

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: P333315

Luminaire Tested: **S125DIP-S1270D810U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333315  
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-S1270D810U835-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8092.9 lumens  
Efficiency: N/A  
Efficacy: 133.3 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

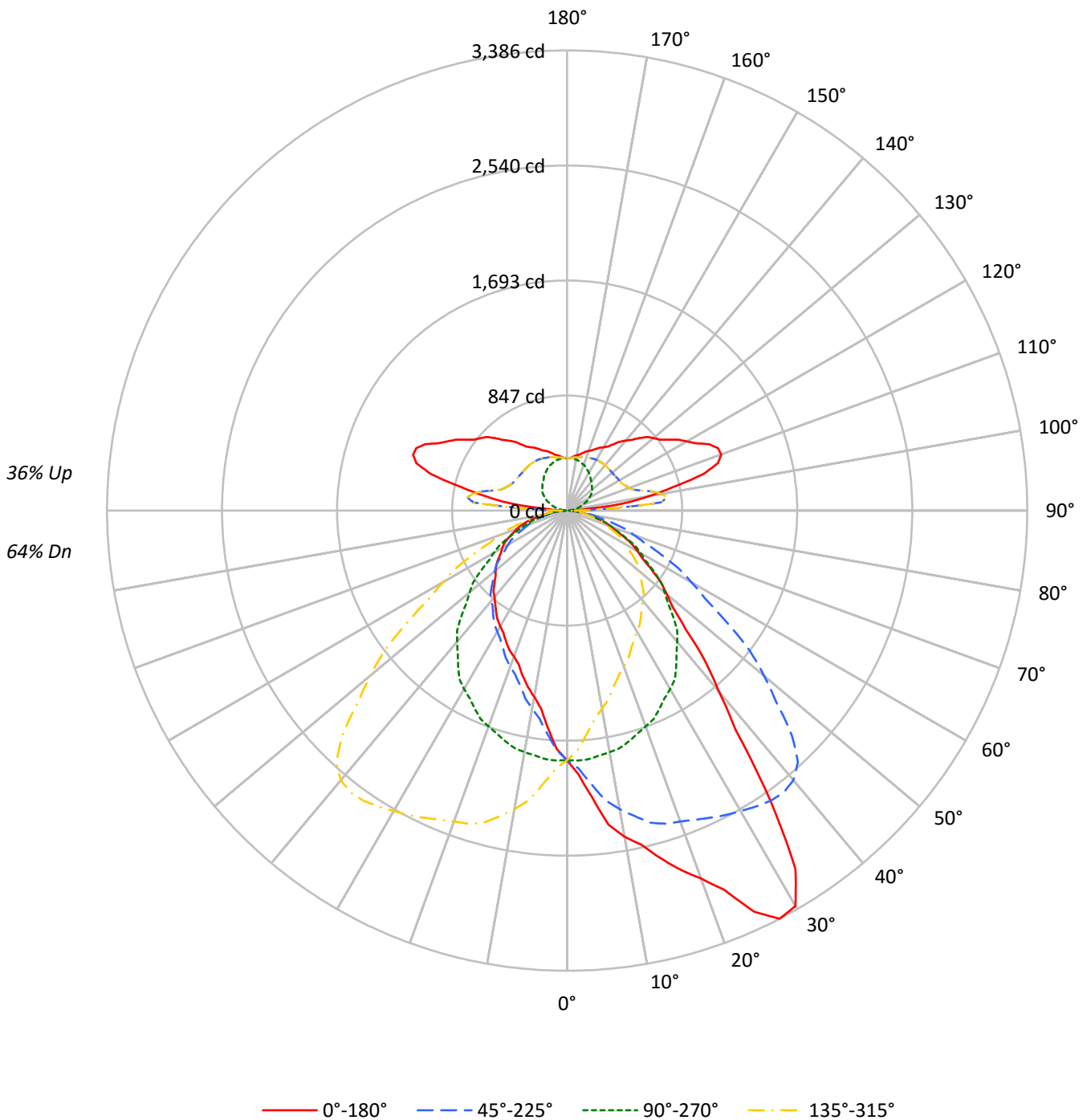
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110	110	104	104	104	104	91	91	91	80	80	80	69	69	69	64
1	101	97	93	90	95	91	88	85	80	78	76	71	69	67	62	60	59	55
2	92	85	79	74	87	80	75	70	71	67	63	62	59	56	54	52	50	46
3	84	75	68	62	79	71	64	59	63	58	53	55	51	48	48	45	43	39
4	77	67	59	52	72	63	56	50	56	50	46	49	45	41	43	40	37	34
5	71	59	51	45	67	56	49	43	50	44	40	44	40	36	39	35	32	30
6	66	53	45	39	61	51	43	38	45	39	35	40	35	32	36	32	29	26
7	61	48	40	35	57	46	38	33	41	35	31	37	32	28	33	29	25	23
8	56	44	36	31	53	42	35	30	38	32	27	34	29	25	30	26	23	21
9	53	40	33	27	49	38	31	26	34	29	24	31	26	23	28	24	21	19
10	49	37	30	25	46	35	28	24	32	26	22	29	24	20	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	6.5
20°-30°	854.8	10.6
30°-40°	1042.7	12.9
40°-50°	948.5	11.7
50°-60°	755.5	9.3
60°-70°	526.2	6.5
70°-80°	280.6	3.5
80°-90°	73.0	0.9
90°-100°	281.1	3.5
100°-110°	604.3	7.5
110°-120°	567.1	7.0
120°-130°	459.6	5.7
130°-140°	368.8	4.6
140°-150°	278.3	3.4
150°-160°	195.9	2.4
160°-170°	115.5	1.4
170°-180°	37.6	0.5
0°-30°	1558.0	19.3
0°-40°	2600.7	32.1
0°-60°	4304.7	53.2
0°-90°	5184.6	64.1
90°-120°	1452.5	17.9
90°-150°	2559.3	31.6
90°-180°	2908.0	35.9
0°-180°	8092.9	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°	18	1	18	1	18	14
95°	184	26	184	26	184	260
105°	1036	88	1036	88	1036	1030
115°	1154	158	1154	158	1154	1128
125°	909	219	909	219	909	823
135°	755	256	755	256	755	585
145°	596	299	596	299	596	379
155°	500	341	500	341	500	233
165°	438	372	438	372	438	125
175°	393	387	393	387	393	38
180°	388	388	388	388	388	



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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°	18.6	19.8	20.3	20.3	20.9	20.6	22.9	22.8	24.5	26.2	28.4
90°	18.0	18.0	17.2	17.2	17.2	15.6	14.9	14.1	13.3	12.5	10.9
92.5°	49.9	51.1	52.2	54.1	64.1	75.7	100.6	138.6	204.1	252.1	256.1
95°	183.7	196.3	202.5	226.0	281.5	347.2	443.3	562.2	677.9	692.8	565.3
97.5°	444.1	454.1	476.8	520.6	568.9	660.2	753.9	837.3	857.7	739.8	504.8
100°	609.9	622.4	651.3	707.6	761.6	842.9	923.4	961.7	901.5	706.1	450.4
102.5°	795.0	804.4	835.8	875.9	933.6	988.6	1027.3	1003.6	875.3	646.6	409.1
105°	1036.0	1045.4	1061.0	1086.8	1111.9	1120.5	1086.1	978.9	791.3	566.9	369.1
