

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: P333315-935

Luminaire Tested: **S125DIP-S1270D810U935-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333315-935
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-S1270D810U935-4F0-1E-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: 6968.0 lumens
Efficiency: N/A
Efficacy: 114.8 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

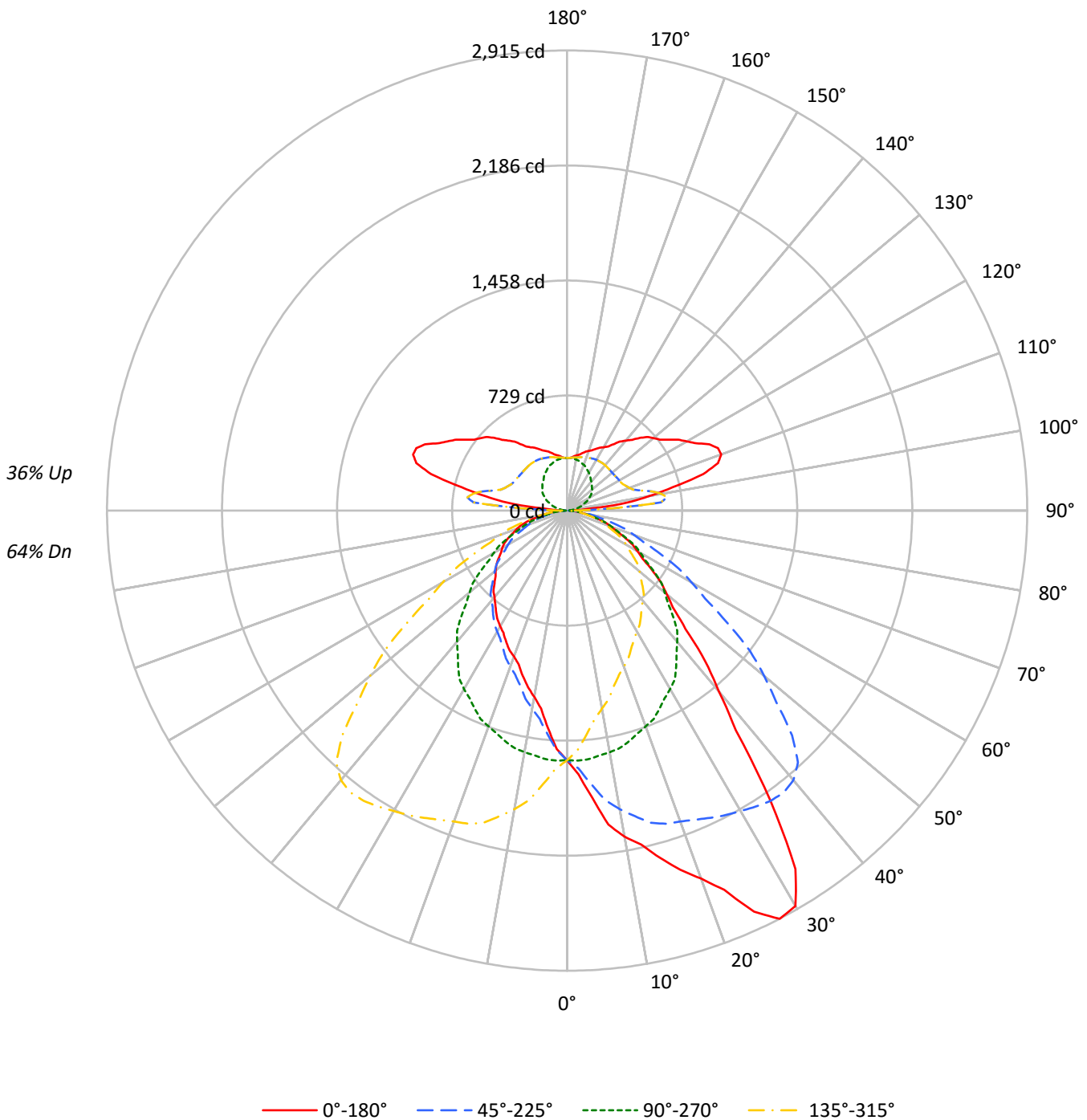
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	110	110	110	110	104	104	104	104	91	91	91	80	80	80	69	69	69
1	101	97	93	90	95	91	88	85	80	78	76	71	69	67	62	60	59
2	92	85	79	74	87	80	75	70	71	67	63	62	59	56	54	52	50
3	84	75	68	62	79	71	64	59	63	58	53	55	51	48	48	45	43
4	77	67	59	52	72	63	56	50	56	50	46	49	45	41	43	40	37
5	71	59	51	45	67	56	49	43	50	44	40	44	40	36	39	35	32
6	66	53	45	39	61	51	43	38	45	39	35	40	35	32	36	32	29
7	61	48	40	35	57	46	38	33	41	35	31	37	32	28	33	29	25
8	56	44	36	31	53	42	35	30	38	32	27	34	29	25	30	26	23
9	53	40	33	27	49	38	31	26	34	29	24	31	26	23	28	24	21
10	49	37	30	25	46	35	28	24	32	26	22	29	24	20	26	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10213	10213	10213	10213
5°	11826	10247	8972	10247
10°	13759	10194	7861	10194
15°	15230	10120	7252	10120
20°	17049	10001	6763	10001
25°	19973	9867	6524	9867
30°	21572	9735	6317	9735
35°	17738	9488	6180	9488
40°	12607	9144	6032	9144
45°	9685	8680	5946	8680
50°	8268	8106	5934	8106
55°	7362	7543	5986	7543
60°	6640	6926	6138	6926
65°	6134	6308	6298	6308
70°	5576	5665	6388	5665
75°	4923	4991	6331	4991
80°	4143	4069	5791	4069
85°	3283	2934	4676	2934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	2.2
10°-20°	453.2	6.5
20°-30°	736.0	10.6
30°-40°	897.7	12.9
40°-50°	816.7	11.7
50°-60°	650.5	9.3
60°-70°	453.1	6.5
70°-80°	241.6	3.5
80°-90°	62.8	0.9
90°-100°	242.0	3.5
100°-110°	520.3	7.5
110°-120°	488.3	7.0
120°-130°	395.7	5.7
130°-140°	317.6	4.6
140°-150°	239.7	3.4
150°-160°	168.7	2.4
160°-170°	99.4	1.4
170°-180°	32.3	0.5
0°-30°	1341.4	19.3
0°-40°	2239.2	32.1
0°-60°	3706.4	53.2
0°-90°	4463.9	64.1
90°-120°	1250.6	17.9
90°-150°	2203.6	31.6
90°-180°	2504.0	35.9
0°-180°	6968.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1581	1581	1581	1581	1581	
5°	1824	1581	1384	1581	1824	184
15°	2278	1514	1085	1514	2278	652
25°	2803	1385	916	1385	2803	1280
35°	2250	1203	784	1203	2250	1377
45°	1060	950	651	950	1060	849
55°	654	670	532	670	654	589
65°	401	413	412	413	401	398
75°	197	200	254	200	197	212
85°	44	40	63	40	44	51
90°	16	1	16	1	16	12
95°	158	22	158	22	158	224
105°	892	76	892	76	892	887
115°	994	136	994	136	994	971
125°	783	188	783	188	783	708
135°	650	221	650	221	650	504
145°	513	257	513	257	513	326
155°	430	294	430	294	430	201
165°	377	320	377	320	377	108
175°	339	333	339	333	339	33
180°	334	334	334	334	334	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1672.6	1670.4	1668.3	1664.0	1667.2	1658.0	1653.7	1646.2	1637.1	1633.9	1630.1
5°	1824.2	1827.6	1830.9	1816.9	1818.2	1808.8	1787.3	1769.9	1755.8	1737.7	1724.9
7.5°	2006.8	1998.9	1998.2	1989.1	1973.4	1960.8	1938.2	1909.4	1881.7	1850.0	1823.9
10°	2098.1	2098.8	2092.7	2082.0	2065.2	2053.1	2023.6	1995.4	1961.2	1920.9	1892.0
12.5°	2166.8	2169.6	2162.0	2147.5	2139.2	2112.2	2089.0	2055.6	2014.8	1982.6	1938.7
15°	2277.9	2270.5	2265.2	2247.0	2233.0	2204.8	2167.9	2133.0	2088.7	2047.7	2006.8
17.5°	2385.1	2391.0	2380.9	2364.4	2320.7	2287.8	2238.3	2190.4	2135.3	2080.3	2031.5
20°	2480.6	2486.1	2470.6	2441.7	2389.4	2356.5	2291.4	2229.6	2165.8	2095.4	2041.7
22.5°	2599.9	2595.6	2574.7	2530.8	2485.4	2424.7	2354.2	2279.0	2199.2	2119.5	2048.1
25°	2802.8	2774.6	2761.8	2707.5	2647.7	2558.5	2461.9	2351.7	2252.5	2147.1	2055.8
27.5°	2915.3	2906.4	2892.2	2854.4	2791.5	2696.0	2582.1	2448.0	2307.9	2174.9	2055.4
30°	2892.7	2894.1	2895.5	2883.3	2843.1	2771.2	2657.8	2513.5	2347.1	2197.4	2059.2
32.5°	2693.0	2717.4	2740.8	2768.5	2779.7	2765.9	2694.8	2564.6	2393.2	2223.2	2057.0
35°	2249.8	2257.1	2333.0	2408.1	2510.2	2589.4	2642.4	2584.6	2440.3	2245.1	2054.4
37.5°	1754.2	1790.4	1842.9	1927.9	2075.1	2206.9	2376.4	2454.5	2407.9	2252.2	2049.8
40°	1495.4	1529.0	1563.1	1649.8	1773.9	1933.6	2126.2	2290.7	2328.9	2229.6	2033.7
42.5°	1295.6	1322.2	1360.2	1425.3	1529.0	1670.5	1854.6	2069.5	2201.7	2164.1	1999.8
45°	1060.4	1077.2	1106.7	1158.5	1233.6	1344.4	1506.8	1741.7	1946.4	2014.1	1919.5
47.5°	907.7	907.6	930.5	966.2	1020.5	1114.6	1234.7	1418.8	1637.4	1799.1	1791.7
50°	822.9	819.5	837.6	868.5	911.5	973.9	1088.6	1235.6	1445.7	1628.9	1679.9
52.5°	749.8	750.2	761.4	784.2	820.2	873.5	959.2	1091.7	1271.2	1459.2	1555.4
55°	653.8	651.0	663.7	679.2	705.4	740.3	802.0	903.4	1049.0	1234.2	1359.1
57.5°	565.7	573.1	578.2	588.9	610.6	634.0	686.0	760.4	876.0	1034.9	1166.9
60°	514.1	521.5	525.6	536.2	553.7	573.9	614.2	674.5	771.9	908.8	1039.7
62.5°	468.0	473.7	475.0	484.7	498.9	518.6	550.3	601.0	677.9	797.6	925.8
65°	401.4	401.4	404.1	414.1	420.9	438.2	462.4	499.4	561.1	654.4	763.8
67.5°	337.2	340.4	339.8	344.1	350.3	363.9	381.3	411.7	457.4	525.6	613.0
70°	295.3	298.0	297.3	300.7	307.4	316.2	330.2	359.0	391.9	450.4	525.6
72.5°	257.7	258.8	257.1	261.5	265.5	273.2	288.9	304.3	335.0	384.4	446.1
75°	197.3	198.6	200.0	202.7	206.7	210.8	218.8	234.3	254.3	291.3	330.9
77.5°	147.9	145.3	148.6	148.2	150.5	153.6	160.7	168.8	185.4	208.7	239.4
80°	111.4	112.1	112.1	112.8	116.1	118.1	124.2	130.2	142.9	160.4	181.9
82.5°	81.4	83.1	82.1	83.3	86.0	87.5	90.8	95.8	103.2	116.9	132.5
85°	44.3	41.0	42.3	43.7	43.7	44.3	47.0	49.0	53.0	58.4	64.4
87.5°	16.0	17.0	17.5	17.5	18.0	17.7	19.7	19.6	21.1	22.6	24.5
90°	15.5	15.5	14.8	14.8	14.8	13.4	12.8	12.1	11.5	10.8	9.4
92.5°	43.0	44.0	44.9	46.6	55.2	65.2	86.6	119.3	175.7	217.1	220.5
95°	158.2	169.0	174.4	194.6	242.4	298.9	381.7	484.1	583.7	596.5	486.7
