

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: P331404-940

Luminaire Tested: **SA2XXDIP-C865D925U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331404-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C865D925U940-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

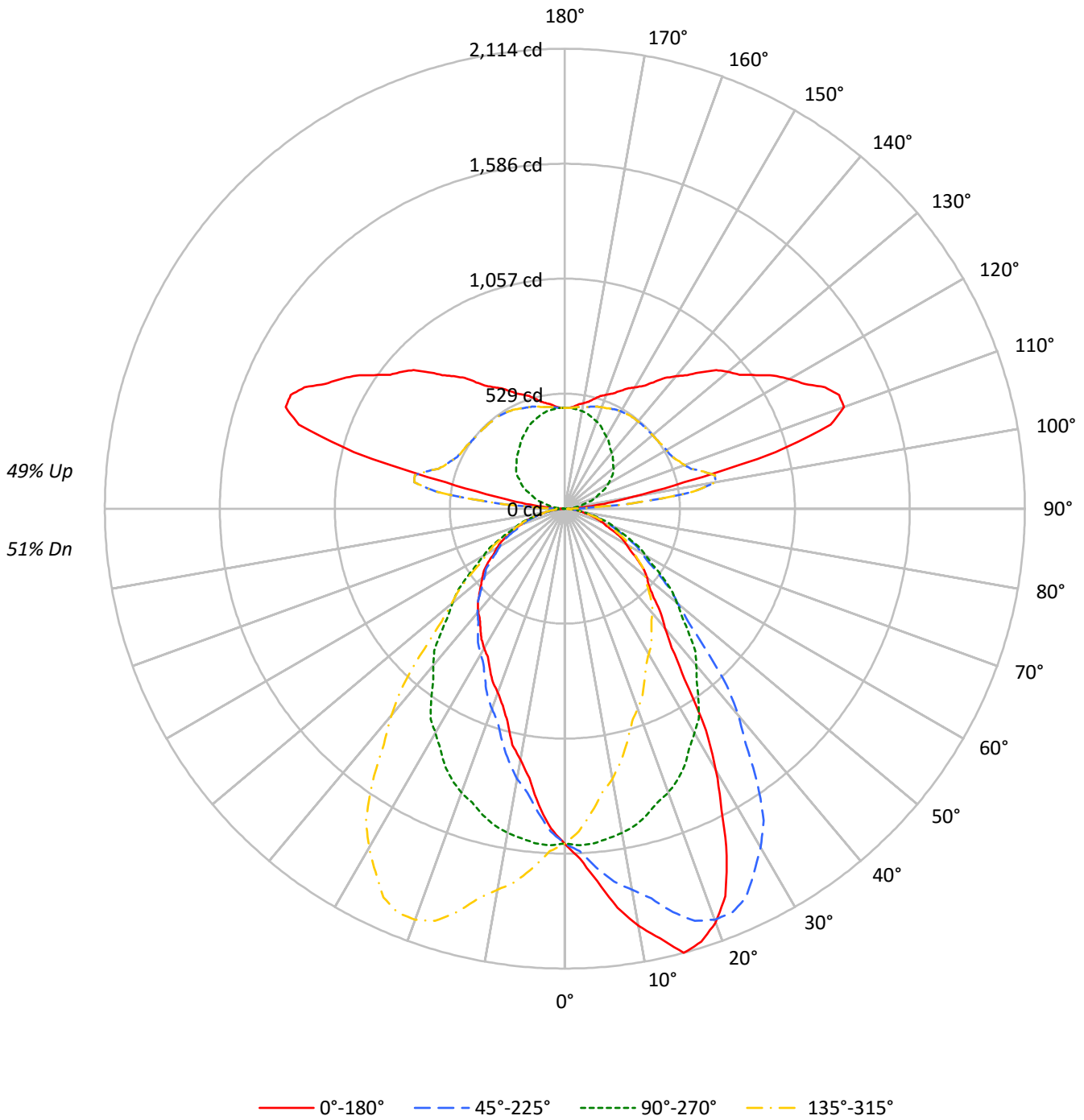
Lumens per Lamp: N/A
Luminaire Lumens: 6621.1 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 60.5
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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	99	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	77	72	83	77	72	68	66	62	59	55	53	50	46	44	42	38
3	83	73	66	61	76	68	62	57	58	54	50	49	46	43	41	39	37	33
4	76	65	58	52	70	61	54	49	52	47	43	44	41	37	37	34	32	28
5	70	58	51	45	64	55	48	42	47	42	37	40	36	33	34	31	28	25
6	64	53	45	39	59	49	42	37	43	37	33	36	32	29	31	28	25	22
7	60	48	40	34	55	45	38	33	39	33	29	33	29	26	28	25	22	20
8	55	43	36	31	51	41	34	29	35	30	26	31	26	23	26	23	20	18
9	52	40	32	27	48	37	31	26	33	27	24	28	24	21	24	21	18	16
10	48	37	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24857	24857	24857	24857
5°	27869	25020	22172	25020
10°	31936	24815	19189	24815
15°	35328	24359	16951	24359
20°	34790	23871	15454	23871
25°	31370	23222	14503	23222
30°	25922	22184	13811	22184
35°	18892	21098	13318	21098
40°	15091	19816	13044	19816
45°	13186	18333	12673	18333
50°	12396	16900	12424	16900
55°	11426	15440	12090	15440
60°	10469	13892	11580	13892
65°	9540	12500	11075	12500
70°	8658	11146	10334	11146
75°	7679	9632	9158	9632
80°	6602	7978	7373	7978
85°	5910	5910	4372	5910



