

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: P333586-840

Luminaire Tested: **S125RDIP-S1090D590U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333586-840
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-S1090D590U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 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: 6690.2 lumens
Efficiency: N/A
Efficacy: 137.1 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

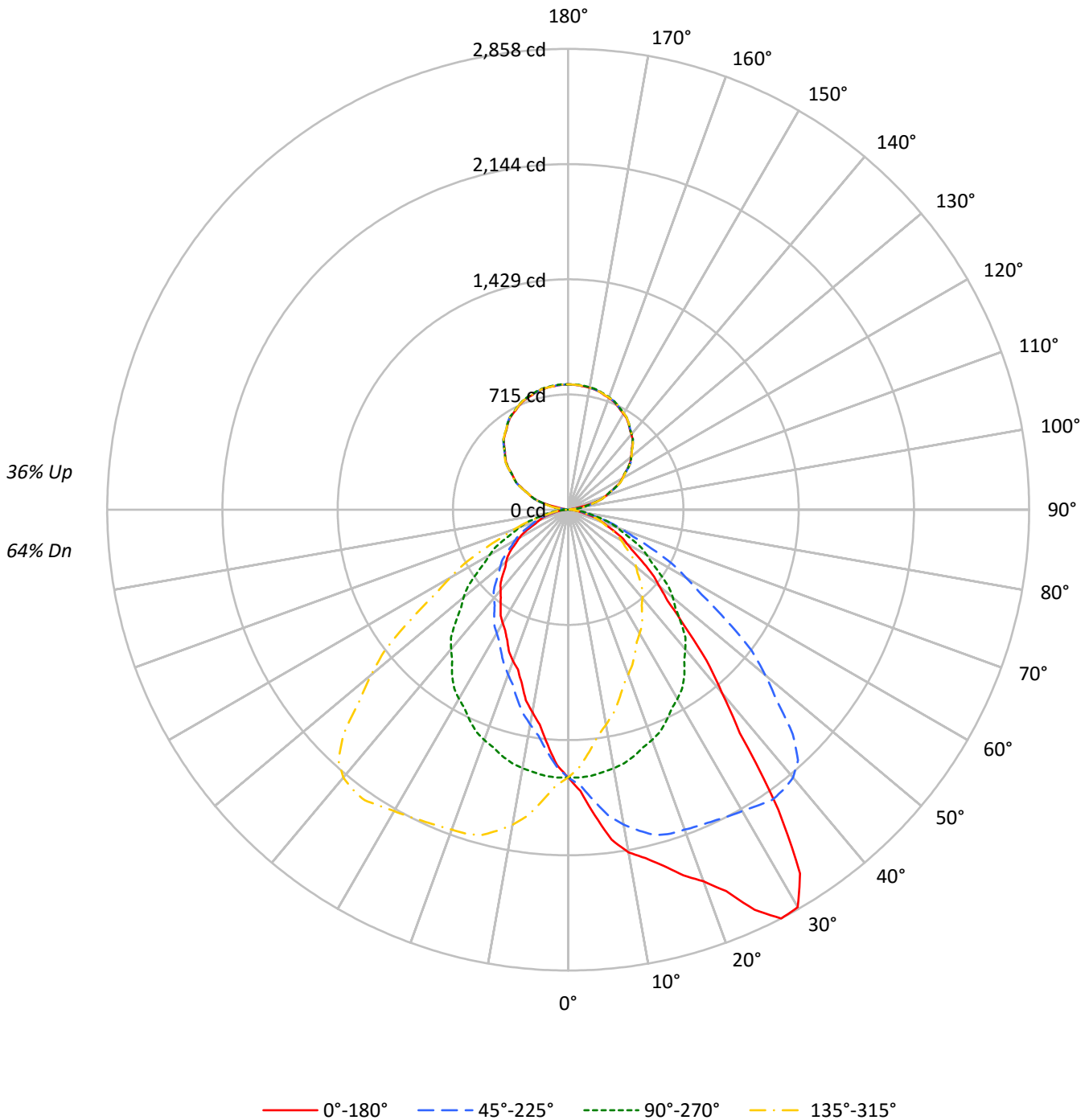
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	91	91	91	80	80	80	69	69	69	64
1	102	97	94	90	95	92	88	85	81	79	76	71	69	68	62	61	60	55
2	93	86	80	75	87	81	75	71	72	68	64	63	60	57	55	53	51	47
3	85	76	68	63	80	71	65	60	64	59	54	56	52	49	49	46	44	40
4	78	67	59	53	73	64	57	51	57	51	47	50	46	42	44	41	38	35
5	72	60	52	46	67	57	50	44	51	45	41	45	41	37	40	36	34	31
6	66	54	46	40	62	51	44	39	46	40	36	41	36	33	37	33	30	27
7	61	49	41	36	58	47	39	34	42	36	32	38	33	29	33	29	26	24
8	57	45	37	32	54	43	35	30	38	32	28	34	30	26	31	27	24	22
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	22	19
10	50	38	30	25	47	36	29	25	33	27	23	29	25	21	26	22	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10723	10723	10723	10723
5°	12337	10738	9483	10738
10°	14152	10683	8368	10683
15°	15285	10573	7438	10573
20°	16855	10446	6868	10446
25°	19506	10278	6372	10278
30°	21227	10100	6049	10100
35°	17906	9894	5750	9894
40°	12505	9522	5493	9522
45°	9276	9020	5242	9020
50°	7396	8499	5027	8499
55°	6277	7851	4835	7851
60°	5424	7272	4525	7272
65°	4834	6645	3895	6645
70°	4247	6086	3552	6086
75°	3673	5273	3334	5273
80°	2786	4437	2786	4437
85°	2319	3490	2623	3490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	2.4
10°-20°	466.6	7.0
20°-30°	739.8	11.1
30°-40°	892.2	13.3
40°-50°	796.7	11.9
50°-60°	611.0	9.1
60°-70°	397.1	5.9
70°-80°	193.0	2.9
80°-90°	47.7	0.7
90°-100°	28.3	0.4
100°-110°	174.1	2.6
110°-120°	315.7	4.7
120°-130°	405.2	6.1
130°-140°	435.8	6.5
140°-150°	409.1	6.1
150°-160°	330.9	4.9
160°-170°	214.0	3.2
170°-180°	73.8	1.1
0°-30°	1365.7	20.4
0°-40°	2257.9	33.7
0°-60°	3665.6	54.8
0°-90°	4303.4	64.3
90°-120°	518.0	7.7
90°-150°	1768.1	26.4
90°-180°	2387.0	35.7
0°-180°	6690.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1660	1660	1660	1660	1660	
5°	1903	1656	1463	1656	1903	190
15°	2286	1581	1112	1581	2286	655
25°	2737	1442	894	1442	2737	1257
35°	2271	1255	729	1255	2271	1372
45°	1016	988	574	988	1016	810
55°	558	697	429	697	558	506
65°	316	435	255	435	316	315
75°	147	211	134	211	147	157
85°	31	47	35	47	31	36
90°	14	1	14	1	14	8
95°	12	33	12	33	12	10
105°	171	169	171	169	171	155
115°	316	318	316	318	316	313
125°	452	452	452	452	452	402
135°	562	564	562	564	562	434
145°	652	654	652	654	652	407
155°	715	720	715	720	715	330
165°	756	760	756	760	756	213
175°	774	777	774	777	774	74
180°	777	777	777	777	777	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1746.6	1745.5	1747.7	1741.6	1742.2	1732.9	1732.9	1725.9	1716.6	1709.5	1706.2
5°	1903.0	1904.4	1901.7	1891.5	1884.6	1874.4	1862.8	1842.4	1825.3	1809.0	1796.0
7.5°	2064.2	2065.1	2056.1	2053.0	2035.8	2023.3	1997.5	1969.6	1945.0	1913.7	1889.7
10°	2158.0	2157.3	2147.7	2140.2	2125.3	2106.2	2080.9	2048.2	2017.5	1983.5	1950.8
12.5°	2212.5	2210.7	2207.7	2198.6	2184.6	2167.8	2146.4	2114.2	2076.4	2039.1	2000.9
15°	2286.1	2281.3	2272.5	2260.9	2241.1	2221.3	2197.5	2168.9	2132.7	2090.4	2055.1
17.5°	2377.1	2377.3	2363.7	2347.5	2320.7	2285.8	2249.0	2202.8	2153.7	2107.3	2069.5
20°	2452.4	2450.3	2436.7	2405.4	2374.7	2331.1	2288.9	2232.2	2172.2	2111.6	2064.6
22.5°	2560.4	2555.1	2540.8	2499.7	2452.2	2396.0	2331.4	2262.2	2189.7	2120.8	2059.1
25°	2737.3	2733.2	2705.2	2657.6	2590.8	2504.2	2419.6	2324.9	2220.7	2130.0	2055.1
27.5°	2858.3	2853.9	2833.2	2793.5	2731.9	2640.8	2526.4	2399.7	2269.6	2144.9	2036.8
30°	2846.4	2856.6	2853.9	2835.5	2789.1	2707.3	2601.7	2459.2	2304.5	2158.0	2029.1
32.5°	2675.1	2684.3	2708.3	2744.4	2747.1	2714.4	2635.4	2504.0	2343.8	2177.1	2023.2
35°	2271.1	2283.4	2329.8	2402.7	2498.1	2577.8	2594.1	2523.2	2379.4	2200.2	2014.2
37.5°	1746.0	1813.0	1852.1	1928.8	2073.1	2219.7	2360.8	2412.8	2351.5	2190.7	1999.5
40°	1483.2	1499.5	1569.0	1655.6	1777.0	1929.7	2130.7	2275.8	2280.7	2168.9	1976.6
42.5°	1269.4	1290.1	1337.9	1406.9	1510.9	1663.6	1871.2	2062.6	2151.4	2108.9	1946.6
45°	1015.6	1031.3	1066.0	1119.2	1198.9	1325.0	1503.6	1725.2	1901.0	1969.8	1866.2
47.5°	834.2	842.7	873.0	913.5	972.5	1064.4	1202.6	1394.9	1605.9	1753.7	1739.2
50°	736.1	745.7	768.8	799.5	849.3	927.0	1037.4	1197.6	1415.0	1595.6	1631.7
52.5°	659.7	667.7	682.2	711.1	752.2	811.9	901.1	1046.0	1241.6	1433.7	1517.2
55°	557.5	563.0	574.6	591.0	623.7	666.6	743.7	843.8	1002.0	1195.5	1318.2
57.5°	473.3	476.1	483.4	498.6	521.2	552.5	608.1	693.1	806.5	980.8	1116.2
60°	419.9	422.6	432.1	442.3	460.1	488.7	532.3	591.6	700.6	844.6	981.5
62.5°	377.3	379.0	383.0	393.2	408.8	430.9	465.2	513.6	600.4	726.7	856.1
65°	316.3	316.9	318.3	326.5	336.0	352.3	374.9	409.0	474.4	569.9	684.3