97.5°	382.4	391.0	410.5	448.2	489.8	568.4	649.1	720.9	738.5	637.0	434.6
100°	525.1	535.9	560.8	609.2	655.7	725.7	795.0	828.0	776.2	608.0	387.8
102.5°	684.5	692.6	719.6	754.1	803.8	851.2	884.5	864.1	753.6	556.7	352.2
105°	892.0	900.1	913.5	935.7	957.3	964.8	935.1	842.8	681.3	488.1	317.8
107.5°	1002.1	1007.5	1011.9	1012.1	1001.2	966.0	890.0	766.9	607.5	440.8	303.2
110°	1038.8	1038.8	1034.1	1021.2	990.9	933.8	838.8	710.9	565.5	418.7	298.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1034.5	1029.6	1017.9	995.9	951.7	884.2	788.2	666.8	534.3	405.8	298.9
115°	993.7	984.9	966.0	933.8	881.2	807.9	715.7	611.3	500.2	391.8	300.9
117.5°	922.1	916.8	898.0	864.7	812.2	744.9	665.4	575.5	479.8	385.0	305.4
120°	875.8	870.5	852.3	819.9	770.2	710.9	636.9	556.0	468.6	381.7	309.7
122.5°	834.9	830.1	811.9	782.3	737.9	682.3	616.4	541.6	458.8	379.0	313.4
125°	782.9	776.2	761.4	733.8	696.1	647.6	589.1	520.4	445.7	375.7	319.8
127.5°	738.5	735.6	721.5	697.2	663.0	617.6	562.9	498.9	433.5	374.0	326.9
130°	714.3	710.2	696.8	674.6	640.9	597.1	544.7	485.3	425.5	373.0	331.2
132.5°	690.0	685.4	673.0	650.8	617.2	575.1	527.4	471.9	419.0	373.0	336.0
135°	650.3	646.3	634.1	611.9	582.3	544.0	500.8	454.4	411.3	373.0	342.7
137.5°	608.0	603.5	592.3	572.1	545.5	513.0	477.2	439.6	404.5	373.8	348.7
140°	578.2	574.9	564.8	547.3	522.4	494.1	463.1	431.5	401.2	374.3	351.4
142.5°	550.8	548.0	538.5	523.7	502.5	477.9	451.3	424.6	398.6	374.9	353.0
145°	513.0	510.3	502.9	491.5	475.3	457.1	436.3	415.3	394.5	374.3	354.8
147.5°	481.0	479.7	475.4	466.2	453.5	439.7	423.7	406.7	390.3	372.6	355.4
150°	463.1	462.5	459.8	451.8	441.6	429.5	416.7	401.9	387.1	370.9	355.4
152.5°	449.2	448.5	445.8	439.4	430.8	421.5	409.7	396.5	383.3	368.8	354.9
155°	430.2	429.5	427.5	422.8	416.0	408.6	399.2	388.5	377.0	364.9	353.4
157.5°	413.2	413.4	411.5	407.6	402.3	396.5	389.3	380.4	371.1	360.8	351.7
160°	401.9	402.6	401.2	397.9	393.1	388.5	381.7	375.0	366.3	358.2	350.1
162.5°	391.7	391.8	391.5	388.7	385.0	380.9	375.2	369.0	361.9	354.9	348.4
165°	377.0	377.0	377.0	375.7	373.0	369.6	365.6	360.8	355.4	350.1	346.0
167.5°	363.5	363.7	364.2	363.0	361.6	359.2	356.1	353.0	349.1	345.3	342.2
170°	355.4	356.1	356.1	355.4	354.1	352.8	350.8	348.7	345.3	342.7	340.6
172.5°	347.9	348.6	349.7	348.4	348.2	347.4	345.9	343.9	341.6	339.4	338.5
175°	338.6	339.3	340.6	340.0	340.0	340.0	338.6	338.6	336.6	336.0	336.0
177.5°	333.9	333.9	335.5	335.0	335.5	335.5	335.5	335.0	334.4	333.9	333.9
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1626.9	1623.2	1618.9	1611.4	1602.2	1597.4	1589.8	1585.0	1575.4	1567.3	1558.8
5°	1709.4	1692.0	1675.9	1655.1	1632.3	1617.5	1600.1	1580.6	1560.5	1539.6	1516.8
7.5°	1795.0	1764.1	1730.5	1694.4	1659.1	1626.6	1595.6	1565.1	1536.7	1502.4	1473.3
10°	1852.4	1813.5	1771.9	1722.9	1675.2	1633.7	1591.3	1554.4	1516.8	1476.5	1441.0
12.5°	1909.9	1858.0	1799.2	1745.4	1688.2	1637.9	1588.1	1541.0	1493.7	1449.1	1407.7
15°	1950.4	1904.8	1850.4	1773.9	1709.4	1640.4	1574.6	1513.5	1456.5	1406.8	1354.4
17.5°	1977.1	1918.3	1859.9	1786.5	1702.1	1624.8	1550.2	1480.3	1416.0	1353.1	1302.6
20°	1981.9	1921.6	1860.4	1788.6	1702.1	1613.5	1539.0	1455.1	1386.0	1320.9	1259.1
22.5°	1980.4	1911.9	1845.5	1771.5	1687.0	1605.4	1515.4	1429.9	1354.8	1290.8	1226.3
25°	1965.1	1892.0	1808.8	1734.3	1651.1	1564.5	1473.3	1384.7	1308.1	1234.9	1171.2
27.5°	1952.6	1857.7	1763.4	1676.5	1596.2	1516.8	1429.4	1338.7	1253.9	1179.7	1119.6
30°	1937.0	1833.0	1726.9	1636.3	1553.8	1476.5	1394.0	1305.4	1216.9	1144.4	1080.0
32.5°	1923.0	1801.8	1689.9	1591.2	1503.8	1428.7	1352.6	1268.3	1181.4	1107.8	1043.4
35°	1896.1	1755.8	1627.5	1516.1	1422.9	1345.7	1281.9	1203.4	1123.5	1052.4	990.7
37.5°	1861.8	1695.4	1557.8	1441.0	1338.7	1257.4	1198.0	1137.7	1061.1	992.6	936.7
40°	1835.0	1652.4	1506.8	1387.3	1281.3	1196.7	1141.7	1084.6	1020.9	957.1	898.0
42.5°	1801.1	1613.8	1455.3	1326.6	1221.7	1139.3	1081.5	1033.0	976.8	917.4	862.5
45°	1739.0	1543.7	1371.8	1233.6	1127.6	1046.4	986.6	950.4	908.1	851.7	805.4
47.5°	1647.6	1459.5	1281.8	1139.1	1029.7	954.4	898.5	863.7	833.9	791.9	749.9
50°	1566.5	1396.7	1216.9	1075.2	965.8	889.9	838.3	806.8	781.3	749.0	713.4
52.5°	1475.8	1317.8	1153.0	1013.0	904.6	829.8	779.2	751.5	730.2	707.1	672.1
55°	1331.6	1197.4	1044.3	911.5	811.4	738.3	694.0	669.9	652.4	634.9	613.5
57.5°	1172.8	1067.8	932.3	810.8	718.7	652.1	610.8	587.3	573.7	564.7	552.1
60°	1061.1	971.2	854.4	743.6	653.8	594.7	554.4	536.2	524.9	517.5	508.1
62.5°	957.5	883.6	775.5	674.4	595.7	539.8	503.9	486.3	475.4	471.8	464.1
65°	804.7	747.7	658.4	574.5	507.4	459.8	429.6	412.8	406.0	402.0	402.7
67.5°	654.3	619.5	547.8	476.2	422.7	382.7	358.5	345.7	342.3	336.9	336.8
70°	562.4	536.2	475.9	413.5	365.8	334.9	313.4	300.0	296.6	293.9	293.3
72.5°	481.4	458.4	406.0	356.0	313.1	286.0	268.4	260.3	254.8	253.1	253.0
75°	361.8	349.0	307.4	267.8	238.2	219.5	207.4	200.0	196.0	195.3	196.0
77.5°	257.2	246.1	219.6	191.6	172.9	158.7	148.4	145.9	141.4	141.5	140.8
80°	193.3	185.9	169.1	147.0	131.6	119.5	114.1	109.4	108.1	106.1	108.1
82.5°	140.2	132.2	120.8	106.7	93.9	86.7	81.4	79.9	79.0	78.1	78.5
85°	69.1	69.8	63.1	52.3	47.0	43.0	39.6	39.6	38.9	38.2	38.9
87.5°	25.4	24.0	21.8	19.9	16.9	15.1	14.2	14.6	13.2	12.9	13.7
90°	8.8	7.4	6.7	5.4	4.0	2.7	1.4	0.7	1.4	2.7	4.0
92.5°	153.6	92.0	55.2	35.6	23.9	15.6	10.0	8.2	10.0	15.6	23.9
95°	300.9	152.8	80.8	50.5	35.6	28.2	22.9	22.2	22.9	28.2	35.6
97.5°	240.2	131.6	84.0	62.2	48.9	41.5	37.7	36.9	37.7	41.5	48.9
100°	218.1	130.6	91.5	71.4	58.5	51.1	48.5	47.1	48.5	51.1	58.5
102.5°	209.0	135.4	100.7	81.0	69.3	61.4	59.2	58.5	59.2	61.4	69.3
105°	205.3	145.4	115.8	96.9	86.2	79.5	76.1	76.1	76.1	79.5	86.2
107.5°	211.5	160.2	131.6	114.6	103.4	97.9	94.6	93.3	94.6	97.9	103.4
110°	217.5	171.0	143.4	125.9	115.8	109.7	107.0	105.7	107.0	109.7	115.8



