

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: P290216

Luminaire Tested: **8SSRK-LC-40-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: P290216
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-40-L830-CD1-U
Description: 4000 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: 4148.5 lumens
Efficiency: N/A
Efficacy: 153.6 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

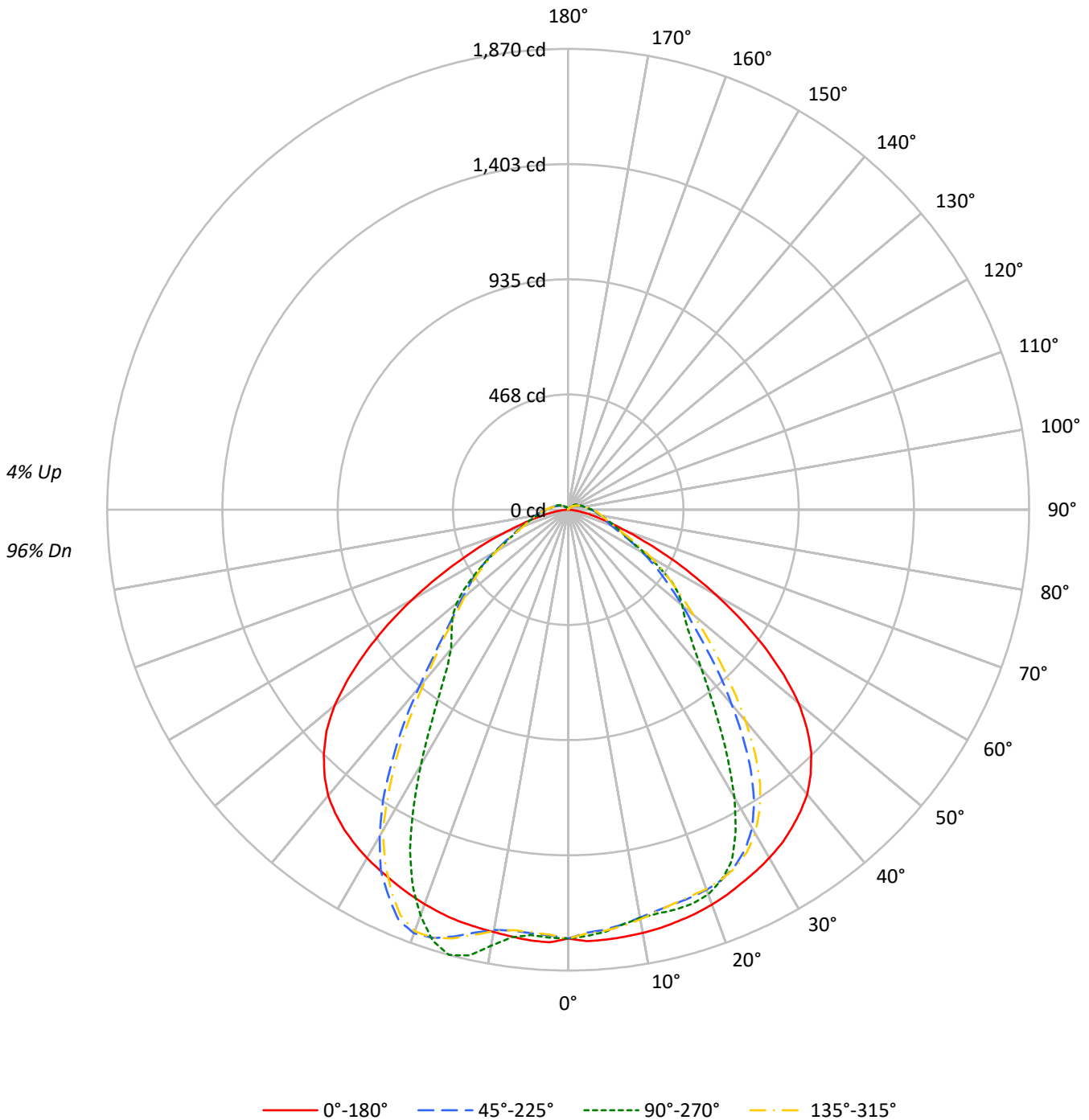
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

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°	56194	56194	56194	56194
5°	56655	41288	56772	41613
10°	56969	32338	56852	34532
15°	57464	27109	57434	30183
20°	58153	23243	58092	24501
25°	58933	19538	58901	18879
30°	60107	15181	60140	13449
35°	61362	11093	61537	9387
40°	62488	8115	62749	7150
45°	62365	6264	62687	6099
50°	59789	5261	60627	5144
55°	53174	4312	54497	3920
60°	43253	3002	45553	2753
65°	32277	2080	34778	1972
70°	22076	1613	24880	1543
75°	14563	1296	16959	1225
80°	9563	1058	11209	974
85°	5117	906	6733	827



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	4.0
10°-20°	491.8	11.9
20°-30°	747.7	18.0
30°-40°	802.1	19.3
40°-50°	696.1	16.8
50°-60°	515.9	12.4
60°-70°	295.6	7.1
70°-80°	163.7	3.9
80°-90°	99.7	2.4
90°-100°	64.8	1.6
100°-110°	43.4	1.0
110°-120°	29.3	0.7
120°-130°	18.0	0.4
130°-140°	9.5	0.2
140°-150°	4.3	0.1
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1404.8	33.9
0°-40°	2206.9	53.2
0°-60°	3418.9	82.4
0°-90°	3977.9	95.9
90°-120°	137.5	3.3
90°-150°	169.3	4.1
90°-180°	171.0	4.1
0°-180°	4148.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1740	1740	1740	1740	1740	
5°	1751	1720	1755	1733	1751	167
15°	1728	1680	1728	1870	1728	489
25°	1670	1571	1669	1518	1670	772
35°	1579	1070	1584	905	1579	989
45°	1394	686	1401	668	1394	1067
55°	973	514	997	467	973	862
65°	441	261	476	247	441	445
75°	126	165	146	156	126	144
85°	17	114	22	104	17	22
90°	0	95	2	88	0	1
95°	1	78	0	75	1	1
105°	1	58	1	56	1	1
115°	1	48	1	43	1	1
125°	1	36	1	30	1	1
135°	1	22	1	19	1	1
145°	1	14	2	11	1	1
155°	2	6	2	5	2	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2
2.5°	1752.8	1748.3	1746.5	1742.9	1745.6	1756.4	1749.2	1737.5	1738.4	1717.7	1728.5
5°	1751.0	1745.6	1742.9	1739.3	1741.1	1751.0	1743.8	1732.1	1731.2	1710.5	1720.4
7.5°	1748.3	1742.9	1738.4	1735.7	1736.6	1744.7	1735.7	1722.2	1719.5	1697.0	1706.0
10°	1743.8	1740.2	1733.9	1729.4	1728.5	1737.5	1723.1	1709.6	1703.3	1680.0	1688.9
12.5°	1737.5	1732.1	1725.8	1717.7	1716.8	1722.2	1710.5	1691.6	1685.4	1666.5	1676.4
15°	1728.5	1722.2	1715.0	1706.0	1701.5	1705.1	1690.7	1673.7	1672.8	1656.6	1670.1
17.5°	1718.6	1709.6	1701.5	1688.9	1682.7	1685.4	1673.7	1658.4	1660.2	1650.3	1665.6
20°	1705.1	1695.2	1682.7	1670.1	1661.1	1665.6	1657.5	1645.8	1648.5	1641.3	1654.8
22.5°	1689.8	1676.4	1661.1	1646.7	1639.5	1645.8	1639.5	1629.6	1630.5	1626.0	1634.1
25°	1670.1	1654.8	1636.8	1618.8	1615.2	1619.7	1616.1	1608.0	1604.5	1597.3	1600.9
27.5°	1652.1	1635.0	1612.5	1593.7	1587.4	1596.4	1588.3	1574.8	1564.9	1555.0	1547.8
30°	1631.4	1610.7	1585.6	1564.0	1558.6	1562.2	1550.5	1529.8	1503.8	1491.2	1471.4
32.5°	1608.9	1582.0	1550.5	1526.3	1522.7	1520.0	1498.4	1468.7	1428.3	1403.1	1372.5
35°	1579.3	1549.6	1511.9	1482.2	1476.8	1461.5	1426.5	1386.9	1334.8	1291.7	1239.5
37.5°	1546.0	1511.0	1471.4	1431.9	1416.6	1386.0	1336.6	1295.2	1216.1	1164.0	1101.1
40°	1508.3	1466.0	1417.5	1369.9	1344.7	1295.2	1238.6	1177.5	1101.1	1031.0	978.0
42.5°	1456.1	1411.2	1353.7	1300.6	1257.5	1191.9	1125.4	1039.1	969.0	909.6	855.7
45°	1394.1	1340.2	1273.7	1209.9	1155.0	1076.8	998.6	912.3	853.9	784.7	747.8
47.5°	1314.1	1255.7	1184.7	1113.7	1041.8	955.5	873.7	791.0	732.6	683.1	656.2
50°	1219.7	1165.8	1087.6	1003.1	924.0	834.1	752.3	690.3	633.7	603.1	582.5
52.5°	1102.9	1052.6	972.6	880.9	804.5	716.4	641.8	591.4	551.0	528.5	521.3
55°	972.6	928.5	849.4	764.0	685.8	604.9	548.3	504.3	478.2	464.7	465.6
