

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: P333315-930

Luminaire Tested: **S125DIP-S1270D810U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333315-930
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-S1270D810U930-4F0-1E-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: 6598.2 lumens
Efficiency: N/A
Efficacy: 108.7 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

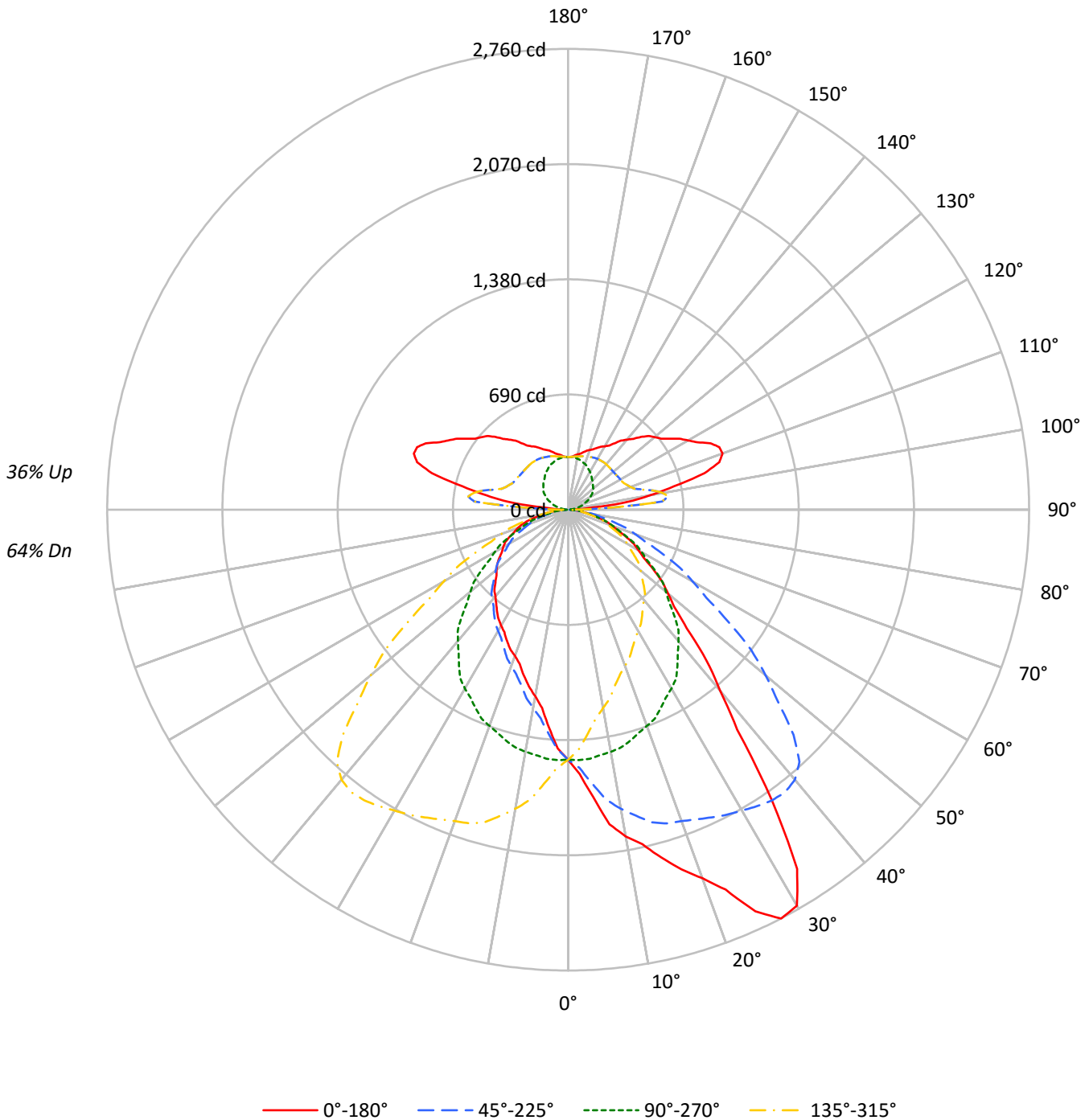
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9671	9671	9671	9671
5°	11199	9703	8496	9703
10°	13029	9653	7444	9653
15°	14422	9582	6867	9582
20°	16144	9470	6403	9470
25°	18912	9344	6178	9344
30°	20427	9219	5982	9219
35°	16796	8984	5852	8984
40°	11938	8658	5712	8658
45°	9171	8219	5630	8219
50°	7829	7675	5620	7675
55°	6971	7142	5668	7142
60°	6288	6559	5813	6559
65°	5809	5974	5963	5974
70°	5280	5365	6048	5365
75°	4664	4726	5996	4726
80°	3924	3853	5482	3853
85°	3105	2779	4431	2779



TEST NUMBER: P333315-930

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	2.2
10°-20°	429.2	6.5
20°-30°	696.9	10.6
30°-40°	850.1	12.9
40°-50°	773.3	11.7
50°-60°	616.0	9.3
60°-70°	429.0	6.5
70°-80°	228.8	3.5
80°-90°	59.5	0.9
90°-100°	229.2	3.5
100°-110°	492.7	7.5
110°-120°	462.4	7.0
120°-130°	374.7	5.7
130°-140°	300.7	4.6
140°-150°	226.9	3.4
150°-160°	159.7	2.4
160°-170°	94.2	1.4
170°-180°	30.6	0.5
0°-30°	1270.2	19.3
0°-40°	2120.3	32.1
0°-60°	3509.7	53.2
0°-90°	4227.0	64.1
90°-120°	1184.3	17.9
90°-150°	2086.6	31.6
90°-180°	2371.0	35.9
0°-180°	6598.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1497	1497	1497	1497	1497	
5°	1727	1497	1310	1497	1727	174
15°	2157	1433	1027	1433	2157	617
25°	2654	1311	867	1311	2654	1212
35°	2130	1140	742	1140	2130	1304
45°	1004	900	616	900	1004	804
55°	619	634	503	634	619	558
65°	380	391	390	391	380	377
75°	187	189	240	189	187	201
85°	42	38	60	38	42	49
90°	15	1	15	1	15	12
95°	150	21	150	21	150	212
105°	845	72	845	72	845	840
115°	941	129	941	129	941	919
125°	741	178	741	178	741	671
135°	616	209	616	209	616	477
145°	486	244	486	244	486	309
155°	407	278	407	278	407	190
165°	357	304	357	304	357	102
175°	321	316	321	316	321	31
180°	316	316	316	316	316	



