

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: P331747-940

Luminaire Tested: **SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331747-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 725 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

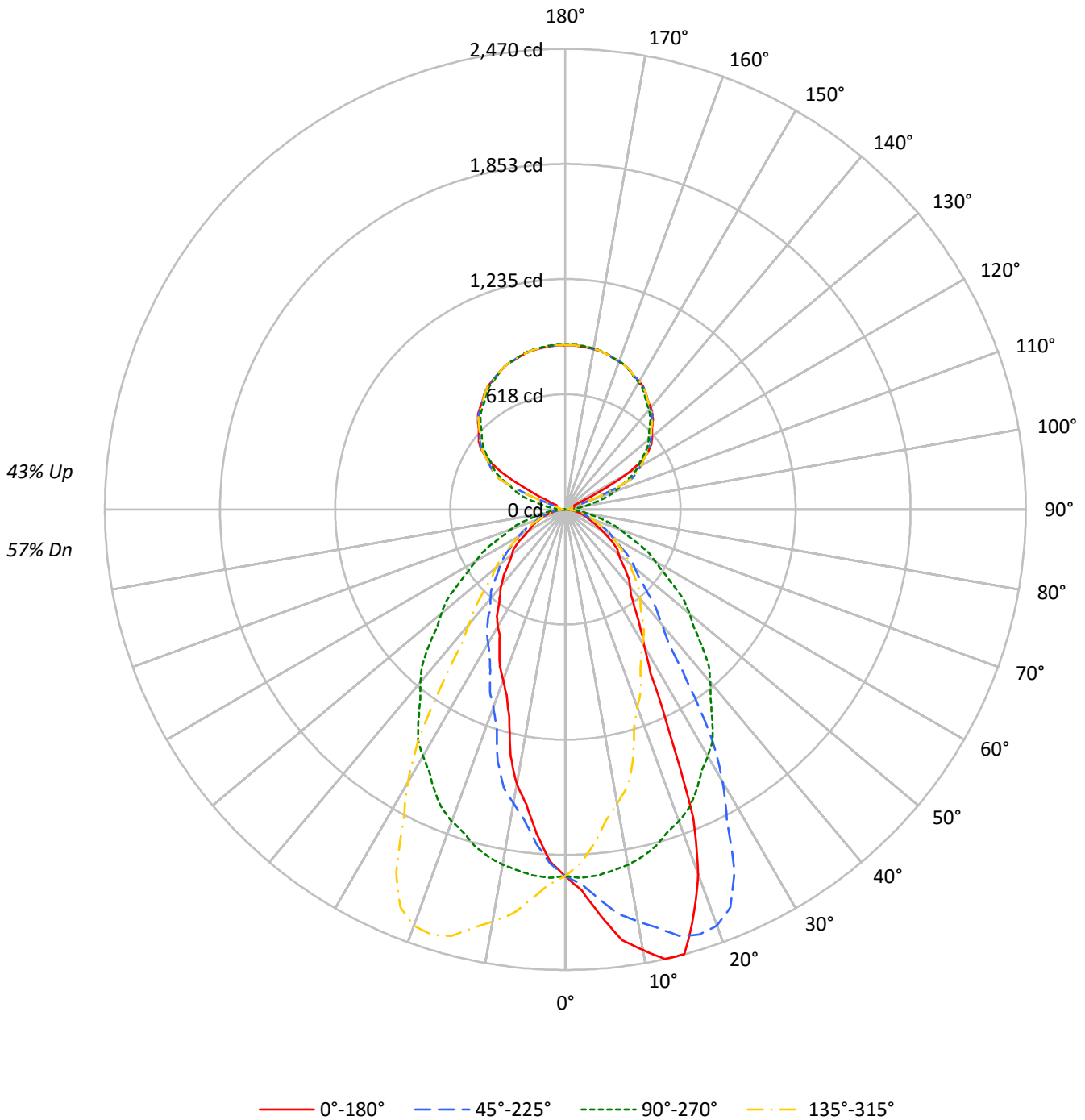
Lumens per Lamp: N/A  
Luminaire Lumens: 5984.3 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 60.7  
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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	100	96	93	89	93	90	87	84	78	75	73	67	65	64	56	55	54	50
2	92	85	79	74	86	80	75	70	69	65	62	60	57	55	51	49	47	43
3	85	76	69	63	79	71	65	60	62	57	54	54	50	47	46	43	41	38
4	78	68	60	54	72	64	57	52	56	51	47	49	45	41	42	39	37	33
5	72	61	53	47	67	57	50	45	50	45	41	44	40	37	38	35	33	30
6	67	55	47	42	62	52	45	40	46	40	36	40	36	33	35	32	29	27
7	62	50	43	37	58	47	41	36	42	37	33	37	33	29	32	29	26	24
8	58	46	38	33	54	43	37	32	39	33	29	34	30	27	30	27	24	22
9	54	42	35	30	51	40	33	29	36	30	27	32	27	24	28	25	22	20
10	51	39	32	27	47	37	31	26	33	28	24	30	25	22	26	23	20	18

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

	0°	90°	180°	270°
0°	31752	31752	31752	31752
5°	35462	31951	28329	31951
10°	39346	31727	24556	31727
15°	41279	31263	19348	31263
20°	35787	30574	16744	30574
25°	23469	29630	14949	29630
30°	15797	28486	13530	28486
35°	12796	27045	12203	27045
40°	11377	25478	11291	25478
45°	10298	23640	10079	23640
50°	9372	21815	9339	21815
55°	8811	19792	8695	19792
60°	7369	17938	7282	17938
65°	6212	16290	7049	16290
70°	5740	14549	6647	14549
75°	5371	12664	6138	12664
80°	4956	10423	5467	10423
85°	4557	8225	4798	8225



