

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: P333315-830

Luminaire Tested: **S125DIP-S1270D810U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333315-830  
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-S1270D810U830-4F0-1E-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: 7627.9 lumens  
Efficiency: N/A  
Efficacy: 125.7 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

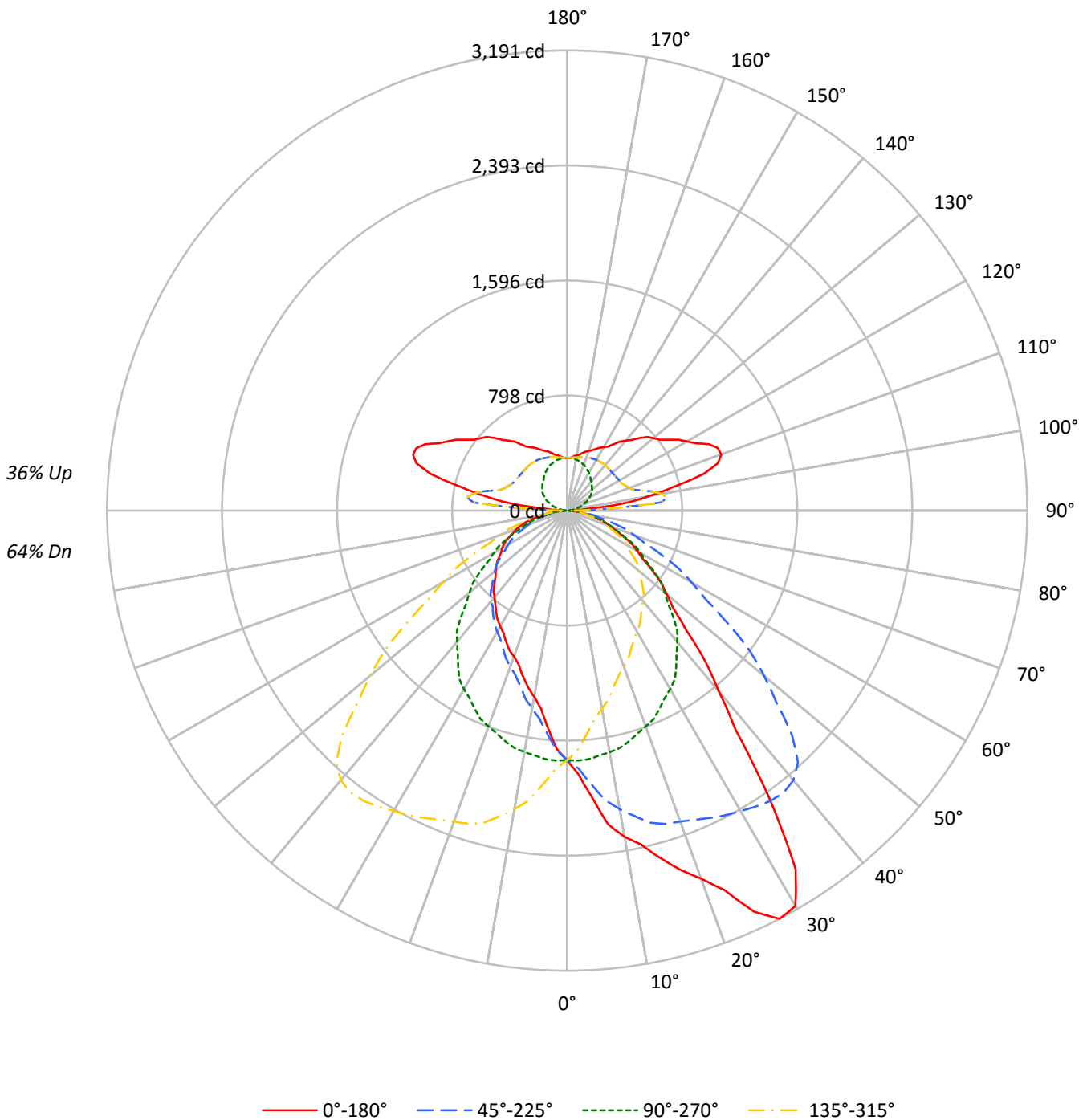
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	11180	11180	11180	11180
5°	12947	11218	9822	11218
10°	15062	11160	8605	11160
15°	16673	11078	7938	11078
20°	18664	10948	7403	10948
25°	21865	10802	7142	10802
30°	23616	10657	6915	10657
35°	19418	10387	6766	10387
40°	13801	10010	6604	10010
45°	10602	9502	6509	9502
50°	9051	8874	6497	8874
55°	8059	8257	6552	8257
60°	7270	7582	6719	7582
65°	6715	6906	6894	6906
70°	6105	6201	6992	6201
75°	5390	5465	6932	5465
80°	4537	4456	6338	4456
85°	3586	3216	5120	3216



