

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: P290206

Luminaire Tested: **4SSRK-LC-80-L940-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: P290206
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-L940-CD1-U
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7398.4 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

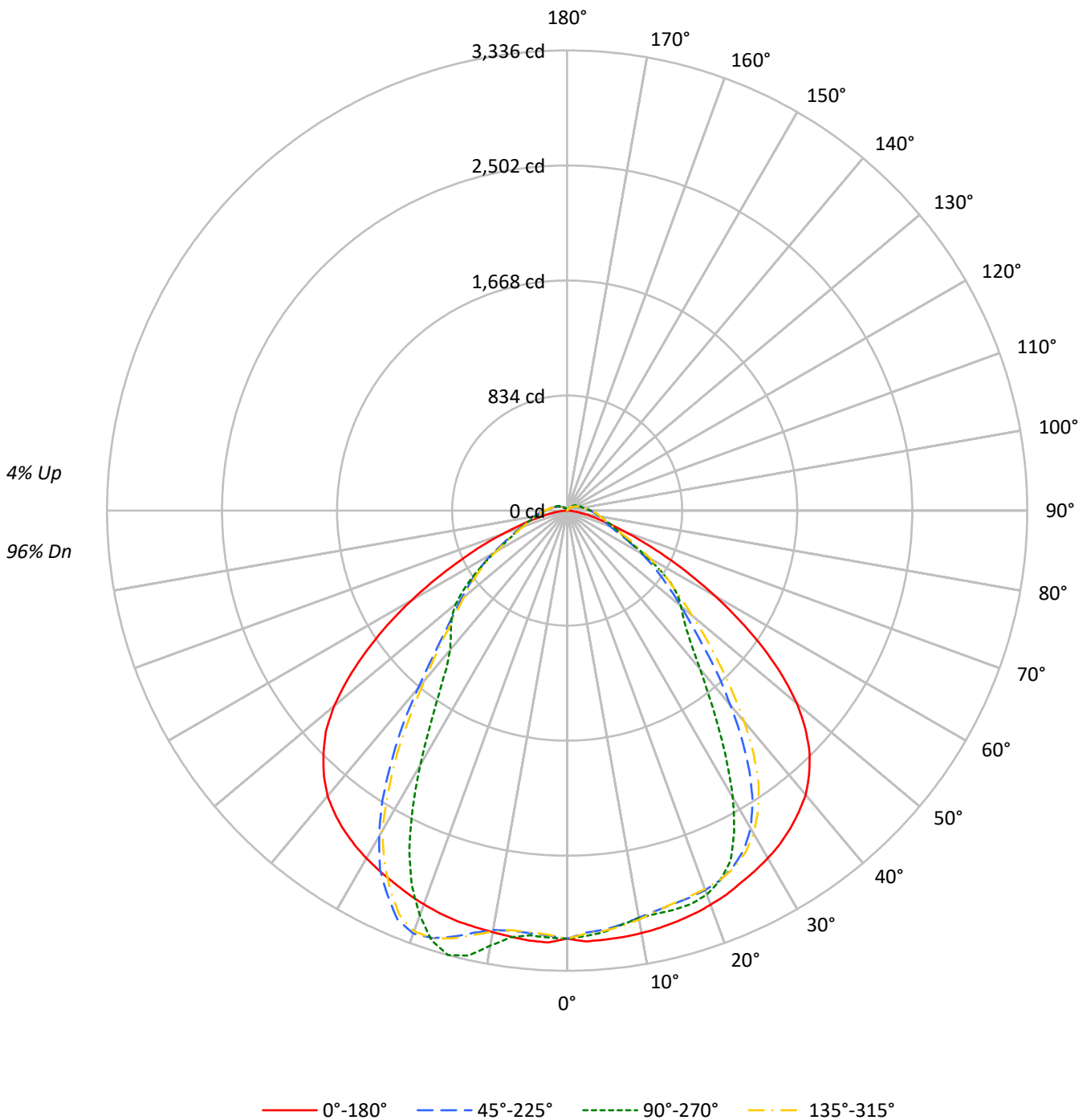
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96								
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	82								
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	71								
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	61								
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54								
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	47								
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	42								
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	38								
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	34								
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	31								
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	28								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	200427	200427	200427	200427
5°	201708	147269	202122	148422
10°	202451	115337	202034	123167
15°	203831	96687	203725	107657
20°	205872	82903	205655	87389
25°	208194	69690	208082	67337
30°	211876	54147	211993	47971
35°	215761	39570	216374	33484
40°	219117	28944	220029	25501
45°	218001	22342	219123	21756
50°	208220	18767	211130	18349
55°	184331	15380	188922	13983
60°	149084	10707	156999	9819
65°	110416	7417	118959	7033
70°	74685	5756	84191	5504
75°	48459	4621	56427	4369
80°	30865	3777	36160	3473
85°	15310	3229	20128	2948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.8	4.0
10°-20°	877.1	11.9
20°-30°	1333.4	18.0
30°-40°	1430.5	19.3
40°-50°	1241.5	16.8
50°-60°	920.1	12.4
60°-70°	527.2	7.1
70°-80°	291.9	3.9
80°-90°	177.8	2.4
90°-100°	115.6	1.6
100°-110°	77.4	1.0
110°-120°	52.3	0.7
120°-130°	32.1	0.4
130°-140°	16.9	0.2
140°-150°	7.7	0.1
150°-160°	2.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2505.3	33.9
0°-40°	3935.8	53.2
0°-60°	6097.3	82.4
0°-90°	7094.2	95.9
90°-120°	245.3	3.3
90°-150°	301.9	4.1
90°-180°	304.0	4.1
0°-180°	7398.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3103	3103	3103	3103	3103	
5°	3123	3067	3129	3091	3123	298
15°	3083	2996	3081	3336	3083	872
25°	2978	2802	2977	2708	2978	1377
35°	2816	1908	2824	1614	2816	1763
45°	2486	1223	2499	1191	2486	1903
55°	1734	917	1778	834	1734	1538
65°	787	465	848	441	787	793
75°	224	295	261	279	224	256
85°	30	204	40	186	30	40
90°	0	170	3	157	0	1
95°	2	140	0	133	2	1
105°	2	104	2	99	2	2
115°	2	85	2	77	2	2
125°	2	64	2	53	2	1
135°	2	40	2	34	2	1
145°	2	24	3	19	2	1
155°	3	11	3	10	3	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4
2.5°	3125.9	3117.9	3114.7	3108.2	3113.0	3132.3	3119.5	3098.6	3100.2	3063.4	3082.6
5°	3122.7	3113.0	3108.2	3101.8	3105.0	3122.7	3109.8	3089.0	3087.4	3050.5	3068.2
7.5°	3117.9	3108.2	3100.2	3095.4	3097.0	3111.4	3095.4	3071.4	3066.6	3026.5	3042.5
10°	3109.8	3103.4	3092.2	3084.2	3082.6	3098.6	3073.0	3048.9	3037.7	2996.0	3012.1
12.5°	3098.6	3089.0	3077.8	3063.4	3061.8	3071.4	3050.5	3016.9	3005.6	2972.0	2989.6
15°	3082.6	3071.4	3058.5	3042.5	3034.5	3040.9	3015.3	2984.8	2983.2	2954.3	2978.4
17.5°	3065.0	3048.9	3034.5	3012.1	3000.8	3005.6	2984.8	2957.6	2960.8	2943.1	2970.4
20°	3040.9	3023.3	3000.8	2978.4	2962.4	2970.4	2956.0	2935.1	2939.9	2927.1	2951.1
22.5°	3013.7	2989.6	2962.4	2936.7	2923.9	2935.1	2923.9	2906.3	2907.9	2899.8	2914.3
25°	2978.4	2951.1	2919.1	2887.0	2880.6	2888.6	2882.2	2867.8	2861.4	2848.6	2855.0
27.5°	2946.3	2915.9	2875.8	2842.1	2830.9	2846.9	2832.5	2808.5	2790.8	2773.2	2760.4
30°	2909.5	2872.6	2827.7	2789.2	2779.6	2786.0	2765.2	2728.3	2681.8	2659.4	2624.1
32.5°	2869.4	2821.3	2765.2	2721.9	2715.5	2710.7	2672.2	2619.3	2547.2	2502.3	2447.8
35°	2816.5	2763.6	2696.3	2643.4	2633.7	2606.5	2544.0	2473.4	2380.5	2303.5	2210.6
37.5°	2757.2	2694.7	2624.1	2553.6	2526.3	2471.8	2383.7	2309.9	2168.9	2075.9	1963.7
40°	2689.9	2614.5	2527.9	2443.0	2398.1	2309.9	2208.9	2099.9	1963.7	1838.7	1744.1
