

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: P290205

Luminaire Tested: **4SSRK-LC-80-L935-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: P290205
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-L935-CD1-U
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7223.4 lumens
Efficiency: N/A
Efficacy: 114.8 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

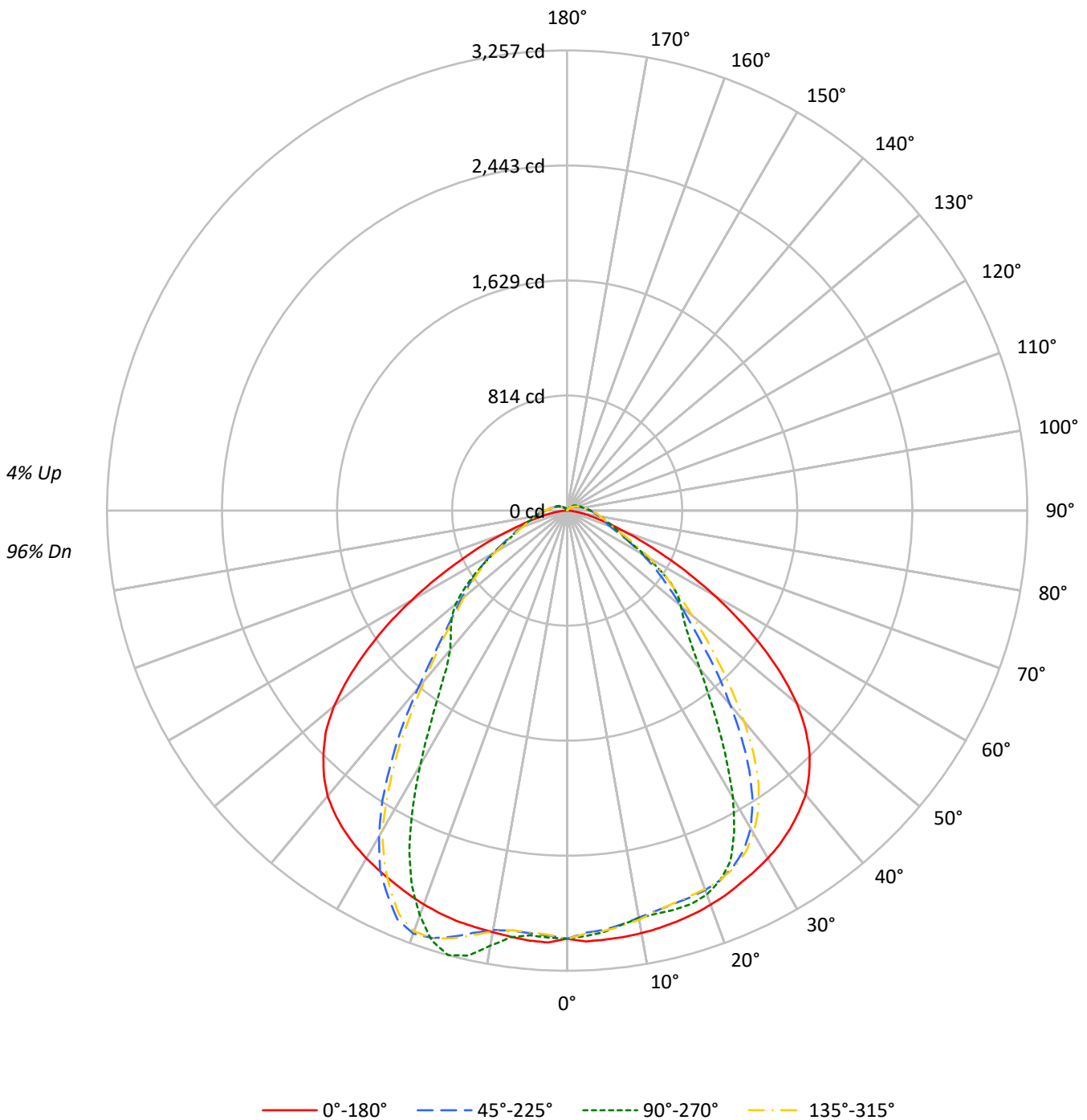
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	195686	195686	195686	195686
5°	196935	143783	197342	144911
10°	197666	112611	197256	120256
15°	199010	94403	198905	105111
20°	201004	80941	200795	85321
25°	203273	68041	203161	65745
30°	206866	52867	206975	46837
35°	210659	38634	211257	32693
40°	213928	28259	214824	24897
45°	212845	21814	213941	21243
50°	203290	18323	206143	17915
55°	179963	15016	184458	13652
60°	145566	10455	153288	9588
65°	107806	7242	116139	6867
70°	72923	5619	82208	5374
75°	47314	4512	55089	4266
80°	30143	3687	35318	3392
85°	14908	3153	19626	2880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	4.0
10°-20°	856.4	11.9
20°-30°	1301.9	18.0
30°-40°	1396.6	19.3
40°-50°	1212.1	16.8
50°-60°	898.3	12.4
60°-70°	514.7	7.1
70°-80°	285.0	3.9
80°-90°	173.6	2.4
90°-100°	112.9	1.6
100°-110°	75.6	1.0
110°-120°	51.1	0.7
120°-130°	31.3	0.4
130°-140°	16.5	0.2
140°-150°	7.5	0.1
150°-160°	2.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2446.1	33.9
0°-40°	3842.7	53.2
0°-60°	5953.1	82.4
0°-90°	6926.4	95.9
90°-120°	239.5	3.3
90°-150°	294.8	4.1
90°-180°	297.0	4.1
0°-180°	7223.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3030	3030	3030	3030	3030	
5°	3049	2994	3055	3018	3049	291
15°	3010	2925	3008	3257	3010	852
25°	2908	2736	2906	2644	2908	1344
35°	2750	1862	2758	1576	2750	1721
45°	2428	1194	2440	1163	2428	1858
55°	1693	895	1736	814	1693	1502
65°	768	454	828	430	768	775
75°	219	288	255	272	219	250
85°	30	199	39	182	30	39
90°	0	166	3	153	0	1
95°	2	136	0	130	2	1
105°	2	102	2	97	2	2
115°	2	83	2	75	2	2
125°	2	63	2	52	2	1
135°	2	39	2	33	2	1
145°	2	24	3	19	2	1
155°	3	11	3	9	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°	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0
2.5°	3051.9	3044.1	3041.0	3034.7	3039.4	3058.2	3045.7	3025.3	3026.9	2990.9	3009.7
5°	3048.8	3039.4	3034.7	3028.5	3031.6	3048.8	3036.3	3016.0	3014.4	2978.4	2995.6
7.5°	3044.1	3034.7	3026.9	3022.2	3023.8	3037.9	3022.2	2998.7	2994.0	2954.9	2970.6
10°	3036.3	3030.0	3019.1	3011.3	3009.7	3025.3	3000.3	2976.8	2965.9	2925.2	2940.8
12.5°	3025.3	3016.0	3005.0	2990.9	2989.3	2998.7	2978.4	2945.5	2934.6	2901.7	2918.9
15°	3009.7	2998.7	2986.2	2970.6	2962.7	2969.0	2944.0	2914.2	2912.7	2884.5	2908.0
17.5°	2992.5	2976.8	2962.7	2940.8	2929.9	2934.6	2914.2	2887.6	2890.7	2873.5	2900.1
20°	2969.0	2951.8	2929.9	2908.0	2892.3	2900.1	2886.0	2865.7	2870.4	2857.9	2881.4
22.5°	2942.4	2918.9	2892.3	2867.3	2854.7	2865.7	2854.7	2837.5	2839.1	2831.3	2845.4
25°	2908.0	2881.4	2850.1	2818.7	2812.5	2820.3	2814.1	2800.0	2793.7	2781.2	2787.4
27.5°	2876.7	2846.9	2807.8	2774.9	2764.0	2779.6	2765.5	2742.1	2724.8	2707.6	2695.1
30°	2840.7	2804.7	2760.8	2723.3	2713.9	2720.1	2699.8	2663.8	2618.4	2596.5	2562.1
32.5°	2801.5	2754.6	2699.8	2657.5	2651.3	2646.6	2609.0	2557.4	2486.9	2443.1	2389.9
35°	2749.9	2698.2	2632.5	2580.9	2571.5	2544.9	2483.8	2415.0	2324.2	2249.1	2158.3
37.5°	2692.0	2630.9	2562.1	2493.2	2466.6	2413.4	2327.3	2255.3	2117.6	2026.8	1917.2
40°	2626.2	2552.7	2468.2	2385.2	2341.4	2255.3	2156.7	2050.3	1917.2	1795.2	1702.8
42.5°	2535.5	2457.2	2357.0	2264.7	2189.6	2075.3	1959.5	1809.3	1687.2	1583.9	1490.0
45°	2427.5	2333.6	2217.7	2106.6	2011.2	1875.0	1738.8	1588.6	1486.8	1366.3	1302.2
47.5°	2288.2	2186.4	2062.8	1939.2	1814.0	1663.7	1521.3	1377.3	1275.6	1189.5	1142.5
50°	2123.8	2029.9	1893.8	1746.7	1608.9	1452.4	1310.0	1202.0	1103.4	1050.2	1014.2
52.5°	1920.4	1832.7	1693.4	1533.8	1400.8	1247.4	1117.5	1029.8	959.4	920.3	907.8
55°	1693.4	1616.8	1479.0	1330.3	1194.2	1053.3	954.7	878.0	832.6	809.2	810.7
57.5°	1450.8	1391.4	1261.5	1128.4	1000.1	893.7	804.5	743.4	709.0	707.4	712.1
