

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: P333314

Luminaire Tested: **S125DIP-S1270D810U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333314
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1270D810U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7988.5 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

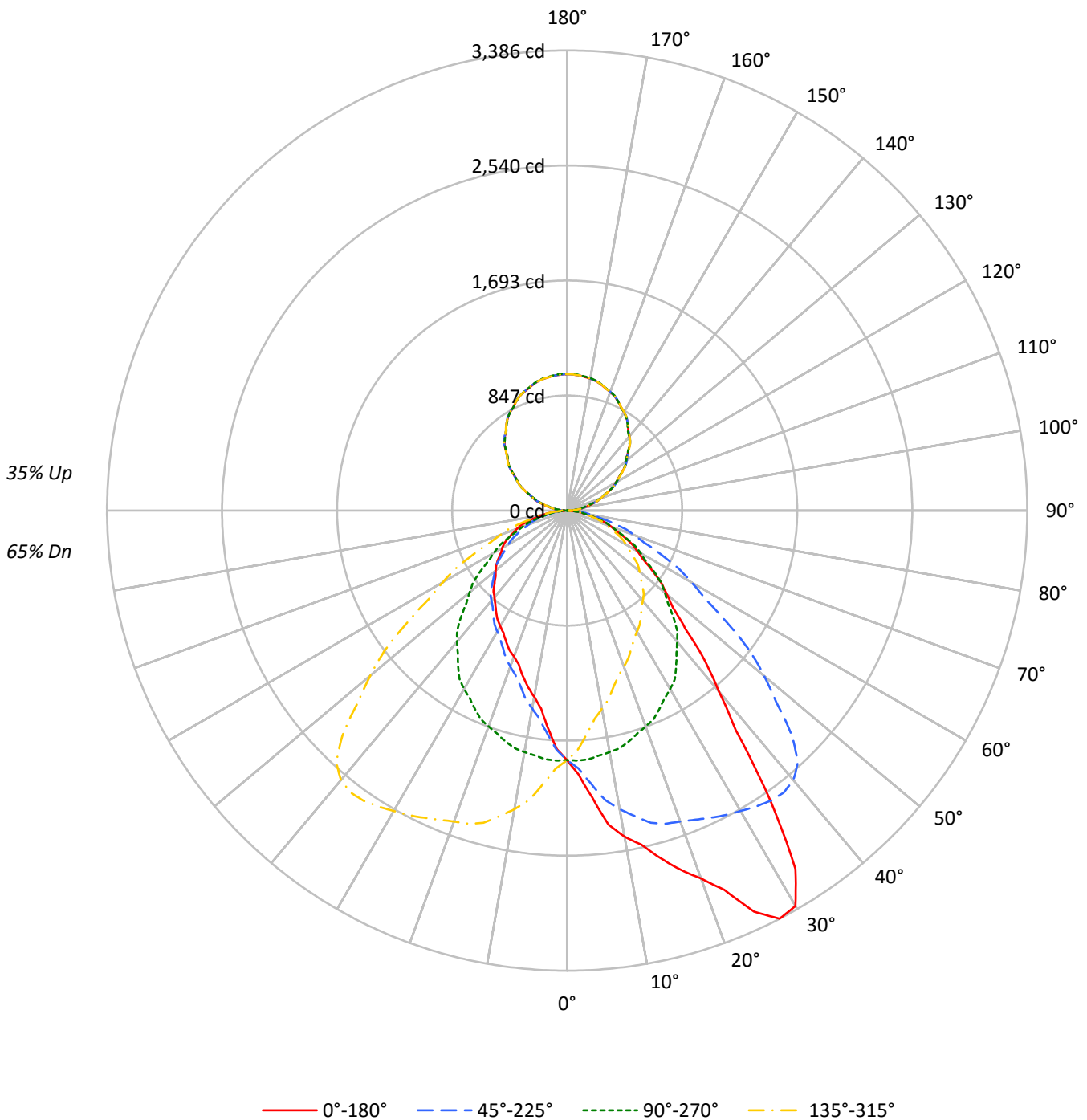
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	92	92	80	80	80	70	70	70	65
1	101	97	93	90	95	91	88	85	81	78	76	71	69	68	62	61	60	55
2	93	85	79	74	87	80	75	70	71	67	63	63	60	57	55	53	51	47
3	85	75	68	62	79	71	64	59	63	58	54	56	52	48	49	46	43	40
4	78	67	59	53	73	63	56	50	56	50	46	50	45	42	44	40	38	34
5	71	60	51	45	67	56	49	43	50	44	40	45	40	36	40	36	33	30
6	66	54	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	26
7	61	48	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	23
8	57	44	36	31	53	42	35	30	38	32	27	34	29	25	30	26	23	21
9	53	40	33	28	50	38	31	27	35	29	25	31	26	23	28	24	21	19
10	49	37	30	25	46	35	28	24	32	26	22	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11861	11861	11861	11861
5°	13736	11902	10421	11902
10°	15980	11840	9130	11840
15°	17690	11753	8423	11753
20°	19801	11615	7854	11615
25°	23197	11460	7577	11460
30°	25055	11307	7337	11307
35°	20601	11020	7179	11020
40°	14643	10620	7006	10620
45°	11249	10082	6906	10082
50°	9602	9414	6893	9414
55°	8550	8760	6952	8760
60°	7713	8045	7129	8045
65°	7124	7326	7314	7326
70°	6477	6579	7419	6579
75°	5719	5797	7354	5797
80°	4813	4727	6724	4727
85°	3809	3409	5432	3409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	2.2
10°-20°	526.4	6.6
20°-30°	854.8	10.7
30°-40°	1042.7	13.1
40°-50°	948.5	11.9
50°-60°	755.5	9.5
60°-70°	526.2	6.6
70°-80°	280.6	3.5
80°-90°	73.0	0.9
90°-100°	67.3	0.8
100°-110°	198.7	2.5
110°-120°	336.6	4.2
120°-130°	443.0	5.5
130°-140°	496.4	6.2
140°-150°	486.5	6.1
150°-160°	408.6	5.1
160°-170°	271.6	3.4
170°-180°	95.1	1.2
0°-30°	1558.0	19.5
0°-40°	2600.7	32.6
0°-60°	4304.7	53.9
0°-90°	5184.6	64.9
90°-120°	602.7	7.5
90°-150°	2028.6	25.4
90°-180°	2804.0	35.1
0°-180°	7988.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1837	1837	1837	1837	1837	
5°	2119	1836	1607	1836	2119	214
15°	2646	1758	1260	1758	2646	757
25°	3255	1608	1063	1608	3255	1487
35°	2613	1398	910	1398	2613	1599
45°	1232	1104	756	1104	1232	986
55°	759	778	617	778	759	684
65°	466	479	479	479	466	463
75°	229	232	295	232	229	247
85°	51	46	73	46	51	60
90°	19	1	19	1	19	13
95°	67	51	67	51	67	68
105°	194	178	194	178	194	205
115°	340	337	340	337	340	336
125°	495	492	495	492	495	442
135°	642	640	642	640	642	495
145°	778	775	778	775	778	486
155°	887	887	887	887	887	408
165°	962	964	962	964	962	271
175°	999	1002	999	1002	999	95
180°	1005	1005	1005	1005	1005	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1942.6	1940.1	1937.6	1932.6	1936.3	1925.7	1920.7	1912.0	1901.4	1897.7	1893.3
5°	2118.7	2122.6	2126.5	2110.2	2111.7	2100.8	2075.9	2055.6	2039.2	2018.2	2003.4
7.5°	2330.8	2321.6	2320.8	2310.2	2292.0	2277.3	2251.1	2217.7	2185.5	2148.7	2118.3
10°	2436.8	2437.6	2430.6	2418.1	2398.6	2384.6	2350.3	2317.5	2277.8	2231.0	2197.5
12.5°	2516.6	2519.9	2511.0	2494.2	2484.6	2453.2	2426.3	2387.4	2340.1	2302.7	2251.7
15°	2645.7	2637.1	2630.9	2609.8	2593.5	2560.7	2517.9	2477.3	2425.9	2378.3	2330.8
17.5°	2770.1	2777.0	2765.3	2746.1	2695.3	2657.1	2599.6	2544.0	2480.0	2416.2	2359.5
20°	2881.1	2887.4	2869.4	2835.9	2775.1	2736.9	2661.3	2589.6	2515.5	2433.7	2371.3
22.5°	3019.6	3014.6	2990.4	2939.4	2886.7	2816.1	2734.3	2646.9	2554.2	2461.7	2378.8
25°	3255.3	3222.5	3207.7	3144.6	3075.2	2971.5	2859.3	2731.4	2616.1	2493.7	2387.7
27.5°	3385.9	3375.6	3359.1	3315.2	3242.2	3131.3	2999.0	2843.2	2680.5	2526.0	2387.2
30°	3359.7	3361.3	3362.9	3348.8	3302.1	3218.6	3086.9	2919.3	2726.0	2552.2	2391.6
32.5°	3127.8	3156.1	3183.3	3215.4	3228.5	3212.4	3129.9	2978.6	2779.6	2582.1	2389.1
35°	2613.0	2621.5	2709.6	2796.9	2915.4	3007.4	3069.0	3001.9	2834.3	2607.5	2386.1
37.5°	2037.4	2079.5	2140.4	2239.1	2410.1	2563.2	2760.1	2850.7	2796.6	2615.8	2380.7
40°	1736.8	1775.8	1815.5	1916.1	2060.3	2245.8	2469.5	2660.5	2704.9	2589.6	2362.0
42.5°	1504.8	1535.7	1579.8	1655.4	1775.9	1940.2	2154.0	2403.6	2557.1	2513.5	2322.7
45°	1231.6	1251.1	1285.4	1345.5	1432.8	1561.4	1750.0	2022.9	2260.6	2339.3	2229.4
47.5°	1054.2	1054.1	1080.7	1122.2	1185.2	1294.5	1434.0	1647.8	1901.7	2089.6	2080.9
50°	955.7	951.8	972.8	1008.7	1058.6	1131.1	1264.4	1435.1	1679.1	1891.9	1951.1
52.5°	870.9	871.3	884.3	910.8	952.6	1014.5	1114.1	1268.0	1476.4	1694.8	1806.5
55°	759.3	756.1	770.9	788.9	819.3	859.8	931.5	1049.2	1218.4	1433.5	1578.5
57.5°	657.0	665.6	671.5	684.0	709.2	736.3	796.8	883.2	1017.4	1202.0	1355.3
60°	597.1	605.7	610.4	622.8	643.1	666.5	713.3	783.4	896.5	1055.5	1207.5
62.5°	543.5	550.2	551.7	563.0	579.5	602.3	639.1	698.0	787.3	926.4	1075.3
65°	466.2	466.2	469.3	481.0	488.8	509.0	537.1	580.0	651.7	760.0	887.1
67.5°	391.6	395.4	394.6	399.7	406.9	422.7	442.8	478.2	531.3	610.4	712.0
70°	343.0	346.1	345.3	349.2	357.0	367.2	383.5	417.0	455.2	523.1	610.4
72.5°	299.3	300.6	298.6	303.7	308.4	317.3	335.5	353.4	389.1	446.4	518.1
75°	229.2	230.7	232.3	235.4	240.1	244.8	254.1	272.1	295.4	338.3	384.3
77.5°	171.8	168.8	172.6	172.1	174.8	178.4	186.6	196.1	215.3	242.4	278.0
80°	129.4	130.2	130.2	131.0	134.9	137.2	144.2	151.2	166.0	186.3	211.3
82.5°	94.5	96.5	95.3	96.7	99.9	101.6	105.5	111.3	119.9	135.8	153.9
85°	51.4	47.6	49.1	50.7	50.7	51.4	54.6	56.9	61.6	67.8	74.8
87.5°	18.7	19.9	20.4	20.3	20.8	20.7	23.0	22.8	24.5	26.2	28.5
90°	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.2	13.4	12.5	11.3
92.5°	36.9	36.5	36.1	35.8	35.4	34.6	33.5	32.3	31.2	30.0	28.5
95°	67.2	66.9	66.6	66.2	65.9	65.1	63.9	62.6	61.4	60.2	58.5
97.5°	102.0	101.8	101.5	101.3	101.1	100.5	99.3	98.2	97.0	95.9	93.5
