

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: NEO-RAY

Report Number: P333600-930

Luminaire Tested: **S125RDIP-S1090D1035U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333600-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1090D1035U930-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6502.6 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

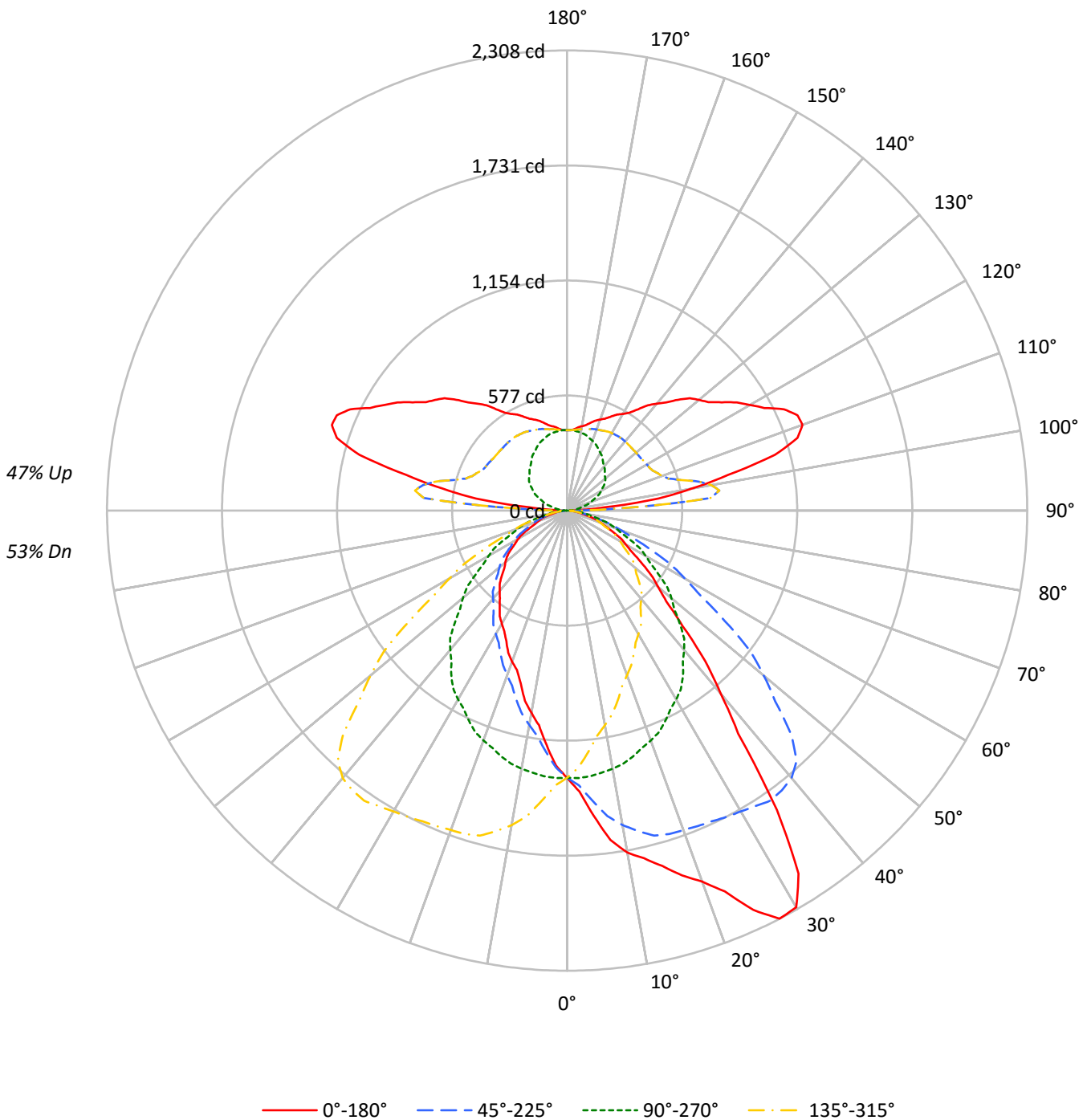
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	61	53	52	51	46
2	91	83	77	72	84	78	72	68	67	63	59	57	54	51	47	45	44	39
3	83	74	66	61	77	69	62	57	59	54	50	50	47	44	42	40	38	34
4	76	65	58	52	70	61	54	49	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	65	55	47	42	47	42	38	41	36	33	34	31	29	25
6	64	52	44	39	60	49	42	37	43	37	33	37	32	29	31	28	25	22
7	60	47	40	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	34	29	35	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8657	8657	8657	8657
5°	9961	8669	7656	8669
10°	11425	8625	6755	8625
15°	12341	8536	6005	8536
20°	13608	8434	5544	8434
25°	15748	8298	5144	8298
30°	17137	8154	4883	8154
35°	14456	7987	4642	7987
40°	10095	7687	4435	7687
45°	7489	7283	4232	7283
50°	5971	6861	4058	6861
55°	5068	6339	3904	6339
60°	4379	5871	3653	5871
65°	3903	5365	3145	5365
70°	3429	4913	2868	4913
75°	2967	4257	2692	4257
80°	2250	3582	2250	3582
85°	1875	2816	2119	2816



