

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: P290209

Luminaire Tested: **4SSRK-LC-80-L835-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: P290209
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-L835-CD1-U
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND CLEAR LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8599.3 lumens
Efficiency: N/A
Efficacy: 136.7 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

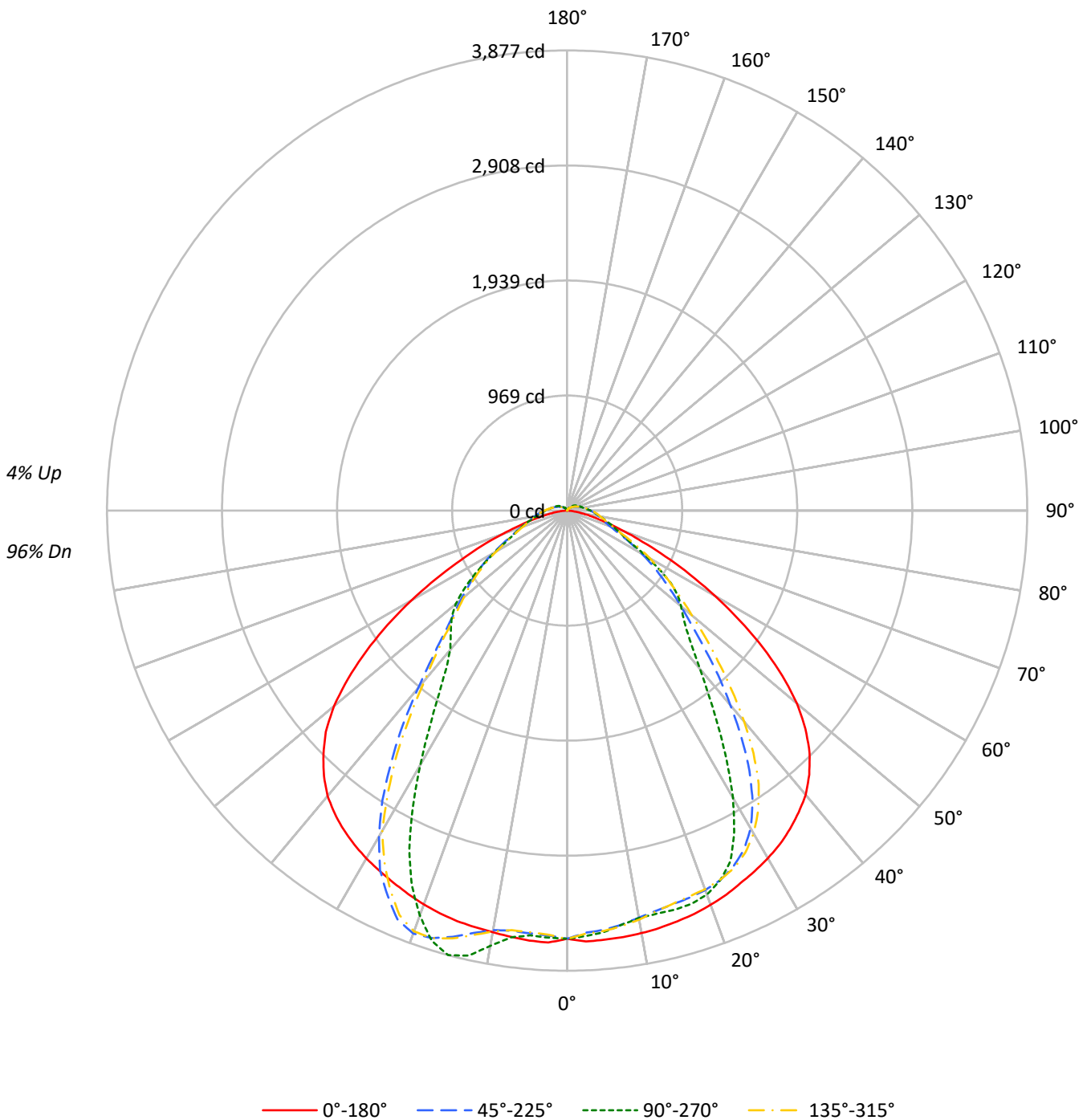
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	232964	232964	232964	232964
5°	234445	171171	234929	172515
10°	235314	134062	234832	143160
15°	236919	112385	236793	125132
20°	239289	96358	239039	101572
25°	241991	81001	241858	78267
30°	246263	62938	246401	55758
35°	250786	45992	251498	38921
40°	254682	33642	255741	29640
45°	253380	25968	254695	25289
50°	242019	21814	245407	21326
55°	214246	17878	219592	16252
60°	173286	12445	182490	11414
65°	128330	8620	138261	8175
70°	86817	6690	97864	6397
75°	56341	5370	65584	5079
80°	35859	4389	42026	4037
85°	17769	3753	23391	3427



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.6	4.0
10°-20°	1019.5	11.9
20°-30°	1549.9	18.0
30°-40°	1662.7	19.3
40°-50°	1443.0	16.8
50°-60°	1069.4	12.4
60°-70°	612.7	7.1
70°-80°	339.3	3.9
80°-90°	206.6	2.4
90°-100°	134.4	1.6
100°-110°	90.0	1.0
110°-120°	60.8	0.7
120°-130°	37.3	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°	2912.0	33.9
0°-40°	4574.7	53.2
0°-60°	7087.1	82.4
0°-90°	8245.7	95.9
90°-120°	285.1	3.3
90°-150°	351.0	4.1
90°-180°	354.0	4.1
0°-180°	8599.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3607	3607	3607	3607	3607	
5°	3630	3564	3637	3592	3630	346
15°	3583	3482	3581	3877	3583	1014
25°	3462	3257	3460	3147	3462	1600
35°	3274	2217	3283	1876	3274	2049
45°	2890	1422	2905	1384	2890	2212
55°	2016	1066	2066	969	2016	1788
65°	915	540	986	512	915	922
75°	261	343	304	324	261	298
85°	35	237	47	216	35	47
90°	0	198	4	183	0	2
95°	2	162	0	155	2	1
105°	2	121	2	116	2	2
115°	2	99	2	89	2	2
125°	2	74	2	62	2	2
135°	2	47	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°	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2
2.5°	3633.3	3624.0	3620.2	3612.8	3618.4	3640.7	3625.8	3601.6	3603.5	3560.6	3583.0
5°	3629.5	3618.4	3612.8	3605.3	3609.0	3629.5	3614.6	3590.4	3588.6	3545.7	3566.2
7.5°	3624.0	3612.8	3603.5	3597.9	3599.7	3616.5	3597.9	3569.9	3564.3	3517.8	3536.4
10°	3614.6	3607.2	3594.1	3584.8	3583.0	3601.6	3571.8	3543.8	3530.8	3482.4	3501.0
12.5°	3601.6	3590.4	3577.4	3560.6	3558.7	3569.9	3545.7	3506.6	3493.5	3454.4	3474.9
15°	3583.0	3569.9	3555.0	3536.4	3527.1	3534.5	3504.7	3469.3	3467.4	3433.9	3461.9
17.5°	3562.5	3543.8	3527.1	3501.0	3487.9	3493.5	3469.3	3437.6	3441.4	3420.9	3452.5
20°	3534.5	3514.0	3487.9	3461.9	3443.2	3452.5	3435.8	3411.5	3417.1	3402.2	3430.2
22.5°	3502.8	3474.9	3443.2	3413.4	3398.5	3411.5	3398.5	3378.0	3379.9	3370.6	3387.3
25°	3461.9	3430.2	3392.9	3355.7	3348.2	3357.5	3350.1	3333.3	3325.8	3310.9	3318.4
27.5°	3424.6	3389.2	3342.6	3303.5	3290.4	3309.1	3292.3	3264.4	3243.9	3223.4	3208.5
30°	3381.7	3338.9	3286.7	3242.0	3230.8	3238.3	3214.0	3171.2	3117.2	3091.1	3050.1
32.5°	3335.2	3279.3	3214.0	3163.7	3156.3	3150.7	3106.0	3044.5	2960.7	2908.5	2845.1
35°	3273.7	3212.2	3133.9	3072.4	3061.3	3029.6	2956.9	2874.9	2766.9	2677.4	2569.4
37.5°	3204.7	3132.1	3050.1	2968.1	2936.4	2873.1	2770.6	2684.9	2520.9	2412.9	2282.4
40°	3126.5	3038.9	2938.3	2839.5	2787.4	2684.9	2567.5	2440.8	2282.4	2137.1	2027.2
42.5°	3018.4	2925.2	2806.0	2696.1	2606.6	2470.6	2332.7	2153.9	2008.5	1885.6	1773.8
45°	2889.8	2778.1	2640.2	2507.9	2394.2	2232.1	2070.0	1891.2	1770.1	1626.6	1550.2
47.5°	2724.0	2602.9	2455.7	2308.5	2159.5	1980.6	1811.0	1639.6	1518.5	1416.0	1360.1
50°	2528.4	2416.6	2254.5	2079.3	1915.4	1729.1	1559.5	1431.0	1313.6	1250.2	1207.4
52.5°	2286.2	2181.8	2016.0	1826.0	1667.6	1485.0	1330.3	1226.0	1142.2	1095.6	1080.7
55°	2016.0	1924.7	1760.7	1583.7	1421.6	1253.9	1136.6	1045.3	991.2	963.3	965.1
