

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: P333252-840

Luminaire Tested: **S125DIP-S1090D365U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333252-840
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-S1090D365U840-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5860.0 lumens
Efficiency: N/A
Efficacy: 134.7 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

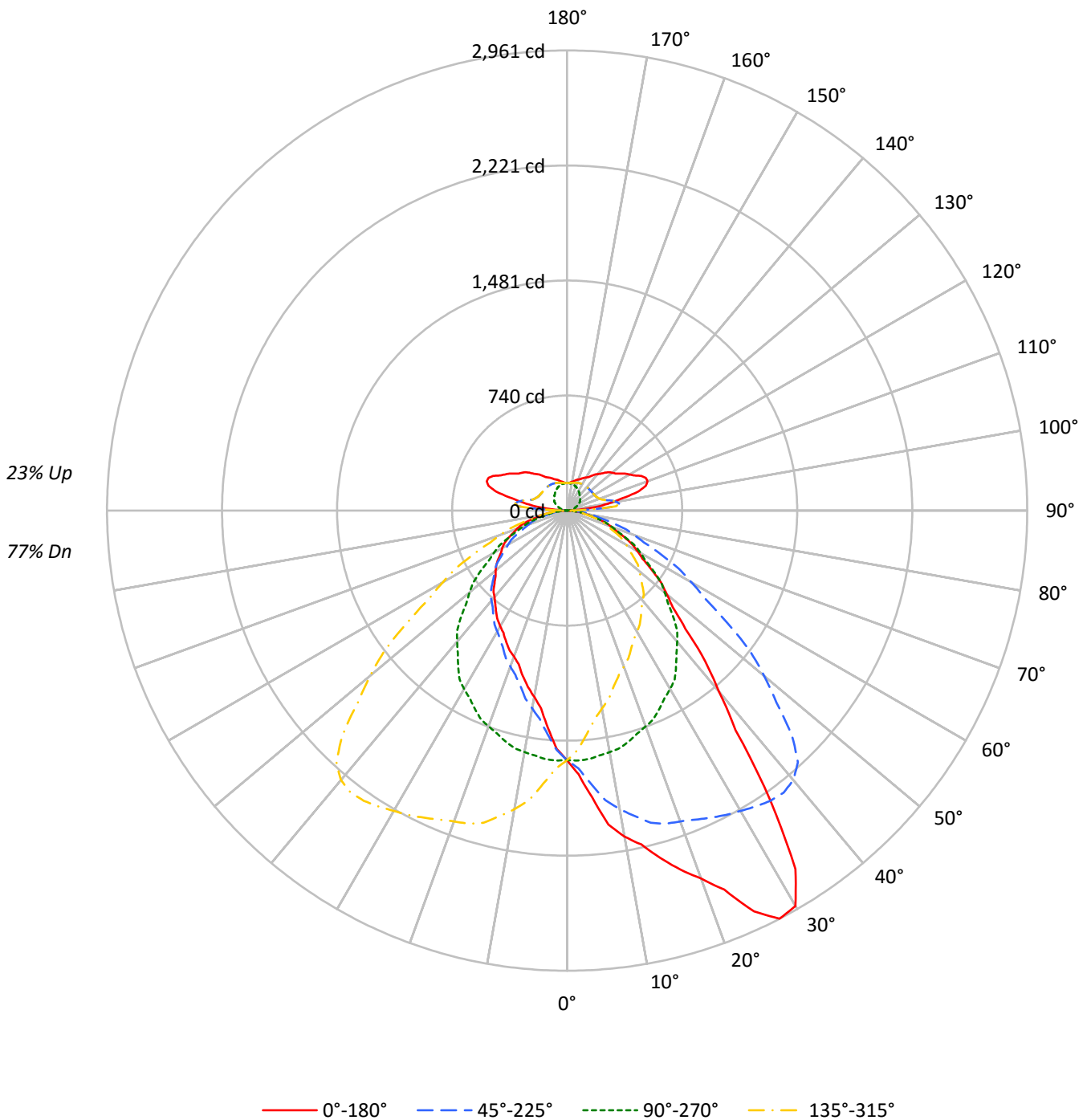
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	114	114	114	114	108	108	108	108	99	99	99	90	90	90	81	81	81	77
1	104	100	96	92	99	95	92	89	87	84	82	79	77	75	72	71	69	66
2	95	88	81	76	91	84	78	74	77	72	68	70	67	64	64	61	59	56
3	87	77	70	64	83	74	67	62	68	62	58	62	58	54	57	54	51	47
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	51	47	44	41
5	74	62	53	47	70	59	51	46	54	48	43	50	45	41	46	42	38	36
6	68	55	47	41	65	53	46	40	49	43	38	46	40	36	42	37	34	31
7	63	50	42	36	60	48	41	35	45	38	34	41	36	32	38	34	30	28
8	59	46	38	32	56	44	37	31	41	35	30	38	32	28	35	31	27	25
9	55	42	34	29	52	40	33	28	38	31	27	35	30	26	33	28	24	22
10	51	39	31	26	49	37	30	25	35	29	24	32	27	23	30	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10371	10371	10371	10371
5°	12010	10407	9111	10407
10°	13973	10352	7984	10352
15°	15468	10277	7365	10277
20°	17314	10156	6868	10156
25°	20283	10020	6625	10020
30°	21908	9887	6415	9887
35°	18013	9635	6277	9635
40°	12803	9286	6126	9286
45°	9836	8815	6039	8815
50°	8397	8232	6027	8232
55°	7475	7659	6079	7659
60°	6744	7034	6234	7034
65°	6229	6406	6395	6406
70°	5663	5754	6488	5754
75°	5001	5068	6428	5068
80°	4206	4132	5880	4132
85°	3327	2979	4742	2979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	2.6
10°-20°	460.3	7.9
20°-30°	747.4	12.8
30°-40°	911.7	15.6
40°-50°	829.4	14.2
50°-60°	660.6	11.3
60°-70°	460.1	7.9
70°-80°	245.4	4.2
80°-90°	62.9	1.1
90°-100°	128.3	2.2
100°-110°	275.8	4.7
110°-120°	258.9	4.4
120°-130°	209.8	3.6
130°-140°	168.4	2.9
140°-150°	127.0	2.2
150°-160°	89.4	1.5
160°-170°	52.7	0.9
170°-180°	17.1	0.3
0°-30°	1362.3	23.2
0°-40°	2274.0	38.8
0°-60°	3764.0	64.2
0°-90°	4532.5	77.3
90°-120°	663.0	11.3
90°-150°	1168.2	19.9
90°-180°	1328.0	22.7
0°-180°	5860.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1606	1606	1606	1606	1606	
5°	1853	1605	1405	1605	1853	187
15°	2313	1537	1102	1537	2313	662
25°	2846	1406	930	1406	2846	1300
35°	2285	1222	796	1222	2285	1398
45°	1077	965	661	965	1077	862
55°	664	680	540	680	664	598
65°	408	419	418	419	408	405
75°	200	203	258	203	200	216
85°	45	40	64	40	45	52
90°	8	0	8	0	8	7
95°	84	12	84	12	84	119
105°	473	40	473	40	473	470
115°	527	72	527	72	527	515
125°	415	100	415	100	415	376
135°	345	117	345	117	345	267
145°	272	136	272	136	272	173
155°	228	156	228	156	228	106
165°	200	170	200	170	200	57
175°	180	177	180	177	180	17
180°	177	177	177	177	177	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1698.6	1696.4	1694.3	1689.8	1693.1	1683.8	1679.5	1671.8	1662.5	1659.3	1655.5
5°	1852.6	1856.0	1859.5	1845.1	1846.4	1836.9	1815.1	1797.4	1783.1	1764.6	1751.7
7.5°	2038.0	2029.9	2029.3	2020.0	2004.1	1991.3	1968.3	1939.1	1911.0	1878.8	1852.2
10°	2130.7	2131.4	2125.3	2114.4	2097.3	2085.1	2055.1	2026.4	1991.7	1950.8	1921.5
12.5°	2200.5	2203.3	2195.6	2180.9	2172.5	2145.1	2121.6	2087.5	2046.2	2013.5	1968.9
15°	2313.4	2305.9	2300.5	2282.0	2267.8	2239.1	2201.6	2166.2	2121.1	2079.6	2038.0
17.5°	2422.2	2428.1	2417.9	2401.2	2356.7	2323.3	2273.0	2224.5	2168.5	2112.7	2063.1
20°	2519.2	2524.7	2509.0	2479.7	2426.5	2393.2	2327.0	2264.3	2199.6	2128.0	2073.5
22.5°	2640.3	2635.9	2614.7	2570.2	2524.2	2462.4	2390.9	2314.5	2233.3	2152.5	2080.0
25°	2846.4	2817.7	2804.8	2749.7	2689.0	2598.3	2500.1	2388.3	2287.4	2180.5	2087.8
27.5°	2960.6	2951.6	2937.2	2898.7	2835.0	2738.0	2622.3	2486.1	2343.8	2208.7	2087.4
30°	2937.7	2939.1	2940.4	2928.2	2887.3	2814.4	2699.2	2552.6	2383.6	2231.6	2091.1
32.5°	2734.9	2759.7	2783.4	2811.5	2823.0	2808.9	2736.8	2604.4	2430.4	2257.8	2089.0
35°	2284.7	2292.3	2369.2	2445.6	2549.2	2629.7	2683.5	2624.8	2478.3	2280.0	2086.4
37.5°	1781.5	1818.3	1871.6	1957.8	2107.4	2241.3	2413.5	2492.6	2445.4	2287.2	2081.6
40°	1518.6	1552.7	1587.5	1675.4	1801.5	1963.7	2159.3	2326.3	2365.2	2264.3	2065.3
42.5°	1315.8	1342.8	1381.4	1447.4	1552.9	1696.6	1883.4	2101.6	2235.9	2197.8	2030.9
45°	1076.9	1094.0	1124.0	1176.5	1252.8	1365.2	1530.2	1768.8	1976.7	2045.5	1949.4
47.5°	921.8	921.7	945.0	981.3	1036.3	1131.9	1253.8	1440.8	1662.8	1827.1	1819.5
50°	835.7	832.2	850.6	882.0	925.6	989.1	1105.6	1254.9	1468.1	1654.3	1706.1
52.5°	761.5	761.9	773.3	796.4	832.9	887.1	974.1	1108.7	1291.0	1482.0	1579.5
55°	663.9	661.2	674.1	689.8	716.4	751.8	814.6	917.5	1065.3	1253.4	1380.3
57.5°	574.4	582.0	587.1	598.0	620.2	643.9	696.7	772.2	889.6	1051.1	1185.1
60°	522.1	529.6	533.7	544.6	562.3	582.8	623.7	685.0	783.9	922.9	1055.8
