

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: P290240

Luminaire Tested: **8SSRK-LC-80-L830-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: P290240
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: 8SSRK-LC-80-L830-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8583.9 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

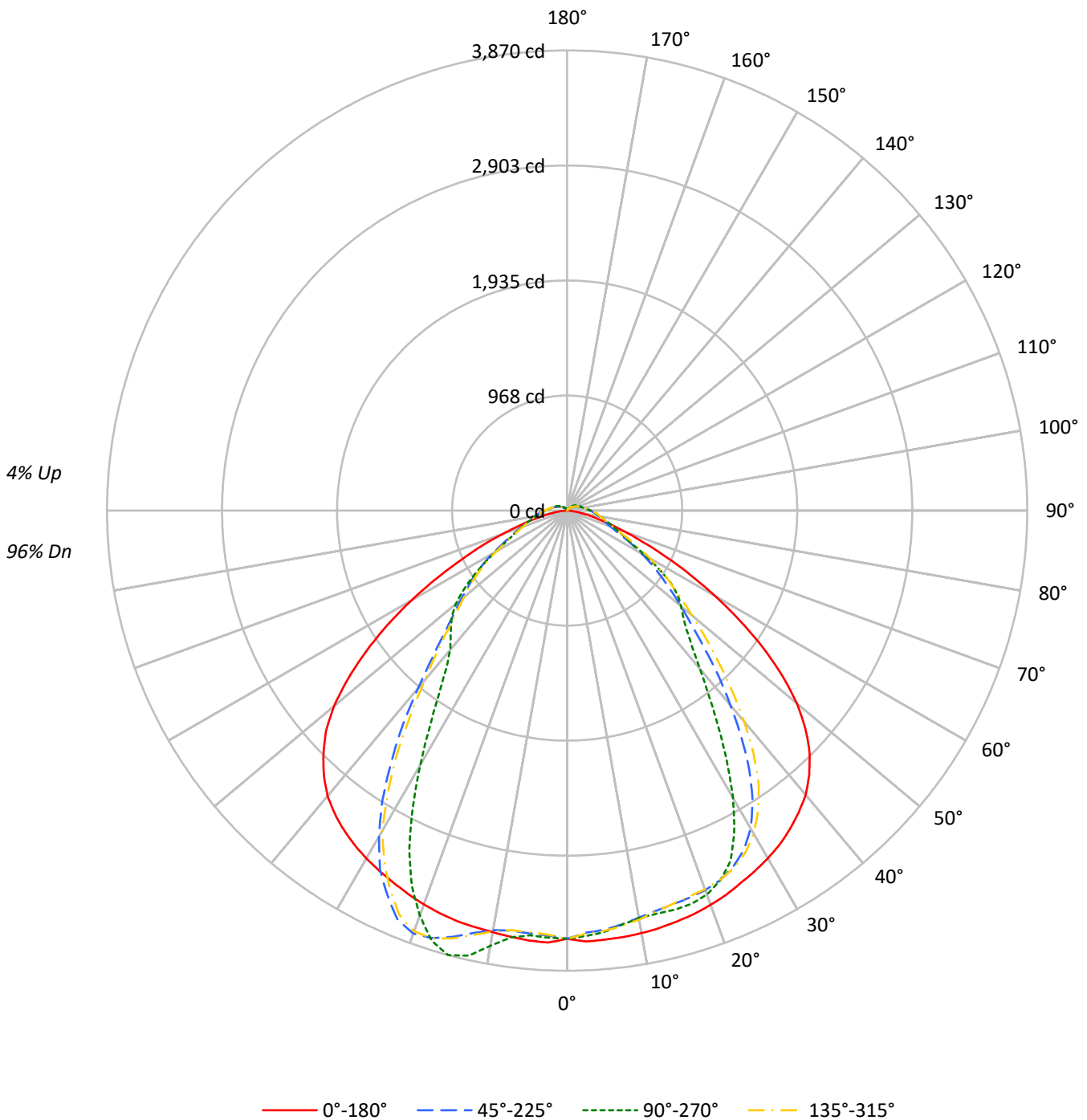
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	116272	116272	116272	116272
5°	117225	85432	117468	86102
10°	117879	66910	117634	71451
15°	118901	56091	118841	62453
20°	120330	48092	120204	50695
25°	121937	40428	121874	39063
30°	124374	31413	124440	27828
35°	126967	22954	127328	19425
40°	129297	16791	129835	14793
45°	129047	12961	129709	12622
50°	123716	10887	125451	10644
55°	110022	8922	112766	8111
60°	89499	6211	94255	5697
65°	66792	4303	71963	4080
70°	45678	3340	51492	3193
75°	30145	2680	35100	2535
80°	19791	2191	23200	2015
85°	10563	1873	13915	1711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.0	4.0
10°-20°	1017.6	11.9
20°-30°	1547.1	18.0
30°-40°	1659.7	19.3
40°-50°	1440.4	16.8
50°-60°	1067.5	12.4
60°-70°	611.6	7.1
70°-80°	338.7	3.9
80°-90°	206.2	2.4
90°-100°	134.1	1.6
100°-110°	89.8	1.0
110°-120°	60.7	0.7
120°-130°	37.2	0.4
130°-140°	19.6	0.2
140°-150°	8.9	0.1
150°-160°	2.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2906.8	33.9
0°-40°	4566.4	53.2
0°-60°	7074.4	82.4
0°-90°	8230.9	95.9
90°-120°	284.6	3.3
90°-150°	350.3	4.1
90°-180°	353.0	4.1
0°-180°	8583.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3601	3601	3601	3601	3601	
5°	3623	3558	3630	3586	3623	345
15°	3576	3476	3575	3870	3576	1012
25°	3456	3251	3454	3141	3456	1597
35°	3268	2213	3277	1873	3268	2045
45°	2885	1419	2900	1382	2885	2208
55°	2012	1064	2063	967	2012	1785
65°	913	539	984	512	913	921
75°	260	342	303	324	260	297
85°	35	236	46	216	35	47
90°	0	197	4	182	0	2
95°	2	162	0	154	2	1
105°	2	121	2	115	2	2
115°	2	99	2	89	2	2
125°	2	74	2	61	2	2
135°	2	46	2	39	2	1
145°	2	28	4	22	2	1
155°	4	13	4	11	4	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°	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7
2.5°	3626.8	3617.5	3613.7	3606.3	3611.9	3634.2	3619.3	3595.1	3597.0	3554.2	3576.5
5°	3623.0	3611.9	3606.3	3598.9	3602.6	3623.0	3608.2	3584.0	3582.1	3539.3	3559.8
7.5°	3617.5	3606.3	3597.0	3591.4	3593.3	3610.0	3591.4	3563.5	3557.9	3511.4	3530.0
10°	3608.2	3600.7	3587.7	3578.4	3576.5	3595.1	3565.4	3537.5	3524.5	3476.1	3494.7
12.5°	3595.1	3584.0	3571.0	3554.2	3552.4	3563.5	3539.3	3500.3	3487.3	3448.2	3468.7
15°	3576.5	3563.5	3548.6	3530.0	3520.7	3528.2	3498.4	3463.1	3461.2	3427.7	3455.6
17.5°	3556.1	3537.5	3520.7	3494.7	3481.7	3487.3	3463.1	3431.5	3435.2	3414.7	3446.3
20°	3528.2	3507.7	3481.7	3455.6	3437.0	3446.3	3429.6	3405.4	3411.0	3396.1	3424.0
22.5°	3496.6	3468.7	3437.0	3407.3	3392.4	3405.4	3392.4	3372.0	3373.8	3364.5	3381.3
25°	3455.6	3424.0	3386.8	3349.6	3342.2	3351.5	3344.1	3327.3	3319.9	3305.0	3312.4
27.5°	3418.4	3383.1	3336.6	3297.6	3284.5	3303.1	3286.4	3258.5	3238.0	3217.6	3202.7
30°	3375.7	3332.9	3280.8	3236.2	3225.0	3232.5	3208.3	3165.5	3111.6	3085.5	3044.6
32.5°	3329.2	3273.4	3208.3	3158.1	3150.6	3145.0	3100.4	3039.0	2955.3	2903.3	2840.0
35°	3267.8	3206.4	3128.3	3066.9	3055.8	3024.2	2951.6	2869.8	2761.9	2672.6	2564.8
37.5°	3199.0	3126.4	3044.6	2962.8	2931.2	2867.9	2765.6	2680.1	2516.4	2408.5	2278.3
40°	3120.9	3033.5	2933.0	2834.4	2782.4	2680.1	2562.9	2436.4	2278.3	2133.3	2023.5
42.5°	3013.0	2920.0	2801.0	2691.2	2602.0	2466.2	2328.6	2150.0	2004.9	1882.2	1770.6
45°	2884.7	2773.1	2635.4	2503.4	2389.9	2228.1	2066.3	1887.8	1766.9	1623.7	1547.4
47.5°	2719.1	2598.2	2451.3	2304.4	2155.6	1977.0	1807.8	1636.7	1515.8	1413.5	1357.7
50°	2523.8	2412.3	2250.4	2075.6	1912.0	1726.0	1556.7	1428.4	1311.2	1248.0	1205.2
52.5°	2282.1	2177.9	2012.4	1822.7	1664.6	1482.3	1327.9	1223.8	1140.1	1093.6	1078.7
55°	2012.4	1921.2	1757.6	1580.9	1419.1	1251.7	1134.5	1043.4	989.5	961.6	963.4
57.5°	1724.1	1653.4	1499.1	1341.0	1188.5	1062.0	956.0	883.4	842.5	840.7	846.2
60°	1435.8	1383.7	1249.8	1114.1	980.2	877.9	799.7	749.5	723.5	725.4	723.5
