

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: P333594-935

Luminaire Tested: **S125RDIP-S1090D810U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333594-935
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-S1090D810U935-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6173.6 lumens
Efficiency: N/A
Efficacy: 113.5 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

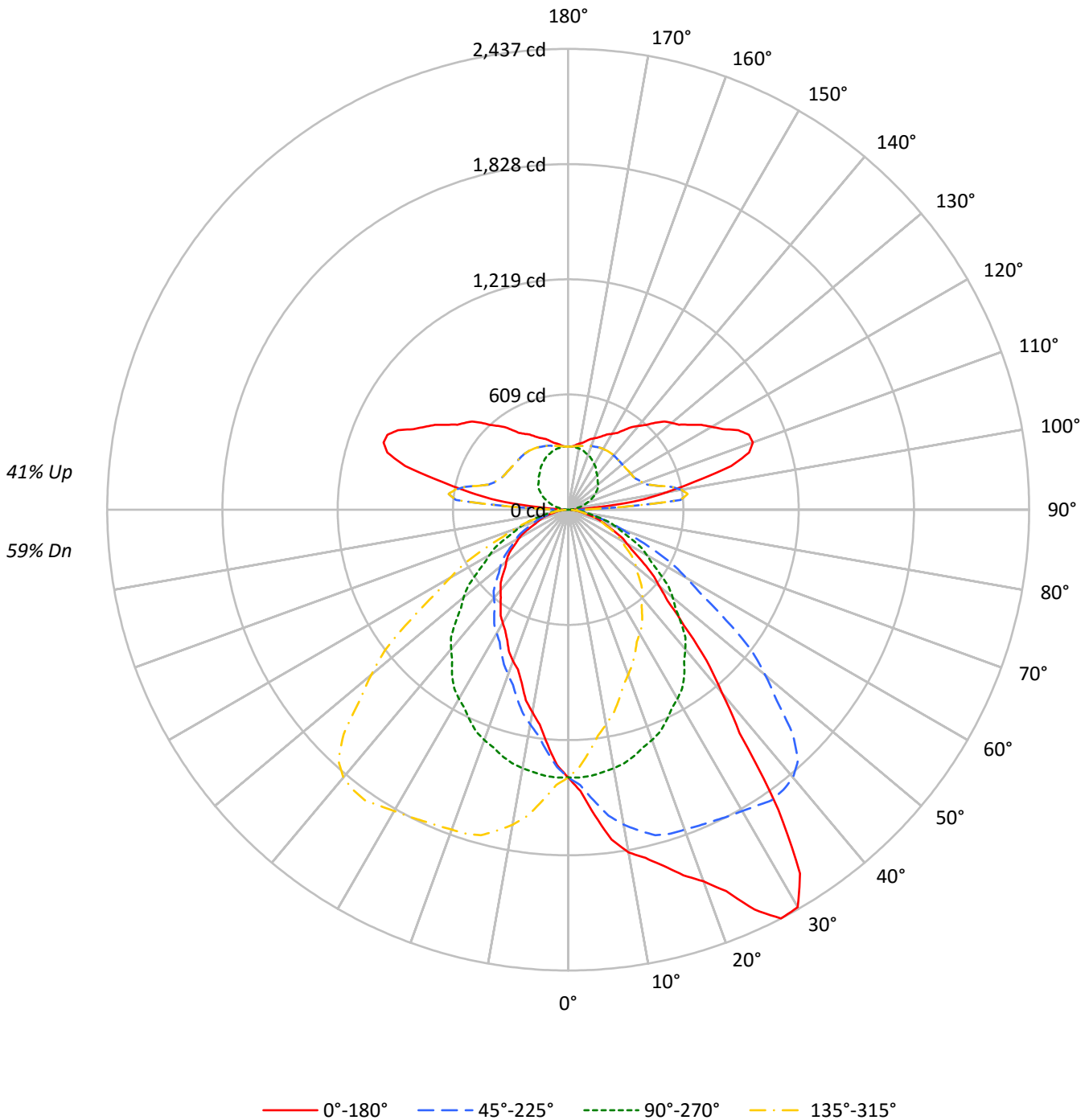
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	59
1	100	96	92	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51
2	92	85	79	74	86	79	74	70	69	65	62	60	57	55	52	50	48	44
3	84	75	68	62	78	70	64	59	62	57	53	54	50	47	46	43	41	37
4	77	66	59	53	72	62	56	50	55	50	45	48	44	40	42	38	36	32
5	71	59	51	45	66	56	49	43	49	44	39	43	39	35	38	34	31	28
6	65	53	45	40	61	50	43	38	45	39	34	39	35	31	34	31	28	25
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	31	28	25	22
8	56	44	36	31	53	42	35	30	37	31	27	33	28	25	29	25	22	20
9	52	40	33	28	49	38	31	27	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9143	9143	9143	9143
5°	10519	9155	8085	9155
10°	12066	9108	7134	9108
15°	13032	9014	6341	9014
20°	14370	8906	5856	8906
25°	16631	8763	5433	8763
30°	18098	8611	5158	8611
35°	15266	8435	4902	8435
40°	10662	8118	4683	8118
45°	7909	7691	4469	7691
50°	6306	7246	4285	7246
55°	5353	6694	4122	6694
60°	4624	6200	3858	6200
65°	4121	5665	3321	5665
70°	3620	5189	3029	5189
75°	3132	4494	2842	4494
80°	2377	3782	2377	3782
85°	1979	2971	2238	2971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	2.2
10°-20°	397.8	6.4
20°-30°	630.8	10.2
30°-40°	760.7	12.3
40°-50°	679.3	11.0
50°-60°	520.9	8.4
60°-70°	338.5	5.5
70°-80°	164.6	2.7
80°-90°	41.1	0.7
90°-100°	242.0	3.9
100°-110°	520.3	8.4
110°-120°	488.3	7.9
120°-130°	395.7	6.4
130°-140°	317.6	5.1
140°-150°	239.7	3.9
150°-160°	168.7	2.7
160°-170°	99.4	1.6
170°-180°	32.3	0.5
0°-30°	1164.4	18.9
0°-40°	1925.0	31.2
0°-60°	3125.2	50.6
0°-90°	3669.5	59.4
90°-120°	1250.6	20.3
90°-150°	2203.6	35.7
90°-180°	2504.0	40.6
0°-180°	6173.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1416	1416	1416	1416	1416	
5°	1622	1412	1247	1412	1622	162
15°	1949	1348	948	1348	1949	559
25°	2334	1230	762	1230	2334	1072
35°	1936	1070	622	1070	1936	1170
45°	866	842	489	842	866	691
55°	475	594	366	594	475	431
65°	270	371	217	371	270	268
75°	126	180	114	180	126	134
85°	27	40	30	40	27	31
90°	16	1	16	1	16	12
95°	158	22	158	22	158	224
105°	892	76	892	76	892	887
115°	994	136	994	136	994	971
125°	783	188	783	188	783	708
135°	650	221	650	221	650	504
145°	513	257	513	257	513	326
155°	430	294	430	294	430	201
165°	377	320	377	320	377	108
175°	339	333	339	333	339	33
180°	334	334	334	334	334	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1489.1	1488.2	1490.0	1484.9	1485.4	1477.5	1477.5	1471.4	1463.5	1457.5	1454.7
5°	1622.5	1623.7	1621.3	1612.7	1606.8	1598.1	1588.2	1570.8	1556.3	1542.3	1531.3
7.5°	1759.9	1760.7	1753.0	1750.3	1735.7	1725.0	1703.1	1679.3	1658.3	1631.6	1611.1
10°	1839.9	1839.3	1831.1	1824.7	1812.0	1795.7	1774.2	1746.3	1720.1	1691.1	1663.2
12.5°	1886.4	1884.8	1882.2	1874.5	1862.6	1848.2	1830.0	1802.5	1770.3	1738.5	1706.0
15°	1949.1	1945.0	1937.5	1927.6	1910.7	1893.9	1873.5	1849.2	1818.3	1782.3	1752.1
17.5°	2026.7	2026.9	2015.3	2001.5	1978.6	1948.9	1917.4	1878.1	1836.3	1796.6	1764.4
20°	2090.9	2089.1	2077.5	2050.8	2024.6	1987.4	1951.5	1903.2	1852.0	1800.4	1760.2
22.5°	2183.0	2178.4	2166.3	2131.2	2090.7	2042.8	1987.7	1928.7	1866.9	1808.2	1755.6
25°	2333.8	2330.3	2306.4	2265.8	2208.9	2135.0	2063.0	1982.2	1893.3	1816.0	1752.1
27.5°	2437.0	2433.2	2415.5	2381.7	2329.2	2251.5	2154.0	2046.0	1935.0	1828.7	1736.6
30°	2426.8	2435.5	2433.2	2417.5	2378.0	2308.3	2218.2	2096.7	1964.8	1839.9	1730.0
32.5°	2280.8	2288.6	2309.0	2339.9	2342.2	2314.3	2247.0	2134.8	1998.3	1856.1	1724.9
35°	1936.3	1946.8	1986.3	2048.5	2129.9	2197.8	2211.7	2151.3	2028.7	1875.9	1717.3
37.5°	1488.6	1545.8	1579.1	1644.5	1767.5	1892.5	2012.8	2057.1	2004.8	1867.8	1704.8
40°	1264.6	1278.5	1337.7	1411.5	1515.0	1645.2	1816.6	1940.3	1944.5	1849.2	1685.2
42.5°	1082.3	1099.9	1140.7	1199.5	1288.1	1418.3	1595.3	1758.6	1834.3	1798.0	1659.7
45°	865.9	879.3	908.9	954.2	1022.2	1129.7	1281.9	1470.8	1620.7	1679.5	1591.1
47.5°	711.3	718.5	744.3	778.9	829.1	907.5	1025.4	1189.3	1369.2	1495.2	1482.8
50°	627.6	635.8	655.5	681.7	724.1	790.3	884.5	1021.1	1206.4	1360.4	1391.2
52.5°	562.5	569.3	581.6	606.3	641.4	692.2	768.3	891.8	1058.6	1222.4	1293.6
55°	475.4	480.0	489.9	503.9	531.8	568.3	634.0	719.5	854.3	1019.3	1123.9
57.5°	403.6	405.9	412.2	425.1	444.4	471.1	518.5	590.9	687.6	836.2	951.7
60°	358.0	360.3	368.4	377.1	392.3	416.6	453.8	504.4	597.4	720.1	836.8
62.5°	321.7	323.1	326.6	335.3	348.5	367.4	396.7	437.9	511.9	619.6	729.9
65°	269.7	270.2	271.4	278.4	286.5	300.4	319.6	348.7	404.5	485.9	583.4
67.5°	219.6	220.5	224.5	227.0	235.5	242.8	254.1	276.3	315.6	370.4	446.3
70°	191.7	191.2	195.3	198.2	201.0	209.8	217.3	235.4	259.8	301.6	365.0
72.5°	165.7	164.2	166.0	167.0	170.8	176.8	184.3	195.4	214.2	243.1	291.5
75°	125.5	126.1	126.1	127.3	130.2	132.5	134.8	140.6	151.1	170.3	196.4
77.5°	88.1	87.1	89.6	90.0	91.7	94.3	96.3	98.6	102.9	110.7	124.2
80°	63.9	63.9	64.5	66.2	65.7	66.8	69.7	72.1	77.3	82.0	86.6
82.5°	49.1	48.6	49.2	49.5	49.4	50.5	51.6	52.1	54.1	56.4	59.6
85°	26.7	26.7	27.3	27.3	27.9	27.9	28.5	28.5	28.5	29.0	29.6
87.5°	13.3	12.8	12.2	12.2	12.7	13.3	12.8	12.2	12.1	11.9	12.1
90°	15.5	15.5	14.8	14.8	14.8	13.4	12.8	12.1	11.5	10.8	9.4
92.5°	43.0	44.0	44.9	46.6	55.2	65.2	86.6	119.3	175.7	217.1	220.5
95°	158.2	169.0	174.4	194.6	242.4	298.9	381.7	484.1	583.7	596.5	486.7
97.5°	382.4	391.0	410.5	448.2	489.8	568.4	649.1	720.9	738.5	637.0	434.6