60°	1208.3	1164.4	1051.7	937.5	824.8	738.7	673.0	630.7	608.8	610.4	608.8
62.5°	976.6	935.9	854.5	760.6	671.4	613.5	554.0	536.8	518.0	516.5	516.5
65°	768.5	737.2	671.4	604.1	536.8	499.3	469.5	449.2	435.1	432.0	433.5
67.5°	577.5	565.0	519.6	474.2	432.0	408.5	383.4	378.8	367.8	367.8	370.9
70°	430.4	421.0	396.0	369.4	352.1	336.5	324.0	324.0	322.4	320.8	328.7
72.5°	311.5	313.0	305.2	284.8	283.3	280.2	277.0	281.7	283.3	288.0	297.4
75°	219.1	223.8	223.8	220.7	226.9	234.8	239.5	247.3	256.7	262.9	273.9
77.5°	154.9	154.9	162.8	172.2	184.7	198.8	211.3	222.2	234.8	242.6	252.0
80°	100.2	104.9	117.4	134.6	151.8	170.6	187.8	201.9	214.4	226.9	233.2
82.5°	59.5	67.3	83.0	104.9	126.8	150.2	167.5	184.7	198.8	211.3	216.0
85°	29.7	40.7	59.5	83.0	106.4	131.5	153.4	169.0	184.7	195.6	201.9
87.5°	9.4	21.9	42.3	64.2	89.2	114.3	137.7	154.9	169.0	178.4	184.7
90°	0.0	11.0	29.7	53.2	76.7	101.7	123.6	142.4	156.5	164.3	169.0
92.5°	0.0	6.3	23.5	43.8	65.7	90.8	112.7	129.9	142.4	150.2	153.4
95°	1.6	4.7	17.2	36.0	57.9	81.4	101.7	117.4	129.9	137.7	139.3
97.5°	1.6	3.1	14.1	29.7	50.1	72.0	92.3	108.0	117.4	125.2	126.8
100°	1.6	3.1	11.0	26.6	43.8	64.2	83.0	97.0	108.0	114.3	115.8
102.5°	1.6	1.6	9.4	21.9	39.1	56.3	73.6	87.6	97.0	103.3	106.4
105°	1.6	1.6	7.8	18.8	34.4	50.1	65.7	79.8	87.6	93.9	97.0
107.5°	1.6	1.6	6.3	15.7	29.7	43.8	59.5	70.4	79.8	86.1	89.2
110°	1.6	1.6	4.7	14.1	25.0	39.1	51.6	62.6	72.0	78.3	81.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.6	1.6	4.7	12.5	21.9	34.4	45.4	56.3	64.2	70.4	75.1
115°	1.6	1.6	4.7	11.0	20.3	29.7	40.7	50.1	57.9	64.2	68.9
117.5°	1.6	1.6	4.7	9.4	17.2	26.6	36.0	45.4	51.6	57.9	62.6
120°	1.6	1.6	3.1	7.8	15.7	23.5	31.3	39.1	47.0	53.2	57.9
122.5°	1.6	1.6	3.1	7.8	12.5	20.3	28.2	34.4	42.3	47.0	51.6
125°	1.6	1.6	3.1	6.3	11.0	18.8	25.0	31.3	36.0	42.3	47.0
127.5°	1.6	1.6	3.1	6.3	9.4	15.7	21.9	28.2	32.9	37.6	40.7
130°	1.6	1.6	3.1	4.7	7.8	12.5	18.8	23.5	29.7	32.9	36.0
132.5°	1.6	1.6	1.6	4.7	6.3	9.4	14.1	20.3	25.0	29.7	31.3
135°	1.6	1.6	1.6	3.1	6.3	7.8	11.0	15.7	20.3	25.0	28.2
137.5°	1.6	1.6	1.6	3.1	4.7	7.8	9.4	12.5	17.2	20.3	25.0
140°	1.6	1.6	1.6	3.1	4.7	6.3	7.8	11.0	14.1	17.2	20.3
142.5°	1.6	1.6	1.6	3.1	3.1	4.7	6.3	9.4	11.0	14.1	17.2
145°	1.6	1.6	1.6	3.1	3.1	4.7	6.3	7.8	9.4	11.0	14.1
147.5°	1.6	1.6	1.6	3.1	3.1	3.1	4.7	6.3	7.8	9.4	11.0
150°	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	6.3	7.8	9.4
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7	6.3	7.8
155°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	6.3	6.3
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0
2.5°	3003.4	3006.6	3025.3	3023.8	3020.6	3017.5	3017.5	3014.4	3017.5	3025.3	3022.2
5°	2987.8	2992.5	3006.6	3005.0	3001.9	3000.3	2998.7	2994.0	2997.2	3008.1	3005.0
7.5°	2959.6	2964.3	2976.8	2970.6	2965.9	2969.0	2961.2	2956.5	2962.7	2973.7	2972.1
10°	2929.9	2933.0	2948.7	2945.5	2937.7	2939.3	2931.4	2928.3	2936.1	2942.4	2944.0
12.5°	2909.5	2920.5	2934.6	2933.0	2931.4	2933.0	2925.2	2922.0	2926.7	2933.0	2931.4
15°	2904.8	2918.9	2934.6	2934.6	2936.1	2937.7	2929.9	2925.2	2929.9	2934.6	2933.0
17.5°	2900.1	2917.3	2931.4	2929.9	2931.4	2934.6	2922.0	2918.9	2925.2	2931.4	2928.3
20°	2884.5	2900.1	2909.5	2906.4	2906.4	2908.0	2892.3	2892.3	2901.7	2906.4	2908.0
22.5°	2840.7	2859.4	2859.4	2851.6	2851.6	2845.4	2840.7	2831.3	2842.2	2850.1	2856.3
25°	2774.9	2782.8	2773.4	2756.1	2746.8	2738.9	2717.0	2735.8	2735.8	2759.3	2767.1
27.5°	2682.6	2665.4	2638.8	2602.8	2594.9	2569.9	2555.8	2560.5	2568.3	2601.2	2626.2
30°	2530.8	2479.1	2433.7	2418.1	2383.6	2358.6	2333.6	2346.1	2360.2	2379.0	2430.6
32.5°	2330.4	2280.4	2206.8	2180.2	2144.2	2112.9	2083.2	2101.9	2127.0	2139.5	2195.8
35°	2100.4	2040.9	1973.6	1928.2	1890.6	1873.4	1835.9	1862.5	1889.1	1898.5	1947.0
37.5°	1856.2	1795.2	1735.7	1696.6	1660.6	1649.6	1624.6	1643.4	1663.7	1677.8	1718.5
40°	1624.6	1568.2	1522.8	1496.2	1471.2	1461.8	1452.4	1460.2	1475.9	1486.8	1518.1
42.5°	1425.8	1380.4	1349.1	1333.5	1316.3	1303.7	1305.3	1308.4	1316.3	1339.7	1353.8
45°	1252.1	1225.5	1205.1	1202.0	1191.0	1189.5	1187.9	1194.2	1198.9	1213.0	1223.9