42.5°	2596.9	2516.7	2414.1	2319.6	2242.6	2125.6	2007.0	1853.1	1728.0	1622.2	1526.1
45°	2486.3	2390.1	2271.5	2157.7	2059.9	1920.4	1780.9	1627.1	1522.9	1399.4	1333.7
47.5°	2343.6	2239.4	2112.8	1986.1	1857.9	1704.0	1558.1	1410.6	1306.5	1218.3	1170.2
50°	2175.3	2079.1	1939.6	1789.0	1647.9	1487.6	1341.7	1231.1	1130.1	1075.6	1038.8
52.5°	1966.9	1877.1	1734.5	1571.0	1434.7	1277.6	1144.5	1054.8	982.6	942.6	929.7
55°	1734.5	1655.9	1514.8	1362.6	1223.1	1078.8	977.8	899.3	852.8	828.8	830.4
57.5°	1486.0	1425.1	1292.0	1155.8	1024.3	915.3	823.9	761.4	726.2	724.6	729.4
60°	1237.5	1192.6	1077.2	960.2	844.8	756.6	689.3	646.0	623.6	625.2	623.6
62.5°	1000.3	958.6	875.2	779.1	687.7	628.4	567.5	549.8	530.6	529.0	529.0
65°	787.1	755.0	687.7	618.8	549.8	511.4	480.9	460.1	445.6	442.4	444.0
67.5°	591.5	578.7	532.2	485.7	442.4	418.4	392.7	387.9	376.7	376.7	379.9
70°	440.8	431.2	405.6	378.3	360.7	344.6	331.8	331.8	330.2	328.6	336.6
72.5°	319.0	320.6	312.6	291.7	290.1	286.9	283.7	288.5	290.1	295.0	304.6
75°	224.4	229.2	229.2	226.0	232.4	240.5	245.3	253.3	262.9	269.3	280.5
77.5°	158.7	158.7	166.7	176.3	189.2	203.6	216.4	227.6	240.5	248.5	258.1
80°	102.6	107.4	120.2	137.9	155.5	174.7	192.4	206.8	219.6	232.4	238.8
82.5°	60.9	68.9	85.0	107.4	129.8	153.9	171.5	189.2	203.6	216.4	221.2
85°	30.5	41.7	60.9	85.0	109.0	134.7	157.1	173.1	189.2	200.4	206.8
87.5°	9.6	22.4	43.3	65.7	91.4	117.0	141.1	158.7	173.1	182.7	189.2
90°	0.0	11.2	30.5	54.5	78.5	104.2	126.6	145.9	160.3	168.3	173.1
92.5°	0.0	6.4	24.0	44.9	67.3	93.0	115.4	133.0	145.9	153.9	157.1
95°	1.6	4.8	17.6	36.9	59.3	83.4	104.2	120.2	133.0	141.1	142.7
97.5°	1.6	3.2	14.4	30.5	51.3	73.7	94.6	110.6	120.2	128.2	129.8
100°	1.6	3.2	11.2	27.3	44.9	65.7	85.0	99.4	110.6	117.0	118.6
102.5°	1.6	1.6	9.6	22.4	40.1	57.7	75.3	89.8	99.4	105.8	109.0
105°	1.6	1.6	8.0	19.2	35.3	51.3	67.3	81.8	89.8	96.2	99.4
107.5°	1.6	1.6	6.4	16.0	30.5	44.9	60.9	72.1	81.8	88.2	91.4
110°	1.6	1.6	4.8	14.4	25.6	40.1	52.9	64.1	73.7	80.2	83.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.6	1.6	4.8	12.8	22.4	35.3	46.5	57.7	65.7	72.1	76.9
115°	1.6	1.6	4.8	11.2	20.8	30.5	41.7	51.3	59.3	65.7	70.5
117.5°	1.6	1.6	4.8	9.6	17.6	27.3	36.9	46.5	52.9	59.3	64.1
120°	1.6	1.6	3.2	8.0	16.0	24.0	32.1	40.1	48.1	54.5	59.3
122.5°	1.6	1.6	3.2	8.0	12.8	20.8	28.9	35.3	43.3	48.1	52.9
125°	1.6	1.6	3.2	6.4	11.2	19.2	25.6	32.1	36.9	43.3	48.1
127.5°	1.6	1.6	3.2	6.4	9.6	16.0	22.4	28.9	33.7	38.5	41.7
130°	1.6	1.6	3.2	4.8	8.0	12.8	19.2	24.0	30.5	33.7	36.9
132.5°	1.6	1.6	1.6	4.8	6.4	9.6	14.4	20.8	25.6	30.5	32.1
135°	1.6	1.6	1.6	3.2	6.4	8.0	11.2	16.0	20.8	25.6	28.9
137.5°	1.6	1.6	1.6	3.2	4.8	8.0	9.6	12.8	17.6	20.8	25.6
140°	1.6	1.6	1.6	3.2	4.8	6.4	8.0	11.2	14.4	17.6	20.8
142.5°	1.6	1.6	1.6	3.2	3.2	4.8	6.4	9.6	11.2	14.4	17.6
145°	1.6	1.6	1.6	3.2	3.2	4.8	6.4	8.0	9.6	11.2	14.4
147.5°	1.6	1.6	1.6	3.2	3.2	3.2	4.8	6.4	8.0	9.6	11.2
150°	3.2	3.2	3.2	3.2	3.2	3.2	4.8	4.8	6.4	8.0	9.6
152.5°	3.2	3.2	3.2	3.2	3.2	3.2	4.8	4.8	4.8	6.4	8.0
155°	3.2	3.2	3.2	3.2	3.2	3.2	4.8	4.8	4.8	6.4	6.4
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4
2.5°	3076.2	3079.4	3098.6	3097.0	3093.8	3090.6	3090.6	3087.4	3090.6	3098.6	3095.4
5°	3060.1	3065.0	3079.4	3077.8	3074.6	3073.0	3071.4	3066.6	3069.8	3081.0	3077.8
7.5°	3031.3	3036.1	3048.9	3042.5	3037.7	3040.9	3032.9	3028.1	3034.5	3045.7	3044.1
10°	3000.8	3004.0	3020.1	3016.9	3008.9	3010.5	3002.4	2999.2	3007.2	3013.7	3015.3
12.5°	2980.0	2991.2	3005.6	3004.0	3002.4	3004.0	2996.0	2992.8	2997.6	3004.0	3002.4
15°	2975.2	2989.6	3005.6	3005.6	3007.2	3008.9	3000.8	2996.0	3000.8	3005.6	3004.0
17.5°	2970.4	2988.0	3002.4	3000.8	3002.4	3005.6	2992.8	2989.6	2996.0	3002.4	2999.2
20°	2954.3	2970.4	2980.0	2976.8	2976.8	2978.4	2962.4	2962.4	2972.0	2976.8	2978.4
22.5°	2909.5	2928.7	2928.7	2920.7	2920.7	2914.3	2909.5	2899.8	2911.1	2919.1	2925.5
25°	2842.1	2850.2	2840.5	2822.9	2813.3	2805.3	2782.8	2802.1	2802.1	2826.1	2834.1
27.5°	2747.6	2729.9	2702.7	2665.8	2657.8	2632.1	2617.7	2622.5	2630.5	2664.2	2689.9
30°	2592.1	2539.2	2492.7	2476.7	2441.4	2415.7	2390.1	2402.9	2417.3	2436.6	2489.5
32.5°	2386.9	2335.6	2260.2	2233.0	2196.1	2164.1	2133.6	2152.8	2178.5	2191.3	2249.0
