

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P998607

Luminaire Tested: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P998607
REPORT IS A COMBINATION OF REPORTS P984350 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

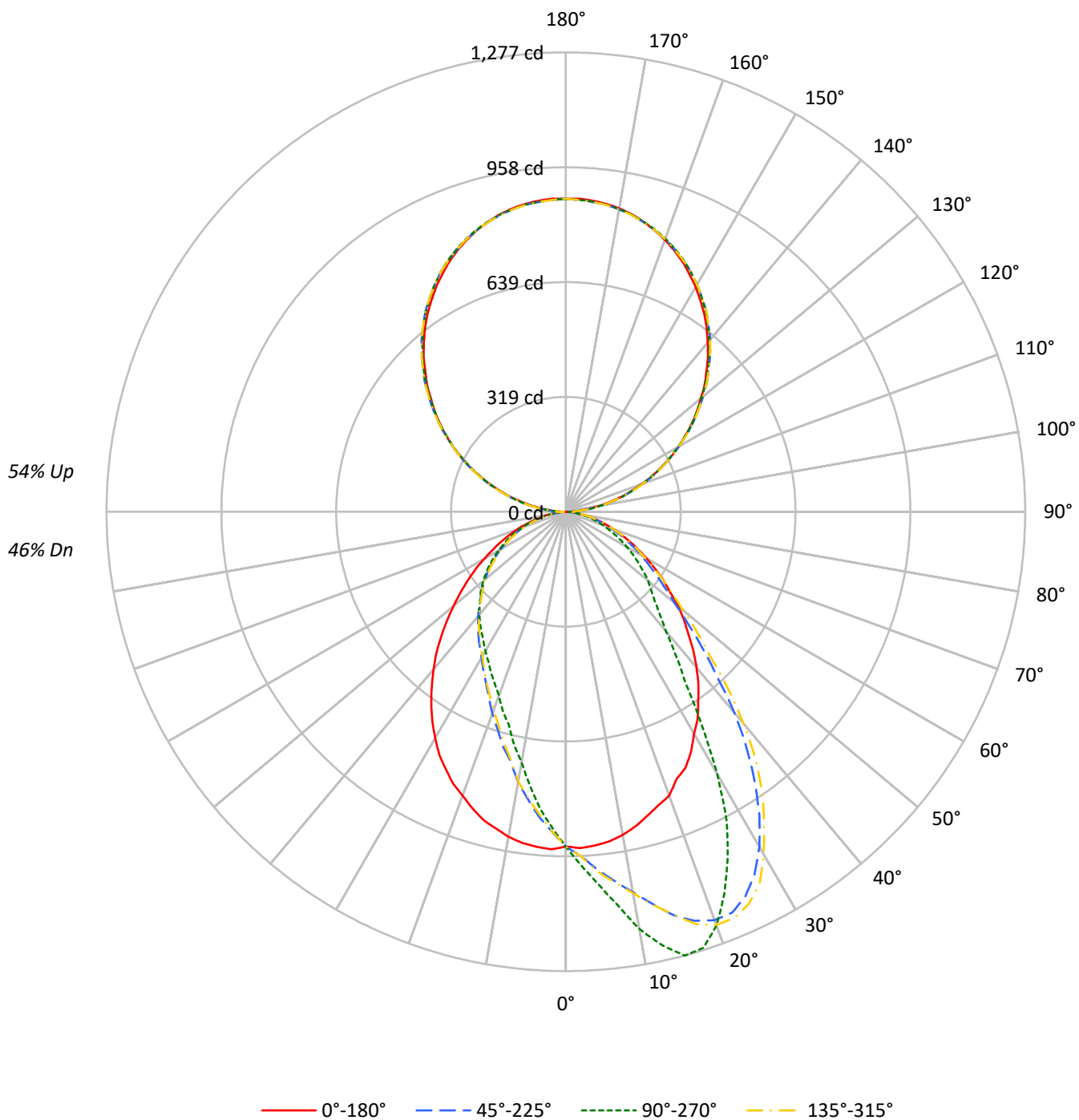
Lumens per Lamp: N/A
Luminaire Lumens: 4487.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52
1	97	93	89	86	89	86	83	80	72	69	67	59	57	56	47	46	45
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39
3	81	72	65	60	74	67	61	56	56	52	48	46	43	41	37	35	33
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	31	29
5	69	57	50	44	63	53	46	41	45	40	36	38	34	31	31	28	26
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	26	23	20
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	18
9	51	39	32	27	47	36	30	25	31	26	22	26	22	20	22	19	17
10	48	36	29	24	44	33	27	23	29	24	20	24	21	18	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14729	14729	14729	14729
5°	14764	15704	14821	12495
10°	14593	17145	14684	10302
15°	14239	18083	14438	8678
20°	14017	16980	14017	7542
25°	13570	14587	13632	6745
30°	12836	11467	13081	6109
35°	12185	7929	12388	5590
40°	11435	5986	11567	5176
45°	10514	4919	10684	4727
50°	9716	4319	9733	4329
55°	8804	3679	8863	3893
60°	7835	3074	7944	3398
65°	6968	2499	7092	2902
70°	6102	1962	6258	2340
75°	5119	1424	5320	1698
80°	4000	902	4279	1007
85°	2627	454	2825	336

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15226 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	2.0
10°-20°	258.0	5.7
20°-30°	374.4	8.3
30°-40°	394.7	8.8
40°-50°	349.2	7.8
50°-60°	278.9	6.2
60°-70°	189.4	4.2
70°-80°	96.9	2.2
80°-90°	25.4	0.6
90°-100°	53.8	1.2
100°-110°	171.0	3.8
110°-120°	292.7	6.5
120°-130°	384.9	8.6
130°-140°	432.0	9.6
140°-150°	423.7	9.4
150°-160°	355.4	7.9
160°-170°	235.7	5.3
170°-180°	82.4	1.8
0°-30°	721.0	16.1
0°-40°	1115.7	24.9
0°-60°	1743.8	38.9
0°-90°	2055.5	45.8
90°-120°	517.5	11.5
90°-150°	1758.1	39.2
90°-180°	2432.0	54.2
0°-180°	4487.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	930	930	930	930	930	
5°	931	1039	935	827	931	88
15°	875	1277	887	613	875	247
25°	786	1064	790	492	786	359
35°	642	579	652	408	642	401
45°	481	349	489	335	481	373
55°	330	245	333	260	330	295
65°	196	151	200	175	196	195
75°	92	74	95	89	92	98
85°	19	19	20	14	19	22
90°	1	25	1	25	1	3
95°	38	46	38	46	38	43
105°	158	163	158	163	158	167
115°	294	294	294	294	294	290
125°	427	429	427	429	427	382
135°	553	559	553	559	553	427
145°	671	678	671	678	671	419
155°	767	773	767	773	767	353
165°	834	835	834	835	834	235
175°	868	865	868	865	868	82
180°	870	870	870	870	870	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	935.5	937.7	941.2	942.0	949.1	954.8	961.3	961.3	963.4	962.7	957.0
5°	931.2	937.7	947.0	954.8	967.7	973.4	982.0	988.4	994.2	998.5	997.7
7.5°	924.1	935.5	949.1	964.1	981.3	991.3	1003.5	1014.9	1022.8	1029.9	1034.9
10°	911.9	931.2	949.8	969.9	992.0	1005.6	1019.9	1034.9	1047.1	1060.7	1073.6
12.5°	895.5	923.4	946.3	972.7	999.9	1014.9	1037.8	1049.2	1072.8	1107.2	1116.5
15°	874.7	912.6	934.1	967.7	1003.5	1015.6	1047.1	1065.7	1114.3	1135.8	1161.5
17.5°	855.4	897.6	926.2	964.8	999.9	1023.5	1054.3	1092.2	1132.9	1163.7	1192.3
20°	839.7	880.4	914.8	957.7	1002.0	1032.1	1064.3	1110.0	1154.4	1185.9	1208.0
22.5°	803.9	856.1	896.2	944.1	997.7	1039.2	1070.0	1120.1	1168.0	1187.3	1206.6
25°	786.0	831.1	877.6	931.9	994.9	1044.2	1070.7	1126.5	1168.7	1175.8	1180.1
27.5°	753.1	803.9	858.3	920.5	994.2	1035.7	1069.3	1120.1	1153.7	1148.7	1135.8
30°	712.4	774.6	834.7	901.9	984.2	1029.2	1060.7	1107.2	1124.3	1098.6	1075.7
32.5°	682.3	741.0	807.5	885.5	972.7	1015.6	1046.4	1082.9	1086.4	1039.9	1001.3
35°	641.6	706.6	781.7	864.0	953.4	992.0	1020.6	1042.8	1025.6	960.6	914.8
37.5°	605.1	669.5	749.6	833.2	926.9	964.8	987.7	991.3	949.1	891.9	824.7
40°	565.0	631.5	715.2	803.2	897.6	930.5	944.8	934.1	873.3	806.8	728.8
42.5°	525.0	590.8	680.9	771.0	860.4	888.3	894.0	864.7	790.3	712.4	622.3
45°	481.4	550.0	640.1	731.0	817.5	833.2	834.0	791.8	703.8	622.3	538.6
47.5°	445.6	509.2	598.6	689.5	762.4	773.2	768.9	720.2	624.4	532.8	459.9
50°	406.3	467.0	555.7	645.1	707.4	710.2	699.5	630.1	536.4	452.7	394.8
52.5°	364.1	425.6	507.1	592.9	648.7	644.4	623.7	549.3	461.3	391.9	347.6
55°	330.4	384.8	461.3	545.0	584.3	572.2	549.3	473.5	404.1	345.5	306.8
57.5°	293.2	341.2	416.3	489.2	512.1	500.7	477.8	407.0	342.6	298.3	272.5
60°	258.2	301.8	367.6	428.4	446.3	434.1	407.7	344.0	297.5	260.3	241.0
62.5°	226.0	263.9	319.0	374.8	381.9	369.8	346.9	295.4	255.3	226.0	211.7
65°	196.0	231.7	276.1	318.3	324.7	311.8	288.2	251.0	217.4	198.8	185.2
67.5°	166.6	195.3	234.6	265.4	268.9	256.8	237.5	207.4	186.7	166.6	156.6
70°	140.9	162.4	193.1	218.1	219.6	208.1	198.1	170.9	155.2	140.9	133.0
72.5°	115.9	130.9	154.5	173.1	173.8	166.6	157.4	140.2	126.6	116.6	108.7
75°	91.5	104.4	118.7	135.2	134.5	128.7	121.6	110.9	99.4	93.0	89.4
77.5°	70.1	78.0	89.4	100.1	100.1	97.3	93.0	85.1	78.0	71.5	67.9
80°	50.1	55.1	64.4	67.9	69.4	68.7	65.1	59.4	56.5	51.5	50.1
82.5°	32.2	35.8	40.1	43.6	45.8	44.3	43.6	40.8	36.5	35.0	33.6
85°	18.6	20.0	22.2	24.3	25.0	24.3	25.7	23.6	21.5	21.5	20.7
87.5°	7.9	8.6	10.0	10.0	10.7	10.7	10.0	10.7	10.7	10.0	9.3
90°	0.7	2.7	4.6	6.6	8.5	9.5	11.3	14.9	18.5	22.1	25.7
92.5°	16.1	17.4	18.7	20.0	21.3	22.0	22.1	22.3	22.4	22.6	22.8