57.5°	833.2	799.1	724.5	648.1	574.4	513.2	462.0	427.0	407.2	406.3	409.0
60°	693.9	668.7	604.0	538.4	473.7	424.3	386.5	362.2	349.7	350.6	349.7
62.5°	560.9	537.5	490.8	436.8	385.6	352.4	318.2	308.3	297.5	296.6	296.6
65°	441.3	423.4	385.6	347.0	308.3	286.7	269.7	258.0	249.9	248.1	249.0
67.5°	331.7	324.5	298.4	272.4	248.1	234.6	220.2	217.5	211.2	211.2	213.0
70°	247.2	241.8	227.4	212.1	202.2	193.3	186.1	186.1	185.2	184.3	188.8
72.5°	178.9	179.8	175.3	163.6	162.7	160.9	159.1	161.8	162.7	165.4	170.8
75°	125.8	128.5	128.5	126.7	130.3	134.8	137.5	142.0	147.4	151.0	157.3
77.5°	89.0	89.0	93.5	98.9	106.1	114.2	121.3	127.6	134.8	139.3	144.7
80°	57.5	60.2	67.4	77.3	87.2	98.0	107.9	116.0	123.1	130.3	133.9
82.5°	34.2	38.7	47.6	60.2	72.8	86.3	96.2	106.1	114.2	121.3	124.0
85°	17.1	23.4	34.2	47.6	61.1	75.5	88.1	97.1	106.1	112.4	116.0
87.5°	5.4	12.6	24.3	36.9	51.2	65.6	79.1	89.0	97.1	102.5	106.1
90°	0.0	6.3	17.1	30.6	44.0	58.4	71.0	81.8	89.9	94.4	97.1
92.5°	0.0	3.6	13.5	25.2	37.8	52.1	64.7	74.6	81.8	86.3	88.1
95°	0.9	2.7	9.9	20.7	33.3	46.7	58.4	67.4	74.6	79.1	80.0
97.5°	0.9	1.8	8.1	17.1	28.8	41.3	53.0	62.0	67.4	71.9	72.8
100°	0.9	1.8	6.3	15.3	25.2	36.9	47.6	55.7	62.0	65.6	66.5
102.5°	0.9	0.9	5.4	12.6	22.5	32.4	42.2	50.3	55.7	59.3	61.1
105°	0.9	0.9	4.5	10.8	19.8	28.8	37.8	45.8	50.3	53.9	55.7
107.5°	0.9	0.9	3.6	9.0	17.1	25.2	34.2	40.4	45.8	49.4	51.2
110°	0.9	0.9	2.7	8.1	14.4	22.5	29.7	36.0	41.3	44.9	46.7



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.9	0.9	2.7	7.2	12.6	19.8	26.1	32.4	36.9	40.4	43.1
115°	0.9	0.9	2.7	6.3	11.7	17.1	23.4	28.8	33.3	36.9	39.5
117.5°	0.9	0.9	2.7	5.4	9.9	15.3	20.7	26.1	29.7	33.3	36.0
120°	0.9	0.9	1.8	4.5	9.0	13.5	18.0	22.5	27.0	30.6	33.3
122.5°	0.9	0.9	1.8	4.5	7.2	11.7	16.2	19.8	24.3	27.0	29.7
125°	0.9	0.9	1.8	3.6	6.3	10.8	14.4	18.0	20.7	24.3	27.0
127.5°	0.9	0.9	1.8	3.6	5.4	9.0	12.6	16.2	18.9	21.6	23.4
130°	0.9	0.9	1.8	2.7	4.5	7.2	10.8	13.5	17.1	18.9	20.7
132.5°	0.9	0.9	0.9	2.7	3.6	5.4	8.1	11.7	14.4	17.1	18.0
135°	0.9	0.9	0.9	1.8	3.6	4.5	6.3	9.0	11.7	14.4	16.2
137.5°	0.9	0.9	0.9	1.8	2.7	4.5	5.4	7.2	9.9	11.7	14.4
140°	0.9	0.9	0.9	1.8	2.7	3.6	4.5	6.3	8.1	9.9	11.7
142.5°	0.9	0.9	0.9	1.8	1.8	2.7	3.6	5.4	6.3	8.1	9.9
145°	0.9	0.9	0.9	1.8	1.8	2.7	3.6	4.5	5.4	6.3	8.1
147.5°	0.9	0.9	0.9	1.8	1.8	1.8	2.7	3.6	4.5	5.4	6.3
150°	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	3.6	4.5	5.4
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7	3.6	4.5
155°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	3.6	3.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2
2.5°	1724.9	1726.7	1737.5	1736.6	1734.8	1733.0	1733.0	1731.2	1733.0	1737.5	1735.7
5°	1715.9	1718.6	1726.7	1725.8	1724.0	1723.1	1722.2	1719.5	1721.3	1727.6	1725.8
7.5°	1699.7	1702.4	1709.6	1706.0	1703.3	1705.1	1700.6	1697.9	1701.5	1707.8	1706.9
10°	1682.7	1684.5	1693.4	1691.6	1687.1	1688.0	1683.6	1681.8	1686.2	1689.8	1690.7
12.5°	1671.0	1677.3	1685.4	1684.5	1683.6	1684.5	1680.0	1678.2	1680.9	1684.5	1683.6
15°	1668.3	1676.4	1685.4	1685.4	1686.2	1687.1	1682.7	1680.0	1682.7	1685.4	1684.5
17.5°	1665.6	1675.5	1683.6	1682.7	1683.6	1685.4	1678.2	1676.4	1680.0	1683.6	1681.8
20°	1656.6	1665.6	1671.0	1669.2	1669.2	1670.1	1661.1	1661.1	1666.5	1669.2	1670.1
22.5°	1631.4	1642.2	1642.2	1637.7	1637.7	1634.1	1631.4	1626.0	1632.3	1636.8	1640.4
25°	1593.7	1598.2	1592.8	1582.9	1577.5	1573.0	1560.4	1571.2	1571.2	1584.7	1589.2
27.5°	1540.6	1530.7	1515.5	1494.8	1490.3	1475.9	1467.8	1470.5	1475.0	1493.9	1508.3
30°	1453.4	1423.8	1397.7	1388.7	1369.0	1354.6	1340.2	1347.4	1355.5	1366.3	1395.9
32.5°	1338.4	1309.6	1267.4	1252.1	1231.4	1213.5	1196.4	1207.2	1221.5	1228.7	1261.1
35°	1206.3	1172.1	1133.5	1107.4	1085.8	1075.9	1054.4	1069.6	1084.9	1090.3	1118.2
37.5°	1066.0	1031.0	996.8	974.4	953.7	947.4	933.0	943.8	955.5	963.6	986.9
40°	933.0	900.7	874.6	859.3	844.9	839.5	834.1	838.6	847.6	853.9	871.9