107.5°	1163.9	1170.2	1175.3	1175.5	1162.8	1122.0	1033.7	890.7	705.6	512.0	352.2
110°	1206.5	1206.5	1201.0	1186.1	1150.9	1084.5	974.2	825.7	656.8	486.3	347.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1201.5	1195.8	1182.2	1156.7	1105.3	1026.9	915.4	774.4	620.5	471.3	347.2
115°	1154.1	1143.9	1122.0	1084.5	1023.5	938.3	831.2	710.0	580.9	455.1	349.5
117.5°	1071.0	1064.8	1043.0	1004.3	943.3	865.1	772.8	668.4	557.3	447.1	354.7
120°	1017.2	1011.0	989.9	952.3	894.5	825.7	739.7	645.8	544.2	443.3	359.7
122.5°	969.7	964.1	943.0	908.6	857.0	792.5	715.9	629.0	532.9	440.2	364.0
125°	909.3	901.5	884.3	852.3	808.5	752.2	684.2	604.4	517.6	436.3	371.4
127.5°	857.7	854.3	838.0	809.7	770.0	717.3	653.8	579.4	503.5	434.4	379.7
130°	829.6	824.9	809.3	783.5	744.4	693.5	632.6	563.7	494.2	433.2	384.7
132.5°	801.4	796.1	781.7	755.9	716.8	667.9	612.5	548.1	486.7	433.2	390.3
135°	755.3	750.6	736.5	710.7	676.3	631.8	581.7	527.8	477.7	433.2	398.0
137.5°	706.1	700.9	687.9	664.5	633.6	595.8	554.2	510.6	469.8	434.1	405.0
140°	671.6	667.7	656.0	635.7	606.7	573.9	537.9	501.2	466.0	434.7	408.1
142.5°	639.7	636.5	625.4	608.2	583.6	555.1	524.2	493.1	462.9	435.4	410.0
145°	595.8	592.7	584.1	570.8	552.0	530.9	506.7	482.4	458.2	434.7	412.1
147.5°	558.6	557.2	552.2	541.5	526.7	510.7	492.1	472.4	453.3	432.7	412.8
150°	537.9	537.2	534.0	524.7	512.9	498.8	484.0	466.8	449.6	430.8	412.8
152.5°	521.7	520.9	517.8	510.3	500.4	489.5	475.9	460.5	445.2	428.3	412.2
155°	499.6	498.8	496.5	491.0	483.2	474.6	463.7	451.2	437.9	423.8	410.5
157.5°	479.9	480.1	477.9	473.4	467.3	460.5	452.1	441.8	431.0	419.1	408.5
160°	466.8	467.6	466.0	462.1	456.6	451.2	443.3	435.5	425.4	416.0	406.6
162.5°	454.9	455.1	454.7	451.5	447.2	442.4	435.8	428.6	420.3	412.2	404.7
165°	437.9	437.9	437.9	436.3	433.2	429.3	424.6	419.1	412.8	406.6	401.9
167.5°	422.2	422.4	423.0	421.6	420.0	417.2	413.6	410.0	405.5	401.1	397.5
170°	412.8	413.6	413.6	412.8	411.3	409.7	407.4	405.0	401.1	398.0	395.6
172.5°	404.1	404.9	406.1	404.7	404.4	403.5	401.7	399.4	396.7	394.2	393.1
175°	393.3	394.1	395.6	394.9	394.9	394.9	393.3	393.3	390.9	390.2	390.2
177.5°	387.8	387.8	389.7	389.1	389.7	389.7	389.7	389.1	388.4	387.8	387.8
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



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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	27.9	25.3	23.1	19.6	17.5	16.5	17.0	15.3	15.0	15.9
90°	10.2	8.6	7.8	6.3	4.7	3.1	1.6	0.8	1.6	3.1	4.7
92.5°	178.4	106.8	64.1	41.3	27.8	18.1	11.6	9.5	11.6	18.1	27.8
95°	349.5	177.5	93.8	58.6	41.4	32.8	26.6	25.8	26.6	32.8	41.4
