

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: P290192

Luminaire Tested: **4SSRK-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: P290192  
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-40-L830-CD1-U  
Description: 4000 LUMEN, 4 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: 4175.7 lumens  
Efficiency: N/A  
Efficacy: 150.7 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

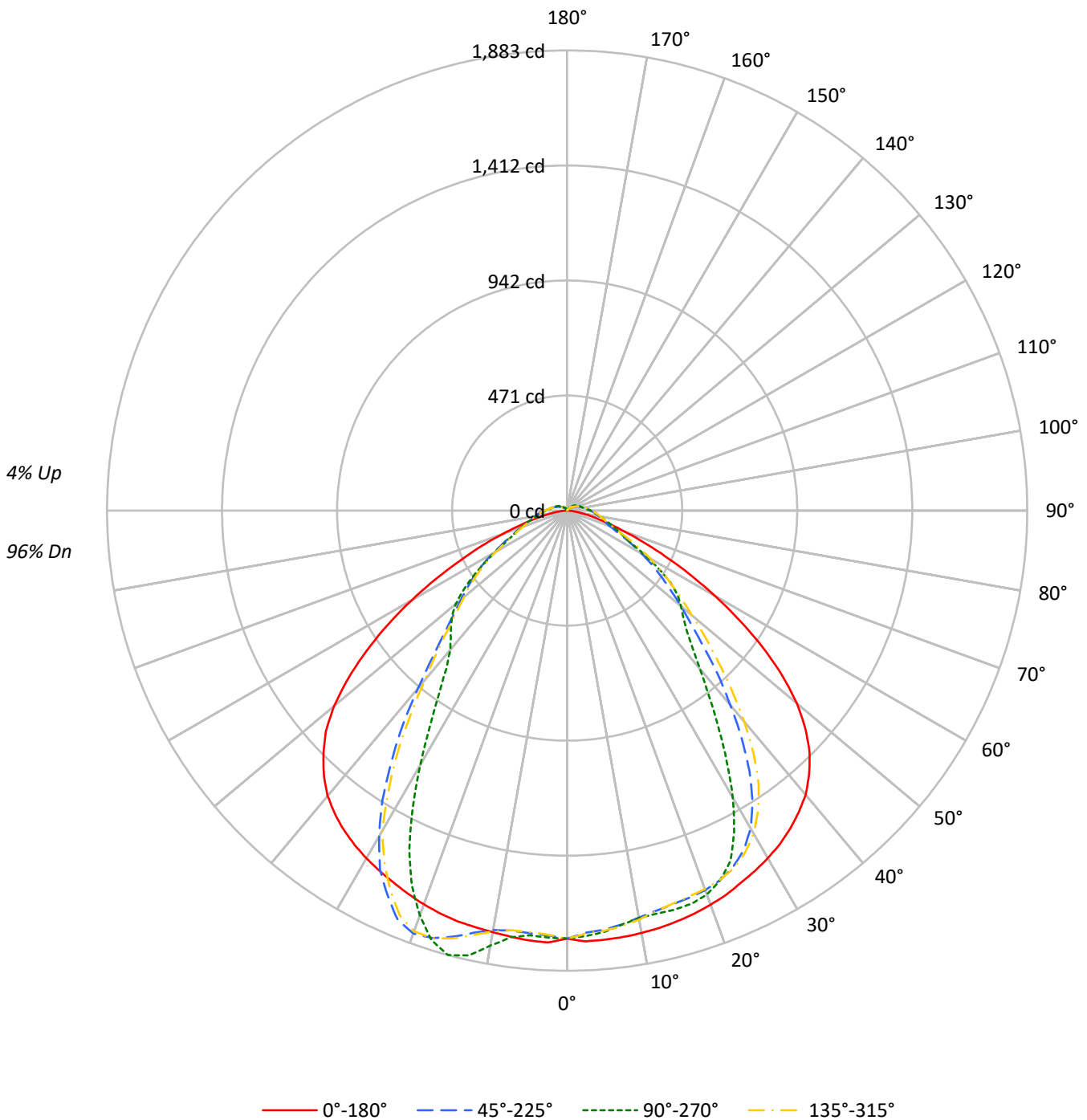
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-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	98	98	98	98	98	98	96		
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	84	88	86	84	88	86	84	82		
2	100	93	86	81	97	90	85	80	86	82	77	82	79	75	79	76	73	79	76	73	79	76	73	71		
3	92	83	75	69	89	81	74	68	77	71	67	74	69	65	71	67	63	71	67	63	71	67	63	61		
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	64	60	56	64	60	56	54		
5	79	67	59	52	76	66	58	52	63	56	51	61	55	50	59	53	49	59	53	49	59	53	49	47		
6	73	61	52	46	71	60	52	46	57	51	45	55	49	45	54	48	44	54	48	44	54	48	44	42		
7	68	55	47	42	66	54	47	41	53	46	41	51	45	40	49	44	40	49	44	40	49	44	40	38		
8	64	51	43	37	62	50	42	37	48	42	37	47	41	36	45	40	36	45	40	36	45	40	36	34		
9	60	47	39	34	58	46	39	34	45	38	33	43	37	33	42	37	33	42	37	33	42	37	33	31		
10	56	43	36	31	54	43	36	31	42	35	30	40	34	30	39	34	30	39	34	30	39	34	30	28		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	113124	113124	113124	113124
5°	113847	83119	114080	83772
10°	114265	65098	114031	69517
15°	115047	54572	114988	60762
20°	116195	46791	116073	49324
25°	117511	39333	117441	38005
30°	119581	30561	119654	27075
35°	121781	22334	122126	18899
40°	123671	16335	124184	14393
45°	123042	12610	123674	12279
50°	117525	10593	119172	10356
55°	104041	8681	106634	7892
60°	84149	6044	88619	5543
65°	62313	4187	67139	3970
70°	42155	3249	47526	3106
75°	27361	2608	31852	2466
80°	17418	2131	20426	1961
85°	8634	1822	11344	1665



TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.4	4.0
10°-20°	495.0	11.9
20°-30°	752.6	18.0
30°-40°	807.4	19.3
40°-50°	700.7	16.8
50°-60°	519.3	12.4
60°-70°	297.5	7.1
70°-80°	164.8	3.9
80°-90°	100.3	2.4
90°-100°	65.2	1.6
100°-110°	43.7	1.0
110°-120°	29.5	0.7
120°-130°	18.1	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°	1414.0	33.9
0°-40°	2221.4	53.2
0°-60°	3441.4	82.4
0°-90°	4004.1	95.9
90°-120°	138.4	3.3
90°-150°	170.4	4.1
90°-180°	172.0	4.1
0°-180°	4175.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1752	1752	1752	1752	1752	
5°	1762	1731	1766	1744	1762	168
15°	1740	1691	1739	1883	1740	492
25°	1681	1582	1680	1528	1681	777
35°	1590	1077	1594	911	1590	995
45°	1403	690	1410	672	1403	1074
55°	979	518	1003	470	979	868
65°	444	262	479	249	444	448
75°	127	166	148	157	127	145
85°	17	115	23	105	17	23
90°	0	96	2	89	0	1
95°	1	79	0	75	1	1
105°	1	59	1	56	1	1
115°	1	48	1	43	1	1
125°	1	36	1	30	1	1
135°	1	23	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	



TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6
2.5°	1764.3	1759.8	1758.0	1754.3	1757.1	1767.9	1760.7	1748.9	1749.8	1729.0	1739.9
5°	1762.5	1757.1	1754.3	1750.7	1752.5	1762.5	1755.2	1743.5	1742.6	1721.8	1731.7
7.5°	1759.8	1754.3	1749.8	1747.1	1748.0	1756.1	1747.1	1733.5	1730.8	1708.2	1717.2
10°	1755.2	1751.6	1745.3	1740.8	1739.9	1748.9	1734.4	1720.9	1714.5	1691.0	1700.1
12.5°	1748.9	1743.5	1737.1	1729.0	1728.1	1733.5	1721.8	1702.8	1696.4	1677.4	1687.4
15°	1739.9	1733.5	1726.3	1717.2	1712.7	1716.3	1701.9	1684.7	1683.8	1667.5	1681.1
17.5°	1729.9	1720.9	1712.7	1700.1	1693.7	1696.4	1684.7	1669.3	1671.1	1661.1	1676.5
20°	1716.3	1706.4	1693.7	1681.1	1672.0	1676.5	1668.4	1656.6	1659.3	1652.1	1665.7
22.5°	1701.0	1687.4	1672.0	1657.5	1650.3	1656.6	1650.3	1640.3	1641.2	1636.7	1644.9
25°	1681.1	1665.7	1647.6	1629.5	1625.9	1630.4	1626.8	1618.6	1615.0	1607.8	1611.4