100°	128.2	127.9	127.5	127.2	126.9	125.9	124.3	122.8	121.2	119.6	117.4
102.5°	154.5	154.0	153.5	153.1	152.6	151.5	149.8	148.1	146.4	144.7	143.5
105°	193.9	193.4	192.9	192.4	191.8	191.1	190.0	189.0	187.9	186.9	185.8
107.5°	234.3	234.3	234.3	234.4	234.4	234.2	233.6	233.1	232.6	232.1	231.3
110°	264.3	264.5	264.6	264.8	265.0	264.8	264.3	263.8	263.3	262.7	262.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	293.7	294.0	294.3	294.6	295.0	295.0	294.7	294.5	294.3	294.0	293.4
115°	340.2	340.3	340.5	340.7	340.8	341.0	341.2	341.4	341.5	341.7	341.4
117.5°	385.5	386.2	386.9	387.6	388.3	388.6	388.4	388.3	388.1	388.0	387.7
120°	416.8	417.5	418.2	418.9	419.6	419.9	419.9	419.9	419.9	419.9	419.7
122.5°	448.1	448.6	449.2	449.7	450.3	450.6	450.8	450.9	451.0	451.2	450.7
125°	495.0	495.2	495.3	495.5	495.7	495.9	496.3	496.6	497.0	497.3	497.1
127.5°	540.0	540.4	540.7	541.1	541.4	541.7	541.8	542.0	542.2	542.4	542.2
130°	570.0	570.4	570.7	571.1	571.4	571.7	571.9	572.0	572.2	572.4	572.0
132.5°	598.2	598.7	599.2	599.7	600.1	600.5	600.6	600.8	601.0	601.2	601.2
135°	642.0	642.7	643.4	644.1	644.8	645.1	645.1	645.1	645.1	645.1	644.9
137.5°	684.8	685.7	686.6	687.4	688.3	688.6	688.4	688.2	688.0	687.8	687.4
140°	712.4	713.2	714.1	715.0	715.8	716.1	715.7	715.4	715.1	714.7	714.2
142.5°	738.6	739.5	740.4	741.2	742.1	742.4	742.2	742.0	741.8	741.6	740.9
145°	778.0	778.6	779.1	779.6	780.1	780.4	780.4	780.4	780.4	780.4	779.9
147.5°	811.7	812.9	814.0	815.2	816.4	816.8	816.4	815.9	815.5	815.1	814.7
150°	836.7	837.0	837.4	837.7	838.1	838.3	838.3	838.3	838.3	838.3	837.6
152.5°	857.3	858.0	858.6	859.2	859.8	859.9	859.5	859.1	858.7	858.3	858.0
155°	886.7	887.6	888.5	889.3	890.2	890.3	889.6	888.9	888.2	887.5	887.3
157.5°	911.3	912.4	913.6	914.7	915.9	916.1	915.4	914.7	914.0	913.3	913.1
160°	928.2	929.0	929.9	930.8	931.7	931.7	931.0	930.4	929.7	929.0	928.8
162.5°	942.6	943.6	944.6	945.6	946.6	946.7	945.9	945.0	944.2	943.4	943.3
165°	961.8	962.8	963.9	964.9	966.0	966.1	965.5	964.8	964.1	963.4	963.2
167.5°	977.1	978.2	979.3	980.4	981.4	981.5	980.4	979.4	978.3	977.3	977.3
170°	985.3	986.5	987.7	988.9	990.1	990.2	989.2	988.1	987.1	986.0	986.0
172.5°	992.1	993.2	994.3	995.4	996.5	996.5	995.4	994.4	993.3	992.3	992.3
175°	998.6	999.8	1001.0	1002.2	1003.4	1003.5	1002.5	1001.4	1000.4	999.3	999.3
177.5°	1002.3	1003.3	1004.3	1005.2	1006.2	1006.3	1005.4	1004.6	1003.8	1002.9	1003.1
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1889.6	1885.2	1880.2	1871.5	1860.9	1855.3	1846.5	1840.9	1829.7	1820.3	1810.4
5°	1985.4	1965.2	1946.5	1922.3	1895.8	1878.6	1858.4	1835.8	1812.4	1788.2	1761.7
7.5°	2084.8	2048.9	2009.9	1968.0	1927.0	1889.2	1853.2	1817.8	1784.8	1744.9	1711.1
10°	2151.5	2106.3	2057.9	2001.0	1945.7	1897.4	1848.2	1805.4	1761.7	1714.9	1673.6
12.5°	2218.2	2158.0	2089.7	2027.2	1960.7	1902.3	1844.5	1789.8	1734.9	1683.1	1635.0
15°	2265.3	2212.3	2149.1	2060.3	1985.4	1905.2	1828.8	1757.8	1691.6	1633.9	1573.1
17.5°	2296.3	2228.0	2160.2	2074.9	1976.9	1887.1	1800.5	1719.3	1644.6	1571.5	1512.9
20°	2301.9	2231.8	2160.8	2077.4	1976.9	1874.0	1787.4	1690.0	1609.7	1534.1	1462.4
22.5°	2300.1	2220.5	2143.4	2057.5	1959.4	1864.6	1760.0	1660.7	1573.5	1499.2	1424.3
25°	2282.4	2197.5	2100.8	2014.3	1917.6	1817.1	1711.1	1608.2	1519.3	1434.3	1360.3
27.5°	2267.8	2157.6	2048.1	1947.2	1853.9	1761.7	1660.2	1554.8	1456.3	1370.2	1300.4
30°	2249.7	2128.9	2005.7	1900.5	1804.6	1714.9	1619.1	1516.2	1413.3	1329.1	1254.3
32.5°	2233.5	2092.7	1962.7	1848.1	1746.6	1659.4	1571.0	1473.1	1372.1	1286.7	1211.8
35°	2202.2	2039.2	1890.3	1760.9	1652.6	1562.9	1488.9	1397.7	1304.9	1222.3	1150.6
37.5°	2162.4	1969.1	1809.3	1673.6	1554.8	1460.4	1391.4	1321.4	1232.4	1152.8	1087.9
40°	2131.2	1919.2	1750.0	1611.3	1488.1	1389.9	1326.0	1259.7	1185.7	1111.6	1043.0
42.5°	2091.9	1874.3	1690.2	1540.8	1418.9	1323.2	1256.1	1199.8	1134.5	1065.5	1001.8
45°	2019.7	1792.9	1593.3	1432.8	1309.6	1215.3	1145.9	1103.8	1054.7	989.2	935.4
47.5°	1913.6	1695.1	1488.7	1323.0	1195.9	1108.5	1043.5	1003.1	968.5	919.8	871.0
50°	1819.4	1622.2	1413.3	1248.8	1121.7	1033.6	973.6	937.0	907.4	869.9	828.6
52.5°	1714.0	1530.5	1339.1	1176.5	1050.6	963.8	905.0	872.8	848.1	821.3	780.6
55°	1546.6	1390.7	1212.9	1058.6	942.4	857.5	806.0	778.0	757.7	737.4	712.5
57.5°	1362.1	1240.2	1082.8	941.7	834.7	757.4	709.4	682.1	666.3	655.9	641.2
60°	1232.4	1128.0	992.3	863.7	759.3	690.7	643.9	622.8	609.6	601.0	590.1
62.5°	1112.1	1026.3	900.7	783.3	691.9	627.0	585.3	564.8	552.2	548.0	539.0
65°	934.6	868.4	764.7	667.3	589.3	534.0	498.9	479.4	471.6	466.9	467.7
67.5°	759.9	719.5	636.2	553.1	490.9	444.5	416.4	401.5	397.6	391.3	391.2
70°	653.2	622.8	552.7	480.2	424.8	389.0	364.0	348.4	344.5	341.4	340.7
72.5°	559.1	532.4	471.6	413.5	363.7	332.2	311.7	302.3	295.9	294.0	293.9
75°	420.2	405.4	357.0	311.0	276.7	254.9	240.9	232.3	227.6	226.8	227.6
77.5°	298.7	285.8	255.1	222.5	200.8	184.3	172.4	169.5	164.2	164.3	163.5
80°	224.5	215.9	196.4	170.7	152.8	138.8	132.5	127.1	125.5	123.2	125.5
82.5°	162.8	153.6	140.3	123.9	109.1	100.7	94.5	92.8	91.8	90.7	91.2
85°	80.3	81.1	73.3	60.8	54.6	49.9	46.0	46.0	45.2	44.4	45.2
87.5°	29.5	28.0	25.2	23.1	19.7	17.6	16.6	17.0	15.4	15.1	16.0
90°	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	27.0	25.5	24.0	22.8	21.8	20.9	19.9	18.9	19.9	20.9	21.8
95°	56.7	55.0	53.3	52.2	51.9	51.5	51.2	50.8	51.2	51.5	51.9
97.5°	91.1	88.7	86.3	85.0	84.9	84.7	84.6	84.5	84.6	84.7	84.9
100°	115.1	112.9	110.6	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
102.5°	142.4	141.2	140.1	139.2	138.5	137.8	137.1	136.4	137.1	137.8	138.5
105°	184.8	183.8	182.7	181.8	180.9	180.0	179.2	178.3	179.2	180.0	180.9
107.5°	230.5	229.7	228.9	228.1	227.2	226.3	225.4	224.6	225.4	226.3	227.2
110°	261.7	261.2	260.7	260.0	259.1	258.2	257.4	256.5	257.4	258.2	259.1