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.4	3.1
10°-20°	519.5	8.7
20°-30°	669.4	11.2
30°-40°	636.1	10.6
40°-50°	544.9	9.1
50°-60°	415.0	6.9
60°-70°	262.3	4.4
70°-80°	131.0	2.2
80°-90°	36.3	0.6
90°-100°	29.4	0.5
100°-110°	107.8	1.8
110°-120°	288.3	4.8
120°-130°	475.8	8.0
130°-140°	506.0	8.5
140°-150°	470.3	7.9
150°-160°	378.1	6.3
160°-170°	243.7	4.1
170°-180°	83.9	1.4
0°-30°	1375.3	23.0
0°-40°	2011.4	33.6
0°-60°	2971.3	49.7
0°-90°	3400.9	56.8
90°-120°	425.5	7.1
90°-150°	1877.7	31.4
90°-180°	2583.0	43.2
0°-180°	5984.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1967	1967	1967	1967	1967	
5°	2188	1971	1748	1971	2188	216
15°	2470	1870	1158	1870	2470	666
25°	1317	1663	839	1663	1317	625
35°	649	1372	619	1372	649	415
45°	451	1035	441	1035	451	349
55°	313	703	309	703	313	275
65°	163	426	184	426	163	166
75°	86	203	98	203	86	91
85°	25	44	26	44	25	27
90°	17	1	17	1	17	9
95°	28	42	28	42	28	26
105°	48	194	48	194	48	50
115°	52	367	52	367	52	131
125°	545	519	545	519	545	472
135°	663	642	663	642	663	511
145°	756	744	756	744	756	473
155°	820	820	820	820	820	379
165°	862	864	862	864	862	243
175°	878	883	878	883	878	84
180°	882	882	882	882	882	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	2046.4	2048.1	2049.7	2045.9	2045.9	2042.6	2035.5	2030.0	2014.7	2012.5	2012.5
5°	2188.0	2186.7	2189.3	2180.5	2168.2	2165.4	2152.5	2135.4	2117.6	2097.8	2093.7
7.5°	2328.8	2326.7	2321.2	2319.8	2310.3	2289.6	2268.8	2246.5	2217.0	2188.2	2173.6
10°	2399.9	2422.4	2408.7	2384.8	2389.6	2357.5	2340.4	2311.0	2286.4	2243.4	2233.8
12.5°	2469.8	2478.7	2474.3	2460.8	2454.6	2432.3	2409.2	2383.7	2338.3	2299.6	2266.0
15°	2469.5	2482.5	2485.9	2481.8	2485.3	2483.9	2471.6	2450.4	2410.7	2368.4	2331.5
17.5°	2287.2	2296.2	2318.6	2333.8	2353.0	2393.4	2413.3	2421.2	2415.3	2391.1	2365.1
20°	2082.8	2067.7	2130.6	2162.8	2190.0	2258.3	2317.1	2339.7	2375.9	2375.3	2368.4
22.5°	1793.1	1796.6	1856.2	1894.4	1974.2	2042.5	2109.4	2194.3	2264.4	2310.7	2337.8
25°	1317.4	1343.5	1402.8	1454.8	1543.6	1670.7	1786.2	1920.1	2046.6	2146.3	2241.3
27.5°	989.4	991.4	1038.5	1086.5	1139.2	1243.4	1388.8	1548.7	1728.9	1877.7	2048.7
30°	847.3	843.2	863.0	892.4	937.5	1018.2	1127.5	1284.7	1464.4	1688.5	1888.0
32.5°	746.7	747.0	761.9	783.6	821.1	875.5	950.4	1078.0	1247.9	1468.2	1702.2
35°	649.2	648.5	659.4	675.1	690.8	725.7	776.9	843.9	960.7	1166.4	1405.6
37.5°	579.2	582.2	587.5	597.4	614.7	634.1	664.9	709.8	793.1	914.7	1115.7
40°	539.8	541.2	548.7	556.9	567.1	582.2	607.4	643.7	704.5	801.6	948.4
42.5°	503.7	505.2	510.4	518.1	526.2	541.2	562.1	593.4	642.7	718.5	839.6
45°	451.0	451.0	455.8	459.2	468.1	481.7	498.8	524.8	558.9	615.0	695.6
47.5°	401.5	401.6	404.8	410.7	416.3	427.0	443.7	464.9	489.8	533.2	602.0
50°	373.1	373.8	375.9	380.6	384.1	393.6	406.6	425.0	451.0	484.5	541.9
52.5°	350.2	349.7	352.3	354.4	356.7	363.6	373.3	389.5	412.7	441.8	489.4
55°	313.0	310.2	314.3	317.7	319.8	322.5	328.0	338.2	358.0	382.6	418.2
57.5°	266.5	265.4	268.3	271.4	277.9	285.3	289.9	296.4	306.7	324.3	359.5
60°	228.2	228.2	234.3	236.4	244.0	253.5	263.1	268.6	278.8	290.4	316.4
62.5°	194.3	194.9	197.8	199.8	204.0	215.8	229.2	241.2	250.9	262.0	279.2
65°	162.6	164.0	164.0	165.3	168.1	170.9	176.3	185.8	203.0	218.6	231.7
67.5°	138.0	138.5	138.8	140.2	140.9	143.9	146.1	150.3	154.3	169.2	185.3
70°	121.6	123.7	123.0	124.4	125.0	126.4	129.1	131.2	137.3	140.8	150.3
72.5°	106.3	107.8	107.7	108.5	110.3	110.6	112.7	114.8	118.8	121.6	126.8
75°	86.1	85.4	86.1	87.5	88.2	88.8	88.8	91.6	93.6	96.3	99.8
77.5°	66.4	67.1	67.0	67.1	67.2	68.5	68.3	69.6	71.6	72.9	74.6
80°	53.3	53.9	53.3	53.9	54.7	55.4	54.7	55.4	57.4	58.8	58.8
82.5°	41.3	41.4	41.8	42.0	42.1	42.3	43.2	43.3	44.9	44.6	45.1
85°	24.6	23.9	23.9	23.9	24.6	25.3	24.6	24.6	25.3	25.3	25.3
87.5°	12.2	12.7	12.7	12.6	12.5	12.4	12.3	12.7	11.9	12.4	11.6
90°	17.2	16.9	16.7	16.4	16.1	15.6	14.9	14.2	13.5	12.8	11.6
92.5°	17.2	17.0	16.9	16.7	16.6	16.2	15.9	15.5	15.2	14.8	14.3
95°	27.5	27.6	27.7	27.8	28.0	27.7	27.0	26.3	25.6	24.9	23.9
97.5°	36.6	36.5	36.3	36.1	35.9	35.6	35.0	34.4	33.9	33.3	31.0
100°	42.7	42.4	42.2	41.9	41.6	40.9	39.8	38.6	37.5	36.4	34.0
102.5°	45.8	45.4	45.0	44.6	44.2	43.2	41.8	40.3	38.9	37.4	57.5
105°	48.5	47.9	47.3	46.8	46.2	45.1	43.6	42.0	40.5	38.9	77.6
107.5°	49.8	49.3	48.8	48.2	47.6	48.2	49.7	51.3	52.9	54.5	100.9
110°	50.4	49.8	49.2	48.7	48.2	54.9	69.1	83.3	97.5	111.6	152.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	50.9	50.5	50.0	49.6	49.0	74.7	126.4	178.2	229.9	281.5	291.7
115°	52.3	62.5	72.7	82.9	93.1	131.1	196.7	262.3	328.0	393.6	390.0
117.5°	213.6	247.1	280.6	314.1	347.7	372.4	388.3	404.2	420.1	436.0	433.5
120°	389.1	408.2	427.4	446.5	465.7	474.4	472.7	471.0	469.2	467.5	465.0
122.5°	485.5	489.3	492.9	496.7	500.4	501.8	500.7	499.7	498.6	497.7	494.9
125°	545.4	544.9	544.6	544.1	543.7	543.0	542.0	541.0	540.0	539.0	536.3
127.5°	583.2	583.1	583.0	582.9	582.8	582.0	580.6	579.2	577.7	576.2	574.3
130°	606.6	606.7	606.9	607.1	607.2	606.5	604.9	603.3	601.8	600.2	598.7
132.5°	629.5	629.7	629.9	630.0	630.2	629.5	628.2	626.9	625.5	624.2	622.7
135°	662.7	663.0	663.3	663.6	663.9	663.3	661.9	660.5	659.1	657.6	656.4
137.5°	692.9	693.5	693.9	694.5	694.9	694.5	693.0	691.7	690.3	688.9	687.4
140°	711.9	712.6	713.3	714.0	714.7	714.4	713.1	711.9	710.6	709.4	707.8
142.5°	730.2	730.9	731.6	732.4	733.1	732.8	731.6	730.5	729.3	728.2	726.4
145°	755.9	756.6	757.3	758.0	758.7	758.6	757.6	756.6	755.6	754.6	752.2
147.5°	778.5	779.1	779.6	780.2	780.9	780.8	780.1	779.3	778.6	777.8	775.4
150°	792.2	792.9	793.6	794.3	795.0	795.0	794.2	793.3	792.5	791.6	789.3
152.5°	804.0	804.9	805.8	806.8	807.7	807.8	806.9	806.0	805.2	804.3	802.2
155°	820.3	821.4	822.6	823.7	824.8	825.0	824.1	823.3	822.4	821.5	819.8
157.5°	835.3	836.3	837.4	838.6	839.6	839.7	838.7	837.8	836.9	835.9	834.6
160°	843.9	844.9	845.9	846.9	847.8	847.9	847.1	846.2	845.4	844.5	843.6
162.5°	851.0	852.3	853.5	854.7	856.0	856.0	855.1	854.1	853.2	852.2	851.5
165°	861.7	862.7	863.7	864.8	865.8	865.8	864.8	863.7	862.7	861.7	861.3
167.5°	868.5	869.8	871.1	872.4	873.6	873.8	872.8	871.8	870.8	869.8	869.4
170°	872.6	873.9	875.1	876.5	877.7	877.9	876.8	875.8	874.9	873.9	873.6
172.5°	875.7	876.9	878.2	879.5	880.7	880.9	879.9	879.0	878.0	876.9	876.6
175°	878.3	879.8	881.2	882.6	884.0	884.2	883.2	882.3	881.3	880.3	879.9
177.5°	880.0	881.0	882.1	883.1	884.1	884.2	883.4	882.6	881.8	881.0	880.9
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	2013.7	2009.2	2005.5	1995.6	1990.7	1979.7	1978.1	1977.5	1963.4	1949.6	1945.8
5°	2082.8	2071.8	2055.5	2036.3	2016.5	1996.0	1982.4	1971.4	1944.0	1918.1	1903.1
7.5°	2152.5	2129.0	2100.7	2064.5	2034.3	2000.4	1975.2	1952.7	1913.9	1876.7	1851.6
10°	2204.4	2166.1	2128.5	2078.7	2039.7	2001.4	1966.0	1935.2	1891.4	1842.3	1807.4
12.5°	2236.7	2194.6	2142.8	2094.0	2043.5	1994.9	1947.3	1907.8	1856.5	1805.6	1764.2
15°	2280.3	2235.2	2172.3	2102.6	2037.6	1974.2	1919.5	1870.3	1803.3	1742.5	1691.9
17.5°	2316.0	2253.9	2186.4	2105.8	2030.6	1949.8	1879.5	1816.6	1742.0	1668.7	1609.1
20°	2327.4	2265.9	2188.0	2107.4	2018.6	1923.6	1847.7	1779.4	1699.4	1619.4	1551.1
22.5°	2320.3	2272.4	2185.9	2089.4	1998.3	1899.0	1813.3	1734.0	1645.3	1563.7	1484.4
25°	2272.1	2255.7	2173.6	2068.4	1964.5	1849.1	1750.0	1663.2	1562.1	1474.6	1388.5
27.5°	2159.5	2194.9	2144.1	2032.0	1916.6	1792.8	1681.4	1582.6	1477.7	1379.2	1293.4
30°	2051.4	2132.6	2110.8	2006.9	1877.8	1756.1	1631.1	1527.9	1415.9	1314.7	1230.0
32.5°	1903.2	2037.6	2058.9	1971.9	1838.4	1704.8	1573.7	1471.1	1354.1	1247.5	1164.9
35°	1667.3	1868.2	1960.4	1905.1	1771.2	1627.0	1491.7	1372.1	1254.5	1149.3	1067.4
37.5°	1385.9	1659.6	1813.3	1817.2	1694.3	1544.4	1397.0	1278.3	1158.0	1054.6	966.0
40°	1203.4	1499.9	1700.1	1744.5	1640.7	1478.7	1329.7	1208.8	1091.3	990.2	888.3
42.5°	1039.4	1334.8	1580.9	1658.1	1575.7	1414.8	1265.2	1138.8	1024.6	928.9	824.9
45°	840.5	1098.8	1370.0	1508.1	1462.3	1313.3	1155.5	1035.3	927.9	845.3	745.5
47.5°	709.0	891.1	1153.6	1340.2	1339.4	1203.5	1048.2	933.0	833.5	756.0	675.3
50°	634.1	792.6	1014.8	1226.5	1244.3	1130.2	982.6	868.5	775.6	694.3	629.4
52.5°	566.9	697.5	897.2	1100.3	1150.8	1052.0	908.8	803.4	713.3	638.5	582.9
55°	479.0	580.1	731.8	921.8	998.4	928.6	801.6	703.1	630.0	567.1	519.3
57.5°	405.2	481.1	602.8	755.7	844.9	801.0	696.2	616.3	553.7	496.8	459.1
60°	358.7	420.9	524.1	651.9	750.3	719.5	630.0	555.5	502.2	453.1	417.5
62.5°	315.0	368.5	456.9	560.6	650.8	638.1	565.0	502.5	455.8	411.0	380.8
65°	253.5	292.5	361.5	442.8	515.2	521.4	468.8	426.4	384.7	349.2	322.5
67.5°	201.9	227.3	275.9	344.4	398.7	418.0	385.9	353.6	320.5	293.0	269.9
70°	170.1	190.6	226.1	281.5	331.4	351.9	333.5	308.2	279.5	256.9	237.1
72.5°	137.9	157.8	184.0	224.7	267.4	289.6	283.2	265.0	241.7	223.0	204.3
75°	103.9	110.0	127.8	155.2	188.6	207.8	212.5	203.0	184.5	170.1	159.2
77.5°	76.8	80.5	89.0	103.3	125.2	142.2	149.3	148.1	135.5	127.1	116.8
80°	61.5	63.6	67.7	73.8	90.2	107.3	112.1	112.1	103.2	99.8	89.5
82.5°	46.7	48.2	50.7	54.1	61.8	76.7	82.0	83.1	77.5	72.9	64.9
85°	26.7	25.9	27.4	29.4	30.8	34.9	43.1	44.4	43.1	37.5	35.5
87.5°	11.4	11.7	11.5	10.7	10.9	11.1	13.6	16.0	14.1	12.8	12.0
90°	10.5	9.4	8.2	6.9	5.4	3.7	2.2	0.6	2.2	3.7	5.4
92.5°	13.6	13.1	12.6	12.3	12.5	12.6	12.8	12.8	12.8	12.6	12.5
95°	22.9	21.9	20.9	22.7	27.5	32.1	36.8	41.5	36.8	32.1	27.5
97.5°	28.7	26.4	24.1	29.5	42.7	55.9	69.1	82.3	69.1	55.9	42.7
100°	31.6	29.2	26.8	35.2	54.7	74.1	93.5	112.9	93.5	74.1	54.7
102.5°	77.7	97.8	118.0	130.1	134.3	138.4	142.5	146.6	142.5	138.4	134.3
105°	116.3	155.0	193.7	210.9	206.7	202.4	198.1	193.9	198.1	202.4	206.7
107.5°	147.3	193.7	240.1	261.6	258.2	254.8	251.3	247.9	251.3	254.8	258.2
110°	193.6	234.5	275.4	294.4	291.5	288.6	285.5	282.6	285.5	288.6	291.5