27.5°	1663.0	1645.8	1623.1	1604.1	1597.8	1606.9	1598.7	1585.1	1575.2	1565.2	1558.0
30°	1642.1	1621.3	1596.0	1574.3	1568.9	1572.5	1560.7	1539.9	1513.7	1501.0	1481.1
32.5°	1619.5	1592.4	1560.7	1536.3	1532.7	1530.0	1508.2	1478.4	1437.7	1412.3	1381.6
35°	1589.7	1559.8	1521.8	1492.0	1486.5	1471.1	1435.9	1396.1	1343.6	1300.1	1247.7
37.5°	1556.2	1520.9	1481.1	1441.3	1425.9	1395.1	1345.4	1303.8	1224.1	1171.7	1108.3
40°	1518.2	1475.7	1426.8	1378.9	1353.5	1303.8	1246.8	1185.2	1108.3	1037.8	984.4
42.5°	1465.7	1420.5	1362.6	1309.2	1265.8	1199.7	1132.8	1045.9	975.3	915.6	861.3
45°	1403.3	1349.0	1282.1	1217.8	1162.6	1083.9	1005.2	918.3	859.5	789.9	752.8
47.5°	1322.8	1264.0	1192.5	1121.0	1048.6	961.8	879.4	796.2	737.4	687.6	660.5
50°	1227.8	1173.5	1094.8	1009.7	930.1	839.6	757.3	694.9	637.9	607.1	586.3
52.5°	1110.1	1059.5	979.0	886.7	809.8	721.1	646.0	595.3	554.6	532.0	524.8
55°	979.0	934.6	855.0	769.1	690.3	608.9	551.9	507.6	481.3	467.8	468.7
57.5°	838.7	804.3	729.2	652.3	578.1	516.6	465.0	429.8	409.9	409.0	411.7
60°	698.5	673.1	608.0	542.0	476.8	427.0	389.0	364.6	352.0	352.9	352.0
62.5°	564.6	541.0	494.0	439.7	388.1	354.7	320.3	310.3	299.5	298.6	298.6
65°	444.2	426.1	388.1	349.2	310.3	288.6	271.4	259.7	251.5	249.7	250.6
67.5°	333.9	326.6	300.4	274.1	249.7	236.1	221.7	219.0	212.6	212.6	214.4
70°	248.8	243.4	228.9	213.5	203.6	194.5	187.3	187.3	186.4	185.5	190.0
72.5°	180.0	181.0	176.4	164.7	163.8	162.0	160.1	162.9	163.8	166.5	171.9
75°	126.7	129.4	129.4	127.6	131.2	135.7	138.4	143.0	148.4	152.0	158.3
77.5°	89.6	89.6	94.1	99.5	106.8	114.9	122.1	128.5	135.7	140.2	145.7
80°	57.9	60.6	67.9	77.8	87.8	98.6	108.6	116.7	124.0	131.2	134.8
82.5°	34.4	38.9	48.0	60.6	73.3	86.9	96.8	106.8	114.9	122.1	124.9
85°	17.2	23.5	34.4	48.0	61.5	76.0	88.7	97.7	106.8	113.1	116.7
87.5°	5.4	12.7	24.4	37.1	51.6	66.0	79.6	89.6	97.7	103.1	106.8
90°	0.0	6.3	17.2	30.8	44.3	58.8	71.5	82.3	90.5	95.0	97.7
92.5°	0.0	3.6	13.6	25.3	38.0	52.5	65.1	75.1	82.3	86.9	88.7
95°	0.9	2.7	10.0	20.8	33.5	47.0	58.8	67.9	75.1	79.6	80.5
97.5°	0.9	1.8	8.1	17.2	29.0	41.6	53.4	62.4	67.9	72.4	73.3
100°	0.9	1.8	6.3	15.4	25.3	37.1	48.0	56.1	62.4	66.0	67.0
102.5°	0.9	0.9	5.4	12.7	22.6	32.6	42.5	50.7	56.1	59.7	61.5
105°	0.9	0.9	4.5	10.9	19.9	29.0	38.0	46.1	50.7	54.3	56.1
107.5°	0.9	0.9	3.6	9.0	17.2	25.3	34.4	40.7	46.1	49.8	51.6
110°	0.9	0.9	2.7	8.1	14.5	22.6	29.9	36.2	41.6	45.2	47.0



TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-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	12.7	19.9	26.2	32.6	37.1	40.7	43.4
115°	0.9	0.9	2.7	6.3	11.8	17.2	23.5	29.0	33.5	37.1	39.8
117.5°	0.9	0.9	2.7	5.4	10.0	15.4	20.8	26.2	29.9	33.5	36.2
120°	0.9	0.9	1.8	4.5	9.0	13.6	18.1	22.6	27.1	30.8	33.5
122.5°	0.9	0.9	1.8	4.5	7.2	11.8	16.3	19.9	24.4	27.1	29.9
125°	0.9	0.9	1.8	3.6	6.3	10.9	14.5	18.1	20.8	24.4	27.1
127.5°	0.9	0.9	1.8	3.6	5.4	9.0	12.7	16.3	19.0	21.7	23.5
130°	0.9	0.9	1.8	2.7	4.5	7.2	10.9	13.6	17.2	19.0	20.8
132.5°	0.9	0.9	0.9	2.7	3.6	5.4	8.1	11.8	14.5	17.2	18.1
135°	0.9	0.9	0.9	1.8	3.6	4.5	6.3	9.0	11.8	14.5	16.3
137.5°	0.9	0.9	0.9	1.8	2.7	4.5	5.4	7.2	10.0	11.8	14.5
140°	0.9	0.9	0.9	1.8	2.7	3.6	4.5	6.3	8.1	10.0	11.8
142.5°	0.9	0.9	0.9	1.8	1.8	2.7	3.6	5.4	6.3	8.1	10.0
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: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6
2.5°	1736.2	1738.1	1748.9	1748.0	1746.2	1744.4	1744.4	1742.6	1744.4	1748.9	1747.1
5°	1727.2	1729.9	1738.1	1737.1	1735.3	1734.4	1733.5	1730.8	1732.6	1739.0	1737.1
7.5°	1710.9	1713.6	1720.9	1717.2	1714.5	1716.3	1711.8	1709.1	1712.7	1719.1	1718.1
10°	1693.7	1695.5	1704.6	1702.8	1698.2	1699.1	1694.6	1692.8	1697.3	1701.0	1701.9
12.5°	1682.0	1688.3	1696.4	1695.5	1694.6	1695.5	1691.0	1689.2	1691.9	1695.5	1694.6
15°	1679.2	1687.4	1696.4	1696.4	1697.3	1698.2	1693.7	1691.0	1693.7	1696.4	1695.5
