

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: P998668

Luminaire Tested: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P998668
REPORT IS A COMBINATION OF REPORTS P984411 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

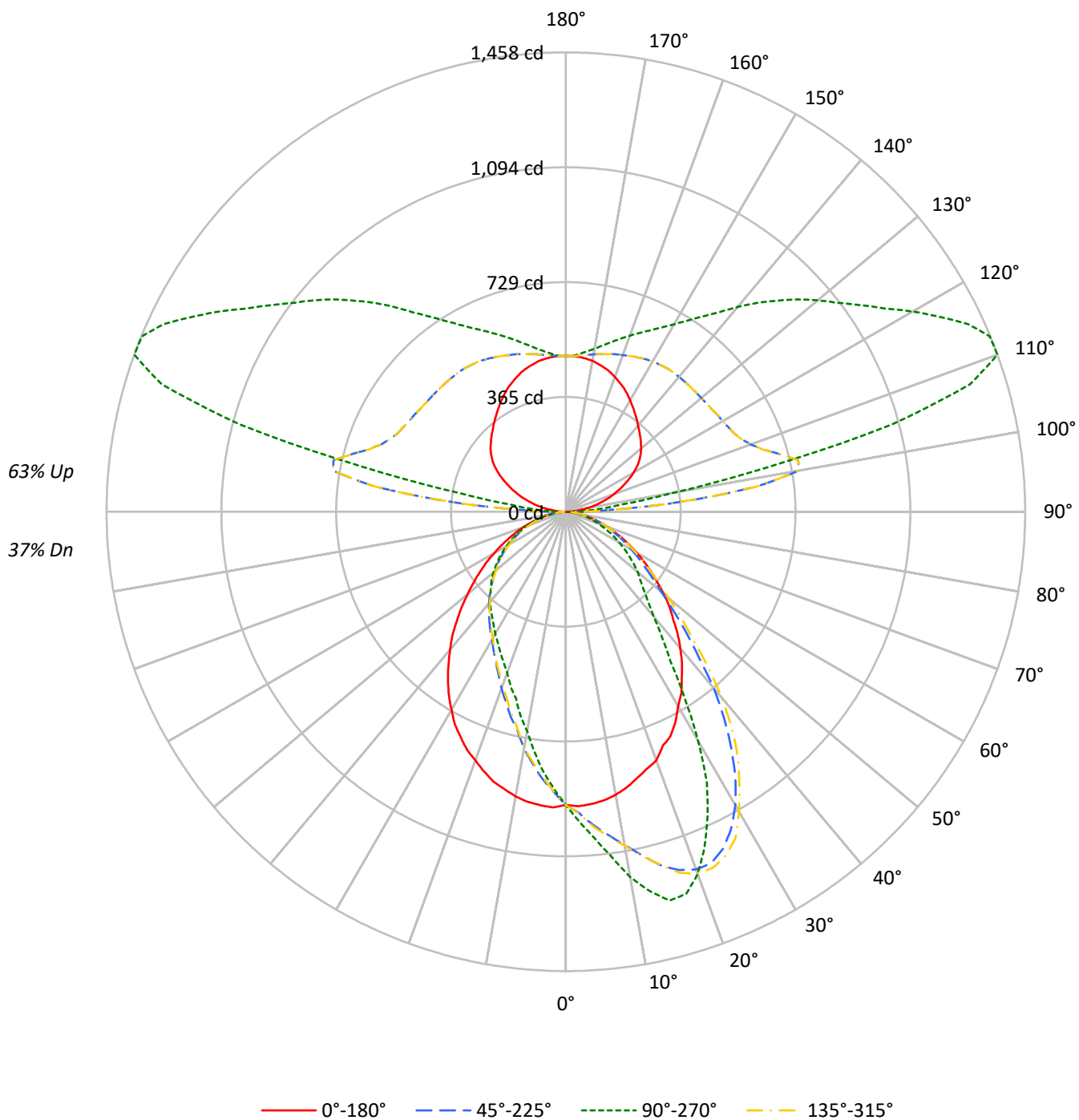
Lumens per Lamp: N/A
Luminaire Lumens: 5497.0 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 52.5
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

TEST NUMBER: P998668

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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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45
1	95	91	88	84	86	83	80	77	67	65	63	53	52	50	40	39	38
2	87	80	74	69	79	73	68	64	59	56	53	47	45	43	36	34	33
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28
4	73	63	55	49	66	57	51	46	47	42	39	38	34	31	29	26	25
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19
7	57	45	38	32	52	42	35	30	35	30	26	28	24	22	22	19	17
8	53	41	34	29	48	38	31	27	32	27	23	26	22	19	20	17	16
9	49	38	30	26	45	35	28	24	29	24	21	24	20	17	19	16	14
10	46	35	28	23	42	32	26	21	27	22	19	22	18	16	17	15	13