67.5°	257.6	258.6	263.4	266.2	276.2	284.8	298.0	324.1	370.1	434.4	523.5
70°	224.9	224.3	229.0	232.5	235.8	246.1	254.9	276.1	304.7	353.8	428.1
72.5°	194.4	192.6	194.7	195.9	200.4	207.3	216.2	229.1	251.3	285.1	341.9
75°	147.2	147.9	147.9	149.3	152.7	155.4	158.1	164.9	177.2	199.8	230.4
77.5°	103.3	102.2	105.1	105.5	107.6	110.6	112.9	115.6	120.7	129.9	145.7
80°	74.9	74.9	75.6	77.7	77.1	78.4	81.8	84.5	90.7	96.1	101.6
82.5°	57.6	57.0	57.7	58.1	58.0	59.3	60.5	61.1	63.4	66.1	69.9
85°	31.3	31.3	32.0	32.0	32.7	32.7	33.4	33.4	33.4	34.0	34.7
87.5°	14.7	14.1	13.5	13.4	13.9	14.9	14.2	13.5	13.4	13.3	13.6
90°	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5	9.9	9.2	8.3
92.5°	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5	9.9	9.2	8.4
95°	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5	9.9	9.2	14.0
97.5°	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1	24.7	28.4	38.0
100°	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1	81.2	100.3	99.8
102.5°	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7	124.3	127.9	127.6
105°	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4	217.3	217.3	217.1
110°	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0	247.4	247.7	247.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3	276.8	277.2	277.1
115°	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4	321.0	321.5	321.3
117.5°	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1	363.9	364.5	364.0
120°	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7	390.9	391.2	390.8
122.5°	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0	417.3	417.5	417.3
125°	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3	455.9	456.4	456.4
127.5°	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3	490.6	490.9	491.0
130°	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2	513.5	513.9	513.8
132.5°	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5	534.6	534.7	534.9
135°	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8	566.1	566.3	566.6
137.5°	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0	595.0	594.9	595.2
140°	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0	612.7	612.5	612.6
142.5°	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6	630.5	630.5	630.3
145°	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4	655.2	655.1	655.1
147.5°	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6	676.5	676.3	676.1
150°	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1	689.9	689.6	689.4
152.5°	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2	702.0	701.7	701.4
155°	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7	718.3	717.9	717.6
157.5°	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4	732.0	731.5	731.4
160°	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8	740.3	739.8	739.6
162.5°	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6	747.9	747.2	747.0
165°	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6	757.8	757.1	757.0
167.5°	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2	765.3	764.4	764.2
170°	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1	769.0	768.0	767.9
172.5°	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1	772.1	771.2	771.0
175°	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4	775.4	774.4	774.3
177.5°	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8	777.1	776.3	776.2
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1706.2	1702.3	1695.3	1688.7	1680.5	1673.4	1668.6	1662.5	1655.0	1645.7	1638.0
5°	1781.7	1766.7	1747.0	1729.9	1708.1	1691.0	1673.3	1656.3	1639.2	1617.4	1598.3
7.5°	1865.4	1834.4	1804.3	1766.5	1732.1	1701.4	1671.9	1642.1	1613.0	1582.0	1552.2
10°	1916.6	1879.2	1837.6	1789.9	1746.3	1704.7	1666.5	1629.0	1589.5	1554.7	1517.2
12.5°	1964.7	1916.2	1868.7	1808.5	1756.1	1705.3	1656.7	1609.9	1567.7	1522.6	1482.4
15°	2008.0	1960.2	1907.1	1833.5	1760.6	1699.2	1641.9	1581.3	1528.8	1478.3	1433.4
17.5°	2024.8	1974.7	1913.0	1842.2	1762.5	1685.4	1611.5	1545.1	1483.3	1424.5	1373.9
20°	2018.2	1969.8	1906.4	1839.0	1753.7	1673.3	1593.6	1519.9	1451.2	1389.1	1335.2
22.5°	2002.4	1952.4	1891.2	1819.9	1739.0	1653.7	1568.5	1490.0	1417.9	1353.6	1294.9
25°	1978.7	1910.6	1847.9	1778.3	1701.3	1616.8	1528.8	1442.3	1365.2	1299.8	1235.8
27.5°	1954.0	1869.0	1789.2	1720.1	1638.7	1563.3	1478.5	1389.8	1308.8	1242.1	1176.4
30°	1931.7	1836.2	1748.3	1669.9	1592.9	1521.4	1440.9	1354.3	1271.2	1202.3	1135.6
32.5°	1903.8	1802.4	1705.8	1615.4	1541.1	1470.1	1397.2	1314.5	1233.6	1162.6	1094.7
35°	1869.0	1739.5	1634.5	1538.3	1455.9	1387.0	1321.6	1254.9	1173.8	1100.1	1034.0
37.5°	1823.1	1676.2	1554.7	1450.1	1363.0	1293.9	1242.2	1181.2	1107.2	1036.7	975.3
40°	1795.3	1630.4	1497.4	1393.9	1302.5	1229.6	1181.2	1129.4	1062.0	995.8	934.4
42.5°	1758.3	1588.4	1439.7	1331.7	1239.8	1169.6	1120.6	1075.4	1018.9	956.5	890.8
45°	1685.6	1507.0	1350.9	1235.1	1142.4	1073.5	1027.8	987.6	944.7	887.5	830.2
47.5°	1590.9	1422.1	1258.8	1132.3	1041.5	977.5	933.2	901.5	870.8	822.1	766.5
