

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: P331725-940

Luminaire Tested: **SA2XXRDIP-C865D925U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331725-940  
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: SA2XXRDIP-C865D925U940-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

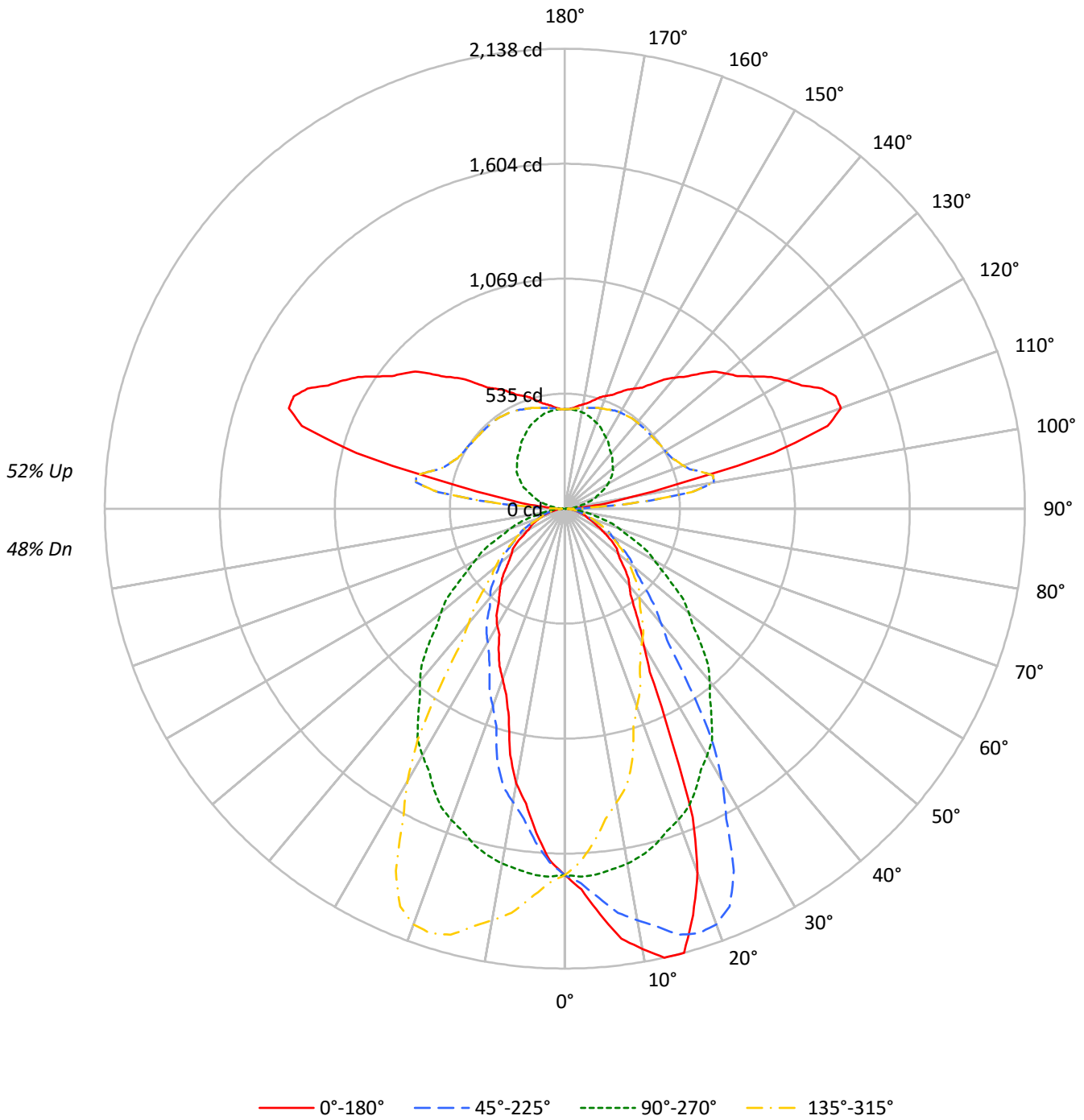
Lumens per Lamp: N/A  
Luminaire Lumens: 6167.3 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 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	50	30	10	0	
RCR																						
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	48				
1	98	94	90	87	90	87	84	81	73	71	69	60	59	58	49	48	47	42				
2	90	83	77	72	83	77	72	68	65	61	58	54	52	49	44	42	41	36				
3	83	74	67	61	76	68	62	57	58	54	50	49	45	43	40	38	36	32				
4	76	66	58	53	70	61	55	49	52	47	43	44	40	37	36	34	32	28				
5	70	59	51	46	64	55	48	43	47	42	38	40	36	33	33	30	28	25				
6	65	53	46	40	60	50	43	38	43	38	34	36	32	29	30	27	25	22				
7	60	48	41	36	55	45	38	34	39	34	30	33	29	26	28	25	23	20				
8	56	44	37	32	52	41	35	30	36	31	27	31	27	24	26	23	21	18				
9	52	41	33	29	48	38	32	27	33	28	24	28	24	22	24	21	19	17				
10	49	37	30	26	45	35	29	25	31	26	22	26	23	20	22	20	17	16				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	27493	27493	27493	27493
5°	30705	27665	24530	27665
10°	34067	27471	21263	27471
15°	35741	27067	16754	27067
20°	30986	26472	14496	26472
25°	20322	25655	12944	25655
30°	13679	24664	11714	24664
35°	11077	23416	10565	23416
40°	9851	22059	9778	22059
45°	8917	20466	8727	20466
50°	8116	18889	8083	18889
55°	7628	17140	7527	17140
60°	6381	15532	6307	15532
65°	5379	14105	6101	14105
70°	4971	12595	5755	12595
75°	4648	10967	5315	10967
80°	4296	9019	4733	9019
85°	3946	7114	4168	7114



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.4	2.6
10°-20°	449.8	7.3
20°-30°	579.6	9.4
30°-40°	550.8	8.9
40°-50°	471.8	7.7
50°-60°	359.3	5.8
60°-70°	227.1	3.7
70°-80°	113.4	1.8
80°-90°	33.7	0.5
90°-100°	185.0	3.0
100°-110°	627.9	10.2
110°-120°	667.1	10.8
120°-130°	549.1	8.9
130°-140°	441.0	7.2
140°-150°	333.2	5.4
150°-160°	234.2	3.8
160°-170°	137.9	2.2
170°-180°	44.9	0.7
0°-30°	1190.8	19.3
0°-40°	1741.6	28.2
0°-60°	2572.7	41.7
0°-90°	2947.0	47.8
90°-120°	1480.0	24.0
90°-150°	2803.4	45.5
90°-180°	3220.0	52.2
0°-180°	6167.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1703	1703	1703	1703	1703	
5°	1894	1707	1514	1707	1894	187
15°	2138	1619	1002	1619	2138	577
25°	1141	1440	727	1440	1141	541
35°	562	1188	536	1188	562	360
45°	390	896	382	896	390	302
55°	271	609	267	609	271	238
65°	141	369	160	369	141	143
75°	74	176	85	176	74	79
85°	21	38	22	38	21	24
