

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: P333251-840

Luminaire Tested: **S125DIP-S1090D365U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333251-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
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-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5812.3 lumens
Efficiency: N/A
Efficacy: 133.6 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

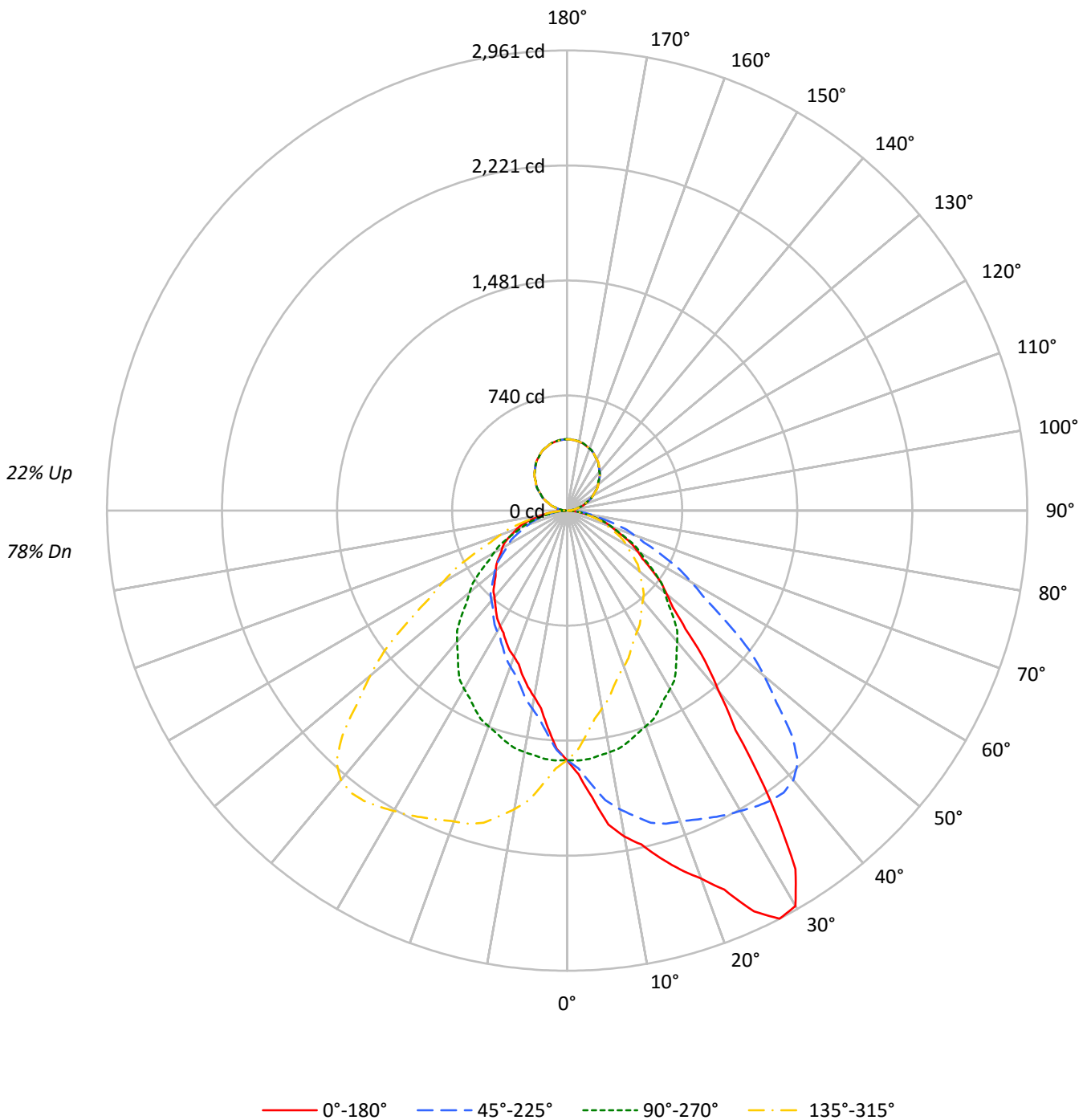
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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	109	109	109	109	99	99	99	90	90	90	82	82	82	78
1	104	100	96	93	100	96	92	89	87	85	82	80	78	76	73	71	70	66
2	95	88	82	76	91	84	78	74	77	73	69	71	67	64	65	62	59	56
3	87	78	70	64	83	74	67	62	68	63	58	63	58	54	58	54	51	48
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	52	47	44	41
5	74	62	53	47	70	59	52	46	55	48	43	50	45	41	47	42	39	36
6	68	56	47	41	65	53	46	40	49	43	38	46	40	36	42	38	34	32
7	63	50	42	36	60	48	41	35	45	38	34	42	36	32	39	34	30	28
8	59	46	38	32	56	44	37	32	41	35	30	38	33	29	36	31	27	25
9	55	42	34	29	52	41	33	28	38	31	27	35	30	26	33	28	25	23
10	51	39	31	26	49	37	30	26	35	29	24	33	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	2.7
10°-20°	460.3	7.9
20°-30°	747.4	12.9
30°-40°	911.7	15.7
40°-50°	829.4	14.3
50°-60°	660.6	11.4
60°-70°	460.1	7.9
70°-80°	245.4	4.2
80°-90°	62.9	1.1
90°-100°	30.7	0.5
100°-110°	90.7	1.6
110°-120°	153.6	2.6
120°-130°	202.2	3.5
130°-140°	226.6	3.9
140°-150°	222.1	3.8
150°-160°	186.5	3.2
160°-170°	124.0	2.1
170°-180°	43.4	0.7
0°-30°	1362.3	23.4
0°-40°	2274.0	39.1
0°-60°	3764.0	64.8
0°-90°	4532.5	78.0
90°-120°	275.1	4.7
90°-150°	925.9	15.9
90°-180°	1280.0	22.0
0°-180°	5812.3	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°	9	0	9	0	9	7
95°	31	23	31	23	31	31
105°	89	81	89	81	89	94
115°	155	154	155	154	155	154
125°	226	224	226	224	226	202
135°	293	292	293	292	293	226
145°	355	354	355	354	355	222
155°	405	405	405	405	405	186
165°	439	440	439	440	439	124
175°	456	458	456	458	456	43
180°	459	459	459	459	459	



