

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: P998557

Luminaire Tested: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998557
REPORT IS A COMBINATION OF REPORTS P984300 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

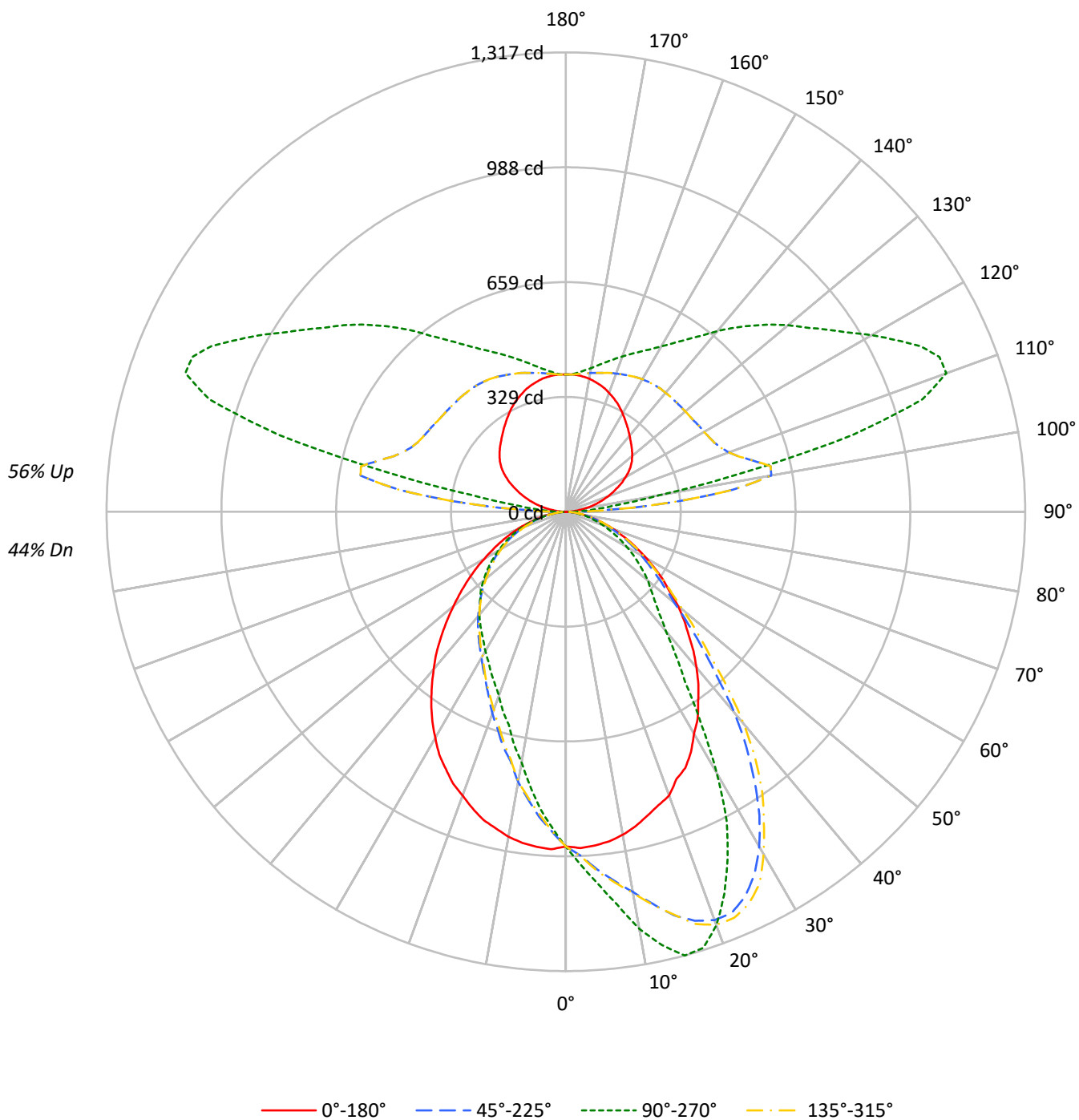
Lumens per Lamp: N/A
Luminaire Lumens: 4860.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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	80	80	80	64	64	64	50	50	50
1	97	93	89	86	88	85	82	79	71	68	66	57	56	54	45	44	43
2	88	81	76	71	81	75	70	65	62	59	56	51	48	46	40	39	37
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32
4	74	64	56	50	68	59	52	47	49	44	41	41	37	34	32	30	28
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	29	27	25
6	63	51	43	38	58	47	41	36	40	35	31	33	29	26	27	24	22
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20
8	54	42	35	30	50	39	32	28	33	28	24	28	24	21	23	20	18
9	50	39	31	26	46	36	29	25	31	26	22	26	22	19	21	18	16
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15188	15188	15188	15188
5°	15226	16194	15283	12885
10°	15048	17679	15142	10622
15°	14683	18647	14887	8948
20°	14455	17508	14455	7777
25°	13993	15041	14057	6954
30°	13236	11824	13488	6300
35°	12565	8176	12774	5763
40°	11791	6173	11927	5336
45°	10841	5073	11018	4875
50°	10017	4452	10037	4463
55°	9078	3794	9140	4015
60°	8078	3169	8190	3505
65°	7185	2577	7316	2993
70°	6293	2022	6453	2413
75°	5281	1468	5488	1751
80°	4120	931	4415	1039
85°	2712	468	2924	348

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15700 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	1.9
10°-20°	266.0	5.5
20°-30°	386.1	7.9
30°-40°	407.0	8.4
40°-50°	360.1	7.4
50°-60°	287.6	5.9
60°-70°	195.3	4.0
70°-80°	99.9	2.1
80°-90°	26.1	0.5
90°-100°	153.4	3.2
100°-110°	540.2	11.1
110°-120°	567.4	11.7
120°-130°	466.8	9.6
130°-140°	375.0	7.7
140°-150°	283.2	5.8
150°-160°	199.1	4.1
160°-170°	117.2	2.4
170°-180°	38.1	0.8
0°-30°	743.5	15.3
0°-40°	1150.4	23.7
0°-60°	1798.1	37.0
0°-90°	2119.5	43.6
90°-120°	1261.0	25.9
90°-150°	2386.0	49.1
90°-180°	2740.0	56.4
0°-180°	4860.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	960	960	960	960	960	
5°	960	1072	964	853	960	91
15°	902	1317	914	632	902	255
25°	810	1097	814	507	810	371
35°	662	597	673	421	662	414
45°	496	360	504	346	496	385
55°	341	253	343	268	341	304
