

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: P998598

Luminaire Tested: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P998598
REPORT IS A COMBINATION OF REPORTS P984341 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

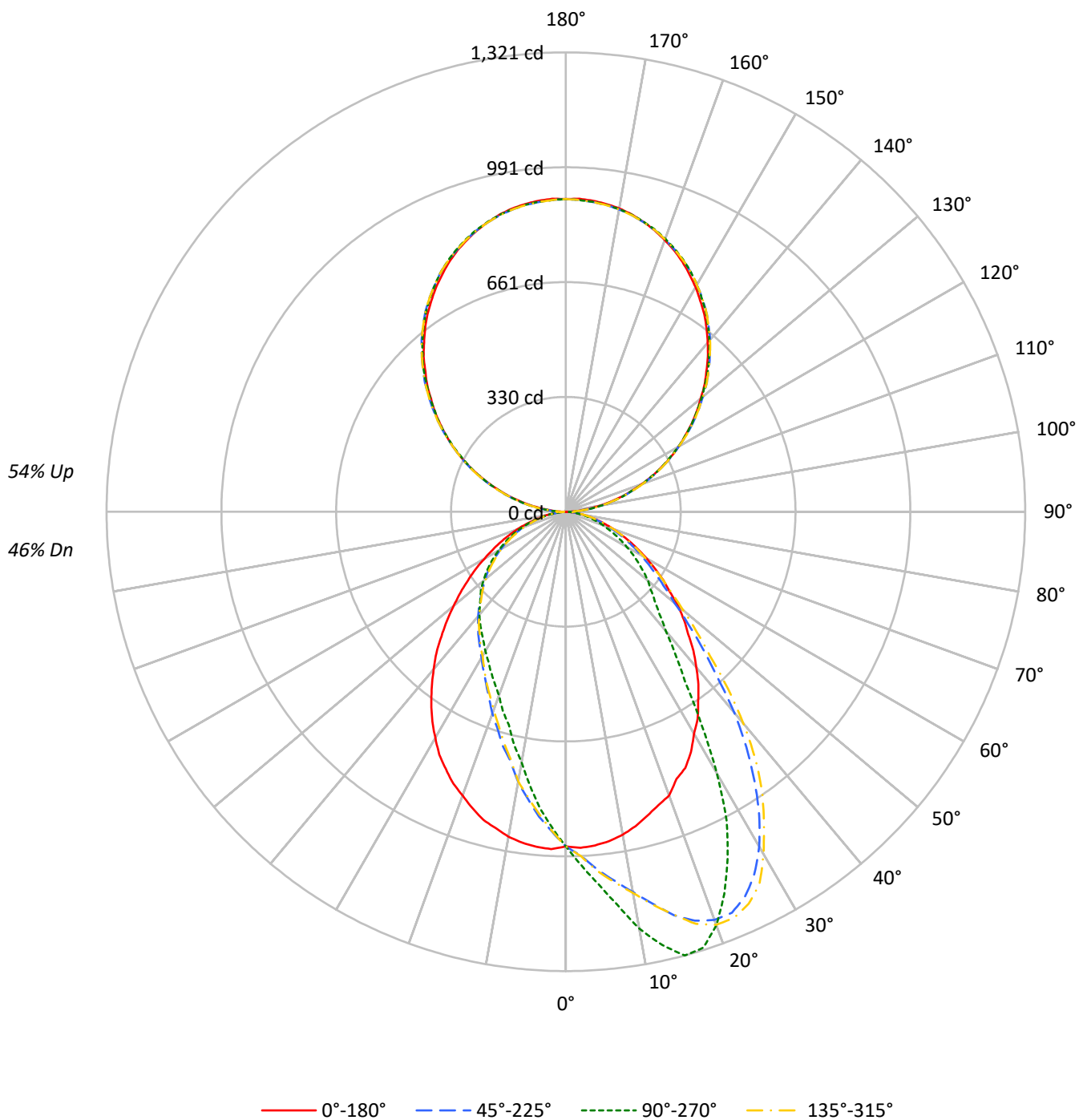
Lumens per Lamp: N/A
Luminaire Lumens: 4640.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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°	15231	15231	15231	15231
5°	15268	16241	15327	12921
10°	15091	17729	15185	10653
15°	14726	18701	14929	8974
20°	14495	17558	14495	7799
25°	14033	15085	14096	6975
30°	13274	11858	13526	6317
35°	12599	8200	12810	5780
40°	11826	6191	11961	5351
45°	10872	5087	11049	4890
50°	10046	4465	10063	4476
55°	9105	3805	9164	4027
60°	8102	3179	8214	3514
65°	7206	2585	7337	3001
70°	6310	2027	6470	2420
75°	5298	1472	5505	1755
80°	4136	933	4431	1043
85°	2712	470	2924	348

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	2.0
10°-20°	266.8	5.7
20°-30°	387.2	8.3
30°-40°	408.1	8.8
40°-50°	361.2	7.8
50°-60°	288.4	6.2
60°-70°	195.9	4.2
70°-80°	100.2	2.2
80°-90°	26.2	0.6
90°-100°	55.6	1.2
100°-110°	176.9	3.8
110°-120°	302.6	6.5
120°-130°	398.0	8.6
130°-140°	446.8	9.6
140°-150°	438.1	9.4
150°-160°	367.5	7.9
160°-170°	243.7	5.3
170°-180°	85.2	1.8
0°-30°	745.6	16.1
0°-40°	1153.7	24.9
0°-60°	1803.2	38.9
0°-90°	2125.6	45.8
90°-120°	535.2	11.5
90°-150°	1818.0	39.2
90°-180°	2514.0	54.2
0°-180°	4640.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	962	962	962	962	962	
5°	963	1075	967	855	963	91
15°	905	1321	917	634	905	255
25°	813	1101	816	509	813	372
35°	663	599	674	422	663	415
45°	498	361	506	347	498	386
55°	342	254	344	268	342	305
65°	203	156	206	181	203	201
75°	95	77	98	92	95	102
85°	19	20	21	15	19	22
90°	1	26	1	26	1	4
95°	40	47	40	47	40	44
105°	163	168	163	168	163	172
115°	304	304	304	304	304	300
125°	442	443	442	443	442	395
135°	572	578	572	578	572	442
145°	694	701	694	701	694	433
155°	793	799	793	799	793	365
165°	863	864	863	864	863	243
175°	898	895	898	895	898	85
180°	899	899	899	899	899	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	967.4	969.6	973.3	974.1	981.5	987.4	994.0	994.0	996.3	995.5	989.6
5°	963.0	969.6	979.3	987.4	1000.7	1006.6	1015.5	1022.2	1028.1	1032.5	1031.8
7.5°	955.6	967.4	981.5	997.0	1014.8	1025.1	1037.7	1049.5	1057.7	1065.0	1070.2
10°	943.0	963.0	982.2	1002.9	1025.8	1039.9	1054.7	1070.2	1082.8	1096.9	1110.2
12.5°	926.0	954.8	978.5	1005.9	1034.0	1049.5	1073.2	1085.0	1109.4	1144.9	1154.5
15°	904.6	943.8	965.9	1000.7	1037.7	1050.3	1082.8	1102.0	1152.3	1174.5	1201.1
17.5°	884.6	928.2	957.8	997.7	1034.0	1058.4	1090.2	1129.4	1171.6	1203.4	1232.9
20°	868.3	910.5	946.0	990.3	1036.2	1067.3	1100.6	1147.9	1193.7	1226.3	1249.2
22.5°	831.3	885.3	926.7	976.3	1031.8	1074.7	1106.5	1158.2	1207.8	1227.8	1247.7
25°	812.8	859.4	907.5	963.7	1028.8	1079.8	1107.2	1164.9	1208.5	1215.9	1220.4
27.5°	778.8	831.3	887.5	951.9	1028.1	1071.0	1105.7	1158.2	1193.0	1187.8	1174.5
30°	736.7	801.0	863.1	932.7	1017.7	1064.3	1096.9	1144.9	1162.7	1136.1	1112.4
32.5°	705.6	766.2	835.0	915.6	1005.9	1050.3	1082.1	1119.8	1123.5	1075.4	1035.5
35°	663.4	730.7	808.4	893.5	985.9	1025.8	1055.4	1078.4	1060.6	993.3	946.0
37.5°	625.7	692.3	775.1	861.7	958.5	997.7	1021.4	1025.1	981.5	922.3	852.8
40°	584.3	653.1	739.6	830.6	928.2	962.2	977.0	965.9	903.1	834.3	753.7
42.5°	542.9	610.9	704.1	797.3	889.8	918.6	924.5	894.2	817.3	736.7	643.5
45°	497.8	568.8	662.0	755.9	845.4	861.7	862.4	818.8	727.8	643.5	556.9
47.5°	460.8	526.6	619.1	713.0	788.4	799.5	795.1	744.8	645.7	551.0	475.6
50°	420.1	483.0	574.7	667.1	731.5	734.4	723.3	651.6	554.7	468.2	408.3
52.5°	376.5	440.1	524.4	613.1	670.8	666.4	644.9	568.0	477.1	405.3	359.5
55°	341.7	397.9	477.1	563.6	604.3	591.7	568.0	489.6	417.9	357.2	317.3
57.5°	303.2	352.8	430.5	505.9	529.6	517.7	494.1	420.8	354.3	308.4	281.8
60°	267.0	312.1	380.2	443.0	461.5	448.9	421.6	355.8	307.7	269.2	249.3
62.5°	233.7	272.9	329.9	387.6	395.0	382.4	358.7	305.5	264.0	233.7	218.9
65°	202.7	239.6	285.5	329.1	335.8	322.5	298.1	259.6	224.8	205.6	191.6
67.5°	172.3	201.9	242.6	274.4	278.1	265.5	245.6	214.5	193.0	172.3	162.0
70°	145.7	167.9	199.7	225.6	227.1	215.2	204.9	176.8	160.5	145.7	137.6
72.5°	119.8	135.4	159.8	179.0	179.7	172.3	162.7	145.0	130.9	120.6	112.4
75°	94.7	108.0	122.8	139.8	139.0	133.1	125.7	114.6	102.8	96.2	92.5
77.5°	72.5	80.6	92.5	103.5	103.5	100.6	96.2	88.0	80.6	74.0	70.3
80°	51.8	57.0	66.6	70.3	71.7	71.0	67.3	61.4	58.4	53.3	51.8
82.5°	33.3	37.0	41.4	45.1	47.3	45.9	45.1	42.2	37.7	36.2	34.8
85°	19.2	20.7	22.9	25.1	25.9	25.1	26.6	24.4	22.2	22.2	21.4
87.5°	8.1	8.9	10.4	10.4	11.1	11.1	10.4	11.1	11.1	10.4	9.6
90°	0.8	2.8	4.8	6.9	8.9	9.9	11.8	15.5	19.2	22.9	26.6
92.5°	16.7	18.1	19.4	20.8	22.1	22.8	22.9	23.0	23.2	23.3	23.5
95°	39.5	41.2	42.9	44.6	46.3	47.1	47.3	47.6	47.9	48.3	48.6
97.5°	66.0	67.5	69.1	70.6	72.1	72.9	73.2	73.9	74.6	75.2	75.9
100°	96.4	97.8	99.1	100.5	101.8	102.5	102.7	103.2	103.7	104.2	104.7
102.5°	128.3	129.3	130.3	131.3	132.3	132.8	133.1	133.8	134.5	135.2	135.9
105°	163.2	163.7	164.2	164.7	165.2	165.5	165.7	166.0	166.3	166.7	167.0
107.5°	198.1	198.8	199.4	200.1	200.8	201.1	201.1	201.1	201.1	201.1	201.1
