

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: P331719

Luminaire Tested: **S122RDIP-S865D725U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331719
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIP-S865D725U835-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6132.4 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

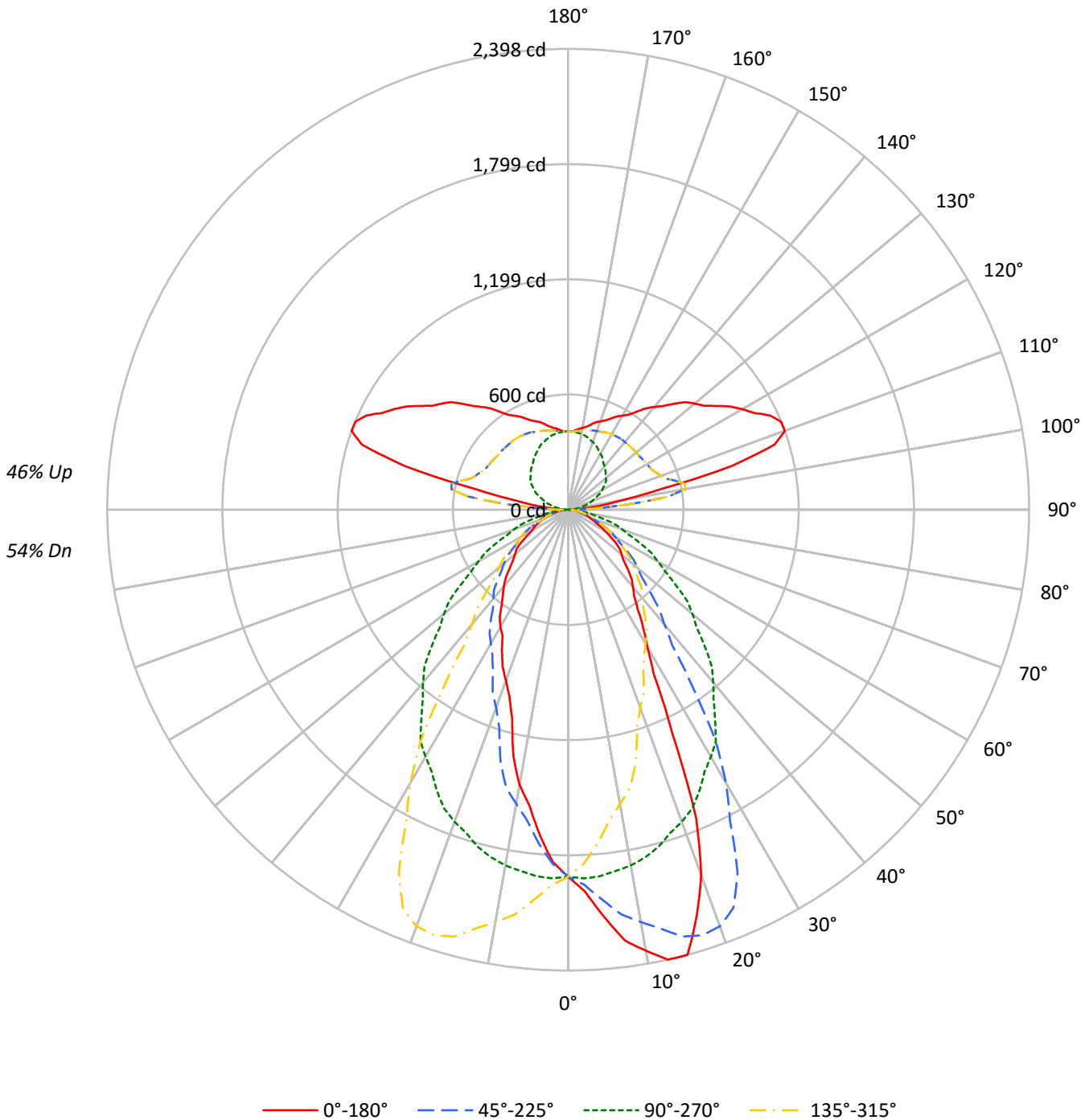
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54
1	99	95	92	89	92	89	86	83	76	74	72	65	63	62	54	53	52	47
2	91	84	79	74	85	79	74	69	68	64	61	58	55	53	49	47	45	41
3	84	75	68	63	78	70	64	59	61	56	52	52	49	46	44	42	40	36
4	77	67	60	54	72	63	56	51	55	49	45	47	43	40	40	37	35	31
5	71	60	53	47	66	57	50	45	49	44	40	43	39	35	36	33	31	28
6	66	55	47	41	61	51	44	39	45	39	35	39	35	32	33	30	28	25
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23
8	57	45	38	33	53	43	36	31	38	32	29	33	29	26	29	25	23	21
9	53	42	34	30	50	39	33	28	35	30	26	31	26	23	27	23	21	19
10	50	38	32	27	47	36	30	26	32	27	24	29	24	21	25	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30832	30832	30832	30832
5°	34434	31024	27509	31024
10°	38203	30808	23845	30808
15°	40082	30355	18788	30355
20°	34749	29687	16258	29687
25°	22789	28771	14516	28771
30°	15340	27660	13136	27660
35°	12423	26260	11848	26260
40°	11049	24738	10964	24738
45°	9999	22952	9787	22952
50°	9100	21182	9065	21182
55°	8555	19220	8442	19220
60°	7156	17418	7072	17418
65°	6032	15817	6842	15817
70°	5575	14124	6453	14124
75°	5215	12296	5958	12296
80°	4816	10116	5309	10116
85°	4428	7984	4668	7984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	3.0
10°-20°	504.4	8.2
20°-30°	650.0	10.6
30°-40°	617.7	10.1
40°-50°	529.1	8.6
50°-60°	402.9	6.6
60°-70°	254.7	4.2
70°-80°	127.2	2.1
80°-90°	36.8	0.6
90°-100°	162.5	2.7
100°-110°	551.5	9.0
110°-120°	585.9	9.6
120°-130°	482.3	7.9
130°-140°	387.3	6.3
140°-150°	292.7	4.8
150°-160°	205.7	3.4
160°-170°	121.1	2.0
170°-180°	39.4	0.6
0°-30°	1335.4	21.8
0°-40°	1953.1	31.8
0°-60°	2885.1	47.0
0°-90°	3303.8	53.9
90°-120°	1300.0	21.2
90°-150°	2462.4	40.2
90°-180°	2829.0	46.1
0°-180°	6132.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1910	1910	1910	1910	1910	
5°	2125	1914	1697	1914	2125	210
15°	2398	1816	1124	1816	2398	647
25°	1279	1615	815	1615	1279	607
35°	630	1332	601	1332	630	403
45°	438	1005	429	1005	438	339
55°	304	683	300	683	304	267
65°	158	414	179	414	158	161
75°	84	197	96	197	84	89
85°	24	43	25	43	24	26
90°	26	1	26	1	26	15
95°	89	27	89	27	89	116
105°	881	95	881	95	881	852
115°	1159	168	1159	168	1159	1135
125°	940	234	940	234	940	850
135°	779	275	779	275	779	605
145°	622	314	622	314	622	395
155°	523	357	523	357	523	244
165°	459	389	459	389	459	131
175°	414	406	414	406	414	40
180°	406	406	406	406	406	