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	2.2
10°-20°	426.3	6.4
20°-30°	618.6	9.3
30°-40°	652.8	9.9
40°-50°	578.0	8.7
50°-60°	461.3	7.0
60°-70°	313.5	4.7
70°-80°	160.7	2.4
80°-90°	42.9	0.6
90°-100°	185.0	2.8
100°-110°	627.9	9.5
110°-120°	667.1	10.1
120°-130°	549.1	8.3
130°-140°	441.0	6.7
140°-150°	333.2	5.0
150°-160°	234.2	3.5
160°-170°	137.9	2.1
170°-180°	44.9	0.7
0°-30°	1191.5	18.0
0°-40°	1844.3	27.9
0°-60°	2883.6	43.6
0°-90°	3400.8	51.4
90°-120°	1480.0	22.4
90°-150°	2803.4	42.3
90°-180°	3220.0	48.6
0°-180°	6621.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1540	1540	1540	1540	1540	
5°	1720	1544	1368	1544	1720	172
15°	2114	1457	1014	1457	2114	583
25°	1761	1304	814	1304	1761	796
35°	958	1070	676	1070	958	623
45°	578	803	555	803	578	454
55°	406	548	430	548	406	364
65°	250	327	290	327	250	248
75°	123	154	147	154	123	132
85°	32	32	24	32	32	36
90°	29	1	29	1	29	17
95°	102	31	102	31	102	132
105°	1003	109	1003	109	1003	970
115°	1320	191	1320	191	1320	1292
125°	1071	267	1071	267	1071	967
135°	887	313	887	313	887	689
145°	708	358	708	358	708	450
155°	595	407	595	407	595	278
165°	522	443	522	443	522	149
175°	471	462	471	462	471	46
180°	463	463	463	463	463	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1610.6	1611.1	1612.0	1604.5	1603.5	1603.5	1596.9	1591.2	1584.6	1575.6	1576.5
5°	1719.5	1726.0	1728.3	1721.3	1710.6	1709.4	1699.3	1682.7	1667.4	1654.9	1646.1
7.5°	1849.4	1852.0	1846.2	1836.8	1828.9	1814.7	1796.0	1777.7	1752.0	1728.5	1710.9
10°	1947.9	1951.4	1941.3	1927.7	1916.5	1899.9	1872.7	1844.9	1811.2	1778.6	1752.6
12.5°	2022.7	2031.4	2018.5	2016.7	1997.4	1974.7	1942.3	1928.2	1880.8	1835.4	1807.5
15°	2113.5	2112.9	2114.2	2102.8	2088.7	2085.1	2050.8	2013.6	1946.7	1920.0	1873.9
17.5°	2087.2	2096.2	2100.4	2100.2	2099.9	2097.7	2086.7	2063.2	2029.6	1986.5	1933.1
20°	2024.8	2036.6	2038.4	2052.0	2059.7	2069.7	2073.9	2067.3	2046.7	2010.5	1964.4
22.5°	1928.2	1931.5	1937.1	1958.3	1975.0	2000.2	2013.3	2035.2	2027.2	2009.6	1971.0
25°	1760.9	1755.0	1775.7	1786.3	1824.8	1865.0	1894.0	1925.9	1954.4	1971.5	1960.2
27.5°	1560.0	1551.0	1582.1	1610.3	1641.6	1685.2	1730.4	1783.7	1828.1	1883.6	1902.6
30°	1390.4	1395.8	1425.4	1455.5	1502.9	1564.4	1615.3	1673.9	1737.2	1799.3	1842.5
32.5°	1207.7	1228.2	1247.0	1293.2	1334.9	1403.5	1478.0	1551.3	1630.2	1700.8	1767.7
35°	958.5	982.2	1008.3	1042.0	1100.5	1168.6	1241.4	1340.2	1447.9	1544.4	1623.6
37.5°	806.8	803.1	818.0	842.3	889.7	944.7	1028.5	1126.1	1252.9	1366.2	1478.0
40°	716.0	713.5	724.2	746.7	782.8	823.0	896.4	982.2	1099.9	1238.4	1371.5
42.5°	653.4	654.9	660.8	676.6	701.4	734.5	789.4	862.5	970.3	1100.6	1243.8
45°	577.5	581.7	588.2	595.8	610.0	637.2	668.0	720.1	805.3	914.2	1055.0
47.5°	522.8	522.9	529.6	536.3	544.7	560.1	585.1	617.9	678.0	766.6	887.7
50°	493.5	489.4	494.1	499.4	508.3	518.9	535.5	566.2	606.5	678.1	779.3
52.5°	457.5	457.6	461.9	463.9	471.8	482.5	497.6	518.9	555.4	611.4	694.6
55°	405.9	408.8	411.3	414.7	421.9	429.5	441.4	455.6	484.0	526.0	587.5
57.5°	357.4	358.3	360.7	367.5	371.9	379.1	390.3	403.1	421.6	452.7	499.0
60°	324.2	324.2	329.0	331.9	337.9	344.9	353.8	366.2	382.8	408.2	445.6
62.5°	294.0	293.5	295.3	300.2	304.7	311.4	320.2	330.7	346.3	369.0	399.7
65°	249.7	248.5	252.1	253.2	258.0	264.5	271.6	282.9	295.2	311.8	339.0
67.5°	207.1	208.5	210.4	212.7	215.3	222.1	226.9	234.8	245.3	259.0	277.5
70°	183.4	183.4	183.4	185.2	188.8	192.3	197.1	203.6	213.6	225.4	242.0
72.5°	156.9	158.8	160.7	159.6	164.2	166.3	171.9	175.6	185.2	192.8	207.4
75°	123.1	123.1	123.1	126.0	127.8	129.6	133.1	136.7	141.4	150.9	158.5
77.5°	91.8	91.6	92.2	92.9	94.8	96.9	98.0	101.2	105.6	109.9	116.5
80°	71.0	72.2	72.8	73.9	73.9	75.2	75.7	79.9	82.8	85.8	90.0
82.5°	54.9	55.1	55.3	55.5	56.0	56.7	58.2	59.6	60.5	63.0	66.3
85°	31.9	31.4	31.4	32.5	31.9	31.9	33.2	34.3	34.3	34.9	36.6
87.5°	18.2	18.2	18.6	18.2	18.2	18.5	18.1	18.0	18.6	19.4	19.6
90°	29.3	29.3	29.3	29.3	29.3	28.4	26.7	28.4	29.3	30.2	29.3
92.5°	49.3	50.7	50.0	52.9	53.6	59.1	66.6	77.6	97.7	115.7	114.0
95°	101.5	100.6	103.3	110.4	121.9	141.5	178.9	233.2	305.2	348.8	308.8
97.5°	199.7	207.1	220.2	242.1	284.6	348.8	445.1	544.1	624.7	595.6	448.5
100°	318.6	334.7	360.4	398.7	472.6	580.2	702.1	812.5	831.3	703.0	484.1
102.5°	560.7	582.4	614.6	679.9	760.2	874.3	963.5	988.4	908.1	706.6	470.6
105°	1003.0	1015.4	1053.7	1108.8	1164.0	1193.5	1181.9	1081.3	896.2	659.4	444.1
107.5°	1281.2	1297.7	1305.4	1308.4	1301.5	1258.4	1165.8	1014.4	818.1	608.9	430.9
110°	1365.2	1366.1	1358.1	1341.1	1302.9	1229.9	1116.0	956.7	768.9	584.7	428.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1363.8	1359.0	1343.8	1315.5	1262.3	1178.7	1056.9	904.0	734.8	569.0	428.7
115°	1319.8	1311.8	1288.6	1247.7	1184.5	1092.9	976.2	839.2	692.4	551.8	432.5
117.5°	1241.3	1234.6	1210.1	1166.9	1102.5	1016.5	910.8	790.4	665.7	543.4	438.9
120°	1190.8	1181.9	1156.0	1114.2	1052.0	970.9	876.6	766.2	651.5	538.4	443.2
122.5°	1138.1	1130.6	1107.6	1066.5	1010.7	937.5	848.1	747.0	639.4	535.6	448.2
125°	1070.6	1063.5	1041.3	1007.5	955.8	889.0	810.7	719.1	622.1	530.4	455.7
127.5°	1011.6	1005.8	986.6	954.9	909.9	848.3	774.5	691.5	606.1	527.4	463.3
130°	978.0	970.9	953.1	922.9	879.3	820.6	750.2	673.7	595.4	525.9	469.0
132.5°	943.2	936.7	920.4	890.1	847.2	792.0	727.5	656.6	586.8	525.2	474.7
135°	887.3	883.7	867.7	838.3	800.0	750.2	691.5	632.8	574.9	524.1	481.4
137.5°	832.5	827.2	813.1	787.8	752.9	709.4	662.8	613.7	566.5	524.0	487.5
140°	794.7	789.4	776.1	752.9	724.4	685.3	644.4	601.6	561.6	523.3	490.4
142.5°	757.0	755.9	744.0	723.0	696.0	663.2	627.9	591.7	556.6	523.3	492.5
145°	708.4	705.7	696.9	681.7	660.3	634.5	607.0	577.6	550.0	521.5	494.8
147.5°	667.6	666.0	660.0	647.9	630.3	611.4	589.9	566.7	543.2	518.4	495.5
150°	643.5	642.6	637.2	626.5	613.1	597.2	578.5	558.9	537.5	516.2	494.8
152.5°	622.8	622.6	618.7	609.4	599.0	585.1	569.2	551.1	532.5	512.6	493.4
155°	595.4	597.2	593.6	587.4	577.6	567.8	554.5	540.2	523.3	506.4	491.2
157.5°	572.0	572.0	570.4	565.3	558.4	550.7	539.5	527.5	514.6	500.0	487.1
160°	557.1	557.1	556.2	551.8	545.5	539.3	529.5	519.7	508.2	495.7	485.0
162.5°	542.9	543.6	542.7	539.7	533.4	528.6	520.2	511.9	502.5	492.1	482.9
165°	522.4	523.3	523.3	519.7	516.2	512.6	506.4	500.2	493.0	485.0	478.8
167.5°	503.5	504.6	504.8	502.8	501.2	498.0	493.7	488.9	483.8	478.8	474.7
170°	492.1	493.9	494.8	492.1	491.2	489.5	485.9	483.2	478.8	475.2	472.6
172.5°	482.9	483.9	484.8	483.6	482.7	481.6	478.8	476.8	473.9	471.0	469.8
175°	470.8	472.6	473.5	472.6	472.6	471.7	470.8	469.9	467.3	466.4	465.5
177.5°	463.5	464.9	465.7	465.7	465.7	465.7	464.9	464.9	463.5	462.8	463.5
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1579.8	1576.0	1573.7	1565.1	1557.6	1550.0	1547.7	1548.5	1538.2	1528.2	1523.9
5°	1641.4	1629.5	1618.3	1602.3	1583.4	1562.6	1552.0	1543.7	1523.0	1500.6	1487.6
7.5°	1696.5	1679.5	1658.0	1627.9	1600.3	1567.7	1547.0	1528.7	1498.4	1466.7	1447.2
10°	1730.1	1707.0	1679.2	1642.5	1608.8	1569.1	1541.3	1513.6	1478.0	1440.2	1416.5
12.5°	1759.0	1727.9	1700.5	1653.4	1613.6	1564.0	1531.0	1491.7	1454.4	1409.4	1386.3
15°	1827.7	1770.3	1718.2	1665.0	1615.9	1546.7	1510.0	1457.3	1408.2	1352.6	1326.0
17.5°	1880.9	1816.4	1734.4	1666.7	1609.4	1532.8	1478.9	1415.8	1357.7	1294.1	1257.9
20°	1911.2	1837.2	1749.0	1668.6	1599.9	1512.3	1453.8	1389.3	1321.2	1249.6	1210.6
22.5°	1929.1	1851.4	1764.2	1661.4	1581.0	1495.8	1422.1	1351.4	1282.5	1205.1	1164.2
25°	1934.8	1863.9	1771.6	1655.6	1557.4	1460.9	1372.2	1303.5	1220.0	1147.9	1088.2
27.5°	1906.7	1855.7	1767.0	1644.4	1530.0	1417.2	1318.3	1240.5	1152.5	1074.2	1014.1
30°	1872.1	1842.5	1756.1	1633.1	1508.2	1387.0	1278.1	1189.9	1102.3	1023.1	961.5
32.5°	1818.6	1812.2	1736.3	1616.9	1485.1	1348.6	1235.9	1146.8	1049.8	971.9	913.2
35°	1713.5	1742.0	1694.0	1581.0	1441.4	1294.1	1172.2	1070.4	969.8	895.2	840.2
37.5°	1572.7	1643.2	1630.7	1528.3	1382.4	1234.7	1100.1	993.7	897.9	822.6	768.6
40°	1475.7	1565.6	1578.6	1488.1	1340.8	1188.7	1046.2	940.2	846.7	778.1	723.6
42.5°	1371.5	1476.6	1512.3	1439.8	1295.3	1140.4	997.8	888.1	795.6	728.9	680.6
45°	1197.0	1336.1	1400.5	1359.1	1219.5	1060.9	914.2	802.9	718.9	656.2	618.9
47.5°	1033.8	1185.7	1272.5	1257.8	1135.1	978.0	832.9	726.2	644.4	594.4	561.1
50°	918.3	1074.5	1179.2	1184.0	1074.5	918.9	773.4	672.8	597.6	550.9	523.6
52.5°	818.0	967.1	1081.3	1106.3	1006.8	857.4	719.9	619.7	553.6	510.6	486.2
55°	687.0	813.0	939.6	985.8	905.9	763.8	636.7	548.5	486.3	456.8	435.5
57.5°	571.1	676.2	793.1	844.1	794.9	673.3	554.0	477.5	427.0	401.2	384.9
60°	510.1	592.9	697.1	758.0	715.3	607.1	502.9	430.2	388.8	365.7	350.3
62.5°	453.3	526.6	614.7	670.4	647.2	545.1	451.8	387.5	351.8	330.2	319.1
65°	374.0	431.9	500.0	551.4	536.1	458.5	382.3	327.2	298.8	281.6	272.8
67.5°	307.9	349.8	397.0	442.1	429.7	374.8	313.4	270.6	249.5	234.7	229.3
70°	266.3	298.2	340.2	376.3	366.2	321.3	272.8	236.1	217.8	205.4	200.0
72.5°	226.5	252.8	284.8	314.3	307.6	270.2	229.7	202.0	187.9	176.5	172.1
75°	171.0	191.1	210.6	230.2	228.4	199.4	175.8	154.4	143.2	134.3	132.5
77.5°	126.3	137.5	150.8	162.4	159.2	142.6	124.0	111.8	103.5	97.6	96.7
80°	96.5	103.0	112.4	120.7	116.5	109.5	94.7	85.8	79.9	73.9	71.6
82.5°	69.9	76.4	82.1	86.6	83.5	76.8	67.7	61.6	58.1	54.0	53.1
85°	36.6	40.2	42.6	43.8	42.6	38.4	34.3	31.9	29.0	27.2	26.7
87.5°	19.0	17.7	16.9	17.3	15.5	15.2	12.6	10.6	10.6	10.9	10.3
90°	24.0	17.8	13.4	10.7	8.9	7.1	3.6	0.9	3.6	7.1	8.9
92.5°	88.8	60.5	40.4	32.0	25.9	22.1	15.7	10.9	15.7	22.1	25.9
95°	205.5	128.1	87.2	65.9	51.6	43.6	34.7	31.1	34.7	43.6	51.6
97.5°	277.0	169.1	117.6	93.5	77.0	65.0	55.6	50.7	55.6	65.0	77.0
100°	291.9	183.3	136.2	111.3	93.5	79.2	71.2	68.5	71.2	79.2	93.5
102.5°	292.7	196.2	152.6	127.6	109.1	94.9	86.9	84.9	86.9	94.9	109.1
105°	297.2	218.0	176.2	151.3	131.7	118.3	112.2	108.6	112.2	118.3	131.7
107.5°	309.5	240.5	199.9	174.8	155.4	143.1	137.1	134.2	137.1	143.1	155.4
110°	319.5	255.4	216.2	190.5	171.7	160.2	154.9	151.3	154.9	160.2	171.7