35°	2151.2	2090.3	2021.4	1974.9	1936.4	1918.8	1880.3	1907.6	1934.8	1944.5	1994.1
37.5°	1901.2	1838.7	1777.7	1737.7	1700.8	1689.6	1663.9	1683.2	1704.0	1718.4	1760.1
40°	1663.9	1606.2	1559.7	1532.5	1506.8	1497.2	1487.6	1495.6	1511.6	1522.9	1554.9
42.5°	1460.3	1413.9	1381.8	1365.8	1348.1	1335.3	1336.9	1340.1	1348.1	1372.2	1386.6
45°	1282.4	1255.2	1234.3	1231.1	1219.9	1218.3	1216.7	1223.1	1227.9	1242.3	1253.6
47.5°	1139.7	1128.5	1123.7	1130.1	1134.9	1128.5	1131.7	1139.7	1149.4	1149.4	1147.8
50°	1027.5	1030.7	1037.1	1051.6	1061.2	1064.4	1067.6	1077.2	1078.8	1082.0	1077.2
52.5°	936.2	939.4	957.0	979.4	990.7	995.5	1001.9	1011.5	1011.5	1014.7	1008.3
55°	843.2	848.0	865.6	888.1	897.7	904.1	910.5	916.9	921.7	928.1	923.3
57.5°	740.6	755.0	766.2	772.7	779.1	783.9	788.7	790.3	799.9	801.5	809.5
60°	631.6	634.8	646.0	644.4	639.6	652.4	646.0	657.2	668.5	682.9	684.5
62.5°	527.4	529.0	537.0	533.8	540.2	538.6	543.4	543.4	551.4	557.8	565.9
65°	445.6	447.2	453.7	453.7	452.0	456.9	461.7	464.9	464.9	469.7	476.1
67.5°	384.7	389.5	395.9	399.1	402.4	402.4	407.2	408.8	412.0	413.6	416.8
70°	343.0	349.5	355.9	359.1	360.7	363.9	365.5	365.5	368.7	370.3	373.5
72.5°	312.6	319.0	323.8	323.8	327.0	328.6	328.6	330.2	331.8	335.0	338.2
75°	286.9	291.7	295.0	293.4	293.4	293.4	295.0	295.0	298.2	301.4	304.6
77.5°	262.9	267.7	267.7	264.5	264.5	264.5	264.5	266.1	267.7	270.9	274.1
80°	245.3	245.3	243.7	243.7	240.5	238.8	238.8	240.5	240.5	243.7	248.5
82.5°	226.0	226.0	224.4	222.8	221.2	219.6	219.6	221.2	222.8	224.4	227.6
85°	208.4	208.4	205.2	205.2	203.6	203.6	203.6	203.6	205.2	206.8	210.0
87.5°	190.8	189.2	187.6	185.9	185.9	185.9	185.9	185.9	187.6	190.8	192.4
90°	173.1	171.5	169.9	169.9	168.3	168.3	169.9	169.9	171.5	173.1	174.7
92.5°	157.1	155.5	153.9	153.9	152.3	152.3	153.9	152.3	155.5	155.5	157.1
95°	142.7	141.1	139.5	139.5	139.5	139.5	139.5	139.5	141.1	141.1	142.7
97.5°	129.8	128.2	126.6	126.6	128.2	126.6	128.2	128.2	128.2	129.8	131.4
100°	118.6	117.0	117.0	118.6	117.0	117.0	118.6	118.6	118.6	118.6	120.2
102.5°	109.0	109.0	109.0	109.0	109.0	109.0	110.6	110.6	110.6	110.6	112.2
105°	99.4	101.0	101.0	101.0	102.6	102.6	102.6	104.2	104.2	104.2	104.2
107.5°	93.0	94.6	94.6	96.2	96.2	97.8	97.8	97.8	97.8	99.4	99.4
110°	86.6	88.2	89.8	91.4	91.4	93.0	93.0	93.0	93.0	93.0	93.0



TEST NUMBER: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	80.2	81.8	83.4	86.6	88.2	88.2	88.2	88.2	89.8	89.8	88.2
115°	73.7	76.9	78.5	81.8	83.4	83.4	85.0	85.0	85.0	85.0	83.4
117.5°	67.3	72.1	73.7	76.9	78.5	78.5	80.2	80.2	80.2	80.2	78.5
120°	62.5	65.7	68.9	70.5	72.1	73.7	73.7	75.3	75.3	75.3	73.7
122.5°	57.7	60.9	64.1	65.7	67.3	68.9	68.9	68.9	68.9	68.9	68.9
125°	51.3	54.5	57.7	59.3	60.9	62.5	62.5	64.1	64.1	64.1	62.5
127.5°	46.5	49.7	51.3	54.5	56.1	56.1	57.7	57.7	57.7	57.7	56.1
130°	40.1	43.3	46.5	48.1	49.7	49.7	51.3	51.3	51.3	51.3	51.3
132.5°	35.3	38.5	40.1	43.3	43.3	44.9	44.9	46.5	46.5	46.5	44.9
135°	32.1	33.7	35.3	38.5	38.5	40.1	40.1	40.1	40.1	40.1	40.1
137.5°	28.9	30.5	32.1	33.7	33.7	35.3	35.3	35.3	35.3	36.9	35.3
140°	24.0	27.3	28.9	28.9	30.5	30.5	30.5	32.1	32.1	32.1	30.5
142.5°	20.8	22.4	24.0	25.6	27.3	27.3	27.3	27.3	28.9	27.3	27.3
145°	16.0	19.2	20.8	22.4	24.0	24.0	24.0	24.0	24.0	24.0	24.0
147.5°	12.8	14.4	17.6	19.2	19.2	20.8	20.8	20.8	20.8	20.8	20.8
150°	11.2	11.2	14.4	16.0	17.6	17.6	17.6	17.6	17.6	17.6	17.6
152.5°	8.0	9.6	11.2	12.8	14.4	14.4	14.4	14.4	14.4	14.4	14.4
155°	8.0	8.0	9.6	9.6	11.2	11.2	11.2	11.2	12.8	11.2	11.2
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: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4
2.5°	3090.6	3089.0	3095.4	3089.0	3056.9	3069.8	3065.0	3082.6	3084.2	3089.0	3105.0
5°	3074.6	3074.6	3082.6	3076.2	3045.7	3058.5	3056.9	3074.6	3077.8	3081.0	3098.6
7.5°	3042.5	3044.1	3055.3	3050.5	3018.5	3037.7	3036.1	3056.9	3063.4	3069.8	3085.8
10°	3012.1	3010.5	3023.3	3018.5	2988.0	3010.5	3008.9	3029.7	3039.3	3050.5	3069.8
12.5°	2996.0	2991.2	2996.0	2991.2	2957.6	2975.2	2976.8	3000.8	3012.1	3026.5	3048.9
15°	2996.0	2988.0	2988.0	2978.4	2939.9	2951.1	2952.7	2968.8	2983.2	2997.6	3024.9
17.5°	2992.8	2984.8	2983.2	2975.2	2933.5	2933.5	2931.9	2943.1	2951.1	2965.6	2994.4