50°	1515.2	1352.3	1192.8	1070.2	973.3	912.6	871.1	845.9	817.9	773.7	727.3
52.5°	1425.7	1280.3	1124.1	998.7	907.4	850.5	810.5	785.4	762.3	726.2	682.0
55°	1284.9	1157.4	1014.2	900.4	816.6	759.3	721.1	697.3	683.7	653.0	618.2
57.5°	1122.2	1030.9	904.6	794.9	720.7	664.2	636.2	615.9	600.5	578.9	554.3
60°	1008.8	944.7	831.5	727.3	659.1	605.2	580.1	563.0	548.7	530.3	511.2
62.5°	893.7	847.1	748.7	659.1	596.4	551.3	527.7	512.3	495.8	483.4	464.8
65°	739.5	697.9	629.8	559.6	501.7	465.5	448.5	434.8	424.6	411.0	398.1
67.5°	575.3	558.4	511.3	462.9	421.3	389.2	374.5	365.0	352.6	344.5	335.6
70°	474.4	466.3	432.8	400.8	361.9	340.1	326.5	322.3	307.4	299.2	293.1
72.5°	385.0	381.1	361.9	339.7	312.4	293.3	280.6	276.1	266.5	259.9	256.0
75°	263.8	265.2	261.8	247.4	237.2	224.9	214.0	211.3	204.5	199.0	195.6
77.5°	166.8	173.8	174.1	173.4	169.4	161.8	157.3	155.3	148.6	146.5	145.7
80°	114.5	122.0	128.9	128.2	126.7	124.7	121.3	119.3	115.8	113.8	112.5
82.5°	76.3	83.3	89.0	92.7	92.4	90.4	88.1	87.2	86.4	84.9	84.6
85°	36.2	37.5	39.5	44.3	47.7	48.4	47.7	47.1	44.9	45.6	46.4
87.5°	14.0	13.8	14.2	14.0	13.2	15.8	17.3	17.6	16.7	15.8	14.9
90°	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9	8.2	7.5	6.8
95°	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8	32.4	32.1	31.7
97.5°	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6	69.3	70.0	70.6
100°	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2	96.6	96.9	97.4
102.5°	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3	124.8	125.3	125.8
105°	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4	169.9	170.5	171.0
107.5°	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2
110°	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6



TEST NUMBER: P333586-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2	275.5	275.8	276.1
115°	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0	318.7	319.3	319.9
117.5°	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4	362.3	362.3	362.3
120°	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1	389.9	389.8	389.7
122.5°	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4	415.0	415.5	416.0
125°	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3	453.2	454.0	454.9
127.5°	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4	489.0	489.7	490.3
130°	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5	511.1	511.8	512.4
132.5°	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6	533.3	534.1	534.8
135°	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1	564.8	565.6	566.3
137.5°	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0	593.7	594.3	595.0
140°	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9	612.2	612.4	612.7
142.5°	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9	629.1	629.2	629.4
145°	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0	654.2	654.5	654.7
147.5°	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8	675.8	675.7	675.7
150°	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.4	689.1	688.9
152.5°	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1	702.5	702.0	701.4
155°	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2	719.4	718.7	717.9
157.5°	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5	733.0	732.6	732.1
160°	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7	741.9	741.1	740.3
162.5°	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0	749.3	748.5	747.7
165°	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9	759.2	758.4	757.7
167.5°	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3	766.6	765.8	765.0
170°	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5	770.6	769.7	768.8
172.5°	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3	773.4	772.4	771.5
175°	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3	776.5	775.7	775.0
177.5°	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6	778.0	777.4	776.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333586-840

CATALOG NUMBER: S125RDIP-S1090D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1632.5	1625.0	1619.5	1608.6	1600.9	1597.7	1591.6	1590.0	1596.0	1591.6	1591.1
5°	1584.1	1564.3	1548.6	1532.9	1515.9	1505.0	1488.6	1485.9	1481.8	1475.6	1474.3
7.5°	1525.8	1500.1	1479.9	1454.0	1431.5	1413.4	1392.9	1383.2	1378.0	1370.0	1359.4
10°	1486.5	1455.9	1428.7	1402.7	1374.8	1352.3	1331.8	1316.2	1306.0	1296.4	1292.3
12.5°	1447.8	1416.6	1381.7	1350.4	1319.2	1293.9	1271.3	1261.1	1249.8	1238.6	1229.1
15°	1387.8	1346.2	1308.0	1271.8	1245.3	1218.0	1196.2	1181.2	1164.2	1159.4	1141.0
17.5°	1323.9	1283.1	1238.5	1200.4	1169.6	1139.6	1115.6	1098.6	1085.8	1068.2	1059.8
20°	1284.1	1235.8	1192.1	1157.4	1123.3	1087.8	1063.3	1048.9	1036.7	1022.4	1015.6
22.5°	1241.6	1194.3	1149.6	1108.8	1074.2	1039.4	1021.9	1007.0	993.1	979.9	970.9
25°	1179.1	1131.5	1084.4	1042.2	1006.0	980.8	960.4	943.3	935.8	922.9	913.3
27.5°	1117.4	1066.7	1017.9	975.7	947.5	922.5	905.7	892.2	878.7	867.4	859.1