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°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1771.9	1773.3	1774.8	1771.4	1771.4	1768.6	1762.5	1757.7	1744.5	1742.6	1742.6
5°	1894.5	1893.3	1895.7	1888.0	1877.3	1875.0	1863.8	1849.0	1833.5	1816.4	1812.8
7.5°	2016.3	2014.6	2009.8	2008.6	2000.4	1982.5	1964.4	1945.2	1919.6	1894.6	1882.0
10°	2077.9	2097.4	2085.6	2064.8	2069.0	2041.2	2026.4	2001.0	1979.7	1942.4	1934.1
12.5°	2138.5	2146.2	2142.4	2130.7	2125.4	2106.0	2086.1	2064.0	2024.6	1991.2	1962.0
15°	2138.2	2149.5	2152.4	2148.9	2151.9	2150.7	2140.0	2121.6	2087.4	2050.7	2018.7
17.5°	1980.4	1988.2	2007.6	2020.7	2037.3	2072.3	2089.6	2096.3	2091.2	2070.3	2047.8
20°	1803.4	1790.4	1844.8	1872.6	1896.2	1955.4	2006.3	2025.9	2057.2	2056.6	2050.7
22.5°	1552.5	1555.6	1607.2	1640.2	1709.3	1768.4	1826.5	1900.0	1960.6	2000.7	2024.2
25°	1140.7	1163.2	1214.7	1259.6	1336.6	1446.6	1546.6	1662.6	1772.0	1858.4	1940.6
27.5°	856.8	858.4	899.2	940.8	986.4	1076.6	1202.5	1341.0	1497.0	1625.8	1773.9
30°	733.7	730.1	747.3	772.7	811.7	881.5	976.2	1112.3	1267.9	1462.0	1634.8
32.5°	646.6	646.8	659.7	678.5	711.0	758.0	822.9	933.4	1080.5	1271.2	1473.8
35°	562.0	561.5	571.0	584.5	598.2	628.3	672.7	730.7	831.9	1010.0	1217.0
37.5°	501.5	504.1	508.7	517.2	532.3	549.0	575.7	614.7	686.7	792.0	966.1
40°	467.4	468.6	475.1	482.2	491.1	504.1	526.0	557.3	610.0	694.0	821.2
42.5°	436.1	437.4	441.9	448.6	455.6	468.6	486.7	513.8	556.5	622.1	727.0
45°	390.5	390.5	394.7	397.6	405.3	417.1	431.9	454.4	483.9	532.5	602.4
47.5°	347.7	347.8	350.5	355.6	360.4	369.7	384.2	402.6	424.1	461.6	521.3
50°	323.1	323.6	325.4	329.6	332.5	340.8	352.0	368.0	390.5	419.5	469.2
52.5°	303.2	302.8	305.1	306.8	308.9	314.8	323.2	337.2	357.4	382.5	423.7
55°	271.0	268.6	272.2	275.1	276.9	279.3	284.0	292.8	310.0	331.4	362.1
57.5°	230.8	229.8	232.3	235.0	240.6	246.9	251.0	256.6	265.6	280.8	311.3
60°	197.6	197.6	203.0	204.7	211.2	219.5	227.8	232.6	241.4	251.5	273.9
62.5°	168.3	168.7	171.2	173.0	176.6	186.8	198.4	208.8	217.2	226.9	241.7
65°	140.8	142.0	142.0	143.2	145.5	147.9	152.7	161.0	175.8	189.3	200.5
67.5°	119.5	119.8	120.2	121.5	122.0	124.6	126.5	130.2	133.6	146.5	160.4
70°	105.3	107.1	106.5	107.7	108.3	109.4	111.8	113.6	119.0	121.9	130.2
72.5°	92.0	93.4	93.3	94.0	95.5	95.8	97.6	99.4	102.8	105.3	109.8
75°	74.5	73.9	74.5	75.7	76.3	77.0	77.0	79.3	81.1	83.5	86.4
77.5°	57.5	58.1	58.0	58.1	58.2	59.3	59.2	60.2	62.0	63.2	64.6
80°	46.2	46.7	46.2	46.7	47.3	47.9	47.3	47.9	49.7	50.9	50.9
82.5°	35.8	35.8	36.2	36.3	36.5	36.6	37.4	37.5	38.8	38.6	39.1
85°	21.3	20.7	20.7	20.7	21.3	21.8	21.3	21.3	21.8	21.8	21.8
87.5°	13.5	13.9	13.9	13.9	13.9	13.7	13.4	14.2	13.9	14.5	13.9