20°	2975.2	2972.0	2970.4	2965.6	2927.1	2920.7	2917.5	2917.5	2922.3	2927.1	2956.0
22.5°	2928.7	2931.9	2935.1	2938.3	2907.9	2896.6	2898.2	2895.0	2890.2	2890.2	2914.3
25°	2842.1	2858.2	2871.0	2885.4	2867.8	2859.8	2869.4	2864.6	2856.6	2850.2	2871.0
27.5°	2704.3	2737.9	2765.2	2800.5	2802.1	2795.7	2821.3	2818.1	2816.5	2806.9	2822.9
30°	2513.5	2566.4	2603.3	2654.6	2697.9	2704.3	2747.6	2754.0	2760.4	2755.6	2771.6
32.5°	2282.7	2354.8	2417.3	2497.5	2539.2	2576.0	2637.0	2662.6	2688.2	2696.3	2713.9
35°	2031.0	2112.8	2186.5	2274.7	2340.4	2420.5	2494.3	2532.8	2590.5	2612.9	2638.6
37.5°	1792.2	1869.1	1941.2	2029.4	2135.2	2218.6	2309.9	2396.5	2475.0	2507.1	2545.6
40°	1580.6	1643.1	1712.0	1789.0	1885.1	1994.1	2093.5	2213.8	2306.7	2370.9	2427.0
42.5°	1420.3	1450.7	1510.0	1579.0	1655.9	1766.5	1867.5	2002.2	2114.4	2205.7	2298.7
45°	1277.6	1292.0	1335.3	1372.2	1450.7	1548.5	1655.9	1787.4	1904.4	2021.4	2133.6
47.5°	1155.8	1173.4	1194.2	1216.7	1272.8	1354.5	1447.5	1566.1	1683.2	1819.4	1947.7
50°	1074.0	1078.8	1082.0	1091.7	1125.3	1181.4	1256.8	1357.8	1470.0	1615.8	1752.1
52.5°	1001.9	1001.9	992.3	987.5	1000.3	1035.5	1078.8	1151.0	1266.4	1401.0	1545.3
55°	924.9	910.5	907.3	891.3	894.5	910.5	931.3	987.5	1082.0	1197.4	1336.9
57.5°	817.5	811.1	811.1	804.7	791.9	799.9	804.7	844.8	912.1	1011.5	1133.3
60°	694.1	690.9	698.9	700.5	689.3	694.1	692.5	716.5	764.6	844.8	945.8
62.5°	570.7	585.1	586.7	593.1	586.7	585.1	593.1	614.0	638.0	698.9	777.5
65°	479.3	487.3	488.9	496.9	493.7	493.7	500.1	516.2	530.6	572.3	633.2
67.5°	420.0	416.8	418.4	423.2	418.4	416.8	421.6	431.2	442.4	468.1	511.4
70°	373.5	370.3	370.3	370.3	363.9	359.1	360.7	363.9	368.7	383.1	410.4
72.5°	338.2	338.2	333.4	328.6	323.8	320.6	317.4	314.2	312.6	317.4	331.8
75°	306.2	307.8	306.2	301.4	295.0	288.5	282.1	275.7	267.7	264.5	266.1
77.5°	277.3	278.9	280.5	278.9	272.5	264.5	254.9	245.3	234.0	222.8	216.4
80°	251.7	254.9	256.5	254.9	250.1	243.7	232.4	221.2	205.2	190.8	174.7
82.5°	229.2	234.0	235.6	235.6	232.4	226.0	213.2	200.4	182.7	163.5	142.7
85°	211.6	214.8	218.0	218.0	216.4	210.0	197.2	182.7	165.1	142.7	120.2
87.5°	194.0	195.6	198.8	202.0	198.8	192.4	181.1	165.1	147.5	125.0	99.4
90°	176.3	177.9	181.1	184.3	182.7	176.3	166.7	152.3	133.0	109.0	83.4
92.5°	158.7	161.9	163.5	165.1	166.7	161.9	153.9	139.5	120.2	96.2	72.1
95°	145.9	145.9	149.1	150.7	152.3	147.5	141.1	126.6	109.0	86.6	62.5
97.5°	133.0	133.0	136.3	136.3	137.9	134.7	128.2	115.4	97.8	76.9	52.9
100°	120.2	121.8	123.4	125.0	125.0	123.4	117.0	104.2	88.2	68.9	46.5
102.5°	112.2	112.2	113.8	113.8	115.4	112.2	105.8	94.6	78.5	60.9	40.1
105°	104.2	104.2	105.8	105.8	104.2	101.0	94.6	85.0	70.5	52.9	35.3
107.5°	97.8	97.8	97.8	97.8	96.2	93.0	86.6	75.3	62.5	48.1	32.1
110°	93.0	91.4	91.4	89.8	88.2	83.4	76.9	67.3	56.1	41.7	27.3



TEST NUMBER: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	88.2	86.6	85.0	83.4	80.2	75.3	68.9	60.9	49.7	36.9	24.0
115°	83.4	81.8	80.2	76.9	73.7	68.9	62.5	54.5	43.3	32.1	20.8
117.5°	78.5	76.9	73.7	70.5	67.3	62.5	56.1	48.1	38.5	28.9	19.2
120°	72.1	70.5	68.9	65.7	62.5	56.1	49.7	43.3	33.7	25.6	16.0
122.5°	67.3	65.7	62.5	60.9	56.1	51.3	44.9	38.5	30.5	22.4	14.4
125°	60.9	59.3	57.7	54.5	51.3	44.9	40.1	33.7	27.3	19.2	11.2
127.5°	56.1	54.5	51.3	48.1	44.9	40.1	35.3	30.5	24.0	16.0	11.2
130°	49.7	48.1	46.5	43.3	40.1	35.3	32.1	25.6	20.8	14.4	9.6
132.5°	43.3	43.3	41.7	38.5	35.3	32.1	27.3	22.4	17.6	12.8	8.0
135°	40.1	38.5	36.9	33.7	32.1	27.3	24.0	19.2	14.4	11.2	6.4
137.5°	35.3	33.7	32.1	30.5	27.3	24.0	20.8	16.0	12.8	9.6	6.4
140°	30.5	28.9	28.9	25.6	24.0	20.8	17.6	14.4	11.2	8.0	4.8
142.5°	27.3	25.6	24.0	22.4	20.8	17.6	14.4	11.2	9.6	6.4	4.8
145°	24.0	22.4	20.8	19.2	17.6	14.4	12.8	9.6	8.0	6.4	4.8
147.5°	19.2	19.2	17.6	16.0	14.4	12.8	11.2	9.6	6.4	4.8	3.2
150°	16.0	16.0	14.4	12.8	12.8	11.2	9.6	8.0	6.4	4.8	3.2
152.5°	14.4	12.8	12.8	11.2	11.2	9.6	8.0	6.4	4.8	4.8	3.2
155°	11.2	11.2	11.2	9.6	9.6	8.0	6.4	6.4	4.8	3.2	3.2
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: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4
2.5°	3108.2	3089.0	3105.0	3133.9	3130.7	3127.5	3124.3	3130.7	3151.5	3140.3	3122.7
5°	3103.4	3084.2	3101.8	3129.1	3127.5	3122.7	3119.5	3125.9	3146.7	3135.5	3116.3