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	2.0
10°-20°	376.7	5.8
20°-30°	597.3	9.2
30°-40°	720.3	11.1
40°-50°	643.2	9.9
50°-60°	493.3	7.6
60°-70°	320.6	4.9
70°-80°	155.9	2.4
80°-90°	39.5	0.6
90°-100°	292.6	4.5
100°-110°	629.0	9.7
110°-120°	590.3	9.1
120°-130°	478.4	7.4
130°-140°	383.9	5.9
140°-150°	289.7	4.5
150°-160°	203.9	3.1
160°-170°	120.2	1.8
170°-180°	39.1	0.6
0°-30°	1102.6	17.0
0°-40°	1822.8	28.0
0°-60°	2959.4	45.5
0°-90°	3475.2	53.4
90°-120°	1512.0	23.3
90°-150°	2664.1	41.0
90°-180°	3027.0	46.6
0°-180°	6502.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1340	1340	1340	1340	1340	
5°	1536	1337	1181	1337	1536	154
15°	1846	1277	898	1277	1846	529
25°	2210	1164	722	1164	2210	1015
35°	1834	1013	589	1013	1834	1108
45°	820	797	463	797	820	654
55°	450	563	347	563	450	408
65°	255	351	206	351	255	254
75°	119	171	108	171	119	127
85°	25	38	29	38	25	30
90°	19	1	19	1	19	14
95°	191	27	191	27	191	271
105°	1078	92	1078	92	1078	1072
115°	1201	164	1201	164	1201	1174
125°	947	228	947	228	947	856
135°	786	267	786	267	786	609
145°	620	311	620	311	620	394
155°	520	355	520	355	520	242
165°	456	387	456	387	456	130
175°	409	403	409	403	409	40
180°	404	404	404	404	404	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1410.1	1409.2	1411.0	1406.1	1406.6	1399.1	1399.1	1393.3	1385.8	1380.1	1377.4
5°	1536.4	1537.5	1535.3	1527.1	1521.5	1513.3	1503.9	1487.4	1473.7	1460.4	1450.0
7.5°	1666.5	1667.2	1659.9	1657.4	1643.6	1633.5	1612.7	1590.2	1570.3	1545.0	1525.6
10°	1742.2	1741.6	1733.9	1727.9	1715.8	1700.4	1680.0	1653.6	1628.8	1601.3	1574.9
12.5°	1786.2	1784.8	1782.3	1775.0	1763.7	1750.1	1732.8	1706.8	1676.3	1646.3	1615.4
15°	1845.7	1841.8	1834.7	1825.3	1809.3	1793.3	1774.1	1751.0	1721.8	1687.7	1659.1
17.5°	1919.1	1919.3	1908.3	1895.2	1873.6	1845.4	1815.7	1778.4	1738.8	1701.3	1670.8
20°	1979.9	1978.2	1967.2	1942.0	1917.2	1882.0	1847.9	1802.1	1753.7	1704.8	1666.8
22.5°	2067.1	2062.8	2051.3	2018.1	1979.7	1934.4	1882.2	1826.4	1767.8	1712.2	1662.4
25°	2210.0	2206.6	2184.0	2145.5	2091.7	2021.7	1953.5	1877.0	1792.8	1719.6	1659.1
27.5°	2307.6	2304.0	2287.3	2255.3	2205.5	2132.0	2039.6	1937.4	1832.3	1731.6	1644.4
30°	2298.0	2306.2	2304.0	2289.2	2251.8	2185.7	2100.5	1985.4	1860.5	1742.2	1638.2
32.5°	2159.7	2167.1	2186.5	2215.7	2217.9	2191.4	2127.7	2021.5	1892.2	1757.6	1633.4
35°	1833.5	1843.5	1880.9	1939.8	2016.8	2081.1	2094.3	2037.1	1921.0	1776.3	1626.1
37.5°	1409.6	1463.7	1495.3	1557.2	1673.6	1792.0	1905.9	1947.9	1898.4	1768.6	1614.3
40°	1197.4	1210.6	1266.7	1336.6	1434.6	1557.9	1720.2	1837.4	1841.3	1751.0	1595.8
42.5°	1024.8	1041.5	1080.1	1135.9	1219.8	1343.0	1510.7	1665.2	1736.9	1702.6	1571.6
45°	819.9	832.6	860.6	903.6	967.9	1069.8	1213.9	1392.8	1534.7	1590.3	1506.7
47.5°	673.5	680.4	704.8	737.5	785.1	859.3	970.9	1126.2	1296.5	1415.8	1404.1
50°	594.3	602.0	620.7	645.5	685.7	748.4	837.6	966.9	1142.4	1288.2	1317.4
52.5°	532.6	539.1	550.7	574.1	607.3	655.5	727.5	844.5	1002.4	1157.5	1224.9
55°	450.1	454.5	463.9	477.1	503.5	538.2	600.4	681.3	808.9	965.2	1064.2
57.5°	382.1	384.3	390.3	402.5	420.8	446.1	491.0	559.5	651.1	791.8	901.2
60°	339.0	341.2	348.9	357.1	371.5	394.5	429.7	477.6	565.7	681.8	792.4
62.5°	304.6	306.0	309.2	317.5	330.0	347.9	375.6	414.7	484.7	586.7	691.1
65°	255.4	255.8	257.0	263.6	271.3	284.5	302.6	330.2	383.0	460.1	552.4
67.5°	208.0	208.8	212.6	214.9	223.0	229.9	240.6	261.6	298.8	350.7	422.7
70°	181.6	181.1	184.9	187.7	190.4	198.7	205.8	222.9	246.0	285.6	345.6
72.5°	156.9	155.5	157.2	158.2	161.8	167.4	174.6	185.0	202.8	230.2	276.1
75°	118.9	119.4	119.4	120.5	123.3	125.5	127.7	133.1	143.1	161.3	186.0
77.5°	83.4	82.5	84.9	85.2	86.8	89.3	91.2	93.4	97.4	104.8	117.6
80°	60.5	60.5	61.1	62.7	62.2	63.3	66.0	68.2	73.2	77.6	82.0
82.5°	46.5	46.0	46.6	46.9	46.8	47.9	48.8	49.3	51.2	53.4	56.4
85°	25.3	25.3	25.8	25.8	26.4	26.4	27.0	27.0	27.0	27.5	28.0
87.5°	13.5	13.0	12.4	12.4	12.8	13.4	12.8	12.1	12.0	11.8	12.0
90°	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7	13.9	13.0	11.4
92.5°	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2	212.4	262.4	266.6
95°	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2	705.6	721.1	588.5
97.5°	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6	892.8	770.1	525.5
100°	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1	938.4	734.9	468.8
102.5°	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7	911.1	673.1	425.8
105°	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0	823.7	590.0	384.2
107.5°	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2	734.4	533.0	366.6
110°	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5	683.6	506.2	361.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1	645.9	490.6	361.3
115°	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0	604.7	473.7	363.8
117.5°	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7	580.2	465.4	369.2
120°	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3	566.5	461.5	374.4
122.5°	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7	554.7	458.2	379.0
125°	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2	538.8	454.1	386.6
127.5°	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1	524.2	452.2	395.3
130°	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9	514.4	450.9	400.5
132.5°	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5	506.5	450.9	406.3
135°	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3	497.3	450.9	414.3
137.5°	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5	489.0	451.8	421.6
140°	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7	485.1	452.5	424.9
142.5°	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2	481.8	453.1	426.8
145°	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1	477.0	452.5	428.9
147.5°	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8	471.9	450.4	429.7
150°	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9	468.0	448.4	429.7
152.5°	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4	463.4	445.9	429.1
155°	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6	455.8	441.2	427.3
157.5°	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8	448.6	436.3	425.2
160°	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3	442.8	433.0	423.2
162.5°	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2	437.6	429.1	421.3
165°	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3	429.7	423.2	418.3
167.5°	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8	422.1	417.5	413.8
170°	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6	417.5	414.3	411.8
172.5°	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7	412.9	410.3	409.2
175°	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4	406.9	406.1	406.1
177.5°	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0	404.3	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1377.4	1374.4	1368.6	1363.3	1356.7	1351.0	1347.1	1342.2	1336.1	1328.6	1322.4
5°	1438.4	1426.3	1410.4	1396.6	1379.0	1365.2	1351.0	1337.2	1323.4	1305.8	1290.4
7.5°	1506.0	1481.0	1456.7	1426.1	1398.4	1373.6	1349.8	1325.8	1302.2	1277.2	1253.1
10°	1547.4	1517.1	1483.5	1445.0	1409.8	1376.2	1345.4	1315.2	1283.3	1255.2	1224.9
12.5°	1586.2	1547.0	1508.6	1460.0	1417.7	1376.7	1337.5	1299.8	1265.7	1229.2	1196.8
15°	1621.1	1582.6	1539.7	1480.3	1421.4	1371.8	1325.6	1276.7	1234.3	1193.5	1157.2
17.5°	1634.7	1594.2	1544.4	1487.3	1422.9	1360.7	1301.1	1247.4	1197.5	1150.1	1109.2
20°	1629.4	1590.3	1539.1	1484.7	1415.8	1351.0	1286.5	1227.1	1171.6	1121.4	1078.0
22.5°	1616.6	1576.2	1526.8	1469.3	1403.9	1335.1	1266.3	1202.9	1144.7	1092.8	1045.5
25°	1597.5	1542.5	1491.8	1435.7	1373.5	1305.3	1234.3	1164.4	1102.2	1049.4	997.7
27.5°	1577.5	1508.9	1444.5	1388.7	1323.0	1262.1	1193.7	1122.0	1056.6	1002.8	949.7
30°	1559.5	1482.5	1411.4	1348.2	1286.0	1228.2	1163.3	1093.4	1026.3	970.7	916.8
32.5°	1537.0	1455.1	1377.1	1304.2	1244.1	1186.8	1128.0	1061.3	995.9	938.6	883.8
35°	1508.9	1404.4	1319.6	1241.9	1175.4	1119.8	1067.0	1013.1	947.6	888.2	834.8
37.5°	1471.9	1353.2	1255.2	1170.7	1100.4	1044.6	1002.9	953.7	893.9	837.0	787.4
40°	1449.4	1316.3	1208.9	1125.4	1051.6	992.7	953.7	911.8	857.4	804.0	754.4
42.5°	1419.5	1282.4	1162.3	1075.1	1000.9	944.3	904.7	868.2	822.6	772.3	719.2
45°	1360.8	1216.7	1090.6	997.1	922.3	866.7	829.8	797.4	762.7	716.5	670.3
47.5°	1284.4	1148.1	1016.3	914.1	840.8	789.2	753.4	727.8	703.0	663.7	618.8
50°	1223.3	1091.8	963.0	864.0	785.8	736.8	703.3	682.9	660.3	624.6	587.2
52.5°	1151.0	1033.6	907.5	806.2	732.5	686.6	654.4	634.1	615.5	586.3	550.6
55°	1037.3	934.4	818.8	726.9	659.3	613.0	582.2	563.0	552.0	527.2	499.1
57.5°	906.0	832.3	730.3	641.7	581.9	536.2	513.6	497.3	484.8	467.3	447.5
60°	814.4	762.7	671.3	587.2	532.1	488.6	468.3	454.5	443.0	428.1	412.7
62.5°	721.5	683.9	604.5	532.1	481.5	445.1	426.0	413.6	400.3	390.3	375.3
65°	597.0	563.5	508.4	451.8	405.0	375.9	362.1	351.1	342.8	331.8	321.4
67.5°	464.5	450.8	412.8	373.7	340.1	314.2	302.3	294.6	284.7	278.1	270.9
70°	383.0	376.4	349.4	323.6	292.2	274.6	263.6	260.2	248.2	241.6	236.6
72.5°	310.8	307.7	292.2	274.3	252.2	236.8	226.6	222.9	215.2	209.9	206.7
75°	213.0	214.1	211.3	199.7	191.5	181.6	172.8	170.6	165.1	160.7	157.9
77.5°	134.7	140.3	140.6	140.0	136.7	130.6	127.0	125.4	119.9	118.3	117.6
80°	92.5	98.5	104.0	103.5	102.3	100.7	97.9	96.3	93.5	91.9	90.8
82.5°	61.6	67.3	71.8	74.8	74.6	73.0	71.1	70.4	69.8	68.6	68.3
85°	29.2	30.2	31.9	35.8	38.5	39.1	38.5	38.0	36.3	36.9	37.4
87.5°	12.2	11.9	12.2	11.9	11.1	13.0	13.9	14.3	13.5	13.0	12.4
90°	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8	1.6	3.3	4.9
92.5°	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9	12.1	18.9	28.9
95°	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8	27.6	34.2	43.1
97.5°	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6	45.6	50.1	59.1
100°	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0	58.6	61.9	70.8
102.5°	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7	71.6	74.2	83.8
105°	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0	92.0	96.0	104.2
107.5°	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8	114.5	118.3	125.0
110°	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8	129.4	132.6	140.0



