

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: P331748-840

Luminaire Tested: **SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331748-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6468.3 lumens
Efficiency: N/A
Efficacy: 106.6 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

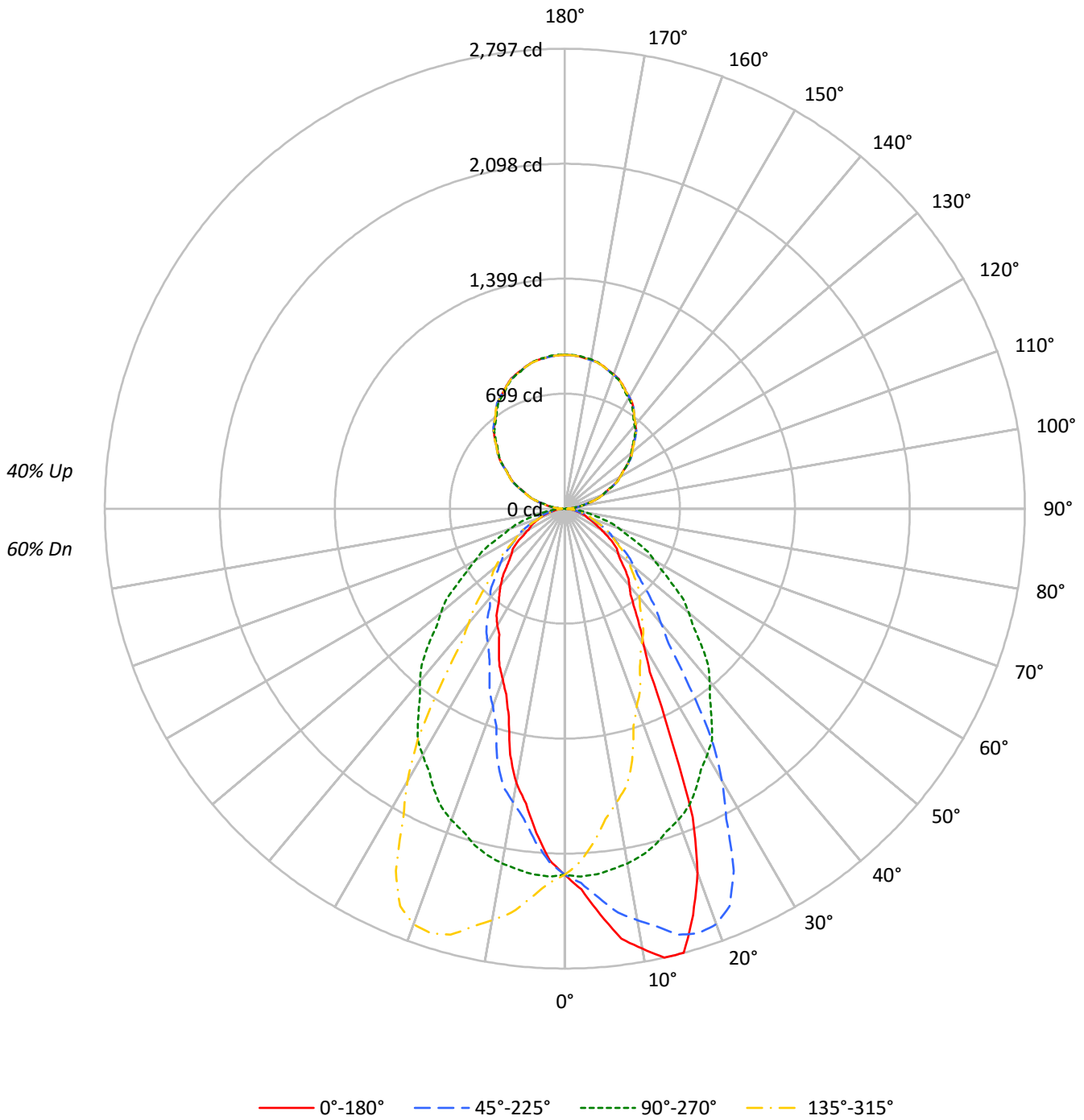
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60				
1	101	97	93	90	94	91	88	85	79	77	75	69	67	65	59	58	57	52				
2	93	86	80	75	86	80	75	71	70	67	63	61	59	56	53	51	49	45				
3	85	76	69	64	79	72	66	61	63	58	55	55	52	49	48	45	43	39				
4	79	68	61	55	73	64	58	52	57	52	48	50	46	43	43	41	38	35				
5	73	61	54	48	68	58	51	46	51	46	42	45	41	38	40	37	34	31				
6	67	56	48	42	63	53	46	41	47	41	37	42	37	34	37	33	30	28				
7	63	51	43	38	59	48	41	36	43	37	33	38	34	30	34	30	28	25				
8	58	46	39	34	55	44	37	33	40	34	30	35	31	28	31	28	25	23				
9	55	43	35	31	51	41	34	29	37	31	27	33	28	25	29	26	23	21				
10	51	39	32	28	48	38	31	27	34	29	25	30	26	23	27	24	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35960	35960	35960	35960
5°	40161	36185	32083	36185
10°	44558	35931	27811	35931
15°	46748	35405	21912	35405
20°	40527	34625	18962	34625
25°	26580	33556	16930	33556
30°	17890	32261	15321	32261
35°	14491	30628	13819	30628
40°	12886	28854	12787	28854
45°	11663	26772	11415	26772
50°	10613	24707	10575	24707
55°	9979	22415	9847	22415
60°	8344	20315	8247	20315
65°	7037	18449	7981	18449
70°	6500	16475	7530	16475
75°	6089	14336	6949	14336
80°	5616	11799	6192	11799
85°	5169	9318	5446	9318



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	3.3
10°-20°	588.3	9.1
20°-30°	758.1	11.7
30°-40°	720.4	11.1
40°-50°	617.1	9.5
50°-60°	470.0	7.3
60°-70°	297.1	4.6
70°-80°	148.4	2.3
80°-90°	42.4	0.7
90°-100°	59.3	0.9
100°-110°	184.1	2.8
110°-120°	314.7	4.9
120°-130°	413.8	6.4
130°-140°	464.4	7.2
140°-150°	455.4	7.0
150°-160°	382.0	5.9
160°-170°	253.3	3.9
170°-180°	88.5	1.4
0°-30°	1557.5	24.1
0°-40°	2277.9	35.2
0°-60°	3365.0	52.0
0°-90°	3852.8	59.6
90°-120°	558.0	8.6
90°-150°	1891.7	29.2
90°-180°	2616.0	40.4
0°-180°	6468.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2227	2227	2227	2227	2227	
5°	2478	2233	1980	2233	2478	245
15°	2797	2118	1311	2118	2797	754
25°	1492	1884	950	1884	1492	708
35°	735	1554	701	1554	735	470
45°	511	1172	500	1172	511	395
55°	354	796	350	796	354	311
65°	184	483	209	483	184	187
75°	98	230	111	230	98	103
85°	28	50	29	50	28	31
90°	27	1	27	1	27	13
95°	49	41	49	41	49	55
105°	175	170	175	170	175	184
115°	316	316	316	316	316	312
125°	461	459	461	459	461	411
135°	602	594	602	594	602	463
145°	729	721	729	721	729	455
155°	831	825	831	825	831	383
165°	898	898	898	898	898	253
175°	931	934	931	934	931	88
180°	935	935	935	935	935	



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2317.5	2319.5	2321.3	2316.9	2316.9	2313.2	2305.2	2299.0	2281.7	2279.2	2279.2
5°	2477.9	2476.4	2479.4	2469.4	2455.5	2452.4	2437.7	2418.3	2398.2	2375.8	2371.2
7.5°	2637.4	2635.0	2628.8	2627.2	2616.5	2593.0	2569.4	2544.2	2510.7	2478.1	2461.6
10°	2717.8	2743.4	2727.8	2700.8	2706.2	2669.9	2650.5	2617.3	2589.4	2540.6	2529.8
12.5°	2797.0	2807.1	2802.2	2786.8	2779.9	2754.6	2728.5	2699.6	2648.2	2604.3	2566.3
15°	2796.7	2811.5	2815.3	2810.7	2814.6	2813.0	2799.0	2775.1	2730.2	2682.2	2640.4
17.5°	2590.3	2600.5	2625.9	2643.0	2664.7	2710.6	2733.1	2742.0	2735.3	2708.0	2678.5
20°	2358.7	2341.7	2412.9	2449.3	2480.2	2557.6	2624.1	2649.7	2690.7	2690.0	2682.2
22.5°	2030.6	2034.7	2102.1	2145.4	2235.7	2313.1	2388.9	2485.1	2564.5	2616.9	2647.6
25°	1492.0	1521.5	1588.7	1647.6	1748.2	1892.1	2022.9	2174.5	2317.7	2430.7	2538.3
27.5°	1120.5	1122.8	1176.1	1230.4	1290.2	1408.2	1572.8	1753.9	1958.0	2126.5	2320.2
30°	959.6	954.9	977.3	1010.7	1061.8	1153.1	1276.9	1454.9	1658.4	1912.2	2138.2
32.5°	845.7	846.0	862.8	887.5	929.9	991.5	1076.3	1220.8	1413.2	1662.7	1927.7
35°	735.2	734.4	746.8	764.6	782.3	821.8	879.9	955.7	1088.0	1321.0	1591.9
37.5°	655.9	659.3	665.4	676.5	696.2	718.1	753.0	803.9	898.2	1035.9	1263.5
40°	611.4	612.9	621.4	630.7	642.3	659.3	687.9	729.0	797.9	907.8	1074.1
42.5°	570.5	572.1	578.0	586.7	595.9	612.9	636.6	672.1	727.9	813.6	950.9
45°	510.8	510.8	516.1	520.1	530.1	545.5	564.9	594.3	633.0	696.5	787.8
47.5°	454.7	454.8	458.5	465.1	471.4	483.5	502.5	526.5	554.7	603.8	681.8
50°	422.5	423.3	425.7	431.0	434.9	445.8	460.5	481.3	510.8	548.7	613.7
52.5°	396.6	396.1	399.0	401.3	403.9	411.7	422.7	441.1	467.4	500.4	554.2
55°	354.5	351.3	356.0	359.8	362.1	365.3	371.4	383.0	405.5	433.3	473.6
57.5°	301.8	300.5	303.9	307.4	314.7	323.1	328.3	335.7	347.3	367.3	407.2
60°	258.4	258.4	265.4	267.7	276.3	287.1	297.9	304.2	315.8	328.9	358.3
62.5°	220.0	220.8	224.0	226.3	231.1	244.4	259.5	273.2	284.2	296.7	316.2
65°	184.2	185.7	185.7	187.2	190.4	193.5	199.7	210.5	229.8	247.6	262.4
