

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: P333618-940

Luminaire Tested: **S125RDIP-S1270D590U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333618-940
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-S1270D590U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6280.4 lumens
Efficiency: N/A
Efficacy: 114.0 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: Semi-Direct

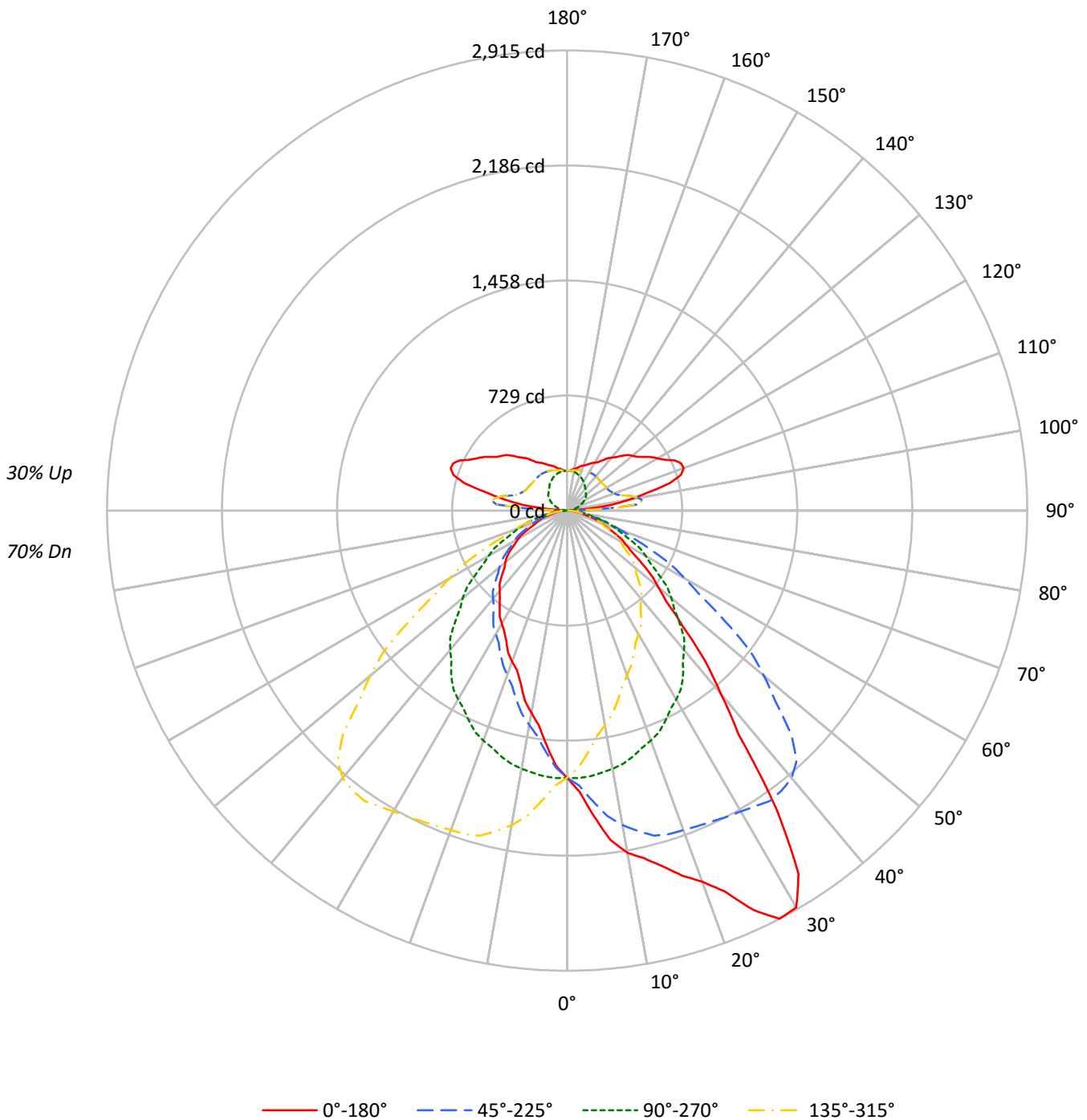
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