TEST NUMBER: P331719

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1987.1	1988.7	1990.3	1986.5	1986.5	1983.4	1976.5	1971.2	1956.3	1954.2	1954.2
5°	2124.6	2123.2	2125.9	2117.3	2105.3	2102.7	2090.1	2073.5	2056.2	2037.0	2033.0
7.5°	2261.2	2259.2	2253.9	2252.5	2243.3	2223.3	2203.0	2181.4	2152.7	2124.7	2110.6
10°	2330.2	2352.1	2338.9	2315.6	2320.3	2289.1	2272.5	2244.0	2220.1	2178.3	2169.0
12.5°	2398.2	2406.8	2402.6	2389.4	2383.5	2361.8	2339.4	2314.6	2270.5	2233.0	2200.3
15°	2397.9	2410.5	2413.8	2409.9	2413.2	2411.9	2399.9	2379.3	2340.9	2299.7	2263.9
17.5°	2220.9	2229.7	2251.4	2266.1	2284.7	2324.0	2343.4	2350.9	2345.2	2321.7	2296.5
20°	2022.4	2007.8	2068.8	2100.0	2126.5	2192.9	2250.0	2271.9	2307.0	2306.4	2299.7
22.5°	1741.0	1744.5	1802.4	1839.4	1916.9	1983.2	2048.3	2130.7	2198.7	2243.7	2270.0
25°	1279.2	1304.5	1362.2	1412.6	1498.9	1622.3	1734.4	1864.5	1987.2	2084.1	2176.3
27.5°	960.8	962.6	1008.4	1055.0	1106.2	1207.3	1348.5	1503.8	1678.8	1823.2	1989.3
30°	822.8	818.8	838.0	866.5	910.3	988.6	1094.8	1247.4	1421.9	1639.5	1833.3
32.5°	725.1	725.3	739.8	760.9	797.3	850.1	922.8	1046.8	1211.7	1425.6	1652.8
35°	630.3	629.7	640.3	655.5	670.8	704.6	754.4	819.4	932.9	1132.6	1364.8
37.5°	562.4	565.3	570.5	580.0	596.9	615.7	645.6	689.3	770.1	888.2	1083.4
40°	524.2	525.5	532.8	540.8	550.7	565.3	589.9	625.0	684.1	778.3	920.9
42.5°	489.1	490.5	495.6	503.1	510.9	525.5	545.8	576.2	624.1	697.6	815.3
45°	437.9	437.9	442.6	445.9	454.5	467.8	484.4	509.6	542.7	597.2	675.5
47.5°	389.9	390.0	393.1	398.8	404.2	414.6	430.9	451.5	475.6	517.7	584.6
50°	362.3	362.9	364.9	369.6	372.9	382.2	394.8	412.7	437.9	470.4	526.2
52.5°	340.0	339.6	342.1	344.1	346.4	353.0	362.4	378.2	400.8	429.0	475.2
55°	303.9	301.2	305.2	308.5	310.5	313.2	318.5	328.4	347.7	371.6	406.1
57.5°	258.8	257.7	260.5	263.5	269.8	276.9	281.5	287.8	297.8	314.9	349.1
60°	221.6	221.6	227.6	229.6	236.9	246.2	255.5	260.8	270.7	282.0	307.2
62.5°	188.7	189.2	192.0	194.0	198.1	209.5	222.5	234.2	243.6	254.4	271.1
65°	157.9	159.2	159.2	160.6	163.2	165.9	171.2	180.5	197.1	212.3	224.9
67.5°	134.0	134.4	134.8	136.2	136.8	139.7	141.9	146.0	149.8	164.3	179.9
70°	118.1	120.1	119.4	120.8	121.4	122.7	125.4	127.4	133.4	136.7	146.0
72.5°	103.2	104.7	104.6	105.4	107.1	107.4	109.5	111.5	115.3	118.1	123.1
75°	83.6	82.9	83.6	84.9	85.6	86.3	86.3	88.9	90.9	93.6	96.9
77.5°	64.5	65.2	65.0	65.2	65.3	66.5	66.4	67.5	69.5	70.9	72.5
80°	51.8	52.4	51.8	52.4	53.1	53.7	53.1	53.7	55.7	57.1	57.1
82.5°	40.1	40.2	40.6	40.7	40.9	41.0	41.9	42.1	43.5	43.3	43.8
85°	23.9	23.2	23.2	23.2	23.9	24.5	23.9	23.9	24.5	24.5	24.5
87.5°	13.7	14.2	14.2	14.2	14.2	14.0	13.7	14.6	14.2	14.9	14.2
90°	25.8	25.8	25.8	25.8	25.8	25.0	23.5	25.0	25.8	26.6	25.8
92.5°	43.3	44.6	43.9	46.4	47.1	51.9	58.5	68.2	85.8	101.6	100.2
95°	89.1	88.3	90.7	96.9	107.1	124.3	157.1	204.8	268.1	306.4	271.3
97.5°	175.4	182.0	193.4	212.6	250.0	306.4	391.0	477.9	548.8	523.1	394.0
100°	279.8	293.9	316.6	350.2	415.1	509.7	616.8	713.7	730.1	617.5	425.2
102.5°	492.5	511.5	539.8	597.2	667.7	767.9	846.3	868.2	797.6	620.7	413.4
105°	881.0	891.9	925.5	974.0	1022.5	1048.3	1038.1	949.8	787.2	579.2	390.1
107.5°	1125.3	1139.9	1146.6	1149.3	1143.2	1105.3	1024.0	891.0	718.5	534.8	378.5
110°	1199.1	1199.9	1192.9	1178.0	1144.4	1080.3	980.3	840.3	675.4	513.6	376.0