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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°	14.8	15.9	16.4	16.3	16.8	16.8	18.8	18.8	20.3	21.8	23.9
90°	8.6	8.3	8.1	7.9	7.6	7.3	6.9	6.5	6.1	5.8	5.2
92.5°	16.9	16.7	16.5	16.4	16.2	15.8	15.2	14.7	14.2	13.7	13.0
95°	30.7	30.5	30.4	30.2	30.1	29.7	29.2	28.6	28.1	27.5	26.7
97.5°	46.6	46.5	46.4	46.3	46.2	45.8	45.3	44.8	44.3	43.7	42.6
100°	58.6	58.4	58.3	58.1	57.9	57.5	56.8	56.0	55.3	54.6	53.6
102.5°	70.5	70.3	70.1	69.9	69.7	69.2	68.4	67.6	66.9	66.0	65.5
105°	88.6	88.3	88.1	87.8	87.6	87.3	86.7	86.2	85.7	85.3	84.8
107.5°	106.9	106.9	106.9	106.9	107.0	106.8	106.6	106.4	106.1	105.9	105.5
110°	120.7	120.7	120.8	120.9	121.0	120.9	120.7	120.4	120.2	120.0	119.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	134.1	134.2	134.3	134.5	134.6	134.6	134.5	134.4	134.3	134.2	133.9
115°	155.2	155.3	155.4	155.5	155.6	155.6	155.7	155.8	155.9	156.0	155.8
117.5°	175.9	176.3	176.6	176.9	177.2	177.3	177.3	177.2	177.1	177.1	176.9
120°	190.3	190.6	190.9	191.2	191.5	191.7	191.7	191.7	191.7	191.7	191.6
122.5°	204.5	204.8	205.0	205.3	205.5	205.7	205.7	205.8	205.9	205.9	205.7
125°	225.9	226.0	226.1	226.2	226.2	226.4	226.5	226.7	226.8	227.0	226.9
127.5°	246.5	246.6	246.8	247.0	247.1	247.2	247.3	247.4	247.5	247.5	247.5
130°	260.2	260.3	260.5	260.6	260.8	260.9	261.1	261.2	261.2	261.3	261.2
132.5°	273.1	273.3	273.5	273.7	274.0	274.1	274.2	274.3	274.3	274.4	274.5
135°	293.1	293.4	293.7	294.0	294.3	294.5	294.5	294.5	294.5	294.5	294.4
137.5°	312.6	313.0	313.4	313.8	314.2	314.4	314.3	314.2	314.1	314.0	313.8
140°	325.2	325.6	326.0	326.4	326.8	326.9	326.7	326.6	326.4	326.2	326.0
142.5°	337.2	337.6	337.9	338.3	338.7	338.9	338.8	338.7	338.6	338.5	338.2
145°	355.2	355.4	355.6	355.9	356.1	356.2	356.2	356.2	356.2	356.2	356.0
147.5°	370.5	371.0	371.5	372.1	372.6	372.8	372.6	372.4	372.2	372.0	371.8
150°	381.9	382.0	382.2	382.4	382.5	382.6	382.6	382.6	382.6	382.6	382.3
152.5°	391.3	391.6	391.9	392.2	392.4	392.5	392.3	392.1	391.9	391.7	391.6
155°	404.8	405.2	405.6	406.0	406.4	406.4	406.1	405.8	405.5	405.2	405.1
157.5°	416.0	416.5	417.0	417.6	418.1	418.2	417.9	417.5	417.2	416.9	416.8
160°	423.6	424.0	424.4	424.9	425.3	425.3	425.0	424.6	424.3	424.0	423.9
162.5°	430.2	430.7	431.1	431.6	432.1	432.1	431.7	431.3	431.0	430.6	430.6
165°	439.0	439.5	440.0	440.4	440.9	441.0	440.7	440.4	440.1	439.7	439.7
167.5°	446.1	446.5	447.0	447.5	448.0	448.0	447.5	447.1	446.6	446.1	446.1
170°	449.7	450.3	450.8	451.4	451.9	452.0	451.5	451.0	450.6	450.1	450.1
172.5°	452.8	453.3	453.8	454.3	454.8	454.8	454.3	453.9	453.4	452.9	452.9
175°	455.8	456.4	456.9	457.5	458.0	458.1	457.6	457.1	456.7	456.2	456.2
177.5°	457.5	458.0	458.4	458.9	459.3	459.3	459.0	458.6	458.2	457.8	457.9
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