30°	1077.6	1025.8	972.6	939.3	909.3	885.3	867.0	854.0	843.8	833.6	827.5
32.5°	1037.8	984.4	937.2	901.1	872.7	852.1	833.1	820.8	810.0	798.7	791.4
35°	974.0	919.5	881.3	845.9	817.9	798.8	785.9	768.2	759.3	751.1	743.7
37.5°	914.7	864.0	822.7	791.6	767.3	748.4	731.6	722.1	711.1	703.8	697.5
40°	871.1	824.8	787.3	754.6	736.8	715.7	700.0	687.7	679.5	670.0	663.2
42.5°	831.8	788.7	752.3	722.9	700.8	683.0	667.8	655.6	645.2	638.4	632.7
45°	776.4	733.4	697.9	670.7	650.3	633.2	617.5	611.4	597.7	589.6	586.8
47.5°	718.9	680.5	646.3	621.2	600.3	584.1	569.4	556.8	549.4	541.3	536.9
50°	680.2	643.4	611.4	586.8	566.4	548.7	535.0	526.8	516.6	509.2	503.7
52.5°	641.6	607.4	575.4	552.0	534.2	516.5	501.3	493.1	483.4	478.6	474.8
55°	586.2	550.1	522.8	499.6	481.2	464.8	450.5	442.3	436.3	431.4	430.1
57.5°	523.5	494.8	469.5	448.6	429.5	414.1	401.6	393.8	388.4	387.7	383.6
60°	482.6	456.7	433.5	411.0	394.7	380.3	369.4	360.5	355.1	354.5	353.0
62.5°	441.7	416.9	395.4	375.6	360.8	347.1	336.7	326.8	323.5	320.1	317.1
65°	381.0	358.5	340.8	325.1	309.4	297.8	287.6	281.6	274.0	269.9	262.5
67.5°	321.4	304.0	287.0	273.8	261.5	250.4	242.0	232.9	227.8	224.5	219.0
70°	282.2	268.5	251.6	237.2	227.6	218.8	212.0	201.8	198.3	195.6	192.9
72.5°	245.1	233.1	218.8	207.2	197.6	189.3	181.5	176.6	173.3	170.6	169.0
75°	192.9	181.3	169.1	160.9	154.0	147.2	143.1	139.8	138.4	137.6	134.9
77.5°	141.7	135.5	125.7	119.2	114.6	111.9	108.3	106.4	106.3	103.3	102.4
80°	108.4	104.9	96.7	94.0	90.7	88.0	85.8	82.5	79.1	77.7	75.6
82.5°	80.6	77.2	73.9	69.5	66.7	65.0	63.0	61.7	62.2	60.3	59.3
85°	42.9	39.5	38.2	37.5	36.2	37.5	36.8	36.2	35.4	34.7	35.4
87.5°	14.5	14.7	14.4	15.7	14.2	14.9	15.0	14.6	14.7	14.9	14.4
90°	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5	11.1	11.8	12.3
92.5°	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5	11.1	11.8	12.2
95°	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5	11.1	11.8	12.1
97.5°	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1	17.5	13.9	12.1
100°	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1	43.0	23.9	14.1
102.5°	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7	117.0	113.5	107.3
105°	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4	217.4	217.4	217.2
110°	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0	246.6	246.2	246.1



TEST NUMBER: P333586-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3	275.8	275.3	275.0
115°	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4	319.9	319.4	318.8
117.5°	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1	362.4	361.8	361.3
120°	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7	390.4	390.2	389.7
122.5°	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0	416.8	416.5	416.0
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3	454.7	454.2	453.8
127.5°	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3	490.1	489.8	489.2
130°	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2	512.8	512.4	511.9
132.5°	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5	534.4	534.4	534.0
135°	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8	565.6	565.3	564.8
137.5°	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0	595.1	595.1	594.8
140°	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0	613.2	613.5	613.2
142.5°	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6	630.6	630.7	630.3
145°	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4	655.5	655.6	655.3
147.5°	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6	676.8	676.9	676.5
150°	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1	690.4	690.6	690.3
152.5°	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2	702.5	702.7	702.4
155°	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7	719.0	719.4	719.1
157.5°	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4	732.8	733.2	732.9
160°	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8	741.3	741.8	741.5
162.5°	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6	749.3	750.0	749.8
165°	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6	759.4	760.1	760.0
167.5°	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2	767.1	768.0	767.9
170°	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1	771.1	772.1	772.0
172.5°	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1	774.1	775.0	774.9
175°	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4	777.4	778.5	778.4
177.5°	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8	778.5	779.2	779.1
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333586-840

CATALOG NUMBER: S125RDIP-S1090D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1590.5	1584.6	1583.0	1585.1	1583.0	1584.6	1590.5	1591.1	1591.6	1596.0	1590.0
5°	1467.5	1460.7	1464.1	1462.7	1464.1	1460.7	1467.5	1474.3	1475.6	1481.8	1485.9
7.5°	1359.3	1350.8	1341.8	1344.6	1341.8	1350.8	1359.3	1359.4	1370.0	1378.0	1383.2
10°	1283.4	1276.7	1272.5	1276.0	1272.5	1276.7	1283.4	1292.3	1296.4	1306.0	1316.2
12.5°	1219.6	1215.6	1212.0	1210.5	1212.0	1215.6	1219.6	1229.1	1238.6	1249.8	1261.1