TEST NUMBER: P331747-940

CATALOG NUMBER: SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	301.8	311.9	322.0	325.7	323.2	320.5	317.9	315.2	317.9	320.5	323.2
115°	386.5	382.9	379.4	376.4	374.0	371.6	369.2	366.8	369.2	371.6	374.0
117.5°	431.1	428.6	426.1	423.6	420.9	418.2	415.5	412.9	415.5	418.2	420.9
120°	462.4	459.9	457.4	455.0	452.9	450.8	448.6	446.5	448.6	450.8	452.9
122.5°	492.1	489.4	486.5	484.0	481.8	479.6	477.3	475.1	477.3	479.6	481.8
125°	533.6	530.9	528.2	525.9	524.1	522.3	520.4	518.6	520.4	522.3	524.1
127.5°	572.2	570.2	568.2	566.1	564.1	562.1	560.1	558.0	560.1	562.1	564.1
130°	597.1	595.6	594.0	592.1	589.8	587.5	585.3	583.0	585.3	587.5	589.8
132.5°	621.1	619.6	618.0	616.3	614.3	612.4	610.5	608.5	610.5	612.4	614.3
135°	655.1	653.8	652.6	650.8	648.5	646.2	644.0	641.7	644.0	646.2	648.5
137.5°	686.0	684.6	683.1	681.6	680.0	678.4	676.8	675.3	676.8	678.4	680.0
140°	706.2	704.6	703.1	701.7	700.6	699.5	698.3	697.2	698.3	699.5	700.6
142.5°	724.6	722.8	721.0	719.6	718.6	717.6	716.6	715.6	716.6	717.6	718.6
145°	749.8	747.3	744.9	743.9	744.0	744.1	744.2	744.4	744.2	744.1	744.0
147.5°	773.0	770.7	768.3	767.4	767.9	768.5	769.0	769.5	769.0	768.5	767.9
150°	787.0	784.8	782.6	781.9	782.9	783.9	784.9	785.9	784.9	783.9	782.9
152.5°	800.0	797.9	795.8	795.2	796.3	797.5	798.5	799.6	798.5	797.5	796.3
155°	818.1	816.5	814.8	814.6	815.8	817.1	818.4	819.7	818.4	817.1	815.8
157.5°	833.5	832.3	831.1	831.1	832.1	833.2	834.3	835.4	834.3	833.2	832.1
160°	842.8	842.0	841.2	841.2	842.0	842.8	843.6	844.5	843.6	842.8	842.0
162.5°	850.7	850.0	849.3	849.3	850.2	851.0	851.9	852.7	851.9	851.0	850.2
165°	860.9	860.5	860.1	860.2	861.1	862.0	862.8	863.7	862.8	862.0	861.1
167.5°	869.0	868.6	868.2	868.4	869.3	870.1	871.0	871.8	871.0	870.1	869.3
170°	873.3	873.1	872.7	873.1	873.9	874.8	875.6	876.5	875.6	874.8	873.9
172.5°	876.4	876.1	875.8	876.1	876.9	877.8	878.6	879.5	878.6	877.8	876.9
175°	879.7	879.4	879.1	879.5	880.5	881.5	882.4	883.4	882.4	881.5	880.5
177.5°	880.8	880.7	880.6	880.9	881.7	882.5	883.3	884.1	883.3	882.5	881.7
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