95°	38.2	39.8	41.4	43.1	44.7	45.5	45.7	46.0	46.3	46.7	47.0
97.5°	63.9	65.4	66.8	68.3	69.8	70.5	70.8	71.5	72.1	72.8	73.4
100°	93.2	94.5	95.8	97.1	98.4	99.1	99.3	99.8	100.3	100.8	101.3
102.5°	124.0	125.0	126.0	126.9	127.9	128.4	128.7	129.4	130.1	130.7	131.4
105°	157.8	158.3	158.8	159.3	159.8	160.0	160.2	160.5	160.8	161.2	161.5
107.5°	191.6	192.2	192.9	193.5	194.2	194.5	194.5	194.5	194.5	194.5	194.5
110°	223.8	224.8	225.8	226.8	227.8	228.3	228.3	228.3	228.3	228.3	228.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	259.1	260.1	261.1	262.0	263.0	263.5	263.4	263.2	263.1	262.9	262.7
115°	293.6	294.6	295.6	296.5	297.5	298.0	297.8	297.5	297.2	296.8	296.5
117.5°	328.1	329.4	330.7	332.0	333.3	333.9	333.5	332.7	331.9	331.1	330.3
120°	362.6	363.9	365.2	366.5	367.8	368.4	367.8	366.5	365.2	363.9	362.6
122.5°	394.1	395.7	397.4	399.0	400.7	401.5	401.1	400.3	399.4	398.6	397.8
125°	427.1	428.6	430.1	431.6	433.1	433.8	433.5	433.0	432.5	432.0	431.5
127.5°	459.4	461.2	463.0	464.8	466.6	467.5	467.2	466.5	465.9	465.2	464.6
130°	489.5	491.6	493.8	495.9	498.0	499.1	498.9	498.6	498.3	497.9	497.6
132.5°	523.3	524.9	526.5	528.2	529.8	530.6	530.7	530.9	531.0	531.2	531.4
135°	552.6	554.4	556.2	558.0	559.8	560.7	560.9	561.2	561.5	561.9	562.2
137.5°	584.9	586.4	587.8	589.3	590.8	591.5	591.7	592.0	592.3	592.7	593.0
140°	613.6	615.1	616.5	618.0	619.5	620.2	620.6	621.4	622.2	623.0	623.8
142.5°	642.9	644.4	645.8	647.3	648.8	649.5	649.7	650.2	650.7	651.2	651.7
145°	670.8	671.9	673.1	674.2	675.3	675.9	676.4	677.4	678.4	679.4	680.4
147.5°	695.8	697.3	698.7	700.2	701.7	702.4	702.7	703.4	704.0	704.7	705.3
150°	721.4	722.4	723.4	724.4	725.4	725.9	726.2	726.9	727.5	728.2	728.8
152.5°	744.2	745.2	746.2	747.1	748.1	748.6	749.0	749.8	750.7	751.5	752.3
155°	767.0	767.5	768.0	768.5	769.0	769.2	769.4	769.9	770.4	770.9	771.4
157.5°	786.8	787.1	787.4	787.7	788.0	788.2	788.4	788.7	789.0	789.4	789.7
160°	804.4	804.7	805.1	805.4	805.7	805.9	806.0	806.1	806.3	806.4	806.6
162.5°	820.5	820.5	820.5	820.5	820.5	820.5	820.6	820.8	820.9	821.1	821.3
165°	834.5	834.3	834.1	834.0	833.8	833.7	833.7	833.7	833.7	833.7	833.7
167.5°	847.0	846.5	846.0	845.5	845.0	844.7	844.7	844.7	844.7	844.7	844.7
170°	856.5	856.0	855.5	855.0	854.5	854.3	854.2	854.1	853.9	853.8	853.6
172.5°	863.1	862.6	862.1	861.6	861.1	860.9	860.8	860.7	860.5	860.4	860.2
175°	868.2	867.7	867.2	866.7	866.2	866.0	865.8	865.5	865.2	864.9	864.6
177.5°	871.2	870.7	870.2	869.7	869.2	869.0	868.8	868.5	868.2	867.8	867.5
180°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	967.0	967.7	969.1	976.3	979.9	980.6	977.7	984.2	986.3	984.2	982.7
5°	1012.8	1017.1	1025.6	1034.9	1034.2	1034.9	1039.2	1043.5	1045.0	1039.2	1041.4
7.5°	1052.8	1061.4	1070.7	1085.0	1085.0	1092.2	1095.0	1098.6	1107.2	1102.9	1101.5
10°	1098.6	1110.0	1127.2	1150.1	1150.8	1158.0	1165.1	1176.6	1180.1	1177.3	1178.7
12.5°	1155.8	1178.0	1179.4	1204.4	1215.9	1217.3	1228.8	1226.6	1233.8	1233.8	1245.9
15°	1180.8	1215.2	1234.5	1258.8	1266.0	1257.4	1266.7	1276.7	1277.4	1277.4	1276.7
17.5°	1225.9	1239.5	1258.8	1271.7	1274.5	1274.5	1275.3	1279.5	1276.7	1271.0	1275.3
20°	1235.2	1240.9	1248.1	1246.6	1248.1	1240.9	1233.8	1226.6	1227.3	1223.8	1234.5
22.5°	1218.0	1216.6	1200.2	1189.4	1189.4	1175.1	1161.5	1155.1	1148.7	1150.8	1154.4
25°	1175.1	1153.0	1132.9	1117.2	1113.6	1090.7	1072.1	1066.4	1055.7	1064.3	1065.7
27.5°	1106.5	1081.4	1049.2	1035.7	1017.1	1007.8	994.9	977.7	955.5	968.4	966.3
30°	1032.8	995.6	969.1	936.2	906.9	904.8	880.4	851.8	840.4	840.4	846.8
32.5°	950.5	901.2	862.6	816.1	787.5	775.3	746.0	717.4	723.8	702.4	710.2
35°	854.7	789.6	741.0	695.9	674.5	660.2	622.3	606.5	589.4	579.3	597.9
37.5°	763.2	688.1	625.8	576.5	568.6	542.9	517.1	507.1	497.1	501.4	500.7
40°	651.6	585.1	529.3	490.6	477.1	464.9	447.7	435.6	429.1	432.7	433.4
42.5°	550.7	494.9	453.5	426.3	414.8	406.3	397.7	387.7	385.5	385.5	388.4
45°	472.8	427.0	399.1	376.9	370.5	364.1	357.6	353.3	351.9	349.0	351.2
47.5°	410.5	374.1	356.9	340.4	333.3	331.9	326.1	324.0	321.1	320.4	321.1
50°	358.3	335.4	319.7	310.4	305.4	303.3	300.4	296.1	294.7	298.3	296.8
52.5°	321.9	300.4	291.8	282.5	279.7	276.8	272.5	273.2	272.5	271.1	271.1
55°	285.4	271.8	263.2	256.1	255.3	252.5	248.9	247.5	246.8	245.3	247.5
57.5°	256.1	245.3	237.5	231.0	228.2	228.2	224.6	221.7	221.7	221.0	221.7
60°	226.7	216.0	211.0	204.6	202.4	201.7	199.5	198.1	196.0	196.0	196.0
62.5°	199.5	191.0	185.2	179.5	180.2	176.7	173.8	172.4	172.4	173.1	173.1
65°	173.8	168.1	160.9	155.9	154.5	153.8	152.3	151.6	149.5	150.9	150.9
67.5°	150.2	142.3	138.0	135.9	133.7	133.0	131.6	130.2	129.5	128.7	130.2
70°	126.6	120.2	116.6	115.2	113.0	112.3	111.6	109.4	110.1	110.9	111.6
72.5°	105.1	99.4	98.7	94.4	94.4	94.4	91.5	93.0	92.3	90.8	92.3
75°	83.0	80.1	78.7	76.5	77.2	76.5	75.8	73.7	73.7	74.4	75.1
77.5°	65.8	62.9	62.2	60.1	58.6	60.1	58.6	57.9	57.9	58.6	58.6
80°	48.6	47.2	45.1	45.1	45.1	44.3	44.3	44.3	43.6	42.9	43.6
82.5°	32.2	32.2	31.5	30.8	31.5	30.0	30.8	30.8	30.8	30.8	30.8
85°	20.7	20.0	20.0	19.3	19.3	19.3	20.0	18.6	18.6	19.3	19.3
87.5°	9.3	9.3	9.3	10.0	9.3	9.3	9.3	10.0	9.3	9.3	9.3
90°	25.4	25.0	24.7	24.4	24.2	24.3	24.5	24.6	24.8	25.0	24.8
92.5°	23.0	23.1	23.3	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5
95°	47.0	47.0	47.0	47.0	47.0	46.8	46.5	46.2	45.8	45.5	45.8