100°	525.1	535.9	560.8	609.2	655.7	725.7	795.0	828.0	776.2	608.0	387.8
102.5°	684.5	692.6	719.6	754.1	803.8	851.2	884.5	864.1	753.6	556.7	352.2
105°	892.0	900.1	913.5	935.7	957.3	964.8	935.1	842.8	681.3	488.1	317.8
107.5°	1002.1	1007.5	1011.9	1012.1	1001.2	966.0	890.0	766.9	607.5	440.8	303.2
110°	1038.8	1038.8	1034.1	1021.2	990.9	933.8	838.8	710.9	565.5	418.7	298.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1034.5	1029.6	1017.9	995.9	951.7	884.2	788.2	666.8	534.3	405.8	298.9
115°	993.7	984.9	966.0	933.8	881.2	807.9	715.7	611.3	500.2	391.8	300.9
117.5°	922.1	916.8	898.0	864.7	812.2	744.9	665.4	575.5	479.8	385.0	305.4
120°	875.8	870.5	852.3	819.9	770.2	710.9	636.9	556.0	468.6	381.7	309.7
122.5°	834.9	830.1	811.9	782.3	737.9	682.3	616.4	541.6	458.8	379.0	313.4
125°	782.9	776.2	761.4	733.8	696.1	647.6	589.1	520.4	445.7	375.7	319.8
127.5°	738.5	735.6	721.5	697.2	663.0	617.6	562.9	498.9	433.5	374.0	326.9
130°	714.3	710.2	696.8	674.6	640.9	597.1	544.7	485.3	425.5	373.0	331.2
132.5°	690.0	685.4	673.0	650.8	617.2	575.1	527.4	471.9	419.0	373.0	336.0
135°	650.3	646.3	634.1	611.9	582.3	544.0	500.8	454.4	411.3	373.0	342.7
137.5°	608.0	603.5	592.3	572.1	545.5	513.0	477.2	439.6	404.5	373.8	348.7
140°	578.2	574.9	564.8	547.3	522.4	494.1	463.1	431.5	401.2	374.3	351.4
142.5°	550.8	548.0	538.5	523.7	502.5	477.9	451.3	424.6	398.6	374.9	353.0
145°	513.0	510.3	502.9	491.5	475.3	457.1	436.3	415.3	394.5	374.3	354.8
147.5°	481.0	479.7	475.4	466.2	453.5	439.7	423.7	406.7	390.3	372.6	355.4
150°	463.1	462.5	459.8	451.8	441.6	429.5	416.7	401.9	387.1	370.9	355.4
152.5°	449.2	448.5	445.8	439.4	430.8	421.5	409.7	396.5	383.3	368.8	354.9
155°	430.2	429.5	427.5	422.8	416.0	408.6	399.2	388.5	377.0	364.9	353.4
157.5°	413.2	413.4	411.5	407.6	402.3	396.5	389.3	380.4	371.1	360.8	351.7
160°	401.9	402.6	401.2	397.9	393.1	388.5	381.7	375.0	366.3	358.2	350.1
162.5°	391.7	391.8	391.5	388.7	385.0	380.9	375.2	369.0	361.9	354.9	348.4
165°	377.0	377.0	377.0	375.7	373.0	369.6	365.6	360.8	355.4	350.1	346.0
167.5°	363.5	363.7	364.2	363.0	361.6	359.2	356.1	353.0	349.1	345.3	342.2
170°	355.4	356.1	356.1	355.4	354.1	352.8	350.8	348.7	345.3	342.7	340.6
172.5°	347.9	348.6	349.7	348.4	348.2	347.4	345.9	343.9	341.6	339.4	338.5
175°	338.6	339.3	340.6	340.0	340.0	340.0	338.6	338.6	336.6	336.0	336.0
177.5°	333.9	333.9	335.5	335.0	335.5	335.5	335.5	335.0	334.4	333.9	333.9
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1454.7	1451.4	1445.4	1439.8	1432.8	1426.8	1422.6	1417.5	1411.0	1403.1	1396.5
5°	1519.1	1506.2	1489.4	1474.9	1456.3	1441.7	1426.7	1412.1	1397.6	1379.0	1362.7
7.5°	1590.4	1564.0	1538.3	1506.1	1476.8	1450.6	1425.5	1400.1	1375.2	1348.8	1323.4
10°	1634.1	1602.1	1566.7	1526.0	1488.8	1453.4	1420.8	1388.9	1355.2	1325.5	1293.6
12.5°	1675.1	1633.7	1593.2	1541.9	1497.2	1453.9	1412.5	1372.6	1336.6	1298.1	1263.9
15°	1712.0	1671.3	1626.0	1563.2	1501.1	1448.7	1399.9	1348.2	1303.5	1260.4	1222.1
17.5°	1726.3	1683.6	1631.0	1570.6	1502.7	1436.9	1374.0	1317.3	1264.6	1214.5	1171.4
20°	1720.7	1679.5	1625.4	1567.9	1495.2	1426.7	1358.7	1295.9	1237.3	1184.3	1138.4
22.5°	1707.2	1664.6	1612.4	1551.6	1482.6	1409.9	1337.3	1270.3	1208.8	1154.1	1104.1
25°	1687.0	1628.9	1575.5	1516.1	1450.5	1378.5	1303.5	1229.7	1164.0	1108.2	1053.6
27.5°	1665.9	1593.5	1525.4	1466.5	1397.1	1332.8	1260.6	1184.9	1115.9	1059.0	1003.0
30°	1646.9	1565.6	1490.6	1423.7	1358.1	1297.1	1228.5	1154.7	1083.8	1025.1	968.2
32.5°	1623.2	1536.7	1454.3	1377.3	1313.9	1253.4	1191.3	1120.8	1051.7	991.2	933.3
35°	1593.5	1483.1	1393.5	1311.6	1241.3	1182.6	1126.8	1069.9	1000.7	938.0	881.6
37.5°	1554.4	1429.1	1325.5	1236.3	1162.1	1103.2	1059.1	1007.1	944.0	883.9	831.6
40°	1530.7	1390.1	1276.7	1188.4	1110.5	1048.4	1007.1	962.9	905.4	849.0	796.7
42.5°	1499.1	1354.3	1227.4	1135.4	1057.0	997.2	955.5	916.9	868.7	815.5	759.5
45°	1437.1	1284.9	1151.8	1053.0	974.0	915.2	876.3	842.1	805.5	756.6	707.8
47.5°	1356.4	1212.5	1073.2	965.4	887.9	833.4	795.7	768.6	742.4	700.9	653.5
50°	1291.8	1153.0	1016.9	912.4	829.8	778.1	742.7	721.2	697.3	659.6	620.1
52.5°	1215.6	1091.6	958.4	851.4	773.6	725.1	691.0	669.6	650.0	619.1	581.4
55°	1095.5	986.8	864.7	767.7	696.2	647.4	614.8	594.5	582.9	556.7	527.1
57.5°	956.7	878.9	771.3	677.7	614.5	566.3	542.4	525.1	512.0	493.5	472.6
60°	860.1	805.5	708.9	620.1	562.0	516.0	494.6	480.0	467.8	452.1	435.8
62.5°	762.0	722.2	638.3	562.0	508.5	470.0	449.9	436.8	422.8	412.2	396.3
65°	630.5	595.0	536.9	477.1	427.7	396.9	382.4	370.7	362.1	350.4	339.4
67.5°	490.5	476.0	435.9	394.7	359.2	331.8	319.3	311.2	300.7	293.7	286.1
70°	404.5	397.5	369.0	341.7	308.6	290.0	278.4	274.8	262.1	255.1	249.9
72.5°	328.2	324.9	308.6	289.6	266.3	250.0	239.3	235.4	227.2	221.6	218.3
75°	224.9	226.1	223.2	210.9	202.2	191.7	182.4	180.1	174.4	169.7	166.8
77.5°	142.2	148.2	148.4	147.8	144.4	137.9	134.1	132.4	126.7	124.9	124.2
80°	97.6	104.0	109.9	109.3	108.1	106.3	103.4	101.7	98.8	97.0	95.9
82.5°	65.1	71.0	75.9	79.0	78.8	77.1	75.1	74.3	73.7	72.4	72.2
85°	30.8	31.9	33.7	37.8	40.6	41.2	40.6	40.1	38.3	38.9	39.5
87.5°	12.5	12.1	12.5	12.2	11.5	13.5	14.7	15.0	14.2	13.5	12.9
90°	8.8	7.4	6.7	5.4	4.0	2.7	1.4	0.7	1.4	2.7	4.0
92.5°	153.6	92.0	55.2	35.6	23.9	15.6	10.0	8.2	10.0	15.6	23.9
95°	300.9	152.8	80.8	50.5	35.6	28.2	22.9	22.2	22.9	28.2	35.6
97.5°	240.2	131.6	84.0	62.2	48.9	41.5	37.7	36.9	37.7	41.5	48.9
100°	218.1	130.6	91.5	71.4	58.5	51.1	48.5	47.1	48.5	51.1	58.5
102.5°	209.0	135.4	100.7	81.0	69.3	61.4	59.2	58.5	59.2	61.4	69.3
105°	205.3	145.4	115.8	96.9	86.2	79.5	76.1	76.1	76.1	79.5	86.2
107.5°	211.5	160.2	131.6	114.6	103.4	97.9	94.6	93.3	94.6	97.9	103.4
110°	217.5	171.0	143.4	125.9	115.8	109.7	107.0	105.7	107.0	109.7	115.8