47.5°	1112.8	1101.8	1097.1	1103.4	1108.1	1101.8	1105.0	1112.8	1122.2	1122.2	1120.6
50°	1003.2	1006.4	1012.6	1026.7	1036.1	1039.2	1042.4	1051.7	1053.3	1056.4	1051.7
52.5°	914.0	917.1	934.4	956.3	967.2	971.9	978.2	987.6	987.6	990.7	984.4
55°	823.2	827.9	845.2	867.1	876.5	882.7	889.0	895.2	899.9	906.2	901.5
57.5°	723.1	737.2	748.1	754.4	760.6	765.3	770.0	771.6	781.0	782.6	790.4
60°	616.7	619.8	630.7	629.2	624.5	637.0	630.7	641.7	652.6	666.7	668.3
62.5°	514.9	516.5	524.3	521.2	527.4	525.9	530.6	530.6	538.4	544.7	552.5
65°	435.1	436.7	442.9	442.9	441.4	446.1	450.7	453.9	453.9	458.6	464.8
67.5°	375.6	380.3	386.6	389.7	392.8	392.8	397.5	399.1	402.2	403.8	406.9
70°	334.9	341.2	347.5	350.6	352.1	355.3	356.8	356.8	360.0	361.5	364.7
72.5°	305.2	311.5	316.2	316.2	319.3	320.8	320.8	322.4	324.0	327.1	330.2
75°	280.2	284.8	288.0	286.4	286.4	286.4	288.0	288.0	291.1	294.2	297.4
77.5°	256.7	261.4	261.4	258.2	258.2	258.2	258.2	259.8	261.4	264.5	267.6
80°	239.5	239.5	237.9	237.9	234.8	233.2	233.2	234.8	234.8	237.9	242.6
82.5°	220.7	220.7	219.1	217.5	216.0	214.4	214.4	216.0	217.5	219.1	222.2
85°	203.5	203.5	200.3	200.3	198.8	198.8	198.8	198.8	200.3	201.9	205.0
87.5°	186.2	184.7	183.1	181.6	181.6	181.6	181.6	181.6	183.1	186.2	187.8
90°	169.0	167.5	165.9	165.9	164.3	164.3	165.9	165.9	167.5	169.0	170.6
92.5°	153.4	151.8	150.2	150.2	148.7	148.7	150.2	148.7	151.8	151.8	153.4
95°	139.3	137.7	136.2	136.2	136.2	136.2	136.2	136.2	137.7	137.7	139.3
97.5°	126.8	125.2	123.6	123.6	125.2	123.6	125.2	125.2	125.2	126.8	128.3
100°	115.8	114.3	114.3	115.8	114.3	114.3	115.8	115.8	115.8	115.8	117.4
102.5°	106.4	106.4	106.4	106.4	106.4	106.4	108.0	108.0	108.0	108.0	109.6
105°	97.0	98.6	98.6	98.6	100.2	100.2	100.2	101.7	101.7	101.7	101.7
107.5°	90.8	92.3	92.3	93.9	93.9	95.5	95.5	95.5	95.5	97.0	97.0
110°	84.5	86.1	87.6	89.2	89.2	90.8	90.8	90.8	90.8	90.8	90.8



TEST NUMBER: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	78.3	79.8	81.4	84.5	86.1	86.1	86.1	86.1	87.6	87.6	86.1
115°	72.0	75.1	76.7	79.8	81.4	81.4	83.0	83.0	83.0	83.0	81.4
117.5°	65.7	70.4	72.0	75.1	76.7	76.7	78.3	78.3	78.3	78.3	76.7
120°	61.0	64.2	67.3	68.9	70.4	72.0	72.0	73.6	73.6	73.6	72.0
122.5°	56.3	59.5	62.6	64.2	65.7	67.3	67.3	67.3	67.3	67.3	67.3
125°	50.1	53.2	56.3	57.9	59.5	61.0	61.0	62.6	62.6	62.6	61.0
127.5°	45.4	48.5	50.1	53.2	54.8	54.8	56.3	56.3	56.3	56.3	54.8
130°	39.1	42.3	45.4	47.0	48.5	48.5	50.1	50.1	50.1	50.1	50.1
132.5°	34.4	37.6	39.1	42.3	42.3	43.8	43.8	45.4	45.4	45.4	43.8
135°	31.3	32.9	34.4	37.6	37.6	39.1	39.1	39.1	39.1	39.1	39.1
137.5°	28.2	29.7	31.3	32.9	32.9	34.4	34.4	34.4	34.4	36.0	34.4
140°	23.5	26.6	28.2	28.2	29.7	29.7	29.7	31.3	31.3	31.3	29.7
142.5°	20.3	21.9	23.5	25.0	26.6	26.6	26.6	26.6	28.2	26.6	26.6
145°	15.7	18.8	20.3	21.9	23.5	23.5	23.5	23.5	23.5	23.5	23.5
147.5°	12.5	14.1	17.2	18.8	18.8	20.3	20.3	20.3	20.3	20.3	20.3
150°	11.0	11.0	14.1	15.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2
152.5°	7.8	9.4	11.0	12.5	14.1	14.1	14.1	14.1	14.1	14.1	14.1
155°	7.8	7.8	9.4	9.4	11.0	11.0	11.0	11.0	12.5	11.0	11.0
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: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0
2.5°	3017.5	3016.0	3022.2	3016.0	2984.6	2997.2	2992.5	3009.7	3011.3	3016.0	3031.6
5°	3001.9	3001.9	3009.7	3003.4	2973.7	2986.2	2984.6	3001.9	3005.0	3008.1	3025.3
7.5°	2970.6	2972.1	2983.1	2978.4	2947.1	2965.9	2964.3	2984.6	2990.9	2997.2	3012.8
10°	2940.8	2939.3	2951.8	2947.1	2917.3	2939.3	2937.7	2958.0	2967.4	2978.4	2997.2
12.5°	2925.2	2920.5	2925.2	2920.5	2887.6	2904.8	2906.4	2929.9	2940.8	2954.9	2976.8
15°	2925.2	2917.3	2917.3	2908.0	2870.4	2881.4	2882.9	2898.6	2912.7	2926.7	2953.3
17.5°	2922.0	2914.2	2912.7	2904.8	2864.1	2864.1	2862.6	2873.5	2881.4	2895.4	2923.6
20°	2904.8	2901.7	2900.1	2895.4	2857.9	2851.6	2848.5	2848.5	2853.2	2857.9	2886.0
22.5°	2859.4	2862.6	2865.7	2868.8	2839.1	2828.1	2829.7	2826.6	2821.9	2821.9	2845.4
25°	2774.9	2790.6	2803.1	2817.2	2800.0	2792.1	2801.5	2796.8	2789.0	2782.8	2803.1
27.5°	2640.3	2673.2	2699.8	2734.2	2735.8	2729.5	2754.6	2751.4	2749.9	2740.5	2756.1