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1583.8	1581.8	1579.7	1575.6	1578.7	1570.0	1565.9	1558.9	1550.2	1547.2	1543.6
5°	1727.4	1730.6	1733.7	1720.4	1721.7	1712.8	1692.5	1675.9	1662.6	1645.4	1633.4
7.5°	1900.3	1892.8	1892.1	1883.5	1868.7	1856.7	1835.3	1808.1	1781.8	1751.8	1727.0
10°	1986.7	1987.4	1981.7	1971.5	1955.6	1944.2	1916.2	1889.5	1857.1	1818.9	1791.6
12.5°	2051.8	2054.5	2047.2	2033.5	2025.7	2000.1	1978.2	1946.4	1907.9	1877.4	1835.8
15°	2157.0	2150.0	2145.0	2127.8	2114.5	2087.7	2052.8	2019.7	1977.8	1939.0	1900.3
17.5°	2258.5	2264.1	2254.5	2238.9	2197.5	2166.3	2119.5	2074.1	2021.9	1969.9	1923.7
20°	2349.0	2354.1	2339.4	2312.1	2262.5	2231.4	2169.8	2111.3	2050.9	1984.2	1933.3
22.5°	2461.9	2457.8	2438.1	2396.5	2353.5	2296.0	2229.3	2158.0	2082.4	2007.0	1939.4
25°	2654.0	2627.3	2615.2	2563.8	2507.2	2422.7	2331.2	2226.9	2132.9	2033.1	1946.7
27.5°	2760.5	2752.1	2738.7	2702.9	2643.4	2552.9	2445.1	2318.1	2185.4	2059.4	1946.3
30°	2739.2	2740.5	2741.8	2730.3	2692.2	2624.1	2516.7	2380.1	2222.5	2080.8	1949.9
32.5°	2550.1	2573.2	2595.3	2621.5	2632.2	2619.1	2551.8	2428.5	2266.2	2105.2	1947.8
35°	2130.4	2137.3	2209.1	2280.3	2376.9	2451.9	2502.2	2447.4	2310.8	2125.9	1945.4
37.5°	1661.1	1695.4	1745.1	1825.5	1965.0	2089.8	2250.3	2324.2	2280.1	2132.7	1941.0
40°	1416.0	1447.8	1480.2	1562.2	1679.8	1831.0	2013.4	2169.1	2205.3	2111.3	1925.7
42.5°	1226.9	1252.1	1288.0	1349.6	1447.9	1581.8	1756.2	1959.7	2084.8	2049.3	1893.7
45°	1004.1	1020.0	1048.0	1097.0	1168.2	1273.0	1426.8	1649.3	1843.1	1907.2	1817.6
47.5°	859.5	859.4	881.1	914.9	966.3	1055.4	1169.1	1343.5	1550.5	1703.6	1696.6
50°	779.2	776.0	793.1	822.4	863.1	922.2	1030.9	1170.0	1369.0	1542.5	1590.7
52.5°	710.0	710.4	721.0	742.6	776.7	827.1	908.3	1033.8	1203.7	1381.8	1472.8
55°	619.1	616.4	628.5	643.2	668.0	701.0	759.5	855.4	993.4	1168.7	1286.9
57.5°	535.7	542.7	547.5	557.7	578.2	600.3	649.6	720.1	829.5	980.0	1105.0
60°	486.8	493.8	497.7	507.8	524.3	543.4	581.6	638.7	730.9	860.5	984.5
62.5°	443.1	448.6	449.8	459.0	472.5	491.1	521.1	569.1	641.9	755.3	876.7
65°	380.1	380.1	382.6	392.2	398.5	415.0	437.9	472.9	531.3	619.6	723.3
67.5°	319.3	322.4	321.7	325.9	331.7	344.6	361.0	389.9	433.2	497.7	580.5
70°	279.6	282.2	281.5	284.7	291.1	299.4	312.7	340.0	371.1	426.5	497.7
72.5°	244.0	245.1	243.4	247.6	251.4	258.7	273.5	288.1	317.2	363.9	422.4
75°	186.9	188.1	189.4	191.9	195.8	199.6	207.2	221.8	240.8	275.8	313.3
77.5°	140.1	137.6	140.7	140.3	142.5	145.4	152.1	159.9	175.5	197.6	226.7
80°	105.5	106.2	106.2	106.8	110.0	111.9	117.6	123.3	135.3	151.9	172.3
82.5°	77.0	78.7	77.7	78.8	81.4	82.8	86.0	90.7	97.8	110.7	125.5
85°	41.9	38.8	40.0	41.3	41.3	41.9	44.5	46.4	50.2	55.3	61.0
87.5°	15.2	16.1	16.6	16.6	17.0	16.8	18.7	18.6	20.0	21.4	23.2
90°	14.7	14.7	14.0	14.0	14.0	12.7	12.1	11.5	10.8	10.2	8.9
92.5°	40.7	41.7	42.6	44.1	52.3	61.7	82.0	113.0	166.4	205.5	208.8
95°	149.8	160.0	165.1	184.3	229.5	283.1	361.4	458.4	552.7	564.8	460.9
97.5°	362.1	370.2	388.7	424.4	463.8	538.3	614.7	682.7	699.3	603.2	411.6
100°	497.3	507.4	531.0	576.9	620.9	687.2	752.8	784.1	735.0	575.7	367.2
102.5°	648.2	655.8	681.4	714.1	761.2	806.0	837.6	818.2	713.6	527.2	333.5
105°	844.7	852.3	865.0	886.1	906.5	913.5	885.5	798.1	645.1	462.2	300.9
107.5°	948.9	954.1	958.2	958.4	948.0	914.8	842.8	726.2	575.3	417.4	287.1
110°	983.7	983.7	979.2	967.0	938.3	884.2	794.3	673.2	535.5	396.5	283.1