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.6	2.2
10°-20°	496.2	6.5
20°-30°	805.7	10.6
30°-40°	982.8	12.9
40°-50°	894.0	11.7
50°-60°	712.1	9.3
60°-70°	496.0	6.5
70°-80°	264.5	3.5
80°-90°	68.8	0.9
90°-100°	264.9	3.5
100°-110°	569.6	7.5
110°-120°	534.5	7.0
120°-130°	433.2	5.7
130°-140°	347.7	4.6
140°-150°	262.4	3.4
150°-160°	184.7	2.4
160°-170°	108.8	1.4
170°-180°	35.4	0.5
0°-30°	1468.5	19.3
0°-40°	2451.2	32.1
0°-60°	4057.4	53.2
0°-90°	4886.7	64.1
90°-120°	1369.1	17.9
90°-150°	2412.3	31.6
90°-180°	2741.0	35.9
0°-180°	7627.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1731	1731	1731	1731	1731	
5°	1997	1730	1515	1730	1997	201
15°	2494	1657	1187	1657	2494	714
25°	3068	1516	1002	1516	3068	1401
35°	2463	1317	858	1317	2463	1507
45°	1161	1040	713	1040	1161	929
55°	716	733	582	733	716	645
65°	439	452	451	452	439	436
75°	216	219	278	219	216	233
85°	48	43	69	43	48	56
90°	17	1	17	1	17	13
95°	173	24	173	24	173	245
105°	976	83	976	83	976	971
115°	1088	149	1088	149	1088	1063
125°	857	206	857	206	857	775
135°	712	242	712	242	712	552
145°	562	282	562	282	562	357
155°	471	321	471	321	471	219
165°	413	351	413	351	413	118
175°	371	365	371	365	371	36
180°	366	366	366	366	366	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1831.0	1828.6	1826.3	1821.6	1825.0	1815.1	1810.3	1802.1	1792.2	1788.7	1784.5
5°	1997.0	2000.6	2004.3	1989.0	1990.4	1980.1	1956.6	1937.5	1922.0	1902.2	1888.3
7.5°	2196.9	2188.2	2187.5	2177.5	2160.3	2146.5	2121.8	2090.3	2059.9	2025.2	1996.6
10°	2296.8	2297.5	2290.9	2279.2	2260.8	2247.6	2215.3	2184.3	2146.9	2102.8	2071.2
12.5°	2372.0	2375.1	2366.7	2350.9	2341.8	2312.2	2286.9	2250.2	2205.6	2170.4	2122.3
15°	2493.7	2485.6	2479.7	2459.8	2444.5	2413.6	2373.2	2335.0	2286.5	2241.6	2196.9
17.5°	2610.9	2617.4	2606.4	2588.3	2540.4	2504.4	2450.2	2397.8	2337.5	2277.4	2223.9
20°	2715.6	2721.5	2704.5	2673.0	2615.6	2579.6	2508.4	2440.8	2371.0	2293.9	2235.1
22.5°	2846.1	2841.4	2818.6	2770.5	2720.8	2654.3	2577.2	2494.8	2407.4	2320.3	2242.1
25°	3068.3	3037.3	3023.4	2963.9	2898.5	2800.8	2695.0	2574.5	2465.8	2350.4	2250.5
27.5°	3191.4	3181.6	3166.1	3124.7	3055.9	2951.4	2826.7	2679.8	2526.5	2380.9	2250.0
30°	3166.7	3168.2	3169.7	3156.4	3112.4	3033.7	2909.5	2751.6	2569.4	2405.6	2254.2
32.5°	2948.1	2974.8	3000.4	3030.7	3043.0	3027.8	2950.1	2807.5	2619.9	2433.7	2251.8
35°	2462.9	2470.9	2553.9	2636.2	2747.9	2834.6	2892.7	2829.4	2671.4	2457.7	2249.0
37.5°	1920.3	1960.0	2017.4	2110.4	2271.6	2415.9	2601.5	2686.9	2635.9	2465.5	2243.9
40°	1637.0	1673.8	1711.2	1806.0	1941.9	2116.8	2327.6	2507.6	2549.5	2440.8	2226.3
42.5°	1418.3	1447.5	1489.0	1560.3	1673.9	1828.7	2030.2	2265.5	2410.2	2369.1	2189.2
45°	1160.8	1179.2	1211.5	1268.2	1350.5	1471.7	1649.4	1906.7	2130.7	2204.9	2101.3
47.5°	993.6	993.5	1018.6	1057.7	1117.1	1220.1	1351.6	1553.1	1792.4	1969.5	1961.3
50°	900.8	897.1	916.9	950.7	997.8	1066.1	1191.8	1352.6	1582.6	1783.2	1839.0
52.5°	820.9	821.2	833.5	858.5	897.9	956.2	1050.1	1195.1	1391.6	1597.4	1702.7
55°	715.7	712.7	726.6	743.6	772.2	810.4	878.0	988.9	1148.4	1351.1	1487.8
57.5°	619.3	627.4	632.9	644.7	668.5	694.0	751.0	832.5	958.9	1132.9	1277.4
60°	562.8	570.9	575.3	587.0	606.1	628.2	672.3	738.4	845.0	994.9	1138.1
62.5°	512.3	518.6	520.0	530.7	546.2	567.7	602.4	657.9	742.1	873.2	1013.5
65°	439.4	439.4	442.3	453.4	460.7	479.8	506.2	546.7	614.3	716.3	836.1
67.5°	369.1	372.7	371.9	376.7	383.5	398.4	417.4	450.7	500.8	575.3	671.1
70°	323.3	326.2	325.5	329.1	336.5	346.1	361.5	393.0	429.0	493.0	575.3
72.5°	282.1	283.3	281.4	286.3	290.7	299.1	316.2	333.1	366.7	420.8	488.3
75°	216.0	217.4	219.0	221.9	226.3	230.7	239.5	256.5	278.4	318.9	362.2
77.5°	161.9	159.1	162.7	162.2	164.8	168.1	175.9	184.8	202.9	228.5	262.0
80°	122.0	122.7	122.7	123.5	127.1	129.3	135.9	142.5	156.5	175.6	199.2
82.5°	89.1	91.0	89.8	91.1	94.2	95.8	99.4	104.9	113.0	128.0	145.1
85°	48.4	44.9	46.3	47.8	47.8	48.4	51.5	53.6	58.1	63.9	70.5
87.5°	17.5	18.7	19.1	19.1	19.7	19.4	21.6	21.5	23.1	24.7	26.8
90°	17.0	17.0	16.2	16.2	16.2	14.7	14.0	13.3	12.5	11.8	10.3
92.5°	47.0	48.2	49.2	51.0	60.4	71.4	94.8	130.6	192.4	237.6	241.4
95°	173.1	185.0	190.9	213.0	265.3	327.3	417.8	529.9	638.9	653.0	532.8
97.5°	418.6	428.0	449.4	490.7	536.2	622.3	710.6	789.2	808.4	697.3	475.8
100°	574.9	586.6	613.9	666.9	717.8	794.5	870.3	906.4	849.7	665.5	424.5
102.5°	749.3	758.2	787.8	825.6	880.0	931.8	968.3	945.9	825.0	609.4	385.6
105°	976.5	985.3	1000.0	1024.4	1048.0	1056.1	1023.7	922.7	745.8	534.3	347.9
107.5°	1097.0	1103.0	1107.8	1108.0	1096.0	1057.5	974.3	839.5	665.1	482.6	332.0
110°	1137.2	1137.2	1132.0	1117.9	1084.8	1022.2	918.2	778.3	619.1	458.4	327.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1132.5	1127.1	1114.3	1090.2	1041.8	967.9	862.8	729.9	584.8	444.2	327.3
115°	1087.8	1078.2	1057.5	1022.2	964.7	884.4	783.4	669.2	547.5	429.0	329.4
117.5°	1009.5	1003.6	983.1	946.6	889.1	815.4	728.4	630.0	525.3	421.4	334.3
120°	958.8	952.9	933.0	897.6	843.1	778.3	697.2	608.7	512.9	417.8	339.0