67.5°	156.3	156.8	157.2	158.8	159.6	163.0	165.4	170.3	174.7	191.6	209.8
70°	137.7	140.1	139.3	140.9	141.6	143.2	146.2	148.6	155.5	159.5	170.3
72.5°	120.4	122.1	122.0	122.9	124.9	125.2	127.6	130.0	134.5	137.7	143.6
75°	97.6	96.7	97.6	99.1	99.9	100.6	100.6	103.7	106.0	109.1	113.0
77.5°	75.2	76.0	75.8	76.0	76.1	77.6	77.4	78.8	81.1	82.6	84.5
80°	60.4	61.1	60.4	61.1	61.9	62.7	61.9	62.7	65.0	66.6	66.6
82.5°	46.8	46.9	47.4	47.6	47.7	47.9	48.9	49.1	50.8	50.5	51.1
85°	27.9	27.1	27.1	27.1	27.9	28.7	27.9	27.9	28.7	28.7	28.7
87.5°	15.2	15.9	15.9	15.8	15.8	15.8	15.9	16.6	16.0	16.7	15.2
90°	26.9	26.7	26.5	26.4	26.2	26.3	26.6	27.0	27.3	27.7	23.7
92.5°	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2	25.1	25.1	24.2
95°	49.0	49.3	49.7	50.0	50.4	50.5	50.5	50.5	50.5	50.5	50.2
97.5°	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.2
100°	108.2	108.4	108.5	108.7	108.9	109.0	109.0	109.0	109.0	109.0	108.4
102.5°	134.6	134.8	135.0	135.2	135.3	135.4	135.2	135.1	134.9	134.8	134.1
105°	175.2	175.2	175.2	175.2	175.2	175.1	174.7	174.4	174.0	173.7	173.3
107.5°	213.5	214.3	215.1	215.9	216.7	217.0	216.8	216.7	216.6	216.4	216.4
110°	243.1	243.7	244.2	244.7	245.2	245.5	245.5	245.5	245.5	245.5	245.5



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	271.6	272.0	272.3	272.7	273.1	273.5	273.9	274.3	274.8	275.2	275.3
115°	315.8	316.3	316.8	317.3	317.8	318.2	318.4	318.5	318.7	318.9	319.2
117.5°	357.9	358.4	358.9	359.5	360.0	360.4	360.9	361.3	361.7	362.1	363.1
120°	387.6	388.1	388.6	389.1	389.7	389.9	389.9	389.9	389.9	389.9	391.3
122.5°	416.7	417.0	417.4	417.8	418.2	418.6	419.0	419.4	419.8	420.2	421.2
125°	461.0	461.2	461.3	461.5	461.7	462.0	462.5	463.1	463.6	464.1	464.6
127.5°	501.4	502.0	502.5	503.1	503.6	504.2	504.8	505.5	506.1	506.8	507.4
130°	530.5	531.2	531.9	532.5	533.2	533.8	534.1	534.5	534.8	535.2	535.5
132.5°	558.3	558.8	559.4	559.9	560.5	561.2	561.9	562.7	563.5	564.2	564.1
135°	601.5	602.0	602.6	603.1	603.6	603.9	604.1	604.3	604.5	604.6	604.3
137.5°	640.7	641.4	642.1	642.8	643.5	643.9	644.0	644.2	644.3	644.4	644.0
140°	667.8	668.5	669.2	669.9	670.6	671.0	671.0	671.0	671.0	671.0	670.0
142.5°	692.5	693.2	693.8	694.5	695.2	695.5	695.4	695.2	695.1	695.0	694.4
145°	729.3	730.0	730.7	731.4	732.2	732.5	732.3	732.1	732.0	731.7	730.6
147.5°	762.3	763.1	763.7	764.4	765.1	765.2	764.8	764.4	764.0	763.7	763.0
150°	783.9	784.4	784.9	785.4	786.0	786.0	785.4	784.9	784.4	783.9	783.2
152.5°	804.1	804.7	805.4	806.1	806.7	806.7	806.1	805.4	804.7	804.1	803.1
155°	831.2	831.7	832.2	832.7	833.3	833.1	832.2	831.3	830.5	829.6	829.1
157.5°	854.5	855.4	856.3	857.1	857.9	857.8	856.6	855.4	854.1	852.9	852.6
160°	869.1	869.8	870.5	871.2	871.9	871.7	870.7	869.6	868.6	867.5	867.4
162.5°	881.7	882.5	883.4	884.2	885.0	884.9	883.7	882.5	881.3	880.1	880.0
165°	898.3	899.2	900.0	900.9	901.8	901.6	900.4	899.2	898.0	896.7	896.7
167.5°	911.9	912.8	913.7	914.6	915.5	915.3	914.1	912.9	911.7	910.4	910.5
170°	918.8	919.9	920.9	922.0	923.0	922.9	921.7	920.5	919.3	918.0	918.2
172.5°	924.5	925.5	926.6	927.7	928.7	928.6	927.4	926.1	924.9	923.7	923.9
175°	930.7	931.7	932.7	933.8	934.8	934.7	933.5	932.3	931.1	929.9	930.2
177.5°	933.5	934.3	935.1	936.0	936.9	936.9	936.0	935.1	934.3	933.5	933.7
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2280.5	2275.4	2271.2	2260.0	2254.4	2242.0	2240.2	2239.6	2223.5	2208.0	2203.6
5°	2358.7	2346.3	2327.8	2306.1	2283.7	2260.5	2245.0	2232.6	2201.6	2172.2	2155.3
7.5°	2437.7	2411.1	2379.0	2338.0	2303.8	2265.4	2237.0	2211.4	2167.5	2125.4	2097.0
10°	2496.5	2453.2	2410.5	2354.1	2310.0	2266.6	2226.4	2191.6	2142.0	2086.4	2046.9
12.5°	2533.0	2485.4	2426.7	2371.5	2314.3	2259.3	2205.3	2160.6	2102.4	2044.9	1998.0
15°	2582.4	2531.3	2460.1	2381.2	2307.6	2235.7	2173.8	2118.1	2042.3	1973.4	1916.1
17.5°	2622.8	2552.5	2476.1	2384.8	2299.7	2208.2	2128.5	2057.3	1972.9	1889.8	1822.3
20°	2635.7	2566.2	2477.9	2386.6	2286.0	2178.5	2092.5	2015.2	1924.6	1834.0	1756.7
22.5°	2627.8	2573.5	2475.5	2366.2	2263.1	2150.6	2053.6	1963.8	1863.3	1770.9	1681.1
25°	2573.1	2554.6	2461.6	2342.5	2224.8	2094.1	1981.9	1883.6	1769.1	1670.0	1572.5
27.5°	2445.7	2485.8	2428.2	2301.3	2170.5	2030.3	1904.2	1792.3	1673.4	1562.0	1464.8
30°	2323.2	2415.2	2390.5	2272.8	2126.6	1988.8	1847.2	1730.4	1603.5	1488.9	1393.0
32.5°	2155.4	2307.5	2331.7	2233.2	2082.0	1930.7	1782.2	1666.0	1533.5	1412.8	1319.3
35°	1888.2	2115.8	2220.2	2157.6	2005.9	1842.6	1689.3	1553.9	1420.8	1301.6	1208.8
37.5°	1569.5	1879.5	2053.6	2058.0	1918.7	1749.0	1582.1	1447.6	1311.4	1194.4	1094.0
40°	1362.8	1698.6	1925.4	1975.7	1858.1	1674.7	1505.9	1369.0	1235.9	1121.4	1006.0
42.5°	1177.1	1511.7	1790.4	1877.8	1784.4	1602.3	1432.9	1289.7	1160.3	1052.0	934.2
45°	951.9	1244.4	1551.6	1707.9	1656.1	1487.3	1308.6	1172.5	1050.9	957.3	844.2
