

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

Luminaire Tested: **S125RDIP-S1270D590U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333618
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-S1270D590U835-4F0-1E-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: 7043.1 lumens
Efficiency: N/A
Efficacy: 127.8 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

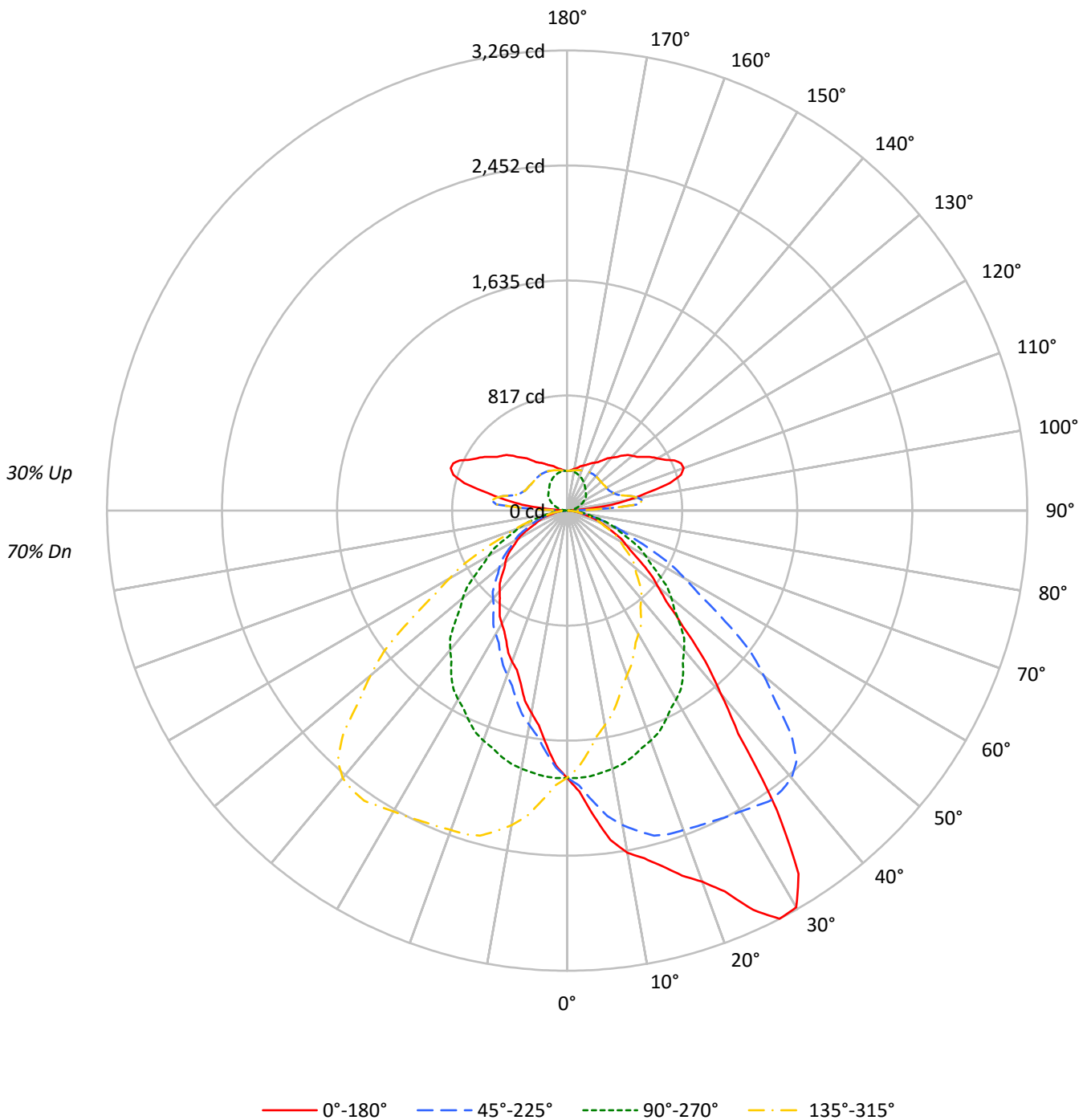
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	74	74	74	74	74	74	70		
1	103	99	95	91	97	93	90	87	84	81	79	75	73	71	67	65	64	64	64	64	64	64	64	60		
2	94	87	81	76	89	82	77	72	74	70	66	66	63	60	59	57	55	55	55	55	55	55	55	51		
3	86	77	70	64	81	73	66	61	66	61	56	59	55	52	53	50	47	47	47	47	47	47	47	44		
4	79	68	60	54	75	65	58	52	59	53	49	53	48	45	48	44	41	41	41	41	41	41	41	38		
5	73	61	53	47	69	58	51	45	53	47	42	48	43	39	43	39	36	36	36	36	36	36	36	33		
6	67	55	47	41	64	53	45	40	48	42	37	43	38	34	39	35	32	32	32	32	32	32	32	29		
7	62	50	42	36	59	48	40	35	44	37	33	40	35	31	36	32	28	28	28	28	28	28	28	26		
8	58	46	38	32	55	44	36	31	40	34	29	36	31	27	33	29	26	26	26	26	26	26	26	23		
9	54	42	34	29	51	40	33	28	37	31	26	34	28	25	31	26	23	23	23	23	23	23	23	21		
10	51	38	31	26	48	37	30	25	34	28	24	31	26	23	28	24	21	21	21	21	21	21	21	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12264	12264	12264	12264
5°	14110	12280	10845	12280
10°	16184	12218	9569	12218
15°	17481	12092	8506	12092
20°	19276	11947	7854	11947
25°	22308	11754	7288	11754
30°	24276	11551	6918	11551
35°	20478	11315	6576	11315
40°	14300	10890	6283	10890
45°	10609	10316	5994	10316
50°	8459	9720	5749	9720
55°	7179	8979	5530	8979
60°	6203	8317	5176	8317
65°	5527	7600	4455	7600
70°	4857	6962	4062	6962
75°	4202	6029	3813	6029
80°	3187	5073	3187	5073
85°	2660	3987	3001	3987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	2.6
10°-20°	533.6	7.6
20°-30°	846.1	12.0
30°-40°	1020.3	14.5
40°-50°	911.2	12.9
50°-60°	698.8	9.9
60°-70°	454.1	6.4
70°-80°	220.8	3.1
80°-90°	54.3	0.8
90°-100°	205.1	2.9
100°-110°	440.9	6.3
110°-120°	413.8	5.9
120°-130°	335.3	4.8
130°-140°	269.1	3.8
140°-150°	203.1	2.9
150°-160°	142.9	2.0
160°-170°	84.3	1.2
170°-180°	27.4	0.4
0°-30°	1561.8	22.2
0°-40°	2582.2	36.7
0°-60°	4192.1	59.5
0°-90°	4921.3	69.9
90°-120°	1059.7	15.0
90°-150°	1867.2	26.5
90°-180°	2122.0	30.1
0°-180°	7043.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1899	1899	1899	1899	1899	
5°	2176	1894	1673	1894	2176	217
15°	2614	1808	1272	1808	2614	749
25°	3130	1649	1023	1649	3130	1437
35°	2597	1435	834	1435	2597	1569
45°	1162	1130	656	1130	1162	927
55°	638	797	491	797	638	579
65°	362	497	292	497	362	360
75°	168	242	153	242	168	179
85°	36	54	40	54	36	42
90°	13	1	13	1	13	11
95°	134	19	134	19	134	190
105°	756	64	756	64	756	751
115°	842	115	842	115	842	823
125°	663	160	663	160	663	600
135°	551	187	551	187	551	427
145°	435	218	435	218	435	276
155°	364	249	364	249	364	170
165°	319	272	319	272	319	91
175°	287	282	287	282	287	28
180°	283	283	283	283	283	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1997.4	1996.2	1998.7	1991.8	1992.4	1981.8	1981.8	1973.7	1963.1	1955.0	1951.3
5°	2176.4	2178.0	2174.8	2163.1	2155.4	2143.7	2130.4	2107.0	2087.5	2068.8	2054.0
7.5°	2360.7	2361.8	2351.5	2347.9	2328.2	2313.9	2284.4	2252.6	2224.4	2188.6	2161.1
10°	2467.9	2467.2	2456.2	2447.7	2430.5	2408.7	2379.9	2342.4	2307.4	2268.4	2231.0
12.5°	2530.3	2528.3	2524.8	2514.4	2498.5	2479.2	2454.7	2417.9	2374.7	2332.0	2288.3
15°	2614.5	2609.0	2598.9	2585.6	2563.0	2540.4	2513.1	2480.4	2439.1	2390.8	2350.2
17.5°	2718.6	2718.8	2703.2	2684.8	2654.1	2614.2	2572.1	2519.2	2463.1	2409.9	2366.8
20°	2804.7	2802.3	2786.8	2750.9	2715.8	2665.9	2617.6	2552.9	2484.3	2414.9	2361.1
22.5°	2928.2	2922.1	2905.9	2858.8	2804.4	2740.1	2666.2	2587.2	2504.3	2425.5	2354.9
25°	3130.5	3125.8	3093.9	3039.3	2962.9	2863.9	2767.3	2658.9	2539.7	2436.0	2350.2
27.5°	3269.0	3263.8	3240.1	3194.8	3124.3	3020.1	2889.3	2744.5	2595.6	2453.0	2329.3
30°	3255.2	3266.9	3263.8	3242.8	3189.8	3096.2	2975.4	2812.5	2635.5	2467.9	2320.6
32.5°	3059.4	3069.9	3097.3	3138.6	3141.7	3104.3	3014.1	2863.6	2680.4	2489.8	2313.7
35°	2597.3	2611.4	2664.4	2747.8	2856.9	2948.1	2966.8	2885.8	2721.3	2516.3	2303.5
37.5°	1996.8	2073.5	2118.1	2205.9	2370.8	2538.6	2699.9	2759.3	2689.3	2505.4	2286.8
40°	1696.2	1714.9	1794.4	1893.4	2032.2	2206.8	2436.8	2602.8	2608.2	2480.4	2260.6
42.5°	1451.8	1475.5	1530.0	1609.1	1727.9	1902.5	2139.9	2359.0	2460.5	2411.8	2226.3
45°	1161.5	1179.4	1219.2	1280.0	1371.2	1515.4	1719.6	1972.9	2174.1	2252.8	2134.3
47.5°	954.1	963.8	998.4	1044.7	1112.2	1217.3	1375.4	1595.3	1836.5	2005.7	1989.0
50°	841.9	852.8	879.3	914.4	971.3	1060.1	1186.4	1369.6	1618.3	1824.8	1866.2
52.5°	754.6	763.6	780.1	813.3	860.3	928.6	1030.5	1196.2	1420.0	1639.6	1735.2
55°	637.6	643.9	657.1	675.8	713.3	762.4	850.4	965.0	1145.9	1367.3	1507.6
57.5°	541.3	544.4	552.8	570.1	596.0	631.9	695.5	792.6	922.3	1121.7	1276.5
60°	480.2	483.3	494.2	505.9	526.2	558.9	608.8	676.6	801.3	965.8	1122.5
62.5°	431.5	433.4	438.1	449.8	467.6	492.8	532.1	587.4	686.6	831.1	979.1
65°	361.7	362.5	364.0	373.4	384.3	403.0	428.7	467.7	542.5	651.7	782.6
67.5°	294.7	295.7	301.2	304.5	315.9	325.7	340.8	370.6	423.3	496.9	598.7
70°	257.2	256.5	261.9	265.8	269.7	281.4	291.5	315.7	348.4	404.6	489.5
72.5°	222.3	220.3	222.6	224.0	229.2	237.1	247.3	262.1	287.3	326.0	391.0
75°	168.4	169.2	169.2	170.7	174.6	177.7	180.8	188.6	202.7	228.4	263.5
77.5°	118.2	116.9	120.2	120.7	123.0	126.4	129.1	132.2	138.0	148.6	166.7
80°	85.7	85.7	86.5	88.9	88.1	89.6	93.5	96.7	103.7	109.9	116.1
82.5°	65.8	65.2	65.9	66.4	66.3	67.8	69.2	69.8	72.5	75.6	80.0
85°	35.9	35.9	36.6	36.6	37.4	37.4	38.2	38.2	38.2	39.0	39.8
87.5°	16.3	15.7	15.0	15.0	15.6	16.6	15.9	15.1	15.0	14.9	15.3
90°	13.1	13.1	12.5	12.5	12.5	11.4	10.8	10.3	9.7	9.1	8.0
92.5°	36.4	37.3	38.1	39.5	46.8	55.2	73.4	101.1	148.9	183.9	186.9