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	979.6	974.9	963.8	943.1	901.2	837.2	746.3	631.4	505.9	384.3	283.1
115°	940.9	932.6	914.8	884.2	834.5	765.0	677.7	578.9	473.6	371.0	284.9
117.5°	873.2	868.1	850.4	818.8	769.1	705.3	630.1	544.9	454.4	364.5	289.2
120°	829.3	824.3	807.1	776.4	729.3	673.2	603.1	526.5	443.7	361.4	293.3
122.5°	790.6	786.0	768.8	740.8	698.7	646.1	583.7	512.8	434.5	358.9	296.8
125°	741.4	735.0	721.0	694.9	659.2	613.3	557.8	492.8	422.0	355.7	302.8
127.5°	699.3	696.5	683.2	660.1	627.8	584.8	533.0	472.4	410.5	354.2	309.6
130°	676.4	672.5	659.8	638.8	606.9	565.4	515.8	459.6	402.9	353.2	313.6
132.5°	653.4	649.1	637.3	616.3	584.4	544.5	499.4	446.9	396.8	353.2	318.2
135°	615.8	612.0	600.5	579.4	551.4	515.1	474.3	430.3	389.5	353.2	324.5
137.5°	575.7	571.4	560.8	541.8	516.6	485.8	451.8	416.3	383.0	353.9	330.2
140°	547.6	544.4	534.8	518.3	494.6	467.9	438.5	408.6	379.9	354.4	332.7
142.5°	521.5	518.9	509.9	495.9	475.8	452.6	427.4	402.0	377.4	355.0	334.3
145°	485.8	483.2	476.2	465.4	450.0	432.8	413.1	393.3	373.6	354.4	336.0
147.5°	455.4	454.3	450.2	441.5	429.4	416.4	401.2	385.1	369.6	352.8	336.6
150°	438.5	438.0	435.4	427.8	418.2	406.7	394.6	380.6	366.6	351.2	336.6
152.5°	425.3	424.7	422.2	416.0	408.0	399.1	388.0	375.4	363.0	349.2	336.1
155°	407.3	406.7	404.8	400.3	394.0	386.9	378.1	367.9	357.0	345.5	334.7
157.5°	391.3	391.4	389.6	386.0	381.0	375.4	368.6	360.2	351.4	341.7	333.0
160°	380.6	381.2	379.9	376.7	372.3	367.9	361.4	355.1	346.8	339.2	331.5
162.5°	370.9	371.0	370.7	368.1	364.6	360.7	355.3	349.4	342.7	336.1	330.0
165°	357.0	357.0	357.0	355.7	353.2	350.0	346.2	341.7	336.6	331.5	327.7
167.5°	344.2	344.4	344.9	343.7	342.4	340.1	337.2	334.3	330.6	327.0	324.1
170°	336.6	337.2	337.2	336.6	335.3	334.0	332.2	330.2	327.0	324.5	322.5
172.5°	329.5	330.1	331.1	330.0	329.7	329.0	327.5	325.6	323.4	321.4	320.5
175°	320.7	321.3	322.5	322.0	322.0	322.0	320.7	320.7	318.7	318.1	318.1
177.5°	316.2	316.2	317.7	317.2	317.7	317.7	317.7	317.2	316.7	316.2	316.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1540.6	1537.0	1532.9	1525.8	1517.2	1512.6	1505.5	1500.9	1491.8	1484.1	1476.0
5°	1618.7	1602.2	1587.0	1567.2	1545.6	1531.6	1515.2	1496.7	1477.6	1457.9	1436.3
7.5°	1699.7	1670.5	1638.7	1604.5	1571.1	1540.3	1510.9	1482.1	1455.1	1422.6	1395.1
10°	1754.1	1717.3	1677.8	1631.4	1586.3	1546.9	1506.8	1471.9	1436.3	1398.2	1364.5
12.5°	1808.5	1759.4	1703.7	1652.8	1598.6	1550.9	1503.8	1459.2	1414.5	1372.2	1333.0
15°	1846.9	1803.7	1752.2	1679.8	1618.7	1553.3	1491.0	1433.1	1379.2	1332.1	1282.5
17.5°	1872.2	1816.5	1761.2	1691.7	1611.8	1538.6	1467.9	1401.7	1340.8	1281.2	1233.5
20°	1876.7	1819.6	1761.7	1693.7	1611.8	1527.9	1457.3	1377.9	1312.4	1250.8	1192.3
22.5°	1875.3	1810.4	1747.5	1677.5	1597.5	1520.2	1434.9	1354.0	1282.9	1222.3	1161.2
25°	1860.8	1791.6	1712.8	1642.3	1563.4	1481.5	1395.1	1311.2	1238.7	1169.4	1109.1
27.5°	1848.9	1759.1	1669.8	1587.6	1511.5	1436.3	1353.6	1267.6	1187.3	1117.1	1060.2
30°	1834.2	1735.7	1635.2	1549.5	1471.3	1398.2	1320.1	1236.2	1152.3	1083.6	1022.6
32.5°	1821.0	1706.2	1600.2	1506.8	1424.0	1352.9	1280.8	1201.0	1118.7	1049.0	988.0
35°	1795.5	1662.6	1541.2	1435.7	1347.4	1274.2	1213.9	1139.5	1063.9	996.5	938.1
37.5°	1763.0	1605.4	1475.1	1364.5	1267.6	1190.7	1134.4	1077.3	1004.8	939.9	887.0
40°	1737.6	1564.7	1426.8	1313.7	1213.2	1133.2	1081.1	1027.0	966.7	906.3	850.4
42.5°	1705.5	1528.1	1378.0	1256.2	1156.8	1078.8	1024.1	978.2	925.0	868.7	816.8
45°	1646.7	1461.8	1299.0	1168.2	1067.7	990.8	934.3	899.9	859.9	806.5	762.6
47.5°	1560.2	1382.0	1213.7	1078.6	975.0	903.8	850.8	817.8	789.6	749.9	710.1
50°	1483.4	1322.6	1152.3	1018.1	914.5	842.7	793.8	763.9	739.8	709.2	675.6
52.5°	1397.4	1247.8	1091.8	959.2	856.6	785.8	737.8	711.6	691.5	669.6	636.4
55°	1260.9	1133.8	988.9	863.1	768.3	699.1	657.1	634.3	617.8	601.2	580.9
57.5°	1110.5	1011.1	882.8	767.8	680.5	617.5	578.4	556.1	543.2	534.8	522.8
60°	1004.8	919.7	809.0	704.2	619.1	563.1	525.0	507.8	497.0	490.0	481.1
62.5°	906.7	836.7	734.3	638.6	564.1	511.2	477.2	460.5	450.2	446.8	439.4
65°	762.0	708.0	623.5	544.0	480.5	435.4	406.8	390.9	384.5	380.7	381.3
67.5°	619.5	586.6	518.7	450.9	400.2	362.4	339.5	327.3	324.2	319.0	318.9
70°	532.6	507.8	450.6	391.5	346.3	317.2	296.8	284.1	280.9	278.3	277.8
72.5°	455.8	434.1	384.5	337.1	296.5	270.8	254.1	246.5	241.2	239.7	239.6
75°	342.6	330.5	291.1	253.6	225.6	207.8	196.4	189.4	185.6	184.9	185.6
77.5°	243.5	233.0	208.0	181.4	163.7	150.3	140.6	138.2	133.9	134.0	133.3
80°	183.0	176.0	160.1	139.2	124.6	113.2	108.0	103.6	102.3	100.4	102.3
82.5°	132.7	125.2	114.4	101.0	88.9	82.1	77.0	75.7	74.8	73.9	74.4
85°	65.5	66.1	59.8	49.6	44.5	40.7	37.5	37.5	36.9	36.2	36.9
87.5°	24.1	22.7	20.6	18.8	16.0	14.3	13.5	13.9	12.5	12.2	13.0
90°	8.3	7.0	6.4	5.1	3.8	2.5	1.3	0.7	1.3	2.5	3.8
92.5°	145.4	87.1	52.3	33.7	22.7	14.8	9.5	7.7	9.5	14.8	22.7
95°	284.9	144.7	76.5	47.8	33.8	26.7	21.7	21.0	21.7	26.7	33.8
97.5°	227.5	124.7	79.6	58.9	46.3	39.3	35.7	34.9	35.7	39.3	46.3
100°	206.5	123.7	86.7	67.6	55.4	48.4	45.9	44.6	45.9	48.4	55.4
102.5°	197.9	128.2	95.4	76.7	65.6	58.1	56.1	55.4	56.1	58.1	65.6
105°	194.4	137.7	109.7	91.8	81.6	75.3	72.1	72.1	72.1	75.3	81.6
107.5°	200.3	151.7	124.6	108.5	97.9	92.7	89.6	88.4	89.6	92.7	97.9
110°	205.9	161.9	135.7	119.2	109.7	103.9	101.3	100.1	101.3	103.9	109.7