47.5°	802.9	1009.2	1306.5	1517.8	1516.9	1362.9	1187.1	1056.6	943.9	856.2	764.8
50°	718.1	897.7	1149.2	1389.1	1409.2	1280.0	1112.8	983.6	878.4	786.3	712.8
52.5°	642.0	789.9	1016.1	1246.1	1303.3	1191.4	1029.3	909.9	807.8	723.1	660.1
55°	542.5	657.0	828.8	1043.9	1130.6	1051.7	907.8	796.3	713.5	642.3	588.1
57.5°	458.9	544.8	682.7	855.9	956.8	907.2	788.4	697.9	627.0	562.6	519.9
60°	406.3	476.7	593.6	738.3	849.7	814.9	713.5	629.1	568.8	513.1	472.8
62.5°	356.8	417.3	517.5	634.9	737.0	722.7	639.9	569.1	516.1	465.4	431.3
65°	287.1	331.2	409.4	501.5	583.5	590.5	530.9	482.9	435.7	395.5	365.3
67.5°	228.6	257.4	312.5	390.0	451.5	473.4	437.1	400.4	362.9	331.8	305.7
70°	192.7	215.9	256.1	318.8	375.4	398.5	377.7	349.0	316.5	290.9	268.5
72.5°	156.1	178.7	208.4	254.5	302.9	328.0	320.7	300.1	273.8	252.6	231.4
75°	117.6	124.6	144.7	175.7	213.6	235.3	240.7	229.8	208.9	192.7	180.3
77.5°	86.9	91.2	100.8	117.0	141.8	161.1	169.1	167.7	153.4	143.9	132.3
80°	69.7	72.0	76.6	83.6	102.2	121.5	126.9	126.9	116.8	113.0	101.4
82.5°	52.9	54.6	57.5	61.3	70.0	86.8	92.9	94.1	87.8	82.6	73.5
85°	30.2	29.4	31.0	33.3	34.8	39.5	48.8	50.3	48.8	42.5	40.2
87.5°	14.5	14.3	13.5	12.3	12.5	12.7	15.5	18.1	16.1	14.6	13.8
90°	19.9	16.1	12.2	9.2	7.1	5.0	2.9	0.8	2.9	5.0	7.1
92.5°	23.2	22.3	21.4	20.2	18.7	17.2	15.6	14.0	15.6	17.2	18.7
95°	49.8	49.5	49.1	48.1	46.4	44.5	42.8	41.0	42.8	44.5	46.4
97.5°	83.6	82.9	82.3	81.2	79.6	78.1	76.5	75.0	76.5	78.1	79.6
100°	107.9	107.3	106.8	105.8	104.4	103.0	101.7	100.3	101.7	103.0	104.4
102.5°	133.5	132.8	132.2	131.3	130.2	129.1	127.8	126.7	127.8	129.1	130.2
105°	173.0	172.6	172.3	171.8	171.3	170.8	170.3	169.8	170.3	170.8	171.3
107.5°	216.4	216.4	216.4	216.0	215.3	214.5	213.8	213.0	213.8	214.5	215.3
110°	245.5	245.5	245.5	245.0	243.9	242.9	241.8	240.8	241.8	242.9	243.9



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.5	275.6	275.7	275.3	274.2	273.2	272.2	271.0	272.2	273.2	274.2
115°	319.6	319.9	320.3	319.9	318.9	317.8	316.8	315.8	316.8	317.8	318.9
117.5°	364.2	365.1	366.1	365.9	364.5	363.0	361.6	360.2	361.6	363.0	364.5
120°	392.7	394.2	395.6	395.6	394.2	392.7	391.3	389.9	391.3	392.7	394.2
122.5°	422.2	423.2	424.1	423.8	422.1	420.5	418.8	417.1	418.8	420.5	422.1
125°	465.1	465.7	466.3	465.7	464.1	462.5	461.0	459.4	461.0	462.5	464.1
127.5°	508.1	508.7	509.3	508.6	506.6	504.6	502.6	500.6	502.6	504.6	506.6
130°	535.8	536.2	536.5	535.6	533.3	531.1	528.8	526.5	528.8	531.1	533.3
132.5°	564.1	564.0	563.9	563.0	561.1	559.3	557.4	555.5	557.4	559.3	561.1
135°	603.9	603.6	603.2	602.1	600.2	598.2	596.3	594.4	596.3	598.2	600.2
137.5°	643.5	643.1	642.6	641.6	640.1	638.4	636.8	635.3	636.8	638.4	640.1
140°	669.2	668.3	667.4	666.2	664.6	663.1	661.5	659.9	661.5	663.1	664.6
142.5°	693.8	693.2	692.6	691.5	689.9	688.3	686.7	685.2	686.7	688.3	689.9
145°	729.6	728.6	727.5	726.4	725.2	724.0	722.7	721.4	722.7	724.0	725.2
147.5°	762.2	761.5	760.8	759.7	758.2	756.8	755.3	753.9	755.3	756.8	758.2
150°	782.4	781.7	781.0	780.1	779.1	778.0	777.0	776.0	777.0	778.0	779.1
152.5°	802.3	801.5	800.6	799.7	798.7	797.6	796.6	795.5	796.6	797.6	798.7
155°	828.6	828.0	827.5	827.0	826.5	826.0	825.4	824.9	825.4	826.0	826.5
157.5°	852.3	852.0	851.7	851.4	851.0	850.7	850.3	850.0	850.3	850.7	851.0
160°	867.2	867.0	866.8	866.6	866.2	865.9	865.5	865.2	865.5	865.9	866.2
162.5°	879.8	879.6	879.4	879.3	879.2	879.2	879.1	879.0	879.1	879.2	879.2
165°	896.7	896.7	896.7	896.8	897.0	897.2	897.4	897.5	897.4	897.2	897.0
167.5°	910.5	910.6	910.6	910.9	911.4	911.9	912.4	912.9	912.4	911.9	911.4
170°	918.4	918.6	918.7	919.1	919.6	920.1	920.7	921.2	920.7	920.1	919.6
172.5°	924.0	924.2	924.4	924.7	925.2	925.8	926.3	926.9	926.3	925.8	925.2
175°	930.6	930.9	931.3	931.7	932.2	932.7	933.3	933.8	933.3	932.7	932.2
177.5°	934.0	934.3	934.6	934.9	935.3	935.8	936.2	936.6	936.2	935.8	935.3
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2195.6	2191.3	2183.2	2170.8	2163.4	2150.4	2141.7	2146.7	2148.0	2146.7	2145.5
5°	2136.7	2120.4	2098.0	2076.3	2056.2	2034.5	2022.2	2016.7	2005.9	1999.6	1996.6
7.5°	2065.3	2037.3	2005.6	1967.8	1935.7	1902.2	1885.0	1876.4	1854.3	1842.3	1831.7
10°	2012.1	1967.9	1936.2	1886.7	1856.5	1812.4	1782.2	1783.0	1752.8	1735.8	1723.4
12.5°	1953.3	1904.8	1852.0	1807.5	1765.5	1730.1	1693.6	1679.0	1647.0	1630.5	1597.1
15°	1855.7	1799.3	1743.5	1683.1	1640.6	1585.7	1533.1	1468.8	1416.9	1372.1	1359.7
17.5°	1749.3	1679.3	1623.5	1552.6	1479.7	1387.3	1326.3	1289.0	1257.7	1234.1	1216.4
20°	1676.2	1605.0	1545.4	1438.7	1340.3	1277.7	1232.7	1204.2	1171.6	1146.1	1132.2
22.5°	1599.4	1525.1	1443.9	1324.7	1248.1	1197.8	1157.8	1124.9	1102.9	1083.0	1070.3
25°	1490.5	1409.2	1275.4	1193.3	1131.4	1078.7	1050.9	1030.8	1007.5	980.5	968.2
27.5°	1375.3	1246.1	1149.9	1088.9	1029.9	995.6	970.6	940.6	919.8	907.6	894.7
