

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: P333617-940

Luminaire Tested: **S125RDIP-S1270D590U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333617-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1270D590U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6212.4 lumens
Efficiency: N/A
Efficacy: 112.7 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: Semi-Direct

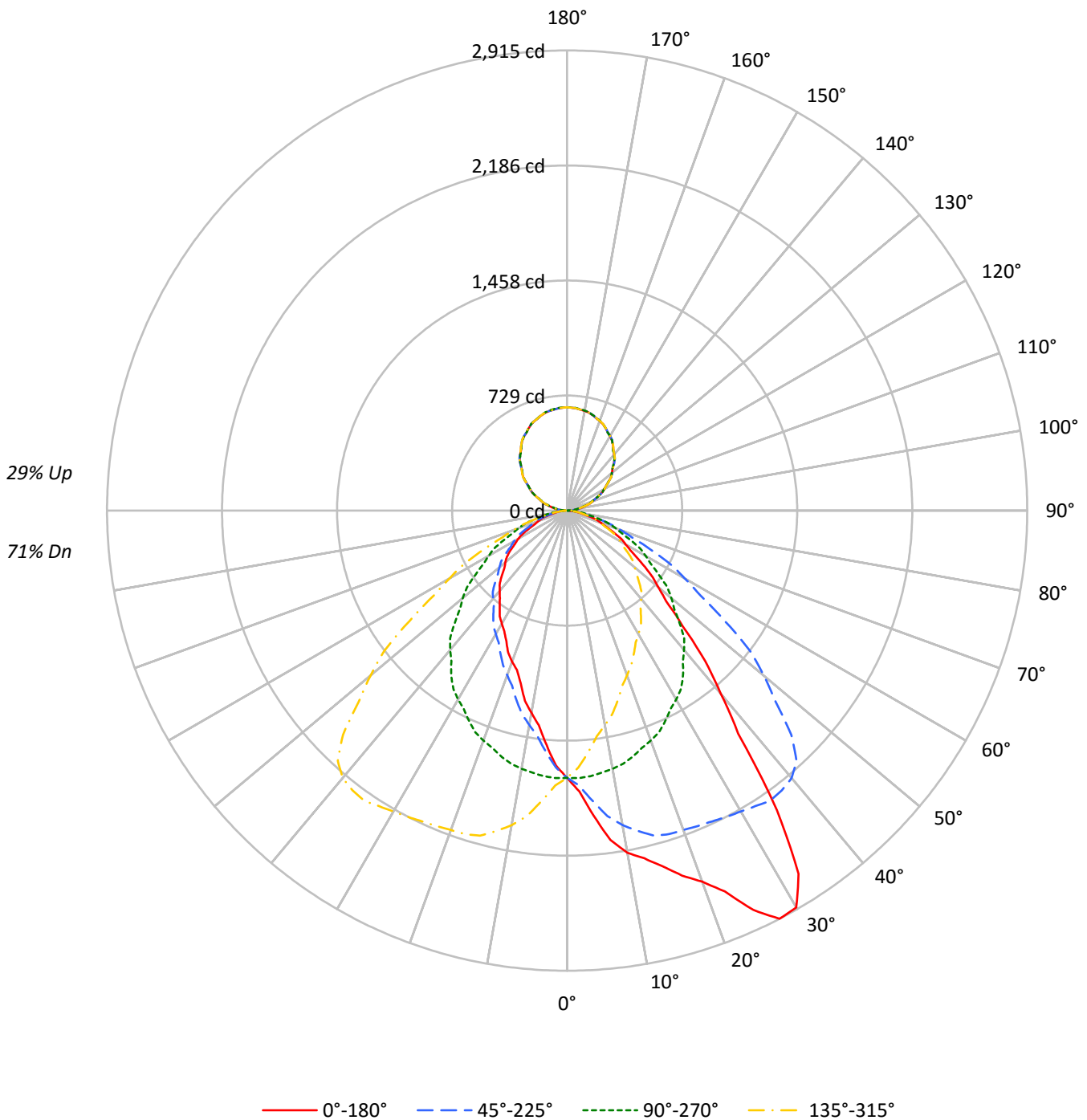
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71
1	103	99	95	92	97	94	90	87	84	82	79	75	74	72	67	66	65	61
2	94	87	81	76	89	83	77	73	74	70	67	67	64	61	60	58	55	52
3	86	77	70	64	82	73	67	61	66	61	57	60	56	52	54	50	48	44
4	79	68	61	55	75	65	58	53	59	53	49	53	49	45	48	45	41	39
5	73	61	53	47	69	59	51	46	53	47	42	48	43	39	44	40	36	34
6	67	55	47	41	64	53	45	40	48	42	37	44	39	35	40	35	32	30
7	63	50	42	36	59	48	41	35	44	38	33	40	35	31	36	32	29	26
8	58	46	38	32	55	44	36	31	40	34	30	37	31	28	33	29	26	24
9	54	42	34	29	51	40	33	28	37	31	27	34	29	25	31	27	23	21
10	51	38	31	26	48	37	30	26	34	28	24	31	26	23	29	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10936	10936	10936	10936
5°	12582	10950	9671	10950
10°	14432	10895	8533	10895
15°	15588	10783	7585	10783
20°	17189	10654	7003	10654
25°	19892	10481	6499	10481
30°	21647	10300	6169	10300
35°	18260	10089	5864	10089
40°	12752	9711	5602	9711
45°	9460	9199	5345	9199
50°	7543	8667	5126	8667
55°	6402	8007	4931	8007
60°	5531	7417	4615	7417
65°	4928	6776	3972	6776
70°	4330	6209	3622	6209
75°	3748	5375	3401	5375
80°	2841	4523	2841	4523
85°	2371	3557	2675	3557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	2.6
10°-20°	475.9	7.7
20°-30°	754.5	12.1
30°-40°	909.8	14.6
40°-50°	812.5	13.1
50°-60°	623.1	10.0
60°-70°	404.9	6.5
70°-80°	196.9	3.2
80°-90°	48.4	0.8
90°-100°	43.8	0.7
100°-110°	129.3	2.1
110°-120°	219.0	3.5
120°-130°	288.2	4.6
130°-140°	322.9	5.2
140°-150°	316.5	5.1
150°-160°	265.8	4.3
160°-170°	176.7	2.8
170°-180°	61.8	1.0
0°-30°	1392.7	22.4
0°-40°	2302.6	37.1
0°-60°	3738.2	60.2
0°-90°	4388.4	70.6
90°-120°	392.0	6.3
90°-150°	1319.7	21.2
90°-180°	1824.0	29.4
0°-180°	6212.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1693	1693	1693	1693	1693	
5°	1941	1689	1492	1689	1941	194
15°	2331	1613	1134	1613	2331	668
25°	2792	1471	912	1471	2792	1282
35°	2316	1280	744	1280	2316	1399
45°	1036	1007	585	1007	1036	826
55°	569	711	438	711	569	516
65°	322	443	260	443	322	321
75°	150	215	136	215	150	160
85°	32	48	36	48	32	37
90°	12	0	12	0	12	9
95°	44	33	44	33	44	45
105°	126	116	126	116	126	134
115°	221	219	221	219	221	219
125°	322	320	322	320	322	287
135°	418	416	418	416	418	322
145°	506	504	506	504	506	316
155°	577	577	577	577	577	265
165°	626	627	626	627	626	176
175°	650	652	650	652	650	62
180°	654	654	654	654	654	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1781.1	1780.0	1782.3	1776.1	1776.6	1767.2	1767.2	1760.0	1750.5	1743.3	1740.0
5°	1940.7	1942.1	1939.3	1928.9	1922.0	1911.6	1899.7	1878.8	1861.4	1844.8	1831.6
7.5°	2105.1	2106.0	2096.9	2093.6	2076.1	2063.3	2037.0	2008.7	1983.5	1951.6	1927.1
10°	2200.7	2200.0	2190.2	2182.6	2167.3	2147.9	2122.2	2088.7	2057.5	2022.8	1989.4
12.5°	2256.3	2254.5	2251.4	2242.1	2227.9	2210.7	2188.9	2156.1	2117.5	2079.5	2040.5
15°	2331.4	2326.5	2317.5	2305.6	2285.5	2265.3	2241.0	2211.8	2175.0	2131.9	2095.7
17.5°	2424.2	2424.4	2410.5	2394.1	2366.7	2331.1	2293.6	2246.4	2196.4	2148.9	2110.5
20°	2501.0	2498.8	2485.0	2453.0	2421.7	2377.2	2334.1	2276.4	2215.3	2153.4	2105.4
22.5°	2611.1	2605.7	2591.2	2549.2	2500.7	2443.4	2377.5	2307.0	2233.1	2162.8	2099.9
25°	2791.5	2787.3	2758.9	2710.2	2642.0	2553.8	2467.6	2371.0	2264.7	2172.2	2095.7
27.5°	2915.0	2910.4	2889.2	2848.8	2786.0	2693.1	2576.4	2447.3	2314.5	2187.4	2077.1
30°	2902.7	2913.1	2910.4	2891.6	2844.4	2760.9	2653.2	2507.9	2350.1	2200.7	2069.3
32.5°	2728.1	2737.5	2761.9	2798.7	2801.5	2768.1	2687.7	2553.5	2390.1	2220.2	2063.2
35°	2316.0	2328.6	2375.9	2450.2	2547.5	2628.9	2645.5	2573.3	2426.6	2243.8	2054.1
37.5°	1780.6	1849.0	1888.7	1967.0	2114.1	2263.7	2407.5	2460.5	2398.1	2234.1	2039.2
40°	1512.5	1529.2	1600.1	1688.4	1812.1	1967.8	2172.9	2320.9	2325.8	2211.8	2015.8
42.5°	1294.6	1315.7	1364.3	1434.9	1540.8	1696.5	1908.2	2103.5	2194.1	2150.6	1985.2
45°	1035.7	1051.7	1087.2	1141.4	1222.7	1351.3	1533.4	1759.3	1938.7	2008.8	1903.2
47.5°	850.8	859.4	890.3	931.6	991.8	1085.5	1226.5	1422.5	1637.6	1788.5	1773.6
50°	750.7	760.5	784.1	815.4	866.1	945.3	1057.9	1221.3	1443.1	1627.2	1664.1
52.5°	672.9	680.9	695.6	725.2	767.1	828.0	918.9	1066.7	1266.2	1462.0	1547.3
55°	568.6	574.2	585.9	602.6	636.1	679.8	758.3	860.5	1021.8	1219.2	1344.3
57.5°	482.7	485.4	492.9	508.4	531.5	563.5	620.2	706.8	822.4	1000.2	1138.3
60°	428.2	431.0	440.7	451.1	469.2	498.4	542.9	603.3	714.5	861.2	1000.9
62.5°	384.8	386.5	390.7	401.1	417.0	439.4	474.5	523.8	612.2	741.1	873.1