97.5°	279.0	152.9	97.6	72.2	56.8	48.2	43.8	42.8	43.8	48.2	56.8
100°	253.3	151.7	106.3	82.9	68.0	59.4	56.3	54.7	56.3	59.4	68.0
102.5°	242.7	157.3	117.0	94.1	80.5	71.3	68.8	67.9	68.8	71.3	80.5
105°	238.5	168.9	134.5	112.6	100.1	92.3	88.4	88.4	88.4	92.3	100.1
107.5°	245.7	186.1	152.8	133.1	120.1	113.7	109.9	108.4	109.9	113.7	120.1
110°	252.6	198.6	166.5	146.2	134.5	127.4	124.3	122.8	124.3	127.4	134.5





TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	261.3	210.5	179.7	160.0	148.2	141.2	138.7	137.1	138.7	141.2	148.2
115°	274.4	229.1	200.2	180.6	168.9	161.9	159.5	157.9	159.5	161.9	168.9
117.5°	289.5	248.2	220.8	201.9	188.6	181.6	179.1	176.7	179.1	181.6	188.6
120°	299.5	261.9	234.6	215.0	201.7	194.7	191.6	189.2	191.6	194.7	201.7
122.5°	310.7	275.1	247.7	228.2	213.6	206.6	204.1	202.4	204.1	206.6	213.6
125°	326.0	292.4	266.6	246.3	231.4	224.4	220.5	218.9	220.5	224.4	231.4
127.5°	340.1	309.2	284.3	264.0	248.2	239.3	234.3	231.9	234.3	239.3	248.2
130°	349.5	319.8	295.6	275.2	258.8	248.6	242.4	240.0	242.4	248.6	258.8
132.5°	357.6	329.8	305.6	285.2	268.2	256.8	249.3	246.3	249.3	256.8	268.2
135°	369.1	343.3	319.0	297.9	281.5	269.0	259.6	256.5	259.6	269.0	281.5
137.5°	377.5	352.8	330.7	309.0	292.9	280.4	271.6	269.3	271.6	280.4	292.9
140°	383.1	359.7	337.0	315.9	301.0	288.5	279.1	276.8	279.1	288.5	301.0
142.5°	386.3	364.0	342.6	322.8	308.5	296.0	287.3	285.5	287.3	296.0	308.5
145°	390.9	371.4	351.1	333.1	319.0	308.1	300.2	298.7	300.2	308.1	319.0
147.5°	393.8	376.1	358.3	342.5	330.3	320.1	313.4	312.4	313.4	320.1	330.3
150°	395.6	379.2	362.0	348.7	337.8	327.6	322.1	320.6	322.1	327.6	337.8
152.5°	396.9	382.3	366.4	354.4	344.0	335.1	330.3	329.3	330.3	335.1	344.0
155°	398.0	385.5	372.2	361.2	353.4	345.6	340.9	340.9	340.9	345.6	353.4
157.5°	398.8	388.1	376.7	368.4	361.5	354.8	351.1	351.2	351.1	354.8	361.5
160°	398.8	389.4	379.2	372.2	365.9	360.5	357.3	358.1	357.3	360.5	365.9
162.5°	398.1	390.6	381.7	375.9	370.9	366.1	363.0	363.7	363.0	366.1	370.9
165°	397.2	390.9	384.7	380.0	376.9	373.0	370.6	372.2	370.6	373.0	376.9
167.5°	395.3	390.9	385.8	382.8	380.6	378.4	377.0	377.8	377.0	378.4	380.6
170°	394.1	390.9	387.0	384.7	383.1	381.6	380.8	381.6	380.8	381.6	383.1
172.5°	392.8	390.3	387.0	385.9	385.0	383.4	382.7	384.1	382.7	383.4	385.0
175°	390.9	389.4	387.0	387.0	387.0	386.3	385.5	387.0	385.5	386.3	387.0
177.5°	389.1	388.4	387.2	387.2	387.8	387.2	387.2	388.4	387.2	387.2	387.8
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-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°	16.8	18.4	17.9	18.9	19.0	20.6	20.1	22.8	24.2	25.6	25.3
90°	6.3	7.8	8.6	10.2	10.9	12.5	13.3	14.1	14.9	15.6	17.2
