

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: P290202

Luminaire Tested: **4SSRK-LC-60-L840-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P290202
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-60-L840-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 80 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6549.9 lumens
Efficiency: N/A
Efficacy: 146.2 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

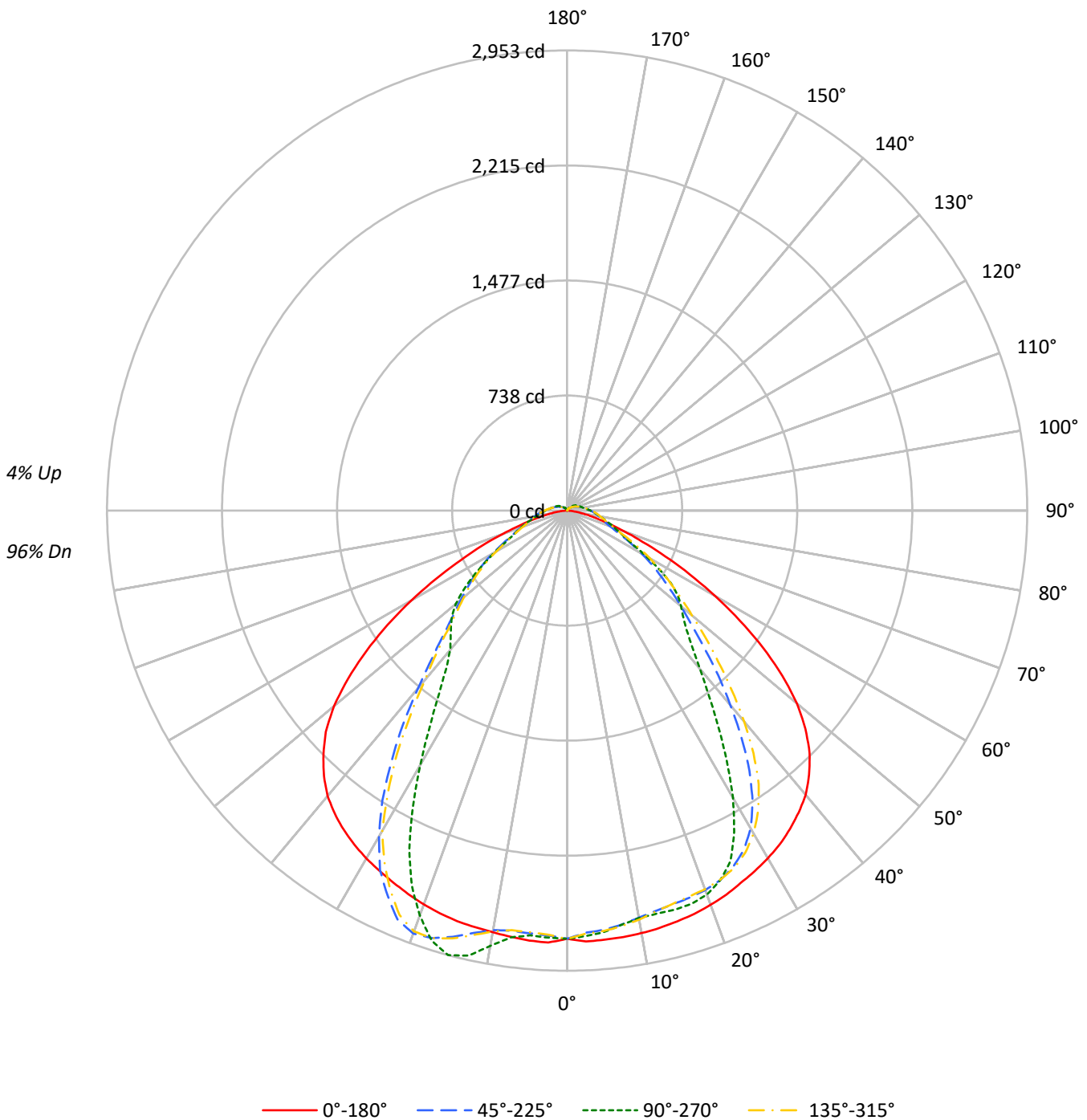
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	177442	177442	177442	177442
5°	178571	130379	178939	131402
10°	179236	102112	178865	109042
15°	180456	85599	180357	95309
20°	182265	73394	182068	77365
25°	184316	61696	184218	59615
30°	187575	47937	187677	42470
35°	191018	35031	191562	29644
40°	193987	25625	194793	22577
45°	192994	19779	193994	19261
50°	184338	16616	186922	16244
55°	163182	13617	167263	12379
60°	131989	9480	139000	8693
65°	97748	6567	105309	6227
70°	66129	5096	74533	4873
75°	42909	4090	49949	3868
80°	27315	3343	32008	3075
85°	13553	2858	17819	2611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.0	4.0
10°-20°	776.5	11.9
20°-30°	1180.5	18.0
30°-40°	1266.4	19.3
40°-50°	1099.1	16.8
50°-60°	814.5	12.4
60°-70°	466.7	7.1
70°-80°	258.4	3.9
80°-90°	157.4	2.4
90°-100°	102.3	1.6
100°-110°	68.5	1.0
110°-120°	46.3	0.7
120°-130°	28.4	0.4
130°-140°	14.9	0.2
140°-150°	6.8	0.1
150°-160°	2.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2218.0	33.9
0°-40°	3484.4	53.2
0°-60°	5398.0	82.4
0°-90°	6280.6	95.9
90°-120°	217.2	3.3
90°-150°	267.3	4.1
90°-180°	269.0	4.1
0°-180°	6549.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2748	2748	2748	2748	2748	
5°	2764	2715	2770	2736	2764	263
15°	2729	2652	2728	2953	2729	772
25°	2637	2481	2635	2397	2637	1219
35°	2494	1689	2501	1429	2494	1561
45°	2201	1083	2212	1054	2201	1685
55°	1536	812	1574	738	1536	1362
65°	697	412	751	390	697	702
75°	199	261	231	247	199	227
85°	27	180	36	165	27	35
90°	0	150	3	139	0	1
95°	1	124	0	118	1	1
105°	1	92	1	88	1	1
115°	1	75	1	68	1	1
125°	1	57	1	47	1	1
135°	1	36	1	30	1	1
145°	1	21	3	17	1	1
155°	3	10	3	8	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°	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5
2.5°	2767.4	2760.3	2757.4	2751.8	2756.0	2773.0	2761.7	2743.2	2744.7	2712.0	2729.1
5°	2764.5	2756.0	2751.8	2746.1	2748.9	2764.5	2753.2	2734.7	2733.3	2700.7	2716.3
7.5°	2760.3	2751.8	2744.7	2740.4	2741.8	2754.6	2740.4	2719.1	2714.9	2679.4	2693.6
10°	2753.2	2747.5	2737.6	2730.5	2729.1	2743.2	2720.5	2699.3	2689.3	2652.4	2666.6
12.5°	2743.2	2734.7	2724.8	2712.0	2710.6	2719.1	2700.7	2670.9	2660.9	2631.1	2646.7
15°	2729.1	2719.1	2707.8	2693.6	2686.5	2692.2	2669.5	2642.5	2641.1	2615.5	2636.8
17.5°	2713.4	2699.3	2686.5	2666.6	2656.7	2660.9	2642.5	2618.4	2621.2	2605.6	2629.7
20°	2692.2	2676.5	2656.7	2636.8	2622.6	2629.7	2616.9	2598.5	2602.7	2591.4	2612.7
22.5°	2668.0	2646.7	2622.6	2599.9	2588.6	2598.5	2588.6	2572.9	2574.4	2567.3	2580.0
25°	2636.8	2612.7	2584.3	2555.9	2550.2	2557.3	2551.7	2538.9	2533.2	2521.9	2527.5
27.5°	2608.4	2581.5	2546.0	2516.2	2506.2	2520.4	2507.7	2486.4	2470.8	2455.2	2443.8
30°	2575.8	2543.1	2503.4	2469.3	2460.8	2466.5	2448.1	2415.4	2374.3	2354.4	2323.2
32.5°	2540.3	2497.7	2448.1	2409.7	2404.1	2399.8	2365.7	2318.9	2255.1	2215.3	2167.1
35°	2493.5	2446.6	2387.0	2340.2	2331.7	2307.6	2252.2	2189.8	2107.5	2039.3	1957.0
37.5°	2441.0	2385.6	2323.2	2260.7	2236.6	2188.4	2110.3	2045.0	1920.1	1837.8	1738.5
40°	2381.4	2314.7	2238.0	2162.8	2123.1	2045.0	1955.6	1859.1	1738.5	1627.8	1544.1
42.5°	2299.0	2228.1	2137.3	2053.5	1985.4	1881.8	1776.8	1640.6	1529.9	1436.2	1351.0
45°	2201.1	2116.0	2011.0	1910.2	1823.6	1700.2	1576.7	1440.5	1348.2	1238.9	1180.7
47.5°	2074.8	1982.6	1870.5	1758.3	1644.8	1508.6	1379.4	1248.9	1156.6	1078.6	1036.0
50°	1925.8	1840.7	1717.2	1583.8	1458.9	1317.0	1187.8	1089.9	1000.5	952.3	919.6
52.5°	1741.3	1661.8	1535.5	1390.8	1270.2	1131.1	1013.3	933.8	869.9	834.5	823.1
55°	1535.5	1466.0	1341.1	1206.3	1082.8	955.1	865.7	796.2	755.0	733.7	735.1