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1197.9	1193.7	1180.4	1155.5	1108.8	1035.3	928.3	794.1	645.4	499.8	376.6
115°	1159.3	1152.2	1131.9	1095.9	1040.4	959.9	857.5	737.1	608.2	484.7	379.9
117.5°	1090.3	1084.4	1063.0	1025.0	968.4	892.9	800.0	694.3	584.7	477.3	385.5
120°	1045.9	1038.1	1015.4	978.7	924.0	852.8	770.0	673.0	572.2	472.9	389.3
122.5°	999.6	993.1	972.9	936.8	887.7	823.4	745.0	656.2	561.6	470.4	393.7
125°	940.4	934.1	914.6	884.9	839.5	780.9	712.1	631.6	546.4	465.9	400.2
127.5°	888.5	883.5	866.6	838.8	799.2	745.1	680.2	607.4	532.3	463.2	407.0
130°	859.1	852.8	837.2	810.6	772.3	720.7	659.0	591.7	523.0	462.0	412.0
132.5°	828.4	822.8	808.4	781.9	744.2	695.7	639.0	576.7	515.5	461.4	417.0
135°	779.4	776.2	762.2	736.4	702.7	659.0	607.4	555.8	505.0	460.4	422.9
137.5°	731.2	726.5	714.2	692.0	661.3	623.2	582.2	539.1	497.6	460.3	428.2
140°	698.1	693.4	681.6	661.3	636.3	601.9	566.0	528.4	493.3	459.6	430.7
142.5°	664.9	664.0	653.5	635.1	611.3	582.5	551.6	519.7	488.9	459.6	432.6
145°	622.2	619.9	612.1	598.8	580.0	557.4	533.1	507.3	483.1	458.1	434.6
147.5°	586.4	585.0	579.7	569.1	553.6	537.0	518.1	497.8	477.2	455.3	435.3
150°	565.2	564.4	559.7	550.3	538.6	524.5	508.1	490.9	472.1	453.4	434.6
152.5°	547.0	546.9	543.4	535.3	526.1	513.9	500.0	484.0	467.8	450.3	433.4
155°	523.0	524.5	521.4	515.9	507.3	498.7	487.0	474.5	459.6	444.8	431.5
157.5°	502.5	502.5	501.1	496.5	490.4	483.7	473.9	463.4	452.0	439.2	427.9
160°	489.3	489.3	488.6	484.7	479.2	473.7	465.1	456.5	446.4	435.4	426.0
162.5°	476.8	477.5	476.7	474.0	468.6	464.3	457.0	449.6	441.3	432.3	424.2
165°	458.9	459.6	459.6	456.5	453.4	450.3	444.8	439.3	433.1	426.0	420.6
167.5°	442.3	443.2	443.4	441.7	440.3	437.4	433.7	429.5	424.9	420.6	417.0
170°	432.3	433.8	434.6	432.3	431.5	429.9	426.8	424.5	420.6	417.4	415.1
172.5°	424.2	425.1	425.9	424.8	424.0	423.1	420.6	418.8	416.2	413.7	412.6
175°	413.5	415.1	415.9	415.1	415.1	414.3	413.5	412.7	410.4	409.6	408.8
177.5°	407.1	408.4	409.0	409.0	409.0	409.0	408.4	408.4	407.1	406.5	407.1
180°	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1955.2	1951.0	1947.3	1937.7	1932.9	1922.3	1920.7	1920.2	1906.4	1893.1	1889.4
5°	2022.4	2011.8	1995.8	1977.3	1958.0	1938.1	1924.8	1914.2	1887.7	1862.5	1847.9
7.5°	2090.1	2067.2	2039.8	2004.6	1975.3	1942.4	1917.9	1896.0	1858.4	1822.3	1798.0
10°	2140.5	2103.3	2066.8	2018.4	1980.6	1943.4	1908.9	1879.1	1836.6	1788.8	1755.0
12.5°	2171.8	2130.9	2080.6	2033.3	1984.3	1937.0	1890.9	1852.5	1802.6	1753.3	1713.0
15°	2214.1	2170.3	2109.3	2041.6	1978.6	1916.9	1863.8	1816.0	1751.0	1691.9	1642.8
17.5°	2248.8	2188.5	2123.0	2044.7	1971.7	1893.3	1824.9	1763.9	1691.5	1620.3	1562.4
20°	2259.9	2200.2	2124.6	2046.3	1960.0	1867.8	1794.1	1727.8	1650.1	1572.5	1506.2
22.5°	2253.0	2206.6	2122.4	2028.7	1940.4	1843.9	1760.7	1683.7	1597.6	1518.4	1441.4
25°	2206.2	2190.2	2110.6	2008.4	1907.6	1795.5	1699.2	1615.0	1516.8	1431.9	1348.2
27.5°	2097.0	2131.3	2082.0	1973.1	1861.0	1740.8	1632.6	1536.7	1434.8	1339.2	1255.9
30°	1991.9	2070.8	2049.6	1948.7	1823.3	1705.2	1583.8	1483.6	1374.8	1276.6	1194.3
32.5°	1848.0	1978.4	1999.2	1914.8	1785.1	1655.3	1528.1	1428.4	1314.8	1211.3	1131.1
35°	1619.0	1814.0	1903.6	1849.9	1719.8	1579.8	1448.4	1332.3	1218.2	1116.0	1036.4
37.5°	1345.7	1611.4	1760.7	1764.5	1645.1	1499.5	1356.5	1241.2	1124.4	1024.1	937.9
40°	1168.4	1456.4	1650.8	1693.9	1593.1	1435.8	1291.2	1173.7	1059.6	961.4	862.6
42.5°	1009.2	1296.1	1535.1	1610.1	1529.9	1373.7	1228.6	1105.8	994.9	902.0	801.0
45°	816.1	1066.9	1330.3	1464.4	1419.9	1275.3	1122.0	1005.2	901.0	820.8	723.9
47.5°	688.5	865.2	1120.1	1301.4	1300.6	1168.6	1017.8	906.0	809.3	734.1	655.7
50°	615.7	769.7	985.3	1191.0	1208.2	1097.4	954.1	843.3	753.1	674.1	611.1
52.5°	550.4	677.3	871.2	1068.4	1117.5	1021.5	882.5	780.2	692.6	620.0	566.0
55°	465.1	563.3	710.6	895.1	969.4	901.7	778.3	682.8	611.8	550.7	504.3
57.5°	393.5	467.1	585.3	733.8	820.4	777.8	676.0	598.4	537.6	482.4	445.7
60°	348.3	408.7	508.9	633.0	728.5	698.7	611.8	539.4	487.7	439.9	405.4
62.5°	305.9	357.8	443.6	544.3	631.9	619.6	548.6	487.9	442.6	399.0	369.8
65°	246.2	284.0	351.0	430.0	500.3	506.3	455.2	414.0	373.6	339.1	313.2
67.5°	196.0	220.7	267.9	334.4	387.1	405.9	374.7	343.3	311.2	284.5	262.1
70°	165.2	185.1	219.6	273.4	321.8	341.7	323.8	299.2	271.4	249.5	230.2
72.5°	133.9	153.3	178.7	218.2	259.7	281.2	275.0	257.3	234.7	216.6	198.4
75°	100.9	106.8	124.1	150.6	183.1	201.7	206.4	197.1	179.1	165.2	154.6
77.5°	74.6	78.2	86.4	100.3	121.6	138.1	144.9	143.8	131.5	123.4	113.5
80°	59.7	61.7	65.7	71.7	87.6	104.2	108.8	108.8	100.2	96.9	86.9
82.5°	45.4	46.8	49.2	52.5	60.0	74.4	79.6	80.7	75.2	70.9	63.0
85°	25.9	25.2	26.5	28.5	29.9	33.8	41.8	43.1	41.8	36.5	34.5
87.5°	13.2	12.7	11.9	10.9	11.1	11.3	13.4	15.5	13.9	12.9	12.2
90°	21.1	15.6	11.7	9.4	7.8	6.3	3.1	0.8	3.1	6.3	7.8
92.5°	78.0	53.2	35.5	28.1	22.8	19.4	13.8	9.5	13.8	19.4	22.8
95°	180.6	112.6	76.6	57.8	45.3	38.3	30.5	27.4	30.5	38.3	45.3
97.5°	243.3	148.5	103.3	82.1	67.7	57.1	48.8	44.6	48.8	57.1	67.7
100°	256.4	161.0	119.6	97.7	82.1	69.6	62.5	60.2	62.5	69.6	82.1
102.5°	257.0	172.3	134.0	112.1	95.8	83.3	76.3	74.6	76.3	83.3	95.8
105°	261.1	191.5	154.8	132.9	115.7	104.0	98.5	95.4	98.5	104.0	115.7
107.5°	271.9	211.2	175.6	153.5	136.5	125.7	120.4	117.9	120.4	125.7	136.5
110°	280.6	224.3	190.0	167.3	150.9	140.7	136.0	132.9	136.0	140.7	150.9