65°	322.5	323.2	324.6	333.0	342.7	359.4	382.3	417.1	483.8	581.1	697.9
67.5°	262.8	263.7	268.6	271.5	281.7	290.4	303.9	330.5	377.5	443.1	533.9
70°	229.3	228.7	233.5	237.0	240.5	250.9	259.9	281.5	310.7	360.8	436.5
72.5°	198.2	196.4	198.5	199.7	204.4	211.4	220.5	233.7	256.2	290.7	348.7
75°	150.2	150.9	150.9	152.2	155.7	158.5	161.2	168.2	180.7	203.7	235.0
77.5°	105.4	104.2	107.2	107.6	109.7	112.7	115.1	117.9	123.1	132.5	148.6
80°	76.4	76.4	77.1	79.3	78.6	79.9	83.4	86.2	92.5	98.0	103.5
82.5°	58.7	58.1	58.8	59.2	59.1	60.5	61.7	62.2	64.6	67.4	71.3
85°	32.0	32.0	32.6	32.6	33.3	33.3	34.1	34.1	34.1	34.8	35.5
87.5°	14.7	14.1	13.5	13.4	13.8	14.9	14.2	13.6	13.4	13.3	13.7
90°	12.2	11.9	11.5	11.2	10.9	10.4	9.8	9.3	8.7	8.1	7.3
92.5°	24.0	23.7	23.5	23.3	23.0	22.6	21.8	21.0	20.2	19.5	18.5
95°	43.8	43.5	43.3	43.1	42.8	42.4	41.6	40.8	39.9	39.1	38.1
97.5°	66.3	66.2	66.1	65.9	65.8	65.4	64.6	63.8	63.1	62.3	60.8
100°	83.5	83.2	83.0	82.8	82.5	81.9	80.9	79.9	78.8	77.8	76.3
102.5°	100.5	100.2	99.9	99.6	99.2	98.5	97.5	96.3	95.2	94.1	93.4
105°	126.2	125.8	125.5	125.1	124.8	124.3	123.6	123.0	122.3	121.5	120.9
107.5°	152.4	152.4	152.5	152.5	152.5	152.3	152.0	151.7	151.3	151.0	150.4
110°	171.9	172.0	172.2	172.3	172.4	172.3	171.9	171.6	171.3	170.9	170.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	191.1	191.3	191.5	191.7	191.9	191.9	191.7	191.6	191.5	191.3	190.8
115°	221.3	221.4	221.5	221.6	221.8	221.9	221.9	222.0	222.2	222.3	222.0
117.5°	250.7	251.3	251.7	252.2	252.6	252.8	252.7	252.6	252.5	252.4	252.2
120°	271.2	271.6	272.1	272.5	273.0	273.1	273.1	273.1	273.1	273.1	273.0
122.5°	291.5	291.9	292.2	292.6	292.9	293.2	293.3	293.4	293.5	293.6	293.2
125°	322.0	322.1	322.3	322.4	322.4	322.6	322.9	323.1	323.3	323.5	323.4
127.5°	351.3	351.5	351.8	352.0	352.2	352.4	352.5	352.6	352.8	352.8	352.7
130°	370.9	371.0	371.3	371.5	371.8	371.9	372.0	372.1	372.3	372.4	372.1
132.5°	389.1	389.5	389.8	390.1	390.4	390.7	390.7	390.8	391.0	391.1	391.1
135°	417.7	418.1	418.6	419.0	419.5	419.6	419.6	419.6	419.6	419.6	419.5
137.5°	445.5	446.1	446.7	447.2	447.8	448.0	447.8	447.7	447.5	447.5	447.2
140°	463.4	464.0	464.6	465.1	465.7	465.8	465.7	465.4	465.2	464.9	464.6
142.5°	480.5	481.1	481.6	482.2	482.8	483.0	482.9	482.7	482.6	482.4	482.1
145°	506.1	506.5	506.8	507.2	507.5	507.7	507.7	507.7	507.7	507.7	507.4
147.5°	528.1	528.8	529.6	530.3	531.1	531.4	531.1	530.8	530.6	530.3	530.0
150°	544.3	544.6	544.7	545.0	545.2	545.3	545.3	545.3	545.3	545.3	544.8
152.5°	557.8	558.1	558.6	558.9	559.4	559.5	559.2	558.9	558.7	558.4	558.1
155°	576.8	577.4	578.0	578.5	579.2	579.2	578.7	578.3	577.8	577.4	577.3
157.5°	592.8	593.6	594.3	595.0	595.8	595.9	595.5	595.0	594.6	594.1	594.1
160°	603.9	604.4	604.9	605.6	606.1	606.1	605.6	605.2	604.8	604.3	604.2
162.5°	613.1	613.9	614.5	615.2	615.8	615.9	615.3	614.7	614.2	613.7	613.7
165°	625.7	626.3	627.1	627.8	628.4	628.6	628.0	627.6	627.1	626.7	626.6
167.5°	635.7	636.3	637.0	637.8	638.5	638.5	637.8	637.1	636.4	635.8	635.8
170°	641.0	641.8	642.6	643.4	644.1	644.2	643.5	642.8	642.1	641.5	641.5
172.5°	645.4	646.1	646.8	647.6	648.3	648.3	647.6	646.9	646.2	645.5	645.5
175°	649.6	650.4	651.2	652.0	652.7	652.8	652.1	651.5	650.8	650.1	650.1
177.5°	652.0	652.6	653.4	654.0	654.6	654.6	654.1	653.5	653.0	652.5	652.6
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1740.0	1736.1	1728.8	1722.2	1713.9	1706.6	1701.6	1695.5	1687.7	1678.3	1670.4
5°	1816.9	1801.7	1781.5	1764.2	1742.0	1724.6	1706.5	1689.1	1671.7	1649.5	1630.0
7.5°	1902.4	1870.8	1840.0	1801.4	1766.4	1735.1	1705.0	1674.6	1644.8	1613.3	1582.9
10°	1954.6	1916.4	1874.0	1825.3	1780.8	1738.5	1699.5	1661.3	1621.0	1585.6	1547.3
12.5°	2003.6	1954.2	1905.7	1844.2	1790.8	1739.0	1689.5	1641.8	1598.7	1552.7	1511.7
15°	2047.7	1999.1	1944.9	1869.8	1795.5	1732.9	1674.5	1612.7	1559.1	1507.7	1461.8
17.5°	2064.8	2013.8	1950.9	1878.7	1797.4	1718.7	1643.5	1575.7	1512.7	1452.8	1401.1
20°	2058.2	2008.8	1944.2	1875.4	1788.5	1706.5	1625.1	1550.1	1479.9	1416.6	1361.7
22.5°	2042.1	1991.0	1928.6	1855.9	1773.4	1686.5	1599.6	1519.5	1445.9	1380.5	1320.5
25°	2017.9	1948.4	1884.5	1813.5	1735.0	1648.8	1559.1	1470.8	1392.3	1325.5	1260.3
27.5°	1992.7	1905.9	1824.6	1754.2	1671.2	1594.3	1507.8	1417.3	1334.7	1266.8	1199.7
30°	1969.9	1872.6	1782.9	1703.0	1624.4	1551.5	1469.5	1381.2	1296.4	1226.2	1158.1
32.5°	1941.5	1838.1	1739.5	1647.3	1571.6	1499.2	1425.0	1340.6	1258.0	1185.5	1116.3
35°	1905.9	1773.9	1666.9	1568.9	1484.7	1414.5	1347.8	1279.7	1196.9	1121.9	1054.4
37.5°	1859.2	1709.4	1585.6	1478.7	1390.1	1319.6	1266.9	1204.6	1129.1	1057.2	994.7
40°	1830.9	1662.7	1527.1	1421.5	1328.3	1253.9	1204.6	1151.8	1083.0	1015.6	953.0
42.5°	1793.1	1619.9	1468.2	1358.1	1264.4	1192.8	1142.9	1096.7	1039.0	975.5	908.5
45°	1719.0	1536.9	1377.7	1259.5	1165.0	1094.8	1048.2	1007.2	963.4	905.0	846.6