110°	231.5	232.5	233.5	234.5	235.5	236.0	236.0	236.0	236.0	236.0	236.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	267.9	268.9	269.9	271.0	272.0	272.5	272.4	272.2	272.1	271.9	271.7
115°	303.6	304.6	305.6	306.6	307.6	308.1	307.9	307.6	307.3	306.9	306.6
117.5°	339.3	340.6	342.0	343.3	344.6	345.3	344.9	344.0	343.2	342.3	341.5
120°	374.9	376.3	377.6	379.0	380.3	381.0	380.3	379.0	377.6	376.3	374.9
122.5°	407.6	409.3	410.9	412.6	414.3	415.1	414.7	413.9	413.0	412.2	411.4
125°	441.7	443.2	444.7	446.2	447.7	448.5	448.3	447.8	447.3	446.8	446.3
127.5°	475.1	477.0	478.8	480.7	482.6	483.5	483.2	482.5	481.8	481.1	480.4
130°	506.2	508.4	510.6	512.8	515.0	516.1	515.9	515.6	515.3	514.9	514.6
132.5°	541.1	542.8	544.5	546.2	547.9	548.7	548.8	549.0	549.1	549.3	549.5
135°	571.5	573.3	575.2	577.0	578.9	579.8	580.0	580.3	580.7	581.0	581.4
137.5°	604.9	606.4	607.9	609.4	610.9	611.7	611.9	612.2	612.5	612.9	613.2
140°	634.5	636.0	637.5	639.0	640.5	641.3	641.7	642.6	643.4	644.3	645.1
142.5°	664.8	666.3	667.9	669.4	670.9	671.7	672.0	672.5	673.0	673.5	674.0
145°	693.7	694.9	696.1	697.2	698.4	699.0	699.5	700.5	701.6	702.6	703.6
147.5°	719.5	721.0	722.5	724.0	725.5	726.3	726.6	727.3	728.0	728.7	729.4
150°	746.1	747.1	748.1	749.1	750.1	750.6	750.9	751.6	752.3	752.9	753.6
152.5°	769.6	770.6	771.6	772.6	773.6	774.1	774.5	775.4	776.2	777.1	777.9
155°	793.1	793.6	794.1	794.6	795.1	795.4	795.7	796.2	796.7	797.2	797.7
157.5°	813.6	813.9	814.3	814.6	814.9	815.1	815.3	815.6	815.9	816.3	816.6
160°	831.8	832.1	832.5	832.8	833.1	833.3	833.4	833.6	833.7	833.9	834.1
162.5°	848.5	848.5	848.5	848.5	848.5	848.5	848.6	848.8	848.9	849.1	849.3
165°	862.9	862.7	862.6	862.4	862.3	862.2	862.2	862.2	862.2	862.2	862.2
167.5°	875.8	875.3	874.8	874.3	873.8	873.6	873.6	873.6	873.6	873.6	873.6
170°	885.7	885.2	884.7	884.2	883.7	883.4	883.3	883.2	883.0	882.9	882.7
172.5°	892.5	892.0	891.5	891.0	890.5	890.3	890.2	890.0	889.9	889.7	889.5
175°	897.8	897.3	896.8	896.3	895.8	895.6	895.4	895.1	894.7	894.4	894.0
177.5°	900.9	900.4	899.9	899.4	898.9	898.6	898.4	898.1	897.8	897.4	897.1
180°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	1000.0	1000.7	1002.2	1009.6	1013.3	1014.0	1011.1	1017.7	1019.9	1017.7	1016.2
5°	1047.3	1051.7	1060.6	1070.2	1069.5	1070.2	1074.7	1079.1	1080.6	1074.7	1076.9
7.5°	1088.7	1097.6	1107.2	1122.0	1122.0	1129.4	1132.4	1136.1	1144.9	1140.5	1139.0
10°	1136.1	1147.9	1165.6	1189.3	1190.0	1197.4	1204.8	1216.7	1220.4	1217.4	1218.9
12.5°	1195.2	1218.2	1219.6	1245.5	1257.3	1258.8	1270.7	1268.4	1275.8	1275.8	1288.4
15°	1221.1	1256.6	1276.6	1301.7	1309.1	1300.2	1309.9	1320.2	1321.0	1321.0	1320.2
17.5°	1267.7	1281.8	1301.7	1315.0	1318.0	1318.0	1318.7	1323.2	1320.2	1314.3	1318.7
20°	1277.3	1283.2	1290.6	1289.2	1290.6	1283.2	1275.8	1268.4	1269.2	1265.5	1276.6
22.5°	1259.6	1258.1	1241.1	1230.0	1230.0	1215.2	1201.1	1194.5	1187.8	1190.0	1193.7
25°	1215.2	1192.3	1171.6	1155.3	1151.6	1127.9	1108.7	1102.8	1091.7	1100.6	1102.0
27.5°	1144.2	1118.3	1085.0	1071.0	1051.7	1042.1	1028.8	1011.1	988.1	1001.4	999.2
30°	1068.0	1029.5	1002.2	968.2	937.8	935.6	910.5	880.9	869.1	869.1	875.7
32.5°	983.0	931.9	892.0	843.9	814.3	801.7	771.4	741.8	748.5	726.3	734.4
35°	883.8	816.5	766.2	719.6	697.5	682.7	643.5	627.2	609.4	599.1	618.3
37.5°	789.2	711.5	647.2	596.1	588.0	561.4	534.7	524.4	514.0	518.5	517.7
40°	673.8	605.0	547.3	507.4	493.3	480.8	463.0	450.4	443.8	447.5	448.2
42.5°	569.5	511.8	468.9	440.8	429.0	420.1	411.2	400.9	398.7	398.7	401.6
45°	488.9	441.6	412.7	389.8	383.1	376.5	369.8	365.4	363.9	360.9	363.2
47.5°	424.5	386.8	369.1	352.1	344.7	343.2	337.3	335.0	332.1	331.3	332.1
50°	370.5	346.9	330.6	321.0	315.8	313.6	310.6	306.2	304.7	308.4	306.9
52.5°	332.8	310.6	301.8	292.1	289.2	286.2	281.8	282.5	281.8	280.3	280.3
55°	295.1	281.1	272.2	264.8	264.0	261.1	257.4	255.9	255.2	253.7	255.9
57.5°	264.8	253.7	245.6	238.9	235.9	235.9	232.2	229.3	229.3	228.5	229.3
60°	234.5	223.4	218.2	211.5	209.3	208.6	206.4	204.9	202.7	202.7	202.7
62.5°	206.4	197.5	191.6	185.6	186.4	182.7	179.7	178.2	178.2	179.0	179.0
65°	179.7	173.8	166.4	161.2	159.8	159.0	157.5	156.8	154.6	156.1	156.1
67.5°	155.3	147.2	142.7	140.5	138.3	137.6	136.1	134.6	133.9	133.1	134.6
70°	130.9	124.3	120.6	119.1	116.9	116.1	115.4	113.2	113.9	114.6	115.4
72.5°	108.7	102.8	102.1	97.6	97.6	97.6	94.7	96.2	95.4	93.9	95.4
75°	85.8	82.8	81.4	79.1	79.9	79.1	78.4	76.2	76.2	76.9	77.7
77.5°	68.0	65.1	64.3	62.1	60.6	62.1	60.6	59.9	59.9	60.6	60.6
80°	50.3	48.8	46.6	46.6	46.6	45.9	45.9	45.9	45.1	44.4	45.1
82.5°	33.3	33.3	32.5	31.8	32.5	31.1	31.8	31.8	31.8	31.8	31.8
85°	21.4	20.7	20.7	20.0	20.0	20.0	20.7	19.2	19.2	20.0	20.0
87.5°	9.6	9.6	9.6	10.4	9.6	9.6	9.6	10.4	9.6	9.6	9.6
90°	26.2	25.9	25.5	25.2	25.0	25.1	25.3	25.4	25.6	25.8	25.6
92.5°	23.7	23.9	24.0	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3
95°	48.6	48.6	48.6	48.6	48.6	48.4	48.1	47.8	47.4	47.1	47.4
97.5°	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
100°	104.7	104.7	104.7	104.7	104.7	104.6	104.5	104.3	104.2	104.0	104.2
102.5°	136.1	136.2	136.4	136.5	136.6	136.5	136.4	136.2	136.1	135.9	136.1
105°	167.3	167.7	168.0	168.3	168.5	168.5	168.5	168.5	168.5	168.5	168.5
107.5°	201.3	201.5	201.6	201.8	201.9	201.5	200.6	199.8	198.9	198.1	198.9