97.5°	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
100°	101.3	101.3	101.3	101.3	101.3	101.2	101.0	100.9	100.7	100.5	100.7
102.5°	131.6	131.7	131.9	132.0	132.1	132.0	131.9	131.7	131.6	131.4	131.6
105°	161.8	162.1	162.4	162.7	162.9	162.9	162.9	162.9	162.9	162.9	162.9
107.5°	194.7	194.8	195.0	195.1	195.2	194.8	194.0	193.2	192.4	191.6	192.4
110°	228.3	228.3	228.3	228.3	228.3	228.0	227.5	227.0	226.5	226.0	226.5

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	262.2	261.7	261.2	260.7	260.5	260.3	260.0	259.7	259.4	259.1	259.4
115°	296.3	296.2	296.0	295.9	295.8	295.6	295.1	294.6	294.1	293.6	294.1
117.5°	329.8	329.3	328.8	328.3	328.1	327.9	327.4	326.9	326.4	325.9	326.4
120°	362.6	362.6	362.6	362.6	362.6	362.4	361.9	361.4	360.9	360.4	360.9
122.5°	397.3	396.8	396.3	395.8	395.6	395.4	395.1	394.8	394.4	394.1	394.4
125°	431.0	430.5	430.0	429.5	429.3	429.2	429.1	428.9	428.8	428.6	428.8
127.5°	463.9	463.3	462.6	461.9	461.6	461.4	460.9	460.4	459.9	459.4	459.9
130°	497.3	496.9	496.6	496.3	496.1	495.8	495.1	494.5	493.8	493.2	493.8
132.5°	530.6	529.8	528.9	528.1	527.7	527.5	527.0	526.5	526.0	525.5	526.0
135°	562.0	561.9	561.7	561.6	561.5	561.3	560.8	560.3	559.8	559.3	559.8
137.5°	592.8	592.7	592.5	592.4	592.3	592.0	591.3	590.6	590.0	589.3	590.0
140°	623.8	623.8	623.8	623.8	623.8	623.5	622.8	622.2	621.5	620.9	621.5
142.5°	651.9	652.1	652.2	652.4	652.5	652.2	651.5	650.8	650.2	649.5	650.2
145°	680.6	680.7	680.9	681.0	681.1	680.8	680.1	679.4	678.8	678.1	678.8
147.5°	705.6	706.0	706.3	706.6	706.8	706.5	705.8	705.1	704.5	703.8	704.5
150°	729.3	729.8	730.3	730.8	731.0	730.8	730.3	729.8	729.3	728.8	729.3
152.5°	752.9	753.6	754.2	754.9	755.2	754.9	754.2	753.6	752.9	752.3	752.9
155°	772.2	773.0	773.8	774.6	775.0	774.8	774.3	773.8	773.3	772.8	773.3
157.5°	790.8	792.0	793.1	794.2	794.8	794.4	793.6	792.8	792.0	791.2	792.0
160°	807.6	808.6	809.5	810.5	811.0	810.7	810.0	809.4	808.7	808.1	808.7
162.5°	822.4	823.6	824.7	825.8	826.4	826.0	825.2	824.3	823.5	822.7	823.5
165°	834.9	836.0	837.2	838.3	838.9	838.5	837.7	836.8	836.0	835.2	836.0
167.5°	845.9	847.0	848.2	849.3	849.9	849.5	848.7	847.8	847.0	846.2	847.0
170°	854.7	855.9	857.0	858.1	858.7	858.2	857.2	856.3	855.3	854.3	855.3
172.5°	861.3	862.5	863.6	864.7	865.3	864.8	863.8	862.9	861.9	860.9	861.9
175°	865.7	866.9	868.0	869.1	869.7	869.2	868.2	867.3	866.3	865.3	866.3
177.5°	868.5	869.5	870.4	871.4	871.9	871.4	870.4	869.5	868.5	867.5	868.5
180°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	986.3	981.3	977.0	977.7	981.3	978.4	971.3	962.0	958.4	954.1	958.4
5°	1045.7	1041.4	1032.8	1033.5	1031.4	1028.5	1017.1	1002.8	1002.8	991.3	989.9
7.5°	1104.3	1097.9	1092.2	1090.7	1082.9	1077.1	1067.1	1047.1	1039.2	1025.6	1017.8
10°	1170.1	1165.1	1158.7	1150.8	1146.5	1136.5	1120.1	1090.7	1076.4	1057.8	1044.2
12.5°	1236.6	1235.9	1221.6	1205.9	1205.2	1189.4	1178.0	1138.6	1119.3	1094.3	1062.1
15°	1278.8	1275.3	1267.4	1259.5	1261.7	1244.5	1218.8	1172.3	1159.4	1129.3	1095.0
17.5°	1278.1	1278.1	1276.0	1274.5	1272.4	1267.4	1253.1	1222.3	1201.6	1163.7	1131.5
20°	1237.3	1246.6	1248.8	1248.1	1255.2	1258.8	1258.1	1238.8	1222.3	1188.7	1155.8
22.5°	1155.8	1177.3	1186.6	1192.3	1207.3	1215.2	1233.8	1226.6	1222.3	1197.3	1169.4
25°	1080.0	1087.2	1115.0	1116.5	1137.2	1156.5	1175.1	1187.3	1203.0	1193.7	1170.1
27.5°	982.0	998.5	1018.5	1033.5	1037.8	1077.1	1107.9	1130.8	1166.5	1169.4	1161.5
30°	871.2	879.0	911.9	931.9	954.8	983.4	1027.8	1067.1	1099.3	1128.6	1138.6
32.5°	736.0	768.2	787.5	811.8	831.8	882.6	937.0	987.7	1024.9	1074.3	1095.7
35°	612.2	637.3	670.2	680.2	716.7	759.6	830.4	895.5	952.0	1002.0	1045.7
37.5°	510.0	530.0	565.0	580.8	602.2	657.3	716.7	797.5	865.4	926.9	981.3
40°	439.9	454.9	481.4	486.4	504.2	554.3	602.2	678.0	768.2	851.1	910.5
42.5°	391.9	399.1	417.0	423.4	434.9	468.5	511.4	582.9	666.6	752.4	836.1
45°	357.6	362.6	373.4	379.1	393.4	408.4	443.4	500.7	566.5	653.0	743.1
47.5°	326.9	333.3	337.6	341.2	349.0	365.5	388.4	430.6	493.5	572.9	660.2
50°	301.1	303.3	311.1	311.8	316.8	327.6	349.0	374.8	424.8	489.2	573.6
52.5°	275.4	277.5	282.5	287.5	289.7	298.3	312.6	334.0	371.2	422.0	497.1
55°	249.6	252.5	257.5	261.1	263.2	270.4	278.9	299.7	329.0	364.8	426.3
57.5°	223.9	230.3	231.7	233.9	237.5	245.3	253.2	265.4	288.2	321.1	366.2
60°	199.5	201.7	206.7	208.8	212.4	216.7	226.7	236.0	252.5	278.2	319.0
62.5°	174.5	179.5	181.7	183.8	186.7	191.7	198.1	208.1	222.4	243.2	275.4
65°	153.1	153.8	158.1	160.9	163.8	167.4	173.8	183.1	191.7	211.0	234.6
67.5°	132.3	133.7	135.2	138.0	141.6	145.2	150.9	155.9	166.6	179.5	198.1
70°	112.3	112.3	115.9	118.0	117.3	121.6	125.9	131.6	139.5	151.6	166.6
72.5°	94.4	93.7	96.6	97.3	98.7	101.6	104.4	110.1	114.4	123.7	135.2
75°	75.1	76.5	78.0	78.0	80.1	82.3	85.1	88.0	93.0	98.7	107.3
77.5°	59.4	59.4	60.8	61.5	63.7	62.9	65.8	68.7	72.2	77.2	83.7
80°	43.6	45.1	45.1	45.1	45.8	46.5	49.4	51.5	53.6	57.2	60.1
82.5°	30.8	30.8	32.2	32.2	32.2	33.6	33.6	34.3	35.8	37.9	40.1
85°	19.3	19.3	19.3	20.0	19.3	20.0	21.5	20.7	21.5	22.9	22.9
87.5°	9.3	9.3	9.3	9.3	9.3	10.0	9.3	10.0	10.7	10.7	10.7
90°	24.6	24.5	24.3	24.2	24.4	24.7	25.0	25.4	25.7	22.1	18.5
92.5°	23.5	23.5	23.5	23.5	23.4	23.3	23.1	23.0	22.8	22.6	22.4
95°	46.2	46.5	46.8	47.0	47.0	47.0	47.0	47.0	47.0	46.7	46.3
97.5°	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	72.8	72.1