95°	134.1	143.2	147.7	164.9	205.4	253.3	323.4	410.1	494.6	505.4	412.4
97.5°	324.0	331.3	347.8	379.8	415.0	481.7	550.0	610.8	625.8	539.7	368.3
100°	444.9	454.1	475.2	516.2	555.6	614.9	673.7	701.6	657.7	515.1	328.6
102.5°	580.0	586.9	609.8	639.0	681.1	721.2	749.4	732.2	638.5	471.7	298.4
105°	755.8	762.7	774.1	792.9	811.1	817.4	792.3	714.2	577.3	413.6	269.2
107.5°	849.1	853.7	857.5	857.6	848.3	818.6	754.1	649.8	514.8	373.5	256.9
110°	880.2	880.2	876.2	865.3	839.7	791.2	710.8	602.4	479.2	354.8	253.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	876.5	872.4	862.5	843.9	806.4	749.2	667.9	565.0	452.7	343.9	253.3
115°	842.0	834.5	818.6	791.2	746.7	684.5	606.4	517.9	423.8	332.0	255.0
117.5°	781.4	776.8	761.0	732.7	688.2	631.1	563.8	487.6	406.6	326.2	258.7
120°	742.1	737.6	722.2	694.8	652.6	602.4	539.6	471.2	397.0	323.4	262.4
122.5°	707.4	703.3	687.9	662.8	625.2	578.2	522.3	458.9	388.8	321.2	265.6
125°	663.4	657.7	645.2	621.8	589.8	548.8	499.1	440.9	377.6	318.3	271.0
127.5°	625.8	623.2	611.4	590.7	561.8	523.3	477.0	422.7	367.4	316.9	277.0
130°	605.2	601.8	590.4	571.6	543.0	506.0	461.5	411.3	360.5	316.0	280.7
132.5°	584.7	580.8	570.3	551.5	523.0	487.3	446.9	399.9	355.0	316.0	284.8
135°	551.0	547.6	537.3	518.5	493.4	460.9	424.4	385.0	348.5	316.0	290.3
137.5°	515.1	511.3	501.9	484.7	462.3	434.7	404.3	372.5	342.7	316.7	295.5
140°	490.0	487.1	478.6	463.8	442.7	418.7	392.5	365.6	340.0	317.2	297.8
142.5°	466.7	464.3	456.2	443.7	425.8	405.0	382.4	359.7	337.7	317.6	299.1
145°	434.7	432.4	426.1	416.4	402.7	387.3	369.6	352.0	334.3	317.2	300.6
147.5°	407.5	406.5	402.8	395.1	384.2	372.6	359.0	344.7	330.7	315.7	301.2
150°	392.5	391.9	389.6	382.8	374.2	363.9	353.1	340.5	328.0	314.3	301.2
152.5°	380.6	380.0	377.7	372.3	365.1	357.1	347.2	336.0	324.8	312.5	300.7
155°	364.5	363.9	362.2	358.2	352.5	346.2	338.3	329.1	319.4	309.2	299.5
157.5°	350.1	350.2	348.6	345.3	340.9	336.0	329.8	322.3	314.4	305.7	298.0
160°	340.5	341.1	340.0	337.1	333.1	329.1	323.4	317.7	310.3	303.5	296.6
162.5°	331.9	332.0	331.8	329.4	326.3	322.7	318.0	312.7	306.7	300.7	295.3
165°	319.4	319.4	319.4	318.3	316.0	313.2	309.7	305.7	301.2	296.6	293.2
167.5°	308.0	308.1	308.6	307.6	306.4	304.4	301.8	299.1	295.8	292.6	290.0
170°	301.2	301.8	301.8	301.2	300.0	298.9	297.2	295.5	292.6	290.3	288.6
172.5°	294.8	295.4	296.3	295.3	295.0	294.3	293.1	291.4	289.4	287.6	286.8
175°	286.9	287.5	288.6	288.1	288.1	288.1	286.9	286.9	285.2	284.6	284.6
177.5°	282.9	282.9	284.3	283.8	284.3	284.3	284.3	283.8	283.4	282.9	282.9
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1951.3	1946.9	1938.8	1931.3	1922.0	1913.9	1908.2	1901.4	1892.7	1882.1	1873.3
5°	2037.6	2020.5	1997.9	1978.4	1953.5	1934.0	1913.7	1894.2	1874.7	1849.8	1828.0
7.5°	2133.4	2098.0	2063.5	2020.2	1980.9	1945.8	1912.1	1878.0	1844.6	1809.2	1775.1
10°	2192.0	2149.1	2101.6	2047.0	1997.1	1949.6	1905.9	1863.0	1817.8	1778.1	1735.2
12.5°	2246.9	2191.5	2137.1	2068.2	2008.3	1950.2	1894.7	1841.2	1792.9	1741.3	1695.3
15°	2296.4	2241.9	2181.1	2096.9	2013.5	1943.3	1877.8	1808.5	1748.4	1690.8	1639.3
17.5°	2315.6	2258.4	2187.8	2106.9	2015.7	1927.4	1843.1	1767.0	1696.4	1629.2	1571.3
20°	2308.1	2252.8	2180.3	2103.1	2005.7	1913.7	1822.5	1738.3	1659.6	1588.6	1527.1
22.5°	2290.1	2232.8	2162.8	2081.3	1988.8	1891.3	1793.8	1704.0	1621.5	1548.1	1480.9
25°	2262.9	2185.0	2113.3	2033.7	1945.7	1849.0	1748.4	1649.4	1561.4	1486.5	1413.3
27.5°	2234.7	2137.4	2046.2	1967.2	1874.1	1787.9	1690.9	1589.4	1496.8	1420.6	1345.4
30°	2209.1	2100.0	1999.4	1909.8	1821.7	1739.9	1647.9	1548.9	1453.8	1375.1	1298.7
32.5°	2177.3	2061.3	1950.8	1847.4	1762.5	1681.3	1598.0	1503.4	1410.8	1329.5	1251.9
35°	2137.4	1989.3	1869.3	1759.4	1665.0	1586.3	1511.5	1435.1	1342.3	1258.1	1182.5
37.5°	2085.0	1917.0	1778.1	1658.3	1558.9	1479.8	1420.7	1350.9	1266.2	1185.6	1115.5
40°	2053.2	1864.6	1712.6	1594.1	1489.6	1406.2	1350.9	1291.7	1214.5	1138.9	1068.7
42.5°	2010.8	1816.6	1646.5	1523.0	1417.9	1337.6	1281.7	1229.9	1165.2	1094.0	1018.8
45°	1927.7	1723.5	1545.0	1412.5	1306.5	1227.7	1175.5	1129.5	1080.4	1014.9	949.4
47.5°	1819.5	1626.4	1439.6	1294.9	1191.1	1118.0	1067.3	1031.0	995.9	940.2	876.6
50°	1732.9	1546.6	1364.1	1223.8	1113.1	1043.8	996.2	967.4	935.4	884.7	831.7
52.5°	1630.6	1464.2	1285.6	1142.1	1037.7	972.7	927.0	898.2	871.8	830.5	780.0
55°	1469.4	1323.6	1159.9	1029.7	933.9	868.4	824.7	797.4	781.9	746.8	707.0
57.5°	1283.4	1178.9	1034.6	909.1	824.3	759.6	727.6	704.4	686.8	662.0	633.9
60°	1153.7	1080.4	951.0	831.7	753.8	692.2	663.4	643.9	627.5	606.5	584.6
62.5°	1022.1	968.8	856.2	753.8	682.1	630.5	603.5	585.9	567.0	552.8	531.6
65°	845.8	798.2	720.3	640.0	573.7	532.4	512.9	497.3	485.6	470.0	455.2
67.5°	657.9	638.6	584.8	529.4	481.9	445.1	428.3	417.4	403.3	394.0	383.8
70°	542.5	533.2	495.0	458.4	413.9	389.0	373.4	368.7	351.6	342.2	335.2
72.5°	440.3	435.9	413.9	388.5	357.2	335.3	321.0	315.7	304.8	297.3	292.8
75°	301.7	303.2	299.3	283.0	271.3	257.2	244.8	241.6	233.9	227.6	223.7
77.5°	190.8	198.8	199.1	198.3	193.6	185.1	179.9	177.6	169.9	167.6	166.7
80°	131.0	139.5	147.3	146.5	145.0	142.7	138.8	136.4	132.5	130.2	128.6
82.5°	87.3	95.3	101.8	106.0	105.7	103.4	100.7	99.6	98.8	97.1	96.8
85°	41.3	42.9	45.2	50.7	54.6	55.3	54.6	53.8	51.4	52.2	53.0
87.5°	15.8	15.6	16.1	15.9	15.0	17.9	19.6	20.1	18.9	17.9	16.9
90°	7.4	6.3	5.7	4.6	3.4	2.3	1.1	0.6	1.1	2.3	3.4
92.5°	130.2	77.9	46.8	30.1	20.3	13.2	8.4	7.0	8.4	13.2	20.3
95°	255.0	129.5	68.5	42.8	30.2	24.0	19.4	18.8	19.4	24.0	30.2
97.5°	203.5	111.6	71.2	52.7	41.4	35.1	31.9	31.3	31.9	35.1	41.4
100°	184.8	110.7	77.6	60.5	49.6	43.4	41.1	39.9	41.1	43.4	49.6
102.5°	177.1	114.8	85.3	68.7	58.8	52.0	50.2	49.5	50.2	52.0	58.8
105°	174.0	123.2	98.1	82.1	73.0	67.3	64.5	64.5	64.5	67.3	73.0
107.5°	179.2	135.8	111.5	97.1	87.6	82.9	80.2	79.1	80.2	82.9	87.6
110°	184.2	144.9	121.5	106.7	98.1	93.0	90.7	89.6	90.7	93.0	98.1