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°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1743.5	1739.7	1736.4	1727.9	1723.6	1714.1	1712.7	1712.3	1700.0	1688.1	1684.8
5°	1803.4	1793.9	1779.7	1763.2	1746.0	1728.2	1716.4	1706.9	1683.3	1660.8	1647.8
7.5°	1863.8	1843.3	1818.9	1787.5	1761.4	1732.1	1710.2	1690.7	1657.2	1625.0	1603.3
10°	1908.7	1875.5	1843.0	1799.8	1766.1	1733.0	1702.2	1675.6	1637.7	1595.1	1565.0
12.5°	1936.6	1900.1	1855.3	1813.1	1769.4	1727.2	1686.1	1651.9	1607.4	1563.4	1527.5
15°	1974.3	1935.3	1880.9	1820.5	1764.3	1709.3	1662.0	1619.3	1561.4	1508.7	1464.9
17.5°	2005.3	1951.5	1893.1	1823.3	1758.2	1688.3	1627.3	1572.9	1508.3	1444.8	1393.2
20°	2015.2	1961.9	1894.5	1824.7	1747.8	1665.5	1599.8	1540.7	1471.4	1402.2	1343.1
22.5°	2009.0	1967.6	1892.6	1809.0	1730.3	1644.2	1570.0	1501.4	1424.6	1354.0	1285.3
25°	1967.3	1953.0	1882.0	1790.9	1701.0	1601.1	1515.2	1440.1	1352.5	1276.8	1202.2
27.5°	1869.9	1900.5	1856.5	1759.4	1659.5	1552.3	1455.8	1370.3	1279.4	1194.2	1119.9
30°	1776.2	1846.6	1827.7	1737.7	1625.9	1520.5	1412.3	1322.9	1225.9	1138.4	1065.0
32.5°	1647.9	1764.2	1782.7	1707.4	1591.8	1476.0	1362.6	1273.7	1172.4	1080.1	1008.6
35°	1443.7	1617.6	1697.5	1649.6	1533.6	1408.7	1291.6	1188.0	1086.3	995.1	924.2
37.5°	1200.0	1436.9	1570.0	1573.4	1467.0	1337.1	1209.6	1106.8	1002.6	913.2	836.3
40°	1041.9	1298.7	1472.0	1510.5	1420.6	1280.3	1151.4	1046.6	944.9	857.3	769.2
42.5°	899.9	1155.7	1368.9	1435.7	1364.2	1224.9	1095.6	986.1	887.2	804.3	714.3
45°	727.7	951.4	1186.2	1305.8	1266.1	1137.2	1000.5	896.3	803.4	731.9	645.5
47.5°	613.9	771.5	998.8	1160.5	1159.8	1042.1	907.6	807.9	721.7	654.6	584.7
50°	549.0	686.3	878.6	1062.0	1077.4	978.6	850.8	752.0	671.5	601.1	544.9
52.5°	490.8	604.0	776.9	952.7	996.5	910.9	786.9	695.7	617.6	552.9	504.7
55°	414.7	502.3	633.6	798.2	864.4	804.1	694.0	608.9	545.5	491.1	449.7
57.5°	350.9	416.5	521.9	654.3	731.6	693.6	602.8	533.6	479.4	430.2	397.4
60°	310.6	364.4	453.8	564.5	649.6	623.0	545.5	481.0	434.9	392.3	361.5
62.5°	272.8	319.1	395.6	485.4	563.5	552.5	489.2	435.1	394.7	355.8	329.8
65°	219.5	253.2	313.0	383.4	446.1	451.5	405.9	369.2	333.1	302.4	279.3
67.5°	174.8	196.8	238.9	298.2	345.2	361.9	334.1	306.1	277.5	253.7	233.7
70°	147.3	165.1	195.8	243.8	287.0	304.7	288.7	266.8	242.0	222.5	205.3
72.5°	119.4	136.7	159.3	194.6	231.6	250.7	245.2	229.4	209.3	193.1	176.9
75°	90.0	95.2	110.7	134.3	163.3	179.9	184.0	175.8	159.7	147.3	137.9
77.5°	66.5	69.7	77.0	89.4	108.4	123.1	129.2	128.2	117.3	110.0	101.2
80°	53.2	55.0	58.6	63.9	78.1	92.9	97.0	97.0	89.3	86.4	77.5
82.5°	40.5	41.7	43.9	46.8	53.5	66.3	71.0	72.0	67.1	63.2	56.2