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	290.0	236.9	203.7	180.4	164.6	155.1	149.8	146.6	149.8	155.1	164.6
115°	304.1	256.4	222.8	201.7	186.0	176.7	172.0	168.1	172.0	176.7	186.0
117.5°	319.1	274.4	243.3	221.4	206.4	198.1	193.4	190.3	193.4	198.1	206.4
120°	329.1	286.9	256.4	234.5	218.9	211.8	207.2	204.0	207.2	211.8	218.9
122.5°	337.9	298.8	270.2	247.6	232.0	224.3	219.7	217.2	219.7	224.3	232.0
125°	351.8	316.6	288.4	266.6	250.9	241.5	236.9	234.5	236.9	241.5	250.9
127.5°	364.7	333.2	305.8	283.3	268.3	258.0	251.4	248.3	251.4	258.0	268.3
130°	372.9	343.2	315.8	293.9	278.3	267.3	259.5	256.4	259.5	267.3	278.3
132.5°	381.0	351.9	325.8	303.9	287.7	276.1	267.7	263.9	267.7	276.1	287.7
135°	391.6	364.3	339.3	317.4	299.4	287.7	278.3	275.2	278.3	287.7	299.4
137.5°	399.8	374.3	349.6	329.3	311.4	298.9	289.5	285.8	289.5	298.9	311.4
140°	404.1	379.9	356.5	336.1	318.9	306.4	297.0	293.9	297.0	306.4	318.9
142.5°	407.9	384.3	361.5	342.4	325.8	313.3	304.6	302.0	304.6	313.3	325.8
145°	412.7	390.9	369.7	352.5	336.9	325.2	317.4	314.2	317.4	325.2	336.9
147.5°	415.4	396.2	376.3	361.0	348.0	337.2	329.7	327.4	329.7	337.2	348.0
150°	416.6	398.7	380.7	366.6	354.9	344.7	338.5	336.1	338.5	344.7	354.9
152.5°	417.3	401.2	385.1	372.2	361.1	352.2	346.0	344.9	346.0	352.2	361.1
155°	418.2	404.9	391.6	379.9	371.3	362.7	358.0	357.2	358.0	362.7	371.3
157.5°	418.2	407.6	396.3	386.5	379.6	372.1	368.3	367.6	368.3	372.1	379.6
160°	418.2	408.8	399.4	390.9	384.6	378.3	375.2	374.4	375.2	378.3	384.6
162.5°	417.6	409.5	401.3	394.6	389.0	384.0	380.8	381.3	380.8	384.0	389.0
165°	415.9	410.4	403.4	398.7	394.8	390.1	388.5	389.3	388.5	390.1	394.8
167.5°	414.8	410.2	405.1	402.1	399.3	396.3	394.9	395.9	394.9	396.3	399.3
170°	413.5	409.6	405.7	403.4	401.8	399.4	398.7	400.2	398.7	399.4	401.8
172.5°	411.6	409.0	406.3	404.6	403.7	401.3	401.8	402.7	401.8	401.3	403.7
175°	409.6	408.0	406.5	405.7	405.7	404.1	404.9	405.7	404.9	404.1	405.7
177.5°	408.4	407.1	406.5	406.5	406.5	405.2	405.9	407.1	405.9	405.2	406.5
180°	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1882.5	1878.8	1871.9	1861.3	1854.9	1843.8	1836.3	1840.6	1841.6	1840.6	1839.5
5°	1831.9	1818.0	1798.8	1780.2	1762.9	1744.4	1733.7	1729.1	1719.8	1714.5	1711.9
7.5°	1770.8	1746.8	1719.5	1687.2	1659.7	1630.9	1616.2	1608.9	1589.9	1579.5	1570.5
10°	1725.1	1687.3	1660.1	1617.6	1591.8	1553.9	1528.1	1528.7	1502.8	1488.2	1477.6
12.5°	1674.7	1633.2	1587.9	1549.7	1513.7	1483.3	1452.2	1439.5	1412.1	1398.0	1369.3
15°	1591.1	1542.7	1494.9	1443.1	1406.6	1359.5	1314.4	1259.3	1214.9	1176.4	1165.8
17.5°	1499.8	1439.8	1391.9	1331.1	1268.6	1189.4	1137.1	1105.1	1078.3	1058.0	1042.9
20°	1437.2	1376.1	1325.0	1233.5	1149.2	1095.5	1057.0	1032.4	1004.6	982.7	970.7
22.5°	1371.3	1307.6	1238.0	1135.8	1070.1	1027.0	992.7	964.5	945.6	928.5	917.6
25°	1277.9	1208.2	1093.5	1023.1	970.0	924.9	901.0	883.8	863.9	840.7	830.0
27.5°	1179.2	1068.4	986.0	933.7	883.0	853.7	832.2	806.4	788.6	778.2	767.1
30°	1105.4	994.6	930.2	873.2	837.3	804.8	779.6	765.0	747.8	729.9	722.6
32.5°	1023.1	934.6	872.9	825.4	789.0	761.3	741.4	717.8	705.3	694.3	679.0
35°	920.9	853.9	797.5	759.1	724.6	702.0	678.8	664.8	642.3	633.0	627.0
37.5°	834.4	776.3	734.2	693.6	666.3	641.3	627.1	605.0	595.2	582.3	569.7
40°	785.6	728.5	688.1	654.9	624.4	605.8	587.9	570.0	555.4	549.4	534.1
42.5°	735.7	689.3	648.8	612.4	592.0	572.3	549.7	536.5	521.4	511.7	502.3
45°	666.8	625.7	591.2	561.3	538.8	518.2	503.6	481.7	473.1	453.8	445.9
47.5°	606.3	568.1	535.2	506.8	484.8	471.4	450.0	432.9	419.1	407.3	397.0
50°	563.3	531.5	499.6	474.4	454.5	435.3	413.4	404.7	383.5	377.5	371.6
52.5°	524.0	493.8	464.6	439.9	420.0	401.3	382.0	370.8	356.4	350.5	346.1
55°	469.1	439.9	412.0	390.1	370.2	351.0	339.1	325.1	318.5	313.8	308.5
57.5°	413.9	387.6	366.3	344.1	324.1	308.8	295.0	286.6	279.7	273.6	267.3
60°	378.9	353.6	334.4	313.8	293.3	280.7	270.0	260.1	252.1	242.8	240.2
62.5°	341.7	319.7	302.0	282.0	264.1	252.5	242.4	233.0	223.5	209.9	206.2
65°	290.6	273.4	254.8	238.2	222.3	211.0	196.4	185.8	181.8	180.5	179.8
67.5°	244.4	228.1	212.2	195.2	180.7	170.3	162.8	161.2	158.4	157.6	155.8
70°	213.6	198.4	182.5	166.5	152.6	150.6	148.0	145.3	142.0	140.7	139.3
72.5°	186.0	170.3	154.3	141.6	135.6	133.1	130.4	127.8	125.5	124.2	123.4
75°	142.7	128.1	117.4	112.8	109.5	107.5	103.5	101.5	100.2	98.2	97.5
77.5°	102.7	94.5	89.6	86.7	83.2	81.1	78.8	76.8	75.4	75.0	73.9
80°	78.3	74.3	71.0	67.0	65.7	63.0	62.4	60.4	61.0	59.1	59.1
82.5°	60.8	55.7	52.9	51.1	49.8	47.6	47.0	46.0	46.2	44.7	44.7
85°	31.2	29.9	28.5	27.2	27.2	25.2	25.9	25.2	25.2	23.9	23.2
87.5°	12.0	11.9	11.6	12.7	13.7	13.3	13.1	12.4	12.1	12.4	12.1
90°	9.4	11.7	15.6	21.1	25.8	26.6	25.8	25.0	23.5	25.0	25.8
92.5°	28.1	35.5	53.2	78.0	100.2	101.6	85.8	68.2	58.5	51.9	47.1
95°	57.8	76.6	112.6	180.6	271.3	306.4	268.1	204.8	157.1	124.3	107.1
97.5°	82.1	103.3	148.5	243.3	394.0	523.1	548.8	477.9	391.0	306.4	250.0
100°	97.7	119.6	161.0	256.4	425.2	617.5	730.1	713.7	616.8	509.7	415.1
102.5°	112.1	134.0	172.3	257.0	413.4	620.7	797.6	868.2	846.3	767.9	667.7
105°	132.9	154.8	191.5	261.1	390.1	579.2	787.2	949.8	1038.1	1048.3	1022.5
107.5°	153.5	175.6	211.2	271.9	378.5	534.8	718.5	891.0	1024.0	1105.3	1143.2
110°	167.3	190.0	224.3	280.6	376.0	513.6	675.4	840.3	980.3	1080.3	1144.4