47.5°	1622.5	1450.3	1283.7	1154.7	1062.1	996.9	951.7	919.4	888.1	838.4	781.7
50°	1545.2	1379.1	1216.4	1091.3	992.6	930.8	888.3	862.6	834.1	788.9	741.6
52.5°	1454.0	1305.6	1146.4	1018.4	925.3	867.4	826.6	800.9	777.4	740.6	695.5
55°	1310.3	1180.3	1034.3	918.2	832.8	774.4	735.4	711.1	697.2	665.9	630.4
57.5°	1144.4	1051.2	922.6	810.7	735.0	677.3	648.8	628.1	612.4	590.3	565.3
60°	1028.8	963.4	848.0	741.6	672.2	617.2	591.6	574.2	559.5	540.8	521.3
62.5°	911.4	863.9	763.5	672.2	608.2	562.2	538.1	522.5	505.6	492.9	474.0
65°	754.2	711.8	642.3	570.7	511.6	474.7	457.4	443.4	433.0	419.1	405.9
67.5°	586.7	569.4	521.5	472.1	429.7	396.9	381.9	372.2	359.6	351.3	342.2
70°	483.8	475.5	441.4	408.8	369.1	346.9	333.0	328.8	313.5	305.1	298.9
72.5°	392.6	388.7	369.1	346.4	318.5	299.0	286.2	281.5	271.8	265.1	261.1
75°	269.0	270.4	266.9	252.4	241.9	229.3	218.3	215.4	208.6	203.0	199.5
77.5°	170.1	177.3	177.5	176.8	172.6	165.1	160.4	158.4	151.5	149.5	148.6
80°	116.8	124.4	131.3	130.6	129.3	127.2	123.8	121.6	118.2	116.1	114.7
82.5°	77.8	85.0	90.8	94.5	94.3	92.2	89.8	88.8	88.1	86.6	86.3
85°	36.8	38.3	40.3	45.2	48.7	49.3	48.7	48.0	45.8	46.5	47.3
87.5°	14.1	13.9	14.4	14.2	13.5	16.1	17.5	17.9	16.9	16.1	15.1
90°	6.6	5.8	5.0	4.1	3.2	2.3	1.4	0.5	1.4	2.3	3.2
92.5°	17.6	16.6	15.6	14.8	14.2	13.6	12.9	12.3	12.9	13.6	14.2
95°	36.9	35.8	34.7	34.0	33.7	33.5	33.3	33.1	33.3	33.5	33.7
97.5°	59.2	57.7	56.1	55.3	55.2	55.1	55.0	54.9	55.0	55.1	55.2
100°	74.9	73.4	72.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
102.5°	92.6	91.8	91.1	90.5	90.1	89.6	89.2	88.7	89.2	89.6	90.1
105°	120.2	119.6	118.9	118.2	117.7	117.1	116.5	116.0	116.5	117.1	117.7
107.5°	149.9	149.5	148.9	148.4	147.8	147.2	146.7	146.1	146.7	147.2	147.8
110°	170.2	169.9	169.6	169.2	168.5	168.0	167.4	166.8	167.4	168.0	168.5



TEST NUMBER: P333617-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	190.4	190.0	189.6	189.2	188.9	188.6	188.3	188.0	188.3	188.6	188.9
115°	221.9	221.6	221.4	221.1	220.6	220.2	219.7	219.3	219.7	220.2	220.6
117.5°	252.0	251.8	251.6	251.4	251.2	251.0	250.7	250.6	250.7	251.0	251.2
120°	273.0	272.9	272.7	272.4	271.8	271.3	270.7	270.1	270.7	271.3	271.8
122.5°	292.9	292.7	292.3	292.1	291.9	291.7	291.5	291.3	291.5	291.7	291.9
125°	323.3	323.2	323.1	322.7	322.0	321.3	320.7	319.9	320.7	321.3	322.0
127.5°	352.6	352.4	352.3	352.0	351.6	351.2	350.9	350.5	350.9	351.2	351.6
130°	371.9	371.7	371.5	371.0	370.5	370.0	369.3	368.8	369.3	370.0	370.5
132.5°	391.2	391.2	391.3	390.8	389.9	389.0	388.1	387.1	388.1	389.0	389.9
135°	419.5	419.4	419.2	418.8	418.1	417.5	416.8	416.1	416.8	417.5	418.1
137.5°	446.9	446.7	446.5	446.0	445.3	444.7	444.1	443.4	444.1	444.7	445.3
140°	464.3	464.0	463.6	463.2	462.5	462.0	461.5	460.8	461.5	462.0	462.5
142.5°	481.6	481.2	480.7	480.3	479.8	479.3	478.8	478.4	478.8	479.3	479.8
145°	507.0	506.7	506.3	506.0	505.5	505.1	504.5	504.1	504.5	505.1	505.5
147.5°	529.8	529.4	529.1	529.0	528.7	528.4	528.2	527.9	528.2	528.4	528.7
150°	544.4	543.9	543.5	543.3	543.5	543.6	543.7	543.8	543.7	543.6	543.5
152.5°	557.9	557.8	557.6	557.4	557.3	557.1	557.0	556.8	557.0	557.1	557.3
155°	577.1	577.0	576.9	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8
157.5°	594.0	593.8	593.7	593.8	594.1	594.2	594.5	594.8	594.5	594.2	594.1
160°	604.1	604.0	603.9	604.0	604.3	604.7	605.0	605.4	605.0	604.7	604.3
162.5°	613.7	613.6	613.6	613.7	613.9	614.2	614.5	614.7	614.5	614.2	613.9
165°	626.5	626.3	626.2	626.3	626.5	626.8	627.0	627.2	627.0	626.8	626.5
167.5°	635.8	635.8	635.8	636.0	636.4	636.9	637.4	637.8	637.4	636.9	636.4
170°	641.5	641.5	641.5	641.7	642.1	642.6	643.0	643.5	643.0	642.6	642.1
172.5°	645.5	645.5	645.5	645.8	646.2	646.7	647.1	647.6	647.1	646.7	646.2
175°	650.1	650.1	650.1	650.3	650.8	651.2	651.7	652.1	651.7	651.2	650.8
177.5°	652.6	652.7	652.8	653.0	653.4	653.8	654.2	654.5	654.2	653.8	653.4
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333617-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1664.9	1657.2	1651.5	1640.4	1632.6	1629.3	1623.2	1621.5	1627.6	1623.2	1622.6
5°	1615.4	1595.3	1579.3	1563.3	1545.9	1534.8	1518.1	1515.3	1511.2	1504.9	1503.5
7.5°	1556.0	1529.8	1509.2	1482.8	1459.8	1441.4	1420.5	1410.6	1405.2	1397.1	1386.3
10°	1516.0	1484.7	1457.0	1430.5	1402.0	1379.1	1358.3	1342.2	1331.8	1322.1	1317.9
12.5°	1476.5	1444.7	1409.1	1377.2	1345.3	1319.6	1296.5	1286.1	1274.5	1263.1	1253.4
15°	1415.2	1372.8	1333.9	1297.1	1270.0	1242.2	1219.9	1204.6	1187.2	1182.4	1163.6
17.5°	1350.1	1308.6	1263.0	1224.2	1192.8	1162.2	1137.7	1120.3	1107.3	1089.4	1080.8
20°	1309.6	1260.3	1215.8	1180.3	1145.5	1109.4	1084.3	1069.8	1057.2	1042.7	1035.7
22.5°	1266.2	1218.0	1172.3	1130.8	1095.5	1059.9	1042.1	1027.0	1012.7	999.3	990.1
25°	1202.6	1153.9	1105.9	1062.8	1026.0	1000.2	979.4	962.0	954.4	941.2	931.4