57.5°	1727.2	1656.4	1501.8	1343.4	1190.6	1063.9	957.7	885.0	844.0	842.2	847.8
60°	1438.4	1386.2	1252.1	1116.1	981.9	879.4	801.2	750.9	724.8	726.7	724.8
62.5°	1162.6	1114.2	1017.3	905.5	799.3	730.4	659.6	639.1	616.7	614.9	614.9
65°	914.8	877.6	799.3	719.2	639.1	594.4	559.0	534.7	518.0	514.2	516.1
67.5°	687.5	672.6	618.6	564.6	514.2	486.3	456.5	450.9	437.9	437.9	441.6
70°	512.4	501.2	471.4	439.7	419.2	400.6	385.7	385.7	383.8	382.0	391.3
72.5°	370.8	372.6	363.3	339.1	337.2	333.5	329.8	335.4	337.2	342.8	354.0
75°	260.9	266.4	266.4	262.7	270.2	279.5	285.1	294.4	305.6	313.0	326.1
77.5°	184.5	184.5	193.8	205.0	219.9	236.6	251.5	264.6	279.5	288.8	300.0
80°	119.2	124.8	139.7	160.2	180.7	203.1	223.6	240.4	255.3	270.2	277.6
82.5°	70.8	80.1	98.8	124.8	150.9	178.9	199.4	219.9	236.6	251.5	257.1
85°	35.4	48.4	70.8	98.8	126.7	156.5	182.6	201.2	219.9	232.9	240.4
87.5°	11.2	26.1	50.3	76.4	106.2	136.0	164.0	184.5	201.2	212.4	219.9
90°	0.0	13.0	35.4	63.3	91.3	121.1	147.2	169.6	186.3	195.6	201.2
92.5°	0.0	7.5	27.9	52.2	78.3	108.1	134.2	154.6	169.6	178.9	182.6
95°	1.9	5.6	20.5	42.9	68.9	96.9	121.1	139.7	154.6	164.0	165.8
97.5°	1.9	3.7	16.8	35.4	59.6	85.7	109.9	128.6	139.7	149.1	150.9
100°	1.9	3.7	13.0	31.7	52.2	76.4	98.8	115.5	128.6	136.0	137.9
102.5°	1.9	1.9	11.2	26.1	46.6	67.1	87.6	104.3	115.5	123.0	126.7
105°	1.9	1.9	9.3	22.4	41.0	59.6	78.3	95.0	104.3	111.8	115.5
107.5°	1.9	1.9	7.5	18.6	35.4	52.2	70.8	83.8	95.0	102.5	106.2
110°	1.9	1.9	5.6	16.8	29.8	46.6	61.5	74.5	85.7	93.2	96.9



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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	26.1	41.0	54.0	67.1	76.4	83.8	89.4
115°	1.9	1.9	5.6	13.0	24.2	35.4	48.4	59.6	68.9	76.4	82.0
117.5°	1.9	1.9	5.6	11.2	20.5	31.7	42.9	54.0	61.5	68.9	74.5
120°	1.9	1.9	3.7	9.3	18.6	27.9	37.3	46.6	55.9	63.3	68.9
122.5°	1.9	1.9	3.7	9.3	14.9	24.2	33.5	41.0	50.3	55.9	61.5
125°	1.9	1.9	3.7	7.5	13.0	22.4	29.8	37.3	42.9	50.3	55.9
127.5°	1.9	1.9	3.7	7.5	11.2	18.6	26.1	33.5	39.1	44.7	48.4
130°	1.9	1.9	3.7	5.6	9.3	14.9	22.4	27.9	35.4	39.1	42.9
132.5°	1.9	1.9	1.9	5.6	7.5	11.2	16.8	24.2	29.8	35.4	37.3
135°	1.9	1.9	1.9	3.7	7.5	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	7.5	9.3	13.0	16.8	20.5	24.2
142.5°	1.9	1.9	1.9	3.7	3.7	5.6	7.5	11.2	13.0	16.8	20.5
145°	1.9	1.9	1.9	3.7	3.7	5.6	7.5	9.3	11.2	13.0	16.8
147.5°	1.9	1.9	1.9	3.7	3.7	3.7	5.6	7.5	9.3	11.2	13.0
150°	3.7	3.7	3.7	3.7	3.7	3.7	5.6	5.6	7.5	9.3	11.2
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	5.6	5.6	5.6	7.5	9.3
155°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.6	5.6	7.5	7.5
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2
2.5°	3575.5	3579.2	3601.6	3599.7	3596.0	3592.3	3592.3	3588.6	3592.3	3601.6	3597.9
5°	3556.9	3562.5	3579.2	3577.4	3573.6	3571.8	3569.9	3564.3	3568.1	3581.1	3577.4
7.5°	3523.3	3528.9	3543.8	3536.4	3530.8	3534.5	3525.2	3519.6	3527.1	3540.1	3538.2
10°	3487.9	3491.7	3510.3	3506.6	3497.3	3499.1	3489.8	3486.1	3495.4	3502.8	3504.7
12.5°	3463.7	3476.8	3493.5	3491.7	3489.8	3491.7	3482.4	3478.6	3484.2	3491.7	3489.8
15°	3458.1	3474.9	3493.5	3493.5	3495.4	3497.3	3487.9	3482.4	3487.9	3493.5	3491.7
17.5°	3452.5	3473.0	3489.8	3487.9	3489.8	3493.5	3478.6	3474.9	3482.4	3489.8	3486.1
20°	3433.9	3452.5	3463.7	3460.0	3460.0	3461.9	3443.2	3443.2	3454.4	3460.0	3461.9
22.5°	3381.7	3404.1	3404.1	3394.8	3394.8	3387.3	3381.7	3370.6	3383.6	3392.9	3400.4
25°	3303.5	3312.8	3301.6	3281.1	3269.9	3260.6	3234.5	3256.9	3256.9	3284.9	3294.2
27.5°	3193.6	3173.1	3141.4	3098.5	3089.2	3059.4	3042.6	3048.2	3057.5	3096.7	3126.5
30°	3012.8	2951.3	2897.3	2878.7	2837.7	2807.9	2778.1	2793.0	2809.7	2832.1	2893.6
32.5°	2774.3	2714.7	2627.1	2595.5	2552.6	2515.3	2479.9	2502.3	2532.1	2547.0	2614.1
35°	2500.4	2429.6	2349.5	2295.5	2250.8	2230.3	2185.6	2217.2	2248.9	2260.1	2317.8
37.5°	2209.8	2137.1	2066.3	2019.7	1976.9	1963.8	1934.0	1956.4	1980.6	1997.4	2045.8
40°	1934.0	1866.9	1812.9	1781.2	1751.4	1740.2	1729.1	1738.4	1757.0	1770.1	1807.3
42.5°	1697.4	1643.4	1606.1	1587.5	1567.0	1552.1	1553.9	1557.6	1567.0	1594.9	1611.7
