2
30°	2587.7	2598.0	2636.3	2677.6	2692.4	2707.1	2746.9	2814.7	2850.1	2802.9	2707.1
32.5°	2537.5	2552.3	2590.6	2640.7	2658.4	2677.6	2717.4	2774.9	2761.7	2659.9	2522.8
35°	2474.1	2494.8	2539.0	2598.0	2614.2	2639.3	2667.3	2680.6	2621.6	2477.1	2322.3
37.5°	2396.0	2427.0	2478.6	2546.4	2564.1	2580.3	2587.7	2550.8	2432.9	2276.6	2115.8
40°	2306.0	2353.2	2409.3	2484.5	2502.1	2502.1	2475.6	2397.5	2248.5	2043.6	1865.2
42.5°	2196.9	2254.4	2325.2	2400.4	2418.1	2397.5	2334.1	2196.9	2027.4	1798.8	1610.1
45°	2064.2	2140.9	2220.5	2298.7	2307.5	2261.8	2148.3	1974.3	1764.9	1552.6	1372.7
47.5°	1906.5	2006.7	2093.7	2182.2	2170.4	2093.7	1941.9	1744.3	1523.1	1322.6	1178.1
50°	1729.5	1847.5	1944.8	2028.8	2003.8	1897.6	1719.2	1512.8	1293.1	1122.1	1002.6
52.5°	1540.8	1676.5	1773.8	1841.6	1807.7	1680.9	1484.8	1287.2	1107.3	951.0	871.4
55°	1344.7	1481.8	1582.1	1635.2	1590.9	1453.8	1260.7	1080.8	911.2	809.5	762.3
57.5°	1154.5	1282.8	1377.1	1419.9	1363.9	1226.7	1048.3	896.5	774.1	688.6	665.0
60°	971.7	1076.4	1166.3	1198.7	1138.3	1011.5	858.1	737.2	647.3	588.3	576.5
62.5°	802.1	887.6	958.4	983.5	924.5	825.7	693.0	603.1	539.7	510.2	495.4
65°	662.0	712.2	784.4	780.0	744.6	653.2	555.9	492.5	451.2	432.0	423.2
67.5°	520.5	566.2	611.9	617.8	573.6	510.2	446.8	401.1	378.9	368.6	364.2
70°	402.5	436.4	464.5	457.1	433.5	393.7	353.9	328.8	320.0	315.5	315.5
72.5°	312.6	330.3	343.5	334.7	320.0	299.3	280.1	269.8	271.3	274.2	277.2
75°	241.8	246.2	249.2	240.3	237.4	224.1	222.6	224.1	233.0	241.8	246.2
77.5°	185.8	179.9	175.5	166.6	168.1	166.6	174.0	185.8	199.1	212.3	224.1
80°	143.0	129.8	119.4	110.6	115.0	122.4	137.1	154.8	172.5	187.3	202.0
82.5°	110.6	91.4	76.7	67.8	76.7	88.5	107.6	129.8	150.4	166.6	182.8
85°	85.5	63.4	45.7	36.9	45.7	63.4	84.0	109.1	131.2	148.9	165.1
87.5°	66.4	45.7	25.1	14.7	25.1	44.2	67.8	91.4	113.5	134.2	150.4
90°	53.1	31.0	11.8	2.9	13.3	31.0	53.1	76.7	98.8	120.9	137.1
92.5°	42.8	22.1	5.9	0.0	7.4	23.6	44.2	66.4	88.5	109.1	125.3
95°	35.4	17.7	4.4	0.0	5.9	17.7	35.4	57.5	78.1	98.8	112.1
97.5°	29.5	13.3	2.9	0.0	2.9	14.7	29.5	48.7	69.3	88.5	101.7
100°	25.1	11.8	2.9	0.0	2.9	11.8	25.1	42.8	60.5	78.1	91.4
102.5°	20.6	8.8	1.5	1.5	1.5	8.8	22.1	36.9	53.1	69.3	82.6