85°	23.1	22.5	23.6	25.4	26.7	30.1	37.3	38.4	37.3	32.5	30.8
87.5°	12.8	12.0	11.1	10.2	10.3	10.4	12.0	13.9	12.6	11.9	11.2
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: P331725-940

CATALOG NUMBER: SA2XXRDIP-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: P331725-940

CATALOG NUMBER: SA2XXRDIP-C865D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1678.6	1675.3	1669.2	1659.7	1654.0	1644.1	1637.4	1641.3	1642.2	1641.3	1640.3
5°	1633.5	1621.1	1604.0	1587.4	1572.0	1555.5	1546.0	1541.9	1533.6	1528.8	1526.5
7.5°	1579.0	1557.6	1533.3	1504.5	1480.0	1454.3	1441.2	1434.7	1417.7	1408.5	1400.4
10°	1538.3	1504.6	1480.3	1442.4	1419.4	1385.6	1362.6	1363.2	1340.1	1327.0	1317.6
12.5°	1493.3	1456.3	1415.9	1381.9	1349.8	1322.7	1294.9	1283.6	1259.2	1246.6	1221.0
15°	1418.8	1375.6	1333.0	1286.8	1254.3	1212.3	1172.1	1122.9	1083.3	1049.0	1039.6
17.5°	1337.4	1283.9	1241.2	1187.0	1131.2	1060.6	1014.0	985.4	961.5	943.4	930.0
20°	1281.6	1227.1	1181.5	1099.9	1024.8	976.9	942.5	920.6	895.8	876.3	865.6
22.5°	1222.8	1166.0	1103.9	1012.8	954.2	915.8	885.2	860.1	843.2	828.0	818.2
25°	1139.5	1077.4	975.1	912.3	865.0	824.7	803.4	788.1	770.3	749.7	740.1
27.5°	1051.5	952.7	879.2	832.6	787.4	761.3	742.1	719.1	703.2	693.9	684.0
30°	985.7	886.9	829.5	778.6	746.6	717.6	695.2	682.2	666.8	650.9	644.4
32.5°	912.3	833.4	778.4	736.0	703.6	678.9	661.1	640.1	628.9	619.1	605.5
35°	821.2	761.4	711.1	676.9	646.1	626.0	605.3	592.8	572.7	564.5	559.1
37.5°	744.0	692.2	654.7	618.5	594.1	571.9	559.2	539.5	530.7	519.2	508.0
40°	700.5	649.6	613.6	584.0	556.8	540.2	524.2	508.3	495.3	489.9	476.3
42.5°	656.0	614.7	578.5	546.1	527.9	510.3	490.2	478.4	464.9	456.3	447.9
45°	594.6	557.9	527.2	500.5	480.5	462.1	449.1	429.5	421.9	404.7	397.6
47.5°	540.6	506.6	477.2	451.9	432.3	420.4	401.3	386.0	373.7	363.2	354.0
50°	502.3	473.9	445.5	423.0	405.3	388.2	368.6	360.9	342.0	336.6	331.4
52.5°	467.3	440.3	414.3	392.3	374.5	357.8	340.6	330.6	317.8	312.5	308.6
55°	418.3	392.3	367.4	347.9	330.1	313.0	302.4	289.9	284.0	279.8	275.1
57.5°	369.1	345.6	326.6	306.8	289.0	275.4	263.1	255.6	249.4	244.0	238.4
60°	337.9	315.3	298.2	279.8	261.5	250.3	240.8	231.9	224.8	216.5	214.2
62.5°	304.7	285.1	269.3	251.5	235.5	225.2	216.2	207.8	199.3	187.2	183.9
65°	259.1	243.8	227.2	212.4	198.2	188.2	175.1	165.7	162.1	161.0	160.3
67.5°	217.9	203.4	189.2	174.1	161.1	151.9	145.2	143.7	141.2	140.5	138.9
70°	190.5	176.9	162.7	148.5	136.1	134.3	132.0	129.6	126.6	125.5	124.2
72.5°	165.9	151.9	137.6	126.3	120.9	118.7	116.3	114.0	111.9	110.8	110.0
75°	127.2	114.2	104.7	100.6	97.6	95.9	92.3	90.5	89.3	87.6	86.9
77.5°	91.6	84.3	79.9	77.3	74.2	72.3	70.3	68.5	67.2	66.9	65.9