17.5°	1676.5	1686.5	1694.6	1693.7	1694.6	1696.4	1689.2	1687.4	1691.0	1694.6	1692.8
20°	1667.5	1676.5	1682.0	1680.1	1680.1	1681.1	1672.0	1672.0	1677.4	1680.1	1681.1
22.5°	1642.1	1653.0	1653.0	1648.5	1648.5	1644.9	1642.1	1636.7	1643.1	1647.6	1651.2
25°	1604.1	1608.7	1603.2	1593.3	1587.9	1583.3	1570.7	1581.5	1581.5	1595.1	1599.6
27.5°	1550.8	1540.8	1525.4	1504.6	1500.1	1485.6	1477.5	1480.2	1484.7	1503.7	1518.2
30°	1463.0	1433.1	1406.9	1397.9	1378.0	1363.5	1349.0	1356.2	1364.4	1375.2	1405.1
32.5°	1347.2	1318.2	1275.7	1260.3	1239.5	1221.4	1204.2	1215.1	1229.6	1236.8	1269.4
35°	1214.2	1179.8	1140.9	1114.7	1093.0	1083.0	1061.3	1076.7	1092.1	1097.5	1125.5
37.5°	1073.1	1037.8	1003.4	980.8	960.0	953.6	939.1	950.0	961.8	969.9	993.4
40°	939.1	906.6	880.3	865.0	850.5	845.1	839.6	844.1	853.2	859.5	877.6
42.5°	824.2	798.0	779.9	770.9	760.9	753.7	754.6	756.4	760.9	774.5	782.6
45°	723.8	708.4	696.7	694.9	688.5	687.6	686.7	690.3	693.1	701.2	707.5
47.5°	643.3	637.0	634.2	637.9	640.6	637.0	638.8	643.3	648.7	648.7	647.8
50°	580.0	581.8	585.4	593.5	599.0	600.8	602.6	608.0	608.9	610.7	608.0
52.5°	528.4	530.2	540.1	552.8	559.1	561.9	565.5	570.9	570.9	572.7	569.1
55°	475.9	478.6	488.6	501.2	506.7	510.3	513.9	517.5	520.2	523.9	521.1
57.5°	418.0	426.1	432.5	436.1	439.7	442.4	445.1	446.0	451.5	452.4	456.9
60°	356.5	358.3	364.6	363.7	361.0	368.2	364.6	371.0	377.3	385.4	386.3
62.5°	297.7	298.6	303.1	301.3	304.9	304.0	306.7	306.7	311.2	314.9	319.4
65°	251.5	252.4	256.0	256.0	255.1	257.9	260.6	262.4	262.4	265.1	268.7
67.5°	217.1	219.9	223.5	225.3	227.1	227.1	229.8	230.7	232.5	233.4	235.2
70°	193.6	197.2	200.9	202.7	203.6	205.4	206.3	206.3	208.1	209.0	210.8
72.5°	176.4	180.0	182.8	182.8	184.6	185.5	185.5	186.4	187.3	189.1	190.9
75°	162.0	164.7	166.5	165.6	165.6	165.6	166.5	166.5	168.3	170.1	171.9
77.5°	148.4	151.1	151.1	149.3	149.3	149.3	149.3	150.2	151.1	152.9	154.7
80°	138.4	138.4	137.5	137.5	135.7	134.8	134.8	135.7	135.7	137.5	140.2
82.5°	127.6	127.6	126.7	125.8	124.9	124.0	124.0	124.9	125.8	126.7	128.5
85°	117.6	117.6	115.8	115.8	114.9	114.9	114.9	114.9	115.8	116.7	118.5
87.5°	107.7	106.8	105.9	105.0	105.0	105.0	105.0	105.0	105.9	107.7	108.6
90°	97.7	96.8	95.9	95.9	95.0	95.0	95.9	95.9	96.8	97.7	98.6
92.5°	88.7	87.8	86.9	86.9	86.0	86.0	86.9	86.0	87.8	87.8	88.7
95°	80.5	79.6	78.7	78.7	78.7	78.7	78.7	78.7	79.6	79.6	80.5
97.5°	73.3	72.4	71.5	71.5	72.4	71.5	72.4	72.4	72.4	73.3	74.2
100°	67.0	66.0	66.0	67.0	66.0	66.0	67.0	67.0	67.0	67.0	67.9
102.5°	61.5	61.5	61.5	61.5	61.5	61.5	62.4	62.4	62.4	62.4	63.3
105°	56.1	57.0	57.0	57.0	57.9	57.9	57.9	58.8	58.8	58.8	58.8
107.5°	52.5	53.4	53.4	54.3	54.3	55.2	55.2	55.2	55.2	56.1	56.1
110°	48.9	49.8	50.7	51.6	51.6	52.5	52.5	52.5	52.5	52.5	52.5





TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	45.2	46.1	47.0	48.9	49.8	49.8	49.8	49.8	50.7	50.7	49.8
115°	41.6	43.4	44.3	46.1	47.0	47.0	48.0	48.0	48.0	48.0	47.0
117.5°	38.0	40.7	41.6	43.4	44.3	44.3	45.2	45.2	45.2	45.2	44.3
120°	35.3	37.1	38.9	39.8	40.7	41.6	41.6	42.5	42.5	42.5	41.6
122.5°	32.6	34.4	36.2	37.1	38.0	38.9	38.9	38.9	38.9	38.9	38.9
125°	29.0	30.8	32.6	33.5	34.4	35.3	35.3	36.2	36.2	36.2	35.3
127.5°	26.2	28.0	29.0	30.8	31.7	31.7	32.6	32.6	32.6	32.6	31.7
130°	22.6	24.4	26.2	27.1	28.0	28.0	29.0	29.0	29.0	29.0	29.0
132.5°	19.9	21.7	22.6	24.4	24.4	25.3	25.3	26.2	26.2	26.2	25.3
135°	18.1	19.0	19.9	21.7	21.7	22.6	22.6	22.6	22.6	22.6	22.6
137.5°	16.3	17.2	18.1	19.0	19.0	19.9	19.9	19.9	19.9	20.8	19.9
140°	13.6	15.4	16.3	16.3	17.2	17.2	17.2	18.1	18.1	18.1	17.2
142.5°	11.8	12.7	13.6	14.5	15.4	15.4	15.4	15.4	16.3	15.4	15.4
145°	9.0	10.9	11.8	12.7	13.6	13.6	13.6	13.6	13.6	13.6	13.6
147.5°	7.2	8.1	10.0	10.9	10.9	11.8	11.8	11.8	11.8	11.8	11.8
150°	6.3	6.3	8.1	9.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6