TEST NUMBER: P333600-930

CATALOG NUMBER: S125RDIP-S1090D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8	144.4	147.0	154.3
115°	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4	166.0	168.4	175.8
117.5°	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9	186.4	189.0	196.3
120°	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0	199.4	202.7	210.0
122.5°	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7	212.4	215.0	222.3
125°	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9	229.5	233.6	240.9
127.5°	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4	243.9	249.1	258.4
130°	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9	252.3	258.9	269.4
132.5°	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4	259.4	267.3	279.2
135°	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9	270.2	280.0	293.0
137.5°	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3	282.7	291.9	304.9
140°	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1	290.6	300.4	313.3
142.5°	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3	299.1	308.1	321.1
145°	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9	312.5	320.7	332.1
147.5°	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2	326.2	333.2	343.8
150°	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7	335.3	341.0	351.6
152.5°	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8	343.8	348.9	358.1
155°	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8	354.8	359.7	367.9
157.5°	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6	365.4	369.3	376.3
160°	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8	371.9	375.2	380.9
162.5°	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6	377.8	381.1	386.1
165°	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4	385.8	388.2	392.3
167.5°	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3	392.5	394.0	396.2
170°	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2	396.4	397.2	398.8
172.5°	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8	398.4	399.2	400.7
175°	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8	401.2	402.0	402.8
177.5°	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3	403.0	403.0	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333600-930