45°	1490.6	1458.9	1434.7	1431.0	1417.9	1416.0	1414.2	1421.6	1427.2	1444.0	1457.0
47.5°	1324.7	1311.7	1306.1	1313.6	1319.2	1311.7	1315.4	1324.7	1335.9	1335.9	1334.1
50°	1194.3	1198.0	1205.5	1222.3	1233.4	1237.2	1240.9	1252.1	1253.9	1257.7	1252.1
52.5°	1088.1	1091.8	1112.3	1138.4	1151.5	1157.1	1164.5	1175.7	1175.7	1179.4	1172.0
55°	980.1	985.6	1006.1	1032.2	1043.4	1050.9	1058.3	1065.8	1071.3	1078.8	1073.2
57.5°	860.8	877.6	890.6	898.1	905.5	911.1	916.7	918.6	929.7	931.6	940.9
60°	734.1	737.8	750.9	749.0	743.4	758.3	750.9	763.9	777.0	793.7	795.6
62.5°	613.0	614.9	624.2	620.5	627.9	626.0	631.6	631.6	640.9	648.4	657.7
65°	518.0	519.8	527.3	527.3	525.4	531.0	536.6	540.3	540.3	545.9	553.4
67.5°	447.2	452.8	460.2	463.9	467.7	467.7	473.3	475.1	478.8	480.7	484.4
70°	398.7	406.2	413.6	417.4	419.2	423.0	424.8	424.8	428.5	430.4	434.1
72.5°	363.3	370.8	376.4	376.4	380.1	382.0	382.0	383.8	385.7	389.4	393.1
75°	333.5	339.1	342.8	341.0	341.0	341.0	342.8	342.8	346.6	350.3	354.0
77.5°	305.6	311.2	311.2	307.4	307.4	307.4	307.4	309.3	311.2	314.9	318.6
80°	285.1	285.1	283.2	283.2	279.5	277.6	277.6	279.5	279.5	283.2	288.8
82.5°	262.7	262.7	260.9	259.0	257.1	255.3	255.3	257.1	259.0	260.9	264.6
85°	242.2	242.2	238.5	238.5	236.6	236.6	236.6	236.6	238.5	240.4	244.1
87.5°	221.7	219.9	218.0	216.1	216.1	216.1	216.1	216.1	218.0	221.7	223.6
90°	201.2	199.4	197.5	197.5	195.6	195.6	197.5	197.5	199.4	201.2	203.1
92.5°	182.6	180.7	178.9	178.9	177.0	177.0	178.9	177.0	180.7	180.7	182.6
95°	165.8	164.0	162.1	162.1	162.1	162.1	162.1	162.1	164.0	164.0	165.8
97.5°	150.9	149.1	147.2	147.2	149.1	147.2	149.1	149.1	149.1	150.9	152.8
100°	137.9	136.0	136.0	137.9	136.0	136.0	137.9	137.9	137.9	137.9	139.7
102.5°	126.7	126.7	126.7	126.7	126.7	126.7	128.6	128.6	128.6	128.6	130.4
105°	115.5	117.4	117.4	117.4	119.2	119.2	119.2	121.1	121.1	121.1	121.1
107.5°	108.1	109.9	109.9	111.8	111.8	113.7	113.7	113.7	113.7	115.5	115.5
110°	100.6	102.5	104.3	106.2	106.2	108.1	108.1	108.1	108.1	108.1	108.1



TEST NUMBER: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	93.2	95.0	96.9	100.6	102.5	102.5	102.5	102.5	104.3	104.3	102.5
115°	85.7	89.4	91.3	95.0	96.9	96.9	98.8	98.8	98.8	98.8	96.9
117.5°	78.3	83.8	85.7	89.4	91.3	91.3	93.2	93.2	93.2	93.2	91.3
120°	72.7	76.4	80.1	82.0	83.8	85.7	85.7	87.6	87.6	87.6	85.7
122.5°	67.1	70.8	74.5	76.4	78.3	80.1	80.1	80.1	80.1	80.1	80.1
125°	59.6	63.3	67.1	68.9	70.8	72.7	72.7	74.5	74.5	74.5	72.7
127.5°	54.0	57.8	59.6	63.3	65.2	65.2	67.1	67.1	67.1	67.1	65.2
130°	46.6	50.3	54.0	55.9	57.8	57.8	59.6	59.6	59.6	59.6	59.6
132.5°	41.0	44.7	46.6	50.3	50.3	52.2	52.2	54.0	54.0	54.0	52.2
135°	37.3	39.1	41.0	44.7	44.7	46.6	46.6	46.6	46.6	46.6	46.6
137.5°	33.5	35.4	37.3	39.1	39.1	41.0	41.0	41.0	41.0	42.9	41.0
140°	27.9	31.7	33.5	33.5	35.4	35.4	35.4	37.3	37.3	37.3	35.4
142.5°	24.2	26.1	27.9	29.8	31.7	31.7	31.7	31.7	33.5	31.7	31.7
145°	18.6	22.4	24.2	26.1	27.9	27.9	27.9	27.9	27.9	27.9	27.9
147.5°	14.9	16.8	20.5	22.4	22.4	24.2	24.2	24.2	24.2	24.2	24.2
150°	13.0	13.0	16.8	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	16.8	16.8	16.8	16.8	16.8	16.8	16.8
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: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2
2.5°	3592.3	3590.4	3597.9	3590.4	3553.2	3568.1	3562.5	3583.0	3584.8	3590.4	3609.0
5°	3573.6	3573.6	3583.0	3575.5	3540.1	3555.0	3553.2	3573.6	3577.4	3581.1	3601.6
7.5°	3536.4	3538.2	3551.3	3545.7	3508.4	3530.8	3528.9	3553.2	3560.6	3568.1	3586.7
10°	3501.0	3499.1	3514.0	3508.4	3473.0	3499.1	3497.3	3521.5	3532.7	3545.7	3568.1
12.5°	3482.4	3476.8	3482.4	3476.8	3437.6	3458.1	3460.0	3487.9	3501.0	3517.8	3543.8
15°	3482.4	3473.0	3473.0	3461.9	3417.1	3430.2	3432.0	3450.7	3467.4	3484.2	3515.9
17.5°	3478.6	3469.3	3467.4	3458.1	3409.7	3409.7	3407.8	3420.9	3430.2	3447.0	3480.5
20°	3458.1	3454.4	3452.5	3447.0	3402.2	3394.8	3391.1	3391.1	3396.6	3402.2	3435.8
22.5°	3404.1	3407.8	3411.5	3415.3	3379.9	3366.8	3368.7	3365.0	3359.4	3359.4	3387.3
25°	3303.5	3322.1	3337.0	3353.8	3333.3	3324.0	3335.2	3329.6	3320.3	3312.8	3337.0