TEST NUMBER: P333618

CATALOG NUMBER: S125RDIP-S1270D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	190.6	153.6	131.1	116.7	108.2	103.0	101.2	100.1	101.2	103.0	108.2
115°	200.2	167.1	146.0	131.8	123.2	118.1	116.4	115.2	116.4	118.1	123.2
117.5°	211.2	181.1	161.1	147.3	137.6	132.5	130.6	128.9	130.6	132.5	137.6
120°	218.5	191.1	171.1	156.9	147.2	142.0	139.8	138.0	139.8	142.0	147.2
122.5°	226.7	200.7	180.7	166.5	155.8	150.7	148.9	147.6	148.9	150.7	155.8
125°	237.9	213.3	194.5	179.7	168.8	163.7	160.9	159.7	160.9	163.7	168.8
127.5°	248.1	225.5	207.4	192.6	181.1	174.6	170.9	169.2	170.9	174.6	181.1
130°	255.0	233.3	215.6	200.8	188.8	181.4	176.8	175.1	176.8	181.4	188.8
132.5°	260.9	240.6	222.9	208.1	195.7	187.3	181.9	179.7	181.9	187.3	195.7
135°	269.2	250.4	232.7	217.3	205.4	196.2	189.4	187.1	189.4	196.2	205.4
137.5°	275.4	257.4	241.3	225.4	213.7	204.6	198.2	196.5	198.2	204.6	213.7
140°	279.5	262.4	245.9	230.5	219.6	210.5	203.6	201.9	203.6	210.5	219.6
142.5°	281.8	265.6	250.0	235.5	225.1	216.0	209.6	208.3	209.6	216.0	225.1
145°	285.2	271.0	256.1	243.0	232.7	224.7	219.0	217.9	219.0	224.7	232.7
147.5°	287.3	274.4	261.4	249.8	240.9	233.5	228.6	227.9	228.6	233.5	240.9
150°	288.6	276.7	264.1	254.4	246.4	239.0	235.0	233.9	235.0	239.0	246.4
152.5°	289.5	278.9	267.3	258.5	251.0	244.5	240.9	240.3	240.9	244.5	251.0
155°	290.3	281.2	271.5	263.5	257.8	252.1	248.7	248.7	248.7	252.1	257.8
157.5°	290.9	283.2	274.8	268.8	263.8	258.9	256.1	256.2	256.1	258.9	263.8
160°	290.9	284.1	276.7	271.5	267.0	263.0	260.7	261.3	260.7	263.0	267.0
162.5°	290.5	285.0	278.5	274.3	270.6	267.1	264.8	265.4	264.8	267.1	270.6
165°	289.8	285.2	280.7	277.2	274.9	272.1	270.4	271.5	270.4	272.1	274.9
167.5°	288.4	285.2	281.4	279.3	277.7	276.1	275.1	275.6	275.1	276.1	277.7
170°	287.5	285.2	282.4	280.7	279.5	278.4	277.8	278.4	277.8	278.4	279.5
172.5°	286.6	284.8	282.4	281.6	280.9	279.7	279.2	280.2	279.2	279.7	280.9
175°	285.2	284.1	282.4	282.4	282.4	281.8	281.2	282.4	281.2	281.8	282.4
177.5°	283.8	283.4	282.5	282.5	282.9	282.5	282.5	283.4	282.5	282.5	282.9
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333618