TEST NUMBER: P333594-935

CATALOG NUMBER: S125RDIP-S1090D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	225.0	181.2	154.7	137.8	127.6	121.6	119.4	118.0	119.4	121.6	127.6
115°	236.3	197.3	172.4	155.5	145.4	139.4	137.3	136.0	137.3	139.4	145.4
117.5°	249.3	213.7	190.1	173.8	162.4	156.4	154.2	152.1	154.2	156.4	162.4
120°	257.9	225.5	202.0	185.1	173.7	167.6	165.0	162.9	165.0	167.6	173.7
122.5°	267.5	236.9	213.3	196.5	183.9	177.9	175.7	174.3	175.7	177.9	183.9
125°	280.7	251.8	229.5	212.1	199.2	193.2	189.9	188.5	189.9	193.2	199.2
127.5°	292.8	266.2	244.8	227.3	213.7	206.0	201.7	199.7	201.7	206.0	213.7
130°	300.9	275.3	254.5	236.9	222.8	214.0	208.7	206.6	208.7	214.0	222.8
132.5°	307.9	284.0	263.1	245.6	230.9	221.1	214.6	212.1	214.6	221.1	230.9
135°	317.8	295.6	274.7	256.5	242.4	231.6	223.5	220.8	223.5	231.6	242.4
137.5°	325.0	303.8	284.7	266.0	252.2	241.4	233.8	231.9	233.8	241.4	252.2
140°	329.8	309.7	290.2	272.0	259.2	248.4	240.3	238.3	240.3	248.4	259.2
142.5°	332.6	313.4	295.0	277.9	265.6	254.9	247.4	245.8	247.4	254.9	265.6
145°	336.6	319.8	302.3	286.8	274.7	265.3	258.5	257.2	258.5	265.3	274.7
147.5°	339.1	323.8	308.5	294.9	284.4	275.6	269.8	269.0	269.8	275.6	284.4
150°	340.6	326.5	311.7	300.2	290.8	282.1	277.3	276.0	277.3	282.1	290.8
152.5°	341.7	329.2	315.5	305.1	296.2	288.5	284.4	283.5	284.4	288.5	296.2
155°	342.7	331.9	320.5	311.0	304.3	297.6	293.5	293.5	293.5	297.6	304.3
157.5°	343.4	334.2	324.3	317.2	311.3	305.5	302.3	302.4	302.3	305.5	311.3
160°	343.4	335.3	326.5	320.5	315.0	310.4	307.6	308.3	307.6	310.4	315.0
162.5°	342.8	336.3	328.6	323.6	319.3	315.2	312.5	313.1	312.5	315.2	319.3
165°	342.0	336.6	331.2	327.2	324.5	321.2	319.1	320.5	319.1	321.2	324.5
167.5°	340.4	336.6	332.2	329.6	327.7	325.8	324.6	325.3	324.6	325.8	327.7
170°	339.3	336.6	333.2	331.2	329.8	328.6	327.9	328.6	327.9	328.6	329.8
172.5°	338.2	336.0	333.2	332.3	331.5	330.1	329.5	330.7	329.5	330.1	331.5
175°	336.6	335.3	333.2	333.2	333.2	332.6	331.9	333.2	331.9	332.6	333.2
177.5°	335.0	334.4	333.4	333.4	333.9	333.4	333.4	334.4	333.4	333.4	333.9
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333594-935