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	1.6
10°-20°	258.0	4.7
20°-30°	374.4	6.8
30°-40°	394.7	7.2
40°-50°	349.2	6.4
50°-60°	278.9	5.1
60°-70°	189.4	3.4
70°-80°	96.9	1.8
80°-90°	26.1	0.5
90°-100°	192.6	3.5
100°-110°	678.3	12.3
110°-120°	712.4	13.0
120°-130°	586.1	10.7
130°-140°	470.8	8.6
140°-150°	355.6	6.5
150°-160°	250.0	4.5
160°-170°	147.2	2.7
170°-180°	47.9	0.9
0°-30°	721.0	13.1
0°-40°	1115.7	20.3
0°-60°	1743.8	31.7
0°-90°	2056.2	37.4
90°-120°	1583.3	28.8
90°-150°	2995.8	54.5
90°-180°	3441.0	62.6
0°-180°	5497.0	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	31	1	31	1	3
95°	33	108	33	108	33	34
105°	116	1071	116	1071	116	123
115°	204	1409	204	1409	204	203
125°	285	1143	285	1143	285	253
135°	334	947	334	947	334	258
145°	382	756	382	756	382	240
155°	434	636	434	636	434	200
165°	473	558	473	558	473	133
175°	493	503	493	503	493	47
180°	494	494	494	494	494	

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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°	1.0	3.8	7.6	9.5	11.4	12.8	14.3	19.0	25.7	31.4	32.3
92.5°	14.3	20.0	27.6	32.3	39.9	45.2	50.4	76.0	112.1	144.4	146.3
95°	33.3	37.1	46.6	55.1	70.3	81.7	93.1	136.8	219.5	329.7	372.5
97.5°	49.4	55.1	65.6	77.9	95.0	107.8	120.7	176.7	291.7	469.4	607.2
100°	73.2	76.0	84.6	99.8	118.8	132.1	145.4	195.7	311.7	516.9	750.6
102.5°	95.0	96.9	105.5	120.7	140.6	153.9	167.2	212.8	312.6	498.8	755.4
105°	115.9	119.7	126.4	140.6	161.5	174.8	188.1	232.8	317.4	474.1	704.1
107.5°	138.7	141.6	148.2	161.5	182.4	195.7	209.0	252.7	327.8	460.8	656.6
110°	161.5	165.3	171.0	183.4	203.3	217.1	230.9	272.7	341.1	457.0	624.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	182.4	186.2	192.9	204.3	223.3	237.6	251.8	291.7	355.4	458.0	603.4
115°	204.3	209.0	214.7	226.1	245.1	258.0	270.8	311.7	369.6	461.8	589.1
117.5°	227.1	230.9	236.6	247.0	265.1	278.4	291.7	329.7	384.8	467.5	581.5
120°	248.0	251.8	257.5	266.0	285.0	298.4	311.7	348.7	400.0	473.2	574.8
122.5°	267.9	270.8	276.5	286.0	305.0	318.8	332.6	366.8	413.3	479.8	571.0
125°	285.0	287.9	293.6	305.0	324.0	337.3	350.6	384.8	427.6	486.5	566.3
127.5°	299.3	303.1	310.7	323.1	341.1	354.9	368.7	401.9	440.9	493.1	563.4
130°	311.7	315.5	325.0	338.3	357.3	370.6	383.9	417.1	453.2	500.7	561.5
132.5°	323.1	327.8	338.3	352.5	372.5	385.8	399.1	430.4	465.6	508.3	560.6
135°	334.5	338.3	349.7	363.9	385.8	399.1	412.4	442.8	476.0	514.0	559.6
137.5°	344.9	349.7	361.1	376.3	398.1	410.4	422.8	453.2	484.6	519.7	559.6
140°	357.3	361.1	372.5	387.7	408.6	421.0	433.3	461.8	491.2	523.5	558.7
142.5°	369.6	372.5	382.9	398.1	418.1	429.5	440.9	468.4	496.9	526.4	558.7
145°	382.0	385.8	395.3	409.5	428.5	439.0	449.4	475.1	501.7	528.3	556.8
147.5°	395.3	398.1	407.6	420.9	437.1	446.6	456.1	480.8	504.5	529.2	553.9
150°	408.6	411.4	419.0	431.4	445.6	454.2	462.7	484.6	506.4	528.3	551.1
152.5°	421.9	422.8	430.4	440.9	454.2	461.8	469.4	488.4	507.4	526.4	546.3
155°	434.2	435.2	440.9	451.3	461.8	468.9	476.0	492.2	508.3	524.5	540.6
157.5°	444.7	445.6	450.4	459.9	468.4	474.6	480.8	495.0	508.3	520.7	534.9
160°	455.1	456.1	459.9	467.5	475.1	480.3	485.5	496.9	508.3	517.8	529.2
162.5°	465.6	464.6	468.4	474.1	480.8	484.6	488.4	497.9	507.4	515.0	524.5
165°	473.2	472.2	474.1	479.8	484.6	487.4	490.3	498.8	505.5	511.2	517.8
167.5°	479.8	478.9	480.8	484.6	488.4	490.3	492.2	498.8	504.5	507.4	512.1
170°	486.5	484.6	485.5	488.4	490.3	491.7	493.1	497.9	502.6	504.5	507.4
172.5°	490.3	489.3	488.4	491.2	492.2	493.2	494.1	496.9	499.8	500.7	501.7
175°	493.1	492.2	491.2	493.1	493.1	493.6	494.1	496.0	497.9	496.9	497.9
177.5°	495.0	493.1	492.2	494.1	494.1	494.1	494.1	495.0	496.9	495.0	494.1
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