62.5°	475.2	481.1	482.4	492.2	506.8	526.6	558.8	610.4	688.4	810.0	940.2
65°	407.6	407.6	410.3	420.5	427.4	445.0	469.6	507.2	569.9	664.6	775.7
67.5°	342.4	345.7	345.1	349.5	355.8	369.6	387.2	418.1	464.5	533.7	622.6
70°	299.9	302.7	301.9	305.4	312.1	321.0	335.4	364.7	398.1	457.4	533.7
72.5°	261.8	262.9	261.1	265.6	269.6	277.4	293.4	309.0	340.2	390.3	453.0
75°	200.4	201.8	203.1	205.8	210.0	214.0	222.2	237.9	258.3	295.8	336.1
77.5°	150.3	147.6	150.9	150.5	152.8	155.9	163.2	171.5	188.2	212.0	243.1
80°	113.1	113.8	113.8	114.5	118.0	120.0	126.1	132.2	145.2	162.9	184.7
82.5°	82.6	84.4	83.3	84.5	87.4	88.9	92.3	97.4	104.8	118.8	134.5
85°	44.9	41.6	42.9	44.3	44.3	44.9	47.7	49.8	53.8	59.3	65.4
87.5°	14.7	15.9	16.3	16.3	16.9	16.7	18.8	18.8	20.3	21.8	23.9
90°	8.2	8.2	7.9	7.9	7.9	7.2	6.8	6.5	6.1	5.8	4.9
92.5°	22.7	23.3	23.8	24.7	29.3	34.5	45.8	63.2	93.1	115.0	116.9
95°	83.9	89.6	92.4	103.1	128.5	158.4	202.4	256.6	309.4	316.2	258.0
97.5°	202.7	207.3	217.6	237.6	259.6	301.3	344.2	382.1	391.5	337.7	230.5
100°	278.4	284.1	297.3	323.0	347.6	384.8	421.5	439.0	411.5	322.2	205.6
102.5°	362.9	367.2	381.5	399.8	426.2	451.3	468.9	458.1	399.5	295.2	186.7
105°	472.9	477.2	484.3	496.0	507.6	511.4	495.7	446.9	361.2	258.7	168.4
107.5°	531.3	534.1	536.5	536.5	530.8	512.1	471.8	406.6	322.0	233.7	160.8
110°	550.7	550.7	548.2	541.4	525.3	495.0	444.7	376.9	299.8	222.0	158.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	548.5	545.8	539.7	528.0	504.5	468.8	417.9	353.5	283.3	215.1	158.4
115°	526.7	522.1	512.1	495.0	467.2	428.3	379.4	324.1	265.2	207.7	159.6
117.5°	488.9	486.0	476.2	458.4	430.6	394.9	352.7	305.1	254.4	204.1	161.9
120°	464.3	461.5	451.8	434.7	408.3	376.9	337.6	294.8	248.4	202.4	164.2
122.5°	442.6	440.1	430.4	414.8	391.1	361.7	326.8	287.1	243.3	201.0	166.1
125°	415.1	411.5	403.6	389.0	369.0	343.4	312.3	275.9	236.3	199.1	169.6
127.5°	391.5	389.9	382.5	369.6	351.4	327.4	298.4	264.5	229.8	198.3	173.3
130°	378.7	376.6	369.4	357.6	339.8	316.6	288.7	257.3	225.6	197.7	175.6
132.5°	365.8	363.3	356.8	345.1	327.2	304.9	279.6	250.1	222.2	197.7	178.1
135°	344.8	342.6	336.2	324.5	308.7	288.4	265.5	241.0	218.0	197.7	181.7
137.5°	322.2	319.9	314.0	303.3	289.2	272.0	253.0	233.1	214.4	198.1	184.9
140°	306.6	304.8	299.4	290.1	276.9	262.0	245.5	228.7	212.7	198.4	186.3
142.5°	292.1	290.5	285.5	277.6	266.4	253.4	239.2	225.1	211.3	198.7	187.1
145°	272.0	270.5	266.6	260.5	252.0	242.4	231.3	220.3	209.1	198.4	188.0
147.5°	255.0	254.3	252.1	247.2	240.4	233.2	224.6	215.6	206.9	197.5	188.4
150°	245.5	245.2	243.8	239.4	234.1	227.7	221.0	213.1	205.2	196.6	188.4
152.5°	238.1	237.7	236.3	232.9	228.4	223.4	217.2	210.3	203.2	195.5	188.1
155°	228.0	227.7	226.6	224.1	220.6	216.6	211.7	205.9	199.9	193.5	187.3
157.5°	219.0	219.1	218.1	216.1	213.3	210.3	206.3	201.7	196.7	191.3	186.4
160°	213.1	213.4	212.7	211.0	208.4	205.9	202.4	198.8	194.2	189.9	185.6
162.5°	207.6	207.7	207.5	206.1	204.2	202.0	198.9	195.6	191.9	188.1	184.7
165°	199.9	199.9	199.9	199.1	197.7	195.9	193.8	191.3	188.4	185.6	183.5
167.5°	192.7	192.8	193.1	192.5	191.8	190.5	188.8	187.1	185.1	183.1	181.5
170°	188.4	188.8	188.8	188.4	187.7	187.0	185.9	184.9	183.1	181.7	180.6
172.5°	184.4	184.8	185.4	184.7	184.6	184.2	183.4	182.3	181.1	180.0	179.5
175°	179.6	179.9	180.6	180.3	180.3	180.3	179.6	179.6	178.4	178.1	178.1
177.5°	177.0	177.0	177.8	177.6	177.8	177.8	177.8	177.6	177.3	177.0	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1652.2	1648.4	1644.1	1636.4	1627.1	1622.2	1614.6	1609.7	1599.8	1591.6	1583.0
5°	1736.1	1718.4	1702.0	1680.8	1657.7	1642.6	1625.0	1605.2	1584.8	1563.6	1540.4
7.5°	1822.9	1791.5	1757.5	1720.8	1685.0	1651.9	1620.4	1589.5	1560.6	1525.7	1496.1
10°	1881.3	1841.7	1799.5	1749.7	1701.3	1659.0	1616.1	1578.6	1540.4	1499.5	1463.4
12.5°	1939.5	1886.9	1827.2	1772.6	1714.3	1663.3	1612.9	1565.0	1517.0	1471.8	1429.6
15°	1980.7	1934.4	1879.2	1801.5	1736.1	1665.9	1599.0	1537.0	1479.0	1428.7	1375.5
17.5°	2007.9	1948.1	1888.9	1814.3	1728.6	1650.0	1574.4	1503.4	1438.0	1374.1	1322.8
20°	2012.8	1951.5	1889.5	1816.4	1728.6	1638.6	1563.0	1477.7	1407.5	1341.4	1278.7
22.5°	2011.1	1941.7	1874.1	1799.1	1713.3	1630.4	1538.9	1452.1	1375.9	1310.9	1245.5
25°	1995.8	1921.5	1836.9	1761.3	1676.8	1588.8	1496.1	1406.1	1328.5	1254.2	1189.4
27.5°	1983.0	1886.5	1790.9	1702.6	1621.0	1540.4	1451.7	1359.6	1273.3	1198.1	1137.1
30°	1967.1	1861.5	1753.7	1661.7	1577.9	1499.5	1415.7	1325.8	1235.8	1162.2	1096.7
32.5°	1953.0	1829.9	1716.2	1616.0	1527.2	1451.0	1373.7	1288.1	1199.7	1125.1	1059.7
35°	1925.5	1783.1	1652.9	1539.7	1445.0	1366.7	1301.9	1222.1	1141.0	1068.7	1006.0
37.5°	1890.8	1721.7	1582.1	1463.4	1359.6	1277.0	1216.7	1155.5	1077.6	1007.9	951.3
40°	1863.5	1678.1	1530.2	1408.9	1301.2	1215.3	1159.4	1101.5	1036.7	972.0	912.0
42.5°	1829.2	1638.9	1477.8	1347.3	1240.6	1157.0	1098.3	1049.1	992.0	931.6	876.0
