

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: P333606-927

Luminaire Tested: **S125RDIP-S1090D1205U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333606-927
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-S1090D1205U927-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6800.9 lumens
Efficiency: N/A
Efficacy: 104.0 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

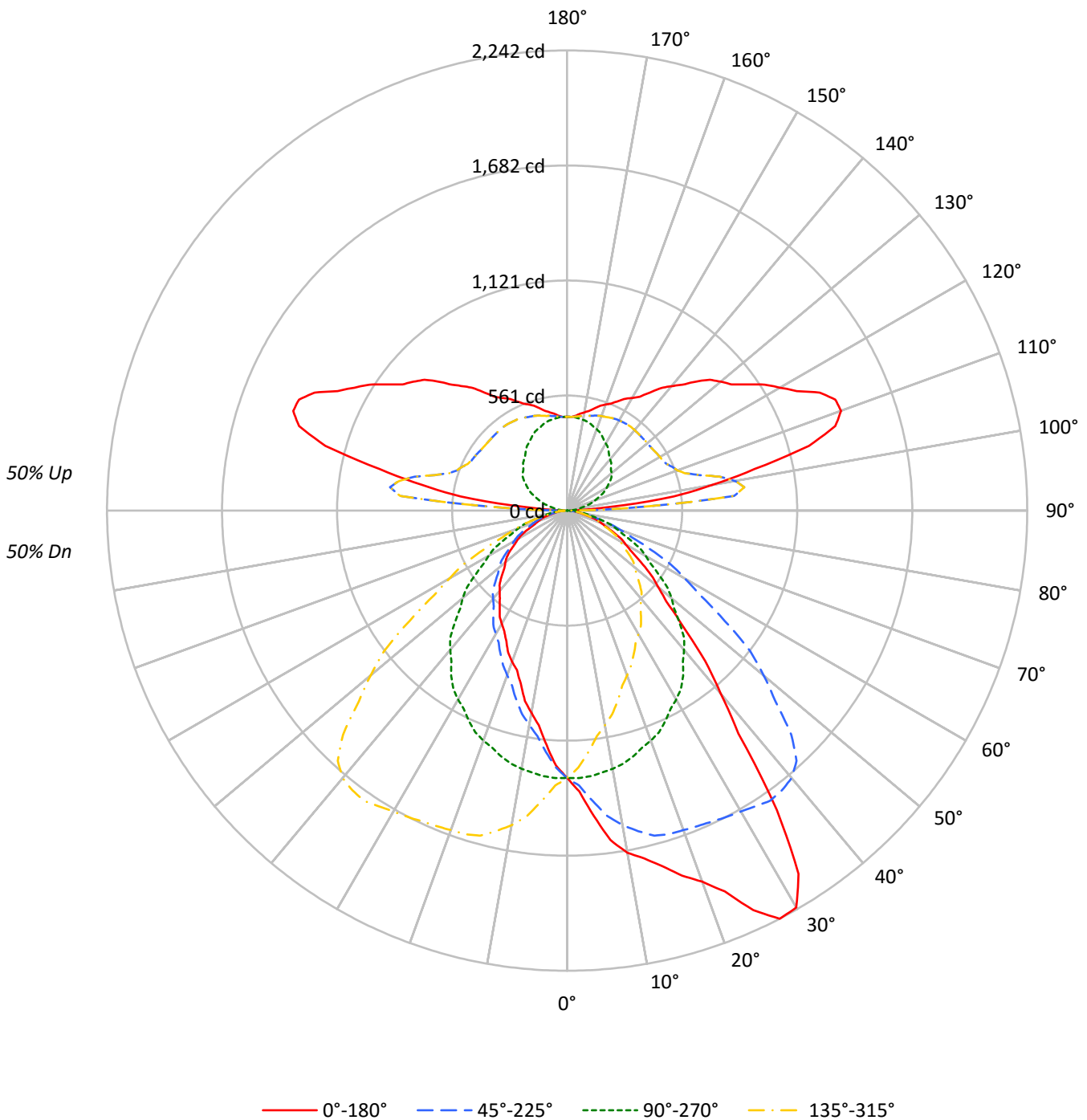
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	43
2	90	83	77	72	83	76	71	67	65	61	58	54	52	49	44	43	41	36
3	82	73	66	60	75	68	61	56	58	53	49	48	45	42	40	37	35	31
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	58	50	44	64	54	47	41	46	41	36	39	35	32	32	29	27	24
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	29	26	24	21
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	25	21	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8412	8412	8412	8412
5°	9678	8423	7439	8423
10°	11101	8380	6564	8380
15°	11990	8294	5834	8294
20°	13221	8194	5388	8194
25°	15302	8062	4999	8062
30°	16651	7923	4745	7923
35°	14046	7761	4511	7761
40°	9809	7470	4309	7470
45°	7277	7077	4112	7077
50°	5801	6666	3943	6666
55°	4925	6159	3792	6159
60°	4255	5704	3550	5704
65°	3791	5213	3055	5213
70°	3331	4775	2787	4775
75°	2882	4135	2615	4135
80°	2187	3481	2187	3481
85°	1823	2734	2060	2734



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	1.8
10°-20°	366.0	5.4
20°-30°	580.4	8.5
30°-40°	699.9	10.3
40°-50°	625.0	9.2
50°-60°	479.3	7.0
60°-70°	311.5	4.6
70°-80°	151.4	2.2
80°-90°	38.7	0.6
90°-100°	330.9	4.9
100°-110°	711.4	10.5
110°-120°	667.6	9.8
120°-130°	541.1	8.0
130°-140°	434.2	6.4
140°-150°	327.7	4.8
150°-160°	230.6	3.4
160°-170°	136.0	2.0
170°-180°	44.2	0.7
0°-30°	1071.3	15.8
0°-40°	1771.2	26.0
0°-60°	2875.5	42.3
0°-90°	3377.1	49.7
90°-120°	1710.0	25.1
90°-150°	3013.0	44.3
90°-180°	3424.0	50.3
0°-180°	6800.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1302	1302	1302	1302	1302	
5°	1493	1299	1147	1299	1493	149
15°	1793	1240	873	1240	1793	514
25°	2147	1131	702	1131	2147	986
35°	1782	984	572	984	1782	1076
45°	797	775	450	775	797	636
55°	437	547	337	547	437	397
65°	248	341	200	341	248	247
75°	116	166	105	166	116	123
85°	25	37	28	37	25	29
90°	21	1	21	1	21	16
95°	216	30	216	30	216	306
105°	1220	104	1220	104	1220	1212
115°	1359	186	1359	186	1359	1327
125°	1071	258	1071	258	1071	969
135°	889	302	889	302	889	689
145°	701	352	701	352	701	446
155°	588	401	588	401	588	274
165°	516	438	516	438	516	147
175°	463	456	463	456	463	45
180°	456	456	456	456	456	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1370.1	1369.2	1371.0	1366.2	1366.7	1359.4	1359.4	1353.8	1346.6	1341.0	1338.4
5°	1492.8	1493.9	1491.8	1483.8	1478.4	1470.4	1461.3	1445.3	1431.9	1419.0	1408.9
7.5°	1619.2	1619.9	1612.9	1610.4	1597.0	1587.1	1566.9	1545.1	1525.7	1501.2	1482.3
10°	1692.8	1692.3	1684.7	1678.9	1667.1	1652.2	1632.4	1606.7	1582.6	1555.9	1530.3
12.5°	1735.6	1734.2	1731.8	1724.7	1713.7	1700.5	1683.7	1658.4	1628.8	1599.6	1569.6
15°	1793.3	1789.5	1782.6	1773.5	1758.0	1742.5	1723.8	1701.4	1673.0	1639.8	1612.1
17.5°	1864.7	1864.9	1854.2	1841.5	1820.4	1793.1	1764.2	1728.0	1689.5	1653.0	1623.4
20°	1923.7	1922.2	1911.5	1886.9	1862.8	1828.6	1795.5	1751.0	1704.0	1656.5	1619.5
22.5°	2008.5	2004.3	1993.1	1960.9	1923.6	1879.5	1828.8	1774.6	1717.7	1663.7	1615.3
25°	2147.3	2144.0	2122.1	2084.7	2032.3	1964.4	1898.1	1823.8	1742.0	1670.9	1612.1
27.5°	2242.2	2238.7	2222.5	2191.3	2143.0	2071.6	1981.8	1882.5	1780.4	1682.5	1597.8
30°	2232.8	2240.8	2238.7	2224.3	2187.9	2123.8	2040.9	1929.1	1807.8	1692.8	1591.7
32.5°	2098.5	2105.7	2124.5	2152.8	2155.0	2129.3	2067.4	1964.2	1838.6	1707.8	1587.1
35°	1781.5	1791.2	1827.6	1884.8	1959.6	2022.1	2035.0	1979.3	1866.5	1725.9	1580.0
37.5°	1369.6	1422.2	1452.9	1513.1	1626.2	1741.2	1851.9	1892.7	1844.6	1718.5	1568.5
40°	1163.5	1176.3	1230.8	1298.7	1393.9	1513.7	1671.4	1785.3	1789.1	1701.4	1550.5
42.5°	995.8	1012.0	1049.5	1103.7	1185.2	1305.0	1467.8	1618.0	1687.7	1654.3	1527.0
45°	796.7	809.0	836.2	878.0	940.5	1039.4	1179.5	1353.3	1491.2	1545.2	1464.0
47.5°	654.4	661.1	684.8	716.6	762.9	835.0	943.4	1094.2	1259.7	1375.7	1364.3
50°	577.4	584.9	603.1	627.2	666.2	727.1	813.8	939.4	1110.0	1251.6	1280.0
52.5°	517.5	523.8	535.1	557.9	590.1	636.9	706.9	820.5	974.0	1124.7	1190.2
55°	437.4	441.6	450.8	463.6	489.3	522.9	583.4	661.9	786.0	937.8	1034.0
57.5°	371.3	373.4	379.2	391.1	408.8	433.4	477.1	543.7	632.6	769.4	875.6
60°	329.4	331.5	339.0	347.0	360.9	383.3	417.6	464.1	549.6	662.5	769.9
62.5°	296.0	297.3	300.5	308.5	320.7	338.0	365.0	402.9	471.0	570.1	671.5
65°	248.1	248.6	249.7	256.1	263.6	276.4	294.1	320.8	372.2	447.0	536.8
67.5°	202.1	202.9	206.6	208.8	216.7	223.4	233.8	254.2	290.3	340.8	410.7
70°	176.4	175.9	179.7	182.4	185.0	193.1	199.9	216.6	239.0	277.5	335.8
