

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: P333616-940

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333616-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
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-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6496.0 lumens
Efficiency: N/A
Efficacy: 117.9 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

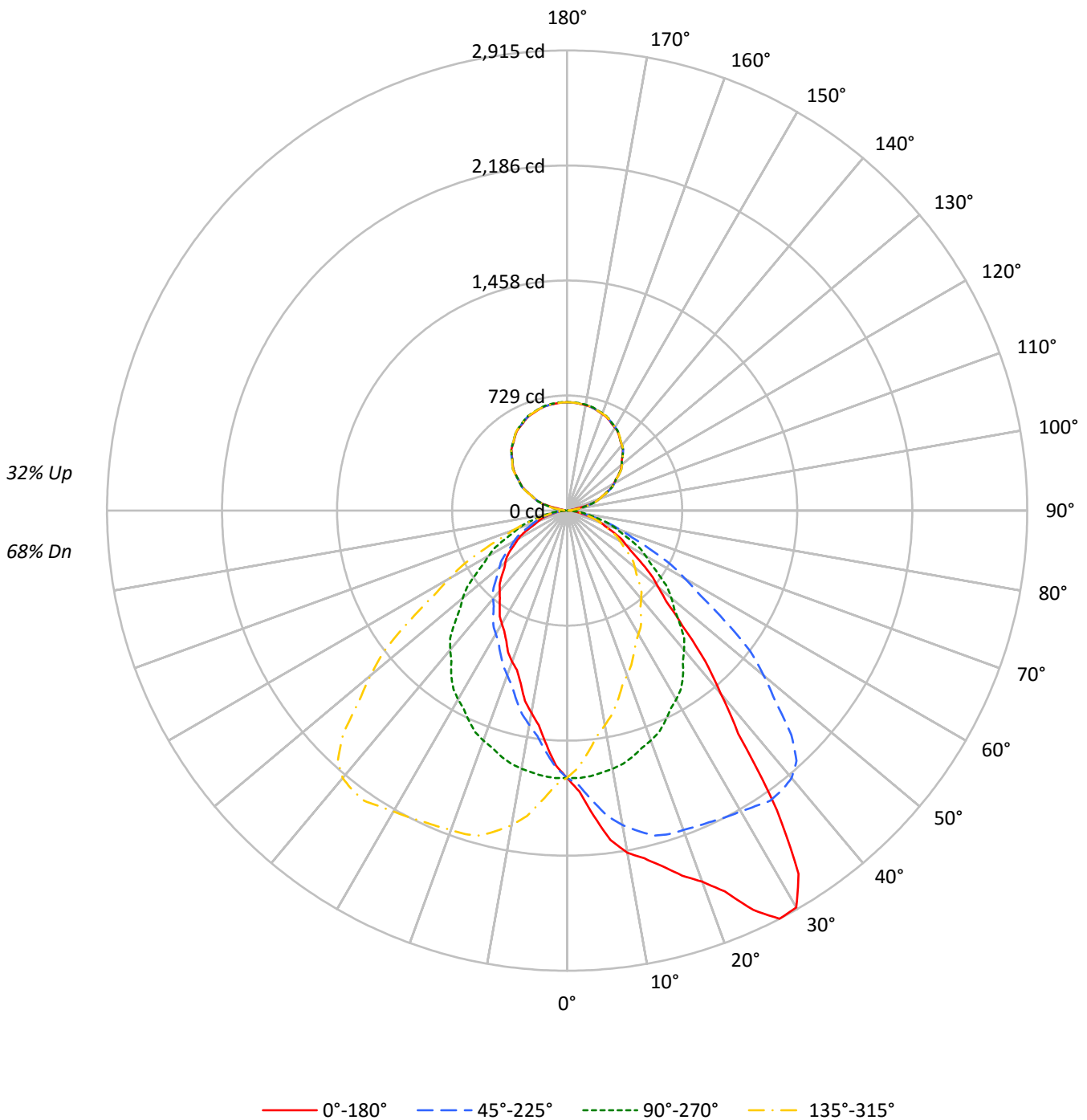
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	68
1	102	98	94	91	96	93	89	86	83	80	78	73	72	70	65	63	62	58
2	94	86	80	75	88	82	76	72	73	69	65	65	62	59	58	55	53	50
3	86	76	69	63	81	72	66	61	65	60	56	58	54	51	52	48	46	43
4	79	68	60	54	74	64	57	52	58	52	48	52	47	44	46	43	40	37
5	72	61	53	47	68	58	50	45	52	46	42	47	42	38	42	38	35	32
6	67	55	47	41	63	52	45	39	47	41	36	43	38	34	38	34	31	28
7	62	50	42	36	58	47	40	35	43	37	32	39	34	30	35	31	28	25
8	58	45	37	32	54	43	36	31	39	33	29	36	31	27	32	28	25	23
9	54	41	34	29	51	40	33	28	36	30	26	33	28	24	30	26	22	20
10	50	38	31	26	48	36	30	25	33	28	24	30	25	22	28	23	20	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	2.5
10°-20°	475.9	7.3
20°-30°	754.5	11.6
30°-40°	909.8	14.0
40°-50°	812.5	12.5
50°-60°	623.1	9.6
60°-70°	404.9	6.2
70°-80°	196.9	3.0
80°-90°	48.4	0.7
90°-100°	24.9	0.4
100°-110°	153.7	2.4
110°-120°	278.8	4.3
120°-130°	357.8	5.5
130°-140°	384.8	5.9
140°-150°	361.2	5.6
150°-160°	292.2	4.5
160°-170°	189.0	2.9
170°-180°	65.2	1.0
0°-30°	1392.7	21.4
0°-40°	2302.6	35.4
0°-60°	3738.2	57.5
0°-90°	4388.4	67.6
90°-120°	457.4	7.0
90°-150°	1561.2	24.0
90°-180°	2108.0	32.5
0°-180°	6496.0	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	7
95°	11	29	11	29	11	9
105°	151	150	151	150	151	137
115°	279	281	279	281	279	277
125°	399	399	399	399	399	355
135°	496	498	496	498	496	383
145°	576	578	576	578	576	360
155°	631	636	631	636	631	291
165°	667	671	667	671	667	188
175°	683	686	683	686	683	65
180°	686	686	686	686	686	