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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	13.3	12.8	13.5
90°	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4	1.0	1.6	2.2
92.5°	12.3	11.6	11.0	10.4	10.0	9.5	9.1	8.7	9.1	9.5	10.0
95°	25.9	25.1	24.3	23.8	23.6	23.5	23.3	23.2	23.3	23.5	23.6
97.5°	41.6	40.5	39.4	38.8	38.8	38.7	38.6	38.6	38.6	38.7	38.8
100°	52.5	51.5	50.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
102.5°	64.9	64.4	63.9	63.5	63.2	62.9	62.6	62.2	62.6	62.9	63.2
105°	84.3	83.9	83.4	83.0	82.6	82.2	81.8	81.4	81.8	82.2	82.6
107.5°	105.2	104.8	104.5	104.1	103.7	103.3	102.9	102.5	102.9	103.3	103.7
110°	119.5	119.2	119.0	118.7	118.3	117.9	117.4	117.0	117.4	117.9	118.3



TEST NUMBER: P333251-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	133.6	133.3	133.0	132.7	132.5	132.3	132.1	131.9	132.1	132.3	132.5
115°	155.6	155.5	155.3	155.1	154.8	154.5	154.1	153.8	154.1	154.5	154.8
117.5°	176.8	176.7	176.5	176.4	176.2	176.1	175.9	175.8	175.9	176.1	176.2
120°	191.5	191.5	191.4	191.1	190.8	190.4	190.0	189.6	190.0	190.4	190.8
122.5°	205.5	205.3	205.1	204.9	204.8	204.7	204.5	204.4	204.5	204.7	204.8
125°	226.8	226.8	226.7	226.4	225.9	225.5	225.0	224.5	225.0	225.5	225.9
127.5°	247.4	247.3	247.2	247.0	246.7	246.5	246.2	245.9	246.2	246.5	246.7
130°	260.9	260.7	260.6	260.3	259.9	259.5	259.1	258.7	259.1	259.5	259.9
132.5°	274.5	274.5	274.6	274.2	273.6	273.0	272.3	271.7	272.3	273.0	273.6
135°	294.3	294.3	294.2	293.9	293.4	293.0	292.5	292.0	292.5	293.0	293.4
137.5°	313.6	313.5	313.3	313.0	312.5	312.0	311.5	311.1	311.5	312.0	312.5
140°	325.8	325.5	325.3	325.0	324.6	324.2	323.8	323.4	323.8	324.2	324.6
142.5°	337.9	337.6	337.3	337.0	336.7	336.3	336.0	335.7	336.0	336.3	336.7
145°	355.8	355.5	355.3	355.0	354.7	354.4	354.1	353.8	354.1	354.4	354.7
147.5°	371.7	371.5	371.3	371.1	370.9	370.7	370.6	370.4	370.6	370.7	370.9
150°	382.0	381.6	381.3	381.2	381.3	381.4	381.5	381.5	381.5	381.4	381.3
152.5°	391.5	391.4	391.2	391.1	391.0	390.9	390.8	390.7	390.8	390.9	391.0
155°	405.0	404.9	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
157.5°	416.8	416.7	416.6	416.7	416.8	417.0	417.2	417.3	417.2	417.0	416.8
160°	423.8	423.8	423.7	423.8	424.0	424.2	424.5	424.7	424.5	424.2	424.0
162.5°	430.6	430.5	430.5	430.6	430.8	431.0	431.1	431.3	431.1	431.0	430.8
165°	439.6	439.5	439.4	439.5	439.6	439.8	439.9	440.1	439.9	439.8	439.6
167.5°	446.1	446.1	446.1	446.3	446.6	446.9	447.2	447.5	447.2	446.9	446.6
170°	450.1	450.1	450.1	450.2	450.6	450.9	451.2	451.5	451.2	450.9	450.6
172.5°	452.9	452.9	452.9	453.1	453.4	453.7	454.0	454.3	454.0	453.7	453.4
175°	456.2	456.2	456.2	456.4	456.7	457.0	457.3	457.6	457.3	457.0	456.7
177.5°	458.0	458.0	458.1	458.2	458.5	458.7	459.0	459.2	459.0	458.7	458.5
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333251-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A1