30°	2454.1	2505.7	2541.7	2591.8	2634.1	2640.3	2682.6	2688.8	2695.1	2690.4	2706.1
32.5°	2228.7	2299.1	2360.2	2438.4	2479.1	2515.1	2574.6	2599.6	2624.7	2632.5	2649.7
35°	1983.0	2062.8	2134.8	2220.9	2285.0	2363.3	2435.3	2472.9	2529.2	2551.1	2576.2
37.5°	1749.8	1824.9	1895.3	1981.4	2084.7	2166.1	2255.3	2339.8	2416.5	2447.8	2485.4
40°	1543.2	1604.2	1671.5	1746.7	1840.6	1947.0	2044.0	2161.4	2252.2	2314.8	2369.6
42.5°	1386.7	1416.4	1474.3	1541.6	1616.8	1724.7	1823.3	1954.8	2064.4	2153.6	2244.4
45°	1247.4	1261.5	1303.7	1339.7	1416.4	1511.9	1616.8	1745.1	1859.3	1973.6	2083.2
47.5°	1128.4	1145.7	1166.0	1187.9	1242.7	1322.5	1413.3	1529.1	1643.4	1776.4	1901.6
50°	1048.6	1053.3	1056.4	1065.8	1098.7	1153.5	1227.0	1325.6	1435.2	1577.6	1710.7
52.5°	978.2	978.2	968.8	964.1	976.6	1011.1	1053.3	1123.7	1236.4	1367.9	1508.8
55°	903.1	889.0	885.8	870.2	873.3	889.0	909.3	964.1	1056.4	1169.1	1305.3
57.5°	798.2	791.9	791.9	785.7	773.2	781.0	785.7	824.8	890.5	987.6	1106.5
60°	677.7	674.6	682.4	683.9	673.0	677.7	676.1	699.6	746.6	824.8	923.4
62.5°	557.2	571.3	572.8	579.1	572.8	571.3	579.1	599.4	622.9	682.4	759.1
65°	468.0	475.8	477.4	485.2	482.1	482.1	488.3	504.0	518.0	558.7	618.2
67.5°	410.1	406.9	408.5	413.2	408.5	406.9	411.6	421.0	432.0	457.0	499.3
70°	364.7	361.5	361.5	361.5	355.3	350.6	352.1	355.3	360.0	374.1	400.7
72.5°	330.2	330.2	325.5	320.8	316.2	313.0	309.9	306.8	305.2	309.9	324.0
75°	298.9	300.5	298.9	294.2	288.0	281.7	275.5	269.2	261.4	258.2	259.8
77.5°	270.8	272.3	273.9	272.3	266.1	258.2	248.9	239.5	228.5	217.5	211.3
80°	245.7	248.9	250.4	248.9	244.2	237.9	226.9	216.0	200.3	186.2	170.6
82.5°	223.8	228.5	230.1	230.1	226.9	220.7	208.2	195.6	178.4	159.6	139.3
85°	206.6	209.7	212.9	212.9	211.3	205.0	192.5	178.4	161.2	139.3	117.4
87.5°	189.4	190.9	194.1	197.2	194.1	187.8	176.9	161.2	144.0	122.1	97.0
90°	172.2	173.7	176.9	180.0	178.4	172.2	162.8	148.7	129.9	106.4	81.4
92.5°	154.9	158.1	159.6	161.2	162.8	158.1	150.2	136.2	117.4	93.9	70.4
95°	142.4	142.4	145.6	147.1	148.7	144.0	137.7	123.6	106.4	84.5	61.0
97.5°	129.9	129.9	133.0	133.0	134.6	131.5	125.2	112.7	95.5	75.1	51.6
100°	117.4	118.9	120.5	122.1	122.1	120.5	114.3	101.7	86.1	67.3	45.4
102.5°	109.6	109.6	111.1	111.1	112.7	109.6	103.3	92.3	76.7	59.5	39.1
105°	101.7	101.7	103.3	103.3	101.7	98.6	92.3	83.0	68.9	51.6	34.4
107.5°	95.5	95.5	95.5	95.5	93.9	90.8	84.5	73.6	61.0	47.0	31.3
110°	90.8	89.2	89.2	87.6	86.1	81.4	75.1	65.7	54.8	40.7	26.6



TEST NUMBER: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	86.1	84.5	83.0	81.4	78.3	73.6	67.3	59.5	48.5	36.0	23.5
115°	81.4	79.8	78.3	75.1	72.0	67.3	61.0	53.2	42.3	31.3	20.3
117.5°	76.7	75.1	72.0	68.9	65.7	61.0	54.8	47.0	37.6	28.2	18.8
120°	70.4	68.9	67.3	64.2	61.0	54.8	48.5	42.3	32.9	25.0	15.7
122.5°	65.7	64.2	61.0	59.5	54.8	50.1	43.8	37.6	29.7	21.9	14.1
125°	59.5	57.9	56.3	53.2	50.1	43.8	39.1	32.9	26.6	18.8	11.0
127.5°	54.8	53.2	50.1	47.0	43.8	39.1	34.4	29.7	23.5	15.7	11.0
130°	48.5	47.0	45.4	42.3	39.1	34.4	31.3	25.0	20.3	14.1	9.4
132.5°	42.3	42.3	40.7	37.6	34.4	31.3	26.6	21.9	17.2	12.5	7.8
135°	39.1	37.6	36.0	32.9	31.3	26.6	23.5	18.8	14.1	11.0	6.3
137.5°	34.4	32.9	31.3	29.7	26.6	23.5	20.3	15.7	12.5	9.4	6.3
140°	29.7	28.2	28.2	25.0	23.5	20.3	17.2	14.1	11.0	7.8	4.7
142.5°	26.6	25.0	23.5	21.9	20.3	17.2	14.1	11.0	9.4	6.3	4.7
145°	23.5	21.9	20.3	18.8	17.2	14.1	12.5	9.4	7.8	6.3	4.7
147.5°	18.8	18.8	17.2	15.7	14.1	12.5	11.0	9.4	6.3	4.7	3.1
150°	15.7	15.7	14.1	12.5	12.5	11.0	9.4	7.8	6.3	4.7	3.1
152.5°	14.1	12.5	12.5	11.0	11.0	9.4	7.8	6.3	4.7	4.7	3.1
155°	11.0	11.0	11.0	9.4	9.4	7.8	6.3	6.3	4.7	3.1	3.1
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: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0
2.5°	3034.7	3016.0	3031.6	3059.8	3056.6	3053.5	3050.4	3056.6	3077.0	3066.0	3048.8
5°	3030.0	3011.3	3028.5	3055.1	3053.5	3048.8	3045.7	3051.9	3072.3	3061.3	3042.6
7.5°	3020.6	3003.4	3016.0	3042.6	3042.6	3039.4	3036.3	3042.6	3061.3	3051.9	3033.2
10°	3005.0	2992.5	3005.0	3030.0	3031.6	3025.3	3022.2	3030.0	3048.8	3044.1	3028.5