TEST NUMBER: P333314

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	292.7	292.0	291.4	290.8	290.4	289.9	289.5	289.0	289.5	289.9	290.4
115°	341.0	340.7	340.3	339.8	339.1	338.4	337.7	337.0	337.7	338.4	339.1
117.5°	387.4	387.1	386.8	386.4	386.1	385.8	385.5	385.2	385.5	385.8	386.1
120°	419.6	419.4	419.2	418.7	417.8	417.0	416.1	415.2	416.1	417.0	417.8
122.5°	450.3	449.8	449.4	449.0	448.7	448.4	448.1	447.7	448.1	448.4	448.7
125°	497.0	496.8	496.6	496.0	495.0	493.9	492.9	491.8	492.9	493.9	495.0
127.5°	541.9	541.7	541.5	541.1	540.5	539.9	539.4	538.8	539.4	539.9	540.5
130°	571.7	571.3	571.0	570.4	569.5	568.7	567.8	566.9	567.8	568.7	569.5
132.5°	601.3	601.4	601.4	600.8	599.3	597.9	596.5	595.1	596.5	597.9	599.3
135°	644.8	644.6	644.4	643.8	642.8	641.7	640.7	639.6	640.7	641.7	642.8
137.5°	687.0	686.7	686.3	685.6	684.6	683.6	682.6	681.6	682.6	683.6	684.6
140°	713.7	713.1	712.6	711.9	711.1	710.2	709.3	708.5	709.3	710.2	711.1
142.5°	740.3	739.6	739.0	738.3	737.5	736.8	736.1	735.4	736.1	736.8	737.5
145°	779.3	778.8	778.3	777.7	777.0	776.3	775.6	774.9	775.6	776.3	777.0
147.5°	814.3	813.9	813.4	813.0	812.7	812.3	811.9	811.5	811.9	812.3	812.7
150°	836.9	836.2	835.5	835.2	835.4	835.6	835.7	835.9	835.7	835.6	835.4
152.5°	857.7	857.4	857.2	856.9	856.7	856.4	856.2	855.9	856.2	856.4	856.7
155°	887.2	887.0	886.8	886.7	886.7	886.7	886.7	886.7	886.7	886.7	886.7
157.5°	913.0	912.8	912.6	912.7	913.1	913.5	913.9	914.3	913.9	913.5	913.1
160°	928.6	928.4	928.3	928.4	929.0	929.5	930.0	930.5	930.0	929.5	929.0
162.5°	943.3	943.2	943.2	943.4	943.8	944.1	944.5	944.9	944.5	944.1	943.8
165°	963.0	962.8	962.7	962.8	963.1	963.5	963.8	964.2	963.8	963.5	963.1
167.5°	977.3	977.3	977.3	977.6	978.3	979.0	979.7	980.4	979.7	979.0	978.3
170°	986.0	986.0	986.0	986.4	987.1	987.8	988.5	989.2	988.5	987.8	987.1
172.5°	992.3	992.3	992.3	992.6	993.3	994.0	994.7	995.4	994.7	994.0	993.3
175°	999.3	999.3	999.3	999.7	1000.4	1001.1	1001.8	1002.5	1001.8	1001.1	1000.4
177.5°	1003.2	1003.4	1003.5	1003.8	1004.4	1005.0	1005.5	1006.1	1005.5	1005.0	1004.4
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333314

