

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: P333306

Luminaire Tested: **S125DIP-S1270D590U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333306  
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: S125DIP-S1270D590U835-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7305.8 lumens  
Efficiency: N/A  
Efficacy: 132.6 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

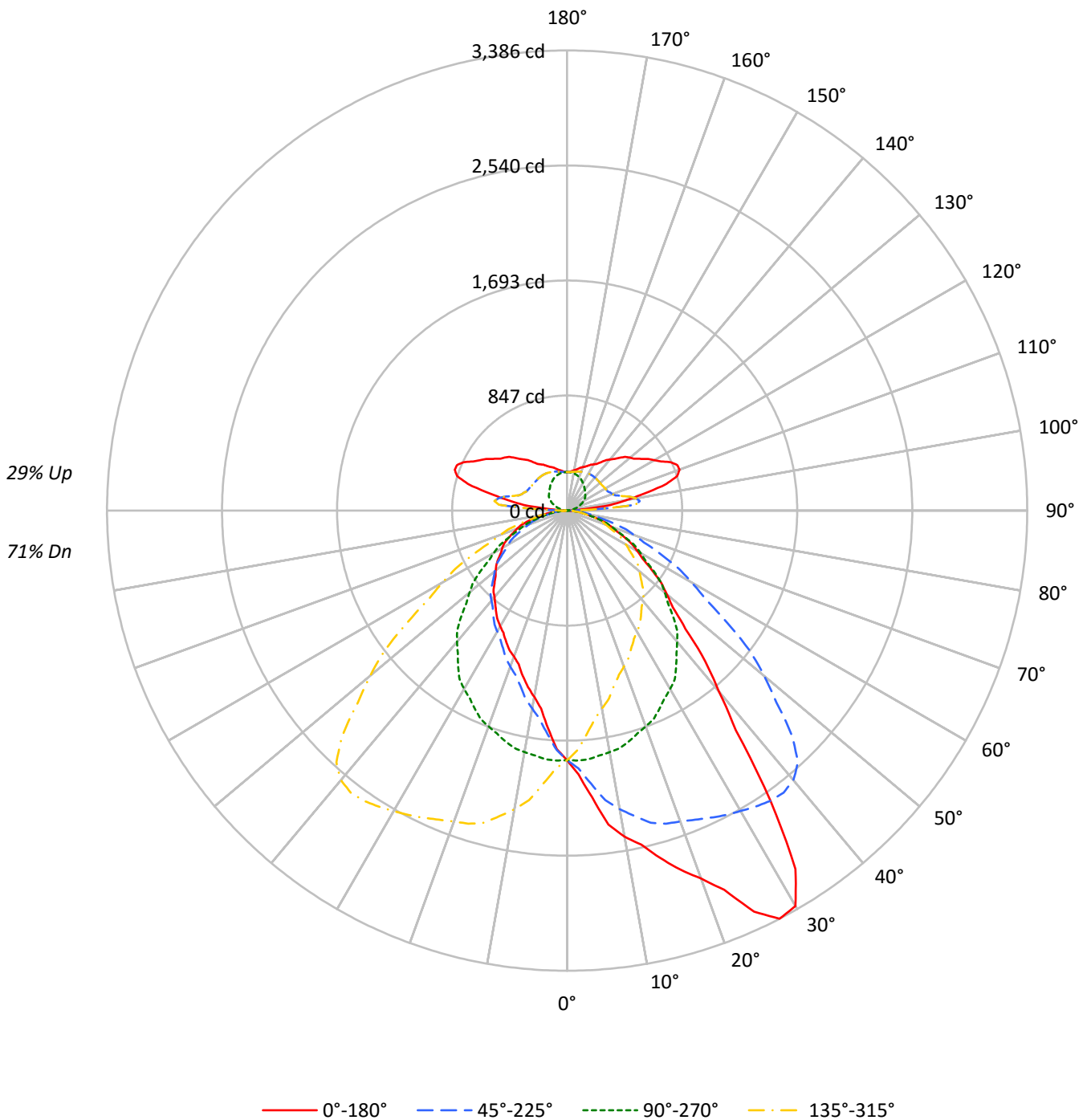
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20										
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	95	95	95	85	85	85	75	75	75	75	75	75	75	75	75	71														
1	103	98	95	91	97	93	90	87	84	81	79	75	73	71	67	66	64	64	64	64	64	64	64	60														
2	94	86	80	75	89	82	77	72	74	70	66	66	63	60	59	57	55	55	55	55	55	55	55	51														
3	86	76	69	63	81	72	66	60	65	60	56	59	55	51	53	50	47	47	47	47	47	47	47	44														
4	79	68	60	53	74	64	57	52	58	52	48	53	48	44	47	44	41	41	41	41	41	41	41	38														
5	72	61	52	46	68	58	50	44	52	46	41	47	42	38	43	39	35	35	35	35	35	35	35	33														
6	67	54	46	40	63	52	44	39	47	41	36	43	38	34	39	35	31	31	31	31	31	31	31	29														
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	36	31	28	28	28	28	28	28	28	26														
8	58	45	37	31	54	43	36	31	39	33	29	36	31	27	33	28	25	25	25	25	25	25	25	23														
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	23	23	23	23	23	23	23	21														
10	50	38	30	25	48	36	29	25	33	27	23	31	25	22	28	24	21	21	21	21	21	21	21	19														