45°	1766.1	1567.7	1393.2	1252.8	1145.1	1062.6	1002.0	965.1	922.2	864.9	817.9
47.5°	1673.2	1482.2	1301.7	1156.8	1045.7	969.3	912.4	877.1	846.9	804.3	761.6
50°	1590.8	1418.5	1235.8	1092.0	980.9	903.8	851.3	819.3	793.3	760.6	724.6
52.5°	1498.7	1338.3	1170.8	1028.6	918.7	842.7	791.3	763.2	741.5	718.1	682.6
55°	1352.3	1216.0	1060.6	925.6	824.0	749.7	704.8	680.2	662.6	644.8	623.0
57.5°	1191.0	1084.4	946.7	823.3	729.8	662.3	620.3	596.4	582.6	573.5	560.7
60°	1077.6	986.3	867.7	755.2	663.9	603.9	563.0	544.6	533.0	525.5	515.9
62.5°	972.4	897.4	787.5	684.9	605.0	548.3	511.8	493.9	482.8	479.2	471.3
65°	817.3	759.3	668.6	583.5	515.3	466.9	436.3	419.2	412.3	408.3	409.0
67.5°	664.4	629.1	556.3	483.6	429.3	388.7	364.2	351.0	347.6	342.1	342.0
70°	571.2	544.6	483.2	419.9	371.4	340.1	318.3	304.7	301.2	298.5	297.9
72.5°	488.9	465.5	412.3	361.5	318.0	290.5	272.5	264.3	258.7	257.1	257.0
75°	367.4	354.5	312.1	272.0	242.0	222.9	210.7	203.1	199.0	198.3	199.0
77.5°	261.2	249.8	223.0	194.5	175.6	161.2	150.8	148.1	143.5	143.7	143.0
80°	196.3	188.8	171.8	149.3	133.6	121.3	115.8	111.1	109.8	107.7	109.8
82.5°	142.3	134.3	122.7	108.4	95.4	88.1	82.6	81.1	80.3	79.4	79.8
85°	70.2	70.9	64.0	53.1	47.7	43.6	40.2	40.2	39.5	38.9	39.5
87.5°	24.9	23.7	21.4	19.7	16.8	15.0	14.3	14.7	13.2	12.8	13.5
90°	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4	0.7	1.4	2.1
92.5°	81.4	48.8	29.3	18.9	12.7	8.3	5.3	4.3	5.3	8.3	12.7
95°	159.6	81.0	42.8	26.8	18.9	14.9	12.1	11.8	12.1	14.9	18.9
97.5°	127.3	69.8	44.5	33.0	26.0	22.0	20.0	19.6	20.0	22.0	26.0
100°	115.6	69.3	48.6	37.9	31.0	27.2	25.7	24.9	25.7	27.2	31.0
102.5°	110.8	71.8	53.4	43.0	36.8	32.5	31.4	31.0	31.4	32.5	36.8
105°	108.9	77.1	61.4	51.4	45.6	42.1	40.3	40.3	40.3	42.1	45.6
107.5°	112.1	84.9	69.8	60.8	54.8	51.9	50.2	49.5	50.2	51.9	54.8
110°	115.3	90.7	76.0	66.8	61.4	58.2	56.8	56.0	56.8	58.2	61.4



TEST NUMBER: P333252-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	119.3	96.0	82.0	73.0	67.7	64.4	63.3	62.6	63.3	64.4	67.7
115°	125.2	104.6	91.4	82.4	77.1	73.9	72.8	72.1	72.8	73.9	77.1
117.5°	132.1	113.3	100.8	92.2	86.0	82.9	81.7	80.7	81.7	82.9	86.0
120°	136.7	119.6	107.0	98.2	92.1	88.9	87.5	86.3	87.5	88.9	92.1
122.5°	141.8	125.5	113.1	104.1	97.6	94.3	93.1	92.4	93.1	94.3	97.6
125°	148.9	133.5	121.7	112.4	105.6	102.4	100.7	100.0	100.7	102.4	105.6
127.5°	155.2	141.1	129.8	120.5	113.3	109.2	106.9	105.8	106.9	109.2	113.3
130°	159.6	145.9	134.9	125.6	118.2	113.5	110.7	109.6	110.7	113.5	118.2
132.5°	163.3	150.6	139.5	130.2	122.4	117.2	113.8	112.4	113.8	117.2	122.4
135°	168.4	156.6	145.6	136.0	128.5	122.8	118.5	117.0	118.5	122.8	128.5
137.5°	172.3	161.1	151.0	141.1	133.7	127.9	124.0	122.9	124.0	127.9	133.7
140°	174.9	164.2	153.8	144.2	137.4	131.7	127.4	126.3	127.4	131.7	137.4
142.5°	176.3	166.1	156.4	147.3	140.9	135.1	131.1	130.4	131.1	135.1	140.9
145°	178.4	169.6	160.3	152.1	145.6	140.6	137.0	136.3	137.0	140.6	145.6
147.5°	179.8	171.7	163.5	156.3	150.8	146.1	143.0	142.6	143.0	146.1	150.8
150°	180.6	173.1	165.2	159.2	154.2	149.6	147.0	146.3	147.0	149.6	154.2
152.5°	181.2	174.5	167.2	161.8	157.0	153.0	150.8	150.4	150.8	153.0	157.0
155°	181.7	175.9	169.9	164.9	161.3	157.7	155.6	155.6	155.6	157.7	161.3
157.5°	182.0	177.1	172.0	168.1	165.0	162.0	160.3	160.4	160.3	162.0	165.0
160°	182.0	177.7	173.1	169.9	167.0	164.5	163.1	163.5	163.1	164.5	167.0
162.5°	181.8	178.3	174.2	171.6	169.4	167.1	165.7	166.0	165.7	167.1	169.4
165°	181.3	178.4	175.6	173.5	172.0	170.3	169.2	169.9	169.2	170.3	172.0
167.5°	180.5	178.4	176.1	174.7	173.7	172.8	172.1	172.5	172.1	172.8	173.7
170°	179.9	178.4	176.6	175.6	174.9	174.2	173.8	174.2	173.8	174.2	174.9
172.5°	179.4	178.1	176.6	176.1	175.7	175.0	174.7	175.3	174.7	175.0	175.7
175°	178.4	177.7	176.6	176.6	176.6	176.3	175.9	176.6	175.9	176.3	176.6
177.5°	177.6	177.3	176.7	176.7	177.0	176.7	176.7	177.3	176.7	176.7	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333252-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1578.0	1572.1	1567.1	1556.2	1550.2	1542.1	1535.5	1542.6	1535.0	1538.2	1533.4
5°	1528.8	1509.7	1496.1	1476.3	1459.4	1443.6	1432.1	1430.0	1424.5	1421.8	1413.6
7.5°	1469.7	1445.8	1422.4	1396.4	1374.6	1352.4	1338.3	1326.6	1318.8	1308.6	1301.6
10°	1434.8	1402.7	1375.5	1344.1	1316.9	1293.0	1273.9	1264.4	1255.6	1242.5	1237.8
12.5°	1391.7	1358.6	1325.3	1291.8	1265.6	1239.0	1222.6	1208.2	1202.0	1187.5	1186.0
15°	1340.1	1290.3	1257.6	1223.5	1187.4	1165.6	1152.0	1136.2	1129.4	1119.2	1111.7
17.5°	1278.4	1234.0	1193.1	1157.8	1126.8	1108.4	1091.6	1080.8	1069.0	1062.4	1050.1
20°	1233.8	1191.4	1150.5	1113.1	1089.2	1068.0	1054.4	1044.2	1032.0	1028.5	1016.3
22.5°	1196.1	1149.4	1110.2	1078.7	1052.7	1028.9	1014.1	1007.1	998.7	988.2	985.7
25°	1134.9	1086.5	1053.1	1021.8	998.6	976.7	966.5	957.7	949.5	942.0	939.3