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	213.0	171.6	146.5	130.4	120.8	115.1	113.1	111.8	113.1	115.1	120.8
115°	223.7	186.8	163.2	147.2	137.7	132.0	130.0	128.7	130.0	132.0	137.7
117.5°	236.0	202.4	180.0	164.6	153.8	148.1	146.0	144.1	146.0	148.1	153.8
120°	244.2	213.5	191.3	175.3	164.4	158.7	156.2	154.3	156.2	158.7	164.4
122.5°	253.3	224.3	201.9	186.1	174.1	168.4	166.4	165.0	166.4	168.4	174.1
125°	265.8	238.4	217.4	200.8	188.7	183.0	179.8	178.5	179.8	183.0	188.7
127.5°	277.3	252.1	231.8	215.2	202.4	195.1	191.0	189.1	191.0	195.1	202.4
130°	284.9	260.7	241.0	224.4	211.0	202.7	197.6	195.7	197.6	202.7	211.0
132.5°	291.6	268.9	249.2	232.5	218.7	209.4	203.3	200.8	203.3	209.4	218.7
135°	300.9	279.9	260.1	242.9	229.5	219.3	211.7	209.1	211.7	219.3	229.5
137.5°	307.8	287.6	269.6	251.9	238.8	228.6	221.4	219.6	221.4	228.6	238.8
140°	312.3	293.3	274.8	257.6	245.4	235.2	227.6	225.7	227.6	235.2	245.4
142.5°	315.0	296.8	279.3	263.2	251.5	241.3	234.2	232.8	234.2	241.3	251.5
145°	318.7	302.8	286.3	271.6	260.1	251.2	244.8	243.5	244.8	251.2	260.1
147.5°	321.1	306.6	292.1	279.2	269.3	261.0	255.5	254.7	255.5	261.0	269.3
150°	322.5	309.2	295.1	284.3	275.4	267.1	262.6	261.4	262.6	267.1	275.4
152.5°	323.6	311.7	298.7	288.9	280.5	273.2	269.3	268.5	269.3	273.2	280.5
155°	324.5	314.3	303.5	294.5	288.1	281.8	277.9	277.9	277.9	281.8	288.1
157.5°	325.1	316.4	307.1	300.4	294.7	289.3	286.3	286.3	286.3	289.3	294.7
160°	325.1	317.5	309.2	303.5	298.3	293.9	291.3	292.0	291.3	293.9	298.3
162.5°	324.6	318.5	311.2	306.5	302.4	298.5	296.0	296.5	296.0	298.5	302.4
165°	323.8	318.7	313.6	309.8	307.3	304.1	302.1	303.5	302.1	304.1	307.3
167.5°	322.3	318.7	314.5	312.1	310.3	308.5	307.4	308.0	307.4	308.5	310.3
170°	321.3	318.7	315.5	313.6	312.3	311.1	310.5	311.1	310.5	311.1	312.3
172.5°	320.2	318.2	315.5	314.6	313.9	312.6	312.0	313.2	312.0	312.6	313.9
175°	318.7	317.5	315.5	315.5	315.5	315.0	314.3	315.5	314.3	315.0	315.5
177.5°	317.2	316.7	315.7	315.7	316.2	315.7	315.7	316.7	315.7	315.7	316.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1471.4	1465.8	1461.3	1451.1	1445.4	1437.9	1431.7	1438.4	1431.3	1434.3	1429.7
5°	1425.6	1407.7	1395.1	1376.6	1360.7	1346.1	1335.3	1333.3	1328.3	1325.8	1318.1
7.5°	1370.4	1348.1	1326.2	1302.1	1281.7	1261.0	1247.8	1236.9	1229.6	1220.1	1213.7
10°	1337.8	1308.0	1282.5	1253.3	1227.8	1205.7	1187.8	1178.9	1170.7	1158.6	1154.1
12.5°	1297.6	1266.7	1235.7	1204.5	1180.1	1155.3	1140.0	1126.6	1120.9	1107.3	1105.9
15°	1249.4	1203.1	1172.6	1140.8	1107.1	1086.8	1074.1	1059.5	1053.1	1043.6	1036.6
17.5°	1192.0	1150.6	1112.5	1079.5	1050.7	1033.6	1017.7	1007.7	996.8	990.6	979.1
20°	1150.3	1110.9	1072.8	1037.9	1015.6	995.9	983.2	973.6	962.2	959.0	947.6
22.5°	1115.2	1071.8	1035.2	1005.8	981.5	959.3	945.6	939.1	931.2	921.5	919.1
25°	1058.2	1013.1	981.9	952.7	931.1	910.8	901.2	892.9	885.3	878.3	875.8
27.5°	1008.9	968.6	931.6	905.1	886.3	867.8	859.4	849.4	843.8	838.1	831.3
30°	974.3	932.9	900.6	875.1	854.8	838.3	829.4	822.4	817.3	812.2	808.5
32.5°	938.7	900.4	869.0	844.2	823.8	811.3	803.5	798.5	792.9	786.8	782.0
35°	891.7	849.7	819.2	797.6	781.7	772.2	763.3	758.8	752.5	752.5	747.4
37.5°	838.7	802.4	775.5	755.8	741.5	733.0	723.4	720.3	716.2	713.5	711.8
40°	807.1	773.5	748.0	728.3	713.1	706.0	698.5	693.4	690.8	687.6	686.4
42.5°	774.6	742.4	718.0	699.9	686.6	680.7	673.5	670.0	664.9	660.7	660.0
45°	725.1	694.0	671.8	657.1	645.7	638.7	634.3	626.6	624.1	619.1	618.4
47.5°	678.2	648.4	626.6	614.6	604.5	598.8	591.8	584.2	581.3	578.7	578.5
50°	643.2	615.9	595.5	584.1	574.5	566.3	559.3	554.2	552.3	552.3	553.6
52.5°	607.6	584.3	567.0	553.0	544.0	535.2	528.8	525.7	522.8	525.9	528.2
55°	555.5	532.0	519.3	505.9	497.0	486.8	483.6	482.4	480.5	485.6	488.1
57.5°	500.3	483.8	468.9	455.7	447.7	441.8	437.5	436.8	440.3	442.7	450.9
60°	465.2	446.1	432.8	422.7	413.1	409.3	408.1	406.8	409.3	416.3	427.1
62.5°	426.6	411.1	396.7	389.1	382.0	375.8	375.4	376.3	381.3	389.3	400.1
65°	369.9	356.5	347.0	338.1	332.4	328.6	329.9	332.4	338.1	348.9	361.0
67.5°	312.3	303.1	294.6	287.4	281.9	281.9	283.2	287.0	293.8	306.2	317.2
70°	275.2	265.1	258.0	254.9	250.4	247.9	251.7	258.0	263.7	275.2	284.7
72.5°	238.1	229.4	224.0	221.8	219.9	217.8	219.2	226.0	233.7	245.2	256.2
75°	183.0	179.9	176.0	173.5	171.6	172.8	174.1	180.5	186.9	198.9	211.7
77.5°	133.6	130.3	128.0	127.3	126.4	126.9	130.5	135.3	141.5	150.3	159.9
80°	101.0	99.8	98.5	97.8	97.8	98.5	103.6	106.8	112.5	120.7	128.4
82.5°	73.6	72.8	72.6	72.5	73.0	73.1	76.1	80.3	85.0	91.2	97.8
85°	38.8	37.5	39.4	40.0	38.8	40.7	41.9	44.5	46.4	49.6	52.7
87.5°	13.7	15.0	14.6	15.4	15.5	16.8	16.4	18.6	19.7	20.9	20.6
90°	5.1	6.4	7.0	8.3	8.9	10.2	10.8	11.5	12.1	12.7	14.0
92.5°	33.7	52.3	87.1	145.4	208.8	205.5	166.4	113.0	82.0	61.7	52.3
95°	47.8	76.5	144.7	284.9	460.9	564.8	552.7	458.4	361.4	283.1	229.5
97.5°	58.9	79.6	124.7	227.5	411.6	603.2	699.3	682.7	614.7	538.3	463.8
100°	67.6	86.7	123.7	206.5	367.2	575.7	735.0	784.1	752.8	687.2	620.9
102.5°	76.7	95.4	128.2	197.9	333.5	527.2	713.6	818.2	837.6	806.0	761.2
105°	91.8	109.7	137.7	194.4	300.9	462.2	645.1	798.1	885.5	913.5	906.5
107.5°	108.5	124.6	151.7	200.3	287.1	417.4	575.3	726.2	842.8	914.8	948.0
110°	119.2	135.7	161.9	205.9	283.1	396.5	535.5	673.2	794.3	884.2	938.3