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	94	94	94	84	84	84	74	74	74	70
1	103	99	95	91	97	93	90	87	84	81	79	75	73	71	67	65	64	60
2	94	87	81	76	89	82	77	72	74	70	66	66	63	60	59	57	55	51
3	86	77	70	64	81	73	66	61	66	61	56	59	55	52	53	50	47	44
4	79	68	60	54	75	65	58	52	59	53	49	53	48	45	48	44	41	38
5	73	61	53	47	69	58	51	45	53	47	42	48	43	39	43	39	36	33
6	67	55	47	41	64	53	45	40	48	42	37	43	38	34	39	35	32	29
7	62	50	42	36	59	48	40	35	44	37	33	40	35	31	36	32	28	26
8	58	46	38	32	55	44	36	31	40	34	29	36	31	27	33	29	26	23
9	54	42	34	29	51	40	33	28	37	31	26	34	28	25	31	26	23	21
10	51	38	31	26	48	37	30	25	34	28	24	31	26	23	28	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



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	2.6
10°-20°	475.9	7.6
20°-30°	754.5	12.0
30°-40°	909.8	14.5
40°-50°	812.5	12.9
50°-60°	623.1	9.9
60°-70°	404.9	6.4
70°-80°	196.9	3.1
80°-90°	48.4	0.8
90°-100°	182.9	2.9
100°-110°	393.1	6.3
110°-120°	369.0	5.9
120°-130°	299.0	4.8
130°-140°	240.0	3.8
140°-150°	181.1	2.9
150°-160°	127.5	2.0
160°-170°	75.1	1.2
170°-180°	24.4	0.4
0°-30°	1392.7	22.2
0°-40°	2302.6	36.7
0°-60°	3738.2	59.5
0°-90°	4388.4	69.9
90°-120°	945.0	15.0
90°-150°	1665.0	26.5
90°-180°	1892.0	30.1
0°-180°	6280.4	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	10
95°	120	17	120	17	120	169
105°	674	58	674	58	674	670
115°	751	103	751	103	751	734
125°	592	142	592	142	592	535
135°	491	167	491	167	491	381
145°	388	194	388	194	388	246
155°	325	222	325	222	325	151
165°	285	242	285	242	285	81
175°	256	252	256	252	256	25
180°	252	252	252	252	252	



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

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°	14.5	14.0	13.4	13.4	13.9	14.8	14.2	13.5	13.4	13.3	13.6
90°	11.7	11.7	11.1	11.1	11.1	10.2	9.6	9.2	8.6	8.1	7.1
92.5°	32.5	33.3	34.0	35.2	41.7	49.2	65.5	90.2	132.8	164.0	166.7
95°	119.6	127.7	131.7	147.0	183.2	225.9	288.4	365.7	441.0	450.7	367.7
97.5°	288.9	295.4	310.1	338.7	370.1	429.5	490.4	544.7	558.0	481.3	328.4
100°	396.7	404.9	423.7	460.3	495.4	548.3	600.7	625.6	586.5	459.3	293.0
102.5°	517.2	523.3	543.8	569.8	607.3	643.1	668.2	652.9	569.4	420.6	266.1
105°	674.0	680.1	690.3	707.0	723.3	728.9	706.5	636.9	514.8	368.8	240.0
107.5°	757.2	761.3	764.6	764.7	756.4	730.0	672.4	579.4	459.1	333.1	229.1
110°	784.9	784.9	781.3	771.6	748.8	705.5	633.8	537.2	427.3	316.4	225.9