110°	236.0	236.0	236.0	236.0	236.0	235.8	235.3	234.8	234.3	233.8	234.3

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	271.2	270.7	270.2	269.7	269.4	269.2	268.9	268.6	268.2	267.9	268.2
115°	306.4	306.3	306.1	306.0	305.9	305.6	305.1	304.6	304.1	303.6	304.1
117.5°	341.0	340.5	340.0	339.5	339.3	339.0	338.5	338.0	337.5	337.0	337.5
120°	374.9	374.9	374.9	374.9	374.9	374.6	374.1	373.6	373.1	372.6	373.1
122.5°	410.9	410.4	409.9	409.4	409.1	408.9	408.6	408.3	407.9	407.6	407.9
125°	445.8	445.3	444.8	444.3	444.0	443.9	443.7	443.6	443.4	443.2	443.4
127.5°	479.7	479.1	478.4	477.7	477.4	477.1	476.6	476.1	475.6	475.1	475.6
130°	514.3	513.9	513.6	513.3	513.1	512.8	512.1	511.4	510.7	510.0	510.7
132.5°	548.7	547.8	547.0	546.1	545.7	545.4	544.9	544.4	543.9	543.4	543.9
135°	581.2	581.0	580.9	580.7	580.6	580.3	579.8	579.3	578.8	578.3	578.8
137.5°	613.0	612.9	612.7	612.6	612.5	612.2	611.5	610.8	610.1	609.4	610.1
140°	645.1	645.1	645.1	645.1	645.1	644.8	644.1	643.4	642.8	642.1	642.8
142.5°	674.2	674.3	674.5	674.6	674.7	674.4	673.7	673.0	672.4	671.7	672.4
145°	703.8	703.9	704.1	704.2	704.3	704.0	703.3	702.6	702.0	701.3	702.0
147.5°	729.7	730.1	730.4	730.7	730.9	730.6	729.9	729.2	728.5	727.8	728.5
150°	754.1	754.6	755.1	755.6	755.9	755.6	755.1	754.6	754.1	753.6	754.1
152.5°	778.6	779.3	780.0	780.7	781.0	780.7	780.0	779.3	778.6	777.9	778.6
155°	798.5	799.4	800.2	801.1	801.5	801.2	800.7	800.2	799.7	799.2	799.7
157.5°	817.8	819.0	820.1	821.3	821.9	821.5	820.7	819.8	819.0	818.2	819.0
160°	835.1	836.1	837.1	838.1	838.6	838.3	837.6	836.9	836.3	835.6	836.3
162.5°	850.5	851.7	852.8	854.0	854.6	854.2	853.3	852.5	851.6	850.8	851.6
165°	863.4	864.6	865.7	866.9	867.5	867.1	866.2	865.4	864.5	863.7	864.5
167.5°	874.8	876.0	877.1	878.3	878.9	878.5	877.6	876.8	875.9	875.1	875.9
170°	883.9	885.1	886.2	887.4	888.0	887.5	886.5	885.4	884.4	883.4	884.4
172.5°	890.7	891.9	893.0	894.2	894.8	894.3	893.3	892.3	891.3	890.3	891.3
175°	895.2	896.4	897.6	898.8	899.4	898.9	897.9	896.8	895.8	894.8	895.8
177.5°	898.1	899.1	900.1	901.1	901.6	901.1	900.1	899.1	898.1	897.1	898.1
180°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	1019.9	1014.8	1010.3	1011.1	1014.8	1011.8	1004.4	994.8	991.1	986.6	991.1
5°	1081.3	1076.9	1068.0	1068.7	1066.5	1063.6	1051.7	1036.9	1036.9	1025.1	1023.6
7.5°	1142.0	1135.3	1129.4	1127.9	1119.8	1113.9	1103.5	1082.8	1074.7	1060.6	1052.5
10°	1210.0	1204.8	1198.2	1190.0	1185.6	1175.3	1158.2	1127.9	1113.1	1093.9	1079.8
12.5°	1278.8	1278.1	1263.3	1247.0	1246.3	1230.0	1218.2	1177.5	1157.5	1131.6	1098.3
15°	1322.4	1318.7	1310.6	1302.5	1304.7	1286.9	1260.3	1212.2	1198.9	1167.9	1132.4
17.5°	1321.7	1321.7	1319.5	1318.0	1315.8	1310.6	1295.8	1264.0	1242.6	1203.4	1170.1
20°	1279.5	1289.2	1291.4	1290.6	1298.0	1301.7	1301.0	1281.0	1264.0	1229.2	1195.2
22.5°	1195.2	1217.4	1227.0	1232.9	1248.5	1256.6	1275.8	1268.4	1264.0	1238.1	1209.3
25°	1116.8	1124.2	1153.1	1154.5	1176.0	1196.0	1215.2	1227.8	1244.0	1234.4	1210.0
27.5°	1015.5	1032.5	1053.2	1068.7	1073.2	1113.9	1145.7	1169.3	1206.3	1209.3	1201.1
30°	900.9	909.0	943.0	963.7	987.4	1017.0	1062.8	1103.5	1136.8	1167.1	1177.5
32.5°	761.1	794.3	814.3	839.5	860.2	912.7	968.9	1021.4	1059.9	1110.9	1133.1
35°	633.1	659.0	693.0	703.4	741.1	785.5	858.7	926.0	984.4	1036.2	1081.3
37.5°	527.3	548.1	584.3	600.6	622.8	679.7	741.1	824.7	894.9	958.5	1014.8
40°	454.9	470.4	497.8	502.9	521.4	573.2	622.8	701.2	794.3	880.1	941.5
42.5°	405.3	412.7	431.2	437.9	449.7	484.4	528.8	602.8	689.3	778.1	864.6
45°	369.8	375.0	386.1	392.0	406.8	422.3	458.6	517.7	585.8	675.3	768.5
47.5°	338.0	344.7	349.1	352.8	360.9	377.9	401.6	445.2	510.3	592.4	682.7
50°	311.4	313.6	321.7	322.5	327.7	338.7	360.9	387.6	439.3	505.9	593.2
52.5°	284.8	287.0	292.1	297.3	299.5	308.4	323.2	345.4	383.9	436.4	514.0
55°	258.1	261.1	266.3	270.0	272.2	279.6	288.5	309.9	340.2	377.2	440.8
57.5°	231.5	238.2	239.6	241.9	245.6	253.7	261.8	274.4	298.1	332.1	378.7
60°	206.4	208.6	213.7	216.0	219.7	224.1	234.5	244.1	261.1	287.7	329.9
62.5°	180.5	185.6	187.9	190.1	193.0	198.2	204.9	215.2	230.0	251.5	284.8
65°	158.3	159.0	163.5	166.4	169.4	173.1	179.7	189.3	198.2	218.2	242.6
67.5°	136.8	138.3	139.8	142.7	146.4	150.1	156.1	161.2	172.3	185.6	204.9
70°	116.1	116.1	119.8	122.0	121.3	125.7	130.2	136.1	144.2	156.8	172.3
72.5°	97.6	96.9	99.8	100.6	102.1	105.0	108.0	113.9	118.3	128.0	139.8
75°	77.7	79.1	80.6	80.6	82.8	85.1	88.0	91.0	96.2	102.1	110.9
77.5°	61.4	61.4	62.9	63.6	65.8	65.1	68.0	71.0	74.7	79.9	86.5
80°	45.1	46.6	46.6	46.6	47.3	48.1	51.0	53.3	55.5	59.2	62.1
82.5°	31.8	31.8	33.3	33.3	33.3	34.8	34.8	35.5	37.0	39.2	41.4
85°	20.0	20.0	20.0	20.7	20.0	20.7	22.2	21.4	22.2	23.7	23.7
87.5°	9.6	9.6	9.6	9.6	9.6	10.4	9.6	10.4	11.1	11.1	11.1
90°	25.4	25.3	25.1	25.0	25.2	25.5	25.9	26.2	26.6	22.9	19.2
92.5°	24.3	24.3	24.3	24.3	24.2	24.0	23.9	23.7	23.5	23.3	23.2
95°	47.8	48.1	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.3	47.9
97.5°	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.2	74.6
100°	104.3	104.5	104.6	104.7	104.7	104.7	104.7	104.7	104.7	104.2	103.7
102.5°	136.2	136.4	136.5	136.6	136.5	136.4	136.2	136.1	135.9	135.2	134.5
105°	168.5	168.5	168.5	168.5	168.3	168.0	167.7	167.3	167.0	166.7	166.3
107.5°	199.8	200.6	201.5	201.9	201.8	201.6	201.5	201.3	201.1	201.1	201.1