27.5°	3143.2	3182.4	3214.0	3255.0	3256.9	3249.4	3279.3	3275.5	3273.7	3262.5	3281.1
30°	2921.5	2983.0	3025.9	3085.5	3135.8	3143.2	3193.6	3201.0	3208.5	3202.9	3221.5
32.5°	2653.2	2737.1	2809.7	2902.9	2951.3	2994.2	3065.0	3094.8	3124.6	3133.9	3154.4
35°	2360.7	2455.7	2541.4	2643.9	2720.3	2813.5	2899.2	2943.9	3011.0	3037.0	3066.9
37.5°	2083.1	2172.5	2256.4	2358.8	2481.8	2578.7	2684.9	2785.5	2876.8	2914.1	2958.8
40°	1837.1	1909.8	1989.9	2079.3	2191.1	2317.8	2433.4	2573.1	2681.2	2755.7	2820.9
42.5°	1650.8	1686.2	1755.1	1835.3	1924.7	2053.3	2170.6	2327.2	2457.6	2563.8	2671.9
45°	1485.0	1501.8	1552.1	1594.9	1686.2	1799.9	1924.7	2077.5	2213.5	2349.5	2479.9
47.5°	1343.4	1363.9	1388.1	1414.2	1479.4	1574.4	1682.5	1820.4	1956.4	2114.8	2263.8
50°	1248.4	1253.9	1257.7	1268.9	1308.0	1373.2	1460.8	1578.1	1708.6	1878.1	2036.5
52.5°	1164.5	1164.5	1153.3	1147.7	1162.6	1203.6	1253.9	1337.8	1471.9	1628.5	1796.1
55°	1075.1	1058.3	1054.6	1035.9	1039.7	1058.3	1082.5	1147.7	1257.7	1391.8	1553.9
57.5°	950.2	942.8	942.8	935.3	920.4	929.7	935.3	981.9	1060.2	1175.7	1317.3
60°	806.8	803.0	812.4	814.2	801.2	806.8	804.9	832.9	888.8	981.9	1099.3
62.5°	663.3	680.1	681.9	689.4	681.9	680.1	689.4	713.6	741.6	812.4	903.7
65°	557.1	566.4	568.3	577.6	573.9	573.9	581.3	600.0	616.7	665.2	736.0
67.5°	488.2	484.4	486.3	491.9	486.3	484.4	490.0	501.2	514.2	544.1	594.4
70°	434.1	430.4	430.4	430.4	423.0	417.4	419.2	423.0	428.5	445.3	477.0
72.5°	393.1	393.1	387.5	382.0	376.4	372.6	368.9	365.2	363.3	368.9	385.7
75°	355.9	357.7	355.9	350.3	342.8	335.4	327.9	320.5	311.2	307.4	309.3
77.5°	322.3	324.2	326.1	324.2	316.7	307.4	296.3	285.1	272.0	259.0	251.5
80°	292.5	296.3	298.1	296.3	290.7	283.2	270.2	257.1	238.5	221.7	203.1
82.5°	266.4	272.0	273.9	273.9	270.2	262.7	247.8	232.9	212.4	190.0	165.8
85°	245.9	249.7	253.4	253.4	251.5	244.1	229.2	212.4	191.9	165.8	139.7
87.5°	225.4	227.3	231.0	234.8	231.0	223.6	210.5	191.9	171.4	145.3	115.5
90°	205.0	206.8	210.5	214.3	212.4	205.0	193.8	177.0	154.6	126.7	96.9
92.5°	184.5	188.2	190.0	191.9	193.8	188.2	178.9	162.1	139.7	111.8	83.8
95°	169.6	169.6	173.3	175.1	177.0	171.4	164.0	147.2	126.7	100.6	72.7
97.5°	154.6	154.6	158.4	158.4	160.2	156.5	149.1	134.2	113.7	89.4	61.5
100°	139.7	141.6	143.5	145.3	145.3	143.5	136.0	121.1	102.5	80.1	54.0
102.5°	130.4	130.4	132.3	132.3	134.2	130.4	123.0	109.9	91.3	70.8	46.6
105°	121.1	121.1	123.0	123.0	121.1	117.4	109.9	98.8	82.0	61.5	41.0
107.5°	113.7	113.7	113.7	113.7	111.8	108.1	100.6	87.6	72.7	55.9	37.3
110°	108.1	106.2	106.2	104.3	102.5	96.9	89.4	78.3	65.2	48.4	31.7



TEST NUMBER: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	102.5	100.6	98.8	96.9	93.2	87.6	80.1	70.8	57.8	42.9	27.9
115°	96.9	95.0	93.2	89.4	85.7	80.1	72.7	63.3	50.3	37.3	24.2
117.5°	91.3	89.4	85.7	82.0	78.3	72.7	65.2	55.9	44.7	33.5	22.4
120°	83.8	82.0	80.1	76.4	72.7	65.2	57.8	50.3	39.1	29.8	18.6
122.5°	78.3	76.4	72.7	70.8	65.2	59.6	52.2	44.7	35.4	26.1	16.8
125°	70.8	68.9	67.1	63.3	59.6	52.2	46.6	39.1	31.7	22.4	13.0
127.5°	65.2	63.3	59.6	55.9	52.2	46.6	41.0	35.4	27.9	18.6	13.0
130°	57.8	55.9	54.0	50.3	46.6	41.0	37.3	29.8	24.2	16.8	11.2
132.5°	50.3	50.3	48.4	44.7	41.0	37.3	31.7	26.1	20.5	14.9	9.3
135°	46.6	44.7	42.9	39.1	37.3	31.7	27.9	22.4	16.8	13.0	7.5
137.5°	41.0	39.1	37.3	35.4	31.7	27.9	24.2	18.6	14.9	11.2	7.5
140°	35.4	33.5	33.5	29.8	27.9	24.2	20.5	16.8	13.0	9.3	5.6
142.5°	31.7	29.8	27.9	26.1	24.2	20.5	16.8	13.0	11.2	7.5	5.6
145°	27.9	26.1	24.2	22.4	20.5	16.8	14.9	11.2	9.3	7.5	5.6
147.5°	22.4	22.4	20.5	18.6	16.8	14.9	13.0	11.2	7.5	5.6	3.7
150°	18.6	18.6	16.8	14.9	14.9	13.0	11.2	9.3	7.5	5.6	3.7
152.5°	16.8	14.9	14.9	13.0	13.0	11.2	9.3	7.5	5.6	5.6	3.7
155°	13.0	13.0	13.0	11.2	11.2	9.3	7.5	7.5	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: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2
2.5°	3612.8	3590.4	3609.0	3642.6	3638.9	3635.1	3631.4	3638.9	3663.1	3650.0	3629.5
5°	3607.2	3584.8	3605.3	3637.0	3635.1	3629.5	3625.8	3633.3	3657.5	3644.5	3622.1