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	130.4	146.5	171.6	213.0	283.1	384.3	505.9	631.4	746.3	837.2	901.2
115°	147.2	163.2	186.8	223.7	284.9	371.0	473.6	578.9	677.7	765.0	834.5
117.5°	164.6	180.0	202.4	236.0	289.2	364.5	454.4	544.9	630.1	705.3	769.1
120°	175.3	191.3	213.5	244.2	293.3	361.4	443.7	526.5	603.1	673.2	729.3
122.5°	186.1	201.9	224.3	253.3	296.8	358.9	434.5	512.8	583.7	646.1	698.7
125°	200.8	217.4	238.4	265.8	302.8	355.7	422.0	492.8	557.8	613.3	659.2
127.5°	215.2	231.8	252.1	277.3	309.6	354.2	410.5	472.4	533.0	584.8	627.8
130°	224.4	241.0	260.7	284.9	313.6	353.2	402.9	459.6	515.8	565.4	606.9
132.5°	232.5	249.2	268.9	291.6	318.2	353.2	396.8	446.9	499.4	544.5	584.4
135°	242.9	260.1	279.9	300.9	324.5	353.2	389.5	430.3	474.3	515.1	551.4
137.5°	251.9	269.6	287.6	307.8	330.2	353.9	383.0	416.3	451.8	485.8	516.6
140°	257.6	274.8	293.3	312.3	332.7	354.4	379.9	408.6	438.5	467.9	494.6
142.5°	263.2	279.3	296.8	315.0	334.3	355.0	377.4	402.0	427.4	452.6	475.8
145°	271.6	286.3	302.8	318.7	336.0	354.4	373.6	393.3	413.1	432.8	450.0
147.5°	279.2	292.1	306.6	321.1	336.6	352.8	369.6	385.1	401.2	416.4	429.4
150°	284.3	295.1	309.2	322.5	336.6	351.2	366.6	380.6	394.6	406.7	418.2
152.5°	288.9	298.7	311.7	323.6	336.1	349.2	363.0	375.4	388.0	399.1	408.0
155°	294.5	303.5	314.3	324.5	334.7	345.5	357.0	367.9	378.1	386.9	394.0
157.5°	300.4	307.1	316.4	325.1	333.0	341.7	351.4	360.2	368.6	375.4	381.0
160°	303.5	309.2	317.5	325.1	331.5	339.2	346.8	355.1	361.4	367.9	372.3
162.5°	306.5	311.2	318.5	324.6	330.0	336.1	342.7	349.4	355.3	360.7	364.6
165°	309.8	313.6	318.7	323.8	327.7	331.5	336.6	341.7	346.2	350.0	353.2
167.5°	312.1	314.5	318.7	322.3	324.1	327.0	330.6	334.3	337.2	340.1	342.4
170°	313.6	315.5	318.7	321.3	322.5	324.5	327.0	330.2	332.2	334.0	335.3
172.5°	314.6	315.5	318.2	320.2	320.5	321.4	323.4	325.6	327.5	329.0	329.7
175°	315.5	315.5	317.5	318.7	318.1	318.1	318.7	320.7	320.7	322.0	322.0
177.5°	315.7	315.7	316.7	317.2	316.2	316.2	316.7	317.2	317.7	317.7	317.7
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1426.7	1430.2	1427.2	1431.3	1427.2	1430.2	1426.7	1429.7	1434.3	1431.3	1438.4
5°	1314.9	1309.2	1313.0	1310.5	1313.0	1309.2	1314.9	1318.1	1325.8	1328.3	1333.3
7.5°	1211.7	1206.2	1200.0	1197.1	1200.0	1206.2	1211.7	1213.7	1220.1	1229.6	1236.9
10°	1147.1	1140.2	1139.5	1135.1	1139.5	1140.2	1147.1	1154.1	1158.6	1170.7	1178.9
12.5°	1099.8	1093.4	1086.1	1084.3	1086.1	1093.4	1099.8	1105.9	1107.3	1120.9	1126.6
15°	1032.7	1027.7	1023.2	1027.0	1023.2	1027.7	1032.7	1036.6	1043.6	1053.1	1059.5
17.5°	977.0	972.7	972.0	967.3	972.0	972.7	977.0	979.1	990.6	996.8	1007.7
20°	941.9	938.7	940.0	931.7	940.0	938.7	941.9	947.6	959.0	962.2	973.6
22.5°	914.0	907.7	906.9	905.3	906.9	907.7	914.0	919.1	921.5	931.2	939.1
25°	870.1	866.9	863.7	866.9	863.7	866.9	870.1	875.8	878.3	885.3	892.9
27.5°	831.8	828.0	827.1	827.4	827.1	828.0	831.8	831.3	838.1	843.8	849.4
30°	808.5	802.1	802.7	802.1	802.7	802.1	808.5	808.5	812.2	817.3	822.4
32.5°	783.0	778.7	777.8	776.7	777.8	778.7	783.0	782.0	786.8	792.9	798.5
35°	745.5	745.5	742.3	742.3	742.3	745.5	745.5	747.4	752.5	752.5	758.8
37.5°	710.3	709.6	707.8	708.0	707.8	709.6	710.3	711.8	713.5	716.2	720.3
40°	683.9	683.2	681.3	677.5	681.3	683.2	683.9	686.4	687.6	690.8	693.4
42.5°	658.4	656.2	655.3	654.1	655.3	656.2	658.4	660.0	660.7	664.9	670.0
45°	618.4	618.4	617.1	616.4	617.1	618.4	618.4	618.4	619.1	624.1	626.6
47.5°	579.5	580.7	583.0	582.7	583.0	580.7	579.5	578.5	578.7	581.3	584.2
50°	556.1	556.8	558.6	559.3	558.6	556.8	556.1	553.6	552.3	552.3	554.2
52.5°	530.2	533.9	536.3	535.9	536.3	533.9	530.2	528.2	525.9	522.8	525.7
55°	493.8	498.2	502.7	503.4	502.7	498.2	493.8	488.1	485.6	480.5	482.4
57.5°	457.9	464.1	468.8	470.3	468.8	464.1	457.9	450.9	442.7	440.3	436.8
60°	433.4	441.7	447.4	450.0	447.4	441.7	433.4	427.1	416.3	409.3	406.8
62.5°	410.0	419.3	425.0	425.6	425.0	419.3	410.0	400.1	389.3	381.3	376.3
65°	371.8	381.3	386.4	390.2	386.4	381.3	371.8	361.0	348.9	338.1	332.4
67.5°	330.6	340.1	345.8	348.8	345.8	340.1	330.6	317.2	306.2	293.8	287.0
70°	300.6	310.1	317.8	320.3	317.8	310.1	300.6	284.7	275.2	263.7	258.0
72.5°	271.1	279.6	285.8	288.8	285.8	279.6	271.1	256.2	245.2	233.7	226.0
75°	219.9	231.3	237.1	240.3	237.1	231.3	219.9	211.7	198.9	186.9	180.5
77.5°	169.6	180.0	183.4	185.1	183.4	180.0	169.6	159.9	150.3	141.5	135.3
80°	136.0	142.4	146.8	147.4	146.8	142.4	136.0	128.4	120.7	112.5	106.8
82.5°	104.5	109.8	111.2	112.8	111.2	109.8	104.5	97.8	91.2	85.0	80.3
85°	57.2	59.8	60.4	59.8	60.4	59.8	57.2	52.7	49.6	46.4	44.5
87.5°	21.6	21.1	21.2	22.3	21.2	21.1	21.6	20.6	20.9	19.7	18.6
90°	14.0	14.0	14.7	14.7	14.7	14.0	14.0	14.0	12.7	12.1	11.5
92.5°	44.1	42.6	41.7	40.7	41.7	42.6	44.1	52.3	61.7	82.0	113.0
95°	184.3	165.1	160.0	149.8	160.0	165.1	184.3	229.5	283.1	361.4	458.4
97.5°	424.4	388.7	370.2	362.1	370.2	388.7	424.4	463.8	538.3	614.7	682.7
100°	576.9	531.0	507.4	497.3	507.4	531.0	576.9	620.9	687.2	752.8	784.1
102.5°	714.1	681.4	655.8	648.2	655.8	681.4	714.1	761.2	806.0	837.6	818.2
105°	886.1	865.0	852.3	844.7	852.3	865.0	886.1	906.5	913.5	885.5	798.1
107.5°	958.4	958.2	954.1	948.9	954.1	958.2	958.4	948.0	914.8	842.8	726.2
110°	967.0	979.2	983.7	983.7	983.7	979.2	967.0	938.3	884.2	794.3	673.2