110°	234.8	235.3	235.8	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	268.6	268.9	269.2	269.4	269.7	270.2	270.7	271.2	271.7	271.9	272.1
115°	304.6	305.1	305.6	305.9	306.0	306.1	306.3	306.4	306.6	306.9	307.3
117.5°	338.0	338.5	339.0	339.3	339.5	340.0	340.5	341.0	341.5	342.3	343.2
120°	373.6	374.1	374.6	374.9	374.9	374.9	374.9	374.9	374.9	376.3	377.6
122.5°	408.3	408.6	408.9	409.1	409.4	409.9	410.4	410.9	411.4	412.2	413.0
125°	443.6	443.7	443.9	444.0	444.3	444.8	445.3	445.8	446.3	446.8	447.3
127.5°	476.1	476.6	477.1	477.4	477.7	478.4	479.1	479.7	480.4	481.1	481.8
130°	511.4	512.1	512.8	513.1	513.3	513.6	513.9	514.3	514.6	514.9	515.3
132.5°	544.4	544.9	545.4	545.7	546.1	547.0	547.8	548.7	549.5	549.3	549.1
135°	579.3	579.8	580.3	580.6	580.7	580.9	581.0	581.2	581.4	581.0	580.7
137.5°	610.8	611.5	612.2	612.5	612.6	612.7	612.9	613.0	613.2	612.9	612.5
140°	643.4	644.1	644.8	645.1	645.1	645.1	645.1	645.1	645.1	644.3	643.4
142.5°	673.0	673.7	674.4	674.7	674.6	674.5	674.3	674.2	674.0	673.5	673.0
145°	702.6	703.3	704.0	704.3	704.2	704.1	703.9	703.8	703.6	702.6	701.6
147.5°	729.2	729.9	730.6	730.9	730.7	730.4	730.1	729.7	729.4	728.7	728.0
150°	754.6	755.1	755.6	755.9	755.6	755.1	754.6	754.1	753.6	752.9	752.3
152.5°	779.3	780.0	780.7	781.0	780.7	780.0	779.3	778.6	777.9	777.1	776.2
155°	800.2	800.7	801.2	801.5	801.1	800.2	799.4	798.5	797.7	797.2	796.7
157.5°	819.8	820.7	821.5	821.9	821.3	820.1	819.0	817.8	816.6	816.3	815.9
160°	836.9	837.6	838.3	838.6	838.1	837.1	836.1	835.1	834.1	833.9	833.7
162.5°	852.5	853.3	854.2	854.6	854.0	852.8	851.7	850.5	849.3	849.1	848.9
165°	865.4	866.2	867.1	867.5	866.9	865.7	864.6	863.4	862.2	862.2	862.2
167.5°	876.8	877.6	878.5	878.9	878.3	877.1	876.0	874.8	873.6	873.6	873.6
170°	885.4	886.5	887.5	888.0	887.4	886.2	885.1	883.9	882.7	882.9	883.0
172.5°	892.3	893.3	894.3	894.8	894.2	893.0	891.9	890.7	889.5	889.7	889.9
175°	896.8	897.9	898.9	899.4	898.8	897.6	896.4	895.2	894.0	894.4	894.7
177.5°	899.1	900.1	901.1	901.6	901.1	900.1	899.1	898.1	897.1	897.4	897.8
180°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	987.4	983.7	981.5	983.0	978.5	967.4	967.4	971.1	966.7	962.2	955.6
5°	1014.8	1007.4	1002.9	1002.2	991.8	974.1	970.4	966.7	957.1	946.7	935.6
7.5°	1041.4	1028.1	1020.7	1015.5	1000.7	977.8	968.2	960.0	944.5	929.0	914.9
10°	1063.6	1044.3	1035.5	1027.3	1008.1	979.3	963.7	948.9	929.0	909.0	891.2
12.5°	1081.3	1059.1	1048.0	1036.2	1012.5	974.8	955.6	931.9	911.9	885.3	867.6
15°	1110.9	1065.0	1054.7	1043.6	1019.2	967.4	943.8	917.1	889.8	854.3	835.0
17.5°	1134.6	1073.2	1072.4	1048.8	1017.0	964.5	928.2	893.5	863.9	828.4	798.0
20°	1148.6	1085.8	1073.9	1049.5	1009.6	944.5	906.8	868.3	836.5	793.6	763.3
22.5°	1160.5	1103.5	1072.4	1042.9	994.0	937.8	882.4	846.1	802.5	755.9	727.0
25°	1164.9	1107.2	1074.7	1040.6	983.0	918.6	855.7	816.5	767.7	725.6	686.4
27.5°	1165.6	1106.5	1066.5	1031.0	967.4	893.5	829.1	787.7	733.7	684.9	645.7
30°	1158.2	1098.3	1062.1	1023.6	952.6	870.5	796.6	750.7	693.0	644.2	603.5
32.5°	1136.1	1082.1	1052.5	1010.3	933.4	838.7	765.5	714.5	653.8	605.7	566.5
35°	1099.1	1062.1	1029.5	990.3	908.3	809.1	734.4	674.5	613.1	567.3	530.3
37.5°	1053.2	1033.2	1002.9	964.5	879.4	782.5	699.7	633.1	571.7	527.3	491.1
40°	991.1	996.3	966.7	931.9	845.4	746.3	654.6	591.0	533.3	491.8	456.3
42.5°	923.8	945.2	928.2	894.9	807.7	706.3	621.3	551.0	494.8	451.9	422.3
45°	851.3	888.3	877.9	853.5	768.5	664.2	573.9	505.9	456.3	414.9	389.0
47.5°	772.2	824.7	824.7	806.9	724.8	622.0	533.3	463.7	414.9	385.3	360.2
50°	691.5	750.7	760.3	748.5	676.0	573.9	483.7	420.8	378.7	349.8	331.3
52.5°	607.2	676.0	693.8	687.8	624.2	528.1	443.0	381.6	343.2	318.0	301.8
55°	526.6	606.5	625.7	627.9	568.8	477.8	397.9	343.9	306.9	289.9	275.9
57.5°	450.4	527.3	548.8	552.5	512.6	431.9	355.8	308.4	275.1	261.1	250.0
60°	385.3	449.7	477.8	485.9	451.2	378.7	316.6	270.7	245.6	232.2	221.9
62.5°	332.1	383.9	413.4	415.7	400.1	332.1	275.9	237.4	216.0	204.1	199.0
65°	280.3	326.9	344.7	353.5	341.0	287.7	238.2	206.4	189.3	179.0	173.8
67.5°	238.9	268.5	283.3	295.1	282.5	242.6	202.7	176.8	164.2	153.8	150.9
70°	196.0	220.4	231.5	243.3	232.2	201.9	173.1	149.4	138.3	130.2	126.5
72.5°	156.8	176.0	186.4	193.8	187.1	162.0	138.3	122.0	113.9	108.0	105.8
75°	124.3	137.6	143.5	148.7	145.7	126.5	111.7	98.4	91.0	85.8	84.3
77.5°	94.7	104.3	110.9	112.4	108.7	96.2	83.6	75.4	69.5	66.6	65.1
80°	67.3	73.2	76.9	79.1	75.4	70.3	61.4	55.5	50.3	46.6	45.9
82.5°	45.1	48.1	51.0	50.3	48.8	44.4	39.2	36.2	34.0	31.1	31.1
85°	25.9	26.6	28.1	28.8	28.1	25.1	22.2	20.7	19.2	17.0	17.0
87.5°	11.1	11.8	11.8	12.6	11.1	11.1	9.6	8.1	8.1	7.4	6.7
90°	15.5	11.8	9.9	8.9	6.9	4.8	2.8	0.8	2.8	4.8	6.9
92.5°	23.0	22.9	22.8	22.1	20.8	19.4	18.1	16.7	18.1	19.4	20.8
95°	47.6	47.3	47.1	46.3	44.6	42.9	41.2	39.5	41.2	42.9	44.6
97.5°	73.9	73.2	72.9	72.1	70.6	69.1	67.5	66.0	67.5	69.1	70.6
100°	103.2	102.7	102.5	101.8	100.5	99.1	97.8	96.4	97.8	99.1	100.5
102.5°	133.8	133.1	132.8	132.3	131.3	130.3	129.3	128.3	129.3	130.3	131.3
105°	166.0	165.7	165.5	165.2	164.7	164.2	163.7	163.2	163.7	164.2	164.7
107.5°	201.1	201.1	201.1	200.8	200.1	199.4	198.8	198.1	198.8	199.4	200.1
110°	236.0	236.0	236.0	235.5	234.5	233.5	232.5	231.5	232.5	233.5	234.5