TEST NUMBER: P331747-940

CATALOG NUMBER: SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1938.8	1934.9	1927.8	1916.8	1910.3	1898.8	1891.1	1895.5	1896.7	1895.5	1894.4
5°	1886.7	1872.3	1852.5	1833.4	1815.6	1796.4	1785.6	1780.7	1771.2	1765.7	1763.0
7.5°	1823.6	1798.9	1770.9	1737.6	1709.2	1679.6	1664.5	1656.9	1637.4	1626.7	1617.4
10°	1776.6	1737.7	1709.7	1666.0	1639.3	1600.4	1573.7	1574.4	1547.7	1532.7	1521.8
12.5°	1724.7	1681.9	1635.3	1596.0	1559.0	1527.7	1495.5	1482.6	1454.3	1439.8	1410.2
15°	1638.6	1588.8	1539.5	1486.2	1448.7	1400.2	1353.7	1297.0	1251.2	1211.6	1200.6
17.5°	1544.6	1482.8	1433.5	1370.9	1306.5	1224.9	1171.1	1138.2	1110.5	1089.7	1074.1
20°	1480.1	1417.2	1364.6	1270.3	1183.5	1128.2	1088.5	1063.3	1034.6	1012.0	999.7
22.5°	1412.3	1346.7	1275.0	1169.7	1102.1	1057.7	1022.3	993.3	973.8	956.3	945.0
25°	1316.1	1244.3	1126.1	1053.6	999.0	952.5	927.9	910.2	889.7	865.8	854.9
27.5°	1214.4	1100.3	1015.4	961.5	909.4	879.1	857.0	830.5	812.2	801.4	790.1
30°	1138.4	1024.3	958.1	899.3	862.4	828.8	802.9	787.9	770.1	751.6	744.1
32.5°	1053.6	962.5	899.0	850.1	812.6	784.1	763.6	739.2	726.4	715.1	699.3
35°	948.4	879.4	821.4	781.8	746.2	723.0	699.0	684.7	661.5	651.9	645.8
37.5°	859.3	799.5	756.2	714.3	686.2	660.5	645.9	623.0	613.0	599.7	586.7
40°	809.0	750.3	708.6	674.4	643.0	623.8	605.4	587.0	571.9	565.8	550.1
42.5°	757.7	709.8	668.2	630.7	609.7	589.4	566.1	552.5	537.0	527.0	517.3
45°	686.7	644.4	608.9	578.1	554.8	533.7	518.6	496.1	487.2	467.4	459.2
47.5°	624.5	585.1	551.2	521.9	499.3	485.4	463.4	445.8	431.6	419.5	408.9
50°	580.1	547.3	514.5	488.6	468.1	448.3	425.7	416.8	394.9	388.8	382.6
52.5°	539.7	508.5	478.5	453.1	432.6	413.3	393.4	381.8	367.1	361.0	356.4
55°	483.1	453.1	424.4	401.8	381.3	361.5	349.2	334.8	328.0	323.2	317.7
57.5°	426.2	399.2	377.2	354.4	333.8	318.0	303.8	295.2	288.1	281.8	275.3
60°	390.2	364.2	344.4	323.2	302.0	289.0	278.1	267.9	259.7	250.1	247.4
62.5°	351.9	329.2	311.0	290.4	272.0	260.1	249.7	240.0	230.2	216.2	212.4
65°	299.3	281.5	262.4	245.3	228.9	217.3	202.2	191.4	187.3	185.8	185.2
67.5°	251.7	235.0	218.6	201.0	186.1	175.3	167.7	166.0	163.2	162.4	160.4
70°	220.1	204.3	187.9	171.5	157.2	155.2	152.4	149.6	146.2	144.9	143.5
72.5°	191.6	175.3	158.9	145.8	139.6	137.1	134.4	131.6	129.3	128.0	127.1
75°	147.0	131.9	120.9	116.2	112.7	110.7	106.6	104.5	103.2	101.1	100.4
77.5°	105.8	97.3	92.3	89.3	85.7	83.5	81.1	79.1	77.7	77.2	76.2
80°	80.6	76.5	73.1	69.0	67.7	64.9	64.2	62.2	62.9	60.8	60.8
82.5°	62.6	57.4	54.6	52.6	51.3	49.0	48.4	47.4	47.5	46.0	46.0
85°	32.1	30.8	29.4	28.0	28.0	25.9	26.7	25.9	25.9	24.6	23.9
87.5°	11.8	11.5	10.6	10.9	11.1	10.8	10.9	10.5	10.6	10.8	10.3
90°	6.9	8.2	9.4	10.5	11.6	12.8	13.5	14.2	14.9	15.6	16.1
92.5°	12.3	12.6	13.1	13.6	14.3	14.8	15.2	15.5	15.9	16.2	16.6
95°	22.7	20.9	21.9	22.9	23.9	24.9	25.6	26.3	27.0	27.7	28.0
97.5°	29.5	24.1	26.4	28.7	31.0	33.3	33.9	34.4	35.0	35.6	35.9
100°	35.2	26.8	29.2	31.6	34.0	36.4	37.5	38.6	39.8	40.9	41.6
102.5°	130.1	118.0	97.8	77.7	57.5	37.4	38.9	40.3	41.8	43.2	44.2
105°	210.9	193.7	155.0	116.3	77.6	38.9	40.5	42.0	43.6	45.1	46.2
107.5°	261.6	240.1	193.7	147.3	100.9	54.5	52.9	51.3	49.7	48.2	47.6
110°	294.4	275.4	234.5	193.6	152.6	111.6	97.5	83.3	69.1	54.9	48.2



TEST NUMBER: P331747-940

CATALOG NUMBER: SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	325.7	322.0	311.9	301.8	291.7	281.5	229.9	178.2	126.4	74.7	49.0
115°	376.4	379.4	382.9	386.5	390.0	393.6	328.0	262.3	196.7	131.1	93.1
117.5°	423.6	426.1	428.6	431.1	433.5	436.0	420.1	404.2	388.3	372.4	347.7
120°	455.0	457.4	459.9	462.4	465.0	467.5	469.2	471.0	472.7	474.4	465.7
122.5°	484.0	486.5	489.4	492.1	494.9	497.7	498.6	499.7	500.7	501.8	500.4
125°	525.9	528.2	530.9	533.6	536.3	539.0	540.0	541.0	542.0	543.0	543.7
127.5°	566.1	568.2	570.2	572.2	574.3	576.2	577.7	579.2	580.6	582.0	582.8
130°	592.1	594.0	595.6	597.1	598.7	600.2	601.8	603.3	604.9	606.5	607.2
132.5°	616.3	618.0	619.6	621.1	622.7	624.2	625.5	626.9	628.2	629.5	630.2
135°	650.8	652.6	653.8	655.1	656.4	657.6	659.1	660.5	661.9	663.3	663.9
137.5°	681.6	683.1	684.6	686.0	687.4	688.9	690.3	691.7	693.0	694.5	694.9
140°	701.7	703.1	704.6	706.2	707.8	709.4	710.6	711.9	713.1	714.4	714.7
142.5°	719.6	721.0	722.8	724.6	726.4	728.2	729.3	730.5	731.6	732.8	733.1
145°	743.9	744.9	747.3	749.8	752.2	754.6	755.6	756.6	757.6	758.6	758.7
147.5°	767.4	768.3	770.7	773.0	775.4	777.8	778.6	779.3	780.1	780.8	780.9
150°	781.9	782.6	784.8	787.0	789.3	791.6	792.5	793.3	794.2	795.0	795.0
152.5°	795.2	795.8	797.9	800.0	802.2	804.3	805.2	806.0	806.9	807.8	807.7
155°	814.6	814.8	816.5	818.1	819.8	821.5	822.4	823.3	824.1	825.0	824.8
157.5°	831.1	831.1	832.3	833.5	834.6	835.9	836.9	837.8	838.7	839.7	839.6
160°	841.2	841.2	842.0	842.8	843.6	844.5	845.4	846.2	847.1	847.9	847.8
162.5°	849.3	849.3	850.0	850.7	851.5	852.2	853.2	854.1	855.1	856.0	856.0
165°	860.2	860.1	860.5	860.9	861.3	861.7	862.7	863.7	864.8	865.8	865.8
167.5°	868.4	868.2	868.6	869.0	869.4	869.8	870.8	871.8	872.8	873.8	873.6
170°	873.1	872.7	873.1	873.3	873.6	873.9	874.9	875.8	876.8	877.9	877.7
172.5°	876.1	875.8	876.1	876.4	876.6	876.9	878.0	879.0	879.9	880.9	880.7
175°	879.5	879.1	879.4	879.7	879.9	880.3	881.3	882.3	883.2	884.2	884.0
177.5°	880.9	880.6	880.7	880.8	880.9	881.0	881.8	882.6	883.4	884.2	884.1
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