TEST NUMBER: P331404-940

CATALOG NUMBER: SA2XXDIP-C865D925U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	330.2	269.7	231.9	205.4	187.4	176.6	170.5	166.9	170.5	176.6	187.4
115°	346.2	291.9	253.6	229.6	211.8	201.2	195.8	191.4	195.8	201.2	211.8
117.5°	363.3	312.4	277.0	252.0	235.0	225.5	220.2	216.6	220.2	225.5	235.0
120°	374.7	326.6	291.9	267.0	249.1	241.2	235.9	232.3	235.9	241.2	249.1
122.5°	384.6	340.1	307.6	282.0	264.1	255.4	250.0	247.3	250.0	255.4	264.1
125°	400.5	360.4	328.4	303.4	285.7	275.0	269.7	267.0	269.7	275.0	285.7
127.5°	415.3	379.3	348.1	322.5	305.4	293.6	286.2	282.7	286.2	293.6	305.4
130°	424.5	390.7	359.5	334.7	316.8	304.3	295.4	291.9	295.4	304.3	316.8
132.5°	433.7	400.6	371.0	346.0	327.5	314.3	304.7	300.4	304.7	314.3	327.5
135°	445.9	414.7	386.2	361.3	340.8	327.5	316.8	313.3	316.8	327.5	340.8
137.5°	455.1	426.1	398.0	374.9	354.5	340.3	329.7	325.4	329.7	340.3	354.5
140°	460.1	432.5	405.8	382.7	363.1	348.8	338.2	334.7	338.2	348.8	363.1
142.5°	464.4	437.5	411.5	389.8	371.0	356.7	346.7	343.8	346.7	356.7	371.0
145°	469.9	445.0	421.0	401.4	383.6	370.2	361.3	357.8	361.3	370.2	383.6
147.5°	473.0	451.0	428.5	411.0	396.2	383.9	375.4	372.7	375.4	383.9	396.2
150°	474.3	453.9	433.4	417.4	404.0	392.4	385.3	382.7	385.3	392.4	404.0
152.5°	475.0	456.7	438.4	423.8	411.2	401.0	393.9	392.6	393.9	401.0	411.2
155°	476.1	461.0	445.9	432.5	422.8	413.0	407.6	406.7	407.6	413.0	422.8
157.5°	476.1	464.0	451.2	440.0	432.1	423.7	419.4	418.5	419.4	423.7	432.1
160°	476.1	465.5	454.8	445.0	437.8	430.7	427.2	426.3	427.2	430.7	437.8
162.5°	475.4	466.2	456.9	449.2	442.8	437.1	433.5	434.1	433.5	437.1	442.8
165°	473.5	467.3	459.2	453.9	449.4	444.1	442.3	443.2	442.3	444.1	449.4
167.5°	472.3	467.1	461.2	457.8	454.6	451.2	449.6	450.7	449.6	451.2	454.6
170°	470.8	466.4	461.9	459.2	457.4	454.8	453.9	455.7	453.9	454.8	457.4
172.5°	468.7	465.7	462.6	460.7	459.6	456.9	457.4	458.5	457.4	456.9	459.6
175°	466.4	464.6	462.8	461.9	461.9	460.1	461.0	461.9	461.0	460.1	461.9
177.5°	464.9	463.5	462.8	462.8	462.8	461.4	462.1	463.5	462.1	461.4	462.8
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331404-940