**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	2.4
10°-20°	526.4	7.2
20°-30°	854.8	11.7
30°-40°	1042.7	14.3
40°-50°	948.5	13.0
50°-60°	755.5	10.3
60°-70°	526.2	7.2
70°-80°	280.6	3.8
80°-90°	72.4	1.0
90°-100°	205.1	2.8
100°-110°	440.9	6.0
110°-120°	413.8	5.7
120°-130°	335.3	4.6
130°-140°	269.1	3.7
140°-150°	203.1	2.8
150°-160°	142.9	2.0
160°-170°	84.3	1.2
170°-180°	27.4	0.4
0°-30°	1558.0	21.3
0°-40°	2600.7	35.6
0°-60°	4304.7	58.9
0°-90°	5184.0	71.0
90°-120°	1059.7	14.5
90°-150°	1867.2	25.6
90°-180°	2122.0	29.0
0°-180°	7305.8	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°	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°	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°	17.6	18.8	19.3	19.3	20.0	19.7	22.1	22.0	23.8	25.5	27.8
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°	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°	28.9	27.4	24.8	22.7	19.4	17.3	16.4	17.0	15.2	14.8	15.7
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: P333306

CATALOG NUMBER: S125DIP-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: P333306

CATALOG NUMBER: S125DIP-S1270D590U835-4F0-1E-UDD-A4

**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°	16.5	18.0	17.5	18.3	18.4	19.9	19.4	22.0	23.4	24.7	24.3
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: P333306

CATALOG NUMBER: S125DIP-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: P333306

CATALOG NUMBER: S125DIP-S1270D590U835-4F0-1E-UDD-A4

**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°	25.6	25.0	25.1	26.3	25.1	25.0	25.6	24.3	24.7	23.4	22.0
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: P333306

CATALOG NUMBER: S125DIP-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: P333306

CATALOG NUMBER: S125DIP-S1270D590U835-4F0-1E-UDD-A4

**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°	19.4	19.9	18.4	18.3	17.5	18.0	16.5	15.7	14.8	15.2	17.0
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: P333306

CATALOG NUMBER: S125DIP-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: P333306

CATALOG NUMBER: S125DIP-S1270D590U835-4F0-1E-UDD-A4

**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°	16.4	17.3	19.4	22.7	24.8	27.4	28.9	27.8	25.5	23.8	22.0
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





TEST NUMBER: P333306

CATALOG NUMBER: S125DIP-S1270D590U835-4F0-1E-UDD-A4

**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



TEST NUMBER: P333306

CATALOG NUMBER: S125DIP-S1270D590U835-4F0-1E-UDD-A4

**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°	22.1	19.7	20.0	19.3	19.3	18.8	17.6
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



TEST NUMBER: P333306

CATALOG NUMBER: S125DIP-S1270D590U835-4F0-1E-UDD-A4

**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)