27.5°	1139.5	1087.8	1038.0	995.1	966.2	940.8	923.6	909.9	896.1	884.6	876.1
30°	1098.9	1046.2	991.9	957.9	927.3	902.9	884.1	870.9	860.5	850.1	843.8
32.5°	1058.4	1003.9	955.7	918.9	890.0	869.0	849.7	837.0	826.1	814.5	807.2
35°	993.3	937.7	898.8	862.6	834.1	814.7	801.5	783.4	774.4	766.0	758.3
37.5°	932.8	881.1	839.0	807.3	782.6	763.2	746.1	736.4	725.2	717.7	711.4
40°	888.3	841.1	802.8	769.5	751.4	729.9	713.9	701.3	693.0	683.3	676.4
42.5°	848.3	804.4	767.2	737.3	714.7	696.5	681.1	668.5	658.0	651.0	645.2
45°	791.8	748.0	711.8	683.9	663.2	645.8	629.7	623.5	609.6	601.3	598.5
47.5°	733.2	694.0	659.1	633.5	612.1	595.7	580.7	567.9	560.3	552.1	547.6
50°	693.8	656.2	623.5	598.5	577.7	559.5	545.6	537.3	526.9	519.2	513.7
52.5°	654.2	619.5	586.8	562.8	544.8	526.7	511.2	502.8	492.9	488.1	484.2
55°	597.8	561.0	533.2	509.5	490.7	474.0	459.5	451.1	444.9	440.0	438.6
57.5°	533.9	504.6	478.8	457.5	438.0	422.3	409.6	401.6	396.1	395.4	391.2
60°	492.1	465.7	442.1	419.1	402.4	387.9	376.7	367.7	362.1	361.4	360.1
62.5°	450.4	425.1	403.1	383.0	368.0	353.9	343.4	333.2	329.9	326.5	323.3
65°	388.5	365.6	347.6	331.5	315.6	303.7	293.4	287.0	279.5	275.3	267.6
67.5°	327.8	310.0	292.7	279.2	266.6	255.4	246.7	237.5	232.3	229.0	223.4
70°	287.8	273.8	256.5	241.9	232.2	223.1	216.2	205.7	202.2	199.5	196.7
72.5°	249.9	237.7	223.1	211.3	201.6	193.1	185.0	180.1	176.7	173.9	172.3
75°	196.7	184.9	172.4	164.1	157.1	150.2	146.0	142.5	141.1	140.4	137.6
77.5°	144.5	138.2	128.1	121.5	116.9	114.1	110.4	108.6	108.4	105.4	104.4
80°	110.5	107.0	98.7	95.9	92.5	89.7	87.6	84.1	80.6	79.3	77.1
82.5°	82.1	78.6	75.3	70.9	67.9	66.3	64.2	63.0	63.4	61.4	60.5
85°	43.8	40.3	39.0	38.3	36.8	38.3	37.5	36.8	36.1	35.5	36.1
87.5°	14.7	14.9	14.5	15.8	14.3	15.0	15.1	14.6	14.7	14.9	14.4
90°	4.1	5.0	5.8	6.6	7.3	8.1	8.7	9.3	9.8	10.4	10.9
92.5°	14.8	15.6	16.6	17.6	18.5	19.5	20.2	21.0	21.8	22.6	23.0
95°	34.0	34.7	35.8	36.9	38.1	39.1	39.9	40.8	41.6	42.4	42.8
97.5°	55.3	56.1	57.7	59.2	60.8	62.3	63.1	63.8	64.6	65.4	65.8
100°	71.2	72.0	73.4	74.9	76.3	77.8	78.8	79.9	80.9	81.9	82.5
102.5°	90.5	91.1	91.8	92.6	93.4	94.1	95.2	96.3	97.5	98.5	99.2
105°	118.2	118.9	119.6	120.2	120.9	121.5	122.3	123.0	123.6	124.3	124.8
107.5°	148.4	148.9	149.5	149.9	150.4	151.0	151.3	151.7	152.0	152.3	152.5
110°	169.2	169.6	169.9	170.2	170.6	170.9	171.3	171.6	171.9	172.3	172.4



TEST NUMBER: P333617-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	189.2	189.6	190.0	190.4	190.8	191.3	191.5	191.6	191.7	191.9	191.9
115°	221.1	221.4	221.6	221.9	222.0	222.3	222.2	222.0	221.9	221.9	221.8
117.5°	251.4	251.6	251.8	252.0	252.2	252.4	252.5	252.6	252.7	252.8	252.6
120°	272.4	272.7	272.9	273.0	273.0	273.1	273.1	273.1	273.1	273.1	273.0
122.5°	292.1	292.3	292.7	292.9	293.2	293.6	293.5	293.4	293.3	293.2	292.9
125°	322.7	323.1	323.2	323.3	323.4	323.5	323.3	323.1	322.9	322.6	322.4
127.5°	352.0	352.3	352.4	352.6	352.7	352.8	352.8	352.6	352.5	352.4	352.2
130°	371.0	371.5	371.7	371.9	372.1	372.4	372.3	372.1	372.0	371.9	371.8
132.5°	390.8	391.3	391.2	391.2	391.1	391.1	391.0	390.8	390.7	390.7	390.4
135°	418.8	419.2	419.4	419.5	419.5	419.6	419.6	419.6	419.6	419.6	419.5
137.5°	446.0	446.5	446.7	446.9	447.2	447.5	447.5	447.7	447.8	448.0	447.8
140°	463.2	463.6	464.0	464.3	464.6	464.9	465.2	465.4	465.7	465.8	465.7
142.5°	480.3	480.7	481.2	481.6	482.1	482.4	482.6	482.7	482.9	483.0	482.8
145°	506.0	506.3	506.7	507.0	507.4	507.7	507.7	507.7	507.7	507.7	507.5
147.5°	529.0	529.1	529.4	529.8	530.0	530.3	530.6	530.8	531.1	531.4	531.1
150°	543.3	543.5	543.9	544.4	544.8	545.3	545.3	545.3	545.3	545.3	545.2
152.5°	557.4	557.6	557.8	557.9	558.1	558.4	558.7	558.9	559.2	559.5	559.4
155°	576.8	576.9	577.0	577.1	577.3	577.4	577.8	578.3	578.7	579.2	579.2
157.5°	593.8	593.7	593.8	594.0	594.1	594.1	594.6	595.0	595.5	595.9	595.8
160°	604.0	603.9	604.0	604.1	604.2	604.3	604.8	605.2	605.6	606.1	606.1
162.5°	613.7	613.6	613.6	613.7	613.7	613.7	614.2	614.7	615.3	615.9	615.8
165°	626.3	626.2	626.3	626.5	626.6	626.7	627.1	627.6	628.0	628.6	628.4
167.5°	636.0	635.8	635.8	635.8	635.8	635.8	636.4	637.1	637.8	638.5	638.5
170°	641.7	641.5	641.5	641.5	641.5	641.5	642.1	642.8	643.5	644.2	644.1
172.5°	645.8	645.5	645.5	645.5	645.5	645.5	646.2	646.9	647.6	648.3	648.3
175°	650.3	650.1	650.1	650.1	650.1	650.1	650.8	651.5	652.1	652.8	652.7
177.5°	653.0	652.8	652.7	652.6	652.6	652.5	653.0	653.5	654.1	654.6	654.6
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333617-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1622.1	1616.0	1614.3	1616.5	1614.3	1616.0	1622.1	1622.6	1623.2	1627.6	1621.5
5°	1496.6	1489.6	1493.1	1491.7	1493.1	1489.6	1496.6	1503.5	1504.9	1511.2	1515.3
7.5°	1386.2	1377.5	1368.3	1371.3	1368.3	1377.5	1386.2	1386.3	1397.1	1405.2	1410.6
10°	1308.9	1301.9	1297.7	1301.2	1297.7	1301.9	1308.9	1317.9	1322.1	1331.8	1342.2