CATALOG NUMBER: S125RDIP-S1090D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1318.0	1311.9	1307.5	1298.7	1292.5	1289.9	1285.0	1283.7	1288.5	1285.0	1284.6
5°	1278.9	1262.9	1250.3	1237.5	1223.8	1215.0	1201.8	1199.6	1196.3	1191.3	1190.3
7.5°	1231.8	1211.0	1194.7	1173.9	1155.7	1141.1	1124.5	1116.7	1112.5	1106.0	1097.5
10°	1200.1	1175.4	1153.4	1132.5	1109.9	1091.8	1075.2	1062.6	1054.3	1046.6	1043.3
12.5°	1168.9	1143.7	1115.5	1090.2	1065.0	1044.6	1026.4	1018.1	1009.0	1000.0	992.3
15°	1120.4	1086.8	1056.0	1026.8	1005.3	983.3	965.7	953.7	939.9	936.0	921.2
17.5°	1068.9	1035.9	999.9	969.1	944.3	920.1	900.7	887.0	876.6	862.4	855.6
20°	1036.7	997.7	962.5	934.4	906.9	878.2	858.4	846.9	837.0	825.4	819.9
22.5°	1002.4	964.2	928.1	895.2	867.2	839.1	825.0	813.0	801.8	791.1	783.8
25°	951.9	913.5	875.5	841.4	812.2	791.8	775.3	761.6	755.5	745.1	737.4
27.5°	902.1	861.2	821.8	787.7	764.9	744.8	731.2	720.3	709.4	700.3	693.6
30°	870.0	828.2	785.2	758.3	734.1	714.8	699.9	689.5	681.3	673.0	668.1
32.5°	837.9	794.8	756.6	727.5	704.6	687.9	672.6	662.7	654.0	644.8	639.0
35°	786.4	742.3	711.5	682.9	660.3	644.9	634.5	620.2	613.0	606.4	600.4
37.5°	738.5	697.6	664.2	639.1	619.5	604.2	590.7	582.9	574.1	568.2	563.1
40°	703.3	665.9	635.6	609.2	594.8	577.8	565.2	555.2	548.6	541.0	535.4
42.5°	671.6	636.7	607.4	583.6	565.8	551.4	539.2	529.3	520.9	515.4	510.8
45°	626.8	592.1	563.5	541.4	525.0	511.2	498.6	493.6	482.6	476.0	473.8
47.5°	580.4	549.4	521.8	501.5	484.6	471.6	459.7	449.6	443.5	437.0	433.5
50°	549.2	519.4	493.6	473.8	457.3	443.0	431.9	425.3	417.1	411.1	406.7
52.5°	518.0	490.4	464.6	445.6	431.3	417.0	404.7	398.1	390.3	386.4	383.4
55°	473.3	444.1	422.1	403.3	388.5	375.3	363.7	357.1	352.2	348.3	347.2
57.5°	422.7	399.5	379.0	362.2	346.7	334.4	324.2	318.0	313.6	313.0	309.7
60°	389.6	368.7	350.0	331.8	318.6	307.0	298.2	291.1	286.7	286.2	285.0
62.5°	356.6	336.6	319.2	303.2	291.3	280.2	271.8	263.8	261.1	258.4	256.0
65°	307.6	289.4	275.2	262.4	249.8	240.4	232.2	227.3	221.2	217.9	211.9
67.5°	259.5	245.4	231.7	221.0	211.1	202.2	195.3	188.0	183.9	181.2	176.8
70°	227.8	216.8	203.1	191.5	183.8	176.7	171.1	162.9	160.1	157.9	155.7
72.5°	197.9	188.2	176.7	167.3	159.6	152.9	146.5	142.6	139.9	137.7	136.4
75°	155.7	146.3	136.5	129.9	124.3	118.9	115.5	112.8	111.7	111.1	108.9
77.5°	114.4	109.4	101.5	96.2	92.5	90.3	87.4	85.9	85.9	83.4	82.7
80°	87.5	84.7	78.1	75.9	73.2	71.0	69.3	66.6	63.8	62.7	61.1
82.5°	65.1	62.3	59.7	56.1	53.8	52.5	50.9	49.8	50.2	48.7	47.9
85°	34.7	31.9	30.8	30.2	29.2	30.2	29.7	29.2	28.6	28.0	28.6
87.5°	12.3	12.6	12.4	13.5	12.4	13.2	13.4	13.0	13.2	13.4	13.3
90°	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7	15.5	16.3	17.9
92.5°	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2	104.7	78.8	66.8
95°	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2	461.5	361.3	293.0
97.5°	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6	784.7	687.2	592.2
100°	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1	961.2	877.3	792.7
102.5°	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7	1069.3	1029.1	971.8
105°	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0	1130.5	1166.3	1157.3
107.5°	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2	1076.0	1167.9	1210.4
110°	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5	1014.1	1128.9	1198.1



TEST NUMBER: P333600-930

CATALOG NUMBER: S125RDIP-S1090D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1	952.9	1068.9	1150.6
115°	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0	865.2	976.6	1065.4
117.5°	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7	804.5	900.5	981.9
120°	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3	770.0	859.5	931.1
122.5°	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7	745.2	824.9	892.0
125°	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2	712.2	782.9	841.6
127.5°	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1	680.6	746.7	801.5
130°	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9	658.4	721.9	774.9
132.5°	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5	637.6	695.2	746.2
135°	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3	605.5	657.6	704.0
137.5°	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5	576.9	620.2	659.6
140°	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7	559.9	597.4	631.6
142.5°	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2	545.6	577.9	607.5
145°	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1	527.4	552.6	574.6
147.5°	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8	512.3	531.7	548.2
150°	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9	503.8	519.3	533.9
152.5°	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4	495.3	509.5	520.9
155°	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6	482.7	494.1	503.0
157.5°	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8	470.6	479.4	486.4
160°	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3	461.5	469.6	475.3
162.5°	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2	453.6	460.5	465.5
165°	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3	442.0	446.9	450.9
167.5°	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8	430.6	434.3	437.2
170°	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6	424.0	426.5	428.1
172.5°	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7	418.2	420.0	420.9
175°	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4	409.4	411.0	411.0
177.5°	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0	405.6	405.6	405.6
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333600-930

CATALOG NUMBER: S125RDIP-S1090D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1284.1	1279.3	1278.0	1279.7	1278.0	1279.3	1284.1	1284.6	1285.0	1288.5	1283.7
5°	1184.8	1179.2	1182.0	1180.9	1182.0	1179.2	1184.8	1190.3	1191.3	1196.3	1199.6
7.5°	1097.4	1090.5	1083.3	1085.6	1083.3	1090.5	1097.4	1097.5	1106.0	1112.5	1116.7
10°	1036.2	1030.7	1027.4	1030.1	1027.4	1030.7	1036.2	1043.3	1046.6	1054.3	1062.6
12.5°	984.6	981.4	978.5	977.3	978.5	981.4	984.6	992.3	1000.0	1009.0	1018.1
15°	914.6	908.0	905.2	898.1	905.2	908.0	914.6	921.2	936.0	939.9	953.7
17.5°	849.9	847.7	840.6	837.6	840.6	847.7	849.9	855.6	862.4	876.6	887.0
20°	811.6	809.4	802.3	806.7	802.3	809.4	811.6	819.9	825.4	837.0	846.9
22.5°	780.0	775.1	772.8	771.5	772.8	775.1	780.0	783.8	791.1	801.8	813.0
25°	735.2	728.0	725.3	721.9	725.3	728.0	735.2	737.4	745.1	755.5	761.6
27.5°	690.5	686.6	683.0	682.2	683.0	686.6	690.5	693.6	700.3	709.4	720.3
30°	661.5	657.6	654.8	654.8	654.8	657.6	661.5	668.1	673.0	681.3	689.5
32.5°	635.4	632.5	629.7	629.3	629.7	632.5	635.4	639.0	644.8	654.0	662.7
35°	597.6	593.2	592.1	588.8	592.1	593.2	597.6	600.4	606.4	613.0	620.2
37.5°	558.3	554.6	554.6	554.2	554.6	554.6	558.3	563.1	568.2	574.1	582.9
40°	533.2	530.4	529.9	526.0	529.9	530.4	533.2	535.4	541.0	548.6	555.2
42.5°	506.4	504.9	503.0	501.4	503.0	504.9	506.4	510.8	515.4	520.9	529.3
45°	469.9	466.1	466.1	463.3	466.1	466.1	469.9	473.8	476.0	482.6	493.6
47.5°	432.3	429.3	429.7	426.8	429.7	429.3	432.3	433.5	437.0	443.5	449.6
50°	407.2	405.5	405.0	403.9	405.0	405.5	407.2	406.7	411.1	417.1	425.3
52.5°	382.1	381.3	383.4	381.0	383.4	381.3	382.1	383.4	386.4	390.3	398.1
55°	348.3	346.7	350.0	346.7	350.0	346.7	348.3	347.2	348.3	352.2	357.1
57.5°	309.5	307.9	310.9	309.2	310.9	307.9	309.5	309.7	313.0	313.6	318.0
60°	284.0	280.6	282.3	282.8	282.3	280.6	284.0	285.0	286.2	286.7	291.1
62.5°	253.6	251.6	252.8	250.3	252.8	251.6	253.6	256.0	258.4	261.1	263.8
65°	210.8	209.1	206.9	205.8	206.9	209.1	210.8	211.9	217.9	221.2	227.3
67.5°	177.1	173.1	173.0	173.9	173.0	173.1	177.1	176.8	181.2	183.9	188.0
70°	152.5	152.5	151.9	151.9	151.9	152.5	152.5	155.7	157.9	160.1	162.9
72.5°	135.3	134.9	133.8	133.4	133.8	134.9	135.3	136.4	137.7	139.9	142.6
75°	108.9	109.5	108.4	107.9	108.4	109.5	108.9	108.9	111.1	111.7	112.8
77.5°	80.5	78.1	79.3	78.1	79.3	78.1	80.5	82.7	83.4	85.9	85.9
80°	61.1	60.5	62.2	60.5	62.2	60.5	61.1	61.1	62.7	63.8	66.6
82.5°	48.3	47.8	48.5	47.3	48.5	47.8	48.3	47.9	48.7	50.2	49.8
85°	29.2	28.6	28.0	28.6	28.0	28.6	29.2	28.6	28.0	28.6	29.2
87.5°	13.7	13.3	13.5	13.5	13.5	13.3	13.7	13.3	13.4	13.2	13.0
90°	17.9	17.9	18.8	18.8	18.8	17.9	17.9	17.9	16.3	15.5	14.7
92.5°	56.3	54.4	53.2	51.9	53.2	54.4	56.3	66.8	78.8	104.7	144.2
95°	235.2	210.8	204.3	191.3	204.3	210.8	235.2	293.0	361.3	461.5	585.2
97.5°	541.9	496.3	472.7	462.3	472.7	496.3	541.9	592.2	687.2	784.7	871.6
100°	736.5	678.0	647.8	634.9	647.8	678.0	736.5	792.7	877.3	961.2	1001.1
102.5°	911.7	870.1	837.3	827.5	837.3	870.1	911.7	971.8	1029.1	1069.3	1044.7
105°	1131.3	1104.5	1088.2	1078.4	1088.2	1104.5	1131.3	1157.3	1166.3	1130.5	1019.0
107.5°	1223.6	1223.4	1218.1	1211.5	1218.1	1223.4	1223.6	1210.4	1167.9	1076.0	927.2
110°	1234.7	1250.1	1255.8	1255.8	1255.8	1250.1	1234.7	1198.1	1128.9	1014.1	859.5