2.5°	1744.4	1743.5	1747.1	1743.5	1725.4	1732.6	1729.9	1739.9	1740.8	1743.5	1752.5
5°	1735.3	1735.3	1739.9	1736.2	1719.1	1726.3	1725.4	1735.3	1737.1	1739.0	1748.9
7.5°	1717.2	1718.1	1724.5	1721.8	1703.7	1714.5	1713.6	1725.4	1729.0	1732.6	1741.7
10°	1700.1	1699.1	1706.4	1703.7	1686.5	1699.1	1698.2	1710.0	1715.4	1721.8	1732.6
12.5°	1691.0	1688.3	1691.0	1688.3	1669.3	1679.2	1680.1	1693.7	1700.1	1708.2	1720.9
15°	1691.0	1686.5	1686.5	1681.1	1659.3	1665.7	1666.6	1675.6	1683.8	1691.9	1707.3
17.5°	1689.2	1684.7	1683.8	1679.2	1655.7	1655.7	1654.8	1661.1	1665.7	1673.8	1690.1
20°	1679.2	1677.4	1676.5	1673.8	1652.1	1648.5	1646.7	1646.7	1649.4	1652.1	1668.4
22.5°	1653.0	1654.8	1656.6	1658.4	1641.2	1634.9	1635.8	1634.0	1631.3	1631.3	1644.9
25°	1604.1	1613.2	1620.4	1628.6	1618.6	1614.1	1619.5	1616.8	1612.3	1608.7	1620.4
27.5°	1526.3	1545.3	1560.7	1580.6	1581.5	1577.9	1592.4	1590.6	1589.7	1584.2	1593.3
30°	1418.7	1448.5	1469.3	1498.3	1522.7	1526.3	1550.8	1554.4	1558.0	1555.3	1564.3
32.5°	1288.4	1329.1	1364.4	1409.6	1433.1	1454.0	1488.3	1502.8	1517.3	1521.8	1531.8
35°	1146.3	1192.5	1234.1	1283.9	1321.0	1366.2	1407.8	1429.5	1462.1	1474.8	1489.2
37.5°	1011.5	1055.0	1095.7	1145.4	1205.1	1252.2	1303.8	1352.6	1397.0	1415.1	1436.8
40°	892.1	927.4	966.3	1009.7	1064.0	1125.5	1181.6	1249.5	1302.0	1338.1	1369.8
42.5°	801.6	818.8	852.3	891.2	934.6	997.1	1054.1	1130.1	1193.4	1245.0	1297.4
45°	721.1	729.2	753.7	774.5	818.8	874.0	934.6	1008.8	1074.9	1140.9	1204.2
47.5°	652.3	662.3	674.1	686.7	718.4	764.5	817.0	884.0	950.0	1026.9	1099.3
50°	606.2	608.9	610.7	616.1	635.1	666.8	709.3	766.3	829.7	912.0	988.9
52.5°	565.5	565.5	560.0	557.3	564.6	584.5	608.9	649.6	714.8	790.8	872.2
55°	522.0	513.9	512.1	503.0	504.9	513.9	525.7	557.3	610.7	675.9	754.6
57.5°	461.4	457.8	457.8	454.2	447.0	451.5	454.2	476.8	514.8	570.9	639.7
60°	391.8	390.0	394.5	395.4	389.0	391.8	390.9	404.4	431.6	476.8	533.8
62.5°	322.1	330.2	331.1	334.8	331.1	330.2	334.8	346.5	360.1	394.5	438.8
65°	270.5	275.0	276.0	280.5	278.7	278.7	282.3	291.3	299.5	323.0	357.4
67.5°	237.0	235.2	236.1	238.9	236.1	235.2	238.0	243.4	249.7	264.2	288.6
70°	210.8	209.0	209.0	209.0	205.4	202.7	203.6	205.4	208.1	216.2	231.6
72.5°	190.9	190.9	188.2	185.5	182.8	181.0	179.1	177.3	176.4	179.1	187.3
75°	172.8	173.7	172.8	170.1	166.5	162.9	159.2	155.6	151.1	149.3	150.2
77.5°	156.5	157.4	158.3	157.4	153.8	149.3	143.9	138.4	132.1	125.8	122.1
80°	142.0	143.9	144.8	143.9	141.1	137.5	131.2	124.9	115.8	107.7	98.6
82.5°	129.4	132.1	133.0	133.0	131.2	127.6	120.3	113.1	103.1	92.3	80.5
85°	119.4	121.2	123.0	123.0	122.1	118.5	111.3	103.1	93.2	80.5	67.9
87.5°	109.5	110.4	112.2	114.0	112.2	108.6	102.2	93.2	83.2	70.6	56.1
90°	99.5	100.4	102.2	104.0	103.1	99.5	94.1	86.0	75.1	61.5	47.0
92.5°	89.6	91.4	92.3	93.2	94.1	91.4	86.9	78.7	67.9	54.3	40.7
95°	82.3	82.3	84.1	85.0	86.0	83.2	79.6	71.5	61.5	48.9	35.3
97.5°	75.1	75.1	76.9	76.9	77.8	76.0	72.4	65.1	55.2	43.4	29.9
100°	67.9	68.8	69.7	70.6	70.6	69.7	66.0	58.8	49.8	38.9	26.2
102.5°	63.3	63.3	64.2	64.2	65.1	63.3	59.7	53.4	44.3	34.4	22.6
105°	58.8	58.8	59.7	59.7	58.8	57.0	53.4	48.0	39.8	29.9	19.9
107.5°	55.2	55.2	55.2	55.2	54.3	52.5	48.9	42.5	35.3	27.1	18.1
110°	52.5	51.6	51.6	50.7	49.8	47.0	43.4	38.0	31.7	23.5	15.4



TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	49.8	48.9	48.0	47.0	45.2	42.5	38.9	34.4	28.0	20.8	13.6
115°	47.0	46.1	45.2	43.4	41.6	38.9	35.3	30.8	24.4	18.1	11.8
117.5°	44.3	43.4	41.6	39.8	38.0	35.3	31.7	27.1	21.7	16.3	10.9
120°	40.7	39.8	38.9	37.1	35.3	31.7	28.0	24.4	19.0	14.5	9.0
122.5°	38.0	37.1	35.3	34.4	31.7	29.0	25.3	21.7	17.2	12.7	8.1
125°	34.4	33.5	32.6	30.8	29.0	25.3	22.6	19.0	15.4	10.9	6.3
127.5°	31.7	30.8	29.0	27.1	25.3	22.6	19.9	17.2	13.6	9.0	6.3
130°	28.0	27.1	26.2	24.4	22.6	19.9	18.1	14.5	11.8	8.1	5.4
132.5°	24.4	24.4	23.5	21.7	19.9	18.1	15.4	12.7	10.0	7.2	4.5