42.5°	818.9	792.8	774.8	765.8	755.9	748.7	749.6	751.4	755.9	769.4	777.5
45°	719.1	703.8	692.1	690.3	684.0	683.1	682.2	685.8	688.5	696.6	702.9
47.5°	639.1	632.8	630.1	633.7	636.4	632.8	634.6	639.1	644.5	644.5	643.6
50°	576.2	578.0	581.6	589.6	595.0	596.8	598.6	604.0	604.9	606.7	604.0
52.5°	524.9	526.7	536.6	549.2	555.5	558.2	561.8	567.2	567.2	569.0	565.4
55°	472.8	475.5	485.4	498.0	503.4	507.0	510.5	514.1	516.8	520.4	517.7
57.5°	415.3	423.4	429.7	433.2	436.8	439.5	442.2	443.1	448.5	449.4	453.9
60°	354.1	355.9	362.2	361.3	358.6	365.8	362.2	368.5	374.8	382.9	383.8
62.5°	295.7	296.6	301.1	299.3	302.9	302.0	304.7	304.7	309.2	312.8	317.3
65°	249.9	250.8	254.4	254.4	253.5	256.2	258.9	260.7	260.7	263.4	267.0
67.5°	215.7	218.4	222.0	223.8	225.6	225.6	228.3	229.2	231.0	231.9	233.7
70°	192.4	196.0	199.5	201.3	202.2	204.0	204.9	204.9	206.7	207.6	209.4
72.5°	175.3	178.9	181.6	181.6	183.4	184.3	184.3	185.2	186.1	187.9	189.7
75°	160.9	163.6	165.4	164.5	164.5	164.5	165.4	165.4	167.2	169.0	170.8
77.5°	147.4	150.1	150.1	148.3	148.3	148.3	148.3	149.2	150.1	151.9	153.7
80°	137.5	137.5	136.6	136.6	134.8	133.9	133.9	134.8	134.8	136.6	139.3
82.5°	126.7	126.7	125.8	124.9	124.0	123.1	123.1	124.0	124.9	125.8	127.6
85°	116.9	116.9	115.1	115.1	114.2	114.2	114.2	114.2	115.1	116.0	117.7
87.5°	107.0	106.1	105.2	104.3	104.3	104.3	104.3	104.3	105.2	107.0	107.9
90°	97.1	96.2	95.3	95.3	94.4	94.4	95.3	95.3	96.2	97.1	98.0
92.5°	88.1	87.2	86.3	86.3	85.4	85.4	86.3	85.4	87.2	87.2	88.1
95°	80.0	79.1	78.2	78.2	78.2	78.2	78.2	78.2	79.1	79.1	80.0
97.5°	72.8	71.9	71.0	71.0	71.9	71.0	71.9	71.9	71.9	72.8	73.7
100°	66.5	65.6	65.6	66.5	65.6	65.6	66.5	66.5	66.5	66.5	67.4
102.5°	61.1	61.1	61.1	61.1	61.1	61.1	62.0	62.0	62.0	62.0	62.9
105°	55.7	56.6	56.6	56.6	57.5	57.5	57.5	58.4	58.4	58.4	58.4
107.5°	52.1	53.0	53.0	53.9	53.9	54.8	54.8	54.8	54.8	55.7	55.7
110°	48.5	49.4	50.3	51.2	51.2	52.1	52.1	52.1	52.1	52.1	52.1



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	44.9	45.8	46.7	48.5	49.4	49.4	49.4	49.4	50.3	50.3	49.4
115°	41.3	43.1	44.0	45.8	46.7	46.7	47.6	47.6	47.6	47.6	46.7
117.5°	37.8	40.4	41.3	43.1	44.0	44.0	44.9	44.9	44.9	44.9	44.0
120°	35.1	36.9	38.7	39.5	40.4	41.3	41.3	42.2	42.2	42.2	41.3
122.5°	32.4	34.2	36.0	36.9	37.8	38.7	38.7	38.7	38.7	38.7	38.7
125°	28.8	30.6	32.4	33.3	34.2	35.1	35.1	36.0	36.0	36.0	35.1
127.5°	26.1	27.9	28.8	30.6	31.5	31.5	32.4	32.4	32.4	32.4	31.5
130°	22.5	24.3	26.1	27.0	27.9	27.9	28.8	28.8	28.8	28.8	28.8
132.5°	19.8	21.6	22.5	24.3	24.3	25.2	25.2	26.1	26.1	26.1	25.2
135°	18.0	18.9	19.8	21.6	21.6	22.5	22.5	22.5	22.5	22.5	22.5
137.5°	16.2	17.1	18.0	18.9	18.9	19.8	19.8	19.8	19.8	20.7	19.8
140°	13.5	15.3	16.2	16.2	17.1	17.1	17.1	18.0	18.0	18.0	17.1
142.5°	11.7	12.6	13.5	14.4	15.3	15.3	15.3	15.3	16.2	15.3	15.3
145°	9.0	10.8	11.7	12.6	13.5	13.5	13.5	13.5	13.5	13.5	13.5
147.5°	7.2	8.1	9.9	10.8	10.8	11.7	11.7	11.7	11.7	11.7	11.7
150°	6.3	6.3	8.1	9.0	9.9	9.9	9.9	9.9	9.9	9.9	9.9
152.5°	4.5	5.4	6.3	7.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1
155°	4.5	4.5	5.4	5.4	6.3	6.3	6.3	6.3	7.2	6.3	6.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2
2.5°	1733.0	1732.1	1735.7	1732.1	1714.1	1721.3	1718.6	1728.5	1729.4	1732.1	1741.1
5°	1724.0	1724.0	1728.5	1724.9	1707.8	1715.0	1714.1	1724.0	1725.8	1727.6	1737.5
7.5°	1706.0	1706.9	1713.2	1710.5	1692.5	1703.3	1702.4	1714.1	1717.7	1721.3	1730.3
10°	1688.9	1688.0	1695.2	1692.5	1675.5	1688.0	1687.1	1698.8	1704.2	1710.5	1721.3
12.5°	1680.0	1677.3	1680.0	1677.3	1658.4	1668.3	1669.2	1682.7	1688.9	1697.0	1709.6
15°	1680.0	1675.5	1675.5	1670.1	1648.5	1654.8	1655.7	1664.7	1672.8	1680.9	1696.1
17.5°	1678.2	1673.7	1672.8	1668.3	1644.9	1644.9	1644.0	1650.3	1654.8	1662.9	1679.1
20°	1668.3	1666.5	1665.6	1662.9	1641.3	1637.7	1635.9	1635.9	1638.6	1641.3	1657.5
22.5°	1642.2	1644.0	1645.8	1647.6	1630.5	1624.2	1625.1	1623.3	1620.6	1620.6	1634.1
25°	1593.7	1602.7	1609.8	1617.9	1608.0	1603.6	1608.9	1606.3	1601.8	1598.2	1609.8