15°	1132.9	1124.7	1121.3	1112.4	1121.3	1124.7	1132.9	1141.0	1159.4	1164.2	1181.2
17.5°	1052.8	1050.1	1041.2	1037.4	1041.2	1050.1	1052.8	1059.8	1068.2	1085.8	1098.6
20°	1005.3	1002.6	993.8	999.3	993.8	1002.6	1005.3	1015.6	1022.4	1036.7	1048.9
22.5°	966.1	960.1	957.3	955.6	957.3	960.1	966.1	970.9	979.9	993.1	1007.0
25°	910.6	901.7	898.4	894.2	898.4	901.7	910.6	913.3	922.9	935.8	943.3
27.5°	855.3	850.5	846.0	845.0	846.0	850.5	855.3	859.1	867.4	878.7	892.2
30°	819.3	814.6	811.1	811.1	811.1	814.6	819.3	827.5	833.6	843.8	854.0
32.5°	787.1	783.5	780.0	779.5	780.0	783.5	787.1	791.4	798.7	810.0	820.8
35°	740.2	734.8	733.4	729.3	733.4	734.8	740.2	743.7	751.1	759.3	768.2
37.5°	691.6	687.0	686.9	686.5	686.9	687.0	691.6	697.5	703.8	711.1	722.1
40°	660.5	657.0	656.4	651.6	656.4	657.0	660.5	663.2	670.0	679.5	687.7
42.5°	627.2	625.4	623.1	621.1	623.1	625.4	627.2	632.7	638.4	645.2	655.6
45°	582.1	577.3	577.3	573.9	577.3	577.3	582.1	586.8	589.6	597.7	611.4
47.5°	535.4	531.8	532.2	528.7	532.2	531.8	535.4	536.9	541.3	549.4	556.8
50°	504.4	502.3	501.7	500.3	501.7	502.3	504.4	503.7	509.2	516.6	526.8
52.5°	473.3	472.3	474.9	471.9	474.9	472.3	473.3	474.8	478.6	483.4	493.1
55°	431.4	429.4	433.5	429.4	433.5	429.4	431.4	430.1	431.4	436.3	442.3
57.5°	383.3	381.4	385.1	383.0	385.1	381.4	383.3	383.6	387.7	388.4	393.8
60°	351.7	347.6	349.6	350.3	349.6	347.6	351.7	353.0	354.5	355.1	360.5
62.5°	314.1	311.6	313.2	310.0	313.2	311.6	314.1	317.1	320.1	323.5	326.8
65°	261.1	259.0	256.3	254.9	256.3	259.0	261.1	262.5	269.9	274.0	281.6
67.5°	219.3	214.4	214.3	215.4	214.3	214.4	219.3	219.0	224.5	227.8	232.9
70°	188.8	188.8	188.1	188.1	188.1	188.8	188.8	192.9	195.6	198.3	201.8
72.5°	167.5	167.0	165.7	165.2	165.7	167.0	167.5	169.0	170.6	173.3	176.6
75°	134.9	135.6	134.3	133.6	134.3	135.6	134.9	134.9	137.6	138.4	139.8
77.5°	99.7	96.7	98.3	96.7	98.3	96.7	99.7	102.4	103.3	106.3	106.4
80°	75.6	74.9	77.1	74.9	77.1	74.9	75.6	75.6	77.7	79.1	82.5
82.5°	59.9	59.2	60.1	58.6	60.1	59.2	59.9	59.3	60.3	62.2	61.7
85°	36.2	35.4	34.7	35.4	34.7	35.4	36.2	35.4	34.7	35.4	36.2
87.5°	15.0	14.6	14.6	14.7	14.6	14.6	15.0	14.4	14.9	14.7	14.6
90°	12.7	13.0	13.4	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5
92.5°	12.3	12.5	12.7	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5
95°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5
97.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1
100°	13.6	13.1	12.6	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1
102.5°	98.6	89.9	81.2	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7
105°	171.5	171.4	171.3	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7
107.5°	216.9	216.5	216.1	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4
110°	246.2	246.3	246.5	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0



TEST NUMBER: P333586-840

CATALOG NUMBER: S125RDIP-S1090D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	274.8	274.6	274.5	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3
115°	318.0	317.3	316.5	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4
117.5°	361.0	360.6	360.3	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1
120°	389.1	388.5	387.8	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7
122.5°	415.3	414.4	413.7	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0
125°	453.4	453.0	452.7	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3
127.5°	488.2	487.3	486.4	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3
130°	511.3	510.6	510.0	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2
132.5°	533.4	532.7	532.1	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5
135°	564.1	563.3	562.5	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8
137.5°	594.2	593.5	592.9	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0
140°	612.5	611.7	611.0	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0
142.5°	629.5	628.7	627.9	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6
145°	654.5	653.8	653.0	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4
147.5°	675.6	674.7	673.8	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6
150°	689.3	688.2	687.2	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1
152.5°	701.5	700.5	699.5	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2
155°	718.1	717.1	716.1	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7
157.5°	731.8	730.7	729.7	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4
160°	740.5	739.5	738.5	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8
162.5°	748.7	747.6	746.5	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6
165°	759.0	758.0	757.0	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6
167.5°	766.8	765.6	764.5	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2
170°	770.9	769.7	768.6	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1
172.5°	773.7	772.5	771.3	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1