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	943.1	963.8	974.9	979.6	974.9	963.8	943.1	901.2	837.2	746.3	631.4
115°	884.2	914.8	932.6	940.9	932.6	914.8	884.2	834.5	765.0	677.7	578.9
117.5°	818.8	850.4	868.1	873.2	868.1	850.4	818.8	769.1	705.3	630.1	544.9
120°	776.4	807.1	824.3	829.3	824.3	807.1	776.4	729.3	673.2	603.1	526.5
122.5°	740.8	768.8	786.0	790.6	786.0	768.8	740.8	698.7	646.1	583.7	512.8
125°	694.9	721.0	735.0	741.4	735.0	721.0	694.9	659.2	613.3	557.8	492.8
127.5°	660.1	683.2	696.5	699.3	696.5	683.2	660.1	627.8	584.8	533.0	472.4
130°	638.8	659.8	672.5	676.4	672.5	659.8	638.8	606.9	565.4	515.8	459.6
132.5°	616.3	637.3	649.1	653.4	649.1	637.3	616.3	584.4	544.5	499.4	446.9
135°	579.4	600.5	612.0	615.8	612.0	600.5	579.4	551.4	515.1	474.3	430.3
137.5°	541.8	560.8	571.4	575.7	571.4	560.8	541.8	516.6	485.8	451.8	416.3
140°	518.3	534.8	544.4	547.6	544.4	534.8	518.3	494.6	467.9	438.5	408.6
142.5°	495.9	509.9	518.9	521.5	518.9	509.9	495.9	475.8	452.6	427.4	402.0
145°	465.4	476.2	483.2	485.8	483.2	476.2	465.4	450.0	432.8	413.1	393.3
147.5°	441.5	450.2	454.3	455.4	454.3	450.2	441.5	429.4	416.4	401.2	385.1
150°	427.8	435.4	438.0	438.5	438.0	435.4	427.8	418.2	406.7	394.6	380.6
152.5°	416.0	422.2	424.7	425.3	424.7	422.2	416.0	408.0	399.1	388.0	375.4
155°	400.3	404.8	406.7	407.3	406.7	404.8	400.3	394.0	386.9	378.1	367.9
157.5°	386.0	389.6	391.4	391.3	391.4	389.6	386.0	381.0	375.4	368.6	360.2
160°	376.7	379.9	381.2	380.6	381.2	379.9	376.7	372.3	367.9	361.4	355.1
162.5°	368.1	370.7	371.0	370.9	371.0	370.7	368.1	364.6	360.7	355.3	349.4
165°	355.7	357.0	357.0	357.0	357.0	357.0	355.7	353.2	350.0	346.2	341.7
167.5°	343.7	344.9	344.4	344.2	344.4	344.9	343.7	342.4	340.1	337.2	334.3
170°	336.6	337.2	337.2	336.6	337.2	337.2	336.6	335.3	334.0	332.2	330.2
172.5°	330.0	331.1	330.1	329.5	330.1	331.1	330.0	329.7	329.0	327.5	325.6
175°	322.0	322.5	321.3	320.7	321.3	322.5	322.0	322.0	322.0	320.7	320.7
177.5°	317.2	317.7	316.2	316.2	316.2	317.7	317.2	317.7	317.7	317.7	317.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1431.7	1437.9	1445.4	1451.1	1461.3	1465.8	1471.4	1476.0	1484.1	1491.8	1500.9
5°	1335.3	1346.1	1360.7	1376.6	1395.1	1407.7	1425.6	1436.3	1457.9	1477.6	1496.7
7.5°	1247.8	1261.0	1281.7	1302.1	1326.2	1348.1	1370.4	1395.1	1422.6	1455.1	1482.1
10°	1187.8	1205.7	1227.8	1253.3	1282.5	1308.0	1337.8	1364.5	1398.2	1436.3	1471.9
12.5°	1140.0	1155.3	1180.1	1204.5	1235.7	1266.7	1297.6	1333.0	1372.2	1414.5	1459.2
15°	1074.1	1086.8	1107.1	1140.8	1172.6	1203.1	1249.4	1282.5	1332.1	1379.2	1433.1
17.5°	1017.7	1033.6	1050.7	1079.5	1112.5	1150.6	1192.0	1233.5	1281.2	1340.8	1401.7
20°	983.2	995.9	1015.6	1037.9	1072.8	1110.9	1150.3	1192.3	1250.8	1312.4	1377.9
22.5°	945.6	959.3	981.5	1005.8	1035.2	1071.8	1115.2	1161.2	1222.3	1282.9	1354.0
25°	901.2	910.8	931.1	952.7	981.9	1013.1	1058.2	1109.1	1169.4	1238.7	1311.2
27.5°	859.4	867.8	886.3	905.1	931.6	968.6	1008.9	1060.2	1117.1	1187.3	1267.6
30°	829.4	838.3	854.8	875.1	900.6	932.9	974.3	1022.6	1083.6	1152.3	1236.2
32.5°	803.5	811.3	823.8	844.2	869.0	900.4	938.7	988.0	1049.0	1118.7	1201.0
35°	763.3	772.2	781.7	797.6	819.2	849.7	891.7	938.1	996.5	1063.9	1139.5
37.5°	723.4	733.0	741.5	755.8	775.5	802.4	838.7	887.0	939.9	1004.8	1077.3
40°	698.5	706.0	713.1	728.3	748.0	773.5	807.1	850.4	906.3	966.7	1027.0
42.5°	673.5	680.7	686.6	699.9	718.0	742.4	774.6	816.8	868.7	925.0	978.2
45°	634.3	638.7	645.7	657.1	671.8	694.0	725.1	762.6	806.5	859.9	899.9
47.5°	591.8	598.8	604.5	614.6	626.6	648.4	678.2	710.1	749.9	789.6	817.8
50°	559.3	566.3	574.5	584.1	595.5	615.9	643.2	675.6	709.2	739.8	763.9
52.5°	528.8	535.2	544.0	553.0	567.0	584.3	607.6	636.4	669.6	691.5	711.6
55°	483.6	486.8	497.0	505.9	519.3	532.0	555.5	580.9	601.2	617.8	634.3
57.5°	437.5	441.8	447.7	455.7	468.9	483.8	500.3	522.8	534.8	543.2	556.1
60°	408.1	409.3	413.1	422.7	432.8	446.1	465.2	481.1	490.0	497.0	507.8
62.5°	375.4	375.8	382.0	389.1	396.7	411.1	426.6	439.4	446.8	450.2	460.5
65°	329.9	328.6	332.4	338.1	347.0	356.5	369.9	381.3	380.7	384.5	390.9
67.5°	283.2	281.9	281.9	287.4	294.6	303.1	312.3	318.9	319.0	324.2	327.3
70°	251.7	247.9	250.4	254.9	258.0	265.1	275.2	277.8	278.3	280.9	284.1
72.5°	219.2	217.8	219.9	221.8	224.0	229.4	238.1	239.6	239.7	241.2	246.5
75°	174.1	172.8	171.6	173.5	176.0	179.9	183.0	185.6	184.9	185.6	189.4
77.5°	130.5	126.9	126.4	127.3	128.0	130.3	133.6	133.3	134.0	133.9	138.2
80°	103.6	98.5	97.8	97.8	98.5	99.8	101.0	102.3	100.4	102.3	103.6
82.5°	76.1	73.1	73.0	72.5	72.6	72.8	73.6	74.4	73.9	74.8	75.7
85°	41.9	40.7	38.8	40.0	39.4	37.5	38.8	36.9	36.2	36.9	37.5
87.5°	16.4	16.8	15.5	15.4	14.6	15.0	13.7	13.0	12.2	12.5	13.9
90°	10.8	10.2	8.9	8.3	7.0	6.4	5.1	3.8	2.5	1.3	0.7
92.5°	166.4	205.5	208.8	145.4	87.1	52.3	33.7	22.7	14.8	9.5	7.7
95°	552.7	564.8	460.9	284.9	144.7	76.5	47.8	33.8	26.7	21.7	21.0
97.5°	699.3	603.2	411.6	227.5	124.7	79.6	58.9	46.3	39.3	35.7	34.9
100°	735.0	575.7	367.2	206.5	123.7	86.7	67.6	55.4	48.4	45.9	44.6
102.5°	713.6	527.2	333.5	197.9	128.2	95.4	76.7	65.6	58.1	56.1	55.4
105°	645.1	462.2	300.9	194.4	137.7	109.7	91.8	81.6	75.3	72.1	72.1
107.5°	575.3	417.4	287.1	200.3	151.7	124.6	108.5	97.9	92.7	89.6	88.4
110°	535.5	396.5	283.1	205.9	161.9	135.7	119.2	109.7	103.9	101.3	100.1