7.5°	3093.8	3076.2	3089.0	3116.3	3116.3	3113.0	3109.8	3116.3	3135.5	3125.9	3106.6
10°	3077.8	3065.0	3077.8	3103.4	3105.0	3098.6	3095.4	3103.4	3122.7	3117.9	3101.8
12.5°	3065.0	3052.1	3066.6	3092.2	3093.8	3087.4	3082.6	3092.2	3117.9	3121.1	3116.3
15°	3047.3	3036.1	3053.7	3081.0	3081.0	3076.2	3076.2	3089.0	3124.3	3138.7	3146.7
17.5°	3021.7	3013.7	3034.5	3061.8	3063.4	3060.1	3061.8	3087.4	3133.9	3169.2	3191.6
20°	2989.6	2986.4	3008.9	3037.7	3042.5	3044.1	3052.1	3090.6	3154.7	3202.8	3225.3
22.5°	2951.1	2952.7	2978.4	3008.9	3015.3	3020.1	3036.1	3090.6	3170.8	3222.1	3231.7
25°	2907.9	2912.7	2939.9	2976.8	2984.8	2994.4	3021.7	3092.2	3175.6	3209.2	3193.2
27.5°	2861.4	2871.0	2906.3	2944.7	2954.3	2970.4	3005.6	3082.6	3153.1	3154.7	3095.4
30°	2813.3	2824.5	2866.2	2911.1	2927.1	2943.1	2986.4	3060.1	3098.6	3047.3	2943.1
32.5°	2758.8	2774.8	2816.5	2871.0	2890.2	2911.1	2954.3	3016.9	3002.4	2891.8	2742.8
35°	2689.9	2712.3	2760.4	2824.5	2842.1	2869.4	2899.8	2914.3	2850.2	2693.1	2524.7
37.5°	2604.9	2638.6	2694.7	2768.4	2787.6	2805.3	2813.3	2773.2	2645.0	2475.0	2300.3
40°	2507.1	2558.4	2619.3	2701.1	2720.3	2720.3	2691.5	2606.5	2444.6	2221.8	2027.8
42.5°	2388.5	2451.0	2527.9	2609.7	2628.9	2606.5	2537.6	2388.5	2204.1	1955.7	1750.5
45°	2244.2	2327.6	2414.1	2499.1	2508.7	2459.0	2335.6	2146.4	1918.8	1688.0	1492.4
47.5°	2072.7	2181.7	2276.3	2372.5	2359.6	2276.3	2111.2	1896.4	1655.9	1437.9	1280.8
50°	1880.3	2008.6	2114.4	2205.7	2178.5	2063.1	1869.1	1644.7	1405.8	1219.9	1090.0
52.5°	1675.1	1822.6	1928.4	2002.2	1965.3	1827.4	1614.2	1399.4	1203.9	1033.9	947.4
55°	1461.9	1611.0	1720.0	1777.7	1729.6	1580.6	1370.6	1175.0	990.7	880.1	828.8
57.5°	1255.2	1394.6	1497.2	1543.7	1482.8	1333.7	1139.7	974.6	841.6	748.6	723.0
60°	1056.4	1170.2	1268.0	1303.2	1237.5	1099.7	933.0	801.5	703.7	639.6	626.8
62.5°	872.0	965.0	1042.0	1069.2	1005.1	897.7	753.4	655.6	586.7	554.6	538.6
65°	719.8	774.3	852.8	848.0	809.5	710.1	604.3	535.4	490.5	469.7	460.1
67.5°	565.9	615.6	665.2	671.7	623.6	554.6	485.7	436.0	412.0	400.8	395.9
70°	437.6	474.5	504.9	496.9	471.3	428.0	384.7	357.5	347.9	343.0	343.0
72.5°	339.8	359.1	373.5	363.9	347.9	325.4	304.6	293.4	295.0	298.2	301.4
75°	262.9	267.7	270.9	261.3	258.1	243.7	242.1	243.7	253.3	262.9	267.7
77.5°	202.0	195.6	190.8	181.1	182.7	181.1	189.2	202.0	216.4	230.8	243.7
80°	155.5	141.1	129.8	120.2	125.0	133.0	149.1	168.3	187.6	203.6	219.6
82.5°	120.2	99.4	83.4	73.7	83.4	96.2	117.0	141.1	163.5	181.1	198.8
85°	93.0	68.9	49.7	40.1	49.7	68.9	91.4	118.6	142.7	161.9	179.5
87.5°	72.1	49.7	27.3	16.0	27.3	48.1	73.7	99.4	123.4	145.9	163.5
90°	57.7	33.7	12.8	3.2	14.4	33.7	57.7	83.4	107.4	131.4	149.1
92.5°	46.5	24.0	6.4	0.0	8.0	25.6	48.1	72.1	96.2	118.6	136.3
95°	38.5	19.2	4.8	0.0	6.4	19.2	38.5	62.5	85.0	107.4	121.8
97.5°	32.1	14.4	3.2	0.0	3.2	16.0	32.1	52.9	75.3	96.2	110.6
100°	27.3	12.8	3.2	0.0	3.2	12.8	27.3	46.5	65.7	85.0	99.4
102.5°	22.4	9.6	1.6	1.6	1.6	9.6	24.0	40.1	57.7	75.3	89.8
105°	20.8	8.0	1.6	1.6	1.6	8.0	20.8	35.3	51.3	67.3	80.2
107.5°	17.6	6.4	1.6	1.6	1.6	6.4	17.6	30.5	46.5	60.9	72.1
110°	14.4	6.4	1.6	1.6	1.6	6.4	14.4	27.3	40.1	52.9	64.1



TEST NUMBER: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	12.8	4.8	1.6	1.6	1.6	4.8	12.8	24.0	35.3	48.1	57.7
115°	11.2	4.8	1.6	1.6	1.6	4.8	11.2	20.8	30.5	41.7	51.3
117.5°	9.6	4.8	1.6	1.6	1.6	3.2	9.6	17.6	27.3	36.9	46.5
120°	8.0	3.2	1.6	1.6	1.6	3.2	8.0	16.0	24.0	32.1	40.1
122.5°	8.0	3.2	1.6	1.6	1.6	3.2	6.4	12.8	20.8	27.3	35.3
125°	6.4	3.2	1.6	1.6	1.6	1.6	6.4	11.2	17.6	24.0	30.5
127.5°	6.4	3.2	1.6	1.6	1.6	1.6	4.8	9.6	14.4	20.8	27.3
130°	4.8	3.2	1.6	1.6	1.6	1.6	3.2	8.0	12.8	17.6	22.4
132.5°	4.8	3.2	1.6	1.6	1.6	1.6	3.2	6.4	9.6	14.4	19.2
135°	4.8	1.6	1.6	1.6	1.6	1.6	1.6	4.8	8.0	11.2	14.4
137.5°	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	6.4	8.0	12.8
140°	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.8	6.4	9.6
142.5°	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	4.8	8.0
145°	3.2	1.6	1.6	3.2	3.2	1.6	1.6	3.2	3.2	4.8	6.4
147.5°	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	4.8
150°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.8
152.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