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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°	31.4	30.4	28.5	30.4	30.9	31.4	31.4	31.4	31.4	31.4	31.4
92.5°	122.6	96.0	81.7	71.3	67.5	63.7	62.7	58.9	59.9	58.0	59.9
95°	325.9	248.9	191.0	151.1	140.6	130.2	117.8	110.2	107.4	108.3	107.4
97.5°	611.9	509.3	406.7	310.7	282.2	253.7	216.6	197.6	187.2	181.5	187.2
100°	887.5	867.5	749.7	619.5	562.0	504.5	425.7	384.8	357.3	340.2	357.3
102.5°	990.1	1102.2	1098.4	1011.9	950.2	888.4	801.0	724.0	687.9	663.2	687.9
105°	956.8	1154.4	1261.8	1274.2	1258.5	1242.8	1183.9	1125.0	1084.1	1070.8	1084.1
107.5°	886.5	1098.4	1258.0	1351.1	1370.1	1389.1	1388.2	1379.6	1367.3	1345.4	1367.3
110°	820.9	1021.4	1191.5	1313.1	1352.0	1391.0	1431.9	1450.0	1458.5	1457.6	1458.5

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	775.3	951.1	1112.6	1244.7	1290.8	1336.9	1397.7	1430.9	1449.0	1455.7	1449.0
115°	739.2	896.0	1042.3	1166.8	1215.8	1264.7	1332.1	1375.8	1400.5	1409.1	1400.5
117.5°	714.5	850.4	981.5	1097.4	1144.0	1190.6	1259.9	1306.5	1332.1	1338.8	1332.1
120°	695.5	818.1	935.9	1036.6	1079.8	1123.1	1189.6	1234.3	1261.8	1271.3	1261.8
122.5°	679.4	792.4	897.9	992.0	1030.0	1068.0	1125.9	1169.7	1193.4	1201.0	1193.4
125°	664.2	767.7	865.6	949.2	984.8	1020.5	1075.6	1111.7	1135.4	1143.0	1135.4
127.5°	649.9	743.0	833.3	913.1	946.4	979.6	1028.1	1062.3	1083.2	1088.9	1083.2
130°	635.7	719.3	801.0	876.1	907.4	938.8	985.3	1017.6	1036.6	1044.2	1036.6
132.5°	624.3	696.5	770.6	838.0	867.0	896.0	941.6	973.9	991.0	997.7	991.0
135°	613.8	675.6	738.3	801.0	827.6	854.2	895.1	926.4	943.5	947.3	943.5
137.5°	606.2	658.5	712.6	763.9	787.6	811.4	850.4	878.0	893.2	898.9	893.2
140°	599.6	642.3	687.9	731.6	752.5	773.4	803.8	828.5	842.8	848.5	842.8
142.5°	592.9	629.0	666.1	702.2	718.8	735.4	763.9	785.8	798.1	798.1	798.1
145°	587.2	616.7	648.0	677.5	691.2	705.0	727.8	744.0	753.5	756.3	753.5
147.5°	581.5	607.2	632.8	656.6	667.0	677.5	697.4	710.7	717.4	719.3	717.4
150°	573.9	596.7	617.6	637.6	646.2	654.7	668.9	680.3	686.0	687.0	686.0
152.5°	567.2	586.3	605.3	621.4	628.6	635.7	646.1	655.6	659.4	659.4	659.4
155°	558.7	576.7	592.0	606.2	611.4	616.7	627.1	633.8	637.6	635.7	637.6
157.5°	551.1	565.3	578.7	591.0	595.3	599.6	607.2	612.9	614.8	614.8	614.8
160°	542.5	554.9	565.3	575.8	579.2	582.5	589.1	593.9	594.8	594.8	594.8
162.5°	534.9	544.4	553.0	561.5	563.9	566.3	572.9	575.8	576.7	575.8	576.7
165°	526.4	534.0	540.6	547.3	549.2	551.1	554.9	558.7	558.7	557.7	558.7
167.5°	517.8	523.5	529.2	534.0	535.9	537.8	539.7	541.6	541.6	540.6	541.6
170°	511.2	515.9	518.8	522.6	523.6	524.5	525.4	528.3	527.3	525.4	527.3
172.5°	504.5	507.4	509.3	512.1	512.6	513.1	514.0	515.0	514.0	513.1	514.0
175°	498.8	501.7	502.6	503.6	504.0	504.5	504.5	505.5	504.5	502.6	504.5
177.5°	495.0	496.9	496.9	497.9	497.9	497.9	497.9	497.9	496.9	495.0	496.9
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