TEST NUMBER: P333315-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	225.0	181.2	154.7	137.8	127.6	121.6	119.4	118.0	119.4	121.6	127.6
115°	236.3	197.3	172.4	155.5	145.4	139.4	137.3	136.0	137.3	139.4	145.4
117.5°	249.3	213.7	190.1	173.8	162.4	156.4	154.2	152.1	154.2	156.4	162.4
120°	257.9	225.5	202.0	185.1	173.7	167.6	165.0	162.9	165.0	167.6	173.7
122.5°	267.5	236.9	213.3	196.5	183.9	177.9	175.7	174.3	175.7	177.9	183.9
125°	280.7	251.8	229.5	212.1	199.2	193.2	189.9	188.5	189.9	193.2	199.2
127.5°	292.8	266.2	244.8	227.3	213.7	206.0	201.7	199.7	201.7	206.0	213.7
130°	300.9	275.3	254.5	236.9	222.8	214.0	208.7	206.6	208.7	214.0	222.8
132.5°	307.9	284.0	263.1	245.6	230.9	221.1	214.6	212.1	214.6	221.1	230.9
135°	317.8	295.6	274.7	256.5	242.4	231.6	223.5	220.8	223.5	231.6	242.4
137.5°	325.0	303.8	284.7	266.0	252.2	241.4	233.8	231.9	233.8	241.4	252.2
140°	329.8	309.7	290.2	272.0	259.2	248.4	240.3	238.3	240.3	248.4	259.2
142.5°	332.6	313.4	295.0	277.9	265.6	254.9	247.4	245.8	247.4	254.9	265.6
145°	336.6	319.8	302.3	286.8	274.7	265.3	258.5	257.2	258.5	265.3	274.7
147.5°	339.1	323.8	308.5	294.9	284.4	275.6	269.8	269.0	269.8	275.6	284.4
150°	340.6	326.5	311.7	300.2	290.8	282.1	277.3	276.0	277.3	282.1	290.8
152.5°	341.7	329.2	315.5	305.1	296.2	288.5	284.4	283.5	284.4	288.5	296.2
155°	342.7	331.9	320.5	311.0	304.3	297.6	293.5	293.5	293.5	297.6	304.3
157.5°	343.4	334.2	324.3	317.2	311.3	305.5	302.3	302.4	302.3	305.5	311.3
160°	343.4	335.3	326.5	320.5	315.0	310.4	307.6	308.3	307.6	310.4	315.0
162.5°	342.8	336.3	328.6	323.6	319.3	315.2	312.5	313.1	312.5	315.2	319.3
165°	342.0	336.6	331.2	327.2	324.5	321.2	319.1	320.5	319.1	321.2	324.5
167.5°	340.4	336.6	332.2	329.6	327.7	325.8	324.6	325.3	324.6	325.8	327.7
170°	339.3	336.6	333.2	331.2	329.8	328.6	327.9	328.6	327.9	328.6	329.8
172.5°	338.2	336.0	333.2	332.3	331.5	330.1	329.5	330.7	329.5	330.1	331.5
175°	336.6	335.3	333.2	333.2	333.2	332.6	331.9	333.2	331.9	332.6	333.2
177.5°	335.0	334.4	333.4	333.4	333.9	333.4	333.4	334.4	333.4	333.4	333.9
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333315-935