155°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
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: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4
2.5°	3119.5	3082.6	3101.8	3095.4	3101.8	3117.9	3116.3	3111.4	3114.7	3106.6	3098.6
5°	3113.0	3076.2	3095.4	3087.4	3095.4	3111.4	3108.2	3103.4	3108.2	3098.6	3090.6
7.5°	3105.0	3071.4	3093.8	3092.2	3106.6	3127.5	3129.1	3129.1	3140.3	3125.9	3119.5
10°	3105.0	3087.4	3117.9	3129.1	3165.9	3193.2	3196.4	3202.8	3222.1	3218.8	3202.8
12.5°	3138.7	3135.5	3180.4	3207.6	3241.3	3279.8	3300.6	3307.0	3319.8	3310.2	3303.8
15°	3182.0	3198.0	3247.7	3278.2	3315.0	3343.9	3348.7	3351.9	3361.5	3347.1	3335.9
17.5°	3239.7	3249.3	3289.4	3302.2	3326.2	3331.1	3324.6	3308.6	3308.6	3276.6	3266.9
20°	3266.9	3262.1	3278.2	3257.3	3247.7	3218.8	3191.6	3161.1	3159.5	3125.9	3122.7
22.5°	3242.9	3210.8	3177.2	3125.9	3103.4	3061.8	3024.9	3007.2	2996.0	2952.7	2941.5
25°	3157.9	3079.4	3029.7	2968.8	2914.3	2866.2	2830.9	2794.0	2758.8	2723.5	2707.5
27.5°	3010.5	2936.7	2856.6	2771.6	2696.3	2622.5	2563.2	2526.3	2492.7	2446.2	2422.1
30°	2829.3	2726.7	2638.6	2556.8	2433.4	2343.6	2293.9	2220.2	2194.5	2173.7	2128.8
32.5°	2616.1	2492.7	2372.5	2261.8	2135.2	2051.9	1986.1	1931.6	1915.6	1861.1	1848.3
35°	2380.5	2218.6	2082.3	1973.3	1881.9	1780.9	1726.4	1689.6	1657.5	1620.6	1614.2
37.5°	2103.2	1957.3	1803.4	1707.2	1635.1	1548.5	1506.8	1481.2	1466.8	1439.5	1434.7
40°	1824.2	1678.4	1572.6	1476.4	1431.5	1385.0	1354.5	1343.3	1336.9	1327.3	1317.7
42.5°	1571.0	1442.7	1367.4	1303.2	1284.0	1261.6	1253.6	1260.0	1253.6	1250.3	1248.7
45°	1356.1	1258.4	1205.5	1186.2	1181.4	1175.0	1181.4	1192.6	1194.2	1191.0	1191.0
47.5°	1160.6	1114.1	1091.7	1094.9	1102.9	1107.7	1118.9	1133.3	1136.5	1128.5	1131.7
50°	1032.3	1005.1	1000.3	1013.1	1030.7	1037.1	1050.0	1061.2	1059.6	1056.4	1053.2
52.5°	912.1	904.1	916.9	929.7	949.0	952.2	957.0	961.8	960.2	953.8	950.6
55°	811.1	817.5	828.8	833.6	848.0	846.4	848.0	848.0	841.6	838.4	833.6
57.5°	719.8	721.4	727.8	729.4	737.4	734.2	732.6	729.4	719.8	718.1	713.3
60°	626.8	623.6	638.0	626.8	633.2	626.8	625.2	617.2	607.5	605.9	602.7
62.5°	538.6	532.2	541.8	537.0	540.2	533.8	530.6	521.0	513.0	511.4	509.8
65°	460.1	456.9	466.5	464.9	468.1	460.1	456.9	450.4	444.0	442.4	440.8
67.5°	394.3	402.4	407.2	407.2	410.4	408.8	400.8	399.1	397.5	391.1	391.1
70°	346.3	351.1	360.7	362.3	360.7	363.9	357.5	355.9	354.3	351.1	349.5
72.5°	307.8	314.2	323.8	325.4	323.8	323.8	320.6	319.0	319.0	314.2	314.2
75°	277.3	285.3	293.4	293.4	293.4	290.1	286.9	286.9	283.7	282.1	278.9
77.5°	251.7	261.3	267.7	266.1	264.5	261.3	261.3	256.5	251.7	251.7	248.5
80°	232.4	238.8	243.7	242.1	240.5	235.6	234.0	229.2	226.0	221.2	221.2
82.5°	211.6	219.6	222.8	221.2	218.0	213.2	211.6	208.4	205.2	203.6	200.4
85°	194.0	202.0	203.6	200.4	197.2	194.0	192.4	190.8	189.2	185.9	185.9
87.5°	176.3	184.3	184.3	182.7	179.5	177.9	176.3	174.7	173.1	171.5	169.9
90°	161.9	168.3	168.3	166.7	165.1	163.5	161.9	160.3	158.7	157.1	157.1
92.5°	147.5	153.9	153.9	152.3	150.7	149.1	149.1	147.5	145.9	144.3	142.7
95°	134.7	141.1	141.1	141.1	139.5	137.9	137.9	136.3	134.7	134.7	133.0
97.5°	121.8	128.2	128.2	128.2	126.6	125.0	125.0	123.4	123.4	123.4	121.8
100°	110.6	115.4	117.0	117.0	115.4	115.4	115.4	113.8	113.8	113.8	112.2
102.5°	99.4	104.2	107.4	107.4	107.4	105.8	105.8	105.8	105.8	105.8	104.2
105°	89.8	94.6	97.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
107.5°	81.8	86.6	89.8	91.4	93.0	93.0	94.6	94.6	94.6	94.6	94.6
110°	73.7	78.5	83.4	85.0	86.6	88.2	88.2	89.8	88.2	88.2	88.2



TEST NUMBER: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	65.7	72.1	75.3	78.5	80.2	81.8	83.4	83.4	83.4	83.4	83.4
115°	59.3	65.7	68.9	72.1	75.3	76.9	76.9	78.5	78.5	78.5	76.9
117.5°	52.9	59.3	62.5	65.7	67.3	70.5	72.1	72.1	72.1	72.1	70.5
120°	48.1	52.9	56.1	59.3	62.5	64.1	65.7	65.7	65.7	65.7	65.7
122.5°	41.7	46.5	51.3	54.5	56.1	57.7	59.3	59.3	59.3	59.3	59.3
125°	36.9	41.7	44.9	48.1	49.7	52.9	52.9	52.9	52.9	52.9	52.9
127.5°	32.1	36.9	40.1	43.3	44.9	46.5	48.1	48.1	48.1	48.1	48.1
130°	27.3	32.1	35.3	38.5	40.1	41.7	41.7	43.3	43.3	43.3	43.3
132.5°	24.0	27.3	30.5	33.7	35.3	36.9	36.9	38.5	38.5	38.5	38.5