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	781.6	777.9	769.1	752.5	719.1	668.1	595.6	503.8	403.7	306.7	225.9
115°	750.8	744.1	730.0	705.5	665.8	610.4	540.7	461.8	377.9	296.0	227.4
117.5°	696.8	692.7	678.6	653.4	613.7	562.8	502.7	434.8	362.6	290.9	230.7
120°	661.7	657.7	644.0	619.6	581.9	537.2	481.2	420.2	354.0	288.4	234.0
122.5°	630.8	627.1	613.4	591.0	557.5	515.6	465.7	409.2	346.7	286.4	236.8
125°	591.6	586.5	575.3	554.5	525.9	489.4	445.1	393.2	336.7	283.8	241.7
127.5°	558.0	555.7	545.2	526.7	501.0	466.6	425.3	376.9	327.6	282.6	247.0
130°	539.7	536.6	526.5	509.7	484.2	451.2	411.5	366.8	321.5	281.8	250.3
132.5°	521.4	517.9	508.5	491.8	466.4	434.5	398.5	356.6	316.6	281.8	254.0
135°	491.3	488.3	479.1	462.4	440.0	411.0	378.4	343.3	310.8	281.8	258.9
137.5°	459.3	455.9	447.5	432.2	412.2	387.6	360.5	332.2	305.6	282.4	263.5
140°	436.9	434.4	426.8	413.6	394.8	373.4	350.0	326.0	303.2	282.9	265.6
142.5°	416.2	414.0	406.8	395.7	379.7	361.1	341.0	320.7	301.1	283.2	266.7
145°	387.6	385.6	380.0	371.3	359.1	345.4	329.6	313.9	298.1	282.9	268.0
147.5°	363.4	362.5	359.2	352.3	342.6	332.3	320.1	307.4	294.9	281.5	268.6
150°	350.0	349.5	347.4	341.3	333.7	324.5	314.9	303.6	292.5	280.3	268.6
152.5°	339.4	338.9	336.8	332.0	325.6	318.4	309.6	299.6	289.6	278.7	268.1
155°	325.0	324.5	323.0	319.4	314.3	308.7	301.7	293.5	284.8	275.7	267.1
157.5°	312.2	312.3	310.9	307.9	304.0	299.6	294.1	287.4	280.4	272.6	265.7
160°	303.6	304.2	303.2	300.6	297.0	293.5	288.4	283.3	276.7	270.6	264.5
162.5°	296.0	296.0	295.9	293.7	291.0	287.8	283.6	278.8	273.5	268.1	263.3
165°	284.8	284.8	284.8	283.8	281.8	279.3	276.2	272.6	268.6	264.5	261.4
167.5°	274.6	274.7	275.2	274.3	273.2	271.4	269.1	266.7	263.8	260.9	258.6
170°	268.6	269.1	269.1	268.6	267.5	266.5	265.0	263.5	260.9	258.9	257.3
172.5°	262.9	263.4	264.2	263.3	263.1	262.4	261.4	259.8	258.1	256.5	255.7
175°	255.8	256.4	257.3	256.9	256.9	256.9	255.8	255.8	254.3	253.8	253.8
177.5°	252.3	252.3	253.5	253.1	253.5	253.5	253.5	253.1	252.7	252.3	252.3
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

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	13.4	16.0	17.5	17.9	16.9	16.0	15.1
90°	6.6	5.6	5.1	4.1	3.0	2.1	1.0	0.5	1.0	2.1	3.0
92.5°	116.1	69.5	41.7	26.8	18.1	11.8	7.5	6.2	7.5	11.8	18.1
95°	227.4	115.5	61.1	38.2	26.9	21.4	17.3	16.8	17.3	21.4	26.9
97.5°	181.5	99.5	63.5	47.0	36.9	31.3	28.4	27.9	28.4	31.3	36.9
100°	164.8	98.7	69.2	53.9	44.2	38.7	36.6	35.6	36.6	38.7	44.2
102.5°	157.9	102.4	76.1	61.3	52.4	46.4	44.8	44.1	44.8	46.4	52.4
105°	155.2	109.9	87.5	73.2	65.1	60.0	57.5	57.5	57.5	60.0	65.1
107.5°	159.8	121.1	99.4	86.6	78.1	73.9	71.5	70.5	71.5	73.9	78.1
110°	164.3	129.2	108.3	95.1	87.5	82.9	80.9	79.9	80.9	82.9	87.5