62.5°	1160.6	1112.2	1015.5	903.9	797.9	729.1	658.4	637.9	615.6	613.8	613.8
65°	913.2	876.0	797.9	717.9	637.9	593.3	558.0	533.8	517.0	513.3	515.2
67.5°	686.3	671.4	617.5	563.5	513.3	485.4	455.7	450.1	437.1	437.1	440.8
70°	511.5	500.3	470.5	438.9	418.5	399.9	385.0	385.0	383.1	381.3	390.6
72.5°	370.1	372.0	362.7	338.5	336.6	332.9	329.2	334.8	336.6	342.2	353.4
75°	260.4	266.0	266.0	262.2	269.7	279.0	284.6	293.9	305.0	312.5	325.5
77.5°	184.1	184.1	193.4	204.6	219.5	236.2	251.1	264.1	279.0	288.3	299.4
80°	119.0	124.6	139.5	159.9	180.4	202.7	223.2	239.9	254.8	269.7	277.1
82.5°	70.7	80.0	98.6	124.6	150.6	178.5	199.0	219.5	236.2	251.1	256.7
85°	35.3	48.4	70.7	98.6	126.5	156.2	182.3	200.9	219.5	232.5	239.9
87.5°	11.2	26.0	50.2	76.3	106.0	135.8	163.7	184.1	200.9	212.0	219.5
90°	0.0	13.0	35.3	63.2	91.1	120.9	146.9	169.2	186.0	195.3	200.9
92.5°	0.0	7.4	27.9	52.1	78.1	107.9	133.9	154.4	169.2	178.5	182.3
95°	1.9	5.6	20.5	42.8	68.8	96.7	120.9	139.5	154.4	163.7	165.5
97.5°	1.9	3.7	16.7	35.3	59.5	85.6	109.7	128.3	139.5	148.8	150.6
100°	1.9	3.7	13.0	31.6	52.1	76.3	98.6	115.3	128.3	135.8	137.6
102.5°	1.9	1.9	11.2	26.0	46.5	67.0	87.4	104.2	115.3	122.8	126.5
105°	1.9	1.9	9.3	22.3	40.9	59.5	78.1	94.9	104.2	111.6	115.3
107.5°	1.9	1.9	7.4	18.6	35.3	52.1	70.7	83.7	94.9	102.3	106.0
110°	1.9	1.9	5.6	16.7	29.8	46.5	61.4	74.4	85.6	93.0	96.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1.9	1.9	5.6	14.9	26.0	40.9	53.9	67.0	76.3	83.7	89.3
115°	1.9	1.9	5.6	13.0	24.2	35.3	48.4	59.5	68.8	76.3	81.8
117.5°	1.9	1.9	5.6	11.2	20.5	31.6	42.8	53.9	61.4	68.8	74.4
120°	1.9	1.9	3.7	9.3	18.6	27.9	37.2	46.5	55.8	63.2	68.8
122.5°	1.9	1.9	3.7	9.3	14.9	24.2	33.5	40.9	50.2	55.8	61.4
125°	1.9	1.9	3.7	7.4	13.0	22.3	29.8	37.2	42.8	50.2	55.8
127.5°	1.9	1.9	3.7	7.4	11.2	18.6	26.0	33.5	39.1	44.6	48.4
130°	1.9	1.9	3.7	5.6	9.3	14.9	22.3	27.9	35.3	39.1	42.8
132.5°	1.9	1.9	1.9	5.6	7.4	11.2	16.7	24.2	29.8	35.3	37.2
135°	1.9	1.9	1.9	3.7	7.4	9.3	13.0	18.6	24.2	29.8	33.5
137.5°	1.9	1.9	1.9	3.7	5.6	9.3	11.2	14.9	20.5	24.2	29.8
140°	1.9	1.9	1.9	3.7	5.6	7.4	9.3	13.0	16.7	20.5	24.2
142.5°	1.9	1.9	1.9	3.7	3.7	5.6	7.4	11.2	13.0	16.7	20.5
145°	1.9	1.9	1.9	3.7	3.7	5.6	7.4	9.3	11.2	13.0	16.7
147.5°	1.9	1.9	1.9	3.7	3.7	3.7	5.6	7.4	9.3	11.2	13.0
150°	3.7	3.7	3.7	3.7	3.7	3.7	5.6	5.6	7.4	9.3	11.2
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	5.6	5.6	5.6	7.4	9.3
155°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.6	5.6	7.4	7.4
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°	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7
2.5°	3569.1	3572.8	3595.1	3593.3	3589.6	3585.8	3585.8	3582.1	3585.8	3595.1	3591.4
5°	3550.5	3556.1	3572.8	3571.0	3567.2	3565.4	3563.5	3557.9	3561.7	3574.7	3571.0
7.5°	3517.0	3522.6	3537.5	3530.0	3524.5	3528.2	3518.9	3513.3	3520.7	3533.8	3531.9
10°	3481.7	3485.4	3504.0	3500.3	3491.0	3492.8	3483.5	3479.8	3489.1	3496.6	3498.4
12.5°	3457.5	3470.5	3487.3	3485.4	3483.5	3485.4	3476.1	3472.4	3478.0	3485.4	3483.5
15°	3451.9	3468.7	3487.3	3487.3	3489.1	3491.0	3481.7	3476.1	3481.7	3487.3	3485.4
17.5°	3446.3	3466.8	3483.5	3481.7	3483.5	3487.3	3472.4	3468.7	3476.1	3483.5	3479.8
20°	3427.7	3446.3	3457.5	3453.8	3453.8	3455.6	3437.0	3437.0	3448.2	3453.8	3455.6
22.5°	3375.7	3398.0	3398.0	3388.7	3388.7	3381.3	3375.7	3364.5	3377.5	3386.8	3394.3
25°	3297.6	3306.9	3295.7	3275.2	3264.1	3254.8	3228.7	3251.1	3251.1	3279.0	3288.3
27.5°	3187.8	3167.4	3135.7	3093.0	3083.7	3053.9	3037.2	3042.8	3052.1	3091.1	3120.9
30°	3007.4	2946.0	2892.1	2873.5	2832.6	2802.8	2773.1	2788.0	2804.7	2827.0	2888.4
32.5°	2769.4	2709.8	2622.4	2590.8	2548.0	2510.8	2475.5	2497.8	2527.6	2542.4	2609.4
35°	2496.0	2425.3	2345.3	2291.4	2246.7	2226.3	2181.6	2213.2	2244.9	2256.0	2313.7
37.5°	2205.8	2133.3	2062.6	2016.1	1973.3	1960.3	1930.5	1952.9	1977.0	1993.8	2042.1
40°	1930.5	1863.6	1809.7	1778.0	1748.3	1737.1	1726.0	1735.3	1753.9	1766.9	1804.1
42.5°	1694.3	1640.4	1603.2	1584.6	1564.2	1549.3	1551.1	1554.9	1564.2	1592.1	1608.8
45°	1487.9	1456.3	1432.1	1428.4	1415.4	1413.5	1411.6	1419.1	1424.7	1441.4	1454.4
47.5°	1322.4	1309.4	1303.8	1311.2	1316.8	1309.4	1313.1	1322.4	1333.5	1333.5	1331.7