80°	69.8	66.3	63.3	59.7	58.6	56.2	55.6	53.9	54.4	52.7	52.7
82.5°	54.2	49.7	47.2	45.6	44.4	42.4	41.9	41.0	41.2	39.9	39.9
85°	27.8	26.7	25.4	24.3	24.3	22.5	23.1	22.5	22.5	21.3	20.7
87.5°	11.1	11.1	11.1	12.4	13.5	13.1	12.9	12.3	11.9	12.3	12.0
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: P331725-940

CATALOG NUMBER: SA2XXRDIP-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: P331725-940  
 CATALOG NUMBER: SA2XXRDIP-C865D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1635.1	1636.0	1634.6	1635.6	1634.6	1636.0	1635.1	1640.3	1641.3	1642.2	1641.3
5°	1523.5	1516.4	1515.2	1513.5	1515.2	1516.4	1523.5	1526.5	1528.8	1533.6	1541.9
7.5°	1390.3	1389.2	1386.3	1382.2	1386.3	1389.2	1390.3	1400.4	1408.5	1417.7	1434.7
10°	1304.6	1301.6	1301.1	1296.9	1301.1	1301.6	1304.6	1317.6	1327.0	1340.1	1363.2
12.5°	1204.3	1185.2	1183.2	1172.9	1183.2	1185.2	1204.3	1221.0	1246.6	1259.2	1283.6
15°	1025.4	1021.8	1010.0	1002.3	1010.0	1021.8	1025.4	1039.6	1049.0	1083.3	1122.9
17.5°	923.1	911.5	907.9	906.2	907.9	911.5	923.1	930.0	943.4	961.5	985.4
20°	857.3	846.7	844.9	843.7	844.9	846.7	857.3	865.6	876.3	895.8	920.6
22.5°	811.9	800.8	796.1	792.6	796.1	800.8	811.9	818.2	828.0	843.2	860.1
25°	734.2	730.1	727.7	726.6	727.7	730.1	734.2	740.1	749.7	770.3	788.1
27.5°	673.5	664.4	662.6	659.6	662.6	664.4	673.5	684.0	693.9	703.2	719.1
30°	639.0	636.1	631.9	628.3	631.9	636.1	639.0	644.4	650.9	666.8	682.2
32.5°	598.2	595.8	592.1	590.5	592.1	595.8	598.2	605.5	619.1	628.9	640.1
35°	553.2	544.9	541.4	536.0	541.4	544.9	553.2	559.1	564.5	572.7	592.8
37.5°	505.5	501.1	496.1	497.9	496.1	501.1	505.5	508.0	519.2	530.7	539.5
40°	468.6	465.7	464.5	463.9	464.5	465.7	468.6	476.3	489.9	495.3	508.3
42.5°	439.3	431.1	428.0	427.8	428.0	431.1	439.3	447.9	456.3	464.9	478.4
45°	394.7	386.9	381.7	382.2	381.7	386.9	394.7	397.6	404.7	421.9	429.5
47.5°	348.9	348.7	345.4	346.5	345.4	348.7	348.9	354.0	363.2	373.7	386.0
50°	327.2	323.6	321.3	321.8	321.3	323.6	327.2	331.4	336.6	342.0	360.9
52.5°	306.4	303.3	301.4	303.9	301.4	303.3	306.4	308.6	312.5	317.8	330.6
55°	272.2	268.6	268.0	267.4	268.0	268.6	272.2	275.1	279.8	284.0	289.9
57.5°	234.0	231.6	228.0	226.5	228.0	231.6	234.0	238.4	244.0	249.4	255.6
60°	206.5	201.8	195.8	195.3	195.8	201.8	206.5	214.2	216.5	224.8	231.9
62.5°	181.4	180.5	179.2	179.1	179.2	180.5	181.4	183.9	187.2	199.3	207.8
65°	159.2	158.5	159.2	159.7	159.2	158.5	159.2	160.3	161.0	162.1	165.7
67.5°	138.7	137.6	136.5	137.1	136.5	137.6	138.7	138.9	140.5	141.2	143.7
70°	123.1	122.4	121.9	121.9	121.9	122.4	123.1	124.2	125.5	126.6	129.6
72.5°	107.9	107.8	107.2	106.7	107.2	107.8	107.9	110.0	110.8	111.9	114.0