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	272.2	272.4	272.5	272.0	271.0	269.9	268.9	267.9	268.9	269.9	271.0
115°	307.6	307.9	308.1	307.6	306.6	305.6	304.6	303.6	304.6	305.6	306.6
117.5°	344.0	344.9	345.3	344.6	343.3	342.0	340.6	339.3	340.6	342.0	343.3
120°	379.0	380.3	381.0	380.3	379.0	377.6	376.3	374.9	376.3	377.6	379.0
122.5°	413.9	414.7	415.1	414.3	412.6	410.9	409.3	407.6	409.3	410.9	412.6
125°	447.8	448.3	448.5	447.7	446.2	444.7	443.2	441.7	443.2	444.7	446.2
127.5°	482.5	483.2	483.5	482.6	480.7	478.8	477.0	475.1	477.0	478.8	480.7
130°	515.6	515.9	516.1	515.0	512.8	510.6	508.4	506.2	508.4	510.6	512.8
132.5°	549.0	548.8	548.7	547.9	546.2	544.5	542.8	541.1	542.8	544.5	546.2
135°	580.3	580.0	579.8	578.9	577.0	575.2	573.3	571.5	573.3	575.2	577.0
137.5°	612.2	611.9	611.7	610.9	609.4	607.9	606.4	604.9	606.4	607.9	609.4
140°	642.6	641.7	641.3	640.5	639.0	637.5	636.0	634.5	636.0	637.5	639.0
142.5°	672.5	672.0	671.7	670.9	669.4	667.9	666.3	664.8	666.3	667.9	669.4
145°	700.5	699.5	699.0	698.4	697.2	696.1	694.9	693.7	694.9	696.1	697.2
147.5°	727.3	726.6	726.3	725.5	724.0	722.5	721.0	719.5	721.0	722.5	724.0
150°	751.6	750.9	750.6	750.1	749.1	748.1	747.1	746.1	747.1	748.1	749.1
152.5°	775.4	774.5	774.1	773.6	772.6	771.6	770.6	769.6	770.6	771.6	772.6
155°	796.2	795.7	795.4	795.1	794.6	794.1	793.6	793.1	793.6	794.1	794.6
157.5°	815.6	815.3	815.1	814.9	814.6	814.3	813.9	813.6	813.9	814.3	814.6
160°	833.6	833.4	833.3	833.1	832.8	832.5	832.1	831.8	832.1	832.5	832.8
162.5°	848.8	848.6	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5
165°	862.2	862.2	862.2	862.3	862.4	862.6	862.7	862.9	862.7	862.6	862.4
167.5°	873.6	873.6	873.6	873.8	874.3	874.8	875.3	875.8	875.3	874.8	874.3
170°	883.2	883.3	883.4	883.7	884.2	884.7	885.2	885.7	885.2	884.7	884.2
172.5°	890.0	890.2	890.3	890.5	891.0	891.5	892.0	892.5	892.0	891.5	891.0
175°	895.1	895.4	895.6	895.8	896.3	896.8	897.3	897.8	897.3	896.8	896.3
177.5°	898.1	898.4	898.6	898.9	899.4	899.9	900.4	900.9	900.4	899.9	899.4
180°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	951.9	955.6	954.8	947.5	939.3	932.7	920.1	921.6	917.1	917.9	922.3
5°	928.2	928.2	925.3	914.9	901.6	894.2	880.1	876.4	867.6	866.8	866.1
7.5°	903.1	899.4	895.7	880.9	864.6	852.8	833.5	829.1	820.2	814.3	811.4
10°	873.5	868.3	860.9	843.9	823.9	809.1	789.2	783.3	766.2	758.8	754.4
12.5°	840.9	838.0	826.2	812.1	779.6	763.3	734.4	740.4	723.3	708.6	706.3
15°	808.4	797.3	790.7	767.7	728.5	721.1	698.2	686.4	670.8	659.0	659.0
17.5°	776.6	759.6	744.8	720.4	691.5	670.8	653.8	647.9	628.7	616.8	614.6
20°	734.4	715.2	711.5	676.8	656.8	633.9	617.6	602.8	588.7	583.6	579.9
22.5°	694.5	672.3	666.4	636.8	616.8	593.9	577.6	567.3	556.9	553.2	546.6
25°	651.6	638.3	629.4	597.6	575.4	554.0	542.9	535.5	525.9	525.1	520.7
27.5°	610.2	597.6	588.7	558.4	542.1	522.2	513.3	505.2	500.0	497.8	495.5
30°	574.7	560.6	550.3	528.1	508.1	491.8	484.4	479.3	476.3	472.6	471.9
32.5°	535.5	527.3	513.3	496.3	480.8	465.2	460.8	457.1	452.6	451.2	450.4
35°	502.2	491.1	482.2	463.0	456.3	443.0	437.9	434.9	429.0	427.5	426.0
37.5°	469.7	459.3	449.7	437.9	425.3	417.9	414.9	410.5	407.5	408.3	406.8
40°	437.1	429.0	421.6	409.0	401.6	397.9	392.0	387.6	386.1	386.8	386.1
42.5°	405.3	397.9	393.5	383.9	376.5	372.8	369.1	364.6	366.9	366.9	369.1
45°	376.5	369.8	366.9	359.5	355.0	349.1	345.4	344.7	347.6	346.9	346.9
47.5°	346.9	344.7	341.0	334.3	328.4	324.7	324.0	324.0	326.9	328.4	327.7
50°	324.0	319.5	315.1	309.9	305.5	304.0	301.8	303.2	306.2	306.2	307.7
52.5°	295.1	292.1	290.7	286.2	283.3	283.3	283.3	284.0	286.2	288.5	287.7
55°	270.0	267.7	266.3	264.0	260.3	261.1	260.3	261.8	264.0	266.3	267.7
57.5°	243.3	242.6	241.1	237.4	237.4	236.7	238.9	239.6	243.3	244.8	247.0
60°	219.7	217.4	217.4	214.5	214.5	214.5	216.7	218.9	221.9	222.6	224.1
62.5°	194.5	194.5	193.8	191.6	191.6	193.8	194.5	197.5	199.0	199.0	201.2
65°	170.9	170.1	169.4	170.1	170.9	170.9	173.1	174.5	176.0	176.8	177.5
67.5°	147.2	146.4	147.9	147.2	148.7	151.6	150.9	153.1	155.3	155.3	156.1
70°	125.0	126.5	125.7	127.2	126.5	128.0	130.2	130.9	130.9	131.7	133.9
72.5°	104.3	104.3	104.3	103.5	104.3	105.8	107.2	108.0	109.5	110.2	112.4
75°	84.3	84.3	82.8	84.3	84.3	85.8	87.3	87.3	87.3	88.8	91.0
77.5°	63.6	64.3	63.6	65.1	65.1	65.8	67.3	66.6	68.0	68.8	69.5
80°	46.6	45.9	45.9	45.9	46.6	46.6	48.1	48.8	48.8	51.0	49.6
82.5°	29.6	30.3	29.6	30.3	30.3	31.1	30.3	31.1	31.8	33.3	32.5
85°	17.0	16.3	16.3	17.0	16.3	16.3	17.0	16.3	17.0	16.3	17.0
87.5°	6.7	5.9	5.9	5.9	5.9	5.2	5.2	4.4	4.4	4.4	3.7
90°	8.9	9.9	11.8	15.5	19.2	22.9	26.6	26.2	25.9	25.5	25.2
92.5°	22.1	22.8	22.9	23.0	23.2	23.3	23.5	23.7	23.9	24.0	24.2
95°	46.3	47.1	47.3	47.6	47.9	48.3	48.6	48.6	48.6	48.6	48.6
97.5°	72.1	72.9	73.2	73.9	74.6	75.2	75.9	75.9	75.9	75.9	75.9
100°	101.8	102.5	102.7	103.2	103.7	104.2	104.7	104.7	104.7	104.7	104.7
102.5°	132.3	132.8	133.1	133.8	134.5	135.2	135.9	136.1	136.2	136.4	136.5
105°	165.2	165.5	165.7	166.0	166.3	166.7	167.0	167.3	167.7	168.0	168.3
107.5°	200.8	201.1	201.1	201.1	201.1	201.1	201.1	201.3	201.5	201.6	201.8
110°	235.5	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	272.0	272.5	272.4	272.2	272.1	271.9	271.7	271.2	270.7	270.2	269.7
115°	307.6	308.1	307.9	307.6	307.3	306.9	306.6	306.4	306.3	306.1	306.0