57.5°	1315.6	1261.6	1143.8	1023.2	906.8	810.3	729.5	674.1	642.9	641.5	645.7
60°	1095.6	1055.9	953.7	850.1	747.9	669.8	610.2	571.9	552.1	553.5	552.1
62.5°	885.6	848.7	774.9	689.7	608.8	556.3	502.4	486.8	469.7	468.3	468.3
65°	696.8	668.4	608.8	547.8	486.8	452.7	425.7	407.3	394.5	391.7	393.1
67.5°	523.7	512.3	471.2	430.0	391.7	370.4	347.7	343.4	333.5	333.5	336.3
70°	390.3	381.8	359.0	334.9	319.3	305.1	293.8	293.8	292.3	290.9	298.0
72.5°	282.4	283.8	276.7	258.3	256.9	254.0	251.2	255.4	256.9	261.1	269.6
75°	198.7	202.9	202.9	200.1	205.8	212.9	217.1	224.2	232.7	238.4	248.4
77.5°	140.5	140.5	147.6	156.1	167.5	180.2	191.6	201.5	212.9	220.0	228.5
80°	90.8	95.1	106.4	122.0	137.7	154.7	170.3	183.1	194.4	205.8	211.5
82.5°	53.9	61.0	75.2	95.1	115.0	136.2	151.9	167.5	180.2	191.6	195.8
85°	27.0	36.9	53.9	75.2	96.5	119.2	139.1	153.3	167.5	177.4	183.1
87.5°	8.5	19.9	38.3	58.2	80.9	103.6	124.9	140.5	153.3	161.8	167.5
90°	0.0	9.9	27.0	48.3	69.5	92.2	112.1	129.1	141.9	149.0	153.3
92.5°	0.0	5.7	21.3	39.7	59.6	82.3	102.2	117.8	129.1	136.2	139.1
95°	1.4	4.3	15.6	32.6	52.5	73.8	92.2	106.4	117.8	124.9	126.3
97.5°	1.4	2.8	12.8	27.0	45.4	65.3	83.7	97.9	106.4	113.5	115.0
100°	1.4	2.8	9.9	24.1	39.7	58.2	75.2	88.0	97.9	103.6	105.0
102.5°	1.4	1.4	8.5	19.9	35.5	51.1	66.7	79.5	88.0	93.7	96.5
105°	1.4	1.4	7.1	17.0	31.2	45.4	59.6	72.4	79.5	85.1	88.0
107.5°	1.4	1.4	5.7	14.2	27.0	39.7	53.9	63.9	72.4	78.1	80.9
110°	1.4	1.4	4.3	12.8	22.7	35.5	46.8	56.8	65.3	71.0	73.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.4	1.4	4.3	11.4	19.9	31.2	41.2	51.1	58.2	63.9	68.1
115°	1.4	1.4	4.3	9.9	18.4	27.0	36.9	45.4	52.5	58.2	62.4
117.5°	1.4	1.4	4.3	8.5	15.6	24.1	32.6	41.2	46.8	52.5	56.8
120°	1.4	1.4	2.8	7.1	14.2	21.3	28.4	35.5	42.6	48.3	52.5
122.5°	1.4	1.4	2.8	7.1	11.4	18.4	25.5	31.2	38.3	42.6	46.8
125°	1.4	1.4	2.8	5.7	9.9	17.0	22.7	28.4	32.6	38.3	42.6
127.5°	1.4	1.4	2.8	5.7	8.5	14.2	19.9	25.5	29.8	34.1	36.9
130°	1.4	1.4	2.8	4.3	7.1	11.4	17.0	21.3	27.0	29.8	32.6
132.5°	1.4	1.4	1.4	4.3	5.7	8.5	12.8	18.4	22.7	27.0	28.4
135°	1.4	1.4	1.4	2.8	5.7	7.1	9.9	14.2	18.4	22.7	25.5
137.5°	1.4	1.4	1.4	2.8	4.3	7.1	8.5	11.4	15.6	18.4	22.7
140°	1.4	1.4	1.4	2.8	4.3	5.7	7.1	9.9	12.8	15.6	18.4
142.5°	1.4	1.4	1.4	2.8	2.8	4.3	5.7	8.5	9.9	12.8	15.6
145°	1.4	1.4	1.4	2.8	2.8	4.3	5.7	7.1	8.5	9.9	12.8
147.5°	1.4	1.4	1.4	2.8	2.8	2.8	4.3	5.7	7.1	8.5	9.9
150°	2.8	2.8	2.8	2.8	2.8	2.8	4.3	4.3	5.7	7.1	8.5
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	4.3	4.3	4.3	5.7	7.1
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.3	4.3	5.7	5.7
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°	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5
2.5°	2723.4	2726.2	2743.2	2741.8	2739.0	2736.2	2736.2	2733.3	2736.2	2743.2	2740.4
5°	2709.2	2713.4	2726.2	2724.8	2722.0	2720.5	2719.1	2714.9	2717.7	2727.6	2724.8
7.5°	2683.6	2687.9	2699.3	2693.6	2689.3	2692.2	2685.1	2680.8	2686.5	2696.4	2695.0
10°	2656.7	2659.5	2673.7	2670.9	2663.8	2665.2	2658.1	2655.3	2662.4	2668.0	2669.5
12.5°	2638.2	2648.2	2660.9	2659.5	2658.1	2659.5	2652.4	2649.6	2653.8	2659.5	2658.1
15°	2634.0	2646.7	2660.9	2660.9	2662.4	2663.8	2656.7	2652.4	2656.7	2660.9	2659.5
17.5°	2629.7	2645.3	2658.1	2656.7	2658.1	2660.9	2649.6	2646.7	2652.4	2658.1	2655.3
20°	2615.5	2629.7	2638.2	2635.4	2635.4	2636.8	2622.6	2622.6	2631.1	2635.4	2636.8
22.5°	2575.8	2592.8	2592.8	2585.7	2585.7	2580.0	2575.8	2567.3	2577.2	2584.3	2590.0
25°	2516.2	2523.3	2514.8	2499.2	2490.6	2483.5	2463.7	2480.7	2480.7	2502.0	2509.1
27.5°	2432.4	2416.8	2392.7	2360.1	2353.0	2330.3	2317.5	2321.8	2328.9	2358.7	2381.4
30°	2294.8	2248.0	2206.8	2192.6	2161.4	2138.7	2116.0	2127.3	2140.1	2157.1	2204.0
32.5°	2113.1	2067.7	2001.0	1976.9	1944.3	1915.9	1888.9	1905.9	1928.6	1940.0	1991.1
35°	1904.5	1850.6	1789.6	1748.4	1714.4	1698.7	1664.7	1688.8	1712.9	1721.4	1765.4
37.5°	1683.1	1627.8	1573.9	1538.4	1505.7	1495.8	1473.1	1490.1	1508.6	1521.3	1558.2
40°	1473.1	1422.0	1380.8	1356.7	1334.0	1325.5	1317.0	1324.1	1338.3	1348.2	1376.6