72.5°	152.5	151.1	152.7	153.7	157.2	162.6	169.6	179.7	197.1	223.6	268.2
75°	115.5	116.1	116.1	117.1	119.8	121.9	124.1	129.4	139.0	156.7	180.7
77.5°	81.0	80.2	82.5	82.8	84.4	86.7	88.6	90.7	94.7	101.9	114.3
80°	58.8	58.8	59.3	60.9	60.4	61.5	64.2	66.3	71.1	75.4	79.7
82.5°	45.2	44.7	45.2	45.6	45.5	46.5	47.5	47.9	49.7	51.9	54.8
85°	24.6	24.6	25.1	25.1	25.7	25.7	26.2	26.2	26.2	26.7	27.3
87.5°	13.6	13.2	12.6	12.6	13.1	13.5	12.9	12.3	12.1	12.0	12.0
90°	21.2	21.2	20.3	20.3	20.3	18.4	17.5	16.6	15.7	14.7	12.9
92.5°	58.7	60.2	61.5	63.7	75.5	89.1	118.4	163.1	240.3	296.8	301.6
95°	216.3	231.1	238.4	266.0	331.4	408.7	521.9	661.8	798.0	815.6	665.5
97.5°	522.8	534.6	561.3	612.8	669.7	777.3	887.6	985.6	1009.8	870.9	594.3
100°	718.0	732.7	766.8	833.1	896.5	992.3	1087.1	1132.2	1061.3	831.2	530.2
102.5°	936.0	947.0	984.0	1031.1	1099.1	1163.9	1209.3	1181.5	1030.4	761.2	481.6
105°	1219.6	1230.7	1249.1	1279.5	1308.9	1319.1	1278.6	1152.5	931.5	667.3	434.4
107.5°	1370.2	1377.6	1383.7	1383.9	1369.0	1320.9	1216.9	1048.6	830.7	602.7	414.5
110°	1420.3	1420.3	1413.9	1396.4	1354.9	1276.7	1146.9	972.0	773.2	572.5	408.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1414.4	1407.8	1391.8	1361.8	1301.2	1208.9	1077.7	911.6	730.5	554.8	408.7
115°	1358.6	1346.6	1320.9	1276.7	1204.9	1104.5	978.5	835.8	683.9	535.8	411.5
117.5°	1260.8	1253.5	1228.0	1182.3	1110.5	1018.4	909.8	786.8	656.1	526.3	417.6
120°	1197.5	1190.2	1165.3	1121.2	1053.0	972.0	870.8	760.3	640.6	521.9	423.4
122.5°	1141.6	1135.0	1110.1	1069.6	1008.8	933.0	842.8	740.5	627.4	518.2	428.6
125°	1070.6	1061.3	1041.1	1003.3	951.8	885.5	805.4	711.5	609.3	513.7	437.2
127.5°	1009.8	1005.8	986.6	953.2	906.5	844.5	769.7	682.1	592.8	511.4	446.9
130°	976.6	971.1	952.7	922.3	876.3	816.5	744.7	663.7	581.8	509.9	452.9
132.5°	943.5	937.2	920.3	889.9	843.9	786.2	721.1	645.2	572.9	509.9	459.5
135°	889.2	883.7	867.1	836.7	796.2	743.8	684.8	621.3	562.4	509.9	468.5
137.5°	831.2	825.1	809.8	782.2	746.0	701.4	652.4	601.1	553.0	511.0	476.8
140°	790.7	786.1	772.3	748.4	714.3	675.7	633.3	590.0	548.6	511.7	480.5
142.5°	753.1	749.2	736.2	716.0	687.1	653.6	617.1	580.4	544.9	512.5	482.7
145°	701.4	697.8	687.6	671.9	649.8	625.0	596.4	567.9	539.4	511.7	485.1
147.5°	657.6	655.9	650.1	637.5	620.0	601.3	579.3	556.2	533.7	509.4	486.0
150°	633.3	632.4	628.7	617.7	603.8	587.2	569.8	549.5	529.3	507.2	486.0
152.5°	614.2	613.2	609.5	600.7	589.1	576.2	560.2	542.2	524.1	504.2	485.3
155°	588.2	587.2	584.5	578.1	568.9	558.7	545.8	531.1	515.5	498.9	483.2
157.5°	565.0	565.1	562.6	557.2	550.1	542.2	532.2	520.1	507.4	493.4	480.9
160°	549.5	550.5	548.6	544.0	537.6	531.1	521.9	512.7	500.7	489.7	478.6
162.5°	535.5	535.8	535.4	531.5	526.5	520.8	513.1	504.6	494.9	485.3	476.4
165°	515.5	515.5	515.5	513.7	509.9	505.3	499.8	493.4	486.0	478.6	473.1
167.5°	497.1	497.3	498.0	496.3	494.5	491.2	487.0	482.7	477.4	472.2	467.9
170°	486.0	487.0	487.0	486.0	484.2	482.4	479.6	476.8	472.2	468.5	465.8
172.5°	475.7	476.7	478.1	476.4	476.1	475.0	472.9	470.2	467.1	464.1	462.8
175°	463.0	463.9	465.8	464.9	464.9	464.9	463.0	463.0	460.3	459.3	459.3
177.5°	456.5	456.5	458.8	458.0	458.8	458.8	458.8	458.0	457.3	456.5	456.5
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1338.4	1335.4	1329.8	1324.7	1318.3	1312.7	1308.9	1304.2	1298.2	1290.9	1284.9
5°	1397.6	1385.8	1370.4	1357.0	1339.9	1326.5	1312.6	1299.3	1285.9	1268.8	1253.8
7.5°	1463.3	1439.0	1415.4	1385.7	1358.8	1334.7	1311.5	1288.2	1265.3	1241.0	1217.6
10°	1503.5	1474.1	1441.5	1404.1	1369.8	1337.2	1307.3	1277.9	1246.9	1219.6	1190.2
12.5°	1541.2	1503.2	1465.9	1418.6	1377.5	1337.7	1299.6	1262.9	1229.8	1194.4	1162.8
15°	1575.2	1537.7	1496.0	1438.3	1381.1	1332.9	1288.0	1240.5	1199.3	1159.7	1124.4
17.5°	1588.3	1549.0	1500.6	1445.1	1382.6	1322.1	1264.2	1212.0	1163.6	1117.5	1077.8
20°	1583.2	1545.2	1495.5	1442.6	1375.7	1312.6	1250.1	1192.3	1138.4	1089.6	1047.4
22.5°	1570.7	1531.5	1483.5	1427.6	1364.1	1297.2	1230.4	1168.8	1112.2	1061.8	1015.8
25°	1552.2	1498.7	1449.5	1395.0	1334.6	1268.3	1199.3	1131.4	1071.0	1019.6	969.4
27.5°	1532.8	1466.1	1403.5	1349.3	1285.5	1226.3	1159.8	1090.2	1026.7	974.4	922.8
30°	1515.3	1440.4	1371.4	1310.0	1249.5	1193.4	1130.3	1062.4	997.2	943.2	890.8
32.5°	1493.4	1413.9	1338.1	1267.2	1208.9	1153.2	1096.1	1031.2	967.7	912.0	858.7
35°	1466.1	1364.5	1282.1	1206.7	1142.1	1088.1	1036.7	984.4	920.8	863.0	811.1
37.5°	1430.1	1314.9	1219.6	1137.5	1069.2	1015.0	974.5	926.6	868.5	813.3	765.1
40°	1408.3	1279.0	1174.6	1093.4	1021.8	964.6	926.6	886.0	833.1	781.2	733.0
42.5°	1379.3	1246.0	1129.3	1044.7	972.6	917.5	879.1	843.6	799.2	750.4	698.8
45°	1322.2	1182.2	1059.7	968.8	896.1	842.1	806.3	774.8	741.1	696.2	651.3
47.5°	1248.0	1115.6	987.5	888.2	817.0	766.8	732.1	707.2	683.1	644.9	601.3
50°	1188.6	1060.8	935.6	839.5	763.5	715.9	683.3	663.5	641.6	606.9	570.5