TEST NUMBER: P333600-930

CATALOG NUMBER: S125RDIP-S1090D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1204.0	1230.6	1244.8	1250.6	1244.8	1230.6	1204.0	1150.6	1068.9	952.9	806.1
115°	1128.9	1167.9	1190.7	1201.3	1190.7	1167.9	1128.9	1065.4	976.6	865.2	739.0
117.5°	1045.4	1085.7	1108.3	1114.8	1108.3	1085.7	1045.4	981.9	900.5	804.5	695.7
120°	991.3	1030.4	1052.4	1058.9	1052.4	1030.4	991.3	931.1	859.5	770.0	672.3
122.5°	945.7	981.5	1003.6	1009.4	1003.6	981.5	945.7	892.0	824.9	745.2	654.7
125°	887.1	920.5	938.4	946.6	938.4	920.5	887.1	841.6	782.9	712.2	629.2
127.5°	842.9	872.3	889.2	892.8	889.2	872.3	842.9	801.5	746.7	680.6	603.1
130°	815.5	842.4	858.7	863.6	858.7	842.4	815.5	774.9	721.9	658.4	586.9
132.5°	786.8	813.8	828.7	834.2	828.7	813.8	786.8	746.2	695.2	637.6	570.5
135°	739.8	766.7	781.3	786.2	781.3	766.7	739.8	704.0	657.6	605.5	549.3
137.5°	691.6	716.1	729.6	734.9	729.6	716.1	691.6	659.6	620.2	576.9	531.5
140°	661.7	682.9	695.0	699.1	695.0	682.9	661.7	631.6	597.4	559.9	521.7
142.5°	633.1	650.9	662.5	665.9	662.5	650.9	633.1	607.5	577.9	545.6	513.2
145°	594.1	608.0	616.9	620.2	616.9	608.0	594.1	574.6	552.6	527.4	502.1
147.5°	563.7	574.8	580.0	581.5	580.0	574.8	563.7	548.2	531.7	512.3	491.8
150°	546.1	555.9	559.1	559.9	559.1	555.9	546.1	533.9	519.3	503.8	485.9
152.5°	531.2	539.0	542.2	543.0	542.2	539.0	531.2	520.9	509.5	495.3	479.4
155°	511.1	516.8	519.3	520.1	519.3	516.8	511.1	503.0	494.1	482.7	469.6
157.5°	492.8	497.4	499.7	499.5	499.7	497.4	492.8	486.4	479.4	470.6	459.8
160°	481.0	485.1	486.7	485.9	486.7	485.1	481.0	475.3	469.6	461.5	453.3
162.5°	469.9	473.4	473.7	473.5	473.7	473.4	469.9	465.5	460.5	453.6	446.2
165°	454.1	455.8	455.8	455.8	455.8	455.8	454.1	450.9	446.9	442.0	436.3
167.5°	438.9	440.3	439.7	439.5	439.7	440.3	438.9	437.2	434.3	430.6	426.8
170°	429.7	430.6	430.6	429.7	430.6	430.6	429.7	428.1	426.5	424.0	421.6
172.5°	421.3	422.7	421.4	420.6	421.4	422.7	421.3	420.9	420.0	418.2	415.7
175°	411.0	411.8	410.2	409.4	410.2	411.8	411.0	411.0	411.0	409.4	409.4
177.5°	405.0	405.6	403.7	403.7	403.7	405.6	405.0	405.6	405.6	405.6	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333600-930