27.5°	1516.4	1535.2	1550.5	1570.3	1571.2	1567.6	1582.0	1580.2	1579.3	1573.9	1582.9
30°	1409.4	1439.1	1459.7	1488.5	1512.8	1516.4	1540.6	1544.2	1547.8	1545.1	1554.1
32.5°	1280.0	1320.4	1355.5	1400.4	1423.8	1444.5	1478.6	1493.0	1507.4	1511.9	1521.8
35°	1138.8	1184.7	1226.0	1275.5	1312.3	1357.3	1398.6	1420.2	1452.5	1465.1	1479.5
37.5°	1004.9	1048.1	1088.5	1137.9	1197.3	1244.0	1295.2	1343.8	1387.8	1405.8	1427.4
40°	886.3	921.3	960.0	1003.1	1057.1	1118.2	1173.9	1241.3	1293.5	1329.4	1360.9
42.5°	796.4	813.5	846.7	885.4	928.5	990.5	1047.2	1122.7	1185.6	1236.8	1289.0
45°	716.4	724.5	748.7	769.4	813.5	868.3	928.5	1002.2	1067.8	1133.5	1196.4
47.5°	648.1	658.0	669.6	682.2	713.7	759.5	811.7	878.2	943.8	1020.2	1092.1
50°	602.2	604.9	606.7	612.1	631.0	662.5	704.7	761.3	824.2	906.0	982.4
52.5°	561.8	561.8	556.4	553.7	560.9	580.7	604.9	645.4	710.1	785.6	866.5
55°	518.6	510.5	508.8	499.8	501.6	510.5	522.2	553.7	606.7	671.4	749.6
57.5°	458.4	454.8	454.8	451.2	444.0	448.5	451.2	473.7	511.4	567.2	635.5
60°	389.2	387.4	391.9	392.8	386.5	389.2	388.3	401.8	428.8	473.7	530.3
62.5°	320.0	328.1	329.0	332.6	329.0	328.1	332.6	344.3	357.7	391.9	435.9
65°	268.8	273.3	274.2	278.6	276.8	276.8	280.4	289.4	297.5	320.9	355.0
67.5°	235.5	233.7	234.6	237.3	234.6	233.7	236.4	241.8	248.1	262.5	286.7
70°	209.4	207.6	207.6	207.6	204.0	201.3	202.2	204.0	206.7	214.8	230.1
72.5°	189.7	189.7	187.0	184.3	181.6	179.8	178.0	176.2	175.3	178.0	186.1
75°	171.7	172.6	171.7	169.0	165.4	161.8	158.2	154.6	150.1	148.3	149.2
77.5°	155.5	156.4	157.3	156.4	152.8	148.3	142.9	137.5	131.2	124.9	121.3
80°	141.1	142.9	143.8	142.9	140.2	136.6	130.3	124.0	115.1	107.0	98.0
82.5°	128.5	131.2	132.1	132.1	130.3	126.7	119.5	112.4	102.5	91.7	80.0
85°	118.6	120.4	122.2	122.2	121.3	117.7	110.6	102.5	92.6	80.0	67.4
87.5°	108.8	109.7	111.5	113.3	111.5	107.9	101.6	92.6	82.7	70.1	55.7
90°	98.9	99.8	101.6	103.4	102.5	98.9	93.5	85.4	74.6	61.1	46.7
92.5°	89.0	90.8	91.7	92.6	93.5	90.8	86.3	78.2	67.4	53.9	40.4
95°	81.8	81.8	83.6	84.5	85.4	82.7	79.1	71.0	61.1	48.5	35.1
97.5°	74.6	74.6	76.4	76.4	77.3	75.5	71.9	64.7	54.8	43.1	29.7
100°	67.4	68.3	69.2	70.1	70.1	69.2	65.6	58.4	49.4	38.7	26.1
102.5°	62.9	62.9	63.8	63.8	64.7	62.9	59.3	53.0	44.0	34.2	22.5
105°	58.4	58.4	59.3	59.3	58.4	56.6	53.0	47.6	39.5	29.7	19.8
107.5°	54.8	54.8	54.8	54.8	53.9	52.1	48.5	42.2	35.1	27.0	18.0
110°	52.1	51.2	51.2	50.3	49.4	46.7	43.1	37.8	31.5	23.4	15.3



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	49.4	48.5	47.6	46.7	44.9	42.2	38.7	34.2	27.9	20.7	13.5
115°	46.7	45.8	44.9	43.1	41.3	38.7	35.1	30.6	24.3	18.0	11.7
117.5°	44.0	43.1	41.3	39.5	37.8	35.1	31.5	27.0	21.6	16.2	10.8
120°	40.4	39.5	38.7	36.9	35.1	31.5	27.9	24.3	18.9	14.4	9.0
122.5°	37.8	36.9	35.1	34.2	31.5	28.8	25.2	21.6	17.1	12.6	8.1
125°	34.2	33.3	32.4	30.6	28.8	25.2	22.5	18.9	15.3	10.8	6.3
127.5°	31.5	30.6	28.8	27.0	25.2	22.5	19.8	17.1	13.5	9.0	6.3
130°	27.9	27.0	26.1	24.3	22.5	19.8	18.0	14.4	11.7	8.1	5.4
132.5°	24.3	24.3	23.4	21.6	19.8	18.0	15.3	12.6	9.9	7.2	4.5
135°	22.5	21.6	20.7	18.9	18.0	15.3	13.5	10.8	8.1	6.3	3.6
137.5°	19.8	18.9	18.0	17.1	15.3	13.5	11.7	9.0	7.2	5.4	3.6
140°	17.1	16.2	16.2	14.4	13.5	11.7	9.9	8.1	6.3	4.5	2.7
142.5°	15.3	14.4	13.5	12.6	11.7	9.9	8.1	6.3	5.4	3.6	2.7
145°	13.5	12.6	11.7	10.8	9.9	8.1	7.2	5.4	4.5	3.6	2.7
147.5°	10.8	10.8	9.9	9.0	8.1	7.2	6.3	5.4	3.6	2.7	1.8
150°	9.0	9.0	8.1	7.2	7.2	6.3	5.4	4.5	3.6	2.7	1.8
152.5°	8.1	7.2	7.2	6.3	6.3	5.4	4.5	3.6	2.7	2.7	1.8
155°	6.3	6.3	6.3	5.4	5.4	4.5	3.6	3.6	2.7	1.8	1.8
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: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2
2.5°	1742.9	1732.1	1741.1	1757.3	1755.5	1753.7	1751.9	1755.5	1767.1	1760.9	1751.0
5°	1740.2	1729.4	1739.3	1754.6	1753.7	1751.0	1749.2	1752.8	1764.4	1758.2	1747.4
7.5°	1734.8	1724.9	1732.1	1747.4	1747.4	1745.6	1743.8	1747.4	1758.2	1752.8	1742.0