52.5°	1118.4	1004.3	881.8	783.4	711.8	667.2	635.8	616.1	598.0	569.7	535.0
55°	1007.9	907.9	795.6	706.3	640.6	595.6	565.7	547.0	536.3	512.2	485.0
57.5°	880.3	808.7	709.6	623.5	565.4	521.0	499.1	483.2	471.0	454.1	434.8
60°	791.3	741.1	652.3	570.5	517.1	474.8	455.0	441.6	430.4	416.0	401.0
62.5°	701.1	664.5	587.3	517.1	467.9	432.5	413.9	401.9	389.0	379.2	364.6
65°	580.1	547.5	494.0	438.9	393.6	365.2	351.8	341.1	333.1	322.4	312.3
67.5°	451.3	438.0	401.1	363.1	330.5	305.3	293.7	286.3	276.6	270.2	263.2
70°	372.2	365.8	339.5	314.4	283.9	266.8	256.1	252.9	241.1	234.7	229.9
72.5°	302.0	299.0	283.9	266.5	245.0	230.0	220.1	216.6	209.1	203.9	200.8
75°	206.9	208.0	205.3	194.1	186.1	176.4	167.9	165.7	160.4	156.1	153.4
77.5°	130.9	136.3	136.6	136.0	132.8	126.9	123.4	121.8	116.5	114.9	114.3
80°	89.8	95.7	101.1	100.5	99.4	97.8	95.1	93.6	90.9	89.3	88.2
82.5°	59.9	65.4	69.8	72.7	72.5	70.9	69.1	68.4	67.8	66.6	66.4
85°	28.4	29.4	31.0	34.8	37.4	37.9	37.4	36.9	35.3	35.8	36.4
87.5°	12.2	11.9	12.1	11.7	10.9	12.7	13.6	13.9	13.2	12.7	12.2
90°	12.0	10.1	9.2	7.4	5.5	3.6	1.8	1.0	1.8	3.6	5.5
92.5°	210.1	125.7	75.5	48.6	32.8	21.4	13.6	11.2	13.6	21.4	32.8
95°	411.5	209.0	110.4	69.0	48.8	38.7	31.3	30.3	31.3	38.7	48.8
97.5°	328.4	180.1	114.9	85.1	66.9	56.7	51.6	50.5	51.6	56.7	66.9
100°	298.3	178.6	125.2	97.6	80.1	69.9	66.3	64.4	66.3	69.9	80.1
102.5°	285.7	185.2	137.7	110.8	94.8	84.0	81.0	79.9	81.0	84.0	94.8
105°	280.7	198.8	158.4	132.5	117.8	108.6	104.0	104.0	104.0	108.6	117.8
107.5°	289.2	219.0	179.8	156.7	141.4	133.8	129.4	127.5	129.4	133.8	141.4
110°	297.3	233.8	196.1	172.1	158.4	150.0	146.4	144.5	146.4	150.0	158.4



TEST NUMBER: P333606-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	307.6	247.8	211.5	188.3	174.5	166.2	163.3	161.4	163.3	166.2	174.5
115°	323.1	269.7	235.7	212.6	198.8	190.5	187.7	185.9	187.7	190.5	198.8
117.5°	340.8	292.2	259.9	237.7	222.0	213.7	210.8	208.0	210.8	213.7	222.0
120°	352.5	308.4	276.2	253.1	237.5	229.2	225.5	222.8	225.5	229.2	237.5
122.5°	365.8	323.8	291.6	268.6	251.4	243.2	240.3	238.2	240.3	243.2	251.4
125°	383.8	344.3	313.9	289.9	272.4	264.2	259.6	257.7	259.6	264.2	272.4
127.5°	400.4	363.9	334.7	310.8	292.2	281.7	275.8	273.0	275.8	281.7	292.2
130°	411.5	376.4	347.9	324.0	304.7	292.7	285.3	282.6	285.3	292.7	304.7
132.5°	421.0	388.2	359.7	335.8	315.8	302.3	293.4	289.9	293.4	302.3	315.8
135°	434.4	404.1	375.6	350.7	331.4	316.6	305.6	301.9	305.6	316.6	331.4
137.5°	444.4	415.3	389.4	363.8	344.8	330.1	319.8	317.0	319.8	330.1	344.8
140°	451.1	423.4	396.7	371.9	354.4	339.7	328.6	325.8	328.6	339.7	354.4
142.5°	454.7	428.6	403.4	380.0	363.2	348.5	338.2	336.1	338.2	348.5	363.2
145°	460.3	437.2	413.3	392.1	375.6	362.7	353.5	351.6	353.5	362.7	375.6
147.5°	463.6	442.8	421.8	403.1	388.8	376.8	368.9	367.8	368.9	376.8	388.8
150°	465.8	446.4	426.2	410.5	397.7	385.7	379.2	377.4	379.2	385.7	397.7
152.5°	467.2	450.1	431.3	417.2	405.0	394.5	388.8	387.7	388.8	394.5	405.0
155°	468.5	453.8	438.2	425.2	416.1	406.9	401.3	401.3	401.3	406.9	416.1
157.5°	469.4	456.9	443.5	433.7	425.6	417.7	413.3	413.5	413.3	417.7	425.6
160°	469.4	458.4	446.4	438.2	430.8	424.4	420.6	421.6	420.6	424.4	430.8
162.5°	468.7	459.9	449.4	442.6	436.7	430.9	427.3	428.2	427.3	430.9	436.7
165°	467.6	460.3	452.9	447.3	443.7	439.1	436.3	438.2	436.3	439.1	443.7
167.5°	465.4	460.3	454.2	450.7	448.1	445.5	443.9	444.8	443.9	445.5	448.1
170°	463.9	460.3	455.7	452.9	451.1	449.2	448.3	449.2	448.3	449.2	451.1
172.5°	462.5	459.5	455.7	454.3	453.2	451.4	450.5	452.2	450.5	451.4	453.2
175°	460.3	458.4	455.7	455.7	455.7	454.7	453.8	455.7	453.8	454.7	455.7
177.5°	458.0	457.3	455.8	455.8	456.5	455.8	455.8	457.3	455.8	455.8	456.5
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



TEST NUMBER: P333606-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1280.6	1274.7	1270.4	1261.9	1255.8	1253.3	1248.6	1247.3	1252.0	1248.6	1248.2
5°	1242.6	1227.1	1214.8	1202.5	1189.1	1180.6	1167.8	1165.6	1162.4	1157.5	1156.5
7.5°	1196.9	1176.7	1160.9	1140.6	1122.9	1108.7	1092.7	1085.1	1080.9	1074.7	1066.4
10°	1166.1	1142.1	1120.7	1100.3	1078.5	1060.8	1044.7	1032.5	1024.5	1016.9	1013.8
12.5°	1135.8	1111.3	1083.9	1059.3	1034.8	1015.0	997.3	989.3	980.4	971.6	964.2
15°	1088.6	1056.0	1026.0	997.7	976.8	955.5	938.3	926.6	913.2	909.5	895.1
17.5°	1038.6	1006.5	971.5	941.7	917.5	894.0	875.1	861.8	851.8	838.0	831.3
20°	1007.3	969.4	935.2	907.9	881.1	853.3	834.1	822.8	813.3	802.0	796.7
22.5°	974.0	936.8	901.8	869.8	842.6	815.3	801.6	790.0	779.0	768.7	761.6
25°	925.0	887.6	850.6	817.5	789.2	769.4	753.4	740.0	734.1	724.0	716.4
27.5°	876.5	836.8	798.5	765.4	743.2	723.7	710.5	699.9	689.3	680.4	673.9
30°	845.3	804.7	763.0	736.8	713.3	694.5	680.1	669.9	661.9	653.9	649.1
32.5°	814.1	772.2	735.1	706.9	684.6	668.4	653.6	643.9	635.4	626.5	620.8