42.5°	1292.9	1251.7	1223.3	1209.1	1193.5	1182.2	1183.6	1186.4	1193.5	1214.8	1227.6
45°	1135.3	1111.2	1092.8	1089.9	1080.0	1078.6	1077.1	1082.8	1087.1	1099.9	1109.8
47.5°	1009.0	999.1	994.8	1000.5	1004.8	999.1	1001.9	1009.0	1017.5	1017.5	1016.1
50°	909.7	912.5	918.2	931.0	939.5	942.3	945.2	953.7	955.1	957.9	953.7
52.5°	828.8	831.6	847.2	867.1	877.0	881.3	887.0	895.5	895.5	898.3	892.7
55°	746.5	750.7	766.3	786.2	794.7	800.4	806.1	811.8	816.0	821.7	817.4
57.5°	655.7	668.4	678.4	684.0	689.7	694.0	698.2	699.6	708.2	709.6	716.7
60°	559.2	562.0	571.9	570.5	566.2	577.6	571.9	581.9	591.8	604.6	606.0
62.5°	466.9	468.3	475.4	472.6	478.3	476.8	481.1	481.1	488.2	493.9	501.0
65°	394.5	395.9	401.6	401.6	400.2	404.5	408.7	411.6	411.6	415.8	421.5
67.5°	340.6	344.9	350.5	353.4	356.2	356.2	360.5	361.9	364.7	366.1	369.0
70°	303.7	309.4	315.1	317.9	319.3	322.2	323.6	323.6	326.4	327.8	330.7
72.5°	276.7	282.4	286.7	286.7	289.5	290.9	290.9	292.3	293.8	296.6	299.4
75°	254.0	258.3	261.1	259.7	259.7	259.7	261.1	261.1	264.0	266.8	269.6
77.5°	232.7	237.0	237.0	234.2	234.2	234.2	234.2	235.6	237.0	239.8	242.7
80°	217.1	217.1	215.7	215.7	212.9	211.5	211.5	212.9	212.9	215.7	220.0
82.5°	200.1	200.1	198.7	197.3	195.8	194.4	194.4	195.8	197.3	198.7	201.5
85°	184.5	184.5	181.7	181.7	180.2	180.2	180.2	180.2	181.7	183.1	185.9
87.5°	168.9	167.5	166.0	164.6	164.6	164.6	164.6	164.6	166.0	168.9	170.3
90°	153.3	151.9	150.4	150.4	149.0	149.0	150.4	150.4	151.9	153.3	154.7
92.5°	139.1	137.7	136.2	136.2	134.8	134.8	136.2	134.8	137.7	137.7	139.1
95°	126.3	124.9	123.5	123.5	123.5	123.5	123.5	123.5	124.9	124.9	126.3
97.5°	115.0	113.5	112.1	112.1	113.5	112.1	113.5	113.5	113.5	115.0	116.4
100°	105.0	103.6	103.6	105.0	103.6	103.6	105.0	105.0	105.0	105.0	106.4
102.5°	96.5	96.5	96.5	96.5	96.5	96.5	97.9	97.9	97.9	97.9	99.3
105°	88.0	89.4	89.4	89.4	90.8	90.8	90.8	92.2	92.2	92.2	92.2
107.5°	82.3	83.7	83.7	85.1	85.1	86.6	86.6	86.6	86.6	88.0	88.0
110°	76.6	78.1	79.5	80.9	80.9	82.3	82.3	82.3	82.3	82.3	82.3



TEST NUMBER: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	71.0	72.4	73.8	76.6	78.1	78.1	78.1	78.1	79.5	79.5	78.1
115°	65.3	68.1	69.5	72.4	73.8	73.8	75.2	75.2	75.2	75.2	73.8
117.5°	59.6	63.9	65.3	68.1	69.5	69.5	71.0	71.0	71.0	71.0	69.5
120°	55.3	58.2	61.0	62.4	63.9	65.3	65.3	66.7	66.7	66.7	65.3
122.5°	51.1	53.9	56.8	58.2	59.6	61.0	61.0	61.0	61.0	61.0	61.0
125°	45.4	48.3	51.1	52.5	53.9	55.3	55.3	56.8	56.8	56.8	55.3
127.5°	41.2	44.0	45.4	48.3	49.7	49.7	51.1	51.1	51.1	51.1	49.7
130°	35.5	38.3	41.2	42.6	44.0	44.0	45.4	45.4	45.4	45.4	45.4
132.5°	31.2	34.1	35.5	38.3	38.3	39.7	39.7	41.2	41.2	41.2	39.7
135°	28.4	29.8	31.2	34.1	34.1	35.5	35.5	35.5	35.5	35.5	35.5
137.5°	25.5	27.0	28.4	29.8	29.8	31.2	31.2	31.2	31.2	32.6	31.2
140°	21.3	24.1	25.5	25.5	27.0	27.0	27.0	28.4	28.4	28.4	27.0
142.5°	18.4	19.9	21.3	22.7	24.1	24.1	24.1	24.1	25.5	24.1	24.1
145°	14.2	17.0	18.4	19.9	21.3	21.3	21.3	21.3	21.3	21.3	21.3
147.5°	11.4	12.8	15.6	17.0	17.0	18.4	18.4	18.4	18.4	18.4	18.4
150°	9.9	9.9	12.8	14.2	15.6	15.6	15.6	15.6	15.6	15.6	15.6
152.5°	7.1	8.5	9.9	11.4	12.8	12.8	12.8	12.8	12.8	12.8	12.8
155°	7.1	7.1	8.5	8.5	9.9	9.9	9.9	9.9	11.4	9.9	9.9
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: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5
2.5°	2736.2	2734.7	2740.4	2734.7	2706.3	2717.7	2713.4	2729.1	2730.5	2734.7	2748.9
5°	2722.0	2722.0	2729.1	2723.4	2696.4	2707.8	2706.3	2722.0	2724.8	2727.6	2743.2
7.5°	2693.6	2695.0	2704.9	2700.7	2672.3	2689.3	2687.9	2706.3	2712.0	2717.7	2731.9
10°	2666.6	2665.2	2676.5	2672.3	2645.3	2665.2	2663.8	2682.2	2690.7	2700.7	2717.7
12.5°	2652.4	2648.2	2652.4	2648.2	2618.4	2634.0	2635.4	2656.7	2666.6	2679.4	2699.3
15°	2652.4	2645.3	2645.3	2636.8	2602.7	2612.7	2614.1	2628.3	2641.1	2653.8	2678.0
17.5°	2649.6	2642.5	2641.1	2634.0	2597.1	2597.1	2595.7	2605.6	2612.7	2625.5	2651.0
20°	2634.0	2631.1	2629.7	2625.5	2591.4	2585.7	2582.9	2582.9	2587.1	2591.4	2616.9
22.5°	2592.8	2595.7	2598.5	2601.3	2574.4	2564.4	2565.9	2563.0	2558.8	2558.8	2580.0
