

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P999793

Luminaire Tested: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999793
REPORT IS A COMBINATION OF REPORTS P988348 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K
Description: Define 2 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

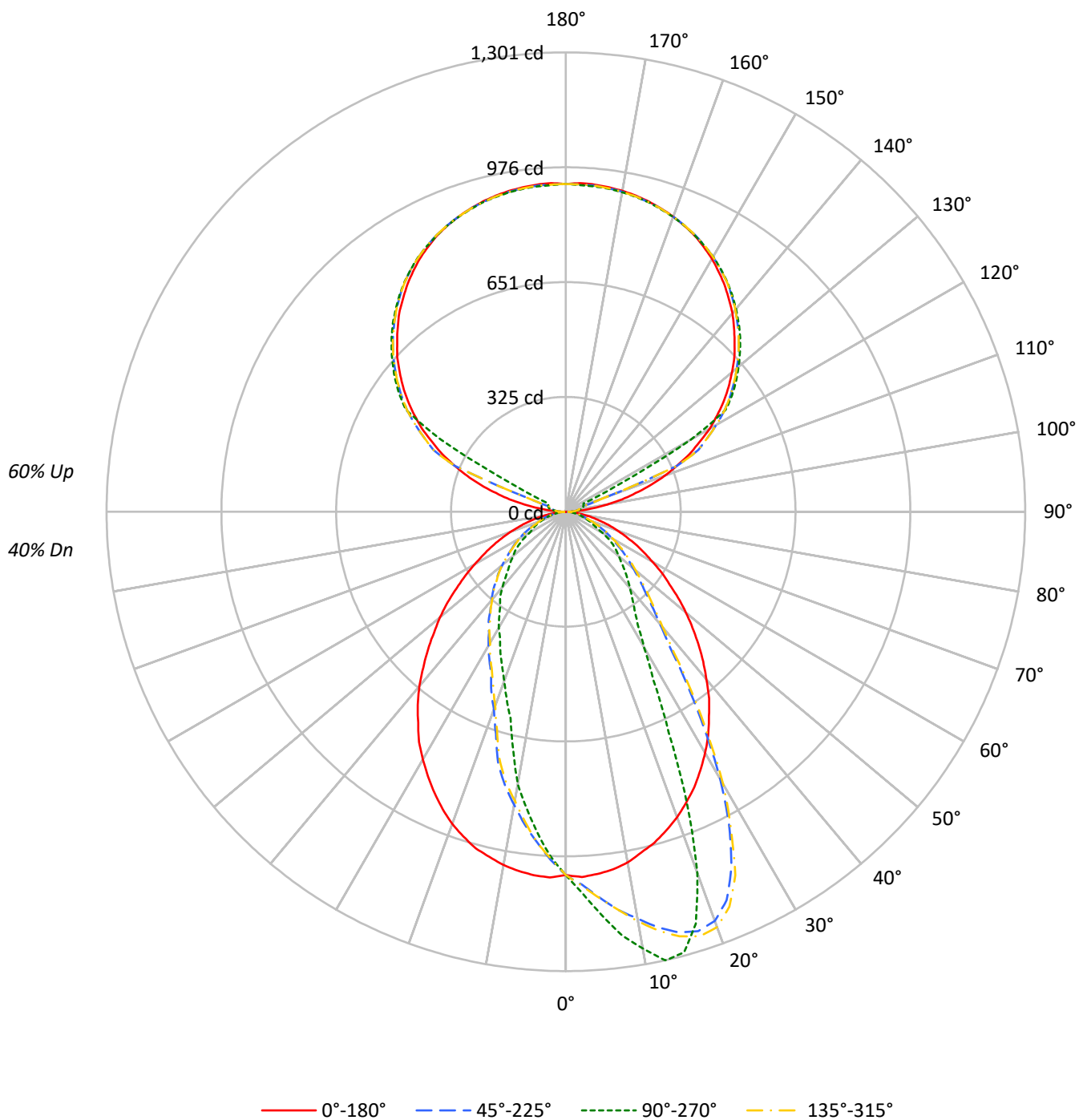
Lumens per Lamp: N/A
Luminaire Lumens: 4501.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 45.1
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47
1	96	92	88	85	87	84	81	78	69	67	65	55	53	52	42	41	40
2	88	81	75	71	80	74	69	65	61	58	55	49	47	45	38	36	35
3	81	72	65	60	73	66	60	55	54	50	47	44	41	39	34	32	31
4	74	64	57	51	67	59	52	47	49	44	40	40	36	34	31	29	27
5	68	57	50	44	62	53	46	41	44	39	35	36	32	30	28	26	24
6	63	52	44	39	57	48	41	36	40	35	31	33	29	26	26	23	21
7	58	47	39	34	53	43	37	32	36	31	28	30	26	24	24	21	19
8	54	43	35	30	50	39	33	28	33	28	25	28	24	21	22	20	18
9	51	39	32	27	46	36	30	26	31	26	22	25	22	19	21	18	16
10	47	36	29	25	43	33	27	23	28	24	20	24	20	18	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16287	16287	16287	16287
5°	16324	17299	16381	13820
10°	16144	18284	16259	11412
15°	15794	18290	16062	8573
20°	15373	15118	15707	7073
25°	14861	9446	15182	6017
30°	14209	6048	14596	5181
35°	13416	4648	13851	4433
40°	12532	3907	13066	3878
45°	11586	3325	12071	3255
50°	10618	2826	11113	2816
55°	9545	2455	10059	2424
60°	8591	1872	9046	1850
65°	7700	1409	8159	1598
70°	6721	1125	7245	1302
75°	5678	861	6198	986
80°	4511	587	4854	645
85°	3136	303	3433	320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 14898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	2.2
10°-20°	272.4	6.1
20°-30°	350.6	7.8
30°-40°	332.6	7.4
40°-50°	285.0	6.3
50°-60°	217.1	4.8
60°-70°	136.9	3.0
70°-80°	68.3	1.5
80°-90°	19.2	0.4
90°-100°	30.6	0.7
100°-110°	114.1	2.5
110°-120°	302.6	6.7
120°-130°	501.9	11.2
130°-140°	533.2	11.8
140°-150°	495.5	11.0
150°-160°	398.4	8.9
160°-170°	256.7	5.7
170°-180°	88.4	2.0
0°-30°	720.6	16.0
0°-40°	1053.1	23.4
0°-60°	1555.3	34.6
0°-90°	1779.6	39.5
90°-120°	447.4	9.9
90°-150°	1977.9	43.9
90°-180°	2721.0	60.5
0°-180°	4501.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1029	1029	1029	1029	1029	
5°	1030	1145	1033	914	1030	98
15°	970	1292	987	606	970	273
25°	861	689	879	439	861	395
35°	706	340	729	324	706	442
45°	530	236	553	231	530	409
55°	358	164	378	162	358	323
65°	217	85	230	96	217	215
75°	102	45	111	52	102	110
85°	22	13	24	14	22	25
90°	1	18	1	18	1	4
95°	44	29	44	29	44	52
105°	204	51	204	51	204	218
115°	386	55	386	55	386	380
125°	546	574	546	574	546	487
135°	676	698	676	698	676	522
145°	784	796	784	796	784	490
155°	863	864	863	864	863	398
165°	910	907	910	907	910	257
175°	930	925	930	925	930	89
180°	928	928	928	928	928	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1035.3	1039.6	1041.7	1044.6	1051.0	1055.3	1061.8	1063.2	1062.5	1065.3	1057.5
5°	1029.6	1038.9	1047.5	1054.6	1066.0	1073.2	1081.1	1090.3	1092.5	1103.2	1096.8
7.5°	1021.7	1035.3	1047.5	1061.8	1078.9	1088.2	1100.4	1114.7	1121.1	1134.0	1137.5
10°	1008.8	1028.1	1048.9	1063.9	1087.5	1103.9	1115.4	1138.3	1153.3	1172.6	1169.7
12.5°	988.1	1013.1	1041.0	1066.0	1096.8	1107.5	1129.0	1152.6	1171.9	1189.7	1205.5
15°	970.2	998.8	1029.6	1060.3	1095.4	1115.4	1136.8	1167.6	1188.3	1219.8	1233.3
17.5°	945.9	982.4	1018.9	1053.2	1094.6	1117.5	1144.0	1174.0	1204.7	1234.8	1245.5
20°	920.9	960.2	999.5	1046.0	1093.2	1115.4	1142.5	1179.7	1209.8	1233.3	1233.3
22.5°	890.9	938.8	983.8	1028.1	1079.6	1111.8	1139.7	1183.3	1204.7	1209.8	1190.4
25°	860.8	908.7	958.1	1013.1	1071.8	1100.4	1131.8	1172.6	1179.7	1159.7	1109.7
27.5°	825.1	878.7	934.5	993.8	1055.3	1091.1	1119.7	1146.8	1133.2	1079.6	1001.7
30°	788.6	846.5	909.5	965.9	1040.3	1073.2	1097.5	1105.4	1062.5	975.2	874.4
32.5°	750.7	807.2	873.7	941.6	1016.7	1048.2	1063.9	1043.2	964.5	854.4	731.4
35°	706.4	770.0	839.4	910.2	984.5	1008.1	1017.4	966.7	865.8	723.6	601.3
37.5°	666.4	730.0	804.4	876.6	948.8	961.7	952.4	873.0	745.0	604.2	484.8
40°	619.2	687.1	760.0	840.8	900.2	903.7	880.9	777.9	619.2	486.9	413.3
42.5°	575.6	644.2	717.1	799.4	844.4	832.2	801.5	666.4	516.9	419.7	360.4
45°	530.5	595.6	674.2	747.2	779.3	750.7	704.3	560.5	434.0	361.1	315.3
47.5°	486.9	547.7	625.6	695.7	701.4	669.2	614.2	469.7	376.1	317.5	280.3
50°	444.0	504.8	577.7	635.6	629.9	585.6	523.4	408.3	326.7	280.3	249.5
52.5°	401.1	456.2	526.9	572.7	548.4	505.5	444.0	346.1	285.3	244.5	220.9
55°	358.2	409.7	470.5	508.4	469.7	420.4	376.8	296.7	247.4	214.5	196.6
57.5°	322.5	363.2	419.0	441.9	395.4	356.8	318.9	255.2	214.5	190.9	170.2
60°	283.1	320.3	366.1	379.7	331.8	300.3	268.1	215.9	183.8	163.0	149.4
62.5°	249.5	280.3	315.3	315.3	273.1	249.5	225.2	180.9	154.4	138.0	131.6
65°	216.6	238.8	263.8	261.0	225.2	204.5	185.2	149.4	129.4	118.0	111.5
67.5°	184.5	201.6	218.1	208.1	182.3	164.4	146.6	120.8	107.2	99.4	90.8
70°	155.2	168.7	177.3	168.0	142.3	127.3	114.4	97.2	86.5	76.5	71.5
72.5°	130.1	135.8	138.7	127.3	105.8	97.2	87.9	75.8	66.5	61.5	60.1
75°	101.5	106.5	104.4	95.8	77.9	71.5	64.3	55.8	53.6	50.8	49.3