65°	202	156	206	181	202	201
75°	94	77	98	92	94	101
85°	19	20	21	15	19	22
90°	1	25	1	25	1	3
95°	26	86	26	86	26	27
105°	92	853	92	853	92	98
115°	163	1122	163	1122	163	161
125°	227	910	227	910	227	202
135°	266	754	266	754	266	206
145°	304	602	304	602	304	191
155°	346	506	346	506	346	159
165°	377	444	377	444	377	106
175°	393	400	393	400	393	37
180°	394	394	394	394	394	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
2.5°	964.7	966.9	970.6	971.3	978.7	984.6	991.2	991.2	993.4	992.7	986.8
5°	960.3	966.9	976.5	984.6	997.9	1003.8	1012.6	1019.3	1025.2	1029.6	1028.9
7.5°	952.9	964.7	978.7	994.2	1011.9	1022.2	1034.8	1046.6	1054.7	1062.0	1067.2
10°	940.3	960.3	979.4	1000.1	1023.0	1037.0	1051.7	1067.2	1079.7	1093.8	1107.0
12.5°	923.4	952.1	975.7	1003.0	1031.1	1046.6	1070.2	1082.0	1106.3	1141.7	1151.3
15°	902.0	941.1	963.2	997.9	1034.8	1047.3	1079.7	1098.9	1149.1	1171.2	1197.7
17.5°	882.1	925.6	955.1	994.9	1031.1	1055.4	1087.1	1126.2	1168.2	1200.0	1229.5
20°	865.9	907.9	943.3	987.5	1033.3	1064.3	1097.4	1144.6	1190.4	1222.8	1245.7
22.5°	829.0	882.8	924.1	973.5	1028.9	1071.6	1103.3	1155.0	1204.4	1224.3	1244.2
25°	810.5	857.0	904.9	961.0	1025.9	1076.8	1104.1	1161.6	1205.1	1212.5	1216.9
27.5°	776.6	829.0	885.0	949.2	1025.2	1067.9	1102.6	1155.0	1189.6	1184.5	1171.2
30°	734.6	798.7	860.7	930.0	1014.8	1061.3	1093.8	1141.7	1159.4	1132.8	1109.2
32.5°	703.6	764.1	832.7	913.1	1003.0	1047.3	1079.0	1116.6	1120.3	1072.4	1032.5
35°	661.6	728.7	806.1	890.9	983.1	1023.0	1052.5	1075.3	1057.6	990.5	943.3
37.5°	623.9	690.3	772.9	859.2	955.8	994.9	1018.5	1022.2	978.7	919.7	850.4
40°	582.6	651.2	737.5	828.2	925.6	959.5	974.3	963.2	900.5	831.9	751.5
42.5°	541.3	609.2	702.1	795.1	887.2	916.0	921.9	891.7	815.0	734.6	641.6
45°	496.4	567.2	660.1	753.8	843.0	859.2	860.0	816.4	725.7	641.6	555.4
47.5°	459.5	525.1	617.3	711.0	786.2	797.3	792.8	742.7	643.9	549.5	474.2
50°	418.9	481.6	573.1	665.2	729.4	732.4	721.3	649.8	553.1	466.9	407.1
52.5°	375.4	438.8	522.9	611.4	668.9	664.5	643.1	566.4	475.7	404.2	358.4
55°	340.7	396.8	475.7	562.0	602.6	590.0	566.4	488.2	416.7	356.2	316.4
57.5°	302.4	351.8	429.2	504.5	528.1	516.3	492.7	419.7	353.3	307.5	281.0
60°	266.2	311.2	379.1	441.8	460.2	447.7	420.4	354.8	306.8	268.5	248.5
62.5°	233.1	272.1	328.9	386.5	393.8	381.3	357.7	304.6	263.3	233.1	218.3