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	180.4	203.7	236.9	290.0	376.6	499.8	645.4	794.1	928.3	1035.3	1108.8
115°	201.7	222.8	256.4	304.1	379.9	484.7	608.2	737.1	857.5	959.9	1040.4
117.5°	221.4	243.3	274.4	319.1	385.5	477.3	584.7	694.3	800.0	892.9	968.4
120°	234.5	256.4	286.9	329.1	389.3	472.9	572.2	673.0	770.0	852.8	924.0
122.5°	247.6	270.2	298.8	337.9	393.7	470.4	561.6	656.2	745.0	823.4	887.7
125°	266.6	288.4	316.6	351.8	400.2	465.9	546.4	631.6	712.1	780.9	839.5
127.5°	283.3	305.8	333.2	364.7	407.0	463.2	532.3	607.4	680.2	745.1	799.2
130°	293.9	315.8	343.2	372.9	412.0	462.0	523.0	591.7	659.0	720.7	772.3
132.5°	303.9	325.8	351.9	381.0	417.0	461.4	515.5	576.7	639.0	695.7	744.2
135°	317.4	339.3	364.3	391.6	422.9	460.4	505.0	555.8	607.4	659.0	702.7
137.5°	329.3	349.6	374.3	399.8	428.2	460.3	497.6	539.1	582.2	623.2	661.3
140°	336.1	356.5	379.9	404.1	430.7	459.6	493.3	528.4	566.0	601.9	636.3
142.5°	342.4	361.5	384.3	407.9	432.6	459.6	488.9	519.7	551.6	582.5	611.3
145°	352.5	369.7	390.9	412.7	434.6	458.1	483.1	507.3	533.1	557.4	580.0
147.5°	361.0	376.3	396.2	415.4	435.3	455.3	477.2	497.8	518.1	537.0	553.6
150°	366.6	380.7	398.7	416.6	434.6	453.4	472.1	490.9	508.1	524.5	538.6
152.5°	372.2	385.1	401.2	417.3	433.4	450.3	467.8	484.0	500.0	513.9	526.1
155°	379.9	391.6	404.9	418.2	431.5	444.8	459.6	474.5	487.0	498.7	507.3
157.5°	386.5	396.3	407.6	418.2	427.9	439.2	452.0	463.4	473.9	483.7	490.4
160°	390.9	399.4	408.8	418.2	426.0	435.4	446.4	456.5	465.1	473.7	479.2
162.5°	394.6	401.3	409.5	417.6	424.2	432.3	441.3	449.6	457.0	464.3	468.6
165°	398.7	403.4	410.4	415.9	420.6	426.0	433.1	439.3	444.8	450.3	453.4
167.5°	402.1	405.1	410.2	414.8	417.0	420.6	424.9	429.5	433.7	437.4	440.3
170°	403.4	405.7	409.6	413.5	415.1	417.4	420.6	424.5	426.8	429.9	431.5
172.5°	404.6	406.3	409.0	411.6	412.6	413.7	416.2	418.8	420.6	423.1	424.0
175°	405.7	406.5	408.0	409.6	408.8	409.6	410.4	412.7	413.5	414.3	415.1
177.5°	406.5	406.5	407.1	408.4	407.1	406.5	407.1	408.4	408.4	409.0	409.0
180°	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1833.7	1834.7	1833.1	1834.2	1833.1	1834.7	1833.7	1839.5	1840.6	1841.6	1840.6
5°	1708.5	1700.6	1699.2	1697.3	1699.2	1700.6	1708.5	1711.9	1714.5	1719.8	1729.1
7.5°	1559.1	1557.9	1554.6	1550.0	1554.6	1557.9	1559.1	1570.5	1579.5	1589.9	1608.9
10°	1463.0	1459.7	1459.1	1454.4	1459.1	1459.7	1463.0	1477.6	1488.2	1502.8	1528.7
12.5°	1350.5	1329.1	1326.9	1315.3	1326.9	1329.1	1350.5	1369.3	1398.0	1412.1	1439.5
15°	1149.9	1145.9	1132.6	1124.0	1132.6	1145.9	1149.9	1165.8	1176.4	1214.9	1259.3
17.5°	1035.2	1022.2	1018.1	1016.2	1018.1	1022.2	1035.2	1042.9	1058.0	1078.3	1105.1
20°	961.4	949.5	947.5	946.2	947.5	949.5	961.4	970.7	982.7	1004.6	1032.4
22.5°	910.5	898.0	892.8	888.8	892.8	898.0	910.5	917.6	928.5	945.6	964.5
25°	823.4	818.8	816.1	814.8	816.1	818.8	823.4	830.0	840.7	863.9	883.8
27.5°	755.3	745.1	743.1	739.7	743.1	745.1	755.3	767.1	778.2	788.6	806.4
30°	716.6	713.3	708.6	704.6	708.6	713.3	716.6	722.6	729.9	747.8	765.0
32.5°	670.9	668.2	664.0	662.2	664.0	668.2	670.9	679.0	694.3	705.3	717.8
35°	620.4	611.1	607.1	601.1	607.1	611.1	620.4	627.0	633.0	642.3	664.8
37.5°	566.9	562.0	556.4	558.4	556.4	562.0	566.9	569.7	582.3	595.2	605.0
40°	525.5	522.2	520.9	520.2	520.9	522.2	525.5	534.1	549.4	555.4	570.0
42.5°	492.6	483.4	480.0	479.8	480.0	483.4	492.6	502.3	511.7	521.4	536.5
45°	442.6	433.9	428.0	428.6	428.0	433.9	442.6	445.9	453.8	473.1	481.7
47.5°	391.3	391.1	387.4	388.6	387.4	391.1	391.3	397.0	407.3	419.1	432.9
50°	366.9	362.9	360.3	360.9	360.3	362.9	366.9	371.6	377.5	383.5	404.7
52.5°	343.6	340.1	338.0	340.8	338.0	340.1	343.6	346.1	350.5	356.4	370.8
55°	305.2	301.2	300.6	299.9	300.6	301.2	305.2	308.5	313.8	318.5	325.1
57.5°	262.4	259.7	255.7	254.0	255.7	259.7	262.4	267.3	273.6	279.7	286.6
60°	231.6	226.3	219.6	219.0	219.6	226.3	231.6	240.2	242.8	252.1	260.1
62.5°	203.4	202.4	201.0	200.9	201.0	202.4	203.4	206.2	209.9	223.5	233.0
65°	178.5	177.8	178.5	179.1	178.5	177.8	178.5	179.8	180.5	181.8	185.8
67.5°	155.5	154.3	153.1	153.7	153.1	154.3	155.5	155.8	157.6	158.4	161.2
70°	138.0	137.3	136.7	136.7	136.7	137.3	138.0	139.3	140.7	142.0	145.3
72.5°	121.0	120.9	120.2	119.7	120.2	120.9	121.0	123.4	124.2	125.5	127.8
75°	96.9	95.5	95.5	95.5	95.5	95.5	96.9	97.5	98.2	100.2	101.5
77.5°	73.8	73.1	72.5	71.9	72.5	73.1	73.8	73.9	75.0	75.4	76.8
80°	58.4	57.7	57.1	57.1	57.1	57.7	58.4	59.1	59.1	61.0	60.4
82.5°	44.6	43.9	43.8	43.3	43.8	43.9	44.6	44.7	44.7	46.2	46.0
85°	23.9	24.5	23.9	25.2	23.9	24.5	23.9	23.2	23.9	25.2	25.2
87.5°	12.1	11.5	12.1	11.5	12.1	11.5	12.1	12.1	12.4	12.1	12.4
90°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.0	23.5	25.0
92.5°	46.4	43.9	44.6	43.3	44.6	43.9	46.4	47.1	51.9	58.5	68.2
95°	96.9	90.7	88.3	89.1	88.3	90.7	96.9	107.1	124.3	157.1	204.8
97.5°	212.6	193.4	182.0	175.4	182.0	193.4	212.6	250.0	306.4	391.0	477.9
100°	350.2	316.6	293.9	279.8	293.9	316.6	350.2	415.1	509.7	616.8	713.7
102.5°	597.2	539.8	511.5	492.5	511.5	539.8	597.2	667.7	767.9	846.3	868.2
105°	974.0	925.5	891.9	881.0	891.9	925.5	974.0	1022.5	1048.3	1038.1	949.8
107.5°	1149.3	1146.6	1139.9	1125.3	1139.9	1146.6	1149.3	1143.2	1105.3	1024.0	891.0
110°	1178.0	1192.9	1199.9	1199.1	1199.9	1192.9	1178.0	1144.4	1080.3	980.3	840.3