100°	100.9	101.0	101.2	101.3	101.3	101.3	101.3	101.3	101.3	100.8	100.3
102.5°	131.7	131.9	132.0	132.1	132.0	131.9	131.7	131.6	131.4	130.7	130.1
105°	162.9	162.9	162.9	162.9	162.7	162.4	162.1	161.8	161.5	161.2	160.8
107.5°	193.2	194.0	194.8	195.2	195.1	195.0	194.8	194.7	194.5	194.5	194.5
110°	227.0	227.5	228.0	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	259.7	260.0	260.3	260.5	260.7	261.2	261.7	262.2	262.7	262.9	263.1
115°	294.6	295.1	295.6	295.8	295.9	296.0	296.2	296.3	296.5	296.8	297.2
117.5°	326.9	327.4	327.9	328.1	328.3	328.8	329.3	329.8	330.3	331.1	331.9
120°	361.4	361.9	362.4	362.6	362.6	362.6	362.6	362.6	362.6	363.9	365.2
122.5°	394.8	395.1	395.4	395.6	395.8	396.3	396.8	397.3	397.8	398.6	399.4
125°	428.9	429.1	429.2	429.3	429.5	430.0	430.5	431.0	431.5	432.0	432.5
127.5°	460.4	460.9	461.4	461.6	461.9	462.6	463.3	463.9	464.6	465.2	465.9
130°	494.5	495.1	495.8	496.1	496.3	496.6	496.9	497.3	497.6	497.9	498.3
132.5°	526.5	527.0	527.5	527.7	528.1	528.9	529.8	530.6	531.4	531.2	531.0
135°	560.3	560.8	561.3	561.5	561.6	561.7	561.9	562.0	562.2	561.9	561.5
137.5°	590.6	591.3	592.0	592.3	592.4	592.5	592.7	592.8	593.0	592.7	592.3
140°	622.2	622.8	623.5	623.8	623.8	623.8	623.8	623.8	623.8	623.0	622.2
142.5°	650.8	651.5	652.2	652.5	652.4	652.2	652.1	651.9	651.7	651.2	650.7
145°	679.4	680.1	680.8	681.1	681.0	680.9	680.7	680.6	680.4	679.4	678.4
147.5°	705.1	705.8	706.5	706.8	706.6	706.3	706.0	705.6	705.3	704.7	704.0
150°	729.8	730.3	730.8	731.0	730.8	730.3	729.8	729.3	728.8	728.2	727.5
152.5°	753.6	754.2	754.9	755.2	754.9	754.2	753.6	752.9	752.3	751.5	750.7
155°	773.8	774.3	774.8	775.0	774.6	773.8	773.0	772.2	771.4	770.9	770.4
157.5°	792.8	793.6	794.4	794.8	794.2	793.1	792.0	790.8	789.7	789.4	789.0
160°	809.4	810.0	810.7	811.0	810.5	809.5	808.6	807.6	806.6	806.4	806.3
162.5°	824.3	825.2	826.0	826.4	825.8	824.7	823.6	822.4	821.3	821.1	820.9
165°	836.8	837.7	838.5	838.9	838.3	837.2	836.0	834.9	833.7	833.7	833.7
167.5°	847.8	848.7	849.5	849.9	849.3	848.2	847.0	845.9	844.7	844.7	844.7
170°	856.3	857.2	858.2	858.7	858.1	857.0	855.9	854.7	853.6	853.8	853.9
172.5°	862.9	863.8	864.8	865.3	864.7	863.6	862.5	861.3	860.2	860.4	860.5
175°	867.3	868.2	869.2	869.7	869.1	868.0	866.9	865.7	864.6	864.9	865.2
177.5°	869.5	870.4	871.4	871.9	871.4	870.4	869.5	868.5	867.5	867.8	868.2
180°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	954.8	951.3	949.1	950.5	946.3	935.5	935.5	939.1	934.8	930.5	924.1
5°	981.3	974.1	969.9	969.1	959.1	942.0	938.4	934.8	925.5	915.5	904.8
7.5°	1007.0	994.2	987.0	982.0	967.7	945.5	936.2	928.4	913.3	898.3	884.7
10°	1028.5	1009.9	1001.3	993.5	974.9	947.0	931.9	917.6	898.3	879.0	861.9
12.5°	1045.7	1024.2	1013.5	1002.0	979.2	942.7	924.1	901.2	881.9	856.1	839.0
15°	1074.3	1029.9	1019.9	1009.2	985.6	935.5	912.6	886.9	860.4	826.1	807.5
17.5°	1097.2	1037.8	1037.1	1014.2	983.4	932.7	897.6	864.0	835.4	801.1	771.7
20°	1110.8	1050.0	1038.5	1014.9	976.3	913.3	876.9	839.7	808.9	767.4	738.1
22.5°	1122.2	1067.1	1037.1	1008.5	961.3	906.9	853.3	818.2	776.0	731.0	703.1
25°	1126.5	1070.7	1039.2	1006.3	950.5	888.3	827.5	789.6	742.4	701.6	663.7
27.5°	1127.2	1070.0	1031.4	997.0	935.5	864.0	801.8	761.7	709.5	662.3	624.4
30°	1120.1	1062.1	1027.1	989.9	921.2	841.8	770.3	726.0	670.2	623.0	583.6
32.5°	1098.6	1046.4	1017.8	977.0	902.6	811.1	740.3	690.9	632.3	585.8	547.9
35°	1062.8	1027.1	995.6	957.7	878.3	782.5	710.2	652.3	592.9	548.6	512.8
37.5°	1018.5	999.2	969.9	932.7	850.4	756.7	676.6	612.2	552.9	510.0	474.9
40°	958.4	963.4	934.8	901.2	817.5	721.7	633.0	571.5	515.7	475.6	441.3
42.5°	893.3	914.1	897.6	865.4	781.0	683.0	600.8	532.8	478.5	437.0	408.4
45°	823.2	859.0	849.0	825.4	743.1	642.3	555.0	489.2	441.3	401.2	376.2
47.5°	746.7	797.5	797.5	780.3	700.9	601.5	515.7	448.4	401.2	372.6	348.3
50°	668.7	726.0	735.3	723.8	653.7	555.0	467.8	407.0	366.2	338.3	320.4
52.5°	587.2	653.7	670.9	665.2	603.7	510.7	428.4	369.1	331.9	307.5	291.8
55°	509.2	586.5	605.1	607.2	550.0	462.0	384.8	332.6	296.8	280.4	266.8
57.5°	435.6	510.0	530.7	534.3	495.7	417.7	344.0	298.3	266.1	252.5	241.7
60°	372.6	434.9	462.0	469.9	436.3	366.2	306.1	261.8	237.5	224.6	214.6
62.5°	321.1	371.2	399.8	402.0	386.9	321.1	266.8	229.6	208.8	197.4	192.4
65°	271.1	316.1	333.3	341.9	329.7	278.2	230.3	199.5	183.1	173.1	168.1
67.5°	231.0	259.6	273.9	285.4	273.2	234.6	196.0	170.9	158.8	148.8	145.9
70°	189.5	213.1	223.9	235.3	224.6	195.3	167.4	144.5	133.7	125.9	122.3
72.5°	151.6	170.2	180.2	187.4	181.0	156.6	133.7	118.0	110.1	104.4	102.3
75°	120.2	133.0	138.8	143.8	140.9	122.3	108.0	95.1	88.0	83.0	81.5
77.5°	91.5	100.8	107.3	108.7	105.1	93.0	80.8	73.0	67.2	64.4	62.9
80°	65.1	70.8	74.4	76.5	73.0	67.9	59.4	53.6	48.6	45.1	44.3
82.5°	43.6	46.5	49.4	48.6	47.2	42.9	37.9	35.0	32.9	30.0	30.0
85°	25.0	25.7	27.2	27.9	27.2	24.3	21.5	20.0	18.6	16.5	16.5
87.5°	10.7	11.4	11.4	12.2	10.7	10.7	9.3	7.9	7.9	7.2	6.4
90°	14.9	11.3	9.5	8.5	6.6	4.6	2.7	0.7	2.7	4.6	6.6
92.5°	22.3	22.1	22.0	21.3	20.0	18.7	17.4	16.1	17.4	18.7	20.0
95°	46.0	45.7	45.5	44.7	43.1	41.4	39.8	38.2	39.8	41.4	43.1
97.5°	71.5	70.8	70.5	69.8	68.3	66.8	65.4	63.9	65.4	66.8	68.3
100°	99.8	99.3	99.1	98.4	97.1	95.8	94.5	93.2	94.5	95.8	97.1
102.5°	129.4	128.7	128.4	127.9	126.9	126.0	125.0	124.0	125.0	126.0	126.9