10°	1725.8	1718.6	1725.8	1740.2	1741.1	1737.5	1735.7	1740.2	1751.0	1748.3	1739.3
12.5°	1718.6	1711.4	1719.5	1733.9	1734.8	1731.2	1728.5	1733.9	1748.3	1750.1	1747.4
15°	1708.7	1702.4	1712.3	1727.6	1727.6	1724.9	1724.9	1732.1	1751.9	1760.0	1764.4
17.5°	1694.3	1689.8	1701.5	1716.8	1717.7	1715.9	1716.8	1731.2	1757.3	1777.0	1789.6
20°	1676.4	1674.6	1687.1	1703.3	1706.0	1706.9	1711.4	1733.0	1768.9	1795.9	1808.5
22.5°	1654.8	1655.7	1670.1	1687.1	1690.7	1693.4	1702.4	1733.0	1777.9	1806.7	1812.1
25°	1630.5	1633.2	1648.5	1669.2	1673.7	1679.1	1694.3	1733.9	1780.6	1799.5	1790.5
27.5°	1604.5	1609.8	1629.6	1651.2	1656.6	1665.6	1685.4	1728.5	1768.0	1768.9	1735.7
30°	1577.5	1583.8	1607.2	1632.3	1641.3	1650.3	1674.6	1715.9	1737.5	1708.7	1650.3
32.5°	1546.9	1555.9	1579.3	1609.8	1620.6	1632.3	1656.6	1691.6	1683.6	1621.5	1537.9
35°	1508.3	1520.9	1547.8	1583.8	1593.7	1608.9	1626.0	1634.1	1598.2	1510.1	1415.7
37.5°	1460.6	1479.5	1511.0	1552.3	1563.1	1573.0	1577.5	1555.0	1483.1	1387.8	1289.9
40°	1405.8	1434.6	1468.7	1514.6	1525.4	1525.4	1509.2	1461.5	1370.8	1245.8	1137.0
42.5°	1339.3	1374.3	1417.5	1463.3	1474.1	1461.5	1422.9	1339.3	1235.9	1096.6	981.5
45°	1258.4	1305.1	1353.7	1401.3	1406.7	1378.8	1309.6	1203.6	1075.9	946.5	836.8
47.5°	1162.2	1223.3	1276.4	1330.3	1323.1	1276.4	1183.8	1063.3	928.5	806.3	718.2
50°	1054.4	1126.3	1185.6	1236.8	1221.5	1156.8	1048.1	922.2	788.3	684.0	611.2
52.5°	939.3	1022.0	1081.3	1122.7	1102.0	1024.7	905.1	784.7	675.0	579.8	531.2
55°	819.8	903.3	964.5	996.8	969.9	886.3	768.5	658.9	555.5	493.5	464.7
57.5°	703.8	782.0	839.5	865.6	831.4	747.8	639.1	546.5	471.9	419.8	405.4
60°	592.3	656.2	711.0	730.8	693.9	616.6	523.1	449.4	394.6	358.6	351.5
62.5°	489.0	541.1	584.3	599.5	563.6	503.4	422.5	367.6	329.0	311.0	302.0
65°	403.6	434.1	478.2	475.5	453.9	398.2	338.9	300.2	275.0	263.4	258.0
67.5°	317.3	345.2	373.0	376.6	349.7	311.0	272.4	244.5	231.0	224.7	222.0
70°	245.4	266.1	283.1	278.6	264.3	240.0	215.7	200.4	195.1	192.4	192.4
72.5°	190.6	201.3	209.4	204.0	195.1	182.5	170.8	164.5	165.4	167.2	169.0
75°	147.4	150.1	151.9	146.5	144.7	136.6	135.7	136.6	142.0	147.4	150.1
77.5°	113.3	109.7	107.0	101.6	102.5	101.6	106.1	113.3	121.3	129.4	136.6
80°	87.2	79.1	72.8	67.4	70.1	74.6	83.6	94.4	105.2	114.2	123.1
82.5°	67.4	55.7	46.7	41.3	46.7	53.9	65.6	79.1	91.7	101.6	111.5
85°	52.1	38.7	27.9	22.5	27.9	38.7	51.2	66.5	80.0	90.8	100.7
87.5°	40.4	27.9	15.3	9.0	15.3	27.0	41.3	55.7	69.2	81.8	91.7
90°	32.4	18.9	7.2	1.8	8.1	18.9	32.4	46.7	60.2	73.7	83.6
92.5°	26.1	13.5	3.6	0.0	4.5	14.4	27.0	40.4	53.9	66.5	76.4
95°	21.6	10.8	2.7	0.0	3.6	10.8	21.6	35.1	47.6	60.2	68.3
97.5°	18.0	8.1	1.8	0.0	1.8	9.0	18.0	29.7	42.2	53.9	62.0
100°	15.3	7.2	1.8	0.0	1.8	7.2	15.3	26.1	36.9	47.6	55.7
102.5°	12.6	5.4	0.9	0.9	0.9	5.4	13.5	22.5	32.4	42.2	50.3
105°	11.7	4.5	0.9	0.9	0.9	4.5	11.7	19.8	28.8	37.8	44.9
107.5°	9.9	3.6	0.9	0.9	0.9	3.6	9.9	17.1	26.1	34.2	40.4
110°	8.1	3.6	0.9	0.9	0.9	3.6	8.1	15.3	22.5	29.7	36.0



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	7.2	2.7	0.9	0.9	0.9	2.7	7.2	13.5	19.8	27.0	32.4
115°	6.3	2.7	0.9	0.9	0.9	2.7	6.3	11.7	17.1	23.4	28.8
117.5°	5.4	2.7	0.9	0.9	0.9	1.8	5.4	9.9	15.3	20.7	26.1
120°	4.5	1.8	0.9	0.9	0.9	1.8	4.5	9.0	13.5	18.0	22.5
122.5°	4.5	1.8	0.9	0.9	0.9	1.8	3.6	7.2	11.7	15.3	19.8
125°	3.6	1.8	0.9	0.9	0.9	0.9	3.6	6.3	9.9	13.5	17.1
127.5°	3.6	1.8	0.9	0.9	0.9	0.9	2.7	5.4	8.1	11.7	15.3
130°	2.7	1.8	0.9	0.9	0.9	0.9	1.8	4.5	7.2	9.9	12.6
132.5°	2.7	1.8	0.9	0.9	0.9	0.9	1.8	3.6	5.4	8.1	10.8
135°	2.7	0.9	0.9	0.9	0.9	0.9	0.9	2.7	4.5	6.3	8.1
137.5°	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	3.6	4.5	7.2
140°	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.6	5.4
142.5°	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	4.5
145°	1.8	0.9	0.9	1.8	1.8	0.9	0.9	1.8	1.8	2.7	3.6
147.5°	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.7
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2