CATALOG NUMBER: S125RDIP-S1270D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1867.1	1858.4	1852.1	1839.6	1830.9	1827.2	1820.3	1818.4	1825.3	1820.3	1819.7
5°	1811.6	1789.0	1771.1	1753.1	1733.6	1721.2	1702.5	1699.3	1694.7	1687.6	1686.1
7.5°	1745.0	1715.6	1692.5	1662.9	1637.1	1616.4	1593.0	1581.9	1575.9	1566.8	1554.7
10°	1700.1	1665.0	1633.9	1604.2	1572.3	1546.6	1523.2	1505.2	1493.5	1482.6	1478.0
12.5°	1655.8	1620.1	1580.2	1544.4	1508.7	1479.8	1453.9	1442.3	1429.3	1416.5	1405.6
15°	1587.1	1539.5	1495.9	1454.6	1424.2	1393.0	1368.0	1350.9	1331.4	1326.0	1304.9
17.5°	1514.1	1467.5	1416.4	1372.9	1337.6	1303.3	1275.9	1256.4	1241.8	1221.7	1212.0
20°	1468.6	1413.3	1363.4	1323.6	1284.6	1244.1	1216.0	1199.7	1185.6	1169.3	1161.5
22.5°	1420.0	1365.9	1314.7	1268.1	1228.5	1188.6	1168.6	1151.7	1135.7	1120.6	1110.3
25°	1348.6	1294.0	1240.2	1191.9	1150.6	1121.7	1098.3	1078.8	1070.3	1055.5	1044.5
27.5°	1277.9	1219.9	1164.1	1115.9	1083.5	1055.0	1035.8	1020.4	1004.9	992.0	982.5
30°	1232.4	1173.2	1112.4	1074.2	1039.9	1012.6	991.5	976.7	965.0	953.3	946.3
32.5°	1186.9	1125.8	1071.8	1030.5	998.1	974.5	952.9	938.7	926.4	913.4	905.2
35°	1113.9	1051.6	1007.9	967.4	935.4	913.6	898.8	878.5	868.4	859.0	850.4
37.5°	1046.1	988.1	940.9	905.3	877.6	855.9	836.7	825.8	813.3	804.9	797.8
40°	996.2	943.2	900.3	862.9	842.7	818.5	800.6	786.5	777.2	766.3	758.5
42.5°	951.3	902.1	860.4	826.8	801.5	781.1	763.8	749.7	737.9	730.1	723.5
45°	887.9	838.8	798.2	767.0	743.7	724.2	706.2	699.2	683.6	674.3	671.2
47.5°	822.2	778.3	739.1	710.4	686.4	668.0	651.2	636.9	628.3	619.1	614.1
50°	778.0	735.9	699.2	671.2	647.8	627.5	611.9	602.6	590.9	582.3	576.1
52.5°	733.7	694.7	658.1	631.2	611.0	590.7	573.3	563.9	552.8	547.4	543.0
55°	670.4	629.1	597.9	571.4	550.3	531.6	515.3	505.9	498.9	493.4	491.9
57.5°	598.7	565.9	536.9	513.1	491.2	473.6	459.3	450.4	444.2	443.4	438.7
60°	551.9	522.3	495.8	470.0	451.3	435.0	422.5	412.4	406.1	405.3	403.8
62.5°	505.1	476.7	452.1	429.5	412.7	396.9	385.1	373.7	370.0	366.1	362.6
65°	435.7	410.0	389.8	371.8	353.9	340.6	329.0	321.9	313.4	308.7	300.1
67.5°	367.6	347.7	328.2	313.1	299.0	286.4	276.7	266.3	260.5	256.8	250.5
70°	322.7	307.1	287.6	271.3	260.4	250.2	242.4	230.7	226.8	223.7	220.6
72.5°	280.3	266.6	250.2	237.0	226.1	216.5	207.5	202.0	198.2	195.0	193.2
75°	220.6	207.4	193.3	184.0	176.2	168.4	163.7	159.8	158.2	157.5	154.3
77.5°	162.0	155.0	143.7	136.3	131.1	128.0	123.8	121.8	121.6	118.2	117.1
80°	123.9	120.0	110.7	107.6	103.7	100.6	98.2	94.3	90.4	88.9	86.5
82.5°	92.1	88.2	84.5	79.5	76.2	74.4	72.0	70.6	71.1	68.9	67.8
85°	49.1	45.2	43.7	42.9	41.3	42.9	42.1	41.3	40.5	39.8	40.5
87.5°	16.5	16.7	16.2	17.7	15.9	16.8	16.9	16.4	16.5	16.6	16.2
90°	4.6	5.7	6.3	7.4	8.0	9.1	9.7	10.3	10.8	11.4	12.5
92.5°	30.1	46.8	77.9	130.2	186.9	183.9	148.9	101.1	73.4	55.2	46.8
95°	42.8	68.5	129.5	255.0	412.4	505.4	494.6	410.1	323.4	253.3	205.4
97.5°	52.7	71.2	111.6	203.5	368.3	539.7	625.8	610.8	550.0	481.7	415.0
100°	60.5	77.6	110.7	184.8	328.6	515.1	657.7	701.6	673.7	614.9	555.6
102.5°	68.7	85.3	114.8	177.1	298.4	471.7	638.5	732.2	749.4	721.2	681.1
105°	82.1	98.1	123.2	174.0	269.2	413.6	577.3	714.2	792.3	817.4	811.1
107.5°	97.1	111.5	135.8	179.2	256.9	373.5	514.8	649.8	754.1	818.6	848.3
110°	106.7	121.5	144.9	184.2	253.3	354.8	479.2	602.4	710.8	791.2	839.7



TEST NUMBER: P333618

CATALOG NUMBER: S125RDIP-S1270D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	116.7	131.1	153.6	190.6	253.3	343.9	452.7	565.0	667.9	749.2	806.4
115°	131.8	146.0	167.1	200.2	255.0	332.0	423.8	517.9	606.4	684.5	746.7
117.5°	147.3	161.1	181.1	211.2	258.7	326.2	406.6	487.6	563.8	631.1	688.2
120°	156.9	171.1	191.1	218.5	262.4	323.4	397.0	471.2	539.6	602.4	652.6
122.5°	166.5	180.7	200.7	226.7	265.6	321.2	388.8	458.9	522.3	578.2	625.2
125°	179.7	194.5	213.3	237.9	271.0	318.3	377.6	440.9	499.1	548.8	589.8
127.5°	192.6	207.4	225.5	248.1	277.0	316.9	367.4	422.7	477.0	523.3	561.8
130°	200.8	215.6	233.3	255.0	280.7	316.0	360.5	411.3	461.5	506.0	543.0
132.5°	208.1	222.9	240.6	260.9	284.8	316.0	355.0	399.9	446.9	487.3	523.0
135°	217.3	232.7	250.4	269.2	290.3	316.0	348.5	385.0	424.4	460.9	493.4
137.5°	225.4	241.3	257.4	275.4	295.5	316.7	342.7	372.5	404.3	434.7	462.3
140°	230.5	245.9	262.4	279.5	297.8	317.2	340.0	365.6	392.5	418.7	442.7
142.5°	235.5	250.0	265.6	281.8	299.1	317.6	337.7	359.7	382.4	405.0	425.8
145°	243.0	256.1	271.0	285.2	300.6	317.2	334.3	352.0	369.6	387.3	402.7
147.5°	249.8	261.4	274.4	287.3	301.2	315.7	330.7	344.7	359.0	372.6	384.2
150°	254.4	264.1	276.7	288.6	301.2	314.3	328.0	340.5	353.1	363.9	374.2
152.5°	258.5	267.3	278.9	289.5	300.7	312.5	324.8	336.0	347.2	357.1	365.1
155°	263.5	271.5	281.2	290.3	299.5	309.2	319.4	329.1	338.3	346.2	352.5
157.5°	268.8	274.8	283.2	290.9	298.0	305.7	314.4	322.3	329.8	336.0	340.9
160°	271.5	276.7	284.1	290.9	296.6	303.5	310.3	317.7	323.4	329.1	333.1
162.5°	274.3	278.5	285.0	290.5	295.3	300.7	306.7	312.7	318.0	322.7	326.3
165°	277.2	280.7	285.2	289.8	293.2	296.6	301.2	305.7	309.7	313.2	316.0
167.5°	279.3	281.4	285.2	288.4	290.0	292.6	295.8	299.1	301.8	304.4	306.4
170°	280.7	282.4	285.2	287.5	288.6	290.3	292.6	295.5	297.2	298.9	300.0
172.5°	281.6	282.4	284.8	286.6	286.8	287.6	289.4	291.4	293.1	294.3	295.0
175°	282.4	282.4	284.1	285.2	284.6	284.6	285.2	286.9	286.9	288.1	288.1
177.5°	282.5	282.5	283.4	283.8	282.9	282.9	283.4	283.8	284.3	284.3	284.3
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333618