50°	1192.2	1195.9	1203.3	1220.1	1231.2	1235.0	1238.7	1249.8	1251.7	1255.4	1249.8
52.5°	1086.2	1089.9	1110.3	1136.4	1149.4	1155.0	1162.4	1173.6	1173.6	1177.3	1169.9
55°	978.3	983.9	1004.3	1030.4	1041.5	1049.0	1056.4	1063.8	1069.4	1076.9	1071.3
57.5°	859.3	876.0	889.0	896.5	903.9	909.5	915.1	916.9	928.1	929.9	939.2
60°	732.8	736.5	749.5	747.7	742.1	757.0	749.5	762.5	775.6	792.3	794.2
62.5°	611.9	613.8	623.1	619.3	626.8	624.9	630.5	630.5	639.8	647.2	656.5
65°	517.0	518.9	526.3	526.3	524.5	530.1	535.6	539.4	539.4	544.9	552.4
67.5°	446.4	451.9	459.4	463.1	466.8	466.8	472.4	474.3	478.0	479.8	483.6
70°	398.0	405.5	412.9	416.6	418.5	422.2	424.1	424.1	427.8	429.6	433.4
72.5°	362.7	370.1	375.7	375.7	379.4	381.3	381.3	383.1	385.0	388.7	392.4
75°	332.9	338.5	342.2	340.4	340.4	340.4	342.2	342.2	345.9	349.7	353.4
77.5°	305.0	310.6	310.6	306.9	306.9	306.9	306.9	308.7	310.6	314.3	318.0
80°	284.6	284.6	282.7	282.7	279.0	277.1	277.1	279.0	279.0	282.7	288.3
82.5°	262.2	262.2	260.4	258.5	256.7	254.8	254.8	256.7	258.5	260.4	264.1
85°	241.8	241.8	238.1	238.1	236.2	236.2	236.2	236.2	238.1	239.9	243.6
87.5°	221.3	219.5	217.6	215.7	215.7	215.7	215.7	215.7	217.6	221.3	223.2
90°	200.9	199.0	197.1	197.1	195.3	195.3	197.1	197.1	199.0	200.9	202.7
92.5°	182.3	180.4	178.5	178.5	176.7	176.7	178.5	176.7	180.4	180.4	182.3
95°	165.5	163.7	161.8	161.8	161.8	161.8	161.8	161.8	163.7	163.7	165.5
97.5°	150.6	148.8	146.9	146.9	148.8	146.9	148.8	148.8	148.8	150.6	152.5
100°	137.6	135.8	135.8	137.6	135.8	135.8	137.6	137.6	137.6	137.6	139.5
102.5°	126.5	126.5	126.5	126.5	126.5	126.5	128.3	128.3	128.3	128.3	130.2
105°	115.3	117.2	117.2	117.2	119.0	119.0	119.0	120.9	120.9	120.9	120.9
107.5°	107.9	109.7	109.7	111.6	111.6	113.5	113.5	113.5	113.5	115.3	115.3
110°	100.4	102.3	104.2	106.0	106.0	107.9	107.9	107.9	107.9	107.9	107.9



TEST NUMBER: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	93.0	94.9	96.7	100.4	102.3	102.3	102.3	102.3	104.2	104.2	102.3
115°	85.6	89.3	91.1	94.9	96.7	96.7	98.6	98.6	98.6	98.6	96.7
117.5°	78.1	83.7	85.6	89.3	91.1	91.1	93.0	93.0	93.0	93.0	91.1
120°	72.5	76.3	80.0	81.8	83.7	85.6	85.6	87.4	87.4	87.4	85.6
122.5°	67.0	70.7	74.4	76.3	78.1	80.0	80.0	80.0	80.0	80.0	80.0
125°	59.5	63.2	67.0	68.8	70.7	72.5	72.5	74.4	74.4	74.4	72.5
127.5°	53.9	57.7	59.5	63.2	65.1	65.1	67.0	67.0	67.0	67.0	65.1
130°	46.5	50.2	53.9	55.8	57.7	57.7	59.5	59.5	59.5	59.5	59.5
132.5°	40.9	44.6	46.5	50.2	50.2	52.1	52.1	53.9	53.9	53.9	52.1
135°	37.2	39.1	40.9	44.6	44.6	46.5	46.5	46.5	46.5	46.5	46.5
137.5°	33.5	35.3	37.2	39.1	39.1	40.9	40.9	40.9	40.9	42.8	40.9
140°	27.9	31.6	33.5	33.5	35.3	35.3	35.3	37.2	37.2	37.2	35.3
142.5°	24.2	26.0	27.9	29.8	31.6	31.6	31.6	31.6	33.5	31.6	31.6
145°	18.6	22.3	24.2	26.0	27.9	27.9	27.9	27.9	27.9	27.9	27.9
147.5°	14.9	16.7	20.5	22.3	22.3	24.2	24.2	24.2	24.2	24.2	24.2
150°	13.0	13.0	16.7	18.6	20.5	20.5	20.5	20.5	20.5	20.5	20.5
152.5°	9.3	11.2	13.0	14.9	16.7	16.7	16.7	16.7	16.7	16.7	16.7
155°	9.3	9.3	11.2	11.2	13.0	13.0	13.0	13.0	14.9	13.0	13.0
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: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7
2.5°	3585.8	3584.0	3591.4	3584.0	3546.8	3561.7	3556.1	3576.5	3578.4	3584.0	3602.6
5°	3567.2	3567.2	3576.5	3569.1	3533.8	3548.6	3546.8	3567.2	3571.0	3574.7	3595.1
7.5°	3530.0	3531.9	3544.9	3539.3	3502.1	3524.5	3522.6	3546.8	3554.2	3561.7	3580.3
10°	3494.7	3492.8	3507.7	3502.1	3466.8	3492.8	3491.0	3515.2	3526.3	3539.3	3561.7
12.5°	3476.1	3470.5	3476.1	3470.5	3431.5	3451.9	3453.8	3481.7	3494.7	3511.4	3537.5
15°	3476.1	3466.8	3466.8	3455.6	3411.0	3424.0	3425.9	3444.5	3461.2	3478.0	3509.6
17.5°	3472.4	3463.1	3461.2	3451.9	3403.6	3403.6	3401.7	3414.7	3424.0	3440.8	3474.2
20°	3451.9	3448.2	3446.3	3440.8	3396.1	3388.7	3385.0	3385.0	3390.6	3396.1	3429.6
22.5°	3398.0	3401.7	3405.4	3409.1	3373.8	3360.8	3362.7	3358.9	3353.4	3353.4	3381.3
25°	3297.6	3316.2	3331.0	3347.8	3327.3	3318.0	3329.2	3323.6	3314.3	3306.9	3331.0
27.5°	3137.6	3176.7	3208.3	3249.2	3251.1	3243.6	3273.4	3269.7	3267.8	3256.6	3275.2
30°	2916.3	2977.7	3020.4	3080.0	3130.2	3137.6	3187.8	3195.3	3202.7	3197.1	3215.7