7.5°	3596.0	3575.5	3590.4	3622.1	3622.1	3618.4	3614.6	3622.1	3644.5	3633.3	3610.9
10°	3577.4	3562.5	3577.4	3607.2	3609.0	3601.6	3597.9	3607.2	3629.5	3624.0	3605.3
12.5°	3562.5	3547.6	3564.3	3594.1	3596.0	3588.6	3583.0	3594.1	3624.0	3627.7	3622.1
15°	3542.0	3528.9	3549.4	3581.1	3581.1	3575.5	3575.5	3590.4	3631.4	3648.2	3657.5
17.5°	3512.2	3502.8	3527.1	3558.7	3560.6	3556.9	3558.7	3588.6	3642.6	3683.6	3709.7
20°	3474.9	3471.2	3497.3	3530.8	3536.4	3538.2	3547.6	3592.3	3666.8	3722.7	3748.8
22.5°	3430.2	3432.0	3461.9	3497.3	3504.7	3510.3	3528.9	3592.3	3685.4	3745.1	3756.2
25°	3379.9	3385.5	3417.1	3460.0	3469.3	3480.5	3512.2	3594.1	3691.0	3730.2	3711.5
27.5°	3325.8	3337.0	3378.0	3422.7	3433.9	3452.5	3493.5	3583.0	3664.9	3666.8	3597.9
30°	3269.9	3283.0	3331.4	3383.6	3402.2	3420.9	3471.2	3556.9	3601.6	3542.0	3420.9
32.5°	3206.6	3225.2	3273.7	3337.0	3359.4	3383.6	3433.9	3506.6	3489.8	3361.2	3188.0
35°	3126.5	3152.6	3208.5	3283.0	3303.5	3335.2	3370.6	3387.3	3312.8	3130.2	2934.6
37.5°	3027.7	3066.9	3132.1	3217.8	3240.1	3260.6	3269.9	3223.4	3074.3	2876.8	2673.7
40°	2914.1	2973.7	3044.5	3139.5	3161.9	3161.9	3128.3	3029.6	2841.4	2582.4	2357.0
42.5°	2776.2	2848.9	2938.3	3033.3	3055.7	3029.6	2949.5	2776.2	2561.9	2273.1	2034.6
45°	2608.5	2705.4	2806.0	2904.8	2915.9	2858.2	2714.7	2494.8	2230.3	1962.0	1734.7
47.5°	2409.1	2535.8	2645.8	2757.6	2742.7	2645.8	2453.9	2204.2	1924.7	1671.3	1488.7
50°	2185.6	2334.6	2457.6	2563.8	2532.1	2398.0	2172.5	1911.7	1634.0	1417.9	1267.0
52.5°	1947.1	2118.5	2241.4	2327.2	2284.3	2124.1	1876.3	1626.6	1399.3	1201.8	1101.2
55°	1699.3	1872.5	1999.2	2066.3	2010.4	1837.1	1593.0	1365.7	1151.5	1022.9	963.3
57.5°	1458.9	1621.0	1740.2	1794.3	1723.5	1550.2	1324.7	1132.8	978.2	870.1	840.3
60°	1227.9	1360.1	1473.8	1514.8	1438.4	1278.2	1084.4	931.6	818.0	743.4	728.5
62.5°	1013.6	1121.7	1211.1	1242.8	1168.2	1043.4	875.7	762.1	681.9	644.7	626.0
65°	836.6	899.9	991.2	985.6	940.9	825.4	702.4	622.3	570.1	545.9	534.7
67.5°	657.7	715.5	773.2	780.7	724.8	644.7	564.6	506.8	478.8	465.8	460.2
70°	508.7	551.5	586.9	577.6	547.8	497.5	447.2	415.5	404.3	398.7	398.7
72.5°	395.0	417.4	434.1	423.0	404.3	378.2	354.0	341.0	342.8	346.6	350.3
75°	305.6	311.2	314.9	303.7	300.0	283.2	281.3	283.2	294.4	305.6	311.2
77.5°	234.8	227.3	221.7	210.5	212.4	210.5	219.9	234.8	251.5	268.3	283.2
80°	180.7	164.0	150.9	139.7	145.3	154.6	173.3	195.6	218.0	236.6	255.3
82.5°	139.7	115.5	96.9	85.7	96.9	111.8	136.0	164.0	190.0	210.5	231.0
85°	108.1	80.1	57.8	46.6	57.8	80.1	106.2	137.9	165.8	188.2	208.7
87.5°	83.8	57.8	31.7	18.6	31.7	55.9	85.7	115.5	143.5	169.6	190.0
90°	67.1	39.1	14.9	3.7	16.8	39.1	67.1	96.9	124.8	152.8	173.3
92.5°	54.0	27.9	7.5	0.0	9.3	29.8	55.9	83.8	111.8	137.9	158.4
95°	44.7	22.4	5.6	0.0	7.5	22.4	44.7	72.7	98.8	124.8	141.6
97.5°	37.3	16.8	3.7	0.0	3.7	18.6	37.3	61.5	87.6	111.8	128.6
100°	31.7	14.9	3.7	0.0	3.7	14.9	31.7	54.0	76.4	98.8	115.5
102.5°	26.1	11.2	1.9	1.9	1.9	11.2	27.9	46.6	67.1	87.6	104.3
105°	24.2	9.3	1.9	1.9	1.9	9.3	24.2	41.0	59.6	78.3	93.2
107.5°	20.5	7.5	1.9	1.9	1.9	7.5	20.5	35.4	54.0	70.8	83.8
110°	16.8	7.5	1.9	1.9	1.9	7.5	16.8	31.7	46.6	61.5	74.5



TEST NUMBER: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-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	41.0	55.9	67.1
115°	13.0	5.6	1.9	1.9	1.9	5.6	13.0	24.2	35.4	48.4	59.6
117.5°	11.2	5.6	1.9	1.9	1.9	3.7	11.2	20.5	31.7	42.9	54.0
120°	9.3	3.7	1.9	1.9	1.9	3.7	9.3	18.6	27.9	37.3	46.6
122.5°	9.3	3.7	1.9	1.9	1.9	3.7	7.5	14.9	24.2	31.7	41.0
125°	7.5	3.7	1.9	1.9	1.9	1.9	7.5	13.0	20.5	27.9	35.4
127.5°	7.5	3.7	1.9	1.9	1.9	1.9	5.6	11.2	16.8	24.2	31.7
130°	5.6	3.7	1.9	1.9	1.9	1.9	3.7	9.3	14.9	20.5	26.1
132.5°	5.6	3.7	1.9	1.9	1.9	1.9	3.7	7.5	11.2	16.8	22.4
135°	5.6	1.9	1.9	1.9	1.9	1.9	1.9	5.6	9.3	13.0	16.8
137.5°	3.7	1.9	1.9	1.9	1.9	1.9	1.9	3.7	7.5	9.3	14.9
140°	3.7	1.9	1.9	1.9	1.9	1.9	1.9	3.7	5.6	7.5	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	7.5
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: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2