35°	764.1	721.3	691.3	663.5	641.6	626.6	616.5	602.6	595.6	589.2	583.4
37.5°	717.6	677.8	645.4	621.0	601.9	587.1	573.9	566.4	557.9	552.1	547.2
40°	683.3	647.0	617.6	591.9	578.0	561.4	549.1	539.5	533.1	525.6	520.2
42.5°	652.5	618.7	590.2	567.0	549.8	535.8	523.9	514.3	506.1	500.8	496.3
45°	609.0	575.3	547.5	526.1	510.1	496.7	484.4	479.6	468.9	462.5	460.3
47.5°	564.0	533.9	507.0	487.3	470.9	458.2	446.6	436.8	430.9	424.6	421.2
50°	533.6	504.7	479.6	460.3	444.3	430.4	419.7	413.3	405.3	399.4	395.1
52.5°	503.3	476.5	451.4	433.0	419.1	405.2	393.2	386.8	379.2	375.4	372.5
55°	459.9	431.5	410.1	391.9	377.5	364.6	353.4	347.0	342.2	338.4	337.4
57.5°	410.7	388.2	368.3	351.9	336.9	324.9	315.1	309.0	304.7	304.1	301.0
60°	378.6	358.2	340.1	322.4	309.6	298.3	289.8	282.8	278.5	278.1	276.9
62.5°	346.5	327.0	310.1	294.6	283.0	272.3	264.1	256.4	253.7	251.1	248.7
65°	298.9	281.2	267.4	255.0	242.7	233.6	225.6	220.9	214.9	211.8	205.9
67.5°	252.2	238.4	225.1	214.8	205.1	196.5	189.8	182.7	178.7	176.1	171.8
70°	221.3	210.6	197.3	186.1	178.6	171.7	166.3	158.3	155.6	153.4	151.3
72.5°	192.3	182.8	171.7	162.6	155.0	148.5	142.4	138.6	135.9	133.8	132.5
75°	151.3	142.2	132.6	126.2	120.8	115.5	112.3	109.6	108.5	108.0	105.8
77.5°	111.1	106.3	98.6	93.5	89.9	87.8	84.9	83.5	83.4	81.0	80.3
80°	85.0	82.3	75.9	73.8	71.1	69.0	67.3	64.7	62.0	60.9	59.3
82.5°	63.2	60.5	58.0	54.5	52.3	51.0	49.4	48.4	48.8	47.3	46.5
85°	33.7	31.0	29.9	29.4	28.4	29.4	28.8	28.4	27.8	27.3	27.8
87.5°	12.2	12.5	12.3	13.5	12.4	13.2	13.4	13.2	13.3	13.5	13.5
90°	7.4	9.2	10.1	12.0	12.9	14.7	15.7	16.6	17.5	18.4	20.3
92.5°	48.6	75.5	125.7	210.1	301.6	296.8	240.3	163.1	118.4	89.1	75.5
95°	69.0	110.4	209.0	411.5	665.5	815.6	798.0	661.8	521.9	408.7	331.4
97.5°	85.1	114.9	180.1	328.4	594.3	870.9	1009.8	985.6	887.6	777.3	669.7
100°	97.6	125.2	178.6	298.3	530.2	831.2	1061.3	1132.2	1087.1	992.3	896.5
102.5°	110.8	137.7	185.2	285.7	481.6	761.2	1030.4	1181.5	1209.3	1163.9	1099.1
105°	132.5	158.4	198.8	280.7	434.4	667.3	931.5	1152.5	1278.6	1319.1	1308.9
107.5°	156.7	179.8	219.0	289.2	414.5	602.7	830.7	1048.6	1216.9	1320.9	1369.0
110°	172.1	196.1	233.8	297.3	408.7	572.5	773.2	972.0	1146.9	1276.7	1354.9



TEST NUMBER: P333606-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	188.3	211.5	247.8	307.6	408.7	554.8	730.5	911.6	1077.7	1208.9	1301.2
115°	212.6	235.7	269.7	323.1	411.5	535.8	683.9	835.8	978.5	1104.5	1204.9
117.5°	237.7	259.9	292.2	340.8	417.6	526.3	656.1	786.8	909.8	1018.4	1110.5
120°	253.1	276.2	308.4	352.5	423.4	521.9	640.6	760.3	870.8	972.0	1053.0
122.5°	268.6	291.6	323.8	365.8	428.6	518.2	627.4	740.5	842.8	933.0	1008.8
125°	289.9	313.9	344.3	383.8	437.2	513.7	609.3	711.5	805.4	885.5	951.8
127.5°	310.8	334.7	363.9	400.4	446.9	511.4	592.8	682.1	769.7	844.5	906.5
130°	324.0	347.9	376.4	411.5	452.9	509.9	581.8	663.7	744.7	816.5	876.3
132.5°	335.8	359.7	388.2	421.0	459.5	509.9	572.9	645.2	721.1	786.2	843.9
135°	350.7	375.6	404.1	434.4	468.5	509.9	562.4	621.3	684.8	743.8	796.2
137.5°	363.8	389.4	415.3	444.4	476.8	511.0	553.0	601.1	652.4	701.4	746.0
140°	371.9	396.7	423.4	451.1	480.5	511.7	548.6	590.0	633.3	675.7	714.3
142.5°	380.0	403.4	428.6	454.7	482.7	512.5	544.9	580.4	617.1	653.6	687.1
145°	392.1	413.3	437.2	460.3	485.1	511.7	539.4	567.9	596.4	625.0	649.8
147.5°	403.1	421.8	442.8	463.6	486.0	509.4	533.7	556.2	579.3	601.3	620.0
150°	410.5	426.2	446.4	465.8	486.0	507.2	529.3	549.5	569.8	587.2	603.8
152.5°	417.2	431.3	450.1	467.2	485.3	504.2	524.1	542.2	560.2	576.2	589.1
155°	425.2	438.2	453.8	468.5	483.2	498.9	515.5	531.1	545.8	558.7	568.9
157.5°	433.7	443.5	456.9	469.4	480.9	493.4	507.4	520.1	532.2	542.2	550.1
160°	438.2	446.4	458.4	469.4	478.6	489.7	500.7	512.7	521.9	531.1	537.6
162.5°	442.6	449.4	459.9	468.7	476.4	485.3	494.9	504.6	513.1	520.8	526.5
165°	447.3	452.9	460.3	467.6	473.1	478.6	486.0	493.4	499.8	505.3	509.9
167.5°	450.7	454.2	460.3	465.4	467.9	472.2	477.4	482.7	487.0	491.2	494.5
170°	452.9	455.7	460.3	463.9	465.8	468.5	472.2	476.8	479.6	482.4	484.2
172.5°	454.3	455.7	459.5	462.5	462.8	464.1	467.1	470.2	472.9	475.0	476.1
175°	455.7	455.7	458.4	460.3	459.3	459.3	460.3	463.0	463.0	464.9	464.9
177.5°	455.8	455.8	457.3	458.0	456.5	456.5	457.3	458.0	458.8	458.8	458.8
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



TEST NUMBER: P333606-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1247.7	1243.0	1241.7	1243.4	1241.7	1243.0	1247.7	1248.2	1248.6	1252.0	1247.3
5°	1151.2	1145.8	1148.5	1147.4	1148.5	1145.8	1151.2	1156.5	1157.5	1162.4	1165.6
7.5°	1066.3	1059.6	1052.6	1054.8	1052.6	1059.6	1066.3	1066.4	1074.7	1080.9	1085.1
10°	1006.8	1001.5	998.2	1000.9	998.2	1001.5	1006.8	1013.8	1016.9	1024.5	1032.5
12.5°	956.7	953.5	950.8	949.6	950.8	953.5	956.7	964.2	971.6	980.4	989.3
15°	888.7	882.3	879.6	872.6	879.6	882.3	888.7	895.1	909.5	913.2	926.6