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	20.6
90°	2.9	3.5	4.0	4.6	5.2	5.8	6.1	6.5	6.9	7.3	7.6
92.5°	10.4	11.0	11.6	12.3	13.0	13.7	14.2	14.7	15.2	15.8	16.2
95°	23.8	24.3	25.1	25.9	26.7	27.5	28.1	28.6	29.2	29.7	30.1
97.5°	38.8	39.4	40.5	41.6	42.6	43.7	44.3	44.8	45.3	45.8	46.2
100°	50.0	50.5	51.5	52.5	53.6	54.6	55.3	56.0	56.8	57.5	57.9
102.5°	63.5	63.9	64.4	64.9	65.5	66.0	66.9	67.6	68.4	69.2	69.7
105°	83.0	83.4	83.9	84.3	84.8	85.3	85.7	86.2	86.7	87.3	87.6
107.5°	104.1	104.5	104.8	105.2	105.5	105.9	106.1	106.4	106.6	106.8	107.0
110°	118.7	119.0	119.2	119.5	119.7	120.0	120.2	120.4	120.7	120.9	121.0



TEST NUMBER: P333251-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	132.7	133.0	133.3	133.6	133.9	134.2	134.3	134.4	134.5	134.6	134.6
115°	155.1	155.3	155.5	155.6	155.8	156.0	155.9	155.8	155.7	155.6	155.6
117.5°	176.4	176.5	176.7	176.8	176.9	177.1	177.1	177.2	177.3	177.3	177.2
120°	191.1	191.4	191.5	191.5	191.6	191.7	191.7	191.7	191.7	191.7	191.5
122.5°	204.9	205.1	205.3	205.5	205.7	205.9	205.9	205.8	205.7	205.7	205.5
125°	226.4	226.7	226.8	226.8	226.9	227.0	226.8	226.7	226.5	226.4	226.2
127.5°	247.0	247.2	247.3	247.4	247.5	247.5	247.5	247.4	247.3	247.2	247.1
130°	260.3	260.6	260.7	260.9	261.2	261.3	261.2	261.2	261.1	260.9	260.8
132.5°	274.2	274.6	274.5	274.5	274.5	274.4	274.3	274.3	274.2	274.1	274.0
135°	293.9	294.2	294.3	294.3	294.4	294.5	294.5	294.5	294.5	294.5	294.3
137.5°	313.0	313.3	313.5	313.6	313.8	314.0	314.1	314.2	314.3	314.4	314.2
140°	325.0	325.3	325.5	325.8	326.0	326.2	326.4	326.6	326.7	326.9	326.8
142.5°	337.0	337.3	337.6	337.9	338.2	338.5	338.6	338.7	338.8	338.9	338.7
145°	355.0	355.3	355.5	355.8	356.0	356.2	356.2	356.2	356.2	356.2	356.1
147.5°	371.1	371.3	371.5	371.7	371.8	372.0	372.2	372.4	372.6	372.8	372.6
150°	381.2	381.3	381.6	382.0	382.3	382.6	382.6	382.6	382.6	382.6	382.5
152.5°	391.1	391.2	391.4	391.5	391.6	391.7	391.9	392.1	392.3	392.5	392.4
155°	404.8	404.8	404.9	405.0	405.1	405.2	405.5	405.8	406.1	406.4	406.4
157.5°	416.7	416.6	416.7	416.8	416.8	416.9	417.2	417.5	417.9	418.2	418.1
160°	423.8	423.7	423.8	423.8	423.9	424.0	424.3	424.6	425.0	425.3	425.3
162.5°	430.6	430.5	430.5	430.6	430.6	430.6	431.0	431.3	431.7	432.1	432.1
165°	439.5	439.4	439.5	439.6	439.7	439.7	440.1	440.4	440.7	441.0	440.9
167.5°	446.3	446.1	446.1	446.1	446.1	446.1	446.6	447.1	447.5	448.0	448.0
170°	450.2	450.1	450.1	450.1	450.1	450.1	450.6	451.0	451.5	452.0	451.9
172.5°	453.1	452.9	452.9	452.9	452.9	452.9	453.4	453.9	454.3	454.8	454.8
175°	456.4	456.2	456.2	456.2	456.2	456.2	456.7	457.1	457.6	458.1	458.0
177.5°	458.2	458.1	458.0	458.0	457.9	457.8	458.2	458.6	459.0	459.3	459.3
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333251-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A1