105°	19.2	7.4	1.5	1.5	1.5	7.4	19.2	32.4	47.2	61.9	73.7
107.5°	16.2	5.9	1.5	1.5	1.5	5.9	16.2	28.0	42.8	56.0	66.4
110°	13.3	5.9	1.5	1.5	1.5	5.9	13.3	25.1	36.9	48.7	59.0



TEST NUMBER: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	11.8	4.4	1.5	1.5	1.5	4.4	11.8	22.1	32.4	44.2	53.1
115°	10.3	4.4	1.5	1.5	1.5	4.4	10.3	19.2	28.0	38.3	47.2
117.5°	8.8	4.4	1.5	1.5	1.5	2.9	8.8	16.2	25.1	33.9	42.8
120°	7.4	2.9	1.5	1.5	1.5	2.9	7.4	14.7	22.1	29.5	36.9
122.5°	7.4	2.9	1.5	1.5	1.5	2.9	5.9	11.8	19.2	25.1	32.4
125°	5.9	2.9	1.5	1.5	1.5	1.5	5.9	10.3	16.2	22.1	28.0
127.5°	5.9	2.9	1.5	1.5	1.5	1.5	4.4	8.8	13.3	19.2	25.1
130°	4.4	2.9	1.5	1.5	1.5	1.5	2.9	7.4	11.8	16.2	20.6
132.5°	4.4	2.9	1.5	1.5	1.5	1.5	2.9	5.9	8.8	13.3	17.7
135°	4.4	1.5	1.5	1.5	1.5	1.5	1.5	4.4	7.4	10.3	13.3
137.5°	2.9	1.5	1.5	1.5	1.5	1.5	1.5	2.9	5.9	7.4	11.8
140°	2.9	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	5.9	8.8
142.5°	2.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	4.4	7.4
145°	2.9	1.5	1.5	2.9	2.9	1.5	1.5	2.9	2.9	4.4	5.9
147.5°	2.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	4.4
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.4
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5
2.5°	2869.3	2835.4	2853.1	2847.2	2853.1	2867.8	2866.3	2861.9	2864.9	2857.5	2850.1
5°	2863.4	2829.5	2847.2	2839.8	2847.2	2861.9	2859.0	2854.5	2859.0	2850.1	2842.7
7.5°	2856.0	2825.1	2845.7	2844.2	2857.5	2876.7	2878.1	2878.1	2888.5	2875.2	2869.3
10°	2856.0	2839.8	2867.8	2878.1	2912.0	2937.1	2940.1	2946.0	2963.7	2960.7	2946.0
12.5°	2887.0	2884.0	2925.3	2950.4	2981.3	3016.7	3035.9	3041.8	3053.6	3044.7	3038.9
15°	2926.8	2941.5	2987.2	3015.3	3049.2	3075.7	3080.1	3083.1	3091.9	3078.7	3068.3
17.5°	2979.9	2988.7	3025.6	3037.4	3059.5	3063.9	3058.0	3043.3	3043.3	3013.8	3004.9
20°	3004.9	3000.5	3015.3	2996.1	2987.2	2960.7	2935.6	2907.6	2906.2	2875.2	2872.2
22.5°	2982.8	2953.3	2922.4	2875.2	2854.5	2816.2	2782.3	2766.1	2755.8	2715.9	2705.6
25°	2904.7	2832.4	2786.7	2730.7	2680.6	2636.3	2603.9	2570.0	2537.5	2505.1	2490.4
27.5°	2769.0	2701.2	2627.5	2549.3	2480.0	2412.2	2357.7	2323.7	2292.8	2250.0	2227.9
30°	2602.4	2508.0	2427.0	2351.8	2238.2	2155.7	2109.9	2042.1	2018.5	1999.4	1958.1