175°	777.3	776.1	775.0	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4
177.5°	778.3	777.5	776.7	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333586-840

CATALOG NUMBER: S125RDIP-S1090D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1591.6	1597.7	1600.9	1608.6	1619.5	1625.0	1632.5	1638.0	1645.7	1655.0	1662.5
5°	1488.6	1505.0	1515.9	1532.9	1548.6	1564.3	1584.1	1598.3	1617.4	1639.2	1656.3
7.5°	1392.9	1413.4	1431.5	1454.0	1479.9	1500.1	1525.8	1552.2	1582.0	1613.0	1642.1
10°	1331.8	1352.3	1374.8	1402.7	1428.7	1455.9	1486.5	1517.2	1554.7	1589.5	1629.0
12.5°	1271.3	1293.9	1319.2	1350.4	1381.7	1416.6	1447.8	1482.4	1522.6	1567.7	1609.9
15°	1196.2	1218.0	1245.3	1271.8	1308.0	1346.2	1387.8	1433.4	1478.3	1528.8	1581.3
17.5°	1115.6	1139.6	1169.6	1200.4	1238.5	1283.1	1323.9	1373.9	1424.5	1483.3	1545.1
20°	1063.3	1087.8	1123.3	1157.4	1192.1	1235.8	1284.1	1335.2	1389.1	1451.2	1519.9
22.5°	1021.9	1039.4	1074.2	1108.8	1149.6	1194.3	1241.6	1294.9	1353.6	1417.9	1490.0
25°	960.4	980.8	1006.0	1042.2	1084.4	1131.5	1179.1	1235.8	1299.8	1365.2	1442.3
27.5°	905.7	922.5	947.5	975.7	1017.9	1066.7	1117.4	1176.4	1242.1	1308.8	1389.8
30°	867.0	885.3	909.3	939.3	972.6	1025.8	1077.6	1135.6	1202.3	1271.2	1354.3
32.5°	833.1	852.1	872.7	901.1	937.2	984.4	1037.8	1094.7	1162.6	1233.6	1314.5
35°	785.9	798.8	817.9	845.9	881.3	919.5	974.0	1034.0	1100.1	1173.8	1254.9
37.5°	731.6	748.4	767.3	791.6	822.7	864.0	914.7	975.3	1036.7	1107.2	1181.2
40°	700.0	715.7	736.8	754.6	787.3	824.8	871.1	934.4	995.8	1062.0	1129.4
42.5°	667.8	683.0	700.8	722.9	752.3	788.7	831.8	890.8	956.5	1018.9	1075.4
45°	617.5	633.2	650.3	670.7	697.9	733.4	776.4	830.2	887.5	944.7	987.6
47.5°	569.4	584.1	600.3	621.2	646.3	680.5	718.9	766.5	822.1	870.8	901.5
50°	535.0	548.7	566.4	586.8	611.4	643.4	680.2	727.3	773.7	817.9	845.9
52.5°	501.3	516.5	534.2	552.0	575.4	607.4	641.6	682.0	726.2	762.3	785.4
55°	450.5	464.8	481.2	499.6	522.8	550.1	586.2	618.2	653.0	683.7	697.3
57.5°	401.6	414.1	429.5	448.6	469.5	494.8	523.5	554.3	578.9	600.5	615.9
60°	369.4	380.3	394.7	411.0	433.5	456.7	482.6	511.2	530.3	548.7	563.0
62.5°	336.7	347.1	360.8	375.6	395.4	416.9	441.7	464.8	483.4	495.8	512.3
65°	287.6	297.8	309.4	325.1	340.8	358.5	381.0	398.1	411.0	424.6	434.8
67.5°	242.0	250.4	261.5	273.8	287.0	304.0	321.4	335.6	344.5	352.6	365.0
70°	212.0	218.8	227.6	237.2	251.6	268.5	282.2	293.1	299.2	307.4	322.3
72.5°	181.5	189.3	197.6	207.2	218.8	233.1	245.1	256.0	259.9	266.5	276.1
75°	143.1	147.2	154.0	160.9	169.1	181.3	192.9	195.6	199.0	204.5	211.3
77.5°	108.3	111.9	114.6	119.2	125.7	135.5	141.7	145.7	146.5	148.6	155.3
80°	85.8	88.0	90.7	94.0	96.7	104.9	108.4	112.5	113.8	115.8	119.3
82.5°	63.0	65.0	66.7	69.5	73.9	77.2	80.6	84.6	84.9	86.4	87.2
85°	36.8	37.5	36.2	37.5	38.2	39.5	42.9	46.4	45.6	44.9	47.1
87.5°	15.0	14.9	14.2	15.7	14.4	14.7	14.5	14.9	15.8	16.7	17.6
90°	9.9	9.2	8.3	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6
92.5°	9.9	9.2	8.4	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9
95°	9.9	9.2	14.0	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8
97.5°	24.7	28.4	38.0	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6
100°	81.2	100.3	99.8	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2
102.5°	124.3	127.9	127.6	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3
105°	171.7	171.7	171.7	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4
107.5°	217.3	217.3	217.1	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2
110°	247.4	247.7	247.5	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6



TEST NUMBER: P333586-840

CATALOG NUMBER: S125RDIP-S1090D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	276.8	277.2	277.1	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2
115°	321.0	321.5	321.3	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0
117.5°	363.9	364.5	364.0	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4
120°	390.9	391.2	390.8	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1
122.5°	417.3	417.5	417.3	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3
127.5°	490.6	490.9	491.0	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4
130°	513.5	513.9	513.8	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5
132.5°	534.6	534.7	534.9	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6
135°	566.1	566.3	566.6	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1
137.5°	595.0	594.9	595.2	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0
140°	612.7	612.5	612.6	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9
142.5°	630.5	630.5	630.3	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9
145°	655.2	655.1	655.1	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0
147.5°	676.5	676.3	676.1	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8
150°	689.9	689.6	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6
152.5°	702.0	701.7	701.4	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1
155°	718.3	717.9	717.6	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2