27.5°	1082.0	1038.7	999.1	970.8	950.6	930.7	921.7	910.9	904.9	898.9	891.5
30°	1044.9	1000.6	965.8	938.6	916.8	899.1	889.5	882.0	876.6	871.1	867.0
32.5°	1006.7	965.7	932.0	905.3	883.5	870.1	861.7	856.4	850.4	843.8	838.7
35°	956.3	911.3	878.6	855.5	838.4	828.2	818.6	813.9	807.0	807.0	801.5
37.5°	899.5	860.6	831.7	810.6	795.3	786.2	775.8	772.5	768.2	765.3	763.4
40°	865.7	829.5	802.2	781.1	764.8	757.3	749.1	743.7	740.9	737.5	736.1
42.5°	830.7	796.3	770.1	750.6	736.4	730.0	722.4	718.5	713.1	708.6	707.8
45°	777.7	744.3	720.4	704.8	692.5	685.0	680.2	672.1	669.3	663.9	663.2
47.5°	727.4	695.4	672.0	659.1	648.3	642.2	634.7	626.5	623.4	620.7	620.4
50°	689.8	660.5	638.6	626.4	616.2	607.3	599.9	594.4	592.3	592.3	593.7
52.5°	651.7	626.6	608.1	593.1	583.5	574.0	567.1	563.8	560.7	564.0	566.4
55°	595.7	570.5	556.8	542.6	533.0	522.1	518.7	517.4	515.3	520.8	523.5
57.5°	536.5	518.9	502.9	488.7	480.1	473.8	469.2	468.4	472.2	474.8	483.6
60°	499.0	478.5	464.1	453.2	443.0	439.0	437.6	436.3	439.0	446.5	458.1
62.5°	457.5	440.9	425.5	417.3	409.8	402.9	402.7	403.5	409.0	417.6	429.1
65°	396.7	382.3	372.1	362.6	356.5	352.3	353.8	356.5	362.6	374.2	387.2
67.5°	335.0	325.2	316.0	308.2	302.4	302.4	303.8	307.8	315.1	328.4	340.2
70°	295.2	284.3	276.7	273.4	268.5	265.8	269.9	276.7	282.9	295.2	305.4
72.5°	255.3	246.1	240.2	237.9	235.8	233.7	235.0	242.4	250.6	263.0	274.8
75°	196.3	192.9	188.8	186.1	184.0	185.4	186.7	193.6	200.4	213.4	227.0
77.5°	143.3	139.8	137.2	136.6	135.5	136.2	140.0	145.0	151.7	161.2	171.5
80°	108.4	107.0	105.6	104.9	104.9	105.6	111.1	114.5	120.7	129.5	137.6
82.5°	79.0	78.1	77.9	77.7	78.3	78.4	81.7	86.1	91.2	97.9	104.9
85°	41.6	40.2	42.2	42.9	41.6	43.6	44.9	47.7	49.8	53.1	56.6
87.5°	14.2	15.5	14.9	15.7	15.8	17.0	16.5	18.8	19.9	21.1	20.7
90°	2.8	3.5	3.9	4.6	4.9	5.8	6.1	6.5	6.8	7.2	7.9
92.5°	18.9	29.3	48.8	81.4	116.9	115.0	93.1	63.2	45.8	34.5	29.3
95°	26.8	42.8	81.0	159.6	258.0	316.2	309.4	256.6	202.4	158.4	128.5
97.5°	33.0	44.5	69.8	127.3	230.5	337.7	391.5	382.1	344.2	301.3	259.6
100°	37.9	48.6	69.3	115.6	205.6	322.2	411.5	439.0	421.5	384.8	347.6
102.5°	43.0	53.4	71.8	110.8	186.7	295.2	399.5	458.1	468.9	451.3	426.2
105°	51.4	61.4	77.1	108.9	168.4	258.7	361.2	446.9	495.7	511.4	507.6
107.5°	60.8	69.8	84.9	112.1	160.8	233.7	322.0	406.6	471.8	512.1	530.8
110°	66.8	76.0	90.7	115.3	158.4	222.0	299.8	376.9	444.7	495.0	525.3



TEST NUMBER: P333252-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	73.0	82.0	96.0	119.3	158.4	215.1	283.3	353.5	417.9	468.8	504.5
115°	82.4	91.4	104.6	125.2	159.6	207.7	265.2	324.1	379.4	428.3	467.2
117.5°	92.2	100.8	113.3	132.1	161.9	204.1	254.4	305.1	352.7	394.9	430.6
120°	98.2	107.0	119.6	136.7	164.2	202.4	248.4	294.8	337.6	376.9	408.3
122.5°	104.1	113.1	125.5	141.8	166.1	201.0	243.3	287.1	326.8	361.7	391.1
125°	112.4	121.7	133.5	148.9	169.6	199.1	236.3	275.9	312.3	343.4	369.0
127.5°	120.5	129.8	141.1	155.2	173.3	198.3	229.8	264.5	298.4	327.4	351.4
130°	125.6	134.9	145.9	159.6	175.6	197.7	225.6	257.3	288.7	316.6	339.8
132.5°	130.2	139.5	150.6	163.3	178.1	197.7	222.2	250.1	279.6	304.9	327.2
135°	136.0	145.6	156.6	168.4	181.7	197.7	218.0	241.0	265.5	288.4	308.7
137.5°	141.1	151.0	161.1	172.3	184.9	198.1	214.4	233.1	253.0	272.0	289.2
140°	144.2	153.8	164.2	174.9	186.3	198.4	212.7	228.7	245.5	262.0	276.9
142.5°	147.3	156.4	166.1	176.3	187.1	198.7	211.3	225.1	239.2	253.4	266.4
145°	152.1	160.3	169.6	178.4	188.0	198.4	209.1	220.3	231.3	242.4	252.0
147.5°	156.3	163.5	171.7	179.8	188.4	197.5	206.9	215.6	224.6	233.2	240.4
150°	159.2	165.2	173.1	180.6	188.4	196.6	205.2	213.1	221.0	227.7	234.1
152.5°	161.8	167.2	174.5	181.2	188.1	195.5	203.2	210.3	217.2	223.4	228.4
155°	164.9	169.9	175.9	181.7	187.3	193.5	199.9	205.9	211.7	216.6	220.6
157.5°	168.1	172.0	177.1	182.0	186.4	191.3	196.7	201.7	206.3	210.3	213.3
160°	169.9	173.1	177.7	182.0	185.6	189.9	194.2	198.8	202.4	205.9	208.4
162.5°	171.6	174.2	178.3	181.8	184.7	188.1	191.9	195.6	198.9	202.0	204.2
165°	173.5	175.6	178.4	181.3	183.5	185.6	188.4	191.3	193.8	195.9	197.7
167.5°	174.7	176.1	178.4	180.5	181.5	183.1	185.1	187.1	188.8	190.5	191.8
170°	175.6	176.6	178.4	179.9	180.6	181.7	183.1	184.9	185.9	187.0	187.7
172.5°	176.1	176.6	178.1	179.4	179.5	180.0	181.1	182.3	183.4	184.2	184.6
175°	176.6	176.6	177.7	178.4	178.1	178.1	178.4	179.6	179.6	180.3	180.3
177.5°	176.7	176.7	177.3	177.6	177.0	177.0	177.3	177.6	177.8	177.8	177.8
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333252-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1530.0	1533.9	1530.7	1535.0	1530.7	1533.9	1530.0	1533.4	1538.2	1535.0	1542.6
5°	1410.3	1404.1	1408.2	1405.4	1408.2	1404.1	1410.3	1413.6	1421.8	1424.5	1430.0
7.5°	1299.6	1293.7	1287.0	1283.8	1287.0	1293.7	1299.6	1301.6	1308.6	1318.8	1326.6
10°	1230.3	1222.8	1222.1	1217.4	1222.1	1222.8	1230.3	1237.8	1242.5	1255.6	1264.4