25°	2516.2	2530.4	2541.7	2554.5	2538.9	2531.8	2540.3	2536.0	2529.0	2523.3	2541.7
27.5°	2394.1	2423.9	2448.1	2479.3	2480.7	2475.0	2497.7	2494.9	2493.5	2485.0	2499.2
30°	2225.3	2272.1	2304.7	2350.1	2388.5	2394.1	2432.4	2438.1	2443.8	2439.5	2453.7
32.5°	2020.9	2084.8	2140.1	2211.1	2248.0	2280.6	2334.5	2357.2	2379.9	2387.0	2402.6
35°	1798.1	1870.5	1935.7	2013.8	2072.0	2142.9	2208.2	2242.3	2293.4	2313.2	2335.9
37.5°	1586.6	1654.7	1718.6	1796.7	1890.3	1964.1	2045.0	2121.7	2191.2	2219.6	2253.6
40°	1399.3	1454.6	1515.7	1583.8	1668.9	1765.4	1853.4	1959.9	2042.2	2098.9	2148.6
42.5°	1257.4	1284.3	1336.9	1397.9	1466.0	1563.9	1653.3	1772.5	1871.9	1952.8	2035.1
45°	1131.1	1143.8	1182.2	1214.8	1284.3	1370.9	1466.0	1582.4	1686.0	1789.6	1888.9
47.5°	1023.2	1038.8	1057.3	1077.1	1126.8	1199.2	1281.5	1386.5	1490.1	1610.8	1724.3
50°	950.8	955.1	957.9	966.5	996.3	1045.9	1112.6	1202.0	1301.4	1430.5	1551.1
52.5°	887.0	887.0	878.5	874.2	885.6	916.8	955.1	1019.0	1121.1	1240.4	1368.1
55°	818.9	806.1	803.2	789.1	791.9	806.1	824.5	874.2	957.9	1060.1	1183.6
57.5°	723.8	718.1	718.1	712.4	701.1	708.2	712.4	747.9	807.5	895.5	1003.3
60°	614.5	611.7	618.8	620.2	610.2	614.5	613.1	634.4	676.9	747.9	837.3
62.5°	505.2	518.0	519.4	525.1	519.4	518.0	525.1	543.5	564.8	618.8	688.3
65°	424.3	431.4	432.8	439.9	437.1	437.1	442.8	457.0	469.7	506.6	560.6
67.5°	371.8	369.0	370.4	374.7	370.4	369.0	373.2	381.8	391.7	414.4	452.7
70°	330.7	327.8	327.8	327.8	322.2	317.9	319.3	322.2	326.4	339.2	363.3
72.5°	299.4	299.4	295.2	290.9	286.7	283.8	281.0	278.2	276.7	281.0	293.8
75°	271.1	272.5	271.1	266.8	261.1	255.4	249.8	244.1	237.0	234.2	235.6
77.5°	245.5	246.9	248.4	246.9	241.3	234.2	225.6	217.1	207.2	197.3	191.6
80°	222.8	225.6	227.1	225.6	221.4	215.7	205.8	195.8	181.7	168.9	154.7
82.5°	202.9	207.2	208.6	208.6	205.8	200.1	188.7	177.4	161.8	144.8	126.3
85°	187.3	190.2	193.0	193.0	191.6	185.9	174.6	161.8	146.2	126.3	106.4
87.5°	171.7	173.1	176.0	178.8	176.0	170.3	160.4	146.2	130.6	110.7	88.0
90°	156.1	157.5	160.4	163.2	161.8	156.1	147.6	134.8	117.8	96.5	73.8
92.5°	140.5	143.3	144.8	146.2	147.6	143.3	136.2	123.5	106.4	85.1	63.9
95°	129.1	129.1	132.0	133.4	134.8	130.6	124.9	112.1	96.5	76.6	55.3
97.5°	117.8	117.8	120.6	120.6	122.0	119.2	113.5	102.2	86.6	68.1	46.8
100°	106.4	107.9	109.3	110.7	110.7	109.3	103.6	92.2	78.1	61.0	41.2
102.5°	99.3	99.3	100.8	100.8	102.2	99.3	93.7	83.7	69.5	53.9	35.5
105°	92.2	92.2	93.7	93.7	92.2	89.4	83.7	75.2	62.4	46.8	31.2
107.5°	86.6	86.6	86.6	86.6	85.1	82.3	76.6	66.7	55.3	42.6	28.4
110°	82.3	80.9	80.9	79.5	78.1	73.8	68.1	59.6	49.7	36.9	24.1



TEST NUMBER: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	78.1	76.6	75.2	73.8	71.0	66.7	61.0	53.9	44.0	32.6	21.3
115°	73.8	72.4	71.0	68.1	65.3	61.0	55.3	48.3	38.3	28.4	18.4
117.5°	69.5	68.1	65.3	62.4	59.6	55.3	49.7	42.6	34.1	25.5	17.0
120°	63.9	62.4	61.0	58.2	55.3	49.7	44.0	38.3	29.8	22.7	14.2
122.5°	59.6	58.2	55.3	53.9	49.7	45.4	39.7	34.1	27.0	19.9	12.8
125°	53.9	52.5	51.1	48.3	45.4	39.7	35.5	29.8	24.1	17.0	9.9
127.5°	49.7	48.3	45.4	42.6	39.7	35.5	31.2	27.0	21.3	14.2	9.9
130°	44.0	42.6	41.2	38.3	35.5	31.2	28.4	22.7	18.4	12.8	8.5
132.5°	38.3	38.3	36.9	34.1	31.2	28.4	24.1	19.9	15.6	11.4	7.1
135°	35.5	34.1	32.6	29.8	28.4	24.1	21.3	17.0	12.8	9.9	5.7
137.5°	31.2	29.8	28.4	27.0	24.1	21.3	18.4	14.2	11.4	8.5	5.7
140°	27.0	25.5	25.5	22.7	21.3	18.4	15.6	12.8	9.9	7.1	4.3
142.5°	24.1	22.7	21.3	19.9	18.4	15.6	12.8	9.9	8.5	5.7	4.3
145°	21.3	19.9	18.4	17.0	15.6	12.8	11.4	8.5	7.1	5.7	4.3
147.5°	17.0	17.0	15.6	14.2	12.8	11.4	9.9	8.5	5.7	4.3	2.8
150°	14.2	14.2	12.8	11.4	11.4	9.9	8.5	7.1	5.7	4.3	2.8
152.5°	12.8	11.4	11.4	9.9	9.9	8.5	7.1	5.7	4.3	4.3	2.8
155°	9.9	9.9	9.9	8.5	8.5	7.1	5.7	5.7	4.3	2.8	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5
2.5°	2751.8	2734.7	2748.9	2774.5	2771.6	2768.8	2766.0	2771.6	2790.1	2780.1	2764.5
5°	2747.5	2730.5	2746.1	2770.2	2768.8	2764.5	2761.7	2767.4	2785.8	2775.9	2758.9
7.5°	2739.0	2723.4	2734.7	2758.9	2758.9	2756.0	2753.2	2758.9	2775.9	2767.4	2750.3