65°	202.1	239.0	284.7	328.2	334.8	321.6	297.2	258.9	224.2	205.0	191.0
67.5°	171.8	201.3	241.9	273.6	277.3	264.8	244.9	213.9	192.5	171.8	161.5
70°	145.3	167.4	199.1	224.9	226.4	214.6	204.3	176.3	160.0	145.3	137.2
72.5°	119.5	135.0	159.3	178.5	179.2	171.8	162.3	144.6	130.5	120.2	112.1
75°	94.4	107.7	122.4	139.4	138.7	132.8	125.4	114.3	102.5	95.9	92.2
77.5°	72.3	80.4	92.2	103.3	103.3	100.3	95.9	87.8	80.4	73.8	70.1
80°	51.6	56.8	66.4	70.1	71.5	70.8	67.1	61.2	58.3	53.1	51.6
82.5°	33.2	36.9	41.3	45.0	47.2	45.7	45.0	42.0	37.6	36.1	34.7
85°	19.2	20.7	22.9	25.1	25.8	25.1	26.6	24.3	22.1	22.1	21.4
87.5°	8.1	8.9	10.3	10.3	11.1	11.1	10.3	11.1	11.1	10.3	9.6
90°	0.8	3.0	6.1	7.6	9.1	10.2	11.4	15.1	20.4	25.0	25.7
92.5°	11.4	15.9	21.9	25.7	31.8	36.0	40.1	60.5	89.3	115.0	116.5
95°	26.5	29.5	37.1	43.9	56.0	65.1	74.2	109.0	174.8	262.6	296.7
97.5°	39.4	43.9	52.2	62.1	75.7	85.9	96.1	140.8	232.3	373.8	483.6
100°	58.3	60.5	67.4	79.5	94.6	105.2	115.8	155.9	248.2	411.7	597.8
102.5°	75.7	77.2	84.0	96.1	112.0	122.6	133.2	169.5	249.0	397.3	601.6
105°	92.3	95.4	100.6	112.0	128.7	139.2	149.8	185.4	252.8	377.6	560.8
107.5°	110.5	112.8	118.1	128.7	145.3	155.9	166.5	201.3	261.1	367.0	522.9
110°	128.7	131.7	136.2	146.1	161.9	172.9	183.9	217.2	271.7	364.0	497.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	145.3	148.3	153.6	162.7	177.8	189.2	200.5	232.3	283.0	364.8	480.5
115°	162.7	166.5	171.0	180.1	195.2	205.4	215.7	248.2	294.4	367.8	469.2
117.5°	180.9	183.9	188.4	196.8	211.1	221.7	232.3	262.6	306.5	372.3	463.1
120°	197.5	200.5	205.1	211.9	227.0	237.6	248.2	277.7	318.6	376.9	457.8
122.5°	213.4	215.7	220.2	227.8	242.9	253.9	264.9	292.1	329.2	382.2	454.8
125°	227.0	229.3	233.8	242.9	258.1	268.6	279.2	306.5	340.5	387.5	451.0
127.5°	238.4	241.4	247.5	257.3	271.7	282.6	293.6	320.1	351.1	392.8	448.8
130°	248.2	251.2	258.8	269.4	284.5	295.1	305.7	332.2	361.0	398.8	447.2
132.5°	257.3	261.1	269.4	280.8	296.7	307.2	317.8	342.8	370.8	404.9	446.5
135°	266.4	269.4	278.5	289.8	307.2	317.8	328.4	352.7	379.1	409.4	445.7
137.5°	274.7	278.5	287.6	299.7	317.1	327.0	336.8	361.0	386.0	414.0	445.7
140°	284.5	287.6	296.7	308.8	325.4	335.2	345.1	367.8	391.2	417.0	445.0
142.5°	294.4	296.7	305.0	317.1	333.0	342.0	351.1	373.1	395.8	419.2	445.0
145°	304.2	307.2	314.8	326.2	341.3	349.6	358.0	378.4	399.6	420.8	443.5