CATALOG NUMBER: S125RDIP-S1090D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1391.9	1385.4	1380.8	1371.5	1364.9	1362.2	1357.0	1355.6	1360.7	1357.0	1356.6
5°	1350.6	1333.7	1320.3	1306.9	1292.4	1283.1	1269.2	1266.9	1263.3	1258.1	1257.0
7.5°	1300.9	1278.9	1261.7	1239.7	1220.5	1205.1	1187.6	1179.3	1174.8	1168.0	1159.0
10°	1267.4	1241.3	1218.1	1195.9	1172.2	1153.0	1135.5	1122.1	1113.4	1105.3	1101.8
12.5°	1234.4	1207.8	1178.0	1151.3	1124.7	1103.2	1083.9	1075.2	1065.6	1056.0	1047.9
15°	1183.2	1147.7	1115.2	1084.3	1061.7	1038.5	1019.9	1007.1	992.6	988.5	972.8
17.5°	1128.8	1094.0	1055.9	1023.5	997.2	971.6	951.1	936.7	925.7	910.8	903.5
20°	1094.8	1053.6	1016.4	986.8	957.7	927.5	906.5	894.3	883.9	871.7	865.9
22.5°	1058.6	1018.2	980.2	945.4	915.8	886.1	871.2	858.6	846.7	835.4	827.8
25°	1005.3	964.7	924.5	888.6	857.7	836.2	818.8	804.3	797.9	786.9	778.7
27.5°	952.7	909.5	867.9	831.9	807.8	786.5	772.2	760.7	749.2	739.5	732.5
30°	918.8	874.6	829.2	800.8	775.2	754.8	739.2	728.1	719.5	710.8	705.5
32.5°	884.8	839.3	799.0	768.3	744.1	726.5	710.3	699.8	690.6	681.0	674.8
35°	830.4	783.9	751.4	721.2	697.3	681.1	670.0	655.0	647.4	640.4	634.0
37.5°	779.9	736.7	701.5	674.9	654.2	638.1	623.8	615.6	606.3	600.0	594.7
40°	742.7	703.2	671.2	643.3	628.2	610.2	596.8	586.3	579.4	571.3	565.4
42.5°	709.2	672.4	641.4	616.3	597.5	582.3	569.4	559.0	550.1	544.3	539.4
45°	661.9	625.3	595.0	571.8	554.4	539.8	526.5	521.2	509.6	502.7	500.3
47.5°	612.9	580.2	551.0	529.6	511.8	498.0	485.4	474.8	468.4	461.5	457.8
50°	580.0	548.5	521.2	500.3	482.9	467.8	456.2	449.2	440.5	434.1	429.5
52.5°	547.0	517.9	490.6	470.6	455.5	440.4	427.4	420.4	412.2	408.0	404.8
55°	499.8	469.0	445.7	425.9	410.3	396.3	384.1	377.1	372.0	367.8	366.7
57.5°	446.3	421.9	400.3	382.5	366.2	353.1	342.4	335.8	331.1	330.5	327.1
60°	411.5	389.3	369.6	350.4	336.5	324.3	315.0	307.4	302.7	302.2	301.0
62.5°	376.6	355.4	337.1	320.2	307.6	295.9	287.1	278.6	275.8	272.9	270.4
65°	324.9	305.7	290.6	277.2	263.8	253.9	245.2	240.0	233.6	230.1	223.8
67.5°	274.1	259.2	244.7	233.4	222.9	213.5	206.3	198.5	194.2	191.4	186.8
70°	240.6	228.9	214.5	202.2	194.1	186.6	180.7	172.0	169.1	166.8	164.5
72.5°	209.0	198.7	186.6	176.7	168.5	161.4	154.7	150.6	147.7	145.4	144.0
75°	164.5	154.5	144.1	137.2	131.3	125.5	122.0	119.2	118.0	117.4	115.0
77.5°	120.8	115.5	107.2	101.6	97.7	95.4	92.3	90.7	90.7	88.1	87.3
80°	92.4	89.5	82.5	80.2	77.3	75.0	73.2	70.3	67.4	66.2	64.5
82.5°	68.7	65.8	63.0	59.2	56.8	55.4	53.7	52.6	53.0	51.4	50.5
85°	36.6	33.7	32.5	31.9	30.8	31.9	31.3	30.8	30.2	29.6	30.2
87.5°	12.7	13.0	12.7	13.9	12.6	13.3	13.4	13.1	13.3	13.3	13.2
90°	5.4	6.7	7.4	8.8	9.4	10.8	11.5	12.1	12.8	13.4	14.8
92.5°	35.6	55.2	92.0	153.6	220.5	217.1	175.7	119.3	86.6	65.2	55.2
95°	50.5	80.8	152.8	300.9	486.7	596.5	583.7	484.1	381.7	298.9	242.4
97.5°	62.2	84.0	131.6	240.2	434.6	637.0	738.5	720.9	649.1	568.4	489.8
100°	71.4	91.5	130.6	218.1	387.8	608.0	776.2	828.0	795.0	725.7	655.7
102.5°	81.0	100.7	135.4	209.0	352.2	556.7	753.6	864.1	884.5	851.2	803.8
105°	96.9	115.8	145.4	205.3	317.8	488.1	681.3	842.8	935.1	964.8	957.3
107.5°	114.6	131.6	160.2	211.5	303.2	440.8	607.5	766.9	890.0	966.0	1001.2
110°	125.9	143.4	171.0	217.5	298.9	418.7	565.5	710.9	838.8	933.8	990.9



TEST NUMBER: P333594-935

CATALOG NUMBER: S125RDIP-S1090D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	137.8	154.7	181.2	225.0	298.9	405.8	534.3	666.8	788.2	884.2	951.7
115°	155.5	172.4	197.3	236.3	300.9	391.8	500.2	611.3	715.7	807.9	881.2
117.5°	173.8	190.1	213.7	249.3	305.4	385.0	479.8	575.5	665.4	744.9	812.2
120°	185.1	202.0	225.5	257.9	309.7	381.7	468.6	556.0	636.9	710.9	770.2
122.5°	196.5	213.3	236.9	267.5	313.4	379.0	458.8	541.6	616.4	682.3	737.9
125°	212.1	229.5	251.8	280.7	319.8	375.7	445.7	520.4	589.1	647.6	696.1
127.5°	227.3	244.8	266.2	292.8	326.9	374.0	433.5	498.9	562.9	617.6	663.0
130°	236.9	254.5	275.3	300.9	331.2	373.0	425.5	485.3	544.7	597.1	640.9
132.5°	245.6	263.1	284.0	307.9	336.0	373.0	419.0	471.9	527.4	575.1	617.2
135°	256.5	274.7	295.6	317.8	342.7	373.0	411.3	454.4	500.8	544.0	582.3
137.5°	266.0	284.7	303.8	325.0	348.7	373.8	404.5	439.6	477.2	513.0	545.5
140°	272.0	290.2	309.7	329.8	351.4	374.3	401.2	431.5	463.1	494.1	522.4
142.5°	277.9	295.0	313.4	332.6	353.0	374.9	398.6	424.6	451.3	477.9	502.5
145°	286.8	302.3	319.8	336.6	354.8	374.3	394.5	415.3	436.3	457.1	475.3
147.5°	294.9	308.5	323.8	339.1	355.4	372.6	390.3	406.7	423.7	439.7	453.5
150°	300.2	311.7	326.5	340.6	355.4	370.9	387.1	401.9	416.7	429.5	441.6
152.5°	305.1	315.5	329.2	341.7	354.9	368.8	383.3	396.5	409.7	421.5	430.8
155°	311.0	320.5	331.9	342.7	353.4	364.9	377.0	388.5	399.2	408.6	416.0
157.5°	317.2	324.3	334.2	343.4	351.7	360.8	371.1	380.4	389.3	396.5	402.3
160°	320.5	326.5	335.3	343.4	350.1	358.2	366.3	375.0	381.7	388.5	393.1
162.5°	323.6	328.6	336.3	342.8	348.4	354.9	361.9	369.0	375.2	380.9	385.0
165°	327.2	331.2	336.6	342.0	346.0	350.1	355.4	360.8	365.6	369.6	373.0
167.5°	329.6	332.2	336.6	340.4	342.2	345.3	349.1	353.0	356.1	359.2	361.6
170°	331.2	333.2	336.6	339.3	340.6	342.7	345.3	348.7	350.8	352.8	354.1
172.5°	332.3	333.2	336.0	338.2	338.5	339.4	341.6	343.9	345.9	347.4	348.2
175°	333.2	333.2	335.3	336.6	336.0	336.0	336.6	338.6	338.6	340.0	340.0
177.5°	333.4	333.4	334.4	335.0	333.9	333.9	334.4	335.0	335.5	335.5	335.5
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333594-935