12.5°	1179.6	1172.7	1164.9	1162.9	1164.9	1172.7	1179.6	1186.0	1187.5	1202.0	1208.2
15°	1107.6	1102.2	1097.4	1101.5	1097.4	1102.2	1107.6	1111.7	1119.2	1129.4	1136.2
17.5°	1047.7	1043.3	1042.5	1037.4	1042.5	1043.3	1047.7	1050.1	1062.4	1069.0	1080.8
20°	1010.2	1006.7	1008.1	999.3	1008.1	1006.7	1010.2	1016.3	1028.5	1032.0	1044.2
22.5°	980.2	973.5	972.7	970.9	972.7	973.5	980.2	985.7	988.2	998.7	1007.1
25°	933.1	929.7	926.3	929.7	926.3	929.7	933.1	939.3	942.0	949.5	957.7
27.5°	892.1	888.0	887.1	887.5	887.1	888.0	892.1	891.5	898.9	904.9	910.9
30°	867.0	860.2	860.9	860.2	860.9	860.2	867.0	867.0	871.1	876.6	882.0
32.5°	839.7	835.1	834.1	832.9	834.1	835.1	839.7	838.7	843.8	850.4	856.4
35°	799.5	799.5	796.1	796.1	796.1	799.5	799.5	801.5	807.0	807.0	813.9
37.5°	761.7	761.0	759.0	759.3	759.0	761.0	761.7	763.4	765.3	768.2	772.5
40°	733.4	732.8	730.6	726.6	730.6	732.8	733.4	736.1	737.5	740.9	743.7
42.5°	706.1	703.9	702.9	701.6	702.9	703.9	706.1	707.8	708.6	713.1	718.5
45°	663.2	663.2	661.9	661.2	661.9	663.2	663.2	663.2	663.9	669.3	672.1
47.5°	621.5	622.7	625.3	624.9	625.3	622.7	621.5	620.4	620.7	623.4	626.5
50°	596.4	597.1	599.2	599.9	599.2	597.1	596.4	593.7	592.3	592.3	594.4
52.5°	568.6	572.6	575.1	574.7	575.1	572.6	568.6	566.4	564.0	560.7	563.8
55°	529.6	534.4	539.2	539.9	539.2	534.4	529.6	523.5	520.8	515.3	517.4
57.5°	491.0	497.7	502.7	504.4	502.7	497.7	491.0	483.6	474.8	472.2	468.4
60°	464.8	473.7	479.9	482.6	479.9	473.7	464.8	458.1	446.5	439.0	436.3
62.5°	439.8	449.7	455.9	456.4	455.9	449.7	439.8	429.1	417.6	409.0	403.5
65°	398.7	409.0	414.4	418.5	414.4	409.0	398.7	387.2	374.2	362.6	356.5
67.5°	354.6	364.8	370.8	374.1	370.8	364.8	354.6	340.2	328.4	315.1	307.8
70°	322.4	332.6	340.8	343.6	340.8	332.6	322.4	305.4	295.2	282.9	276.7
72.5°	290.7	299.9	306.5	309.7	306.5	299.9	290.7	274.8	263.0	250.6	242.4
75°	235.8	248.1	254.3	257.6	254.3	248.1	235.8	227.0	213.4	200.4	193.6
77.5°	181.9	193.0	196.7	198.4	196.7	193.0	181.9	171.5	161.2	151.7	145.0
80°	145.8	152.7	157.4	158.1	157.4	152.7	145.8	137.6	129.5	120.7	114.5
82.5°	112.1	117.8	119.3	121.1	119.3	117.8	112.1	104.9	97.9	91.2	86.1
85°	61.3	64.0	64.7	64.0	64.7	64.0	61.3	56.6	53.1	49.8	47.7
87.5°	21.7	21.2	21.3	22.3	21.3	21.2	21.7	20.7	21.1	19.9	18.8
90°	7.9	7.9	8.2	8.2	8.2	7.9	7.9	7.9	7.2	6.8	6.5
92.5°	24.7	23.8	23.3	22.7	23.3	23.8	24.7	29.3	34.5	45.8	63.2
95°	103.1	92.4	89.6	83.9	89.6	92.4	103.1	128.5	158.4	202.4	256.6
97.5°	237.6	217.6	207.3	202.7	207.3	217.6	237.6	259.6	301.3	344.2	382.1
100°	323.0	297.3	284.1	278.4	284.1	297.3	323.0	347.6	384.8	421.5	439.0
102.5°	399.8	381.5	367.2	362.9	367.2	381.5	399.8	426.2	451.3	468.9	458.1
105°	496.0	484.3	477.2	472.9	477.2	484.3	496.0	507.6	511.4	495.7	446.9
107.5°	536.5	536.5	534.1	531.3	534.1	536.5	536.5	530.8	512.1	471.8	406.6
110°	541.4	548.2	550.7	550.7	550.7	548.2	541.4	525.3	495.0	444.7	376.9



TEST NUMBER: P333252-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	528.0	539.7	545.8	548.5	545.8	539.7	528.0	504.5	468.8	417.9	353.5
115°	495.0	512.1	522.1	526.7	522.1	512.1	495.0	467.2	428.3	379.4	324.1
117.5°	458.4	476.2	486.0	488.9	486.0	476.2	458.4	430.6	394.9	352.7	305.1
120°	434.7	451.8	461.5	464.3	461.5	451.8	434.7	408.3	376.9	337.6	294.8
122.5°	414.8	430.4	440.1	442.6	440.1	430.4	414.8	391.1	361.7	326.8	287.1
125°	389.0	403.6	411.5	415.1	411.5	403.6	389.0	369.0	343.4	312.3	275.9
127.5°	369.6	382.5	389.9	391.5	389.9	382.5	369.6	351.4	327.4	298.4	264.5
130°	357.6	369.4	376.6	378.7	376.6	369.4	357.6	339.8	316.6	288.7	257.3
132.5°	345.1	356.8	363.3	365.8	363.3	356.8	345.1	327.2	304.9	279.6	250.1
135°	324.5	336.2	342.6	344.8	342.6	336.2	324.5	308.7	288.4	265.5	241.0
137.5°	303.3	314.0	319.9	322.2	319.9	314.0	303.3	289.2	272.0	253.0	233.1
140°	290.1	299.4	304.8	306.6	304.8	299.4	290.1	276.9	262.0	245.5	228.7
142.5°	277.6	285.5	290.5	292.1	290.5	285.5	277.6	266.4	253.4	239.2	225.1
145°	260.5	266.6	270.5	272.0	270.5	266.6	260.5	252.0	242.4	231.3	220.3
147.5°	247.2	252.1	254.3	255.0	254.3	252.1	247.2	240.4	233.2	224.6	215.6
150°	239.4	243.8	245.2	245.5	245.2	243.8	239.4	234.1	227.7	221.0	213.1
152.5°	232.9	236.3	237.7	238.1	237.7	236.3	232.9	228.4	223.4	217.2	210.3
155°	224.1	226.6	227.7	228.0	227.7	226.6	224.1	220.6	216.6	211.7	205.9
157.5°	216.1	218.1	219.1	219.0	219.1	218.1	216.1	213.3	210.3	206.3	201.7
160°	211.0	212.7	213.4	213.1	213.4	212.7	211.0	208.4	205.9	202.4	198.8
162.5°	206.1	207.5	207.7	207.6	207.7	207.5	206.1	204.2	202.0	198.9	195.6
165°	199.1	199.9	199.9	199.9	199.9	199.9	199.1	197.7	195.9	193.8	191.3
167.5°	192.5	193.1	192.8	192.7	192.8	193.1	192.5	191.8	190.5	188.8	187.1
170°	188.4	188.8	188.8	188.4	188.8	188.8	188.4	187.7	187.0	185.9	184.9
172.5°	184.7	185.4	184.8	184.4	184.8	185.4	184.7	184.6	184.2	183.4	182.3
175°	180.3	180.6	179.9	179.6	179.9	180.6	180.3	180.3	180.3	179.6	179.6