92.5°	41.3	64.1	106.8	178.4	256.1	252.1	204.1	138.6	100.6	75.7	64.1
95°	58.6	93.8	177.5	349.5	565.3	692.8	677.9	562.2	443.3	347.2	281.5
97.5°	72.2	97.6	152.9	279.0	504.8	739.8	857.7	837.3	753.9	660.2	568.9
100°	82.9	106.3	151.7	253.3	450.4	706.1	901.5	961.7	923.4	842.9	761.6
102.5°	94.1	117.0	157.3	242.7	409.1	646.6	875.3	1003.6	1027.3	988.6	933.6
105°	112.6	134.5	168.9	238.5	369.1	566.9	791.3	978.9	1086.1	1120.5	1111.9
107.5°	133.1	152.8	186.1	245.7	352.2	512.0	705.6	890.7	1033.7	1122.0	1162.8
110°	146.2	166.5	198.6	252.6	347.2	486.3	656.8	825.7	974.2	1084.5	1150.9



TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	160.0	179.7	210.5	261.3	347.2	471.3	620.5	774.4	915.4	1026.9	1105.3
115°	180.6	200.2	229.1	274.4	349.5	455.1	580.9	710.0	831.2	938.3	1023.5
117.5°	201.9	220.8	248.2	289.5	354.7	447.1	557.3	668.4	772.8	865.1	943.3
120°	215.0	234.6	261.9	299.5	359.7	443.3	544.2	645.8	739.7	825.7	894.5
122.5°	228.2	247.7	275.1	310.7	364.0	440.2	532.9	629.0	715.9	792.5	857.0
125°	246.3	266.6	292.4	326.0	371.4	436.3	517.6	604.4	684.2	752.2	808.5
127.5°	264.0	284.3	309.2	340.1	379.7	434.4	503.5	579.4	653.8	717.3	770.0
130°	275.2	295.6	319.8	349.5	384.7	433.2	494.2	563.7	632.6	693.5	744.4
132.5°	285.2	305.6	329.8	357.6	390.3	433.2	486.7	548.1	612.5	667.9	716.8
135°	297.9	319.0	343.3	369.1	398.0	433.2	477.7	527.8	581.7	631.8	676.3
137.5°	309.0	330.7	352.8	377.5	405.0	434.1	469.8	510.6	554.2	595.8	633.6
140°	315.9	337.0	359.7	383.1	408.1	434.7	466.0	501.2	537.9	573.9	606.7
142.5°	322.8	342.6	364.0	386.3	410.0	435.4	462.9	493.1	524.2	555.1	583.6
145°	333.1	351.1	371.4	390.9	412.1	434.7	458.2	482.4	506.7	530.9	552.0
147.5°	342.5	358.3	376.1	393.8	412.8	432.7	453.3	472.4	492.1	510.7	526.7
150°	348.7	362.0	379.2	395.6	412.8	430.8	449.6	466.8	484.0	498.8	512.9
152.5°	354.4	366.4	382.3	396.9	412.2	428.3	445.2	460.5	475.9	489.5	500.4
155°	361.2	372.2	385.5	398.0	410.5	423.8	437.9	451.2	463.7	474.6	483.2
157.5°	368.4	376.7	388.1	398.8	408.5	419.1	431.0	441.8	452.1	460.5	467.3
160°	372.2	379.2	389.4	398.8	406.6	416.0	425.4	435.5	443.3	451.2	456.6
162.5°	375.9	381.7	390.6	398.1	404.7	412.2	420.3	428.6	435.8	442.4	447.2
165°	380.0	384.7	390.9	397.2	401.9	406.6	412.8	419.1	424.6	429.3	433.2
167.5°	382.8	385.8	390.9	395.3	397.5	401.1	405.5	410.0	413.6	417.2	420.0
170°	384.7	387.0	390.9	394.1	395.6	398.0	401.1	405.0	407.4	409.7	411.3
172.5°	385.9	387.0	390.3	392.8	393.1	394.2	396.7	399.4	401.7	403.5	404.4
175°	387.0	387.0	389.4	390.9	390.2	390.2	390.9	393.3	393.3	394.9	394.9
177.5°	387.2	387.2	388.4	389.1	387.8	387.8	388.4	389.1	389.7	389.7	389.7