32.5°	2648.5	2732.2	2804.7	2897.7	2946.0	2988.8	3059.5	3089.3	3119.0	3128.3	3148.8
35°	2356.5	2451.3	2536.9	2639.2	2715.4	2808.4	2894.0	2938.6	3005.6	3031.6	3061.4
37.5°	2079.3	2168.6	2252.3	2354.6	2477.4	2574.1	2680.1	2780.5	2871.6	2908.8	2953.5
40°	1833.8	1906.4	1986.3	2075.6	2187.2	2313.7	2429.0	2568.5	2676.4	2750.8	2815.8
42.5°	1647.8	1683.2	1752.0	1832.0	1921.2	2049.6	2166.8	2323.0	2453.2	2559.2	2667.1
45°	1482.3	1499.1	1549.3	1592.1	1683.2	1796.6	1921.2	2073.8	2209.5	2345.3	2475.5
47.5°	1341.0	1361.4	1385.6	1411.6	1476.7	1571.6	1679.5	1817.1	1952.9	2111.0	2259.7
50°	1246.1	1251.7	1255.4	1266.6	1305.6	1370.7	1458.1	1575.3	1705.5	1874.8	2032.8
52.5°	1162.4	1162.4	1151.3	1145.7	1160.6	1201.5	1251.7	1335.4	1469.3	1625.5	1792.9
55°	1073.1	1056.4	1052.7	1034.1	1037.8	1056.4	1080.6	1145.7	1255.4	1389.3	1551.1
57.5°	948.5	941.1	941.1	933.7	918.8	928.1	933.7	980.2	1058.3	1173.6	1314.9
60°	805.3	801.6	810.9	812.8	799.7	805.3	803.5	831.4	887.2	980.2	1097.3
62.5°	662.1	678.9	680.7	688.2	680.7	678.9	688.2	712.3	740.2	810.9	902.0
65°	556.1	565.4	567.3	576.6	572.8	572.8	580.3	598.9	615.6	664.0	734.7
67.5°	487.3	483.6	485.4	491.0	485.4	483.6	489.1	500.3	513.3	543.1	593.3
70°	433.4	429.6	429.6	429.6	422.2	416.6	418.5	422.2	427.8	444.5	476.1
72.5°	392.4	392.4	386.9	381.3	375.7	372.0	368.3	364.5	362.7	368.3	385.0
75°	355.2	357.1	355.2	349.7	342.2	334.8	327.3	319.9	310.6	306.9	308.7
77.5°	321.8	323.6	325.5	323.6	316.2	306.9	295.7	284.6	271.5	258.5	251.1
80°	292.0	295.7	297.6	295.7	290.1	282.7	269.7	256.7	238.1	221.3	202.7
82.5°	266.0	271.5	273.4	273.4	269.7	262.2	247.4	232.5	212.0	189.7	165.5
85°	245.5	249.2	252.9	252.9	251.1	243.6	228.8	212.0	191.6	165.5	139.5
87.5°	225.0	226.9	230.6	234.3	230.6	223.2	210.2	191.6	171.1	145.1	115.3
90°	204.6	206.4	210.2	213.9	212.0	204.6	193.4	176.7	154.4	126.5	96.7
92.5°	184.1	187.8	189.7	191.6	193.4	187.8	178.5	161.8	139.5	111.6	83.7
95°	169.2	169.2	173.0	174.8	176.7	171.1	163.7	146.9	126.5	100.4	72.5
97.5°	154.4	154.4	158.1	158.1	159.9	156.2	148.8	133.9	113.5	89.3	61.4
100°	139.5	141.4	143.2	145.1	145.1	143.2	135.8	120.9	102.3	80.0	53.9
102.5°	130.2	130.2	132.1	132.1	133.9	130.2	122.8	109.7	91.1	70.7	46.5
105°	120.9	120.9	122.8	122.8	120.9	117.2	109.7	98.6	81.8	61.4	40.9
107.5°	113.5	113.5	113.5	113.5	111.6	107.9	100.4	87.4	72.5	55.8	37.2
110°	107.9	106.0	106.0	104.2	102.3	96.7	89.3	78.1	65.1	48.4	31.6



TEST NUMBER: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	102.3	100.4	98.6	96.7	93.0	87.4	80.0	70.7	57.7	42.8	27.9
115°	96.7	94.9	93.0	89.3	85.6	80.0	72.5	63.2	50.2	37.2	24.2
117.5°	91.1	89.3	85.6	81.8	78.1	72.5	65.1	55.8	44.6	33.5	22.3
120°	83.7	81.8	80.0	76.3	72.5	65.1	57.7	50.2	39.1	29.8	18.6
122.5°	78.1	76.3	72.5	70.7	65.1	59.5	52.1	44.6	35.3	26.0	16.7
125°	70.7	68.8	67.0	63.2	59.5	52.1	46.5	39.1	31.6	22.3	13.0
127.5°	65.1	63.2	59.5	55.8	52.1	46.5	40.9	35.3	27.9	18.6	13.0
130°	57.7	55.8	53.9	50.2	46.5	40.9	37.2	29.8	24.2	16.7	11.2
132.5°	50.2	50.2	48.4	44.6	40.9	37.2	31.6	26.0	20.5	14.9	9.3
135°	46.5	44.6	42.8	39.1	37.2	31.6	27.9	22.3	16.7	13.0	7.4
137.5°	40.9	39.1	37.2	35.3	31.6	27.9	24.2	18.6	14.9	11.2	7.4
140°	35.3	33.5	33.5	29.8	27.9	24.2	20.5	16.7	13.0	9.3	5.6
142.5°	31.6	29.8	27.9	26.0	24.2	20.5	16.7	13.0	11.2	7.4	5.6
145°	27.9	26.0	24.2	22.3	20.5	16.7	14.9	11.2	9.3	7.4	5.6
147.5°	22.3	22.3	20.5	18.6	16.7	14.9	13.0	11.2	7.4	5.6	3.7
150°	18.6	18.6	16.7	14.9	14.9	13.0	11.2	9.3	7.4	5.6	3.7
152.5°	16.7	14.9	14.9	13.0	13.0	11.2	9.3	7.4	5.6	5.6	3.7
155°	13.0	13.0	13.0	11.2	11.2	9.3	7.4	7.4	5.6	3.7	3.7
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



TEST NUMBER: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7
2.5°	3606.3	3584.0	3602.6	3636.1	3632.3	3628.6	3624.9	3632.3	3656.5	3643.5	3623.0
5°	3600.7	3578.4	3598.9	3630.5	3628.6	3623.0	3619.3	3626.8	3650.9	3637.9	3615.6
7.5°	3589.6	3569.1	3584.0	3615.6	3615.6	3611.9	3608.2	3615.6	3637.9	3626.8	3604.4
10°	3571.0	3556.1	3571.0	3600.7	3602.6	3595.1	3591.4	3600.7	3623.0	3617.5	3598.9
12.5°	3556.1	3541.2	3557.9	3587.7	3589.6	3582.1	3576.5	3587.7	3617.5	3621.2	3615.6