CATALOG NUMBER: S125DIP-S1270D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1553.8	1548.0	1543.2	1532.4	1526.5	1518.5	1512.0	1519.0	1511.5	1514.7	1509.8
5°	1505.5	1486.6	1473.3	1453.7	1437.0	1421.5	1410.1	1408.1	1402.7	1400.1	1392.0
7.5°	1447.2	1423.7	1400.6	1375.1	1353.6	1331.7	1317.8	1306.2	1298.6	1288.5	1281.7
10°	1412.8	1381.3	1354.4	1323.5	1296.7	1273.2	1254.4	1245.0	1236.3	1223.6	1218.8
12.5°	1370.4	1337.7	1305.0	1272.0	1246.2	1220.0	1203.9	1189.7	1183.7	1169.3	1167.9
15°	1319.5	1270.5	1238.3	1204.7	1169.2	1147.7	1134.3	1118.9	1112.2	1102.1	1094.7
17.5°	1258.9	1215.0	1174.8	1140.1	1109.6	1091.5	1074.8	1064.2	1052.7	1046.1	1034.0
20°	1214.8	1173.2	1132.9	1096.1	1072.5	1051.7	1038.3	1028.2	1016.2	1012.8	1000.7
22.5°	1177.8	1131.9	1093.2	1062.2	1036.6	1013.1	998.6	991.7	983.4	973.1	970.6
25°	1117.5	1069.9	1037.0	1006.1	983.3	961.8	951.7	943.0	935.0	927.6	924.9
27.5°	1065.4	1022.9	983.8	955.9	936.0	916.4	907.6	897.0	891.0	885.1	877.9
30°	1028.9	985.2	951.1	924.2	902.8	885.3	875.9	868.5	863.2	857.7	853.8
32.5°	991.4	950.9	917.7	891.5	870.0	856.8	848.5	843.3	837.3	830.9	825.8
35°	941.7	897.3	865.1	842.3	825.5	815.5	806.1	801.3	794.7	794.7	789.3
37.5°	885.7	847.4	819.0	798.1	783.1	774.1	764.0	760.7	756.4	753.5	751.7
40°	852.4	816.8	790.0	769.1	753.0	745.6	737.6	732.3	729.5	726.2	724.9
42.5°	818.0	784.0	758.3	739.1	725.1	718.8	711.3	707.6	702.1	697.8	697.0
45°	765.8	732.9	709.5	694.0	681.9	674.5	669.9	661.8	659.1	653.8	653.1
47.5°	716.3	684.8	661.7	649.0	638.4	632.4	625.0	616.9	613.9	611.1	610.9
50°	679.2	650.4	628.9	616.8	606.7	598.1	590.6	585.2	583.2	583.2	584.6
52.5°	641.6	617.1	598.8	584.0	574.5	565.2	558.4	555.2	552.1	555.3	557.8
55°	586.6	561.8	548.4	534.3	524.9	514.1	510.7	509.5	507.4	512.8	515.5
57.5°	528.3	510.9	495.2	481.2	472.8	466.6	462.0	461.2	465.0	467.5	476.2
60°	491.3	471.1	457.1	446.3	436.3	432.2	430.9	429.6	432.2	439.6	451.0
62.5°	450.5	434.1	419.0	410.9	403.5	396.8	396.5	397.4	402.7	411.1	422.6
65°	390.6	376.5	366.4	357.1	351.0	347.0	348.4	351.0	357.1	368.5	381.3
67.5°	329.8	320.1	311.2	303.5	297.7	297.7	299.1	303.1	310.2	323.4	335.0
70°	290.6	279.9	272.5	269.1	264.4	261.7	265.8	272.5	278.5	290.6	300.7
72.5°	251.4	242.3	236.5	234.3	232.2	230.1	231.4	238.7	246.8	258.9	270.6
75°	193.3	189.9	185.9	183.2	181.2	182.5	183.9	190.6	197.3	210.1	223.5
77.5°	141.1	137.6	135.2	134.5	133.5	134.1	137.8	142.8	149.4	158.7	168.8
80°	106.7	105.4	104.0	103.3	103.3	104.0	109.4	112.8	118.8	127.5	135.6
82.5°	77.7	76.9	76.6	76.5	77.1	77.1	80.4	84.8	89.8	96.3	103.3
85°	41.0	39.6	41.6	42.3	41.0	43.0	44.3	47.0	49.0	52.3	55.7
87.5°	14.5	15.8	15.4	16.3	16.4	17.7	17.3	19.6	20.8	22.0	21.8
90°	5.4	6.7	7.4	8.8	9.4	10.8	11.5	12.1	12.8	13.4	14.8
92.5°	35.6	55.2	92.0	153.6	220.5	217.1	175.7	119.3	86.6	65.2	55.2
95°	50.5	80.8	152.8	300.9	486.7	596.5	583.7	484.1	381.7	298.9	242.4
97.5°	62.2	84.0	131.6	240.2	434.6	637.0	738.5	720.9	649.1	568.4	489.8
100°	71.4	91.5	130.6	218.1	387.8	608.0	776.2	828.0	795.0	725.7	655.7
102.5°	81.0	100.7	135.4	209.0	352.2	556.7	753.6	864.1	884.5	851.2	803.8
105°	96.9	115.8	145.4	205.3	317.8	488.1	681.3	842.8	935.1	964.8	957.3
107.5°	114.6	131.6	160.2	211.5	303.2	440.8	607.5	766.9	890.0	966.0	1001.2
110°	125.9	143.4	171.0	217.5	298.9	418.7	565.5	710.9	838.8	933.8	990.9



TEST NUMBER: P333315-935

CATALOG NUMBER: S125DIP-S1270D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	137.8	154.7	181.2	225.0	298.9	405.8	534.3	666.8	788.2	884.2	951.7
115°	155.5	172.4	197.3	236.3	300.9	391.8	500.2	611.3	715.7	807.9	881.2
117.5°	173.8	190.1	213.7	249.3	305.4	385.0	479.8	575.5	665.4	744.9	812.2
120°	185.1	202.0	225.5	257.9	309.7	381.7	468.6	556.0	636.9	710.9	770.2
122.5°	196.5	213.3	236.9	267.5	313.4	379.0	458.8	541.6	616.4	682.3	737.9
125°	212.1	229.5	251.8	280.7	319.8	375.7	445.7	520.4	589.1	647.6	696.1
127.5°	227.3	244.8	266.2	292.8	326.9	374.0	433.5	498.9	562.9	617.6	663.0
130°	236.9	254.5	275.3	300.9	331.2	373.0	425.5	485.3	544.7	597.1	640.9
132.5°	245.6	263.1	284.0	307.9	336.0	373.0	419.0	471.9	527.4	575.1	617.2
135°	256.5	274.7	295.6	317.8	342.7	373.0	411.3	454.4	500.8	544.0	582.3
137.5°	266.0	284.7	303.8	325.0	348.7	373.8	404.5	439.6	477.2	513.0	545.5
140°	272.0	290.2	309.7	329.8	351.4	374.3	401.2	431.5	463.1	494.1	522.4
142.5°	277.9	295.0	313.4	332.6	353.0	374.9	398.6	424.6	451.3	477.9	502.5
145°	286.8	302.3	319.8	336.6	354.8	374.3	394.5	415.3	436.3	457.1	475.3
147.5°	294.9	308.5	323.8	339.1	355.4	372.6	390.3	406.7	423.7	439.7	453.5
150°	300.2	311.7	326.5	340.6	355.4	370.9	387.1	401.9	416.7	429.5	441.6
152.5°	305.1	315.5	329.2	341.7	354.9	368.8	383.3	396.5	409.7	421.5	430.8
155°	311.0	320.5	331.9	342.7	353.4	364.9	377.0	388.5	399.2	408.6	416.0
157.5°	317.2	324.3	334.2	343.4	351.7	360.8	371.1	380.4	389.3	396.5	402.3
160°	320.5	326.5	335.3	343.4	350.1	358.2	366.3	375.0	381.7	388.5	393.1
162.5°	323.6	328.6	336.3	342.8	348.4	354.9	361.9	369.0	375.2	380.9	385.0
165°	327.2	331.2	336.6	342.0	346.0	350.1	355.4	360.8	365.6	369.6	373.0
167.5°	329.6	332.2	336.6	340.4	342.2	345.3	349.1	353.0	356.1	359.2	361.6
170°	331.2	333.2	336.6	339.3	340.6	342.7	345.3	348.7	350.8	352.8	354.1
172.5°	332.3	333.2	336.0	338.2	338.5	339.4	341.6	343.9	345.9	347.4	348.2
175°	333.2	333.2	335.3	336.6	336.0	336.0	336.6	338.6	338.6	340.0	340.0
177.5°	333.4	333.4	334.4	335.0	333.9	333.9	334.4	335.0	335.5	335.5	335.5
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333315-935