2.5°	1749.2	1728.5	1739.3	1735.7	1739.3	1748.3	1747.4	1744.7	1746.5	1742.0	1737.5
5°	1745.6	1724.9	1735.7	1731.2	1735.7	1744.7	1742.9	1740.2	1742.9	1737.5	1733.0
7.5°	1741.1	1722.2	1734.8	1733.9	1742.0	1753.7	1754.6	1754.6	1760.9	1752.8	1749.2
10°	1741.1	1731.2	1748.3	1754.6	1775.2	1790.5	1792.3	1795.9	1806.7	1804.9	1795.9
12.5°	1760.0	1758.2	1783.3	1798.6	1817.5	1839.1	1850.7	1854.3	1861.5	1856.1	1852.5
15°	1784.2	1793.2	1821.1	1838.2	1858.8	1875.0	1877.7	1879.5	1884.9	1876.8	1870.5
17.5°	1816.6	1822.0	1844.4	1851.6	1865.1	1867.8	1864.2	1855.2	1855.2	1837.3	1831.9
20°	1831.9	1829.2	1838.2	1826.5	1821.1	1804.9	1789.6	1772.5	1771.6	1752.8	1751.0
22.5°	1818.4	1800.4	1781.5	1752.8	1740.2	1716.8	1696.1	1686.2	1680.0	1655.7	1649.4
25°	1770.7	1726.7	1698.8	1664.7	1634.1	1607.2	1587.4	1566.7	1546.9	1527.2	1518.2
27.5°	1688.0	1646.7	1601.8	1554.1	1511.9	1470.5	1437.3	1416.6	1397.7	1371.7	1358.2
30°	1586.5	1529.0	1479.5	1433.7	1364.5	1314.1	1286.3	1244.9	1230.5	1218.8	1193.7
32.5°	1466.9	1397.7	1330.3	1268.3	1197.3	1150.5	1113.7	1083.1	1074.1	1043.6	1036.4
35°	1334.8	1244.0	1167.6	1106.5	1055.3	998.6	968.1	947.4	929.4	908.7	905.1
37.5°	1179.3	1097.5	1011.2	957.3	916.8	868.3	844.9	830.5	822.5	807.2	804.5
40°	1022.9	941.1	881.8	827.8	802.7	776.6	759.5	753.2	749.6	744.3	738.9
42.5°	880.9	809.0	766.7	730.8	720.0	707.4	702.9	706.5	702.9	701.1	700.2
45°	760.4	705.6	675.9	665.2	662.5	658.9	662.5	668.7	669.6	667.8	667.8
47.5°	650.8	624.7	612.1	613.9	618.4	621.1	627.4	635.5	637.3	632.8	634.6
50°	578.9	563.6	560.9	568.1	578.0	581.6	588.7	595.0	594.1	592.3	590.5
52.5°	511.4	507.0	514.1	521.3	532.1	533.9	536.6	539.3	538.4	534.8	533.0
55°	454.8	458.4	464.7	467.4	475.5	474.6	475.5	475.5	471.9	470.1	467.4
57.5°	403.6	404.5	408.1	409.0	413.5	411.7	410.8	409.0	403.6	402.7	400.0
60°	351.5	349.7	357.7	351.5	355.0	351.5	350.6	346.1	340.7	339.8	338.0
62.5°	302.0	298.4	303.8	301.1	302.9	299.3	297.5	292.1	287.6	286.7	285.8
65°	258.0	256.2	261.6	260.7	262.5	258.0	256.2	252.6	249.0	248.1	247.2
67.5°	221.1	225.6	228.3	228.3	230.1	229.2	224.7	223.8	222.9	219.3	219.3
70°	194.2	196.8	202.2	203.1	202.2	204.0	200.4	199.5	198.6	196.8	196.0
72.5°	172.6	176.2	181.6	182.5	181.6	181.6	179.8	178.9	178.9	176.2	176.2
75°	155.5	160.0	164.5	164.5	164.5	162.7	160.9	160.9	159.1	158.2	156.4
77.5°	141.1	146.5	150.1	149.2	148.3	146.5	146.5	143.8	141.1	141.1	139.3
80°	130.3	133.9	136.6	135.7	134.8	132.1	131.2	128.5	126.7	124.0	124.0
82.5°	118.6	123.1	124.9	124.0	122.2	119.5	118.6	116.9	115.1	114.2	112.4
85°	108.8	113.3	114.2	112.4	110.6	108.8	107.9	107.0	106.1	104.3	104.3
87.5°	98.9	103.4	103.4	102.5	100.7	99.8	98.9	98.0	97.1	96.2	95.3
90°	90.8	94.4	94.4	93.5	92.6	91.7	90.8	89.9	89.0	88.1	88.1
92.5°	82.7	86.3	86.3	85.4	84.5	83.6	83.6	82.7	81.8	80.9	80.0
95°	75.5	79.1	79.1	79.1	78.2	77.3	77.3	76.4	75.5	75.5	74.6
97.5°	68.3	71.9	71.9	71.9	71.0	70.1	70.1	69.2	69.2	69.2	68.3
100°	62.0	64.7	65.6	65.6	64.7	64.7	64.7	63.8	63.8	63.8	62.9
102.5°	55.7	58.4	60.2	60.2	60.2	59.3	59.3	59.3	59.3	59.3	58.4
105°	50.3	53.0	54.8	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
107.5°	45.8	48.5	50.3	51.2	52.1	52.1	53.0	53.0	53.0	53.0	53.0
110°	41.3	44.0	46.7	47.6	48.5	49.4	49.4	50.3	49.4	49.4	49.4



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	36.9	40.4	42.2	44.0	44.9	45.8	46.7	46.7	46.7	46.7	46.7
115°	33.3	36.9	38.7	40.4	42.2	43.1	43.1	44.0	44.0	44.0	43.1
117.5°	29.7	33.3	35.1	36.9	37.8	39.5	40.4	40.4	40.4	40.4	39.5
120°	27.0	29.7	31.5	33.3	35.1	36.0	36.9	36.9	36.9	36.9	36.9
122.5°	23.4	26.1	28.8	30.6	31.5	32.4	33.3	33.3	33.3	33.3	33.3
125°	20.7	23.4	25.2	27.0	27.9	29.7	29.7	29.7	29.7	29.7	29.7
127.5°	18.0	20.7	22.5	24.3	25.2	26.1	27.0	27.0	27.0	27.0	27.0
130°	15.3	18.0	19.8	21.6	22.5	23.4	23.4	24.3	24.3	24.3	24.3
132.5°	13.5	15.3	17.1	18.9	19.8	20.7	20.7	21.6	21.6	21.6	21.6
135°	10.8	13.5	14.4	16.2	17.1	18.0	18.0	18.9	18.9	18.9	18.9