77.5°	79.4	79.4	75.8	67.9	55.8	50.8	47.9	43.6	41.5	40.8	39.3
80°	56.5	55.8	53.6	45.0	37.9	35.0	35.0	32.2	31.5	30.0	30.0
82.5°	37.2	37.2	34.3	27.2	25.0	24.3	23.6	22.2	22.2	21.4	21.4
85°	22.2	20.7	17.2	15.0	14.3	14.3	13.6	12.9	13.6	12.9	12.9
87.5°	10.0	7.9	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
90°	0.7	2.3	4.0	5.6	7.3	8.1	8.7	9.9	11.0	12.2	13.4
92.5°	16.8	16.2	15.6	15.0	14.4	14.1	14.3	14.8	15.2	15.7	16.1
95°	43.7	38.8	33.8	28.9	24.0	21.5	22.0	23.1	24.1	25.2	26.2
97.5°	78.6	66.4	54.1	41.9	29.6	23.5	24.7	27.1	29.5	31.9	34.3
100°	118.9	98.5	78.0	57.6	37.1	26.9	28.2	30.7	33.2	35.8	38.3
102.5°	163.2	162.9	162.6	162.3	162.0	161.9	148.3	121.1	94.0	66.8	39.6
105°	204.2	208.7	213.1	217.6	222.1	224.3	203.9	163.2	122.5	81.7	41.0
107.5°	251.9	255.6	259.4	263.1	266.8	268.7	243.5	193.2	142.9	92.6	42.3
110°	297.6	300.7	303.9	307.0	310.1	311.7	290.1	247.0	203.8	160.7	117.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	340.5	343.2	345.9	348.6	351.3	352.6	351.3	348.8	346.3	343.7	341.2
115°	386.2	388.7	391.3	393.8	396.3	397.6	399.5	403.2	406.9	410.7	414.4
117.5°	425.8	428.8	431.8	434.8	437.8	439.3	440.6	443.1	445.6	448.2	450.7
120°	470.2	472.4	474.7	476.9	479.2	480.3	481.6	484.3	487.0	489.6	492.3
122.5°	507.8	510.2	512.6	514.9	517.3	518.5	520.0	523.0	526.0	529.0	532.0
125°	546.1	548.0	550.0	551.9	553.8	554.8	556.2	559.1	561.9	564.8	567.6
127.5°	581.0	583.1	585.2	587.3	589.4	590.4	591.5	593.8	596.0	598.3	600.5
130°	613.9	616.3	618.7	621.1	623.5	624.7	625.5	627.2	628.8	630.5	632.1
132.5°	647.5	649.4	651.4	653.3	655.2	656.2	657.0	658.7	660.3	662.0	663.6
135°	675.7	678.1	680.5	682.9	685.3	686.5	687.2	688.5	689.8	691.2	692.5
137.5°	705.3	707.1	708.9	710.6	712.4	713.3	714.0	715.5	717.0	718.5	720.0
140°	734.2	735.4	736.6	737.7	738.9	739.5	740.3	742.0	743.6	745.3	746.9
142.5°	758.3	759.3	760.4	761.4	762.5	763.0	764.0	765.9	767.9	769.8	771.8
145°	783.9	783.7	783.6	783.4	783.3	783.2	784.5	787.0	789.5	792.1	794.6
147.5°	806.0	805.6	805.1	804.7	804.2	804.0	805.3	807.8	810.3	812.9	815.4
150°	827.5	826.5	825.4	824.4	823.3	822.8	824.0	826.4	828.8	831.2	833.6
152.5°	845.7	844.5	843.3	842.1	840.9	840.3	841.4	843.7	845.9	848.2	850.4
155°	863.1	861.8	860.4	859.1	857.8	857.1	858.0	859.8	861.5	863.3	865.1
157.5°	877.2	876.0	874.8	873.6	872.4	871.8	872.5	873.8	875.2	876.5	877.9
160°	889.3	888.4	887.5	886.6	885.7	885.3	885.7	886.6	887.5	888.4	889.3
162.5°	900.1	899.2	898.3	897.4	896.5	896.0	896.4	897.1	897.9	898.6	899.4
165°	909.5	908.6	907.7	906.8	905.9	905.4	905.6	906.1	906.5	907.0	907.4
167.5°	916.9	916.0	915.1	914.2	913.3	912.8	913.0	913.5	913.9	914.4	914.8
170°	922.9	922.0	921.1	920.2	919.3	918.9	919.0	919.3	919.6	919.9	920.2
172.5°	926.9	926.0	925.1	924.2	923.3	922.9	923.0	923.3	923.6	923.9	924.2
175°	930.3	929.3	928.2	927.2	926.1	925.6	925.7	926.0	926.3	926.6	926.9
177.5°	931.6	930.6	929.5	928.5	927.4	926.9	927.0	927.1	927.3	927.4	927.6
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1065.3	1066.8	1068.9	1078.9	1080.3	1083.2	1081.8	1081.8	1082.5	1081.1	1081.8
5°	1111.1	1113.2	1124.0	1136.1	1139.0	1136.1	1139.7	1144.7	1144.7	1144.7	1143.3
7.5°	1154.0	1161.8	1174.0	1191.9	1195.5	1199.0	1205.5	1201.2	1202.6	1209.0	1206.9
10°	1195.5	1206.9	1220.5	1235.5	1243.4	1248.4	1251.2	1257.7	1272.7	1255.5	1261.9
12.5°	1234.8	1251.2	1265.5	1282.0	1287.7	1294.1	1296.3	1302.0	1302.0	1301.3	1306.3
15°	1260.5	1275.5	1288.4	1299.1	1300.6	1299.1	1297.7	1298.4	1300.6	1292.0	1297.0
17.5°	1266.2	1267.7	1272.0	1267.7	1268.4	1253.4	1244.8	1242.6	1222.6	1223.3	1239.8
20°	1238.4	1214.0	1207.6	1184.0	1169.7	1131.1	1129.7	1118.9	1076.8	1089.6	1086.8
22.5°	1161.8	1120.4	1065.3	1038.2	1024.6	983.8	952.4	930.2	915.2	900.2	893.7
25°	1061.0	993.8	915.9	862.3	854.4	816.5	758.6	731.4	699.3	689.2	706.4
27.5°	930.9	843.7	755.7	673.5	658.5	624.2	594.9	575.6	538.4	536.2	537.7
30°	754.3	666.4	592.7	539.1	501.9	486.2	466.9	452.6	437.6	443.3	444.7
32.5°	619.9	536.2	467.6	439.0	421.8	411.8	395.4	386.1	379.7	377.5	376.8
35°	492.6	436.9	406.1	378.2	368.2	361.1	348.9	344.6	338.9	339.6	339.6
37.5°	421.8	375.4	352.5	338.2	328.9	325.3	317.5	313.2	309.6	308.2	310.3
40°	363.9	331.8	317.5	304.6	296.7	295.3	291.0	286.0	281.7	282.4	284.6
42.5°	321.7	303.2	286.0	276.0	270.3	268.1	264.5	261.0	261.0	258.8	258.1
45°	288.1	273.1	258.8	249.5	246.0	243.1	238.8	238.1	235.2	235.9	236.7
47.5°	258.1	246.0	235.2	225.9	222.4	221.6	217.4	214.5	214.5	213.8	213.1
50°	230.9	218.8	209.5	204.5	199.5	198.1	197.3	196.6	195.2	195.2	195.9
52.5°	208.8	196.6	189.5	185.2	182.3	180.9	180.9	180.2	180.2	180.2	179.5
55°	184.5	174.5	168.7	167.3	165.9	165.2	164.4	163.0	162.3	163.7	162.3
57.5°	161.6	158.0	153.0	151.6	148.0	148.0	145.9	144.4	143.0	144.4	144.4
60°	143.7	138.7	135.8	131.6	128.7	125.8	122.3	121.5	120.1	119.4	118.7
62.5°	125.1	120.8	113.7	107.2	103.0	100.1	98.7	98.0	98.0	97.2	97.2
65°	104.4	94.4	90.8	88.7	87.9	87.2	85.8	85.1	85.8	85.1	85.8
67.5°	81.5	80.1	77.9	76.5	75.8	75.1	75.1	74.4	74.4	74.4	74.4
70°	70.8	67.2	66.5	65.1	65.1	64.3	64.3	64.3	64.3	63.6	65.1
72.5°	58.6	56.5	55.8	55.1	55.1	55.1	54.3	54.3	54.3	53.6	54.3
75°	47.9	47.2	45.8	45.8	45.0	45.8	45.0	45.0	44.3	45.0	45.0