122.5°	914.0	908.7	888.8	856.4	807.8	747.0	674.8	592.9	502.3	414.9	343.1
125°	857.1	849.7	833.5	803.3	762.0	709.0	644.9	569.7	487.9	411.2	350.1
127.5°	808.4	805.2	789.9	763.2	725.8	676.1	616.2	546.1	474.6	409.4	357.9
130°	781.9	777.5	762.8	738.5	701.6	653.7	596.3	531.3	465.8	408.3	362.6
132.5°	755.4	750.4	736.8	712.5	675.6	629.5	577.3	516.6	458.7	408.3	367.9
135°	711.9	707.5	694.2	669.9	637.4	595.5	548.3	497.5	450.3	408.3	375.1
137.5°	665.5	660.6	648.4	626.3	597.2	561.6	522.4	481.3	442.8	409.2	381.7
140°	633.0	629.3	618.3	599.2	571.8	540.9	507.0	472.4	439.2	409.7	384.7
142.5°	602.9	599.9	589.5	573.3	550.1	523.2	494.1	464.8	436.3	410.4	386.4
145°	561.6	558.6	550.5	538.0	520.3	500.4	477.6	454.7	431.9	409.7	388.4
147.5°	526.5	525.2	520.5	510.4	496.4	481.4	463.8	445.3	427.3	407.8	389.1
150°	507.0	506.3	503.3	494.6	483.4	470.1	456.2	440.0	423.8	406.0	389.1
152.5°	491.7	491.0	488.0	481.0	471.6	461.4	448.6	434.0	419.6	403.7	388.5
155°	470.9	470.1	468.0	462.8	455.4	447.3	437.1	425.3	412.7	399.4	386.9
157.5°	452.3	452.5	450.4	446.2	440.5	434.0	426.1	416.4	406.2	395.0	385.0
160°	440.0	440.7	439.2	435.5	430.4	425.3	417.8	410.5	401.0	392.1	383.2
162.5°	428.8	429.0	428.6	425.6	421.5	417.0	410.8	404.0	396.2	388.5	381.4
165°	412.7	412.7	412.7	411.2	408.3	404.6	400.2	395.0	389.1	383.2	378.8
167.5°	397.9	398.1	398.7	397.4	395.9	393.2	389.8	386.4	382.2	378.1	374.7
170°	389.1	389.8	389.8	389.1	387.7	386.2	384.0	381.7	378.1	375.1	372.9
172.5°	380.9	381.6	382.8	381.4	381.2	380.3	378.6	376.5	373.9	371.6	370.5
175°	370.7	371.5	372.9	372.2	372.2	372.2	370.7	370.7	368.4	367.8	367.8
177.5°	365.5	365.5	367.3	366.7	367.3	367.3	367.3	366.7	366.1	365.5	365.5
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1781.0	1776.9	1772.2	1764.0	1754.0	1748.7	1740.4	1735.1	1724.6	1715.7	1706.4
5°	1871.3	1852.3	1834.7	1811.8	1786.9	1770.7	1751.6	1730.3	1708.3	1685.5	1660.5
7.5°	1965.0	1931.2	1894.4	1854.9	1816.3	1780.7	1746.7	1713.4	1682.2	1644.6	1612.8
10°	2027.9	1985.3	1939.7	1886.0	1833.9	1788.4	1742.0	1701.7	1660.5	1616.4	1577.4
12.5°	2090.7	2034.0	1969.6	1910.7	1848.0	1793.0	1738.5	1687.0	1635.2	1586.4	1541.1
15°	2135.1	2085.2	2025.6	1941.9	1871.3	1795.7	1723.7	1656.8	1594.4	1540.0	1482.7
17.5°	2164.4	2100.0	2036.1	1955.7	1863.3	1778.7	1697.0	1620.5	1550.1	1481.2	1426.0
20°	2169.6	2103.6	2036.6	1958.0	1863.3	1766.3	1684.7	1592.9	1517.2	1446.0	1378.4
22.5°	2167.9	2092.9	2020.2	1939.3	1846.8	1757.5	1658.9	1565.3	1483.1	1413.1	1342.5
25°	2151.3	2071.2	1980.1	1898.6	1807.4	1712.7	1612.8	1515.8	1432.0	1351.9	1282.1
27.5°	2137.5	2033.6	1930.4	1835.3	1747.4	1660.5	1564.8	1465.5	1372.6	1291.5	1225.7
30°	2120.4	2006.6	1890.5	1791.3	1700.9	1616.4	1526.1	1429.1	1332.1	1252.7	1182.2
32.5°	2105.2	1972.5	1849.9	1741.9	1646.2	1564.1	1480.7	1388.5	1293.3	1212.8	1142.2
35°	2075.7	1922.0	1781.7	1659.7	1557.6	1473.1	1403.4	1317.4	1229.9	1152.1	1084.5
37.5°	2038.2	1856.0	1705.3	1577.4	1465.5	1376.5	1311.5	1245.5	1161.6	1086.6	1025.4
40°	2008.7	1808.9	1649.4	1518.7	1402.6	1310.0	1249.8	1187.3	1117.6	1047.7	983.1
42.5°	1971.7	1766.6	1593.1	1452.3	1337.4	1247.2	1183.9	1130.9	1069.3	1004.3	944.2
45°	1903.7	1689.9	1501.8	1350.5	1234.4	1145.5	1080.1	1040.4	994.1	932.4	881.7
47.5°	1803.6	1597.7	1403.2	1247.0	1127.2	1044.8	983.5	945.5	912.9	867.0	821.0
50°	1714.9	1529.0	1332.1	1177.0	1057.2	974.2	917.7	883.2	855.3	819.9	781.0
52.5°	1615.5	1442.6	1262.2	1108.9	990.2	908.4	853.0	822.7	799.4	774.1	735.7
55°	1457.7	1310.8	1143.2	997.8	888.3	808.2	759.7	733.3	714.2	695.0	671.6
57.5°	1283.8	1168.9	1020.6	887.6	786.7	713.9	668.6	642.9	628.0	618.2	604.4
60°	1161.6	1063.2	935.3	814.1	715.7	651.0	606.9	587.0	574.6	566.5	556.2
62.5°	1048.2	967.3	848.9	738.3	652.1	591.0	551.7	532.3	520.5	516.5	508.0
65°	880.9	818.5	720.8	629.0	555.4	503.3	470.2	451.9	444.5	440.1	440.8
67.5°	716.2	678.2	599.6	521.3	462.7	419.0	392.5	378.4	374.8	368.8	368.7
70°	615.7	587.0	520.9	452.6	400.4	366.6	343.1	328.4	324.7	321.8	321.1
72.5°	527.0	501.8	444.5	389.7	342.8	313.1	293.8	284.9	278.9	277.1	277.0
75°	396.1	382.1	336.5	293.1	260.8	240.3	227.1	219.0	214.5	213.8	214.5
77.5°	281.5	269.4	240.4	209.7	189.3	173.7	162.5	159.8	154.8	154.9	154.1
80°	211.6	203.5	185.1	160.9	144.0	130.8	124.9	119.8	118.3	116.1	118.3
82.5°	153.4	144.8	132.2	116.8	102.8	94.9	89.1	87.5	86.5	85.5	86.0
85°	75.7	76.4	69.1	57.3	51.5	47.0	43.4	43.4	42.6	41.8	42.6
87.5°	27.8	26.3	23.8	21.8	18.5	16.5	15.6	16.0	14.4	14.1	15.0
90°	9.6	8.1	7.4	5.9	4.4	2.9	1.5	0.8	1.5	2.9	4.4
92.5°	168.1	100.7	60.4	38.9	26.2	17.1	10.9	9.0	10.9	17.1	26.2
95°	329.4	167.3	88.4	55.2	39.0	30.9	25.1	24.3	25.1	30.9	39.0
97.5°	263.0	144.1	92.0	68.1	53.5	45.4	41.3	40.3	41.3	45.4	53.5
100°	238.7	143.0	100.2	78.1	64.1	56.0	53.1	51.6	53.1	56.0	64.1
102.5°	228.8	148.3	110.3	88.7	75.9	67.2	64.8	64.0	64.8	67.2	75.9
105°	224.8	159.2	126.8	106.1	94.3	87.0	83.3	83.3	83.3	87.0	94.3
107.5°	231.6	175.4	144.0	125.5	113.2	107.2	103.6	102.2	103.6	107.2	113.2
110°	238.1	187.2	156.9	137.8	126.8	120.1	117.2	115.7	117.2	120.1	126.8