CATALOG NUMBER: SA2XXDIP-C865D925U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1519.2	1516.4	1506.5	1501.3	1492.7	1484.7	1479.4	1481.8	1483.7	1482.7	1481.4
5°	1475.7	1464.5	1447.2	1432.4	1421.8	1402.3	1394.0	1389.9	1386.3	1382.2	1378.0
7.5°	1423.9	1406.1	1381.4	1360.4	1340.5	1316.3	1302.4	1294.1	1285.7	1276.3	1268.0
10°	1387.0	1362.1	1336.1	1306.4	1282.8	1260.9	1241.4	1228.3	1216.6	1205.2	1197.0
12.5°	1348.1	1319.5	1287.3	1246.8	1220.8	1189.5	1186.4	1163.5	1145.0	1138.1	1128.4
15°	1286.4	1246.1	1205.2	1157.4	1136.7	1108.2	1090.5	1072.7	1056.8	1045.5	1042.6
17.5°	1216.2	1164.1	1123.5	1089.0	1055.1	1026.0	1009.7	995.5	982.3	967.3	965.3
20°	1162.7	1117.7	1073.4	1043.1	1008.3	978.7	958.5	944.3	933.1	924.3	916.5
22.5°	1112.1	1062.8	1022.2	989.2	954.8	930.9	915.0	901.3	891.9	882.1	874.9
25°	1030.7	992.3	947.9	910.6	882.2	866.8	853.8	842.0	836.1	829.6	821.3
27.5°	959.6	916.9	875.4	846.5	821.5	807.9	798.7	790.6	785.1	781.2	776.5
30°	909.5	866.2	833.7	805.3	784.6	771.0	765.1	760.4	753.9	751.4	749.1
32.5°	861.1	822.2	794.4	769.8	750.0	741.2	735.8	731.5	726.4	724.0	719.3
35°	792.9	760.4	733.1	719.5	703.6	695.8	691.7	685.8	681.0	678.7	678.1
37.5°	728.6	700.3	682.4	664.9	658.2	653.4	647.8	643.7	642.3	641.9	641.4
40°	687.0	663.9	647.9	633.7	630.7	623.7	618.9	615.4	615.4	616.0	615.4
42.5°	649.1	628.4	614.3	602.0	598.5	594.3	589.6	589.3	590.3	592.3	590.3
45°	591.7	576.9	566.9	560.9	554.4	550.3	549.7	551.4	552.1	552.7	554.4
47.5°	539.0	529.1	520.0	513.4	510.6	509.9	509.2	512.3	515.1	516.2	518.9
50°	507.7	496.4	488.7	484.6	482.2	481.1	482.2	485.8	488.1	491.1	492.8
52.5°	472.6	464.7	459.4	456.2	455.2	455.9	456.2	460.2	464.0	465.0	465.9
55°	424.3	418.3	417.1	411.8	414.2	413.6	416.5	418.9	422.5	426.1	426.6
57.5°	375.9	371.2	368.0	368.5	369.3	371.8	374.3	378.4	382.3	386.0	386.4
60°	343.8	341.4	339.7	339.7	340.8	344.4	347.3	351.4	353.8	356.2	357.9
62.5°	314.4	312.1	310.3	311.2	314.3	316.5	319.9	322.1	324.5	326.8	327.7
65°	268.0	266.9	268.7	269.8	270.4	273.4	277.5	279.3	281.6	282.9	287.0
67.5°	225.3	225.5	225.3	226.9	230.4	231.1	235.1	239.2	239.6	241.9	244.6
70°	196.4	197.6	198.9	200.0	203.0	204.1	207.1	208.8	211.2	213.0	214.8
72.5°	170.0	170.1	171.4	171.1	173.6	176.2	178.7	180.5	182.8	185.1	186.8
75°	130.7	130.7	132.0	132.5	135.5	138.5	137.9	139.0	141.4	143.7	145.0
77.5°	95.5	94.2	95.5	96.1	97.0	99.5	100.0	101.7	104.3	103.5	104.9
80°	72.8	71.0	72.8	73.4	73.4	76.3	76.3	77.5	79.3	77.5	79.3
82.5°	52.0	51.1	52.4	52.5	53.5	53.6	54.6	54.8	56.5	55.7	56.5
85°	26.0	25.4	26.0	25.4	26.0	26.7	26.7	26.0	26.0	27.2	25.4
87.5°	10.2	10.3	10.7	11.9	12.5	12.2	11.6	11.4	11.1	10.4	10.6
90°	10.7	13.4	17.8	24.0	29.3	30.2	29.3	28.4	26.7	28.4	29.3
92.5°	32.0	40.4	60.5	88.8	114.0	115.7	97.7	77.6	66.6	59.1	53.6
95°	65.9	87.2	128.1	205.5	308.8	348.8	305.2	233.2	178.9	141.5	121.9
97.5°	93.5	117.6	169.1	277.0	448.5	595.6	624.7	544.1	445.1	348.8	284.6
100°	111.3	136.2	183.3	291.9	484.1	703.0	831.3	812.5	702.1	580.2	472.6
102.5°	127.6	152.6	196.2	292.7	470.6	706.6	908.1	988.4	963.5	874.3	760.2
105°	151.3	176.2	218.0	297.2	444.1	659.4	896.2	1081.3	1181.9	1193.5	1164.0
107.5°	174.8	199.9	240.5	309.5	430.9	608.9	818.1	1014.4	1165.8	1258.4	1301.5
110°	190.5	216.2	255.4	319.5	428.1	584.7	768.9	956.7	1116.0	1229.9	1302.9



TEST NUMBER: P331404-940

CATALOG NUMBER: SA2XXDIP-C865D925U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	205.4	231.9	269.7	330.2	428.7	569.0	734.8	904.0	1056.9	1178.7	1262.3
115°	229.6	253.6	291.9	346.2	432.5	551.8	692.4	839.2	976.2	1092.9	1184.5
117.5°	252.0	277.0	312.4	363.3	438.9	543.4	665.7	790.4	910.8	1016.5	1102.5
120°	267.0	291.9	326.6	374.7	443.2	538.4	651.5	766.2	876.6	970.9	1052.0
122.5°	282.0	307.6	340.1	384.6	448.2	535.6	639.4	747.0	848.1	937.5	1010.7
125°	303.4	328.4	360.4	400.5	455.7	530.4	622.1	719.1	810.7	889.0	955.8
127.5°	322.5	348.1	379.3	415.3	463.3	527.4	606.1	691.5	774.5	848.3	909.9
130°	334.7	359.5	390.7	424.5	469.0	525.9	595.4	673.7	750.2	820.6	879.3
132.5°	346.0	371.0	400.6	433.7	474.7	525.2	586.8	656.6	727.5	792.0	847.2
135°	361.3	386.2	414.7	445.9	481.4	524.1	574.9	632.8	691.5	750.2	800.0
137.5°	374.9	398.0	426.1	455.1	487.5	524.0	566.5	613.7	662.8	709.4	752.9
140°	382.7	405.8	432.5	460.1	490.4	523.3	561.6	601.6	644.4	685.3	724.4
142.5°	389.8	411.5	437.5	464.4	492.5	523.3	556.6	591.7	627.9	663.2	696.0
145°	401.4	421.0	445.0	469.9	494.8	521.5	550.0	577.6	607.0	634.5	660.3
147.5°	411.0	428.5	451.0	473.0	495.5	518.4	543.2	566.7	589.9	611.4	630.3
150°	417.4	433.4	453.9	474.3	494.8	516.2	537.5	558.9	578.5	597.2	613.1
152.5°	423.8	438.4	456.7	475.0	493.4	512.6	532.5	551.1	569.2	585.1	599.0
155°	432.5	445.9	461.0	476.1	491.2	506.4	523.3	540.2	554.5	567.8	577.6
157.5°	440.0	451.2	464.0	476.1	487.1	500.0	514.6	527.5	539.5	550.7	558.4
160°	445.0	454.8	465.5	476.1	485.0	495.7	508.2	519.7	529.5	539.3	545.5
162.5°	449.2	456.9	466.2	475.4	482.9	492.1	502.5	511.9	520.2	528.6	533.4
165°	453.9	459.2	467.3	473.5	478.8	485.0	493.0	500.2	506.4	512.6	516.2
167.5°	457.8	461.2	467.1	472.3	474.7	478.8	483.8	488.9	493.7	498.0	501.2
170°	459.2	461.9	466.4	470.8	472.6	475.2	478.8	483.2	485.9	489.5	491.2
172.5°	460.7	462.6	465.7	468.7	469.8	471.0	473.9	476.8	478.8	481.6	482.7
175°	461.9	462.8	464.6	466.4	465.5	466.4	467.3	469.9	470.8	471.7	472.6
177.5°	462.8	462.8	463.5	464.9	463.5	462.8	463.5	464.9	464.9	465.7	465.7
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331404-940