77.5°	38.6	37.9	37.2	37.2	36.5	36.5	36.5	36.5	36.5	36.5	37.2
80°	29.3	28.6	27.9	28.6	27.9	28.6	27.9	27.9	28.6	27.9	27.9
82.5°	21.4	20.7	20.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
85°	12.9	12.2	12.2	12.9	12.2	12.9	12.2	12.2	12.2	12.9	12.9
87.5°	5.7	6.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.4
90°	14.2	14.9	15.7	16.4	16.8	16.9	17.2	17.5	17.8	18.1	17.8
92.5°	16.4	16.7	17.0	17.3	17.5	17.6	17.7	17.8	18.0	18.1	18.0
95°	27.0	27.7	28.5	29.2	29.6	29.5	29.4	29.2	29.1	28.9	29.1
97.5°	34.7	35.2	35.6	36.1	36.3	36.4	36.5	36.6	36.8	36.9	36.8
100°	39.5	40.7	41.9	43.1	43.7	43.8	44.1	44.4	44.7	45.0	44.7
102.5°	41.2	42.9	44.5	46.2	47.0	47.2	47.7	48.1	48.6	49.0	48.6
105°	42.6	44.3	45.9	47.6	48.4	48.7	49.3	49.8	50.4	51.0	50.4
107.5°	43.9	45.6	47.2	48.9	49.7	50.0	50.6	51.2	51.8	52.4	51.8
110°	102.6	87.7	72.8	57.9	50.4	50.7	51.3	51.9	52.5	53.1	52.5

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	276.9	212.5	148.2	83.9	51.7	51.9	52.4	52.8	53.3	53.7	53.3
115°	345.3	276.2	207.1	138.0	103.4	98.0	87.3	76.6	65.8	55.1	65.8
117.5°	429.4	408.0	386.7	365.4	354.7	335.1	296.0	256.9	217.8	178.7	217.8
120°	494.1	495.9	497.7	499.5	500.4	490.3	470.2	450.0	429.9	409.7	429.9
122.5°	532.9	533.8	534.7	535.6	536.0	536.1	536.2	536.4	536.5	536.7	536.5
125°	568.6	569.7	570.7	571.8	572.3	572.5	573.0	573.4	573.9	574.3	573.9
127.5°	602.0	603.5	605.0	606.5	607.2	607.3	607.4	607.6	607.7	607.9	607.7
130°	633.7	635.3	637.0	638.6	639.4	639.3	639.2	639.1	638.9	638.8	638.9
132.5°	665.0	666.3	667.7	669.0	669.7	669.6	669.5	669.3	669.2	669.0	669.2
135°	694.0	695.5	697.0	698.5	699.2	699.1	698.8	698.5	698.2	697.9	698.2
137.5°	721.5	723.0	724.5	726.0	726.8	726.6	726.1	725.7	725.2	724.8	725.2
140°	748.3	749.6	751.0	752.3	753.0	752.6	751.9	751.1	750.4	749.6	750.4
142.5°	773.0	774.2	775.3	776.5	777.1	776.7	776.0	775.3	774.5	773.8	774.5
145°	795.6	796.7	797.7	798.8	799.3	798.9	798.2	797.4	796.7	795.9	796.7
147.5°	816.2	816.9	817.7	818.4	818.8	818.5	817.9	817.3	816.7	816.1	816.7
150°	834.5	835.4	836.3	837.2	837.6	837.2	836.5	835.7	835.0	834.2	835.0
152.5°	851.3	852.2	853.1	854.0	854.4	853.9	852.8	851.8	850.7	849.7	850.7
155°	866.0	866.9	867.8	868.7	869.2	868.6	867.4	866.2	865.0	863.8	865.0
157.5°	878.9	880.0	881.0	882.1	882.6	882.0	880.8	879.6	878.4	877.2	878.4
160°	890.2	891.1	892.0	892.9	893.3	892.8	891.7	890.7	889.6	888.6	889.6
162.5°	900.4	901.5	902.5	903.6	904.1	903.4	902.1	900.7	899.4	898.0	899.4
165°	908.5	909.5	910.6	911.7	912.2	911.7	910.6	909.5	908.5	907.4	908.5
167.5°	915.8	916.9	917.9	919.0	919.5	918.8	917.5	916.2	914.8	913.5	914.8
170°	921.2	922.3	923.3	924.4	924.9	924.2	922.9	921.6	920.2	918.9	920.2
172.5°	925.2	926.3	927.3	928.4	928.9	928.2	926.9	925.6	924.2	922.9	924.2
175°	927.9	929.0	930.0	931.1	931.6	930.9	929.4	927.9	926.4	924.9	926.4
177.5°	928.6	929.7	930.7	931.8	932.3	931.6	930.3	929.0	927.6	926.3	927.6
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1084.6	1079.6	1078.2	1079.6	1078.2	1078.9	1073.9	1055.3	1060.3	1052.5	1056.7
5°	1146.1	1141.8	1132.5	1131.1	1129.7	1128.2	1121.1	1104.6	1098.2	1087.5	1086.8
7.5°	1204.7	1204.7	1197.6	1192.6	1186.2	1181.2	1171.9	1147.5	1137.5	1124.7	1117.5
10°	1262.7	1244.1	1251.9	1246.9	1231.2	1228.3	1211.2	1196.9	1177.6	1164.7	1153.3
12.5°	1304.1	1298.4	1291.3	1287.0	1282.7	1273.4	1261.9	1225.5	1215.5	1189.7	1176.9
15°	1302.7	1299.1	1301.3	1301.3	1299.8	1297.7	1288.4	1261.9	1244.8	1219.8	1197.6
17.5°	1232.6	1241.9	1251.2	1257.7	1272.0	1278.4	1287.0	1271.2	1260.5	1239.1	1215.5
20°	1110.4	1133.2	1160.4	1166.1	1179.0	1216.9	1234.1	1247.6	1251.9	1244.8	1225.5
22.5°	940.2	959.5	1025.3	1023.9	1042.4	1087.5	1137.5	1178.3	1210.5	1228.3	1221.2
25°	736.4	763.6	798.6	825.1	885.9	953.1	1015.3	1080.3	1136.1	1185.4	1197.6
27.5°	557.0	592.7	620.6	655.6	686.4	765.7	845.8	947.4	1012.4	1106.1	1154.7
30°	450.4	466.9	494.8	511.2	526.2	587.0	677.8	777.9	892.3	1000.3	1083.9
32.5°	384.7	396.1	416.8	424.0	439.7	480.5	537.7	629.2	747.2	878.0	988.1
35°	345.3	357.5	361.8	368.2	381.1	406.8	446.1	512.6	619.2	747.2	878.7
37.5°	311.7	318.2	330.3	334.6	338.9	358.2	384.7	431.1	501.9	607.0	752.9
40°	288.1	291.7	298.1	301.7	304.6	318.2	341.8	373.2	425.4	505.5	639.9
42.5°	263.1	267.4	271.7	276.0	279.6	290.3	304.6	334.6	369.6	430.4	527.7
45°	238.8	241.7	246.7	249.5	254.5	263.1	276.0	296.7	328.2	366.8	445.4
47.5°	216.6	220.2	222.4	225.9	229.5	238.8	251.0	264.5	290.3	328.2	385.4
50°	196.6	200.9	203.8	204.5	207.3	215.9	225.9	240.9	257.4	286.7	336.8
52.5°	182.3	183.0	185.2	188.0	187.3	192.3	201.6	213.1	230.2	253.8	290.3
55°	165.9	168.0	169.5	170.2	170.2	174.5	179.5	190.2	203.8	223.1	253.8
57.5°	145.1	147.3	151.6	153.0	155.2	157.3	159.4	166.6	178.0	196.6	221.6
60°	123.7	125.1	129.4	132.3	133.7	139.4	142.3	148.0	154.4	168.0	191.6
62.5°	99.4	100.8	103.0	105.8	108.7	117.3	124.4	130.1	135.1	144.4	163.7
65°	86.5	87.2	88.7	89.4	90.1	93.7	100.1	108.0	117.3	124.4	135.8
67.5°	75.1	75.8	76.5	77.9	78.6	79.4	82.2	84.4	93.7	103.7	112.3
70°	64.3	65.8	66.5	66.5	67.2	68.6	70.1	72.9	75.8	80.8	91.5
72.5°	54.3	55.1	56.5	56.5	56.5	57.9	59.3	60.8	62.2	65.1	69.4