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	170.0	137.0	116.9	104.1	96.5	91.8	90.2	89.3	90.2	91.8	96.5
115°	178.5	149.0	130.2	117.5	109.9	105.3	103.8	102.7	103.8	105.3	109.9
117.5°	188.3	161.5	143.7	131.3	122.7	118.2	116.5	114.9	116.5	118.2	122.7
120°	194.8	170.4	152.6	139.9	131.3	126.6	124.7	123.1	124.7	126.6	131.3
122.5°	202.2	179.0	161.1	148.5	138.9	134.4	132.8	131.6	132.8	134.4	138.9
125°	212.1	190.2	173.4	160.2	150.5	146.0	143.5	142.4	143.5	146.0	150.5
127.5°	221.2	201.1	184.9	171.7	161.5	155.7	152.4	150.9	152.4	155.7	161.5
130°	227.4	208.0	192.3	179.1	168.4	161.8	157.7	156.1	157.7	161.8	168.4
132.5°	232.6	214.5	198.8	185.6	174.5	167.0	162.2	160.2	162.2	167.0	174.5
135°	240.0	223.3	207.5	193.8	183.2	175.0	168.9	166.8	168.9	175.0	183.2
137.5°	245.6	229.5	215.2	201.0	190.6	182.4	176.7	175.2	176.7	182.4	190.6
140°	249.2	234.0	219.3	205.5	195.8	187.7	181.6	180.0	181.6	187.7	195.8
142.5°	251.3	236.8	222.9	210.0	200.7	192.6	186.9	185.7	186.9	192.6	200.7
145°	254.3	241.7	228.4	216.7	207.5	200.4	195.3	194.3	195.3	200.4	207.5
147.5°	256.2	244.7	233.1	222.7	214.8	208.2	203.8	203.2	203.8	208.2	214.8
150°	257.3	246.7	235.5	226.9	219.7	213.1	209.6	208.6	209.6	213.1	219.7
152.5°	258.2	248.7	238.4	230.5	223.8	218.0	214.8	214.3	214.8	218.0	223.8
155°	258.9	250.7	242.1	235.0	229.9	224.8	221.8	221.8	221.8	224.8	229.9
157.5°	259.4	252.5	245.0	239.7	235.2	230.9	228.4	228.5	228.4	230.9	235.2
160°	259.4	253.3	246.7	242.1	238.1	234.5	232.5	233.0	232.5	234.5	238.1
162.5°	259.0	254.1	248.3	244.6	241.3	238.2	236.1	236.7	236.1	238.2	241.3
165°	258.4	254.3	250.3	247.2	245.1	242.6	241.1	242.1	241.1	242.6	245.1
167.5°	257.2	254.3	250.9	249.1	247.6	246.2	245.3	245.8	245.3	246.2	247.6
170°	256.4	254.3	251.8	250.3	249.2	248.3	247.7	248.3	247.7	248.3	249.2
172.5°	255.6	254.0	251.8	251.1	250.5	249.4	249.0	249.9	249.0	249.4	250.5
175°	254.3	253.3	251.8	251.8	251.8	251.3	250.7	251.8	250.7	251.3	251.8
177.5°	253.1	252.7	251.9	251.9	252.3	251.9	251.9	252.7	251.9	251.9	252.3
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

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	14.4	15.8	14.2	15.0	15.1	14.6	14.7	14.8	14.4
90°	4.1	5.1	5.6	6.6	7.1	8.1	8.6	9.2	9.6	10.2	11.1
92.5°	26.8	41.7	69.5	116.1	166.7	164.0	132.8	90.2	65.5	49.2	41.7
95°	38.2	61.1	115.5	227.4	367.7	450.7	441.0	365.7	288.4	225.9	183.2
97.5°	47.0	63.5	99.5	181.5	328.4	481.3	558.0	544.7	490.4	429.5	370.1
100°	53.9	69.2	98.7	164.8	293.0	459.3	586.5	625.6	600.7	548.3	495.4
102.5°	61.3	76.1	102.4	157.9	266.1	420.6	569.4	652.9	668.2	643.1	607.3
105°	73.2	87.5	109.9	155.2	240.0	368.8	514.8	636.9	706.5	728.9	723.3
107.5°	86.6	99.4	121.1	159.8	229.1	333.1	459.1	579.4	672.4	730.0	756.4
110°	95.1	108.3	129.2	164.3	225.9	316.4	427.3	537.2	633.8	705.5	748.8