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	505.9	384.3	283.1	213.0	171.6	146.5	130.4	120.8	115.1	113.1	111.8
115°	473.6	371.0	284.9	223.7	186.8	163.2	147.2	137.7	132.0	130.0	128.7
117.5°	454.4	364.5	289.2	236.0	202.4	180.0	164.6	153.8	148.1	146.0	144.1
120°	443.7	361.4	293.3	244.2	213.5	191.3	175.3	164.4	158.7	156.2	154.3
122.5°	434.5	358.9	296.8	253.3	224.3	201.9	186.1	174.1	168.4	166.4	165.0
125°	422.0	355.7	302.8	265.8	238.4	217.4	200.8	188.7	183.0	179.8	178.5
127.5°	410.5	354.2	309.6	277.3	252.1	231.8	215.2	202.4	195.1	191.0	189.1
130°	402.9	353.2	313.6	284.9	260.7	241.0	224.4	211.0	202.7	197.6	195.7
132.5°	396.8	353.2	318.2	291.6	268.9	249.2	232.5	218.7	209.4	203.3	200.8
135°	389.5	353.2	324.5	300.9	279.9	260.1	242.9	229.5	219.3	211.7	209.1
137.5°	383.0	353.9	330.2	307.8	287.6	269.6	251.9	238.8	228.6	221.4	219.6
140°	379.9	354.4	332.7	312.3	293.3	274.8	257.6	245.4	235.2	227.6	225.7
142.5°	377.4	355.0	334.3	315.0	296.8	279.3	263.2	251.5	241.3	234.2	232.8
145°	373.6	354.4	336.0	318.7	302.8	286.3	271.6	260.1	251.2	244.8	243.5
147.5°	369.6	352.8	336.6	321.1	306.6	292.1	279.2	269.3	261.0	255.5	254.7
150°	366.6	351.2	336.6	322.5	309.2	295.1	284.3	275.4	267.1	262.6	261.4
152.5°	363.0	349.2	336.1	323.6	311.7	298.7	288.9	280.5	273.2	269.3	268.5
155°	357.0	345.5	334.7	324.5	314.3	303.5	294.5	288.1	281.8	277.9	277.9
157.5°	351.4	341.7	333.0	325.1	316.4	307.1	300.4	294.7	289.3	286.3	286.3
160°	346.8	339.2	331.5	325.1	317.5	309.2	303.5	298.3	293.9	291.3	292.0
162.5°	342.7	336.1	330.0	324.6	318.5	311.2	306.5	302.4	298.5	296.0	296.5
165°	336.6	331.5	327.7	323.8	318.7	313.6	309.8	307.3	304.1	302.1	303.5
167.5°	330.6	327.0	324.1	322.3	318.7	314.5	312.1	310.3	308.5	307.4	308.0
170°	327.0	324.5	322.5	321.3	318.7	315.5	313.6	312.3	311.1	310.5	311.1
172.5°	323.4	321.4	320.5	320.2	318.2	315.5	314.6	313.9	312.6	312.0	313.2
175°	318.7	318.1	318.1	318.7	317.5	315.5	315.5	315.5	315.0	314.3	315.5
177.5°	316.7	316.2	316.2	317.2	316.7	315.7	315.7	316.2	315.7	315.7	316.7
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1505.5	1512.6	1517.2	1525.8	1532.9	1537.0	1540.6	1543.6	1547.2	1550.2	1558.9
5°	1515.2	1531.6	1545.6	1567.2	1587.0	1602.2	1618.7	1633.4	1645.4	1662.6	1675.9
7.5°	1510.9	1540.3	1571.1	1604.5	1638.7	1670.5	1699.7	1727.0	1751.8	1781.8	1808.1
10°	1506.8	1546.9	1586.3	1631.4	1677.8	1717.3	1754.1	1791.6	1818.9	1857.1	1889.5
12.5°	1503.8	1550.9	1598.6	1652.8	1703.7	1759.4	1808.5	1835.8	1877.4	1907.9	1946.4
15°	1491.0	1553.3	1618.7	1679.8	1752.2	1803.7	1846.9	1900.3	1939.0	1977.8	2019.7
17.5°	1467.9	1538.6	1611.8	1691.7	1761.2	1816.5	1872.2	1923.7	1969.9	2021.9	2074.1
20°	1457.3	1527.9	1611.8	1693.7	1761.7	1819.6	1876.7	1933.3	1984.2	2050.9	2111.3
22.5°	1434.9	1520.2	1597.5	1677.5	1747.5	1810.4	1875.3	1939.4	2007.0	2082.4	2158.0
25°	1395.1	1481.5	1563.4	1642.3	1712.8	1791.6	1860.8	1946.7	2033.1	2132.9	2226.9
27.5°	1353.6	1436.3	1511.5	1587.6	1669.8	1759.1	1848.9	1946.3	2059.4	2185.4	2318.1
30°	1320.1	1398.2	1471.3	1549.5	1635.2	1735.7	1834.2	1949.9	2080.8	2222.5	2380.1
32.5°	1280.8	1352.9	1424.0	1506.8	1600.2	1706.2	1821.0	1947.8	2105.2	2266.2	2428.5
35°	1213.9	1274.2	1347.4	1435.7	1541.2	1662.6	1795.5	1945.4	2125.9	2310.8	2447.4
37.5°	1134.4	1190.7	1267.6	1364.5	1475.1	1605.4	1763.0	1941.0	2132.7	2280.1	2324.2
40°	1081.1	1133.2	1213.2	1313.7	1426.8	1564.7	1737.6	1925.7	2111.3	2205.3	2169.1
42.5°	1024.1	1078.8	1156.8	1256.2	1378.0	1528.1	1705.5	1893.7	2049.3	2084.8	1959.7
45°	934.3	990.8	1067.7	1168.2	1299.0	1461.8	1646.7	1817.6	1907.2	1843.1	1649.3
47.5°	850.8	903.8	975.0	1078.6	1213.7	1382.0	1560.2	1696.6	1703.6	1550.5	1343.5
50°	793.8	842.7	914.5	1018.1	1152.3	1322.6	1483.4	1590.7	1542.5	1369.0	1170.0
52.5°	737.8	785.8	856.6	959.2	1091.8	1247.8	1397.4	1472.8	1381.8	1203.7	1033.8
55°	657.1	699.1	768.3	863.1	988.9	1133.8	1260.9	1286.9	1168.7	993.4	855.4
57.5°	578.4	617.5	680.5	767.8	882.8	1011.1	1110.5	1105.0	980.0	829.5	720.1
60°	525.0	563.1	619.1	704.2	809.0	919.7	1004.8	984.5	860.5	730.9	638.7
62.5°	477.2	511.2	564.1	638.6	734.3	836.7	906.7	876.7	755.3	641.9	569.1
65°	406.8	435.4	480.5	544.0	623.5	708.0	762.0	723.3	619.6	531.3	472.9
67.5°	339.5	362.4	400.2	450.9	518.7	586.6	619.5	580.5	497.7	433.2	389.9
70°	296.8	317.2	346.3	391.5	450.6	507.8	532.6	497.7	426.5	371.1	340.0
72.5°	254.1	270.8	296.5	337.1	384.5	434.1	455.8	422.4	363.9	317.2	288.1
75°	196.4	207.8	225.6	253.6	291.1	330.5	342.6	313.3	275.8	240.8	221.8
77.5°	140.6	150.3	163.7	181.4	208.0	233.0	243.5	226.7	197.6	175.5	159.9
80°	108.0	113.2	124.6	139.2	160.1	176.0	183.0	172.3	151.9	135.3	123.3
82.5°	77.0	82.1	88.9	101.0	114.4	125.2	132.7	125.5	110.7	97.8	90.7
85°	37.5	40.7	44.5	49.6	59.8	66.1	65.5	61.0	55.3	50.2	46.4
87.5°	13.5	14.3	16.0	18.8	20.6	22.7	24.1	23.2	21.4	20.0	18.6
90°	1.3	2.5	3.8	5.1	6.4	7.0	8.3	8.9	10.2	10.8	11.5
92.5°	9.5	14.8	22.7	33.7	52.3	87.1	145.4	208.8	205.5	166.4	113.0
95°	21.7	26.7	33.8	47.8	76.5	144.7	284.9	460.9	564.8	552.7	458.4
97.5°	35.7	39.3	46.3	58.9	79.6	124.7	227.5	411.6	603.2	699.3	682.7
100°	45.9	48.4	55.4	67.6	86.7	123.7	206.5	367.2	575.7	735.0	784.1
102.5°	56.1	58.1	65.6	76.7	95.4	128.2	197.9	333.5	527.2	713.6	818.2
105°	72.1	75.3	81.6	91.8	109.7	137.7	194.4	300.9	462.2	645.1	798.1
107.5°	89.6	92.7	97.9	108.5	124.6	151.7	200.3	287.1	417.4	575.3	726.2
110°	101.3	103.9	109.7	119.2	135.7	161.9	205.9	283.1	396.5	535.5	673.2