TEST NUMBER: P331747-940

CATALOG NUMBER: SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1888.5	1889.5	1887.9	1889.0	1887.9	1889.5	1888.5	1894.4	1895.5	1896.7	1895.5
5°	1759.5	1751.3	1750.0	1747.9	1750.0	1751.3	1759.5	1763.0	1765.7	1771.2	1780.7
7.5°	1605.7	1604.5	1601.1	1596.3	1601.1	1604.5	1605.7	1617.4	1626.7	1637.4	1656.9
10°	1506.7	1503.3	1502.6	1497.8	1502.6	1503.3	1506.7	1521.8	1532.7	1547.7	1574.4
12.5°	1390.8	1368.9	1366.5	1354.6	1366.5	1368.9	1390.8	1410.2	1439.8	1454.3	1482.6
15°	1184.2	1180.1	1166.4	1157.5	1166.4	1180.1	1184.2	1200.6	1211.6	1251.2	1297.0
17.5°	1066.1	1052.8	1048.5	1046.6	1048.5	1052.8	1066.1	1074.1	1089.7	1110.5	1138.2
20°	990.2	977.9	975.8	974.5	975.8	977.9	990.2	999.7	1012.0	1034.6	1063.3
22.5°	937.6	924.8	919.4	915.3	919.4	924.8	937.6	945.0	956.3	973.8	993.3
25°	848.0	843.2	840.5	839.1	840.5	843.2	848.0	854.9	865.8	889.7	910.2
27.5°	777.9	767.4	765.4	761.8	765.4	767.4	777.9	790.1	801.4	812.2	830.5
30°	738.0	734.6	729.8	725.7	729.8	734.6	738.0	744.1	751.6	770.1	787.9
32.5°	691.0	688.1	683.9	682.0	683.9	688.1	691.0	699.3	715.1	726.4	739.2
35°	638.9	629.4	625.3	619.1	625.3	629.4	638.9	645.8	651.9	661.5	684.7
37.5°	583.8	578.8	573.0	575.1	573.0	578.8	583.8	586.7	599.7	613.0	623.0
40°	541.2	537.8	536.5	535.7	536.5	537.8	541.2	550.1	565.8	571.9	587.0
42.5°	507.3	497.8	494.3	494.2	494.3	497.8	507.3	517.3	527.0	537.0	552.5
45°	455.8	446.9	440.8	441.4	440.8	446.9	455.8	459.2	467.4	487.2	496.1
47.5°	403.1	402.8	399.0	400.1	399.0	402.8	403.1	408.9	419.5	431.6	445.8
50°	377.9	373.8	371.0	371.8	371.0	373.8	377.9	382.6	388.8	394.9	416.8
52.5°	353.8	350.3	348.1	351.0	348.1	350.3	353.8	356.4	361.0	367.1	381.8
55°	314.3	310.2	309.5	308.9	309.5	310.2	314.3	317.7	323.2	328.0	334.8
57.5°	270.2	267.4	263.3	261.5	263.3	267.4	270.2	275.3	281.8	288.1	295.2
60°	238.4	233.0	226.1	225.5	226.1	233.0	238.4	247.4	250.1	259.7	267.9
62.5°	209.5	208.4	207.1	206.9	207.1	208.4	209.5	212.4	216.2	230.2	240.0
65°	183.8	183.2	183.8	184.5	183.8	183.2	183.8	185.2	185.8	187.3	191.4
67.5°	160.2	158.9	157.7	158.3	157.7	158.9	160.2	160.4	162.4	163.2	166.0
70°	142.1	141.4	140.8	140.8	140.8	141.4	142.1	143.5	144.9	146.2	149.6
72.5°	124.7	124.5	123.9	123.2	123.9	124.5	124.7	127.1	128.0	129.3	131.6
75°	99.8	98.4	98.4	98.4	98.4	98.4	99.8	100.4	101.1	103.2	104.5
77.5°	76.0	75.3	74.6	74.1	74.6	75.3	76.0	76.2	77.2	77.7	79.1
80°	60.1	59.5	58.8	58.8	58.8	59.5	60.1	60.8	60.8	62.9	62.2
82.5°	45.9	45.2	45.1	44.6	45.1	45.2	45.9	46.0	46.0	47.5	47.4
85°	24.6	25.3	24.6	25.9	24.6	25.3	24.6	23.9	24.6	25.9	25.9
87.5°	10.3	9.9	10.5	10.0	10.5	9.9	10.3	10.3	10.8	10.6	10.5
90°	16.4	16.7	16.9	17.2	16.9	16.7	16.4	16.1	15.6	14.9	14.2
92.5°	16.7	16.9	17.0	17.2	17.0	16.9	16.7	16.6	16.2	15.9	15.5
95°	27.8	27.7	27.6	27.5	27.6	27.7	27.8	28.0	27.7	27.0	26.3
97.5°	36.1	36.3	36.5	36.6	36.5	36.3	36.1	35.9	35.6	35.0	34.4
100°	41.9	42.2	42.4	42.7	42.4	42.2	41.9	41.6	40.9	39.8	38.6
102.5°	44.6	45.0	45.4	45.8	45.4	45.0	44.6	44.2	43.2	41.8	40.3
105°	46.8	47.3	47.9	48.5	47.9	47.3	46.8	46.2	45.1	43.6	42.0
107.5°	48.2	48.8	49.3	49.8	49.3	48.8	48.2	47.6	48.2	49.7	51.3
110°	48.7	49.2	49.8	50.4	49.8	49.2	48.7	48.2	54.9	69.1	83.3



TEST NUMBER: P331747-940

CATALOG NUMBER: SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	49.6	50.0	50.5	50.9	50.5	50.0	49.6	49.0	74.7	126.4	178.2
115°	82.9	72.7	62.5	52.3	62.5	72.7	82.9	93.1	131.1	196.7	262.3
117.5°	314.1	280.6	247.1	213.6	247.1	280.6	314.1	347.7	372.4	388.3	404.2
120°	446.5	427.4	408.2	389.1	408.2	427.4	446.5	465.7	474.4	472.7	471.0
122.5°	496.7	492.9	489.3	485.5	489.3	492.9	496.7	500.4	501.8	500.7	499.7
125°	544.1	544.6	544.9	545.4	544.9	544.6	544.1	543.7	543.0	542.0	541.0
127.5°	582.9	583.0	583.1	583.2	583.1	583.0	582.9	582.8	582.0	580.6	579.2
130°	607.1	606.9	606.7	606.6	606.7	606.9	607.1	607.2	606.5	604.9	603.3
132.5°	630.0	629.9	629.7	629.5	629.7	629.9	630.0	630.2	629.5	628.2	626.9
135°	663.6	663.3	663.0	662.7	663.0	663.3	663.6	663.9	663.3	661.9	660.5
137.5°	694.5	693.9	693.5	692.9	693.5	693.9	694.5	694.9	694.5	693.0	691.7
140°	714.0	713.3	712.6	711.9	712.6	713.3	714.0	714.7	714.4	713.1	711.9
142.5°	732.4	731.6	730.9	730.2	730.9	731.6	732.4	733.1	732.8	731.6	730.5
145°	758.0	757.3	756.6	755.9	756.6	757.3	758.0	758.7	758.6	757.6	756.6
147.5°	780.2	779.6	779.1	778.5	779.1	779.6	780.2	780.9	780.8	780.1	779.3
150°	794.3	793.6	792.9	792.2	792.9	793.6	794.3	795.0	795.0	794.2	793.3
152.5°	806.8	805.8	804.9	804.0	804.9	805.8	806.8	807.7	807.8	806.9	806.0
155°	823.7	822.6	821.4	820.3	821.4	822.6	823.7	824.8	825.0	824.1	823.3
157.5°	838.6	837.4	836.3	835.3	836.3	837.4	838.6	839.6	839.7	838.7	837.8
160°	846.9	845.9	844.9	843.9	844.9	845.9	846.9	847.8	847.9	847.1	846.2
162.5°	854.7	853.5	852.3	851.0	852.3	853.5	854.7	856.0	856.0	855.1	854.1
165°	864.8	863.7	862.7	861.7	862.7	863.7	864.8	865.8	865.8	864.8	863.7
167.5°	872.4	871.1	869.8	868.5	869.8	871.1	872.4	873.6	873.8	872.8	871.8
170°	876.5	875.1	873.9	872.6	873.9	875.1	876.5	877.7	877.9	876.8	875.8
172.5°	879.5	878.2	876.9	875.7	876.9	878.2	879.5	880.7	880.9	879.9	879.0
175°	882.6	881.2	879.8	878.3	879.8	881.2	882.6	884.0	884.2	883.2	882.3
177.5°	883.1	882.1	881.0	880.0	881.0	882.1	883.1	884.1	884.2	883.4	882.6
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