30°	1289.3	1160.0	1085.0	1018.4	976.6	938.7	909.3	892.3	872.1	851.2	842.7
32.5°	1193.3	1090.0	1018.1	962.7	920.3	888.0	864.7	837.2	822.6	809.8	791.9
35°	1074.1	995.9	930.2	885.3	845.1	818.8	791.6	775.4	749.1	738.3	731.3
37.5°	973.2	905.4	856.4	809.0	777.1	748.0	731.4	705.6	694.2	679.1	664.5
40°	916.3	849.7	802.5	763.8	728.2	706.5	685.6	664.8	647.7	640.8	623.0
42.5°	858.1	803.9	756.7	714.3	690.4	667.5	641.1	625.7	608.1	596.8	585.8
45°	777.7	729.7	689.5	654.7	628.3	604.4	587.3	561.8	551.8	529.4	520.1
47.5°	707.2	662.6	624.2	591.1	565.4	549.8	524.8	504.8	488.8	475.0	463.1
50°	657.0	619.9	582.7	553.3	530.1	507.7	482.1	472.0	447.3	440.3	433.3
52.5°	611.2	575.9	541.9	513.1	489.9	468.1	445.6	432.4	415.8	408.8	403.6
55°	547.1	513.1	480.6	455.0	431.8	409.4	395.5	379.2	371.4	366.1	359.8
57.5°	482.7	452.1	427.2	401.3	378.0	360.1	344.1	334.3	326.3	319.1	311.7
60°	441.9	412.4	390.0	366.1	342.0	327.3	315.0	303.4	294.1	283.3	280.1
62.5°	398.5	372.8	352.2	328.9	308.0	294.6	282.8	271.8	260.6	244.9	240.5
65°	338.9	318.8	297.2	277.8	259.2	246.1	229.0	216.7	212.1	210.5	209.7
67.5°	285.1	266.1	247.5	227.6	210.8	198.5	190.0	188.0	184.8	183.9	181.7
70°	249.2	231.4	212.8	194.2	178.0	175.7	172.6	169.5	165.6	164.1	162.5
72.5°	217.0	198.5	180.0	165.1	158.1	155.2	152.2	149.1	146.4	144.9	143.9
75°	166.4	149.4	136.9	131.6	127.6	125.3	120.7	118.4	116.8	114.5	113.7
77.5°	119.8	110.2	104.5	101.1	97.0	94.5	91.9	89.6	88.0	87.5	86.2
80°	91.3	86.6	82.8	78.2	76.6	73.5	72.7	70.4	71.2	68.9	68.9
82.5°	70.9	65.0	61.8	59.6	58.1	55.5	54.8	53.7	53.8	52.1	52.1
85°	36.4	34.8	33.3	31.7	31.7	29.4	30.2	29.4	29.4	27.9	27.1
87.5°	13.6	13.5	13.1	13.9	14.6	14.8	14.7	14.0	13.9	13.9	13.2
90°	9.2	12.2	16.1	19.9	23.7	27.7	27.3	27.0	26.6	26.3	26.2
92.5°	20.2	21.4	22.3	23.2	24.2	25.1	25.1	25.2	25.3	25.3	25.4
95°	48.1	49.1	49.5	49.8	50.2	50.5	50.5	50.5	50.5	50.5	50.4
97.5°	81.2	82.3	82.9	83.6	84.2	84.9	84.9	84.9	84.9	84.9	84.9
100°	105.8	106.8	107.3	107.9	108.4	109.0	109.0	109.0	109.0	109.0	108.9
102.5°	131.3	132.2	132.8	133.5	134.1	134.8	134.9	135.1	135.2	135.4	135.3
105°	171.8	172.3	172.6	173.0	173.3	173.7	174.0	174.4	174.7	175.1	175.2
107.5°	216.0	216.4	216.4	216.4	216.4	216.4	216.6	216.7	216.8	217.0	216.7
110°	245.0	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.2



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	275.3	275.7	275.6	275.5	275.3	275.2	274.8	274.3	273.9	273.5	273.1
115°	319.9	320.3	319.9	319.6	319.2	318.9	318.7	318.5	318.4	318.2	317.8
117.5°	365.9	366.1	365.1	364.2	363.1	362.1	361.7	361.3	360.9	360.4	360.0
120°	395.6	395.6	394.2	392.7	391.3	389.9	389.9	389.9	389.9	389.9	389.7
122.5°	423.8	424.1	423.2	422.2	421.2	420.2	419.8	419.4	419.0	418.6	418.2
125°	465.7	466.3	465.7	465.1	464.6	464.1	463.6	463.1	462.5	462.0	461.7
127.5°	508.6	509.3	508.7	508.1	507.4	506.8	506.1	505.5	504.8	504.2	503.6
130°	535.6	536.5	536.2	535.8	535.5	535.2	534.8	534.5	534.1	533.8	533.2
132.5°	563.0	563.9	564.0	564.1	564.1	564.2	563.5	562.7	561.9	561.2	560.5
135°	602.1	603.2	603.6	603.9	604.3	604.6	604.5	604.3	604.1	603.9	603.6
137.5°	641.6	642.6	643.1	643.5	644.0	644.4	644.3	644.2	644.0	643.9	643.5
140°	666.2	667.4	668.3	669.2	670.0	671.0	671.0	671.0	671.0	671.0	670.6
142.5°	691.5	692.6	693.2	693.8	694.4	695.0	695.1	695.2	695.4	695.5	695.2
145°	726.4	727.5	728.6	729.6	730.6	731.7	732.0	732.1	732.3	732.5	732.2
147.5°	759.7	760.8	761.5	762.2	763.0	763.7	764.0	764.4	764.8	765.2	765.1
150°	780.1	781.0	781.7	782.4	783.2	783.9	784.4	784.9	785.4	786.0	786.0
152.5°	799.7	800.6	801.5	802.3	803.1	804.1	804.7	805.4	806.1	806.7	806.7
155°	827.0	827.5	828.0	828.6	829.1	829.6	830.5	831.3	832.2	833.1	833.3
157.5°	851.4	851.7	852.0	852.3	852.6	852.9	854.1	855.4	856.6	857.8	857.9
160°	866.6	866.8	867.0	867.2	867.4	867.5	868.6	869.6	870.7	871.7	871.9
162.5°	879.3	879.4	879.6	879.8	880.0	880.1	881.3	882.5	883.7	884.9	885.0
165°	896.8	896.7	896.7	896.7	896.7	896.7	898.0	899.2	900.4	901.6	901.8
167.5°	910.9	910.6	910.6	910.5	910.5	910.4	911.7	912.9	914.1	915.3	915.5
170°	919.1	918.7	918.6	918.4	918.2	918.0	919.3	920.5	921.7	922.9	923.0
172.5°	924.7	924.4	924.2	924.0	923.9	923.7	924.9	926.1	927.4	928.6	928.7
175°	931.7	931.3	930.9	930.6	930.2	929.9	931.1	932.3	933.5	934.7	934.8
177.5°	934.9	934.6	934.3	934.0	933.7	933.5	934.3	935.1	936.0	936.9	936.9
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2138.7	2139.9	2138.1	2139.3	2138.1	2139.9	2138.7	2145.5	2146.7	2148.0	2146.7
5°	1992.7	1983.4	1981.9	1979.5	1981.9	1983.4	1992.7	1996.6	1999.6	2005.9	2016.7
7.5°	1818.5	1817.1	1813.2	1807.8	1813.2	1817.1	1818.5	1831.7	1842.3	1854.3	1876.4
10°	1706.4	1702.5	1701.7	1696.3	1701.7	1702.5	1706.4	1723.4	1735.8	1752.8	1783.0
12.5°	1575.1	1550.2	1547.6	1534.1	1547.6	1550.2	1575.1	1597.1	1630.5	1647.0	1679.0