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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°	11.4	11.2	11.1	10.9	10.8	10.4	9.8	9.3	8.7	8.1	7.4
95°	10.7	10.7	10.7	10.7	10.7	10.4	9.8	9.3	8.7	8.1	12.4
97.5°	10.7	10.7	10.7	10.7	10.7	12.3	15.4	18.6	21.8	25.1	33.5
100°	10.7	11.1	11.6	12.0	12.5	21.1	38.0	54.8	71.7	88.5	88.1
102.5°	64.0	71.7	79.4	87.0	94.8	100.2	103.3	106.6	109.8	113.0	112.7
105°	151.1	151.2	151.3	151.4	151.6	151.6	151.6	151.6	151.6	151.6	151.6
107.5°	190.5	190.8	191.2	191.5	191.8	192.0	192.0	192.0	191.9	191.9	191.7
110°	217.8	217.7	217.5	217.4	217.3	217.4	217.8	218.1	218.5	218.7	218.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	242.2	242.4	242.5	242.6	242.8	243.1	243.5	244.0	244.4	244.8	244.7
115°	278.8	279.5	280.2	280.8	281.5	282.0	282.5	282.9	283.5	283.9	283.7
117.5°	317.9	318.2	318.4	318.8	319.1	319.5	320.0	320.7	321.3	321.8	321.4
120°	341.9	342.4	343.0	343.6	344.1	344.6	344.7	345.0	345.2	345.4	345.1
122.5°	364.7	365.3	366.0	366.7	367.3	367.7	368.0	368.2	368.5	368.6	368.5
125°	399.4	399.8	400.0	400.4	400.7	401.1	401.5	402.1	402.5	403.0	403.0
127.5°	428.6	429.4	430.3	431.1	431.9	432.5	432.7	432.9	433.2	433.5	433.5
130°	449.8	450.3	450.8	451.5	452.0	452.5	452.8	453.2	453.4	453.8	453.7
132.5°	469.3	469.8	470.4	471.0	471.5	471.9	471.9	472.0	472.1	472.2	472.3
135°	496.1	496.7	497.4	498.1	498.7	499.2	499.4	499.6	499.9	500.1	500.3
137.5°	522.9	523.5	524.1	524.7	525.2	525.5	525.5	525.4	525.4	525.3	525.6
140°	538.8	539.5	540.1	540.8	541.4	541.7	541.4	541.3	541.0	540.8	540.9
142.5°	553.8	554.5	555.2	555.9	556.5	556.9	556.8	556.8	556.7	556.7	556.5
145°	575.9	576.6	577.3	577.9	578.6	578.9	578.8	578.7	578.5	578.5	578.5
147.5°	594.1	594.9	595.8	596.6	597.4	597.7	597.6	597.4	597.4	597.2	597.0
150°	605.9	606.8	607.7	608.7	609.6	609.8	609.7	609.4	609.2	608.9	608.8
152.5°	616.9	617.7	618.6	619.4	620.2	620.5	620.3	620.0	619.8	619.6	619.3
155°	631.3	632.3	633.2	634.1	635.0	635.3	634.9	634.6	634.3	633.9	633.6
157.5°	643.5	644.4	645.2	646.2	647.1	647.4	647.0	646.7	646.3	646.0	645.9
160°	651.2	652.1	653.0	653.9	654.8	655.1	654.6	654.2	653.7	653.3	653.1
162.5°	658.1	659.2	660.1	661.1	662.1	662.3	661.6	661.0	660.4	659.8	659.6
165°	667.4	668.4	669.3	670.2	671.1	671.2	670.6	669.9	669.1	668.5	668.4
167.5°	674.0	675.0	676.0	677.1	678.1	678.1	677.3	676.5	675.7	674.9	674.8
170°	677.7	678.7	679.7	680.7	681.7	681.8	680.9	680.0	679.0	678.1	678.1
172.5°	680.1	681.1	682.2	683.1	684.2	684.3	683.5	682.6	681.8	681.0	680.8
175°	683.2	684.3	685.3	686.3	687.3	687.4	686.4	685.5	684.7	683.8	683.7
177.5°	685.1	685.8	686.5	687.2	688.0	688.0	687.4	686.8	686.2	685.5	685.4
180°	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3