2.5°	3625.8	3583.0	3605.3	3597.9	3605.3	3624.0	3622.1	3616.5	3620.2	3610.9	3601.6
5°	3618.4	3575.5	3597.9	3588.6	3597.9	3616.5	3612.8	3607.2	3612.8	3601.6	3592.3
7.5°	3609.0	3569.9	3596.0	3594.1	3610.9	3635.1	3637.0	3637.0	3650.0	3633.3	3625.8
10°	3609.0	3588.6	3624.0	3637.0	3679.9	3711.5	3715.3	3722.7	3745.1	3741.3	3722.7
12.5°	3648.2	3644.5	3696.6	3728.3	3767.4	3812.1	3836.4	3843.8	3858.7	3847.5	3840.1
15°	3698.5	3717.1	3774.9	3810.3	3853.1	3886.7	3892.3	3896.0	3907.2	3890.4	3877.4
17.5°	3765.6	3776.7	3823.3	3838.2	3866.2	3871.8	3864.3	3845.7	3845.7	3808.4	3797.2
20°	3797.2	3791.6	3810.3	3786.1	3774.9	3741.3	3709.7	3674.3	3672.4	3633.3	3629.5
22.5°	3769.3	3732.0	3692.9	3633.3	3607.2	3558.7	3515.9	3495.4	3482.4	3432.0	3419.0
25°	3670.5	3579.2	3521.5	3450.7	3387.3	3331.4	3290.4	3247.6	3206.6	3165.6	3147.0
27.5°	3499.1	3413.4	3320.3	3221.5	3133.9	3048.2	2979.3	2936.4	2897.3	2843.3	2815.3
30°	3288.6	3169.3	3066.9	2971.8	2828.4	2724.0	2666.3	2580.6	2550.7	2526.5	2474.4
32.5°	3040.8	2897.3	2757.6	2629.0	2481.8	2384.9	2308.5	2245.2	2226.5	2163.2	2148.3
35°	2766.9	2578.7	2420.3	2293.6	2187.4	2070.0	2006.7	1963.8	1926.6	1883.7	1876.3
37.5°	2444.5	2275.0	2096.1	1984.3	1900.5	1799.9	1751.4	1721.6	1704.8	1673.2	1667.6
40°	2120.3	1950.8	1827.8	1716.0	1663.9	1609.8	1574.4	1561.4	1553.9	1542.7	1531.6
42.5°	1826.0	1676.9	1589.3	1514.8	1492.4	1466.4	1457.0	1464.5	1457.0	1453.3	1451.4
45°	1576.3	1462.6	1401.1	1378.8	1373.2	1365.7	1373.2	1386.2	1388.1	1384.4	1384.4
47.5°	1349.0	1294.9	1268.9	1272.6	1281.9	1287.5	1300.5	1317.3	1321.0	1311.7	1315.4
50°	1199.9	1168.2	1162.6	1177.6	1198.0	1205.5	1220.4	1233.4	1231.6	1227.9	1224.1
52.5°	1060.2	1050.9	1065.8	1080.7	1103.0	1106.8	1112.3	1117.9	1116.1	1108.6	1104.9
55°	942.8	950.2	963.3	968.9	985.6	983.8	985.6	985.6	978.2	974.5	968.9
57.5°	836.6	838.4	845.9	847.8	857.1	853.4	851.5	847.8	836.6	834.7	829.1
60°	728.5	724.8	741.6	728.5	736.0	728.5	726.7	717.3	706.2	704.3	700.6
62.5°	626.0	618.6	629.8	624.2	627.9	620.5	616.7	605.5	596.2	594.4	592.5
65°	534.7	531.0	542.2	540.3	544.1	534.7	531.0	523.6	516.1	514.2	512.4
67.5°	458.4	467.7	473.3	473.3	477.0	475.1	465.8	463.9	462.1	454.6	454.6
70°	402.5	408.0	419.2	421.1	419.2	423.0	415.5	413.6	411.8	408.0	406.2
72.5°	357.7	365.2	376.4	378.2	376.4	376.4	372.6	370.8	370.8	365.2	365.2
75°	322.3	331.7	341.0	341.0	341.0	337.2	333.5	333.5	329.8	327.9	324.2
77.5°	292.5	303.7	311.2	309.3	307.4	303.7	303.7	298.1	292.5	292.5	288.8
80°	270.2	277.6	283.2	281.3	279.5	273.9	272.0	266.4	262.7	257.1	257.1
82.5°	245.9	255.3	259.0	257.1	253.4	247.8	245.9	242.2	238.5	236.6	232.9
85°	225.4	234.8	236.6	232.9	229.2	225.4	223.6	221.7	219.9	216.1	216.1
87.5°	205.0	214.3	214.3	212.4	208.7	206.8	205.0	203.1	201.2	199.4	197.5
90°	188.2	195.6	195.6	193.8	191.9	190.0	188.2	186.3	184.5	182.6	182.6
92.5°	171.4	178.9	178.9	177.0	175.1	173.3	173.3	171.4	169.6	167.7	165.8
95°	156.5	164.0	164.0	164.0	162.1	160.2	160.2	158.4	156.5	156.5	154.6
97.5°	141.6	149.1	149.1	149.1	147.2	145.3	145.3	143.5	143.5	143.5	141.6
100°	128.6	134.2	136.0	136.0	134.2	134.2	134.2	132.3	132.3	132.3	130.4
102.5°	115.5	121.1	124.8	124.8	124.8	123.0	123.0	123.0	123.0	123.0	121.1
105°	104.3	109.9	113.7	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
107.5°	95.0	100.6	104.3	106.2	108.1	108.1	109.9	109.9	109.9	109.9	109.9
110°	85.7	91.3	96.9	98.8	100.6	102.5	102.5	104.3	102.5	102.5	102.5



TEST NUMBER: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	76.4	83.8	87.6	91.3	93.2	95.0	96.9	96.9	96.9	96.9	96.9
115°	68.9	76.4	80.1	83.8	87.6	89.4	89.4	91.3	91.3	91.3	89.4
117.5°	61.5	68.9	72.7	76.4	78.3	82.0	83.8	83.8	83.8	83.8	82.0
120°	55.9	61.5	65.2	68.9	72.7	74.5	76.4	76.4	76.4	76.4	76.4
122.5°	48.4	54.0	59.6	63.3	65.2	67.1	68.9	68.9	68.9	68.9	68.9
125°	42.9	48.4	52.2	55.9	57.8	61.5	61.5	61.5	61.5	61.5	61.5
127.5°	37.3	42.9	46.6	50.3	52.2	54.0	55.9	55.9	55.9	55.9	55.9
130°	31.7	37.3	41.0	44.7	46.6	48.4	48.4	50.3	50.3	50.3	50.3
132.5°	27.9	31.7	35.4	39.1	41.0	42.9	42.9	44.7	44.7	44.7	44.7