CATALOG NUMBER: S125DIP-S1270D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1506.7	1510.4	1507.2	1511.5	1507.2	1510.4	1506.7	1509.8	1514.7	1511.5	1519.0
5°	1388.6	1382.6	1386.6	1384.0	1386.6	1382.6	1388.6	1392.0	1400.1	1402.7	1408.1
7.5°	1279.6	1273.8	1267.3	1264.2	1267.3	1273.8	1279.6	1281.7	1288.5	1298.6	1306.2
10°	1211.4	1204.1	1203.4	1198.7	1203.4	1204.1	1211.4	1218.8	1223.6	1236.3	1245.0
12.5°	1161.5	1154.7	1147.0	1145.0	1147.0	1154.7	1161.5	1167.9	1169.3	1183.7	1189.7
15°	1090.6	1085.3	1080.6	1084.6	1080.6	1085.3	1090.6	1094.7	1102.1	1112.2	1118.9
17.5°	1031.7	1027.3	1026.5	1021.5	1026.5	1027.3	1031.7	1034.0	1046.1	1052.7	1064.2
20°	994.7	991.4	992.6	984.0	992.6	991.4	994.7	1000.7	1012.8	1016.2	1028.2
22.5°	965.2	958.6	957.8	956.1	957.8	958.6	965.2	970.6	973.1	983.4	991.7
25°	918.9	915.5	912.1	915.5	912.1	915.5	918.9	924.9	927.6	935.0	943.0
27.5°	878.4	874.4	873.5	873.8	873.5	874.4	878.4	877.9	885.1	891.0	897.0
30°	853.8	847.1	847.7	847.1	847.7	847.1	853.8	853.8	857.7	863.2	868.5
32.5°	826.9	822.3	821.4	820.2	821.4	822.3	826.9	825.8	830.9	837.3	843.3
35°	787.3	787.3	783.9	783.9	783.9	787.3	787.3	789.3	794.7	794.7	801.3
37.5°	750.1	749.4	747.4	747.7	747.4	749.4	750.1	751.7	753.5	756.4	760.7
40°	722.2	721.5	719.5	715.5	719.5	721.5	722.2	724.9	726.2	729.5	732.3
42.5°	695.3	693.0	692.1	690.8	692.1	693.0	695.3	697.0	697.8	702.1	707.6
45°	653.1	653.1	651.7	651.0	651.7	653.1	653.1	653.1	653.8	659.1	661.8
47.5°	612.0	613.2	615.7	615.4	615.7	613.2	612.0	610.9	611.1	613.9	616.9
50°	587.3	588.0	590.0	590.6	590.0	588.0	587.3	584.6	583.2	583.2	585.2
52.5°	559.9	563.8	566.4	565.9	566.4	563.8	559.9	557.8	555.3	552.1	555.2
55°	521.5	526.2	530.9	531.6	530.9	526.2	521.5	515.5	512.8	507.4	509.5
57.5°	483.5	490.1	495.1	496.6	495.1	490.1	483.5	476.2	467.5	465.0	461.2
60°	457.7	466.5	472.5	475.2	472.5	466.5	457.7	451.0	439.6	432.2	429.6
62.5°	433.0	442.8	448.8	449.4	448.8	442.8	433.0	422.6	411.1	402.7	397.4
65°	392.6	402.7	408.0	412.1	408.0	402.7	392.6	381.3	368.5	357.1	351.0
67.5°	349.1	359.2	365.2	368.3	365.2	359.2	349.1	335.0	323.4	310.2	303.1
70°	317.5	327.5	335.6	338.3	335.6	327.5	317.5	300.7	290.6	278.5	272.5
72.5°	286.3	295.3	301.8	305.0	301.8	295.3	286.3	270.6	258.9	246.8	238.7
75°	232.2	244.3	250.4	253.7	250.4	244.3	232.2	223.5	210.1	197.3	190.6
77.5°	179.1	190.1	193.7	195.4	193.7	190.1	179.1	168.8	158.7	149.4	142.8
80°	143.6	150.3	155.1	155.7	155.1	150.3	143.6	135.6	127.5	118.8	112.8
82.5°	110.4	116.0	117.4	119.2	117.4	116.0	110.4	103.3	96.3	89.8	84.8
85°	60.4	63.1	63.8	63.1	63.8	63.1	60.4	55.7	52.3	49.0	47.0
87.5°	22.8	22.3	22.4	23.5	22.4	22.3	22.8	21.8	22.0	20.8	19.6
90°	14.8	14.8	15.5	15.5	15.5	14.8	14.8	14.8	13.4	12.8	12.1
92.5°	46.6	44.9	44.0	43.0	44.0	44.9	46.6	55.2	65.2	86.6	119.3
95°	194.6	174.4	169.0	158.2	169.0	174.4	194.6	242.4	298.9	381.7	484.1
97.5°	448.2	410.5	391.0	382.4	391.0	410.5	448.2	489.8	568.4	649.1	720.9
100°	609.2	560.8	535.9	525.1	535.9	560.8	609.2	655.7	725.7	795.0	828.0
102.5°	754.1	719.6	692.6	684.5	692.6	719.6	754.1	803.8	851.2	884.5	864.1
105°	935.7	913.5	900.1	892.0	900.1	913.5	935.7	957.3	964.8	935.1	842.8
107.5°	1012.1	1011.9	1007.5	1002.1	1007.5	1011.9	1012.1	1001.2	966.0	890.0	766.9
110°	1021.2	1034.1	1038.8	1038.8	1038.8	1034.1	1021.2	990.9	933.8	838.8	710.9



TEST NUMBER: P333315-935

CATALOG NUMBER: S125DIP-S1270D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	995.9	1017.9	1029.6	1034.5	1029.6	1017.9	995.9	951.7	884.2	788.2	666.8
115°	933.8	966.0	984.9	993.7	984.9	966.0	933.8	881.2	807.9	715.7	611.3
117.5°	864.7	898.0	916.8	922.1	916.8	898.0	864.7	812.2	744.9	665.4	575.5
120°	819.9	852.3	870.5	875.8	870.5	852.3	819.9	770.2	710.9	636.9	556.0
122.5°	782.3	811.9	830.1	834.9	830.1	811.9	782.3	737.9	682.3	616.4	541.6
125°	733.8	761.4	776.2	782.9	776.2	761.4	733.8	696.1	647.6	589.1	520.4
127.5°	697.2	721.5	735.6	738.5	735.6	721.5	697.2	663.0	617.6	562.9	498.9
130°	674.6	696.8	710.2	714.3	710.2	696.8	674.6	640.9	597.1	544.7	485.3
132.5°	650.8	673.0	685.4	690.0	685.4	673.0	650.8	617.2	575.1	527.4	471.9
135°	611.9	634.1	646.3	650.3	646.3	634.1	611.9	582.3	544.0	500.8	454.4
137.5°	572.1	592.3	603.5	608.0	603.5	592.3	572.1	545.5	513.0	477.2	439.6
140°	547.3	564.8	574.9	578.2	574.9	564.8	547.3	522.4	494.1	463.1	431.5
142.5°	523.7	538.5	548.0	550.8	548.0	538.5	523.7	502.5	477.9	451.3	424.6
145°	491.5	502.9	510.3	513.0	510.3	502.9	491.5	475.3	457.1	436.3	415.3
147.5°	466.2	475.4	479.7	481.0	479.7	475.4	466.2	453.5	439.7	423.7	406.7
150°	451.8	459.8	462.5	463.1	462.5	459.8	451.8	441.6	429.5	416.7	401.9
152.5°	439.4	445.8	448.5	449.2	448.5	445.8	439.4	430.8	421.5	409.7	396.5
155°	422.8	427.5	429.5	430.2	429.5	427.5	422.8	416.0	408.6	399.2	388.5
157.5°	407.6	411.5	413.4	413.2	413.4	411.5	407.6	402.3	396.5	389.3	380.4
160°	397.9	401.2	402.6	401.9	402.6	401.2	397.9	393.1	388.5	381.7	375.0
162.5°	388.7	391.5	391.8	391.7	391.8	391.5	388.7	385.0	380.9	375.2	369.0
165°	375.7	377.0	377.0	377.0	377.0	377.0	375.7	373.0	369.6	365.6	360.8
167.5°	363.0	364.2	363.7	363.5	363.7	364.2	363.0	361.6	359.2	356.1	353.0
170°	355.4	356.1	356.1	355.4	356.1	356.1	355.4	354.1	352.8	350.8	348.7
172.5°	348.4	349.7	348.6	347.9	348.6	349.7	348.4	348.2	347.4	345.9	343.9
175°	340.0	340.6	339.3	338.6	339.3	340.6	340.0	340.0	340.0	338.6	338.6
177.5°	335.0	335.5	333.9	333.9	333.9	335.5	335.0	335.5	335.5	335.5	335.0
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333315-935