157.5°	732.0	731.5	731.4	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5
160°	740.3	739.8	739.6	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7
162.5°	747.9	747.2	747.0	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0
165°	757.8	757.1	757.0	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9
167.5°	765.3	764.4	764.2	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3
170°	769.0	768.0	767.9	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5
172.5°	772.1	771.2	771.0	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3
175°	775.4	774.4	774.3	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3
177.5°	777.1	776.3	776.2	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333586-840

CATALOG NUMBER: S125RDIP-S1090D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1668.6	1673.4	1680.5	1688.7	1695.3	1702.3	1706.2	1706.2	1709.5	1716.6	1725.9
5°	1673.3	1691.0	1708.1	1729.9	1747.0	1766.7	1781.7	1796.0	1809.0	1825.3	1842.4
7.5°	1671.9	1701.4	1732.1	1766.5	1804.3	1834.4	1865.4	1889.7	1913.7	1945.0	1969.6
10°	1666.5	1704.7	1746.3	1789.9	1837.6	1879.2	1916.6	1950.8	1983.5	2017.5	2048.2
12.5°	1656.7	1705.3	1756.1	1808.5	1868.7	1916.2	1964.7	2000.9	2039.1	2076.4	2114.2
15°	1641.9	1699.2	1760.6	1833.5	1907.1	1960.2	2008.0	2055.1	2090.4	2132.7	2168.9
17.5°	1611.5	1685.4	1762.5	1842.2	1913.0	1974.7	2024.8	2069.5	2107.3	2153.7	2202.8
20°	1593.6	1673.3	1753.7	1839.0	1906.4	1969.8	2018.2	2064.6	2111.6	2172.2	2232.2
22.5°	1568.5	1653.7	1739.0	1819.9	1891.2	1952.4	2002.4	2059.1	2120.8	2189.7	2262.2
25°	1528.8	1616.8	1701.3	1778.3	1847.9	1910.6	1978.7	2055.1	2130.0	2220.7	2324.9
27.5°	1478.5	1563.3	1638.7	1720.1	1789.2	1869.0	1954.0	2036.8	2144.9	2269.6	2399.7
30°	1440.9	1521.4	1592.9	1669.9	1748.3	1836.2	1931.7	2029.1	2158.0	2304.5	2459.2
32.5°	1397.2	1470.1	1541.1	1615.4	1705.8	1802.4	1903.8	2023.2	2177.1	2343.8	2504.0
35°	1321.6	1387.0	1455.9	1538.3	1634.5	1739.5	1869.0	2014.2	2200.2	2379.4	2523.2
37.5°	1242.2	1293.9	1363.0	1450.1	1554.7	1676.2	1823.1	1999.5	2190.7	2351.5	2412.8
40°	1181.2	1229.6	1302.5	1393.9	1497.4	1630.4	1795.3	1976.6	2168.9	2280.7	2275.8
42.5°	1120.6	1169.6	1239.8	1331.7	1439.7	1588.4	1758.3	1946.6	2108.9	2151.4	2062.6
45°	1027.8	1073.5	1142.4	1235.1	1350.9	1507.0	1685.6	1866.2	1969.8	1901.0	1725.2
47.5°	933.2	977.5	1041.5	1132.3	1258.8	1422.1	1590.9	1739.2	1753.7	1605.9	1394.9
50°	871.1	912.6	973.3	1070.2	1192.8	1352.3	1515.2	1631.7	1595.6	1415.0	1197.6
52.5°	810.5	850.5	907.4	998.7	1124.1	1280.3	1425.7	1517.2	1433.7	1241.6	1046.0
55°	721.1	759.3	816.6	900.4	1014.2	1157.4	1284.9	1318.2	1195.5	1002.0	843.8
57.5°	636.2	664.2	720.7	794.9	904.6	1030.9	1122.2	1116.2	980.8	806.5	693.1
60°	580.1	605.2	659.1	727.3	831.5	944.7	1008.8	981.5	844.6	700.6	591.6
62.5°	527.7	551.3	596.4	659.1	748.7	847.1	893.7	856.1	726.7	600.4	513.6
65°	448.5	465.5	501.7	559.6	629.8	697.9	739.5	684.3	569.9	474.4	409.0
67.5°	374.5	389.2	421.3	462.9	511.3	558.4	575.3	523.5	434.4	370.1	324.1
70°	326.5	340.1	361.9	400.8	432.8	466.3	474.4	428.1	353.8	304.7	276.1
72.5°	280.6	293.3	312.4	339.7	361.9	381.1	385.0	341.9	285.1	251.3	229.1
75°	214.0	224.9	237.2	247.4	261.8	265.2	263.8	230.4	199.8	177.2	164.9
77.5°	157.3	161.8	169.4	173.4	174.1	173.8	166.8	145.7	129.9	120.7	115.6
80°	121.3	124.7	126.7	128.2	128.9	122.0	114.5	101.6	96.1	90.7	84.5
82.5°	88.1	90.4	92.4	92.7	89.0	83.3	76.3	69.9	66.1	63.4	61.1
85°	47.7	48.4	47.7	44.3	39.5	37.5	36.2	34.7	34.0	33.4	33.4
87.5°	17.3	15.8	13.2	14.0	14.2	13.8	14.0	13.6	13.3	13.4	13.5
90°	1.6	2.6	3.6	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5
92.5°	8.2	7.5	6.8	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5
95°	32.4	32.1	31.7	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5
97.5°	69.3	70.0	70.6	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1
100°	96.6	96.9	97.4	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1
102.5°	124.8	125.3	125.8	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7
105°	169.9	170.5	171.0	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.2	216.2	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4
110°	246.6	246.6	246.6	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	275.5	275.8	276.1	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3
115°	318.7	319.3	319.9	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4
117.5°	362.3	362.3	362.3	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1
120°	389.9	389.8	389.7	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7
122.5°	415.0	415.5	416.0	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0
125°	453.2	454.0	454.9	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3
127.5°	489.0	489.7	490.3	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3
130°	511.1	511.8	512.4	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2
132.5°	533.3	534.1	534.8	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5
135°	564.8	565.6	566.3	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8