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	22.4	21.3	21.2	21.7	20.6	21.1	19.9	18.8
90°	7.9	8.1	8.3	8.6	8.3	8.1	7.9	7.6	7.3	6.9	6.5
92.5°	16.4	16.5	16.7	16.9	16.7	16.5	16.4	16.2	15.8	15.2	14.7
95°	30.2	30.4	30.5	30.7	30.5	30.4	30.2	30.1	29.7	29.2	28.6
97.5°	46.3	46.4	46.5	46.6	46.5	46.4	46.3	46.2	45.8	45.3	44.8
100°	58.1	58.3	58.4	58.6	58.4	58.3	58.1	57.9	57.5	56.8	56.0
102.5°	69.9	70.1	70.3	70.5	70.3	70.1	69.9	69.7	69.2	68.4	67.6
105°	87.8	88.1	88.3	88.6	88.3	88.1	87.8	87.6	87.3	86.7	86.2
107.5°	106.9	106.9	106.9	106.9	106.9	106.9	106.9	107.0	106.8	106.6	106.4
110°	120.9	120.8	120.7	120.7	120.7	120.8	120.9	121.0	120.9	120.7	120.4



TEST NUMBER: P333251-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	134.5	134.3	134.2	134.1	134.2	134.3	134.5	134.6	134.6	134.5	134.4
115°	155.5	155.4	155.3	155.2	155.3	155.4	155.5	155.6	155.6	155.7	155.8
117.5°	176.9	176.6	176.3	175.9	176.3	176.6	176.9	177.2	177.3	177.3	177.2
120°	191.2	190.9	190.6	190.3	190.6	190.9	191.2	191.5	191.7	191.7	191.7
122.5°	205.3	205.0	204.8	204.5	204.8	205.0	205.3	205.5	205.7	205.7	205.8
125°	226.2	226.1	226.0	225.9	226.0	226.1	226.2	226.2	226.4	226.5	226.7
127.5°	247.0	246.8	246.6	246.5	246.6	246.8	247.0	247.1	247.2	247.3	247.4
130°	260.6	260.5	260.3	260.2	260.3	260.5	260.6	260.8	260.9	261.1	261.2
132.5°	273.7	273.5	273.3	273.1	273.3	273.5	273.7	274.0	274.1	274.2	274.3
135°	294.0	293.7	293.4	293.1	293.4	293.7	294.0	294.3	294.5	294.5	294.5
137.5°	313.8	313.4	313.0	312.6	313.0	313.4	313.8	314.2	314.4	314.3	314.2
140°	326.4	326.0	325.6	325.2	325.6	326.0	326.4	326.8	326.9	326.7	326.6
142.5°	338.3	337.9	337.6	337.2	337.6	337.9	338.3	338.7	338.9	338.8	338.7
145°	355.9	355.6	355.4	355.2	355.4	355.6	355.9	356.1	356.2	356.2	356.2
147.5°	372.1	371.5	371.0	370.5	371.0	371.5	372.1	372.6	372.8	372.6	372.4
150°	382.4	382.2	382.0	381.9	382.0	382.2	382.4	382.5	382.6	382.6	382.6
152.5°	392.2	391.9	391.6	391.3	391.6	391.9	392.2	392.4	392.5	392.3	392.1
155°	406.0	405.6	405.2	404.8	405.2	405.6	406.0	406.4	406.4	406.1	405.8
157.5°	417.6	417.0	416.5	416.0	416.5	417.0	417.6	418.1	418.2	417.9	417.5
160°	424.9	424.4	424.0	423.6	424.0	424.4	424.9	425.3	425.3	425.0	424.6
162.5°	431.6	431.1	430.7	430.2	430.7	431.1	431.6	432.1	432.1	431.7	431.3
165°	440.4	440.0	439.5	439.0	439.5	440.0	440.4	440.9	441.0	440.7	440.4
167.5°	447.5	447.0	446.5	446.1	446.5	447.0	447.5	448.0	448.0	447.5	447.1
170°	451.4	450.8	450.3	449.7	450.3	450.8	451.4	451.9	452.0	451.5	451.0
172.5°	454.3	453.8	453.3	452.8	453.3	453.8	454.3	454.8	454.8	454.3	453.9
175°	457.5	456.9	456.4	455.8	456.4	456.9	457.5	458.0	458.1	457.6	457.1
177.5°	458.9	458.4	458.0	457.5	458.0	458.4	458.9	459.3	459.3	459.0	458.6
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333251-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A1