32.5°	2406.3	2292.8	2182.2	2080.5	1964.0	1887.3	1826.8	1776.7	1762.0	1711.8	1700.0
35°	2189.6	2040.6	1915.3	1815.1	1731.0	1638.1	1588.0	1554.1	1524.6	1490.7	1484.8
37.5°	1934.5	1800.3	1658.8	1570.3	1503.9	1424.3	1386.0	1362.4	1349.1	1324.1	1319.6
40°	1677.9	1543.8	1446.4	1358.0	1316.7	1273.9	1245.9	1235.6	1229.7	1220.8	1212.0
42.5°	1445.0	1327.0	1257.7	1198.7	1181.0	1160.4	1153.0	1158.9	1153.0	1150.1	1148.6
45°	1247.4	1157.4	1108.8	1091.1	1086.7	1080.8	1086.7	1097.0	1098.5	1095.5	1095.5
47.5°	1067.5	1024.7	1004.1	1007.1	1014.4	1018.8	1029.2	1042.4	1045.4	1038.0	1041.0
50°	949.5	924.5	920.1	931.9	948.1	954.0	965.8	976.1	974.6	971.7	968.7
52.5°	839.0	831.6	843.4	855.2	872.9	875.8	880.2	884.7	883.2	877.3	874.4
55°	746.1	752.0	762.3	766.7	780.0	778.5	780.0	780.0	774.1	771.1	766.7
57.5°	662.0	663.5	669.4	670.9	678.2	675.3	673.8	670.9	662.0	660.6	656.1
60°	576.5	573.6	586.8	576.5	582.4	576.5	575.0	567.7	558.8	557.3	554.4
62.5°	495.4	489.5	498.4	493.9	496.9	491.0	488.0	479.2	471.8	470.4	468.9
65°	423.2	420.2	429.1	427.6	430.5	423.2	420.2	414.3	408.4	406.9	405.5
67.5°	362.7	370.1	374.5	374.5	377.5	376.0	368.6	367.1	365.7	359.8	359.8
70°	318.5	322.9	331.8	333.2	331.8	334.7	328.8	327.3	325.9	322.9	321.4
72.5°	283.1	289.0	297.8	299.3	297.8	297.8	294.9	293.4	293.4	289.0	289.0
75°	255.1	262.5	269.8	269.8	269.8	266.9	263.9	263.9	261.0	259.5	256.6
77.5°	231.5	240.3	246.2	244.8	243.3	240.3	240.3	235.9	231.5	231.5	228.5
80°	213.8	219.7	224.1	222.6	221.2	216.7	215.3	210.8	207.9	203.5	203.5
82.5°	194.6	202.0	204.9	203.5	200.5	196.1	194.6	191.7	188.7	187.3	184.3
85°	178.4	185.8	187.3	184.3	181.4	178.4	176.9	175.5	174.0	171.0	171.0
87.5°	162.2	169.6	169.6	168.1	165.1	163.7	162.2	160.7	159.2	157.8	156.3
90°	148.9	154.8	154.8	153.3	151.9	150.4	148.9	147.4	146.0	144.5	144.5
92.5°	135.6	141.5	141.5	140.1	138.6	137.1	137.1	135.6	134.2	132.7	131.2
95°	123.9	129.8	129.8	129.8	128.3	126.8	126.8	125.3	123.9	123.9	122.4
97.5°	112.1	118.0	118.0	118.0	116.5	115.0	115.0	113.5	113.5	113.5	112.1
100°	101.7	106.2	107.6	107.6	106.2	106.2	106.2	104.7	104.7	104.7	103.2
102.5°	91.4	95.8	98.8	98.8	98.8	97.3	97.3	97.3	97.3	97.3	95.8
105°	82.6	87.0	89.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