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	104.1	116.9	137.0	170.0	225.9	306.7	403.7	503.8	595.6	668.1	719.1
115°	117.5	130.2	149.0	178.5	227.4	296.0	377.9	461.8	540.7	610.4	665.8
117.5°	131.3	143.7	161.5	188.3	230.7	290.9	362.6	434.8	502.7	562.8	613.7
120°	139.9	152.6	170.4	194.8	234.0	288.4	354.0	420.2	481.2	537.2	581.9
122.5°	148.5	161.1	179.0	202.2	236.8	286.4	346.7	409.2	465.7	515.6	557.5
125°	160.2	173.4	190.2	212.1	241.7	283.8	336.7	393.2	445.1	489.4	525.9
127.5°	171.7	184.9	201.1	221.2	247.0	282.6	327.6	376.9	425.3	466.6	501.0
130°	179.1	192.3	208.0	227.4	250.3	281.8	321.5	366.8	411.5	451.2	484.2
132.5°	185.6	198.8	214.5	232.6	254.0	281.8	316.6	356.6	398.5	434.5	466.4
135°	193.8	207.5	223.3	240.0	258.9	281.8	310.8	343.3	378.4	411.0	440.0
137.5°	201.0	215.2	229.5	245.6	263.5	282.4	305.6	332.2	360.5	387.6	412.2
140°	205.5	219.3	234.0	249.2	265.6	282.9	303.2	326.0	350.0	373.4	394.8
142.5°	210.0	222.9	236.8	251.3	266.7	283.2	301.1	320.7	341.0	361.1	379.7
145°	216.7	228.4	241.7	254.3	268.0	282.9	298.1	313.9	329.6	345.4	359.1
147.5°	222.7	233.1	244.7	256.2	268.6	281.5	294.9	307.4	320.1	332.3	342.6
150°	226.9	235.5	246.7	257.3	268.6	280.3	292.5	303.6	314.9	324.5	333.7
152.5°	230.5	238.4	248.7	258.2	268.1	278.7	289.6	299.6	309.6	318.4	325.6
155°	235.0	242.1	250.7	258.9	267.1	275.7	284.8	293.5	301.7	308.7	314.3
157.5°	239.7	245.0	252.5	259.4	265.7	272.6	280.4	287.4	294.1	299.6	304.0
160°	242.1	246.7	253.3	259.4	264.5	270.6	276.7	283.3	288.4	293.5	297.0
162.5°	244.6	248.3	254.1	259.0	263.3	268.1	273.5	278.8	283.6	287.8	291.0
165°	247.2	250.3	254.3	258.4	261.4	264.5	268.6	272.6	276.2	279.3	281.8
167.5°	249.1	250.9	254.3	257.2	258.6	260.9	263.8	266.7	269.1	271.4	273.2
170°	250.3	251.8	254.3	256.4	257.3	258.9	260.9	263.5	265.0	266.5	267.5
172.5°	251.1	251.8	254.0	255.6	255.7	256.5	258.1	259.8	261.4	262.4	263.1
175°	251.8	251.8	253.3	254.3	253.8	253.8	254.3	255.8	255.8	256.9	256.9
177.5°	251.9	251.9	252.7	253.1	252.3	252.3	252.7	253.1	253.5	253.5	253.5
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

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	14.4	14.5	14.5	14.5	14.4	15.1	14.4	14.8	14.7	14.6
90°	11.1	11.1	11.7	11.7	11.7	11.1	11.1	11.1	10.2	9.6	9.2
92.5°	35.2	34.0	33.3	32.5	33.3	34.0	35.2	41.7	49.2	65.5	90.2
95°	147.0	131.7	127.7	119.6	127.7	131.7	147.0	183.2	225.9	288.4	365.7
97.5°	338.7	310.1	295.4	288.9	295.4	310.1	338.7	370.1	429.5	490.4	544.7
100°	460.3	423.7	404.9	396.7	404.9	423.7	460.3	495.4	548.3	600.7	625.6
102.5°	569.8	543.8	523.3	517.2	523.3	543.8	569.8	607.3	643.1	668.2	652.9
105°	707.0	690.3	680.1	674.0	680.1	690.3	707.0	723.3	728.9	706.5	636.9
107.5°	764.7	764.6	761.3	757.2	761.3	764.6	764.7	756.4	730.0	672.4	579.4
110°	771.6	781.3	784.9	784.9	784.9	781.3	771.6	748.8	705.5	633.8	537.2



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	752.5	769.1	777.9	781.6	777.9	769.1	752.5	719.1	668.1	595.6	503.8
115°	705.5	730.0	744.1	750.8	744.1	730.0	705.5	665.8	610.4	540.7	461.8
117.5°	653.4	678.6	692.7	696.8	692.7	678.6	653.4	613.7	562.8	502.7	434.8
120°	619.6	644.0	657.7	661.7	657.7	644.0	619.6	581.9	537.2	481.2	420.2
122.5°	591.0	613.4	627.1	630.8	627.1	613.4	591.0	557.5	515.6	465.7	409.2
125°	554.5	575.3	586.5	591.6	586.5	575.3	554.5	525.9	489.4	445.1	393.2
127.5°	526.7	545.2	555.7	558.0	555.7	545.2	526.7	501.0	466.6	425.3	376.9
130°	509.7	526.5	536.6	539.7	536.6	526.5	509.7	484.2	451.2	411.5	366.8
132.5°	491.8	508.5	517.9	521.4	517.9	508.5	491.8	466.4	434.5	398.5	356.6
135°	462.4	479.1	488.3	491.3	488.3	479.1	462.4	440.0	411.0	378.4	343.3
137.5°	432.2	447.5	455.9	459.3	455.9	447.5	432.2	412.2	387.6	360.5	332.2
140°	413.6	426.8	434.4	436.9	434.4	426.8	413.6	394.8	373.4	350.0	326.0
142.5°	395.7	406.8	414.0	416.2	414.0	406.8	395.7	379.7	361.1	341.0	320.7
145°	371.3	380.0	385.6	387.6	385.6	380.0	371.3	359.1	345.4	329.6	313.9
147.5°	352.3	359.2	362.5	363.4	362.5	359.2	352.3	342.6	332.3	320.1	307.4
150°	341.3	347.4	349.5	350.0	349.5	347.4	341.3	333.7	324.5	314.9	303.6
152.5°	332.0	336.8	338.9	339.4	338.9	336.8	332.0	325.6	318.4	309.6	299.6
155°	319.4	323.0	324.5	325.0	324.5	323.0	319.4	314.3	308.7	301.7	293.5
157.5°	307.9	310.9	312.3	312.2	312.3	310.9	307.9	304.0	299.6	294.1	287.4
160°	300.6	303.2	304.2	303.6	304.2	303.2	300.6	297.0	293.5	288.4	283.3
162.5°	293.7	295.9	296.0	296.0	296.0	295.9	293.7	291.0	287.8	283.6	278.8
165°	283.8	284.8	284.8	284.8	284.8	284.8	283.8	281.8	279.3	276.2	272.6
167.5°	274.3	275.2	274.7	274.6	274.7	275.2	274.3	273.2	271.4	269.1	266.7
170°	268.6	269.1	269.1	268.6	269.1	269.1	268.6	267.5	266.5	265.0	263.5
172.5°	263.3	264.2	263.4	262.9	263.4	264.2	263.3	263.1	262.4	261.4	259.8
175°	256.9	257.3	256.4	255.8	256.4	257.3	256.9	256.9	256.9	255.8	255.8
177.5°	253.1	253.5	252.3	252.3	252.3	253.5	253.1	253.5	253.5	253.5	253.1
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