CATALOG NUMBER: S125RDIP-S1090D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1285.0	1289.9	1292.5	1298.7	1307.5	1311.9	1318.0	1322.4	1328.6	1336.1	1342.2
5°	1201.8	1215.0	1223.8	1237.5	1250.3	1262.9	1278.9	1290.4	1305.8	1323.4	1337.2
7.5°	1124.5	1141.1	1155.7	1173.9	1194.7	1211.0	1231.8	1253.1	1277.2	1302.2	1325.8
10°	1075.2	1091.8	1109.9	1132.5	1153.4	1175.4	1200.1	1224.9	1255.2	1283.3	1315.2
12.5°	1026.4	1044.6	1065.0	1090.2	1115.5	1143.7	1168.9	1196.8	1229.2	1265.7	1299.8
15°	965.7	983.3	1005.3	1026.8	1056.0	1086.8	1120.4	1157.2	1193.5	1234.3	1276.7
17.5°	900.7	920.1	944.3	969.1	999.9	1035.9	1068.9	1109.2	1150.1	1197.5	1247.4
20°	858.4	878.2	906.9	934.4	962.5	997.7	1036.7	1078.0	1121.4	1171.6	1227.1
22.5°	825.0	839.1	867.2	895.2	928.1	964.2	1002.4	1045.5	1092.8	1144.7	1202.9
25°	775.3	791.8	812.2	841.4	875.5	913.5	951.9	997.7	1049.4	1102.2	1164.4
27.5°	731.2	744.8	764.9	787.7	821.8	861.2	902.1	949.7	1002.8	1056.6	1122.0
30°	699.9	714.8	734.1	758.3	785.2	828.2	870.0	916.8	970.7	1026.3	1093.4
32.5°	672.6	687.9	704.6	727.5	756.6	794.8	837.9	883.8	938.6	995.9	1061.3
35°	634.5	644.9	660.3	682.9	711.5	742.3	786.4	834.8	888.2	947.6	1013.1
37.5°	590.7	604.2	619.5	639.1	664.2	697.6	738.5	787.4	837.0	893.9	953.7
40°	565.2	577.8	594.8	609.2	635.6	665.9	703.3	754.4	804.0	857.4	911.8
42.5°	539.2	551.4	565.8	583.6	607.4	636.7	671.6	719.2	772.3	822.6	868.2
45°	498.6	511.2	525.0	541.4	563.5	592.1	626.8	670.3	716.5	762.7	797.4
47.5°	459.7	471.6	484.6	501.5	521.8	549.4	580.4	618.8	663.7	703.0	727.8
50°	431.9	443.0	457.3	473.8	493.6	519.4	549.2	587.2	624.6	660.3	682.9
52.5°	404.7	417.0	431.3	445.6	464.6	490.4	518.0	550.6	586.3	615.5	634.1
55°	363.7	375.3	388.5	403.3	422.1	444.1	473.3	499.1	527.2	552.0	563.0
57.5°	324.2	334.4	346.7	362.2	379.0	399.5	422.7	447.5	467.3	484.8	497.3
60°	298.2	307.0	318.6	331.8	350.0	368.7	389.6	412.7	428.1	443.0	454.5
62.5°	271.8	280.2	291.3	303.2	319.2	336.6	356.6	375.3	390.3	400.3	413.6
65°	232.2	240.4	249.8	262.4	275.2	289.4	307.6	321.4	331.8	342.8	351.1
67.5°	195.3	202.2	211.1	221.0	231.7	245.4	259.5	270.9	278.1	284.7	294.6
70°	171.1	176.7	183.8	191.5	203.1	216.8	227.8	236.6	241.6	248.2	260.2
72.5°	146.5	152.9	159.6	167.3	176.7	188.2	197.9	206.7	209.9	215.2	222.9
75°	115.5	118.9	124.3	129.9	136.5	146.3	155.7	157.9	160.7	165.1	170.6
77.5°	87.4	90.3	92.5	96.2	101.5	109.4	114.4	117.6	118.3	119.9	125.4
80°	69.3	71.0	73.2	75.9	78.1	84.7	87.5	90.8	91.9	93.5	96.3
82.5°	50.9	52.5	53.8	56.1	59.7	62.3	65.1	68.3	68.6	69.8	70.4
85°	29.7	30.2	29.2	30.2	30.8	31.9	34.7	37.4	36.9	36.3	38.0
87.5°	13.4	13.2	12.4	13.5	12.4	12.6	12.3	12.4	13.0	13.5	14.3
90°	13.9	13.0	11.4	10.6	9.0	8.2	6.5	4.9	3.3	1.6	0.8
92.5°	212.4	262.4	266.6	185.7	111.2	66.8	43.0	28.9	18.9	12.1	9.9
95°	705.6	721.1	588.5	363.8	184.7	97.7	61.1	43.1	34.2	27.6	26.8
97.5°	892.8	770.1	525.5	290.4	159.2	101.6	75.2	59.1	50.1	45.6	44.6
100°	938.4	734.9	468.8	263.7	157.9	110.7	86.3	70.8	61.9	58.6	57.0
102.5°	911.1	673.1	425.8	252.7	163.8	121.7	98.0	83.8	74.2	71.6	70.7
105°	823.7	590.0	384.2	248.3	175.8	140.0	117.2	104.2	96.0	92.0	92.0
107.5°	734.4	533.0	366.6	255.8	193.7	159.1	138.5	125.0	118.3	114.5	112.8
110°	683.6	506.2	361.3	262.9	206.8	173.3	152.2	140.0	132.6	129.4	127.8



TEST NUMBER: P333600-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	645.9	490.6	361.3	272.0	219.1	187.0	166.5	154.3	147.0	144.4	142.8
115°	604.7	473.7	363.8	285.7	238.5	208.4	188.0	175.8	168.4	166.0	164.4
117.5°	580.2	465.4	369.2	301.3	258.4	229.8	210.2	196.3	189.0	186.4	183.9
120°	566.5	461.5	374.4	311.7	272.6	244.2	223.8	210.0	202.7	199.4	197.0
122.5°	554.7	458.2	379.0	323.4	286.3	257.9	237.5	222.3	215.0	212.4	210.7
125°	538.8	454.1	386.6	339.4	304.4	277.5	256.4	240.9	233.6	229.5	227.9
127.5°	524.2	452.2	395.3	354.0	321.8	296.0	274.8	258.4	249.1	243.9	241.4
130°	514.4	450.9	400.5	363.8	332.9	307.6	286.5	269.4	258.9	252.3	249.9
132.5°	506.5	450.9	406.3	372.3	343.3	318.0	296.9	279.2	267.3	259.4	256.4
135°	497.3	450.9	414.3	384.2	357.3	332.1	310.1	293.0	280.0	270.2	266.9
137.5°	489.0	451.8	421.6	393.0	367.2	344.3	321.6	304.9	291.9	282.7	280.3
140°	485.1	452.5	424.9	398.8	374.4	350.8	328.8	313.3	300.4	290.6	288.1
142.5°	481.8	453.1	426.8	402.0	379.0	356.6	336.0	321.1	308.1	299.1	297.3
145°	477.0	452.5	428.9	406.9	386.6	365.4	346.7	332.1	320.7	312.5	310.9
147.5°	471.9	450.4	429.7	409.9	391.5	372.9	356.4	343.8	333.2	326.2	325.2
150°	468.0	448.4	429.7	411.8	394.8	376.8	363.0	351.6	341.0	335.3	333.7
152.5°	463.4	445.9	429.1	413.1	398.0	381.4	368.8	358.1	348.9	343.8	342.8
155°	455.8	441.2	427.3	414.3	401.2	387.4	376.0	367.9	359.7	354.8	354.8
157.5°	448.6	436.3	425.2	415.1	404.0	392.2	383.5	376.3	369.3	365.4	365.6
160°	442.8	433.0	423.2	415.1	405.3	394.8	387.4	380.9	375.2	371.9	372.8
162.5°	437.6	429.1	421.3	414.4	406.6	397.4	391.3	386.1	381.1	377.8	378.6
165°	429.7	423.2	418.3	413.4	406.9	400.5	395.6	392.3	388.2	385.8	387.4
167.5°	422.1	417.5	413.8	411.5	406.9	401.5	398.5	396.2	394.0	392.5	393.3
170°	417.5	414.3	411.8	410.2	406.9	402.8	400.5	398.8	397.2	396.4	397.2
172.5°	412.9	410.3	409.2	408.9	406.3	402.8	401.7	400.7	399.2	398.4	399.8
175°	406.9	406.1	406.1	406.9	405.3	402.8	402.8	402.8	402.0	401.2	402.8
177.5°	404.3	403.7	403.7	405.0	404.3	403.0	403.0	403.7	403.0	403.0	404.3
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