147.5°	314.8	317.1	324.7	335.2	348.1	355.6	363.2	382.9	401.8	421.5	441.2
150°	325.4	327.7	333.7	343.6	354.9	361.7	368.5	386.0	403.4	420.8	438.9
152.5°	336.0	336.8	342.8	351.1	361.7	367.8	373.8	389.0	404.1	419.2	435.1
155°	345.8	346.6	351.1	359.5	367.8	373.5	379.1	392.0	404.9	417.7	430.6
157.5°	354.2	354.9	358.7	366.3	373.1	378.0	382.9	394.3	404.9	414.7	426.1
160°	362.5	363.2	366.3	372.3	378.4	382.5	386.7	395.8	404.9	412.4	421.5
162.5°	370.8	370.1	373.1	377.6	382.9	386.0	389.0	396.5	404.1	410.2	417.7
165°	376.9	376.1	377.6	382.2	386.0	388.2	390.5	397.3	402.6	407.1	412.4
167.5°	382.2	381.4	382.9	386.0	389.0	390.5	392.0	397.3	401.8	404.1	407.9
170°	387.5	386.0	386.7	389.0	390.5	391.6	392.8	396.5	400.3	401.8	404.1
172.5°	390.5	389.7	389.0	391.2	392.0	392.8	393.5	395.8	398.1	398.8	399.6
175°	392.8	392.0	391.2	392.8	392.8	393.2	393.5	395.0	396.5	395.8	396.5
177.5°	394.3	392.8	392.0	393.5	393.5	393.5	393.5	394.3	395.8	394.3	393.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
2.5°	997.1	997.9	999.3	1006.7	1010.4	1011.1	1008.2	1014.8	1017.1	1014.8	1013.4
5°	1044.3	1048.8	1057.6	1067.2	1066.5	1067.2	1071.6	1076.1	1077.5	1071.6	1073.8
7.5°	1085.6	1094.5	1104.1	1118.8	1118.8	1126.2	1129.2	1132.8	1141.7	1137.3	1135.8
10°	1132.8	1144.6	1162.3	1185.9	1186.7	1194.1	1201.4	1213.2	1216.9	1214.0	1215.4
12.5°	1191.8	1214.7	1216.2	1242.0	1253.8	1255.3	1267.1	1264.9	1272.2	1272.2	1284.8
15°	1217.7	1253.1	1273.0	1298.0	1305.4	1296.6	1306.2	1316.5	1317.2	1317.2	1316.5
17.5°	1264.1	1278.1	1298.0	1311.3	1314.3	1314.3	1315.0	1319.4	1316.5	1310.6	1315.0
20°	1273.7	1279.6	1287.0	1285.5	1287.0	1279.6	1272.2	1264.9	1265.6	1261.9	1273.0
22.5°	1256.0	1254.5	1237.6	1226.5	1226.5	1211.8	1197.7	1191.1	1184.5	1186.7	1190.4
25°	1211.8	1188.9	1168.2	1152.0	1148.3	1124.7	1105.6	1099.7	1088.6	1097.4	1098.9
27.5°	1141.0	1115.1	1082.0	1067.9	1048.8	1039.2	1025.9	1008.2	985.3	998.6	996.4
30°	1065.0	1026.6	999.3	965.4	935.2	933.0	907.9	878.4	866.6	866.6	873.2
32.5°	980.2	929.3	889.5	841.5	812.0	799.5	769.2	739.7	746.4	724.3	732.4
35°	881.3	814.2	764.1	717.6	695.5	680.7	641.6	625.4	607.7	597.4	616.6
37.5°	786.9	709.5	645.3	594.4	586.3	559.8	533.2	522.9	512.6	517.0	516.3
40°	671.9	603.3	545.8	505.9	491.9	479.4	461.7	449.2	442.5	446.2	446.9