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	13.3	14.7
90°	6.1	5.8	5.2	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4
92.5°	14.2	13.7	13.0	12.3	11.6	11.0	10.4	10.0	9.5	9.1	8.7
95°	28.1	27.5	26.7	25.9	25.1	24.3	23.8	23.6	23.5	23.3	23.2
97.5°	44.3	43.7	42.6	41.6	40.5	39.4	38.8	38.8	38.7	38.6	38.6
100°	55.3	54.6	53.6	52.5	51.5	50.5	50.0	50.0	50.0	50.0	50.0
102.5°	66.9	66.0	65.5	64.9	64.4	63.9	63.5	63.2	62.9	62.6	62.2
105°	85.7	85.3	84.8	84.3	83.9	83.4	83.0	82.6	82.2	81.8	81.4
107.5°	106.1	105.9	105.5	105.2	104.8	104.5	104.1	103.7	103.3	102.9	102.5
110°	120.2	120.0	119.7	119.5	119.2	119.0	118.7	118.3	117.9	117.4	117.0



TEST NUMBER: P333251-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	134.3	134.2	133.9	133.6	133.3	133.0	132.7	132.5	132.3	132.1	131.9
115°	155.9	156.0	155.8	155.6	155.5	155.3	155.1	154.8	154.5	154.1	153.8
117.5°	177.1	177.1	176.9	176.8	176.7	176.5	176.4	176.2	176.1	175.9	175.8
120°	191.7	191.7	191.6	191.5	191.5	191.4	191.1	190.8	190.4	190.0	189.6
122.5°	205.9	205.9	205.7	205.5	205.3	205.1	204.9	204.8	204.7	204.5	204.4
125°	226.8	227.0	226.9	226.8	226.8	226.7	226.4	225.9	225.5	225.0	224.5
127.5°	247.5	247.5	247.5	247.4	247.3	247.2	247.0	246.7	246.5	246.2	245.9
130°	261.2	261.3	261.2	260.9	260.7	260.6	260.3	259.9	259.5	259.1	258.7
132.5°	274.3	274.4	274.5	274.5	274.5	274.6	274.2	273.6	273.0	272.3	271.7
135°	294.5	294.5	294.4	294.3	294.3	294.2	293.9	293.4	293.0	292.5	292.0
137.5°	314.1	314.0	313.8	313.6	313.5	313.3	313.0	312.5	312.0	311.5	311.1
140°	326.4	326.2	326.0	325.8	325.5	325.3	325.0	324.6	324.2	323.8	323.4
142.5°	338.6	338.5	338.2	337.9	337.6	337.3	337.0	336.7	336.3	336.0	335.7
145°	356.2	356.2	356.0	355.8	355.5	355.3	355.0	354.7	354.4	354.1	353.8
147.5°	372.2	372.0	371.8	371.7	371.5	371.3	371.1	370.9	370.7	370.6	370.4
150°	382.6	382.6	382.3	382.0	381.6	381.3	381.2	381.3	381.4	381.5	381.5
152.5°	391.9	391.7	391.6	391.5	391.4	391.2	391.1	391.0	390.9	390.8	390.7
155°	405.5	405.2	405.1	405.0	404.9	404.8	404.8	404.8	404.8	404.8	404.8
157.5°	417.2	416.9	416.8	416.8	416.7	416.6	416.7	416.8	417.0	417.2	417.3
160°	424.3	424.0	423.9	423.8	423.8	423.7	423.8	424.0	424.2	424.5	424.7
162.5°	431.0	430.6	430.6	430.6	430.5	430.5	430.6	430.8	431.0	431.1	431.3
165°	440.1	439.7	439.7	439.6	439.5	439.4	439.5	439.6	439.8	439.9	440.1
167.5°	446.6	446.1	446.1	446.1	446.1	446.1	446.3	446.6	446.9	447.2	447.5
170°	450.6	450.1	450.1	450.1	450.1	450.1	450.2	450.6	450.9	451.2	451.5
172.5°	453.4	452.9	452.9	452.9	452.9	452.9	453.1	453.4	453.7	454.0	454.3
175°	456.7	456.2	456.2	456.2	456.2	456.2	456.4	456.7	457.0	457.3	457.6
177.5°	458.2	457.8	457.9	458.0	458.0	458.1	458.2	458.5	458.7	459.0	459.2
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333251-840