CATALOG NUMBER: S125DIP-S1270D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1512.0	1518.5	1526.5	1532.4	1543.2	1548.0	1553.8	1558.8	1567.3	1575.4	1585.0
5°	1410.1	1421.5	1437.0	1453.7	1473.3	1486.6	1505.5	1516.8	1539.6	1560.5	1580.6
7.5°	1317.8	1331.7	1353.6	1375.1	1400.6	1423.7	1447.2	1473.3	1502.4	1536.7	1565.1
10°	1254.4	1273.2	1296.7	1323.5	1354.4	1381.3	1412.8	1441.0	1476.5	1516.8	1554.4
12.5°	1203.9	1220.0	1246.2	1272.0	1305.0	1337.7	1370.4	1407.7	1449.1	1493.7	1541.0
15°	1134.3	1147.7	1169.2	1204.7	1238.3	1270.5	1319.5	1354.4	1406.8	1456.5	1513.5
17.5°	1074.8	1091.5	1109.6	1140.1	1174.8	1215.0	1258.9	1302.6	1353.1	1416.0	1480.3
20°	1038.3	1051.7	1072.5	1096.1	1132.9	1173.2	1214.8	1259.1	1320.9	1386.0	1455.1
22.5°	998.6	1013.1	1036.6	1062.2	1093.2	1131.9	1177.8	1226.3	1290.8	1354.8	1429.9
25°	951.7	961.8	983.3	1006.1	1037.0	1069.9	1117.5	1171.2	1234.9	1308.1	1384.7
27.5°	907.6	916.4	936.0	955.9	983.8	1022.9	1065.4	1119.6	1179.7	1253.9	1338.7
30°	875.9	885.3	902.8	924.2	951.1	985.2	1028.9	1080.0	1144.4	1216.9	1305.4
32.5°	848.5	856.8	870.0	891.5	917.7	950.9	991.4	1043.4	1107.8	1181.4	1268.3
35°	806.1	815.5	825.5	842.3	865.1	897.3	941.7	990.7	1052.4	1123.5	1203.4
37.5°	764.0	774.1	783.1	798.1	819.0	847.4	885.7	936.7	992.6	1061.1	1137.7
40°	737.6	745.6	753.0	769.1	790.0	816.8	852.4	898.0	957.1	1020.9	1084.6
42.5°	711.3	718.8	725.1	739.1	758.3	784.0	818.0	862.5	917.4	976.8	1033.0
45°	669.9	674.5	681.9	694.0	709.5	732.9	765.8	805.4	851.7	908.1	950.4
47.5°	625.0	632.4	638.4	649.0	661.7	684.8	716.3	749.9	791.9	833.9	863.7
50°	590.6	598.1	606.7	616.8	628.9	650.4	679.2	713.4	749.0	781.3	806.8
52.5°	558.4	565.2	574.5	584.0	598.8	617.1	641.6	672.1	707.1	730.2	751.5
55°	510.7	514.1	524.9	534.3	548.4	561.8	586.6	613.5	634.9	652.4	669.9
57.5°	462.0	466.6	472.8	481.2	495.2	510.9	528.3	552.1	564.7	573.7	587.3
60°	430.9	432.2	436.3	446.3	457.1	471.1	491.3	508.1	517.5	524.9	536.2
62.5°	396.5	396.8	403.5	410.9	419.0	434.1	450.5	464.1	471.8	475.4	486.3
65°	348.4	347.0	351.0	357.1	366.4	376.5	390.6	402.7	402.0	406.0	412.8
67.5°	299.1	297.7	297.7	303.5	311.2	320.1	329.8	336.8	336.9	342.3	345.7
70°	265.8	261.7	264.4	269.1	272.5	279.9	290.6	293.3	293.9	296.6	300.0
72.5°	231.4	230.1	232.2	234.3	236.5	242.3	251.4	253.0	253.1	254.8	260.3
75°	183.9	182.5	181.2	183.2	185.9	189.9	193.3	196.0	195.3	196.0	200.0
77.5°	137.8	134.1	133.5	134.5	135.2	137.6	141.1	140.8	141.5	141.4	145.9
80°	109.4	104.0	103.3	103.3	104.0	105.4	106.7	108.1	106.1	108.1	109.4
82.5°	80.4	77.1	77.1	76.5	76.6	76.9	77.7	78.5	78.1	79.0	79.9
85°	44.3	43.0	41.0	42.3	41.6	39.6	41.0	38.9	38.2	38.9	39.6
87.5°	17.3	17.7	16.4	16.3	15.4	15.8	14.5	13.7	12.9	13.2	14.6
90°	11.5	10.8	9.4	8.8	7.4	6.7	5.4	4.0	2.7	1.4	0.7
92.5°	175.7	217.1	220.5	153.6	92.0	55.2	35.6	23.9	15.6	10.0	8.2
95°	583.7	596.5	486.7	300.9	152.8	80.8	50.5	35.6	28.2	22.9	22.2
97.5°	738.5	637.0	434.6	240.2	131.6	84.0	62.2	48.9	41.5	37.7	36.9
100°	776.2	608.0	387.8	218.1	130.6	91.5	71.4	58.5	51.1	48.5	47.1
102.5°	753.6	556.7	352.2	209.0	135.4	100.7	81.0	69.3	61.4	59.2	58.5
105°	681.3	488.1	317.8	205.3	145.4	115.8	96.9	86.2	79.5	76.1	76.1
107.5°	607.5	440.8	303.2	211.5	160.2	131.6	114.6	103.4	97.9	94.6	93.3
110°	565.5	418.7	298.9	217.5	171.0	143.4	125.9	115.8	109.7	107.0	105.7



TEST NUMBER: P333315-935

CATALOG NUMBER: S125DIP-S1270D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	534.3	405.8	298.9	225.0	181.2	154.7	137.8	127.6	121.6	119.4	118.0
115°	500.2	391.8	300.9	236.3	197.3	172.4	155.5	145.4	139.4	137.3	136.0
117.5°	479.8	385.0	305.4	249.3	213.7	190.1	173.8	162.4	156.4	154.2	152.1
120°	468.6	381.7	309.7	257.9	225.5	202.0	185.1	173.7	167.6	165.0	162.9
122.5°	458.8	379.0	313.4	267.5	236.9	213.3	196.5	183.9	177.9	175.7	174.3
125°	445.7	375.7	319.8	280.7	251.8	229.5	212.1	199.2	193.2	189.9	188.5
127.5°	433.5	374.0	326.9	292.8	266.2	244.8	227.3	213.7	206.0	201.7	199.7
130°	425.5	373.0	331.2	300.9	275.3	254.5	236.9	222.8	214.0	208.7	206.6
132.5°	419.0	373.0	336.0	307.9	284.0	263.1	245.6	230.9	221.1	214.6	212.1
135°	411.3	373.0	342.7	317.8	295.6	274.7	256.5	242.4	231.6	223.5	220.8
137.5°	404.5	373.8	348.7	325.0	303.8	284.7	266.0	252.2	241.4	233.8	231.9
140°	401.2	374.3	351.4	329.8	309.7	290.2	272.0	259.2	248.4	240.3	238.3
142.5°	398.6	374.9	353.0	332.6	313.4	295.0	277.9	265.6	254.9	247.4	245.8
145°	394.5	374.3	354.8	336.6	319.8	302.3	286.8	274.7	265.3	258.5	257.2
147.5°	390.3	372.6	355.4	339.1	323.8	308.5	294.9	284.4	275.6	269.8	269.0
150°	387.1	370.9	355.4	340.6	326.5	311.7	300.2	290.8	282.1	277.3	276.0
152.5°	383.3	368.8	354.9	341.7	329.2	315.5	305.1	296.2	288.5	284.4	283.5
155°	377.0	364.9	353.4	342.7	331.9	320.5	311.0	304.3	297.6	293.5	293.5
157.5°	371.1	360.8	351.7	343.4	334.2	324.3	317.2	311.3	305.5	302.3	302.4
160°	366.3	358.2	350.1	343.4	335.3	326.5	320.5	315.0	310.4	307.6	308.3
162.5°	361.9	354.9	348.4	342.8	336.3	328.6	323.6	319.3	315.2	312.5	313.1
165°	355.4	350.1	346.0	342.0	336.6	331.2	327.2	324.5	321.2	319.1	320.5
167.5°	349.1	345.3	342.2	340.4	336.6	332.2	329.6	327.7	325.8	324.6	325.3
170°	345.3	342.7	340.6	339.3	336.6	333.2	331.2	329.8	328.6	327.9	328.6
172.5°	341.6	339.4	338.5	338.2	336.0	333.2	332.3	331.5	330.1	329.5	330.7
175°	336.6	336.0	336.0	336.6	335.3	333.2	333.2	333.2	332.6	331.9	333.2
177.5°	334.4	333.9	333.9	335.0	334.4	333.4	333.4	333.9	333.4	333.4	334.4
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