CATALOG NUMBER: S125RDIP-S1090D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1356.1	1351.0	1349.6	1351.4	1349.6	1351.0	1356.1	1356.6	1357.0	1360.7	1355.6
5°	1251.2	1245.4	1248.3	1247.1	1248.3	1245.4	1251.2	1257.0	1258.1	1263.3	1266.9
7.5°	1158.9	1151.7	1144.0	1146.4	1144.0	1151.7	1158.9	1159.0	1168.0	1174.8	1179.3
10°	1094.2	1088.5	1084.9	1087.9	1084.9	1088.5	1094.2	1101.8	1105.3	1113.4	1122.1
12.5°	1039.8	1036.4	1033.4	1032.1	1033.4	1036.4	1039.8	1047.9	1056.0	1065.6	1075.2
15°	965.9	958.9	956.0	948.4	956.0	958.9	965.9	972.8	988.5	992.6	1007.1
17.5°	897.6	895.3	887.7	884.5	887.7	895.3	897.6	903.5	910.8	925.7	936.7
20°	857.1	854.8	847.3	852.0	847.3	854.8	857.1	865.9	871.7	883.9	894.3
22.5°	823.7	818.6	816.1	814.8	816.1	818.6	823.7	827.8	835.4	846.7	858.6
25°	776.4	768.8	765.9	762.4	765.9	768.8	776.4	778.7	786.9	797.9	804.3
27.5°	729.2	725.1	721.3	720.4	721.3	725.1	729.2	732.5	739.5	749.2	760.7
30°	698.5	694.5	691.6	691.6	691.6	694.5	698.5	705.5	710.8	719.5	728.1
32.5°	671.1	668.0	665.0	664.6	665.0	668.0	671.1	674.8	681.0	690.6	699.8
35°	631.1	626.5	625.3	621.8	625.3	626.5	631.1	634.0	640.4	647.4	655.0
37.5°	589.6	585.7	585.7	585.3	585.7	585.7	589.6	594.7	600.0	606.3	615.6
40°	563.1	560.2	559.6	555.5	559.6	560.2	563.1	565.4	571.3	579.4	586.3
42.5°	534.8	533.2	531.2	529.5	531.2	533.2	534.8	539.4	544.3	550.1	559.0
45°	496.3	492.2	492.2	489.3	492.2	492.2	496.3	500.3	502.7	509.6	521.2
47.5°	456.5	453.4	453.7	450.7	453.7	453.4	456.5	457.8	461.5	468.4	474.8
50°	430.1	428.3	427.7	426.5	427.7	428.3	430.1	429.5	434.1	440.5	449.2
52.5°	403.6	402.7	404.9	402.3	404.9	402.7	403.6	404.8	408.0	412.2	420.4
55°	367.8	366.1	369.6	366.1	369.6	366.1	367.8	366.7	367.8	372.0	377.1
57.5°	326.8	325.2	328.3	326.6	328.3	325.2	326.8	327.1	330.5	331.1	335.8
60°	299.9	296.4	298.1	298.7	298.1	296.4	299.9	301.0	302.2	302.7	307.4
62.5°	267.8	265.7	267.0	264.3	267.0	265.7	267.8	270.4	272.9	275.8	278.6
65°	222.6	220.8	218.5	217.3	218.5	220.8	222.6	223.8	230.1	233.6	240.0
67.5°	187.0	182.8	182.7	183.7	182.7	182.8	187.0	186.8	191.4	194.2	198.5
70°	161.0	161.0	160.4	160.4	160.4	161.0	161.0	164.5	166.8	169.1	172.0
72.5°	142.8	142.4	141.3	140.9	141.3	142.4	142.8	144.0	145.4	147.7	150.6
75°	115.0	115.6	114.5	113.9	114.5	115.6	115.0	115.0	117.4	118.0	119.2
77.5°	85.0	82.5	83.8	82.5	83.8	82.5	85.0	87.3	88.1	90.7	90.7
80°	64.5	63.9	65.7	63.9	65.7	63.9	64.5	64.5	66.2	67.4	70.3
82.5°	51.1	50.5	51.2	49.9	51.2	50.5	51.1	50.5	51.4	53.0	52.6
85°	30.8	30.2	29.6	30.2	29.6	30.2	30.8	30.2	29.6	30.2	30.8
87.5°	13.7	13.2	13.3	13.3	13.3	13.2	13.7	13.2	13.3	13.3	13.1
90°	14.8	14.8	15.5	15.5	15.5	14.8	14.8	14.8	13.4	12.8	12.1
92.5°	46.6	44.9	44.0	43.0	44.0	44.9	46.6	55.2	65.2	86.6	119.3
95°	194.6	174.4	169.0	158.2	169.0	174.4	194.6	242.4	298.9	381.7	484.1
97.5°	448.2	410.5	391.0	382.4	391.0	410.5	448.2	489.8	568.4	649.1	720.9
100°	609.2	560.8	535.9	525.1	535.9	560.8	609.2	655.7	725.7	795.0	828.0
102.5°	754.1	719.6	692.6	684.5	692.6	719.6	754.1	803.8	851.2	884.5	864.1
105°	935.7	913.5	900.1	892.0	900.1	913.5	935.7	957.3	964.8	935.1	842.8
107.5°	1012.1	1011.9	1007.5	1002.1	1007.5	1011.9	1012.1	1001.2	966.0	890.0	766.9
110°	1021.2	1034.1	1038.8	1038.8	1038.8	1034.1	1021.2	990.9	933.8	838.8	710.9



TEST NUMBER: P333594-935

CATALOG NUMBER: S125RDIP-S1090D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	995.9	1017.9	1029.6	1034.5	1029.6	1017.9	995.9	951.7	884.2	788.2	666.8
115°	933.8	966.0	984.9	993.7	984.9	966.0	933.8	881.2	807.9	715.7	611.3
117.5°	864.7	898.0	916.8	922.1	916.8	898.0	864.7	812.2	744.9	665.4	575.5
120°	819.9	852.3	870.5	875.8	870.5	852.3	819.9	770.2	710.9	636.9	556.0
122.5°	782.3	811.9	830.1	834.9	830.1	811.9	782.3	737.9	682.3	616.4	541.6
125°	733.8	761.4	776.2	782.9	776.2	761.4	733.8	696.1	647.6	589.1	520.4
127.5°	697.2	721.5	735.6	738.5	735.6	721.5	697.2	663.0	617.6	562.9	498.9
130°	674.6	696.8	710.2	714.3	710.2	696.8	674.6	640.9	597.1	544.7	485.3
132.5°	650.8	673.0	685.4	690.0	685.4	673.0	650.8	617.2	575.1	527.4	471.9
135°	611.9	634.1	646.3	650.3	646.3	634.1	611.9	582.3	544.0	500.8	454.4
137.5°	572.1	592.3	603.5	608.0	603.5	592.3	572.1	545.5	513.0	477.2	439.6
140°	547.3	564.8	574.9	578.2	574.9	564.8	547.3	522.4	494.1	463.1	431.5
142.5°	523.7	538.5	548.0	550.8	548.0	538.5	523.7	502.5	477.9	451.3	424.6
145°	491.5	502.9	510.3	513.0	510.3	502.9	491.5	475.3	457.1	436.3	415.3
147.5°	466.2	475.4	479.7	481.0	479.7	475.4	466.2	453.5	439.7	423.7	406.7
150°	451.8	459.8	462.5	463.1	462.5	459.8	451.8	441.6	429.5	416.7	401.9
152.5°	439.4	445.8	448.5	449.2	448.5	445.8	439.4	430.8	421.5	409.7	396.5
155°	422.8	427.5	429.5	430.2	429.5	427.5	422.8	416.0	408.6	399.2	388.5
157.5°	407.6	411.5	413.4	413.2	413.4	411.5	407.6	402.3	396.5	389.3	380.4
160°	397.9	401.2	402.6	401.9	402.6	401.2	397.9	393.1	388.5	381.7	375.0
162.5°	388.7	391.5	391.8	391.7	391.8	391.5	388.7	385.0	380.9	375.2	369.0
165°	375.7	377.0	377.0	377.0	377.0	377.0	375.7	373.0	369.6	365.6	360.8
167.5°	363.0	364.2	363.7	363.5	363.7	364.2	363.0	361.6	359.2	356.1	353.0
170°	355.4	356.1	356.1	355.4	356.1	356.1	355.4	354.1	352.8	350.8	348.7
172.5°	348.4	349.7	348.6	347.9	348.6	349.7	348.4	348.2	347.4	345.9	343.9
175°	340.0	340.6	339.3	338.6	339.3	340.6	340.0	340.0	340.0	338.6	338.6
177.5°	335.0	335.5	333.9	333.9	333.9	335.5	335.0	335.5	335.5	335.5	335.0
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333594-935