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°	31.4	31.4	31.4	30.9	30.4	28.5	30.4	31.4	32.3	31.4	25.7
92.5°	58.9	62.7	63.7	67.5	71.3	81.7	96.0	122.6	146.3	144.4	112.1
95°	110.2	117.8	130.2	140.6	151.1	191.0	248.9	325.9	372.5	329.7	219.5
97.5°	197.6	216.6	253.7	282.2	310.7	406.7	509.3	611.9	607.2	469.4	291.7
100°	384.8	425.7	504.5	562.0	619.5	749.7	867.5	887.5	750.6	516.9	311.7
102.5°	724.0	801.0	888.4	950.2	1011.9	1098.4	1102.2	990.1	755.4	498.8	312.6
105°	1125.0	1183.9	1242.8	1258.5	1274.2	1261.8	1154.4	956.8	704.1	474.1	317.4
107.5°	1379.6	1388.2	1389.1	1370.1	1351.1	1258.0	1098.4	886.5	656.6	460.8	327.8
110°	1450.0	1431.9	1391.0	1352.0	1313.1	1191.5	1021.4	820.9	624.3	457.0	341.1



TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1430.9	1397.7	1336.9	1290.8	1244.7	1112.6	951.1	775.3	603.4	458.0	355.4
115°	1375.8	1332.1	1264.7	1215.8	1166.8	1042.3	896.0	739.2	589.1	461.8	369.6
117.5°	1306.5	1259.9	1190.6	1144.0	1097.4	981.5	850.4	714.5	581.5	467.5	384.8
120°	1234.3	1189.6	1123.1	1079.8	1036.6	935.9	818.1	695.5	574.8	473.2	400.0
122.5°	1169.7	1125.9	1068.0	1030.0	992.0	897.9	792.4	679.4	571.0	479.8	413.3
125°	1111.7	1075.6	1020.5	984.8	949.2	865.6	767.7	664.2	566.3	486.5	427.6
127.5°	1062.3	1028.1	979.6	946.4	913.1	833.3	743.0	649.9	563.4	493.1	440.9
130°	1017.6	985.3	938.8	907.4	876.1	801.0	719.3	635.7	561.5	500.7	453.2
132.5°	973.9	941.6	896.0	867.0	838.0	770.6	696.5	624.3	560.6	508.3	465.6
135°	926.4	895.1	854.2	827.6	801.0	738.3	675.6	613.8	559.6	514.0	476.0
137.5°	878.0	850.4	811.4	787.6	763.9	712.6	658.5	606.2	559.6	519.7	484.6
140°	828.5	803.8	773.4	752.5	731.6	687.9	642.3	599.6	558.7	523.5	491.2
142.5°	785.8	763.9	735.4	718.8	702.2	666.1	629.0	592.9	558.7	526.4	496.9
145°	744.0	727.8	705.0	691.2	677.5	648.0	616.7	587.2	556.8	528.3	501.7
147.5°	710.7	697.4	677.5	667.0	656.6	632.8	607.2	581.5	553.9	529.2	504.5
150°	680.3	668.9	654.7	646.2	637.6	617.6	596.7	573.9	551.1	528.3	506.4
152.5°	655.6	646.1	635.7	628.6	621.4	605.3	586.3	567.2	546.3	526.4	507.4
155°	633.8	627.1	616.7	611.4	606.2	592.0	576.7	558.7	540.6	524.5	508.3
157.5°	612.9	607.2	599.6	595.3	591.0	578.7	565.3	551.1	534.9	520.7	508.3
160°	593.9	589.1	582.5	579.2	575.8	565.3	554.9	542.5	529.2	517.8	508.3
162.5°	575.8	572.9	566.3	563.9	561.5	553.0	544.4	534.9	524.5	515.0	507.4
165°	558.7	554.9	551.1	549.2	547.3	540.6	534.0	526.4	517.8	511.2	505.5
167.5°	541.6	539.7	537.8	535.9	534.0	529.2	523.5	517.8	512.1	507.4	504.5
170°	528.3	525.4	524.5	523.6	522.6	518.8	515.9	511.2	507.4	504.5	502.6
172.5°	515.0	514.0	513.1	512.6	512.1	509.3	507.4	504.5	501.7	500.7	499.8
175°	505.5	504.5	504.5	504.0	503.6	502.6	501.7	498.8	497.9	496.9	497.9
177.5°	497.9	497.9	497.9	497.9	497.9	496.9	496.9	495.0	494.1	495.0	496.9
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

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°	19.0	14.3	12.8	11.4	9.5	7.6	3.8	1.0	3.8	7.6	9.5
92.5°	76.0	50.4	45.2	39.9	32.3	27.6	20.0	14.3	20.0	27.6	32.3
95°	136.8	93.1	81.7	70.3	55.1	46.6	37.1	33.3	37.1	46.6	55.1
97.5°	176.7	120.7	107.8	95.0	77.9	65.6	55.1	49.4	55.1	65.6	77.9
100°	195.7	145.4	132.1	118.8	99.8	84.6	76.0	73.2	76.0	84.6	99.8
102.5°	212.8	167.2	153.9	140.6	120.7	105.5	96.9	95.0	96.9	105.5	120.7
105°	232.8	188.1	174.8	161.5	140.6	126.4	119.7	115.9	119.7	126.4	140.6
107.5°	252.7	209.0	195.7	182.4	161.5	148.2	141.6	138.7	141.6	148.2	161.5
110°	272.7	230.9	217.1	203.3	183.4	171.0	165.3	161.5	165.3	171.0	183.4