105°	160.5	160.2	160.0	159.8	159.3	158.8	158.3	157.8	158.3	158.8	159.3
107.5°	194.5	194.5	194.5	194.2	193.5	192.9	192.2	191.6	192.2	192.9	193.5
110°	228.3	228.3	228.3	227.8	226.8	225.8	224.8	223.8	224.8	225.8	226.8

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	263.2	263.4	263.5	263.0	262.0	261.1	260.1	259.1	260.1	261.1	262.0
115°	297.5	297.8	298.0	297.5	296.5	295.6	294.6	293.6	294.6	295.6	296.5
117.5°	332.7	333.5	333.9	333.3	332.0	330.7	329.4	328.1	329.4	330.7	332.0
120°	366.5	367.8	368.4	367.8	366.5	365.2	363.9	362.6	363.9	365.2	366.5
122.5°	400.3	401.1	401.5	400.7	399.0	397.4	395.7	394.1	395.7	397.4	399.0
125°	433.0	433.5	433.8	433.1	431.6	430.1	428.6	427.1	428.6	430.1	431.6
127.5°	466.5	467.2	467.5	466.6	464.8	463.0	461.2	459.4	461.2	463.0	464.8
130°	498.6	498.9	499.1	498.0	495.9	493.8	491.6	489.5	491.6	493.8	495.9
132.5°	530.9	530.7	530.6	529.8	528.2	526.5	524.9	523.3	524.9	526.5	528.2
135°	561.2	560.9	560.7	559.8	558.0	556.2	554.4	552.6	554.4	556.2	558.0
137.5°	592.0	591.7	591.5	590.8	589.3	587.8	586.4	584.9	586.4	587.8	589.3
140°	621.4	620.6	620.2	619.5	618.0	616.5	615.1	613.6	615.1	616.5	618.0
142.5°	650.2	649.7	649.5	648.8	647.3	645.8	644.4	642.9	644.4	645.8	647.3
145°	677.4	676.4	675.9	675.3	674.2	673.1	671.9	670.8	671.9	673.1	674.2
147.5°	703.4	702.7	702.4	701.7	700.2	698.7	697.3	695.8	697.3	698.7	700.2
150°	726.9	726.2	725.9	725.4	724.4	723.4	722.4	721.4	722.4	723.4	724.4
152.5°	749.8	749.0	748.6	748.1	747.1	746.2	745.2	744.2	745.2	746.2	747.1
155°	769.9	769.4	769.2	769.0	768.5	768.0	767.5	767.0	767.5	768.0	768.5
157.5°	788.7	788.4	788.2	788.0	787.7	787.4	787.1	786.8	787.1	787.4	787.7
160°	806.1	806.0	805.9	805.7	805.4	805.1	804.7	804.4	804.7	805.1	805.4
162.5°	820.8	820.6	820.5	820.5	820.5	820.5	820.5	820.5	820.5	820.5	820.5
165°	833.7	833.7	833.7	833.8	834.0	834.1	834.3	834.5	834.3	834.1	834.0
167.5°	844.7	844.7	844.7	845.0	845.5	846.0	846.5	847.0	846.5	846.0	845.5
170°	854.1	854.2	854.3	854.5	855.0	855.5	856.0	856.5	856.0	855.5	855.0
172.5°	860.7	860.8	860.9	861.1	861.6	862.1	862.6	863.1	862.6	862.1	861.6
175°	865.5	865.8	866.0	866.2	866.7	867.2	867.7	868.2	867.7	867.2	866.7
177.5°	868.5	868.8	869.0	869.2	869.7	870.2	870.7	871.2	870.7	870.2	869.7
180°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	920.5	924.1	923.4	916.2	908.3	901.9	889.7	891.2	886.9	887.6	891.9
5°	897.6	897.6	894.8	884.7	871.9	864.7	851.1	847.5	839.0	838.3	837.5
7.5°	873.3	869.7	866.1	851.8	836.1	824.7	806.1	801.8	793.2	787.5	784.6
10°	844.7	839.7	832.5	816.1	796.8	782.5	763.2	757.4	741.0	733.8	729.5
12.5°	813.2	810.4	798.9	785.3	753.9	738.1	710.2	715.9	699.5	685.2	683.0
15°	781.7	771.0	764.6	742.4	704.5	697.3	675.2	663.7	648.7	637.3	637.3
17.5°	751.0	734.5	720.2	696.6	668.7	648.7	632.3	626.5	607.9	596.5	594.4
20°	710.2	691.6	688.1	654.4	635.1	613.0	597.2	582.9	569.3	564.3	560.7
22.5°	671.6	650.1	644.4	615.8	596.5	574.3	558.6	548.6	538.6	535.0	528.6
25°	630.1	617.2	608.7	577.9	556.4	535.7	525.0	517.8	508.5	507.8	503.5
27.5°	590.1	577.9	569.3	540.0	524.3	505.0	496.4	488.5	483.5	481.4	479.2
30°	555.7	542.1	532.1	510.7	491.4	475.6	468.5	463.5	460.6	457.0	456.3
32.5°	517.8	510.0	496.4	479.9	464.9	449.9	445.6	442.0	437.7	436.3	435.6
35°	485.6	474.9	466.3	447.7	441.3	428.4	423.4	420.6	414.8	413.4	412.0
37.5°	454.2	444.2	434.9	423.4	411.3	404.1	401.2	397.0	394.1	394.8	393.4
40°	422.7	414.8	407.7	395.5	388.4	384.8	379.1	374.8	373.4	374.1	373.4
42.5°	391.9	384.8	380.5	371.2	364.1	360.5	356.9	352.6	354.8	354.8	356.9
45°	364.1	357.6	354.8	347.6	343.3	337.6	334.0	333.3	336.2	335.4	335.4
47.5°	335.4	333.3	329.7	323.3	317.6	314.0	313.3	313.3	316.1	317.6	316.8
50°	313.3	309.0	304.7	299.7	295.4	294.0	291.8	293.2	296.1	296.1	297.5
52.5°	285.4	282.5	281.1	276.8	273.9	273.9	273.9	274.6	276.8	278.9	278.2
55°	261.1	258.9	257.5	255.3	251.8	252.5	251.8	253.2	255.3	257.5	258.9
57.5°	235.3	234.6	233.2	229.6	229.6	228.9	231.0	231.7	235.3	236.7	238.9
60°	212.4	210.3	210.3	207.4	207.4	207.4	209.6	211.7	214.6	215.3	216.7
62.5°	188.1	188.1	187.4	185.2	185.2	187.4	188.1	191.0	192.4	192.4	194.5
65°	165.2	164.5	163.8	164.5	165.2	165.2	167.4	168.8	170.2	170.9	171.7
67.5°	142.3	141.6	143.0	142.3	143.8	146.6	145.9	148.1	150.2	150.2	150.9
70°	120.9	122.3	121.6	123.0	122.3	123.7	125.9	126.6	126.6	127.3	129.5
72.5°	100.8	100.8	100.8	100.1	100.8	102.3	103.7	104.4	105.9	106.6	108.7
75°	81.5	81.5	80.1	81.5	81.5	83.0	84.4	84.4	84.4	85.8	88.0
77.5°	61.5	62.2	61.5	62.9	62.9	63.7	65.1	64.4	65.8	66.5	67.2
80°	45.1	44.3	44.3	44.3	45.1	45.1	46.5	47.2	47.2	49.4	47.9
82.5°	28.6	29.3	28.6	29.3	29.3	30.0	29.3	30.0	30.8	32.2	31.5
85°	16.5	15.7	15.7	16.5	15.7	15.7	16.5	15.7	16.5	15.7	16.5
87.5°	6.4	5.7	5.7	5.7	5.7	5.0	5.0	4.3	4.3	4.3	3.6
90°	8.5	9.5	11.3	14.9	18.5	22.1	25.7	25.4	25.0	24.7	24.4
92.5°	21.3	22.0	22.1	22.3	22.4	22.6	22.8	23.0	23.1	23.3	23.4
95°	44.7	45.5	45.7	46.0	46.3	46.7	47.0	47.0	47.0	47.0	47.0
97.5°	69.8	70.5	70.8	71.5	72.1	72.8	73.4	73.4	73.4	73.4	73.4
100°	98.4	99.1	99.3	99.8	100.3	100.8	101.3	101.3	101.3	101.3	101.3
102.5°	127.9	128.4	128.7	129.4	130.1	130.7	131.4	131.6	131.7	131.9	132.0
105°	159.8	160.0	160.2	160.5	160.8	161.2	161.5	161.8	162.1	162.4	162.7
107.5°	194.2	194.5	194.5	194.5	194.5	194.5	194.5	194.7	194.8	195.0	195.1