12.5°	2992.5	2980.0	2994.0	3019.1	3020.6	3014.4	3009.7	3019.1	3044.1	3047.3	3042.6
15°	2975.3	2964.3	2981.5	3008.1	3008.1	3003.4	3003.4	3016.0	3050.4	3064.5	3072.3
17.5°	2950.2	2942.4	2962.7	2989.3	2990.9	2987.8	2989.3	3014.4	3059.8	3094.2	3116.1
20°	2918.9	2915.8	2937.7	2965.9	2970.6	2972.1	2980.0	3017.5	3080.1	3127.1	3149.0
22.5°	2881.4	2882.9	2908.0	2937.7	2944.0	2948.7	2964.3	3017.5	3095.8	3145.9	3155.2
25°	2839.1	2843.8	2870.4	2906.4	2914.2	2923.6	2950.2	3019.1	3100.5	3133.3	3117.7
27.5°	2793.7	2803.1	2837.5	2875.1	2884.5	2900.1	2934.6	3009.7	3078.6	3080.1	3022.2
30°	2746.8	2757.7	2798.4	2842.2	2857.9	2873.5	2915.8	2987.8	3025.3	2975.3	2873.5
32.5°	2693.5	2709.2	2749.9	2803.1	2821.9	2842.2	2884.5	2945.5	2931.4	2823.4	2677.9
35°	2626.2	2648.2	2695.1	2757.7	2774.9	2801.5	2831.3	2845.4	2782.8	2629.4	2465.0
37.5°	2543.3	2576.2	2630.9	2702.9	2721.7	2738.9	2746.8	2707.6	2582.4	2416.5	2245.9
40°	2447.8	2497.9	2557.4	2637.2	2656.0	2656.0	2627.8	2544.9	2386.8	2169.2	1979.9
42.5°	2332.0	2393.0	2468.2	2548.0	2566.8	2544.9	2477.6	2332.0	2152.0	1909.4	1709.1
45°	2191.1	2272.5	2357.0	2440.0	2449.4	2400.9	2280.4	2095.7	1873.4	1648.1	1457.1
47.5°	2023.7	2130.1	2222.4	2316.4	2303.8	2222.4	2061.2	1851.5	1616.8	1403.9	1250.5
50°	1835.9	1961.1	2064.4	2153.6	2127.0	2014.3	1824.9	1605.8	1372.6	1191.0	1064.3
52.5°	1635.5	1779.5	1882.8	1954.8	1918.8	1784.2	1576.1	1366.3	1175.4	1009.5	925.0
55°	1427.4	1572.9	1679.4	1735.7	1688.7	1543.2	1338.2	1147.2	967.2	859.2	809.2
57.5°	1225.5	1361.6	1461.8	1507.2	1447.7	1302.2	1112.8	951.6	821.7	730.9	705.9
60°	1031.4	1142.5	1238.0	1272.4	1208.3	1073.7	910.9	782.6	687.1	624.5	612.0
62.5°	851.4	942.2	1017.3	1043.9	981.3	876.5	735.6	640.1	572.8	541.5	525.9
65°	702.7	755.9	832.6	827.9	790.4	693.3	590.0	522.7	478.9	458.6	449.2
67.5°	552.5	601.0	649.5	655.8	608.8	541.5	474.2	425.7	402.2	391.3	386.6
70°	427.3	463.3	493.0	485.2	460.1	417.9	375.6	349.0	339.6	334.9	334.9
72.5°	331.8	350.6	364.7	355.3	339.6	317.7	297.4	286.4	288.0	291.1	294.2
75°	256.7	261.4	264.5	255.1	252.0	237.9	236.3	237.9	247.3	256.7	261.4
77.5°	197.2	190.9	186.2	176.9	178.4	176.9	184.7	197.2	211.3	225.4	237.9
80°	151.8	137.7	126.8	117.4	122.1	129.9	145.6	164.3	183.1	198.8	214.4
82.5°	117.4	97.0	81.4	72.0	81.4	93.9	114.3	137.7	159.6	176.9	194.1
85°	90.8	67.3	48.5	39.1	48.5	67.3	89.2	115.8	139.3	158.1	175.3
87.5°	70.4	48.5	26.6	15.7	26.6	47.0	72.0	97.0	120.5	142.4	159.6
90°	56.3	32.9	12.5	3.1	14.1	32.9	56.3	81.4	104.9	128.3	145.6
92.5°	45.4	23.5	6.3	0.0	7.8	25.0	47.0	70.4	93.9	115.8	133.0
95°	37.6	18.8	4.7	0.0	6.3	18.8	37.6	61.0	83.0	104.9	118.9
97.5°	31.3	14.1	3.1	0.0	3.1	15.7	31.3	51.6	73.6	93.9	108.0
100°	26.6	12.5	3.1	0.0	3.1	12.5	26.6	45.4	64.2	83.0	97.0
102.5°	21.9	9.4	1.6	1.6	1.6	9.4	23.5	39.1	56.3	73.6	87.6
105°	20.3	7.8	1.6	1.6	1.6	7.8	20.3	34.4	50.1	65.7	78.3
107.5°	17.2	6.3	1.6	1.6	1.6	6.3	17.2	29.7	45.4	59.5	70.4
110°	14.1	6.3	1.6	1.6	1.6	6.3	14.1	26.6	39.1	51.6	62.6



TEST NUMBER: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	12.5	4.7	1.6	1.6	1.6	4.7	12.5	23.5	34.4	47.0	56.3
115°	11.0	4.7	1.6	1.6	1.6	4.7	11.0	20.3	29.7	40.7	50.1
117.5°	9.4	4.7	1.6	1.6	1.6	3.1	9.4	17.2	26.6	36.0	45.4
120°	7.8	3.1	1.6	1.6	1.6	3.1	7.8	15.7	23.5	31.3	39.1
122.5°	7.8	3.1	1.6	1.6	1.6	3.1	6.3	12.5	20.3	26.6	34.4
125°	6.3	3.1	1.6	1.6	1.6	1.6	6.3	11.0	17.2	23.5	29.7
127.5°	6.3	3.1	1.6	1.6	1.6	1.6	4.7	9.4	14.1	20.3	26.6
130°	4.7	3.1	1.6	1.6	1.6	1.6	3.1	7.8	12.5	17.2	21.9
132.5°	4.7	3.1	1.6	1.6	1.6	1.6	3.1	6.3	9.4	14.1	18.8
135°	4.7	1.6	1.6	1.6	1.6	1.6	1.6	4.7	7.8	11.0	14.1
137.5°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	6.3	7.8	12.5
140°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	6.3	9.4
142.5°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	4.7	7.8
145°	3.1	1.6	1.6	3.1	3.1	1.6	1.6	3.1	3.1	4.7	6.3
147.5°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	4.7
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
155°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0
2.5°	3045.7	3009.7	3028.5	3022.2	3028.5	3044.1	3042.6	3037.9	3041.0	3033.2	3025.3