15°	3535.6	3522.6	3543.1	3574.7	3574.7	3569.1	3569.1	3584.0	3624.9	3641.6	3650.9
17.5°	3505.9	3496.6	3520.7	3552.4	3554.2	3550.5	3552.4	3582.1	3636.1	3677.0	3703.0
20°	3468.7	3464.9	3491.0	3524.5	3530.0	3531.9	3541.2	3585.8	3660.2	3716.0	3742.1
22.5°	3424.0	3425.9	3455.6	3491.0	3498.4	3504.0	3522.6	3585.8	3678.8	3738.3	3749.5
25°	3373.8	3379.4	3411.0	3453.8	3463.1	3474.2	3505.9	3587.7	3684.4	3723.5	3704.9
27.5°	3319.9	3331.0	3372.0	3416.6	3427.7	3446.3	3487.3	3576.5	3658.4	3660.2	3591.4
30°	3264.1	3277.1	3325.5	3377.5	3396.1	3414.7	3464.9	3550.5	3595.1	3535.6	3414.7
32.5°	3200.8	3219.4	3267.8	3331.0	3353.4	3377.5	3427.7	3500.3	3483.5	3355.2	3182.2
35°	3120.9	3146.9	3202.7	3277.1	3297.6	3329.2	3364.5	3381.3	3306.9	3124.6	2929.3
37.5°	3022.3	3061.4	3126.4	3212.0	3234.3	3254.8	3264.1	3217.6	3068.8	2871.6	2668.9
40°	2908.8	2968.4	3039.0	3133.9	3156.2	3156.2	3122.7	3024.2	2836.3	2577.8	2352.7
42.5°	2771.2	2843.7	2933.0	3027.9	3050.2	3024.2	2944.2	2771.2	2557.3	2269.0	2031.0
45°	2603.8	2700.5	2801.0	2899.5	2910.7	2853.0	2709.8	2490.4	2226.3	1958.4	1731.5
47.5°	2404.8	2531.3	2641.0	2752.6	2737.7	2641.0	2449.5	2200.2	1921.2	1668.3	1486.0
50°	2181.6	2330.4	2453.2	2559.2	2527.6	2393.7	2168.6	1908.2	1631.1	1415.4	1264.7
52.5°	1943.6	2114.7	2237.4	2323.0	2280.2	2120.3	1872.9	1623.7	1396.8	1199.6	1099.2
55°	1696.2	1869.2	1995.6	2062.6	2006.8	1833.8	1590.2	1363.3	1149.4	1021.1	961.6
57.5°	1456.3	1618.1	1737.1	1791.1	1720.4	1547.4	1322.4	1130.8	976.4	868.6	838.8
60°	1225.7	1357.7	1471.2	1512.1	1435.8	1275.9	1082.4	929.9	816.5	742.1	727.2
62.5°	1011.8	1119.6	1208.9	1240.5	1166.1	1041.5	874.1	760.7	680.7	643.5	624.9
65°	835.1	898.3	989.5	983.9	939.2	823.9	701.2	621.2	569.1	544.9	533.8
67.5°	656.5	714.2	771.8	779.3	723.5	643.5	563.5	505.9	478.0	465.0	459.4
70°	507.7	550.5	585.9	576.6	546.8	496.6	446.4	414.8	403.6	398.0	398.0
72.5°	394.3	416.6	433.4	422.2	403.6	377.6	353.4	340.4	342.2	345.9	349.7
75°	305.0	310.6	314.3	303.2	299.4	282.7	280.8	282.7	293.9	305.0	310.6
77.5°	234.3	226.9	221.3	210.2	212.0	210.2	219.5	234.3	251.1	267.8	282.7
80°	180.4	163.7	150.6	139.5	145.1	154.4	173.0	195.3	217.6	236.2	254.8
82.5°	139.5	115.3	96.7	85.6	96.7	111.6	135.8	163.7	189.7	210.2	230.6
85°	107.9	80.0	57.7	46.5	57.7	80.0	106.0	137.6	165.5	187.8	208.3
87.5°	83.7	57.7	31.6	18.6	31.6	55.8	85.6	115.3	143.2	169.2	189.7
90°	67.0	39.1	14.9	3.7	16.7	39.1	67.0	96.7	124.6	152.5	173.0
92.5°	53.9	27.9	7.4	0.0	9.3	29.8	55.8	83.7	111.6	137.6	158.1
95°	44.6	22.3	5.6	0.0	7.4	22.3	44.6	72.5	98.6	124.6	141.4
97.5°	37.2	16.7	3.7	0.0	3.7	18.6	37.2	61.4	87.4	111.6	128.3
100°	31.6	14.9	3.7	0.0	3.7	14.9	31.6	53.9	76.3	98.6	115.3
102.5°	26.0	11.2	1.9	1.9	1.9	11.2	27.9	46.5	67.0	87.4	104.2
105°	24.2	9.3	1.9	1.9	1.9	9.3	24.2	40.9	59.5	78.1	93.0
107.5°	20.5	7.4	1.9	1.9	1.9	7.4	20.5	35.3	53.9	70.7	83.7
110°	16.7	7.4	1.9	1.9	1.9	7.4	16.7	31.6	46.5	61.4	74.4



TEST NUMBER: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	14.9	5.6	1.9	1.9	1.9	5.6	14.9	27.9	40.9	55.8	67.0
115°	13.0	5.6	1.9	1.9	1.9	5.6	13.0	24.2	35.3	48.4	59.5
117.5°	11.2	5.6	1.9	1.9	1.9	3.7	11.2	20.5	31.6	42.8	53.9
120°	9.3	3.7	1.9	1.9	1.9	3.7	9.3	18.6	27.9	37.2	46.5
122.5°	9.3	3.7	1.9	1.9	1.9	3.7	7.4	14.9	24.2	31.6	40.9
125°	7.4	3.7	1.9	1.9	1.9	1.9	7.4	13.0	20.5	27.9	35.3
127.5°	7.4	3.7	1.9	1.9	1.9	1.9	5.6	11.2	16.7	24.2	31.6
130°	5.6	3.7	1.9	1.9	1.9	1.9	3.7	9.3	14.9	20.5	26.0
132.5°	5.6	3.7	1.9	1.9	1.9	1.9	3.7	7.4	11.2	16.7	22.3
135°	5.6	1.9	1.9	1.9	1.9	1.9	1.9	5.6	9.3	13.0	16.7
137.5°	3.7	1.9	1.9	1.9	1.9	1.9	1.9	3.7	7.4	9.3	14.9
140°	3.7	1.9	1.9	1.9	1.9	1.9	1.9	3.7	5.6	7.4	11.2
142.5°	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	5.6	9.3
145°	3.7	1.9	1.9	3.7	3.7	1.9	1.9	3.7	3.7	5.6	7.4
147.5°	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7	5.6
150°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.6
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
155°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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



TEST NUMBER: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7