135°	22.4	27.9	29.8	33.5	35.4	37.3	37.3	39.1	39.1	39.1	39.1
137.5°	18.6	22.4	26.1	29.8	31.7	31.7	33.5	33.5	35.4	35.4	35.4
140°	14.9	16.8	22.4	24.2	26.1	27.9	29.8	29.8	29.8	29.8	29.8
142.5°	11.2	14.9	16.8	20.5	22.4	24.2	26.1	26.1	26.1	26.1	26.1
145°	9.3	11.2	13.0	16.8	18.6	20.5	22.4	22.4	22.4	22.4	22.4
147.5°	7.5	9.3	11.2	13.0	14.9	16.8	18.6	18.6	18.6	18.6	18.6
150°	5.6	7.5	9.3	9.3	11.2	13.0	14.9	16.8	16.8	16.8	16.8
152.5°	5.6	5.6	7.5	7.5	9.3	11.2	13.0	13.0	13.0	13.0	13.0
155°	3.7	5.6	5.6	5.6	7.5	7.5	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: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2
2.5°	3607.2	3614.6	3610.9	3605.3	3603.5	3612.8	3603.5	3560.6	3577.4	3579.2	3592.3
5°	3601.6	3607.2	3603.5	3599.7	3594.1	3605.3	3594.1	3549.4	3566.2	3568.1	3581.1
7.5°	3638.9	3640.7	3640.7	3631.4	3616.5	3622.1	3607.2	3556.9	3566.2	3566.2	3575.5
10°	3732.0	3735.7	3741.3	3717.1	3698.5	3683.6	3663.1	3601.6	3599.7	3584.8	3584.8
12.5°	3853.1	3843.8	3834.5	3823.3	3808.4	3789.8	3760.0	3687.3	3663.1	3638.9	3614.6
15°	3888.5	3884.8	3882.9	3877.4	3868.0	3862.4	3840.1	3767.4	3732.0	3702.2	3659.4
17.5°	3795.4	3802.8	3827.0	3828.9	3840.1	3862.4	3858.7	3808.4	3776.7	3763.7	3711.5
20°	3627.7	3629.5	3659.4	3672.4	3720.8	3758.1	3786.1	3780.5	3773.0	3787.9	3748.8
22.5°	3426.5	3439.5	3471.2	3491.7	3538.2	3581.1	3625.8	3650.0	3689.2	3750.7	3743.2
25°	3152.6	3169.3	3214.0	3247.6	3312.8	3378.0	3437.6	3480.5	3527.1	3644.5	3683.6
27.5°	2824.6	2850.7	2908.5	2942.0	3033.3	3100.4	3186.1	3269.9	3335.2	3469.3	3549.4
30°	2479.9	2502.3	2563.8	2610.4	2688.6	2779.9	2888.0	3007.2	3115.3	3251.3	3351.9
32.5°	2157.6	2181.8	2232.1	2273.1	2360.7	2437.1	2556.3	2703.5	2804.1	2992.3	3126.5
35°	1876.3	1898.6	1934.0	1969.4	2042.1	2120.3	2222.8	2366.3	2494.8	2690.5	2860.0
37.5°	1678.8	1682.5	1703.0	1723.5	1777.5	1837.1	1917.2	2043.9	2163.2	2373.7	2560.1
40°	1537.2	1537.2	1548.3	1553.9	1578.1	1613.5	1663.9	1762.6	1861.4	2021.6	2248.9
42.5°	1449.6	1445.9	1445.9	1447.7	1445.9	1462.6	1492.4	1539.0	1626.6	1758.9	1935.9
45°	1384.4	1376.9	1371.3	1358.3	1350.8	1350.8	1352.7	1369.5	1419.8	1505.5	1648.9
47.5°	1311.7	1309.8	1300.5	1285.6	1272.6	1263.3	1248.4	1242.8	1257.7	1306.1	1403.0
50°	1227.9	1218.5	1209.2	1198.0	1183.1	1173.8	1145.9	1147.7	1134.7	1157.1	1207.4
52.5°	1104.9	1097.4	1093.7	1084.4	1078.8	1075.1	1052.7	1030.4	1024.8	1028.5	1047.1
55°	968.9	972.6	957.7	965.1	963.3	946.5	937.2	920.4	914.8	913.0	922.3
57.5°	827.3	831.0	821.7	829.1	829.1	819.8	814.2	814.2	801.2	790.0	803.0
60°	698.7	691.3	696.8	706.2	706.2	700.6	696.8	696.8	687.5	683.8	693.1
62.5°	594.4	586.9	592.5	601.8	603.7	600.0	596.2	596.2	585.0	585.0	592.5
65°	514.2	516.1	514.2	521.7	521.7	523.6	519.8	516.1	503.1	508.7	506.8
67.5°	456.5	454.6	454.6	462.1	460.2	463.9	460.2	454.6	445.3	437.9	436.0
70°	408.0	406.2	406.2	409.9	411.8	411.8	409.9	406.2	393.1	385.7	380.1
72.5°	365.2	363.3	365.2	367.1	368.9	370.8	368.9	365.2	354.0	344.7	335.4
75°	326.1	324.2	329.8	329.8	331.7	331.7	333.5	331.7	322.3	311.2	300.0
77.5°	286.9	288.8	294.4	296.3	300.0	301.8	303.7	303.7	294.4	285.1	270.2
80°	255.3	259.0	262.7	264.6	268.3	273.9	275.8	277.6	270.2	260.9	244.1
82.5°	232.9	234.8	238.5	240.4	245.9	247.8	249.7	253.4	249.7	240.4	221.7
85°	214.3	216.1	219.9	219.9	223.6	227.3	229.2	231.0	229.2	219.9	201.2
87.5°	197.5	199.4	201.2	203.1	205.0	206.8	208.7	210.5	208.7	199.4	182.6
90°	182.6	182.6	184.5	184.5	186.3	188.2	191.9	191.9	190.0	182.6	165.8
92.5°	165.8	167.7	167.7	169.6	171.4	173.3	175.1	175.1	173.3	165.8	150.9
95°	154.6	154.6	156.5	156.5	158.4	158.4	160.2	160.2	158.4	150.9	136.0
97.5°	141.6	141.6	141.6	141.6	143.5	143.5	145.3	145.3	143.5	136.0	123.0
100°	130.4	130.4	130.4	130.4	130.4	132.3	132.3	132.3	130.4	123.0	109.9
102.5°	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	117.4	111.8	98.8
105°	115.5	115.5	115.5	113.7	113.7	113.7	111.8	111.8	106.2	100.6	89.4
107.5°	108.1	108.1	108.1	106.2	106.2	104.3	102.5	102.5	96.9	91.3	80.1
110°	102.5	102.5	102.5	100.6	98.8	96.9	95.0	93.2	87.6	80.1	70.8