17.5°	825.9	823.7	816.7	813.8	816.7	823.7	825.9	831.3	838.0	851.8	861.8
20°	788.6	786.5	779.6	783.9	779.6	786.5	788.6	796.7	802.0	813.3	822.8
22.5°	757.9	753.1	750.9	749.6	750.9	753.1	757.9	761.6	768.7	779.0	790.0
25°	714.3	707.3	704.7	701.5	704.7	707.3	714.3	716.4	724.0	734.1	740.0
27.5°	670.9	667.2	663.6	662.8	663.6	667.2	670.9	673.9	680.4	689.3	699.9
30°	642.7	639.0	636.3	636.3	636.3	639.0	642.7	649.1	653.9	661.9	669.9
32.5°	617.4	614.6	611.9	611.5	611.9	614.6	617.4	620.8	626.5	635.4	643.9
35°	580.7	576.4	575.3	572.1	575.3	576.4	580.7	583.4	589.2	595.6	602.6
37.5°	542.5	538.9	538.8	538.5	538.8	538.9	542.5	547.2	552.1	557.9	566.4
40°	518.1	515.4	514.9	511.1	514.9	515.4	518.1	520.2	525.6	533.1	539.5
42.5°	492.0	490.6	488.8	487.2	488.8	490.6	492.0	496.3	500.8	506.1	514.3
45°	456.6	452.9	452.9	450.2	452.9	452.9	456.6	460.3	462.5	468.9	479.6
47.5°	420.0	417.2	417.5	414.7	417.5	417.2	420.0	421.2	424.6	430.9	436.8
50°	395.7	394.0	393.6	392.4	393.6	394.0	395.7	395.1	399.4	405.3	413.3
52.5°	371.3	370.5	372.6	370.2	372.6	370.5	371.3	372.5	375.4	379.2	386.8
55°	338.4	336.8	340.1	336.8	340.1	336.8	338.4	337.4	338.4	342.2	347.0
57.5°	300.7	299.2	302.1	300.5	302.1	299.2	300.7	301.0	304.1	304.7	309.0
60°	275.9	272.7	274.3	274.8	274.3	272.7	275.9	276.9	278.1	278.5	282.8
62.5°	246.4	244.5	245.7	243.2	245.7	244.5	246.4	248.7	251.1	253.7	256.4
65°	204.8	203.2	201.1	199.9	201.1	203.2	204.8	205.9	211.8	214.9	220.9
67.5°	172.1	168.2	168.1	169.0	168.1	168.2	172.1	171.8	176.1	178.7	182.7
70°	148.1	148.1	147.6	147.6	147.6	148.1	148.1	151.3	153.4	155.6	158.3
72.5°	131.4	131.0	130.0	129.6	130.0	131.0	131.4	132.5	133.8	135.9	138.6
75°	105.8	106.4	105.4	104.8	105.4	106.4	105.8	105.8	108.0	108.5	109.6
77.5°	78.2	75.9	77.1	75.9	77.1	75.9	78.2	80.3	81.0	83.4	83.5
80°	59.3	58.8	60.4	58.8	60.4	58.8	59.3	59.3	60.9	62.0	64.7
82.5°	47.0	46.4	47.1	45.9	47.1	46.4	47.0	46.5	47.3	48.8	48.4
85°	28.4	27.8	27.3	27.8	27.3	27.8	28.4	27.8	27.3	27.8	28.4
87.5°	13.9	13.5	13.6	13.6	13.6	13.5	13.9	13.5	13.5	13.3	13.2
90°	20.3	20.3	21.2	21.2	21.2	20.3	20.3	20.3	18.4	17.5	16.6
92.5°	63.7	61.5	60.2	58.7	60.2	61.5	63.7	75.5	89.1	118.4	163.1
95°	266.0	238.4	231.1	216.3	231.1	238.4	266.0	331.4	408.7	521.9	661.8
97.5°	612.8	561.3	534.6	522.8	534.6	561.3	612.8	669.7	777.3	887.6	985.6
100°	833.1	766.8	732.7	718.0	732.7	766.8	833.1	896.5	992.3	1087.1	1132.2
102.5°	1031.1	984.0	947.0	936.0	947.0	984.0	1031.1	1099.1	1163.9	1209.3	1181.5
105°	1279.5	1249.1	1230.7	1219.6	1230.7	1249.1	1279.5	1308.9	1319.1	1278.6	1152.5
107.5°	1383.9	1383.7	1377.6	1370.2	1377.6	1383.7	1383.9	1369.0	1320.9	1216.9	1048.6
110°	1396.4	1413.9	1420.3	1420.3	1420.3	1413.9	1396.4	1354.9	1276.7	1146.9	972.0



TEST NUMBER: P333606-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1361.8	1391.8	1407.8	1414.4	1407.8	1391.8	1361.8	1301.2	1208.9	1077.7	911.6
115°	1276.7	1320.9	1346.6	1358.6	1346.6	1320.9	1276.7	1204.9	1104.5	978.5	835.8
117.5°	1182.3	1228.0	1253.5	1260.8	1253.5	1228.0	1182.3	1110.5	1018.4	909.8	786.8
120°	1121.2	1165.3	1190.2	1197.5	1190.2	1165.3	1121.2	1053.0	972.0	870.8	760.3
122.5°	1069.6	1110.1	1135.0	1141.6	1135.0	1110.1	1069.6	1008.8	933.0	842.8	740.5
125°	1003.3	1041.1	1061.3	1070.6	1061.3	1041.1	1003.3	951.8	885.5	805.4	711.5
127.5°	953.2	986.6	1005.8	1009.8	1005.8	986.6	953.2	906.5	844.5	769.7	682.1
130°	922.3	952.7	971.1	976.6	971.1	952.7	922.3	876.3	816.5	744.7	663.7
132.5°	889.9	920.3	937.2	943.5	937.2	920.3	889.9	843.9	786.2	721.1	645.2
135°	836.7	867.1	883.7	889.2	883.7	867.1	836.7	796.2	743.8	684.8	621.3
137.5°	782.2	809.8	825.1	831.2	825.1	809.8	782.2	746.0	701.4	652.4	601.1
140°	748.4	772.3	786.1	790.7	786.1	772.3	748.4	714.3	675.7	633.3	590.0
142.5°	716.0	736.2	749.2	753.1	749.2	736.2	716.0	687.1	653.6	617.1	580.4
145°	671.9	687.6	697.8	701.4	697.8	687.6	671.9	649.8	625.0	596.4	567.9
147.5°	637.5	650.1	655.9	657.6	655.9	650.1	637.5	620.0	601.3	579.3	556.2
150°	617.7	628.7	632.4	633.3	632.4	628.7	617.7	603.8	587.2	569.8	549.5
152.5°	600.7	609.5	613.2	614.2	613.2	609.5	600.7	589.1	576.2	560.2	542.2
155°	578.1	584.5	587.2	588.2	587.2	584.5	578.1	568.9	558.7	545.8	531.1
157.5°	557.2	562.6	565.1	565.0	565.1	562.6	557.2	550.1	542.2	532.2	520.1
160°	544.0	548.6	550.5	549.5	550.5	548.6	544.0	537.6	531.1	521.9	512.7
162.5°	531.5	535.4	535.8	535.5	535.8	535.4	531.5	526.5	520.8	513.1	504.6
165°	513.7	515.5	515.5	515.5	515.5	515.5	513.7	509.9	505.3	499.8	493.4
167.5°	496.3	498.0	497.3	497.1	497.3	498.0	496.3	494.5	491.2	487.0	482.7
170°	486.0	487.0	487.0	486.0	487.0	487.0	486.0	484.2	482.4	479.6	476.8
172.5°	476.4	478.1	476.7	475.7	476.7	478.1	476.4	476.1	475.0	472.9	470.2
175°	464.9	465.8	463.9	463.0	463.9	465.8	464.9	464.9	464.9	463.0	463.0
177.5°	458.0	458.8	456.5	456.5	456.5	458.8	458.0	458.8	458.8	458.8	458.0
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