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-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°	26.5	25.9	26.0	27.3	26.0	25.9	26.5	25.3	25.6	24.2	22.8
90°	17.2	17.2	18.0	18.0	18.0	17.2	17.2	17.2	15.6	14.9	14.1
92.5°	54.1	52.2	51.1	49.9	51.1	52.2	54.1	64.1	75.7	100.6	138.6
95°	226.0	202.5	196.3	183.7	196.3	202.5	226.0	281.5	347.2	443.3	562.2
97.5°	520.6	476.8	454.1	444.1	454.1	476.8	520.6	568.9	660.2	753.9	837.3
100°	707.6	651.3	622.4	609.9	622.4	651.3	707.6	761.6	842.9	923.4	961.7
102.5°	875.9	835.8	804.4	795.0	804.4	835.8	875.9	933.6	988.6	1027.3	1003.6
105°	1086.8	1061.0	1045.4	1036.0	1045.4	1061.0	1086.8	1111.9	1120.5	1086.1	978.9
107.5°	1175.5	1175.3	1170.2	1163.9	1170.2	1175.3	1175.5	1162.8	1122.0	1033.7	890.7
110°	1186.1	1201.0	1206.5	1206.5	1206.5	1201.0	1186.1	1150.9	1084.5	974.2	825.7



TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1156.7	1182.2	1195.8	1201.5	1195.8	1182.2	1156.7	1105.3	1026.9	915.4	774.4
115°	1084.5	1122.0	1143.9	1154.1	1143.9	1122.0	1084.5	1023.5	938.3	831.2	710.0
117.5°	1004.3	1043.0	1064.8	1071.0	1064.8	1043.0	1004.3	943.3	865.1	772.8	668.4
120°	952.3	989.9	1011.0	1017.2	1011.0	989.9	952.3	894.5	825.7	739.7	645.8
122.5°	908.6	943.0	964.1	969.7	964.1	943.0	908.6	857.0	792.5	715.9	629.0
125°	852.3	884.3	901.5	909.3	901.5	884.3	852.3	808.5	752.2	684.2	604.4
127.5°	809.7	838.0	854.3	857.7	854.3	838.0	809.7	770.0	717.3	653.8	579.4
130°	783.5	809.3	824.9	829.6	824.9	809.3	783.5	744.4	693.5	632.6	563.7
132.5°	755.9	781.7	796.1	801.4	796.1	781.7	755.9	716.8	667.9	612.5	548.1
135°	710.7	736.5	750.6	755.3	750.6	736.5	710.7	676.3	631.8	581.7	527.8
137.5°	664.5	687.9	700.9	706.1	700.9	687.9	664.5	633.6	595.8	554.2	510.6
140°	635.7	656.0	667.7	671.6	667.7	656.0	635.7	606.7	573.9	537.9	501.2
142.5°	608.2	625.4	636.5	639.7	636.5	625.4	608.2	583.6	555.1	524.2	493.1
145°	570.8	584.1	592.7	595.8	592.7	584.1	570.8	552.0	530.9	506.7	482.4
147.5°	541.5	552.2	557.2	558.6	557.2	552.2	541.5	526.7	510.7	492.1	472.4
150°	524.7	534.0	537.2	537.9	537.2	534.0	524.7	512.9	498.8	484.0	466.8
152.5°	510.3	517.8	520.9	521.7	520.9	517.8	510.3	500.4	489.5	475.9	460.5
155°	491.0	496.5	498.8	499.6	498.8	496.5	491.0	483.2	474.6	463.7	451.2
157.5°	473.4	477.9	480.1	479.9	480.1	477.9	473.4	467.3	460.5	452.1	441.8
160°	462.1	466.0	467.6	466.8	467.6	466.0	462.1	456.6	451.2	443.3	435.5
162.5°	451.5	454.7	455.1	454.9	455.1	454.7	451.5	447.2	442.4	435.8	428.6
165°	436.3	437.9	437.9	437.9	437.9	437.9	436.3	433.2	429.3	424.6	419.1
167.5°	421.6	423.0	422.4	422.2	422.4	423.0	421.6	420.0	417.2	413.6	410.0
170°	412.8	413.6	413.6	412.8	413.6	413.6	412.8	411.3	409.7	407.4	405.0