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1155.5	1180.4	1193.7	1197.9	1193.7	1180.4	1155.5	1108.8	1035.3	928.3	794.1
115°	1095.9	1131.9	1152.2	1159.3	1152.2	1131.9	1095.9	1040.4	959.9	857.5	737.1
117.5°	1025.0	1063.0	1084.4	1090.3	1084.4	1063.0	1025.0	968.4	892.9	800.0	694.3
120°	978.7	1015.4	1038.1	1045.9	1038.1	1015.4	978.7	924.0	852.8	770.0	673.0
122.5°	936.8	972.9	993.1	999.6	993.1	972.9	936.8	887.7	823.4	745.0	656.2
125°	884.9	914.6	934.1	940.4	934.1	914.6	884.9	839.5	780.9	712.1	631.6
127.5°	838.8	866.6	883.5	888.5	883.5	866.6	838.8	799.2	745.1	680.2	607.4
130°	810.6	837.2	852.8	859.1	852.8	837.2	810.6	772.3	720.7	659.0	591.7
132.5°	781.9	808.4	822.8	828.4	822.8	808.4	781.9	744.2	695.7	639.0	576.7
135°	736.4	762.2	776.2	779.4	776.2	762.2	736.4	702.7	659.0	607.4	555.8
137.5°	692.0	714.2	726.5	731.2	726.5	714.2	692.0	661.3	623.2	582.2	539.1
140°	661.3	681.6	693.4	698.1	693.4	681.6	661.3	636.3	601.9	566.0	528.4
142.5°	635.1	653.5	664.0	664.9	664.0	653.5	635.1	611.3	582.5	551.6	519.7
145°	598.8	612.1	619.9	622.2	619.9	612.1	598.8	580.0	557.4	533.1	507.3
147.5°	569.1	579.7	585.0	586.4	585.0	579.7	569.1	553.6	537.0	518.1	497.8
150°	550.3	559.7	564.4	565.2	564.4	559.7	550.3	538.6	524.5	508.1	490.9
152.5°	535.3	543.4	546.9	547.0	546.9	543.4	535.3	526.1	513.9	500.0	484.0
155°	515.9	521.4	524.5	523.0	524.5	521.4	515.9	507.3	498.7	487.0	474.5
157.5°	496.5	501.1	502.5	502.5	502.5	501.1	496.5	490.4	483.7	473.9	463.4
160°	484.7	488.6	489.3	489.3	489.3	488.6	484.7	479.2	473.7	465.1	456.5
162.5°	474.0	476.7	477.5	476.8	477.5	476.7	474.0	468.6	464.3	457.0	449.6
165°	456.5	459.6	459.6	458.9	459.6	459.6	456.5	453.4	450.3	444.8	439.3
167.5°	441.7	443.4	443.2	442.3	443.2	443.4	441.7	440.3	437.4	433.7	429.5
170°	432.3	434.6	433.8	432.3	433.8	434.6	432.3	431.5	429.9	426.8	424.5
172.5°	424.8	425.9	425.1	424.2	425.1	425.9	424.8	424.0	423.1	420.6	418.8
175°	415.1	415.9	415.1	413.5	415.1	415.9	415.1	415.1	414.3	413.5	412.7
177.5°	409.0	409.0	408.4	407.1	408.4	409.0	409.0	409.0	409.0	408.4	408.4
180°	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1836.3	1843.8	1854.9	1861.3	1871.9	1878.8	1882.5	1889.4	1893.1	1906.4	1920.2
5°	1733.7	1744.4	1762.9	1780.2	1798.8	1818.0	1831.9	1847.9	1862.5	1887.7	1914.2
7.5°	1616.2	1630.9	1659.7	1687.2	1719.5	1746.8	1770.8	1798.0	1822.3	1858.4	1896.0
10°	1528.1	1553.9	1591.8	1617.6	1660.1	1687.3	1725.1	1755.0	1788.8	1836.6	1879.1
12.5°	1452.2	1483.3	1513.7	1549.7	1587.9	1633.2	1674.7	1713.0	1753.3	1802.6	1852.5
15°	1314.4	1359.5	1406.6	1443.1	1494.9	1542.7	1591.1	1642.8	1691.9	1751.0	1816.0
17.5°	1137.1	1189.4	1268.6	1331.1	1391.9	1439.8	1499.8	1562.4	1620.3	1691.5	1763.9
20°	1057.0	1095.5	1149.2	1233.5	1325.0	1376.1	1437.2	1506.2	1572.5	1650.1	1727.8
22.5°	992.7	1027.0	1070.1	1135.8	1238.0	1307.6	1371.3	1441.4	1518.4	1597.6	1683.7
25°	901.0	924.9	970.0	1023.1	1093.5	1208.2	1277.9	1348.2	1431.9	1516.8	1615.0
27.5°	832.2	853.7	883.0	933.7	986.0	1068.4	1179.2	1255.9	1339.2	1434.8	1536.7
30°	779.6	804.8	837.3	873.2	930.2	994.6	1105.4	1194.3	1276.6	1374.8	1483.6
32.5°	741.4	761.3	789.0	825.4	872.9	934.6	1023.1	1131.1	1211.3	1314.8	1428.4
35°	678.8	702.0	724.6	759.1	797.5	853.9	920.9	1036.4	1116.0	1218.2	1332.3
37.5°	627.1	641.3	666.3	693.6	734.2	776.3	834.4	937.9	1024.1	1124.4	1241.2
40°	587.9	605.8	624.4	654.9	688.1	728.5	785.6	862.6	961.4	1059.6	1173.7
42.5°	549.7	572.3	592.0	612.4	648.8	689.3	735.7	801.0	902.0	994.9	1105.8
45°	503.6	518.2	538.8	561.3	591.2	625.7	666.8	723.9	820.8	901.0	1005.2
47.5°	450.0	471.4	484.8	506.8	535.2	568.1	606.3	655.7	734.1	809.3	906.0
50°	413.4	435.3	454.5	474.4	499.6	531.5	563.3	611.1	674.1	753.1	843.3
52.5°	382.0	401.3	420.0	439.9	464.6	493.8	524.0	566.0	620.0	692.6	780.2
55°	339.1	351.0	370.2	390.1	412.0	439.9	469.1	504.3	550.7	611.8	682.8
57.5°	295.0	308.8	324.1	344.1	366.3	387.6	413.9	445.7	482.4	537.6	598.4
60°	270.0	280.7	293.3	313.8	334.4	353.6	378.9	405.4	439.9	487.7	539.4
62.5°	242.4	252.5	264.1	282.0	302.0	319.7	341.7	369.8	399.0	442.6	487.9
65°	196.4	211.0	222.3	238.2	254.8	273.4	290.6	313.2	339.1	373.6	414.0
67.5°	162.8	170.3	180.7	195.2	212.2	228.1	244.4	262.1	284.5	311.2	343.3
70°	148.0	150.6	152.6	166.5	182.5	198.4	213.6	230.2	249.5	271.4	299.2
72.5°	130.4	133.1	135.6	141.6	154.3	170.3	186.0	198.4	216.6	234.7	257.3
75°	103.5	107.5	109.5	112.8	117.4	128.1	142.7	154.6	165.2	179.1	197.1
77.5°	78.8	81.1	83.2	86.7	89.6	94.5	102.7	113.5	123.4	131.5	143.8
80°	62.4	63.0	65.7	67.0	71.0	74.3	78.3	86.9	96.9	100.2	108.8
82.5°	47.0	47.6	49.8	51.1	52.9	55.7	60.8	63.0	70.9	75.2	80.7
85°	25.9	25.2	27.2	27.2	28.5	29.9	31.2	34.5	36.5	41.8	43.1
87.5°	13.1	13.3	13.7	12.7	11.6	11.9	12.0	12.2	12.9	13.9	15.5
90°	25.8	26.6	25.8	21.1	15.6	11.7	9.4	7.8	6.3	3.1	0.8
92.5°	85.8	101.6	100.2	78.0	53.2	35.5	28.1	22.8	19.4	13.8	9.5
95°	268.1	306.4	271.3	180.6	112.6	76.6	57.8	45.3	38.3	30.5	27.4
97.5°	548.8	523.1	394.0	243.3	148.5	103.3	82.1	67.7	57.1	48.8	44.6
100°	730.1	617.5	425.2	256.4	161.0	119.6	97.7	82.1	69.6	62.5	60.2
102.5°	797.6	620.7	413.4	257.0	172.3	134.0	112.1	95.8	83.3	76.3	74.6
105°	787.2	579.2	390.1	261.1	191.5	154.8	132.9	115.7	104.0	98.5	95.4
107.5°	718.5	534.8	378.5	271.9	211.2	175.6	153.5	136.5	125.7	120.4	117.9
110°	675.4	513.6	376.0	280.6	224.3	190.0	167.3	150.9	140.7	136.0	132.9