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	291.7	251.8	237.6	223.3	204.3	192.9	186.2	182.4	186.2	192.9	204.3
115°	311.7	270.8	258.0	245.1	226.1	214.7	209.0	204.3	209.0	214.7	226.1
117.5°	329.7	291.7	278.4	265.1	247.0	236.6	230.9	227.1	230.9	236.6	247.0
120°	348.7	311.7	298.4	285.0	266.0	257.5	251.8	248.0	251.8	257.5	266.0
122.5°	366.8	332.6	318.8	305.0	286.0	276.5	270.8	267.9	270.8	276.5	286.0
125°	384.8	350.6	337.3	324.0	305.0	293.6	287.9	285.0	287.9	293.6	305.0
127.5°	401.9	368.7	354.9	341.1	323.1	310.7	303.1	299.3	303.1	310.7	323.1
130°	417.1	383.9	370.6	357.3	338.3	325.0	315.5	311.7	315.5	325.0	338.3
132.5°	430.4	399.1	385.8	372.5	352.5	338.3	327.8	323.1	327.8	338.3	352.5
135°	442.8	412.4	399.1	385.8	363.9	349.7	338.3	334.5	338.3	349.7	363.9
137.5°	453.2	422.8	410.4	398.1	376.3	361.1	349.7	344.9	349.7	361.1	376.3
140°	461.8	433.3	421.0	408.6	387.7	372.5	361.1	357.3	361.1	372.5	387.7
142.5°	468.4	440.9	429.5	418.1	398.1	382.9	372.5	369.6	372.5	382.9	398.1
145°	475.1	449.4	439.0	428.5	409.5	395.3	385.8	382.0	385.8	395.3	409.5
147.5°	480.8	456.1	446.6	437.1	420.9	407.6	398.1	395.3	398.1	407.6	420.9
150°	484.6	462.7	454.2	445.6	431.4	419.0	411.4	408.6	411.4	419.0	431.4
152.5°	488.4	469.4	461.8	454.2	440.9	430.4	422.8	421.9	422.8	430.4	440.9
155°	492.2	476.0	468.9	461.8	451.3	440.9	435.2	434.2	435.2	440.9	451.3
157.5°	495.0	480.8	474.6	468.4	459.9	450.4	445.6	444.7	445.6	450.4	459.9
160°	496.9	485.5	480.3	475.1	467.5	459.9	456.1	455.1	456.1	459.9	467.5
162.5°	497.9	488.4	484.6	480.8	474.1	468.4	464.6	465.6	464.6	468.4	474.1
165°	498.8	490.3	487.4	484.6	479.8	474.1	472.2	473.2	472.2	474.1	479.8
167.5°	498.8	492.2	490.3	488.4	484.6	480.8	478.9	479.8	478.9	480.8	484.6
170°	497.9	493.1	491.7	490.3	488.4	485.5	484.6	486.5	484.6	485.5	488.4
172.5°	496.9	494.1	493.2	492.2	491.2	488.4	489.3	490.3	489.3	488.4	491.2
175°	496.0	494.1	493.6	493.1	493.1	491.2	492.2	493.1	492.2	491.2	493.1
177.5°	495.0	494.1	494.1	494.1	494.1	492.2	493.1	495.0	493.1	492.2	494.1
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

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°	11.4	12.8	14.3	19.0	25.7	31.4	32.3	31.4	30.4	28.5	30.4
92.5°	39.9	45.2	50.4	76.0	112.1	144.4	146.3	122.6	96.0	81.7	71.3
95°	70.3	81.7	93.1	136.8	219.5	329.7	372.5	325.9	248.9	191.0	151.1
97.5°	95.0	107.8	120.7	176.7	291.7	469.4	607.2	611.9	509.3	406.7	310.7
100°	118.8	132.1	145.4	195.7	311.7	516.9	750.6	887.5	867.5	749.7	619.5
102.5°	140.6	153.9	167.2	212.8	312.6	498.8	755.4	990.1	1102.2	1098.4	1011.9
105°	161.5	174.8	188.1	232.8	317.4	474.1	704.1	956.8	1154.4	1261.8	1274.2
107.5°	182.4	195.7	209.0	252.7	327.8	460.8	656.6	886.5	1098.4	1258.0	1351.1
110°	203.3	217.1	230.9	272.7	341.1	457.0	624.3	820.9	1021.4	1191.5	1313.1