172.5°	404.7	406.1	404.9	404.1	404.9	406.1	404.7	404.4	403.5	401.7	399.4
175°	394.9	395.6	394.1	393.3	394.1	395.6	394.9	394.9	394.9	393.3	393.3
177.5°	389.1	389.7	387.8	387.8	387.8	389.7	389.1	389.7	389.7	389.7	389.1
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-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°	20.1	20.6	19.0	18.9	17.9	18.4	16.8	15.9	15.0	15.3	17.0
90°	13.3	12.5	10.9	10.2	8.6	7.8	6.3	4.7	3.1	1.6	0.8
92.5°	204.1	252.1	256.1	178.4	106.8	64.1	41.3	27.8	18.1	11.6	9.5
95°	677.9	692.8	565.3	349.5	177.5	93.8	58.6	41.4	32.8	26.6	25.8
97.5°	857.7	739.8	504.8	279.0	152.9	97.6	72.2	56.8	48.2	43.8	42.8
100°	901.5	706.1	450.4	253.3	151.7	106.3	82.9	68.0	59.4	56.3	54.7
102.5°	875.3	646.6	409.1	242.7	157.3	117.0	94.1	80.5	71.3	68.8	67.9
105°	791.3	566.9	369.1	238.5	168.9	134.5	112.6	100.1	92.3	88.4	88.4
107.5°	705.6	512.0	352.2	245.7	186.1	152.8	133.1	120.1	113.7	109.9	108.4
110°	656.8	486.3	347.2	252.6	198.6	166.5	146.2	134.5	127.4	124.3	122.8



TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	620.5	471.3	347.2	261.3	210.5	179.7	160.0	148.2	141.2	138.7	137.1
115°	580.9	455.1	349.5	274.4	229.1	200.2	180.6	168.9	161.9	159.5	157.9
117.5°	557.3	447.1	354.7	289.5	248.2	220.8	201.9	188.6	181.6	179.1	176.7
120°	544.2	443.3	359.7	299.5	261.9	234.6	215.0	201.7	194.7	191.6	189.2
122.5°	532.9	440.2	364.0	310.7	275.1	247.7	228.2	213.6	206.6	204.1	202.4
125°	517.6	436.3	371.4	326.0	292.4	266.6	246.3	231.4	224.4	220.5	218.9
127.5°	503.5	434.4	379.7	340.1	309.2	284.3	264.0	248.2	239.3	234.3	231.9
130°	494.2	433.2	384.7	349.5	319.8	295.6	275.2	258.8	248.6	242.4	240.0
132.5°	486.7	433.2	390.3	357.6	329.8	305.6	285.2	268.2	256.8	249.3	246.3
135°	477.7	433.2	398.0	369.1	343.3	319.0	297.9	281.5	269.0	259.6	256.5
137.5°	469.8	434.1	405.0	377.5	352.8	330.7	309.0	292.9	280.4	271.6	269.3
140°	466.0	434.7	408.1	383.1	359.7	337.0	315.9	301.0	288.5	279.1	276.8
142.5°	462.9	435.4	410.0	386.3	364.0	342.6	322.8	308.5	296.0	287.3	285.5
145°	458.2	434.7	412.1	390.9	371.4	351.1	333.1	319.0	308.1	300.2	298.7
147.5°	453.3	432.7	412.8	393.8	376.1	358.3	342.5	330.3	320.1	313.4	312.4
150°	449.6	430.8	412.8	395.6	379.2	362.0	348.7	337.8	327.6	322.1	320.6
152.5°	445.2	428.3	412.2	396.9	382.3	366.4	354.4	344.0	335.1	330.3	329.3
155°	437.9	423.8	410.5	398.0	385.5	372.2	361.2	353.4	345.6	340.9	340.9
157.5°	431.0	419.1	408.5	398.8	388.1	376.7	368.4	361.5	354.8	351.1	351.2
160°	425.4	416.0	406.6	398.8	389.4	379.2	372.2	365.9	360.5	357.3	358.1
162.5°	420.3	412.2	404.7	398.1	390.6	381.7	375.9	370.9	366.1	363.0	363.7
165°	412.8	406.6	401.9	397.2	390.9	384.7	380.0	376.9	373.0	370.6	372.2