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1804.7	1797.9	1792.3	1779.8	1772.9	1763.6	1756.1	1764.2	1755.5	1759.2	1753.6
5°	1748.5	1726.6	1711.1	1688.4	1669.0	1651.0	1637.8	1635.4	1629.2	1626.1	1616.7
7.5°	1680.8	1653.5	1626.7	1597.1	1572.1	1546.7	1530.5	1517.1	1508.2	1496.5	1488.6
10°	1640.9	1604.3	1573.1	1537.2	1506.0	1478.8	1456.9	1446.0	1435.9	1421.1	1415.6
12.5°	1591.6	1553.7	1515.7	1477.4	1447.4	1417.0	1398.3	1381.8	1374.8	1358.1	1356.4
15°	1532.5	1475.6	1438.2	1399.2	1357.9	1333.0	1317.4	1299.5	1291.7	1280.0	1271.4
17.5°	1462.1	1411.2	1364.5	1324.1	1288.7	1267.7	1248.3	1236.0	1222.6	1215.0	1200.9
20°	1410.9	1362.6	1315.8	1273.0	1245.7	1221.5	1205.9	1194.2	1180.2	1176.3	1162.3
22.5°	1367.9	1314.6	1269.7	1233.7	1203.9	1176.6	1159.8	1151.8	1142.2	1130.2	1127.3
25°	1297.9	1242.6	1204.4	1168.5	1142.0	1117.1	1105.4	1095.2	1085.9	1077.3	1074.2
27.5°	1237.4	1188.0	1142.6	1110.2	1087.1	1064.4	1054.1	1041.8	1034.9	1028.0	1019.6
30°	1195.0	1144.3	1104.6	1073.4	1048.5	1028.2	1017.3	1008.7	1002.5	996.2	991.6
32.5°	1151.4	1104.4	1065.9	1035.4	1010.4	995.1	985.5	979.4	972.5	965.0	959.1
35°	1093.7	1042.2	1004.8	978.3	958.8	947.1	936.2	930.7	923.0	923.0	916.7
37.5°	1028.7	984.2	951.2	927.0	909.5	899.1	887.3	883.5	878.5	875.2	873.1
40°	990.0	948.7	917.5	893.3	874.6	866.0	856.7	850.5	847.3	843.4	841.9
42.5°	950.1	910.6	880.7	858.4	842.2	834.9	826.1	821.8	815.5	810.4	809.5
45°	889.4	851.2	824.0	806.0	792.0	783.4	778.0	768.6	765.5	759.3	758.5
47.5°	831.9	795.3	768.5	753.8	741.5	734.5	725.9	716.5	713.0	709.8	709.5
50°	788.9	755.4	730.4	716.4	704.7	694.6	686.0	679.7	677.4	677.4	679.0
52.5°	745.2	716.7	695.5	678.3	667.3	656.5	648.6	644.8	641.2	645.0	647.8
55°	681.3	652.5	636.9	620.5	609.6	597.1	593.2	591.7	589.3	595.6	598.7
57.5°	613.6	593.4	575.1	558.9	549.1	541.9	536.6	535.7	540.1	543.0	553.1
60°	570.6	547.2	530.9	518.4	506.7	502.0	500.5	498.9	502.0	510.6	523.8
62.5°	523.2	504.2	486.6	477.2	468.6	460.9	460.5	461.5	467.7	477.5	490.8
65°	453.7	437.3	425.6	414.7	407.7	403.0	404.6	407.7	414.7	428.0	442.8
67.5°	383.1	371.8	361.4	352.5	345.8	345.8	347.4	352.0	360.3	375.6	389.1
70°	337.5	325.1	316.5	312.6	307.1	304.0	308.7	316.5	323.5	337.5	349.2
72.5°	292.0	281.4	274.7	272.1	269.7	267.2	268.8	277.2	286.7	300.7	314.3
75°	224.5	220.6	215.9	212.8	210.5	212.0	213.6	221.4	229.2	244.0	259.6
77.5°	163.9	159.8	157.0	156.2	155.0	155.7	160.1	165.9	173.5	184.3	196.1
80°	123.9	122.4	120.8	120.0	120.0	120.8	127.1	131.0	138.0	148.1	157.5
82.5°	90.3	89.3	89.0	88.9	89.5	89.6	93.4	98.5	104.3	111.9	120.0
85°	47.6	46.0	48.3	49.1	47.6	49.9	51.4	54.6	56.9	60.8	64.7
87.5°	16.9	18.4	18.0	18.9	19.1	20.6	20.1	22.8	24.2	25.6	25.2
90°	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.2	15.1	16.0	16.7
92.5°	22.8	24.0	25.5	27.0	28.5	30.0	31.2	32.3	33.5	34.6	35.4
95°	52.2	53.3	55.0	56.7	58.5	60.2	61.4	62.6	63.9	65.1	65.9
97.5°	85.0	86.3	88.7	91.1	93.5	95.9	97.0	98.2	99.3	100.5	101.1
100°	109.5	110.6	112.9	115.1	117.4	119.6	121.2	122.8	124.3	125.9	126.9
102.5°	139.2	140.1	141.2	142.4	143.5	144.7	146.4	148.1	149.8	151.5	152.6
105°	181.8	182.7	183.8	184.8	185.8	186.9	187.9	189.0	190.0	191.1	191.8
107.5°	228.1	228.9	229.7	230.5	231.3	232.1	232.6	233.1	233.6	234.2	234.4
110°	260.0	260.7	261.2	261.7	262.2	262.7	263.3	263.8	264.3	264.8	265.0



TEST NUMBER: P333314

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	290.8	291.4	292.0	292.7	293.4	294.0	294.3	294.5	294.7	295.0	295.0
115°	339.8	340.3	340.7	341.0	341.4	341.7	341.5	341.4	341.2	341.0	340.8
117.5°	386.4	386.8	387.1	387.4	387.7	388.0	388.1	388.3	388.4	388.6	388.3
120°	418.7	419.2	419.4	419.6	419.7	419.9	419.9	419.9	419.9	419.9	419.6
122.5°	449.0	449.4	449.8	450.3	450.7	451.2	451.0	450.9	450.8	450.6	450.3
125°	496.0	496.6	496.8	497.0	497.1	497.3	497.0	496.6	496.3	495.9	495.7
127.5°	541.1	541.5	541.7	541.9	542.2	542.4	542.2	542.0	541.8	541.7	541.4
130°	570.4	571.0	571.3	571.7	572.0	572.4	572.2	572.0	571.9	571.7	571.4
132.5°	600.8	601.4	601.4	601.3	601.2	601.2	601.0	600.8	600.6	600.5	600.1
135°	643.8	644.4	644.6	644.8	644.9	645.1	645.1	645.1	645.1	645.1	644.8
137.5°	685.6	686.3	686.7	687.0	687.4	687.8	688.0	688.2	688.4	688.6	688.3
140°	711.9	712.6	713.1	713.7	714.2	714.7	715.1	715.4	715.7	716.1	715.8
142.5°	738.3	739.0	739.6	740.3	740.9	741.6	741.8	742.0	742.2	742.4	742.1
145°	777.7	778.3	778.8	779.3	779.9	780.4	780.4	780.4	780.4	780.4	780.1
147.5°	813.0	813.4	813.9	814.3	814.7	815.1	815.5	815.9	816.4	816.8	816.4
150°	835.2	835.5	836.2	836.9	837.6	838.3	838.3	838.3	838.3	838.3	838.1
152.5°	856.9	857.2	857.4	857.7	858.0	858.3	858.7	859.1	859.5	859.9	859.8
155°	886.7	886.8	887.0	887.2	887.3	887.5	888.2	888.9	889.6	890.3	890.2
157.5°	912.7	912.6	912.8	913.0	913.1	913.3	914.0	914.7	915.4	916.1	915.9
160°	928.4	928.3	928.4	928.6	928.8	929.0	929.7	930.4	931.0	931.7	931.7
162.5°	943.4	943.2	943.2	943.3	943.3	943.4	944.2	945.0	945.9	946.7	946.6
165°	962.8	962.7	962.8	963.0	963.2	963.4	964.1	964.8	965.5	966.1	966.0
167.5°	977.6	977.3	977.3	977.3	977.3	977.3	978.3	979.4	980.4	981.5	981.4
170°	986.4	986.0	986.0	986.0	986.0	986.0	987.1	988.1	989.2	990.2	990.1
172.5°	992.6	992.3	992.3	992.3	992.3	992.3	993.3	994.4	995.4	996.5	996.5
175°	999.7	999.3	999.3	999.3	999.3	999.3	1000.4	1001.4	1002.5	1003.5	1003.4
177.5°	1003.8	1003.5	1003.4	1003.2	1003.1	1002.9	1003.8	1004.6	1005.4	1006.3	1006.2
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333314