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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°	6.8	6.1	5.4	5.3	6.0	6.6	7.2	7.8	7.2	6.6	6.0
95°	16.8	21.0	25.3	27.6	28.0	28.4	28.6	29.0	28.6	28.4	28.0
97.5°	42.0	50.6	59.0	63.0	62.3	61.8	61.2	60.5	61.2	61.8	62.3
100°	87.7	87.2	86.7	86.3	86.0	85.6	85.3	85.0	85.3	85.6	86.0
102.5°	112.4	112.1	111.8	111.5	111.1	110.7	110.2	109.8	110.2	110.7	111.1
105°	151.6	151.6	151.6	151.4	151.0	150.5	150.0	149.5	150.0	150.5	151.0
107.5°	191.5	191.2	191.0	190.9	190.9	190.9	190.9	190.9	190.9	190.9	190.9
110°	218.3	218.1	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8



TEST NUMBER: P333616-940

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	244.5	244.4	244.2	244.1	243.8	243.5	243.3	243.0	243.3	243.5	243.8
115°	283.7	283.6	283.5	283.1	282.5	282.0	281.4	280.8	281.4	282.0	282.5
117.5°	321.0	320.6	320.1	319.9	319.9	319.9	319.9	320.0	319.9	319.9	319.9
120°	344.7	344.5	344.1	343.9	344.1	344.2	344.3	344.5	344.3	344.2	344.1
122.5°	368.4	368.2	368.0	367.7	367.3	366.8	366.4	366.0	366.4	366.8	367.3
125°	403.0	403.0	403.0	402.5	401.7	400.9	400.2	399.4	400.2	400.9	401.7
127.5°	433.6	433.6	433.7	433.5	432.9	432.4	431.8	431.2	431.8	432.4	432.9
130°	453.6	453.4	453.3	453.0	452.5	451.9	451.3	450.8	451.3	451.9	452.5
132.5°	472.6	472.9	473.1	472.9	472.3	471.6	470.9	470.3	470.9	471.6	472.3
135°	500.5	500.8	501.1	500.8	500.1	499.4	498.7	498.1	498.7	499.4	500.1
137.5°	525.8	525.9	526.2	525.9	525.4	524.8	524.2	523.6	524.2	524.8	525.4
140°	541.0	541.2	541.3	541.2	541.0	540.7	540.6	540.3	540.6	540.7	541.0
142.5°	556.3	556.2	556.1	555.9	555.8	555.6	555.5	555.4	555.5	555.6	555.8
145°	578.5	578.5	578.5	578.4	578.1	577.9	577.7	577.5	577.7	577.9	578.1
147.5°	596.9	596.7	596.6	596.6	596.6	596.6	596.7	596.7	596.7	596.6	596.6
150°	608.5	608.3	608.1	608.1	608.3	608.5	608.8	608.9	608.8	608.5	608.3
152.5°	619.1	618.8	618.7	618.8	619.3	619.8	620.3	620.8	620.3	619.8	619.3
155°	633.5	633.2	633.0	633.2	633.9	634.6	635.3	636.0	635.3	634.6	633.9
157.5°	645.9	645.9	645.9	646.0	646.4	646.8	647.2	647.6	647.2	646.8	646.4
160°	653.0	652.9	652.8	653.1	653.7	654.4	655.1	655.8	655.1	654.4	653.7
162.5°	659.5	659.4	659.3	659.6	660.2	660.9	661.6	662.3	661.6	660.9	660.2
165°	668.2	668.2	668.1	668.3	669.1	669.7	670.4	671.0	670.4	669.7	669.1
167.5°	674.7	674.6	674.5	674.8	675.5	676.2	676.9	677.5	676.9	676.2	675.5
170°	678.0	677.8	677.7	678.1	678.9	679.7	680.5	681.3	680.5	679.7	678.9
172.5°	680.6	680.4	680.2	680.5	681.3	682.1	682.9	683.7	682.9	682.1	681.3
175°	683.6	683.4	683.3	683.6	684.3	684.9	685.6	686.3	685.6	684.9	684.3
177.5°	685.3	685.2	685.1	685.4	685.9	686.4	687.0	687.5	687.0	686.4	685.9
180°	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3



TEST NUMBER: P333616-940

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

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°	5.3	5.4	6.1	6.8	7.4	8.1	8.7	9.3	9.8	10.4	10.8
95°	27.6	25.3	21.0	16.8	12.4	8.1	8.7	9.3	9.8	10.4	10.7
97.5°	63.0	59.0	50.6	42.0	33.5	25.1	21.8	18.6	15.4	12.3	10.7
100°	86.3	86.7	87.2	87.7	88.1	88.5	71.7	54.8	38.0	21.1	12.5
102.5°	111.5	111.8	112.1	112.4	112.7	113.0	109.8	106.6	103.3	100.2	94.8
105°	151.4	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6	151.6
107.5°	190.9	191.0	191.2	191.5	191.7	191.9	191.9	192.0	192.0	192.0	191.8
110°	217.8	217.8	218.1	218.3	218.6	218.7	218.5	218.1	217.8	217.4	217.3