117.5°	344.6	345.3	344.9	344.0	343.2	342.3	341.5	341.0	340.5	340.0	339.5
120°	380.3	381.0	380.3	379.0	377.6	376.3	374.9	374.9	374.9	374.9	374.9
122.5°	414.3	415.1	414.7	413.9	413.0	412.2	411.4	410.9	410.4	409.9	409.4
125°	447.7	448.5	448.3	447.8	447.3	446.8	446.3	445.8	445.3	444.8	444.3
127.5°	482.6	483.5	483.2	482.5	481.8	481.1	480.4	479.7	479.1	478.4	477.7
130°	515.0	516.1	515.9	515.6	515.3	514.9	514.6	514.3	513.9	513.6	513.3
132.5°	547.9	548.7	548.8	549.0	549.1	549.3	549.5	548.7	547.8	547.0	546.1
135°	578.9	579.8	580.0	580.3	580.7	581.0	581.4	581.2	581.0	580.9	580.7
137.5°	610.9	611.7	611.9	612.2	612.5	612.9	613.2	613.0	612.9	612.7	612.6
140°	640.5	641.3	641.7	642.6	643.4	644.3	645.1	645.1	645.1	645.1	645.1
142.5°	670.9	671.7	672.0	672.5	673.0	673.5	674.0	674.2	674.3	674.5	674.6
145°	698.4	699.0	699.5	700.5	701.6	702.6	703.6	703.8	703.9	704.1	704.2
147.5°	725.5	726.3	726.6	727.3	728.0	728.7	729.4	729.7	730.1	730.4	730.7
150°	750.1	750.6	750.9	751.6	752.3	752.9	753.6	754.1	754.6	755.1	755.6
152.5°	773.6	774.1	774.5	775.4	776.2	777.1	777.9	778.6	779.3	780.0	780.7
155°	795.1	795.4	795.7	796.2	796.7	797.2	797.7	798.5	799.4	800.2	801.1
157.5°	814.9	815.1	815.3	815.6	815.9	816.3	816.6	817.8	819.0	820.1	821.3
160°	833.1	833.3	833.4	833.6	833.7	833.9	834.1	835.1	836.1	837.1	838.1
162.5°	848.5	848.5	848.6	848.8	848.9	849.1	849.3	850.5	851.7	852.8	854.0
165°	862.3	862.2	862.2	862.2	862.2	862.2	862.2	863.4	864.6	865.7	866.9
167.5°	873.8	873.6	873.6	873.6	873.6	873.6	873.6	874.8	876.0	877.1	878.3
170°	883.7	883.4	883.3	883.2	883.0	882.9	882.7	883.9	885.1	886.2	887.4
172.5°	890.5	890.3	890.2	890.0	889.9	889.7	889.5	890.7	891.9	893.0	894.2
175°	895.8	895.6	895.4	895.1	894.7	894.4	894.0	895.2	896.4	897.6	898.8
177.5°	898.9	898.6	898.4	898.1	897.8	897.4	897.1	898.1	899.1	900.1	901.1
180°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	917.1	919.3	914.2	912.7	914.2	909.0	910.5	911.9	911.9	914.2	915.6
5°	863.9	860.9	855.7	854.3	852.8	855.0	853.5	855.7	856.5	861.7	862.4
7.5°	811.4	806.9	802.5	798.0	796.6	792.9	796.6	796.6	801.7	800.3	804.0
10°	749.2	748.5	742.6	740.4	737.4	731.5	739.6	737.4	741.1	747.8	749.2
12.5°	703.4	695.2	698.9	688.6	692.3	686.4	687.1	687.1	693.0	693.8	692.3
15°	659.7	653.1	643.5	639.0	636.8	633.9	643.5	644.2	639.8	650.1	646.4
17.5°	615.4	615.4	606.5	604.3	598.4	601.3	599.8	600.6	599.1	606.5	610.2
20°	576.9	573.2	570.2	571.0	563.6	562.1	560.6	562.1	567.3	572.5	573.9
22.5°	545.8	543.6	536.2	537.7	531.8	534.0	532.5	536.2	537.0	537.0	542.1
25°	516.3	513.3	514.0	511.1	508.9	508.9	506.6	508.9	511.8	513.3	514.0
27.5°	494.1	491.8	488.1	485.9	487.4	483.7	486.7	488.9	488.9	487.4	488.9
30°	467.4	468.9	468.9	461.5	464.5	463.0	465.2	466.7	466.7	467.4	466.0
32.5°	449.7	445.2	444.5	443.8	443.8	440.8	440.8	443.0	443.8	444.5	446.7
35°	426.0	426.0	422.3	424.5	421.6	422.3	421.6	422.3	423.8	421.6	423.8
37.5°	404.6	405.3	403.8	405.3	406.1	404.6	403.1	406.1	404.6	404.6	403.1
40°	386.1	385.3	386.1	386.1	386.1	386.8	385.3	385.3	385.3	383.9	382.4
42.5°	370.5	366.1	367.6	368.3	366.1	366.1	366.9	366.1	368.3	363.9	363.9
45°	348.4	346.9	347.6	347.6	349.1	346.9	348.4	349.1	346.9	346.1	344.7
47.5°	328.4	329.9	328.4	329.9	329.9	331.3	328.4	329.1	329.9	326.9	324.7
50°	308.4	308.4	310.6	309.9	310.6	309.2	309.2	308.4	309.2	307.7	305.5
52.5°	289.9	287.7	291.4	290.7	289.9	289.2	288.5	289.2	287.7	286.2	286.2
55°	267.0	267.0	269.2	270.0	270.0	268.5	267.0	267.7	267.0	266.3	265.5
57.5°	248.5	245.6	247.0	247.8	247.8	245.6	247.0	245.6	245.6	246.3	244.1
60°	224.8	224.8	223.4	225.6	225.6	224.1	224.1	224.8	223.4	222.6	221.9
62.5°	199.7	200.4	202.7	203.4	204.1	202.7	201.2	201.9	201.9	199.7	200.4
65°	178.2	179.7	182.7	181.9	180.5	181.2	179.7	180.5	178.2	179.0	176.8
67.5°	157.5	156.8	157.5	157.5	159.0	158.3	156.8	156.8	156.1	158.3	156.1
70°	135.4	135.4	135.4	135.4	136.1	136.8	135.4	133.9	134.6	133.1	132.4
72.5°	112.4	113.2	112.4	113.9	111.7	113.2	113.2	112.4	111.7	111.7	111.7
75°	91.0	92.5	90.2	91.0	90.2	91.7	91.0	91.0	89.5	88.8	89.5
77.5°	69.5	70.3	68.8	69.5	68.8	69.5	69.5	68.8	68.8	68.8	68.8
80°	49.6	50.3	49.6	48.8	48.1	49.6	48.1	48.8	49.6	48.8	50.3
82.5°	31.8	31.8	31.1	31.8	30.3	30.3	31.1	31.1	30.3	31.8	30.3
85°	15.5	15.5	17.0	15.5	14.8	14.8	14.8	15.5	14.8	16.3	15.5
87.5°	3.7	3.0	3.7	3.7	3.0	3.0	3.7	3.0	3.7	4.4	3.0
90°	25.0	25.1	25.3	25.4	25.6	25.8	25.6	25.4	25.3	25.1	25.0
92.5°	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
95°	48.6	48.4	48.1	47.8	47.4	47.1	47.4	47.8	48.1	48.4	48.6
97.5°	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
100°	104.7	104.6	104.5	104.3	104.2	104.0	104.2	104.3	104.5	104.6	104.7
102.5°	136.6	136.5	136.4	136.2	136.1	135.9	136.1	136.2	136.4	136.5	136.6
105°	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5
107.5°	201.9	201.5	200.6	199.8	198.9	198.1	198.9	199.8	200.6	201.5	201.9
110°	236.0	235.8	235.3	234.8	234.3	233.8	234.3	234.8	235.3	235.8	236.0

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	269.4	269.2	268.9	268.6	268.2	267.9	268.2	268.6	268.9	269.2	269.4
115°	305.9	305.6	305.1	304.6	304.1	303.6	304.1	304.6	305.1	305.6	305.9
117.5°	339.3	339.0	338.5	338.0	337.5	337.0	337.5	338.0	338.5	339.0	339.3
120°	374.9	374.6	374.1	373.6	373.1	372.6	373.1	373.6	374.1	374.6	374.9