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	645.4	499.8	376.6	290.0	236.9	203.7	180.4	164.6	155.1	149.8	146.6
115°	608.2	484.7	379.9	304.1	256.4	222.8	201.7	186.0	176.7	172.0	168.1
117.5°	584.7	477.3	385.5	319.1	274.4	243.3	221.4	206.4	198.1	193.4	190.3
120°	572.2	472.9	389.3	329.1	286.9	256.4	234.5	218.9	211.8	207.2	204.0
122.5°	561.6	470.4	393.7	337.9	298.8	270.2	247.6	232.0	224.3	219.7	217.2
125°	546.4	465.9	400.2	351.8	316.6	288.4	266.6	250.9	241.5	236.9	234.5
127.5°	532.3	463.2	407.0	364.7	333.2	305.8	283.3	268.3	258.0	251.4	248.3
130°	523.0	462.0	412.0	372.9	343.2	315.8	293.9	278.3	267.3	259.5	256.4
132.5°	515.5	461.4	417.0	381.0	351.9	325.8	303.9	287.7	276.1	267.7	263.9
135°	505.0	460.4	422.9	391.6	364.3	339.3	317.4	299.4	287.7	278.3	275.2
137.5°	497.6	460.3	428.2	399.8	374.3	349.6	329.3	311.4	298.9	289.5	285.8
140°	493.3	459.6	430.7	404.1	379.9	356.5	336.1	318.9	306.4	297.0	293.9
142.5°	488.9	459.6	432.6	407.9	384.3	361.5	342.4	325.8	313.3	304.6	302.0
145°	483.1	458.1	434.6	412.7	390.9	369.7	352.5	336.9	325.2	317.4	314.2
147.5°	477.2	455.3	435.3	415.4	396.2	376.3	361.0	348.0	337.2	329.7	327.4
150°	472.1	453.4	434.6	416.6	398.7	380.7	366.6	354.9	344.7	338.5	336.1
152.5°	467.8	450.3	433.4	417.3	401.2	385.1	372.2	361.1	352.2	346.0	344.9
155°	459.6	444.8	431.5	418.2	404.9	391.6	379.9	371.3	362.7	358.0	357.2
157.5°	452.0	439.2	427.9	418.2	407.6	396.3	386.5	379.6	372.1	368.3	367.6
160°	446.4	435.4	426.0	418.2	408.8	399.4	390.9	384.6	378.3	375.2	374.4
162.5°	441.3	432.3	424.2	417.6	409.5	401.3	394.6	389.0	384.0	380.8	381.3
165°	433.1	426.0	420.6	415.9	410.4	403.4	398.7	394.8	390.1	388.5	389.3
167.5°	424.9	420.6	417.0	414.8	410.2	405.1	402.1	399.3	396.3	394.9	395.9
170°	420.6	417.4	415.1	413.5	409.6	405.7	403.4	401.8	399.4	398.7	400.2
172.5°	416.2	413.7	412.6	411.6	409.0	406.3	404.6	403.7	401.3	401.8	402.7
175°	410.4	409.6	408.8	409.6	408.0	406.5	405.7	405.7	404.1	404.9	405.7
177.5°	407.1	406.5	407.1	408.4	407.1	406.5	406.5	406.5	405.2	405.9	407.1
180°	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1920.7	1922.3	1932.9	1937.7	1947.3	1951.0	1955.2	1954.2	1954.2	1956.3	1971.2
5°	1924.8	1938.1	1958.0	1977.3	1995.8	2011.8	2022.4	2033.0	2037.0	2056.2	2073.5
7.5°	1917.9	1942.4	1975.3	2004.6	2039.8	2067.2	2090.1	2110.6	2124.7	2152.7	2181.4
10°	1908.9	1943.4	1980.6	2018.4	2066.8	2103.3	2140.5	2169.0	2178.3	2220.1	2244.0
12.5°	1890.9	1937.0	1984.3	2033.3	2080.6	2130.9	2171.8	2200.3	2233.0	2270.5	2314.6
15°	1863.8	1916.9	1978.6	2041.6	2109.3	2170.3	2214.1	2263.9	2299.7	2340.9	2379.3
17.5°	1824.9	1893.3	1971.7	2044.7	2123.0	2188.5	2248.8	2296.5	2321.7	2345.2	2350.9
20°	1794.1	1867.8	1960.0	2046.3	2124.6	2200.2	2259.9	2299.7	2306.4	2307.0	2271.9
22.5°	1760.7	1843.9	1940.4	2028.7	2122.4	2206.6	2253.0	2270.0	2243.7	2198.7	2130.7
25°	1699.2	1795.5	1907.6	2008.4	2110.6	2190.2	2206.2	2176.3	2084.1	1987.2	1864.5
27.5°	1632.6	1740.8	1861.0	1973.1	2082.0	2131.3	2097.0	1989.3	1823.2	1678.8	1503.8
30°	1583.8	1705.2	1823.3	1948.7	2049.6	2070.8	1991.9	1833.3	1639.5	1421.9	1247.4
32.5°	1528.1	1655.3	1785.1	1914.8	1999.2	1978.4	1848.0	1652.8	1425.6	1211.7	1046.8
35°	1448.4	1579.8	1719.8	1849.9	1903.6	1814.0	1619.0	1364.8	1132.6	932.9	819.4
37.5°	1356.5	1499.5	1645.1	1764.5	1760.7	1611.4	1345.7	1083.4	888.2	770.1	689.3
40°	1291.2	1435.8	1593.1	1693.9	1650.8	1456.4	1168.4	920.9	778.3	684.1	625.0
42.5°	1228.6	1373.7	1529.9	1610.1	1535.1	1296.1	1009.2	815.3	697.6	624.1	576.2
45°	1122.0	1275.3	1419.9	1464.4	1330.3	1066.9	816.1	675.5	597.2	542.7	509.6
47.5°	1017.8	1168.6	1300.6	1301.4	1120.1	865.2	688.5	584.6	517.7	475.6	451.5
50°	954.1	1097.4	1208.2	1191.0	985.3	769.7	615.7	526.2	470.4	437.9	412.7
52.5°	882.5	1021.5	1117.5	1068.4	871.2	677.3	550.4	475.2	429.0	400.8	378.2
55°	778.3	901.7	969.4	895.1	710.6	563.3	465.1	406.1	371.6	347.7	328.4
57.5°	676.0	777.8	820.4	733.8	585.3	467.1	393.5	349.1	314.9	297.8	287.8
60°	611.8	698.7	728.5	633.0	508.9	408.7	348.3	307.2	282.0	270.7	260.8
62.5°	548.6	619.6	631.9	544.3	443.6	357.8	305.9	271.1	254.4	243.6	234.2
65°	455.2	506.3	500.3	430.0	351.0	284.0	246.2	224.9	212.3	197.1	180.5
67.5°	374.7	405.9	387.1	334.4	267.9	220.7	196.0	179.9	164.3	149.8	146.0
70°	323.8	341.7	321.8	273.4	219.6	185.1	165.2	146.0	136.7	133.4	127.4
72.5°	275.0	281.2	259.7	218.2	178.7	153.3	133.9	123.1	118.1	115.3	111.5
75°	206.4	201.7	183.1	150.6	124.1	106.8	100.9	96.9	93.6	90.9	88.9
77.5°	144.9	138.1	121.6	100.3	86.4	78.2	74.6	72.5	70.9	69.5	67.5
80°	108.8	104.2	87.6	71.7	65.7	61.7	59.7	57.1	57.1	55.7	53.7
82.5°	79.6	74.4	60.0	52.5	49.2	46.8	45.4	43.8	43.3	43.5	42.1
85°	41.8	33.8	29.9	28.5	26.5	25.2	25.9	24.5	24.5	24.5	23.9
87.5°	13.4	11.3	11.1	10.9	11.9	12.7	13.2	14.2	14.9	14.2	14.6
90°	3.1	6.3	7.8	9.4	11.7	15.6	21.1	25.8	26.6	25.8	25.0
92.5°	13.8	19.4	22.8	28.1	35.5	53.2	78.0	100.2	101.6	85.8	68.2
95°	30.5	38.3	45.3	57.8	76.6	112.6	180.6	271.3	306.4	268.1	204.8
97.5°	48.8	57.1	67.7	82.1	103.3	148.5	243.3	394.0	523.1	548.8	477.9
100°	62.5	69.6	82.1	97.7	119.6	161.0	256.4	425.2	617.5	730.1	713.7
102.5°	76.3	83.3	95.8	112.1	134.0	172.3	257.0	413.4	620.7	797.6	868.2
105°	98.5	104.0	115.7	132.9	154.8	191.5	261.1	390.1	579.2	787.2	949.8
107.5°	120.4	125.7	136.5	153.5	175.6	211.2	271.9	378.5	534.8	718.5	891.0
110°	136.0	140.7	150.9	167.3	190.0	224.3	280.6	376.0	513.6	675.4	840.3