135°	22.6	21.7	20.8	19.0	18.1	15.4	13.6	10.9	8.1	6.3	3.6
137.5°	19.9	19.0	18.1	17.2	15.4	13.6	11.8	9.0	7.2	5.4	3.6
140°	17.2	16.3	16.3	14.5	13.6	11.8	10.0	8.1	6.3	4.5	2.7
142.5°	15.4	14.5	13.6	12.7	11.8	10.0	8.1	6.3	5.4	3.6	2.7
145°	13.6	12.7	11.8	10.9	10.0	8.1	7.2	5.4	4.5	3.6	2.7
147.5°	10.9	10.9	10.0	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: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6
2.5°	1754.3	1743.5	1752.5	1768.8	1767.0	1765.2	1763.4	1767.0	1778.8	1772.4	1762.5
5°	1751.6	1740.8	1750.7	1766.1	1765.2	1762.5	1760.7	1764.3	1776.1	1769.7	1758.9
7.5°	1746.2	1736.2	1743.5	1758.9	1758.9	1757.1	1755.2	1758.9	1769.7	1764.3	1753.4
10°	1737.1	1729.9	1737.1	1751.6	1752.5	1748.9	1747.1	1751.6	1762.5	1759.8	1750.7
12.5°	1729.9	1722.7	1730.8	1745.3	1746.2	1742.6	1739.9	1745.3	1759.8	1761.6	1758.9
15°	1720.0	1713.6	1723.6	1739.0	1739.0	1736.2	1736.2	1743.5	1763.4	1771.5	1776.1
17.5°	1705.5	1701.0	1712.7	1728.1	1729.0	1727.2	1728.1	1742.6	1768.8	1788.7	1801.4
20°	1687.4	1685.6	1698.2	1714.5	1717.2	1718.1	1722.7	1744.4	1780.6	1807.7	1820.4
22.5°	1665.7	1666.6	1681.1	1698.2	1701.9	1704.6	1713.6	1744.4	1789.6	1818.6	1824.0
25°	1641.2	1644.0	1659.3	1680.1	1684.7	1690.1	1705.5	1745.3	1792.3	1811.3	1802.3
27.5°	1615.0	1620.4	1640.3	1662.1	1667.5	1676.5	1696.4	1739.9	1779.7	1780.6	1747.1
30°	1587.9	1594.2	1617.7	1643.1	1652.1	1661.1	1685.6	1727.2	1748.9	1720.0	1661.1
32.5°	1557.1	1566.1	1589.7	1620.4	1631.3	1643.1	1667.5	1702.8	1694.6	1632.2	1548.1
35°	1518.2	1530.9	1558.0	1594.2	1604.1	1619.5	1636.7	1644.9	1608.7	1520.0	1425.0
37.5°	1470.2	1489.2	1520.9	1562.5	1573.4	1583.3	1587.9	1565.2	1492.9	1397.0	1298.3
40°	1415.1	1444.0	1478.4	1524.5	1535.4	1535.4	1519.1	1471.1	1379.8	1254.0	1144.5
42.5°	1348.1	1383.4	1426.8	1473.0	1483.8	1471.1	1432.2	1348.1	1244.1	1103.8	988.0
45°	1266.7	1313.7	1362.6	1410.5	1416.0	1387.9	1318.2	1211.5	1083.0	952.7	842.3
47.5°	1169.9	1231.4	1284.8	1339.1	1331.8	1284.8	1191.6	1070.3	934.6	811.6	722.9
50°	1061.3	1133.7	1193.4	1245.0	1229.6	1164.4	1055.0	928.3	793.5	688.5	615.2
52.5°	945.5	1028.7	1088.4	1130.1	1109.2	1031.4	911.1	789.9	679.5	583.6	534.7
55°	825.1	909.3	970.8	1003.4	976.2	892.1	773.6	663.2	559.1	496.7	467.8
57.5°	708.4	787.1	845.1	871.3	836.9	752.8	643.3	550.1	475.0	422.5	408.0
60°	596.2	660.5	715.7	735.6	698.5	620.7	526.6	452.4	397.2	361.0	353.8
62.5°	492.2	544.7	588.1	603.5	567.3	506.7	425.2	370.0	331.1	313.0	304.0
65°	406.2	437.0	481.3	478.6	456.9	400.8	341.1	302.2	276.9	265.1	259.7
67.5°	319.4	347.4	375.5	379.1	352.0	313.0	274.1	246.1	232.5	226.2	223.5
70°	247.0	267.8	285.0	280.5	266.0	241.6	217.1	201.8	196.3	193.6	193.6
72.5°	191.8	202.7	210.8	205.4	196.3	183.7	171.9	165.6	166.5	168.3	170.1
75°	148.4	151.1	152.9	147.5	145.7	137.5	136.6	137.5	143.0	148.4	151.1
77.5°	114.0	110.4	107.7	102.2	103.1	102.2	106.8	114.0	122.1	130.3	137.5
80°	87.8	79.6	73.3	67.9	70.6	75.1	84.1	95.0	105.9	114.9	124.0
82.5°	67.9	56.1	47.0	41.6	47.0	54.3	66.0	79.6	92.3	102.2	112.2
85°	52.5	38.9	28.0	22.6	28.0	38.9	51.6	67.0	80.5	91.4	101.3
87.5°	40.7	28.0	15.4	9.0	15.4	27.1	41.6	56.1	69.7	82.3	92.3
90°	32.6	19.0	7.2	1.8	8.1	19.0	32.6	47.0	60.6	74.2	84.1
92.5°	26.2	13.6	3.6	0.0	4.5	14.5	27.1	40.7	54.3	67.0	76.9
95°	21.7	10.9	2.7	0.0	3.6	10.9	21.7	35.3	48.0	60.6	68.8
97.5°	18.1	8.1	1.8	0.0	1.8	9.0	18.1	29.9	42.5	54.3	62.4
100°	15.4	7.2	1.8	0.0	1.8	7.2	15.4	26.2	37.1	48.0	56.1
102.5°	12.7	5.4	0.9	0.9	0.9	5.4	13.6	22.6	32.6	42.5	50.7
105°	11.8	4.5	0.9	0.9	0.9	4.5	11.8	19.9	29.0	38.0	45.2
107.5°	10.0	3.6	0.9	0.9	0.9	3.6	10.0	17.2	26.2	34.4	40.7
110°	8.1	3.6	0.9	0.9	0.9	3.6	8.1	15.4	22.6	29.9	36.2



TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-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	13.6	19.9	27.1	32.6
115°	6.3	2.7	0.9	0.9	0.9	2.7	6.3	11.8	17.2	23.5	29.0