5°	3039.4	3003.4	3022.2	3014.4	3022.2	3037.9	3034.7	3030.0	3034.7	3025.3	3017.5
7.5°	3031.6	2998.7	3020.6	3019.1	3033.2	3053.5	3055.1	3055.1	3066.0	3051.9	3045.7
10°	3031.6	3014.4	3044.1	3055.1	3091.1	3117.7	3120.8	3127.1	3145.9	3142.7	3127.1
12.5°	3064.5	3061.3	3105.2	3131.8	3164.6	3202.2	3222.5	3228.8	3241.3	3231.9	3225.7
15°	3106.7	3122.4	3170.9	3200.6	3236.6	3264.8	3269.5	3272.6	3282.0	3267.9	3257.0
17.5°	3163.1	3172.5	3211.6	3224.1	3247.6	3252.3	3246.0	3230.4	3230.4	3199.1	3189.7
20°	3189.7	3185.0	3200.6	3180.3	3170.9	3142.7	3116.1	3086.4	3084.8	3051.9	3048.8
22.5°	3166.2	3134.9	3102.0	3051.9	3030.0	2989.3	2953.3	2936.1	2925.2	2882.9	2872.0
25°	3083.3	3006.6	2958.0	2898.6	2845.4	2798.4	2764.0	2728.0	2693.5	2659.1	2643.5
27.5°	2939.3	2867.3	2789.0	2706.1	2632.5	2560.5	2502.6	2466.6	2433.7	2388.3	2364.9
30°	2762.4	2662.2	2576.2	2496.3	2375.8	2288.2	2239.7	2167.7	2142.6	2122.3	2078.5
32.5°	2554.2	2433.7	2316.4	2208.4	2084.7	2003.3	1939.2	1885.9	1870.3	1817.1	1804.6
35°	2324.2	2166.1	2033.1	1926.6	1837.4	1738.8	1685.6	1649.6	1618.3	1582.3	1576.1
37.5°	2053.4	1911.0	1760.7	1666.8	1596.4	1511.9	1471.2	1446.2	1432.1	1405.5	1400.8
40°	1781.1	1638.7	1535.4	1441.5	1397.6	1352.2	1322.5	1311.6	1305.3	1295.9	1286.5
42.5°	1533.8	1408.6	1335.0	1272.4	1253.6	1231.7	1223.9	1230.2	1223.9	1220.8	1219.2
45°	1324.1	1228.6	1177.0	1158.2	1153.5	1147.2	1153.5	1164.4	1166.0	1162.9	1162.9
47.5°	1133.1	1087.7	1065.8	1069.0	1076.8	1081.5	1092.4	1106.5	1109.7	1101.8	1105.0
50°	1007.9	981.3	976.6	989.1	1006.4	1012.6	1025.1	1036.1	1034.5	1031.4	1028.3
52.5°	890.5	882.7	895.2	907.8	926.5	929.7	934.4	939.1	937.5	931.2	928.1
55°	791.9	798.2	809.2	813.9	827.9	826.4	827.9	827.9	821.7	818.5	813.9
57.5°	702.7	704.3	710.6	712.1	719.9	716.8	715.3	712.1	702.7	701.2	696.5
60°	612.0	608.8	622.9	612.0	618.2	612.0	610.4	602.6	593.2	591.6	588.5
62.5°	525.9	519.6	529.0	524.3	527.4	521.2	518.0	508.7	500.8	499.3	497.7
65°	449.2	446.1	455.4	453.9	457.0	449.2	446.1	439.8	433.5	432.0	430.4
67.5°	385.0	392.8	397.5	397.5	400.7	399.1	391.3	389.7	388.1	381.9	381.9
70°	338.1	342.8	352.1	353.7	352.1	355.3	349.0	347.5	345.9	342.8	341.2
72.5°	300.5	306.8	316.2	317.7	316.2	316.2	313.0	311.5	311.5	306.8	306.8
75°	270.8	278.6	286.4	286.4	286.4	283.3	280.2	280.2	277.0	275.5	272.3
77.5°	245.7	255.1	261.4	259.8	258.2	255.1	255.1	250.4	245.7	245.7	242.6
80°	226.9	233.2	237.9	236.3	234.8	230.1	228.5	223.8	220.7	216.0	216.0
82.5°	206.6	214.4	217.5	216.0	212.9	208.2	206.6	203.5	200.3	198.8	195.6
85°	189.4	197.2	198.8	195.6	192.5	189.4	187.8	186.2	184.7	181.6	181.6
87.5°	172.2	180.0	180.0	178.4	175.3	173.7	172.2	170.6	169.0	167.5	165.9
90°	158.1	164.3	164.3	162.8	161.2	159.6	158.1	156.5	154.9	153.4	153.4
92.5°	144.0	150.2	150.2	148.7	147.1	145.6	145.6	144.0	142.4	140.9	139.3
95°	131.5	137.7	137.7	137.7	136.2	134.6	134.6	133.0	131.5	131.5	129.9
97.5°	118.9	125.2	125.2	125.2	123.6	122.1	122.1	120.5	120.5	120.5	118.9
100°	108.0	112.7	114.3	114.3	112.7	112.7	112.7	111.1	111.1	111.1	109.6
102.5°	97.0	101.7	104.9	104.9	104.9	103.3	103.3	103.3	103.3	103.3	101.7
105°	87.6	92.3	95.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
107.5°	79.8	84.5	87.6	89.2	90.8	90.8	92.3	92.3	92.3	92.3	92.3
110°	72.0	76.7	81.4	83.0	84.5	86.1	86.1	87.6	86.1	86.1	86.1



TEST NUMBER: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	64.2	70.4	73.6	76.7	78.3	79.8	81.4	81.4	81.4	81.4	81.4
115°	57.9	64.2	67.3	70.4	73.6	75.1	75.1	76.7	76.7	76.7	75.1
117.5°	51.6	57.9	61.0	64.2	65.7	68.9	70.4	70.4	70.4	70.4	68.9
120°	47.0	51.6	54.8	57.9	61.0	62.6	64.2	64.2	64.2	64.2	64.2
122.5°	40.7	45.4	50.1	53.2	54.8	56.3	57.9	57.9	57.9	57.9	57.9
125°	36.0	40.7	43.8	47.0	48.5	51.6	51.6	51.6	51.6	51.6	51.6
127.5°	31.3	36.0	39.1	42.3	43.8	45.4	47.0	47.0	47.0	47.0	47.0
130°	26.6	31.3	34.4	37.6	39.1	40.7	40.7	42.3	42.3	42.3	42.3
132.5°	23.5	26.6	29.7	32.9	34.4	36.0	36.0	37.6	37.6	37.6	37.6
135°	18.8	23.5	25.0	28.2	29.7	31.3	31.3	32.9	32.9	32.9	32.9
137.5°	15.7	18.8	21.9	25.0	26.6	26.6	28.2	28.2	29.7	29.7	29.7