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	223.3	237.6	251.8	291.7	355.4	458.0	603.4	775.3	951.1	1112.6	1244.7
115°	245.1	258.0	270.8	311.7	369.6	461.8	589.1	739.2	896.0	1042.3	1166.8
117.5°	265.1	278.4	291.7	329.7	384.8	467.5	581.5	714.5	850.4	981.5	1097.4
120°	285.0	298.4	311.7	348.7	400.0	473.2	574.8	695.5	818.1	935.9	1036.6
122.5°	305.0	318.8	332.6	366.8	413.3	479.8	571.0	679.4	792.4	897.9	992.0
125°	324.0	337.3	350.6	384.8	427.6	486.5	566.3	664.2	767.7	865.6	949.2
127.5°	341.1	354.9	368.7	401.9	440.9	493.1	563.4	649.9	743.0	833.3	913.1
130°	357.3	370.6	383.9	417.1	453.2	500.7	561.5	635.7	719.3	801.0	876.1
132.5°	372.5	385.8	399.1	430.4	465.6	508.3	560.6	624.3	696.5	770.6	838.0
135°	385.8	399.1	412.4	442.8	476.0	514.0	559.6	613.8	675.6	738.3	801.0
137.5°	398.1	410.4	422.8	453.2	484.6	519.7	559.6	606.2	658.5	712.6	763.9
140°	408.6	421.0	433.3	461.8	491.2	523.5	558.7	599.6	642.3	687.9	731.6
142.5°	418.1	429.5	440.9	468.4	496.9	526.4	558.7	592.9	629.0	666.1	702.2
145°	428.5	439.0	449.4	475.1	501.7	528.3	556.8	587.2	616.7	648.0	677.5
147.5°	437.1	446.6	456.1	480.8	504.5	529.2	553.9	581.5	607.2	632.8	656.6
150°	445.6	454.2	462.7	484.6	506.4	528.3	551.1	573.9	596.7	617.6	637.6
152.5°	454.2	461.8	469.4	488.4	507.4	526.4	546.3	567.2	586.3	605.3	621.4
155°	461.8	468.9	476.0	492.2	508.3	524.5	540.6	558.7	576.7	592.0	606.2
157.5°	468.4	474.6	480.8	495.0	508.3	520.7	534.9	551.1	565.3	578.7	591.0
160°	475.1	480.3	485.5	496.9	508.3	517.8	529.2	542.5	554.9	565.3	575.8
162.5°	480.8	484.6	488.4	497.9	507.4	515.0	524.5	534.9	544.4	553.0	561.5
165°	484.6	487.4	490.3	498.8	505.5	511.2	517.8	526.4	534.0	540.6	547.3
167.5°	488.4	490.3	492.2	498.8	504.5	507.4	512.1	517.8	523.5	529.2	534.0
170°	490.3	491.7	493.1	497.9	502.6	504.5	507.4	511.2	515.9	518.8	522.6
172.5°	492.2	493.2	494.1	496.9	499.8	500.7	501.7	504.5	507.4	509.3	512.1
175°	493.1	493.6	494.1	496.0	497.9	496.9	497.9	498.8	501.7	502.6	503.6
177.5°	494.1	494.1	494.1	495.0	496.9	495.0	494.1	495.0	496.9	496.9	497.9
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

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°	30.9	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	30.9
92.5°	67.5	63.7	62.7	58.9	59.9	58.0	59.9	58.9	62.7	63.7	67.5
95°	140.6	130.2	117.8	110.2	107.4	108.3	107.4	110.2	117.8	130.2	140.6
97.5°	282.2	253.7	216.6	197.6	187.2	181.5	187.2	197.6	216.6	253.7	282.2
100°	562.0	504.5	425.7	384.8	357.3	340.2	357.3	384.8	425.7	504.5	562.0
102.5°	950.2	888.4	801.0	724.0	687.9	663.2	687.9	724.0	801.0	888.4	950.2
105°	1258.5	1242.8	1183.9	1125.0	1084.1	1070.8	1084.1	1125.0	1183.9	1242.8	1258.5
107.5°	1370.1	1389.1	1388.2	1379.6	1367.3	1345.4	1367.3	1379.6	1388.2	1389.1	1370.1
110°	1352.0	1391.0	1431.9	1450.0	1458.5	1457.6	1458.5	1450.0	1431.9	1391.0	1352.0