177.5°	177.6	177.8	177.0	177.0	177.0	177.8	177.6	177.8	177.8	177.8	177.6
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333252-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1535.5	1542.1	1550.2	1556.2	1567.1	1572.1	1578.0	1583.0	1591.6	1599.8	1609.7
5°	1432.1	1443.6	1459.4	1476.3	1496.1	1509.7	1528.8	1540.4	1563.6	1584.8	1605.2
7.5°	1338.3	1352.4	1374.6	1396.4	1422.4	1445.8	1469.7	1496.1	1525.7	1560.6	1589.5
10°	1273.9	1293.0	1316.9	1344.1	1375.5	1402.7	1434.8	1463.4	1499.5	1540.4	1578.6
12.5°	1222.6	1239.0	1265.6	1291.8	1325.3	1358.6	1391.7	1429.6	1471.8	1517.0	1565.0
15°	1152.0	1165.6	1187.4	1223.5	1257.6	1290.3	1340.1	1375.5	1428.7	1479.0	1537.0
17.5°	1091.6	1108.4	1126.8	1157.8	1193.1	1234.0	1278.4	1322.8	1374.1	1438.0	1503.4
20°	1054.4	1068.0	1089.2	1113.1	1150.5	1191.4	1233.8	1278.7	1341.4	1407.5	1477.7
22.5°	1014.1	1028.9	1052.7	1078.7	1110.2	1149.4	1196.1	1245.5	1310.9	1375.9	1452.1
25°	966.5	976.7	998.6	1021.8	1053.1	1086.5	1134.9	1189.4	1254.2	1328.5	1406.1
27.5°	921.7	930.7	950.6	970.8	999.1	1038.7	1082.0	1137.1	1198.1	1273.3	1359.6
30°	889.5	899.1	916.8	938.6	965.8	1000.6	1044.9	1096.7	1162.2	1235.8	1325.8
32.5°	861.7	870.1	883.5	905.3	932.0	965.7	1006.7	1059.7	1125.1	1199.7	1288.1
35°	818.6	828.2	838.4	855.5	878.6	911.3	956.3	1006.0	1068.7	1141.0	1222.1
37.5°	775.8	786.2	795.3	810.6	831.7	860.6	899.5	951.3	1007.9	1077.6	1155.5
40°	749.1	757.3	764.8	781.1	802.2	829.5	865.7	912.0	972.0	1036.7	1101.5
42.5°	722.4	730.0	736.4	750.6	770.1	796.3	830.7	876.0	931.6	992.0	1049.1
45°	680.2	685.0	692.5	704.8	720.4	744.3	777.7	817.9	864.9	922.2	965.1
47.5°	634.7	642.2	648.3	659.1	672.0	695.4	727.4	761.6	804.3	846.9	877.1
50°	599.9	607.3	616.2	626.4	638.6	660.5	689.8	724.6	760.6	793.3	819.3
52.5°	567.1	574.0	583.5	593.1	608.1	626.6	651.7	682.6	718.1	741.5	763.2
55°	518.7	522.1	533.0	542.6	556.8	570.5	595.7	623.0	644.8	662.6	680.2
57.5°	469.2	473.8	480.1	488.7	502.9	518.9	536.5	560.7	573.5	582.6	596.4
60°	437.6	439.0	443.0	453.2	464.1	478.5	499.0	515.9	525.5	533.0	544.6
62.5°	402.7	402.9	409.8	417.3	425.5	440.9	457.5	471.3	479.2	482.8	493.9
65°	353.8	352.3	356.5	362.6	372.1	382.3	396.7	409.0	408.3	412.3	419.2
67.5°	303.8	302.4	302.4	308.2	316.0	325.2	335.0	342.0	342.1	347.6	351.0
70°	269.9	265.8	268.5	273.4	276.7	284.3	295.2	297.9	298.5	301.2	304.7
72.5°	235.0	233.7	235.8	237.9	240.2	246.1	255.3	257.0	257.1	258.7	264.3
75°	186.7	185.4	184.0	186.1	188.8	192.9	196.3	199.0	198.3	199.0	203.1
77.5°	140.0	136.2	135.5	136.6	137.2	139.8	143.3	143.0	143.7	143.5	148.1
80°	111.1	105.6	104.9	104.9	105.6	107.0	108.4	109.8	107.7	109.8	111.1
82.5°	81.7	78.4	78.3	77.7	77.9	78.1	79.0	79.8	79.4	80.3	81.1
85°	44.9	43.6	41.6	42.9	42.2	40.2	41.6	39.5	38.9	39.5	40.2
87.5°	16.5	17.0	15.8	15.7	14.9	15.5	14.2	13.5	12.8	13.2	14.7
90°	6.1	5.8	4.9	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4
92.5°	93.1	115.0	116.9	81.4	48.8	29.3	18.9	12.7	8.3	5.3	4.3
95°	309.4	316.2	258.0	159.6	81.0	42.8	26.8	18.9	14.9	12.1	11.8
97.5°	391.5	337.7	230.5	127.3	69.8	44.5	33.0	26.0	22.0	20.0	19.6
100°	411.5	322.2	205.6	115.6	69.3	48.6	37.9	31.0	27.2	25.7	24.9
102.5°	399.5	295.2	186.7	110.8	71.8	53.4	43.0	36.8	32.5	31.4	31.0
105°	361.2	258.7	168.4	108.9	77.1	61.4	51.4	45.6	42.1	40.3	40.3
107.5°	322.0	233.7	160.8	112.1	84.9	69.8	60.8	54.8	51.9	50.2	49.5
110°	299.8	222.0	158.4	115.3	90.7	76.0	66.8	61.4	58.2	56.8	56.0



TEST NUMBER: P333252-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.3	215.1	158.4	119.3	96.0	82.0	73.0	67.7	64.4	63.3	62.6
115°	265.2	207.7	159.6	125.2	104.6	91.4	82.4	77.1	73.9	72.8	72.1
117.5°	254.4	204.1	161.9	132.1	113.3	100.8	92.2	86.0	82.9	81.7	80.7
120°	248.4	202.4	164.2	136.7	119.6	107.0	98.2	92.1	88.9	87.5	86.3
122.5°	243.3	201.0	166.1	141.8	125.5	113.1	104.1	97.6	94.3	93.1	92.4
125°	236.3	199.1	169.6	148.9	133.5	121.7	112.4	105.6	102.4	100.7	100.0
127.5°	229.8	198.3	173.3	155.2	141.1	129.8	120.5	113.3	109.2	106.9	105.8
130°	225.6	197.7	175.6	159.6	145.9	134.9	125.6	118.2	113.5	110.7	109.6
132.5°	222.2	197.7	178.1	163.3	150.6	139.5	130.2	122.4	117.2	113.8	112.4
135°	218.0	197.7	181.7	168.4	156.6	145.6	136.0	128.5	122.8	118.5	117.0
137.5°	214.4	198.1	184.9	172.3	161.1	151.0	141.1	133.7	127.9	124.0	122.9
140°	212.7	198.4	186.3	174.9	164.2	153.8	144.2	137.4	131.7	127.4	126.3
142.5°	211.3	198.7	187.1	176.3	166.1	156.4	147.3	140.9	135.1	131.1	130.4
145°	209.1	198.4	188.0	178.4	169.6	160.3	152.1	145.6	140.6	137.0	136.3
147.5°	206.9	197.5	188.4	179.8	171.7	163.5	156.3	150.8	146.1	143.0	142.6
150°	205.2	196.6	188.4	180.6	173.1	165.2	159.2	154.2	149.6	147.0	146.3
152.5°	203.2	195.5	188.1	181.2	174.5	167.2	161.8	157.0	153.0	150.8	150.4
155°	199.9	193.5	187.3	181.7	175.9	169.9	164.9	161.3	157.7	155.6	155.6
157.5°	196.7	191.3	186.4	182.0	177.1	172.0	168.1	165.0	162.0	160.3	160.4