CATALOG NUMBER: S125DIP-S1090D365U840-4F0-1E-UDD-A1

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°	1.0	1.6	2.2	2.9	3.5	4.0	4.6	5.2	5.8	6.1	6.5
92.5°	9.1	9.5	10.0	10.4	11.0	11.6	12.3	13.0	13.7	14.2	14.7
95°	23.3	23.5	23.6	23.8	24.3	25.1	25.9	26.7	27.5	28.1	28.6
97.5°	38.6	38.7	38.8	38.8	39.4	40.5	41.6	42.6	43.7	44.3	44.8
100°	50.0	50.0	50.0	50.0	50.5	51.5	52.5	53.6	54.6	55.3	56.0
102.5°	62.6	62.9	63.2	63.5	63.9	64.4	64.9	65.5	66.0	66.9	67.6
105°	81.8	82.2	82.6	83.0	83.4	83.9	84.3	84.8	85.3	85.7	86.2
107.5°	102.9	103.3	103.7	104.1	104.5	104.8	105.2	105.5	105.9	106.1	106.4
110°	117.4	117.9	118.3	118.7	119.0	119.2	119.5	119.7	120.0	120.2	120.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	132.1	132.3	132.5	132.7	133.0	133.3	133.6	133.9	134.2	134.3	134.4
115°	154.1	154.5	154.8	155.1	155.3	155.5	155.6	155.8	156.0	155.9	155.8
117.5°	175.9	176.1	176.2	176.4	176.5	176.7	176.8	176.9	177.1	177.1	177.2
120°	190.0	190.4	190.8	191.1	191.4	191.5	191.5	191.6	191.7	191.7	191.7
122.5°	204.5	204.7	204.8	204.9	205.1	205.3	205.5	205.7	205.9	205.9	205.8
125°	225.0	225.5	225.9	226.4	226.7	226.8	226.8	226.9	227.0	226.8	226.7
127.5°	246.2	246.5	246.7	247.0	247.2	247.3	247.4	247.5	247.5	247.5	247.4
130°	259.1	259.5	259.9	260.3	260.6	260.7	260.9	261.2	261.3	261.2	261.2
132.5°	272.3	273.0	273.6	274.2	274.6	274.5	274.5	274.5	274.4	274.3	274.3
135°	292.5	293.0	293.4	293.9	294.2	294.3	294.3	294.4	294.5	294.5	294.5
137.5°	311.5	312.0	312.5	313.0	313.3	313.5	313.6	313.8	314.0	314.1	314.2
140°	323.8	324.2	324.6	325.0	325.3	325.5	325.8	326.0	326.2	326.4	326.6
142.5°	336.0	336.3	336.7	337.0	337.3	337.6	337.9	338.2	338.5	338.6	338.7
145°	354.1	354.4	354.7	355.0	355.3	355.5	355.8	356.0	356.2	356.2	356.2
147.5°	370.6	370.7	370.9	371.1	371.3	371.5	371.7	371.8	372.0	372.2	372.4
150°	381.5	381.4	381.3	381.2	381.3	381.6	382.0	382.3	382.6	382.6	382.6
152.5°	390.8	390.9	391.0	391.1	391.2	391.4	391.5	391.6	391.7	391.9	392.1
155°	404.8	404.8	404.8	404.8	404.8	404.9	405.0	405.1	405.2	405.5	405.8
157.5°	417.2	417.0	416.8	416.7	416.6	416.7	416.8	416.8	416.9	417.2	417.5
160°	424.5	424.2	424.0	423.8	423.7	423.8	423.8	423.9	424.0	424.3	424.6
162.5°	431.1	431.0	430.8	430.6	430.5	430.5	430.6	430.6	430.6	431.0	431.3
165°	439.9	439.8	439.6	439.5	439.4	439.5	439.6	439.7	439.7	440.1	440.4
167.5°	447.2	446.9	446.6	446.3	446.1	446.1	446.1	446.1	446.1	446.6	447.1
170°	451.2	450.9	450.6	450.2	450.1	450.1	450.1	450.1	450.1	450.6	451.0
172.5°	454.0	453.7	453.4	453.1	452.9	452.9	452.9	452.9	452.9	453.4	453.9
175°	457.3	457.0	456.7	456.4	456.2	456.2	456.2	456.2	456.2	456.7	457.1
177.5°	459.0	458.7	458.5	458.2	458.1	458.0	458.0	457.9	457.8	458.2	458.6
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