TEST NUMBER: P333315-830

CATALOG NUMBER: S125DIP-S1270D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	246.3	198.4	169.4	150.8	139.7	133.1	130.7	129.2	130.7	133.1	139.7
115°	258.6	215.9	188.7	170.2	159.2	152.6	150.3	148.8	150.3	152.6	159.2
117.5°	272.9	233.9	208.1	190.3	177.8	171.2	168.8	166.5	168.8	171.2	177.8
120°	282.3	246.9	221.1	202.6	190.1	183.5	180.6	178.3	180.6	183.5	190.1
122.5°	292.8	259.3	233.5	215.1	201.3	194.7	192.4	190.8	192.4	194.7	201.3
125°	307.3	275.6	251.3	232.1	218.1	211.5	207.8	206.3	207.8	211.5	218.1
127.5°	320.6	291.4	268.0	248.8	233.9	225.6	220.8	218.6	220.8	225.6	233.9
130°	329.4	301.4	278.6	259.4	243.9	234.3	228.5	226.2	228.5	234.3	243.9
132.5°	337.1	310.9	288.0	268.8	252.8	242.0	235.0	232.1	235.0	242.0	252.8
135°	347.9	323.6	300.7	280.8	265.3	253.5	244.7	241.8	244.7	253.5	265.3
137.5°	355.8	332.5	311.7	291.2	276.1	264.3	256.0	253.8	256.0	264.3	276.1
140°	361.1	339.0	317.6	297.7	283.7	271.9	263.1	260.9	263.1	271.9	283.7
142.5°	364.1	343.1	322.9	304.3	290.8	279.0	270.8	269.1	270.8	279.0	290.8
145°	368.4	350.1	330.9	314.0	300.7	290.4	283.0	281.5	283.0	290.4	300.7
147.5°	371.2	354.5	337.7	322.8	311.3	301.7	295.4	294.5	295.4	301.7	311.3
150°	372.9	357.4	341.2	328.7	318.4	308.8	303.6	302.2	303.6	308.8	318.4
152.5°	374.1	360.3	345.3	334.0	324.2	315.8	311.3	310.4	311.3	315.8	324.2
155°	375.1	363.4	350.8	340.4	333.1	325.7	321.3	321.3	321.3	325.7	333.1
157.5°	375.9	365.8	355.1	347.2	340.7	334.4	330.9	331.0	330.9	334.4	340.7
160°	375.9	367.0	357.4	350.8	344.9	339.8	336.8	337.5	336.8	339.8	344.9
162.5°	375.2	368.2	359.8	354.3	349.6	345.1	342.1	342.8	342.1	345.1	349.6
165°	374.4	368.4	362.6	358.2	355.2	351.6	349.3	350.8	349.3	351.6	355.2
167.5°	372.6	368.4	363.6	360.8	358.7	356.7	355.3	356.1	355.3	356.7	358.7
170°	371.5	368.4	364.8	362.6	361.1	359.7	358.9	359.7	358.9	359.7	361.1
172.5°	370.2	367.9	364.8	363.7	362.9	361.4	360.7	362.0	360.7	361.4	362.9
175°	368.4	367.0	364.8	364.8	364.8	364.1	363.4	364.8	363.4	364.1	364.8
177.5°	366.7	366.1	365.0	365.0	365.5	365.0	365.0	366.1	365.0	365.0	365.5
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333315-830