117.5°	5.4	2.7	0.9	0.9	0.9	1.8	5.4	10.0	15.4	20.8	26.2
120°	4.5	1.8	0.9	0.9	0.9	1.8	4.5	9.0	13.6	18.1	22.6
122.5°	4.5	1.8	0.9	0.9	0.9	1.8	3.6	7.2	11.8	15.4	19.9
125°	3.6	1.8	0.9	0.9	0.9	0.9	3.6	6.3	10.0	13.6	17.2
127.5°	3.6	1.8	0.9	0.9	0.9	0.9	2.7	5.4	8.1	11.8	15.4
130°	2.7	1.8	0.9	0.9	0.9	0.9	1.8	4.5	7.2	10.0	12.7
132.5°	2.7	1.8	0.9	0.9	0.9	0.9	1.8	3.6	5.4	8.1	10.9
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: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6
2.5°	1760.7	1739.9	1750.7	1747.1	1750.7	1759.8	1758.9	1756.1	1758.0	1753.4	1748.9
5°	1757.1	1736.2	1747.1	1742.6	1747.1	1756.1	1754.3	1751.6	1754.3	1748.9	1744.4
7.5°	1752.5	1733.5	1746.2	1745.3	1753.4	1765.2	1766.1	1766.1	1772.4	1764.3	1760.7
10°	1752.5	1742.6	1759.8	1766.1	1786.9	1802.3	1804.1	1807.7	1818.6	1816.8	1807.7
12.5°	1771.5	1769.7	1795.1	1810.4	1829.4	1851.2	1862.9	1866.5	1873.8	1868.3	1864.7
15°	1796.0	1805.0	1833.1	1850.2	1871.1	1887.3	1890.1	1891.9	1897.3	1889.2	1882.8
17.5°	1828.5	1834.0	1856.6	1863.8	1877.4	1880.1	1876.5	1867.4	1867.4	1849.3	1843.9
20°	1843.9	1841.2	1850.2	1838.5	1833.1	1816.8	1801.4	1784.2	1783.3	1764.3	1762.5
22.5°	1830.3	1812.2	1793.2	1764.3	1751.6	1728.1	1707.3	1697.3	1691.0	1666.6	1660.2
25°	1782.4	1738.1	1710.0	1675.6	1644.9	1617.7	1597.8	1577.0	1557.7	1537.2	1528.1
27.5°	1699.1	1657.5	1612.3	1564.3	1521.8	1480.2	1446.7	1425.9	1406.9	1380.7	1367.1
30°	1596.9	1539.0	1489.2	1443.1	1373.4	1322.8	1294.7	1253.1	1238.6	1226.9	1201.5
32.5°	1476.6	1406.9	1339.1	1276.6	1205.1	1158.1	1121.0	1090.2	1081.2	1050.4	1043.2
35°	1343.6	1252.2	1175.3	1113.8	1062.2	1005.2	974.4	953.6	935.5	914.7	911.1
37.5°	1187.1	1104.7	1017.9	963.6	922.9	874.0	850.5	836.0	827.9	812.5	809.8
40°	1029.6	947.3	887.6	833.3	808.0	781.7	764.5	758.2	754.6	749.1	743.7
42.5°	886.7	814.3	771.8	735.6	724.7	712.1	707.5	711.1	707.5	705.7	704.8
45°	765.4	710.2	680.4	669.5	666.8	663.2	666.8	673.1	674.1	672.2	672.2
47.5°	655.1	628.8	616.1	618.0	622.5	625.2	631.5	639.7	641.5	637.0	638.8
50°	582.7	567.3	564.6	571.8	581.8	585.4	592.6	599.0	598.0	596.2	594.4
52.5°	514.8	510.3	517.5	524.8	535.6	537.4	540.1	542.9	542.0	538.3	536.5
55°	457.8	461.4	467.8	470.5	478.6	477.7	478.6	478.6	475.0	473.2	470.5
57.5°	406.2	407.1	410.8	411.7	416.2	414.4	413.5	411.7	406.2	405.3	402.6
60°	353.8	352.0	360.1	353.8	357.4	353.8	352.9	348.3	342.9	342.0	340.2
62.5°	304.0	300.4	305.8	303.1	304.9	301.3	299.5	294.0	289.5	288.6	287.7
65°	259.7	257.9	263.3	262.4	264.2	259.7	257.9	254.2	250.6	249.7	248.8
67.5°	222.6	227.1	229.8	229.8	231.6	230.7	226.2	225.3	224.4	220.8	220.8
70°	195.4	198.1	203.6	204.5	203.6	205.4	201.8	200.9	200.0	198.1	197.2
72.5°	173.7	177.3	182.8	183.7	182.8	182.8	181.0	180.0	180.0	177.3	177.3
75°	156.5	161.0	165.6	165.6	165.6	163.8	162.0	162.0	160.1	159.2	157.4
77.5°	142.0	147.5	151.1	150.2	149.3	147.5	147.5	144.8	142.0	142.0	140.2
80°	131.2	134.8	137.5	136.6	135.7	133.0	132.1	129.4	127.6	124.9	124.9
82.5°	119.4	124.0	125.8	124.9	123.0	120.3	119.4	117.6	115.8	114.9	113.1
85°	109.5	114.0	114.9	113.1	111.3	109.5	108.6	107.7	106.8	105.0	105.0
87.5°	99.5	104.0	104.0	103.1	101.3	100.4	99.5	98.6	97.7	96.8	95.9
90°	91.4	95.0	95.0	94.1	93.2	92.3	91.4	90.5	89.6	88.7	88.7
92.5°	83.2	86.9	86.9	86.0	85.0	84.1	84.1	83.2	82.3	81.4	80.5
95°	76.0	79.6	79.6	79.6	78.7	77.8	77.8	76.9	76.0	76.0	75.1
97.5°	68.8	72.4	72.4	72.4	71.5	70.6	70.6	69.7	69.7	69.7	68.8
100°	62.4	65.1	66.0	66.0	65.1	65.1	65.1	64.2	64.2	64.2	63.3
102.5°	56.1	58.8	60.6	60.6	60.6	59.7	59.7	59.7	59.7	59.7	58.8
105°	50.7	53.4	55.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
107.5°	46.1	48.9	50.7	51.6	52.5	52.5	53.4	53.4	53.4	53.4	53.4
110°	41.6	44.3	47.0	48.0	48.9	49.8	49.8	50.7	49.8	49.8	49.8



TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	37.1	40.7	42.5	44.3	45.2	46.1	47.0	47.0	47.0	47.0	47.0