CATALOG NUMBER: S125RDIP-S1090D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1357.0	1362.2	1364.9	1371.5	1380.8	1385.4	1391.9	1396.5	1403.1	1411.0	1417.5
5°	1269.2	1283.1	1292.4	1306.9	1320.3	1333.7	1350.6	1362.7	1379.0	1397.6	1412.1
7.5°	1187.6	1205.1	1220.5	1239.7	1261.7	1278.9	1300.9	1323.4	1348.8	1375.2	1400.1
10°	1135.5	1153.0	1172.2	1195.9	1218.1	1241.3	1267.4	1293.6	1325.5	1355.2	1388.9
12.5°	1083.9	1103.2	1124.7	1151.3	1178.0	1207.8	1234.4	1263.9	1298.1	1336.6	1372.6
15°	1019.9	1038.5	1061.7	1084.3	1115.2	1147.7	1183.2	1222.1	1260.4	1303.5	1348.2
17.5°	951.1	971.6	997.2	1023.5	1055.9	1094.0	1128.8	1171.4	1214.5	1264.6	1317.3
20°	906.5	927.5	957.7	986.8	1016.4	1053.6	1094.8	1138.4	1184.3	1237.3	1295.9
22.5°	871.2	886.1	915.8	945.4	980.2	1018.2	1058.6	1104.1	1154.1	1208.8	1270.3
25°	818.8	836.2	857.7	888.6	924.5	964.7	1005.3	1053.6	1108.2	1164.0	1229.7
27.5°	772.2	786.5	807.8	831.9	867.9	909.5	952.7	1003.0	1059.0	1115.9	1184.9
30°	739.2	754.8	775.2	800.8	829.2	874.6	918.8	968.2	1025.1	1083.8	1154.7
32.5°	710.3	726.5	744.1	768.3	799.0	839.3	884.8	933.3	991.2	1051.7	1120.8
35°	670.0	681.1	697.3	721.2	751.4	783.9	830.4	881.6	938.0	1000.7	1069.9
37.5°	623.8	638.1	654.2	674.9	701.5	736.7	779.9	831.6	883.9	944.0	1007.1
40°	596.8	610.2	628.2	643.3	671.2	703.2	742.7	796.7	849.0	905.4	962.9
42.5°	569.4	582.3	597.5	616.3	641.4	672.4	709.2	759.5	815.5	868.7	916.9
45°	526.5	539.8	554.4	571.8	595.0	625.3	661.9	707.8	756.6	805.5	842.1
47.5°	485.4	498.0	511.8	529.6	551.0	580.2	612.9	653.5	700.9	742.4	768.6
50°	456.2	467.8	482.9	500.3	521.2	548.5	580.0	620.1	659.6	697.3	721.2
52.5°	427.4	440.4	455.5	470.6	490.6	517.9	547.0	581.4	619.1	650.0	669.6
55°	384.1	396.3	410.3	425.9	445.7	469.0	499.8	527.1	556.7	582.9	594.5
57.5°	342.4	353.1	366.2	382.5	400.3	421.9	446.3	472.6	493.5	512.0	525.1
60°	315.0	324.3	336.5	350.4	369.6	389.3	411.5	435.8	452.1	467.8	480.0
62.5°	287.1	295.9	307.6	320.2	337.1	355.4	376.6	396.3	412.2	422.8	436.8
65°	245.2	253.9	263.8	277.2	290.6	305.7	324.9	339.4	350.4	362.1	370.7
67.5°	206.3	213.5	222.9	233.4	244.7	259.2	274.1	286.1	293.7	300.7	311.2
70°	180.7	186.6	194.1	202.2	214.5	228.9	240.6	249.9	255.1	262.1	274.8
72.5°	154.7	161.4	168.5	176.7	186.6	198.7	209.0	218.3	221.6	227.2	235.4
75°	122.0	125.5	131.3	137.2	144.1	154.5	164.5	166.8	169.7	174.4	180.1
77.5°	92.3	95.4	97.7	101.6	107.2	115.5	120.8	124.2	124.9	126.7	132.4
80°	73.2	75.0	77.3	80.2	82.5	89.5	92.4	95.9	97.0	98.8	101.7
82.5°	53.7	55.4	56.8	59.2	63.0	65.8	68.7	72.2	72.4	73.7	74.3
85°	31.3	31.9	30.8	31.9	32.5	33.7	36.6	39.5	38.9	38.3	40.1
87.5°	13.4	13.3	12.6	13.9	12.7	13.0	12.7	12.9	13.5	14.2	15.0
90°	11.5	10.8	9.4	8.8	7.4	6.7	5.4	4.0	2.7	1.4	0.7
92.5°	175.7	217.1	220.5	153.6	92.0	55.2	35.6	23.9	15.6	10.0	8.2
95°	583.7	596.5	486.7	300.9	152.8	80.8	50.5	35.6	28.2	22.9	22.2
97.5°	738.5	637.0	434.6	240.2	131.6	84.0	62.2	48.9	41.5	37.7	36.9
100°	776.2	608.0	387.8	218.1	130.6	91.5	71.4	58.5	51.1	48.5	47.1
102.5°	753.6	556.7	352.2	209.0	135.4	100.7	81.0	69.3	61.4	59.2	58.5
105°	681.3	488.1	317.8	205.3	145.4	115.8	96.9	86.2	79.5	76.1	76.1
107.5°	607.5	440.8	303.2	211.5	160.2	131.6	114.6	103.4	97.9	94.6	93.3
110°	565.5	418.7	298.9	217.5	171.0	143.4	125.9	115.8	109.7	107.0	105.7



TEST NUMBER: P333594-935

CATALOG NUMBER: S125RDIP-S1090D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	534.3	405.8	298.9	225.0	181.2	154.7	137.8	127.6	121.6	119.4	118.0
115°	500.2	391.8	300.9	236.3	197.3	172.4	155.5	145.4	139.4	137.3	136.0
117.5°	479.8	385.0	305.4	249.3	213.7	190.1	173.8	162.4	156.4	154.2	152.1
120°	468.6	381.7	309.7	257.9	225.5	202.0	185.1	173.7	167.6	165.0	162.9
122.5°	458.8	379.0	313.4	267.5	236.9	213.3	196.5	183.9	177.9	175.7	174.3
125°	445.7	375.7	319.8	280.7	251.8	229.5	212.1	199.2	193.2	189.9	188.5
127.5°	433.5	374.0	326.9	292.8	266.2	244.8	227.3	213.7	206.0	201.7	199.7
130°	425.5	373.0	331.2	300.9	275.3	254.5	236.9	222.8	214.0	208.7	206.6
132.5°	419.0	373.0	336.0	307.9	284.0	263.1	245.6	230.9	221.1	214.6	212.1
135°	411.3	373.0	342.7	317.8	295.6	274.7	256.5	242.4	231.6	223.5	220.8
137.5°	404.5	373.8	348.7	325.0	303.8	284.7	266.0	252.2	241.4	233.8	231.9
140°	401.2	374.3	351.4	329.8	309.7	290.2	272.0	259.2	248.4	240.3	238.3
142.5°	398.6	374.9	353.0	332.6	313.4	295.0	277.9	265.6	254.9	247.4	245.8
145°	394.5	374.3	354.8	336.6	319.8	302.3	286.8	274.7	265.3	258.5	257.2
147.5°	390.3	372.6	355.4	339.1	323.8	308.5	294.9	284.4	275.6	269.8	269.0
150°	387.1	370.9	355.4	340.6	326.5	311.7	300.2	290.8	282.1	277.3	276.0
152.5°	383.3	368.8	354.9	341.7	329.2	315.5	305.1	296.2	288.5	284.4	283.5
155°	377.0	364.9	353.4	342.7	331.9	320.5	311.0	304.3	297.6	293.5	293.5
157.5°	371.1	360.8	351.7	343.4	334.2	324.3	317.2	311.3	305.5	302.3	302.4
160°	366.3	358.2	350.1	343.4	335.3	326.5	320.5	315.0	310.4	307.6	308.3
162.5°	361.9	354.9	348.4	342.8	336.3	328.6	323.6	319.3	315.2	312.5	313.1
165°	355.4	350.1	346.0	342.0	336.6	331.2	327.2	324.5	321.2	319.1	320.5
167.5°	349.1	345.3	342.2	340.4	336.6	332.2	329.6	327.7	325.8	324.6	325.3
170°	345.3	342.7	340.6	339.3	336.6	333.2	331.2	329.8	328.6	327.9	328.6
172.5°	341.6	339.4	338.5	338.2	336.0	333.2	332.3	331.5	330.1	329.5	330.7
175°	336.6	336.0	336.0	336.6	335.3	333.2	333.2	333.2	332.6	331.9	333.2
177.5°	334.4	333.9	333.9	335.0	334.4	333.4	333.4	333.9	333.4	333.4	334.4
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333594-935