107.5°	75.2	79.6	82.6	84.0	85.5	85.5	87.0	87.0	87.0	87.0	87.0
110°	67.8	72.2	76.7	78.1	79.6	81.1	81.1	82.6	81.1	81.1	81.1



TEST NUMBER: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	60.5	66.4	69.3	72.2	73.7	75.2	76.7	76.7	76.7	76.7	76.7
115°	54.6	60.5	63.4	66.4	69.3	70.8	70.8	72.2	72.2	72.2	70.8
117.5°	48.7	54.6	57.5	60.5	61.9	64.9	66.4	66.4	66.4	66.4	64.9
120°	44.2	48.7	51.6	54.6	57.5	59.0	60.5	60.5	60.5	60.5	60.5
122.5°	38.3	42.8	47.2	50.1	51.6	53.1	54.6	54.6	54.6	54.6	54.6
125°	33.9	38.3	41.3	44.2	45.7	48.7	48.7	48.7	48.7	48.7	48.7
127.5°	29.5	33.9	36.9	39.8	41.3	42.8	44.2	44.2	44.2	44.2	44.2
130°	25.1	29.5	32.4	35.4	36.9	38.3	38.3	39.8	39.8	39.8	39.8
132.5°	22.1	25.1	28.0	31.0	32.4	33.9	33.9	35.4	35.4	35.4	35.4
135°	17.7	22.1	23.6	26.5	28.0	29.5	29.5	31.0	31.0	31.0	31.0
137.5°	14.7	17.7	20.6	23.6	25.1	25.1	26.5	26.5	28.0	28.0	28.0
140°	11.8	13.3	17.7	19.2	20.6	22.1	23.6	23.6	23.6	23.6	23.6
142.5°	8.8	11.8	13.3	16.2	17.7	19.2	20.6	20.6	20.6	20.6	20.6
145°	7.4	8.8	10.3	13.3	14.7	16.2	17.7	17.7	17.7	17.7	17.7
147.5°	5.9	7.4	8.8	10.3	11.8	13.3	14.7	14.7	14.7	14.7	14.7
150°	4.4	5.9	7.4	7.4	8.8	10.3	11.8	13.3	13.3	13.3	13.3
152.5°	4.4	4.4	5.9	5.9	7.4	8.8	10.3	10.3	10.3	10.3	10.3
155°	2.9	4.4	4.4	4.4	5.9	5.9	7.4	8.8	8.8	8.8	8.8
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: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5
2.5°	2854.5	2860.4	2857.5	2853.1	2851.6	2859.0	2851.6	2817.7	2831.0	2832.4	2842.7
5°	2850.1	2854.5	2851.6	2848.6	2844.2	2853.1	2844.2	2808.8	2822.1	2823.6	2833.9
7.5°	2879.6	2881.1	2881.1	2873.7	2861.9	2866.3	2854.5	2814.7	2822.1	2822.1	2829.5
10°	2953.3	2956.3	2960.7	2941.5	2926.8	2915.0	2898.8	2850.1	2848.6	2836.9	2836.9
12.5°	3049.2	3041.8	3034.4	3025.6	3013.8	2999.0	2975.4	2917.9	2898.8	2879.6	2860.4
15°	3077.2	3074.2	3072.8	3068.3	3061.0	3056.5	3038.9	2981.3	2953.3	2929.7	2895.8
17.5°	3003.5	3009.4	3028.5	3030.0	3038.9	3056.5	3053.6	3013.8	2988.7	2978.4	2937.1
20°	2870.8	2872.2	2895.8	2906.2	2944.5	2974.0	2996.1	2991.7	2985.8	2997.6	2966.6
22.5°	2711.5	2721.8	2746.9	2763.1	2800.0	2833.9	2869.3	2888.5	2919.4	2968.1	2962.2
25°	2494.8	2508.0	2543.4	2570.0	2621.6	2673.2	2720.4	2754.3	2791.1	2884.0	2915.0