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	149.8	155.1	164.6	180.4	203.7	236.9	290.0	376.6	499.8	645.4	794.1
115°	172.0	176.7	186.0	201.7	222.8	256.4	304.1	379.9	484.7	608.2	737.1
117.5°	193.4	198.1	206.4	221.4	243.3	274.4	319.1	385.5	477.3	584.7	694.3
120°	207.2	211.8	218.9	234.5	256.4	286.9	329.1	389.3	472.9	572.2	673.0
122.5°	219.7	224.3	232.0	247.6	270.2	298.8	337.9	393.7	470.4	561.6	656.2
125°	236.9	241.5	250.9	266.6	288.4	316.6	351.8	400.2	465.9	546.4	631.6
127.5°	251.4	258.0	268.3	283.3	305.8	333.2	364.7	407.0	463.2	532.3	607.4
130°	259.5	267.3	278.3	293.9	315.8	343.2	372.9	412.0	462.0	523.0	591.7
132.5°	267.7	276.1	287.7	303.9	325.8	351.9	381.0	417.0	461.4	515.5	576.7
135°	278.3	287.7	299.4	317.4	339.3	364.3	391.6	422.9	460.4	505.0	555.8
137.5°	289.5	298.9	311.4	329.3	349.6	374.3	399.8	428.2	460.3	497.6	539.1
140°	297.0	306.4	318.9	336.1	356.5	379.9	404.1	430.7	459.6	493.3	528.4
142.5°	304.6	313.3	325.8	342.4	361.5	384.3	407.9	432.6	459.6	488.9	519.7
145°	317.4	325.2	336.9	352.5	369.7	390.9	412.7	434.6	458.1	483.1	507.3
147.5°	329.7	337.2	348.0	361.0	376.3	396.2	415.4	435.3	455.3	477.2	497.8
150°	338.5	344.7	354.9	366.6	380.7	398.7	416.6	434.6	453.4	472.1	490.9
152.5°	346.0	352.2	361.1	372.2	385.1	401.2	417.3	433.4	450.3	467.8	484.0
155°	358.0	362.7	371.3	379.9	391.6	404.9	418.2	431.5	444.8	459.6	474.5
157.5°	368.3	372.1	379.6	386.5	396.3	407.6	418.2	427.9	439.2	452.0	463.4
160°	375.2	378.3	384.6	390.9	399.4	408.8	418.2	426.0	435.4	446.4	456.5
162.5°	380.8	384.0	389.0	394.6	401.3	409.5	417.6	424.2	432.3	441.3	449.6
165°	388.5	390.1	394.8	398.7	403.4	410.4	415.9	420.6	426.0	433.1	439.3
167.5°	394.9	396.3	399.3	402.1	405.1	410.2	414.8	417.0	420.6	424.9	429.5
170°	398.7	399.4	401.8	403.4	405.7	409.6	413.5	415.1	417.4	420.6	424.5
172.5°	401.8	401.3	403.7	404.6	406.3	409.0	411.6	412.6	413.7	416.2	418.8
175°	404.9	404.1	405.7	405.7	406.5	408.0	409.6	408.8	409.6	410.4	412.7
177.5°	405.9	405.2	406.5	406.5	406.5	407.1	408.4	407.1	406.5	407.1	408.4
180°	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5	406.5



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1976.5	1983.4	1986.5	1986.5	1990.3	1988.7	1987.1
5°	2090.1	2102.7	2105.3	2117.3	2125.9	2123.2	2124.6
7.5°	2203.0	2223.3	2243.3	2252.5	2253.9	2259.2	2261.2
10°	2272.5	2289.1	2320.3	2315.6	2338.9	2352.1	2330.2
12.5°	2339.4	2361.8	2383.5	2389.4	2402.6	2406.8	2398.2
15°	2399.9	2411.9	2413.2	2409.9	2413.8	2410.5	2397.9
17.5°	2343.4	2324.0	2284.7	2266.1	2251.4	2229.7	2220.9
20°	2250.0	2192.9	2126.5	2100.0	2068.8	2007.8	2022.4
22.5°	2048.3	1983.2	1916.9	1839.4	1802.4	1744.5	1741.0
25°	1734.4	1622.3	1498.9	1412.6	1362.2	1304.5	1279.2
27.5°	1348.5	1207.3	1106.2	1055.0	1008.4	962.6	960.8
30°	1094.8	988.6	910.3	866.5	838.0	818.8	822.8
32.5°	922.8	850.1	797.3	760.9	739.8	725.3	725.1
35°	754.4	704.6	670.8	655.5	640.3	629.7	630.3
37.5°	645.6	615.7	596.9	580.0	570.5	565.3	562.4
40°	589.9	565.3	550.7	540.8	532.8	525.5	524.2
42.5°	545.8	525.5	510.9	503.1	495.6	490.5	489.1
45°	484.4	467.8	454.5	445.9	442.6	437.9	437.9
47.5°	430.9	414.6	404.2	398.8	393.1	390.0	389.9
50°	394.8	382.2	372.9	369.6	364.9	362.9	362.3
52.5°	362.4	353.0	346.4	344.1	342.1	339.6	340.0
55°	318.5	313.2	310.5	308.5	305.2	301.2	303.9
57.5°	281.5	276.9	269.8	263.5	260.5	257.7	258.8
60°	255.5	246.2	236.9	229.6	227.6	221.6	221.6
62.5°	222.5	209.5	198.1	194.0	192.0	189.2	188.7
65°	171.2	165.9	163.2	160.6	159.2	159.2	157.9
67.5°	141.9	139.7	136.8	136.2	134.8	134.4	134.0
70°	125.4	122.7	121.4	120.8	119.4	120.1	118.1
72.5°	109.5	107.4	107.1	105.4	104.6	104.7	103.2
75°	86.3	86.3	85.6	84.9	83.6	82.9	83.6
77.5°	66.4	66.5	65.3	65.2	65.0	65.2	64.5
80°	53.1	53.7	53.1	52.4	51.8	52.4	51.8
82.5°	41.9	41.0	40.9	40.7	40.6	40.2	40.1
85°	23.9	24.5	23.9	23.2	23.2	23.2	23.9
87.5°	13.7	14.0	14.2	14.2	14.2	14.2	13.7
90°	23.5	25.0	25.8	25.8	25.8	25.8	25.8
92.5°	58.5	51.9	47.1	46.4	43.9	44.6	43.3
95°	157.1	124.3	107.1	96.9	90.7	88.3	89.1
97.5°	391.0	306.4	250.0	212.6	193.4	182.0	175.4
100°	616.8	509.7	415.1	350.2	316.6	293.9	279.8
102.5°	846.3	767.9	667.7	597.2	539.8	511.5	492.5
105°	1038.1	1048.3	1022.5	974.0	925.5	891.9	881.0
107.5°	1024.0	1105.3	1143.2	1149.3	1146.6	1139.9	1125.3
110°	980.3	1080.3	1144.4	1178.0	1192.9	1199.9	1199.1



TEST NUMBER: P331719

CATALOG NUMBER: S122RDIP-S865D725U835-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	928.3	1035.3	1108.8	1155.5	1180.4	1193.7	1197.9
115°	857.5	959.9	1040.4	1095.9	1131.9	1152.2	1159.3
117.5°	800.0	892.9	968.4	1025.0	1063.0	1084.4	1090.3
120°	770.0	852.8	924.0	978.7	1015.4	1038.1	1045.9
122.5°	745.0	823.4	887.7	936.8	972.9	993.1	999.6
125°	712.1	780.9	839.5	884.9	914.6	934.1	940.4
127.5°	680.2	745.1	799.2	838.8	866.6	883.5	888.5
130°	659.0	720.7	772.3	810.6	837.2	852.8	859.1
132.5°	639.0	695.7	744.2	781.9	808.4	822.8	828.4
135°	607.4	659.0	702.7	736.4	762.2	776.2	779.4
137.5°	582.2	623.2	661.3	692.0	714.2	726.5	731.2
140°	566.0	601.9	636.3	661.3	681.6	693.4	698.1
142.5°	551.6	582.5	611.3	635.1	653.5	664.0	664.9
145°	533.1	557.4	580.0	598.8	612.1	619.9	622.2
147.5°	518.1	537.0	553.6	569.1	579.7	585.0	586.4
150°	508.1	524.5	538.6	550.3	559.7	564.4	565.2
152.5°	500.0	513.9	526.1	535.3	543.4	546.9	547.0
155°	487.0	498.7	507.3	515.9	521.4	524.5	523.0
157.5°	473.9	483.7	490.4	496.5	501.1	502.5	502.5
160°	465.1	473.7	479.2	484.7	488.6	489.3	489.3
162.5°	457.0	464.3	468.6	474.0	476.7	477.5	476.8
165°	444.8	450.3	453.4	456.5	459.6	459.6	458.9
167.5°	433.7	437.4	440.3	441.7	443.4	443.2	442.3
170°	426.8	429.9	431.5	432.3	434.6	433.8	432.3
172.5°	420.6	423.1	424.0	424.8	425.9	425.1	424.2
175°	413.5	414.3	415.1	415.1	415.9	415.1	413.5
177.5°	408.4	409.0	409.0	409.0	409.0	408.4	407.1
180°	406.5	406.5	406.5	406.5	406.5	406.5	406.5

(END OF REPORT)