12.5°	1243.8	1239.7	1236.0	1234.5	1236.0	1239.7	1243.8	1253.4	1263.1	1274.5	1286.1
15°	1155.2	1146.9	1143.4	1134.4	1143.4	1146.9	1155.2	1163.6	1182.4	1187.2	1204.6
17.5°	1073.6	1070.9	1061.8	1057.9	1061.8	1070.9	1073.6	1080.8	1089.4	1107.3	1120.3
20°	1025.3	1022.5	1013.4	1019.0	1013.4	1022.5	1025.3	1035.7	1042.7	1057.2	1069.8
22.5°	985.3	979.1	976.2	974.6	976.2	979.1	985.3	990.1	999.3	1012.7	1027.0
25°	928.6	919.6	916.1	912.0	916.1	919.6	928.6	931.4	941.2	954.4	962.0
27.5°	872.2	867.4	862.7	861.7	862.7	867.4	872.2	876.1	884.6	896.1	909.9
30°	835.5	830.6	827.2	827.2	827.2	830.6	835.5	843.8	850.1	860.5	870.9
32.5°	802.7	799.0	795.5	795.0	795.5	799.0	802.7	807.2	814.5	826.1	837.0
35°	754.9	749.3	748.0	743.8	748.0	749.3	754.9	758.3	766.0	774.4	783.4
37.5°	705.3	700.6	700.5	700.1	700.5	700.6	705.3	711.4	717.7	725.2	736.4
40°	673.5	670.0	669.4	664.5	669.4	670.0	673.5	676.4	683.3	693.0	701.3
42.5°	639.6	637.8	635.4	633.4	635.4	637.8	639.6	645.2	651.0	658.0	668.5
45°	593.6	588.7	588.7	585.2	588.7	588.7	593.6	598.5	601.3	609.6	623.5
47.5°	546.1	542.3	542.7	539.1	542.7	542.3	546.1	547.6	552.1	560.3	567.9
50°	514.3	512.3	511.6	510.2	511.6	512.3	514.3	513.7	519.2	526.9	537.3
52.5°	482.7	481.7	484.4	481.3	484.4	481.7	482.7	484.2	488.1	492.9	502.8
55°	440.0	437.9	442.1	437.9	442.1	437.9	440.0	438.6	440.0	444.9	451.1
57.5°	390.9	389.0	392.7	390.7	392.7	389.0	390.9	391.2	395.4	396.1	401.6
60°	358.6	354.5	356.6	357.3	356.6	354.5	358.6	360.1	361.4	362.1	367.7
62.5°	320.3	317.8	319.3	316.1	319.3	317.8	320.3	323.3	326.5	329.9	333.2
65°	266.3	264.1	261.4	259.9	261.4	264.1	266.3	267.6	275.3	279.5	287.0
67.5°	223.6	218.6	218.6	219.6	218.6	218.6	223.6	223.4	229.0	232.3	237.5
70°	192.5	192.5	191.8	191.8	191.8	192.5	192.5	196.7	199.5	202.2	205.7
72.5°	170.9	170.3	169.1	168.5	169.1	170.3	170.9	172.3	173.9	176.7	180.1
75°	137.6	138.3	137.0	136.3	137.0	138.3	137.6	137.6	140.4	141.1	142.5
77.5°	101.7	98.7	100.2	98.7	100.2	98.7	101.7	104.4	105.4	108.4	108.6
80°	77.1	76.4	78.6	76.4	78.6	76.4	77.1	77.1	79.3	80.6	84.1
82.5°	61.0	60.4	61.3	59.7	61.3	60.4	61.0	60.5	61.4	63.4	63.0
85°	36.8	36.1	35.5	36.1	35.5	36.1	36.8	36.1	35.5	36.1	36.8
87.5°	15.1	14.5	14.6	14.7	14.6	14.5	15.1	14.4	14.9	14.7	14.6
90°	11.2	11.5	11.9	12.2	11.9	11.5	11.2	10.9	10.4	9.8	9.3
92.5°	23.3	23.5	23.7	24.0	23.7	23.5	23.3	23.0	22.6	21.8	21.0
95°	43.1	43.3	43.5	43.8	43.5	43.3	43.1	42.8	42.4	41.6	40.8
97.5°	65.9	66.1	66.2	66.3	66.2	66.1	65.9	65.8	65.4	64.6	63.8
100°	82.8	83.0	83.2	83.5	83.2	83.0	82.8	82.5	81.9	80.9	79.9
102.5°	99.6	99.9	100.2	100.5	100.2	99.9	99.6	99.2	98.5	97.5	96.3
105°	125.1	125.5	125.8	126.2	125.8	125.5	125.1	124.8	124.3	123.6	123.0
107.5°	152.5	152.5	152.4	152.4	152.4	152.5	152.5	152.5	152.3	152.0	151.7
110°	172.3	172.2	172.0	171.9	172.0	172.2	172.3	172.4	172.3	171.9	171.6



TEST NUMBER: P333617-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	191.7	191.5	191.3	191.1	191.3	191.5	191.7	191.9	191.9	191.7	191.6
115°	221.6	221.5	221.4	221.3	221.4	221.5	221.6	221.8	221.9	221.9	222.0
117.5°	252.2	251.7	251.3	250.7	251.3	251.7	252.2	252.6	252.8	252.7	252.6
120°	272.5	272.1	271.6	271.2	271.6	272.1	272.5	273.0	273.1	273.1	273.1
122.5°	292.6	292.2	291.9	291.5	291.9	292.2	292.6	292.9	293.2	293.3	293.4
125°	322.4	322.3	322.1	322.0	322.1	322.3	322.4	322.4	322.6	322.9	323.1
127.5°	352.0	351.8	351.5	351.3	351.5	351.8	352.0	352.2	352.4	352.5	352.6
130°	371.5	371.3	371.0	370.9	371.0	371.3	371.5	371.8	371.9	372.0	372.1
132.5°	390.1	389.8	389.5	389.1	389.5	389.8	390.1	390.4	390.7	390.7	390.8
135°	419.0	418.6	418.1	417.7	418.1	418.6	419.0	419.5	419.6	419.6	419.6
137.5°	447.2	446.7	446.1	445.5	446.1	446.7	447.2	447.8	448.0	447.8	447.7
140°	465.1	464.6	464.0	463.4	464.0	464.6	465.1	465.7	465.8	465.7	465.4
142.5°	482.2	481.6	481.1	480.5	481.1	481.6	482.2	482.8	483.0	482.9	482.7
145°	507.2	506.8	506.5	506.1	506.5	506.8	507.2	507.5	507.7	507.7	507.7
147.5°	530.3	529.6	528.8	528.1	528.8	529.6	530.3	531.1	531.4	531.1	530.8
150°	545.0	544.7	544.6	544.3	544.6	544.7	545.0	545.2	545.3	545.3	545.3
152.5°	558.9	558.6	558.1	557.8	558.1	558.6	558.9	559.4	559.5	559.2	558.9
155°	578.5	578.0	577.4	576.8	577.4	578.0	578.5	579.2	579.2	578.7	578.3
157.5°	595.0	594.3	593.6	592.8	593.6	594.3	595.0	595.8	595.9	595.5	595.0
160°	605.6	604.9	604.4	603.9	604.4	604.9	605.6	606.1	606.1	605.6	605.2
162.5°	615.2	614.5	613.9	613.1	613.9	614.5	615.2	615.8	615.9	615.3	614.7
165°	627.8	627.1	626.3	625.7	626.3	627.1	627.8	628.4	628.6	628.0	627.6
167.5°	637.8	637.0	636.3	635.7	636.3	637.0	637.8	638.5	638.5	637.8	637.1
170°	643.4	642.6	641.8	641.0	641.8	642.6	643.4	644.1	644.2	643.5	642.8
172.5°	647.6	646.8	646.1	645.4	646.1	646.8	647.6	648.3	648.3	647.6	646.9
175°	652.0	651.2	650.4	649.6	650.4	651.2	652.0	652.7	652.8	652.1	651.5
177.5°	654.0	653.4	652.6	652.0	652.6	653.4	654.0	654.6	654.6	654.1	653.5