75°	45.0	46.5	46.5	46.5	47.2	47.2	48.6	50.0	51.5	53.6	55.1
77.5°	37.2	37.2	37.2	37.2	37.9	37.9	38.6	40.0	40.8	41.5	42.9
80°	27.9	28.6	28.6	28.6	29.3	29.3	29.3	30.7	31.5	31.5	32.9
82.5°	20.7	20.7	20.7	21.4	20.7	21.4	21.4	22.2	21.4	22.2	22.9
85°	12.9	12.9	12.9	13.6	13.6	13.6	13.6	13.6	13.6	13.6	14.3
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.1	6.4	6.4
90°	17.5	17.2	16.9	16.8	16.4	15.7	14.9	14.2	13.4	12.2	11.0
92.5°	17.8	17.7	17.6	17.5	17.3	17.0	16.7	16.4	16.1	15.7	15.2
95°	29.2	29.4	29.5	29.6	29.2	28.5	27.7	27.0	26.2	25.2	24.1
97.5°	36.6	36.5	36.4	36.3	36.1	35.6	35.2	34.7	34.3	31.9	29.5
100°	44.4	44.1	43.8	43.7	43.1	41.9	40.7	39.5	38.3	35.8	33.2
102.5°	48.1	47.7	47.2	47.0	46.2	44.5	42.9	41.2	39.6	66.8	94.0
105°	49.8	49.3	48.7	48.4	47.6	45.9	44.3	42.6	41.0	81.7	122.5
107.5°	51.2	50.6	50.0	49.7	48.9	47.2	45.6	43.9	42.3	92.6	142.9
110°	51.9	51.3	50.7	50.4	57.9	72.8	87.7	102.6	117.5	160.7	203.8

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	52.8	52.4	51.9	51.7	83.9	148.2	212.5	276.9	341.2	343.7	346.3
115°	76.6	87.3	98.0	103.4	138.0	207.1	276.2	345.3	414.4	410.7	406.9
117.5°	256.9	296.0	335.1	354.7	365.4	386.7	408.0	429.4	450.7	448.2	445.6
120°	450.0	470.2	490.3	500.4	499.5	497.7	495.9	494.1	492.3	489.6	487.0
122.5°	536.4	536.2	536.1	536.0	535.6	534.7	533.8	532.9	532.0	529.0	526.0
125°	573.4	573.0	572.5	572.3	571.8	570.7	569.7	568.6	567.6	564.8	561.9
127.5°	607.6	607.4	607.3	607.2	606.5	605.0	603.5	602.0	600.5	598.3	596.0
130°	639.1	639.2	639.3	639.4	638.6	637.0	635.3	633.7	632.1	630.5	628.8
132.5°	669.3	669.5	669.6	669.7	669.0	667.7	666.3	665.0	663.6	662.0	660.3
135°	698.5	698.8	699.1	699.2	698.5	697.0	695.5	694.0	692.5	691.2	689.8
137.5°	725.7	726.1	726.6	726.8	726.0	724.5	723.0	721.5	720.0	718.5	717.0
140°	751.1	751.9	752.6	753.0	752.3	751.0	749.6	748.3	746.9	745.3	743.6
142.5°	775.3	776.0	776.7	777.1	776.5	775.3	774.2	773.0	771.8	769.8	767.9
145°	797.4	798.2	798.9	799.3	798.8	797.7	796.7	795.6	794.6	792.1	789.5
147.5°	817.3	817.9	818.5	818.8	818.4	817.7	816.9	816.2	815.4	812.9	810.3
150°	835.7	836.5	837.2	837.6	837.2	836.3	835.4	834.5	833.6	831.2	828.8
152.5°	851.8	852.8	853.9	854.4	854.0	853.1	852.2	851.3	850.4	848.2	845.9
155°	866.2	867.4	868.6	869.2	868.7	867.8	866.9	866.0	865.1	863.3	861.5
157.5°	879.6	880.8	882.0	882.6	882.1	881.0	880.0	878.9	877.9	876.5	875.2
160°	890.7	891.7	892.8	893.3	892.9	892.0	891.1	890.2	889.3	888.4	887.5
162.5°	900.7	902.1	903.4	904.1	903.6	902.5	901.5	900.4	899.4	898.6	897.9
165°	909.5	910.6	911.7	912.2	911.7	910.6	909.5	908.5	907.4	907.0	906.5
167.5°	916.2	917.5	918.8	919.5	919.0	917.9	916.9	915.8	914.8	914.4	913.9
170°	921.6	922.9	924.2	924.9	924.4	923.3	922.3	921.2	920.2	919.9	919.6
172.5°	925.6	926.9	928.2	928.9	928.4	927.3	926.3	925.2	924.2	923.9	923.6
175°	927.9	929.4	930.9	931.6	931.1	930.0	929.0	927.9	926.9	926.6	926.3
177.5°	929.0	930.3	931.6	932.3	931.8	930.7	929.7	928.6	927.6	927.4	927.3
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1050.3	1046.7	1046.7	1044.6	1044.6	1033.2	1033.2	1036.7	1032.4	1027.4	1020.3
5°	1077.5	1069.6	1067.5	1064.6	1055.3	1041.0	1035.3	1033.2	1024.6	1013.8	1001.7
7.5°	1103.2	1090.3	1083.9	1077.5	1065.3	1045.3	1033.9	1026.0	1013.1	996.7	981.0
10°	1128.2	1111.8	1095.4	1087.5	1070.3	1045.3	1028.9	1016.0	997.4	975.2	953.1
12.5°	1151.1	1116.8	1113.9	1098.2	1073.2	1044.6	1019.6	1001.0	977.4	951.6	925.9
15°	1171.1	1136.1	1118.9	1104.6	1071.8	1036.0	1009.6	986.7	955.2	925.9	894.4
17.5°	1181.2	1143.3	1131.8	1108.2	1074.6	1028.1	992.4	964.5	930.2	895.2	859.4
20°	1191.2	1146.8	1128.2	1111.8	1066.0	1013.1	973.1	940.9	903.0	861.6	822.2
22.5°	1196.2	1146.8	1124.7	1101.8	1057.5	996.7	949.5	911.6	867.3	825.1	777.9
25°	1187.6	1142.5	1116.1	1092.5	1042.4	976.7	922.3	879.4	832.2	784.3	736.4
27.5°	1166.1	1132.5	1101.8	1077.5	1021.7	950.9	893.7	845.1	796.5	742.9	694.2
30°	1126.1	1111.1	1086.8	1059.6	998.8	928.0	860.1	810.1	756.5	702.8	652.1
32.5°	1063.9	1076.8	1061.0	1037.4	971.7	896.6	824.4	773.6	715.0	657.1	610.6
35°	988.1	1033.9	1025.3	1008.8	943.1	863.0	790.8	729.3	670.7	612.0	565.6
37.5°	905.2	974.5	981.7	971.7	910.2	828.7	749.3	689.2	629.2	569.8	522.7
40°	791.5	898.0	920.9	925.2	875.9	787.2	704.3	645.6	586.3	528.4	471.2
42.5°	687.1	821.5	850.1	868.0	832.2	746.4	662.8	597.7	539.1	486.9	429.7
45°	589.1	729.3	775.8	798.6	782.9	700.0	613.5	552.7	499.1	451.2	396.1
47.5°	488.3	629.2	694.2	730.7	730.7	652.8	566.3	506.2	454.7	414.0	365.4
50°	421.1	538.4	605.6	653.5	666.4	604.9	523.4	464.7	416.1	371.8	334.6
52.5°	358.9	464.0	519.8	569.8	607.0	553.4	475.5	422.6	374.7	333.2	303.9
55°	310.3	389.0	439.7	494.8	536.2	501.2	429.0	377.5	336.0	301.7	276.7
57.5°	263.8	332.5	373.9	422.6	466.9	440.4	382.5	338.2	301.7	271.7	249.5
60°	224.5	280.3	312.4	350.3	405.4	386.8	338.9	298.1	268.8	241.7	223.1
62.5°	190.9	235.2	262.4	289.6	339.6	331.0	293.9	262.4	237.4	214.5	198.8
65°	156.6	193.0	214.5	238.1	278.1	281.7	251.7	229.5	206.6	186.6	172.3
67.5°	126.6	155.2	174.5	194.5	226.6	236.7	215.9	197.3	178.0	161.6	148.7
70°	102.2	122.3	136.6	152.3	178.7	190.9	180.2	167.3	151.6	138.0	126.6