TEST NUMBER: P333606-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1248.6	1253.3	1255.8	1261.9	1270.4	1274.7	1280.6	1284.9	1290.9	1298.2	1304.2
5°	1167.8	1180.6	1189.1	1202.5	1214.8	1227.1	1242.6	1253.8	1268.8	1285.9	1299.3
7.5°	1092.7	1108.7	1122.9	1140.6	1160.9	1176.7	1196.9	1217.6	1241.0	1265.3	1288.2
10°	1044.7	1060.8	1078.5	1100.3	1120.7	1142.1	1166.1	1190.2	1219.6	1246.9	1277.9
12.5°	997.3	1015.0	1034.8	1059.3	1083.9	1111.3	1135.8	1162.8	1194.4	1229.8	1262.9
15°	938.3	955.5	976.8	997.7	1026.0	1056.0	1088.6	1124.4	1159.7	1199.3	1240.5
17.5°	875.1	894.0	917.5	941.7	971.5	1006.5	1038.6	1077.8	1117.5	1163.6	1212.0
20°	834.1	853.3	881.1	907.9	935.2	969.4	1007.3	1047.4	1089.6	1138.4	1192.3
22.5°	801.6	815.3	842.6	869.8	901.8	936.8	974.0	1015.8	1061.8	1112.2	1168.8
25°	753.4	769.4	789.2	817.5	850.6	887.6	925.0	969.4	1019.6	1071.0	1131.4
27.5°	710.5	723.7	743.2	765.4	798.5	836.8	876.5	922.8	974.4	1026.7	1090.2
30°	680.1	694.5	713.3	736.8	763.0	804.7	845.3	890.8	943.2	997.2	1062.4
32.5°	653.6	668.4	684.6	706.9	735.1	772.2	814.1	858.7	912.0	967.7	1031.2
35°	616.5	626.6	641.6	663.5	691.3	721.3	764.1	811.1	863.0	920.8	984.4
37.5°	573.9	587.1	601.9	621.0	645.4	677.8	717.6	765.1	813.3	868.5	926.6
40°	549.1	561.4	578.0	591.9	617.6	647.0	683.3	733.0	781.2	833.1	886.0
42.5°	523.9	535.8	549.8	567.0	590.2	618.7	652.5	698.8	750.4	799.2	843.6
45°	484.4	496.7	510.1	526.1	547.5	575.3	609.0	651.3	696.2	741.1	774.8
47.5°	446.6	458.2	470.9	487.3	507.0	533.9	564.0	601.3	644.9	683.1	707.2
50°	419.7	430.4	444.3	460.3	479.6	504.7	533.6	570.5	606.9	641.6	663.5
52.5°	393.2	405.2	419.1	433.0	451.4	476.5	503.3	535.0	569.7	598.0	616.1
55°	353.4	364.6	377.5	391.9	410.1	431.5	459.9	485.0	512.2	536.3	547.0
57.5°	315.1	324.9	336.9	351.9	368.3	388.2	410.7	434.8	454.1	471.0	483.2
60°	289.8	298.3	309.6	322.4	340.1	358.2	378.6	401.0	416.0	430.4	441.6
62.5°	264.1	272.3	283.0	294.6	310.1	327.0	346.5	364.6	379.2	389.0	401.9
65°	225.6	233.6	242.7	255.0	267.4	281.2	298.9	312.3	322.4	333.1	341.1
67.5°	189.8	196.5	205.1	214.8	225.1	238.4	252.2	263.2	270.2	276.6	286.3
70°	166.3	171.7	178.6	186.1	197.3	210.6	221.3	229.9	234.7	241.1	252.9
72.5°	142.4	148.5	155.0	162.6	171.7	182.8	192.3	200.8	203.9	209.1	216.6
75°	112.3	115.5	120.8	126.2	132.6	142.2	151.3	153.4	156.1	160.4	165.7
77.5°	84.9	87.8	89.9	93.5	98.6	106.3	111.1	114.3	114.9	116.5	121.8
80°	67.3	69.0	71.1	73.8	75.9	82.3	85.0	88.2	89.3	90.9	93.6
82.5°	49.4	51.0	52.3	54.5	58.0	60.5	63.2	66.4	66.6	67.8	68.4
85°	28.8	29.4	28.4	29.4	29.9	31.0	33.7	36.4	35.8	35.3	36.9
87.5°	13.4	13.2	12.4	13.5	12.3	12.5	12.2	12.2	12.7	13.2	13.9
90°	15.7	14.7	12.9	12.0	10.1	9.2	7.4	5.5	3.6	1.8	1.0
92.5°	240.3	296.8	301.6	210.1	125.7	75.5	48.6	32.8	21.4	13.6	11.2
95°	798.0	815.6	665.5	411.5	209.0	110.4	69.0	48.8	38.7	31.3	30.3
97.5°	1009.8	870.9	594.3	328.4	180.1	114.9	85.1	66.9	56.7	51.6	50.5
100°	1061.3	831.2	530.2	298.3	178.6	125.2	97.6	80.1	69.9	66.3	64.4
102.5°	1030.4	761.2	481.6	285.7	185.2	137.7	110.8	94.8	84.0	81.0	79.9
105°	931.5	667.3	434.4	280.7	198.8	158.4	132.5	117.8	108.6	104.0	104.0
107.5°	830.7	602.7	414.5	289.2	219.0	179.8	156.7	141.4	133.8	129.4	127.5
110°	773.2	572.5	408.7	297.3	233.8	196.1	172.1	158.4	150.0	146.4	144.5



TEST NUMBER: P333606-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	730.5	554.8	408.7	307.6	247.8	211.5	188.3	174.5	166.2	163.3	161.4
115°	683.9	535.8	411.5	323.1	269.7	235.7	212.6	198.8	190.5	187.7	185.9
117.5°	656.1	526.3	417.6	340.8	292.2	259.9	237.7	222.0	213.7	210.8	208.0
120°	640.6	521.9	423.4	352.5	308.4	276.2	253.1	237.5	229.2	225.5	222.8
122.5°	627.4	518.2	428.6	365.8	323.8	291.6	268.6	251.4	243.2	240.3	238.2
125°	609.3	513.7	437.2	383.8	344.3	313.9	289.9	272.4	264.2	259.6	257.7
127.5°	592.8	511.4	446.9	400.4	363.9	334.7	310.8	292.2	281.7	275.8	273.0
130°	581.8	509.9	452.9	411.5	376.4	347.9	324.0	304.7	292.7	285.3	282.6
132.5°	572.9	509.9	459.5	421.0	388.2	359.7	335.8	315.8	302.3	293.4	289.9
135°	562.4	509.9	468.5	434.4	404.1	375.6	350.7	331.4	316.6	305.6	301.9
137.5°	553.0	511.0	476.8	444.4	415.3	389.4	363.8	344.8	330.1	319.8	317.0
140°	548.6	511.7	480.5	451.1	423.4	396.7	371.9	354.4	339.7	328.6	325.8
142.5°	544.9	512.5	482.7	454.7	428.6	403.4	380.0	363.2	348.5	338.2	336.1
145°	539.4	511.7	485.1	460.3	437.2	413.3	392.1	375.6	362.7	353.5	351.6
147.5°	533.7	509.4	486.0	463.6	442.8	421.8	403.1	388.8	376.8	368.9	367.8
150°	529.3	507.2	486.0	465.8	446.4	426.2	410.5	397.7	385.7	379.2	377.4
152.5°	524.1	504.2	485.3	467.2	450.1	431.3	417.2	405.0	394.5	388.8	387.7
155°	515.5	498.9	483.2	468.5	453.8	438.2	425.2	416.1	406.9	401.3	401.3
157.5°	507.4	493.4	480.9	469.4	456.9	443.5	433.7	425.6	417.7	413.3	413.5
160°	500.7	489.7	478.6	469.4	458.4	446.4	438.2	430.8	424.4	420.6	421.6
162.5°	494.9	485.3	476.4	468.7	459.9	449.4	442.6	436.7	430.9	427.3	428.2