15°	1341.1	1336.5	1321.0	1310.9	1321.0	1336.5	1341.1	1359.7	1372.1	1416.9	1468.8
17.5°	1207.4	1192.2	1187.4	1185.3	1187.4	1192.2	1207.4	1216.4	1234.1	1257.7	1289.0
20°	1121.4	1107.4	1105.1	1103.6	1105.1	1107.4	1121.4	1132.2	1146.1	1171.6	1204.2
22.5°	1061.9	1047.3	1041.3	1036.6	1041.3	1047.3	1061.9	1070.3	1083.0	1102.9	1124.9
25°	960.4	954.9	951.9	950.3	951.9	954.9	960.4	968.2	980.5	1007.5	1030.8
27.5°	881.0	869.1	866.8	862.7	866.8	869.1	881.0	894.7	907.6	919.8	940.6
30°	835.8	831.9	826.5	821.8	826.5	831.9	835.8	842.7	851.2	872.1	892.3
32.5°	782.5	779.3	774.5	772.3	774.5	779.3	782.5	791.9	809.8	822.6	837.2
35°	723.6	712.8	708.1	701.1	708.1	712.8	723.6	731.3	738.3	749.1	775.4
37.5°	661.2	655.5	648.9	651.3	648.9	655.5	661.2	664.5	679.1	694.2	705.6
40°	612.9	609.0	607.5	606.7	607.5	609.0	612.9	623.0	640.8	647.7	664.8
42.5°	574.5	563.8	559.8	559.7	559.8	563.8	574.5	585.8	596.8	608.1	625.7
45°	516.1	506.1	499.2	499.9	499.2	506.1	516.1	520.1	529.4	551.8	561.8
47.5°	456.5	456.2	451.8	453.1	451.8	456.2	456.5	463.1	475.0	488.8	504.8
50°	428.0	423.3	420.2	421.0	420.2	423.3	428.0	433.3	440.3	447.3	472.0
52.5°	400.7	396.7	394.3	397.5	394.3	396.7	400.7	403.6	408.8	415.8	432.4
55°	356.0	351.3	350.5	349.8	350.5	351.3	356.0	359.8	366.1	371.4	379.2
57.5°	306.0	302.9	298.2	296.2	298.2	302.9	306.0	311.7	319.1	326.3	334.3
60°	270.0	263.9	256.1	255.4	256.1	263.9	270.0	280.1	283.3	294.1	303.4
62.5°	237.2	236.0	234.5	234.3	234.5	236.0	237.2	240.5	244.9	260.6	271.8
65°	208.1	207.4	208.1	208.9	208.1	207.4	208.1	209.7	210.5	212.1	216.7
67.5°	181.4	180.0	178.6	179.3	178.6	180.0	181.4	181.7	183.9	184.8	188.0
70°	161.0	160.2	159.5	159.5	159.5	160.2	161.0	162.5	164.1	165.6	169.5
72.5°	141.2	141.0	140.3	139.6	140.3	141.0	141.2	143.9	144.9	146.4	149.1
75°	113.0	111.4	111.4	111.4	111.4	111.4	113.0	113.7	114.5	116.8	118.4
77.5°	86.0	85.2	84.5	83.9	84.5	85.2	86.0	86.2	87.5	88.0	89.6
80°	68.1	67.4	66.6	66.6	66.6	67.4	68.1	68.9	68.9	71.2	70.4
82.5°	52.0	51.2	51.1	50.5	51.1	51.2	52.0	52.1	52.1	53.8	53.7
85°	27.9	28.7	27.9	29.4	27.9	28.7	27.9	27.1	27.9	29.4	29.4
87.5°	13.3	12.7	13.4	12.8	13.4	12.7	13.3	13.2	13.9	13.9	14.0
90°	26.4	26.5	26.7	26.9	26.7	26.5	26.4	26.2	26.3	26.6	27.0
92.5°	25.4	25.5	25.5	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2
95°	50.0	49.7	49.3	49.0	49.3	49.7	50.0	50.4	50.5	50.5	50.5
97.5°	84.9	84.8	84.8	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9
100°	108.7	108.5	108.4	108.2	108.4	108.5	108.7	108.9	109.0	109.0	109.0
102.5°	135.2	135.0	134.8	134.6	134.8	135.0	135.2	135.3	135.4	135.2	135.1
105°	175.2	175.2	175.2	175.2	175.2	175.2	175.2	175.2	175.1	174.7	174.4
107.5°	215.9	215.1	214.3	213.5	214.3	215.1	215.9	216.7	217.0	216.8	216.7
110°	244.7	244.2	243.7	243.1	243.7	244.2	244.7	245.2	245.5	245.5	245.5



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	272.7	272.3	272.0	271.6	272.0	272.3	272.7	273.1	273.5	273.9	274.3
115°	317.3	316.8	316.3	315.8	316.3	316.8	317.3	317.8	318.2	318.4	318.5
117.5°	359.5	358.9	358.4	357.9	358.4	358.9	359.5	360.0	360.4	360.9	361.3
120°	389.1	388.6	388.1	387.6	388.1	388.6	389.1	389.7	389.9	389.9	389.9
122.5°	417.8	417.4	417.0	416.7	417.0	417.4	417.8	418.2	418.6	419.0	419.4
125°	461.5	461.3	461.2	461.0	461.2	461.3	461.5	461.7	462.0	462.5	463.1
127.5°	503.1	502.5	502.0	501.4	502.0	502.5	503.1	503.6	504.2	504.8	505.5
130°	532.5	531.9	531.2	530.5	531.2	531.9	532.5	533.2	533.8	534.1	534.5
132.5°	559.9	559.4	558.8	558.3	558.8	559.4	559.9	560.5	561.2	561.9	562.7
135°	603.1	602.6	602.0	601.5	602.0	602.6	603.1	603.6	603.9	604.1	604.3
137.5°	642.8	642.1	641.4	640.7	641.4	642.1	642.8	643.5	643.9	644.0	644.2
140°	669.9	669.2	668.5	667.8	668.5	669.2	669.9	670.6	671.0	671.0	671.0
142.5°	694.5	693.8	693.2	692.5	693.2	693.8	694.5	695.2	695.5	695.4	695.2
145°	731.4	730.7	730.0	729.3	730.0	730.7	731.4	732.2	732.5	732.3	732.1
147.5°	764.4	763.7	763.1	762.3	763.1	763.7	764.4	765.1	765.2	764.8	764.4
150°	785.4	784.9	784.4	783.9	784.4	784.9	785.4	786.0	786.0	785.4	784.9
152.5°	806.1	805.4	804.7	804.1	804.7	805.4	806.1	806.7	806.7	806.1	805.4
155°	832.7	832.2	831.7	831.2	831.7	832.2	832.7	833.3	833.1	832.2	831.3
157.5°	857.1	856.3	855.4	854.5	855.4	856.3	857.1	857.9	857.8	856.6	855.4
160°	871.2	870.5	869.8	869.1	869.8	870.5	871.2	871.9	871.7	870.7	869.6
162.5°	884.2	883.4	882.5	881.7	882.5	883.4	884.2	885.0	884.9	883.7	882.5
165°	900.9	900.0	899.2	898.3	899.2	900.0	900.9	901.8	901.6	900.4	899.2
167.5°	914.6	913.7	912.8	911.9	912.8	913.7	914.6	915.5	915.3	914.1	912.9
170°	922.0	920.9	919.9	918.8	919.9	920.9	922.0	923.0	922.9	921.7	920.5
172.5°	927.7	926.6	925.5	924.5	925.5	926.6	927.7	928.7	928.6	927.4	926.1
175°	933.8	932.7	931.7	930.7	931.7	932.7	933.8	934.8	934.7	933.5	932.3
177.5°	936.0	935.1	934.3	933.5	934.3	935.1	936.0	936.9	936.9	936.0	935.1