72.5°	80.8	93.7	102.2	114.4	135.8	148.0	147.3	135.8	124.4	115.1	105.8
75°	59.3	69.4	76.5	84.4	101.5	113.0	115.8	110.8	99.4	92.2	85.1
77.5°	45.0	50.8	54.3	60.1	72.2	82.2	86.5	85.1	77.2	71.5	66.5
80°	34.3	35.7	37.2	39.3	49.3	58.6	61.5	60.8	56.5	54.3	48.6
82.5°	24.3	25.0	25.7	26.5	30.0	37.9	40.8	42.2	38.6	36.5	31.5
85°	14.3	15.0	15.0	16.4	17.2	19.3	24.3	24.3	23.6	20.7	20.0
87.5°	7.1	7.1	6.4	6.4	7.1	7.9	9.3	10.7	9.3	8.6	7.9
90°	9.9	8.7	8.1	7.3	5.6	4.0	2.3	0.7	2.3	4.0	5.6
92.5°	14.8	14.3	14.1	14.4	15.0	15.6	16.2	16.8	16.2	15.6	15.0
95°	23.1	22.0	21.5	24.0	28.9	33.8	38.8	43.7	38.8	33.8	28.9
97.5°	27.1	24.7	23.5	29.6	41.9	54.1	66.4	78.6	66.4	54.1	41.9
100°	30.7	28.2	26.9	37.1	57.6	78.0	98.5	118.9	98.5	78.0	57.6
102.5°	121.1	148.3	161.9	162.0	162.3	162.6	162.9	163.2	162.9	162.6	162.3
105°	163.2	203.9	224.3	222.1	217.6	213.1	208.7	204.2	208.7	213.1	217.6
107.5°	193.2	243.5	268.7	266.8	263.1	259.4	255.6	251.9	255.6	259.4	263.1
110°	247.0	290.1	311.7	310.1	307.0	303.9	300.7	297.6	300.7	303.9	307.0

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	348.8	351.3	352.6	351.3	348.6	345.9	343.2	340.5	343.2	345.9	348.6
115°	403.2	399.5	397.6	396.3	393.8	391.3	388.7	386.2	388.7	391.3	393.8
117.5°	443.1	440.6	439.3	437.8	434.8	431.8	428.8	425.8	428.8	431.8	434.8
120°	484.3	481.6	480.3	479.2	476.9	474.7	472.4	470.2	472.4	474.7	476.9
122.5°	523.0	520.0	518.5	517.3	514.9	512.6	510.2	507.8	510.2	512.6	514.9
125°	559.1	556.2	554.8	553.8	551.9	550.0	548.0	546.1	548.0	550.0	551.9
127.5°	593.8	591.5	590.4	589.4	587.3	585.2	583.1	581.0	583.1	585.2	587.3
130°	627.2	625.5	624.7	623.5	621.1	618.7	616.3	613.9	616.3	618.7	621.1
132.5°	658.7	657.0	656.2	655.2	653.3	651.4	649.4	647.5	649.4	651.4	653.3
135°	688.5	687.2	686.5	685.3	682.9	680.5	678.1	675.7	678.1	680.5	682.9
137.5°	715.5	714.0	713.3	712.4	710.6	708.9	707.1	705.3	707.1	708.9	710.6
140°	742.0	740.3	739.5	738.9	737.7	736.6	735.4	734.2	735.4	736.6	737.7
142.5°	765.9	764.0	763.0	762.5	761.4	760.4	759.3	758.3	759.3	760.4	761.4
145°	787.0	784.5	783.2	783.3	783.4	783.6	783.7	783.9	783.7	783.6	783.4
147.5°	807.8	805.3	804.0	804.2	804.7	805.1	805.6	806.0	805.6	805.1	804.7
150°	826.4	824.0	822.8	823.3	824.4	825.4	826.5	827.5	826.5	825.4	824.4
152.5°	843.7	841.4	840.3	840.9	842.1	843.3	844.5	845.7	844.5	843.3	842.1
155°	859.8	858.0	857.1	857.8	859.1	860.4	861.8	863.1	861.8	860.4	859.1
157.5°	873.8	872.5	871.8	872.4	873.6	874.8	876.0	877.2	876.0	874.8	873.6
160°	886.6	885.7	885.3	885.7	886.6	887.5	888.4	889.3	888.4	887.5	886.6
162.5°	897.1	896.4	896.0	896.5	897.4	898.3	899.2	900.1	899.2	898.3	897.4
165°	906.1	905.6	905.4	905.9	906.8	907.7	908.6	909.5	908.6	907.7	906.8
167.5°	913.5	913.0	912.8	913.3	914.2	915.1	916.0	916.9	916.0	915.1	914.2
170°	919.3	919.0	918.9	919.3	920.2	921.1	922.0	922.9	922.0	921.1	920.2
172.5°	923.3	923.0	922.9	923.3	924.2	925.1	926.0	926.9	926.0	925.1	924.2
175°	926.0	925.7	925.6	926.1	927.2	928.2	929.3	930.3	929.3	928.2	927.2
177.5°	927.1	927.0	926.9	927.4	928.5	929.5	930.6	931.6	930.6	929.5	928.5
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	1017.4	1018.1	1020.3	1013.8	1003.8	999.5	986.7	984.5	982.4	982.4	984.5
5°	994.5	991.7	992.4	980.2	965.9	957.4	939.5	942.3	933.1	927.3	928.8
7.5°	969.5	961.7	960.9	945.2	927.3	911.6	893.0	888.7	880.1	870.1	865.8
10°	938.1	932.3	921.6	903.7	880.9	868.0	843.0	828.0	825.8	810.8	805.1
12.5°	905.9	895.9	885.1	860.1	834.4	813.7	795.1	778.6	767.2	754.3	745.7
15°	868.7	856.6	844.4	817.9	787.9	767.2	739.3	715.0	681.4	654.9	639.9
17.5°	828.0	814.4	797.9	768.6	739.3	710.7	659.2	630.6	607.0	591.3	582.0
20°	785.8	770.8	754.3	725.0	674.2	624.2	595.6	573.4	559.1	543.4	531.9
22.5°	741.4	725.7	707.8	662.1	608.5	573.4	551.3	530.5	509.8	501.2	495.5
25°	700.0	685.7	662.8	600.6	558.4	526.2	501.2	487.6	476.9	465.5	454.7
27.5°	657.1	630.6	598.4	546.2	519.8	486.9	469.0	459.0	440.4	432.6	427.6
30°	605.6	576.3	545.5	508.4	477.6	454.7	438.3	421.8	411.1	403.3	394.7
32.5°	553.4	525.5	506.2	467.6	444.7	421.1	405.4	395.4	379.7	374.7	371.1
35°	508.4	484.8	467.6	436.1	414.7	393.2	381.8	366.8	356.8	347.5	341.8
37.5°	464.0	451.2	433.3	406.8	383.9	366.8	351.1	346.1	332.5	327.5	321.7
40°	433.3	414.0	399.0	376.1	356.8	338.2	328.2	316.7	307.4	299.6	297.4
42.5°	396.1	381.8	373.2	348.2	328.2	317.5	305.3	292.4	285.3	278.8	271.0
45°	368.2	355.3	343.2	323.2	305.3	291.7	281.0	272.4	260.3	257.4	245.2
47.5°	338.9	326.0	316.7	296.7	280.3	267.4	259.5	248.1	238.1	231.7	225.9
50°	309.6	298.9	290.3	273.1	258.8	245.2	234.5	223.1	218.8	208.1	204.5
52.5°	281.7	274.6	265.3	248.8	234.5	223.1	211.6	202.3	195.9	190.2	185.9
55°	258.1	246.7	242.4	224.5	212.4	200.2	190.2	184.5	176.6	173.0	169.5
57.5°	231.7	225.2	218.1	204.5	190.9	179.5	172.3	163.7	159.4	155.2	152.3
60°	208.8	199.5	193.8	182.3	170.2	159.4	153.0	146.6	140.9	137.3	131.6
62.5°	182.3	175.2	171.6	159.4	149.4	139.4	133.7	127.3	123.0	116.5	109.4
65°	159.4	153.7	149.4	139.4	130.1	120.8	115.1	107.2	101.5	98.0	97.2
67.5°	139.4	135.1	128.7	119.4	110.1	103.0	96.5	90.1	89.4	87.9	87.9
70°	117.3	113.0	109.4	99.4	91.5	83.7	82.2	80.1	77.9	77.2	75.8
72.5°	98.0	94.4	90.1	81.5	73.6	71.5	70.1	68.6	66.5	65.8	65.1