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1749.9	1754.2	1750.5	1755.5	1750.5	1754.2	1749.9	1753.6	1759.2	1755.5	1764.2
5°	1612.8	1605.8	1610.5	1607.4	1610.5	1605.8	1612.8	1616.7	1626.1	1629.2	1635.4
7.5°	1486.2	1479.5	1471.9	1468.3	1471.9	1479.5	1486.2	1488.6	1496.5	1508.2	1517.1
10°	1407.0	1398.5	1397.7	1392.2	1397.7	1398.5	1407.0	1415.6	1421.1	1435.9	1446.0
12.5°	1349.0	1341.1	1332.2	1329.9	1332.2	1341.1	1349.0	1356.4	1358.1	1374.8	1381.8
15°	1266.7	1260.5	1255.0	1259.7	1255.0	1260.5	1266.7	1271.4	1280.0	1291.7	1299.5
17.5°	1198.3	1193.1	1192.2	1186.4	1192.2	1193.1	1198.3	1200.9	1215.0	1222.6	1236.0
20°	1155.3	1151.4	1152.9	1142.8	1152.9	1151.4	1155.3	1162.3	1176.3	1180.2	1194.2
22.5°	1121.0	1113.3	1112.4	1110.4	1112.4	1113.3	1121.0	1127.3	1130.2	1142.2	1151.8
25°	1067.2	1063.3	1059.4	1063.3	1059.4	1063.3	1067.2	1074.2	1077.3	1085.9	1095.2
27.5°	1020.2	1015.6	1014.5	1014.9	1014.5	1015.6	1020.2	1019.6	1028.0	1034.9	1041.8
30°	991.6	983.8	984.5	983.8	984.5	983.8	991.6	991.6	996.2	1002.5	1008.7
32.5°	960.4	955.1	954.0	952.6	954.0	955.1	960.4	959.1	965.0	972.5	979.4
35°	914.4	914.4	910.5	910.5	910.5	914.4	914.4	916.7	923.0	923.0	930.7
37.5°	871.2	870.4	868.1	868.4	868.1	870.4	871.2	873.1	875.2	878.5	883.5
40°	838.8	838.0	835.6	831.0	835.6	838.0	838.8	841.9	843.4	847.3	850.5
42.5°	807.6	804.9	803.8	802.3	803.8	804.9	807.6	809.5	810.4	815.5	821.8
45°	758.5	758.5	756.9	756.1	756.9	758.5	758.5	758.5	759.3	765.5	768.6
47.5°	710.8	712.2	715.1	714.7	715.1	712.2	710.8	709.5	709.8	713.0	716.5
50°	682.1	682.9	685.2	686.0	685.2	682.9	682.1	679.0	677.4	677.4	679.7
52.5°	650.3	654.8	657.8	657.3	657.8	654.8	650.3	647.8	645.0	641.2	644.8
55°	605.7	611.1	616.6	617.4	616.6	611.1	605.7	598.7	595.6	589.3	591.7
57.5°	561.6	569.2	575.0	576.8	575.0	569.2	561.6	553.1	543.0	540.1	535.7
60°	531.6	541.8	548.8	551.9	548.8	541.8	531.6	523.8	510.6	502.0	498.9
62.5°	502.9	514.3	521.3	522.0	521.3	514.3	502.9	490.8	477.5	467.7	461.5
65°	456.0	467.7	473.9	478.6	473.9	467.7	456.0	442.8	428.0	414.7	407.7
67.5°	405.5	417.2	424.1	427.8	424.1	417.2	405.5	389.1	375.6	360.3	352.0
70°	368.7	380.4	389.8	392.9	389.8	380.4	368.7	349.2	337.5	323.5	316.5
72.5°	332.5	343.0	350.5	354.2	350.5	343.0	332.5	314.3	300.7	286.7	277.2
75°	269.7	283.7	290.8	294.7	290.8	283.7	269.7	259.6	244.0	229.2	221.4
77.5°	208.0	220.8	225.0	227.0	225.0	220.8	208.0	196.1	184.3	173.5	165.9
80°	166.8	174.6	180.1	180.8	180.1	174.6	166.8	157.5	148.1	138.0	131.0
82.5°	128.2	134.7	136.4	138.4	136.4	134.7	128.2	120.0	111.9	104.3	98.5
85°	70.2	73.3	74.1	73.3	74.1	73.3	70.2	64.7	60.8	56.9	54.6
87.5°	26.5	26.0	26.1	27.5	26.1	26.0	26.5	25.2	25.6	24.2	22.8
90°	17.2	17.7	18.2	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.2
92.5°	35.8	36.1	36.5	36.9	36.5	36.1	35.8	35.4	34.6	33.5	32.3
95°	66.2	66.6	66.9	67.2	66.9	66.6	66.2	65.9	65.1	63.9	62.6
97.5°	101.3	101.5	101.8	102.0	101.8	101.5	101.3	101.1	100.5	99.3	98.2
100°	127.2	127.5	127.9	128.2	127.9	127.5	127.2	126.9	125.9	124.3	122.8
102.5°	153.1	153.5	154.0	154.5	154.0	153.5	153.1	152.6	151.5	149.8	148.1
105°	192.4	192.9	193.4	193.9	193.4	192.9	192.4	191.8	191.1	190.0	189.0
107.5°	234.4	234.3	234.3	234.3	234.3	234.3	234.4	234.4	234.2	233.6	233.1
110°	264.8	264.6	264.5	264.3	264.5	264.6	264.8	265.0	264.8	264.3	263.8



TEST NUMBER: P333314

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	294.6	294.3	294.0	293.7	294.0	294.3	294.6	295.0	295.0	294.7	294.5
115°	340.7	340.5	340.3	340.2	340.3	340.5	340.7	340.8	341.0	341.2	341.4
117.5°	387.6	386.9	386.2	385.5	386.2	386.9	387.6	388.3	388.6	388.4	388.3
120°	418.9	418.2	417.5	416.8	417.5	418.2	418.9	419.6	419.9	419.9	419.9
122.5°	449.7	449.2	448.6	448.1	448.6	449.2	449.7	450.3	450.6	450.8	450.9
125°	495.5	495.3	495.2	495.0	495.2	495.3	495.5	495.7	495.9	496.3	496.6
127.5°	541.1	540.7	540.4	540.0	540.4	540.7	541.1	541.4	541.7	541.8	542.0
130°	571.1	570.7	570.4	570.0	570.4	570.7	571.1	571.4	571.7	571.9	572.0
132.5°	599.7	599.2	598.7	598.2	598.7	599.2	599.7	600.1	600.5	600.6	600.8
135°	644.1	643.4	642.7	642.0	642.7	643.4	644.1	644.8	645.1	645.1	645.1
137.5°	687.4	686.6	685.7	684.8	685.7	686.6	687.4	688.3	688.6	688.4	688.2
140°	715.0	714.1	713.2	712.4	713.2	714.1	715.0	715.8	716.1	715.7	715.4
142.5°	741.2	740.4	739.5	738.6	739.5	740.4	741.2	742.1	742.4	742.2	742.0
145°	779.6	779.1	778.6	778.0	778.6	779.1	779.6	780.1	780.4	780.4	780.4
147.5°	815.2	814.0	812.9	811.7	812.9	814.0	815.2	816.4	816.8	816.4	815.9
150°	837.7	837.4	837.0	836.7	837.0	837.4	837.7	838.1	838.3	838.3	838.3
152.5°	859.2	858.6	858.0	857.3	858.0	858.6	859.2	859.8	859.9	859.5	859.1
155°	889.3	888.5	887.6	886.7	887.6	888.5	889.3	890.2	890.3	889.6	888.9
157.5°	914.7	913.6	912.4	911.3	912.4	913.6	914.7	915.9	916.1	915.4	914.7
160°	930.8	929.9	929.0	928.2	929.0	929.9	930.8	931.7	931.7	931.0	930.4
162.5°	945.6	944.6	943.6	942.6	943.6	944.6	945.6	946.6	946.7	945.9	945.0
165°	964.9	963.9	962.8	961.8	962.8	963.9	964.9	966.0	966.1	965.5	964.8
167.5°	980.4	979.3	978.2	977.1	978.2	979.3	980.4	981.4	981.5	980.4	979.4
170°	988.9	987.7	986.5	985.3	986.5	987.7	988.9	990.1	990.2	989.2	988.1
172.5°	995.4	994.3	993.2	992.1	993.2	994.3	995.4	996.5	996.5	995.4	994.4
175°	1002.2	1001.0	999.8	998.6	999.8	1001.0	1002.2	1003.4	1003.5	1002.5	1001.4
177.5°	1005.2	1004.3	1003.3	1002.3	1003.3	1004.3	1005.2	1006.2	1006.3	1005.4	1004.6
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333314