CATALOG NUMBER: S125RDIP-S1270D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1819.1	1812.2	1810.3	1812.8	1810.3	1812.2	1819.1	1819.7	1820.3	1825.3	1818.4
5°	1678.3	1670.5	1674.4	1672.8	1674.4	1670.5	1678.3	1686.1	1687.6	1694.7	1699.3
7.5°	1554.5	1544.8	1534.5	1537.8	1534.5	1544.8	1554.5	1554.7	1566.8	1575.9	1581.9
10°	1467.8	1460.0	1455.3	1459.2	1455.3	1460.0	1467.8	1478.0	1482.6	1493.5	1505.2
12.5°	1394.9	1390.2	1386.1	1384.4	1386.1	1390.2	1394.9	1405.6	1416.5	1429.3	1442.3
15°	1295.5	1286.2	1282.3	1272.2	1282.3	1286.2	1295.5	1304.9	1326.0	1331.4	1350.9
17.5°	1204.0	1200.9	1190.8	1186.4	1190.8	1200.9	1204.0	1212.0	1221.7	1241.8	1256.4
20°	1149.8	1146.7	1136.5	1142.8	1136.5	1146.7	1149.8	1161.5	1169.3	1185.6	1199.7
22.5°	1104.9	1098.0	1094.7	1092.9	1094.7	1098.0	1104.9	1110.3	1120.6	1135.7	1151.7
25°	1041.4	1031.3	1027.4	1022.7	1027.4	1031.3	1041.4	1044.5	1055.5	1070.3	1078.8
27.5°	978.1	972.7	967.5	966.3	967.5	972.7	978.1	982.5	992.0	1004.9	1020.4
30°	937.0	931.5	927.6	927.6	927.6	931.5	937.0	946.3	953.3	965.0	976.7
32.5°	900.2	896.0	892.1	891.5	892.1	896.0	900.2	905.2	913.4	926.4	938.7
35°	846.6	840.3	838.8	834.1	838.8	840.3	846.6	850.4	859.0	868.4	878.5
37.5°	790.9	785.7	785.6	785.1	785.6	785.7	790.9	797.8	804.9	813.3	825.8
40°	755.3	751.4	750.7	745.2	750.7	751.4	755.3	758.5	766.3	777.2	786.5
42.5°	717.3	715.3	712.6	710.3	712.6	715.3	717.3	723.5	730.1	737.9	749.7
45°	665.7	660.2	660.2	656.3	660.2	660.2	665.7	671.2	674.3	683.6	699.2
47.5°	612.4	608.2	608.6	604.6	608.6	608.2	612.4	614.1	619.1	628.3	636.9
50°	576.8	574.5	573.7	572.2	573.7	574.5	576.8	576.1	582.3	590.9	602.6
52.5°	541.3	540.2	543.2	539.7	543.2	540.2	541.3	543.0	547.4	552.8	563.9
55°	493.4	491.1	495.8	491.1	495.8	491.1	493.4	491.9	493.4	498.9	505.9
57.5°	438.4	436.2	440.4	438.1	440.4	436.2	438.4	438.7	443.4	444.2	450.4
60°	402.2	397.6	399.9	400.7	399.9	397.6	402.2	403.8	405.3	406.1	412.4
62.5°	359.2	356.4	358.1	354.5	358.1	356.4	359.2	362.6	366.1	370.0	373.7
65°	298.6	296.2	293.1	291.5	293.1	296.2	298.6	300.1	308.7	313.4	321.9
67.5°	250.8	245.2	245.1	246.3	245.1	245.2	250.8	250.5	256.8	260.5	266.3
70°	215.9	215.9	215.1	215.1	215.1	215.9	215.9	220.6	223.7	226.8	230.7
72.5°	191.6	191.0	189.6	189.0	189.6	191.0	191.6	193.2	195.0	198.2	202.0
75°	154.3	155.1	153.6	152.8	153.6	155.1	154.3	154.3	157.5	158.2	159.8
77.5°	114.0	110.7	112.4	110.7	112.4	110.7	114.0	117.1	118.2	121.6	121.8
80°	86.5	85.7	88.1	85.7	88.1	85.7	86.5	86.5	88.9	90.4	94.3
82.5°	68.4	67.7	68.8	67.0	68.8	67.7	68.4	67.8	68.9	71.1	70.6
85°	41.3	40.5	39.8	40.5	39.8	40.5	41.3	40.5	39.8	40.5	41.3
87.5°	16.9	16.2	16.3	16.3	16.3	16.2	16.9	16.2	16.6	16.5	16.4
90°	12.5	12.5	13.1	13.1	13.1	12.5	12.5	12.5	11.4	10.8	10.3
92.5°	39.5	38.1	37.3	36.4	37.3	38.1	39.5	46.8	55.2	73.4	101.1
95°	164.9	147.7	143.2	134.1	143.2	147.7	164.9	205.4	253.3	323.4	410.1
97.5°	379.8	347.8	331.3	324.0	331.3	347.8	379.8	415.0	481.7	550.0	610.8
100°	516.2	475.2	454.1	444.9	454.1	475.2	516.2	555.6	614.9	673.7	701.6
102.5°	639.0	609.8	586.9	580.0	586.9	609.8	639.0	681.1	721.2	749.4	732.2
105°	792.9	774.1	762.7	755.8	762.7	774.1	792.9	811.1	817.4	792.3	714.2
107.5°	857.6	857.5	853.7	849.1	853.7	857.5	857.6	848.3	818.6	754.1	649.8
110°	865.3	876.2	880.2	880.2	880.2	876.2	865.3	839.7	791.2	710.8	602.4



TEST NUMBER: P333618

CATALOG NUMBER: S125RDIP-S1270D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	843.9	862.5	872.4	876.5	872.4	862.5	843.9	806.4	749.2	667.9	565.0
115°	791.2	818.6	834.5	842.0	834.5	818.6	791.2	746.7	684.5	606.4	517.9
117.5°	732.7	761.0	776.8	781.4	776.8	761.0	732.7	688.2	631.1	563.8	487.6
120°	694.8	722.2	737.6	742.1	737.6	722.2	694.8	652.6	602.4	539.6	471.2
122.5°	662.8	687.9	703.3	707.4	703.3	687.9	662.8	625.2	578.2	522.3	458.9
125°	621.8	645.2	657.7	663.4	657.7	645.2	621.8	589.8	548.8	499.1	440.9
127.5°	590.7	611.4	623.2	625.8	623.2	611.4	590.7	561.8	523.3	477.0	422.7
130°	571.6	590.4	601.8	605.2	601.8	590.4	571.6	543.0	506.0	461.5	411.3
132.5°	551.5	570.3	580.8	584.7	580.8	570.3	551.5	523.0	487.3	446.9	399.9
135°	518.5	537.3	547.6	551.0	547.6	537.3	518.5	493.4	460.9	424.4	385.0
137.5°	484.7	501.9	511.3	515.1	511.3	501.9	484.7	462.3	434.7	404.3	372.5
140°	463.8	478.6	487.1	490.0	487.1	478.6	463.8	442.7	418.7	392.5	365.6
142.5°	443.7	456.2	464.3	466.7	464.3	456.2	443.7	425.8	405.0	382.4	359.7
145°	416.4	426.1	432.4	434.7	432.4	426.1	416.4	402.7	387.3	369.6	352.0
147.5°	395.1	402.8	406.5	407.5	406.5	402.8	395.1	384.2	372.6	359.0	344.7
150°	382.8	389.6	391.9	392.5	391.9	389.6	382.8	374.2	363.9	353.1	340.5
152.5°	372.3	377.7	380.0	380.6	380.0	377.7	372.3	365.1	357.1	347.2	336.0
155°	358.2	362.2	363.9	364.5	363.9	362.2	358.2	352.5	346.2	338.3	329.1
157.5°	345.3	348.6	350.2	350.1	350.2	348.6	345.3	340.9	336.0	329.8	322.3
160°	337.1	340.0	341.1	340.5	341.1	340.0	337.1	333.1	329.1	323.4	317.7
162.5°	329.4	331.8	332.0	331.9	332.0	331.8	329.4	326.3	322.7	318.0	312.7
165°	318.3	319.4	319.4	319.4	319.4	319.4	318.3	316.0	313.2	309.7	305.7
167.5°	307.6	308.6	308.1	308.0	308.1	308.6	307.6	306.4	304.4	301.8	299.1
170°	301.2	301.8	301.8	301.2	301.8	301.8	301.2	300.0	298.9	297.2	295.5
172.5°	295.3	296.3	295.4	294.8	295.4	296.3	295.3	295.0	294.3	293.1	291.4
175°	288.1	288.6	287.5	286.9	287.5	288.6	288.1	288.1	288.1	286.9	286.9
177.5°	283.8	284.3	282.9	282.9	282.9	284.3	283.8	284.3	284.3	284.3	283.8
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333618