TEST NUMBER: P333616-940

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	244.1	244.2	244.4	244.5	244.7	244.8	244.4	244.0	243.5	243.1	242.8
115°	283.1	283.5	283.6	283.7	283.7	283.9	283.5	282.9	282.5	282.0	281.5
117.5°	319.9	320.1	320.6	321.0	321.4	321.8	321.3	320.7	320.0	319.5	319.1
120°	343.9	344.1	344.5	344.7	345.1	345.4	345.2	345.0	344.7	344.6	344.1
122.5°	367.7	368.0	368.2	368.4	368.5	368.6	368.5	368.2	368.0	367.7	367.3
125°	402.5	403.0	403.0	403.0	403.0	403.0	402.5	402.1	401.5	401.1	400.7
127.5°	433.5	433.7	433.6	433.6	433.5	433.5	433.2	432.9	432.7	432.5	431.9
130°	453.0	453.3	453.4	453.6	453.7	453.8	453.4	453.2	452.8	452.5	452.0
132.5°	472.9	473.1	472.9	472.6	472.3	472.2	472.1	472.0	471.9	471.9	471.5
135°	500.8	501.1	500.8	500.5	500.3	500.1	499.9	499.6	499.4	499.2	498.7
137.5°	525.9	526.2	525.9	525.8	525.6	525.3	525.4	525.4	525.5	525.5	525.2
140°	541.2	541.3	541.2	541.0	540.9	540.8	541.0	541.3	541.4	541.7	541.4
142.5°	555.9	556.1	556.2	556.3	556.5	556.7	556.7	556.8	556.8	556.9	556.5
145°	578.4	578.5	578.5	578.5	578.5	578.5	578.5	578.7	578.8	578.9	578.6
147.5°	596.6	596.6	596.7	596.9	597.0	597.2	597.4	597.4	597.6	597.7	597.4
150°	608.1	608.1	608.3	608.5	608.8	608.9	609.2	609.4	609.7	609.8	609.6
152.5°	618.8	618.7	618.8	619.1	619.3	619.6	619.8	620.0	620.3	620.5	620.2
155°	633.2	633.0	633.2	633.5	633.6	633.9	634.3	634.6	634.9	635.3	635.0
157.5°	646.0	645.9	645.9	645.9	645.9	646.0	646.3	646.7	647.0	647.4	647.1
160°	653.1	652.8	652.9	653.0	653.1	653.3	653.7	654.2	654.6	655.1	654.8
162.5°	659.6	659.3	659.4	659.5	659.6	659.8	660.4	661.0	661.6	662.3	662.1
165°	668.3	668.1	668.2	668.2	668.4	668.5	669.1	669.9	670.6	671.2	671.1
167.5°	674.8	674.5	674.6	674.7	674.8	674.9	675.7	676.5	677.3	678.1	678.1
170°	678.1	677.7	677.8	678.0	678.1	678.1	679.0	680.0	680.9	681.8	681.7
172.5°	680.5	680.2	680.4	680.6	680.8	681.0	681.8	682.6	683.5	684.3	684.2
175°	683.6	683.3	683.4	683.6	683.7	683.8	684.7	685.5	686.4	687.4	687.3
177.5°	685.4	685.1	685.2	685.3	685.4	685.5	686.2	686.8	687.4	688.0	688.0
180°	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3



TEST NUMBER: P333616-940

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

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°	10.9	11.1	11.2	11.4	11.2	11.1	10.9	10.8	10.4	9.8	9.3
95°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.4	9.8	9.3
97.5°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	12.3	15.4	18.6