75°	86.4	85.2	85.2	85.2	85.2	85.2	86.4	86.9	87.6	89.3	90.5
77.5°	65.8	65.2	64.6	64.1	64.6	65.2	65.8	65.9	66.9	67.2	68.5
80°	52.1	51.5	50.9	50.9	50.9	51.5	52.1	52.7	52.7	54.4	53.9
82.5°	39.8	39.1	39.1	38.6	39.1	39.1	39.8	39.9	39.9	41.2	41.0
85°	21.3	21.8	21.3	22.5	21.3	21.8	21.3	20.7	21.3	22.5	22.5
87.5°	12.0	11.6	12.0	11.6	12.0	11.6	12.0	12.0	12.3	11.9	12.3
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: P331725-940

CATALOG NUMBER: SA2XXRDIP-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: P331725-940

CATALOG NUMBER: SA2XXRDIP-C865D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1637.4	1644.1	1654.0	1659.7	1669.2	1675.3	1678.6	1684.8	1688.1	1700.0	1712.3
5°	1546.0	1555.5	1572.0	1587.4	1604.0	1621.1	1633.5	1647.8	1660.8	1683.3	1706.9
7.5°	1441.2	1454.3	1480.0	1504.5	1533.3	1557.6	1579.0	1603.3	1625.0	1657.2	1690.7
10°	1362.6	1385.6	1419.4	1442.4	1480.3	1504.6	1538.3	1565.0	1595.1	1637.7	1675.6
12.5°	1294.9	1322.7	1349.8	1381.9	1415.9	1456.3	1493.3	1527.5	1563.4	1607.4	1651.9
15°	1172.1	1212.3	1254.3	1286.8	1333.0	1375.6	1418.8	1464.9	1508.7	1561.4	1619.3
17.5°	1014.0	1060.6	1131.2	1187.0	1241.2	1283.9	1337.4	1393.2	1444.8	1508.3	1572.9
20°	942.5	976.9	1024.8	1099.9	1181.5	1227.1	1281.6	1343.1	1402.2	1471.4	1540.7
22.5°	885.2	915.8	954.2	1012.8	1103.9	1166.0	1222.8	1285.3	1354.0	1424.6	1501.4
25°	803.4	824.7	865.0	912.3	975.1	1077.4	1139.5	1202.2	1276.8	1352.5	1440.1
27.5°	742.1	761.3	787.4	832.6	879.2	952.7	1051.5	1119.9	1194.2	1279.4	1370.3
30°	695.2	717.6	746.6	778.6	829.5	886.9	985.7	1065.0	1138.4	1225.9	1322.9
32.5°	661.1	678.9	703.6	736.0	778.4	833.4	912.3	1008.6	1080.1	1172.4	1273.7
35°	605.3	626.0	646.1	676.9	711.1	761.4	821.2	924.2	995.1	1086.3	1188.0
37.5°	559.2	571.9	594.1	618.5	654.7	692.2	744.0	836.3	913.2	1002.6	1106.8
40°	524.2	540.2	556.8	584.0	613.6	649.6	700.5	769.2	857.3	944.9	1046.6
42.5°	490.2	510.3	527.9	546.1	578.5	614.7	656.0	714.3	804.3	887.2	986.1
45°	449.1	462.1	480.5	500.5	527.2	557.9	594.6	645.5	731.9	803.4	896.3
47.5°	401.3	420.4	432.3	451.9	477.2	506.6	540.6	584.7	654.6	721.7	807.9
50°	368.6	388.2	405.3	423.0	445.5	473.9	502.3	544.9	601.1	671.5	752.0
52.5°	340.6	357.8	374.5	392.3	414.3	440.3	467.3	504.7	552.9	617.6	695.7
55°	302.4	313.0	330.1	347.9	367.4	392.3	418.3	449.7	491.1	545.5	608.9
57.5°	263.1	275.4	289.0	306.8	326.6	345.6	369.1	397.4	430.2	479.4	533.6
60°	240.8	250.3	261.5	279.8	298.2	315.3	337.9	361.5	392.3	434.9	481.0
62.5°	216.2	225.2	235.5	251.5	269.3	285.1	304.7	329.8	355.8	394.7	435.1
65°	175.1	188.2	198.2	212.4	227.2	243.8	259.1	279.3	302.4	333.1	369.2
67.5°	145.2	151.9	161.1	174.1	189.2	203.4	217.9	233.7	253.7	277.5	306.1