160°	194.2	189.9	185.6	182.0	177.7	173.1	169.9	167.0	164.5	163.1	163.5
162.5°	191.9	188.1	184.7	181.8	178.3	174.2	171.6	169.4	167.1	165.7	166.0
165°	188.4	185.6	183.5	181.3	178.4	175.6	173.5	172.0	170.3	169.2	169.9
167.5°	185.1	183.1	181.5	180.5	178.4	176.1	174.7	173.7	172.8	172.1	172.5
170°	183.1	181.7	180.6	179.9	178.4	176.6	175.6	174.9	174.2	173.8	174.2
172.5°	181.1	180.0	179.5	179.4	178.1	176.6	176.1	175.7	175.0	174.7	175.3
175°	178.4	178.1	178.1	178.4	177.7	176.6	176.6	176.6	176.3	175.9	176.6
177.5°	177.3	177.0	177.0	177.6	177.3	176.7	176.7	177.0	176.7	176.7	177.3
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333252-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1614.6	1622.2	1627.1	1636.4	1644.1	1648.4	1652.2	1655.5	1659.3	1662.5	1671.8
5°	1625.0	1642.6	1657.7	1680.8	1702.0	1718.4	1736.1	1751.7	1764.6	1783.1	1797.4
7.5°	1620.4	1651.9	1685.0	1720.8	1757.5	1791.5	1822.9	1852.2	1878.8	1911.0	1939.1
10°	1616.1	1659.0	1701.3	1749.7	1799.5	1841.7	1881.3	1921.5	1950.8	1991.7	2026.4
12.5°	1612.9	1663.3	1714.3	1772.6	1827.2	1886.9	1939.5	1968.9	2013.5	2046.2	2087.5
15°	1599.0	1665.9	1736.1	1801.5	1879.2	1934.4	1980.7	2038.0	2079.6	2121.1	2166.2
17.5°	1574.4	1650.0	1728.6	1814.3	1888.9	1948.1	2007.9	2063.1	2112.7	2168.5	2224.5
20°	1563.0	1638.6	1728.6	1816.4	1889.5	1951.5	2012.8	2073.5	2128.0	2199.6	2264.3
22.5°	1538.9	1630.4	1713.3	1799.1	1874.1	1941.7	2011.1	2080.0	2152.5	2233.3	2314.5
25°	1496.1	1588.8	1676.8	1761.3	1836.9	1921.5	1995.8	2087.8	2180.5	2287.4	2388.3
27.5°	1451.7	1540.4	1621.0	1702.6	1790.9	1886.5	1983.0	2087.4	2208.7	2343.8	2486.1
30°	1415.7	1499.5	1577.9	1661.7	1753.7	1861.5	1967.1	2091.1	2231.6	2383.6	2552.6
32.5°	1373.7	1451.0	1527.2	1616.0	1716.2	1829.9	1953.0	2089.0	2257.8	2430.4	2604.4
35°	1301.9	1366.7	1445.0	1539.7	1652.9	1783.1	1925.5	2086.4	2280.0	2478.3	2624.8
37.5°	1216.7	1277.0	1359.6	1463.4	1582.1	1721.7	1890.8	2081.6	2287.2	2445.4	2492.6
40°	1159.4	1215.3	1301.2	1408.9	1530.2	1678.1	1863.5	2065.3	2264.3	2365.2	2326.3
42.5°	1098.3	1157.0	1240.6	1347.3	1477.8	1638.9	1829.2	2030.9	2197.8	2235.9	2101.6
45°	1002.0	1062.6	1145.1	1252.8	1393.2	1567.7	1766.1	1949.4	2045.5	1976.7	1768.8
47.5°	912.4	969.3	1045.7	1156.8	1301.7	1482.2	1673.2	1819.5	1827.1	1662.8	1440.8
50°	851.3	903.8	980.9	1092.0	1235.8	1418.5	1590.8	1706.1	1654.3	1468.1	1254.9
52.5°	791.3	842.7	918.7	1028.6	1170.8	1338.3	1498.7	1579.5	1482.0	1291.0	1108.7
55°	704.8	749.7	824.0	925.6	1060.6	1216.0	1352.3	1380.3	1253.4	1065.3	917.5
57.5°	620.3	662.3	729.8	823.3	946.7	1084.4	1191.0	1185.1	1051.1	889.6	772.2
60°	563.0	603.9	663.9	755.2	867.7	986.3	1077.6	1055.8	922.9	783.9	685.0
62.5°	511.8	548.3	605.0	684.9	787.5	897.4	972.4	940.2	810.0	688.4	610.4
65°	436.3	466.9	515.3	583.5	668.6	759.3	817.3	775.7	664.6	569.9	507.2
67.5°	364.2	388.7	429.3	483.6	556.3	629.1	664.4	622.6	533.7	464.5	418.1
70°	318.3	340.1	371.4	419.9	483.2	544.6	571.2	533.7	457.4	398.1	364.7
72.5°	272.5	290.5	318.0	361.5	412.3	465.5	488.9	453.0	390.3	340.2	309.0
75°	210.7	222.9	242.0	272.0	312.1	354.5	367.4	336.1	295.8	258.3	237.9
77.5°	150.8	161.2	175.6	194.5	223.0	249.8	261.2	243.1	212.0	188.2	171.5
80°	115.8	121.3	133.6	149.3	171.8	188.8	196.3	184.7	162.9	145.2	132.2
82.5°	82.6	88.1	95.4	108.4	122.7	134.3	142.3	134.5	118.8	104.8	97.4
85°	40.2	43.6	47.7	53.1	64.0	70.9	70.2	65.4	59.3	53.8	49.8
87.5°	14.3	15.0	16.8	19.7	21.4	23.7	24.9	23.9	21.8	20.3	18.8
90°	0.7	1.4	2.1	2.8	3.5	3.9	4.6	4.9	5.8	6.1	6.5
92.5°	5.3	8.3	12.7	18.9	29.3	48.8	81.4	116.9	115.0	93.1	63.2
95°	12.1	14.9	18.9	26.8	42.8	81.0	159.6	258.0	316.2	309.4	256.6
97.5°	20.0	22.0	26.0	33.0	44.5	69.8	127.3	230.5	337.7	391.5	382.1
100°	25.7	27.2	31.0	37.9	48.6	69.3	115.6	205.6	322.2	411.5	439.0
102.5°	31.4	32.5	36.8	43.0	53.4	71.8	110.8	186.7	295.2	399.5	458.1
105°	40.3	42.1	45.6	51.4	61.4	77.1	108.9	168.4	258.7	361.2	446.9
107.5°	50.2	51.9	54.8	60.8	69.8	84.9	112.1	160.8	233.7	322.0	406.6
110°	56.8	58.2	61.4	66.8	76.0	90.7	115.3	158.4	222.0	299.8	376.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	63.3	64.4	67.7	73.0	82.0	96.0	119.3	158.4	215.1	283.3	353.5
115°	72.8	73.9	77.1	82.4	91.4	104.6	125.2	159.6	207.7	265.2	324.1
117.5°	81.7	82.9	86.0	92.2	100.8	113.3	132.1	161.9	204.1	254.4	305.1
120°	87.5	88.9	92.1	98.2	107.0	119.6	136.7	164.2	202.4	248.4	294.8
122.5°	93.1	94.3	97.6	104.1	113.1	125.5	141.8	166.1	201.0	243.3	287.1
125°	100.7	102.4	105.6	112.4	121.7	133.5	148.9	169.6	199.1	236.3	275.9
127.5°	106.9	109.2	113.3	120.5	129.8	141.1	155.2	173.3	198.3	229.8	264.5
130°	110.7	113.5	118.2	125.6	134.9	145.9	159.6	175.6	197.7	225.6	257.3
132.5°	113.8	117.2	122.4	130.2	139.5	150.6	163.3	178.1	197.7	222.2	250.1
135°	118.5	122.8	128.5	136.0	145.6	156.6	168.4	181.7	197.7	218.0	241.0
137.5°	124.0	127.9	133.7	141.1	151.0	161.1	172.3	184.9	198.1	214.4	233.1