2.5°	3619.3	3576.5	3598.9	3591.4	3598.9	3617.5	3615.6	3610.0	3613.7	3604.4	3595.1
5°	3611.9	3569.1	3591.4	3582.1	3591.4	3610.0	3606.3	3600.7	3606.3	3595.1	3585.8
7.5°	3602.6	3563.5	3589.6	3587.7	3604.4	3628.6	3630.5	3630.5	3643.5	3626.8	3619.3
10°	3602.6	3582.1	3617.5	3630.5	3673.3	3704.9	3708.6	3716.0	3738.3	3734.6	3716.0
12.5°	3641.6	3637.9	3690.0	3721.6	3760.7	3805.3	3829.5	3836.9	3851.8	3840.6	3833.2
15°	3691.8	3710.4	3768.1	3803.4	3846.2	3879.7	3885.3	3889.0	3900.2	3883.4	3870.4
17.5°	3758.8	3770.0	3816.5	3831.3	3859.2	3864.8	3857.4	3838.8	3838.8	3801.6	3790.4
20°	3790.4	3784.8	3803.4	3779.3	3768.1	3734.6	3703.0	3667.7	3665.8	3626.8	3623.0
22.5°	3762.5	3725.3	3686.3	3626.8	3600.7	3552.4	3509.6	3489.1	3476.1	3425.9	3412.9
25°	3664.0	3572.8	3515.2	3444.5	3381.3	3325.5	3284.5	3241.8	3200.8	3159.9	3141.3
27.5°	3492.8	3407.3	3314.3	3215.7	3128.3	3042.8	2973.9	2931.2	2892.1	2838.2	2810.3
30°	3282.7	3163.6	3061.4	2966.5	2823.3	2719.1	2661.5	2575.9	2546.2	2522.0	2469.9
32.5°	3035.3	2892.1	2752.6	2624.3	2477.4	2380.6	2304.4	2241.1	2222.5	2159.3	2144.4
35°	2761.9	2574.1	2416.0	2289.5	2183.5	2066.3	2003.1	1960.3	1923.1	1880.3	1872.9
37.5°	2440.2	2270.9	2092.4	1980.8	1897.1	1796.6	1748.3	1718.5	1701.8	1670.2	1664.6
40°	2116.5	1947.3	1824.5	1712.9	1660.9	1606.9	1571.6	1558.6	1551.1	1540.0	1528.8
42.5°	1822.7	1673.9	1586.5	1512.1	1489.8	1463.7	1454.4	1461.9	1454.4	1450.7	1448.8
45°	1573.5	1460.0	1398.6	1376.3	1370.7	1363.3	1370.7	1383.7	1385.6	1381.9	1381.9
47.5°	1346.5	1292.6	1266.6	1270.3	1279.6	1285.2	1298.2	1314.9	1318.7	1309.4	1313.1
50°	1197.8	1166.1	1160.6	1175.4	1195.9	1203.3	1218.2	1231.2	1229.4	1225.7	1221.9
52.5°	1058.3	1049.0	1063.8	1078.7	1101.0	1104.8	1110.3	1115.9	1114.1	1106.6	1102.9
55°	941.1	948.5	961.6	967.1	983.9	982.0	983.9	983.9	976.4	972.7	967.1
57.5°	835.1	836.9	844.4	846.2	855.5	851.8	850.0	846.2	835.1	833.2	827.6
60°	727.2	723.5	740.2	727.2	734.7	727.2	725.4	716.1	704.9	703.0	699.3
62.5°	624.9	617.5	628.6	623.1	626.8	619.3	615.6	604.5	595.2	593.3	591.4
65°	533.8	530.1	541.2	539.4	543.1	533.8	530.1	522.6	515.2	513.3	511.5
67.5°	457.5	466.8	472.4	472.4	476.1	474.3	465.0	463.1	461.2	453.8	453.8
70°	401.7	407.3	418.5	420.3	418.5	422.2	414.8	412.9	411.0	407.3	405.5
72.5°	357.1	364.5	375.7	377.6	375.7	375.7	372.0	370.1	370.1	364.5	364.5
75°	321.8	331.1	340.4	340.4	340.4	336.6	332.9	332.9	329.2	327.3	323.6
77.5°	292.0	303.2	310.6	308.7	306.9	303.2	303.2	297.6	292.0	292.0	288.3
80°	269.7	277.1	282.7	280.8	279.0	273.4	271.5	266.0	262.2	256.7	256.7
82.5°	245.5	254.8	258.5	256.7	252.9	247.4	245.5	241.8	238.1	236.2	232.5
85°	225.0	234.3	236.2	232.5	228.8	225.0	223.2	221.3	219.5	215.7	215.7
87.5°	204.6	213.9	213.9	212.0	208.3	206.4	204.6	202.7	200.9	199.0	197.1
90°	187.8	195.3	195.3	193.4	191.6	189.7	187.8	186.0	184.1	182.3	182.3
92.5°	171.1	178.5	178.5	176.7	174.8	173.0	173.0	171.1	169.2	167.4	165.5
95°	156.2	163.7	163.7	163.7	161.8	159.9	159.9	158.1	156.2	156.2	154.4
97.5°	141.4	148.8	148.8	148.8	146.9	145.1	145.1	143.2	143.2	143.2	141.4
100°	128.3	133.9	135.8	135.8	133.9	133.9	133.9	132.1	132.1	132.1	130.2
102.5°	115.3	120.9	124.6	124.6	124.6	122.8	122.8	122.8	122.8	122.8	120.9
105°	104.2	109.7	113.5	115.3	115.3	115.3	115.3	115.3	115.3	115.3	115.3
107.5°	94.9	100.4	104.2	106.0	107.9	107.9	109.7	109.7	109.7	109.7	109.7
110°	85.6	91.1	96.7	98.6	100.4	102.3	102.3	104.2	102.3	102.3	102.3



TEST NUMBER: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	76.3	83.7	87.4	91.1	93.0	94.9	96.7	96.7	96.7	96.7	96.7
115°	68.8	76.3	80.0	83.7	87.4	89.3	89.3	91.1	91.1	91.1	89.3
117.5°	61.4	68.8	72.5	76.3	78.1	81.8	83.7	83.7	83.7	83.7	81.8
120°	55.8	61.4	65.1	68.8	72.5	74.4	76.3	76.3	76.3	76.3	76.3
122.5°	48.4	53.9	59.5	63.2	65.1	67.0	68.8	68.8	68.8	68.8	68.8
125°	42.8	48.4	52.1	55.8	57.7	61.4	61.4	61.4	61.4	61.4	61.4
127.5°	37.2	42.8	46.5	50.2	52.1	53.9	55.8	55.8	55.8	55.8	55.8
130°	31.6	37.2	40.9	44.6	46.5	48.4	48.4	50.2	50.2	50.2	50.2
132.5°	27.9	31.6	35.3	39.1	40.9	42.8	42.8	44.6	44.6	44.6	44.6
135°	22.3	27.9	29.8	33.5	35.3	37.2	37.2	39.1	39.1	39.1	39.1
137.5°	18.6	22.3	26.0	29.8	31.6	31.6	33.5	33.5	35.3	35.3	35.3