42.5°	567.9	510.4	467.6	439.6	427.8	418.9	410.1	399.7	397.5	397.5	400.5
45°	487.5	440.3	411.5	388.7	382.0	375.4	368.8	364.3	362.9	359.9	362.1
47.5°	423.3	385.7	368.0	351.1	343.7	342.2	336.3	334.1	331.1	330.4	331.1
50°	369.5	345.9	329.7	320.1	314.9	312.7	309.8	305.3	303.9	307.5	306.1
52.5°	331.9	309.8	300.9	291.3	288.4	285.4	281.0	281.7	281.0	279.5	279.5
55°	294.3	280.3	271.4	264.0	263.3	260.3	256.7	255.2	254.4	253.0	255.2
57.5°	264.0	253.0	244.9	238.2	235.3	235.3	231.6	228.6	228.6	227.9	228.6
60°	233.8	222.7	217.6	210.9	208.7	208.0	205.8	204.3	202.1	202.1	202.1
62.5°	205.8	196.9	191.0	185.1	185.9	182.2	179.2	177.7	177.7	178.5	178.5
65°	179.2	173.3	165.9	160.8	159.3	158.6	157.1	156.4	154.1	155.6	155.6
67.5°	154.9	146.8	142.3	140.1	137.9	137.2	135.7	134.2	133.5	132.8	134.2
70°	130.5	123.9	120.2	118.7	116.5	115.8	115.1	112.8	113.6	114.3	115.1
72.5°	108.4	102.5	101.8	97.4	97.4	97.4	94.4	95.9	95.1	93.7	95.1
75°	85.6	82.6	81.1	78.9	79.7	78.9	78.2	76.0	76.0	76.7	77.4
77.5°	67.9	64.9	64.2	62.0	60.5	62.0	60.5	59.7	59.7	60.5	60.5
80°	50.2	48.7	46.5	46.5	46.5	45.7	45.7	45.7	45.0	44.3	45.0
82.5°	33.2	33.2	32.5	31.7	32.5	31.0	31.7	31.7	31.7	31.7	31.7
85°	21.4	20.7	20.7	19.9	19.9	19.9	20.7	19.2	19.2	19.9	19.9
87.5°	9.6	9.6	9.6	10.3	9.6	9.6	9.6	10.3	9.6	9.6	9.6
90°	25.0	24.2	22.7	24.2	24.6	25.0	25.0	25.0	25.0	25.0	25.0
92.5°	97.6	76.4	65.1	56.8	53.8	50.7	49.9	46.9	47.7	46.2	47.7
95°	259.6	198.3	152.1	120.3	112.0	103.7	93.8	87.8	85.5	86.3	85.5
97.5°	487.4	405.6	323.9	247.5	224.8	202.1	172.5	157.4	149.1	144.5	149.1
100°	706.8	690.9	597.1	493.4	447.6	401.8	339.0	306.5	284.5	270.9	284.5
102.5°	788.5	877.8	874.8	806.0	756.8	707.6	638.0	576.7	547.9	528.2	547.9
105°	762.1	919.5	1005.0	1014.8	1002.3	989.8	942.9	896.0	863.5	852.9	863.5
107.5°	706.1	874.8	1002.0	1076.1	1091.2	1106.4	1105.6	1098.8	1089.0	1071.6	1089.0
110°	653.8	813.5	949.0	1045.9	1076.9	1107.9	1140.4	1154.8	1161.6	1160.9	1161.6

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	617.5	757.5	886.2	991.4	1028.1	1064.8	1113.2	1139.7	1154.1	1159.4	1154.1
115°	588.8	713.6	830.2	929.3	968.3	1007.3	1061.0	1095.8	1115.5	1122.3	1115.5
117.5°	569.1	677.3	781.7	874.1	911.2	948.2	1003.5	1040.6	1061.0	1066.3	1061.0
120°	554.0	651.6	745.4	825.6	860.0	894.5	947.5	983.0	1005.0	1012.6	1005.0
122.5°	541.1	631.1	715.1	790.1	820.4	850.6	896.8	931.6	950.5	956.6	950.5