100°	12.0	11.6	11.1	10.7	11.1	11.6	12.0	12.5	21.1	38.0	54.8
102.5°	87.0	79.4	71.7	64.0	71.7	79.4	87.0	94.8	100.2	103.3	106.6
105°	151.4	151.3	151.2	151.1	151.2	151.3	151.4	151.6	151.6	151.6	151.6
107.5°	191.5	191.2	190.8	190.5	190.8	191.2	191.5	191.8	192.0	192.0	192.0
110°	217.4	217.5	217.7	217.8	217.7	217.5	217.4	217.3	217.4	217.8	218.1



TEST NUMBER: P333616-940

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	242.6	242.5	242.4	242.2	242.4	242.5	242.6	242.8	243.1	243.5	244.0
115°	280.8	280.2	279.5	278.8	279.5	280.2	280.8	281.5	282.0	282.5	282.9
117.5°	318.8	318.4	318.2	317.9	318.2	318.4	318.8	319.1	319.5	320.0	320.7
120°	343.6	343.0	342.4	341.9	342.4	343.0	343.6	344.1	344.6	344.7	345.0
122.5°	366.7	366.0	365.3	364.7	365.3	366.0	366.7	367.3	367.7	368.0	368.2
125°	400.4	400.0	399.8	399.4	399.8	400.0	400.4	400.7	401.1	401.5	402.1
127.5°	431.1	430.3	429.4	428.6	429.4	430.3	431.1	431.9	432.5	432.7	432.9
130°	451.5	450.8	450.3	449.8	450.3	450.8	451.5	452.0	452.5	452.8	453.2
132.5°	471.0	470.4	469.8	469.3	469.8	470.4	471.0	471.5	471.9	471.9	472.0
135°	498.1	497.4	496.7	496.1	496.7	497.4	498.1	498.7	499.2	499.4	499.6
137.5°	524.7	524.1	523.5	522.9	523.5	524.1	524.7	525.2	525.5	525.5	525.4
140°	540.8	540.1	539.5	538.8	539.5	540.1	540.8	541.4	541.7	541.4	541.3
142.5°	555.9	555.2	554.5	553.8	554.5	555.2	555.9	556.5	556.9	556.8	556.8
145°	577.9	577.3	576.6	575.9	576.6	577.3	577.9	578.6	578.9	578.8	578.7
147.5°	596.6	595.8	594.9	594.1	594.9	595.8	596.6	597.4	597.7	597.6	597.4
150°	608.7	607.7	606.8	605.9	606.8	607.7	608.7	609.6	609.8	609.7	609.4
152.5°	619.4	618.6	617.7	616.9	617.7	618.6	619.4	620.2	620.5	620.3	620.0
155°	634.1	633.2	632.3	631.3	632.3	633.2	634.1	635.0	635.3	634.9	634.6
157.5°	646.2	645.2	644.4	643.5	644.4	645.2	646.2	647.1	647.4	647.0	646.7
160°	653.9	653.0	652.1	651.2	652.1	653.0	653.9	654.8	655.1	654.6	654.2
162.5°	661.1	660.1	659.2	658.1	659.2	660.1	661.1	662.1	662.3	661.6	661.0
165°	670.2	669.3	668.4	667.4	668.4	669.3	670.2	671.1	671.2	670.6	669.9
167.5°	677.1	676.0	675.0	674.0	675.0	676.0	677.1	678.1	678.1	677.3	676.5
170°	680.7	679.7	678.7	677.7	678.7	679.7	680.7	681.7	681.8	680.9	680.0
172.5°	683.1	682.2	681.1	680.1	681.1	682.2	683.1	684.2	684.3	683.5	682.6
175°	686.3	685.3	684.3	683.2	684.3	685.3	686.3	687.3	687.4	686.4	685.5
177.5°	687.2	686.5	685.8	685.1	685.8	686.5	687.2	688.0	688.0	687.4	686.8
180°	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3