CATALOG NUMBER: S125DIP-S1270D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1701.0	1694.6	1689.3	1677.5	1671.0	1662.3	1655.2	1662.8	1654.6	1658.1	1652.8
5°	1648.0	1627.4	1612.8	1591.4	1573.1	1556.1	1543.7	1541.4	1535.6	1532.7	1523.8
7.5°	1584.2	1558.5	1533.2	1505.3	1481.8	1457.8	1442.6	1429.9	1421.5	1410.5	1403.1
10°	1546.6	1512.1	1482.7	1448.9	1419.5	1393.8	1373.2	1362.9	1353.4	1339.4	1334.3
12.5°	1500.2	1464.4	1428.6	1392.5	1364.2	1335.6	1318.0	1302.4	1295.8	1280.1	1278.5
15°	1444.4	1390.8	1355.6	1318.8	1279.9	1256.4	1241.7	1224.8	1217.5	1206.5	1198.3
17.5°	1378.1	1330.1	1286.1	1248.0	1214.7	1194.9	1176.6	1165.0	1152.4	1145.2	1131.9
20°	1329.8	1284.3	1240.2	1199.9	1174.1	1151.3	1136.6	1125.6	1112.4	1108.7	1095.5
22.5°	1289.3	1239.1	1196.7	1162.8	1134.7	1109.0	1093.2	1085.6	1076.6	1065.3	1062.5
25°	1223.3	1171.2	1135.2	1101.4	1076.4	1052.9	1041.9	1032.3	1023.5	1015.4	1012.5
27.5°	1166.3	1119.7	1076.9	1046.4	1024.6	1003.2	993.5	981.9	975.4	968.9	961.0
30°	1126.3	1078.6	1041.1	1011.7	988.3	969.1	958.8	950.7	944.9	939.0	934.6
32.5°	1085.2	1040.9	1004.7	975.9	952.3	937.9	928.9	923.1	916.6	909.6	904.0
35°	1030.9	982.3	947.1	922.1	903.7	892.7	882.4	877.2	870.0	870.0	864.0
37.5°	969.6	927.7	896.5	873.7	857.2	847.4	836.3	832.7	828.0	824.9	822.9
40°	933.1	894.2	864.8	842.0	824.3	816.2	807.5	801.6	798.6	794.9	793.5
42.5°	895.5	858.3	830.1	809.1	793.8	786.9	778.6	774.6	768.6	763.8	763.0
45°	838.3	802.3	776.7	759.7	746.5	738.4	733.3	724.4	721.5	715.7	714.9
47.5°	784.1	749.6	724.3	710.5	698.9	692.3	684.2	675.3	672.0	669.0	668.7
50°	743.6	712.0	688.4	675.2	664.2	654.7	646.6	640.6	638.5	638.5	640.0
52.5°	702.4	675.5	655.5	639.3	629.0	618.8	611.3	607.8	604.4	607.9	610.6
55°	642.2	615.0	600.3	584.8	574.6	562.8	559.1	557.7	555.4	561.4	564.3
57.5°	578.3	559.3	542.1	526.8	517.6	510.8	505.8	504.9	509.1	511.8	521.3
60°	537.8	515.8	500.4	488.6	477.6	473.2	471.7	470.2	473.2	481.3	493.7
62.5°	493.1	475.2	458.6	449.8	441.7	434.4	434.0	435.0	440.8	450.1	462.6
65°	427.6	412.2	401.1	390.9	384.3	379.8	381.4	384.3	390.9	403.4	417.4
67.5°	361.1	350.4	340.6	332.2	325.9	325.9	327.4	331.8	339.6	354.0	366.7
70°	318.1	306.4	298.3	294.6	289.5	286.5	291.0	298.3	304.9	318.1	329.1
72.5°	275.2	265.2	258.9	256.5	254.2	251.8	253.4	261.3	270.2	283.4	296.2
75°	211.6	207.9	203.5	200.6	198.4	199.8	201.3	208.7	216.0	230.0	244.7
77.5°	154.5	150.6	148.0	147.2	146.1	146.8	150.9	156.4	163.5	173.7	184.8
80°	116.8	115.4	113.9	113.1	113.1	113.9	119.8	123.5	130.1	139.6	148.5
82.5°	85.1	84.2	83.9	83.8	84.4	84.5	88.0	92.8	98.3	105.5	113.1
85°	44.9	43.4	45.5	46.3	44.9	47.0	48.4	51.5	53.6	57.3	61.0
87.5°	15.8	17.3	16.9	17.8	17.9	19.4	18.9	21.5	22.8	24.1	23.8
90°	5.9	7.4	8.1	9.6	10.3	11.8	12.5	13.3	14.0	14.7	16.2
92.5°	38.9	60.4	100.7	168.1	241.4	237.6	192.4	130.6	94.8	71.4	60.4
95°	55.2	88.4	167.3	329.4	532.8	653.0	638.9	529.9	417.8	327.3	265.3
97.5°	68.1	92.0	144.1	263.0	475.8	697.3	808.4	789.2	710.6	622.3	536.2
100°	78.1	100.2	143.0	238.7	424.5	665.5	849.7	906.4	870.3	794.5	717.8
102.5°	88.7	110.3	148.3	228.8	385.6	609.4	825.0	945.9	968.3	931.8	880.0
105°	106.1	126.8	159.2	224.8	347.9	534.3	745.8	922.7	1023.7	1056.1	1048.0
107.5°	125.5	144.0	175.4	231.6	332.0	482.6	665.1	839.5	974.3	1057.5	1096.0
110°	137.8	156.9	187.2	238.1	327.3	458.4	619.1	778.3	918.2	1022.2	1084.8



TEST NUMBER: P333315-830

CATALOG NUMBER: S125DIP-S1270D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	150.8	169.4	198.4	246.3	327.3	444.2	584.8	729.9	862.8	967.9	1041.8
115°	170.2	188.7	215.9	258.6	329.4	429.0	547.5	669.2	783.4	884.4	964.7
117.5°	190.3	208.1	233.9	272.9	334.3	421.4	525.3	630.0	728.4	815.4	889.1
120°	202.6	221.1	246.9	282.3	339.0	417.8	512.9	608.7	697.2	778.3	843.1
122.5°	215.1	233.5	259.3	292.8	343.1	414.9	502.3	592.9	674.8	747.0	807.8
125°	232.1	251.3	275.6	307.3	350.1	411.2	487.9	569.7	644.9	709.0	762.0
127.5°	248.8	268.0	291.4	320.6	357.9	409.4	474.6	546.1	616.2	676.1	725.8
130°	259.4	278.6	301.4	329.4	362.6	408.3	465.8	531.3	596.3	653.7	701.6
132.5°	268.8	288.0	310.9	337.1	367.9	408.3	458.7	516.6	577.3	629.5	675.6
135°	280.8	300.7	323.6	347.9	375.1	408.3	450.3	497.5	548.3	595.5	637.4
137.5°	291.2	311.7	332.5	355.8	381.7	409.2	442.8	481.3	522.4	561.6	597.2
140°	297.7	317.6	339.0	361.1	384.7	409.7	439.2	472.4	507.0	540.9	571.8
142.5°	304.3	322.9	343.1	364.1	386.4	410.4	436.3	464.8	494.1	523.2	550.1
145°	314.0	330.9	350.1	368.4	388.4	409.7	431.9	454.7	477.6	500.4	520.3
147.5°	322.8	337.7	354.5	371.2	389.1	407.8	427.3	445.3	463.8	481.4	496.4
150°	328.7	341.2	357.4	372.9	389.1	406.0	423.8	440.0	456.2	470.1	483.4
152.5°	334.0	345.3	360.3	374.1	388.5	403.7	419.6	434.0	448.6	461.4	471.6
155°	340.4	350.8	363.4	375.1	386.9	399.4	412.7	425.3	437.1	447.3	455.4
157.5°	347.2	355.1	365.8	375.9	385.0	395.0	406.2	416.4	426.1	434.0	440.5
160°	350.8	357.4	367.0	375.9	383.2	392.1	401.0	410.5	417.8	425.3	430.4
162.5°	354.3	359.8	368.2	375.2	381.4	388.5	396.2	404.0	410.8	417.0	421.5
165°	358.2	362.6	368.4	374.4	378.8	383.2	389.1	395.0	400.2	404.6	408.3
167.5°	360.8	363.6	368.4	372.6	374.7	378.1	382.2	386.4	389.8	393.2	395.9
170°	362.6	364.8	368.4	371.5	372.9	375.1	378.1	381.7	384.0	386.2	387.7
172.5°	363.7	364.8	367.9	370.2	370.5	371.6	373.9	376.5	378.6	380.3	381.2
175°	364.8	364.8	367.0	368.4	367.8	367.8	368.4	370.7	370.7	372.2	372.2
177.5°	365.0	365.0	366.1	366.7	365.5	365.5	366.1	366.7	367.3	367.3	367.3
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333315-830