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1756.1	1763.6	1772.9	1779.8	1792.3	1797.9	1804.7	1810.4	1820.3	1829.7	1840.9
5°	1637.8	1651.0	1669.0	1688.4	1711.1	1726.6	1748.5	1761.7	1788.2	1812.4	1835.8
7.5°	1530.5	1546.7	1572.1	1597.1	1626.7	1653.5	1680.8	1711.1	1744.9	1784.8	1817.8
10°	1456.9	1478.8	1506.0	1537.2	1573.1	1604.3	1640.9	1673.6	1714.9	1761.7	1805.4
12.5°	1398.3	1417.0	1447.4	1477.4	1515.7	1553.7	1591.6	1635.0	1683.1	1734.9	1789.8
15°	1317.4	1333.0	1357.9	1399.2	1438.2	1475.6	1532.5	1573.1	1633.9	1691.6	1757.8
17.5°	1248.3	1267.7	1288.7	1324.1	1364.5	1411.2	1462.1	1512.9	1571.5	1644.6	1719.3
20°	1205.9	1221.5	1245.7	1273.0	1315.8	1362.6	1410.9	1462.4	1534.1	1609.7	1690.0
22.5°	1159.8	1176.6	1203.9	1233.7	1269.7	1314.6	1367.9	1424.3	1499.2	1573.5	1660.7
25°	1105.4	1117.1	1142.0	1168.5	1204.4	1242.6	1297.9	1360.3	1434.3	1519.3	1608.2
27.5°	1054.1	1064.4	1087.1	1110.2	1142.6	1188.0	1237.4	1300.4	1370.2	1456.3	1554.8
30°	1017.3	1028.2	1048.5	1073.4	1104.6	1144.3	1195.0	1254.3	1329.1	1413.3	1516.2
32.5°	985.5	995.1	1010.4	1035.4	1065.9	1104.4	1151.4	1211.8	1286.7	1372.1	1473.1
35°	936.2	947.1	958.8	978.3	1004.8	1042.2	1093.7	1150.6	1222.3	1304.9	1397.7
37.5°	887.3	899.1	909.5	927.0	951.2	984.2	1028.7	1087.9	1152.8	1232.4	1321.4
40°	856.7	866.0	874.6	893.3	917.5	948.7	990.0	1043.0	1111.6	1185.7	1259.7
42.5°	826.1	834.9	842.2	858.4	880.7	910.6	950.1	1001.8	1065.5	1134.5	1199.8
45°	778.0	783.4	792.0	806.0	824.0	851.2	889.4	935.4	989.2	1054.7	1103.8
47.5°	725.9	734.5	741.5	753.8	768.5	795.3	831.9	871.0	919.8	968.5	1003.1
50°	686.0	694.6	704.7	716.4	730.4	755.4	788.9	828.6	869.9	907.4	937.0
52.5°	648.6	656.5	667.3	678.3	695.5	716.7	745.2	780.6	821.3	848.1	872.8
55°	593.2	597.1	609.6	620.5	636.9	652.5	681.3	712.5	737.4	757.7	778.0
57.5°	536.6	541.9	549.1	558.9	575.1	593.4	613.6	641.2	655.9	666.3	682.1
60°	500.5	502.0	506.7	518.4	530.9	547.2	570.6	590.1	601.0	609.6	622.8
62.5°	460.5	460.9	468.6	477.2	486.6	504.2	523.2	539.0	548.0	552.2	564.8
65°	404.6	403.0	407.7	414.7	425.6	437.3	453.7	467.7	466.9	471.6	479.4
67.5°	347.4	345.8	345.8	352.5	361.4	371.8	383.1	391.2	391.3	397.6	401.5
70°	308.7	304.0	307.1	312.6	316.5	325.1	337.5	340.7	341.4	344.5	348.4
72.5°	268.8	267.2	269.7	272.1	274.7	281.4	292.0	293.9	294.0	295.9	302.3
75°	213.6	212.0	210.5	212.8	215.9	220.6	224.5	227.6	226.8	227.6	232.3
77.5°	160.1	155.7	155.0	156.2	157.0	159.8	163.9	163.5	164.3	164.2	169.5
80°	127.1	120.8	120.0	120.0	120.8	122.4	123.9	125.5	123.2	125.5	127.1
82.5°	93.4	89.6	89.5	88.9	89.0	89.3	90.3	91.2	90.7	91.8	92.8
85°	51.4	49.9	47.6	49.1	48.3	46.0	47.6	45.2	44.4	45.2	46.0
87.5°	20.1	20.6	19.1	18.9	18.0	18.4	16.9	16.0	15.1	15.4	17.0
90°	13.4	12.5	11.3	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8
92.5°	31.2	30.0	28.5	27.0	25.5	24.0	22.8	21.8	20.9	19.9	18.9
95°	61.4	60.2	58.5	56.7	55.0	53.3	52.2	51.9	51.5	51.2	50.8
97.5°	97.0	95.9	93.5	91.1	88.7	86.3	85.0	84.9	84.7	84.6	84.5
100°	121.2	119.6	117.4	115.1	112.9	110.6	109.5	109.5	109.5	109.5	109.5
102.5°	146.4	144.7	143.5	142.4	141.2	140.1	139.2	138.5	137.8	137.1	136.4
105°	187.9	186.9	185.8	184.8	183.8	182.7	181.8	180.9	180.0	179.2	178.3
107.5°	232.6	232.1	231.3	230.5	229.7	228.9	228.1	227.2	226.3	225.4	224.6
110°	263.3	262.7	262.2	261.7	261.2	260.7	260.0	259.1	258.2	257.4	256.5



TEST NUMBER: P333314

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	294.3	294.0	293.4	292.7	292.0	291.4	290.8	290.4	289.9	289.5	289.0
115°	341.5	341.7	341.4	341.0	340.7	340.3	339.8	339.1	338.4	337.7	337.0
117.5°	388.1	388.0	387.7	387.4	387.1	386.8	386.4	386.1	385.8	385.5	385.2
120°	419.9	419.9	419.7	419.6	419.4	419.2	418.7	417.8	417.0	416.1	415.2
122.5°	451.0	451.2	450.7	450.3	449.8	449.4	449.0	448.7	448.4	448.1	447.7
125°	497.0	497.3	497.1	497.0	496.8	496.6	496.0	495.0	493.9	492.9	491.8
127.5°	542.2	542.4	542.2	541.9	541.7	541.5	541.1	540.5	539.9	539.4	538.8
130°	572.2	572.4	572.0	571.7	571.3	571.0	570.4	569.5	568.7	567.8	566.9
132.5°	601.0	601.2	601.2	601.3	601.4	601.4	600.8	599.3	597.9	596.5	595.1
135°	645.1	645.1	644.9	644.8	644.6	644.4	643.8	642.8	641.7	640.7	639.6
137.5°	688.0	687.8	687.4	687.0	686.7	686.3	685.6	684.6	683.6	682.6	681.6
140°	715.1	714.7	714.2	713.7	713.1	712.6	711.9	711.1	710.2	709.3	708.5
142.5°	741.8	741.6	740.9	740.3	739.6	739.0	738.3	737.5	736.8	736.1	735.4
145°	780.4	780.4	779.9	779.3	778.8	778.3	777.7	777.0	776.3	775.6	774.9
147.5°	815.5	815.1	814.7	814.3	813.9	813.4	813.0	812.7	812.3	811.9	811.5
150°	838.3	838.3	837.6	836.9	836.2	835.5	835.2	835.4	835.6	835.7	835.9
152.5°	858.7	858.3	858.0	857.7	857.4	857.2	856.9	856.7	856.4	856.2	855.9
155°	888.2	887.5	887.3	887.2	887.0	886.8	886.7	886.7	886.7	886.7	886.7
157.5°	914.0	913.3	913.1	913.0	912.8	912.6	912.7	913.1	913.5	913.9	914.3
160°	929.7	929.0	928.8	928.6	928.4	928.3	928.4	929.0	929.5	930.0	930.5
162.5°	944.2	943.4	943.3	943.3	943.2	943.2	943.4	943.8	944.1	944.5	944.9
165°	964.1	963.4	963.2	963.0	962.8	962.7	962.8	963.1	963.5	963.8	964.2
167.5°	978.3	977.3	977.3	977.3	977.3	977.3	977.6	978.3	979.0	979.7	980.4
170°	987.1	986.0	986.0	986.0	986.0	986.0	986.4	987.1	987.8	988.5	989.2
172.5°	993.3	992.3	992.3	992.3	992.3	992.3	992.6	993.3	994.0	994.7	995.4
175°	1000.4	999.3	999.3	999.3	999.3	999.3	999.7	1000.4	1001.1	1001.8	1002.5
177.5°	1003.8	1002.9	1003.1	1003.2	1003.4	1003.5	1003.8	1004.4	1005.0	1005.5	1006.1
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333314