CATALOG NUMBER: SA2XXDIP-C865D925U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1476.6	1475.7	1475.7	1471.4	1475.7	1475.7	1476.6	1481.4	1482.7	1483.7	1481.8
5°	1369.8	1368.0	1365.0	1368.0	1365.0	1368.0	1369.8	1378.0	1382.2	1386.3	1389.9
7.5°	1264.1	1257.0	1255.9	1248.9	1255.9	1257.0	1264.1	1268.0	1276.3	1285.7	1294.1
10°	1187.0	1182.2	1181.6	1170.4	1181.6	1182.2	1187.0	1197.0	1205.2	1216.6	1228.3
12.5°	1128.3	1116.9	1119.1	1112.6	1119.1	1116.9	1128.3	1128.4	1138.1	1145.0	1163.5
15°	1026.6	1026.6	1024.2	1014.1	1024.2	1026.6	1026.6	1042.6	1045.5	1056.8	1072.7
17.5°	953.6	952.3	946.7	949.6	946.7	952.3	953.6	965.3	967.3	982.3	995.5
20°	910.0	906.5	899.4	899.4	899.4	906.5	910.0	916.5	924.3	933.1	944.3
22.5°	868.9	868.6	861.0	863.4	861.0	868.6	868.9	874.9	882.1	891.9	901.3
25°	820.6	815.9	812.4	814.1	812.4	815.9	820.6	821.3	829.6	836.1	842.0
27.5°	775.0	772.4	772.1	767.3	772.1	772.4	775.0	776.5	781.2	785.1	790.6
30°	748.5	742.6	743.8	740.8	743.8	742.6	748.5	749.1	751.4	753.9	760.4
32.5°	718.2	716.0	714.9	712.4	714.9	716.0	718.2	719.3	724.0	726.4	731.5
35°	676.9	677.5	674.5	675.7	674.5	677.5	676.9	678.1	678.7	681.0	685.8
37.5°	640.8	642.7	641.3	641.7	641.3	642.7	640.8	641.4	641.9	642.3	643.7
40°	617.2	617.2	617.2	618.9	617.2	617.2	617.2	615.4	616.0	615.4	615.4
42.5°	594.4	593.4	592.5	592.4	592.5	593.4	594.4	590.3	592.3	590.3	589.3
45°	555.6	557.4	557.9	555.0	557.9	557.4	555.6	554.4	552.7	552.1	551.4
47.5°	520.5	520.7	520.5	523.1	520.5	520.7	520.5	518.9	516.2	515.1	512.3
50°	495.9	494.6	495.9	494.6	495.9	494.6	495.9	492.8	491.1	488.1	485.8
52.5°	469.8	470.0	469.3	469.1	469.3	470.0	469.8	465.9	465.0	464.0	460.2
55°	429.0	430.2	429.5	429.5	429.5	430.2	429.0	426.6	426.1	422.5	418.9
57.5°	386.7	387.8	388.6	386.0	388.6	387.8	386.7	386.4	386.0	382.3	378.4
60°	357.4	360.3	359.7	358.6	359.7	360.3	357.4	357.9	356.2	353.8	351.4
62.5°	330.4	331.4	331.4	331.1	331.4	331.4	330.4	327.7	326.8	324.5	322.1
65°	288.7	289.9	288.1	289.9	288.1	289.9	288.7	287.0	282.9	281.6	279.3
67.5°	243.9	244.2	245.6	246.4	245.6	244.2	243.9	244.6	241.9	239.6	239.2
70°	216.0	215.3	217.1	218.9	217.1	215.3	216.0	214.8	213.0	211.2	208.8
72.5°	186.6	187.9	187.3	188.6	187.3	187.9	186.6	186.8	185.1	182.8	180.5
75°	143.7	145.5	145.0	146.8	145.0	145.5	143.7	145.0	143.7	141.4	139.0
77.5°	103.9	104.2	103.9	104.9	103.9	104.2	103.9	104.9	103.5	104.3	101.7
80°	79.3	78.1	77.0	79.3	77.0	78.1	79.3	79.3	77.5	79.3	77.5
82.5°	55.1	55.8	54.7	54.7	54.7	55.8	55.1	56.5	55.7	56.5	54.8
85°	25.4	24.9	23.6	23.6	23.6	24.9	25.4	25.4	27.2	26.0	26.0
87.5°	10.6	10.2	10.2	9.6	10.2	10.2	10.6	10.6	10.4	11.1	11.4
90°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	28.4	26.7	28.4
92.5°	52.9	50.0	50.7	49.3	50.7	50.0	52.9	53.6	59.1	66.6	77.6
95°	110.4	103.3	100.6	101.5	100.6	103.3	110.4	121.9	141.5	178.9	233.2
97.5°	242.1	220.2	207.1	199.7	207.1	220.2	242.1	284.6	348.8	445.1	544.1
100°	398.7	360.4	334.7	318.6	334.7	360.4	398.7	472.6	580.2	702.1	812.5
102.5°	679.9	614.6	582.4	560.7	582.4	614.6	679.9	760.2	874.3	963.5	988.4
105°	1108.8	1053.7	1015.4	1003.0	1015.4	1053.7	1108.8	1164.0	1193.5	1181.9	1081.3
107.5°	1308.4	1305.4	1297.7	1281.2	1297.7	1305.4	1308.4	1301.5	1258.4	1165.8	1014.4
110°	1341.1	1358.1	1366.1	1365.2	1366.1	1358.1	1341.1	1302.9	1229.9	1116.0	956.7