CATALOG NUMBER: S125RDIP-S1270D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1820.3	1827.2	1830.9	1839.6	1852.1	1858.4	1867.1	1873.3	1882.1	1892.7	1901.4
5°	1702.5	1721.2	1733.6	1753.1	1771.1	1789.0	1811.6	1828.0	1849.8	1874.7	1894.2
7.5°	1593.0	1616.4	1637.1	1662.9	1692.5	1715.6	1745.0	1775.1	1809.2	1844.6	1878.0
10°	1523.2	1546.6	1572.3	1604.2	1633.9	1665.0	1700.1	1735.2	1778.1	1817.8	1863.0
12.5°	1453.9	1479.8	1508.7	1544.4	1580.2	1620.1	1655.8	1695.3	1741.3	1792.9	1841.2
15°	1368.0	1393.0	1424.2	1454.6	1495.9	1539.5	1587.1	1639.3	1690.8	1748.4	1808.5
17.5°	1275.9	1303.3	1337.6	1372.9	1416.4	1467.5	1514.1	1571.3	1629.2	1696.4	1767.0
20°	1216.0	1244.1	1284.6	1323.6	1363.4	1413.3	1468.6	1527.1	1588.6	1659.6	1738.3
22.5°	1168.6	1188.6	1228.5	1268.1	1314.7	1365.9	1420.0	1480.9	1548.1	1621.5	1704.0
25°	1098.3	1121.7	1150.6	1191.9	1240.2	1294.0	1348.6	1413.3	1486.5	1561.4	1649.4
27.5°	1035.8	1055.0	1083.5	1115.9	1164.1	1219.9	1277.9	1345.4	1420.6	1496.8	1589.4
30°	991.5	1012.6	1039.9	1074.2	1112.4	1173.2	1232.4	1298.7	1375.1	1453.8	1548.9
32.5°	952.9	974.5	998.1	1030.5	1071.8	1125.8	1186.9	1251.9	1329.5	1410.8	1503.4
35°	898.8	913.6	935.4	967.4	1007.9	1051.6	1113.9	1182.5	1258.1	1342.3	1435.1
37.5°	836.7	855.9	877.6	905.3	940.9	988.1	1046.1	1115.5	1185.6	1266.2	1350.9
40°	800.6	818.5	842.7	862.9	900.3	943.2	996.2	1068.7	1138.9	1214.5	1291.7
42.5°	763.8	781.1	801.5	826.8	860.4	902.1	951.3	1018.8	1094.0	1165.2	1229.9
45°	706.2	724.2	743.7	767.0	798.2	838.8	887.9	949.4	1014.9	1080.4	1129.5
47.5°	651.2	668.0	686.4	710.4	739.1	778.3	822.2	876.6	940.2	995.9	1031.0
50°	611.9	627.5	647.8	671.2	699.2	735.9	778.0	831.7	884.7	935.4	967.4
52.5°	573.3	590.7	611.0	631.2	658.1	694.7	733.7	780.0	830.5	871.8	898.2
55°	515.3	531.6	550.3	571.4	597.9	629.1	670.4	707.0	746.8	781.9	797.4
57.5°	459.3	473.6	491.2	513.1	536.9	565.9	598.7	633.9	662.0	686.8	704.4
60°	422.5	435.0	451.3	470.0	495.8	522.3	551.9	584.6	606.5	627.5	643.9
62.5°	385.1	396.9	412.7	429.5	452.1	476.7	505.1	531.6	552.8	567.0	585.9
65°	329.0	340.6	353.9	371.8	389.8	410.0	435.7	455.2	470.0	485.6	497.3
67.5°	276.7	286.4	299.0	313.1	328.2	347.7	367.6	383.8	394.0	403.3	417.4
70°	242.4	250.2	260.4	271.3	287.6	307.1	322.7	335.2	342.2	351.6	368.7
72.5°	207.5	216.5	226.1	237.0	250.2	266.6	280.3	292.8	297.3	304.8	315.7
75°	163.7	168.4	176.2	184.0	193.3	207.4	220.6	223.7	227.6	233.9	241.6
77.5°	123.8	128.0	131.1	136.3	143.7	155.0	162.0	166.7	167.6	169.9	177.6
80°	98.2	100.6	103.7	107.6	110.7	120.0	123.9	128.6	130.2	132.5	136.4
82.5°	72.0	74.4	76.2	79.5	84.5	88.2	92.1	96.8	97.1	98.8	99.6
85°	42.1	42.9	41.3	42.9	43.7	45.2	49.1	53.0	52.2	51.4	53.8
87.5°	16.9	16.8	15.9	17.7	16.2	16.7	16.5	16.9	17.9	18.9	20.1
90°	9.7	9.1	8.0	7.4	6.3	5.7	4.6	3.4	2.3	1.1	0.6
92.5°	148.9	183.9	186.9	130.2	77.9	46.8	30.1	20.3	13.2	8.4	7.0
95°	494.6	505.4	412.4	255.0	129.5	68.5	42.8	30.2	24.0	19.4	18.8
97.5°	625.8	539.7	368.3	203.5	111.6	71.2	52.7	41.4	35.1	31.9	31.3
100°	657.7	515.1	328.6	184.8	110.7	77.6	60.5	49.6	43.4	41.1	39.9
102.5°	638.5	471.7	298.4	177.1	114.8	85.3	68.7	58.8	52.0	50.2	49.5
105°	577.3	413.6	269.2	174.0	123.2	98.1	82.1	73.0	67.3	64.5	64.5
107.5°	514.8	373.5	256.9	179.2	135.8	111.5	97.1	87.6	82.9	80.2	79.1
110°	479.2	354.8	253.3	184.2	144.9	121.5	106.7	98.1	93.0	90.7	89.6