75°	79.4	74.4	71.5	63.6	61.5	60.1	58.6	56.5	55.1	54.3	52.9
77.5°	60.8	55.8	55.8	51.5	50.0	47.9	46.5	45.0	44.3	42.9	42.9
80°	42.9	42.9	41.5	39.3	37.2	36.5	34.3	33.6	32.9	33.6	32.2
82.5°	31.5	28.6	28.6	27.2	25.7	25.0	23.6	23.6	22.9	22.9	22.9
85°	17.9	17.9	17.2	15.7	15.0	15.0	14.3	14.3	13.6	13.6	12.9
87.5°	7.1	6.4	7.1	6.4	6.4	5.7	5.7	5.7	5.0	5.7	5.0
90°	7.3	8.1	8.7	9.9	11.0	12.2	13.4	14.2	14.9	15.7	16.4
92.5°	14.4	14.1	14.3	14.8	15.2	15.7	16.1	16.4	16.7	17.0	17.3
95°	24.0	21.5	22.0	23.1	24.1	25.2	26.2	27.0	27.7	28.5	29.2
97.5°	29.6	23.5	24.7	27.1	29.5	31.9	34.3	34.7	35.2	35.6	36.1
100°	37.1	26.9	28.2	30.7	33.2	35.8	38.3	39.5	40.7	41.9	43.1
102.5°	162.0	161.9	148.3	121.1	94.0	66.8	39.6	41.2	42.9	44.5	46.2
105°	222.1	224.3	203.9	163.2	122.5	81.7	41.0	42.6	44.3	45.9	47.6
107.5°	266.8	268.7	243.5	193.2	142.9	92.6	42.3	43.9	45.6	47.2	48.9
110°	310.1	311.7	290.1	247.0	203.8	160.7	117.5	102.6	87.7	72.8	57.9

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	351.3	352.6	351.3	348.8	346.3	343.7	341.2	276.9	212.5	148.2	83.9
115°	396.3	397.6	399.5	403.2	406.9	410.7	414.4	345.3	276.2	207.1	138.0
117.5°	437.8	439.3	440.6	443.1	445.6	448.2	450.7	429.4	408.0	386.7	365.4
120°	479.2	480.3	481.6	484.3	487.0	489.6	492.3	494.1	495.9	497.7	499.5
122.5°	517.3	518.5	520.0	523.0	526.0	529.0	532.0	532.9	533.8	534.7	535.6
125°	553.8	554.8	556.2	559.1	561.9	564.8	567.6	568.6	569.7	570.7	571.8
127.5°	589.4	590.4	591.5	593.8	596.0	598.3	600.5	602.0	603.5	605.0	606.5
130°	623.5	624.7	625.5	627.2	628.8	630.5	632.1	633.7	635.3	637.0	638.6
132.5°	655.2	656.2	657.0	658.7	660.3	662.0	663.6	665.0	666.3	667.7	669.0
135°	685.3	686.5	687.2	688.5	689.8	691.2	692.5	694.0	695.5	697.0	698.5
137.5°	712.4	713.3	714.0	715.5	717.0	718.5	720.0	721.5	723.0	724.5	726.0
140°	738.9	739.5	740.3	742.0	743.6	745.3	746.9	748.3	749.6	751.0	752.3
142.5°	762.5	763.0	764.0	765.9	767.9	769.8	771.8	773.0	774.2	775.3	776.5
145°	783.3	783.2	784.5	787.0	789.5	792.1	794.6	795.6	796.7	797.7	798.8
147.5°	804.2	804.0	805.3	807.8	810.3	812.9	815.4	816.2	816.9	817.7	818.4
150°	823.3	822.8	824.0	826.4	828.8	831.2	833.6	834.5	835.4	836.3	837.2
152.5°	840.9	840.3	841.4	843.7	845.9	848.2	850.4	851.3	852.2	853.1	854.0
155°	857.8	857.1	858.0	859.8	861.5	863.3	865.1	866.0	866.9	867.8	868.7
157.5°	872.4	871.8	872.5	873.8	875.2	876.5	877.9	878.9	880.0	881.0	882.1
160°	885.7	885.3	885.7	886.6	887.5	888.4	889.3	890.2	891.1	892.0	892.9
162.5°	896.5	896.0	896.4	897.1	897.9	898.6	899.4	900.4	901.5	902.5	903.6
165°	905.9	905.4	905.6	906.1	906.5	907.0	907.4	908.5	909.5	910.6	911.7
167.5°	913.3	912.8	913.0	913.5	913.9	914.4	914.8	915.8	916.9	917.9	919.0
170°	919.3	918.9	919.0	919.3	919.6	919.9	920.2	921.2	922.3	923.3	924.4
172.5°	923.3	922.9	923.0	923.3	923.6	923.9	924.2	925.2	926.3	927.3	928.4
175°	926.1	925.6	925.7	926.0	926.3	926.6	926.9	927.9	929.0	930.0	931.1
177.5°	927.4	926.9	927.0	927.1	927.3	927.4	927.6	928.6	929.7	930.7	931.8
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	984.5	983.1	978.8	980.2	978.1	978.1	976.7	976.7	976.7	980.2	978.1
5°	930.9	925.9	920.9	918.8	916.6	914.5	914.5	913.7	920.2	918.8	924.5
7.5°	864.4	863.0	853.0	853.0	849.4	848.0	851.5	852.3	853.0	854.4	858.0
10°	805.1	801.5	787.2	788.6	786.5	783.6	785.8	784.3	789.3	790.8	789.3
12.5°	735.0	728.6	712.8	705.0	696.4	690.0	697.8	692.1	712.1	717.8	733.6
15°	642.1	629.9	619.2	619.2	611.3	605.6	609.2	615.6	619.9	626.3	629.2
17.5°	579.9	574.8	566.3	561.3	559.1	557.0	557.0	559.8	569.1	568.4	574.1
20°	526.9	524.1	519.8	513.4	511.2	509.8	509.8	509.8	516.2	521.9	525.5
22.5°	490.5	488.3	485.5	476.9	472.6	471.2	474.7	476.9	481.9	486.2	489.8
25°	454.0	449.0	444.0	441.1	439.0	439.0	440.4	441.1	443.3	445.4	449.7
27.5°	424.0	420.4	413.3	405.4	405.4	403.3	404.7	406.1	411.1	418.3	421.8
30°	390.4	389.7	386.8	383.9	381.1	379.7	382.5	384.7	385.4	389.0	389.0
32.5°	366.1	361.1	356.1	353.2	351.8	351.1	351.8	354.6	354.6	358.9	363.9
35°	341.8	338.9	333.9	328.9	327.5	323.9	326.7	329.6	334.6	336.8	338.9
37.5°	315.3	311.7	309.6	308.2	305.3	306.0	303.9	308.2	312.4	311.7	313.2
40°	295.3	288.9	282.4	281.7	281.0	280.3	280.3	281.0	283.8	286.7	291.0
42.5°	269.5	267.4	261.7	256.0	254.5	253.1	251.7	254.5	260.3	265.3	267.4
45°	243.1	240.2	238.8	234.5	231.7	230.9	229.5	233.1	238.1	240.2	241.7
47.5°	218.8	218.1	213.8	214.5	212.4	213.1	212.4	214.5	214.5	216.6	218.1
50°	202.3	200.2	198.1	196.6	194.5	194.5	193.8	194.5	197.3	200.2	199.5
52.5°	185.9	182.3	181.6	180.9	179.5	180.9	178.7	179.5	182.3	183.8	183.0
55°	166.6	165.9	164.4	163.0	162.3	161.6	161.6	161.6	164.4	166.6	167.3
57.5°	151.6	148.0	145.1	145.1	142.3	141.6	143.0	143.7	145.9	147.3	148.7
60°	130.8	129.4	125.1	123.0	118.7	118.0	118.0	120.8	124.4	129.4	130.8
62.5°	108.7	106.5	105.8	105.8	105.8	105.8	105.8	105.8	105.8	106.5	106.5
65°	96.5	97.2	96.5	95.8	96.5	96.5	95.8	95.8	95.8	96.5	97.2
67.5°	86.5	85.8	86.5	85.8	85.1	85.1	84.4	85.1	85.8	86.5	86.5
70°	75.1	75.1	74.4	75.1	74.4	73.6	72.9	72.9	74.4	75.1	75.1
72.5°	64.3	64.3	63.6	63.6	62.2	62.2	62.9	62.2	62.2	64.3	64.3
75°	53.6	52.9	52.2	52.2	51.5	51.5	51.5	50.8	52.2	52.2	52.9