TEST NUMBER: P331747-940  
 CATALOG NUMBER: SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1891.1	1898.8	1910.3	1916.8	1927.8	1934.9	1938.8	1945.8	1949.6	1963.4	1977.5
5°	1785.6	1796.4	1815.6	1833.4	1852.5	1872.3	1886.7	1903.1	1918.1	1944.0	1971.4
7.5°	1664.5	1679.6	1709.2	1737.6	1770.9	1798.9	1823.6	1851.6	1876.7	1913.9	1952.7
10°	1573.7	1600.4	1639.3	1666.0	1709.7	1737.7	1776.6	1807.4	1842.3	1891.4	1935.2
12.5°	1495.5	1527.7	1559.0	1596.0	1635.3	1681.9	1724.7	1764.2	1805.6	1856.5	1907.8
15°	1353.7	1400.2	1448.7	1486.2	1539.5	1588.8	1638.6	1691.9	1742.5	1803.3	1870.3
17.5°	1171.1	1224.9	1306.5	1370.9	1433.5	1482.8	1544.6	1609.1	1668.7	1742.0	1816.6
20°	1088.5	1128.2	1183.5	1270.3	1364.6	1417.2	1480.1	1551.1	1619.4	1699.4	1779.4
22.5°	1022.3	1057.7	1102.1	1169.7	1275.0	1346.7	1412.3	1484.4	1563.7	1645.3	1734.0
25°	927.9	952.5	999.0	1053.6	1126.1	1244.3	1316.1	1388.5	1474.6	1562.1	1663.2
27.5°	857.0	879.1	909.4	961.5	1015.4	1100.3	1214.4	1293.4	1379.2	1477.7	1582.6
30°	802.9	828.8	862.4	899.3	958.1	1024.3	1138.4	1230.0	1314.7	1415.9	1527.9
32.5°	763.6	784.1	812.6	850.1	899.0	962.5	1053.6	1164.9	1247.5	1354.1	1471.1
35°	699.0	723.0	746.2	781.8	821.4	879.4	948.4	1067.4	1149.3	1254.5	1372.1
37.5°	645.9	660.5	686.2	714.3	756.2	799.5	859.3	966.0	1054.6	1158.0	1278.3
40°	605.4	623.8	643.0	674.4	708.6	750.3	809.0	888.3	990.2	1091.3	1208.8
42.5°	566.1	589.4	609.7	630.7	668.2	709.8	757.7	824.9	928.9	1024.6	1138.8
45°	518.6	533.7	554.8	578.1	608.9	644.4	686.7	745.5	845.3	927.9	1035.3
47.5°	463.4	485.4	499.3	521.9	551.2	585.1	624.5	675.3	756.0	833.5	933.0
50°	425.7	448.3	468.1	488.6	514.5	547.3	580.1	629.4	694.3	775.6	868.5
52.5°	393.4	413.3	432.6	453.1	478.5	508.5	539.7	582.9	638.5	713.3	803.4
55°	349.2	361.5	381.3	401.8	424.4	453.1	483.1	519.3	567.1	630.0	703.1
57.5°	303.8	318.0	333.8	354.4	377.2	399.2	426.2	459.1	496.8	553.7	616.3
60°	278.1	289.0	302.0	323.2	344.4	364.2	390.2	417.5	453.1	502.2	555.5
62.5°	249.7	260.1	272.0	290.4	311.0	329.2	351.9	380.8	411.0	455.8	502.5
65°	202.2	217.3	228.9	245.3	262.4	281.5	299.3	322.5	349.2	384.7	426.4
67.5°	167.7	175.3	186.1	201.0	218.6	235.0	251.7	269.9	293.0	320.5	353.6
70°	152.4	155.2	157.2	171.5	187.9	204.3	220.1	237.1	256.9	279.5	308.2
72.5°	134.4	137.1	139.6	145.8	158.9	175.3	191.6	204.3	223.0	241.7	265.0
75°	106.6	110.7	112.7	116.2	120.9	131.9	147.0	159.2	170.1	184.5	203.0
77.5°	81.1	83.5	85.7	89.3	92.3	97.3	105.8	116.8	127.1	135.5	148.1
80°	64.2	64.9	67.7	69.0	73.1	76.5	80.6	89.5	99.8	103.2	112.1
82.5°	48.4	49.0	51.3	52.6	54.6	57.4	62.6	64.9	72.9	77.5	83.1
85°	26.7	25.9	28.0	28.0	29.4	30.8	32.1	35.5	37.5	43.1	44.4
87.5°	10.9	10.8	11.1	10.9	10.6	11.5	11.8	12.0	12.8	14.1	16.0
90°	13.5	12.8	11.6	10.5	9.4	8.2	6.9	5.4	3.7	2.2	0.6
92.5°	15.2	14.8	14.3	13.6	13.1	12.6	12.3	12.5	12.6	12.8	12.8
95°	25.6	24.9	23.9	22.9	21.9	20.9	22.7	27.5	32.1	36.8	41.5
97.5°	33.9	33.3	31.0	28.7	26.4	24.1	29.5	42.7	55.9	69.1	82.3
100°	37.5	36.4	34.0	31.6	29.2	26.8	35.2	54.7	74.1	93.5	112.9
102.5°	38.9	37.4	57.5	77.7	97.8	118.0	130.1	134.3	138.4	142.5	146.6
105°	40.5	38.9	77.6	116.3	155.0	193.7	210.9	206.7	202.4	198.1	193.9
107.5°	52.9	54.5	100.9	147.3	193.7	240.1	261.6	258.2	254.8	251.3	247.9
110°	97.5	111.6	152.6	193.6	234.5	275.4	294.4	291.5	288.6	285.5	282.6