137.5°	9.0	10.8	12.6	14.4	15.3	15.3	16.2	16.2	17.1	17.1	17.1
140°	7.2	8.1	10.8	11.7	12.6	13.5	14.4	14.4	14.4	14.4	14.4
142.5°	5.4	7.2	8.1	9.9	10.8	11.7	12.6	12.6	12.6	12.6	12.6
145°	4.5	5.4	6.3	8.1	9.0	9.9	10.8	10.8	10.8	10.8	10.8
147.5°	3.6	4.5	5.4	6.3	7.2	8.1	9.0	9.0	9.0	9.0	9.0
150°	2.7	3.6	4.5	4.5	5.4	6.3	7.2	8.1	8.1	8.1	8.1
152.5°	2.7	2.7	3.6	3.6	4.5	5.4	6.3	6.3	6.3	6.3	6.3
155°	1.8	2.7	2.7	2.7	3.6	3.6	4.5	5.4	5.4	5.4	5.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2
2.5°	1740.2	1743.8	1742.0	1739.3	1738.4	1742.9	1738.4	1717.7	1725.8	1726.7	1733.0
5°	1737.5	1740.2	1738.4	1736.6	1733.9	1739.3	1733.9	1712.3	1720.4	1721.3	1727.6
7.5°	1755.5	1756.4	1756.4	1751.9	1744.7	1747.4	1740.2	1715.9	1720.4	1720.4	1724.9
10°	1800.4	1802.2	1804.9	1793.2	1784.2	1777.0	1767.1	1737.5	1736.6	1729.4	1729.4
12.5°	1858.8	1854.3	1849.8	1844.4	1837.3	1828.3	1813.9	1778.8	1767.1	1755.5	1743.8
15°	1875.9	1874.1	1873.2	1870.5	1866.0	1863.3	1852.5	1817.5	1800.4	1786.0	1765.3
17.5°	1831.0	1834.6	1846.2	1847.1	1852.5	1863.3	1861.5	1837.3	1822.0	1815.7	1790.5
20°	1750.1	1751.0	1765.3	1771.6	1795.0	1813.0	1826.5	1823.8	1820.2	1827.4	1808.5
22.5°	1653.0	1659.3	1674.6	1684.5	1706.9	1727.6	1749.2	1760.9	1779.7	1809.4	1805.8
25°	1520.9	1529.0	1550.5	1566.7	1598.2	1629.6	1658.4	1679.1	1701.5	1758.2	1777.0
27.5°	1362.7	1375.2	1403.1	1419.3	1463.3	1495.7	1537.0	1577.5	1608.9	1673.7	1712.3
30°	1196.4	1207.2	1236.8	1259.3	1297.0	1341.1	1393.2	1450.7	1502.9	1568.5	1617.0
32.5°	1040.9	1052.6	1076.8	1096.6	1138.8	1175.7	1233.2	1304.2	1352.8	1443.6	1508.3
35°	905.1	915.9	933.0	950.1	985.1	1022.9	1072.3	1141.5	1203.6	1297.9	1379.7
37.5°	809.9	811.7	821.6	831.4	857.5	886.3	924.9	986.0	1043.6	1145.1	1235.0
40°	741.6	741.6	746.9	749.6	761.3	778.4	802.7	850.3	898.0	975.3	1084.9
42.5°	699.3	697.5	697.5	698.4	697.5	705.6	720.0	742.5	784.7	848.5	933.9
45°	667.8	664.3	661.6	655.3	651.7	651.7	652.6	660.7	684.9	726.3	795.5
47.5°	632.8	631.9	627.4	620.2	613.9	609.4	602.2	599.5	606.7	630.1	676.8
50°	592.3	587.9	583.4	578.0	570.8	566.3	552.8	553.7	547.4	558.2	582.5
52.5°	533.0	529.4	527.6	523.1	520.4	518.6	507.9	497.1	494.4	496.2	505.2
55°	467.4	469.2	462.0	465.6	464.7	456.6	452.1	444.0	441.3	440.4	444.9
57.5°	399.1	400.9	396.4	400.0	400.0	395.5	392.8	392.8	386.5	381.1	387.4
60°	337.1	333.5	336.2	340.7	340.7	338.0	336.2	336.2	331.7	329.9	334.4
62.5°	286.7	283.1	285.8	290.3	291.2	289.4	287.6	287.6	282.2	282.2	285.8
65°	248.1	249.0	248.1	251.7	251.7	252.6	250.8	249.0	242.7	245.4	244.5
67.5°	220.2	219.3	219.3	222.9	222.0	223.8	222.0	219.3	214.8	211.2	210.3
70°	196.8	196.0	196.0	197.7	198.6	198.6	197.7	196.0	189.7	186.1	183.4
72.5°	176.2	175.3	176.2	177.1	178.0	178.9	178.0	176.2	170.8	166.3	161.8
75°	157.3	156.4	159.1	159.1	160.0	160.0	160.9	160.0	155.5	150.1	144.7
77.5°	138.4	139.3	142.0	142.9	144.7	145.6	146.5	146.5	142.0	137.5	130.3
80°	123.1	124.9	126.7	127.6	129.4	132.1	133.0	133.9	130.3	125.8	117.7
82.5°	112.4	113.3	115.1	116.0	118.6	119.5	120.4	122.2	120.4	116.0	107.0
85°	103.4	104.3	106.1	106.1	107.9	109.7	110.6	111.5	110.6	106.1	97.1
87.5°	95.3	96.2	97.1	98.0	98.9	99.8	100.7	101.6	100.7	96.2	88.1
90°	88.1	88.1	89.0	89.0	89.9	90.8	92.6	92.6	91.7	88.1	80.0
92.5°	80.0	80.9	80.9	81.8	82.7	83.6	84.5	84.5	83.6	80.0	72.8
95°	74.6	74.6	75.5	75.5	76.4	76.4	77.3	77.3	76.4	72.8	65.6
97.5°	68.3	68.3	68.3	68.3	69.2	69.2	70.1	70.1	69.2	65.6	59.3
100°	62.9	62.9	62.9	62.9	62.9	63.8	63.8	63.8	62.9	59.3	53.0
102.5°	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	56.6	53.9	47.6
105°	55.7	55.7	55.7	54.8	54.8	54.8	53.9	53.9	51.2	48.5	43.1
107.5°	52.1	52.1	52.1	51.2	51.2	50.3	49.4	49.4	46.7	44.0	38.7
110°	49.4	49.4	49.4	48.5	47.6	46.7	45.8	44.9	42.2	38.7	34.2



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	46.7	46.7	45.8	45.8	44.9	44.0	42.2	41.3	38.7	35.1	30.6
115°	43.1	43.1	43.1	42.2	41.3	40.4	39.5	37.8	35.1	31.5	27.0