10°	2724.8	2713.4	2724.8	2747.5	2748.9	2743.2	2740.4	2747.5	2764.5	2760.3	2746.1
12.5°	2713.4	2702.1	2714.9	2737.6	2739.0	2733.3	2729.1	2737.6	2760.3	2763.1	2758.9
15°	2697.8	2687.9	2703.5	2727.6	2727.6	2723.4	2723.4	2734.7	2766.0	2778.7	2785.8
17.5°	2675.1	2668.0	2686.5	2710.6	2712.0	2709.2	2710.6	2733.3	2774.5	2805.7	2825.6
20°	2646.7	2643.9	2663.8	2689.3	2693.6	2695.0	2702.1	2736.2	2792.9	2835.5	2855.4
22.5°	2612.7	2614.1	2636.8	2663.8	2669.5	2673.7	2687.9	2736.2	2807.1	2852.5	2861.0
25°	2574.4	2578.6	2602.7	2635.4	2642.5	2651.0	2675.1	2737.6	2811.4	2841.2	2827.0
27.5°	2533.2	2541.7	2572.9	2607.0	2615.5	2629.7	2660.9	2729.1	2791.5	2792.9	2740.4
30°	2490.6	2500.6	2537.5	2577.2	2591.4	2605.6	2643.9	2709.2	2743.2	2697.8	2605.6
32.5°	2442.4	2456.6	2493.5	2541.7	2558.8	2577.2	2615.5	2670.9	2658.1	2560.2	2428.2
35°	2381.4	2401.2	2443.8	2500.6	2516.2	2540.3	2567.3	2580.0	2523.3	2384.2	2235.2
37.5°	2306.1	2335.9	2385.6	2450.9	2467.9	2483.5	2490.6	2455.2	2341.6	2191.2	2036.5
40°	2219.6	2265.0	2318.9	2391.3	2408.3	2408.3	2382.8	2307.6	2164.2	1967.0	1795.2
42.5°	2114.6	2169.9	2238.0	2310.4	2327.4	2307.6	2246.5	2114.6	1951.4	1731.4	1549.7
45°	1986.8	2060.6	2137.3	2212.5	2221.0	2177.0	2067.7	1900.3	1698.7	1494.4	1321.2
47.5°	1835.0	1931.5	2015.2	2100.4	2089.0	2015.2	1869.0	1678.9	1466.0	1273.0	1133.9
50°	1664.7	1778.2	1871.9	1952.8	1928.6	1826.5	1654.7	1456.1	1244.6	1080.0	965.0
52.5°	1483.0	1613.6	1707.3	1772.5	1739.9	1617.8	1429.1	1238.9	1065.8	915.4	838.7
55°	1294.3	1426.3	1522.8	1573.9	1531.3	1399.3	1213.4	1040.2	877.0	779.1	733.7
57.5°	1111.2	1234.7	1325.5	1366.7	1312.7	1180.7	1009.0	862.9	745.1	662.8	640.0
60°	935.2	1036.0	1122.6	1153.8	1095.6	973.5	826.0	709.6	623.0	566.2	554.9
62.5°	772.0	854.3	922.5	946.6	889.8	794.7	667.0	580.4	519.4	491.0	476.8
65°	637.2	685.5	755.0	750.7	716.7	628.7	535.0	474.0	434.3	415.8	407.3
67.5°	501.0	545.0	589.0	594.6	552.1	491.0	430.0	386.0	364.7	354.8	350.5
70°	387.4	420.1	447.0	439.9	417.2	378.9	340.6	316.5	308.0	303.7	303.7
72.5°	300.9	317.9	330.7	322.2	308.0	288.1	269.6	259.7	261.1	264.0	266.8
75°	232.7	237.0	239.8	231.3	228.5	215.7	214.3	215.7	224.2	232.7	237.0
77.5°	178.8	173.1	168.9	160.4	161.8	160.4	167.5	178.8	191.6	204.4	215.7
80°	137.7	124.9	115.0	106.4	110.7	117.8	132.0	149.0	166.0	180.2	194.4
82.5°	106.4	88.0	73.8	65.3	73.8	85.1	103.6	124.9	144.8	160.4	176.0
85°	82.3	61.0	44.0	35.5	44.0	61.0	80.9	105.0	126.3	143.3	158.9
87.5°	63.9	44.0	24.1	14.2	24.1	42.6	65.3	88.0	109.3	129.1	144.8
90°	51.1	29.8	11.4	2.8	12.8	29.8	51.1	73.8	95.1	116.4	132.0
92.5°	41.2	21.3	5.7	0.0	7.1	22.7	42.6	63.9	85.1	105.0	120.6
95°	34.1	17.0	4.3	0.0	5.7	17.0	34.1	55.3	75.2	95.1	107.9
97.5°	28.4	12.8	2.8	0.0	2.8	14.2	28.4	46.8	66.7	85.1	97.9
100°	24.1	11.4	2.8	0.0	2.8	11.4	24.1	41.2	58.2	75.2	88.0
102.5°	19.9	8.5	1.4	1.4	1.4	8.5	21.3	35.5	51.1	66.7	79.5
105°	18.4	7.1	1.4	1.4	1.4	7.1	18.4	31.2	45.4	59.6	71.0
107.5°	15.6	5.7	1.4	1.4	1.4	5.7	15.6	27.0	41.2	53.9	63.9
110°	12.8	5.7	1.4	1.4	1.4	5.7	12.8	24.1	35.5	46.8	56.8



TEST NUMBER: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	11.4	4.3	1.4	1.4	1.4	4.3	11.4	21.3	31.2	42.6	51.1
115°	9.9	4.3	1.4	1.4	1.4	4.3	9.9	18.4	27.0	36.9	45.4
117.5°	8.5	4.3	1.4	1.4	1.4	2.8	8.5	15.6	24.1	32.6	41.2
120°	7.1	2.8	1.4	1.4	1.4	2.8	7.1	14.2	21.3	28.4	35.5
122.5°	7.1	2.8	1.4	1.4	1.4	2.8	5.7	11.4	18.4	24.1	31.2
125°	5.7	2.8	1.4	1.4	1.4	1.4	5.7	9.9	15.6	21.3	27.0
127.5°	5.7	2.8	1.4	1.4	1.4	1.4	4.3	8.5	12.8	18.4	24.1
130°	4.3	2.8	1.4	1.4	1.4	1.4	2.8	7.1	11.4	15.6	19.9
132.5°	4.3	2.8	1.4	1.4	1.4	1.4	2.8	5.7	8.5	12.8	17.0
135°	4.3	1.4	1.4	1.4	1.4	1.4	1.4	4.3	7.1	9.9	12.8
137.5°	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.7	7.1	11.4
140°	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.3	5.7	8.5
142.5°	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.3	7.1
145°	2.8	1.4	1.4	2.8	2.8	1.4	1.4	2.8	2.8	4.3	5.7
147.5°	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	4.3
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.3