CATALOG NUMBER: S125DIP-S1270D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1649.4	1653.4	1649.9	1654.6	1649.9	1653.4	1649.4	1652.8	1658.1	1654.6	1662.8
5°	1520.1	1513.5	1518.0	1515.0	1518.0	1513.5	1520.1	1523.8	1532.7	1535.6	1541.4
7.5°	1400.8	1394.5	1387.3	1383.9	1387.3	1394.5	1400.8	1403.1	1410.5	1421.5	1429.9
10°	1326.2	1318.1	1317.4	1312.2	1317.4	1318.1	1326.2	1334.3	1339.4	1353.4	1362.9
12.5°	1271.5	1264.0	1255.7	1253.5	1255.7	1264.0	1271.5	1278.5	1280.1	1295.8	1302.4
15°	1193.9	1188.1	1182.9	1187.3	1182.9	1188.1	1193.9	1198.3	1206.5	1217.5	1224.8
17.5°	1129.4	1124.5	1123.7	1118.2	1123.7	1124.5	1129.4	1131.9	1145.2	1152.4	1165.0
20°	1088.9	1085.2	1086.7	1077.1	1086.7	1085.2	1088.9	1095.5	1108.7	1112.4	1125.6
22.5°	1056.6	1049.3	1048.5	1046.6	1048.5	1049.3	1056.6	1062.5	1065.3	1076.6	1085.6
25°	1005.9	1002.2	998.5	1002.2	998.5	1002.2	1005.9	1012.5	1015.4	1023.5	1032.3
27.5°	961.6	957.2	956.2	956.6	956.2	957.2	961.6	961.0	968.9	975.4	981.9
30°	934.6	927.3	927.9	927.3	927.9	927.3	934.6	934.6	939.0	944.9	950.7
32.5°	905.2	900.2	899.2	897.9	899.2	900.2	905.2	904.0	909.6	916.6	923.1
35°	861.9	861.9	858.2	858.2	858.2	861.9	861.9	864.0	870.0	870.0	877.2
37.5°	821.1	820.4	818.2	818.5	818.2	820.4	821.1	822.9	824.9	828.0	832.7
40°	790.6	789.9	787.6	783.3	787.6	789.9	790.6	793.5	794.9	798.6	801.6
42.5°	761.2	758.7	757.6	756.2	757.6	758.7	761.2	763.0	763.8	768.6	774.6
45°	714.9	714.9	713.4	712.7	713.4	714.9	714.9	714.9	715.7	721.5	724.4
47.5°	670.0	671.3	674.0	673.6	674.0	671.3	670.0	668.7	669.0	672.0	675.3
50°	642.9	643.7	645.8	646.6	645.8	643.7	642.9	640.0	638.5	638.5	640.6
52.5°	612.9	617.2	620.0	619.5	620.0	617.2	612.9	610.6	607.9	604.4	607.8
55°	570.9	576.0	581.2	581.9	581.2	576.0	570.9	564.3	561.4	555.4	557.7
57.5°	529.3	536.5	542.0	543.7	542.0	536.5	529.3	521.3	511.8	509.1	504.9
60°	501.1	510.7	517.3	520.2	517.3	510.7	501.1	493.7	481.3	473.2	470.2
62.5°	474.0	484.7	491.3	492.0	491.3	484.7	474.0	462.6	450.1	440.8	435.0
65°	429.8	440.8	446.7	451.1	446.7	440.8	429.8	417.4	403.4	390.9	384.3
67.5°	382.2	393.2	399.7	403.2	399.7	393.2	382.2	366.7	354.0	339.6	331.8
70°	347.5	358.5	367.4	370.3	367.4	358.5	347.5	329.1	318.1	304.9	298.3
72.5°	313.4	323.3	330.4	333.8	330.4	323.3	313.4	296.2	283.4	270.2	261.3
75°	254.2	267.4	274.1	277.8	274.1	267.4	254.2	244.7	230.0	216.0	208.7
77.5°	196.0	208.1	212.1	214.0	212.1	208.1	196.0	184.8	173.7	163.5	156.4
80°	157.2	164.6	169.8	170.4	169.8	164.6	157.2	148.5	139.6	130.1	123.5
82.5°	120.8	127.0	128.6	130.4	128.6	127.0	120.8	113.1	105.5	98.3	92.8
85°	66.2	69.1	69.8	69.1	69.8	69.1	66.2	61.0	57.3	53.6	51.5
87.5°	25.0	24.4	24.5	25.7	24.5	24.4	25.0	23.8	24.1	22.8	21.5
90°	16.2	16.2	17.0	17.0	17.0	16.2	16.2	16.2	14.7	14.0	13.3
92.5°	51.0	49.2	48.2	47.0	48.2	49.2	51.0	60.4	71.4	94.8	130.6
95°	213.0	190.9	185.0	173.1	185.0	190.9	213.0	265.3	327.3	417.8	529.9
97.5°	490.7	449.4	428.0	418.6	428.0	449.4	490.7	536.2	622.3	710.6	789.2
100°	666.9	613.9	586.6	574.9	586.6	613.9	666.9	717.8	794.5	870.3	906.4
102.5°	825.6	787.8	758.2	749.3	758.2	787.8	825.6	880.0	931.8	968.3	945.9
105°	1024.4	1000.0	985.3	976.5	985.3	1000.0	1024.4	1048.0	1056.1	1023.7	922.7
107.5°	1108.0	1107.8	1103.0	1097.0	1103.0	1107.8	1108.0	1096.0	1057.5	974.3	839.5
110°	1117.9	1132.0	1137.2	1137.2	1137.2	1132.0	1117.9	1084.8	1022.2	918.2	778.3



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1090.2	1114.3	1127.1	1132.5	1127.1	1114.3	1090.2	1041.8	967.9	862.8	729.9
115°	1022.2	1057.5	1078.2	1087.8	1078.2	1057.5	1022.2	964.7	884.4	783.4	669.2
117.5°	946.6	983.1	1003.6	1009.5	1003.6	983.1	946.6	889.1	815.4	728.4	630.0
120°	897.6	933.0	952.9	958.8	952.9	933.0	897.6	843.1	778.3	697.2	608.7
122.5°	856.4	888.8	908.7	914.0	908.7	888.8	856.4	807.8	747.0	674.8	592.9
125°	803.3	833.5	849.7	857.1	849.7	833.5	803.3	762.0	709.0	644.9	569.7
127.5°	763.2	789.9	805.2	808.4	805.2	789.9	763.2	725.8	676.1	616.2	546.1
130°	738.5	762.8	777.5	781.9	777.5	762.8	738.5	701.6	653.7	596.3	531.3
132.5°	712.5	736.8	750.4	755.4	750.4	736.8	712.5	675.6	629.5	577.3	516.6
135°	669.9	694.2	707.5	711.9	707.5	694.2	669.9	637.4	595.5	548.3	497.5
137.5°	626.3	648.4	660.6	665.5	660.6	648.4	626.3	597.2	561.6	522.4	481.3
140°	599.2	618.3	629.3	633.0	629.3	618.3	599.2	571.8	540.9	507.0	472.4
142.5°	573.3	589.5	599.9	602.9	599.9	589.5	573.3	550.1	523.2	494.1	464.8
145°	538.0	550.5	558.6	561.6	558.6	550.5	538.0	520.3	500.4	477.6	454.7
147.5°	510.4	520.5	525.2	526.5	525.2	520.5	510.4	496.4	481.4	463.8	445.3
150°	494.6	503.3	506.3	507.0	506.3	503.3	494.6	483.4	470.1	456.2	440.0
152.5°	481.0	488.0	491.0	491.7	491.0	488.0	481.0	471.6	461.4	448.6	434.0
155°	462.8	468.0	470.1	470.9	470.1	468.0	462.8	455.4	447.3	437.1	425.3
157.5°	446.2	450.4	452.5	452.3	452.5	450.4	446.2	440.5	434.0	426.1	416.4
160°	435.5	439.2	440.7	440.0	440.7	439.2	435.5	430.4	425.3	417.8	410.5
162.5°	425.6	428.6	429.0	428.8	429.0	428.6	425.6	421.5	417.0	410.8	404.0
165°	411.2	412.7	412.7	412.7	412.7	412.7	411.2	408.3	404.6	400.2	395.0
167.5°	397.4	398.7	398.1	397.9	398.1	398.7	397.4	395.9	393.2	389.8	386.4
170°	389.1	389.8	389.8	389.1	389.8	389.8	389.1	387.7	386.2	384.0	381.7
172.5°	381.4	382.8	381.6	380.9	381.6	382.8	381.4	381.2	380.3	378.6	376.5
175°	372.2	372.9	371.5	370.7	371.5	372.9	372.2	372.2	372.2	370.7	370.7
177.5°	366.7	367.3	365.5	365.5	365.5	367.3	366.7	367.3	367.3	367.3	366.7
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333315-830