117.5°	39.5	39.5	39.5	38.7	37.8	36.9	36.0	34.2	31.5	27.9	24.3
120°	36.0	36.0	36.0	35.1	34.2	33.3	32.4	30.6	27.9	25.2	20.7
122.5°	33.3	33.3	32.4	31.5	30.6	29.7	28.8	27.0	25.2	21.6	18.0
125°	29.7	29.7	28.8	28.8	27.9	27.0	26.1	24.3	21.6	18.9	16.2
127.5°	27.0	26.1	26.1	26.1	25.2	24.3	22.5	21.6	18.9	16.2	13.5
130°	23.4	23.4	23.4	22.5	22.5	21.6	19.8	18.0	16.2	14.4	11.7
132.5°	20.7	20.7	20.7	20.7	19.8	18.9	17.1	16.2	14.4	11.7	9.9
135°	18.9	18.9	18.0	18.0	17.1	16.2	15.3	13.5	11.7	9.9	8.1
137.5°	16.2	16.2	16.2	15.3	15.3	14.4	12.6	11.7	10.8	9.0	7.2
140°	14.4	14.4	13.5	13.5	12.6	12.6	11.7	9.9	9.0	7.2	6.3
142.5°	12.6	12.6	11.7	11.7	10.8	10.8	9.9	9.0	7.2	6.3	4.5
145°	10.8	10.8	9.9	9.9	9.9	9.0	8.1	7.2	6.3	5.4	4.5
147.5°	9.0	9.0	9.0	8.1	8.1	7.2	7.2	6.3	5.4	4.5	3.6
150°	8.1	8.1	7.2	7.2	7.2	6.3	5.4	5.4	4.5	3.6	2.7
152.5°	6.3	6.3	6.3	6.3	5.4	5.4	4.5	4.5	3.6	2.7	2.7
155°	5.4	5.4	5.4	4.5	4.5	4.5	3.6	3.6	2.7	2.7	1.8
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: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2	1740.2
2.5°	1730.3	1729.4	1737.5	1736.6	1725.8	1742.0	1752.8
5°	1725.8	1724.9	1732.1	1733.9	1722.2	1739.3	1751.0
7.5°	1722.2	1721.3	1729.4	1732.1	1720.4	1735.7	1748.3
10°	1723.1	1718.6	1725.8	1727.6	1716.8	1733.0	1743.8
12.5°	1729.4	1718.6	1721.3	1721.3	1711.4	1725.8	1737.5
15°	1744.7	1722.2	1718.6	1715.9	1703.3	1716.8	1728.5
17.5°	1761.8	1731.2	1718.6	1709.6	1694.3	1706.0	1718.6
20°	1778.8	1741.1	1720.4	1706.0	1685.4	1696.1	1705.1
22.5°	1786.9	1750.1	1722.2	1700.6	1674.6	1680.0	1689.8
25°	1776.1	1746.5	1718.6	1692.5	1661.1	1662.0	1670.1
27.5°	1736.6	1728.5	1710.5	1684.5	1650.3	1645.8	1652.1
30°	1669.2	1691.6	1692.5	1673.7	1637.7	1628.7	1631.4
32.5°	1574.8	1625.1	1654.8	1651.2	1619.7	1607.2	1608.9
35°	1466.0	1529.0	1593.7	1615.2	1592.8	1582.9	1579.3
37.5°	1335.7	1420.2	1506.5	1559.5	1555.9	1549.6	1546.0
40°	1191.9	1293.5	1395.9	1480.4	1506.5	1506.5	1508.3
42.5°	1038.2	1156.8	1269.2	1376.1	1437.3	1450.7	1456.1
45°	889.9	1009.4	1131.7	1254.8	1336.6	1378.8	1394.1
47.5°	755.0	875.5	991.4	1126.3	1235.0	1289.9	1314.1
50°	640.0	729.9	852.1	986.0	1104.7	1172.1	1219.7
52.5°	544.7	614.8	721.8	846.7	966.3	1058.8	1102.9
55°	464.7	512.3	603.1	711.0	825.1	921.3	972.6
57.5°	397.3	435.0	497.1	587.0	683.1	778.4	833.2
60°	338.0	364.0	406.3	477.3	559.1	640.9	693.9
62.5°	286.7	303.8	331.7	383.8	447.6	511.4	560.9
65°	247.2	254.4	269.7	302.0	350.6	399.1	441.3
67.5°	208.5	213.0	224.7	244.5	268.8	303.8	331.7
70°	179.8	179.8	180.7	192.4	204.9	227.4	247.2
72.5°	156.4	153.7	148.3	151.0	153.7	166.3	178.9
75°	137.5	131.2	122.2	118.6	116.9	118.6	125.8
77.5°	121.3	112.4	101.6	92.6	85.4	82.7	89.0
80°	107.9	97.1	84.5	72.8	61.1	54.8	57.5
82.5°	97.1	83.6	70.1	56.6	43.1	34.2	34.2
85°	85.4	72.8	58.4	44.0	30.6	18.9	17.1
87.5°	77.3	63.8	48.5	35.1	21.6	9.9	5.4
90°	69.2	55.7	41.3	27.9	15.3	4.5	0.0
92.5°	62.0	49.4	36.0	22.5	10.8	2.7	0.0
95°	55.7	44.0	30.6	18.9	9.0	1.8	0.9
97.5°	49.4	38.7	27.0	15.3	6.3	1.8	0.9
100°	44.9	34.2	23.4	12.6	5.4	0.9	0.9
102.5°	39.5	30.6	19.8	10.8	4.5	0.9	0.9
105°	35.1	27.0	17.1	9.0	3.6	0.9	0.9
107.5°	31.5	23.4	15.3	8.1	3.6	0.9	0.9
110°	27.9	20.7	13.5	7.2	2.7	0.9	0.9



TEST NUMBER: P290216

CATALOG NUMBER: 8SSRK-LC-40-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	25.2	18.0	11.7	6.3	1.8	0.9	0.9
115°	21.6	16.2	9.9	5.4	1.8	0.9	0.9
117.5°	18.9	13.5	9.0	4.5	1.8	0.9	0.9
120°	16.2	11.7	7.2	3.6	0.9	0.9	0.9
122.5°	14.4	9.9	6.3	3.6	0.9	0.9	0.9
125°	12.6	9.0	5.4	2.7	0.9	0.9	0.9
127.5°	10.8	7.2	4.5	1.8	0.9	0.9	0.9
130°	9.0	6.3	3.6	1.8	0.9	0.9	0.9
132.5°	7.2	5.4	3.6	1.8	0.9	0.9	0.9
135°	6.3	4.5	2.7	1.8	0.9	0.9	0.9
137.5°	5.4	3.6	1.8	1.8	1.8	0.9	0.9
140°	4.5	2.7	1.8	1.8	1.8	1.8	0.9
142.5°	3.6	2.7	1.8	1.8	1.8	1.8	0.9
145°	2.7	1.8	1.8	1.8	1.8	1.8	0.9
147.5°	2.7	1.8	1.8	1.8	1.8	1.8	0.9
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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)