135°	19.2	24.0	25.6	28.9	30.5	32.1	32.1	33.7	33.7	33.7	33.7
137.5°	16.0	19.2	22.4	25.6	27.3	27.3	28.9	28.9	30.5	30.5	30.5
140°	12.8	14.4	19.2	20.8	22.4	24.0	25.6	25.6	25.6	25.6	25.6
142.5°	9.6	12.8	14.4	17.6	19.2	20.8	22.4	22.4	22.4	22.4	22.4
145°	8.0	9.6	11.2	14.4	16.0	17.6	19.2	19.2	19.2	19.2	19.2
147.5°	6.4	8.0	9.6	11.2	12.8	14.4	16.0	16.0	16.0	16.0	16.0
150°	4.8	6.4	8.0	8.0	9.6	11.2	12.8	14.4	14.4	14.4	14.4
152.5°	4.8	4.8	6.4	6.4	8.0	9.6	11.2	11.2	11.2	11.2	11.2
155°	3.2	4.8	4.8	4.8	6.4	6.4	8.0	9.6	9.6	9.6	9.6
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: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4
2.5°	3103.4	3109.8	3106.6	3101.8	3100.2	3108.2	3100.2	3063.4	3077.8	3079.4	3090.6
5°	3098.6	3103.4	3100.2	3097.0	3092.2	3101.8	3092.2	3053.7	3068.2	3069.8	3081.0
7.5°	3130.7	3132.3	3132.3	3124.3	3111.4	3116.3	3103.4	3060.1	3068.2	3068.2	3076.2
10°	3210.8	3214.0	3218.8	3198.0	3182.0	3169.2	3151.5	3098.6	3097.0	3084.2	3084.2
12.5°	3315.0	3307.0	3299.0	3289.4	3276.6	3260.5	3234.9	3172.4	3151.5	3130.7	3109.8
15°	3345.5	3342.3	3340.7	3335.9	3327.9	3323.0	3303.8	3241.3	3210.8	3185.2	3148.3
17.5°	3265.3	3271.7	3292.6	3294.2	3303.8	3323.0	3319.8	3276.6	3249.3	3238.1	3193.2
20°	3121.1	3122.7	3148.3	3159.5	3201.2	3233.3	3257.3	3252.5	3246.1	3258.9	3225.3
22.5°	2947.9	2959.2	2986.4	3004.0	3044.1	3081.0	3119.5	3140.3	3174.0	3226.9	3220.4
25°	2712.3	2726.7	2765.2	2794.0	2850.2	2906.3	2957.6	2994.4	3034.5	3135.5	3169.2
27.5°	2430.2	2452.6	2502.3	2531.2	2609.7	2667.4	2741.1	2813.3	2869.4	2984.8	3053.7
30°	2133.6	2152.8	2205.7	2245.8	2313.1	2391.7	2484.7	2587.3	2680.2	2797.3	2883.8
32.5°	1856.3	1877.1	1920.4	1955.7	2031.0	2096.7	2199.3	2326.0	2412.5	2574.4	2689.9
35°	1614.2	1633.5	1663.9	1694.4	1756.9	1824.2	1912.4	2035.8	2146.4	2314.7	2460.6
37.5°	1444.3	1447.5	1465.2	1482.8	1529.3	1580.6	1649.5	1758.5	1861.1	2042.2	2202.5
40°	1322.5	1322.5	1332.1	1336.9	1357.8	1388.2	1431.5	1516.4	1601.4	1739.3	1934.8
42.5°	1247.1	1243.9	1243.9	1245.5	1243.9	1258.4	1284.0	1324.1	1399.4	1513.2	1665.5
45°	1191.0	1184.6	1179.8	1168.6	1162.2	1162.2	1163.8	1178.2	1221.5	1295.2	1418.7
47.5°	1128.5	1126.9	1118.9	1106.1	1094.9	1086.8	1074.0	1069.2	1082.0	1123.7	1207.1
50°	1056.4	1048.4	1040.4	1030.7	1017.9	1009.9	985.9	987.5	976.2	995.5	1038.8
52.5°	950.6	944.2	941.0	933.0	928.1	924.9	905.7	886.5	881.7	884.9	900.9
55°	833.6	836.8	823.9	830.4	828.8	814.3	806.3	791.9	787.1	785.5	793.5
57.5°	711.7	714.9	706.9	713.3	713.3	705.3	700.5	700.5	689.3	679.7	690.9
60°	601.1	594.7	599.5	607.5	607.5	602.7	599.5	599.5	591.5	588.3	596.3
62.5°	511.4	504.9	509.8	517.8	519.4	516.2	513.0	513.0	503.3	503.3	509.8
65°	442.4	444.0	442.4	448.8	448.8	450.4	447.2	444.0	432.8	437.6	436.0
67.5°	392.7	391.1	391.1	397.5	395.9	399.1	395.9	391.1	383.1	376.7	375.1
70°	351.1	349.5	349.5	352.7	354.3	354.3	352.7	349.5	338.2	331.8	327.0
72.5°	314.2	312.6	314.2	315.8	317.4	319.0	317.4	314.2	304.6	296.6	288.5
75°	280.5	278.9	283.7	283.7	285.3	285.3	286.9	285.3	277.3	267.7	258.1
77.5°	246.9	248.5	253.3	254.9	258.1	259.7	261.3	261.3	253.3	245.3	232.4
80°	219.6	222.8	226.0	227.6	230.8	235.6	237.2	238.8	232.4	224.4	210.0
82.5°	200.4	202.0	205.2	206.8	211.6	213.2	214.8	218.0	214.8	206.8	190.8
85°	184.3	185.9	189.2	189.2	192.4	195.6	197.2	198.8	197.2	189.2	173.1
87.5°	169.9	171.5	173.1	174.7	176.3	177.9	179.5	181.1	179.5	171.5	157.1
90°	157.1	157.1	158.7	158.7	160.3	161.9	165.1	165.1	163.5	157.1	142.7
92.5°	142.7	144.3	144.3	145.9	147.5	149.1	150.7	150.7	149.1	142.7	129.8
95°	133.0	133.0	134.7	134.7	136.3	136.3	137.9	137.9	136.3	129.8	117.0
97.5°	121.8	121.8	121.8	121.8	123.4	123.4	125.0	125.0	123.4	117.0	105.8
100°	112.2	112.2	112.2	112.2	112.2	113.8	113.8	113.8	112.2	105.8	94.6
102.5°	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	101.0	96.2	85.0
105°	99.4	99.4	99.4	97.8	97.8	97.8	96.2	96.2	91.4	86.6	76.9
107.5°	93.0	93.0	93.0	91.4	91.4	89.8	88.2	88.2	83.4	78.5	68.9
110°	88.2	88.2	88.2	86.6	85.0	83.4	81.8	80.2	75.3	68.9	60.9



TEST NUMBER: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	83.4	83.4	81.8	81.8	80.2	78.5	75.3	73.7	68.9	62.5	54.5