70°	132.0	134.3	136.1	148.5	162.7	176.9	190.5	205.3	222.5	242.0	266.8
72.5°	116.3	118.7	120.9	126.3	137.6	151.9	165.9	176.9	193.1	209.3	229.4
75°	92.3	95.9	97.6	100.6	104.7	114.2	127.2	137.9	147.3	159.7	175.8
77.5°	70.3	72.3	74.2	77.3	79.9	84.3	91.6	101.2	110.0	117.3	128.2
80°	55.6	56.2	58.6	59.7	63.3	66.3	69.8	77.5	86.4	89.3	97.0
82.5°	41.9	42.4	44.4	45.6	47.2	49.7	54.2	56.2	63.2	67.1	72.0
85°	23.1	22.5	24.3	24.3	25.4	26.7	27.8	30.8	32.5	37.3	38.4
87.5°	12.9	13.1	13.5	12.4	11.1	11.1	11.1	11.2	11.9	12.6	13.9
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: P331725-940  
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**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: P331725-940

CATALOG NUMBER: SA2XXRDIP-C865D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1712.7	1714.1	1723.6	1727.9	1736.4	1739.7	1743.5	1742.6	1742.6	1744.5	1757.7
5°	1716.4	1728.2	1746.0	1763.2	1779.7	1793.9	1803.4	1812.8	1816.4	1833.5	1849.0
7.5°	1710.2	1732.1	1761.4	1787.5	1818.9	1843.3	1863.8	1882.0	1894.6	1919.6	1945.2
10°	1702.2	1733.0	1766.1	1799.8	1843.0	1875.5	1908.7	1934.1	1942.4	1979.7	2001.0
12.5°	1686.1	1727.2	1769.4	1813.1	1855.3	1900.1	1936.6	1962.0	1991.2	2024.6	2064.0
15°	1662.0	1709.3	1764.3	1820.5	1880.9	1935.3	1974.3	2018.7	2050.7	2087.4	2121.6
17.5°	1627.3	1688.3	1758.2	1823.3	1893.1	1951.5	2005.3	2047.8	2070.3	2091.2	2096.3
20°	1599.8	1665.5	1747.8	1824.7	1894.5	1961.9	2015.2	2050.7	2056.6	2057.2	2025.9
22.5°	1570.0	1644.2	1730.3	1809.0	1892.6	1967.6	2009.0	2024.2	2000.7	1960.6	1900.0
25°	1515.2	1601.1	1701.0	1790.9	1882.0	1953.0	1967.3	1940.6	1858.4	1772.0	1662.6
27.5°	1455.8	1552.3	1659.5	1759.4	1856.5	1900.5	1869.9	1773.9	1625.8	1497.0	1341.0
30°	1412.3	1520.5	1625.9	1737.7	1827.7	1846.6	1776.2	1634.8	1462.0	1267.9	1112.3
32.5°	1362.6	1476.0	1591.8	1707.4	1782.7	1764.2	1647.9	1473.8	1271.2	1080.5	933.4
35°	1291.6	1408.7	1533.6	1649.6	1697.5	1617.6	1443.7	1217.0	1010.0	831.9	730.7
37.5°	1209.6	1337.1	1467.0	1573.4	1570.0	1436.9	1200.0	966.1	792.0	686.7	614.7
40°	1151.4	1280.3	1420.6	1510.5	1472.0	1298.7	1041.9	821.2	694.0	610.0	557.3
42.5°	1095.6	1224.9	1364.2	1435.7	1368.9	1155.7	899.9	727.0	622.1	556.5	513.8
45°	1000.5	1137.2	1266.1	1305.8	1186.2	951.4	727.7	602.4	532.5	483.9	454.4
47.5°	907.6	1042.1	1159.8	1160.5	998.8	771.5	613.9	521.3	461.6	424.1	402.6
50°	850.8	978.6	1077.4	1062.0	878.6	686.3	549.0	469.2	419.5	390.5	368.0
52.5°	786.9	910.9	996.5	952.7	776.9	604.0	490.8	423.7	382.5	357.4	337.2
55°	694.0	804.1	864.4	798.2	633.6	502.3	414.7	362.1	331.4	310.0	292.8
57.5°	602.8	693.6	731.6	654.3	521.9	416.5	350.9	311.3	280.8	265.6	256.6