TEST NUMBER: P333618

CATALOG NUMBER: S125RDIP-S1270D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	452.7	343.9	253.3	190.6	153.6	131.1	116.7	108.2	103.0	101.2	100.1
115°	423.8	332.0	255.0	200.2	167.1	146.0	131.8	123.2	118.1	116.4	115.2
117.5°	406.6	326.2	258.7	211.2	181.1	161.1	147.3	137.6	132.5	130.6	128.9
120°	397.0	323.4	262.4	218.5	191.1	171.1	156.9	147.2	142.0	139.8	138.0
122.5°	388.8	321.2	265.6	226.7	200.7	180.7	166.5	155.8	150.7	148.9	147.6
125°	377.6	318.3	271.0	237.9	213.3	194.5	179.7	168.8	163.7	160.9	159.7
127.5°	367.4	316.9	277.0	248.1	225.5	207.4	192.6	181.1	174.6	170.9	169.2
130°	360.5	316.0	280.7	255.0	233.3	215.6	200.8	188.8	181.4	176.8	175.1
132.5°	355.0	316.0	284.8	260.9	240.6	222.9	208.1	195.7	187.3	181.9	179.7
135°	348.5	316.0	290.3	269.2	250.4	232.7	217.3	205.4	196.2	189.4	187.1
137.5°	342.7	316.7	295.5	275.4	257.4	241.3	225.4	213.7	204.6	198.2	196.5
140°	340.0	317.2	297.8	279.5	262.4	245.9	230.5	219.6	210.5	203.6	201.9
142.5°	337.7	317.6	299.1	281.8	265.6	250.0	235.5	225.1	216.0	209.6	208.3
145°	334.3	317.2	300.6	285.2	271.0	256.1	243.0	232.7	224.7	219.0	217.9
147.5°	330.7	315.7	301.2	287.3	274.4	261.4	249.8	240.9	233.5	228.6	227.9
150°	328.0	314.3	301.2	288.6	276.7	264.1	254.4	246.4	239.0	235.0	233.9
152.5°	324.8	312.5	300.7	289.5	278.9	267.3	258.5	251.0	244.5	240.9	240.3
155°	319.4	309.2	299.5	290.3	281.2	271.5	263.5	257.8	252.1	248.7	248.7
157.5°	314.4	305.7	298.0	290.9	283.2	274.8	268.8	263.8	258.9	256.1	256.2
160°	310.3	303.5	296.6	290.9	284.1	276.7	271.5	267.0	263.0	260.7	261.3
162.5°	306.7	300.7	295.3	290.5	285.0	278.5	274.3	270.6	267.1	264.8	265.4
165°	301.2	296.6	293.2	289.8	285.2	280.7	277.2	274.9	272.1	270.4	271.5
167.5°	295.8	292.6	290.0	288.4	285.2	281.4	279.3	277.7	276.1	275.1	275.6
170°	292.6	290.3	288.6	287.5	285.2	282.4	280.7	279.5	278.4	277.8	278.4
172.5°	289.4	287.6	286.8	286.6	284.8	282.4	281.6	280.9	279.7	279.2	280.2
175°	285.2	284.6	284.6	285.2	284.1	282.4	282.4	282.4	281.8	281.2	282.4
177.5°	283.4	282.9	282.9	283.8	283.4	282.5	282.5	282.9	282.5	282.5	283.4
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