77.5°	42.2	42.2	42.2	41.5	41.5	40.8	40.8	41.5	41.5	41.5	42.2
80°	32.2	32.2	32.2	31.5	30.7	30.7	30.7	30.7	30.7	31.5	30.7
82.5°	22.2	22.2	22.2	22.2	22.2	21.4	21.4	21.4	22.2	22.2	21.4
85°	13.6	12.9	13.6	13.6	12.9	13.6	12.9	12.9	12.2	12.2	12.9
87.5°	5.7	5.0	4.3	4.3	5.0	4.3	4.3	4.3	5.0	4.3	4.3
90°	16.8	16.9	17.2	17.5	17.8	18.1	17.8	17.5	17.2	16.9	16.8
92.5°	17.5	17.6	17.7	17.8	18.0	18.1	18.0	17.8	17.7	17.6	17.5
95°	29.6	29.5	29.4	29.2	29.1	28.9	29.1	29.2	29.4	29.5	29.6
97.5°	36.3	36.4	36.5	36.6	36.8	36.9	36.8	36.6	36.5	36.4	36.3
100°	43.7	43.8	44.1	44.4	44.7	45.0	44.7	44.4	44.1	43.8	43.7
102.5°	47.0	47.2	47.7	48.1	48.6	49.0	48.6	48.1	47.7	47.2	47.0
105°	48.4	48.7	49.3	49.8	50.4	51.0	50.4	49.8	49.3	48.7	48.4
107.5°	49.7	50.0	50.6	51.2	51.8	52.4	51.8	51.2	50.6	50.0	49.7
110°	50.4	50.7	51.3	51.9	52.5	53.1	52.5	51.9	51.3	50.7	50.4

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	51.7	51.9	52.4	52.8	53.3	53.7	53.3	52.8	52.4	51.9	51.7
115°	103.4	98.0	87.3	76.6	65.8	55.1	65.8	76.6	87.3	98.0	103.4
117.5°	354.7	335.1	296.0	256.9	217.8	178.7	217.8	256.9	296.0	335.1	354.7
120°	500.4	490.3	470.2	450.0	429.9	409.7	429.9	450.0	470.2	490.3	500.4
122.5°	536.0	536.1	536.2	536.4	536.5	536.7	536.5	536.4	536.2	536.1	536.0
125°	572.3	572.5	573.0	573.4	573.9	574.3	573.9	573.4	573.0	572.5	572.3
127.5°	607.2	607.3	607.4	607.6	607.7	607.9	607.7	607.6	607.4	607.3	607.2
130°	639.4	639.3	639.2	639.1	638.9	638.8	638.9	639.1	639.2	639.3	639.4
132.5°	669.7	669.6	669.5	669.3	669.2	669.0	669.2	669.3	669.5	669.6	669.7
135°	699.2	699.1	698.8	698.5	698.2	697.9	698.2	698.5	698.8	699.1	699.2
137.5°	726.8	726.6	726.1	725.7	725.2	724.8	725.2	725.7	726.1	726.6	726.8
140°	753.0	752.6	751.9	751.1	750.4	749.6	750.4	751.1	751.9	752.6	753.0
142.5°	777.1	776.7	776.0	775.3	774.5	773.8	774.5	775.3	776.0	776.7	777.1
145°	799.3	798.9	798.2	797.4	796.7	795.9	796.7	797.4	798.2	798.9	799.3
147.5°	818.8	818.5	817.9	817.3	816.7	816.1	816.7	817.3	817.9	818.5	818.8
150°	837.6	837.2	836.5	835.7	835.0	834.2	835.0	835.7	836.5	837.2	837.6
152.5°	854.4	853.9	852.8	851.8	850.7	849.7	850.7	851.8	852.8	853.9	854.4
155°	869.2	868.6	867.4	866.2	865.0	863.8	865.0	866.2	867.4	868.6	869.2
157.5°	882.6	882.0	880.8	879.6	878.4	877.2	878.4	879.6	880.8	882.0	882.6
160°	893.3	892.8	891.7	890.7	889.6	888.6	889.6	890.7	891.7	892.8	893.3
162.5°	904.1	903.4	902.1	900.7	899.4	898.0	899.4	900.7	902.1	903.4	904.1
165°	912.2	911.7	910.6	909.5	908.5	907.4	908.5	909.5	910.6	911.7	912.2
167.5°	919.5	918.8	917.5	916.2	914.8	913.5	914.8	916.2	917.5	918.8	919.5
170°	924.9	924.2	922.9	921.6	920.2	918.9	920.2	921.6	922.9	924.2	924.9
172.5°	928.9	928.2	926.9	925.6	924.2	922.9	924.2	925.6	926.9	928.2	928.9
175°	931.6	930.9	929.4	927.9	926.4	924.9	926.4	927.9	929.4	930.9	931.6
177.5°	932.3	931.6	930.3	929.0	927.6	926.3	927.6	929.0	930.3	931.6	932.3
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9	1028.9
2.5°	980.2	983.8	982.4	974.5	982.4	984.5	988.8	993.1	996.0	1000.3	1003.8
5°	918.8	925.9	930.2	925.9	940.2	942.3	952.4	958.1	966.7	973.8	979.5
7.5°	860.8	866.6	875.1	876.6	885.1	895.2	909.5	923.8	937.3	944.5	950.9
10°	798.6	808.6	821.5	818.7	831.5	847.3	862.3	885.1	896.6	909.5	920.9
12.5°	736.4	742.9	760.0	765.7	784.3	796.5	817.2	831.5	860.1	875.1	885.1
15°	627.8	654.2	675.7	701.4	725.7	748.6	767.2	792.9	817.9	829.4	845.8
17.5°	578.4	590.6	603.4	616.3	647.8	688.5	721.4	749.3	770.8	785.8	805.1
20°	526.9	539.1	553.4	565.6	584.9	614.2	654.9	702.8	728.6	744.3	762.9
22.5°	490.5	501.9	511.2	521.9	537.0	558.4	589.1	648.5	682.8	702.1	718.6
25°	451.2	465.5	475.5	483.3	495.5	519.1	544.1	577.7	639.2	654.2	677.1
27.5°	424.0	428.3	439.7	451.9	464.0	476.9	502.6	531.2	572.7	605.6	633.5
30°	391.8	402.5	413.3	418.3	429.0	447.6	463.3	494.1	526.2	552.0	585.6
32.5°	367.5	373.9	381.1	393.2	403.3	416.1	431.9	457.6	484.8	501.2	526.9
35°	340.3	344.6	359.6	364.6	374.7	387.5	403.3	423.3	452.6	465.5	484.0
37.5°	314.6	324.6	328.9	340.3	349.6	362.5	373.9	396.8	416.1	431.1	448.3
40°	294.6	298.9	306.7	316.7	324.6	334.6	348.9	365.4	386.1	398.2	413.3
42.5°	270.3	273.8	283.8	289.6	302.4	311.7	320.3	340.3	358.9	368.2	383.2
45°	243.8	252.4	258.8	270.3	277.4	288.9	299.6	313.9	331.0	341.8	350.3
47.5°	220.9	229.5	235.9	246.7	258.1	263.1	274.6	289.6	305.3	313.9	326.0
50°	202.3	205.2	217.4	222.4	234.5	244.5	252.4	265.3	282.4	287.4	297.4
52.5°	184.5	186.6	194.5	200.9	211.6	220.2	230.2	242.4	256.7	264.5	272.4
55°	168.7	170.2	173.7	180.9	188.0	198.8	208.1	219.5	231.7	240.2	247.4
57.5°	150.9	153.7	156.6	160.9	168.0	178.0	188.0	198.8	208.8	214.5	223.8
60°	130.1	134.4	139.4	144.4	149.4	156.6	168.0	178.0	187.3	192.3	199.5
62.5°	108.0	116.5	120.8	126.6	130.8	137.3	145.9	157.3	163.7	170.2	175.9
65°	97.2	98.0	98.7	104.4	112.3	118.7	126.6	135.1	145.1	149.4	153.7
67.5°	86.5	87.2	88.7	89.4	92.2	99.4	108.0	117.3	125.1	128.0	132.3
70°	75.8	75.8	78.6	79.4	80.1	80.8	87.9	97.2	104.4	108.0	113.0
72.5°	64.3	65.1	66.5	67.2	68.6	70.1	72.2	77.2	85.8	89.4	95.1
75°	52.9	53.6	54.3	55.1	57.2	57.9	60.1	62.9	66.5	70.8	74.4
77.5°	42.2	42.2	42.9	44.3	45.8	46.5	48.6	50.0	51.5	53.6	56.5