CATALOG NUMBER: S125RDIP-S1090D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1422.6	1426.8	1432.8	1439.8	1445.4	1451.4	1454.7	1454.7	1457.5	1463.5	1471.4
5°	1426.7	1441.7	1456.3	1474.9	1489.4	1506.2	1519.1	1531.3	1542.3	1556.3	1570.8
7.5°	1425.5	1450.6	1476.8	1506.1	1538.3	1564.0	1590.4	1611.1	1631.6	1658.3	1679.3
10°	1420.8	1453.4	1488.8	1526.0	1566.7	1602.1	1634.1	1663.2	1691.1	1720.1	1746.3
12.5°	1412.5	1453.9	1497.2	1541.9	1593.2	1633.7	1675.1	1706.0	1738.5	1770.3	1802.5
15°	1399.9	1448.7	1501.1	1563.2	1626.0	1671.3	1712.0	1752.1	1782.3	1818.3	1849.2
17.5°	1374.0	1436.9	1502.7	1570.6	1631.0	1683.6	1726.3	1764.4	1796.6	1836.3	1878.1
20°	1358.7	1426.7	1495.2	1567.9	1625.4	1679.5	1720.7	1760.2	1800.4	1852.0	1903.2
22.5°	1337.3	1409.9	1482.6	1551.6	1612.4	1664.6	1707.2	1755.6	1808.2	1866.9	1928.7
25°	1303.5	1378.5	1450.5	1516.1	1575.5	1628.9	1687.0	1752.1	1816.0	1893.3	1982.2
27.5°	1260.6	1332.8	1397.1	1466.5	1525.4	1593.5	1665.9	1736.6	1828.7	1935.0	2046.0
30°	1228.5	1297.1	1358.1	1423.7	1490.6	1565.6	1646.9	1730.0	1839.9	1964.8	2096.7
32.5°	1191.3	1253.4	1313.9	1377.3	1454.3	1536.7	1623.2	1724.9	1856.1	1998.3	2134.8
35°	1126.8	1182.6	1241.3	1311.6	1393.5	1483.1	1593.5	1717.3	1875.9	2028.7	2151.3
37.5°	1059.1	1103.2	1162.1	1236.3	1325.5	1429.1	1554.4	1704.8	1867.8	2004.8	2057.1
40°	1007.1	1048.4	1110.5	1188.4	1276.7	1390.1	1530.7	1685.2	1849.2	1944.5	1940.3
42.5°	955.5	997.2	1057.0	1135.4	1227.4	1354.3	1499.1	1659.7	1798.0	1834.3	1758.6
45°	876.3	915.2	974.0	1053.0	1151.8	1284.9	1437.1	1591.1	1679.5	1620.7	1470.8
47.5°	795.7	833.4	887.9	965.4	1073.2	1212.5	1356.4	1482.8	1495.2	1369.2	1189.3
50°	742.7	778.1	829.8	912.4	1016.9	1153.0	1291.8	1391.2	1360.4	1206.4	1021.1
52.5°	691.0	725.1	773.6	851.4	958.4	1091.6	1215.6	1293.6	1222.4	1058.6	891.8
55°	614.8	647.4	696.2	767.7	864.7	986.8	1095.5	1123.9	1019.3	854.3	719.5
57.5°	542.4	566.3	614.5	677.7	771.3	878.9	956.7	951.7	836.2	687.6	590.9
60°	494.6	516.0	562.0	620.1	708.9	805.5	860.1	836.8	720.1	597.4	504.4
62.5°	449.9	470.0	508.5	562.0	638.3	722.2	762.0	729.9	619.6	511.9	437.9
65°	382.4	396.9	427.7	477.1	536.9	595.0	630.5	583.4	485.9	404.5	348.7
67.5°	319.3	331.8	359.2	394.7	435.9	476.0	490.5	446.3	370.4	315.6	276.3
70°	278.4	290.0	308.6	341.7	369.0	397.5	404.5	365.0	301.6	259.8	235.4
72.5°	239.3	250.0	266.3	289.6	308.6	324.9	328.2	291.5	243.1	214.2	195.4
75°	182.4	191.7	202.2	210.9	223.2	226.1	224.9	196.4	170.3	151.1	140.6
77.5°	134.1	137.9	144.4	147.8	148.4	148.2	142.2	124.2	110.7	102.9	98.6
80°	103.4	106.3	108.1	109.3	109.9	104.0	97.6	86.6	82.0	77.3	72.1
82.5°	75.1	77.1	78.8	79.0	75.9	71.0	65.1	59.6	56.4	54.1	52.1
85°	40.6	41.2	40.6	37.8	33.7	31.9	30.8	29.6	29.0	28.5	28.5
87.5°	14.7	13.5	11.5	12.2	12.5	12.1	12.5	12.1	11.9	12.1	12.2
90°	1.4	2.7	4.0	5.4	6.7	7.4	8.8	9.4	10.8	11.5	12.1
92.5°	10.0	15.6	23.9	35.6	55.2	92.0	153.6	220.5	217.1	175.7	119.3
95°	22.9	28.2	35.6	50.5	80.8	152.8	300.9	486.7	596.5	583.7	484.1
97.5°	37.7	41.5	48.9	62.2	84.0	131.6	240.2	434.6	637.0	738.5	720.9
100°	48.5	51.1	58.5	71.4	91.5	130.6	218.1	387.8	608.0	776.2	828.0
102.5°	59.2	61.4	69.3	81.0	100.7	135.4	209.0	352.2	556.7	753.6	864.1
105°	76.1	79.5	86.2	96.9	115.8	145.4	205.3	317.8	488.1	681.3	842.8
107.5°	94.6	97.9	103.4	114.6	131.6	160.2	211.5	303.2	440.8	607.5	766.9
110°	107.0	109.7	115.8	125.9	143.4	171.0	217.5	298.9	418.7	565.5	710.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	119.4	121.6	127.6	137.8	154.7	181.2	225.0	298.9	405.8	534.3	666.8
115°	137.3	139.4	145.4	155.5	172.4	197.3	236.3	300.9	391.8	500.2	611.3
117.5°	154.2	156.4	162.4	173.8	190.1	213.7	249.3	305.4	385.0	479.8	575.5
120°	165.0	167.6	173.7	185.1	202.0	225.5	257.9	309.7	381.7	468.6	556.0
122.5°	175.7	177.9	183.9	196.5	213.3	236.9	267.5	313.4	379.0	458.8	541.6
125°	189.9	193.2	199.2	212.1	229.5	251.8	280.7	319.8	375.7	445.7	520.4
127.5°	201.7	206.0	213.7	227.3	244.8	266.2	292.8	326.9	374.0	433.5	498.9
130°	208.7	214.0	222.8	236.9	254.5	275.3	300.9	331.2	373.0	425.5	485.3
132.5°	214.6	221.1	230.9	245.6	263.1	284.0	307.9	336.0	373.0	419.0	471.9
135°	223.5	231.6	242.4	256.5	274.7	295.6	317.8	342.7	373.0	411.3	454.4
137.5°	233.8	241.4	252.2	266.0	284.7	303.8	325.0	348.7	373.8	404.5	439.6
140°	240.3	248.4	259.2	272.0	290.2	309.7	329.8	351.4	374.3	401.2	431.5
142.5°	247.4	254.9	265.6	277.9	295.0	313.4	332.6	353.0	374.9	398.6	424.6
145°	258.5	265.3	274.7	286.8	302.3	319.8	336.6	354.8	374.3	394.5	415.3
147.5°	269.8	275.6	284.4	294.9	308.5	323.8	339.1	355.4	372.6	390.3	406.7