TEST NUMBER: P333616-940

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

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°	8.7	8.1	7.4	6.8	6.1	5.4	5.3	6.0	6.6	7.2	7.8
95°	8.7	8.1	12.4	16.8	21.0	25.3	27.6	28.0	28.4	28.6	29.0
97.5°	21.8	25.1	33.5	42.0	50.6	59.0	63.0	62.3	61.8	61.2	60.5
100°	71.7	88.5	88.1	87.7	87.2	86.7	86.3	86.0	85.6	85.3	85.0
102.5°	109.8	113.0	112.7	112.4	112.1	111.8	111.5	111.1	110.7	110.2	109.8
105°	151.6	151.6	151.6	151.6	151.6	151.6	151.4	151.0	150.5	150.0	149.5
107.5°	191.9	191.9	191.7	191.5	191.2	191.0	190.9	190.9	190.9	190.9	190.9
110°	218.5	218.7	218.6	218.3	218.1	217.8	217.8	217.8	217.8	217.8	217.8



TEST NUMBER: P333616-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	244.4	244.8	244.7	244.5	244.4	244.2	244.1	243.8	243.5	243.3	243.0
115°	283.5	283.9	283.7	283.7	283.6	283.5	283.1	282.5	282.0	281.4	280.8
117.5°	321.3	321.8	321.4	321.0	320.6	320.1	319.9	319.9	319.9	319.9	320.0
120°	345.2	345.4	345.1	344.7	344.5	344.1	343.9	344.1	344.2	344.3	344.5
122.5°	368.5	368.6	368.5	368.4	368.2	368.0	367.7	367.3	366.8	366.4	366.0
125°	402.5	403.0	403.0	403.0	403.0	403.0	402.5	401.7	400.9	400.2	399.4
127.5°	433.2	433.5	433.5	433.6	433.6	433.7	433.5	432.9	432.4	431.8	431.2
130°	453.4	453.8	453.7	453.6	453.4	453.3	453.0	452.5	451.9	451.3	450.8
132.5°	472.1	472.2	472.3	472.6	472.9	473.1	472.9	472.3	471.6	470.9	470.3
135°	499.9	500.1	500.3	500.5	500.8	501.1	500.8	500.1	499.4	498.7	498.1
137.5°	525.4	525.3	525.6	525.8	525.9	526.2	525.9	525.4	524.8	524.2	523.6
140°	541.0	540.8	540.9	541.0	541.2	541.3	541.2	541.0	540.7	540.6	540.3
142.5°	556.7	556.7	556.5	556.3	556.2	556.1	555.9	555.8	555.6	555.5	555.4
145°	578.5	578.5	578.5	578.5	578.5	578.5	578.4	578.1	577.9	577.7	577.5
147.5°	597.4	597.2	597.0	596.9	596.7	596.6	596.6	596.6	596.6	596.7	596.7
150°	609.2	608.9	608.8	608.5	608.3	608.1	608.1	608.3	608.5	608.8	608.9
152.5°	619.8	619.6	619.3	619.1	618.8	618.7	618.8	619.3	619.8	620.3	620.8
155°	634.3	633.9	633.6	633.5	633.2	633.0	633.2	633.9	634.6	635.3	636.0
157.5°	646.3	646.0	645.9	645.9	645.9	645.9	646.0	646.4	646.8	647.2	647.6
160°	653.7	653.3	653.1	653.0	652.9	652.8	653.1	653.7	654.4	655.1	655.8
162.5°	660.4	659.8	659.6	659.5	659.4	659.3	659.6	660.2	660.9	661.6	662.3
165°	669.1	668.5	668.4	668.2	668.2	668.1	668.3	669.1	669.7	670.4	671.0
167.5°	675.7	674.9	674.8	674.7	674.6	674.5	674.8	675.5	676.2	676.9	677.5
170°	679.0	678.1	678.1	678.0	677.8	677.7	678.1	678.9	679.7	680.5	681.3
172.5°	681.8	681.0	680.8	680.6	680.4	680.2	680.5	681.3	682.1	682.9	683.7
175°	684.7	683.8	683.7	683.6	683.4	683.3	683.6	684.3	684.9	685.6	686.3
177.5°	686.2	685.5	685.4	685.3	685.2	685.1	685.4	685.9	686.4	687.0	687.5
180°	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3