80°	31.5	32.2	32.2	33.6	33.6	34.3	35.0	37.2	38.6	40.0	41.5
82.5°	21.4	22.9	22.9	22.9	23.6	24.3	25.0	25.0	26.5	27.2	29.3
85°	12.9	13.6	13.6	13.6	12.9	14.3	14.3	15.0	15.0	15.0	15.7
87.5°	5.0	4.3	5.0	5.0	5.0	5.7	5.0	5.0	5.7	6.4	6.4
90°	16.4	15.7	14.9	14.2	13.4	12.2	11.0	9.9	8.7	8.1	7.3
92.5°	17.3	17.0	16.7	16.4	16.1	15.7	15.2	14.8	14.3	14.1	14.4
95°	29.2	28.5	27.7	27.0	26.2	25.2	24.1	23.1	22.0	21.5	24.0
97.5°	36.1	35.6	35.2	34.7	34.3	31.9	29.5	27.1	24.7	23.5	29.6
100°	43.1	41.9	40.7	39.5	38.3	35.8	33.2	30.7	28.2	26.9	37.1
102.5°	46.2	44.5	42.9	41.2	39.6	66.8	94.0	121.1	148.3	161.9	162.0
105°	47.6	45.9	44.3	42.6	41.0	81.7	122.5	163.2	203.9	224.3	222.1
107.5°	48.9	47.2	45.6	43.9	42.3	92.6	142.9	193.2	243.5	268.7	266.8
110°	57.9	72.8	87.7	102.6	117.5	160.7	203.8	247.0	290.1	311.7	310.1

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	83.9	148.2	212.5	276.9	341.2	343.7	346.3	348.8	351.3	352.6	351.3
115°	138.0	207.1	276.2	345.3	414.4	410.7	406.9	403.2	399.5	397.6	396.3
117.5°	365.4	386.7	408.0	429.4	450.7	448.2	445.6	443.1	440.6	439.3	437.8
120°	499.5	497.7	495.9	494.1	492.3	489.6	487.0	484.3	481.6	480.3	479.2
122.5°	535.6	534.7	533.8	532.9	532.0	529.0	526.0	523.0	520.0	518.5	517.3
125°	571.8	570.7	569.7	568.6	567.6	564.8	561.9	559.1	556.2	554.8	553.8
127.5°	606.5	605.0	603.5	602.0	600.5	598.3	596.0	593.8	591.5	590.4	589.4
130°	638.6	637.0	635.3	633.7	632.1	630.5	628.8	627.2	625.5	624.7	623.5
132.5°	669.0	667.7	666.3	665.0	663.6	662.0	660.3	658.7	657.0	656.2	655.2
135°	698.5	697.0	695.5	694.0	692.5	691.2	689.8	688.5	687.2	686.5	685.3
137.5°	726.0	724.5	723.0	721.5	720.0	718.5	717.0	715.5	714.0	713.3	712.4
140°	752.3	751.0	749.6	748.3	746.9	745.3	743.6	742.0	740.3	739.5	738.9
142.5°	776.5	775.3	774.2	773.0	771.8	769.8	767.9	765.9	764.0	763.0	762.5
145°	798.8	797.7	796.7	795.6	794.6	792.1	789.5	787.0	784.5	783.2	783.3
147.5°	818.4	817.7	816.9	816.2	815.4	812.9	810.3	807.8	805.3	804.0	804.2
150°	837.2	836.3	835.4	834.5	833.6	831.2	828.8	826.4	824.0	822.8	823.3
152.5°	854.0	853.1	852.2	851.3	850.4	848.2	845.9	843.7	841.4	840.3	840.9
155°	868.7	867.8	866.9	866.0	865.1	863.3	861.5	859.8	858.0	857.1	857.8
157.5°	882.1	881.0	880.0	878.9	877.9	876.5	875.2	873.8	872.5	871.8	872.4
160°	892.9	892.0	891.1	890.2	889.3	888.4	887.5	886.6	885.7	885.3	885.7
162.5°	903.6	902.5	901.5	900.4	899.4	898.6	897.9	897.1	896.4	896.0	896.5
165°	911.7	910.6	909.5	908.5	907.4	907.0	906.5	906.1	905.6	905.4	905.9
167.5°	919.0	917.9	916.9	915.8	914.8	914.4	913.9	913.5	913.0	912.8	913.3
170°	924.4	923.3	922.3	921.2	920.2	919.9	919.6	919.3	919.0	918.9	919.3
172.5°	928.4	927.3	926.3	925.2	924.2	923.9	923.6	923.3	923.0	922.9	923.3
175°	931.1	930.0	929.0	927.9	926.9	926.6	926.3	926.0	925.7	925.6	926.1
177.5°	931.8	930.7	929.7	928.6	927.6	927.4	927.3	927.1	927.0	926.9	927.4
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1028.9	1028.9	1028.9	1028.9
2.5°	1010.3	1008.1	1021.0	1035.3
5°	989.5	993.1	1009.6	1029.6
7.5°	968.1	976.0	995.3	1021.7
10°	938.1	952.4	981.7	1008.8
12.5°	908.7	928.0	955.9	988.1
15°	875.9	897.3	931.6	970.2
17.5°	839.4	863.7	903.7	945.9
20°	800.8	833.0	875.1	920.9
22.5°	757.9	796.5	840.1	890.9
25°	716.4	758.6	802.2	860.8
27.5°	675.7	717.1	765.7	825.1
30°	634.9	672.8	725.0	788.6
32.5°	591.3	630.6	685.7	750.7
35°	551.3	590.6	642.1	706.4
37.5°	508.4	550.5	599.9	666.4
40°	458.3	507.6	555.5	619.2
42.5°	416.8	469.0	515.5	575.6
45°	383.9	433.3	471.9	530.5
47.5°	353.2	393.2	432.6	486.9
50°	323.9	354.6	395.4	444.0
52.5°	293.9	320.3	355.3	401.1
55°	266.7	291.7	323.2	358.2
57.5°	241.7	259.5	291.0	322.5
60°	213.8	232.4	256.7	283.1
62.5°	190.2	204.5	227.4	249.5
65°	165.2	178.7	195.9	216.6
67.5°	142.3	154.4	168.0	184.5
70°	121.5	130.8	140.9	155.2
72.5°	99.4	109.4	118.7	130.1
75°	81.5	85.8	93.7	101.5
77.5°	62.9	68.6	72.9	79.4
80°	45.0	50.0	51.5	56.5
82.5°	30.0	32.9	35.7	37.2
85°	17.2	18.6	21.4	22.2
87.5°	6.4	7.1	8.6	10.0
90°	5.6	4.0	2.3	0.7
92.5°	15.0	15.6	16.2	16.8
95°	28.9	33.8	38.8	43.7
97.5°	41.9	54.1	66.4	78.6
100°	57.6	78.0	98.5	118.9
102.5°	162.3	162.6	162.9	163.2
105°	217.6	213.1	208.7	204.2
107.5°	263.1	259.4	255.6	251.9
110°	307.0	303.9	300.7	297.6

TEST NUMBER: P999793

CATALOG NUMBER: SA2XXRDIP-B485D725UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	348.6	345.9	343.2	340.5
115°	393.8	391.3	388.7	386.2
117.5°	434.8	431.8	428.8	425.8
120°	476.9	474.7	472.4	470.2
122.5°	514.9	512.6	510.2	507.8
125°	551.9	550.0	548.0	546.1
127.5°	587.3	585.2	583.1	581.0
130°	621.1	618.7	616.3	613.9
132.5°	653.3	651.4	649.4	647.5
135°	682.9	680.5	678.1	675.7
137.5°	710.6	708.9	707.1	705.3
140°	737.7	736.6	735.4	734.2
142.5°	761.4	760.4	759.3	758.3
145°	783.4	783.6	783.7	783.9
147.5°	804.7	805.1	805.6	806.0
150°	824.4	825.4	826.5	827.5
152.5°	842.1	843.3	844.5	845.7
155°	859.1	860.4	861.8	863.1
157.5°	873.6	874.8	876.0	877.2
160°	886.6	887.5	888.4	889.3
162.5°	897.4	898.3	899.2	900.1
165°	906.8	907.7	908.6	909.5
167.5°	914.2	915.1	916.0	916.9
170°	920.2	921.1	922.0	922.9
172.5°	924.2	925.1	926.0	926.9
175°	927.2	928.2	929.3	930.3
177.5°	928.5	929.5	930.6	931.6
180°	928.3	928.3	928.3	928.3

(END OF REPORT)