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	14.2	15.8	14.4	14.9	14.7	15.1	16.0	16.9	17.9
90°	8.6	8.1	7.1	6.6	5.6	5.1	4.1	3.0	2.1	1.0	0.5
92.5°	132.8	164.0	166.7	116.1	69.5	41.7	26.8	18.1	11.8	7.5	6.2
95°	441.0	450.7	367.7	227.4	115.5	61.1	38.2	26.9	21.4	17.3	16.8
97.5°	558.0	481.3	328.4	181.5	99.5	63.5	47.0	36.9	31.3	28.4	27.9
100°	586.5	459.3	293.0	164.8	98.7	69.2	53.9	44.2	38.7	36.6	35.6
102.5°	569.4	420.6	266.1	157.9	102.4	76.1	61.3	52.4	46.4	44.8	44.1
105°	514.8	368.8	240.0	155.2	109.9	87.5	73.2	65.1	60.0	57.5	57.5
107.5°	459.1	333.1	229.1	159.8	121.1	99.4	86.6	78.1	73.9	71.5	70.5
110°	427.3	316.4	225.9	164.3	129.2	108.3	95.1	87.5	82.9	80.9	79.9



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	403.7	306.7	225.9	170.0	137.0	116.9	104.1	96.5	91.8	90.2	89.3
115°	377.9	296.0	227.4	178.5	149.0	130.2	117.5	109.9	105.3	103.8	102.7
117.5°	362.6	290.9	230.7	188.3	161.5	143.7	131.3	122.7	118.2	116.5	114.9
120°	354.0	288.4	234.0	194.8	170.4	152.6	139.9	131.3	126.6	124.7	123.1
122.5°	346.7	286.4	236.8	202.2	179.0	161.1	148.5	138.9	134.4	132.8	131.6
125°	336.7	283.8	241.7	212.1	190.2	173.4	160.2	150.5	146.0	143.5	142.4
127.5°	327.6	282.6	247.0	221.2	201.1	184.9	171.7	161.5	155.7	152.4	150.9
130°	321.5	281.8	250.3	227.4	208.0	192.3	179.1	168.4	161.8	157.7	156.1
132.5°	316.6	281.8	254.0	232.6	214.5	198.8	185.6	174.5	167.0	162.2	160.2
135°	310.8	281.8	258.9	240.0	223.3	207.5	193.8	183.2	175.0	168.9	166.8
137.5°	305.6	282.4	263.5	245.6	229.5	215.2	201.0	190.6	182.4	176.7	175.2
140°	303.2	282.9	265.6	249.2	234.0	219.3	205.5	195.8	187.7	181.6	180.0
142.5°	301.1	283.2	266.7	251.3	236.8	222.9	210.0	200.7	192.6	186.9	185.7
145°	298.1	282.9	268.0	254.3	241.7	228.4	216.7	207.5	200.4	195.3	194.3
147.5°	294.9	281.5	268.6	256.2	244.7	233.1	222.7	214.8	208.2	203.8	203.2
150°	292.5	280.3	268.6	257.3	246.7	235.5	226.9	219.7	213.1	209.6	208.6
152.5°	289.6	278.7	268.1	258.2	248.7	238.4	230.5	223.8	218.0	214.8	214.3
155°	284.8	275.7	267.1	258.9	250.7	242.1	235.0	229.9	224.8	221.8	221.8
157.5°	280.4	272.6	265.7	259.4	252.5	245.0	239.7	235.2	230.9	228.4	228.5
160°	276.7	270.6	264.5	259.4	253.3	246.7	242.1	238.1	234.5	232.5	233.0
162.5°	273.5	268.1	263.3	259.0	254.1	248.3	244.6	241.3	238.2	236.1	236.7
165°	268.6	264.5	261.4	258.4	254.3	250.3	247.2	245.1	242.6	241.1	242.1
167.5°	263.8	260.9	258.6	257.2	254.3	250.9	249.1	247.6	246.2	245.3	245.8
170°	260.9	258.9	257.3	256.4	254.3	251.8	250.3	249.2	248.3	247.7	248.3
172.5°	258.1	256.5	255.7	255.6	254.0	251.8	251.1	250.5	249.4	249.0	249.9
175°	254.3	253.8	253.8	254.3	253.3	251.8	251.8	251.8	251.3	250.7	251.8
177.5°	252.7	252.3	252.3	253.1	252.7	251.9	251.9	252.3	251.9	251.9	252.7
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