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1846.5	1855.3	1860.9	1871.5	1880.2	1885.2	1889.6	1893.3	1897.7	1901.4	1912.0
5°	1858.4	1878.6	1895.8	1922.3	1946.5	1965.2	1985.4	2003.4	2018.2	2039.2	2055.6
7.5°	1853.2	1889.2	1927.0	1968.0	2009.9	2048.9	2084.8	2118.3	2148.7	2185.5	2217.7
10°	1848.2	1897.4	1945.7	2001.0	2057.9	2106.3	2151.5	2197.5	2231.0	2277.8	2317.5
12.5°	1844.5	1902.3	1960.7	2027.2	2089.7	2158.0	2218.2	2251.7	2302.7	2340.1	2387.4
15°	1828.8	1905.2	1985.4	2060.3	2149.1	2212.3	2265.3	2330.8	2378.3	2425.9	2477.3
17.5°	1800.5	1887.1	1976.9	2074.9	2160.2	2228.0	2296.3	2359.5	2416.2	2480.0	2544.0
20°	1787.4	1874.0	1976.9	2077.4	2160.8	2231.8	2301.9	2371.3	2433.7	2515.5	2589.6
22.5°	1760.0	1864.6	1959.4	2057.5	2143.4	2220.5	2300.1	2378.8	2461.7	2554.2	2646.9
25°	1711.1	1817.1	1917.6	2014.3	2100.8	2197.5	2282.4	2387.7	2493.7	2616.1	2731.4
27.5°	1660.2	1761.7	1853.9	1947.2	2048.1	2157.6	2267.8	2387.2	2526.0	2680.5	2843.2
30°	1619.1	1714.9	1804.6	1900.5	2005.7	2128.9	2249.7	2391.6	2552.2	2726.0	2919.3
32.5°	1571.0	1659.4	1746.6	1848.1	1962.7	2092.7	2233.5	2389.1	2582.1	2779.6	2978.6
35°	1488.9	1562.9	1652.6	1760.9	1890.3	2039.2	2202.2	2386.1	2607.5	2834.3	3001.9
37.5°	1391.4	1460.4	1554.8	1673.6	1809.3	1969.1	2162.4	2380.7	2615.8	2796.6	2850.7
40°	1326.0	1389.9	1488.1	1611.3	1750.0	1919.2	2131.2	2362.0	2589.6	2704.9	2660.5
42.5°	1256.1	1323.2	1418.9	1540.8	1690.2	1874.3	2091.9	2322.7	2513.5	2557.1	2403.6
45°	1145.9	1215.3	1309.6	1432.8	1593.3	1792.9	2019.7	2229.4	2339.3	2260.6	2022.9
47.5°	1043.5	1108.5	1195.9	1323.0	1488.7	1695.1	1913.6	2080.9	2089.6	1901.7	1647.8
50°	973.6	1033.6	1121.7	1248.8	1413.3	1622.2	1819.4	1951.1	1891.9	1679.1	1435.1
52.5°	905.0	963.8	1050.6	1176.5	1339.1	1530.5	1714.0	1806.5	1694.8	1476.4	1268.0
55°	806.0	857.5	942.4	1058.6	1212.9	1390.7	1546.6	1578.5	1433.5	1218.4	1049.2
57.5°	709.4	757.4	834.7	941.7	1082.8	1240.2	1362.1	1355.3	1202.0	1017.4	883.2
60°	643.9	690.7	759.3	863.7	992.3	1128.0	1232.4	1207.5	1055.5	896.5	783.4
62.5°	585.3	627.0	691.9	783.3	900.7	1026.3	1112.1	1075.3	926.4	787.3	698.0
65°	498.9	534.0	589.3	667.3	764.7	868.4	934.6	887.1	760.0	651.7	580.0
67.5°	416.4	444.5	490.9	553.1	636.2	719.5	759.9	712.0	610.4	531.3	478.2
70°	364.0	389.0	424.8	480.2	552.7	622.8	653.2	610.4	523.1	455.2	417.0
72.5°	311.7	332.2	363.7	413.5	471.6	532.4	559.1	518.1	446.4	389.1	353.4
75°	240.9	254.9	276.7	311.0	357.0	405.4	420.2	384.3	338.3	295.4	272.1
77.5°	172.4	184.3	200.8	222.5	255.1	285.8	298.7	278.0	242.4	215.3	196.1
80°	132.5	138.8	152.8	170.7	196.4	215.9	224.5	211.3	186.3	166.0	151.2
82.5°	94.5	100.7	109.1	123.9	140.3	153.6	162.8	153.9	135.8	119.9	111.3
85°	46.0	49.9	54.6	60.8	73.3	81.1	80.3	74.8	67.8	61.6	56.9
87.5°	16.6	17.6	19.7	23.1	25.2	28.0	29.5	28.5	26.2	24.5	22.8
90°	2.2	3.6	5.0	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.2
92.5°	19.9	20.9	21.8	22.8	24.0	25.5	27.0	28.5	30.0	31.2	32.3
95°	51.2	51.5	51.9	52.2	53.3	55.0	56.7	58.5	60.2	61.4	62.6
97.5°	84.6	84.7	84.9	85.0	86.3	88.7	91.1	93.5	95.9	97.0	98.2
100°	109.5	109.5	109.5	109.5	110.6	112.9	115.1	117.4	119.6	121.2	122.8
102.5°	137.1	137.8	138.5	139.2	140.1	141.2	142.4	143.5	144.7	146.4	148.1
105°	179.2	180.0	180.9	181.8	182.7	183.8	184.8	185.8	186.9	187.9	189.0
107.5°	225.4	226.3	227.2	228.1	228.9	229.7	230.5	231.3	232.1	232.6	233.1
110°	257.4	258.2	259.1	260.0	260.7	261.2	261.7	262.2	262.7	263.3	263.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	289.5	289.9	290.4	290.8	291.4	292.0	292.7	293.4	294.0	294.3	294.5
115°	337.7	338.4	339.1	339.8	340.3	340.7	341.0	341.4	341.7	341.5	341.4
117.5°	385.5	385.8	386.1	386.4	386.8	387.1	387.4	387.7	388.0	388.1	388.3
120°	416.1	417.0	417.8	418.7	419.2	419.4	419.6	419.7	419.9	419.9	419.9
122.5°	448.1	448.4	448.7	449.0	449.4	449.8	450.3	450.7	451.2	451.0	450.9
125°	492.9	493.9	495.0	496.0	496.6	496.8	497.0	497.1	497.3	497.0	496.6
127.5°	539.4	539.9	540.5	541.1	541.5	541.7	541.9	542.2	542.4	542.2	542.0
130°	567.8	568.7	569.5	570.4	571.0	571.3	571.7	572.0	572.4	572.2	572.0
132.5°	596.5	597.9	599.3	600.8	601.4	601.4	601.3	601.2	601.2	601.0	600.8
135°	640.7	641.7	642.8	643.8	644.4	644.6	644.8	644.9	645.1	645.1	645.1
137.5°	682.6	683.6	684.6	685.6	686.3	686.7	687.0	687.4	687.8	688.0	688.2
140°	709.3	710.2	711.1	711.9	712.6	713.1	713.7	714.2	714.7	715.1	715.4
142.5°	736.1	736.8	737.5	738.3	739.0	739.6	740.3	740.9	741.6	741.8	742.0
145°	775.6	776.3	777.0	777.7	778.3	778.8	779.3	779.9	780.4	780.4	780.4
147.5°	811.9	812.3	812.7	813.0	813.4	813.9	814.3	814.7	815.1	815.5	815.9