TEST NUMBER: P333315-935

CATALOG NUMBER: S125DIP-S1270D810U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1589.8	1597.4	1602.2	1611.4	1618.9	1623.2	1626.9	1630.1	1633.9	1637.1	1646.2
5°	1600.1	1617.5	1632.3	1655.1	1675.9	1692.0	1709.4	1724.9	1737.7	1755.8	1769.9
7.5°	1595.6	1626.6	1659.1	1694.4	1730.5	1764.1	1795.0	1823.9	1850.0	1881.7	1909.4
10°	1591.3	1633.7	1675.2	1722.9	1771.9	1813.5	1852.4	1892.0	1920.9	1961.2	1995.4
12.5°	1588.1	1637.9	1688.2	1745.4	1799.2	1858.0	1909.9	1938.7	1982.6	2014.8	2055.6
15°	1574.6	1640.4	1709.4	1773.9	1850.4	1904.8	1950.4	2006.8	2047.7	2088.7	2133.0
17.5°	1550.2	1624.8	1702.1	1786.5	1859.9	1918.3	1977.1	2031.5	2080.3	2135.3	2190.4
20°	1539.0	1613.5	1702.1	1788.6	1860.4	1921.6	1981.9	2041.7	2095.4	2165.8	2229.6
22.5°	1515.4	1605.4	1687.0	1771.5	1845.5	1911.9	1980.4	2048.1	2119.5	2199.2	2279.0
25°	1473.3	1564.5	1651.1	1734.3	1808.8	1892.0	1965.1	2055.8	2147.1	2252.5	2351.7
27.5°	1429.4	1516.8	1596.2	1676.5	1763.4	1857.7	1952.6	2055.4	2174.9	2307.9	2448.0
30°	1394.0	1476.5	1553.8	1636.3	1726.9	1833.0	1937.0	2059.2	2197.4	2347.1	2513.5
32.5°	1352.6	1428.7	1503.8	1591.2	1689.9	1801.8	1923.0	2057.0	2223.2	2393.2	2564.6
35°	1281.9	1345.7	1422.9	1516.1	1627.5	1755.8	1896.1	2054.4	2245.1	2440.3	2584.6
37.5°	1198.0	1257.4	1338.7	1441.0	1557.8	1695.4	1861.8	2049.8	2252.2	2407.9	2454.5
40°	1141.7	1196.7	1281.3	1387.3	1506.8	1652.4	1835.0	2033.7	2229.6	2328.9	2290.7
42.5°	1081.5	1139.3	1221.7	1326.6	1455.3	1613.8	1801.1	1999.8	2164.1	2201.7	2069.5
45°	986.6	1046.4	1127.6	1233.6	1371.8	1543.7	1739.0	1919.5	2014.1	1946.4	1741.7
47.5°	898.5	954.4	1029.7	1139.1	1281.8	1459.5	1647.6	1791.7	1799.1	1637.4	1418.8
50°	838.3	889.9	965.8	1075.2	1216.9	1396.7	1566.5	1679.9	1628.9	1445.7	1235.6
52.5°	779.2	829.8	904.6	1013.0	1153.0	1317.8	1475.8	1555.4	1459.2	1271.2	1091.7
55°	694.0	738.3	811.4	911.5	1044.3	1197.4	1331.6	1359.1	1234.2	1049.0	903.4
57.5°	610.8	652.1	718.7	810.8	932.3	1067.8	1172.8	1166.9	1034.9	876.0	760.4
60°	554.4	594.7	653.8	743.6	854.4	971.2	1061.1	1039.7	908.8	771.9	674.5
62.5°	503.9	539.8	595.7	674.4	775.5	883.6	957.5	925.8	797.6	677.9	601.0
65°	429.6	459.8	507.4	574.5	658.4	747.7	804.7	763.8	654.4	561.1	499.4
67.5°	358.5	382.7	422.7	476.2	547.8	619.5	654.3	613.0	525.6	457.4	411.7
70°	313.4	334.9	365.8	413.5	475.9	536.2	562.4	525.6	450.4	391.9	359.0
72.5°	268.4	286.0	313.1	356.0	406.0	458.4	481.4	446.1	384.4	335.0	304.3
75°	207.4	219.5	238.2	267.8	307.4	349.0	361.8	330.9	291.3	254.3	234.3
77.5°	148.4	158.7	172.9	191.6	219.6	246.1	257.2	239.4	208.7	185.4	168.8
80°	114.1	119.5	131.6	147.0	169.1	185.9	193.3	181.9	160.4	142.9	130.2
82.5°	81.4	86.7	93.9	106.7	120.8	132.2	140.2	132.5	116.9	103.2	95.8
85°	39.6	43.0	47.0	52.3	63.1	69.8	69.1	64.4	58.4	53.0	49.0
87.5°	14.2	15.1	16.9	19.9	21.8	24.0	25.4	24.5	22.6	21.1	19.6
90°	1.4	2.7	4.0	5.4	6.7	7.4	8.8	9.4	10.8	11.5	12.1
92.5°	10.0	15.6	23.9	35.6	55.2	92.0	153.6	220.5	217.1	175.7	119.3
95°	22.9	28.2	35.6	50.5	80.8	152.8	300.9	486.7	596.5	583.7	484.1
97.5°	37.7	41.5	48.9	62.2	84.0	131.6	240.2	434.6	637.0	738.5	720.9
100°	48.5	51.1	58.5	71.4	91.5	130.6	218.1	387.8	608.0	776.2	828.0
102.5°	59.2	61.4	69.3	81.0	100.7	135.4	209.0	352.2	556.7	753.6	864.1
105°	76.1	79.5	86.2	96.9	115.8	145.4	205.3	317.8	488.1	681.3	842.8
107.5°	94.6	97.9	103.4	114.6	131.6	160.2	211.5	303.2	440.8	607.5	766.9
110°	107.0	109.7	115.8	125.9	143.4	171.0	217.5	298.9	418.7	565.5	710.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	119.4	121.6	127.6	137.8	154.7	181.2	225.0	298.9	405.8	534.3	666.8
115°	137.3	139.4	145.4	155.5	172.4	197.3	236.3	300.9	391.8	500.2	611.3
117.5°	154.2	156.4	162.4	173.8	190.1	213.7	249.3	305.4	385.0	479.8	575.5
120°	165.0	167.6	173.7	185.1	202.0	225.5	257.9	309.7	381.7	468.6	556.0
122.5°	175.7	177.9	183.9	196.5	213.3	236.9	267.5	313.4	379.0	458.8	541.6
125°	189.9	193.2	199.2	212.1	229.5	251.8	280.7	319.8	375.7	445.7	520.4
127.5°	201.7	206.0	213.7	227.3	244.8	266.2	292.8	326.9	374.0	433.5	498.9
130°	208.7	214.0	222.8	236.9	254.5	275.3	300.9	331.2	373.0	425.5	485.3
132.5°	214.6	221.1	230.9	245.6	263.1	284.0	307.9	336.0	373.0	419.0	471.9
135°	223.5	231.6	242.4	256.5	274.7	295.6	317.8	342.7	373.0	411.3	454.4
137.5°	233.8	241.4	252.2	266.0	284.7	303.8	325.0	348.7	373.8	404.5	439.6
140°	240.3	248.4	259.2	272.0	290.2	309.7	329.8	351.4	374.3	401.2	431.5
142.5°	247.4	254.9	265.6	277.9	295.0	313.4	332.6	353.0	374.9	398.6	424.6
145°	258.5	265.3	274.7	286.8	302.3	319.8	336.6	354.8	374.3	394.5	415.3
147.5°	269.8	275.6	284.4	294.9	308.5	323.8	339.1	355.4	372.6	390.3	406.7