27.5°	2235.3	2255.9	2301.6	2328.2	2400.4	2453.5	2521.3	2587.7	2639.3	2745.4	2808.8
30°	1962.5	1980.2	2028.8	2065.7	2127.6	2199.9	2285.4	2379.8	2465.3	2572.9	2652.5
32.5°	1707.4	1726.6	1766.4	1798.8	1868.1	1928.6	2023.0	2139.4	2219.1	2368.0	2474.1
35°	1484.8	1502.5	1530.5	1558.5	1616.0	1677.9	1759.0	1872.6	1974.3	2129.1	2263.3
37.5°	1328.5	1331.4	1347.7	1363.9	1406.6	1453.8	1517.2	1617.5	1711.8	1878.5	2025.9
40°	1216.4	1216.4	1225.3	1229.7	1248.9	1276.9	1316.7	1394.8	1473.0	1599.8	1779.7
42.5°	1147.1	1144.2	1144.2	1145.7	1144.2	1157.4	1181.0	1217.9	1287.2	1391.9	1532.0
45°	1095.5	1089.6	1085.2	1074.9	1069.0	1069.0	1070.5	1083.7	1123.5	1191.4	1304.9
47.5°	1038.0	1036.5	1029.2	1017.4	1007.1	999.7	987.9	983.5	995.3	1033.6	1110.3
50°	971.7	964.3	956.9	948.1	936.3	928.9	906.8	908.3	897.9	915.6	955.4
52.5°	874.4	868.5	865.5	858.1	853.7	850.8	833.1	815.4	811.0	813.9	828.6
55°	766.7	769.7	757.9	763.8	762.3	749.0	741.7	728.4	724.0	722.5	729.9
57.5°	654.7	657.6	650.2	656.1	656.1	648.8	644.3	644.3	634.0	625.2	635.5
60°	552.9	547.0	551.4	558.8	558.8	554.4	551.4	551.4	544.1	541.1	548.5
62.5°	470.4	464.5	468.9	476.2	477.7	474.8	471.8	471.8	463.0	463.0	468.9
65°	406.9	408.4	406.9	412.8	412.8	414.3	411.4	408.4	398.1	402.5	401.1
67.5°	361.2	359.8	359.8	365.7	364.2	367.1	364.2	359.8	352.4	346.5	345.0
70°	322.9	321.4	321.4	324.4	325.9	325.9	324.4	321.4	311.1	305.2	300.8
72.5°	289.0	287.5	289.0	290.5	291.9	293.4	291.9	289.0	280.1	272.8	265.4
75°	258.0	256.6	261.0	261.0	262.5	262.5	263.9	262.5	255.1	246.2	237.4
77.5°	227.1	228.5	233.0	234.4	237.4	238.9	240.3	240.3	233.0	225.6	213.8
80°	202.0	204.9	207.9	209.4	212.3	216.7	218.2	219.7	213.8	206.4	193.2
82.5°	184.3	185.8	188.7	190.2	194.6	196.1	197.6	200.5	197.6	190.2	175.5
85°	169.6	171.0	174.0	174.0	176.9	179.9	181.4	182.8	181.4	174.0	159.2
87.5°	156.3	157.8	159.2	160.7	162.2	163.7	165.1	166.6	165.1	157.8	144.5
90°	144.5	144.5	146.0	146.0	147.4	148.9	151.9	151.9	150.4	144.5	131.2
92.5°	131.2	132.7	132.7	134.2	135.6	137.1	138.6	138.6	137.1	131.2	119.4
95°	122.4	122.4	123.9	123.9	125.3	125.3	126.8	126.8	125.3	119.4	107.6
97.5°	112.1	112.1	112.1	112.1	113.5	113.5	115.0	115.0	113.5	107.6	97.3
100°	103.2	103.2	103.2	103.2	103.2	104.7	104.7	104.7	103.2	97.3	87.0