140°	127.4	131.7	137.4	144.2	153.8	164.2	174.9	186.3	198.4	212.7	228.7
142.5°	131.1	135.1	140.9	147.3	156.4	166.1	176.3	187.1	198.7	211.3	225.1
145°	137.0	140.6	145.6	152.1	160.3	169.6	178.4	188.0	198.4	209.1	220.3
147.5°	143.0	146.1	150.8	156.3	163.5	171.7	179.8	188.4	197.5	206.9	215.6
150°	147.0	149.6	154.2	159.2	165.2	173.1	180.6	188.4	196.6	205.2	213.1
152.5°	150.8	153.0	157.0	161.8	167.2	174.5	181.2	188.1	195.5	203.2	210.3
155°	155.6	157.7	161.3	164.9	169.9	175.9	181.7	187.3	193.5	199.9	205.9
157.5°	160.3	162.0	165.0	168.1	172.0	177.1	182.0	186.4	191.3	196.7	201.7
160°	163.1	164.5	167.0	169.9	173.1	177.7	182.0	185.6	189.9	194.2	198.8
162.5°	165.7	167.1	169.4	171.6	174.2	178.3	181.8	184.7	188.1	191.9	195.6
165°	169.2	170.3	172.0	173.5	175.6	178.4	181.3	183.5	185.6	188.4	191.3
167.5°	172.1	172.8	173.7	174.7	176.1	178.4	180.5	181.5	183.1	185.1	187.1
170°	173.8	174.2	174.9	175.6	176.6	178.4	179.9	180.6	181.7	183.1	184.9
172.5°	174.7	175.0	175.7	176.1	176.6	178.1	179.4	179.5	180.0	181.1	182.3
175°	175.9	176.3	176.6	176.6	176.6	177.7	178.4	178.1	178.1	178.4	179.6
177.5°	176.7	176.7	177.0	176.7	176.7	177.3	177.6	177.0	177.0	177.3	177.6
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1679.5	1683.8	1693.1	1689.8	1694.3	1696.4	1698.6
5°	1815.1	1836.9	1846.4	1845.1	1859.5	1856.0	1852.6
7.5°	1968.3	1991.3	2004.1	2020.0	2029.3	2029.9	2038.0
10°	2055.1	2085.1	2097.3	2114.4	2125.3	2131.4	2130.7
12.5°	2121.6	2145.1	2172.5	2180.9	2195.6	2203.3	2200.5
15°	2201.6	2239.1	2267.8	2282.0	2300.5	2305.9	2313.4
17.5°	2273.0	2323.3	2356.7	2401.2	2417.9	2428.1	2422.2
20°	2327.0	2393.2	2426.5	2479.7	2509.0	2524.7	2519.2
22.5°	2390.9	2462.4	2524.2	2570.2	2614.7	2635.9	2640.3
25°	2500.1	2598.3	2689.0	2749.7	2804.8	2817.7	2846.4
27.5°	2622.3	2738.0	2835.0	2898.7	2937.2	2951.6	2960.6
30°	2699.2	2814.4	2887.3	2928.2	2940.4	2939.1	2937.7
32.5°	2736.8	2808.9	2823.0	2811.5	2783.4	2759.7	2734.9
35°	2683.5	2629.7	2549.2	2445.6	2369.2	2292.3	2284.7
37.5°	2413.5	2241.3	2107.4	1957.8	1871.6	1818.3	1781.5
40°	2159.3	1963.7	1801.5	1675.4	1587.5	1552.7	1518.6
42.5°	1883.4	1696.6	1552.9	1447.4	1381.4	1342.8	1315.8
45°	1530.2	1365.2	1252.8	1176.5	1124.0	1094.0	1076.9
47.5°	1253.8	1131.9	1036.3	981.3	945.0	921.7	921.8
50°	1105.6	989.1	925.6	882.0	850.6	832.2	835.7
52.5°	974.1	887.1	832.9	796.4	773.3	761.9	761.5
55°	814.6	751.8	716.4	689.8	674.1	661.2	663.9
57.5°	696.7	643.9	620.2	598.0	587.1	582.0	574.4
60°	623.7	582.8	562.3	544.6	533.7	529.6	522.1
62.5°	558.8	526.6	506.8	492.2	482.4	481.1	475.2
65°	469.6	445.0	427.4	420.5	410.3	407.6	407.6
67.5°	387.2	369.6	355.8	349.5	345.1	345.7	342.4
70°	335.4	321.0	312.1	305.4	301.9	302.7	299.9
72.5°	293.4	277.4	269.6	265.6	261.1	262.9	261.8
75°	222.2	214.0	210.0	205.8	203.1	201.8	200.4
77.5°	163.2	155.9	152.8	150.5	150.9	147.6	150.3
80°	126.1	120.0	118.0	114.5	113.8	113.8	113.1
82.5°	92.3	88.9	87.4	84.5	83.3	84.4	82.6
85°	47.7	44.9	44.3	44.3	42.9	41.6	44.9
87.5°	18.8	16.7	16.9	16.3	16.3	15.9	14.7
90°	6.8	7.2	7.9	7.9	7.9	8.2	8.2
92.5°	45.8	34.5	29.3	24.7	23.8	23.3	22.7
95°	202.4	158.4	128.5	103.1	92.4	89.6	83.9
97.5°	344.2	301.3	259.6	237.6	217.6	207.3	202.7
100°	421.5	384.8	347.6	323.0	297.3	284.1	278.4
102.5°	468.9	451.3	426.2	399.8	381.5	367.2	362.9
105°	495.7	511.4	507.6	496.0	484.3	477.2	472.9
107.5°	471.8	512.1	530.8	536.5	536.5	534.1	531.3
110°	444.7	495.0	525.3	541.4	548.2	550.7	550.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	417.9	468.8	504.5	528.0	539.7	545.8	548.5
115°	379.4	428.3	467.2	495.0	512.1	522.1	526.7
117.5°	352.7	394.9	430.6	458.4	476.2	486.0	488.9
120°	337.6	376.9	408.3	434.7	451.8	461.5	464.3
122.5°	326.8	361.7	391.1	414.8	430.4	440.1	442.6
125°	312.3	343.4	369.0	389.0	403.6	411.5	415.1
127.5°	298.4	327.4	351.4	369.6	382.5	389.9	391.5
130°	288.7	316.6	339.8	357.6	369.4	376.6	378.7
132.5°	279.6	304.9	327.2	345.1	356.8	363.3	365.8
135°	265.5	288.4	308.7	324.5	336.2	342.6	344.8
137.5°	253.0	272.0	289.2	303.3	314.0	319.9	322.2
140°	245.5	262.0	276.9	290.1	299.4	304.8	306.6
142.5°	239.2	253.4	266.4	277.6	285.5	290.5	292.1
145°	231.3	242.4	252.0	260.5	266.6	270.5	272.0
147.5°	224.6	233.2	240.4	247.2	252.1	254.3	255.0
150°	221.0	227.7	234.1	239.4	243.8	245.2	245.5
152.5°	217.2	223.4	228.4	232.9	236.3	237.7	238.1
155°	211.7	216.6	220.6	224.1	226.6	227.7	228.0
157.5°	206.3	210.3	213.3	216.1	218.1	219.1	219.0
160°	202.4	205.9	208.4	211.0	212.7	213.4	213.1
162.5°	198.9	202.0	204.2	206.1	207.5	207.7	207.6
165°	193.8	195.9	197.7	199.1	199.9	199.9	199.9
167.5°	188.8	190.5	191.8	192.5	193.1	192.8	192.7
170°	185.9	187.0	187.7	188.4	188.8	188.8	188.4
172.5°	183.4	184.2	184.6	184.7	185.4	184.8	184.4
175°	179.6	180.3	180.3	180.3	180.6	179.9	179.6
177.5°	177.8	177.8	177.8	177.6	177.8	177.0	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0

(END OF REPORT)