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	16.0	13.4	14.2	14.4	13.9	14.1	13.6	13.3	13.4	13.5
90°	1.0	2.1	3.0	4.1	5.1	5.6	6.6	7.1	8.1	8.6	9.2
92.5°	7.5	11.8	18.1	26.8	41.7	69.5	116.1	166.7	164.0	132.8	90.2
95°	17.3	21.4	26.9	38.2	61.1	115.5	227.4	367.7	450.7	441.0	365.7
97.5°	28.4	31.3	36.9	47.0	63.5	99.5	181.5	328.4	481.3	558.0	544.7
100°	36.6	38.7	44.2	53.9	69.2	98.7	164.8	293.0	459.3	586.5	625.6
102.5°	44.8	46.4	52.4	61.3	76.1	102.4	157.9	266.1	420.6	569.4	652.9
105°	57.5	60.0	65.1	73.2	87.5	109.9	155.2	240.0	368.8	514.8	636.9
107.5°	71.5	73.9	78.1	86.6	99.4	121.1	159.8	229.1	333.1	459.1	579.4
110°	80.9	82.9	87.5	95.1	108.3	129.2	164.3	225.9	316.4	427.3	537.2



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	90.2	91.8	96.5	104.1	116.9	137.0	170.0	225.9	306.7	403.7	503.8
115°	103.8	105.3	109.9	117.5	130.2	149.0	178.5	227.4	296.0	377.9	461.8
117.5°	116.5	118.2	122.7	131.3	143.7	161.5	188.3	230.7	290.9	362.6	434.8
120°	124.7	126.6	131.3	139.9	152.6	170.4	194.8	234.0	288.4	354.0	420.2
122.5°	132.8	134.4	138.9	148.5	161.1	179.0	202.2	236.8	286.4	346.7	409.2
125°	143.5	146.0	150.5	160.2	173.4	190.2	212.1	241.7	283.8	336.7	393.2
127.5°	152.4	155.7	161.5	171.7	184.9	201.1	221.2	247.0	282.6	327.6	376.9
130°	157.7	161.8	168.4	179.1	192.3	208.0	227.4	250.3	281.8	321.5	366.8
132.5°	162.2	167.0	174.5	185.6	198.8	214.5	232.6	254.0	281.8	316.6	356.6
135°	168.9	175.0	183.2	193.8	207.5	223.3	240.0	258.9	281.8	310.8	343.3
137.5°	176.7	182.4	190.6	201.0	215.2	229.5	245.6	263.5	282.4	305.6	332.2
140°	181.6	187.7	195.8	205.5	219.3	234.0	249.2	265.6	282.9	303.2	326.0
142.5°	186.9	192.6	200.7	210.0	222.9	236.8	251.3	266.7	283.2	301.1	320.7
145°	195.3	200.4	207.5	216.7	228.4	241.7	254.3	268.0	282.9	298.1	313.9
147.5°	203.8	208.2	214.8	222.7	233.1	244.7	256.2	268.6	281.5	294.9	307.4
150°	209.6	213.1	219.7	226.9	235.5	246.7	257.3	268.6	280.3	292.5	303.6
152.5°	214.8	218.0	223.8	230.5	238.4	248.7	258.2	268.1	278.7	289.6	299.6
155°	221.8	224.8	229.9	235.0	242.1	250.7	258.9	267.1	275.7	284.8	293.5
157.5°	228.4	230.9	235.2	239.7	245.0	252.5	259.4	265.7	272.6	280.4	287.4
160°	232.5	234.5	238.1	242.1	246.7	253.3	259.4	264.5	270.6	276.7	283.3
162.5°	236.1	238.2	241.3	244.6	248.3	254.1	259.0	263.3	268.1	273.5	278.8
165°	241.1	242.6	245.1	247.2	250.3	254.3	258.4	261.4	264.5	268.6	272.6
167.5°	245.3	246.2	247.6	249.1	250.9	254.3	257.2	258.6	260.9	263.8	266.7
170°	247.7	248.3	249.2	250.3	251.8	254.3	256.4	257.3	258.9	260.9	263.5
172.5°	249.0	249.4	250.5	251.1	251.8	254.0	255.6	255.7	256.5	258.1	259.8
175°	250.7	251.3	251.8	251.8	251.8	253.3	254.3	253.8	253.8	254.3	255.8
177.5°	251.9	251.9	252.3	251.9	251.9	252.7	253.1	252.3	252.3	252.7	253.1
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