CATALOG NUMBER: S125DIP-S1270D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1655.2	1662.3	1671.0	1677.5	1689.3	1694.6	1701.0	1706.4	1715.7	1724.6	1735.1
5°	1543.7	1556.1	1573.1	1591.4	1612.8	1627.4	1648.0	1660.5	1685.5	1708.3	1730.3
7.5°	1442.6	1457.8	1481.8	1505.3	1533.2	1558.5	1584.2	1612.8	1644.6	1682.2	1713.4
10°	1373.2	1393.8	1419.5	1448.9	1482.7	1512.1	1546.6	1577.4	1616.4	1660.5	1701.7
12.5°	1318.0	1335.6	1364.2	1392.5	1428.6	1464.4	1500.2	1541.1	1586.4	1635.2	1687.0
15°	1241.7	1256.4	1279.9	1318.8	1355.6	1390.8	1444.4	1482.7	1540.0	1594.4	1656.8
17.5°	1176.6	1194.9	1214.7	1248.0	1286.1	1330.1	1378.1	1426.0	1481.2	1550.1	1620.5
20°	1136.6	1151.3	1174.1	1199.9	1240.2	1284.3	1329.8	1378.4	1446.0	1517.2	1592.9
22.5°	1093.2	1109.0	1134.7	1162.8	1196.7	1239.1	1289.3	1342.5	1413.1	1483.1	1565.3
25°	1041.9	1052.9	1076.4	1101.4	1135.2	1171.2	1223.3	1282.1	1351.9	1432.0	1515.8
27.5°	993.5	1003.2	1024.6	1046.4	1076.9	1119.7	1166.3	1225.7	1291.5	1372.6	1465.5
30°	958.8	969.1	988.3	1011.7	1041.1	1078.6	1126.3	1182.2	1252.7	1332.1	1429.1
32.5°	928.9	937.9	952.3	975.9	1004.7	1040.9	1085.2	1142.2	1212.8	1293.3	1388.5
35°	882.4	892.7	903.7	922.1	947.1	982.3	1030.9	1084.5	1152.1	1229.9	1317.4
37.5°	836.3	847.4	857.2	873.7	896.5	927.7	969.6	1025.4	1086.6	1161.6	1245.5
40°	807.5	816.2	824.3	842.0	864.8	894.2	933.1	983.1	1047.7	1117.6	1187.3
42.5°	778.6	786.9	793.8	809.1	830.1	858.3	895.5	944.2	1004.3	1069.3	1130.9
45°	733.3	738.4	746.5	759.7	776.7	802.3	838.3	881.7	932.4	994.1	1040.4
47.5°	684.2	692.3	698.9	710.5	724.3	749.6	784.1	821.0	867.0	912.9	945.5
50°	646.6	654.7	664.2	675.2	688.4	712.0	743.6	781.0	819.9	855.3	883.2
52.5°	611.3	618.8	629.0	639.3	655.5	675.5	702.4	735.7	774.1	799.4	822.7
55°	559.1	562.8	574.6	584.8	600.3	615.0	642.2	671.6	695.0	714.2	733.3
57.5°	505.8	510.8	517.6	526.8	542.1	559.3	578.3	604.4	618.2	628.0	642.9
60°	471.7	473.2	477.6	488.6	500.4	515.8	537.8	556.2	566.5	574.6	587.0
62.5°	434.0	434.4	441.7	449.8	458.6	475.2	493.1	508.0	516.5	520.5	532.3
65°	381.4	379.8	384.3	390.9	401.1	412.2	427.6	440.8	440.1	444.5	451.9
67.5°	327.4	325.9	325.9	332.2	340.6	350.4	361.1	368.7	368.8	374.8	378.4
70°	291.0	286.5	289.5	294.6	298.3	306.4	318.1	321.1	321.8	324.7	328.4
72.5°	253.4	251.8	254.2	256.5	258.9	265.2	275.2	277.0	277.1	278.9	284.9
75°	201.3	199.8	198.4	200.6	203.5	207.9	211.6	214.5	213.8	214.5	219.0
77.5°	150.9	146.8	146.1	147.2	148.0	150.6	154.5	154.1	154.9	154.8	159.8
80°	119.8	113.9	113.1	113.1	113.9	115.4	116.8	118.3	116.1	118.3	119.8
82.5°	88.0	84.5	84.4	83.8	83.9	84.2	85.1	86.0	85.5	86.5	87.5
85°	48.4	47.0	44.9	46.3	45.5	43.4	44.9	42.6	41.8	42.6	43.4
87.5°	18.9	19.4	17.9	17.8	16.9	17.3	15.8	15.0	14.1	14.4	16.0
90°	12.5	11.8	10.3	9.6	8.1	7.4	5.9	4.4	2.9	1.5	0.8
92.5°	192.4	237.6	241.4	168.1	100.7	60.4	38.9	26.2	17.1	10.9	9.0
95°	638.9	653.0	532.8	329.4	167.3	88.4	55.2	39.0	30.9	25.1	24.3
97.5°	808.4	697.3	475.8	263.0	144.1	92.0	68.1	53.5	45.4	41.3	40.3
100°	849.7	665.5	424.5	238.7	143.0	100.2	78.1	64.1	56.0	53.1	51.6
102.5°	825.0	609.4	385.6	228.8	148.3	110.3	88.7	75.9	67.2	64.8	64.0
105°	745.8	534.3	347.9	224.8	159.2	126.8	106.1	94.3	87.0	83.3	83.3
107.5°	665.1	482.6	332.0	231.6	175.4	144.0	125.5	113.2	107.2	103.6	102.2
110°	619.1	458.4	327.3	238.1	187.2	156.9	137.8	126.8	120.1	117.2	115.7



TEST NUMBER: P333315-830

CATALOG NUMBER: S125DIP-S1270D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	584.8	444.2	327.3	246.3	198.4	169.4	150.8	139.7	133.1	130.7	129.2
115°	547.5	429.0	329.4	258.6	215.9	188.7	170.2	159.2	152.6	150.3	148.8
117.5°	525.3	421.4	334.3	272.9	233.9	208.1	190.3	177.8	171.2	168.8	166.5
120°	512.9	417.8	339.0	282.3	246.9	221.1	202.6	190.1	183.5	180.6	178.3
122.5°	502.3	414.9	343.1	292.8	259.3	233.5	215.1	201.3	194.7	192.4	190.8
125°	487.9	411.2	350.1	307.3	275.6	251.3	232.1	218.1	211.5	207.8	206.3
127.5°	474.6	409.4	357.9	320.6	291.4	268.0	248.8	233.9	225.6	220.8	218.6
130°	465.8	408.3	362.6	329.4	301.4	278.6	259.4	243.9	234.3	228.5	226.2
132.5°	458.7	408.3	367.9	337.1	310.9	288.0	268.8	252.8	242.0	235.0	232.1
135°	450.3	408.3	375.1	347.9	323.6	300.7	280.8	265.3	253.5	244.7	241.8
137.5°	442.8	409.2	381.7	355.8	332.5	311.7	291.2	276.1	264.3	256.0	253.8
140°	439.2	409.7	384.7	361.1	339.0	317.6	297.7	283.7	271.9	263.1	260.9
142.5°	436.3	410.4	386.4	364.1	343.1	322.9	304.3	290.8	279.0	270.8	269.1
145°	431.9	409.7	388.4	368.4	350.1	330.9	314.0	300.7	290.4	283.0	281.5
147.5°	427.3	407.8	389.1	371.2	354.5	337.7	322.8	311.3	301.7	295.4	294.5
150°	423.8	406.0	389.1	372.9	357.4	341.2	328.7	318.4	308.8	303.6	302.2
152.5°	419.6	403.7	388.5	374.1	360.3	345.3	334.0	324.2	315.8	311.3	310.4
155°	412.7	399.4	386.9	375.1	363.4	350.8	340.4	333.1	325.7	321.3	321.3
157.5°	406.2	395.0	385.0	375.9	365.8	355.1	347.2	340.7	334.4	330.9	331.0
160°	401.0	392.1	383.2	375.9	367.0	357.4	350.8	344.9	339.8	336.8	337.5
162.5°	396.2	388.5	381.4	375.2	368.2	359.8	354.3	349.6	345.1	342.1	342.8
165°	389.1	383.2	378.8	374.4	368.4	362.6	358.2	355.2	351.6	349.3	350.8
167.5°	382.2	378.1	374.7	372.6	368.4	363.6	360.8	358.7	356.7	355.3	356.1
170°	378.1	375.1	372.9	371.5	368.4	364.8	362.6	361.1	359.7	358.9	359.7
172.5°	373.9	371.6	370.5	370.2	367.9	364.8	363.7	362.9	361.4	360.7	362.0
175°	368.4	367.8	367.8	368.4	367.0	364.8	364.8	364.8	364.1	363.4	364.8
177.5°	366.1	365.5	365.5	366.7	366.1	365.0	365.0	365.5	365.0	365.0	366.1
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5