TEST NUMBER: P333600-930

CATALOG NUMBER: S125RDIP-S1090D1035U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1347.1	1351.0	1356.7	1363.3	1368.6	1374.4	1377.4	1377.4	1380.1	1385.8	1393.3
5°	1351.0	1365.2	1379.0	1396.6	1410.4	1426.3	1438.4	1450.0	1460.4	1473.7	1487.4
7.5°	1349.8	1373.6	1398.4	1426.1	1456.7	1481.0	1506.0	1525.6	1545.0	1570.3	1590.2
10°	1345.4	1376.2	1409.8	1445.0	1483.5	1517.1	1547.4	1574.9	1601.3	1628.8	1653.6
12.5°	1337.5	1376.7	1417.7	1460.0	1508.6	1547.0	1586.2	1615.4	1646.3	1676.3	1706.8
15°	1325.6	1371.8	1421.4	1480.3	1539.7	1582.6	1621.1	1659.1	1687.7	1721.8	1751.0
17.5°	1301.1	1360.7	1422.9	1487.3	1544.4	1594.2	1634.7	1670.8	1701.3	1738.8	1778.4
20°	1286.5	1351.0	1415.8	1484.7	1539.1	1590.3	1629.4	1666.8	1704.8	1753.7	1802.1
22.5°	1266.3	1335.1	1403.9	1469.3	1526.8	1576.2	1616.6	1662.4	1712.2	1767.8	1826.4
25°	1234.3	1305.3	1373.5	1435.7	1491.8	1542.5	1597.5	1659.1	1719.6	1792.8	1877.0
27.5°	1193.7	1262.1	1323.0	1388.7	1444.5	1508.9	1577.5	1644.4	1731.6	1832.3	1937.4
30°	1163.3	1228.2	1286.0	1348.2	1411.4	1482.5	1559.5	1638.2	1742.2	1860.5	1985.4
32.5°	1128.0	1186.8	1244.1	1304.2	1377.1	1455.1	1537.0	1633.4	1757.6	1892.2	2021.5
35°	1067.0	1119.8	1175.4	1241.9	1319.6	1404.4	1508.9	1626.1	1776.3	1921.0	2037.1
37.5°	1002.9	1044.6	1100.4	1170.7	1255.2	1353.2	1471.9	1614.3	1768.6	1898.4	1947.9
40°	953.7	992.7	1051.6	1125.4	1208.9	1316.3	1449.4	1595.8	1751.0	1841.3	1837.4
42.5°	904.7	944.3	1000.9	1075.1	1162.3	1282.4	1419.5	1571.6	1702.6	1736.9	1665.2
45°	829.8	866.7	922.3	997.1	1090.6	1216.7	1360.8	1506.7	1590.3	1534.7	1392.8
47.5°	753.4	789.2	840.8	914.1	1016.3	1148.1	1284.4	1404.1	1415.8	1296.5	1126.2
50°	703.3	736.8	785.8	864.0	963.0	1091.8	1223.3	1317.4	1288.2	1142.4	966.9
52.5°	654.4	686.6	732.5	806.2	907.5	1033.6	1151.0	1224.9	1157.5	1002.4	844.5
55°	582.2	613.0	659.3	726.9	818.8	934.4	1037.3	1064.2	965.2	808.9	681.3
57.5°	513.6	536.2	581.9	641.7	730.3	832.3	906.0	901.2	791.8	651.1	559.5
60°	468.3	488.6	532.1	587.2	671.3	762.7	814.4	792.4	681.8	565.7	477.6
62.5°	426.0	445.1	481.5	532.1	604.5	683.9	721.5	691.1	586.7	484.7	414.7
65°	362.1	375.9	405.0	451.8	508.4	563.5	597.0	552.4	460.1	383.0	330.2
67.5°	302.3	314.2	340.1	373.7	412.8	450.8	464.5	422.7	350.7	298.8	261.6
70°	263.6	274.6	292.2	323.6	349.4	376.4	383.0	345.6	285.6	246.0	222.9
72.5°	226.6	236.8	252.2	274.3	292.2	307.7	310.8	276.1	230.2	202.8	185.0
75°	172.8	181.6	191.5	199.7	211.3	214.1	213.0	186.0	161.3	143.1	133.1
77.5°	127.0	130.6	136.7	140.0	140.6	140.3	134.7	117.6	104.8	97.4	93.4
80°	97.9	100.7	102.3	103.5	104.0	98.5	92.5	82.0	77.6	73.2	68.2
82.5°	71.1	73.0	74.6	74.8	71.8	67.3	61.6	56.4	53.4	51.2	49.3
85°	38.5	39.1	38.5	35.8	31.9	30.2	29.2	28.0	27.5	27.0	27.0
87.5°	13.9	13.0	11.1	11.9	12.2	11.9	12.2	12.0	11.8	12.0	12.1
90°	1.6	3.3	4.9	6.5	8.2	9.0	10.6	11.4	13.0	13.9	14.7
92.5°	12.1	18.9	28.9	43.0	66.8	111.2	185.7	266.6	262.4	212.4	144.2
95°	27.6	34.2	43.1	61.1	97.7	184.7	363.8	588.5	721.1	705.6	585.2
97.5°	45.6	50.1	59.1	75.2	101.6	159.2	290.4	525.5	770.1	892.8	871.6
100°	58.6	61.9	70.8	86.3	110.7	157.9	263.7	468.8	734.9	938.4	1001.1
102.5°	71.6	74.2	83.8	98.0	121.7	163.8	252.7	425.8	673.1	911.1	1044.7
105°	92.0	96.0	104.2	117.2	140.0	175.8	248.3	384.2	590.0	823.7	1019.0
107.5°	114.5	118.3	125.0	138.5	159.1	193.7	255.8	366.6	533.0	734.4	927.2
110°	129.4	132.6	140.0	152.2	173.3	206.8	262.9	361.3	506.2	683.6	859.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	144.4	147.0	154.3	166.5	187.0	219.1	272.0	361.3	490.6	645.9	806.1
115°	166.0	168.4	175.8	188.0	208.4	238.5	285.7	363.8	473.7	604.7	739.0
117.5°	186.4	189.0	196.3	210.2	229.8	258.4	301.3	369.2	465.4	580.2	695.7
120°	199.4	202.7	210.0	223.8	244.2	272.6	311.7	374.4	461.5	566.5	672.3
122.5°	212.4	215.0	222.3	237.5	257.9	286.3	323.4	379.0	458.2	554.7	654.7
125°	229.5	233.6	240.9	256.4	277.5	304.4	339.4	386.6	454.1	538.8	629.2
127.5°	243.9	249.1	258.4	274.8	296.0	321.8	354.0	395.3	452.2	524.2	603.1
130°	252.3	258.9	269.4	286.5	307.6	332.9	363.8	400.5	450.9	514.4	586.9
132.5°	259.4	267.3	279.2	296.9	318.0	343.3	372.3	406.3	450.9	506.5	570.5
135°	270.2	280.0	293.0	310.1	332.1	357.3	384.2	414.3	450.9	497.3	549.3
137.5°	282.7	291.9	304.9	321.6	344.3	367.2	393.0	421.6	451.8	489.0	531.5
140°	290.6	300.4	313.3	328.8	350.8	374.4	398.8	424.9	452.5	485.1	521.7
142.5°	299.1	308.1	321.1	336.0	356.6	379.0	402.0	426.8	453.1	481.8	513.2
145°	312.5	320.7	332.1	346.7	365.4	386.6	406.9	428.9	452.5	477.0	502.1
147.5°	326.2	333.2	343.8	356.4	372.9	391.5	409.9	429.7	450.4	471.9	491.8