TEST NUMBER: P333616-940

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

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°	7.2	6.6	6.0	5.3	5.4	6.1	6.8	7.4	8.1	8.7	9.3
95°	28.6	28.4	28.0	27.6	25.3	21.0	16.8	12.4	8.1	8.7	9.3
97.5°	61.2	61.8	62.3	63.0	59.0	50.6	42.0	33.5	25.1	21.8	18.6
100°	85.3	85.6	86.0	86.3	86.7	87.2	87.7	88.1	88.5	71.7	54.8
102.5°	110.2	110.7	111.1	111.5	111.8	112.1	112.4	112.7	113.0	109.8	106.6
105°	150.0	150.5	151.0	151.4	151.6	151.6	151.6	151.6	151.6	151.6	151.6
107.5°	190.9	190.9	190.9	190.9	191.0	191.2	191.5	191.7	191.9	191.9	192.0
110°	217.8	217.8	217.8	217.8	217.8	218.1	218.3	218.6	218.7	218.5	218.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	243.3	243.5	243.8	244.1	244.2	244.4	244.5	244.7	244.8	244.4	244.0
115°	281.4	282.0	282.5	283.1	283.5	283.6	283.7	283.7	283.9	283.5	282.9
117.5°	319.9	319.9	319.9	319.9	320.1	320.6	321.0	321.4	321.8	321.3	320.7
120°	344.3	344.2	344.1	343.9	344.1	344.5	344.7	345.1	345.4	345.2	345.0
122.5°	366.4	366.8	367.3	367.7	368.0	368.2	368.4	368.5	368.6	368.5	368.2
125°	400.2	400.9	401.7	402.5	403.0	403.0	403.0	403.0	403.0	402.5	402.1
127.5°	431.8	432.4	432.9	433.5	433.7	433.6	433.6	433.5	433.5	433.2	432.9
130°	451.3	451.9	452.5	453.0	453.3	453.4	453.6	453.7	453.8	453.4	453.2
132.5°	470.9	471.6	472.3	472.9	473.1	472.9	472.6	472.3	472.2	472.1	472.0
135°	498.7	499.4	500.1	500.8	501.1	500.8	500.5	500.3	500.1	499.9	499.6
137.5°	524.2	524.8	525.4	525.9	526.2	525.9	525.8	525.6	525.3	525.4	525.4
140°	540.6	540.7	541.0	541.2	541.3	541.2	541.0	540.9	540.8	541.0	541.3
142.5°	555.5	555.6	555.8	555.9	556.1	556.2	556.3	556.5	556.7	556.7	556.8
145°	577.7	577.9	578.1	578.4	578.5	578.5	578.5	578.5	578.5	578.5	578.7
147.5°	596.7	596.6	596.6	596.6	596.6	596.7	596.9	597.0	597.2	597.4	597.4
150°	608.8	608.5	608.3	608.1	608.1	608.3	608.5	608.8	608.9	609.2	609.4
152.5°	620.3	619.8	619.3	618.8	618.7	618.8	619.1	619.3	619.6	619.8	620.0
155°	635.3	634.6	633.9	633.2	633.0	633.2	633.5	633.6	633.9	634.3	634.6
157.5°	647.2	646.8	646.4	646.0	645.9	645.9	645.9	645.9	646.0	646.3	646.7
160°	655.1	654.4	653.7	653.1	652.8	652.9	653.0	653.1	653.3	653.7	654.2
162.5°	661.6	660.9	660.2	659.6	659.3	659.4	659.5	659.6	659.8	660.4	661.0
165°	670.4	669.7	669.1	668.3	668.1	668.2	668.2	668.4	668.5	669.1	669.9
167.5°	676.9	676.2	675.5	674.8	674.5	674.6	674.7	674.8	674.9	675.7	676.5
170°	680.5	679.7	678.9	678.1	677.7	677.8	678.0	678.1	678.1	679.0	680.0
172.5°	682.9	682.1	681.3	680.5	680.2	680.4	680.6	680.8	681.0	681.8	682.6
175°	685.6	684.9	684.3	683.6	683.3	683.4	683.6	683.7	683.8	684.7	685.5
177.5°	687.0	686.4	685.9	685.4	685.1	685.2	685.3	685.4	685.5	686.2	686.8
180°	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3	686.3