122.5°	409.1	408.9	408.6	408.3	407.9	407.6	407.9	408.3	408.6	408.9	409.1
125°	444.0	443.9	443.7	443.6	443.4	443.2	443.4	443.6	443.7	443.9	444.0
127.5°	477.4	477.1	476.6	476.1	475.6	475.1	475.6	476.1	476.6	477.1	477.4
130°	513.1	512.8	512.1	511.4	510.7	510.0	510.7	511.4	512.1	512.8	513.1
132.5°	545.7	545.4	544.9	544.4	543.9	543.4	543.9	544.4	544.9	545.4	545.7
135°	580.6	580.3	579.8	579.3	578.8	578.3	578.8	579.3	579.8	580.3	580.6
137.5°	612.5	612.2	611.5	610.8	610.1	609.4	610.1	610.8	611.5	612.2	612.5
140°	645.1	644.8	644.1	643.4	642.8	642.1	642.8	643.4	644.1	644.8	645.1
142.5°	674.7	674.4	673.7	673.0	672.4	671.7	672.4	673.0	673.7	674.4	674.7
145°	704.3	704.0	703.3	702.6	702.0	701.3	702.0	702.6	703.3	704.0	704.3
147.5°	730.9	730.6	729.9	729.2	728.5	727.8	728.5	729.2	729.9	730.6	730.9
150°	755.9	755.6	755.1	754.6	754.1	753.6	754.1	754.6	755.1	755.6	755.9
152.5°	781.0	780.7	780.0	779.3	778.6	777.9	778.6	779.3	780.0	780.7	781.0
155°	801.5	801.2	800.7	800.2	799.7	799.2	799.7	800.2	800.7	801.2	801.5
157.5°	821.9	821.5	820.7	819.8	819.0	818.2	819.0	819.8	820.7	821.5	821.9
160°	838.6	838.3	837.6	836.9	836.3	835.6	836.3	836.9	837.6	838.3	838.6
162.5°	854.6	854.2	853.3	852.5	851.6	850.8	851.6	852.5	853.3	854.2	854.6
165°	867.5	867.1	866.2	865.4	864.5	863.7	864.5	865.4	866.2	867.1	867.5
167.5°	878.9	878.5	877.6	876.8	875.9	875.1	875.9	876.8	877.6	878.5	878.9
170°	888.0	887.5	886.5	885.4	884.4	883.4	884.4	885.4	886.5	887.5	888.0
172.5°	894.8	894.3	893.3	892.3	891.3	890.3	891.3	892.3	893.3	894.3	894.8
175°	899.4	898.9	897.9	896.8	895.8	894.8	895.8	896.8	897.9	898.9	899.4
177.5°	901.6	901.1	900.1	899.1	898.1	897.1	898.1	899.1	900.1	901.1	901.6
180°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	913.4	919.3	917.1	909.0	918.6	918.6	925.3	925.3	933.4	936.4	940.8
5°	861.7	866.1	869.8	866.1	872.7	883.1	889.0	894.2	905.3	909.7	916.4
7.5°	806.2	814.3	818.0	818.0	829.1	840.9	852.8	860.2	875.7	881.6	888.3
10°	752.2	761.8	769.2	768.5	787.0	794.3	809.1	826.2	841.7	850.6	860.2
12.5°	695.2	700.4	710.8	725.6	730.0	743.3	760.3	781.8	809.9	818.0	832.1
15°	647.9	662.0	670.1	676.8	687.1	699.7	718.2	738.9	767.0	784.7	799.5
17.5°	608.0	626.5	631.6	630.2	643.5	662.7	684.1	699.7	724.8	746.3	760.3
20°	575.4	582.8	591.7	595.4	605.7	626.5	647.2	664.9	685.6	702.6	718.9
22.5°	542.9	548.8	556.2	562.8	571.0	582.8	602.8	625.0	644.9	661.2	679.7
25°	516.3	520.0	526.6	531.8	540.7	548.8	562.8	587.3	610.9	620.5	636.8
27.5°	490.4	493.3	497.8	503.7	508.1	516.3	528.8	548.8	573.2	582.8	605.0
30°	467.4	469.7	474.1	477.1	479.3	488.9	498.5	514.0	532.5	545.8	562.1
32.5°	446.0	448.2	452.6	453.4	456.3	461.5	470.4	484.4	500.7	511.8	525.9
35°	422.3	423.8	428.2	429.7	431.9	436.4	443.0	453.4	468.2	476.3	488.9
37.5°	403.8	403.1	406.1	408.3	411.2	413.4	415.7	426.0	437.1	444.5	454.1
40°	383.9	382.4	383.1	386.1	387.6	390.5	390.5	400.9	408.3	414.2	421.6
42.5°	363.9	363.2	361.7	363.2	364.6	365.4	366.1	373.5	380.9	386.1	394.2
45°	343.9	343.2	341.7	342.4	342.4	343.9	346.1	349.1	354.3	358.7	363.2
47.5°	325.4	324.0	321.7	321.0	322.5	322.5	322.5	325.4	330.6	332.1	336.5
50°	306.2	304.0	301.0	299.5	299.5	298.8	300.3	301.0	305.5	306.9	310.6
52.5°	285.5	284.0	281.1	278.1	278.8	277.4	278.1	278.8	280.3	282.5	284.8
55°	264.8	261.8	259.6	258.9	256.6	256.6	254.4	257.4	256.6	257.4	260.3
57.5°	244.8	241.9	238.2	236.7	234.5	233.7	232.2	231.5	232.2	234.5	236.7
60°	221.1	219.7	217.4	215.2	213.7	211.5	210.1	210.1	209.3	209.3	210.1
62.5°	198.2	197.5	194.5	193.8	192.3	190.8	188.6	187.1	187.1	188.6	189.3
65°	176.0	175.3	173.1	172.3	168.6	167.2	166.4	165.7	164.2	164.2	164.2
67.5°	155.3	153.1	153.1	149.4	146.4	145.0	143.5	142.7	142.7	142.7	143.5
70°	132.4	132.4	130.2	128.0	125.0	125.7	123.5	121.3	121.3	119.8	120.6
72.5°	110.2	109.5	107.2	106.5	104.3	102.1	100.6	102.1	99.8	99.1	99.8
75°	88.8	88.0	86.5	85.1	85.8	83.6	81.4	80.6	80.6	79.1	79.1
77.5°	68.0	69.5	66.6	65.8	64.3	62.9	62.1	61.4	61.4	61.4	62.9
80°	47.3	48.1	48.1	46.6	47.3	45.1	45.1	45.1	42.9	43.6	44.4
82.5°	30.3	30.3	29.6	30.3	29.6	29.6	28.8	28.8	28.1	28.1	28.8
85°	17.0	16.3	15.5	17.0	16.3	16.3	15.5	15.5	15.5	15.5	15.5
87.5°	3.7	4.4	4.4	4.4	4.4	5.2	5.2	5.2	5.9	5.9	5.9
90°	25.2	25.5	25.9	26.2	26.6	22.9	19.2	15.5	11.8	9.9	8.9
92.5°	24.2	24.0	23.9	23.7	23.5	23.3	23.2	23.0	22.9	22.8	22.1
95°	48.6	48.6	48.6	48.6	48.6	48.3	47.9	47.6	47.3	47.1	46.3
97.5°	75.9	75.9	75.9	75.9	75.9	75.2	74.6	73.9	73.2	72.9	72.1
100°	104.7	104.7	104.7	104.7	104.7	104.2	103.7	103.2	102.7	102.5	101.8
102.5°	136.5	136.4	136.2	136.1	135.9	135.2	134.5	133.8	133.1	132.8	132.3
105°	168.3	168.0	167.7	167.3	167.0	166.7	166.3	166.0	165.7	165.5	165.2
107.5°	201.8	201.6	201.5	201.3	201.1	201.1	201.1	201.1	201.1	201.1	200.8
110°	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	236.0	235.5

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	269.7	270.2	270.7	271.2	271.7	271.9	272.1	272.2	272.4	272.5	272.0
115°	306.0	306.1	306.3	306.4	306.6	306.9	307.3	307.6	307.9	308.1	307.6
117.5°	339.5	340.0	340.5	341.0	341.5	342.3	343.2	344.0	344.9	345.3	344.6
120°	374.9	374.9	374.9	374.9	374.9	376.3	377.6	379.0	380.3	381.0	380.3
122.5°	409.4	409.9	410.4	410.9	411.4	412.2	413.0	413.9	414.7	415.1	414.3