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1290.8	1336.9	1397.7	1430.9	1449.0	1455.7	1449.0	1430.9	1397.7	1336.9	1290.8
115°	1215.8	1264.7	1332.1	1375.8	1400.5	1409.1	1400.5	1375.8	1332.1	1264.7	1215.8
117.5°	1144.0	1190.6	1259.9	1306.5	1332.1	1338.8	1332.1	1306.5	1259.9	1190.6	1144.0
120°	1079.8	1123.1	1189.6	1234.3	1261.8	1271.3	1261.8	1234.3	1189.6	1123.1	1079.8
122.5°	1030.0	1068.0	1125.9	1169.7	1193.4	1201.0	1193.4	1169.7	1125.9	1068.0	1030.0
125°	984.8	1020.5	1075.6	1111.7	1135.4	1143.0	1135.4	1111.7	1075.6	1020.5	984.8
127.5°	946.4	979.6	1028.1	1062.3	1083.2	1088.9	1083.2	1062.3	1028.1	979.6	946.4
130°	907.4	938.8	985.3	1017.6	1036.6	1044.2	1036.6	1017.6	985.3	938.8	907.4
132.5°	867.0	896.0	941.6	973.9	991.0	997.7	991.0	973.9	941.6	896.0	867.0
135°	827.6	854.2	895.1	926.4	943.5	947.3	943.5	926.4	895.1	854.2	827.6
137.5°	787.6	811.4	850.4	878.0	893.2	898.9	893.2	878.0	850.4	811.4	787.6
140°	752.5	773.4	803.8	828.5	842.8	848.5	842.8	828.5	803.8	773.4	752.5
142.5°	718.8	735.4	763.9	785.8	798.1	798.1	798.1	785.8	763.9	735.4	718.8
145°	691.2	705.0	727.8	744.0	753.5	756.3	753.5	744.0	727.8	705.0	691.2
147.5°	667.0	677.5	697.4	710.7	717.4	719.3	717.4	710.7	697.4	677.5	667.0
150°	646.2	654.7	668.9	680.3	686.0	687.0	686.0	680.3	668.9	654.7	646.2
152.5°	628.6	635.7	646.1	655.6	659.4	659.4	659.4	655.6	646.1	635.7	628.6
155°	611.4	616.7	627.1	633.8	637.6	635.7	637.6	633.8	627.1	616.7	611.4
157.5°	595.3	599.6	607.2	612.9	614.8	614.8	614.8	612.9	607.2	599.6	595.3
160°	579.2	582.5	589.1	593.9	594.8	594.8	594.8	593.9	589.1	582.5	579.2
162.5°	563.9	566.3	572.9	575.8	576.7	575.8	576.7	575.8	572.9	566.3	563.9
165°	549.2	551.1	554.9	558.7	558.7	557.7	558.7	558.7	554.9	551.1	549.2
167.5°	535.9	537.8	539.7	541.6	541.6	540.6	541.6	541.6	539.7	537.8	535.9
170°	523.6	524.5	525.4	528.3	527.3	525.4	527.3	528.3	525.4	524.5	523.6
172.5°	512.6	513.1	514.0	515.0	514.0	513.1	514.0	515.0	514.0	513.1	512.6
175°	504.0	504.5	504.5	505.5	504.5	502.6	504.5	505.5	504.5	504.5	504.0
177.5°	497.9	497.9	497.9	497.9	496.9	495.0	496.9	497.9	497.9	497.9	497.9
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

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°	30.4	28.5	30.4	31.4	32.3	31.4	25.7	19.0	14.3	12.8	11.4
92.5°	71.3	81.7	96.0	122.6	146.3	144.4	112.1	76.0	50.4	45.2	39.9
95°	151.1	191.0	248.9	325.9	372.5	329.7	219.5	136.8	93.1	81.7	70.3
97.5°	310.7	406.7	509.3	611.9	607.2	469.4	291.7	176.7	120.7	107.8	95.0
100°	619.5	749.7	867.5	887.5	750.6	516.9	311.7	195.7	145.4	132.1	118.8
102.5°	1011.9	1098.4	1102.2	990.1	755.4	498.8	312.6	212.8	167.2	153.9	140.6
105°	1274.2	1261.8	1154.4	956.8	704.1	474.1	317.4	232.8	188.1	174.8	161.5
107.5°	1351.1	1258.0	1098.4	886.5	656.6	460.8	327.8	252.7	209.0	195.7	182.4
110°	1313.1	1191.5	1021.4	820.9	624.3	457.0	341.1	272.7	230.9	217.1	203.3

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1244.7	1112.6	951.1	775.3	603.4	458.0	355.4	291.7	251.8	237.6	223.3
115°	1166.8	1042.3	896.0	739.2	589.1	461.8	369.6	311.7	270.8	258.0	245.1
117.5°	1097.4	981.5	850.4	714.5	581.5	467.5	384.8	329.7	291.7	278.4	265.1
120°	1036.6	935.9	818.1	695.5	574.8	473.2	400.0	348.7	311.7	298.4	285.0
122.5°	992.0	897.9	792.4	679.4	571.0	479.8	413.3	366.8	332.6	318.8	305.0
125°	949.2	865.6	767.7	664.2	566.3	486.5	427.6	384.8	350.6	337.3	324.0
127.5°	913.1	833.3	743.0	649.9	563.4	493.1	440.9	401.9	368.7	354.9	341.1
130°	876.1	801.0	719.3	635.7	561.5	500.7	453.2	417.1	383.9	370.6	357.3
132.5°	838.0	770.6	696.5	624.3	560.6	508.3	465.6	430.4	399.1	385.8	372.5
135°	801.0	738.3	675.6	613.8	559.6	514.0	476.0	442.8	412.4	399.1	385.8
137.5°	763.9	712.6	658.5	606.2	559.6	519.7	484.6	453.2	422.8	410.4	398.1
140°	731.6	687.9	642.3	599.6	558.7	523.5	491.2	461.8	433.3	421.0	408.6
142.5°	702.2	666.1	629.0	592.9	558.7	526.4	496.9	468.4	440.9	429.5	418.1
145°	677.5	648.0	616.7	587.2	556.8	528.3	501.7	475.1	449.4	439.0	428.5
147.5°	656.6	632.8	607.2	581.5	553.9	529.2	504.5	480.8	456.1	446.6	437.1
150°	637.6	617.6	596.7	573.9	551.1	528.3	506.4	484.6	462.7	454.2	445.6
152.5°	621.4	605.3	586.3	567.2	546.3	526.4	507.4	488.4	469.4	461.8	454.2
155°	606.2	592.0	576.7	558.7	540.6	524.5	508.3	492.2	476.0	468.9	461.8
157.5°	591.0	578.7	565.3	551.1	534.9	520.7	508.3	495.0	480.8	474.6	468.4
160°	575.8	565.3	554.9	542.5	529.2	517.8	508.3	496.9	485.5	480.3	475.1
162.5°	561.5	553.0	544.4	534.9	524.5	515.0	507.4	497.9	488.4	484.6	480.8
165°	547.3	540.6	534.0	526.4	517.8	511.2	505.5	498.8	490.3	487.4	484.6
167.5°	534.0	529.2	523.5	517.8	512.1	507.4	504.5	498.8	492.2	490.3	488.4
170°	522.6	518.8	515.9	511.2	507.4	504.5	502.6	497.9	493.1	491.7	490.3
172.5°	512.1	509.3	507.4	504.5	501.7	500.7	499.8	496.9	494.1	493.2	492.2
175°	503.6	502.6	501.7	498.8	497.9	496.9	497.9	496.0	494.1	493.6	493.1
177.5°	497.9	496.9	496.9	495.0	494.1	495.0	496.9	495.0	494.1	494.1	494.1
180°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