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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°	9.8	10.4	10.8	10.9	11.1	11.2	11.4
95°	9.8	10.4	10.7	10.7	10.7	10.7	10.7
97.5°	15.4	12.3	10.7	10.7	10.7	10.7	10.7
100°	38.0	21.1	12.5	12.0	11.6	11.1	10.7
102.5°	103.3	100.2	94.8	87.0	79.4	71.7	64.0
105°	151.6	151.6	151.6	151.4	151.3	151.2	151.1
107.5°	192.0	192.0	191.8	191.5	191.2	190.8	190.5
110°	217.8	217.4	217.3	217.4	217.5	217.7	217.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	243.5	243.1	242.8	242.6	242.5	242.4	242.2
115°	282.5	282.0	281.5	280.8	280.2	279.5	278.8
117.5°	320.0	319.5	319.1	318.8	318.4	318.2	317.9
120°	344.7	344.6	344.1	343.6	343.0	342.4	341.9
122.5°	368.0	367.7	367.3	366.7	366.0	365.3	364.7
125°	401.5	401.1	400.7	400.4	400.0	399.8	399.4
127.5°	432.7	432.5	431.9	431.1	430.3	429.4	428.6
130°	452.8	452.5	452.0	451.5	450.8	450.3	449.8
132.5°	471.9	471.9	471.5	471.0	470.4	469.8	469.3
135°	499.4	499.2	498.7	498.1	497.4	496.7	496.1
137.5°	525.5	525.5	525.2	524.7	524.1	523.5	522.9
140°	541.4	541.7	541.4	540.8	540.1	539.5	538.8
142.5°	556.8	556.9	556.5	555.9	555.2	554.5	553.8
145°	578.8	578.9	578.6	577.9	577.3	576.6	575.9
147.5°	597.6	597.7	597.4	596.6	595.8	594.9	594.1
150°	609.7	609.8	609.6	608.7	607.7	606.8	605.9
152.5°	620.3	620.5	620.2	619.4	618.6	617.7	616.9
155°	634.9	635.3	635.0	634.1	633.2	632.3	631.3
157.5°	647.0	647.4	647.1	646.2	645.2	644.4	643.5
160°	654.6	655.1	654.8	653.9	653.0	652.1	651.2
162.5°	661.6	662.3	662.1	661.1	660.1	659.2	658.1
165°	670.6	671.2	671.1	670.2	669.3	668.4	667.4
167.5°	677.3	678.1	678.1	677.1	676.0	675.0	674.0
170°	680.9	681.8	681.7	680.7	679.7	678.7	677.7
172.5°	683.5	684.3	684.2	683.1	682.2	681.1	680.1
175°	686.4	687.4	687.3	686.3	685.3	684.3	683.2
177.5°	687.4	688.0	688.0	687.2	686.5	685.8	685.1
180°	686.3	686.3	686.3	686.3	686.3	686.3	686.3

(END OF REPORT)