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	14.8	13.9	13.4	13.4	14.0	14.5
90°	9.6	10.2	11.1	11.1	11.1	11.7	11.7
92.5°	65.5	49.2	41.7	35.2	34.0	33.3	32.5
95°	288.4	225.9	183.2	147.0	131.7	127.7	119.6
97.5°	490.4	429.5	370.1	338.7	310.1	295.4	288.9
100°	600.7	548.3	495.4	460.3	423.7	404.9	396.7
102.5°	668.2	643.1	607.3	569.8	543.8	523.3	517.2
105°	706.5	728.9	723.3	707.0	690.3	680.1	674.0
107.5°	672.4	730.0	756.4	764.7	764.6	761.3	757.2
110°	633.8	705.5	748.8	771.6	781.3	784.9	784.9



TEST NUMBER: P333618-940

CATALOG NUMBER: S125RDIP-S1270D590U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	595.6	668.1	719.1	752.5	769.1	777.9	781.6
115°	540.7	610.4	665.8	705.5	730.0	744.1	750.8
117.5°	502.7	562.8	613.7	653.4	678.6	692.7	696.8
120°	481.2	537.2	581.9	619.6	644.0	657.7	661.7
122.5°	465.7	515.6	557.5	591.0	613.4	627.1	630.8
125°	445.1	489.4	525.9	554.5	575.3	586.5	591.6
127.5°	425.3	466.6	501.0	526.7	545.2	555.7	558.0
130°	411.5	451.2	484.2	509.7	526.5	536.6	539.7
132.5°	398.5	434.5	466.4	491.8	508.5	517.9	521.4
135°	378.4	411.0	440.0	462.4	479.1	488.3	491.3
137.5°	360.5	387.6	412.2	432.2	447.5	455.9	459.3
140°	350.0	373.4	394.8	413.6	426.8	434.4	436.9
142.5°	341.0	361.1	379.7	395.7	406.8	414.0	416.2
145°	329.6	345.4	359.1	371.3	380.0	385.6	387.6
147.5°	320.1	332.3	342.6	352.3	359.2	362.5	363.4
150°	314.9	324.5	333.7	341.3	347.4	349.5	350.0
152.5°	309.6	318.4	325.6	332.0	336.8	338.9	339.4
155°	301.7	308.7	314.3	319.4	323.0	324.5	325.0
157.5°	294.1	299.6	304.0	307.9	310.9	312.3	312.2
160°	288.4	293.5	297.0	300.6	303.2	304.2	303.6
162.5°	283.6	287.8	291.0	293.7	295.9	296.0	296.0
165°	276.2	279.3	281.8	283.8	284.8	284.8	284.8
167.5°	269.1	271.4	273.2	274.3	275.2	274.7	274.6
170°	265.0	266.5	267.5	268.6	269.1	269.1	268.6
172.5°	261.4	262.4	263.1	263.3	264.2	263.4	262.9
175°	255.8	256.9	256.9	256.9	257.3	256.4	255.8
177.5°	253.5	253.5	253.5	253.1	253.5	252.3	252.3
180°	252.3	252.3	252.3	252.3	252.3	252.3	252.3

(END OF REPORT)