TEST NUMBER: P331404-940

CATALOG NUMBER: SA2XXDIP-C865D925U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1315.5	1343.8	1359.0	1363.8	1359.0	1343.8	1315.5	1262.3	1178.7	1056.9	904.0
115°	1247.7	1288.6	1311.8	1319.8	1311.8	1288.6	1247.7	1184.5	1092.9	976.2	839.2
117.5°	1166.9	1210.1	1234.6	1241.3	1234.6	1210.1	1166.9	1102.5	1016.5	910.8	790.4
120°	1114.2	1156.0	1181.9	1190.8	1181.9	1156.0	1114.2	1052.0	970.9	876.6	766.2
122.5°	1066.5	1107.6	1130.6	1138.1	1130.6	1107.6	1066.5	1010.7	937.5	848.1	747.0
125°	1007.5	1041.3	1063.5	1070.6	1063.5	1041.3	1007.5	955.8	889.0	810.7	719.1
127.5°	954.9	986.6	1005.8	1011.6	1005.8	986.6	954.9	909.9	848.3	774.5	691.5
130°	922.9	953.1	970.9	978.0	970.9	953.1	922.9	879.3	820.6	750.2	673.7
132.5°	890.1	920.4	936.7	943.2	936.7	920.4	890.1	847.2	792.0	727.5	656.6
135°	838.3	867.7	883.7	887.3	883.7	867.7	838.3	800.0	750.2	691.5	632.8
137.5°	787.8	813.1	827.2	832.5	827.2	813.1	787.8	752.9	709.4	662.8	613.7
140°	752.9	776.1	789.4	794.7	789.4	776.1	752.9	724.4	685.3	644.4	601.6
142.5°	723.0	744.0	755.9	757.0	755.9	744.0	723.0	696.0	663.2	627.9	591.7
145°	681.7	696.9	705.7	708.4	705.7	696.9	681.7	660.3	634.5	607.0	577.6
147.5°	647.9	660.0	666.0	667.6	666.0	660.0	647.9	630.3	611.4	589.9	566.7
150°	626.5	637.2	642.6	643.5	642.6	637.2	626.5	613.1	597.2	578.5	558.9
152.5°	609.4	618.7	622.6	622.8	622.6	618.7	609.4	599.0	585.1	569.2	551.1
155°	587.4	593.6	597.2	595.4	597.2	593.6	587.4	577.6	567.8	554.5	540.2
157.5°	565.3	570.4	572.0	572.0	572.0	570.4	565.3	558.4	550.7	539.5	527.5
160°	551.8	556.2	557.1	557.1	557.1	556.2	551.8	545.5	539.3	529.5	519.7
162.5°	539.7	542.7	543.6	542.9	543.6	542.7	539.7	533.4	528.6	520.2	511.9
165°	519.7	523.3	523.3	522.4	523.3	523.3	519.7	516.2	512.6	506.4	500.2
167.5°	502.8	504.8	504.6	503.5	504.6	504.8	502.8	501.2	498.0	493.7	488.9
170°	492.1	494.8	493.9	492.1	493.9	494.8	492.1	491.2	489.5	485.9	483.2
172.5°	483.6	484.8	483.9	482.9	483.9	484.8	483.6	482.7	481.6	478.8	476.8
175°	472.6	473.5	472.6	470.8	472.6	473.5	472.6	472.6	471.7	470.8	469.9
177.5°	465.7	465.7	464.9	463.5	464.9	465.7	465.7	465.7	465.7	464.9	464.9
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331404-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1479.4	1484.7	1492.7	1501.3	1506.5	1516.4	1519.2	1523.9	1528.2	1538.2	1548.5
5°	1394.0	1402.3	1421.8	1432.4	1447.2	1464.5	1475.7	1487.6	1500.6	1523.0	1543.7
7.5°	1302.4	1316.3	1340.5	1360.4	1381.4	1406.1	1423.9	1447.2	1466.7	1498.4	1528.7
10°	1241.4	1260.9	1282.8	1306.4	1336.1	1362.1	1387.0	1416.5	1440.2	1478.0	1513.6
12.5°	1186.4	1189.5	1220.8	1246.8	1287.3	1319.5	1348.1	1386.3	1409.4	1454.4	1491.7
15°	1090.5	1108.2	1136.7	1157.4	1205.2	1246.1	1286.4	1326.0	1352.6	1408.2	1457.3
17.5°	1009.7	1026.0	1055.1	1089.0	1123.5	1164.1	1216.2	1257.9	1294.1	1357.7	1415.8
20°	958.5	978.7	1008.3	1043.1	1073.4	1117.7	1162.7	1210.6	1249.6	1321.2	1389.3
22.5°	915.0	930.9	954.8	989.2	1022.2	1062.8	1112.1	1164.2	1205.1	1282.5	1351.4
25°	853.8	866.8	882.2	910.6	947.9	992.3	1030.7	1088.2	1147.9	1220.0	1303.5
27.5°	798.7	807.9	821.5	846.5	875.4	916.9	959.6	1014.1	1074.2	1152.5	1240.5
30°	765.1	771.0	784.6	805.3	833.7	866.2	909.5	961.5	1023.1	1102.3	1189.9
32.5°	735.8	741.2	750.0	769.8	794.4	822.2	861.1	913.2	971.9	1049.8	1146.8
35°	691.7	695.8	703.6	719.5	733.1	760.4	792.9	840.2	895.2	969.8	1070.4
37.5°	647.8	653.4	658.2	664.9	682.4	700.3	728.6	768.6	822.6	897.9	993.7
40°	618.9	623.7	630.7	633.7	647.9	663.9	687.0	723.6	778.1	846.7	940.2
42.5°	589.6	594.3	598.5	602.0	614.3	628.4	649.1	680.6	728.9	795.6	888.1
45°	549.7	550.3	554.4	560.9	566.9	576.9	591.7	618.9	656.2	718.9	802.9
47.5°	509.2	509.9	510.6	513.4	520.0	529.1	539.0	561.1	594.4	644.4	726.2
50°	482.2	481.1	482.2	484.6	488.7	496.4	507.7	523.6	550.9	597.6	672.8
52.5°	456.2	455.9	455.2	456.2	459.4	464.7	472.6	486.2	510.6	553.6	619.7
55°	416.5	413.6	414.2	411.8	417.1	418.3	424.3	435.5	456.8	486.3	548.5
57.5°	374.3	371.8	369.3	368.5	368.0	371.2	375.9	384.9	401.2	427.0	477.5
60°	347.3	344.4	340.8	339.7	339.7	341.4	343.8	350.3	365.7	388.8	430.2
62.5°	319.9	316.5	314.3	311.2	310.3	312.1	314.4	319.1	330.2	351.8	387.5
65°	277.5	273.4	270.4	269.8	268.7	266.9	268.0	272.8	281.6	298.8	327.2
67.5°	235.1	231.1	230.4	226.9	225.3	225.5	225.3	229.3	234.7	249.5	270.6
70°	207.1	204.1	203.0	200.0	198.9	197.6	196.4	200.0	205.4	217.8	236.1
72.5°	178.7	176.2	173.6	171.1	171.4	170.1	170.0	172.1	176.5	187.9	202.0
75°	137.9	138.5	135.5	132.5	132.0	130.7	130.7	132.5	134.3	143.2	154.4
77.5°	100.0	99.5	97.0	96.1	95.5	94.2	95.5	96.7	97.6	103.5	111.8
80°	76.3	76.3	73.4	73.4	72.8	71.0	72.8	71.6	73.9	79.9	85.8
82.5°	54.6	53.6	53.5	52.5	52.4	51.1	52.0	53.1	54.0	58.1	61.6
85°	26.7	26.7	26.0	25.4	26.0	25.4	26.0	26.7	27.2	29.0	31.9
87.5°	11.6	12.2	12.5	11.9	10.7	10.3	10.2	10.3	10.9	10.6	10.6
90°	29.3	30.2	29.3	24.0	17.8	13.4	10.7	8.9	7.1	3.6	0.9
92.5°	97.7	115.7	114.0	88.8	60.5	40.4	32.0	25.9	22.1	15.7	10.9
95°	305.2	348.8	308.8	205.5	128.1	87.2	65.9	51.6	43.6	34.7	31.1
97.5°	624.7	595.6	448.5	277.0	169.1	117.6	93.5	77.0	65.0	55.6	50.7
100°	831.3	703.0	484.1	291.9	183.3	136.2	111.3	93.5	79.2	71.2	68.5
102.5°	908.1	706.6	470.6	292.7	196.2	152.6	127.6	109.1	94.9	86.9	84.9
105°	896.2	659.4	444.1	297.2	218.0	176.2	151.3	131.7	118.3	112.2	108.6
107.5°	818.1	608.9	430.9	309.5	240.5	199.9	174.8	155.4	143.1	137.1	134.2
110°	768.9	584.7	428.1	319.5	255.4	216.2	190.5	171.7	160.2	154.9	151.3