102.5°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	92.9	88.5	78.1
105°	91.4	91.4	91.4	89.9	89.9	89.9	88.5	88.5	84.0	79.6	70.8
107.5°	85.5	85.5	85.5	84.0	84.0	82.6	81.1	81.1	76.7	72.2	63.4
110°	81.1	81.1	81.1	79.6	78.1	76.7	75.2	73.7	69.3	63.4	56.0



TEST NUMBER: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	76.7	76.7	75.2	75.2	73.7	72.2	69.3	67.8	63.4	57.5	50.1
115°	70.8	70.8	70.8	69.3	67.8	66.4	64.9	61.9	57.5	51.6	44.2
117.5°	64.9	64.9	64.9	63.4	61.9	60.5	59.0	56.0	51.6	45.7	39.8
120°	59.0	59.0	59.0	57.5	56.0	54.6	53.1	50.1	45.7	41.3	33.9
122.5°	54.6	54.6	53.1	51.6	50.1	48.7	47.2	44.2	41.3	35.4	29.5
125°	48.7	48.7	47.2	47.2	45.7	44.2	42.8	39.8	35.4	31.0	26.5
127.5°	44.2	42.8	42.8	42.8	41.3	39.8	36.9	35.4	31.0	26.5	22.1
130°	38.3	38.3	38.3	36.9	36.9	35.4	32.4	29.5	26.5	23.6	19.2
132.5°	33.9	33.9	33.9	33.9	32.4	31.0	28.0	26.5	23.6	19.2	16.2
135°	31.0	31.0	29.5	29.5	28.0	26.5	25.1	22.1	19.2	16.2	13.3
137.5°	26.5	26.5	26.5	25.1	25.1	23.6	20.6	19.2	17.7	14.7	11.8
140°	23.6	23.6	22.1	22.1	20.6	20.6	19.2	16.2	14.7	11.8	10.3
142.5°	20.6	20.6	19.2	19.2	17.7	17.7	16.2	14.7	11.8	10.3	7.4
145°	17.7	17.7	16.2	16.2	16.2	14.7	13.3	11.8	10.3	8.8	7.4
147.5°	14.7	14.7	14.7	13.3	13.3	11.8	11.8	10.3	8.8	7.4	5.9
150°	13.3	13.3	11.8	11.8	11.8	10.3	8.8	8.8	7.4	5.9	4.4
152.5°	10.3	10.3	10.3	10.3	8.8	8.8	7.4	7.4	5.9	4.4	4.4
155°	8.8	8.8	8.8	7.4	7.4	7.4	5.9	5.9	4.4	4.4	2.9
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: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5	2854.5
2.5°	2838.3	2836.9	2850.1	2848.6	2831.0	2857.5	2875.2
5°	2831.0	2829.5	2841.3	2844.2	2825.1	2853.1	2872.2
7.5°	2825.1	2823.6	2836.9	2841.3	2822.1	2847.2	2867.8
10°	2826.5	2819.2	2831.0	2833.9	2816.2	2842.7	2860.4
12.5°	2836.9	2819.2	2823.6	2823.6	2807.4	2831.0	2850.1
15°	2861.9	2825.1	2819.2	2814.7	2794.1	2816.2	2835.4
17.5°	2889.9	2839.8	2819.2	2804.4	2779.3	2798.5	2819.2
20°	2917.9	2856.0	2822.1	2798.5	2764.6	2782.3	2797.0
22.5°	2931.2	2870.8	2825.1	2789.7	2746.9	2755.8	2772.0
25°	2913.5	2864.9	2819.2	2776.4	2724.8	2726.3	2739.5
27.5°	2848.6	2835.4	2805.9	2763.1	2707.1	2699.7	2710.0
30°	2738.1	2774.9	2776.4	2745.4	2686.5	2671.7	2676.1
32.5°	2583.2	2665.8	2714.5	2708.6	2657.0	2636.3	2639.3