115°	33.5	37.1	38.9	40.7	42.5	43.4	43.4	44.3	44.3	44.3	43.4
117.5°	29.9	33.5	35.3	37.1	38.0	39.8	40.7	40.7	40.7	40.7	39.8
120°	27.1	29.9	31.7	33.5	35.3	36.2	37.1	37.1	37.1	37.1	37.1
122.5°	23.5	26.2	29.0	30.8	31.7	32.6	33.5	33.5	33.5	33.5	33.5
125°	20.8	23.5	25.3	27.1	28.0	29.9	29.9	29.9	29.9	29.9	29.9
127.5°	18.1	20.8	22.6	24.4	25.3	26.2	27.1	27.1	27.1	27.1	27.1
130°	15.4	18.1	19.9	21.7	22.6	23.5	23.5	24.4	24.4	24.4	24.4
132.5°	13.6	15.4	17.2	19.0	19.9	20.8	20.8	21.7	21.7	21.7	21.7
135°	10.9	13.6	14.5	16.3	17.2	18.1	18.1	19.0	19.0	19.0	19.0
137.5°	9.0	10.9	12.7	14.5	15.4	15.4	16.3	16.3	17.2	17.2	17.2
140°	7.2	8.1	10.9	11.8	12.7	13.6	14.5	14.5	14.5	14.5	14.5
142.5°	5.4	7.2	8.1	10.0	10.9	11.8	12.7	12.7	12.7	12.7	12.7
145°	4.5	5.4	6.3	8.1	9.0	10.0	10.9	10.9	10.9	10.9	10.9
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: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6
2.5°	1751.6	1755.2	1753.4	1750.7	1749.8	1754.3	1749.8	1729.0	1737.1	1738.1	1744.4
5°	1748.9	1751.6	1749.8	1748.0	1745.3	1750.7	1745.3	1723.6	1731.7	1732.6	1739.0
7.5°	1767.0	1767.9	1767.9	1763.4	1756.1	1758.9	1751.6	1727.2	1731.7	1731.7	1736.2
10°	1812.2	1814.1	1816.8	1805.0	1796.0	1788.7	1778.8	1748.9	1748.0	1740.8	1740.8
12.5°	1871.1	1866.5	1862.0	1856.6	1849.3	1840.3	1825.8	1790.5	1778.8	1767.0	1755.2
15°	1888.2	1886.4	1885.5	1882.8	1878.3	1875.6	1864.7	1829.4	1812.2	1797.8	1777.0
17.5°	1843.0	1846.6	1858.4	1859.3	1864.7	1875.6	1873.8	1849.3	1834.0	1827.6	1802.3
20°	1761.6	1762.5	1777.0	1783.3	1806.8	1824.9	1838.5	1835.8	1832.2	1839.4	1820.4
22.5°	1663.9	1670.2	1685.6	1695.5	1718.1	1739.0	1760.7	1772.4	1791.4	1821.3	1817.7
25°	1530.9	1539.0	1560.7	1577.0	1608.7	1640.3	1669.3	1690.1	1712.7	1769.7	1788.7
27.5°	1371.6	1384.3	1412.3	1428.6	1473.0	1505.5	1547.1	1587.9	1619.5	1684.7	1723.6
30°	1204.2	1215.1	1245.0	1267.6	1305.6	1349.9	1402.4	1460.3	1512.8	1578.8	1627.7
32.5°	1047.7	1059.5	1083.9	1103.8	1146.3	1183.4	1241.3	1312.8	1361.7	1453.1	1518.2
35°	911.1	922.0	939.1	956.3	991.6	1029.6	1079.4	1149.1	1211.5	1306.5	1388.8
37.5°	815.2	817.0	827.0	836.9	863.1	892.1	931.0	992.5	1050.4	1152.7	1243.1
40°	746.4	746.4	751.9	754.6	766.3	783.5	808.0	855.9	903.9	981.7	1092.1
42.5°	703.9	702.1	702.1	703.0	702.1	710.2	724.7	747.3	789.9	854.1	940.1
45°	672.2	668.6	665.9	659.6	656.0	656.0	656.9	665.0	689.4	731.1	800.7
47.5°	637.0	636.1	631.5	624.3	618.0	613.4	606.2	603.5	610.7	634.2	681.3
50°	596.2	591.7	587.2	581.8	574.5	570.0	556.4	557.3	551.0	561.9	586.3
52.5°	536.5	532.9	531.1	526.6	523.9	522.0	511.2	500.3	497.6	499.4	508.5
55°	470.5	472.3	465.0	468.7	467.8	459.6	455.1	447.0	444.2	443.3	447.9
57.5°	401.7	403.5	399.0	402.6	402.6	398.1	395.4	395.4	389.0	383.6	390.0
60°	339.3	335.7	338.4	342.9	342.9	340.2	338.4	338.4	333.9	332.0	336.6
62.5°	288.6	285.0	287.7	292.2	293.1	291.3	289.5	289.5	284.1	284.1	287.7
65°	249.7	250.6	249.7	253.3	253.3	254.2	252.4	250.6	244.3	247.0	246.1
67.5°	221.7	220.8	220.8	224.4	223.5	225.3	223.5	220.8	216.2	212.6	211.7
70°	198.1	197.2	197.2	199.0	200.0	200.0	199.0	197.2	190.9	187.3	184.6
72.5°	177.3	176.4	177.3	178.2	179.1	180.0	179.1	177.3	171.9	167.4	162.9
75°	158.3	157.4	160.1	160.1	161.0	161.0	162.0	161.0	156.5	151.1	145.7
77.5°	139.3	140.2	143.0	143.9	145.7	146.6	147.5	147.5	143.0	138.4	131.2
80°	124.0	125.8	127.6	128.5	130.3	133.0	133.9	134.8	131.2	126.7	118.5
82.5°	113.1	114.0	115.8	116.7	119.4	120.3	121.2	123.0	121.2	116.7	107.7
85°	104.0	105.0	106.8	106.8	108.6	110.4	111.3	112.2	111.3	106.8	97.7
87.5°	95.9	96.8	97.7	98.6	99.5	100.4	101.3	102.2	101.3	96.8	88.7
90°	88.7	88.7	89.6	89.6	90.5	91.4	93.2	93.2	92.3	88.7	80.5
92.5°	80.5	81.4	81.4	82.3	83.2	84.1	85.0	85.0	84.1	80.5	73.3
95°	75.1	75.1	76.0	76.0	76.9	76.9	77.8	77.8	76.9	73.3	66.0
97.5°	68.8	68.8	68.8	68.8	69.7	69.7	70.6	70.6	69.7	66.0	59.7