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2141.7	2150.4	2163.4	2170.8	2183.2	2191.3	2195.6	2203.6	2208.0	2223.5	2239.6
5°	2022.2	2034.5	2056.2	2076.3	2098.0	2120.4	2136.7	2155.3	2172.2	2201.6	2232.6
7.5°	1885.0	1902.2	1935.7	1967.8	2005.6	2037.3	2065.3	2097.0	2125.4	2167.5	2211.4
10°	1782.2	1812.4	1856.5	1886.7	1936.2	1967.9	2012.1	2046.9	2086.4	2142.0	2191.6
12.5°	1693.6	1730.1	1765.5	1807.5	1852.0	1904.8	1953.3	1998.0	2044.9	2102.4	2160.6
15°	1533.1	1585.7	1640.6	1683.1	1743.5	1799.3	1855.7	1916.1	1973.4	2042.3	2118.1
17.5°	1326.3	1387.3	1479.7	1552.6	1623.5	1679.3	1749.3	1822.3	1889.8	1972.9	2057.3
20°	1232.7	1277.7	1340.3	1438.7	1545.4	1605.0	1676.2	1756.7	1834.0	1924.6	2015.2
22.5°	1157.8	1197.8	1248.1	1324.7	1443.9	1525.1	1599.4	1681.1	1770.9	1863.3	1963.8
25°	1050.9	1078.7	1131.4	1193.3	1275.4	1409.2	1490.5	1572.5	1670.0	1769.1	1883.6
27.5°	970.6	995.6	1029.9	1088.9	1149.9	1246.1	1375.3	1464.8	1562.0	1673.4	1792.3
30°	909.3	938.7	976.6	1018.4	1085.0	1160.0	1289.3	1393.0	1488.9	1603.5	1730.4
32.5°	864.7	888.0	920.3	962.7	1018.1	1090.0	1193.3	1319.3	1412.8	1533.5	1666.0
35°	791.6	818.8	845.1	885.3	930.2	995.9	1074.1	1208.8	1301.6	1420.8	1553.9
37.5°	731.4	748.0	777.1	809.0	856.4	905.4	973.2	1094.0	1194.4	1311.4	1447.6
40°	685.6	706.5	728.2	763.8	802.5	849.7	916.3	1006.0	1121.4	1235.9	1369.0
42.5°	641.1	667.5	690.4	714.3	756.7	803.9	858.1	934.2	1052.0	1160.3	1289.7
45°	587.3	604.4	628.3	654.7	689.5	729.7	777.7	844.2	957.3	1050.9	1172.5
47.5°	524.8	549.8	565.4	591.1	624.2	662.6	707.2	764.8	856.2	943.9	1056.6
50°	482.1	507.7	530.1	553.3	582.7	619.9	657.0	712.8	786.3	878.4	983.6
52.5°	445.6	468.1	489.9	513.1	541.9	575.9	611.2	660.1	723.1	807.8	909.9
55°	395.5	409.4	431.8	455.0	480.6	513.1	547.1	588.1	642.3	713.5	796.3
57.5°	344.1	360.1	378.0	401.3	427.2	452.1	482.7	519.9	562.6	627.0	697.9
60°	315.0	327.3	342.0	366.1	390.0	412.4	441.9	472.8	513.1	568.8	629.1
62.5°	282.8	294.6	308.0	328.9	352.2	372.8	398.5	431.3	465.4	516.1	569.1
65°	229.0	246.1	259.2	277.8	297.2	318.8	338.9	365.3	395.5	435.7	482.9
67.5°	190.0	198.5	210.8	227.6	247.5	266.1	285.1	305.7	331.8	362.9	400.4
70°	172.6	175.7	178.0	194.2	212.8	231.4	249.2	268.5	290.9	316.5	349.0
72.5°	152.2	155.2	158.1	165.1	180.0	198.5	217.0	231.4	252.6	273.8	300.1
75°	120.7	125.3	127.6	131.6	136.9	149.4	166.4	180.3	192.7	208.9	229.8
77.5°	91.9	94.5	97.0	101.1	104.5	110.2	119.8	132.3	143.9	153.4	167.7
80°	72.7	73.5	76.6	78.2	82.8	86.6	91.3	101.4	113.0	116.8	126.9
82.5°	54.8	55.5	58.1	59.6	61.8	65.0	70.9	73.5	82.6	87.8	94.1
85°	30.2	29.4	31.7	31.7	33.3	34.8	36.4	40.2	42.5	48.8	50.3
87.5°	14.7	14.8	14.6	13.9	13.1	13.5	13.6	13.8	14.6	16.1	18.1
90°	27.3	27.7	23.7	19.9	16.1	12.2	9.2	7.1	5.0	2.9	0.8
92.5°	25.1	25.1	24.2	23.2	22.3	21.4	20.2	18.7	17.2	15.6	14.0
95°	50.5	50.5	50.2	49.8	49.5	49.1	48.1	46.4	44.5	42.8	41.0
97.5°	84.9	84.9	84.2	83.6	82.9	82.3	81.2	79.6	78.1	76.5	75.0
100°	109.0	109.0	108.4	107.9	107.3	106.8	105.8	104.4	103.0	101.7	100.3
102.5°	134.9	134.8	134.1	133.5	132.8	132.2	131.3	130.2	129.1	127.8	126.7
105°	174.0	173.7	173.3	173.0	172.6	172.3	171.8	171.3	170.8	170.3	169.8
107.5°	216.6	216.4	216.4	216.4	216.4	216.4	216.0	215.3	214.5	213.8	213.0
110°	245.5	245.5	245.5	245.5	245.5	245.5	245.0	243.9	242.9	241.8	240.8



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	274.8	275.2	275.3	275.5	275.6	275.7	275.3	274.2	273.2	272.2	271.0
115°	318.7	318.9	319.2	319.6	319.9	320.3	319.9	318.9	317.8	316.8	315.8
117.5°	361.7	362.1	363.1	364.2	365.1	366.1	365.9	364.5	363.0	361.6	360.2
120°	389.9	389.9	391.3	392.7	394.2	395.6	395.6	394.2	392.7	391.3	389.9
122.5°	419.8	420.2	421.2	422.2	423.2	424.1	423.8	422.1	420.5	418.8	417.1
125°	463.6	464.1	464.6	465.1	465.7	466.3	465.7	464.1	462.5	461.0	459.4
127.5°	506.1	506.8	507.4	508.1	508.7	509.3	508.6	506.6	504.6	502.6	500.6
130°	534.8	535.2	535.5	535.8	536.2	536.5	535.6	533.3	531.1	528.8	526.5
132.5°	563.5	564.2	564.1	564.1	564.0	563.9	563.0	561.1	559.3	557.4	555.5
135°	604.5	604.6	604.3	603.9	603.6	603.2	602.1	600.2	598.2	596.3	594.4
137.5°	644.3	644.4	644.0	643.5	643.1	642.6	641.6	640.1	638.4	636.8	635.3
140°	671.0	671.0	670.0	669.2	668.3	667.4	666.2	664.6	663.1	661.5	659.9
142.5°	695.1	695.0	694.4	693.8	693.2	692.6	691.5	689.9	688.3	686.7	685.2
145°	732.0	731.7	730.6	729.6	728.6	727.5	726.4	725.2	724.0	722.7	721.4
147.5°	764.0	763.7	763.0	762.2	761.5	760.8	759.7	758.2	756.8	755.3	753.9
150°	784.4	783.9	783.2	782.4	781.7	781.0	780.1	779.1	778.0	777.0	776.0
152.5°	804.7	804.1	803.1	802.3	801.5	800.6	799.7	798.7	797.6	796.6	795.5
155°	830.5	829.6	829.1	828.6	828.0	827.5	827.0	826.5	826.0	825.4	824.9
157.5°	854.1	852.9	852.6	852.3	852.0	851.7	851.4	851.0	850.7	850.3	850.0
160°	868.6	867.5	867.4	867.2	867.0	866.8	866.6	866.2	865.9	865.5	865.2