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333617-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1623.2	1629.3	1632.6	1640.4	1651.5	1657.2	1664.9	1670.4	1678.3	1687.7	1695.5
5°	1518.1	1534.8	1545.9	1563.3	1579.3	1595.3	1615.4	1630.0	1649.5	1671.7	1689.1
7.5°	1420.5	1441.4	1459.8	1482.8	1509.2	1529.8	1556.0	1582.9	1613.3	1644.8	1674.6
10°	1358.3	1379.1	1402.0	1430.5	1457.0	1484.7	1516.0	1547.3	1585.6	1621.0	1661.3
12.5°	1296.5	1319.6	1345.3	1377.2	1409.1	1444.7	1476.5	1511.7	1552.7	1598.7	1641.8
15°	1219.9	1242.2	1270.0	1297.1	1333.9	1372.8	1415.2	1461.8	1507.7	1559.1	1612.7
17.5°	1137.7	1162.2	1192.8	1224.2	1263.0	1308.6	1350.1	1401.1	1452.8	1512.7	1575.7
20°	1084.3	1109.4	1145.5	1180.3	1215.8	1260.3	1309.6	1361.7	1416.6	1479.9	1550.1
22.5°	1042.1	1059.9	1095.5	1130.8	1172.3	1218.0	1266.2	1320.5	1380.5	1445.9	1519.5
25°	979.4	1000.2	1026.0	1062.8	1105.9	1153.9	1202.6	1260.3	1325.5	1392.3	1470.8
27.5°	923.6	940.8	966.2	995.1	1038.0	1087.8	1139.5	1199.7	1266.8	1334.7	1417.3
30°	884.1	902.9	927.3	957.9	991.9	1046.2	1098.9	1158.1	1226.2	1296.4	1381.2
32.5°	849.7	869.0	890.0	918.9	955.7	1003.9	1058.4	1116.3	1185.5	1258.0	1340.6
35°	801.5	814.7	834.1	862.6	898.8	937.7	993.3	1054.4	1121.9	1196.9	1279.7
37.5°	746.1	763.2	782.6	807.3	839.0	881.1	932.8	994.7	1057.2	1129.1	1204.6
40°	713.9	729.9	751.4	769.5	802.8	841.1	888.3	953.0	1015.6	1083.0	1151.8
42.5°	681.1	696.5	714.7	737.3	767.2	804.4	848.3	908.5	975.5	1039.0	1096.7
45°	629.7	645.8	663.2	683.9	711.8	748.0	791.8	846.6	905.0	963.4	1007.2
47.5°	580.7	595.7	612.1	633.5	659.1	694.0	733.2	781.7	838.4	888.1	919.4
50°	545.6	559.5	577.7	598.5	623.5	656.2	693.8	741.6	788.9	834.1	862.6
52.5°	511.2	526.7	544.8	562.8	586.8	619.5	654.2	695.5	740.6	777.4	800.9
55°	459.5	474.0	490.7	509.5	533.2	561.0	597.8	630.4	665.9	697.2	711.1
57.5°	409.6	422.3	438.0	457.5	478.8	504.6	533.9	565.3	590.3	612.4	628.1
60°	376.7	387.9	402.4	419.1	442.1	465.7	492.1	521.3	540.8	559.5	574.2
62.5°	343.4	353.9	368.0	383.0	403.1	425.1	450.4	474.0	492.9	505.6	522.5
65°	293.4	303.7	315.6	331.5	347.6	365.6	388.5	405.9	419.1	433.0	443.4
67.5°	246.7	255.4	266.6	279.2	292.7	310.0	327.8	342.2	351.3	359.6	372.2
70°	216.2	223.1	232.2	241.9	256.5	273.8	287.8	298.9	305.1	313.5	328.8
72.5°	185.0	193.1	201.6	211.3	223.1	237.7	249.9	261.1	265.1	271.8	281.5
75°	146.0	150.2	157.1	164.1	172.4	184.9	196.7	199.5	203.0	208.6	215.4
77.5°	110.4	114.1	116.9	121.5	128.1	138.2	144.5	148.6	149.5	151.5	158.4
80°	87.6	89.7	92.5	95.9	98.7	107.0	110.5	114.7	116.1	118.2	121.6
82.5°	64.2	66.3	67.9	70.9	75.3	78.6	82.1	86.3	86.6	88.1	88.8
85°	37.5	38.3	36.8	38.3	39.0	40.3	43.8	47.3	46.5	45.8	48.0
87.5°	15.1	15.0	14.3	15.8	14.5	14.9	14.7	15.1	16.1	16.9	17.9
90°	8.7	8.1	7.3	6.6	5.8	5.0	4.1	3.2	2.3	1.4	0.5
92.5°	20.2	19.5	18.5	17.6	16.6	15.6	14.8	14.2	13.6	12.9	12.3
95°	39.9	39.1	38.1	36.9	35.8	34.7	34.0	33.7	33.5	33.3	33.1
97.5°	63.1	62.3	60.8	59.2	57.7	56.1	55.3	55.2	55.1	55.0	54.9
100°	78.8	77.8	76.3	74.9	73.4	72.0	71.2	71.2	71.2	71.2	71.2
102.5°	95.2	94.1	93.4	92.6	91.8	91.1	90.5	90.1	89.6	89.2	88.7
105°	122.3	121.5	120.9	120.2	119.6	118.9	118.2	117.7	117.1	116.5	116.0
107.5°	151.3	151.0	150.4	149.9	149.5	148.9	148.4	147.8	147.2	146.7	146.1
110°	171.3	170.9	170.6	170.2	169.9	169.6	169.2	168.5	168.0	167.4	166.8



TEST NUMBER: P333617-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	191.5	191.3	190.8	190.4	190.0	189.6	189.2	188.9	188.6	188.3	188.0
115°	222.2	222.3	222.0	221.9	221.6	221.4	221.1	220.6	220.2	219.7	219.3
117.5°	252.5	252.4	252.2	252.0	251.8	251.6	251.4	251.2	251.0	250.7	250.6
120°	273.1	273.1	273.0	273.0	272.9	272.7	272.4	271.8	271.3	270.7	270.1
122.5°	293.5	293.6	293.2	292.9	292.7	292.3	292.1	291.9	291.7	291.5	291.3
125°	323.3	323.5	323.4	323.3	323.2	323.1	322.7	322.0	321.3	320.7	319.9
127.5°	352.8	352.8	352.7	352.6	352.4	352.3	352.0	351.6	351.2	350.9	350.5
130°	372.3	372.4	372.1	371.9	371.7	371.5	371.0	370.5	370.0	369.3	368.8
132.5°	391.0	391.1	391.1	391.2	391.2	391.3	390.8	389.9	389.0	388.1	387.1
135°	419.6	419.6	419.5	419.5	419.4	419.2	418.8	418.1	417.5	416.8	416.1
137.5°	447.5	447.5	447.2	446.9	446.7	446.5	446.0	445.3	444.7	444.1	443.4
140°	465.2	464.9	464.6	464.3	464.0	463.6	463.2	462.5	462.0	461.5	460.8
142.5°	482.6	482.4	482.1	481.6	481.2	480.7	480.3	479.8	479.3	478.8	478.4
145°	507.7	507.7	507.4	507.0	506.7	506.3	506.0	505.5	505.1	504.5	504.1
147.5°	530.6	530.3	530.0	529.8	529.4	529.1	529.0	528.7	528.4	528.2	527.9
150°	545.3	545.3	544.8	544.4	543.9	543.5	543.3	543.5	543.6	543.7	543.8
152.5°	558.7	558.4	558.1	557.9	557.8	557.6	557.4	557.3	557.1	557.0	556.8
155°	577.8	577.4	577.3	577.1	577.0	576.9	576.8	576.8	576.8	576.8	576.8
157.5°	594.6	594.1	594.1	594.0	593.8	593.7	593.8	594.1	594.2	594.5	594.8