100°	63.3	63.3	63.3	63.3	63.3	64.2	64.2	64.2	63.3	59.7	53.4
102.5°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	57.0	54.3	48.0
105°	56.1	56.1	56.1	55.2	55.2	55.2	54.3	54.3	51.6	48.9	43.4
107.5°	52.5	52.5	52.5	51.6	51.6	50.7	49.8	49.8	47.0	44.3	38.9
110°	49.8	49.8	49.8	48.9	48.0	47.0	46.1	45.2	42.5	38.9	34.4





TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	47.0	47.0	46.1	46.1	45.2	44.3	42.5	41.6	38.9	35.3	30.8
115°	43.4	43.4	43.4	42.5	41.6	40.7	39.8	38.0	35.3	31.7	27.1
117.5°	39.8	39.8	39.8	38.9	38.0	37.1	36.2	34.4	31.7	28.0	24.4
120°	36.2	36.2	36.2	35.3	34.4	33.5	32.6	30.8	28.0	25.3	20.8
122.5°	33.5	33.5	32.6	31.7	30.8	29.9	29.0	27.1	25.3	21.7	18.1
125°	29.9	29.9	29.0	29.0	28.0	27.1	26.2	24.4	21.7	19.0	16.3
127.5°	27.1	26.2	26.2	26.2	25.3	24.4	22.6	21.7	19.0	16.3	13.6
130°	23.5	23.5	23.5	22.6	22.6	21.7	19.9	18.1	16.3	14.5	11.8
132.5°	20.8	20.8	20.8	20.8	19.9	19.0	17.2	16.3	14.5	11.8	10.0
135°	19.0	19.0	18.1	18.1	17.2	16.3	15.4	13.6	11.8	10.0	8.1
137.5°	16.3	16.3	16.3	15.4	15.4	14.5	12.7	11.8	10.9	9.0	7.2
140°	14.5	14.5	13.6	13.6	12.7	12.7	11.8	10.0	9.0	7.2	6.3
142.5°	12.7	12.7	11.8	11.8	10.9	10.9	10.0	9.0	7.2	6.3	4.5
145°	10.9	10.9	10.0	10.0	10.0	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: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6	1751.6
2.5°	1741.7	1740.8	1748.9	1748.0	1737.1	1753.4	1764.3
5°	1737.1	1736.2	1743.5	1745.3	1733.5	1750.7	1762.5
7.5°	1733.5	1732.6	1740.8	1743.5	1731.7	1747.1	1759.8
10°	1734.4	1729.9	1737.1	1739.0	1728.1	1744.4	1755.2
12.5°	1740.8	1729.9	1732.6	1732.6	1722.7	1737.1	1748.9
15°	1756.1	1733.5	1729.9	1727.2	1714.5	1728.1	1739.9
17.5°	1773.3	1742.6	1729.9	1720.9	1705.5	1717.2	1729.9
20°	1790.5	1752.5	1731.7	1717.2	1696.4	1707.3	1716.3
22.5°	1798.7	1761.6	1733.5	1711.8	1685.6	1691.0	1701.0
25°	1787.8	1758.0	1729.9	1703.7	1672.0	1672.9	1681.1
27.5°	1748.0	1739.9	1721.8	1695.5	1661.1	1656.6	1663.0
30°	1680.1	1702.8	1703.7	1684.7	1648.5	1639.4	1642.1
32.5°	1585.1	1635.8	1665.7	1662.1	1630.4	1617.7	1619.5
35°	1475.7	1539.0	1604.1	1625.9	1603.2	1593.3	1589.7
37.5°	1344.5	1429.5	1516.4	1569.8	1566.1	1559.8	1556.2
40°	1199.7	1302.0	1405.1	1490.1	1516.4	1516.4	1518.2
42.5°	1045.0	1164.4	1277.5	1385.2	1446.7	1460.3	1465.7
45°	895.7	1016.1	1139.1	1263.1	1345.4	1387.9	1403.3
47.5°	760.0	881.2	998.0	1133.7	1243.1	1298.3	1322.8
50°	644.2	734.7	857.7	992.5	1112.0	1179.8	1227.8
52.5°	548.3	618.9	726.5	852.3	972.6	1065.8	1110.1
55°	467.8	515.7	607.1	715.7	830.6	927.4	979.0
57.5°	399.9	437.9	500.3	590.8	687.6	783.5	838.7
60°	340.2	366.4	409.0	480.4	562.8	645.1	698.5
62.5°	288.6	305.8	333.9	386.3	450.6	514.8	564.6
65°	248.8	256.0	271.4	304.0	352.9	401.7	444.2
67.5°	209.9	214.4	226.2	246.1	270.5	305.8	333.9
70°	181.0	181.0	181.9	193.6	206.3	228.9	248.8
72.5°	157.4	154.7	149.3	152.0	154.7	167.4	180.0
75°	138.4	132.1	123.0	119.4	117.6	119.4	126.7
77.5°	122.1	113.1	102.2	93.2	86.0	83.2	89.6
80°	108.6	97.7	85.0	73.3	61.5	55.2	57.9
82.5°	97.7	84.1	70.6	57.0	43.4	34.4	34.4
85°	86.0	73.3	58.8	44.3	30.8	19.0	17.2
87.5°	77.8	64.2	48.9	35.3	21.7	10.0	5.4
90°	69.7	56.1	41.6	28.0	15.4	4.5	0.0
92.5°	62.4	49.8	36.2	22.6	10.9	2.7	0.0
95°	56.1	44.3	30.8	19.0	9.0	1.8	0.9
97.5°	49.8	38.9	27.1	15.4	6.3	1.8	0.9
100°	45.2	34.4	23.5	12.7	5.4	0.9	0.9
102.5°	39.8	30.8	19.9	10.9	4.5	0.9	0.9
105°	35.3	27.1	17.2	9.0	3.6	0.9	0.9
107.5°	31.7	23.5	15.4	8.1	3.6	0.9	0.9
110°	28.0	20.8	13.6	7.2	2.7	0.9	0.9



TEST NUMBER: P290192

CATALOG NUMBER: 4SSRK-LC-40-L830-CD1-U

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	25.3	18.1	11.8	6.3	1.8	0.9	0.9
115°	21.7	16.3	10.0	5.4	1.8	0.9	0.9
117.5°	19.0	13.6	9.0	4.5	1.8	0.9	0.9
120°	16.3	11.8	7.2	3.6	0.9	0.9	0.9
122.5°	14.5	10.0	6.3	3.6	0.9	0.9	0.9
125°	12.7	9.0	5.4	2.7	0.9	0.9	0.9
127.5°	10.9	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)