162.5°	881.3	880.1	880.0	879.8	879.6	879.4	879.3	879.2	879.2	879.1	879.0
165°	898.0	896.7	896.7	896.7	896.7	896.7	896.8	897.0	897.2	897.4	897.5
167.5°	911.7	910.4	910.5	910.5	910.6	910.6	910.9	911.4	911.9	912.4	912.9
170°	919.3	918.0	918.2	918.4	918.6	918.7	919.1	919.6	920.1	920.7	921.2
172.5°	924.9	923.7	923.9	924.0	924.2	924.4	924.7	925.2	925.8	926.3	926.9
175°	931.1	929.9	930.2	930.6	930.9	931.3	931.7	932.2	932.7	933.3	933.8
177.5°	934.3	933.5	933.7	934.0	934.3	934.6	934.9	935.3	935.8	936.2	936.6
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2240.2	2242.0	2254.4	2260.0	2271.2	2275.4	2280.5	2279.2	2279.2	2281.7	2299.0
5°	2245.0	2260.5	2283.7	2306.1	2327.8	2346.3	2358.7	2371.2	2375.8	2398.2	2418.3
7.5°	2237.0	2265.4	2303.8	2338.0	2379.0	2411.1	2437.7	2461.6	2478.1	2510.7	2544.2
10°	2226.4	2266.6	2310.0	2354.1	2410.5	2453.2	2496.5	2529.8	2540.6	2589.4	2617.3
12.5°	2205.3	2259.3	2314.3	2371.5	2426.7	2485.4	2533.0	2566.3	2604.3	2648.2	2699.6
15°	2173.8	2235.7	2307.6	2381.2	2460.1	2531.3	2582.4	2640.4	2682.2	2730.2	2775.1
17.5°	2128.5	2208.2	2299.7	2384.8	2476.1	2552.5	2622.8	2678.5	2708.0	2735.3	2742.0
20°	2092.5	2178.5	2286.0	2386.6	2477.9	2566.2	2635.7	2682.2	2690.0	2690.7	2649.7
22.5°	2053.6	2150.6	2263.1	2366.2	2475.5	2573.5	2627.8	2647.6	2616.9	2564.5	2485.1
25°	1981.9	2094.1	2224.8	2342.5	2461.6	2554.6	2573.1	2538.3	2430.7	2317.7	2174.5
27.5°	1904.2	2030.3	2170.5	2301.3	2428.2	2485.8	2445.7	2320.2	2126.5	1958.0	1753.9
30°	1847.2	1988.8	2126.6	2272.8	2390.5	2415.2	2323.2	2138.2	1912.2	1658.4	1454.9
32.5°	1782.2	1930.7	2082.0	2233.2	2331.7	2307.5	2155.4	1927.7	1662.7	1413.2	1220.8
35°	1689.3	1842.6	2005.9	2157.6	2220.2	2115.8	1888.2	1591.9	1321.0	1088.0	955.7
37.5°	1582.1	1749.0	1918.7	2058.0	2053.6	1879.5	1569.5	1263.5	1035.9	898.2	803.9
40°	1505.9	1674.7	1858.1	1975.7	1925.4	1698.6	1362.8	1074.1	907.8	797.9	729.0
42.5°	1432.9	1602.3	1784.4	1877.8	1790.4	1511.7	1177.1	950.9	813.6	727.9	672.1
45°	1308.6	1487.3	1656.1	1707.9	1551.6	1244.4	951.9	787.8	696.5	633.0	594.3
47.5°	1187.1	1362.9	1516.9	1517.8	1306.5	1009.2	802.9	681.8	603.8	554.7	526.5
50°	1112.8	1280.0	1409.2	1389.1	1149.2	897.7	718.1	613.7	548.7	510.8	481.3
52.5°	1029.3	1191.4	1303.3	1246.1	1016.1	789.9	642.0	554.2	500.4	467.4	441.1
55°	907.8	1051.7	1130.6	1043.9	828.8	657.0	542.5	473.6	433.3	405.5	383.0
57.5°	788.4	907.2	956.8	855.9	682.7	544.8	458.9	407.2	367.3	347.3	335.7
60°	713.5	814.9	849.7	738.3	593.6	476.7	406.3	358.3	328.9	315.8	304.2
62.5°	639.9	722.7	737.0	634.9	517.5	417.3	356.8	316.2	296.7	284.2	273.2
65°	530.9	590.5	583.5	501.5	409.4	331.2	287.1	262.4	247.6	229.8	210.5
67.5°	437.1	473.4	451.5	390.0	312.5	257.4	228.6	209.8	191.6	174.7	170.3
70°	377.7	398.5	375.4	318.8	256.1	215.9	192.7	170.3	159.5	155.5	148.6
72.5°	320.7	328.0	302.9	254.5	208.4	178.7	156.1	143.6	137.7	134.5	130.0
75°	240.7	235.3	213.6	175.7	144.7	124.6	117.6	113.0	109.1	106.0	103.7
77.5°	169.1	161.1	141.8	117.0	100.8	91.2	86.9	84.5	82.6	81.1	78.8
80°	126.9	121.5	102.2	83.6	76.6	72.0	69.7	66.6	66.6	65.0	62.7
82.5°	92.9	86.8	70.0	61.3	57.5	54.6	52.9	51.1	50.5	50.8	49.1
85°	48.8	39.5	34.8	33.3	31.0	29.4	30.2	28.7	28.7	28.7	27.9
87.5°	15.5	12.7	12.5	12.3	13.5	14.3	14.5	15.2	16.7	16.0	16.6
90°	2.9	5.0	7.1	9.2	12.2	16.1	19.9	23.7	27.7	27.3	27.0
92.5°	15.6	17.2	18.7	20.2	21.4	22.3	23.2	24.2	25.1	25.1	25.2
95°	42.8	44.5	46.4	48.1	49.1	49.5	49.8	50.2	50.5	50.5	50.5
97.5°	76.5	78.1	79.6	81.2	82.3	82.9	83.6	84.2	84.9	84.9	84.9
100°	101.7	103.0	104.4	105.8	106.8	107.3	107.9	108.4	109.0	109.0	109.0
102.5°	127.8	129.1	130.2	131.3	132.2	132.8	133.5	134.1	134.8	134.9	135.1
105°	170.3	170.8	171.3	171.8	172.3	172.6	173.0	173.3	173.7	174.0	174.4
107.5°	213.8	214.5	215.3	216.0	216.4	216.4	216.4	216.4	216.4	216.6	216.7
110°	241.8	242.9	243.9	245.0	245.5	245.5	245.5	245.5	245.5	245.5	245.5



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.2	273.2	274.2	275.3	275.7	275.6	275.5	275.3	275.2	274.8	274.3
115°	316.8	317.8	318.9	319.9	320.3	319.9	319.6	319.2	318.9	318.7	318.5
117.5°	361.6	363.0	364.5	365.9	366.1	365.1	364.2	363.1	362.1	361.7	361.3
120°	391.3	392.7	394.2	395.6	395.6	394.2	392.7	391.3	389.9	389.9	389.9
122.5°	418.8	420.5	422.1	423.8	424.1	423.2	422.2	421.2	420.2	419.8	419.4
125°	461.0	462.5	464.1	465.7	466.3	465.7	465.1	464.6	464.1	463.6	463.1
127.5°	502.6	504.6	506.6	508.6	509.3	508.7	508.1	507.4	506.8	506.1	505.5
130°	528.8	531.1	533.3	535.6	536.5	536.2	535.8	535.5	535.2	534.8	534.5
132.5°	557.4	559.3	561.1	563.0	563.9	564.0	564.1	564.1	564.2	563.5	562.7
135°	596.3	598.2	600.2	602.1	603.2	603.6	603.9	604.3	604.6	604.5	604.3
137.5°	636.8	638.4	640.1	641.6	642.6	643.1	643.5	644.0	644.4	644.3	644.2
140°	661.5	663.1	664.6	666.2	667.4	668.3	669.2	670.0	671.0	671.0	671.0