TEST NUMBER: P331747-940

CATALOG NUMBER: SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	229.9	281.5	291.7	301.8	311.9	322.0	325.7	323.2	320.5	317.9	315.2
115°	328.0	393.6	390.0	386.5	382.9	379.4	376.4	374.0	371.6	369.2	366.8
117.5°	420.1	436.0	433.5	431.1	428.6	426.1	423.6	420.9	418.2	415.5	412.9
120°	469.2	467.5	465.0	462.4	459.9	457.4	455.0	452.9	450.8	448.6	446.5
122.5°	498.6	497.7	494.9	492.1	489.4	486.5	484.0	481.8	479.6	477.3	475.1
125°	540.0	539.0	536.3	533.6	530.9	528.2	525.9	524.1	522.3	520.4	518.6
127.5°	577.7	576.2	574.3	572.2	570.2	568.2	566.1	564.1	562.1	560.1	558.0
130°	601.8	600.2	598.7	597.1	595.6	594.0	592.1	589.8	587.5	585.3	583.0
132.5°	625.5	624.2	622.7	621.1	619.6	618.0	616.3	614.3	612.4	610.5	608.5
135°	659.1	657.6	656.4	655.1	653.8	652.6	650.8	648.5	646.2	644.0	641.7
137.5°	690.3	688.9	687.4	686.0	684.6	683.1	681.6	680.0	678.4	676.8	675.3
140°	710.6	709.4	707.8	706.2	704.6	703.1	701.7	700.6	699.5	698.3	697.2
142.5°	729.3	728.2	726.4	724.6	722.8	721.0	719.6	718.6	717.6	716.6	715.6
145°	755.6	754.6	752.2	749.8	747.3	744.9	743.9	744.0	744.1	744.2	744.4
147.5°	778.6	777.8	775.4	773.0	770.7	768.3	767.4	767.9	768.5	769.0	769.5
150°	792.5	791.6	789.3	787.0	784.8	782.6	781.9	782.9	783.9	784.9	785.9
152.5°	805.2	804.3	802.2	800.0	797.9	795.8	795.2	796.3	797.5	798.5	799.6
155°	822.4	821.5	819.8	818.1	816.5	814.8	814.6	815.8	817.1	818.4	819.7
157.5°	836.9	835.9	834.6	833.5	832.3	831.1	831.1	832.1	833.2	834.3	835.4
160°	845.4	844.5	843.6	842.8	842.0	841.2	841.2	842.0	842.8	843.6	844.5
162.5°	853.2	852.2	851.5	850.7	850.0	849.3	849.3	850.2	851.0	851.9	852.7
165°	862.7	861.7	861.3	860.9	860.5	860.1	860.2	861.1	862.0	862.8	863.7
167.5°	870.8	869.8	869.4	869.0	868.6	868.2	868.4	869.3	870.1	871.0	871.8
170°	874.9	873.9	873.6	873.3	873.1	872.7	873.1	873.9	874.8	875.6	876.5
172.5°	878.0	876.9	876.6	876.4	876.1	875.8	876.1	876.9	877.8	878.6	879.5
175°	881.3	880.3	879.9	879.7	879.4	879.1	879.5	880.5	881.5	882.4	883.4
177.5°	881.8	881.0	880.9	880.8	880.7	880.6	880.9	881.7	882.5	883.3	884.1
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