TEST NUMBER: P333315-830

CATALOG NUMBER: S125DIP-S1270D810U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1740.4	1748.7	1754.0	1764.0	1772.2	1776.9	1781.0	1784.5	1788.7	1792.2	1802.1
5°	1751.6	1770.7	1786.9	1811.8	1834.7	1852.3	1871.3	1888.3	1902.2	1922.0	1937.5
7.5°	1746.7	1780.7	1816.3	1854.9	1894.4	1931.2	1965.0	1996.6	2025.2	2059.9	2090.3
10°	1742.0	1788.4	1833.9	1886.0	1939.7	1985.3	2027.9	2071.2	2102.8	2146.9	2184.3
12.5°	1738.5	1793.0	1848.0	1910.7	1969.6	2034.0	2090.7	2122.3	2170.4	2205.6	2250.2
15°	1723.7	1795.7	1871.3	1941.9	2025.6	2085.2	2135.1	2196.9	2241.6	2286.5	2335.0
17.5°	1697.0	1778.7	1863.3	1955.7	2036.1	2100.0	2164.4	2223.9	2277.4	2337.5	2397.8
20°	1684.7	1766.3	1863.3	1958.0	2036.6	2103.6	2169.6	2235.1	2293.9	2371.0	2440.8
22.5°	1658.9	1757.5	1846.8	1939.3	2020.2	2092.9	2167.9	2242.1	2320.3	2407.4	2494.8
25°	1612.8	1712.7	1807.4	1898.6	1980.1	2071.2	2151.3	2250.5	2350.4	2465.8	2574.5
27.5°	1564.8	1660.5	1747.4	1835.3	1930.4	2033.6	2137.5	2250.0	2380.9	2526.5	2679.8
30°	1526.1	1616.4	1700.9	1791.3	1890.5	2006.6	2120.4	2254.2	2405.6	2569.4	2751.6
32.5°	1480.7	1564.1	1646.2	1741.9	1849.9	1972.5	2105.2	2251.8	2433.7	2619.9	2807.5
35°	1403.4	1473.1	1557.6	1659.7	1781.7	1922.0	2075.7	2249.0	2457.7	2671.4	2829.4
37.5°	1311.5	1376.5	1465.5	1577.4	1705.3	1856.0	2038.2	2243.9	2465.5	2635.9	2686.9
40°	1249.8	1310.0	1402.6	1518.7	1649.4	1808.9	2008.7	2226.3	2440.8	2549.5	2507.6
42.5°	1183.9	1247.2	1337.4	1452.3	1593.1	1766.6	1971.7	2189.2	2369.1	2410.2	2265.5
45°	1080.1	1145.5	1234.4	1350.5	1501.8	1689.9	1903.7	2101.3	2204.9	2130.7	1906.7
47.5°	983.5	1044.8	1127.2	1247.0	1403.2	1597.7	1803.6	1961.3	1969.5	1792.4	1553.1
50°	917.7	974.2	1057.2	1177.0	1332.1	1529.0	1714.9	1839.0	1783.2	1582.6	1352.6
52.5°	853.0	908.4	990.2	1108.9	1262.2	1442.6	1615.5	1702.7	1597.4	1391.6	1195.1
55°	759.7	808.2	888.3	997.8	1143.2	1310.8	1457.7	1487.8	1351.1	1148.4	988.9
57.5°	668.6	713.9	786.7	887.6	1020.6	1168.9	1283.8	1277.4	1132.9	958.9	832.5
60°	606.9	651.0	715.7	814.1	935.3	1063.2	1161.6	1138.1	994.9	845.0	738.4
62.5°	551.7	591.0	652.1	738.3	848.9	967.3	1048.2	1013.5	873.2	742.1	657.9
65°	470.2	503.3	555.4	629.0	720.8	818.5	880.9	836.1	716.3	614.3	546.7
67.5°	392.5	419.0	462.7	521.3	599.6	678.2	716.2	671.1	575.3	500.8	450.7
70°	343.1	366.6	400.4	452.6	520.9	587.0	615.7	575.3	493.0	429.0	393.0
72.5°	293.8	313.1	342.8	389.7	444.5	501.8	527.0	488.3	420.8	366.7	333.1
75°	227.1	240.3	260.8	293.1	336.5	382.1	396.1	362.2	318.9	278.4	256.5
77.5°	162.5	173.7	189.3	209.7	240.4	269.4	281.5	262.0	228.5	202.9	184.8
80°	124.9	130.8	144.0	160.9	185.1	203.5	211.6	199.2	175.6	156.5	142.5
82.5°	89.1	94.9	102.8	116.8	132.2	144.8	153.4	145.1	128.0	113.0	104.9
85°	43.4	47.0	51.5	57.3	69.1	76.4	75.7	70.5	63.9	58.1	53.6
87.5°	15.6	16.5	18.5	21.8	23.8	26.3	27.8	26.8	24.7	23.1	21.5
90°	1.5	2.9	4.4	5.9	7.4	8.1	9.6	10.3	11.8	12.5	13.3
92.5°	10.9	17.1	26.2	38.9	60.4	100.7	168.1	241.4	237.6	192.4	130.6
95°	25.1	30.9	39.0	55.2	88.4	167.3	329.4	532.8	653.0	638.9	529.9
97.5°	41.3	45.4	53.5	68.1	92.0	144.1	263.0	475.8	697.3	808.4	789.2
100°	53.1	56.0	64.1	78.1	100.2	143.0	238.7	424.5	665.5	849.7	906.4
102.5°	64.8	67.2	75.9	88.7	110.3	148.3	228.8	385.6	609.4	825.0	945.9
105°	83.3	87.0	94.3	106.1	126.8	159.2	224.8	347.9	534.3	745.8	922.7
107.5°	103.6	107.2	113.2	125.5	144.0	175.4	231.6	332.0	482.6	665.1	839.5
110°	117.2	120.1	126.8	137.8	156.9	187.2	238.1	327.3	458.4	619.1	778.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	130.7	133.1	139.7	150.8	169.4	198.4	246.3	327.3	444.2	584.8	729.9
115°	150.3	152.6	159.2	170.2	188.7	215.9	258.6	329.4	429.0	547.5	669.2
117.5°	168.8	171.2	177.8	190.3	208.1	233.9	272.9	334.3	421.4	525.3	630.0
120°	180.6	183.5	190.1	202.6	221.1	246.9	282.3	339.0	417.8	512.9	608.7
122.5°	192.4	194.7	201.3	215.1	233.5	259.3	292.8	343.1	414.9	502.3	592.9
125°	207.8	211.5	218.1	232.1	251.3	275.6	307.3	350.1	411.2	487.9	569.7
127.5°	220.8	225.6	233.9	248.8	268.0	291.4	320.6	357.9	409.4	474.6	546.1
130°	228.5	234.3	243.9	259.4	278.6	301.4	329.4	362.6	408.3	465.8	531.3
132.5°	235.0	242.0	252.8	268.8	288.0	310.9	337.1	367.9	408.3	458.7	516.6
135°	244.7	253.5	265.3	280.8	300.7	323.6	347.9	375.1	408.3	450.3	497.5
137.5°	256.0	264.3	276.1	291.2	311.7	332.5	355.8	381.7	409.2	442.8	481.3
140°	263.1	271.9	283.7	297.7	317.6	339.0	361.1	384.7	409.7	439.2	472.4
142.5°	270.8	279.0	290.8	304.3	322.9	343.1	364.1	386.4	410.4	436.3	464.8
145°	283.0	290.4	300.7	314.0	330.9	350.1	368.4	388.4	409.7	431.9	454.7
147.5°	295.4	301.7	311.3	322.8	337.7	354.5	371.2	389.1	407.8	427.3	445.3
150°	303.6	308.8	318.4	328.7	341.2	357.4	372.9	389.1	406.0	423.8	440.0
152.5°	311.3	315.8	324.2	334.0	345.3	360.3	374.1	388.5	403.7	419.6	434.0
155°	321.3	325.7	333.1	340.4	350.8	363.4	375.1	386.9	399.4	412.7	425.3
157.5°	330.9	334.4	340.7	347.2	355.1	365.8	375.9	385.0	395.0	406.2	416.4
160°	336.8	339.8	344.9	350.8	357.4	367.0	375.9	383.2	392.1	401.0	410.5
162.5°	342.1	345.1	349.6	354.3	359.8	368.2	375.2	381.4	388.5	396.2	404.0
165°	349.3	351.6	355.2	358.2	362.6	368.4	374.4	378.8	383.2	389.1	395.0
167.5°	355.3	356.7	358.7	360.8	363.6	368.4	372.6	374.7	378.1	382.2	386.4
170°	358.9	359.7	361.1	362.6	364.8	368.4	371.5	372.9	375.1	378.1	381.7
172.5°	360.7	361.4	362.9	363.7	364.8	367.9	370.2	370.5	371.6	373.9	376.5
175°	363.4	364.1	364.8	364.8	364.8	367.0	368.4	367.8	367.8	368.4	370.7
177.5°	365.0	365.0	365.5	365.0	365.0	366.1	366.7	365.5	365.5	366.1	366.7
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1810.3	1815.1	1825.0	1821.6	1826.3	1828.6	1831.0
5°	1956.6	1980.1	1990.4	1989.0	2004.3	2000.6	1997.0
7.5°	2121.8	2146.5	2160.3	2177.5	2187.5	2188.2	2196.9
10°	2215.3	2247.6	2260.8	2279.2	2290.9	2297.5	2296.8
12.5°	2286.9	2312.2	2341.8	2350.9	2366.7	2375.1	2372.0
15°	2373.2	2413.6	2444.5	2459.8	2479.7	2485.6	2493.7
17.5°	2450.2	2504.4	2540.4	2588.3	2606.4	2617.4	2610.9
20°	2508.4	2579.6	2615.6	2673.0	2704.5	2721.5	2715.6
22.5°	2577.2	2654.3	2720.8	2770.5	2818.6	2841.4	2846.1
25°	2695.0	2800.8	2898.5	2963.9	3023.4	3037.3	3068.3
27.5°	2826.7	2951.4	3055.9	3124.7	3166.1	3181.6	3191.4
30°	2909.5	3033.7	3112.4	3156.4	3169.7	3168.2	3166.7
32.5°	2950.1	3027.8	3043.0	3030.7	3000.4	2974.8	2948.1
35°	2892.7	2834.6	2747.9	2636.2	2553.9	2470.9	2462.9
37.5°	2601.5	2415.9	2271.6	2110.4	2017.4	1960.0	1920.3
40°	2327.6	2116.8	1941.9	1806.0	1711.2	1673.8	1637.0
42.5°	2030.2	1828.7	1673.9	1560.3	1489.0	1447.5	1418.3
45°	1649.4	1471.7	1350.5	1268.2	1211.5	1179.2	1160.8
47.5°	1351.6	1220.1	1117.1	1057.7	1018.6	993.5	993.6
50°	1191.8	1066.1	997.8	950.7	916.9	897.1	900.8
52.5°	1050.1	956.2	897.9	858.5	833.5	821.2	820.9
55°	878.0	810.4	772.2	743.6	726.6	712.7	715.7
57.5°	751.0	694.0	668.5	644.7	632.9	627.4	619.3
60°	672.3	628.2	606.1	587.0	575.3	570.9	562.8
62.5°	602.4	567.7	546.2	530.7	520.0	518.6	512.3
65°	506.2	479.8	460.7	453.4	442.3	439.4	439.4
67.5°	417.4	398.4	383.5	376.7	371.9	372.7	369.1
70°	361.5	346.1	336.5	329.1	325.5	326.2	323.3
72.5°	316.2	299.1	290.7	286.3	281.4	283.3	282.1
75°	239.5	230.7	226.3	221.9	219.0	217.4	216.0
77.5°	175.9	168.1	164.8	162.2	162.7	159.1	161.9
80°	135.9	129.3	127.1	123.5	122.7	122.7	122.0
82.5°	99.4	95.8	94.2	91.1	89.8	91.0	89.1
85°	51.5	48.4	47.8	47.8	46.3	44.9	48.4
87.5°	21.6	19.4	19.7	19.1	19.1	18.7	17.5
90°	14.0	14.7	16.2	16.2	16.2	17.0	17.0
92.5°	94.8	71.4	60.4	51.0	49.2	48.2	47.0
95°	417.8	327.3	265.3	213.0	190.9	185.0	173.1
97.5°	710.6	622.3	536.2	490.7	449.4	428.0	418.6
100°	870.3	794.5	717.8	666.9	613.9	586.6	574.9
102.5°	968.3	931.8	880.0	825.6	787.8	758.2	749.3
105°	1023.7	1056.1	1048.0	1024.4	1000.0	985.3	976.5
107.5°	974.3	1057.5	1096.0	1108.0	1107.8	1103.0	1097.0
110°	918.2	1022.2	1084.8	1117.9	1132.0	1137.2	1137.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	862.8	967.9	1041.8	1090.2	1114.3	1127.1	1132.5
115°	783.4	884.4	964.7	1022.2	1057.5	1078.2	1087.8
117.5°	728.4	815.4	889.1	946.6	983.1	1003.6	1009.5
120°	697.2	778.3	843.1	897.6	933.0	952.9	958.8
122.5°	674.8	747.0	807.8	856.4	888.8	908.7	914.0
125°	644.9	709.0	762.0	803.3	833.5	849.7	857.1
127.5°	616.2	676.1	725.8	763.2	789.9	805.2	808.4
130°	596.3	653.7	701.6	738.5	762.8	777.5	781.9
132.5°	577.3	629.5	675.6	712.5	736.8	750.4	755.4
135°	548.3	595.5	637.4	669.9	694.2	707.5	711.9
137.5°	522.4	561.6	597.2	626.3	648.4	660.6	665.5
140°	507.0	540.9	571.8	599.2	618.3	629.3	633.0
142.5°	494.1	523.2	550.1	573.3	589.5	599.9	602.9
145°	477.6	500.4	520.3	538.0	550.5	558.6	561.6
147.5°	463.8	481.4	496.4	510.4	520.5	525.2	526.5
150°	456.2	470.1	483.4	494.6	503.3	506.3	507.0
152.5°	448.6	461.4	471.6	481.0	488.0	491.0	491.7
155°	437.1	447.3	455.4	462.8	468.0	470.1	470.9
157.5°	426.1	434.0	440.5	446.2	450.4	452.5	452.3
160°	417.8	425.3	430.4	435.5	439.2	440.7	440.0
162.5°	410.8	417.0	421.5	425.6	428.6	429.0	428.8
165°	400.2	404.6	408.3	411.2	412.7	412.7	412.7
167.5°	389.8	393.2	395.9	397.4	398.7	398.1	397.9
170°	384.0	386.2	387.7	389.1	389.8	389.8	389.1
172.5°	378.6	380.3	381.2	381.4	382.8	381.6	380.9
175°	370.7	372.2	372.2	372.2	372.9	371.5	370.7
177.5°	367.3	367.3	367.3	366.7	367.3	365.5	365.5
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5

(END OF REPORT)