142.5°	686.7	688.3	689.9	691.5	692.6	693.2	693.8	694.4	695.0	695.1	695.2
145°	722.7	724.0	725.2	726.4	727.5	728.6	729.6	730.6	731.7	732.0	732.1
147.5°	755.3	756.8	758.2	759.7	760.8	761.5	762.2	763.0	763.7	764.0	764.4
150°	777.0	778.0	779.1	780.1	781.0	781.7	782.4	783.2	783.9	784.4	784.9
152.5°	796.6	797.6	798.7	799.7	800.6	801.5	802.3	803.1	804.1	804.7	805.4
155°	825.4	826.0	826.5	827.0	827.5	828.0	828.6	829.1	829.6	830.5	831.3
157.5°	850.3	850.7	851.0	851.4	851.7	852.0	852.3	852.6	852.9	854.1	855.4
160°	865.5	865.9	866.2	866.6	866.8	867.0	867.2	867.4	867.5	868.6	869.6
162.5°	879.1	879.2	879.2	879.3	879.4	879.6	879.8	880.0	880.1	881.3	882.5
165°	897.4	897.2	897.0	896.8	896.7	896.7	896.7	896.7	896.7	898.0	899.2
167.5°	912.4	911.9	911.4	910.9	910.6	910.6	910.5	910.5	910.4	911.7	912.9
170°	920.7	920.1	919.6	919.1	918.7	918.6	918.4	918.2	918.0	919.3	920.5
172.5°	926.3	925.8	925.2	924.7	924.4	924.2	924.0	923.9	923.7	924.9	926.1
175°	933.3	932.7	932.2	931.7	931.3	930.9	930.6	930.2	929.9	931.1	932.3
177.5°	936.2	935.8	935.3	934.9	934.6	934.3	934.0	933.7	933.5	934.3	935.1
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2	2227.2
2.5°	2305.2	2313.2	2316.9	2316.9	2321.3	2319.5	2317.5
5°	2437.7	2452.4	2455.5	2469.4	2479.4	2476.4	2477.9
7.5°	2569.4	2593.0	2616.5	2627.2	2628.8	2635.0	2637.4
10°	2650.5	2669.9	2706.2	2700.8	2727.8	2743.4	2717.8
12.5°	2728.5	2754.6	2779.9	2786.8	2802.2	2807.1	2797.0
15°	2799.0	2813.0	2814.6	2810.7	2815.3	2811.5	2796.7
17.5°	2733.1	2710.6	2664.7	2643.0	2625.9	2600.5	2590.3
20°	2624.1	2557.6	2480.2	2449.3	2412.9	2341.7	2358.7
22.5°	2388.9	2313.1	2235.7	2145.4	2102.1	2034.7	2030.6
25°	2022.9	1892.1	1748.2	1647.6	1588.7	1521.5	1492.0
27.5°	1572.8	1408.2	1290.2	1230.4	1176.1	1122.8	1120.5
30°	1276.9	1153.1	1061.8	1010.7	977.3	954.9	959.6
32.5°	1076.3	991.5	929.9	887.5	862.8	846.0	845.7
35°	879.9	821.8	782.3	764.6	746.8	734.4	735.2
37.5°	753.0	718.1	696.2	676.5	665.4	659.3	655.9
40°	687.9	659.3	642.3	630.7	621.4	612.9	611.4
42.5°	636.6	612.9	595.9	586.7	578.0	572.1	570.5
45°	564.9	545.5	530.1	520.1	516.1	510.8	510.8
47.5°	502.5	483.5	471.4	465.1	458.5	454.8	454.7
50°	460.5	445.8	434.9	431.0	425.7	423.3	422.5
52.5°	422.7	411.7	403.9	401.3	399.0	396.1	396.6
55°	371.4	365.3	362.1	359.8	356.0	351.3	354.5
57.5°	328.3	323.1	314.7	307.4	303.9	300.5	301.8
60°	297.9	287.1	276.3	267.7	265.4	258.4	258.4
62.5°	259.5	244.4	231.1	226.3	224.0	220.8	220.0
65°	199.7	193.5	190.4	187.2	185.7	185.7	184.2
67.5°	165.4	163.0	159.6	158.8	157.2	156.8	156.3
70°	146.2	143.2	141.6	140.9	139.3	140.1	137.7
72.5°	127.6	125.2	124.9	122.9	122.0	122.1	120.4
75°	100.6	100.6	99.9	99.1	97.6	96.7	97.6
77.5°	77.4	77.6	76.1	76.0	75.8	76.0	75.2
80°	61.9	62.7	61.9	61.1	60.4	61.1	60.4
82.5°	48.9	47.9	47.7	47.6	47.4	46.9	46.8
85°	27.9	28.7	27.9	27.1	27.1	27.1	27.9
87.5°	15.9	15.8	15.8	15.8	15.9	15.9	15.2
90°	26.6	26.3	26.2	26.4	26.5	26.7	26.9
92.5°	25.3	25.3	25.4	25.4	25.5	25.5	25.5
95°	50.5	50.5	50.4	50.0	49.7	49.3	49.0
97.5°	84.9	84.9	84.9	84.9	84.8	84.8	84.7
100°	109.0	109.0	108.9	108.7	108.5	108.4	108.2
102.5°	135.2	135.4	135.3	135.2	135.0	134.8	134.6
105°	174.7	175.1	175.2	175.2	175.2	175.2	175.2
107.5°	216.8	217.0	216.7	215.9	215.1	214.3	213.5
110°	245.5	245.5	245.2	244.7	244.2	243.7	243.1



TEST NUMBER: P331748-840

CATALOG NUMBER: SA2XXRDIP-C1005D725U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	273.9	273.5	273.1	272.7	272.3	272.0	271.6
115°	318.4	318.2	317.8	317.3	316.8	316.3	315.8
117.5°	360.9	360.4	360.0	359.5	358.9	358.4	357.9
120°	389.9	389.9	389.7	389.1	388.6	388.1	387.6
122.5°	419.0	418.6	418.2	417.8	417.4	417.0	416.7
125°	462.5	462.0	461.7	461.5	461.3	461.2	461.0
127.5°	504.8	504.2	503.6	503.1	502.5	502.0	501.4
130°	534.1	533.8	533.2	532.5	531.9	531.2	530.5
132.5°	561.9	561.2	560.5	559.9	559.4	558.8	558.3
135°	604.1	603.9	603.6	603.1	602.6	602.0	601.5
137.5°	644.0	643.9	643.5	642.8	642.1	641.4	640.7
140°	671.0	671.0	670.6	669.9	669.2	668.5	667.8
142.5°	695.4	695.5	695.2	694.5	693.8	693.2	692.5
145°	732.3	732.5	732.2	731.4	730.7	730.0	729.3
147.5°	764.8	765.2	765.1	764.4	763.7	763.1	762.3
150°	785.4	786.0	786.0	785.4	784.9	784.4	783.9
152.5°	806.1	806.7	806.7	806.1	805.4	804.7	804.1
155°	832.2	833.1	833.3	832.7	832.2	831.7	831.2
157.5°	856.6	857.8	857.9	857.1	856.3	855.4	854.5
160°	870.7	871.7	871.9	871.2	870.5	869.8	869.1
162.5°	883.7	884.9	885.0	884.2	883.4	882.5	881.7
165°	900.4	901.6	901.8	900.9	900.0	899.2	898.3
167.5°	914.1	915.3	915.5	914.6	913.7	912.8	911.9
170°	921.7	922.9	923.0	922.0	920.9	919.9	918.8
172.5°	927.4	928.6	928.7	927.7	926.6	925.5	924.5
175°	933.5	934.7	934.8	933.8	932.7	931.7	930.7
177.5°	936.0	936.9	936.9	936.0	935.1	934.3	933.5
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3

(END OF REPORT)