140°	12.5	14.1	18.8	20.3	21.9	23.5	25.0	25.0	25.0	25.0	25.0
142.5°	9.4	12.5	14.1	17.2	18.8	20.3	21.9	21.9	21.9	21.9	21.9
145°	7.8	9.4	11.0	14.1	15.7	17.2	18.8	18.8	18.8	18.8	18.8
147.5°	6.3	7.8	9.4	11.0	12.5	14.1	15.7	15.7	15.7	15.7	15.7
150°	4.7	6.3	7.8	7.8	9.4	11.0	12.5	14.1	14.1	14.1	14.1
152.5°	4.7	4.7	6.3	6.3	7.8	9.4	11.0	11.0	11.0	11.0	11.0
155°	3.1	4.7	4.7	4.7	6.3	6.3	7.8	9.4	9.4	9.4	9.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0
2.5°	3030.0	3036.3	3033.2	3028.5	3026.9	3034.7	3026.9	2990.9	3005.0	3006.6	3017.5
5°	3025.3	3030.0	3026.9	3023.8	3019.1	3028.5	3019.1	2981.5	2995.6	2997.2	3008.1
7.5°	3056.6	3058.2	3058.2	3050.4	3037.9	3042.6	3030.0	2987.8	2995.6	2995.6	3003.4
10°	3134.9	3138.0	3142.7	3122.4	3106.7	3094.2	3077.0	3025.3	3023.8	3011.3	3011.3
12.5°	3236.6	3228.8	3221.0	3211.6	3199.1	3183.4	3158.4	3097.3	3077.0	3056.6	3036.3
15°	3266.4	3263.2	3261.7	3257.0	3249.2	3244.5	3225.7	3164.6	3134.9	3109.9	3073.9
17.5°	3188.1	3194.4	3214.7	3216.3	3225.7	3244.5	3241.3	3199.1	3172.5	3161.5	3117.7
20°	3047.3	3048.8	3073.9	3084.8	3125.5	3156.8	3180.3	3175.6	3169.3	3181.9	3149.0
22.5°	2878.2	2889.2	2915.8	2933.0	2972.1	3008.1	3045.7	3066.0	3098.9	3150.5	3144.3
25°	2648.2	2662.2	2699.8	2728.0	2782.8	2837.5	2887.6	2923.6	2962.7	3061.3	3094.2
27.5°	2372.7	2394.6	2443.1	2471.3	2548.0	2604.3	2676.3	2746.8	2801.5	2914.2	2981.5
30°	2083.2	2101.9	2153.6	2192.7	2258.4	2335.1	2425.9	2526.1	2616.9	2731.1	2815.6
32.5°	1812.4	1832.7	1875.0	1909.4	1983.0	2047.2	2147.3	2271.0	2355.5	2513.6	2626.2
35°	1576.1	1594.8	1624.6	1654.3	1715.4	1781.1	1867.2	1987.7	2095.7	2260.0	2402.4
37.5°	1410.2	1413.3	1430.5	1447.7	1493.1	1543.2	1610.5	1716.9	1817.1	1993.9	2150.4
40°	1291.2	1291.2	1300.6	1305.3	1325.6	1355.4	1397.6	1480.6	1563.5	1698.1	1889.1
42.5°	1217.6	1214.5	1214.5	1216.1	1214.5	1228.6	1253.6	1292.8	1366.3	1477.5	1626.1
45°	1162.9	1156.6	1151.9	1141.0	1134.7	1134.7	1136.3	1150.3	1192.6	1264.6	1385.1
47.5°	1101.8	1100.3	1092.4	1079.9	1069.0	1061.1	1048.6	1043.9	1056.4	1097.1	1178.5
50°	1031.4	1023.6	1015.8	1006.4	993.8	986.0	962.5	964.1	953.1	971.9	1014.2
52.5°	928.1	921.8	918.7	910.9	906.2	903.1	884.3	865.5	860.8	863.9	879.6
55°	813.9	817.0	804.5	810.7	809.2	795.1	787.2	773.2	768.5	766.9	774.7
57.5°	694.9	698.0	690.2	696.5	696.5	688.6	683.9	683.9	673.0	663.6	674.6
60°	586.9	580.7	585.3	593.2	593.2	588.5	585.3	585.3	577.5	574.4	582.2
62.5°	499.3	493.0	497.7	505.5	507.1	504.0	500.8	500.8	491.4	491.4	497.7
65°	432.0	433.5	432.0	438.2	438.2	439.8	436.7	433.5	422.6	427.3	425.7
67.5°	383.4	381.9	381.9	388.1	386.6	389.7	386.6	381.9	374.1	367.8	366.2
70°	342.8	341.2	341.2	344.3	345.9	345.9	344.3	341.2	330.2	324.0	319.3
72.5°	306.8	305.2	306.8	308.3	309.9	311.5	309.9	306.8	297.4	289.5	281.7
75°	273.9	272.3	277.0	277.0	278.6	278.6	280.2	278.6	270.8	261.4	252.0
77.5°	241.0	242.6	247.3	248.9	252.0	253.5	255.1	255.1	247.3	239.5	226.9
80°	214.4	217.5	220.7	222.2	225.4	230.1	231.6	233.2	226.9	219.1	205.0
82.5°	195.6	197.2	200.3	201.9	206.6	208.2	209.7	212.9	209.7	201.9	186.2
85°	180.0	181.6	184.7	184.7	187.8	190.9	192.5	194.1	192.5	184.7	169.0
87.5°	165.9	167.5	169.0	170.6	172.2	173.7	175.3	176.9	175.3	167.5	153.4
90°	153.4	153.4	154.9	154.9	156.5	158.1	161.2	161.2	159.6	153.4	139.3
92.5°	139.3	140.9	140.9	142.4	144.0	145.6	147.1	147.1	145.6	139.3	126.8
95°	129.9	129.9	131.5	131.5	133.0	133.0	134.6	134.6	133.0	126.8	114.3
97.5°	118.9	118.9	118.9	118.9	120.5	120.5	122.1	122.1	120.5	114.3	103.3
100°	109.6	109.6	109.6	109.6	109.6	111.1	111.1	111.1	109.6	103.3	92.3
102.5°	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	98.6	93.9	83.0
105°	97.0	97.0	97.0	95.5	95.5	95.5	93.9	93.9	89.2	84.5	75.1
107.5°	90.8	90.8	90.8	89.2	89.2	87.6	86.1	86.1	81.4	76.7	67.3
110°	86.1	86.1	86.1	84.5	83.0	81.4	79.8	78.3	73.6	67.3	59.5



TEST NUMBER: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	81.4	81.4	79.8	79.8	78.3	76.7	73.6	72.0	67.3	61.0	53.2
115°	75.1	75.1	75.1	73.6	72.0	70.4	68.9	65.7	61.0	54.8	47.0
117.5°	68.9	68.9	68.9	67.3	65.7	64.2	62.6	59.5	54.8	48.5	42.3