115°	76.9	76.9	76.9	75.3	73.7	72.1	70.5	67.3	62.5	56.1	48.1
117.5°	70.5	70.5	70.5	68.9	67.3	65.7	64.1	60.9	56.1	49.7	43.3
120°	64.1	64.1	64.1	62.5	60.9	59.3	57.7	54.5	49.7	44.9	36.9
122.5°	59.3	59.3	57.7	56.1	54.5	52.9	51.3	48.1	44.9	38.5	32.1
125°	52.9	52.9	51.3	51.3	49.7	48.1	46.5	43.3	38.5	33.7	28.9
127.5°	48.1	46.5	46.5	46.5	44.9	43.3	40.1	38.5	33.7	28.9	24.0
130°	41.7	41.7	41.7	40.1	40.1	38.5	35.3	32.1	28.9	25.6	20.8
132.5°	36.9	36.9	36.9	36.9	35.3	33.7	30.5	28.9	25.6	20.8	17.6
135°	33.7	33.7	32.1	32.1	30.5	28.9	27.3	24.0	20.8	17.6	14.4
137.5°	28.9	28.9	28.9	27.3	27.3	25.6	22.4	20.8	19.2	16.0	12.8
140°	25.6	25.6	24.0	24.0	22.4	22.4	20.8	17.6	16.0	12.8	11.2
142.5°	22.4	22.4	20.8	20.8	19.2	19.2	17.6	16.0	12.8	11.2	8.0
145°	19.2	19.2	17.6	17.6	17.6	16.0	14.4	12.8	11.2	9.6	8.0
147.5°	16.0	16.0	16.0	14.4	14.4	12.8	12.8	11.2	9.6	8.0	6.4
150°	14.4	14.4	12.8	12.8	12.8	11.2	9.6	9.6	8.0	6.4	4.8
152.5°	11.2	11.2	11.2	11.2	9.6	9.6	8.0	8.0	6.4	4.8	4.8
155°	9.6	9.6	9.6	8.0	8.0	8.0	6.4	6.4	4.8	4.8	3.2
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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CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4	3103.4
2.5°	3085.8	3084.2	3098.6	3097.0	3077.8	3106.6	3125.9
5°	3077.8	3076.2	3089.0	3092.2	3071.4	3101.8	3122.7
7.5°	3071.4	3069.8	3084.2	3089.0	3068.2	3095.4	3117.9
10°	3073.0	3065.0	3077.8	3081.0	3061.8	3090.6	3109.8
12.5°	3084.2	3065.0	3069.8	3069.8	3052.1	3077.8	3098.6
15°	3111.4	3071.4	3065.0	3060.1	3037.7	3061.8	3082.6
17.5°	3141.9	3087.4	3065.0	3048.9	3021.7	3042.5	3065.0
20°	3172.4	3105.0	3068.2	3042.5	3005.6	3024.9	3040.9
22.5°	3186.8	3121.1	3071.4	3032.9	2986.4	2996.0	3013.7
25°	3167.5	3114.7	3065.0	3018.5	2962.4	2964.0	2978.4
27.5°	3097.0	3082.6	3050.5	3004.0	2943.1	2935.1	2946.3
30°	2976.8	3016.9	3018.5	2984.8	2920.7	2904.7	2909.5
32.5°	2808.5	2898.2	2951.1	2944.7	2888.6	2866.2	2869.4
35°	2614.5	2726.7	2842.1	2880.6	2840.5	2822.9	2816.5
37.5°	2382.1	2532.8	2686.6	2781.2	2774.8	2763.6	2757.2
40°	2125.6	2306.7	2489.5	2640.2	2686.6	2686.6	2689.9
42.5°	1851.5	2063.1	2263.5	2454.2	2563.2	2587.3	2596.9
45°	1587.0	1800.2	2018.2	2237.8	2383.7	2459.0	2486.3
47.5°	1346.5	1561.3	1768.1	2008.6	2202.5	2300.3	2343.6
50°	1141.3	1301.6	1519.7	1758.5	1970.1	2090.3	2175.3
52.5°	971.4	1096.5	1287.2	1510.0	1723.2	1888.3	1966.9
55°	828.8	913.7	1075.6	1268.0	1471.6	1643.1	1734.5
57.5°	708.5	775.9	886.5	1046.8	1218.3	1388.2	1486.0
60°	602.7	649.2	724.6	851.2	997.1	1142.9	1237.5
62.5°	511.4	541.8	591.5	684.5	798.3	912.1	1000.3
65°	440.8	453.7	480.9	538.6	625.2	711.7	787.1
67.5°	371.9	379.9	400.8	436.0	479.3	541.8	591.5
70°	320.6	320.6	322.2	343.0	365.5	405.6	440.8
72.5°	278.9	274.1	264.5	269.3	274.1	296.6	319.0
75°	245.3	234.0	218.0	211.6	208.4	211.6	224.4
77.5°	216.4	200.4	181.1	165.1	152.3	147.5	158.7
80°	192.4	173.1	150.7	129.8	109.0	97.8	102.6
82.5°	173.1	149.1	125.0	101.0	76.9	60.9	60.9
85°	152.3	129.8	104.2	78.5	54.5	33.7	30.5
87.5°	137.9	113.8	86.6	62.5	38.5	17.6	9.6
90°	123.4	99.4	73.7	49.7	27.3	8.0	0.0
92.5°	110.6	88.2	64.1	40.1	19.2	4.8	0.0
95°	99.4	78.5	54.5	33.7	16.0	3.2	1.6
97.5°	88.2	68.9	48.1	27.3	11.2	3.2	1.6
100°	80.2	60.9	41.7	22.4	9.6	1.6	1.6
102.5°	70.5	54.5	35.3	19.2	8.0	1.6	1.6
105°	62.5	48.1	30.5	16.0	6.4	1.6	1.6
107.5°	56.1	41.7	27.3	14.4	6.4	1.6	1.6
110°	49.7	36.9	24.0	12.8	4.8	1.6	1.6



TEST NUMBER: P290206

CATALOG NUMBER: 4SSRK-LC-80-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	44.9	32.1	20.8	11.2	3.2	1.6	1.6
115°	38.5	28.9	17.6	9.6	3.2	1.6	1.6
117.5°	33.7	24.0	16.0	8.0	3.2	1.6	1.6
120°	28.9	20.8	12.8	6.4	1.6	1.6	1.6
122.5°	25.6	17.6	11.2	6.4	1.6	1.6	1.6
125°	22.4	16.0	9.6	4.8	1.6	1.6	1.6
127.5°	19.2	12.8	8.0	3.2	1.6	1.6	1.6
130°	16.0	11.2	6.4	3.2	1.6	1.6	1.6
132.5°	12.8	9.6	6.4	3.2	1.6	1.6	1.6
135°	11.2	8.0	4.8	3.2	1.6	1.6	1.6
137.5°	9.6	6.4	3.2	3.2	3.2	1.6	1.6
140°	8.0	4.8	3.2	3.2	3.2	3.2	1.6
142.5°	6.4	4.8	3.2	3.2	3.2	3.2	1.6
145°	4.8	3.2	3.2	3.2	3.2	3.2	1.6
147.5°	4.8	3.2	3.2	3.2	3.2	3.2	1.6
150°	3.2	3.2	3.2	3.2	3.2	3.2	3.2
152.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2
155°	3.2	3.2	3.2	3.2	3.2	3.2	3.2
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)