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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	16.8	16.8	16.3	16.4	15.9	14.8
90°	6.9	7.3	7.6	7.9	8.1	8.3	8.6
92.5°	15.2	15.8	16.2	16.4	16.5	16.7	16.9
95°	29.2	29.7	30.1	30.2	30.4	30.5	30.7
97.5°	45.3	45.8	46.2	46.3	46.4	46.5	46.6
100°	56.8	57.5	57.9	58.1	58.3	58.4	58.6
102.5°	68.4	69.2	69.7	69.9	70.1	70.3	70.5
105°	86.7	87.3	87.6	87.8	88.1	88.3	88.6
107.5°	106.6	106.8	107.0	106.9	106.9	106.9	106.9
110°	120.7	120.9	121.0	120.9	120.8	120.7	120.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	134.5	134.6	134.6	134.5	134.3	134.2	134.1
115°	155.7	155.6	155.6	155.5	155.4	155.3	155.2
117.5°	177.3	177.3	177.2	176.9	176.6	176.3	175.9
120°	191.7	191.7	191.5	191.2	190.9	190.6	190.3
122.5°	205.7	205.7	205.5	205.3	205.0	204.8	204.5
125°	226.5	226.4	226.2	226.2	226.1	226.0	225.9
127.5°	247.3	247.2	247.1	247.0	246.8	246.6	246.5
130°	261.1	260.9	260.8	260.6	260.5	260.3	260.2
132.5°	274.2	274.1	274.0	273.7	273.5	273.3	273.1
135°	294.5	294.5	294.3	294.0	293.7	293.4	293.1
137.5°	314.3	314.4	314.2	313.8	313.4	313.0	312.6
140°	326.7	326.9	326.8	326.4	326.0	325.6	325.2
142.5°	338.8	338.9	338.7	338.3	337.9	337.6	337.2
145°	356.2	356.2	356.1	355.9	355.6	355.4	355.2
147.5°	372.6	372.8	372.6	372.1	371.5	371.0	370.5
150°	382.6	382.6	382.5	382.4	382.2	382.0	381.9
152.5°	392.3	392.5	392.4	392.2	391.9	391.6	391.3
155°	406.1	406.4	406.4	406.0	405.6	405.2	404.8
157.5°	417.9	418.2	418.1	417.6	417.0	416.5	416.0
160°	425.0	425.3	425.3	424.9	424.4	424.0	423.6
162.5°	431.7	432.1	432.1	431.6	431.1	430.7	430.2
165°	440.7	441.0	440.9	440.4	440.0	439.5	439.0
167.5°	447.5	448.0	448.0	447.5	447.0	446.5	446.1
170°	451.5	452.0	451.9	451.4	450.8	450.3	449.7
172.5°	454.3	454.8	454.8	454.3	453.8	453.3	452.8
175°	457.6	458.1	458.0	457.5	456.9	456.4	455.8
177.5°	459.0	459.3	459.3	458.9	458.4	458.0	457.5
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7

(END OF REPORT)