160°	604.8	604.3	604.2	604.1	604.0	603.9	604.0	604.3	604.7	605.0	605.4
162.5°	614.2	613.7	613.7	613.7	613.6	613.6	613.7	613.9	614.2	614.5	614.7
165°	627.1	626.7	626.6	626.5	626.3	626.2	626.3	626.5	626.8	627.0	627.2
167.5°	636.4	635.8	635.8	635.8	635.8	635.8	636.0	636.4	636.9	637.4	637.8
170°	642.1	641.5	641.5	641.5	641.5	641.5	641.7	642.1	642.6	643.0	643.5
172.5°	646.2	645.5	645.5	645.5	645.5	645.5	645.8	646.2	646.7	647.1	647.6
175°	650.8	650.1	650.1	650.1	650.1	650.1	650.3	650.8	651.2	651.7	652.1
177.5°	653.0	652.5	652.6	652.6	652.7	652.8	653.0	653.4	653.8	654.2	654.5
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333617-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1701.6	1706.6	1713.9	1722.2	1728.8	1736.1	1740.0	1740.0	1743.3	1750.5	1760.0
5°	1706.5	1724.6	1742.0	1764.2	1781.5	1801.7	1816.9	1831.6	1844.8	1861.4	1878.8
7.5°	1705.0	1735.1	1766.4	1801.4	1840.0	1870.8	1902.4	1927.1	1951.6	1983.5	2008.7
10°	1699.5	1738.5	1780.8	1825.3	1874.0	1916.4	1954.6	1989.4	2022.8	2057.5	2088.7
12.5°	1689.5	1739.0	1790.8	1844.2	1905.7	1954.2	2003.6	2040.5	2079.5	2117.5	2156.1
15°	1674.5	1732.9	1795.5	1869.8	1944.9	1999.1	2047.7	2095.7	2131.9	2175.0	2211.8
17.5°	1643.5	1718.7	1797.4	1878.7	1950.9	2013.8	2064.8	2110.5	2148.9	2196.4	2246.4
20°	1625.1	1706.5	1788.5	1875.4	1944.2	2008.8	2058.2	2105.4	2153.4	2215.3	2276.4
22.5°	1599.6	1686.5	1773.4	1855.9	1928.6	1991.0	2042.1	2099.9	2162.8	2233.1	2307.0
25°	1559.1	1648.8	1735.0	1813.5	1884.5	1948.4	2017.9	2095.7	2172.2	2264.7	2371.0
27.5°	1507.8	1594.3	1671.2	1754.2	1824.6	1905.9	1992.7	2077.1	2187.4	2314.5	2447.3
30°	1469.5	1551.5	1624.4	1703.0	1782.9	1872.6	1969.9	2069.3	2200.7	2350.1	2507.9
32.5°	1425.0	1499.2	1571.6	1647.3	1739.5	1838.1	1941.5	2063.2	2220.2	2390.1	2553.5
35°	1347.8	1414.5	1484.7	1568.9	1666.9	1773.9	1905.9	2054.1	2243.8	2426.6	2573.3
37.5°	1266.9	1319.6	1390.1	1478.7	1585.6	1709.4	1859.2	2039.2	2234.1	2398.1	2460.5
40°	1204.6	1253.9	1328.3	1421.5	1527.1	1662.7	1830.9	2015.8	2211.8	2325.8	2320.9
42.5°	1142.9	1192.8	1264.4	1358.1	1468.2	1619.9	1793.1	1985.2	2150.6	2194.1	2103.5
45°	1048.2	1094.8	1165.0	1259.5	1377.7	1536.9	1719.0	1903.2	2008.8	1938.7	1759.3
47.5°	951.7	996.9	1062.1	1154.7	1283.7	1450.3	1622.5	1773.6	1788.5	1637.6	1422.5
50°	888.3	930.8	992.6	1091.3	1216.4	1379.1	1545.2	1664.1	1627.2	1443.1	1221.3
52.5°	826.6	867.4	925.3	1018.4	1146.4	1305.6	1454.0	1547.3	1462.0	1266.2	1066.7
55°	735.4	774.4	832.8	918.2	1034.3	1180.3	1310.3	1344.3	1219.2	1021.8	860.5
57.5°	648.8	677.3	735.0	810.7	922.6	1051.2	1144.4	1138.3	1000.2	822.4	706.8
60°	591.6	617.2	672.2	741.6	848.0	963.4	1028.8	1000.9	861.2	714.5	603.3
62.5°	538.1	562.2	608.2	672.2	763.5	863.9	911.4	873.1	741.1	612.2	523.8
65°	457.4	474.7	511.6	570.7	642.3	711.8	754.2	697.9	581.1	483.8	417.1
67.5°	381.9	396.9	429.7	472.1	521.5	569.4	586.7	533.9	443.1	377.5	330.5
70°	333.0	346.9	369.1	408.8	441.4	475.5	483.8	436.5	360.8	310.7	281.5
72.5°	286.2	299.0	318.5	346.4	369.1	388.7	392.6	348.7	290.7	256.2	233.7
75°	218.3	229.3	241.9	252.4	266.9	270.4	269.0	235.0	203.7	180.7	168.2
77.5°	160.4	165.1	172.6	176.8	177.5	177.3	170.1	148.6	132.5	123.1	117.9
80°	123.8	127.2	129.3	130.6	131.3	124.4	116.8	103.5	98.0	92.5	86.2
82.5°	89.8	92.2	94.3	94.5	90.8	85.0	77.8	71.3	67.4	64.6	62.2
85°	48.7	49.3	48.7	45.2	40.3	38.3	36.8	35.5	34.8	34.1	34.1
87.5°	17.5	16.1	13.5	14.2	14.4	13.9	14.1	13.7	13.3	13.4	13.6
90°	1.4	2.3	3.2	4.1	5.0	5.8	6.6	7.3	8.1	8.7	9.3
92.5°	12.9	13.6	14.2	14.8	15.6	16.6	17.6	18.5	19.5	20.2	21.0
95°	33.3	33.5	33.7	34.0	34.7	35.8	36.9	38.1	39.1	39.9	40.8
97.5°	55.0	55.1	55.2	55.3	56.1	57.7	59.2	60.8	62.3	63.1	63.8
100°	71.2	71.2	71.2	71.2	72.0	73.4	74.9	76.3	77.8	78.8	79.9
102.5°	89.2	89.6	90.1	90.5	91.1	91.8	92.6	93.4	94.1	95.2	96.3
105°	116.5	117.1	117.7	118.2	118.9	119.6	120.2	120.9	121.5	122.3	123.0
107.5°	146.7	147.2	147.8	148.4	148.9	149.5	149.9	150.4	151.0	151.3	151.7
110°	167.4	168.0	168.5	169.2	169.6	169.9	170.2	170.6	170.9	171.3	171.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	188.3	188.6	188.9	189.2	189.6	190.0	190.4	190.8	191.3	191.5	191.6
115°	219.7	220.2	220.6	221.1	221.4	221.6	221.9	222.0	222.3	222.2	222.0
117.5°	250.7	251.0	251.2	251.4	251.6	251.8	252.0	252.2	252.4	252.5	252.6
120°	270.7	271.3	271.8	272.4	272.7	272.9	273.0	273.0	273.1	273.1	273.1
122.5°	291.5	291.7	291.9	292.1	292.3	292.7	292.9	293.2	293.6	293.5	293.4
125°	320.7	321.3	322.0	322.7	323.1	323.2	323.3	323.4	323.5	323.3	323.1
127.5°	350.9	351.2	351.6	352.0	352.3	352.4	352.6	352.7	352.8	352.8	352.6
130°	369.3	370.0	370.5	371.0	371.5	371.7	371.9	372.1	372.4	372.3	372.1
132.5°	388.1	389.0	389.9	390.8	391.3	391.2	391.2	391.1	391.1	391.0	390.8
135°	416.8	417.5	418.1	418.8	419.2	419.4	419.5	419.5	419.6	419.6	419.6
137.5°	444.1	444.7	445.3	446.0	446.5	446.7	446.9	447.2	447.5	447.5	447.7