137.5°	593.7	594.3	595.0	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0
140°	612.2	612.4	612.7	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0
142.5°	629.1	629.2	629.4	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6
145°	654.2	654.5	654.7	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4
147.5°	675.8	675.7	675.7	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6
150°	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1
152.5°	702.5	702.0	701.4	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2
155°	719.4	718.7	717.9	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7
157.5°	733.0	732.6	732.1	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4
160°	741.9	741.1	740.3	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8
162.5°	749.3	748.5	747.7	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6
165°	759.2	758.4	757.7	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6
167.5°	766.6	765.8	765.0	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2
170°	770.6	769.7	768.8	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1
172.5°	773.4	772.4	771.5	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1
175°	776.5	775.7	775.0	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4
177.5°	778.0	777.4	776.8	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4	1660.4
2.5°	1732.9	1732.9	1742.2	1741.6	1747.7	1745.5	1746.6
5°	1862.8	1874.4	1884.6	1891.5	1901.7	1904.4	1903.0
7.5°	1997.5	2023.3	2035.8	2053.0	2056.1	2065.1	2064.2
10°	2080.9	2106.2	2125.3	2140.2	2147.7	2157.3	2158.0
12.5°	2146.4	2167.8	2184.6	2198.6	2207.7	2210.7	2212.5
15°	2197.5	2221.3	2241.1	2260.9	2272.5	2281.3	2286.1
17.5°	2249.0	2285.8	2320.7	2347.5	2363.7	2377.3	2377.1
20°	2288.9	2331.1	2374.7	2405.4	2436.7	2450.3	2452.4
22.5°	2331.4	2396.0	2452.2	2499.7	2540.8	2555.1	2560.4
25°	2419.6	2504.2	2590.8	2657.6	2705.2	2733.2	2737.3
27.5°	2526.4	2640.8	2731.9	2793.5	2833.2	2853.9	2858.3
30°	2601.7	2707.3	2789.1	2835.5	2853.9	2856.6	2846.4
32.5°	2635.4	2714.4	2747.1	2744.4	2708.3	2684.3	2675.1
35°	2594.1	2577.8	2498.1	2402.7	2329.8	2283.4	2271.1
37.5°	2360.8	2219.7	2073.1	1928.8	1852.1	1813.0	1746.0
40°	2130.7	1929.7	1777.0	1655.6	1569.0	1499.5	1483.2
42.5°	1871.2	1663.6	1510.9	1406.9	1337.9	1290.1	1269.4
45°	1503.6	1325.0	1198.9	1119.2	1066.0	1031.3	1015.6
47.5°	1202.6	1064.4	972.5	913.5	873.0	842.7	834.2
50°	1037.4	927.0	849.3	799.5	768.8	745.7	736.1
52.5°	901.1	811.9	752.2	711.1	682.2	667.7	659.7
55°	743.7	666.6	623.7	591.0	574.6	563.0	557.5
57.5°	608.1	552.5	521.2	498.6	483.4	476.1	473.3
60°	532.3	488.7	460.1	442.3	432.1	422.6	419.9
62.5°	465.2	430.9	408.8	393.2	383.0	379.0	377.3
65°	374.9	352.3	336.0	326.5	318.3	316.9	316.3
67.5°	298.0	284.8	276.2	266.2	263.4	258.6	257.6
70°	254.9	246.1	235.8	232.5	229.0	224.3	224.9
72.5°	216.2	207.3	200.4	195.9	194.7	192.6	194.4
75°	158.1	155.4	152.7	149.3	147.9	147.9	147.2
77.5°	112.9	110.6	107.6	105.5	105.1	102.2	103.3
80°	81.8	78.4	77.1	77.7	75.6	74.9	74.9
82.5°	60.5	59.3	58.0	58.1	57.7	57.0	57.6
85°	33.4	32.7	32.7	32.0	32.0	31.3	31.3
87.5°	14.2	14.9	13.9	13.4	13.5	14.1	14.7
90°	11.1	11.8	12.3	12.7	13.0	13.4	13.8
92.5°	11.1	11.8	12.2	12.3	12.5	12.7	12.9
95°	11.1	11.8	12.1	12.1	12.1	12.1	12.1
97.5°	17.5	13.9	12.1	12.1	12.1	12.1	12.1
100°	43.0	23.9	14.1	13.6	13.1	12.6	12.1
102.5°	117.0	113.5	107.3	98.6	89.9	81.2	72.5
105°	171.7	171.7	171.7	171.5	171.4	171.3	171.1
107.5°	217.4	217.4	217.2	216.9	216.5	216.1	215.7
110°	246.6	246.2	246.1	246.2	246.3	246.5	246.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	275.8	275.3	275.0	274.8	274.6	274.5	274.3
115°	319.9	319.4	318.8	318.0	317.3	316.5	315.8
117.5°	362.4	361.8	361.3	361.0	360.6	360.3	360.0
120°	390.4	390.2	389.7	389.1	388.5	387.8	387.2
122.5°	416.8	416.5	416.0	415.3	414.4	413.7	413.0
125°	454.7	454.2	453.8	453.4	453.0	452.7	452.3
127.5°	490.1	489.8	489.2	488.2	487.3	486.4	485.3
130°	512.8	512.4	511.9	511.3	510.6	510.0	509.4
132.5°	534.4	534.4	534.0	533.4	532.7	532.1	531.5
135°	565.6	565.3	564.8	564.1	563.3	562.5	561.8
137.5°	595.1	595.1	594.8	594.2	593.5	592.9	592.2
140°	613.2	613.5	613.2	612.5	611.7	611.0	610.2
142.5°	630.6	630.7	630.3	629.5	628.7	627.9	627.2
145°	655.5	655.6	655.3	654.5	653.8	653.0	652.2
147.5°	676.8	676.9	676.5	675.6	674.7	673.8	672.9
150°	690.4	690.6	690.3	689.3	688.2	687.2	686.2
152.5°	702.5	702.7	702.4	701.5	700.5	699.5	698.6
155°	719.0	719.4	719.1	718.1	717.1	716.1	715.0
157.5°	732.8	733.2	732.9	731.8	730.7	729.7	728.7
160°	741.3	741.8	741.5	740.5	739.5	738.5	737.5
162.5°	749.3	750.0	749.8	748.7	747.6	746.5	745.3
165°	759.4	760.1	760.0	759.0	758.0	757.0	755.9
167.5°	767.1	768.0	767.9	766.8	765.6	764.5	763.3
170°	771.1	772.1	772.0	770.9	769.7	768.6	767.5
172.5°	774.1	775.0	774.9	773.7	772.5	771.3	770.2
175°	777.4	778.5	778.4	777.3	776.1	775.0	773.8
177.5°	778.5	779.2	779.1	778.3	777.5	776.7	775.9
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3

(END OF REPORT)