125°	444.3	444.8	445.3	445.8	446.3	446.8	447.3	447.8	448.3	448.5	447.7
127.5°	477.7	478.4	479.1	479.7	480.4	481.1	481.8	482.5	483.2	483.5	482.6
130°	513.3	513.6	513.9	514.3	514.6	514.9	515.3	515.6	515.9	516.1	515.0
132.5°	546.1	547.0	547.8	548.7	549.5	549.3	549.1	549.0	548.8	548.7	547.9
135°	580.7	580.9	581.0	581.2	581.4	581.0	580.7	580.3	580.0	579.8	578.9
137.5°	612.6	612.7	612.9	613.0	613.2	612.9	612.5	612.2	611.9	611.7	610.9
140°	645.1	645.1	645.1	645.1	645.1	644.3	643.4	642.6	641.7	641.3	640.5
142.5°	674.6	674.5	674.3	674.2	674.0	673.5	673.0	672.5	672.0	671.7	670.9
145°	704.2	704.1	703.9	703.8	703.6	702.6	701.6	700.5	699.5	699.0	698.4
147.5°	730.7	730.4	730.1	729.7	729.4	728.7	728.0	727.3	726.6	726.3	725.5
150°	755.6	755.1	754.6	754.1	753.6	752.9	752.3	751.6	750.9	750.6	750.1
152.5°	780.7	780.0	779.3	778.6	777.9	777.1	776.2	775.4	774.5	774.1	773.6
155°	801.1	800.2	799.4	798.5	797.7	797.2	796.7	796.2	795.7	795.4	795.1
157.5°	821.3	820.1	819.0	817.8	816.6	816.3	815.9	815.6	815.3	815.1	814.9
160°	838.1	837.1	836.1	835.1	834.1	833.9	833.7	833.6	833.4	833.3	833.1
162.5°	854.0	852.8	851.7	850.5	849.3	849.1	848.9	848.8	848.6	848.5	848.5
165°	866.9	865.7	864.6	863.4	862.2	862.2	862.2	862.2	862.2	862.2	862.3
167.5°	878.3	877.1	876.0	874.8	873.6	873.6	873.6	873.6	873.6	873.6	873.8
170°	887.4	886.2	885.1	883.9	882.7	882.9	883.0	883.2	883.3	883.4	883.7
172.5°	894.2	893.0	891.9	890.7	889.5	889.7	889.9	890.0	890.2	890.3	890.5
175°	898.8	897.6	896.4	895.2	894.0	894.4	894.7	895.1	895.4	895.6	895.8
177.5°	901.1	900.1	899.1	898.1	897.1	897.4	897.8	898.1	898.4	898.6	898.9
180°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4	899.4

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	962.2	962.2	962.2	962.2
2.5°	944.5	944.5	955.6	967.4
5°	923.8	929.0	946.7	963.0
7.5°	903.8	912.7	934.9	955.6
10°	879.4	891.2	918.6	943.0
12.5°	855.7	866.8	898.6	926.0
15°	822.5	836.5	870.5	904.6
17.5°	789.2	803.2	844.6	884.6
20°	750.0	768.5	815.1	868.3
22.5°	713.7	736.7	788.4	831.3
25°	673.8	709.3	757.4	812.8
27.5°	638.3	673.8	722.6	778.8
30°	598.4	634.6	684.9	736.7
32.5°	559.9	593.2	642.0	705.6
35°	520.0	551.8	599.1	663.4
37.5°	483.7	514.8	566.5	625.7
40°	448.2	480.8	525.1	584.3
42.5°	414.9	443.8	483.7	542.9
45°	384.6	405.3	442.3	497.8
47.5°	352.8	371.3	405.3	460.8
50°	323.2	338.7	368.3	420.1
52.5°	294.4	307.7	335.0	376.5
55°	268.5	281.1	301.0	341.7
57.5°	241.9	251.5	270.7	303.2
60°	216.0	224.8	240.4	267.0
62.5°	190.1	197.5	212.3	233.7
65°	167.2	173.1	184.2	202.7
67.5°	145.0	148.7	157.5	172.3
70°	123.5	126.5	133.9	145.7
72.5°	100.6	103.5	111.7	119.8
75°	81.4	82.1	88.0	94.7
77.5°	63.6	62.9	67.3	72.5
80°	43.6	45.9	49.6	51.8
82.5°	29.6	30.3	31.8	33.3
85°	16.3	17.0	17.0	19.2
87.5°	6.7	7.4	7.4	8.1
90°	6.9	4.8	2.8	0.8
92.5°	20.8	19.4	18.1	16.7
95°	44.6	42.9	41.2	39.5
97.5°	70.6	69.1	67.5	66.0
100°	100.5	99.1	97.8	96.4
102.5°	131.3	130.3	129.3	128.3
105°	164.7	164.2	163.7	163.2
107.5°	200.1	199.4	198.8	198.1
110°	234.5	233.5	232.5	231.5

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	271.0	269.9	268.9	267.9
115°	306.6	305.6	304.6	303.6
117.5°	343.3	342.0	340.6	339.3
120°	379.0	377.6	376.3	374.9
122.5°	412.6	410.9	409.3	407.6
125°	446.2	444.7	443.2	441.7
127.5°	480.7	478.8	477.0	475.1
130°	512.8	510.6	508.4	506.2
132.5°	546.2	544.5	542.8	541.1
135°	577.0	575.2	573.3	571.5
137.5°	609.4	607.9	606.4	604.9
140°	639.0	637.5	636.0	634.5
142.5°	669.4	667.9	666.3	664.8
145°	697.2	696.1	694.9	693.7
147.5°	724.0	722.5	721.0	719.5
150°	749.1	748.1	747.1	746.1
152.5°	772.6	771.6	770.6	769.6
155°	794.6	794.1	793.6	793.1
157.5°	814.6	814.3	813.9	813.6
160°	832.8	832.5	832.1	831.8
162.5°	848.5	848.5	848.5	848.5
165°	862.4	862.6	862.7	862.9
167.5°	874.3	874.8	875.3	875.8
170°	884.2	884.7	885.2	885.7
172.5°	891.0	891.5	892.0	892.5
175°	896.3	896.8	897.3	897.8
177.5°	899.4	899.9	900.4	900.9
180°	899.4	899.4	899.4	899.4

TEST NUMBER: P998598

CATALOG NUMBER: SA2XXDIP-B485D725UB40-4F0-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	14.90	15.69	15.90	16.70	18.03	12.39	13.19	13.39	14.19	15.52
	3H	15.71	16.42	16.72	17.43	18.79	13.73	14.44	14.74	15.46	16.81
	4H	15.87	16.55	16.89	17.56	18.92	14.19	14.86	15.21	15.88	17.24
	6H	15.91	16.53	16.95	17.56	18.93	14.49	15.11	15.53	16.14	17.51
	8H	15.89	16.48	16.93	17.52	18.89	14.58	15.17	15.61	16.20	17.57
	12H	15.85	16.41	16.89	17.44	18.84	14.62	15.18	15.66	16.21	17.60
4H	2H	14.93	15.61	15.96	16.62	17.99	12.83	13.50	13.86	14.52	15.88
	3H	15.91	16.47	16.94	17.51	18.89	14.28	14.84	15.32	15.89	17.27
	4H	16.18	16.69	17.23	17.73	19.13	14.82	15.33	15.86	16.37	17.76
	6H	16.31	16.75	17.36	17.81	19.20	15.19	15.63	16.25	16.69	18.09
	8H	16.31	16.72	17.36	17.77	19.18	15.30	15.71	16.36	16.77	18.17
	12H	16.27	16.64	17.34	17.71	19.12	15.36	15.73	16.43	16.79	18.21
8H	4H	16.19	16.60	17.24	17.65	19.06	14.95	15.37	16.01	16.42	17.83
	6H	16.36	16.70	17.44	17.80	19.20	15.39	15.73	16.46	16.82	18.23
	8H	16.39	16.69	17.48	17.77	19.19	15.54	15.83	16.62	16.91	18.34
	12H	16.37	16.64	17.46	17.71	19.18	15.63	15.89	16.71	16.96	18.43
12H	4H	16.14	16.51	17.21	17.58	18.99	14.93	15.30	16.00	16.36	17.78
	6H	16.34	16.64	17.43	17.72	19.14	15.39	15.68	16.47	16.76	18.19
	8H	16.37	16.63	17.46	17.71	19.17	15.54	15.80	16.63	16.88	18.34