167.5°	405.5	401.1	397.5	395.3	390.9	385.8	382.8	380.6	378.4	377.0	377.8
170°	401.1	398.0	395.6	394.1	390.9	387.0	384.7	383.1	381.6	380.8	381.6
172.5°	396.7	394.2	393.1	392.8	390.3	387.0	385.9	385.0	383.4	382.7	384.1
175°	390.9	390.2	390.2	390.9	389.4	387.0	387.0	387.0	386.3	385.5	387.0
177.5°	388.4	387.8	387.8	389.1	388.4	387.2	387.2	387.8	387.2	387.2	388.4
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-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°	16.5	17.5	19.6	23.1	25.3	27.9	29.5	28.4	26.2	24.5	22.8
90°	1.6	3.1	4.7	6.3	7.8	8.6	10.2	10.9	12.5	13.3	14.1
92.5°	11.6	18.1	27.8	41.3	64.1	106.8	178.4	256.1	252.1	204.1	138.6
95°	26.6	32.8	41.4	58.6	93.8	177.5	349.5	565.3	692.8	677.9	562.2
97.5°	43.8	48.2	56.8	72.2	97.6	152.9	279.0	504.8	739.8	857.7	837.3
100°	56.3	59.4	68.0	82.9	106.3	151.7	253.3	450.4	706.1	901.5	961.7
102.5°	68.8	71.3	80.5	94.1	117.0	157.3	242.7	409.1	646.6	875.3	1003.6
105°	88.4	92.3	100.1	112.6	134.5	168.9	238.5	369.1	566.9	791.3	978.9
107.5°	109.9	113.7	120.1	133.1	152.8	186.1	245.7	352.2	512.0	705.6	890.7
110°	124.3	127.4	134.5	146.2	166.5	198.6	252.6	347.2	486.3	656.8	825.7





TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	138.7	141.2	148.2	160.0	179.7	210.5	261.3	347.2	471.3	620.5	774.4
115°	159.5	161.9	168.9	180.6	200.2	229.1	274.4	349.5	455.1	580.9	710.0
117.5°	179.1	181.6	188.6	201.9	220.8	248.2	289.5	354.7	447.1	557.3	668.4
120°	191.6	194.7	201.7	215.0	234.6	261.9	299.5	359.7	443.3	544.2	645.8
122.5°	204.1	206.6	213.6	228.2	247.7	275.1	310.7	364.0	440.2	532.9	629.0
125°	220.5	224.4	231.4	246.3	266.6	292.4	326.0	371.4	436.3	517.6	604.4
127.5°	234.3	239.3	248.2	264.0	284.3	309.2	340.1	379.7	434.4	503.5	579.4
130°	242.4	248.6	258.8	275.2	295.6	319.8	349.5	384.7	433.2	494.2	563.7
132.5°	249.3	256.8	268.2	285.2	305.6	329.8	357.6	390.3	433.2	486.7	548.1
135°	259.6	269.0	281.5	297.9	319.0	343.3	369.1	398.0	433.2	477.7	527.8
137.5°	271.6	280.4	292.9	309.0	330.7	352.8	377.5	405.0	434.1	469.8	510.6
140°	279.1	288.5	301.0	315.9	337.0	359.7	383.1	408.1	434.7	466.0	501.2
142.5°	287.3	296.0	308.5	322.8	342.6	364.0	386.3	410.0	435.4	462.9	493.1
145°	300.2	308.1	319.0	333.1	351.1	371.4	390.9	412.1	434.7	458.2	482.4
147.5°	313.4	320.1	330.3	342.5	358.3	376.1	393.8	412.8	432.7	453.3	472.4
150°	322.1	327.6	337.8	348.7	362.0	379.2	395.6	412.8	430.8	449.6	466.8
152.5°	330.3	335.1	344.0	354.4	366.4	382.3	396.9	412.2	428.3	445.2	460.5
155°	340.9	345.6	353.4	361.2	372.2	385.5	398.0	410.5	423.8	437.9	451.2
157.5°	351.1	354.8	361.5	368.4	376.7	388.1	398.8	408.5	419.1	431.0	441.8
160°	357.3	360.5	365.9	372.2	379.2	389.4	398.8	406.6	416.0	425.4	435.5