165°	486.0	478.6	473.1	467.6	460.3	452.9	447.3	443.7	439.1	436.3	438.2
167.5°	477.4	472.2	467.9	465.4	460.3	454.2	450.7	448.1	445.5	443.9	444.8
170°	472.2	468.5	465.8	463.9	460.3	455.7	452.9	451.1	449.2	448.3	449.2
172.5°	467.1	464.1	462.8	462.5	459.5	455.7	454.3	453.2	451.4	450.5	452.2
175°	460.3	459.3	459.3	460.3	458.4	455.7	455.7	455.7	454.7	453.8	455.7
177.5°	457.3	456.5	456.5	458.0	457.3	455.8	455.8	456.5	455.8	455.8	457.3
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



TEST NUMBER: P333606-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1308.9	1312.7	1318.3	1324.7	1329.8	1335.4	1338.4	1338.4	1341.0	1346.6	1353.8
5°	1312.6	1326.5	1339.9	1357.0	1370.4	1385.8	1397.6	1408.9	1419.0	1431.9	1445.3
7.5°	1311.5	1334.7	1358.8	1385.7	1415.4	1439.0	1463.3	1482.3	1501.2	1525.7	1545.1
10°	1307.3	1337.2	1369.8	1404.1	1441.5	1474.1	1503.5	1530.3	1555.9	1582.6	1606.7
12.5°	1299.6	1337.7	1377.5	1418.6	1465.9	1503.2	1541.2	1569.6	1599.6	1628.8	1658.4
15°	1288.0	1332.9	1381.1	1438.3	1496.0	1537.7	1575.2	1612.1	1639.8	1673.0	1701.4
17.5°	1264.2	1322.1	1382.6	1445.1	1500.6	1549.0	1588.3	1623.4	1653.0	1689.5	1728.0
20°	1250.1	1312.6	1375.7	1442.6	1495.5	1545.2	1583.2	1619.5	1656.5	1704.0	1751.0
22.5°	1230.4	1297.2	1364.1	1427.6	1483.5	1531.5	1570.7	1615.3	1663.7	1717.7	1774.6
25°	1199.3	1268.3	1334.6	1395.0	1449.5	1498.7	1552.2	1612.1	1670.9	1742.0	1823.8
27.5°	1159.8	1226.3	1285.5	1349.3	1403.5	1466.1	1532.8	1597.8	1682.5	1780.4	1882.5
30°	1130.3	1193.4	1249.5	1310.0	1371.4	1440.4	1515.3	1591.7	1692.8	1807.8	1929.1
32.5°	1096.1	1153.2	1208.9	1267.2	1338.1	1413.9	1493.4	1587.1	1707.8	1838.6	1964.2
35°	1036.7	1088.1	1142.1	1206.7	1282.1	1364.5	1466.1	1580.0	1725.9	1866.5	1979.3
37.5°	974.5	1015.0	1069.2	1137.5	1219.6	1314.9	1430.1	1568.5	1718.5	1844.6	1892.7
40°	926.6	964.6	1021.8	1093.4	1174.6	1279.0	1408.3	1550.5	1701.4	1789.1	1785.3
42.5°	879.1	917.5	972.6	1044.7	1129.3	1246.0	1379.3	1527.0	1654.3	1687.7	1618.0
45°	806.3	842.1	896.1	968.8	1059.7	1182.2	1322.2	1464.0	1545.2	1491.2	1353.3
47.5°	732.1	766.8	817.0	888.2	987.5	1115.6	1248.0	1364.3	1375.7	1259.7	1094.2
50°	683.3	715.9	763.5	839.5	935.6	1060.8	1188.6	1280.0	1251.6	1110.0	939.4
52.5°	635.8	667.2	711.8	783.4	881.8	1004.3	1118.4	1190.2	1124.7	974.0	820.5
55°	565.7	595.6	640.6	706.3	795.6	907.9	1007.9	1034.0	937.8	786.0	661.9
57.5°	499.1	521.0	565.4	623.5	709.6	808.7	880.3	875.6	769.4	632.6	543.7
60°	455.0	474.8	517.1	570.5	652.3	741.1	791.3	769.9	662.5	549.6	464.1
62.5°	413.9	432.5	467.9	517.1	587.3	664.5	701.1	671.5	570.1	471.0	402.9
65°	351.8	365.2	393.6	438.9	494.0	547.5	580.1	536.8	447.0	372.2	320.8
67.5°	293.7	305.3	330.5	363.1	401.1	438.0	451.3	410.7	340.8	290.3	254.2
70°	256.1	266.8	283.9	314.4	339.5	365.8	372.2	335.8	277.5	239.0	216.6
72.5°	220.1	230.0	245.0	266.5	283.9	299.0	302.0	268.2	223.6	197.1	179.7
75°	167.9	176.4	186.1	194.1	205.3	208.0	206.9	180.7	156.7	139.0	129.4
77.5°	123.4	126.9	132.8	136.0	136.6	136.3	130.9	114.3	101.9	94.7	90.7
80°	95.1	97.8	99.4	100.5	101.1	95.7	89.8	79.7	75.4	71.1	66.3
82.5°	69.1	70.9	72.5	72.7	69.8	65.4	59.9	54.8	51.9	49.7	47.9
85°	37.4	37.9	37.4	34.8	31.0	29.4	28.4	27.3	26.7	26.2	26.2
87.5°	13.6	12.7	10.9	11.7	12.1	11.9	12.2	12.0	12.0	12.1	12.3
90°	1.8	3.6	5.5	7.4	9.2	10.1	12.0	12.9	14.7	15.7	16.6
92.5°	13.6	21.4	32.8	48.6	75.5	125.7	210.1	301.6	296.8	240.3	163.1
95°	31.3	38.7	48.8	69.0	110.4	209.0	411.5	665.5	815.6	798.0	661.8
97.5°	51.6	56.7	66.9	85.1	114.9	180.1	328.4	594.3	870.9	1009.8	985.6
100°	66.3	69.9	80.1	97.6	125.2	178.6	298.3	530.2	831.2	1061.3	1132.2
102.5°	81.0	84.0	94.8	110.8	137.7	185.2	285.7	481.6	761.2	1030.4	1181.5
105°	104.0	108.6	117.8	132.5	158.4	198.8	280.7	434.4	667.3	931.5	1152.5
107.5°	129.4	133.8	141.4	156.7	179.8	219.0	289.2	414.5	602.7	830.7	1048.6
110°	146.4	150.0	158.4	172.1	196.1	233.8	297.3	408.7	572.5	773.2	972.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	163.3	166.2	174.5	188.3	211.5	247.8	307.6	408.7	554.8	730.5	911.6
115°	187.7	190.5	198.8	212.6	235.7	269.7	323.1	411.5	535.8	683.9	835.8
117.5°	210.8	213.7	222.0	237.7	259.9	292.2	340.8	417.6	526.3	656.1	786.8
120°	225.5	229.2	237.5	253.1	276.2	308.4	352.5	423.4	521.9	640.6	760.3
122.5°	240.3	243.2	251.4	268.6	291.6	323.8	365.8	428.6	518.2	627.4	740.5
125°	259.6	264.2	272.4	289.9	313.9	344.3	383.8	437.2	513.7	609.3	711.5
127.5°	275.8	281.7	292.2	310.8	334.7	363.9	400.4	446.9	511.4	592.8	682.1
130°	285.3	292.7	304.7	324.0	347.9	376.4	411.5	452.9	509.9	581.8	663.7
132.5°	293.4	302.3	315.8	335.8	359.7	388.2	421.0	459.5	509.9	572.9	645.2
135°	305.6	316.6	331.4	350.7	375.6	404.1	434.4	468.5	509.9	562.4	621.3
137.5°	319.8	330.1	344.8	363.8	389.4	415.3	444.4	476.8	511.0	553.0	601.1
140°	328.6	339.7	354.4	371.9	396.7	423.4	451.1	480.5	511.7	548.6	590.0