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°	9.5	7.6	3.8	1.0
92.5°	32.3	27.6	20.0	14.3
95°	55.1	46.6	37.1	33.3
97.5°	77.9	65.6	55.1	49.4
100°	99.8	84.6	76.0	73.2
102.5°	120.7	105.5	96.9	95.0
105°	140.6	126.4	119.7	115.9
107.5°	161.5	148.2	141.6	138.7
110°	183.4	171.0	165.3	161.5



TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	204.3	192.9	186.2	182.4
115°	226.1	214.7	209.0	204.3
117.5°	247.0	236.6	230.9	227.1
120°	266.0	257.5	251.8	248.0
122.5°	286.0	276.5	270.8	267.9
125°	305.0	293.6	287.9	285.0
127.5°	323.1	310.7	303.1	299.3
130°	338.3	325.0	315.5	311.7
132.5°	352.5	338.3	327.8	323.1
135°	363.9	349.7	338.3	334.5
137.5°	376.3	361.1	349.7	344.9
140°	387.7	372.5	361.1	357.3
142.5°	398.1	382.9	372.5	369.6
145°	409.5	395.3	385.8	382.0
147.5°	420.9	407.6	398.1	395.3
150°	431.4	419.0	411.4	408.6
152.5°	440.9	430.4	422.8	421.9
155°	451.3	440.9	435.2	434.2
157.5°	459.9	450.4	445.6	444.7
160°	467.5	459.9	456.1	455.1
162.5°	474.1	468.4	464.6	465.6
165°	479.8	474.1	472.2	473.2
167.5°	484.6	480.8	478.9	479.8
170°	488.4	485.5	484.6	486.5
172.5°	491.2	488.4	489.3	490.3
175°	493.1	491.2	492.2	493.1
177.5°	494.1	492.2	493.1	495.0
180°	494.1	494.1	494.1	494.1

TEST NUMBER: P998668

CATALOG NUMBER: SA2XXDIP-B485D925UB50-4F0-XX-W2A-A4

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	13.88	14.62	14.95	15.68	17.13	11.38	12.11	12.44	13.18	14.62
	3H	14.69	15.34	15.76	16.42	17.88	12.71	13.37	13.79	14.44	15.90
	4H	14.85	15.47	15.93	16.55	18.01	13.17	13.79	14.25	14.87	16.33
	6H	14.89	15.46	15.98	16.54	18.02	13.47	14.04	14.56	15.12	16.60
	8H	14.86	15.41	15.96	16.50	17.98	13.55	14.10	14.65	15.19	16.66
	12H	14.82	15.34	15.92	16.43	17.92	13.59	14.11	14.69	15.19	16.69
4H	2H	13.91	14.53	15.00	15.61	17.07	11.81	12.43	12.90	13.50	14.97
	3H	14.88	15.40	15.98	16.50	17.98	13.26	13.78	14.36	14.88	16.36
	4H	15.15	15.63	16.25	16.72	18.22	13.79	14.26	14.89	15.35	16.86
	6H	15.27	15.68	16.39	16.80	18.29	14.16	14.57	15.27	15.68	17.18
	8H	15.27	15.65	16.38	16.76	18.27	14.27	14.65	15.38	15.75	17.26
	12H	15.23	15.57	16.36	16.69	18.21	14.32	14.66	15.45	15.78	17.30
8H	4H	15.15	15.53	16.26	16.64	18.15	13.92	14.30	15.03	15.41	16.92
	6H	15.33	15.64	16.46	16.79	18.29	14.35	14.66	15.48	15.81	17.32
	8H	15.35	15.63	16.49	16.76	18.28	14.50	14.77	15.64	15.90	17.43
	12H	15.33	15.58	16.48	16.70	18.26	14.59	14.83	15.73	15.95	17.52
12H	4H	15.10	15.45	16.23	16.57	18.08	13.89	14.23	15.02	15.35	16.87
	6H	15.30	15.58	16.44	16.71	18.23	14.35	14.62	15.49	15.75	17.28
	8H	15.33	15.57	16.47	16.70	18.26	14.50	14.74	15.64	15.87	17.43