120°	62.6	62.6	62.6	61.0	59.5	57.9	56.3	53.2	48.5	43.8	36.0
122.5°	57.9	57.9	56.3	54.8	53.2	51.6	50.1	47.0	43.8	37.6	31.3
125°	51.6	51.6	50.1	50.1	48.5	47.0	45.4	42.3	37.6	32.9	28.2
127.5°	47.0	45.4	45.4	45.4	43.8	42.3	39.1	37.6	32.9	28.2	23.5
130°	40.7	40.7	40.7	39.1	39.1	37.6	34.4	31.3	28.2	25.0	20.3
132.5°	36.0	36.0	36.0	36.0	34.4	32.9	29.7	28.2	25.0	20.3	17.2
135°	32.9	32.9	31.3	31.3	29.7	28.2	26.6	23.5	20.3	17.2	14.1
137.5°	28.2	28.2	28.2	26.6	26.6	25.0	21.9	20.3	18.8	15.7	12.5
140°	25.0	25.0	23.5	23.5	21.9	21.9	20.3	17.2	15.7	12.5	11.0
142.5°	21.9	21.9	20.3	20.3	18.8	18.8	17.2	15.7	12.5	11.0	7.8
145°	18.8	18.8	17.2	17.2	17.2	15.7	14.1	12.5	11.0	9.4	7.8
147.5°	15.7	15.7	15.7	14.1	14.1	12.5	12.5	11.0	9.4	7.8	6.3
150°	14.1	14.1	12.5	12.5	12.5	11.0	9.4	9.4	7.8	6.3	4.7
152.5°	11.0	11.0	11.0	11.0	9.4	9.4	7.8	7.8	6.3	4.7	4.7
155°	9.4	9.4	9.4	7.8	7.8	7.8	6.3	6.3	4.7	4.7	3.1
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



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CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0	3030.0
2.5°	3012.8	3011.3	3025.3	3023.8	3005.0	3033.2	3051.9
5°	3005.0	3003.4	3016.0	3019.1	2998.7	3028.5	3048.8
7.5°	2998.7	2997.2	3011.3	3016.0	2995.6	3022.2	3044.1
10°	3000.3	2992.5	3005.0	3008.1	2989.3	3017.5	3036.3
12.5°	3011.3	2992.5	2997.2	2997.2	2980.0	3005.0	3025.3
15°	3037.9	2998.7	2992.5	2987.8	2965.9	2989.3	3009.7
17.5°	3067.6	3014.4	2992.5	2976.8	2950.2	2970.6	2992.5
20°	3097.3	3031.6	2995.6	2970.6	2934.6	2953.3	2969.0
22.5°	3111.4	3047.3	2998.7	2961.2	2915.8	2925.2	2942.4
25°	3092.6	3041.0	2992.5	2947.1	2892.3	2893.9	2908.0
27.5°	3023.8	3009.7	2978.4	2933.0	2873.5	2865.7	2876.7
30°	2906.4	2945.5	2947.1	2914.2	2851.6	2836.0	2840.7
32.5°	2742.1	2829.7	2881.4	2875.1	2820.3	2798.4	2801.5
35°	2552.7	2662.2	2774.9	2812.5	2773.4	2756.1	2749.9
37.5°	2325.7	2472.9	2623.1	2715.5	2709.2	2698.2	2692.0
40°	2075.3	2252.2	2430.6	2577.7	2623.1	2623.1	2626.2
42.5°	1807.7	2014.3	2209.9	2396.2	2502.6	2526.1	2535.5
45°	1549.5	1757.6	1970.5	2184.9	2327.3	2400.9	2427.5
47.5°	1314.7	1524.4	1726.3	1961.1	2150.4	2245.9	2288.2
50°	1114.4	1270.9	1483.7	1716.9	1923.5	2040.9	2123.8
52.5°	948.5	1070.5	1256.8	1474.3	1682.5	1843.7	1920.4
55°	809.2	892.1	1050.2	1238.0	1436.8	1604.2	1693.4
57.5°	691.8	757.5	865.5	1022.0	1189.5	1355.4	1450.8
60°	588.5	633.9	707.4	831.1	973.5	1115.9	1208.3
62.5°	499.3	529.0	577.5	668.3	779.4	890.5	976.6
65°	430.4	442.9	469.5	525.9	610.4	694.9	768.5
67.5°	363.1	370.9	391.3	425.7	468.0	529.0	577.5
70°	313.0	313.0	314.6	334.9	356.8	396.0	430.4
72.5°	272.3	267.6	258.2	262.9	267.6	289.5	311.5
75°	239.5	228.5	212.9	206.6	203.5	206.6	219.1
77.5°	211.3	195.6	176.9	161.2	148.7	144.0	154.9
80°	187.8	169.0	147.1	126.8	106.4	95.5	100.2
82.5°	169.0	145.6	122.1	98.6	75.1	59.5	59.5
85°	148.7	126.8	101.7	76.7	53.2	32.9	29.7
87.5°	134.6	111.1	84.5	61.0	37.6	17.2	9.4
90°	120.5	97.0	72.0	48.5	26.6	7.8	0.0
92.5°	108.0	86.1	62.6	39.1	18.8	4.7	0.0
95°	97.0	76.7	53.2	32.9	15.7	3.1	1.6
97.5°	86.1	67.3	47.0	26.6	11.0	3.1	1.6
100°	78.3	59.5	40.7	21.9	9.4	1.6	1.6
102.5°	68.9	53.2	34.4	18.8	7.8	1.6	1.6
105°	61.0	47.0	29.7	15.7	6.3	1.6	1.6
107.5°	54.8	40.7	26.6	14.1	6.3	1.6	1.6
110°	48.5	36.0	23.5	12.5	4.7	1.6	1.6



TEST NUMBER: P290205

CATALOG NUMBER: 4SSRK-LC-80-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	43.8	31.3	20.3	11.0	3.1	1.6	1.6
115°	37.6	28.2	17.2	9.4	3.1	1.6	1.6
117.5°	32.9	23.5	15.7	7.8	3.1	1.6	1.6
120°	28.2	20.3	12.5	6.3	1.6	1.6	1.6
122.5°	25.0	17.2	11.0	6.3	1.6	1.6	1.6
125°	21.9	15.7	9.4	4.7	1.6	1.6	1.6
127.5°	18.8	12.5	7.8	3.1	1.6	1.6	1.6
130°	15.7	11.0	6.3	3.1	1.6	1.6	1.6
132.5°	12.5	9.4	6.3	3.1	1.6	1.6	1.6
135°	11.0	7.8	4.7	3.1	1.6	1.6	1.6
137.5°	9.4	6.3	3.1	3.1	3.1	1.6	1.6
140°	7.8	4.7	3.1	3.1	3.1	3.1	1.6
142.5°	6.3	4.7	3.1	3.1	3.1	3.1	1.6
145°	4.7	3.1	3.1	3.1	3.1	3.1	1.6
147.5°	4.7	3.1	3.1	3.1	3.1	3.1	1.6
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1
155°	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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)