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5
2.5°	2761.7	2729.1	2746.1	2740.4	2746.1	2760.3	2758.9	2754.6	2757.4	2750.3	2743.2
5°	2756.0	2723.4	2740.4	2733.3	2740.4	2754.6	2751.8	2747.5	2751.8	2743.2	2736.2
7.5°	2748.9	2719.1	2739.0	2737.6	2750.3	2768.8	2770.2	2770.2	2780.1	2767.4	2761.7
10°	2748.9	2733.3	2760.3	2770.2	2802.9	2827.0	2829.8	2835.5	2852.5	2849.7	2835.5
12.5°	2778.7	2775.9	2815.6	2839.8	2869.6	2903.6	2922.1	2927.7	2939.1	2930.6	2924.9
15°	2817.0	2831.2	2875.2	2902.2	2934.8	2960.4	2964.6	2967.5	2976.0	2963.2	2953.3
17.5°	2868.1	2876.6	2912.1	2923.5	2944.8	2949.0	2943.3	2929.2	2929.2	2900.8	2892.3
20°	2892.3	2888.0	2902.2	2883.7	2875.2	2849.7	2825.6	2798.6	2797.2	2767.4	2764.5
22.5°	2871.0	2842.6	2812.8	2767.4	2747.5	2710.6	2678.0	2662.4	2652.4	2614.1	2604.2
25°	2795.8	2726.2	2682.2	2628.3	2580.0	2537.5	2506.2	2473.6	2442.4	2411.2	2397.0
27.5°	2665.2	2599.9	2529.0	2453.7	2387.0	2321.8	2269.2	2236.6	2206.8	2165.6	2144.4
30°	2504.8	2414.0	2335.9	2263.6	2154.3	2074.8	2030.8	1965.5	1942.8	1924.4	1884.7
32.5°	2316.1	2206.8	2100.4	2002.4	1890.3	1816.5	1758.3	1710.1	1695.9	1647.7	1636.3
35°	2107.5	1964.1	1843.5	1747.0	1666.1	1576.7	1528.4	1495.8	1467.4	1434.8	1429.1
37.5°	1861.9	1732.8	1596.6	1511.4	1447.5	1370.9	1334.0	1311.3	1298.5	1274.4	1270.2
40°	1615.0	1485.9	1392.2	1307.1	1267.3	1226.2	1199.2	1189.3	1183.6	1175.1	1166.6
42.5°	1390.8	1277.2	1210.5	1153.8	1136.8	1116.9	1109.8	1115.5	1109.8	1106.9	1105.5
45°	1200.6	1114.0	1067.2	1050.2	1045.9	1040.2	1045.9	1055.9	1057.3	1054.4	1054.4
47.5°	1027.5	986.3	966.5	969.3	976.4	980.6	990.6	1003.3	1006.2	999.1	1001.9
50°	913.9	889.8	885.6	896.9	912.5	918.2	929.6	939.5	938.1	935.2	932.4
52.5°	807.5	800.4	811.8	823.1	840.1	843.0	847.2	851.5	850.1	844.4	841.6
55°	718.1	723.8	733.7	738.0	750.7	749.3	750.7	750.7	745.1	742.2	738.0
57.5°	637.2	638.6	644.3	645.7	652.8	650.0	648.6	645.7	637.2	635.8	631.5
60°	554.9	552.1	564.8	554.9	560.6	554.9	553.5	546.4	537.9	536.4	533.6
62.5°	476.8	471.2	479.7	475.4	478.3	472.6	469.7	461.2	454.1	452.7	451.3
65°	407.3	404.5	413.0	411.6	414.4	407.3	404.5	398.8	393.1	391.7	390.3
67.5°	349.1	356.2	360.5	360.5	363.3	361.9	354.8	353.4	352.0	346.3	346.3
70°	306.5	310.8	319.3	320.7	319.3	322.2	316.5	315.1	313.6	310.8	309.4
72.5°	272.5	278.2	286.7	288.1	286.7	286.7	283.8	282.4	282.4	278.2	278.2
75°	245.5	252.6	259.7	259.7	259.7	256.9	254.0	254.0	251.2	249.8	246.9
77.5°	222.8	231.3	237.0	235.6	234.2	231.3	231.3	227.1	222.8	222.8	220.0
80°	205.8	211.5	215.7	214.3	212.9	208.6	207.2	202.9	200.1	195.8	195.8
82.5°	187.3	194.4	197.3	195.8	193.0	188.7	187.3	184.5	181.7	180.2	177.4
85°	171.7	178.8	180.2	177.4	174.6	171.7	170.3	168.9	167.5	164.6	164.6
87.5°	156.1	163.2	163.2	161.8	158.9	157.5	156.1	154.7	153.3	151.9	150.4
90°	143.3	149.0	149.0	147.6	146.2	144.8	143.3	141.9	140.5	139.1	139.1
92.5°	130.6	136.2	136.2	134.8	133.4	132.0	132.0	130.6	129.1	127.7	126.3
95°	119.2	124.9	124.9	124.9	123.5	122.0	122.0	120.6	119.2	119.2	117.8
97.5°	107.9	113.5	113.5	113.5	112.1	110.7	110.7	109.3	109.3	109.3	107.9
100°	97.9	102.2	103.6	103.6	102.2	102.2	102.2	100.8	100.8	100.8	99.3
102.5°	88.0	92.2	95.1	95.1	95.1	93.7	93.7	93.7	93.7	93.7	92.2
105°	79.5	83.7	86.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
107.5°	72.4	76.6	79.5	80.9	82.3	82.3	83.7	83.7	83.7	83.7	83.7
110°	65.3	69.5	73.8	75.2	76.6	78.1	78.1	79.5	78.1	78.1	78.1



TEST NUMBER: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	58.2	63.9	66.7	69.5	71.0	72.4	73.8	73.8	73.8	73.8	73.8
115°	52.5	58.2	61.0	63.9	66.7	68.1	68.1	69.5	69.5	69.5	68.1
117.5°	46.8	52.5	55.3	58.2	59.6	62.4	63.9	63.9	63.9	63.9	62.4
120°	42.6	46.8	49.7	52.5	55.3	56.8	58.2	58.2	58.2	58.2	58.2
122.5°	36.9	41.2	45.4	48.3	49.7	51.1	52.5	52.5	52.5	52.5	52.5
125°	32.6	36.9	39.7	42.6	44.0	46.8	46.8	46.8	46.8	46.8	46.8
127.5°	28.4	32.6	35.5	38.3	39.7	41.2	42.6	42.6	42.6	42.6	42.6
130°	24.1	28.4	31.2	34.1	35.5	36.9	36.9	38.3	38.3	38.3	38.3
132.5°	21.3	24.1	27.0	29.8	31.2	32.6	32.6	34.1	34.1	34.1	34.1