TEST NUMBER: P333618

CATALOG NUMBER: S125RDIP-S1270D590U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1908.2	1913.9	1922.0	1931.3	1938.8	1946.9	1951.3	1951.3	1955.0	1963.1	1973.7
5°	1913.7	1934.0	1953.5	1978.4	1997.9	2020.5	2037.6	2054.0	2068.8	2087.5	2107.0
7.5°	1912.1	1945.8	1980.9	2020.2	2063.5	2098.0	2133.4	2161.1	2188.6	2224.4	2252.6
10°	1905.9	1949.6	1997.1	2047.0	2101.6	2149.1	2192.0	2231.0	2268.4	2307.4	2342.4
12.5°	1894.7	1950.2	2008.3	2068.2	2137.1	2191.5	2246.9	2288.3	2332.0	2374.7	2417.9
15°	1877.8	1943.3	2013.5	2096.9	2181.1	2241.9	2296.4	2350.2	2390.8	2439.1	2480.4
17.5°	1843.1	1927.4	2015.7	2106.9	2187.8	2258.4	2315.6	2366.8	2409.9	2463.1	2519.2
20°	1822.5	1913.7	2005.7	2103.1	2180.3	2252.8	2308.1	2361.1	2414.9	2484.3	2552.9
22.5°	1793.8	1891.3	1988.8	2081.3	2162.8	2232.8	2290.1	2354.9	2425.5	2504.3	2587.2
25°	1748.4	1849.0	1945.7	2033.7	2113.3	2185.0	2262.9	2350.2	2436.0	2539.7	2658.9
27.5°	1690.9	1787.9	1874.1	1967.2	2046.2	2137.4	2234.7	2329.3	2453.0	2595.6	2744.5
30°	1647.9	1739.9	1821.7	1909.8	1999.4	2100.0	2209.1	2320.6	2467.9	2635.5	2812.5
32.5°	1598.0	1681.3	1762.5	1847.4	1950.8	2061.3	2177.3	2313.7	2489.8	2680.4	2863.6
35°	1511.5	1586.3	1665.0	1759.4	1869.3	1989.3	2137.4	2303.5	2516.3	2721.3	2885.8
37.5°	1420.7	1479.8	1558.9	1658.3	1778.1	1917.0	2085.0	2286.8	2505.4	2689.3	2759.3
40°	1350.9	1406.2	1489.6	1594.1	1712.6	1864.6	2053.2	2260.6	2480.4	2608.2	2602.8
42.5°	1281.7	1337.6	1417.9	1523.0	1646.5	1816.6	2010.8	2226.3	2411.8	2460.5	2359.0
45°	1175.5	1227.7	1306.5	1412.5	1545.0	1723.5	1927.7	2134.3	2252.8	2174.1	1972.9
47.5°	1067.3	1118.0	1191.1	1294.9	1439.6	1626.4	1819.5	1989.0	2005.7	1836.5	1595.3
50°	996.2	1043.8	1113.1	1223.8	1364.1	1546.6	1732.9	1866.2	1824.8	1618.3	1369.6
52.5°	927.0	972.7	1037.7	1142.1	1285.6	1464.2	1630.6	1735.2	1639.6	1420.0	1196.2
55°	824.7	868.4	933.9	1029.7	1159.9	1323.6	1469.4	1507.6	1367.3	1145.9	965.0
57.5°	727.6	759.6	824.3	909.1	1034.6	1178.9	1283.4	1276.5	1121.7	922.3	792.6
60°	663.4	692.2	753.8	831.7	951.0	1080.4	1153.7	1122.5	965.8	801.3	676.6
62.5°	603.5	630.5	682.1	753.8	856.2	968.8	1022.1	979.1	831.1	686.6	587.4
65°	512.9	532.4	573.7	640.0	720.3	798.2	845.8	782.6	651.7	542.5	467.7
67.5°	428.3	445.1	481.9	529.4	584.8	638.6	657.9	598.7	496.9	423.3	370.6
70°	373.4	389.0	413.9	458.4	495.0	533.2	542.5	489.5	404.6	348.4	315.7
72.5°	321.0	335.3	357.2	388.5	413.9	435.9	440.3	391.0	326.0	287.3	262.1
75°	244.8	257.2	271.3	283.0	299.3	303.2	301.7	263.5	228.4	202.7	188.6
77.5°	179.9	185.1	193.6	198.3	199.1	198.8	190.8	166.7	148.6	138.0	132.2
80°	138.8	142.7	145.0	146.5	147.3	139.5	131.0	116.1	109.9	103.7	96.7
82.5°	100.7	103.4	105.7	106.0	101.8	95.3	87.3	80.0	75.6	72.5	69.8
85°	54.6	55.3	54.6	50.7	45.2	42.9	41.3	39.8	39.0	38.2	38.2
87.5°	19.6	17.9	15.0	15.9	16.1	15.6	15.8	15.3	14.9	15.0	15.1
90°	1.1	2.3	3.4	4.6	5.7	6.3	7.4	8.0	9.1	9.7	10.3
92.5°	8.4	13.2	20.3	30.1	46.8	77.9	130.2	186.9	183.9	148.9	101.1
95°	19.4	24.0	30.2	42.8	68.5	129.5	255.0	412.4	505.4	494.6	410.1
97.5°	31.9	35.1	41.4	52.7	71.2	111.6	203.5	368.3	539.7	625.8	610.8
100°	41.1	43.4	49.6	60.5	77.6	110.7	184.8	328.6	515.1	657.7	701.6
102.5°	50.2	52.0	58.8	68.7	85.3	114.8	177.1	298.4	471.7	638.5	732.2
105°	64.5	67.3	73.0	82.1	98.1	123.2	174.0	269.2	413.6	577.3	714.2
107.5°	80.2	82.9	87.6	97.1	111.5	135.8	179.2	256.9	373.5	514.8	649.8
110°	90.7	93.0	98.1	106.7	121.5	144.9	184.2	253.3	354.8	479.2	602.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	101.2	103.0	108.2	116.7	131.1	153.6	190.6	253.3	343.9	452.7	565.0
115°	116.4	118.1	123.2	131.8	146.0	167.1	200.2	255.0	332.0	423.8	517.9
117.5°	130.6	132.5	137.6	147.3	161.1	181.1	211.2	258.7	326.2	406.6	487.6
120°	139.8	142.0	147.2	156.9	171.1	191.1	218.5	262.4	323.4	397.0	471.2
122.5°	148.9	150.7	155.8	166.5	180.7	200.7	226.7	265.6	321.2	388.8	458.9
125°	160.9	163.7	168.8	179.7	194.5	213.3	237.9	271.0	318.3	377.6	440.9
127.5°	170.9	174.6	181.1	192.6	207.4	225.5	248.1	277.0	316.9	367.4	422.7
130°	176.8	181.4	188.8	200.8	215.6	233.3	255.0	280.7	316.0	360.5	411.3
132.5°	181.9	187.3	195.7	208.1	222.9	240.6	260.9	284.8	316.0	355.0	399.9
135°	189.4	196.2	205.4	217.3	232.7	250.4	269.2	290.3	316.0	348.5	385.0
137.5°	198.2	204.6	213.7	225.4	241.3	257.4	275.4	295.5	316.7	342.7	372.5
140°	203.6	210.5	219.6	230.5	245.9	262.4	279.5	297.8	317.2	340.0	365.6
142.5°	209.6	216.0	225.1	235.5	250.0	265.6	281.8	299.1	317.6	337.7	359.7
145°	219.0	224.7	232.7	243.0	256.1	271.0	285.2	300.6	317.2	334.3	352.0
147.5°	228.6	233.5	240.9	249.8	261.4	274.4	287.3	301.2	315.7	330.7	344.7
150°	235.0	239.0	246.4	254.4	264.1	276.7	288.6	301.2	314.3	328.0	340.5
152.5°	240.9	244.5	251.0	258.5	267.3	278.9	289.5	300.7	312.5	324.8	336.0
155°	248.7	252.1	257.8	263.5	271.5	281.2	290.3	299.5	309.2	319.4	329.1
157.5°	256.1	258.9	263.8	268.8	274.8	283.2	290.9	298.0	305.7	314.4	322.3
160°	260.7	263.0	267.0	271.5	276.7	284.1	290.9	296.6	303.5	310.3	317.7
162.5°	264.8	267.1	270.6	274.3	278.5	285.0	290.5	295.3	300.7	306.7	312.7
165°	270.4	272.1	274.9	277.2	280.7	285.2	289.8	293.2	296.6	301.2	305.7
167.5°	275.1	276.1	277.7	279.3	281.4	285.2	288.4	290.0	292.6	295.8	299.1
170°	277.8	278.4	279.5	280.7	282.4	285.2	287.5	288.6	290.3	292.6	295.5
172.5°	279.2	279.7	280.9	281.6	282.4	284.8	286.6	286.8	287.6	289.4	291.4
175°	281.2	281.8	282.4	282.4	282.4	284.1	285.2	284.6	284.6	285.2	286.9
177.5°	282.5	282.5	282.9	282.5	282.5	283.4	283.8	282.9	282.9	283.4	283.8
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9	282.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1981.8	1981.8	1992.4	1991.8	1998.7	1996.2	1997.4
5°	2130.4	2143.7	2155.4	2163.1	2174.8	2178.0	2176.4
7.5°	2284.4	2313.9	2328.2	2347.9	2351.5	2361.8	2360.7
10°	2379.9	2408.7	2430.5	2447.7	2456.2	2467.2	2467.9
12.5°	2454.7	2479.2	2498.5	2514.4	2524.8	2528.3	2530.3
15°	2513.1	2540.4	2563.0	2585.6	2598.9	2609.0	2614.5
17.5°	2572.1	2614.2	2654.1	2684.8	2703.2	2718.8	2718.6
20°	2617.6	2665.9	2715.8	2750.9	2786.8	2802.3	2804.7
22.5°	2666.2	2740.1	2804.4	2858.8	2905.9	2922.1	2928.2
25°	2767.3	2863.9	2962.9	3039.3	3093.9	3125.8	3130.5
27.5°	2889.3	3020.1	3124.3	3194.8	3240.1	3263.8	3269.0
30°	2975.4	3096.2	3189.8	3242.8	3263.8	3266.9	3255.2
32.5°	3014.1	3104.3	3141.7	3138.6	3097.3	3069.9	3059.4
35°	2966.8	2948.1	2856.9	2747.8	2664.4	2611.4	2597.3
37.5°	2699.9	2538.6	2370.8	2205.9	2118.1	2073.5	1996.8
40°	2436.8	2206.8	2032.2	1893.4	1794.4	1714.9	1696.2
42.5°	2139.9	1902.5	1727.9	1609.1	1530.0	1475.5	1451.8
45°	1719.6	1515.4	1371.2	1280.0	1219.2	1179.4	1161.5
47.5°	1375.4	1217.3	1112.2	1044.7	998.4	963.8	954.1
50°	1186.4	1060.1	971.3	914.4	879.3	852.8	841.9
52.5°	1030.5	928.6	860.3	813.3	780.1	763.6	754.6
55°	850.4	762.4	713.3	675.8	657.1	643.9	637.6
57.5°	695.5	631.9	596.0	570.1	552.8	544.4	541.3
60°	608.8	558.9	526.2	505.9	494.2	483.3	480.2
62.5°	532.1	492.8	467.6	449.8	438.1	433.4	431.5
65°	428.7	403.0	384.3	373.4	364.0	362.5	361.7
67.5°	340.8	325.7	315.9	304.5	301.2	295.7	294.7
70°	291.5	281.4	269.7	265.8	261.9	256.5	257.2
72.5°	247.3	237.1	229.2	224.0	222.6	220.3	222.3
75°	180.8	177.7	174.6	170.7	169.2	169.2	168.4
77.5°	129.1	126.4	123.0	120.7	120.2	116.9	118.2
80°	93.5	89.6	88.1	88.9	86.5	85.7	85.7
82.5°	69.2	67.8	66.3	66.4	65.9	65.2	65.8
85°	38.2	37.4	37.4	36.6	36.6	35.9	35.9
87.5°	15.9	16.6	15.6	15.0	15.0	15.7	16.3
90°	10.8	11.4	12.5	12.5	12.5	13.1	13.1
92.5°	73.4	55.2	46.8	39.5	38.1	37.3	36.4
95°	323.4	253.3	205.4	164.9	147.7	143.2	134.1
97.5°	550.0	481.7	415.0	379.8	347.8	331.3	324.0
100°	673.7	614.9	555.6	516.2	475.2	454.1	444.9
102.5°	749.4	721.2	681.1	639.0	609.8	586.9	580.0
105°	792.3	817.4	811.1	792.9	774.1	762.7	755.8
107.5°	754.1	818.6	848.3	857.6	857.5	853.7	849.1
110°	710.8	791.2	839.7	865.3	876.2	880.2	880.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	667.9	749.2	806.4	843.9	862.5	872.4	876.5
115°	606.4	684.5	746.7	791.2	818.6	834.5	842.0
117.5°	563.8	631.1	688.2	732.7	761.0	776.8	781.4
120°	539.6	602.4	652.6	694.8	722.2	737.6	742.1
122.5°	522.3	578.2	625.2	662.8	687.9	703.3	707.4
125°	499.1	548.8	589.8	621.8	645.2	657.7	663.4
127.5°	477.0	523.3	561.8	590.7	611.4	623.2	625.8
130°	461.5	506.0	543.0	571.6	590.4	601.8	605.2
132.5°	446.9	487.3	523.0	551.5	570.3	580.8	584.7
135°	424.4	460.9	493.4	518.5	537.3	547.6	551.0
137.5°	404.3	434.7	462.3	484.7	501.9	511.3	515.1
140°	392.5	418.7	442.7	463.8	478.6	487.1	490.0
142.5°	382.4	405.0	425.8	443.7	456.2	464.3	466.7
145°	369.6	387.3	402.7	416.4	426.1	432.4	434.7
147.5°	359.0	372.6	384.2	395.1	402.8	406.5	407.5
150°	353.1	363.9	374.2	382.8	389.6	391.9	392.5
152.5°	347.2	357.1	365.1	372.3	377.7	380.0	380.6
155°	338.3	346.2	352.5	358.2	362.2	363.9	364.5
157.5°	329.8	336.0	340.9	345.3	348.6	350.2	350.1
160°	323.4	329.1	333.1	337.1	340.0	341.1	340.5
162.5°	318.0	322.7	326.3	329.4	331.8	332.0	331.9
165°	309.7	313.2	316.0	318.3	319.4	319.4	319.4
167.5°	301.8	304.4	306.4	307.6	308.6	308.1	308.0
170°	297.2	298.9	300.0	301.2	301.8	301.8	301.2
172.5°	293.1	294.3	295.0	295.3	296.3	295.4	294.8
175°	286.9	288.1	288.1	288.1	288.6	287.5	286.9
177.5°	284.3	284.3	284.3	283.8	284.3	282.9	282.9
180°	282.9	282.9	282.9	282.9	282.9	282.9	282.9

(END OF REPORT)