60°	545.5	623.0	649.6	564.5	453.8	364.4	310.6	273.9	251.5	241.4	232.6
62.5°	489.2	552.5	563.5	485.4	395.6	319.1	272.8	241.7	226.9	217.2	208.8
65°	405.9	451.5	446.1	383.4	313.0	253.2	219.5	200.5	189.3	175.8	161.0
67.5°	334.1	361.9	345.2	298.2	238.9	196.8	174.8	160.4	146.5	133.6	130.2
70°	288.7	304.7	287.0	243.8	195.8	165.1	147.3	130.2	121.9	119.0	113.6
72.5°	245.2	250.7	231.6	194.6	159.3	136.7	119.4	109.8	105.3	102.8	99.4
75°	184.0	179.9	163.3	134.3	110.7	95.2	90.0	86.4	83.5	81.1	79.3
77.5°	129.2	123.1	108.4	89.4	77.0	69.7	66.5	64.6	63.2	62.0	60.2
80°	97.0	92.9	78.1	63.9	58.6	55.0	53.2	50.9	50.9	49.7	47.9
82.5°	71.0	66.3	53.5	46.8	43.9	41.7	40.5	39.1	38.6	38.8	37.5
85°	37.3	30.1	26.7	25.4	23.6	22.5	23.1	21.8	21.8	21.8	21.3
87.5°	12.0	10.4	10.3	10.2	11.1	12.0	12.8	13.9	14.5	13.9	14.2
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°	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8	1702.8
2.5°	1762.5	1768.6	1771.4	1771.4	1774.8	1773.3	1771.9
5°	1863.8	1875.0	1877.3	1888.0	1895.7	1893.3	1894.5
7.5°	1964.4	1982.5	2000.4	2008.6	2009.8	2014.6	2016.3
10°	2026.4	2041.2	2069.0	2064.8	2085.6	2097.4	2077.9
12.5°	2086.1	2106.0	2125.4	2130.7	2142.4	2146.2	2138.5
15°	2140.0	2150.7	2151.9	2148.9	2152.4	2149.5	2138.2
17.5°	2089.6	2072.3	2037.3	2020.7	2007.6	1988.2	1980.4
20°	2006.3	1955.4	1896.2	1872.6	1844.8	1790.4	1803.4
22.5°	1826.5	1768.4	1709.3	1640.2	1607.2	1555.6	1552.5
25°	1546.6	1446.6	1336.6	1259.6	1214.7	1163.2	1140.7
27.5°	1202.5	1076.6	986.4	940.8	899.2	858.4	856.8
30°	976.2	881.5	811.7	772.7	747.3	730.1	733.7
32.5°	822.9	758.0	711.0	678.5	659.7	646.8	646.6
35°	672.7	628.3	598.2	584.5	571.0	561.5	562.0
37.5°	575.7	549.0	532.3	517.2	508.7	504.1	501.5
40°	526.0	504.1	491.1	482.2	475.1	468.6	467.4
42.5°	486.7	468.6	455.6	448.6	441.9	437.4	436.1
45°	431.9	417.1	405.3	397.6	394.7	390.5	390.5
47.5°	384.2	369.7	360.4	355.6	350.5	347.8	347.7
50°	352.0	340.8	332.5	329.6	325.4	323.6	323.1
52.5°	323.2	314.8	308.9	306.8	305.1	302.8	303.2
55°	284.0	279.3	276.9	275.1	272.2	268.6	271.0
57.5°	251.0	246.9	240.6	235.0	232.3	229.8	230.8
60°	227.8	219.5	211.2	204.7	203.0	197.6	197.6
62.5°	198.4	186.8	176.6	173.0	171.2	168.7	168.3
65°	152.7	147.9	145.5	143.2	142.0	142.0	140.8
67.5°	126.5	124.6	122.0	121.5	120.2	119.8	119.5
70°	111.8	109.4	108.3	107.7	106.5	107.1	105.3
72.5°	97.6	95.8	95.5	94.0	93.3	93.4	92.0
75°	77.0	77.0	76.3	75.7	74.5	73.9	74.5
77.5°	59.2	59.3	58.2	58.1	58.0	58.1	57.5
80°	47.3	47.9	47.3	46.7	46.2	46.7	46.2
82.5°	37.4	36.6	36.5	36.3	36.2	35.8	35.8
85°	21.3	21.8	21.3	20.7	20.7	20.7	21.3
87.5°	13.4	13.7	13.9	13.9	13.9	13.9	13.5
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)