135°	17.0	21.3	22.7	25.5	27.0	28.4	28.4	29.8	29.8	29.8	29.8
137.5°	14.2	17.0	19.9	22.7	24.1	24.1	25.5	25.5	27.0	27.0	27.0
140°	11.4	12.8	17.0	18.4	19.9	21.3	22.7	22.7	22.7	22.7	22.7
142.5°	8.5	11.4	12.8	15.6	17.0	18.4	19.9	19.9	19.9	19.9	19.9
145°	7.1	8.5	9.9	12.8	14.2	15.6	17.0	17.0	17.0	17.0	17.0
147.5°	5.7	7.1	8.5	9.9	11.4	12.8	14.2	14.2	14.2	14.2	14.2
150°	4.3	5.7	7.1	7.1	8.5	9.9	11.4	12.8	12.8	12.8	12.8
152.5°	4.3	4.3	5.7	5.7	7.1	8.5	9.9	9.9	9.9	9.9	9.9
155°	2.8	4.3	4.3	4.3	5.7	5.7	7.1	8.5	8.5	8.5	8.5
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: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5
2.5°	2747.5	2753.2	2750.3	2746.1	2744.7	2751.8	2744.7	2712.0	2724.8	2726.2	2736.2
5°	2743.2	2747.5	2744.7	2741.8	2737.6	2746.1	2737.6	2703.5	2716.3	2717.7	2727.6
7.5°	2771.6	2773.0	2773.0	2766.0	2754.6	2758.9	2747.5	2709.2	2716.3	2716.3	2723.4
10°	2842.6	2845.4	2849.7	2831.2	2817.0	2805.7	2790.1	2743.2	2741.8	2730.5	2730.5
12.5°	2934.8	2927.7	2920.6	2912.1	2900.8	2886.6	2863.9	2808.5	2790.1	2771.6	2753.2
15°	2961.8	2959.0	2957.5	2953.3	2946.2	2941.9	2924.9	2869.6	2842.6	2819.9	2787.2
17.5°	2890.8	2896.5	2915.0	2916.4	2924.9	2941.9	2939.1	2900.8	2876.6	2866.7	2827.0
20°	2763.1	2764.5	2787.2	2797.2	2834.1	2862.5	2883.7	2879.5	2873.8	2885.2	2855.4
22.5°	2609.8	2619.8	2643.9	2659.5	2695.0	2727.6	2761.7	2780.1	2809.9	2856.8	2851.1
25°	2401.2	2414.0	2448.1	2473.6	2523.3	2572.9	2618.4	2651.0	2686.5	2775.9	2805.7
27.5°	2151.5	2171.3	2215.3	2240.9	2310.4	2361.5	2426.8	2490.6	2540.3	2642.5	2703.5
30°	1888.9	1905.9	1952.8	1988.3	2047.9	2117.4	2199.7	2290.5	2372.8	2476.4	2553.1
32.5°	1643.4	1661.8	1700.2	1731.4	1798.1	1856.3	1947.1	2059.2	2135.8	2279.2	2381.4
35°	1429.1	1446.1	1473.1	1500.1	1555.4	1615.0	1693.1	1802.3	1900.3	2049.3	2178.4
37.5°	1278.7	1281.5	1297.1	1312.7	1353.9	1399.3	1460.3	1556.8	1647.7	1808.0	1949.9
40°	1170.8	1170.8	1179.3	1183.6	1202.0	1229.0	1267.3	1342.5	1417.7	1539.8	1712.9
42.5°	1104.1	1101.3	1101.3	1102.7	1101.3	1114.0	1136.8	1172.2	1238.9	1339.7	1474.5
45°	1054.4	1048.8	1044.5	1034.6	1028.9	1028.9	1030.3	1043.1	1081.4	1146.7	1256.0
47.5°	999.1	997.7	990.6	979.2	969.3	962.2	950.8	946.6	957.9	994.8	1068.6
50°	935.2	928.1	921.0	912.5	901.2	894.1	872.8	874.2	864.3	881.3	919.6
52.5°	841.6	835.9	833.1	826.0	821.7	818.9	801.8	784.8	780.5	783.4	797.6
55°	738.0	740.8	729.5	735.1	733.7	720.9	713.8	701.1	696.8	695.4	702.5
57.5°	630.1	632.9	625.9	631.5	631.5	624.4	620.2	620.2	610.2	601.7	611.7
60°	532.2	526.5	530.8	537.9	537.9	533.6	530.8	530.8	523.7	520.8	527.9
62.5°	452.7	447.0	451.3	458.4	459.8	457.0	454.1	454.1	445.6	445.6	451.3
65°	391.7	393.1	391.7	397.4	397.4	398.8	395.9	393.1	383.2	387.4	386.0
67.5°	347.7	346.3	346.3	352.0	350.5	353.4	350.5	346.3	339.2	333.5	332.1
70°	310.8	309.4	309.4	312.2	313.6	313.6	312.2	309.4	299.4	293.8	289.5
72.5°	278.2	276.7	278.2	279.6	281.0	282.4	281.0	278.2	269.6	262.5	255.4
75°	248.4	246.9	251.2	251.2	252.6	252.6	254.0	252.6	245.5	237.0	228.5
77.5°	218.6	220.0	224.2	225.6	228.5	229.9	231.3	231.3	224.2	217.1	205.8
80°	194.4	197.3	200.1	201.5	204.4	208.6	210.0	211.5	205.8	198.7	185.9
82.5°	177.4	178.8	181.7	183.1	187.3	188.7	190.2	193.0	190.2	183.1	168.9
85°	163.2	164.6	167.5	167.5	170.3	173.1	174.6	176.0	174.6	167.5	153.3
87.5°	150.4	151.9	153.3	154.7	156.1	157.5	158.9	160.4	158.9	151.9	139.1
90°	139.1	139.1	140.5	140.5	141.9	143.3	146.2	146.2	144.8	139.1	126.3
92.5°	126.3	127.7	127.7	129.1	130.6	132.0	133.4	133.4	132.0	126.3	115.0
95°	117.8	117.8	119.2	119.2	120.6	120.6	122.0	122.0	120.6	115.0	103.6
97.5°	107.9	107.9	107.9	107.9	109.3	109.3	110.7	110.7	109.3	103.6	93.7
100°	99.3	99.3	99.3	99.3	99.3	100.8	100.8	100.8	99.3	93.7	83.7
102.5°	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	89.4	85.1	75.2
105°	88.0	88.0	88.0	86.6	86.6	86.6	85.1	85.1	80.9	76.6	68.1
107.5°	82.3	82.3	82.3	80.9	80.9	79.5	78.1	78.1	73.8	69.5	61.0
110°	78.1	78.1	78.1	76.6	75.2	73.8	72.4	71.0	66.7	61.0	53.9



TEST NUMBER: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	73.8	73.8	72.4	72.4	71.0	69.5	66.7	65.3	61.0	55.3	48.3