150°	277.3	282.1	290.8	300.2	311.7	326.5	340.6	355.4	370.9	387.1	401.9
152.5°	284.4	288.5	296.2	305.1	315.5	329.2	341.7	354.9	368.8	383.3	396.5
155°	293.5	297.6	304.3	311.0	320.5	331.9	342.7	353.4	364.9	377.0	388.5
157.5°	302.3	305.5	311.3	317.2	324.3	334.2	343.4	351.7	360.8	371.1	380.4
160°	307.6	310.4	315.0	320.5	326.5	335.3	343.4	350.1	358.2	366.3	375.0
162.5°	312.5	315.2	319.3	323.6	328.6	336.3	342.8	348.4	354.9	361.9	369.0
165°	319.1	321.2	324.5	327.2	331.2	336.6	342.0	346.0	350.1	355.4	360.8
167.5°	324.6	325.8	327.7	329.6	332.2	336.6	340.4	342.2	345.3	349.1	353.0
170°	327.9	328.6	329.8	331.2	333.2	336.6	339.3	340.6	342.7	345.3	348.7
172.5°	329.5	330.1	331.5	332.3	333.2	336.0	338.2	338.5	339.4	341.6	343.9
175°	331.9	332.6	333.2	333.2	333.2	335.3	336.6	336.0	336.0	336.6	338.6
177.5°	333.4	333.4	333.9	333.4	333.4	334.4	335.0	333.9	333.9	334.4	335.0
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7	1415.7
2.5°	1477.5	1477.5	1485.4	1484.9	1490.0	1488.2	1489.1
5°	1588.2	1598.1	1606.8	1612.7	1621.3	1623.7	1622.5
7.5°	1703.1	1725.0	1735.7	1750.3	1753.0	1760.7	1759.9
10°	1774.2	1795.7	1812.0	1824.7	1831.1	1839.3	1839.9
12.5°	1830.0	1848.2	1862.6	1874.5	1882.2	1884.8	1886.4
15°	1873.5	1893.9	1910.7	1927.6	1937.5	1945.0	1949.1
17.5°	1917.4	1948.9	1978.6	2001.5	2015.3	2026.9	2026.7
20°	1951.5	1987.4	2024.6	2050.8	2077.5	2089.1	2090.9
22.5°	1987.7	2042.8	2090.7	2131.2	2166.3	2178.4	2183.0
25°	2063.0	2135.0	2208.9	2265.8	2306.4	2330.3	2333.8
27.5°	2154.0	2251.5	2329.2	2381.7	2415.5	2433.2	2437.0
30°	2218.2	2308.3	2378.0	2417.5	2433.2	2435.5	2426.8
32.5°	2247.0	2314.3	2342.2	2339.9	2309.0	2288.6	2280.8
35°	2211.7	2197.8	2129.9	2048.5	1986.3	1946.8	1936.3
37.5°	2012.8	1892.5	1767.5	1644.5	1579.1	1545.8	1488.6
40°	1816.6	1645.2	1515.0	1411.5	1337.7	1278.5	1264.6
42.5°	1595.3	1418.3	1288.1	1199.5	1140.7	1099.9	1082.3
45°	1281.9	1129.7	1022.2	954.2	908.9	879.3	865.9
47.5°	1025.4	907.5	829.1	778.9	744.3	718.5	711.3
50°	884.5	790.3	724.1	681.7	655.5	635.8	627.6
52.5°	768.3	692.2	641.4	606.3	581.6	569.3	562.5
55°	634.0	568.3	531.8	503.9	489.9	480.0	475.4
57.5°	518.5	471.1	444.4	425.1	412.2	405.9	403.6
60°	453.8	416.6	392.3	377.1	368.4	360.3	358.0
62.5°	396.7	367.4	348.5	335.3	326.6	323.1	321.7
65°	319.6	300.4	286.5	278.4	271.4	270.2	269.7
67.5°	254.1	242.8	235.5	227.0	224.5	220.5	219.6
70°	217.3	209.8	201.0	198.2	195.3	191.2	191.7
72.5°	184.3	176.8	170.8	167.0	166.0	164.2	165.7
75°	134.8	132.5	130.2	127.3	126.1	126.1	125.5
77.5°	96.3	94.3	91.7	90.0	89.6	87.1	88.1
80°	69.7	66.8	65.7	66.2	64.5	63.9	63.9
82.5°	51.6	50.5	49.4	49.5	49.2	48.6	49.1
85°	28.5	27.9	27.9	27.3	27.3	26.7	26.7
87.5°	12.8	13.3	12.7	12.2	12.2	12.8	13.3
90°	12.8	13.4	14.8	14.8	14.8	15.5	15.5
92.5°	86.6	65.2	55.2	46.6	44.9	44.0	43.0
95°	381.7	298.9	242.4	194.6	174.4	169.0	158.2
97.5°	649.1	568.4	489.8	448.2	410.5	391.0	382.4
100°	795.0	725.7	655.7	609.2	560.8	535.9	525.1
102.5°	884.5	851.2	803.8	754.1	719.6	692.6	684.5
105°	935.1	964.8	957.3	935.7	913.5	900.1	892.0
107.5°	890.0	966.0	1001.2	1012.1	1011.9	1007.5	1002.1
110°	838.8	933.8	990.9	1021.2	1034.1	1038.8	1038.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	788.2	884.2	951.7	995.9	1017.9	1029.6	1034.5
115°	715.7	807.9	881.2	933.8	966.0	984.9	993.7
117.5°	665.4	744.9	812.2	864.7	898.0	916.8	922.1
120°	636.9	710.9	770.2	819.9	852.3	870.5	875.8
122.5°	616.4	682.3	737.9	782.3	811.9	830.1	834.9
125°	589.1	647.6	696.1	733.8	761.4	776.2	782.9
127.5°	562.9	617.6	663.0	697.2	721.5	735.6	738.5
130°	544.7	597.1	640.9	674.6	696.8	710.2	714.3
132.5°	527.4	575.1	617.2	650.8	673.0	685.4	690.0
135°	500.8	544.0	582.3	611.9	634.1	646.3	650.3
137.5°	477.2	513.0	545.5	572.1	592.3	603.5	608.0
140°	463.1	494.1	522.4	547.3	564.8	574.9	578.2
142.5°	451.3	477.9	502.5	523.7	538.5	548.0	550.8
145°	436.3	457.1	475.3	491.5	502.9	510.3	513.0
147.5°	423.7	439.7	453.5	466.2	475.4	479.7	481.0
150°	416.7	429.5	441.6	451.8	459.8	462.5	463.1
152.5°	409.7	421.5	430.8	439.4	445.8	448.5	449.2
155°	399.2	408.6	416.0	422.8	427.5	429.5	430.2
157.5°	389.3	396.5	402.3	407.6	411.5	413.4	413.2
160°	381.7	388.5	393.1	397.9	401.2	402.6	401.9
162.5°	375.2	380.9	385.0	388.7	391.5	391.8	391.7
165°	365.6	369.6	373.0	375.7	377.0	377.0	377.0
167.5°	356.1	359.2	361.6	363.0	364.2	363.7	363.5
170°	350.8	352.8	354.1	355.4	356.1	356.1	355.4
172.5°	345.9	347.4	348.2	348.4	349.7	348.6	347.9
175°	338.6	340.0	340.0	340.0	340.6	339.3	338.6
177.5°	335.5	335.5	335.5	335.0	335.5	333.9	333.9
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9

(END OF REPORT)