110°	227.8	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	263.0	263.5	263.4	263.2	263.1	262.9	262.7	262.2	261.7	261.2	260.7
115°	297.5	298.0	297.8	297.5	297.2	296.8	296.5	296.3	296.2	296.0	295.9
117.5°	333.3	333.9	333.5	332.7	331.9	331.1	330.3	329.8	329.3	328.8	328.3
120°	367.8	368.4	367.8	366.5	365.2	363.9	362.6	362.6	362.6	362.6	362.6
122.5°	400.7	401.5	401.1	400.3	399.4	398.6	397.8	397.3	396.8	396.3	395.8
125°	433.1	433.8	433.5	433.0	432.5	432.0	431.5	431.0	430.5	430.0	429.5
127.5°	466.6	467.5	467.2	466.5	465.9	465.2	464.6	463.9	463.3	462.6	461.9
130°	498.0	499.1	498.9	498.6	498.3	497.9	497.6	497.3	496.9	496.6	496.3
132.5°	529.8	530.6	530.7	530.9	531.0	531.2	531.4	530.6	529.8	528.9	528.1
135°	559.8	560.7	560.9	561.2	561.5	561.9	562.2	562.0	561.9	561.7	561.6
137.5°	590.8	591.5	591.7	592.0	592.3	592.7	593.0	592.8	592.7	592.5	592.4
140°	619.5	620.2	620.6	621.4	622.2	623.0	623.8	623.8	623.8	623.8	623.8
142.5°	648.8	649.5	649.7	650.2	650.7	651.2	651.7	651.9	652.1	652.2	652.4
145°	675.3	675.9	676.4	677.4	678.4	679.4	680.4	680.6	680.7	680.9	681.0
147.5°	701.7	702.4	702.7	703.4	704.0	704.7	705.3	705.6	706.0	706.3	706.6
150°	725.4	725.9	726.2	726.9	727.5	728.2	728.8	729.3	729.8	730.3	730.8
152.5°	748.1	748.6	749.0	749.8	750.7	751.5	752.3	752.9	753.6	754.2	754.9
155°	769.0	769.2	769.4	769.9	770.4	770.9	771.4	772.2	773.0	773.8	774.6
157.5°	788.0	788.2	788.4	788.7	789.0	789.4	789.7	790.8	792.0	793.1	794.2
160°	805.7	805.9	806.0	806.1	806.3	806.4	806.6	807.6	808.6	809.5	810.5
162.5°	820.5	820.5	820.6	820.8	820.9	821.1	821.3	822.4	823.6	824.7	825.8
165°	833.8	833.7	833.7	833.7	833.7	833.7	833.7	834.9	836.0	837.2	838.3
167.5°	845.0	844.7	844.7	844.7	844.7	844.7	844.7	845.9	847.0	848.2	849.3
170°	854.5	854.3	854.2	854.1	853.9	853.8	853.6	854.7	855.9	857.0	858.1
172.5°	861.1	860.9	860.8	860.7	860.5	860.4	860.2	861.3	862.5	863.6	864.7
175°	866.2	866.0	865.8	865.5	865.2	864.9	864.6	865.7	866.9	868.0	869.1
177.5°	869.2	869.0	868.8	868.5	868.2	867.8	867.5	868.5	869.5	870.4	871.4
180°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	886.9	889.0	884.0	882.6	884.0	879.0	880.4	881.9	881.9	884.0	885.5
5°	835.4	832.5	827.5	826.1	824.7	826.8	825.4	827.5	828.2	833.2	834.0
7.5°	784.6	780.3	776.0	771.7	770.3	766.7	770.3	770.3	775.3	773.9	777.5
10°	724.5	723.8	718.1	715.9	713.1	707.4	715.2	713.1	716.7	723.1	724.5
12.5°	680.2	672.3	675.9	665.9	669.5	663.7	664.4	664.4	670.2	670.9	669.5
15°	638.0	631.5	622.3	618.0	615.8	613.0	622.3	623.0	618.7	628.7	625.1
17.5°	595.1	595.1	586.5	584.3	578.6	581.5	580.1	580.8	579.3	586.5	590.1
20°	557.9	554.3	551.4	552.2	545.0	543.6	542.1	543.6	548.6	553.6	555.0
22.5°	527.8	525.7	518.5	520.0	514.3	516.4	515.0	518.5	519.3	519.3	524.3
25°	499.2	496.4	497.1	494.2	492.1	492.1	489.9	492.1	494.9	496.4	497.1
27.5°	477.8	475.6	472.1	469.9	471.3	467.8	470.6	472.8	472.8	471.3	472.8
30°	452.0	453.5	453.5	446.3	449.2	447.7	449.9	451.3	451.3	452.0	450.6
32.5°	434.9	430.6	429.9	429.1	429.1	426.3	426.3	428.4	429.1	429.9	432.0
35°	412.0	412.0	408.4	410.5	407.7	408.4	407.7	408.4	409.8	407.7	409.8
37.5°	391.2	391.9	390.5	391.9	392.7	391.2	389.8	392.7	391.2	391.2	389.8
40°	373.4	372.6	373.4	373.4	373.4	374.1	372.6	372.6	372.6	371.2	369.8
42.5°	358.3	354.0	355.5	356.2	354.0	354.0	354.8	354.0	356.2	351.9	351.9
45°	336.9	335.4	336.2	336.2	337.6	335.4	336.9	337.6	335.4	334.7	333.3
47.5°	317.6	319.0	317.6	319.0	319.0	320.4	317.6	318.3	319.0	316.1	314.0
50°	298.3	298.3	300.4	299.7	300.4	299.0	299.0	298.3	299.0	297.5	295.4
52.5°	280.4	278.2	281.8	281.1	280.4	279.7	278.9	279.7	278.2	276.8	276.8
55°	258.2	258.2	260.3	261.1	261.1	259.6	258.2	258.9	258.2	257.5	256.8
57.5°	240.3	237.5	238.9	239.6	239.6	237.5	238.9	237.5	237.5	238.2	236.0
60°	217.4	217.4	216.0	218.1	218.1	216.7	216.7	217.4	216.0	215.3	214.6
62.5°	193.1	193.8	196.0	196.7	197.4	196.0	194.5	195.3	195.3	193.1	193.8
65°	172.4	173.8	176.7	175.9	174.5	175.2	173.8	174.5	172.4	173.1	170.9
67.5°	152.3	151.6	152.3	152.3	153.8	153.1	151.6	151.6	150.9	153.1	150.9
70°	130.9	130.9	130.9	130.9	131.6	132.3	130.9	129.5	130.2	128.7	128.0
72.5°	108.7	109.4	108.7	110.1	108.0	109.4	109.4	108.7	108.0	108.0	108.0
75°	88.0	89.4	87.3	88.0	87.3	88.7	88.0	88.0	86.5	85.8	86.5
77.5°	67.2	67.9	66.5	67.2	66.5	67.2	67.2	66.5	66.5	66.5	66.5
80°	47.9	48.6	47.9	47.2	46.5	47.9	46.5	47.2	47.9	47.2	48.6
82.5°	30.8	30.8	30.0	30.8	29.3	29.3	30.0	30.0	29.3	30.8	29.3
85°	15.0	15.0	16.5	15.0	14.3	14.3	14.3	15.0	14.3	15.7	15.0
87.5°	3.6	2.9	3.6	3.6	2.9	2.9	3.6	2.9	3.6	4.3	2.9
90°	24.2	24.3	24.5	24.6	24.8	25.0	24.8	24.6	24.5	24.3	24.2
92.5°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
95°	47.0	46.8	46.5	46.2	45.8	45.5	45.8	46.2	46.5	46.8	47.0
97.5°	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
100°	101.3	101.2	101.0	100.9	100.7	100.5	100.7	100.9	101.0	101.2	101.3
102.5°	132.1	132.0	131.9	131.7	131.6	131.4	131.6	131.7	131.9	132.0	132.1
105°	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9	162.9
107.5°	195.2	194.8	194.0	193.2	192.4	191.6	192.4	193.2	194.0	194.8	195.2
110°	228.3	228.0	227.5	227.0	226.5	226.0	226.5	227.0	227.5	228.0	228.3

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	260.5	260.3	260.0	259.7	259.4	259.1	259.4	259.7	260.0	260.3	260.5
115°	295.8	295.6	295.1	294.6	294.1	293.6	294.1	294.6	295.1	295.6	295.8