150°	277.3	282.1	290.8	300.2	311.7	326.5	340.6	355.4	370.9	387.1	401.9
152.5°	284.4	288.5	296.2	305.1	315.5	329.2	341.7	354.9	368.8	383.3	396.5
155°	293.5	297.6	304.3	311.0	320.5	331.9	342.7	353.4	364.9	377.0	388.5
157.5°	302.3	305.5	311.3	317.2	324.3	334.2	343.4	351.7	360.8	371.1	380.4
160°	307.6	310.4	315.0	320.5	326.5	335.3	343.4	350.1	358.2	366.3	375.0
162.5°	312.5	315.2	319.3	323.6	328.6	336.3	342.8	348.4	354.9	361.9	369.0
165°	319.1	321.2	324.5	327.2	331.2	336.6	342.0	346.0	350.1	355.4	360.8
167.5°	324.6	325.8	327.7	329.6	332.2	336.6	340.4	342.2	345.3	349.1	353.0
170°	327.9	328.6	329.8	331.2	333.2	336.6	339.3	340.6	342.7	345.3	348.7
172.5°	329.5	330.1	331.5	332.3	333.2	336.0	338.2	338.5	339.4	341.6	343.9
175°	331.9	332.6	333.2	333.2	333.2	335.3	336.6	336.0	336.0	336.6	338.6
177.5°	333.4	333.4	333.9	333.4	333.4	334.4	335.0	333.9	333.9	334.4	335.0
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1653.7	1658.0	1667.2	1664.0	1668.3	1670.4	1672.6
5°	1787.3	1808.8	1818.2	1816.9	1830.9	1827.6	1824.2
7.5°	1938.2	1960.8	1973.4	1989.1	1998.2	1998.9	2006.8
10°	2023.6	2053.1	2065.2	2082.0	2092.7	2098.8	2098.1
12.5°	2089.0	2112.2	2139.2	2147.5	2162.0	2169.6	2166.8
15°	2167.9	2204.8	2233.0	2247.0	2265.2	2270.5	2277.9
17.5°	2238.3	2287.8	2320.7	2364.4	2380.9	2391.0	2385.1
20°	2291.4	2356.5	2389.4	2441.7	2470.6	2486.1	2480.6
22.5°	2354.2	2424.7	2485.4	2530.8	2574.7	2595.6	2599.9
25°	2461.9	2558.5	2647.7	2707.5	2761.8	2774.6	2802.8
27.5°	2582.1	2696.0	2791.5	2854.4	2892.2	2906.4	2915.3
30°	2657.8	2771.2	2843.1	2883.3	2895.5	2894.1	2892.7
32.5°	2694.8	2765.9	2779.7	2768.5	2740.8	2717.4	2693.0
35°	2642.4	2589.4	2510.2	2408.1	2333.0	2257.1	2249.8
37.5°	2376.4	2206.9	2075.1	1927.9	1842.9	1790.4	1754.2
40°	2126.2	1933.6	1773.9	1649.8	1563.1	1529.0	1495.4
42.5°	1854.6	1670.5	1529.0	1425.3	1360.2	1322.2	1295.6
45°	1506.8	1344.4	1233.6	1158.5	1106.7	1077.2	1060.4
47.5°	1234.7	1114.6	1020.5	966.2	930.5	907.6	907.7
50°	1088.6	973.9	911.5	868.5	837.6	819.5	822.9
52.5°	959.2	873.5	820.2	784.2	761.4	750.2	749.8
55°	802.0	740.3	705.4	679.2	663.7	651.0	653.8
57.5°	686.0	634.0	610.6	588.9	578.2	573.1	565.7
60°	614.2	573.9	553.7	536.2	525.6	521.5	514.1
62.5°	550.3	518.6	498.9	484.7	475.0	473.7	468.0
65°	462.4	438.2	420.9	414.1	404.1	401.4	401.4
67.5°	381.3	363.9	350.3	344.1	339.8	340.4	337.2
70°	330.2	316.2	307.4	300.7	297.3	298.0	295.3
72.5°	288.9	273.2	265.5	261.5	257.1	258.8	257.7
75°	218.8	210.8	206.7	202.7	200.0	198.6	197.3
77.5°	160.7	153.6	150.5	148.2	148.6	145.3	147.9
80°	124.2	118.1	116.1	112.8	112.1	112.1	111.4
82.5°	90.8	87.5	86.0	83.3	82.1	83.1	81.4
85°	47.0	44.3	43.7	43.7	42.3	41.0	44.3
87.5°	19.7	17.7	18.0	17.5	17.5	17.0	16.0
90°	12.8	13.4	14.8	14.8	14.8	15.5	15.5
92.5°	86.6	65.2	55.2	46.6	44.9	44.0	43.0
95°	381.7	298.9	242.4	194.6	174.4	169.0	158.2
97.5°	649.1	568.4	489.8	448.2	410.5	391.0	382.4
100°	795.0	725.7	655.7	609.2	560.8	535.9	525.1
102.5°	884.5	851.2	803.8	754.1	719.6	692.6	684.5
105°	935.1	964.8	957.3	935.7	913.5	900.1	892.0
107.5°	890.0	966.0	1001.2	1012.1	1011.9	1007.5	1002.1
110°	838.8	933.8	990.9	1021.2	1034.1	1038.8	1038.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	788.2	884.2	951.7	995.9	1017.9	1029.6	1034.5
115°	715.7	807.9	881.2	933.8	966.0	984.9	993.7
117.5°	665.4	744.9	812.2	864.7	898.0	916.8	922.1
120°	636.9	710.9	770.2	819.9	852.3	870.5	875.8
122.5°	616.4	682.3	737.9	782.3	811.9	830.1	834.9
125°	589.1	647.6	696.1	733.8	761.4	776.2	782.9
127.5°	562.9	617.6	663.0	697.2	721.5	735.6	738.5
130°	544.7	597.1	640.9	674.6	696.8	710.2	714.3
132.5°	527.4	575.1	617.2	650.8	673.0	685.4	690.0
135°	500.8	544.0	582.3	611.9	634.1	646.3	650.3
137.5°	477.2	513.0	545.5	572.1	592.3	603.5	608.0
140°	463.1	494.1	522.4	547.3	564.8	574.9	578.2
142.5°	451.3	477.9	502.5	523.7	538.5	548.0	550.8
145°	436.3	457.1	475.3	491.5	502.9	510.3	513.0
147.5°	423.7	439.7	453.5	466.2	475.4	479.7	481.0
150°	416.7	429.5	441.6	451.8	459.8	462.5	463.1
152.5°	409.7	421.5	430.8	439.4	445.8	448.5	449.2
155°	399.2	408.6	416.0	422.8	427.5	429.5	430.2
157.5°	389.3	396.5	402.3	407.6	411.5	413.4	413.2
160°	381.7	388.5	393.1	397.9	401.2	402.6	401.9
162.5°	375.2	380.9	385.0	388.7	391.5	391.8	391.7
165°	365.6	369.6	373.0	375.7	377.0	377.0	377.0
167.5°	356.1	359.2	361.6	363.0	364.2	363.7	363.5
170°	350.8	352.8	354.1	355.4	356.1	356.1	355.4
172.5°	345.9	347.4	348.2	348.4	349.7	348.6	347.9
175°	338.6	340.0	340.0	340.0	340.6	339.3	338.6
177.5°	335.5	335.5	335.5	335.0	335.5	333.9	333.9
180°	333.9	333.9	333.9	333.9	333.9	333.9	333.9

(END OF REPORT)