162.5°	363.0	366.1	370.9	375.9	381.7	390.6	398.1	404.7	412.2	420.3	428.6
165°	370.6	373.0	376.9	380.0	384.7	390.9	397.2	401.9	406.6	412.8	419.1
167.5°	377.0	378.4	380.6	382.8	385.8	390.9	395.3	397.5	401.1	405.5	410.0
170°	380.8	381.6	383.1	384.7	387.0	390.9	394.1	395.6	398.0	401.1	405.0
172.5°	382.7	383.4	385.0	385.9	387.0	390.3	392.8	393.1	394.2	396.7	399.4
175°	385.5	386.3	387.0	387.0	387.0	389.4	390.9	390.2	390.2	390.9	393.3
177.5°	387.2	387.2	387.8	387.2	387.2	388.4	389.1	387.8	387.8	388.4	389.1
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333315

CATALOG NUMBER: S125DIP-S1270D810U835-4F0-1E-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°	22.9	20.6	20.9	20.3	20.3	19.8	18.6
90°	14.9	15.6	17.2	17.2	17.2	18.0	18.0
92.5°	100.6	75.7	64.1	54.1	52.2	51.1	49.9
95°	443.3	347.2	281.5	226.0	202.5	196.3	183.7
97.5°	753.9	660.2	568.9	520.6	476.8	454.1	444.1
100°	923.4	842.9	761.6	707.6	651.3	622.4	609.9
102.5°	1027.3	988.6	933.6	875.9	835.8	804.4	795.0
105°	1086.1	1120.5	1111.9	1086.8	1061.0	1045.4	1036.0
107.5°	1033.7	1122.0	1162.8	1175.5	1175.3	1170.2	1163.9
110°	974.2	1084.5	1150.9	1186.1	1201.0	1206.5	1206.5



TEST NUMBER: P333315

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	915.4	1026.9	1105.3	1156.7	1182.2	1195.8	1201.5
115°	831.2	938.3	1023.5	1084.5	1122.0	1143.9	1154.1
117.5°	772.8	865.1	943.3	1004.3	1043.0	1064.8	1071.0
120°	739.7	825.7	894.5	952.3	989.9	1011.0	1017.2
122.5°	715.9	792.5	857.0	908.6	943.0	964.1	969.7
125°	684.2	752.2	808.5	852.3	884.3	901.5	909.3
127.5°	653.8	717.3	770.0	809.7	838.0	854.3	857.7
130°	632.6	693.5	744.4	783.5	809.3	824.9	829.6
132.5°	612.5	667.9	716.8	755.9	781.7	796.1	801.4
135°	581.7	631.8	676.3	710.7	736.5	750.6	755.3
137.5°	554.2	595.8	633.6	664.5	687.9	700.9	706.1
140°	537.9	573.9	606.7	635.7	656.0	667.7	671.6
142.5°	524.2	555.1	583.6	608.2	625.4	636.5	639.7
145°	506.7	530.9	552.0	570.8	584.1	592.7	595.8
147.5°	492.1	510.7	526.7	541.5	552.2	557.2	558.6
150°	484.0	498.8	512.9	524.7	534.0	537.2	537.9
152.5°	475.9	489.5	500.4	510.3	517.8	520.9	521.7
155°	463.7	474.6	483.2	491.0	496.5	498.8	499.6
157.5°	452.1	460.5	467.3	473.4	477.9	480.1	479.9
160°	443.3	451.2	456.6	462.1	466.0	467.6	466.8
162.5°	435.8	442.4	447.2	451.5	454.7	455.1	454.9
165°	424.6	429.3	433.2	436.3	437.9	437.9	437.9
167.5°	413.6	417.2	420.0	421.6	423.0	422.4	422.2
170°	407.4	409.7	411.3	412.8	413.6	413.6	412.8
172.5°	401.7	403.5	404.4	404.7	406.1	404.9	404.1
175°	393.3	394.9	394.9	394.9	395.6	394.1	393.3
177.5°	389.7	389.7	389.7	389.1	389.7	387.8	387.8
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8

(END OF REPORT)