117.5°	328.1	327.9	327.4	326.9	326.4	325.9	326.4	326.9	327.4	327.9	328.1
120°	362.6	362.4	361.9	361.4	360.9	360.4	360.9	361.4	361.9	362.4	362.6
122.5°	395.6	395.4	395.1	394.8	394.4	394.1	394.4	394.8	395.1	395.4	395.6
125°	429.3	429.2	429.1	428.9	428.8	428.6	428.8	428.9	429.1	429.2	429.3
127.5°	461.6	461.4	460.9	460.4	459.9	459.4	459.9	460.4	460.9	461.4	461.6
130°	496.1	495.8	495.1	494.5	493.8	493.2	493.8	494.5	495.1	495.8	496.1
132.5°	527.7	527.5	527.0	526.5	526.0	525.5	526.0	526.5	527.0	527.5	527.7
135°	561.5	561.3	560.8	560.3	559.8	559.3	559.8	560.3	560.8	561.3	561.5
137.5°	592.3	592.0	591.3	590.6	590.0	589.3	590.0	590.6	591.3	592.0	592.3
140°	623.8	623.5	622.8	622.2	621.5	620.9	621.5	622.2	622.8	623.5	623.8
142.5°	652.5	652.2	651.5	650.8	650.2	649.5	650.2	650.8	651.5	652.2	652.5
145°	681.1	680.8	680.1	679.4	678.8	678.1	678.8	679.4	680.1	680.8	681.1
147.5°	706.8	706.5	705.8	705.1	704.5	703.8	704.5	705.1	705.8	706.5	706.8
150°	731.0	730.8	730.3	729.8	729.3	728.8	729.3	729.8	730.3	730.8	731.0
152.5°	755.2	754.9	754.2	753.6	752.9	752.3	752.9	753.6	754.2	754.9	755.2
155°	775.0	774.8	774.3	773.8	773.3	772.8	773.3	773.8	774.3	774.8	775.0
157.5°	794.8	794.4	793.6	792.8	792.0	791.2	792.0	792.8	793.6	794.4	794.8
160°	811.0	810.7	810.0	809.4	808.7	808.1	808.7	809.4	810.0	810.7	811.0
162.5°	826.4	826.0	825.2	824.3	823.5	822.7	823.5	824.3	825.2	826.0	826.4
165°	838.9	838.5	837.7	836.8	836.0	835.2	836.0	836.8	837.7	838.5	838.9
167.5°	849.9	849.5	848.7	847.8	847.0	846.2	847.0	847.8	848.7	849.5	849.9
170°	858.7	858.2	857.2	856.3	855.3	854.3	855.3	856.3	857.2	858.2	858.7
172.5°	865.3	864.8	863.8	862.9	861.9	860.9	861.9	862.9	863.8	864.8	865.3
175°	869.7	869.2	868.2	867.3	866.3	865.3	866.3	867.3	868.2	869.2	869.7
177.5°	871.9	871.4	870.4	869.5	868.5	867.5	868.5	869.5	870.4	871.4	871.9
180°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5	930.5
2.5°	883.3	889.0	886.9	879.0	888.3	888.3	894.8	894.8	902.6	905.5	909.8
5°	833.2	837.5	841.1	837.5	844.0	854.0	859.7	864.7	875.4	879.7	886.2
7.5°	779.6	787.5	791.0	791.0	801.8	813.2	824.7	831.8	846.8	852.6	859.0
10°	727.4	736.7	743.8	743.1	761.0	768.2	782.5	798.9	813.9	822.5	831.8
12.5°	672.3	677.3	687.3	701.6	705.9	718.8	735.3	756.0	783.2	791.0	804.6
15°	626.5	640.1	648.0	654.4	664.4	676.6	694.5	714.5	741.7	758.9	773.2
17.5°	587.9	605.8	610.8	609.4	622.3	640.8	661.6	676.6	700.9	721.7	735.3
20°	556.4	563.6	572.2	575.8	585.8	605.8	625.8	643.0	663.0	679.5	695.2
22.5°	525.0	530.7	537.9	544.3	552.2	563.6	582.9	604.4	623.7	639.4	657.3
25°	499.2	502.8	509.2	514.3	522.8	530.7	544.3	567.9	590.8	600.1	615.8
27.5°	474.2	477.1	481.4	487.1	491.4	499.2	511.4	530.7	554.3	563.6	585.1
30°	452.0	454.2	458.5	461.3	463.5	472.8	482.1	497.1	515.0	527.8	543.6
32.5°	431.3	433.4	437.7	438.4	441.3	446.3	454.9	468.5	484.2	494.9	508.5
35°	408.4	409.8	414.1	415.5	417.7	422.0	428.4	438.4	452.7	460.6	472.8
37.5°	390.5	389.8	392.7	394.8	397.7	399.8	402.0	412.0	422.7	429.9	439.2
40°	371.2	369.8	370.5	373.4	374.8	377.6	377.6	387.7	394.8	400.5	407.7
42.5°	351.9	351.2	349.7	351.2	352.6	353.3	354.0	361.2	368.3	373.4	381.2
45°	332.6	331.9	330.4	331.2	331.2	332.6	334.7	337.6	342.6	346.9	351.2
47.5°	314.7	313.3	311.1	310.4	311.8	311.8	311.8	314.7	319.7	321.1	325.4
50°	296.1	294.0	291.1	289.7	289.7	289.0	290.4	291.1	295.4	296.8	300.4
52.5°	276.1	274.6	271.8	268.9	269.6	268.2	268.9	269.6	271.1	273.2	275.4
55°	256.1	253.2	251.0	250.3	248.2	248.2	246.0	248.9	248.2	248.9	251.8
57.5°	236.7	233.9	230.3	228.9	226.7	226.0	224.6	223.9	224.6	226.7	228.9
60°	213.9	212.4	210.3	208.1	206.7	204.6	203.1	203.1	202.4	202.4	203.1
62.5°	191.7	191.0	188.1	187.4	186.0	184.5	182.4	181.0	181.0	182.4	183.1
65°	170.2	169.5	167.4	166.6	163.1	161.6	160.9	160.2	158.8	158.8	158.8
67.5°	150.2	148.1	148.1	144.5	141.6	140.2	138.8	138.0	138.0	138.0	138.8
70°	128.0	128.0	125.9	123.7	120.9	121.6	119.4	117.3	117.3	115.9	116.6
72.5°	106.6	105.9	103.7	103.0	100.8	98.7	97.3	98.7	96.6	95.8	96.6
75°	85.8	85.1	83.7	82.3	83.0	80.8	78.7	78.0	78.0	76.5	76.5
77.5°	65.8	67.2	64.4	63.7	62.2	60.8	60.1	59.4	59.4	59.4	60.8
80°	45.8	46.5	46.5	45.1	45.8	43.6	43.6	43.6	41.5	42.2	42.9
82.5°	29.3	29.3	28.6	29.3	28.6	28.6	27.9	27.9	27.2	27.2	27.9
85°	16.5	15.7	15.0	16.5	15.7	15.7	15.0	15.0	15.0	15.0	15.0
87.5°	3.6	4.3	4.3	4.3	4.3	5.0	5.0	5.0	5.7	5.7	5.7
90°	24.4	24.7	25.0	25.4	25.7	22.1	18.5	14.9	11.3	9.5	8.5
92.5°	23.4	23.3	23.1	23.0	22.8	22.6	22.4	22.3	22.1	22.0	21.3
95°	47.0	47.0	47.0	47.0	47.0	46.7	46.3	46.0	45.7	45.5	44.7
97.5°	73.4	73.4	73.4	73.4	73.4	72.8	72.1	71.5	70.8	70.5	69.8
100°	101.3	101.3	101.3	101.3	101.3	100.8	100.3	99.8	99.3	99.1	98.4
102.5°	132.0	131.9	131.7	131.6	131.4	130.7	130.1	129.4	128.7	128.4	127.9
105°	162.7	162.4	162.1	161.8	161.5	161.2	160.8	160.5	160.2	160.0	159.8
107.5°	195.1	195.0	194.8	194.7	194.5	194.5	194.5	194.5	194.5	194.5	194.2
110°	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	227.8

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	260.7	261.2	261.7	262.2	262.7	262.9	263.1	263.2	263.4	263.5	263.0
115°	295.9	296.0	296.2	296.3	296.5	296.8	297.2	297.5	297.8	298.0	297.5
117.5°	328.3	328.8	329.3	329.8	330.3	331.1	331.9	332.7	333.5	333.9	333.3
120°	362.6	362.6	362.6	362.6	362.6	363.9	365.2	366.5	367.8	368.4	367.8
122.5°	395.8	396.3	396.8	397.3	397.8	398.6	399.4	400.3	401.1	401.5	400.7