150°	335.3	341.0	351.6	363.0	376.8	394.8	411.8	429.7	448.4	468.0	485.9
152.5°	343.8	348.9	358.1	368.8	381.4	398.0	413.1	429.1	445.9	463.4	479.4
155°	354.8	359.7	367.9	376.0	387.4	401.2	414.3	427.3	441.2	455.8	469.6
157.5°	365.4	369.3	376.3	383.5	392.2	404.0	415.1	425.2	436.3	448.6	459.8
160°	371.9	375.2	380.9	387.4	394.8	405.3	415.1	423.2	433.0	442.8	453.3
162.5°	377.8	381.1	386.1	391.3	397.4	406.6	414.4	421.3	429.1	437.6	446.2
165°	385.8	388.2	392.3	395.6	400.5	406.9	413.4	418.3	423.2	429.7	436.3
167.5°	392.5	394.0	396.2	398.5	401.5	406.9	411.5	413.8	417.5	422.1	426.8
170°	396.4	397.2	398.8	400.5	402.8	406.9	410.2	411.8	414.3	417.5	421.6
172.5°	398.4	399.2	400.7	401.7	402.8	406.3	408.9	409.2	410.3	412.9	415.7
175°	401.2	402.0	402.8	402.8	402.8	405.3	406.9	406.1	406.1	406.9	409.4
177.5°	403.0	403.0	403.7	403.0	403.0	404.3	405.0	403.7	403.7	404.3	405.0
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1399.1	1399.1	1406.6	1406.1	1411.0	1409.2	1410.1
5°	1503.9	1513.3	1521.5	1527.1	1535.3	1537.5	1536.4
7.5°	1612.7	1633.5	1643.6	1657.4	1659.9	1667.2	1666.5
10°	1680.0	1700.4	1715.8	1727.9	1733.9	1741.6	1742.2
12.5°	1732.8	1750.1	1763.7	1775.0	1782.3	1784.8	1786.2
15°	1774.1	1793.3	1809.3	1825.3	1834.7	1841.8	1845.7
17.5°	1815.7	1845.4	1873.6	1895.2	1908.3	1919.3	1919.1
20°	1847.9	1882.0	1917.2	1942.0	1967.2	1978.2	1979.9
22.5°	1882.2	1934.4	1979.7	2018.1	2051.3	2062.8	2067.1
25°	1953.5	2021.7	2091.7	2145.5	2184.0	2206.6	2210.0
27.5°	2039.6	2132.0	2205.5	2255.3	2287.3	2304.0	2307.6
30°	2100.5	2185.7	2251.8	2289.2	2304.0	2306.2	2298.0
32.5°	2127.7	2191.4	2217.9	2215.7	2186.5	2167.1	2159.7
35°	2094.3	2081.1	2016.8	1939.8	1880.9	1843.5	1833.5
37.5°	1905.9	1792.0	1673.6	1557.2	1495.3	1463.7	1409.6
40°	1720.2	1557.9	1434.6	1336.6	1266.7	1210.6	1197.4
42.5°	1510.7	1343.0	1219.8	1135.9	1080.1	1041.5	1024.8
45°	1213.9	1069.8	967.9	903.6	860.6	832.6	819.9
47.5°	970.9	859.3	785.1	737.5	704.8	680.4	673.5
50°	837.6	748.4	685.7	645.5	620.7	602.0	594.3
52.5°	727.5	655.5	607.3	574.1	550.7	539.1	532.6
55°	600.4	538.2	503.5	477.1	463.9	454.5	450.1
57.5°	491.0	446.1	420.8	402.5	390.3	384.3	382.1
60°	429.7	394.5	371.5	357.1	348.9	341.2	339.0
62.5°	375.6	347.9	330.0	317.5	309.2	306.0	304.6
65°	302.6	284.5	271.3	263.6	257.0	255.8	255.4
67.5°	240.6	229.9	223.0	214.9	212.6	208.8	208.0
70°	205.8	198.7	190.4	187.7	184.9	181.1	181.6
72.5°	174.6	167.4	161.8	158.2	157.2	155.5	156.9
75°	127.7	125.5	123.3	120.5	119.4	119.4	118.9
77.5°	91.2	89.3	86.8	85.2	84.9	82.5	83.4
80°	66.0	63.3	62.2	62.7	61.1	60.5	60.5
82.5°	48.8	47.9	46.8	46.9	46.6	46.0	46.5
85°	27.0	26.4	26.4	25.8	25.8	25.3	25.3
87.5°	12.8	13.4	12.8	12.4	12.4	13.0	13.5
90°	15.5	16.3	17.9	17.9	17.9	18.8	18.8
92.5°	104.7	78.8	66.8	56.3	54.4	53.2	51.9
95°	461.5	361.3	293.0	235.2	210.8	204.3	191.3
97.5°	784.7	687.2	592.2	541.9	496.3	472.7	462.3
100°	961.2	877.3	792.7	736.5	678.0	647.8	634.9
102.5°	1069.3	1029.1	971.8	911.7	870.1	837.3	827.5
105°	1130.5	1166.3	1157.3	1131.3	1104.5	1088.2	1078.4
107.5°	1076.0	1167.9	1210.4	1223.6	1223.4	1218.1	1211.5
110°	1014.1	1128.9	1198.1	1234.7	1250.1	1255.8	1255.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	952.9	1068.9	1150.6	1204.0	1230.6	1244.8	1250.6
115°	865.2	976.6	1065.4	1128.9	1167.9	1190.7	1201.3
117.5°	804.5	900.5	981.9	1045.4	1085.7	1108.3	1114.8
120°	770.0	859.5	931.1	991.3	1030.4	1052.4	1058.9
122.5°	745.2	824.9	892.0	945.7	981.5	1003.6	1009.4
125°	712.2	782.9	841.6	887.1	920.5	938.4	946.6
127.5°	680.6	746.7	801.5	842.9	872.3	889.2	892.8
130°	658.4	721.9	774.9	815.5	842.4	858.7	863.6
132.5°	637.6	695.2	746.2	786.8	813.8	828.7	834.2
135°	605.5	657.6	704.0	739.8	766.7	781.3	786.2
137.5°	576.9	620.2	659.6	691.6	716.1	729.6	734.9
140°	559.9	597.4	631.6	661.7	682.9	695.0	699.1
142.5°	545.6	577.9	607.5	633.1	650.9	662.5	665.9
145°	527.4	552.6	574.6	594.1	608.0	616.9	620.2
147.5°	512.3	531.7	548.2	563.7	574.8	580.0	581.5
150°	503.8	519.3	533.9	546.1	555.9	559.1	559.9
152.5°	495.3	509.5	520.9	531.2	539.0	542.2	543.0
155°	482.7	494.1	503.0	511.1	516.8	519.3	520.1
157.5°	470.6	479.4	486.4	492.8	497.4	499.7	499.5
160°	461.5	469.6	475.3	481.0	485.1	486.7	485.9
162.5°	453.6	460.5	465.5	469.9	473.4	473.7	473.5
165°	442.0	446.9	450.9	454.1	455.8	455.8	455.8
167.5°	430.6	434.3	437.2	438.9	440.3	439.7	439.5
170°	424.0	426.5	428.1	429.7	430.6	430.6	429.7
172.5°	418.2	420.0	420.9	421.3	422.7	421.4	420.6
175°	409.4	411.0	411.0	411.0	411.8	410.2	409.4
177.5°	405.6	405.6	405.6	405.0	405.6	403.7	403.7
180°	403.7	403.7	403.7	403.7	403.7	403.7	403.7

(END OF REPORT)