140°	14.9	16.7	22.3	24.2	26.0	27.9	29.8	29.8	29.8	29.8	29.8
142.5°	11.2	14.9	16.7	20.5	22.3	24.2	26.0	26.0	26.0	26.0	26.0
145°	9.3	11.2	13.0	16.7	18.6	20.5	22.3	22.3	22.3	22.3	22.3
147.5°	7.4	9.3	11.2	13.0	14.9	16.7	18.6	18.6	18.6	18.6	18.6
150°	5.6	7.4	9.3	9.3	11.2	13.0	14.9	16.7	16.7	16.7	16.7
152.5°	5.6	5.6	7.4	7.4	9.3	11.2	13.0	13.0	13.0	13.0	13.0
155°	3.7	5.6	5.6	5.6	7.4	7.4	9.3	11.2	11.2	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: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7
2.5°	3600.7	3608.2	3604.4	3598.9	3597.0	3606.3	3597.0	3554.2	3571.0	3572.8	3585.8
5°	3595.1	3600.7	3597.0	3593.3	3587.7	3598.9	3587.7	3543.1	3559.8	3561.7	3574.7
7.5°	3632.3	3634.2	3634.2	3624.9	3610.0	3615.6	3600.7	3550.5	3559.8	3559.8	3569.1
10°	3725.3	3729.0	3734.6	3710.4	3691.8	3677.0	3656.5	3595.1	3593.3	3578.4	3578.4
12.5°	3846.2	3836.9	3827.6	3816.5	3801.6	3783.0	3753.2	3680.7	3656.5	3632.3	3608.2
15°	3881.6	3877.8	3876.0	3870.4	3861.1	3855.5	3833.2	3760.7	3725.3	3695.6	3652.8
17.5°	3788.6	3796.0	3820.2	3822.0	3833.2	3855.5	3851.8	3801.6	3770.0	3756.9	3704.9
20°	3621.2	3623.0	3652.8	3665.8	3714.2	3751.4	3779.3	3773.7	3766.2	3781.1	3742.1
22.5°	3420.3	3433.3	3464.9	3485.4	3531.9	3574.7	3619.3	3643.5	3682.6	3743.9	3736.5
25°	3146.9	3163.6	3208.3	3241.8	3306.9	3372.0	3431.5	3474.2	3520.7	3637.9	3677.0
27.5°	2819.6	2845.6	2903.3	2936.7	3027.9	3094.8	3180.4	3264.1	3329.2	3463.1	3543.1
30°	2475.5	2497.8	2559.2	2605.7	2683.8	2774.9	2882.8	3001.8	3109.7	3245.5	3345.9
32.5°	2153.7	2177.9	2228.1	2269.0	2356.5	2432.7	2551.7	2698.7	2799.1	2987.0	3120.9
35°	1872.9	1895.2	1930.5	1965.9	2038.4	2116.5	2218.8	2362.0	2490.4	2685.7	2854.9
37.5°	1675.7	1679.5	1699.9	1720.4	1774.3	1833.8	1913.8	2040.3	2159.3	2369.5	2555.5
40°	1534.4	1534.4	1545.6	1551.1	1575.3	1610.7	1660.9	1759.4	1858.0	2018.0	2244.9
42.5°	1447.0	1443.3	1443.3	1445.1	1443.3	1460.0	1489.8	1536.3	1623.7	1755.7	1932.4
45°	1381.9	1374.4	1368.9	1355.8	1348.4	1348.4	1350.3	1367.0	1417.2	1502.8	1646.0
47.5°	1309.4	1307.5	1298.2	1283.3	1270.3	1261.0	1246.1	1240.5	1255.4	1303.8	1400.5
50°	1225.7	1216.4	1207.1	1195.9	1181.0	1171.7	1143.8	1145.7	1132.7	1155.0	1205.2
52.5°	1102.9	1095.5	1091.7	1082.4	1076.9	1073.1	1050.8	1028.5	1022.9	1026.7	1045.2
55°	967.1	970.9	956.0	963.4	961.6	944.8	935.5	918.8	913.2	911.3	920.6
57.5°	825.8	829.5	820.2	827.6	827.6	818.3	812.8	812.8	799.7	788.6	801.6
60°	697.5	690.0	695.6	704.9	704.9	699.3	695.6	695.6	686.3	682.6	691.9
62.5°	593.3	585.9	591.4	600.7	602.6	598.9	595.2	595.2	584.0	584.0	591.4
65°	513.3	515.2	513.3	520.8	520.8	522.6	518.9	515.2	502.2	507.7	505.9
67.5°	455.7	453.8	453.8	461.2	459.4	463.1	459.4	453.8	444.5	437.1	435.2
70°	407.3	405.5	405.5	409.2	411.0	411.0	409.2	405.5	392.4	385.0	379.4
72.5°	364.5	362.7	364.5	366.4	368.3	370.1	368.3	364.5	353.4	344.1	334.8
75°	325.5	323.6	329.2	329.2	331.1	331.1	332.9	331.1	321.8	310.6	299.4
77.5°	286.4	288.3	293.9	295.7	299.4	301.3	303.2	303.2	293.9	284.6	269.7
80°	254.8	258.5	262.2	264.1	267.8	273.4	275.3	277.1	269.7	260.4	243.6
82.5°	232.5	234.3	238.1	239.9	245.5	247.4	249.2	252.9	249.2	239.9	221.3
85°	213.9	215.7	219.5	219.5	223.2	226.9	228.8	230.6	228.8	219.5	200.9
87.5°	197.1	199.0	200.9	202.7	204.6	206.4	208.3	210.2	208.3	199.0	182.3
90°	182.3	182.3	184.1	184.1	186.0	187.8	191.6	191.6	189.7	182.3	165.5
92.5°	165.5	167.4	167.4	169.2	171.1	173.0	174.8	174.8	173.0	165.5	150.6
95°	154.4	154.4	156.2	156.2	158.1	158.1	159.9	159.9	158.1	150.6	135.8
97.5°	141.4	141.4	141.4	141.4	143.2	143.2	145.1	145.1	143.2	135.8	122.8
100°	130.2	130.2	130.2	130.2	130.2	132.1	132.1	132.1	130.2	122.8	109.7
102.5°	120.9	120.9	120.9	120.9	120.9	120.9	120.9	120.9	117.2	111.6	98.6
105°	115.3	115.3	115.3	113.5	113.5	113.5	111.6	111.6	106.0	100.4	89.3
107.5°	107.9	107.9	107.9	106.0	106.0	104.2	102.3	102.3	96.7	91.1	80.0
110°	102.3	102.3	102.3	100.4	98.6	96.7	94.9	93.0	87.4	80.0	70.7



TEST NUMBER: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	96.7	96.7	94.9	94.9	93.0	91.1	87.4	85.6	80.0	72.5	63.2
115°	89.3	89.3	89.3	87.4	85.6	83.7	81.8	78.1	72.5	65.1	55.8
117.5°	81.8	81.8	81.8	80.0	78.1	76.3	74.4	70.7	65.1	57.7	50.2