142.5°	338.2	348.5	363.2	380.0	403.4	428.6	454.7	482.7	512.5	544.9	580.4
145°	353.5	362.7	375.6	392.1	413.3	437.2	460.3	485.1	511.7	539.4	567.9
147.5°	368.9	376.8	388.8	403.1	421.8	442.8	463.6	486.0	509.4	533.7	556.2
150°	379.2	385.7	397.7	410.5	426.2	446.4	465.8	486.0	507.2	529.3	549.5
152.5°	388.8	394.5	405.0	417.2	431.3	450.1	467.2	485.3	504.2	524.1	542.2
155°	401.3	406.9	416.1	425.2	438.2	453.8	468.5	483.2	498.9	515.5	531.1
157.5°	413.3	417.7	425.6	433.7	443.5	456.9	469.4	480.9	493.4	507.4	520.1
160°	420.6	424.4	430.8	438.2	446.4	458.4	469.4	478.6	489.7	500.7	512.7
162.5°	427.3	430.9	436.7	442.6	449.4	459.9	468.7	476.4	485.3	494.9	504.6
165°	436.3	439.1	443.7	447.3	452.9	460.3	467.6	473.1	478.6	486.0	493.4
167.5°	443.9	445.5	448.1	450.7	454.2	460.3	465.4	467.9	472.2	477.4	482.7
170°	448.3	449.2	451.1	452.9	455.7	460.3	463.9	465.8	468.5	472.2	476.8
172.5°	450.5	451.4	453.2	454.3	455.7	459.5	462.5	462.8	464.1	467.1	470.2
175°	453.8	454.7	455.7	455.7	455.7	458.4	460.3	459.3	459.3	460.3	463.0
177.5°	455.8	455.8	456.5	455.8	455.8	457.3	458.0	456.5	456.5	457.3	458.0
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5	1302.5
2.5°	1359.4	1359.4	1366.7	1366.2	1371.0	1369.2	1370.1
5°	1461.3	1470.4	1478.4	1483.8	1491.8	1493.9	1492.8
7.5°	1566.9	1587.1	1597.0	1610.4	1612.9	1619.9	1619.2
10°	1632.4	1652.2	1667.1	1678.9	1684.7	1692.3	1692.8
12.5°	1683.7	1700.5	1713.7	1724.7	1731.8	1734.2	1735.6
15°	1723.8	1742.5	1758.0	1773.5	1782.6	1789.5	1793.3
17.5°	1764.2	1793.1	1820.4	1841.5	1854.2	1864.9	1864.7
20°	1795.5	1828.6	1862.8	1886.9	1911.5	1922.2	1923.7
22.5°	1828.8	1879.5	1923.6	1960.9	1993.1	2004.3	2008.5
25°	1898.1	1964.4	2032.3	2084.7	2122.1	2144.0	2147.3
27.5°	1981.8	2071.6	2143.0	2191.3	2222.5	2238.7	2242.2
30°	2040.9	2123.8	2187.9	2224.3	2238.7	2240.8	2232.8
32.5°	2067.4	2129.3	2155.0	2152.8	2124.5	2105.7	2098.5
35°	2035.0	2022.1	1959.6	1884.8	1827.6	1791.2	1781.5
37.5°	1851.9	1741.2	1626.2	1513.1	1452.9	1422.2	1369.6
40°	1671.4	1513.7	1393.9	1298.7	1230.8	1176.3	1163.5
42.5°	1467.8	1305.0	1185.2	1103.7	1049.5	1012.0	995.8
45°	1179.5	1039.4	940.5	878.0	836.2	809.0	796.7
47.5°	943.4	835.0	762.9	716.6	684.8	661.1	654.4
50°	813.8	727.1	666.2	627.2	603.1	584.9	577.4
52.5°	706.9	636.9	590.1	557.9	535.1	523.8	517.5
55°	583.4	522.9	489.3	463.6	450.8	441.6	437.4
57.5°	477.1	433.4	408.8	391.1	379.2	373.4	371.3
60°	417.6	383.3	360.9	347.0	339.0	331.5	329.4
62.5°	365.0	338.0	320.7	308.5	300.5	297.3	296.0
65°	294.1	276.4	263.6	256.1	249.7	248.6	248.1
67.5°	233.8	223.4	216.7	208.8	206.6	202.9	202.1
70°	199.9	193.1	185.0	182.4	179.7	175.9	176.4
72.5°	169.6	162.6	157.2	153.7	152.7	151.1	152.5
75°	124.1	121.9	119.8	117.1	116.1	116.1	115.5
77.5°	88.6	86.7	84.4	82.8	82.5	80.2	81.0
80°	64.2	61.5	60.4	60.9	59.3	58.8	58.8
82.5°	47.5	46.5	45.5	45.6	45.2	44.7	45.2
85°	26.2	25.7	25.7	25.1	25.1	24.6	24.6
87.5°	12.9	13.5	13.1	12.6	12.6	13.2	13.6
90°	17.5	18.4	20.3	20.3	20.3	21.2	21.2
92.5°	118.4	89.1	75.5	63.7	61.5	60.2	58.7
95°	521.9	408.7	331.4	266.0	238.4	231.1	216.3
97.5°	887.6	777.3	669.7	612.8	561.3	534.6	522.8
100°	1087.1	992.3	896.5	833.1	766.8	732.7	718.0
102.5°	1209.3	1163.9	1099.1	1031.1	984.0	947.0	936.0
105°	1278.6	1319.1	1308.9	1279.5	1249.1	1230.7	1219.6
107.5°	1216.9	1320.9	1369.0	1383.9	1383.7	1377.6	1370.2
110°	1146.9	1276.7	1354.9	1396.4	1413.9	1420.3	1420.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1077.7	1208.9	1301.2	1361.8	1391.8	1407.8	1414.4
115°	978.5	1104.5	1204.9	1276.7	1320.9	1346.6	1358.6
117.5°	909.8	1018.4	1110.5	1182.3	1228.0	1253.5	1260.8
120°	870.8	972.0	1053.0	1121.2	1165.3	1190.2	1197.5
122.5°	842.8	933.0	1008.8	1069.6	1110.1	1135.0	1141.6
125°	805.4	885.5	951.8	1003.3	1041.1	1061.3	1070.6
127.5°	769.7	844.5	906.5	953.2	986.6	1005.8	1009.8
130°	744.7	816.5	876.3	922.3	952.7	971.1	976.6
132.5°	721.1	786.2	843.9	889.9	920.3	937.2	943.5
135°	684.8	743.8	796.2	836.7	867.1	883.7	889.2
137.5°	652.4	701.4	746.0	782.2	809.8	825.1	831.2
140°	633.3	675.7	714.3	748.4	772.3	786.1	790.7
142.5°	617.1	653.6	687.1	716.0	736.2	749.2	753.1
145°	596.4	625.0	649.8	671.9	687.6	697.8	701.4
147.5°	579.3	601.3	620.0	637.5	650.1	655.9	657.6
150°	569.8	587.2	603.8	617.7	628.7	632.4	633.3
152.5°	560.2	576.2	589.1	600.7	609.5	613.2	614.2
155°	545.8	558.7	568.9	578.1	584.5	587.2	588.2
157.5°	532.2	542.2	550.1	557.2	562.6	565.1	565.0
160°	521.9	531.1	537.6	544.0	548.6	550.5	549.5
162.5°	513.1	520.8	526.5	531.5	535.4	535.8	535.5
165°	499.8	505.3	509.9	513.7	515.5	515.5	515.5
167.5°	487.0	491.2	494.5	496.3	498.0	497.3	497.1
170°	479.6	482.4	484.2	486.0	487.0	487.0	486.0
172.5°	472.9	475.0	476.1	476.4	478.1	476.7	475.7
175°	463.0	464.9	464.9	464.9	465.8	463.9	463.0
177.5°	458.8	458.8	458.8	458.0	458.8	456.5	456.5
180°	456.5	456.5	456.5	456.5	456.5	456.5	456.5

(END OF REPORT)