TEST NUMBER: P331404-940

CATALOG NUMBER: SA2XXDIP-C865D925U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	734.8	569.0	428.7	330.2	269.7	231.9	205.4	187.4	176.6	170.5	166.9
115°	692.4	551.8	432.5	346.2	291.9	253.6	229.6	211.8	201.2	195.8	191.4
117.5°	665.7	543.4	438.9	363.3	312.4	277.0	252.0	235.0	225.5	220.2	216.6
120°	651.5	538.4	443.2	374.7	326.6	291.9	267.0	249.1	241.2	235.9	232.3
122.5°	639.4	535.6	448.2	384.6	340.1	307.6	282.0	264.1	255.4	250.0	247.3
125°	622.1	530.4	455.7	400.5	360.4	328.4	303.4	285.7	275.0	269.7	267.0
127.5°	606.1	527.4	463.3	415.3	379.3	348.1	322.5	305.4	293.6	286.2	282.7
130°	595.4	525.9	469.0	424.5	390.7	359.5	334.7	316.8	304.3	295.4	291.9
132.5°	586.8	525.2	474.7	433.7	400.6	371.0	346.0	327.5	314.3	304.7	300.4
135°	574.9	524.1	481.4	445.9	414.7	386.2	361.3	340.8	327.5	316.8	313.3
137.5°	566.5	524.0	487.5	455.1	426.1	398.0	374.9	354.5	340.3	329.7	325.4
140°	561.6	523.3	490.4	460.1	432.5	405.8	382.7	363.1	348.8	338.2	334.7
142.5°	556.6	523.3	492.5	464.4	437.5	411.5	389.8	371.0	356.7	346.7	343.8
145°	550.0	521.5	494.8	469.9	445.0	421.0	401.4	383.6	370.2	361.3	357.8
147.5°	543.2	518.4	495.5	473.0	451.0	428.5	411.0	396.2	383.9	375.4	372.7
150°	537.5	516.2	494.8	474.3	453.9	433.4	417.4	404.0	392.4	385.3	382.7
152.5°	532.5	512.6	493.4	475.0	456.7	438.4	423.8	411.2	401.0	393.9	392.6
155°	523.3	506.4	491.2	476.1	461.0	445.9	432.5	422.8	413.0	407.6	406.7
157.5°	514.6	500.0	487.1	476.1	464.0	451.2	440.0	432.1	423.7	419.4	418.5
160°	508.2	495.7	485.0	476.1	465.5	454.8	445.0	437.8	430.7	427.2	426.3
162.5°	502.5	492.1	482.9	475.4	466.2	456.9	449.2	442.8	437.1	433.5	434.1
165°	493.0	485.0	478.8	473.5	467.3	459.2	453.9	449.4	444.1	442.3	443.2
167.5°	483.8	478.8	474.7	472.3	467.1	461.2	457.8	454.6	451.2	449.6	450.7
170°	478.8	475.2	472.6	470.8	466.4	461.9	459.2	457.4	454.8	453.9	455.7
172.5°	473.9	471.0	469.8	468.7	465.7	462.6	460.7	459.6	456.9	457.4	458.5
175°	467.3	466.4	465.5	466.4	464.6	462.8	461.9	461.9	460.1	461.0	461.9
177.5°	463.5	462.8	463.5	464.9	463.5	462.8	462.8	462.8	461.4	462.1	463.5
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331404-940