120°	74.4	74.4	74.4	72.5	70.7	68.8	67.0	63.2	57.7	52.1	42.8
122.5°	68.8	68.8	67.0	65.1	63.2	61.4	59.5	55.8	52.1	44.6	37.2
125°	61.4	61.4	59.5	59.5	57.7	55.8	53.9	50.2	44.6	39.1	33.5
127.5°	55.8	53.9	53.9	53.9	52.1	50.2	46.5	44.6	39.1	33.5	27.9
130°	48.4	48.4	48.4	46.5	46.5	44.6	40.9	37.2	33.5	29.8	24.2
132.5°	42.8	42.8	42.8	42.8	40.9	39.1	35.3	33.5	29.8	24.2	20.5
135°	39.1	39.1	37.2	37.2	35.3	33.5	31.6	27.9	24.2	20.5	16.7
137.5°	33.5	33.5	33.5	31.6	31.6	29.8	26.0	24.2	22.3	18.6	14.9
140°	29.8	29.8	27.9	27.9	26.0	26.0	24.2	20.5	18.6	14.9	13.0
142.5°	26.0	26.0	24.2	24.2	22.3	22.3	20.5	18.6	14.9	13.0	9.3
145°	22.3	22.3	20.5	20.5	20.5	18.6	16.7	14.9	13.0	11.2	9.3
147.5°	18.6	18.6	18.6	16.7	16.7	14.9	14.9	13.0	11.2	9.3	7.4
150°	16.7	16.7	14.9	14.9	14.9	13.0	11.2	11.2	9.3	7.4	5.6
152.5°	13.0	13.0	13.0	13.0	11.2	11.2	9.3	9.3	7.4	5.6	5.6
155°	11.2	11.2	11.2	9.3	9.3	9.3	7.4	7.4	5.6	5.6	3.7
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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CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7	3600.7
2.5°	3580.3	3578.4	3595.1	3593.3	3571.0	3604.4	3626.8
5°	3571.0	3569.1	3584.0	3587.7	3563.5	3598.9	3623.0
7.5°	3563.5	3561.7	3578.4	3584.0	3559.8	3591.4	3617.5
10°	3565.4	3556.1	3571.0	3574.7	3552.4	3585.8	3608.2
12.5°	3578.4	3556.1	3561.7	3561.7	3541.2	3571.0	3595.1
15°	3610.0	3563.5	3556.1	3550.5	3524.5	3552.4	3576.5
17.5°	3645.4	3582.1	3556.1	3537.5	3505.9	3530.0	3556.1
20°	3680.7	3602.6	3559.8	3530.0	3487.3	3509.6	3528.2
22.5°	3697.4	3621.2	3563.5	3518.9	3464.9	3476.1	3496.6
25°	3675.1	3613.7	3556.1	3502.1	3437.0	3438.9	3455.6
27.5°	3593.3	3576.5	3539.3	3485.4	3414.7	3405.4	3418.4
30°	3453.8	3500.3	3502.1	3463.1	3388.7	3370.1	3375.7
32.5°	3258.5	3362.7	3424.0	3416.6	3351.5	3325.5	3329.2
35°	3033.5	3163.6	3297.6	3342.2	3295.7	3275.2	3267.8
37.5°	2763.8	2938.6	3117.1	3226.9	3219.4	3206.4	3199.0
40°	2466.2	2676.4	2888.4	3063.2	3117.1	3117.1	3120.9
42.5°	2148.2	2393.7	2626.1	2847.5	2973.9	3001.8	3013.0
45°	1841.3	2088.6	2341.6	2596.4	2765.6	2853.0	2884.7
47.5°	1562.3	1811.5	2051.4	2330.4	2555.5	2668.9	2719.1
50°	1324.2	1510.2	1763.2	2040.3	2285.8	2425.3	2523.8
52.5°	1127.1	1272.2	1493.5	1752.0	1999.4	2190.9	2282.1
55°	961.6	1060.1	1248.0	1471.2	1707.4	1906.4	2012.4
57.5°	822.1	900.2	1028.5	1214.5	1413.5	1610.7	1724.1
60°	699.3	753.2	840.7	987.6	1156.8	1326.1	1435.8
62.5°	593.3	628.6	686.3	794.2	926.2	1058.3	1160.6
65°	511.5	526.3	558.0	624.9	725.4	825.8	913.2
67.5°	431.5	440.8	465.0	505.9	556.1	628.6	686.3
70°	372.0	372.0	373.8	398.0	424.1	470.5	511.5
72.5°	323.6	318.0	306.9	312.5	318.0	344.1	370.1
75°	284.6	271.5	252.9	245.5	241.8	245.5	260.4
77.5°	251.1	232.5	210.2	191.6	176.7	171.1	184.1
80°	223.2	200.9	174.8	150.6	126.5	113.5	119.0
82.5°	200.9	173.0	145.1	117.2	89.3	70.7	70.7
85°	176.7	150.6	120.9	91.1	63.2	39.1	35.3
87.5°	159.9	132.1	100.4	72.5	44.6	20.5	11.2
90°	143.2	115.3	85.6	57.7	31.6	9.3	0.0
92.5°	128.3	102.3	74.4	46.5	22.3	5.6	0.0
95°	115.3	91.1	63.2	39.1	18.6	3.7	1.9
97.5°	102.3	80.0	55.8	31.6	13.0	3.7	1.9
100°	93.0	70.7	48.4	26.0	11.2	1.9	1.9
102.5°	81.8	63.2	40.9	22.3	9.3	1.9	1.9
105°	72.5	55.8	35.3	18.6	7.4	1.9	1.9
107.5°	65.1	48.4	31.6	16.7	7.4	1.9	1.9
110°	57.7	42.8	27.9	14.9	5.6	1.9	1.9



TEST NUMBER: P290240

CATALOG NUMBER: 8SSRK-LC-80-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	52.1	37.2	24.2	13.0	3.7	1.9	1.9
115°	44.6	33.5	20.5	11.2	3.7	1.9	1.9
117.5°	39.1	27.9	18.6	9.3	3.7	1.9	1.9
120°	33.5	24.2	14.9	7.4	1.9	1.9	1.9
122.5°	29.8	20.5	13.0	7.4	1.9	1.9	1.9
125°	26.0	18.6	11.2	5.6	1.9	1.9	1.9
127.5°	22.3	14.9	9.3	3.7	1.9	1.9	1.9
130°	18.6	13.0	7.4	3.7	1.9	1.9	1.9
132.5°	14.9	11.2	7.4	3.7	1.9	1.9	1.9
135°	13.0	9.3	5.6	3.7	1.9	1.9	1.9
137.5°	11.2	7.4	3.7	3.7	3.7	1.9	1.9
140°	9.3	5.6	3.7	3.7	3.7	3.7	1.9
142.5°	7.4	5.6	3.7	3.7	3.7	3.7	1.9
145°	5.6	3.7	3.7	3.7	3.7	3.7	1.9
147.5°	5.6	3.7	3.7	3.7	3.7	3.7	1.9
150°	3.7	3.7	3.7	3.7	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7
155°	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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)