TEST NUMBER: P331747-940

CATALOG NUMBER: SA2XXRDIP-C1005D725U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	1978.1	1979.7	1990.7	1995.6	2005.5	2009.2	2013.7	2012.5	2012.5	2014.7	2030.0
5°	1982.4	1996.0	2016.5	2036.3	2055.5	2071.8	2082.8	2093.7	2097.8	2117.6	2135.4
7.5°	1975.2	2000.4	2034.3	2064.5	2100.7	2129.0	2152.5	2173.6	2188.2	2217.0	2246.5
10°	1966.0	2001.4	2039.7	2078.7	2128.5	2166.1	2204.4	2233.8	2243.4	2286.4	2311.0
12.5°	1947.3	1994.9	2043.5	2094.0	2142.8	2194.6	2236.7	2266.0	2299.6	2338.3	2383.7
15°	1919.5	1974.2	2037.6	2102.6	2172.3	2235.2	2280.3	2331.5	2368.4	2410.7	2450.4
17.5°	1879.5	1949.8	2030.6	2105.8	2186.4	2253.9	2316.0	2365.1	2391.1	2415.3	2421.2
20°	1847.7	1923.6	2018.6	2107.4	2188.0	2265.9	2327.4	2368.4	2375.3	2375.9	2339.7
22.5°	1813.3	1899.0	1998.3	2089.4	2185.9	2272.4	2320.3	2337.8	2310.7	2264.4	2194.3
25°	1750.0	1849.1	1964.5	2068.4	2173.6	2255.7	2272.1	2241.3	2146.3	2046.6	1920.1
27.5°	1681.4	1792.8	1916.6	2032.0	2144.1	2194.9	2159.5	2048.7	1877.7	1728.9	1548.7
30°	1631.1	1756.1	1877.8	2006.9	2110.8	2132.6	2051.4	1888.0	1688.5	1464.4	1284.7
32.5°	1573.7	1704.8	1838.4	1971.9	2058.9	2037.6	1903.2	1702.2	1468.2	1247.9	1078.0
35°	1491.7	1627.0	1771.2	1905.1	1960.4	1868.2	1667.3	1405.6	1166.4	960.7	843.9
37.5°	1397.0	1544.4	1694.3	1817.2	1813.3	1659.6	1385.9	1115.7	914.7	793.1	709.8
40°	1329.7	1478.7	1640.7	1744.5	1700.1	1499.9	1203.4	948.4	801.6	704.5	643.7
42.5°	1265.2	1414.8	1575.7	1658.1	1580.9	1334.8	1039.4	839.6	718.5	642.7	593.4
45°	1155.5	1313.3	1462.3	1508.1	1370.0	1098.8	840.5	695.6	615.0	558.9	524.8
47.5°	1048.2	1203.5	1339.4	1340.2	1153.6	891.1	709.0	602.0	533.2	489.8	464.9
50°	982.6	1130.2	1244.3	1226.5	1014.8	792.6	634.1	541.9	484.5	451.0	425.0
52.5°	908.8	1052.0	1150.8	1100.3	897.2	697.5	566.9	489.4	441.8	412.7	389.5
55°	801.6	928.6	998.4	921.8	731.8	580.1	479.0	418.2	382.6	358.0	338.2
57.5°	696.2	801.0	844.9	755.7	602.8	481.1	405.2	359.5	324.3	306.7	296.4
60°	630.0	719.5	750.3	651.9	524.1	420.9	358.7	316.4	290.4	278.8	268.6
62.5°	565.0	638.1	650.8	560.6	456.9	368.5	315.0	279.2	262.0	250.9	241.2
65°	468.8	521.4	515.2	442.8	361.5	292.5	253.5	231.7	218.6	203.0	185.8
67.5°	385.9	418.0	398.7	344.4	275.9	227.3	201.9	185.3	169.2	154.3	150.3
70°	333.5	351.9	331.4	281.5	226.1	190.6	170.1	150.3	140.8	137.3	131.2
72.5°	283.2	289.6	267.4	224.7	184.0	157.8	137.9	126.8	121.6	118.8	114.8
75°	212.5	207.8	188.6	155.2	127.8	110.0	103.9	99.8	96.3	93.6	91.6
77.5°	149.3	142.2	125.2	103.3	89.0	80.5	76.8	74.6	72.9	71.6	69.6
80°	112.1	107.3	90.2	73.8	67.7	63.6	61.5	58.8	58.8	57.4	55.4
82.5°	82.0	76.7	61.8	54.1	50.7	48.2	46.7	45.1	44.6	44.9	43.3
85°	43.1	34.9	30.8	29.4	27.4	25.9	26.7	25.3	25.3	25.3	24.6
87.5°	13.6	11.1	10.9	10.7	11.5	11.7	11.4	11.6	12.4	11.9	12.7
90°	2.2	3.7	5.4	6.9	8.2	9.4	10.5	11.6	12.8	13.5	14.2
92.5°	12.8	12.6	12.5	12.3	12.6	13.1	13.6	14.3	14.8	15.2	15.5
95°	36.8	32.1	27.5	22.7	20.9	21.9	22.9	23.9	24.9	25.6	26.3
97.5°	69.1	55.9	42.7	29.5	24.1	26.4	28.7	31.0	33.3	33.9	34.4
100°	93.5	74.1	54.7	35.2	26.8	29.2	31.6	34.0	36.4	37.5	38.6
102.5°	142.5	138.4	134.3	130.1	118.0	97.8	77.7	57.5	37.4	38.9	40.3
105°	198.1	202.4	206.7	210.9	193.7	155.0	116.3	77.6	38.9	40.5	42.0
107.5°	251.3	254.8	258.2	261.6	240.1	193.7	147.3	100.9	54.5	52.9	51.3
110°	285.5	288.6	291.5	294.4	275.4	234.5	193.6	152.6	111.6	97.5	83.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	317.9	320.5	323.2	325.7	322.0	311.9	301.8	291.7	281.5	229.9	178.2
115°	369.2	371.6	374.0	376.4	379.4	382.9	386.5	390.0	393.6	328.0	262.3
117.5°	415.5	418.2	420.9	423.6	426.1	428.6	431.1	433.5	436.0	420.1	404.2
120°	448.6	450.8	452.9	455.0	457.4	459.9	462.4	465.0	467.5	469.2	471.0
122.5°	477.3	479.6	481.8	484.0	486.5	489.4	492.1	494.9	497.7	498.6	499.7
125°	520.4	522.3	524.1	525.9	528.2	530.9	533.6	536.3	539.0	540.0	541.0
127.5°	560.1	562.1	564.1	566.1	568.2	570.2	572.2	574.3	576.2	577.7	579.2
130°	585.3	587.5	589.8	592.1	594.0	595.6	597.1	598.7	600.2	601.8	603.3
132.5°	610.5	612.4	614.3	616.3	618.0	619.6	621.1	622.7	624.2	625.5	626.9
135°	644.0	646.2	648.5	650.8	652.6	653.8	655.1	656.4	657.6	659.1	660.5
137.5°	676.8	678.4	680.0	681.6	683.1	684.6	686.0	687.4	688.9	690.3	691.7
140°	698.3	699.5	700.6	701.7	703.1	704.6	706.2	707.8	709.4	710.6	711.9
142.5°	716.6	717.6	718.6	719.6	721.0	722.8	724.6	726.4	728.2	729.3	730.5
145°	744.2	744.1	744.0	743.9	744.9	747.3	749.8	752.2	754.6	755.6	756.6
147.5°	769.0	768.5	767.9	767.4	768.3	770.7	773.0	775.4	777.8	778.6	779.3
150°	784.9	783.9	782.9	781.9	782.6	784.8	787.0	789.3	791.6	792.5	793.3
152.5°	798.5	797.5	796.3	795.2	795.8	797.9	800.0	802.2	804.3	805.2	806.0
155°	818.4	817.1	815.8	814.6	814.8	816.5	818.1	819.8	821.5	822.4	823.3
157.5°	834.3	833.2	832.1	831.1	831.1	832.3	833.5	834.6	835.9	836.9	837.8
160°	843.6	842.8	842.0	841.2	841.2	842.0	842.8	843.6	844.5	845.4	846.2
162.5°	851.9	851.0	850.2	849.3	849.3	850.0	850.7	851.5	852.2	853.2	854.1
165°	862.8	862.0	861.1	860.2	860.1	860.5	860.9	861.3	861.7	862.7	863.7
167.5°	871.0	870.1	869.3	868.4	868.2	868.6	869.0	869.4	869.8	870.8	871.8
170°	875.6	874.8	873.9	873.1	872.7	873.1	873.3	873.6	873.9	874.9	875.8
172.5°	878.6	877.8	876.9	876.1	875.8	876.1	876.4	876.6	876.9	878.0	879.0
175°	882.4	881.5	880.5	879.5	879.1	879.4	879.7	879.9	880.3	881.3	882.3
177.5°	883.3	882.5	881.7	880.9	880.6	880.7	880.8	880.9	881.0	881.8	882.6
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5	881.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6	1966.6
2.5°	2035.5	2042.6	2045.9	2045.9	2049.7	2048.1	2046.4
5°	2152.5	2165.4	2168.2	2180.5	2189.3	2186.7	2188.0
7.5°	2268.8	2289.6	2310.3	2319.8	2321.2	2326.7	2328.8
10°	2340.4	2357.5	2389.6	2384.8	2408.7	2422.4	2399.9
12.5°	2409.2	2432.3	2454.6	2460.8	2474.3	2478.7	2469.8
15°	2471.6	2483.9	2485.3	2481.8	2485.9	2482.5	2469.5
17.5°	2413.3	2393.4	2353.0	2333.8	2318.6	2296.2	2287.2
20°	2317.1	2258.3	2190.0	2162.8	2130.6	2067.7	2082.8
22.5°	2109.4	2042.5	1974.2	1894.4	1856.2	1796.6	1793.1
25°	1786.2	1670.7	1543.6	1454.8	1402.8	1343.5	1317.4
27.5°	1388.8	1243.4	1139.2	1086.5	1038.5	991.4	989.4
30°	1127.5	1018.2	937.5	892.4	863.0	843.2	847.3
32.5°	950.4	875.5	821.1	783.6	761.9	747.0	746.7
35°	776.9	725.7	690.8	675.1	659.4	648.5	649.2
37.5°	664.9	634.1	614.7	597.4	587.5	582.2	579.2
40°	607.4	582.2	567.1	556.9	548.7	541.2	539.8
42.5°	562.1	541.2	526.2	518.1	510.4	505.2	503.7
45°	498.8	481.7	468.1	459.2	455.8	451.0	451.0
47.5°	443.7	427.0	416.3	410.7	404.8	401.6	401.5
50°	406.6	393.6	384.1	380.6	375.9	373.8	373.1
52.5°	373.3	363.6	356.7	354.4	352.3	349.7	350.2
55°	328.0	322.5	319.8	317.7	314.3	310.2	313.0
57.5°	289.9	285.3	277.9	271.4	268.3	265.4	266.5
60°	263.1	253.5	244.0	236.4	234.3	228.2	228.2
62.5°	229.2	215.8	204.0	199.8	197.8	194.9	194.3
65°	176.3	170.9	168.1	165.3	164.0	164.0	162.6
67.5°	146.1	143.9	140.9	140.2	138.8	138.5	138.0
70°	129.1	126.4	125.0	124.4	123.0	123.7	121.6
72.5°	112.7	110.6	110.3	108.5	107.7	107.8	106.3
75°	88.8	88.8	88.2	87.5	86.1	85.4	86.1
77.5°	68.3	68.5	67.2	67.1	67.0	67.1	66.4
80°	54.7	55.4	54.7	53.9	53.3	53.9	53.3
82.5°	43.2	42.3	42.1	42.0	41.8	41.4	41.3
85°	24.6	25.3	24.6	23.9	23.9	23.9	24.6
87.5°	12.3	12.4	12.5	12.6	12.7	12.7	12.2
90°	14.9	15.6	16.1	16.4	16.7	16.9	17.2
92.5°	15.9	16.2	16.6	16.7	16.9	17.0	17.2
95°	27.0	27.7	28.0	27.8	27.7	27.6	27.5
97.5°	35.0	35.6	35.9	36.1	36.3	36.5	36.6
100°	39.8	40.9	41.6	41.9	42.2	42.4	42.7
102.5°	41.8	43.2	44.2	44.6	45.0	45.4	45.8
105°	43.6	45.1	46.2	46.8	47.3	47.9	48.5
107.5°	49.7	48.2	47.6	48.2	48.8	49.3	49.8
110°	69.1	54.9	48.2	48.7	49.2	49.8	50.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	126.4	74.7	49.0	49.6	50.0	50.5	50.9
115°	196.7	131.1	93.1	82.9	72.7	62.5	52.3
117.5°	388.3	372.4	347.7	314.1	280.6	247.1	213.6
120°	472.7	474.4	465.7	446.5	427.4	408.2	389.1
122.5°	500.7	501.8	500.4	496.7	492.9	489.3	485.5
125°	542.0	543.0	543.7	544.1	544.6	544.9	545.4
127.5°	580.6	582.0	582.8	582.9	583.0	583.1	583.2
130°	604.9	606.5	607.2	607.1	606.9	606.7	606.6
132.5°	628.2	629.5	630.2	630.0	629.9	629.7	629.5
135°	661.9	663.3	663.9	663.6	663.3	663.0	662.7
137.5°	693.0	694.5	694.9	694.5	693.9	693.5	692.9
140°	713.1	714.4	714.7	714.0	713.3	712.6	711.9
142.5°	731.6	732.8	733.1	732.4	731.6	730.9	730.2
145°	757.6	758.6	758.7	758.0	757.3	756.6	755.9
147.5°	780.1	780.8	780.9	780.2	779.6	779.1	778.5
150°	794.2	795.0	795.0	794.3	793.6	792.9	792.2
152.5°	806.9	807.8	807.7	806.8	805.8	804.9	804.0
155°	824.1	825.0	824.8	823.7	822.6	821.4	820.3
157.5°	838.7	839.7	839.6	838.6	837.4	836.3	835.3
160°	847.1	847.9	847.8	846.9	845.9	844.9	843.9
162.5°	855.1	856.0	856.0	854.7	853.5	852.3	851.0
165°	864.8	865.8	865.8	864.8	863.7	862.7	861.7
167.5°	872.8	873.8	873.6	872.4	871.1	869.8	868.5
170°	876.8	877.9	877.7	876.5	875.1	873.9	872.6
172.5°	879.9	880.9	880.7	879.5	878.2	876.9	875.7
175°	883.2	884.2	884.0	882.6	881.2	879.8	878.3
177.5°	883.4	884.2	884.1	883.1	882.1	881.0	880.0
180°	881.5	881.5	881.5	881.5	881.5	881.5	881.5

(END OF REPORT)