35°	2404.8	2508.0	2614.2	2649.6	2612.7	2596.5	2590.6
37.5°	2191.0	2329.6	2471.2	2558.2	2552.3	2542.0	2536.1
40°	1955.1	2121.7	2289.8	2428.4	2471.2	2471.2	2474.1
42.5°	1703.0	1897.6	2081.9	2257.4	2357.7	2379.8	2388.6
45°	1459.7	1655.8	1856.3	2058.3	2192.5	2261.8	2286.9
47.5°	1238.5	1436.1	1626.3	1847.5	2025.9	2115.8	2155.7
50°	1049.8	1197.3	1397.8	1617.5	1812.1	1922.7	2000.8
52.5°	893.5	1008.5	1184.0	1388.9	1585.0	1736.9	1809.2
55°	762.3	840.4	989.4	1166.3	1353.5	1511.3	1595.4
57.5°	651.7	713.6	815.4	962.8	1120.6	1276.9	1366.8
60°	554.4	597.2	666.5	782.9	917.1	1051.3	1138.3
62.5°	470.4	498.4	544.1	629.6	734.3	839.0	920.1
65°	405.5	417.3	442.3	495.4	575.0	654.7	724.0
67.5°	342.1	349.4	368.6	401.1	440.9	498.4	544.1
70°	294.9	294.9	296.4	315.5	336.2	373.0	405.5
72.5°	256.6	252.1	243.3	247.7	252.1	272.8	293.4
75°	225.6	215.3	200.5	194.6	191.7	194.6	206.4
77.5°	199.1	184.3	166.6	151.9	140.1	135.6	146.0
80°	176.9	159.2	138.6	119.4	100.3	89.9	94.4
82.5°	159.2	137.1	115.0	92.9	70.8	56.0	56.0
85°	140.1	119.4	95.8	72.2	50.1	31.0	28.0
87.5°	126.8	104.7	79.6	57.5	35.4	16.2	8.8
90°	113.5	91.4	67.8	45.7	25.1	7.4	0.0
92.5°	101.7	81.1	59.0	36.9	17.7	4.4	0.0
95°	91.4	72.2	50.1	31.0	14.7	2.9	1.5
97.5°	81.1	63.4	44.2	25.1	10.3	2.9	1.5
100°	73.7	56.0	38.3	20.6	8.8	1.5	1.5
102.5°	64.9	50.1	32.4	17.7	7.4	1.5	1.5
105°	57.5	44.2	28.0	14.7	5.9	1.5	1.5
107.5°	51.6	38.3	25.1	13.3	5.9	1.5	1.5
110°	45.7	33.9	22.1	11.8	4.4	1.5	1.5



TEST NUMBER: P290204

CATALOG NUMBER: 4SSRK-LC-80-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	41.3	29.5	19.2	10.3	2.9	1.5	1.5
115°	35.4	26.5	16.2	8.8	2.9	1.5	1.5
117.5°	31.0	22.1	14.7	7.4	2.9	1.5	1.5
120°	26.5	19.2	11.8	5.9	1.5	1.5	1.5
122.5°	23.6	16.2	10.3	5.9	1.5	1.5	1.5
125°	20.6	14.7	8.8	4.4	1.5	1.5	1.5
127.5°	17.7	11.8	7.4	2.9	1.5	1.5	1.5
130°	14.7	10.3	5.9	2.9	1.5	1.5	1.5
132.5°	11.8	8.8	5.9	2.9	1.5	1.5	1.5
135°	10.3	7.4	4.4	2.9	1.5	1.5	1.5
137.5°	8.8	5.9	2.9	2.9	2.9	1.5	1.5
140°	7.4	4.4	2.9	2.9	2.9	2.9	1.5
142.5°	5.9	4.4	2.9	2.9	2.9	2.9	1.5
145°	4.4	2.9	2.9	2.9	2.9	2.9	1.5
147.5°	4.4	2.9	2.9	2.9	2.9	2.9	1.5
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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)