140°	461.5	462.0	462.5	463.2	463.6	464.0	464.3	464.6	464.9	465.2	465.4
142.5°	478.8	479.3	479.8	480.3	480.7	481.2	481.6	482.1	482.4	482.6	482.7
145°	504.5	505.1	505.5	506.0	506.3	506.7	507.0	507.4	507.7	507.7	507.7
147.5°	528.2	528.4	528.7	529.0	529.1	529.4	529.8	530.0	530.3	530.6	530.8
150°	543.7	543.6	543.5	543.3	543.5	543.9	544.4	544.8	545.3	545.3	545.3
152.5°	557.0	557.1	557.3	557.4	557.6	557.8	557.9	558.1	558.4	558.7	558.9
155°	576.8	576.8	576.8	576.8	576.9	577.0	577.1	577.3	577.4	577.8	578.3
157.5°	594.5	594.2	594.1	593.8	593.7	593.8	594.0	594.1	594.1	594.6	595.0
160°	605.0	604.7	604.3	604.0	603.9	604.0	604.1	604.2	604.3	604.8	605.2
162.5°	614.5	614.2	613.9	613.7	613.6	613.6	613.7	613.7	613.7	614.2	614.7
165°	627.0	626.8	626.5	626.3	626.2	626.3	626.5	626.6	626.7	627.1	627.6
167.5°	637.4	636.9	636.4	636.0	635.8	635.8	635.8	635.8	635.8	636.4	637.1
170°	643.0	642.6	642.1	641.7	641.5	641.5	641.5	641.5	641.5	642.1	642.8
172.5°	647.1	646.7	646.2	645.8	645.5	645.5	645.5	645.5	645.5	646.2	646.9
175°	651.7	651.2	650.8	650.3	650.1	650.1	650.1	650.1	650.1	650.8	651.5
177.5°	654.2	653.8	653.4	653.0	652.8	652.7	652.6	652.6	652.5	653.0	653.5
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3	1693.3
2.5°	1767.2	1767.2	1776.6	1776.1	1782.3	1780.0	1781.1
5°	1899.7	1911.6	1922.0	1928.9	1939.3	1942.1	1940.7
7.5°	2037.0	2063.3	2076.1	2093.6	2096.9	2106.0	2105.1
10°	2122.2	2147.9	2167.3	2182.6	2190.2	2200.0	2200.7
12.5°	2188.9	2210.7	2227.9	2242.1	2251.4	2254.5	2256.3
15°	2241.0	2265.3	2285.5	2305.6	2317.5	2326.5	2331.4
17.5°	2293.6	2331.1	2366.7	2394.1	2410.5	2424.4	2424.2
20°	2334.1	2377.2	2421.7	2453.0	2485.0	2498.8	2501.0
22.5°	2377.5	2443.4	2500.7	2549.2	2591.2	2605.7	2611.1
25°	2467.6	2553.8	2642.0	2710.2	2758.9	2787.3	2791.5
27.5°	2576.4	2693.1	2786.0	2848.8	2889.2	2910.4	2915.0
30°	2653.2	2760.9	2844.4	2891.6	2910.4	2913.1	2902.7
32.5°	2687.7	2768.1	2801.5	2798.7	2761.9	2737.5	2728.1
35°	2645.5	2628.9	2547.5	2450.2	2375.9	2328.6	2316.0
37.5°	2407.5	2263.7	2114.1	1967.0	1888.7	1849.0	1780.6
40°	2172.9	1967.8	1812.1	1688.4	1600.1	1529.2	1512.5
42.5°	1908.2	1696.5	1540.8	1434.9	1364.3	1315.7	1294.6
45°	1533.4	1351.3	1222.7	1141.4	1087.2	1051.7	1035.7
47.5°	1226.5	1085.5	991.8	931.6	890.3	859.4	850.8
50°	1057.9	945.3	866.1	815.4	784.1	760.5	750.7
52.5°	918.9	828.0	767.1	725.2	695.6	680.9	672.9
55°	758.3	679.8	636.1	602.6	585.9	574.2	568.6
57.5°	620.2	563.5	531.5	508.4	492.9	485.4	482.7
60°	542.9	498.4	469.2	451.1	440.7	431.0	428.2
62.5°	474.5	439.4	417.0	401.1	390.7	386.5	384.8
65°	382.3	359.4	342.7	333.0	324.6	323.2	322.5
67.5°	303.9	290.4	281.7	271.5	268.6	263.7	262.8
70°	259.9	250.9	240.5	237.0	233.5	228.7	229.3
72.5°	220.5	211.4	204.4	199.7	198.5	196.4	198.2
75°	161.2	158.5	155.7	152.2	150.9	150.9	150.2
77.5°	115.1	112.7	109.7	107.6	107.2	104.2	105.4
80°	83.4	79.9	78.6	79.3	77.1	76.4	76.4
82.5°	61.7	60.5	59.1	59.2	58.8	58.1	58.7
85°	34.1	33.3	33.3	32.6	32.6	32.0	32.0
87.5°	14.2	14.9	13.8	13.4	13.5	14.1	14.7
90°	9.8	10.4	10.9	11.2	11.5	11.9	12.2
92.5°	21.8	22.6	23.0	23.3	23.5	23.7	24.0
95°	41.6	42.4	42.8	43.1	43.3	43.5	43.8
97.5°	64.6	65.4	65.8	65.9	66.1	66.2	66.3
100°	80.9	81.9	82.5	82.8	83.0	83.2	83.5
102.5°	97.5	98.5	99.2	99.6	99.9	100.2	100.5
105°	123.6	124.3	124.8	125.1	125.5	125.8	126.2
107.5°	152.0	152.3	152.5	152.5	152.5	152.4	152.4
110°	171.9	172.3	172.4	172.3	172.2	172.0	171.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	191.7	191.9	191.9	191.7	191.5	191.3	191.1
115°	221.9	221.9	221.8	221.6	221.5	221.4	221.3
117.5°	252.7	252.8	252.6	252.2	251.7	251.3	250.7
120°	273.1	273.1	273.0	272.5	272.1	271.6	271.2
122.5°	293.3	293.2	292.9	292.6	292.2	291.9	291.5
125°	322.9	322.6	322.4	322.4	322.3	322.1	322.0
127.5°	352.5	352.4	352.2	352.0	351.8	351.5	351.3
130°	372.0	371.9	371.8	371.5	371.3	371.0	370.9
132.5°	390.7	390.7	390.4	390.1	389.8	389.5	389.1
135°	419.6	419.6	419.5	419.0	418.6	418.1	417.7
137.5°	447.8	448.0	447.8	447.2	446.7	446.1	445.5
140°	465.7	465.8	465.7	465.1	464.6	464.0	463.4
142.5°	482.9	483.0	482.8	482.2	481.6	481.1	480.5
145°	507.7	507.7	507.5	507.2	506.8	506.5	506.1
147.5°	531.1	531.4	531.1	530.3	529.6	528.8	528.1
150°	545.3	545.3	545.2	545.0	544.7	544.6	544.3
152.5°	559.2	559.5	559.4	558.9	558.6	558.1	557.8
155°	578.7	579.2	579.2	578.5	578.0	577.4	576.8
157.5°	595.5	595.9	595.8	595.0	594.3	593.6	592.8
160°	605.6	606.1	606.1	605.6	604.9	604.4	603.9
162.5°	615.3	615.9	615.8	615.2	614.5	613.9	613.1
165°	628.0	628.6	628.4	627.8	627.1	626.3	625.7
167.5°	637.8	638.5	638.5	637.8	637.0	636.3	635.7
170°	643.5	644.2	644.1	643.4	642.6	641.8	641.0
172.5°	647.6	648.3	648.3	647.6	646.8	646.1	645.4
175°	652.1	652.8	652.7	652.0	651.2	650.4	649.6
177.5°	654.1	654.6	654.6	654.0	653.4	652.6	652.0
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7

(END OF REPORT)