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	113.1	115.1	120.8	130.4	146.5	171.6	213.0	283.1	384.3	505.9	631.4
115°	130.0	132.0	137.7	147.2	163.2	186.8	223.7	284.9	371.0	473.6	578.9
117.5°	146.0	148.1	153.8	164.6	180.0	202.4	236.0	289.2	364.5	454.4	544.9
120°	156.2	158.7	164.4	175.3	191.3	213.5	244.2	293.3	361.4	443.7	526.5
122.5°	166.4	168.4	174.1	186.1	201.9	224.3	253.3	296.8	358.9	434.5	512.8
125°	179.8	183.0	188.7	200.8	217.4	238.4	265.8	302.8	355.7	422.0	492.8
127.5°	191.0	195.1	202.4	215.2	231.8	252.1	277.3	309.6	354.2	410.5	472.4
130°	197.6	202.7	211.0	224.4	241.0	260.7	284.9	313.6	353.2	402.9	459.6
132.5°	203.3	209.4	218.7	232.5	249.2	268.9	291.6	318.2	353.2	396.8	446.9
135°	211.7	219.3	229.5	242.9	260.1	279.9	300.9	324.5	353.2	389.5	430.3
137.5°	221.4	228.6	238.8	251.9	269.6	287.6	307.8	330.2	353.9	383.0	416.3
140°	227.6	235.2	245.4	257.6	274.8	293.3	312.3	332.7	354.4	379.9	408.6
142.5°	234.2	241.3	251.5	263.2	279.3	296.8	315.0	334.3	355.0	377.4	402.0
145°	244.8	251.2	260.1	271.6	286.3	302.8	318.7	336.0	354.4	373.6	393.3
147.5°	255.5	261.0	269.3	279.2	292.1	306.6	321.1	336.6	352.8	369.6	385.1
150°	262.6	267.1	275.4	284.3	295.1	309.2	322.5	336.6	351.2	366.6	380.6
152.5°	269.3	273.2	280.5	288.9	298.7	311.7	323.6	336.1	349.2	363.0	375.4
155°	277.9	281.8	288.1	294.5	303.5	314.3	324.5	334.7	345.5	357.0	367.9
157.5°	286.3	289.3	294.7	300.4	307.1	316.4	325.1	333.0	341.7	351.4	360.2
160°	291.3	293.9	298.3	303.5	309.2	317.5	325.1	331.5	339.2	346.8	355.1
162.5°	296.0	298.5	302.4	306.5	311.2	318.5	324.6	330.0	336.1	342.7	349.4
165°	302.1	304.1	307.3	309.8	313.6	318.7	323.8	327.7	331.5	336.6	341.7
167.5°	307.4	308.5	310.3	312.1	314.5	318.7	322.3	324.1	327.0	330.6	334.3
170°	310.5	311.1	312.3	313.6	315.5	318.7	321.3	322.5	324.5	327.0	330.2
172.5°	312.0	312.6	313.9	314.6	315.5	318.2	320.2	320.5	321.4	323.4	325.6
175°	314.3	315.0	315.5	315.5	315.5	317.5	318.7	318.1	318.1	318.7	320.7
177.5°	315.7	315.7	316.2	315.7	315.7	316.7	317.2	316.2	316.2	316.7	317.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2	316.2



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1565.9	1570.0	1578.7	1575.6	1579.7	1581.8	1583.8
5°	1692.5	1712.8	1721.7	1720.4	1733.7	1730.6	1727.4
7.5°	1835.3	1856.7	1868.7	1883.5	1892.1	1892.8	1900.3
10°	1916.2	1944.2	1955.6	1971.5	1981.7	1987.4	1986.7
12.5°	1978.2	2000.1	2025.7	2033.5	2047.2	2054.5	2051.8
15°	2052.8	2087.7	2114.5	2127.8	2145.0	2150.0	2157.0
17.5°	2119.5	2166.3	2197.5	2238.9	2254.5	2264.1	2258.5
20°	2169.8	2231.4	2262.5	2312.1	2339.4	2354.1	2349.0
22.5°	2229.3	2296.0	2353.5	2396.5	2438.1	2457.8	2461.9
25°	2331.2	2422.7	2507.2	2563.8	2615.2	2627.3	2654.0
27.5°	2445.1	2552.9	2643.4	2702.9	2738.7	2752.1	2760.5
30°	2516.7	2624.1	2692.2	2730.3	2741.8	2740.5	2739.2
32.5°	2551.8	2619.1	2632.2	2621.5	2595.3	2573.2	2550.1
35°	2502.2	2451.9	2376.9	2280.3	2209.1	2137.3	2130.4
37.5°	2250.3	2089.8	1965.0	1825.5	1745.1	1695.4	1661.1
40°	2013.4	1831.0	1679.8	1562.2	1480.2	1447.8	1416.0
42.5°	1756.2	1581.8	1447.9	1349.6	1288.0	1252.1	1226.9
45°	1426.8	1273.0	1168.2	1097.0	1048.0	1020.0	1004.1
47.5°	1169.1	1055.4	966.3	914.9	881.1	859.4	859.5
50°	1030.9	922.2	863.1	822.4	793.1	776.0	779.2
52.5°	908.3	827.1	776.7	742.6	721.0	710.4	710.0
55°	759.5	701.0	668.0	643.2	628.5	616.4	619.1
57.5°	649.6	600.3	578.2	557.7	547.5	542.7	535.7
60°	581.6	543.4	524.3	507.8	497.7	493.8	486.8
62.5°	521.1	491.1	472.5	459.0	449.8	448.6	443.1
65°	437.9	415.0	398.5	392.2	382.6	380.1	380.1
67.5°	361.0	344.6	331.7	325.9	321.7	322.4	319.3
70°	312.7	299.4	291.1	284.7	281.5	282.2	279.6
72.5°	273.5	258.7	251.4	247.6	243.4	245.1	244.0
75°	207.2	199.6	195.8	191.9	189.4	188.1	186.9
77.5°	152.1	145.4	142.5	140.3	140.7	137.6	140.1
80°	117.6	111.9	110.0	106.8	106.2	106.2	105.5
82.5°	86.0	82.8	81.4	78.8	77.7	78.7	77.0
85°	44.5	41.9	41.3	41.3	40.0	38.8	41.9
87.5°	18.7	16.8	17.0	16.6	16.6	16.1	15.2
90°	12.1	12.7	14.0	14.0	14.0	14.7	14.7
92.5°	82.0	61.7	52.3	44.1	42.6	41.7	40.7
95°	361.4	283.1	229.5	184.3	165.1	160.0	149.8
97.5°	614.7	538.3	463.8	424.4	388.7	370.2	362.1
100°	752.8	687.2	620.9	576.9	531.0	507.4	497.3
102.5°	837.6	806.0	761.2	714.1	681.4	655.8	648.2
105°	885.5	913.5	906.5	886.1	865.0	852.3	844.7
107.5°	842.8	914.8	948.0	958.4	958.2	954.1	948.9
110°	794.3	884.2	938.3	967.0	979.2	983.7	983.7



TEST NUMBER: P333315-930

CATALOG NUMBER: S125DIP-S1270D810U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	746.3	837.2	901.2	943.1	963.8	974.9	979.6
115°	677.7	765.0	834.5	884.2	914.8	932.6	940.9
117.5°	630.1	705.3	769.1	818.8	850.4	868.1	873.2
120°	603.1	673.2	729.3	776.4	807.1	824.3	829.3
122.5°	583.7	646.1	698.7	740.8	768.8	786.0	790.6
125°	557.8	613.3	659.2	694.9	721.0	735.0	741.4
127.5°	533.0	584.8	627.8	660.1	683.2	696.5	699.3
130°	515.8	565.4	606.9	638.8	659.8	672.5	676.4
132.5°	499.4	544.5	584.4	616.3	637.3	649.1	653.4
135°	474.3	515.1	551.4	579.4	600.5	612.0	615.8
137.5°	451.8	485.8	516.6	541.8	560.8	571.4	575.7
140°	438.5	467.9	494.6	518.3	534.8	544.4	547.6
142.5°	427.4	452.6	475.8	495.9	509.9	518.9	521.5
145°	413.1	432.8	450.0	465.4	476.2	483.2	485.8
147.5°	401.2	416.4	429.4	441.5	450.2	454.3	455.4
150°	394.6	406.7	418.2	427.8	435.4	438.0	438.5
152.5°	388.0	399.1	408.0	416.0	422.2	424.7	425.3
155°	378.1	386.9	394.0	400.3	404.8	406.7	407.3
157.5°	368.6	375.4	381.0	386.0	389.6	391.4	391.3
160°	361.4	367.9	372.3	376.7	379.9	381.2	380.6
162.5°	355.3	360.7	364.6	368.1	370.7	371.0	370.9
165°	346.2	350.0	353.2	355.7	357.0	357.0	357.0
167.5°	337.2	340.1	342.4	343.7	344.9	344.4	344.2
170°	332.2	334.0	335.3	336.6	337.2	337.2	336.6
172.5°	327.5	329.0	329.7	330.0	331.1	330.1	329.5
175°	320.7	322.0	322.0	322.0	322.5	321.3	320.7
177.5°	317.7	317.7	317.7	317.2	317.7	316.2	316.2
180°	316.2	316.2	316.2	316.2	316.2	316.2	316.2

(END OF REPORT)