115°	68.1	68.1	68.1	66.7	65.3	63.9	62.4	59.6	55.3	49.7	42.6
117.5°	62.4	62.4	62.4	61.0	59.6	58.2	56.8	53.9	49.7	44.0	38.3
120°	56.8	56.8	56.8	55.3	53.9	52.5	51.1	48.3	44.0	39.7	32.6
122.5°	52.5	52.5	51.1	49.7	48.3	46.8	45.4	42.6	39.7	34.1	28.4
125°	46.8	46.8	45.4	45.4	44.0	42.6	41.2	38.3	34.1	29.8	25.5
127.5°	42.6	41.2	41.2	41.2	39.7	38.3	35.5	34.1	29.8	25.5	21.3
130°	36.9	36.9	36.9	35.5	35.5	34.1	31.2	28.4	25.5	22.7	18.4
132.5°	32.6	32.6	32.6	32.6	31.2	29.8	27.0	25.5	22.7	18.4	15.6
135°	29.8	29.8	28.4	28.4	27.0	25.5	24.1	21.3	18.4	15.6	12.8
137.5°	25.5	25.5	25.5	24.1	24.1	22.7	19.9	18.4	17.0	14.2	11.4
140°	22.7	22.7	21.3	21.3	19.9	19.9	18.4	15.6	14.2	11.4	9.9
142.5°	19.9	19.9	18.4	18.4	17.0	17.0	15.6	14.2	11.4	9.9	7.1
145°	17.0	17.0	15.6	15.6	15.6	14.2	12.8	11.4	9.9	8.5	7.1
147.5°	14.2	14.2	14.2	12.8	12.8	11.4	11.4	9.9	8.5	7.1	5.7
150°	12.8	12.8	11.4	11.4	11.4	9.9	8.5	8.5	7.1	5.7	4.3
152.5°	9.9	9.9	9.9	9.9	8.5	8.5	7.1	7.1	5.7	4.3	4.3
155°	8.5	8.5	8.5	7.1	7.1	7.1	5.7	5.7	4.3	4.3	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5	2747.5
2.5°	2731.9	2730.5	2743.2	2741.8	2724.8	2750.3	2767.4
5°	2724.8	2723.4	2734.7	2737.6	2719.1	2746.1	2764.5
7.5°	2719.1	2717.7	2730.5	2734.7	2716.3	2740.4	2760.3
10°	2720.5	2713.4	2724.8	2727.6	2710.6	2736.2	2753.2
12.5°	2730.5	2713.4	2717.7	2717.7	2702.1	2724.8	2743.2
15°	2754.6	2719.1	2713.4	2709.2	2689.3	2710.6	2729.1
17.5°	2781.6	2733.3	2713.4	2699.3	2675.1	2693.6	2713.4
20°	2808.5	2748.9	2716.3	2693.6	2660.9	2678.0	2692.2
22.5°	2821.3	2763.1	2719.1	2685.1	2643.9	2652.4	2668.0
25°	2804.3	2757.4	2713.4	2672.3	2622.6	2624.0	2636.8
27.5°	2741.8	2729.1	2700.7	2659.5	2605.6	2598.5	2608.4
30°	2635.4	2670.9	2672.3	2642.5	2585.7	2571.5	2575.8
32.5°	2486.4	2565.9	2612.7	2607.0	2557.3	2537.5	2540.3
35°	2314.7	2414.0	2516.2	2550.2	2514.8	2499.2	2493.5
37.5°	2108.9	2242.3	2378.5	2462.3	2456.6	2446.6	2441.0
40°	1881.8	2042.2	2204.0	2337.4	2378.5	2378.5	2381.4
42.5°	1639.1	1826.5	2003.9	2172.7	2269.2	2290.5	2299.0
45°	1405.0	1593.7	1786.7	1981.2	2110.3	2177.0	2201.1
47.5°	1192.1	1382.3	1565.3	1778.2	1949.9	2036.5	2074.8
50°	1010.4	1152.4	1345.4	1556.8	1744.2	1850.6	1925.8
52.5°	860.0	970.7	1139.6	1336.9	1525.6	1671.8	1741.3
55°	733.7	808.9	952.3	1122.6	1302.8	1454.6	1535.5
57.5°	627.3	686.9	784.8	926.7	1078.6	1229.0	1315.6
60°	533.6	574.8	641.5	753.6	882.7	1011.9	1095.6
62.5°	452.7	479.7	523.7	606.0	706.7	807.5	885.6
65°	390.3	401.6	425.7	476.8	553.5	630.1	696.8
67.5°	329.2	336.3	354.8	386.0	424.3	479.7	523.7
70°	283.8	283.8	285.3	303.7	323.6	359.0	390.3
72.5°	246.9	242.7	234.2	238.4	242.7	262.5	282.4
75°	217.1	207.2	193.0	187.3	184.5	187.3	198.7
77.5°	191.6	177.4	160.4	146.2	134.8	130.6	140.5
80°	170.3	153.3	133.4	115.0	96.5	86.6	90.8
82.5°	153.3	132.0	110.7	89.4	68.1	53.9	53.9
85°	134.8	115.0	92.2	69.5	48.3	29.8	27.0
87.5°	122.0	100.8	76.6	55.3	34.1	15.6	8.5
90°	109.3	88.0	65.3	44.0	24.1	7.1	0.0
92.5°	97.9	78.1	56.8	35.5	17.0	4.3	0.0
95°	88.0	69.5	48.3	29.8	14.2	2.8	1.4
97.5°	78.1	61.0	42.6	24.1	9.9	2.8	1.4
100°	71.0	53.9	36.9	19.9	8.5	1.4	1.4
102.5°	62.4	48.3	31.2	17.0	7.1	1.4	1.4
105°	55.3	42.6	27.0	14.2	5.7	1.4	1.4
107.5°	49.7	36.9	24.1	12.8	5.7	1.4	1.4
110°	44.0	32.6	21.3	11.4	4.3	1.4	1.4



TEST NUMBER: P290202

CATALOG NUMBER: 4SSRK-LC-60-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	39.7	28.4	18.4	9.9	2.8	1.4	1.4
115°	34.1	25.5	15.6	8.5	2.8	1.4	1.4
117.5°	29.8	21.3	14.2	7.1	2.8	1.4	1.4
120°	25.5	18.4	11.4	5.7	1.4	1.4	1.4
122.5°	22.7	15.6	9.9	5.7	1.4	1.4	1.4
125°	19.9	14.2	8.5	4.3	1.4	1.4	1.4
127.5°	17.0	11.4	7.1	2.8	1.4	1.4	1.4
130°	14.2	9.9	5.7	2.8	1.4	1.4	1.4
132.5°	11.4	8.5	5.7	2.8	1.4	1.4	1.4
135°	9.9	7.1	4.3	2.8	1.4	1.4	1.4
137.5°	8.5	5.7	2.8	2.8	2.8	1.4	1.4
140°	7.1	4.3	2.8	2.8	2.8	2.8	1.4
142.5°	5.7	4.3	2.8	2.8	2.8	2.8	1.4
145°	4.3	2.8	2.8	2.8	2.8	2.8	1.4
147.5°	4.3	2.8	2.8	2.8	2.8	2.8	1.4
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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)