150°	835.7	835.6	835.4	835.2	835.5	836.2	836.9	837.6	838.3	838.3	838.3
152.5°	856.2	856.4	856.7	856.9	857.2	857.4	857.7	858.0	858.3	858.7	859.1
155°	886.7	886.7	886.7	886.7	886.8	887.0	887.2	887.3	887.5	888.2	888.9
157.5°	913.9	913.5	913.1	912.7	912.6	912.8	913.0	913.1	913.3	914.0	914.7
160°	930.0	929.5	929.0	928.4	928.3	928.4	928.6	928.8	929.0	929.7	930.4
162.5°	944.5	944.1	943.8	943.4	943.2	943.2	943.3	943.3	943.4	944.2	945.0
165°	963.8	963.5	963.1	962.8	962.7	962.8	963.0	963.2	963.4	964.1	964.8
167.5°	979.7	979.0	978.3	977.6	977.3	977.3	977.3	977.3	977.3	978.3	979.4
170°	988.5	987.8	987.1	986.4	986.0	986.0	986.0	986.0	986.0	987.1	988.1
172.5°	994.7	994.0	993.3	992.6	992.3	992.3	992.3	992.3	992.3	993.3	994.4
175°	1001.8	1001.1	1000.4	999.7	999.3	999.3	999.3	999.3	999.3	1000.4	1001.4
177.5°	1005.5	1005.0	1004.4	1003.8	1003.5	1003.4	1003.2	1003.1	1002.9	1003.8	1004.6
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1920.7	1925.7	1936.3	1932.6	1937.6	1940.1	1942.6
5°	2075.9	2100.8	2111.7	2110.2	2126.5	2122.6	2118.7
7.5°	2251.1	2277.3	2292.0	2310.2	2320.8	2321.6	2330.8
10°	2350.3	2384.6	2398.6	2418.1	2430.6	2437.6	2436.8
12.5°	2426.3	2453.2	2484.6	2494.2	2511.0	2519.9	2516.6
15°	2517.9	2560.7	2593.5	2609.8	2630.9	2637.1	2645.7
17.5°	2599.6	2657.1	2695.3	2746.1	2765.3	2777.0	2770.1
20°	2661.3	2736.9	2775.1	2835.9	2869.4	2887.4	2881.1
22.5°	2734.3	2816.1	2886.7	2939.4	2990.4	3014.6	3019.6
25°	2859.3	2971.5	3075.2	3144.6	3207.7	3222.5	3255.3
27.5°	2999.0	3131.3	3242.2	3315.2	3359.1	3375.6	3385.9
30°	3086.9	3218.6	3302.1	3348.8	3362.9	3361.3	3359.7
32.5°	3129.9	3212.4	3228.5	3215.4	3183.3	3156.1	3127.8
35°	3069.0	3007.4	2915.4	2796.9	2709.6	2621.5	2613.0
37.5°	2760.1	2563.2	2410.1	2239.1	2140.4	2079.5	2037.4
40°	2469.5	2245.8	2060.3	1916.1	1815.5	1775.8	1736.8
42.5°	2154.0	1940.2	1775.9	1655.4	1579.8	1535.7	1504.8
45°	1750.0	1561.4	1432.8	1345.5	1285.4	1251.1	1231.6
47.5°	1434.0	1294.5	1185.2	1122.2	1080.7	1054.1	1054.2
50°	1264.4	1131.1	1058.6	1008.7	972.8	951.8	955.7
52.5°	1114.1	1014.5	952.6	910.8	884.3	871.3	870.9
55°	931.5	859.8	819.3	788.9	770.9	756.1	759.3
57.5°	796.8	736.3	709.2	684.0	671.5	665.6	657.0
60°	713.3	666.5	643.1	622.8	610.4	605.7	597.1
62.5°	639.1	602.3	579.5	563.0	551.7	550.2	543.5
65°	537.1	509.0	488.8	481.0	469.3	466.2	466.2
67.5°	442.8	422.7	406.9	399.7	394.6	395.4	391.6
70°	383.5	367.2	357.0	349.2	345.3	346.1	343.0
72.5°	335.5	317.3	308.4	303.7	298.6	300.6	299.3
75°	254.1	244.8	240.1	235.4	232.3	230.7	229.2
77.5°	186.6	178.4	174.8	172.1	172.6	168.8	171.8
80°	144.2	137.2	134.9	131.0	130.2	130.2	129.4
82.5°	105.5	101.6	99.9	96.7	95.3	96.5	94.5
85°	54.6	51.4	50.7	50.7	49.1	47.6	51.4
87.5°	23.0	20.7	20.8	20.3	20.4	19.9	18.7
90°	15.1	16.0	16.7	17.2	17.7	18.2	18.8
92.5°	33.5	34.6	35.4	35.8	36.1	36.5	36.9
95°	63.9	65.1	65.9	66.2	66.6	66.9	67.2
97.5°	99.3	100.5	101.1	101.3	101.5	101.8	102.0
100°	124.3	125.9	126.9	127.2	127.5	127.9	128.2
102.5°	149.8	151.5	152.6	153.1	153.5	154.0	154.5
105°	190.0	191.1	191.8	192.4	192.9	193.4	193.9
107.5°	233.6	234.2	234.4	234.4	234.3	234.3	234.3
110°	264.3	264.8	265.0	264.8	264.6	264.5	264.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	294.7	295.0	295.0	294.6	294.3	294.0	293.7
115°	341.2	341.0	340.8	340.7	340.5	340.3	340.2
117.5°	388.4	388.6	388.3	387.6	386.9	386.2	385.5
120°	419.9	419.9	419.6	418.9	418.2	417.5	416.8
122.5°	450.8	450.6	450.3	449.7	449.2	448.6	448.1
125°	496.3	495.9	495.7	495.5	495.3	495.2	495.0
127.5°	541.8	541.7	541.4	541.1	540.7	540.4	540.0
130°	571.9	571.7	571.4	571.1	570.7	570.4	570.0
132.5°	600.6	600.5	600.1	599.7	599.2	598.7	598.2
135°	645.1	645.1	644.8	644.1	643.4	642.7	642.0
137.5°	688.4	688.6	688.3	687.4	686.6	685.7	684.8
140°	715.7	716.1	715.8	715.0	714.1	713.2	712.4
142.5°	742.2	742.4	742.1	741.2	740.4	739.5	738.6
145°	780.4	780.4	780.1	779.6	779.1	778.6	778.0
147.5°	816.4	816.8	816.4	815.2	814.0	812.9	811.7
150°	838.3	838.3	838.1	837.7	837.4	837.0	836.7
152.5°	859.5	859.9	859.8	859.2	858.6	858.0	857.3
155°	889.6	890.3	890.2	889.3	888.5	887.6	886.7
157.5°	915.4	916.1	915.9	914.7	913.6	912.4	911.3
160°	931.0	931.7	931.7	930.8	929.9	929.0	928.2
162.5°	945.9	946.7	946.6	945.6	944.6	943.6	942.6
165°	965.5	966.1	966.0	964.9	963.9	962.8	961.8
167.5°	980.4	981.5	981.4	980.4	979.3	978.2	977.1
170°	989.2	990.2	990.1	988.9	987.7	986.5	985.3
172.5°	995.4	996.5	996.5	995.4	994.3	993.2	992.1
175°	1002.5	1003.5	1003.4	1002.2	1001.0	999.8	998.6
177.5°	1005.4	1006.3	1006.2	1005.2	1004.3	1003.3	1002.3
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8

(END OF REPORT)