CATALOG NUMBER: SA2XXDIP-C865D925U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1547.7	1550.0	1557.6	1565.1	1573.7	1576.0	1579.8	1576.5	1575.6	1584.6	1591.2
5°	1552.0	1562.6	1583.4	1602.3	1618.3	1629.5	1641.4	1646.1	1654.9	1667.4	1682.7
7.5°	1547.0	1567.7	1600.3	1627.9	1658.0	1679.5	1696.5	1710.9	1728.5	1752.0	1777.7
10°	1541.3	1569.1	1608.8	1642.5	1679.2	1707.0	1730.1	1752.6	1778.6	1811.2	1844.9
12.5°	1531.0	1564.0	1613.6	1653.4	1700.5	1727.9	1759.0	1807.5	1835.4	1880.8	1928.2
15°	1510.0	1546.7	1615.9	1665.0	1718.2	1770.3	1827.7	1873.9	1920.0	1946.7	2013.6
17.5°	1478.9	1532.8	1609.4	1666.7	1734.4	1816.4	1880.9	1933.1	1986.5	2029.6	2063.2
20°	1453.8	1512.3	1599.9	1668.6	1749.0	1837.2	1911.2	1964.4	2010.5	2046.7	2067.3
22.5°	1422.1	1495.8	1581.0	1661.4	1764.2	1851.4	1929.1	1971.0	2009.6	2027.2	2035.2
25°	1372.2	1460.9	1557.4	1655.6	1771.6	1863.9	1934.8	1960.2	1971.5	1954.4	1925.9
27.5°	1318.3	1417.2	1530.0	1644.4	1767.0	1855.7	1906.7	1902.6	1883.6	1828.1	1783.7
30°	1278.1	1387.0	1508.2	1633.1	1756.1	1842.5	1872.1	1842.5	1799.3	1737.2	1673.9
32.5°	1235.9	1348.6	1485.1	1616.9	1736.3	1812.2	1818.6	1767.7	1700.8	1630.2	1551.3
35°	1172.2	1294.1	1441.4	1581.0	1694.0	1742.0	1713.5	1623.6	1544.4	1447.9	1340.2
37.5°	1100.1	1234.7	1382.4	1528.3	1630.7	1643.2	1572.7	1478.0	1366.2	1252.9	1126.1
40°	1046.2	1188.7	1340.8	1488.1	1578.6	1565.6	1475.7	1371.5	1238.4	1099.9	982.2
42.5°	997.8	1140.4	1295.3	1439.8	1512.3	1476.6	1371.5	1243.8	1100.6	970.3	862.5
45°	914.2	1060.9	1219.5	1359.1	1400.5	1336.1	1197.0	1055.0	914.2	805.3	720.1
47.5°	832.9	978.0	1135.1	1257.8	1272.5	1185.7	1033.8	887.7	766.6	678.0	617.9
50°	773.4	918.9	1074.5	1184.0	1179.2	1074.5	918.3	779.3	678.1	606.5	566.2
52.5°	719.9	857.4	1006.8	1106.3	1081.3	967.1	818.0	694.6	611.4	555.4	518.9
55°	636.7	763.8	905.9	985.8	939.6	813.0	687.0	587.5	526.0	484.0	455.6
57.5°	554.0	673.3	794.9	844.1	793.1	676.2	571.1	499.0	452.7	421.6	403.1
60°	502.9	607.1	715.3	758.0	697.1	592.9	510.1	445.6	408.2	382.8	366.2
62.5°	451.8	545.1	647.2	670.4	614.7	526.6	453.3	399.7	369.0	346.3	330.7
65°	382.3	458.5	536.1	551.4	500.0	431.9	374.0	339.0	311.8	295.2	282.9
67.5°	313.4	374.8	429.7	442.1	397.0	349.8	307.9	277.5	259.0	245.3	234.8
70°	272.8	321.3	366.2	376.3	340.2	298.2	266.3	242.0	225.4	213.6	203.6
72.5°	229.7	270.2	307.6	314.3	284.8	252.8	226.5	207.4	192.8	185.2	175.6
75°	175.8	199.4	228.4	230.2	210.6	191.1	171.0	158.5	150.9	141.4	136.7
77.5°	124.0	142.6	159.2	162.4	150.8	137.5	126.3	116.5	109.9	105.6	101.2
80°	94.7	109.5	116.5	120.7	112.4	103.0	96.5	90.0	85.8	82.8	79.9
82.5°	67.7	76.8	83.5	86.6	82.1	76.4	69.9	66.3	63.0	60.5	59.6
85°	34.3	38.4	42.6	43.8	42.6	40.2	36.6	36.6	34.9	34.3	34.3
87.5°	12.6	15.2	15.5	17.3	16.9	17.7	19.0	19.6	19.4	18.6	18.0
90°	3.6	7.1	8.9	10.7	13.4	17.8	24.0	29.3	30.2	29.3	28.4
92.5°	15.7	22.1	25.9	32.0	40.4	60.5	88.8	114.0	115.7	97.7	77.6
95°	34.7	43.6	51.6	65.9	87.2	128.1	205.5	308.8	348.8	305.2	233.2
97.5°	55.6	65.0	77.0	93.5	117.6	169.1	277.0	448.5	595.6	624.7	544.1
100°	71.2	79.2	93.5	111.3	136.2	183.3	291.9	484.1	703.0	831.3	812.5
102.5°	86.9	94.9	109.1	127.6	152.6	196.2	292.7	470.6	706.6	908.1	988.4
105°	112.2	118.3	131.7	151.3	176.2	218.0	297.2	444.1	659.4	896.2	1081.3
107.5°	137.1	143.1	155.4	174.8	199.9	240.5	309.5	430.9	608.9	818.1	1014.4
110°	154.9	160.2	171.7	190.5	216.2	255.4	319.5	428.1	584.7	768.9	956.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	170.5	176.6	187.4	205.4	231.9	269.7	330.2	428.7	569.0	734.8	904.0
115°	195.8	201.2	211.8	229.6	253.6	291.9	346.2	432.5	551.8	692.4	839.2
117.5°	220.2	225.5	235.0	252.0	277.0	312.4	363.3	438.9	543.4	665.7	790.4
120°	235.9	241.2	249.1	267.0	291.9	326.6	374.7	443.2	538.4	651.5	766.2
122.5°	250.0	255.4	264.1	282.0	307.6	340.1	384.6	448.2	535.6	639.4	747.0
125°	269.7	275.0	285.7	303.4	328.4	360.4	400.5	455.7	530.4	622.1	719.1
127.5°	286.2	293.6	305.4	322.5	348.1	379.3	415.3	463.3	527.4	606.1	691.5
130°	295.4	304.3	316.8	334.7	359.5	390.7	424.5	469.0	525.9	595.4	673.7
132.5°	304.7	314.3	327.5	346.0	371.0	400.6	433.7	474.7	525.2	586.8	656.6
135°	316.8	327.5	340.8	361.3	386.2	414.7	445.9	481.4	524.1	574.9	632.8
137.5°	329.7	340.3	354.5	374.9	398.0	426.1	455.1	487.5	524.0	566.5	613.7
140°	338.2	348.8	363.1	382.7	405.8	432.5	460.1	490.4	523.3	561.6	601.6
142.5°	346.7	356.7	371.0	389.8	411.5	437.5	464.4	492.5	523.3	556.6	591.7
145°	361.3	370.2	383.6	401.4	421.0	445.0	469.9	494.8	521.5	550.0	577.6
147.5°	375.4	383.9	396.2	411.0	428.5	451.0	473.0	495.5	518.4	543.2	566.7
150°	385.3	392.4	404.0	417.4	433.4	453.9	474.3	494.8	516.2	537.5	558.9
152.5°	393.9	401.0	411.2	423.8	438.4	456.7	475.0	493.4	512.6	532.5	551.1
155°	407.6	413.0	422.8	432.5	445.9	461.0	476.1	491.2	506.4	523.3	540.2
157.5°	419.4	423.7	432.1	440.0	451.2	464.0	476.1	487.1	500.0	514.6	527.5
160°	427.2	430.7	437.8	445.0	454.8	465.5	476.1	485.0	495.7	508.2	519.7
162.5°	433.5	437.1	442.8	449.2	456.9	466.2	475.4	482.9	492.1	502.5	511.9
165°	442.3	444.1	449.4	453.9	459.2	467.3	473.5	478.8	485.0	493.0	500.2
167.5°	449.6	451.2	454.6	457.8	461.2	467.1	472.3	474.7	478.8	483.8	488.9
170°	453.9	454.8	457.4	459.2	461.9	466.4	470.8	472.6	475.2	478.8	483.2
172.5°	457.4	456.9	459.6	460.7	462.6	465.7	468.7	469.8	471.0	473.9	476.8
175°	461.0	460.1	461.9	461.9	462.8	464.6	466.4	465.5	466.4	467.3	469.9
177.5°	462.1	461.4	462.8	462.8	462.8	463.5	464.9	463.5	462.8	463.5	464.9
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5	1539.5
2.5°	1596.9	1603.5	1603.5	1604.5	1612.0	1611.1	1610.6
5°	1699.3	1709.4	1710.6	1721.3	1728.3	1726.0	1719.5
7.5°	1796.0	1814.7	1828.9	1836.8	1846.2	1852.0	1849.4
10°	1872.7	1899.9	1916.5	1927.7	1941.3	1951.4	1947.9
12.5°	1942.3	1974.7	1997.4	2016.7	2018.5	2031.4	2022.7
15°	2050.8	2085.1	2088.7	2102.8	2114.2	2112.9	2113.5
17.5°	2086.7	2097.7	2099.9	2100.2	2100.4	2096.2	2087.2
20°	2073.9	2069.7	2059.7	2052.0	2038.4	2036.6	2024.8
22.5°	2013.3	2000.2	1975.0	1958.3	1937.1	1931.5	1928.2
25°	1894.0	1865.0	1824.8	1786.3	1775.7	1755.0	1760.9
27.5°	1730.4	1685.2	1641.6	1610.3	1582.1	1551.0	1560.0
30°	1615.3	1564.4	1502.9	1455.5	1425.4	1395.8	1390.4
32.5°	1478.0	1403.5	1334.9	1293.2	1247.0	1228.2	1207.7
35°	1241.4	1168.6	1100.5	1042.0	1008.3	982.2	958.5
37.5°	1028.5	944.7	889.7	842.3	818.0	803.1	806.8
40°	896.4	823.0	782.8	746.7	724.2	713.5	716.0
42.5°	789.4	734.5	701.4	676.6	660.8	654.9	653.4
45°	668.0	637.2	610.0	595.8	588.2	581.7	577.5
47.5°	585.1	560.1	544.7	536.3	529.6	522.9	522.8
50°	535.5	518.9	508.3	499.4	494.1	489.4	493.5
52.5°	497.6	482.5	471.8	463.9	461.9	457.6	457.5
55°	441.4	429.5	421.9	414.7	411.3	408.8	405.9
57.5°	390.3	379.1	371.9	367.5	360.7	358.3	357.4
60°	353.8	344.9	337.9	331.9	329.0	324.2	324.2
62.5°	320.2	311.4	304.7	300.2	295.3	293.5	294.0
65°	271.6	264.5	258.0	253.2	252.1	248.5	249.7
67.5°	226.9	222.1	215.3	212.7	210.4	208.5	207.1
70°	197.1	192.3	188.8	185.2	183.4	183.4	183.4
72.5°	171.9	166.3	164.2	159.6	160.7	158.8	156.9
75°	133.1	129.6	127.8	126.0	123.1	123.1	123.1
77.5°	98.0	96.9	94.8	92.9	92.2	91.6	91.8
80°	75.7	75.2	73.9	73.9	72.8	72.2	71.0
82.5°	58.2	56.7	56.0	55.5	55.3	55.1	54.9
85°	33.2	31.9	31.9	32.5	31.4	31.4	31.9
87.5°	18.1	18.5	18.2	18.2	18.6	18.2	18.2
90°	26.7	28.4	29.3	29.3	29.3	29.3	29.3
92.5°	66.6	59.1	53.6	52.9	50.0	50.7	49.3
95°	178.9	141.5	121.9	110.4	103.3	100.6	101.5
97.5°	445.1	348.8	284.6	242.1	220.2	207.1	199.7
100°	702.1	580.2	472.6	398.7	360.4	334.7	318.6
102.5°	963.5	874.3	760.2	679.9	614.6	582.4	560.7
105°	1181.9	1193.5	1164.0	1108.8	1053.7	1015.4	1003.0
107.5°	1165.8	1258.4	1301.5	1308.4	1305.4	1297.7	1281.2
110°	1116.0	1229.9	1302.9	1341.1	1358.1	1366.1	1365.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1056.9	1178.7	1262.3	1315.5	1343.8	1359.0	1363.8
115°	976.2	1092.9	1184.5	1247.7	1288.6	1311.8	1319.8
117.5°	910.8	1016.5	1102.5	1166.9	1210.1	1234.6	1241.3
120°	876.6	970.9	1052.0	1114.2	1156.0	1181.9	1190.8
122.5°	848.1	937.5	1010.7	1066.5	1107.6	1130.6	1138.1
125°	810.7	889.0	955.8	1007.5	1041.3	1063.5	1070.6
127.5°	774.5	848.3	909.9	954.9	986.6	1005.8	1011.6
130°	750.2	820.6	879.3	922.9	953.1	970.9	978.0
132.5°	727.5	792.0	847.2	890.1	920.4	936.7	943.2
135°	691.5	750.2	800.0	838.3	867.7	883.7	887.3
137.5°	662.8	709.4	752.9	787.8	813.1	827.2	832.5
140°	644.4	685.3	724.4	752.9	776.1	789.4	794.7
142.5°	627.9	663.2	696.0	723.0	744.0	755.9	757.0
145°	607.0	634.5	660.3	681.7	696.9	705.7	708.4
147.5°	589.9	611.4	630.3	647.9	660.0	666.0	667.6
150°	578.5	597.2	613.1	626.5	637.2	642.6	643.5
152.5°	569.2	585.1	599.0	609.4	618.7	622.6	622.8
155°	554.5	567.8	577.6	587.4	593.6	597.2	595.4
157.5°	539.5	550.7	558.4	565.3	570.4	572.0	572.0
160°	529.5	539.3	545.5	551.8	556.2	557.1	557.1
162.5°	520.2	528.6	533.4	539.7	542.7	543.6	542.9
165°	506.4	512.6	516.2	519.7	523.3	523.3	522.4
167.5°	493.7	498.0	501.2	502.8	504.8	504.6	503.5
170°	485.9	489.5	491.2	492.1	494.8	493.9	492.1
172.5°	478.8	481.6	482.7	483.6	484.8	483.9	482.9
175°	470.8	471.7	472.6	472.6	473.5	472.6	470.8
177.5°	464.9	465.7	465.7	465.7	465.7	464.9	463.5
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8

(END OF REPORT)