TEST NUMBER: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	96.9	96.9	95.0	95.0	93.2	91.3	87.6	85.7	80.1	72.7	63.3
115°	89.4	89.4	89.4	87.6	85.7	83.8	82.0	78.3	72.7	65.2	55.9
117.5°	82.0	82.0	82.0	80.1	78.3	76.4	74.5	70.8	65.2	57.8	50.3
120°	74.5	74.5	74.5	72.7	70.8	68.9	67.1	63.3	57.8	52.2	42.9
122.5°	68.9	68.9	67.1	65.2	63.3	61.5	59.6	55.9	52.2	44.7	37.3
125°	61.5	61.5	59.6	59.6	57.8	55.9	54.0	50.3	44.7	39.1	33.5
127.5°	55.9	54.0	54.0	54.0	52.2	50.3	46.6	44.7	39.1	33.5	27.9
130°	48.4	48.4	48.4	46.6	46.6	44.7	41.0	37.3	33.5	29.8	24.2
132.5°	42.9	42.9	42.9	42.9	41.0	39.1	35.4	33.5	29.8	24.2	20.5
135°	39.1	39.1	37.3	37.3	35.4	33.5	31.7	27.9	24.2	20.5	16.8
137.5°	33.5	33.5	33.5	31.7	31.7	29.8	26.1	24.2	22.4	18.6	14.9
140°	29.8	29.8	27.9	27.9	26.1	26.1	24.2	20.5	18.6	14.9	13.0
142.5°	26.1	26.1	24.2	24.2	22.4	22.4	20.5	18.6	14.9	13.0	9.3
145°	22.4	22.4	20.5	20.5	20.5	18.6	16.8	14.9	13.0	11.2	9.3
147.5°	18.6	18.6	18.6	16.8	16.8	14.9	14.9	13.0	11.2	9.3	7.5
150°	16.8	16.8	14.9	14.9	14.9	13.0	11.2	11.2	9.3	7.5	5.6
152.5°	13.0	13.0	13.0	13.0	11.2	11.2	9.3	9.3	7.5	5.6	5.6
155°	11.2	11.2	11.2	9.3	9.3	9.3	7.5	7.5	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



TEST NUMBER: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2	3607.2
2.5°	3586.7	3584.8	3601.6	3599.7	3577.4	3610.9	3633.3
5°	3577.4	3575.5	3590.4	3594.1	3569.9	3605.3	3629.5
7.5°	3569.9	3568.1	3584.8	3590.4	3566.2	3597.9	3624.0
10°	3571.8	3562.5	3577.4	3581.1	3558.7	3592.3	3614.6
12.5°	3584.8	3562.5	3568.1	3568.1	3547.6	3577.4	3601.6
15°	3616.5	3569.9	3562.5	3556.9	3530.8	3558.7	3583.0
17.5°	3651.9	3588.6	3562.5	3543.8	3512.2	3536.4	3562.5
20°	3687.3	3609.0	3566.2	3536.4	3493.5	3515.9	3534.5
22.5°	3704.1	3627.7	3569.9	3525.2	3471.2	3482.4	3502.8
25°	3681.7	3620.2	3562.5	3508.4	3443.2	3445.1	3461.9
27.5°	3599.7	3583.0	3545.7	3491.7	3420.9	3411.5	3424.6
30°	3460.0	3506.6	3508.4	3469.3	3394.8	3376.1	3381.7
32.5°	3264.4	3368.7	3430.2	3422.7	3357.5	3331.4	3335.2
35°	3038.9	3169.3	3303.5	3348.2	3301.6	3281.1	3273.7
37.5°	2768.7	2943.9	3122.8	3232.7	3225.2	3212.2	3204.7
40°	2470.6	2681.2	2893.6	3068.7	3122.8	3122.8	3126.5
42.5°	2152.0	2398.0	2630.9	2852.6	2979.3	3007.2	3018.4
45°	1844.6	2092.4	2345.8	2601.0	2770.6	2858.2	2889.8
47.5°	1565.1	1814.8	2055.1	2334.6	2560.1	2673.7	2724.0
50°	1326.6	1512.9	1766.3	2043.9	2289.9	2429.6	2528.4
52.5°	1129.1	1274.4	1496.2	1755.1	2003.0	2194.9	2286.2
55°	963.3	1062.0	1250.2	1473.8	1710.4	1909.8	2016.0
57.5°	823.5	901.8	1030.4	1216.7	1416.0	1613.5	1727.2
60°	700.6	754.6	842.2	989.4	1158.9	1328.5	1438.4
62.5°	594.4	629.8	687.5	795.6	927.9	1060.2	1162.6
65°	512.4	527.3	559.0	626.0	726.7	827.3	914.8
67.5°	432.3	441.6	465.8	506.8	557.1	629.8	687.5
70°	372.6	372.6	374.5	398.7	424.8	471.4	512.4
72.5°	324.2	318.6	307.4	313.0	318.6	344.7	370.8
75°	285.1	272.0	253.4	245.9	242.2	245.9	260.9
77.5°	251.5	232.9	210.5	191.9	177.0	171.4	184.5
80°	223.6	201.2	175.1	150.9	126.7	113.7	119.2
82.5°	201.2	173.3	145.3	117.4	89.4	70.8	70.8
85°	177.0	150.9	121.1	91.3	63.3	39.1	35.4
87.5°	160.2	132.3	100.6	72.7	44.7	20.5	11.2
90°	143.5	115.5	85.7	57.8	31.7	9.3	0.0
92.5°	128.6	102.5	74.5	46.6	22.4	5.6	0.0
95°	115.5	91.3	63.3	39.1	18.6	3.7	1.9
97.5°	102.5	80.1	55.9	31.7	13.0	3.7	1.9
100°	93.2	70.8	48.4	26.1	11.2	1.9	1.9
102.5°	82.0	63.3	41.0	22.4	9.3	1.9	1.9
105°	72.7	55.9	35.4	18.6	7.5	1.9	1.9
107.5°	65.2	48.4	31.7	16.8	7.5	1.9	1.9
110°	57.8	42.9	27.9	14.9	5.6	1.9	1.9



TEST NUMBER: P290209

CATALOG NUMBER: 4SSRK-LC-80-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	52.2	37.3	24.2	13.0	3.7	1.9	1.9
115°	44.7	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	7.5	1.9	1.9	1.9
122.5°	29.8	20.5	13.0	7.5	1.9	1.9	1.9
125°	26.1	18.6	11.2	5.6	1.9	1.9	1.9
127.5°	22.4	14.9	9.3	3.7	1.9	1.9	1.9
130°	18.6	13.0	7.5	3.7	1.9	1.9	1.9
132.5°	14.9	11.2	7.5	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	7.5	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°	7.5	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)