125°	429.5	430.0	430.5	431.0	431.5	432.0	432.5	433.0	433.5	433.8	433.1
127.5°	461.9	462.6	463.3	463.9	464.6	465.2	465.9	466.5	467.2	467.5	466.6
130°	496.3	496.6	496.9	497.3	497.6	497.9	498.3	498.6	498.9	499.1	498.0
132.5°	528.1	528.9	529.8	530.6	531.4	531.2	531.0	530.9	530.7	530.6	529.8
135°	561.6	561.7	561.9	562.0	562.2	561.9	561.5	561.2	560.9	560.7	559.8
137.5°	592.4	592.5	592.7	592.8	593.0	592.7	592.3	592.0	591.7	591.5	590.8
140°	623.8	623.8	623.8	623.8	623.8	623.0	622.2	621.4	620.6	620.2	619.5
142.5°	652.4	652.2	652.1	651.9	651.7	651.2	650.7	650.2	649.7	649.5	648.8
145°	681.0	680.9	680.7	680.6	680.4	679.4	678.4	677.4	676.4	675.9	675.3
147.5°	706.6	706.3	706.0	705.6	705.3	704.7	704.0	703.4	702.7	702.4	701.7
150°	730.8	730.3	729.8	729.3	728.8	728.2	727.5	726.9	726.2	725.9	725.4
152.5°	754.9	754.2	753.6	752.9	752.3	751.5	750.7	749.8	749.0	748.6	748.1
155°	774.6	773.8	773.0	772.2	771.4	770.9	770.4	769.9	769.4	769.2	769.0
157.5°	794.2	793.1	792.0	790.8	789.7	789.4	789.0	788.7	788.4	788.2	788.0
160°	810.5	809.5	808.6	807.6	806.6	806.4	806.3	806.1	806.0	805.9	805.7
162.5°	825.8	824.7	823.6	822.4	821.3	821.1	820.9	820.8	820.6	820.5	820.5
165°	838.3	837.2	836.0	834.9	833.7	833.7	833.7	833.7	833.7	833.7	833.8
167.5°	849.3	848.2	847.0	845.9	844.7	844.7	844.7	844.7	844.7	844.7	845.0
170°	858.1	857.0	855.9	854.7	853.6	853.8	853.9	854.1	854.2	854.3	854.5
172.5°	864.7	863.6	862.5	861.3	860.2	860.4	860.5	860.7	860.8	860.9	861.1
175°	869.1	868.0	866.9	865.7	864.6	864.9	865.2	865.5	865.8	866.0	866.2
177.5°	871.4	870.4	869.5	868.5	867.5	867.8	868.2	868.5	868.8	869.0	869.2
180°	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7	869.7

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	930.5	930.5	930.5	930.5
2.5°	913.3	913.3	924.1	935.5
5°	893.3	898.3	915.5	931.2
7.5°	874.0	882.6	904.1	924.1
10°	850.4	861.9	888.3	911.9
12.5°	827.5	838.3	869.0	895.5
15°	795.3	808.9	841.8	874.7
17.5°	763.2	776.7	816.8	855.4
20°	725.2	743.1	788.2	839.7
22.5°	690.2	712.4	762.4	803.9
25°	651.6	685.9	732.4	786.0
27.5°	617.2	651.6	698.8	753.1
30°	578.6	613.7	662.3	712.4
32.5°	541.4	573.6	620.8	682.3
35°	502.8	533.6	579.3	641.6
37.5°	467.8	497.8	547.9	605.1
40°	433.4	464.9	507.8	565.0
42.5°	401.2	429.1	467.8	525.0
45°	371.9	391.9	427.7	481.4
47.5°	341.2	359.0	391.9	445.6
50°	312.6	327.6	356.2	406.3
52.5°	284.7	297.5	324.0	364.1
55°	259.6	271.8	291.1	330.4
57.5°	233.9	243.2	261.8	293.2
60°	208.8	217.4	232.4	258.2
62.5°	183.8	191.0	205.3	226.0
65°	161.6	167.4	178.1	196.0
67.5°	140.2	143.8	152.3	166.6
70°	119.4	122.3	129.5	140.9
72.5°	97.3	100.1	108.0	115.9
75°	78.7	79.4	85.1	91.5
77.5°	61.5	60.8	65.1	70.1
80°	42.2	44.3	47.9	50.1
82.5°	28.6	29.3	30.8	32.2
85°	15.7	16.5	16.5	18.6
87.5°	6.4	7.2	7.2	7.9
90°	6.6	4.6	2.7	0.7
92.5°	20.0	18.7	17.4	16.1
95°	43.1	41.4	39.8	38.2
97.5°	68.3	66.8	65.4	63.9
100°	97.1	95.8	94.5	93.2
102.5°	126.9	126.0	125.0	124.0
105°	159.3	158.8	158.3	157.8
107.5°	193.5	192.9	192.2	191.6
110°	226.8	225.8	224.8	223.8

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	262.0	261.1	260.1	259.1
115°	296.5	295.6	294.6	293.6
117.5°	332.0	330.7	329.4	328.1
120°	366.5	365.2	363.9	362.6
122.5°	399.0	397.4	395.7	394.1
125°	431.6	430.1	428.6	427.1
127.5°	464.8	463.0	461.2	459.4
130°	495.9	493.8	491.6	489.5
132.5°	528.2	526.5	524.9	523.3
135°	558.0	556.2	554.4	552.6
137.5°	589.3	587.8	586.4	584.9
140°	618.0	616.5	615.1	613.6
142.5°	647.3	645.8	644.4	642.9
145°	674.2	673.1	671.9	670.8
147.5°	700.2	698.7	697.3	695.8
150°	724.4	723.4	722.4	721.4
152.5°	747.1	746.2	745.2	744.2
155°	768.5	768.0	767.5	767.0
157.5°	787.7	787.4	787.1	786.8
160°	805.4	805.1	804.7	804.4
162.5°	820.5	820.5	820.5	820.5
165°	834.0	834.1	834.3	834.5
167.5°	845.5	846.0	846.5	847.0
170°	855.0	855.5	856.0	856.5
172.5°	861.6	862.1	862.6	863.1
175°	866.7	867.2	867.7	868.2
177.5°	869.7	870.2	870.7	871.2
180°	869.7	869.7	869.7	869.7

TEST NUMBER: P998607

CATALOG NUMBER: SA2XXDIP-B485D725UB50-4F0-XX-W2A-A1

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.78	15.58	15.78	16.58	17.92	12.28	13.07	13.27	14.08	15.41
	3H	15.59	16.30	16.60	17.32	18.67	13.62	14.33	14.63	15.34	16.70
	4H	15.75	16.43	16.78	17.45	18.81	14.08	14.75	15.10	15.77	17.13
	6H	15.80	16.42	16.83	17.44	18.81	14.38	15.00	15.41	16.02	17.39
	8H	15.77	16.36	16.81	17.40	18.77	14.46	15.05	15.50	16.09	17.46
	12H	15.73	16.29	16.78	17.33	18.72	14.50	15.06	15.54	16.09	17.49
4H	2H	14.82	15.49	15.84	16.51	17.87	12.71	13.39	13.74	14.40	15.77
	3H	15.79	16.35	16.83	17.40	18.77	14.17	14.73	15.21	15.77	17.15
	4H	16.07	16.58	17.11	17.62	19.01	14.70	15.21	15.74	16.25	17.65
	6H	16.19	16.63	17.25	17.69	19.09	15.08	15.52	16.13	16.58	17.97
	8H	16.19	16.60	17.24	17.65	19.06	15.19	15.60	16.24	16.65	18.06
	12H	16.15	16.52	17.22	17.59	19.00	15.24	15.61	16.31	16.68	18.09
8H	4H	16.07	16.48	17.12	17.53	18.94	14.84	15.25	15.89	16.30	17.71
	6H	16.25	16.58	17.32	17.68	19.08	15.27	15.61	16.35	16.70	18.11
	8H	16.28	16.57	17.36	17.65	19.08	15.42	15.72	16.51	16.80	18.22
	12H	16.26	16.52	17.34	17.59	19.06	15.51	15.77	16.60	16.85	18.31
12H	4H	16.02	16.39	17.09	17.46	18.87	14.81	15.18	15.88	16.25	17.66
	6H	16.22	16.52	17.31	17.60	19.03	15.27	15.57	16.35	16.65	18.07
	8H	16.25	16.51	17.34	17.59	19.05	15.42	15.69	16.51	16.76	18.23