125°	529.0	611.5	689.4	756.0	784.4	812.8	856.7	885.4	904.3	910.4	904.3
127.5°	517.6	591.8	663.7	727.3	753.8	780.2	818.8	846.1	862.7	867.3	862.7
130°	506.3	572.9	638.0	697.7	722.7	747.7	784.8	810.5	825.6	831.7	825.6
132.5°	497.2	554.7	613.7	667.5	690.6	713.6	750.0	775.7	789.3	794.6	789.3
135°	488.9	538.1	588.0	638.0	659.2	680.3	712.9	737.8	751.5	754.5	751.5
137.5°	482.8	524.4	567.6	608.4	627.3	646.3	677.3	699.3	711.4	715.9	711.4
140°	477.5	511.6	547.9	582.7	599.4	616.0	640.2	659.9	671.3	675.8	671.3
142.5°	472.2	501.0	530.5	559.2	572.4	585.7	608.4	625.8	635.7	635.7	635.7
145°	467.7	491.1	516.1	539.6	550.6	561.5	579.7	592.5	600.1	602.4	600.1
147.5°	463.1	483.6	504.0	522.9	531.2	539.6	555.5	566.1	571.4	572.9	571.4
150°	457.1	475.2	491.9	507.8	514.6	521.4	532.8	541.8	546.4	547.1	546.4
152.5°	451.8	466.9	482.1	494.9	500.6	506.3	514.6	522.2	525.2	525.2	525.2
155°	445.0	459.4	471.5	482.8	487.0	491.1	499.5	504.8	507.8	506.3	507.8
157.5°	438.9	450.3	460.9	470.7	474.1	477.5	483.6	488.1	489.6	489.6	489.6
160°	432.1	442.0	450.3	458.6	461.2	463.9	469.2	473.0	473.7	473.7	473.7
162.5°	426.1	433.6	440.4	447.2	449.1	451.0	456.3	458.6	459.4	458.6	459.4
165°	419.2	425.3	430.6	435.9	437.4	438.9	442.0	445.0	445.0	444.2	445.0
167.5°	412.4	417.0	421.5	425.3	426.8	428.3	429.8	431.4	431.4	430.6	431.4
170°	407.1	410.9	413.2	416.2	417.0	417.7	418.5	420.8	420.0	418.5	420.0
172.5°	401.8	404.1	405.6	407.9	408.3	408.7	409.4	410.2	409.4	408.7	409.4
175°	397.3	399.6	400.3	401.1	401.5	401.8	401.8	402.6	401.8	400.3	401.8
177.5°	394.3	395.8	395.8	396.5	396.5	396.5	396.5	396.5	395.8	394.3	395.8
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
2.5°	1017.1	1011.9	1007.5	1008.2	1011.9	1008.9	1001.6	992.0	988.3	983.9	988.3
5°	1078.3	1073.8	1065.0	1065.7	1063.5	1060.6	1048.8	1034.0	1034.0	1022.2	1020.7
7.5°	1138.7	1132.1	1126.2	1124.7	1116.6	1110.7	1100.4	1079.7	1071.6	1057.6	1049.5
10°	1206.6	1201.4	1194.8	1186.7	1182.3	1171.9	1155.0	1124.7	1110.0	1090.8	1076.8
12.5°	1275.2	1274.4	1259.7	1243.5	1242.7	1226.5	1214.7	1174.1	1154.2	1128.4	1095.2
15°	1318.7	1315.0	1306.9	1298.8	1301.0	1283.3	1256.7	1208.8	1195.5	1164.6	1129.2
17.5°	1318.0	1318.0	1315.7	1314.3	1312.1	1306.9	1292.1	1260.4	1239.0	1200.0	1166.8
20°	1275.9	1285.5	1287.7	1287.0	1294.4	1298.0	1297.3	1277.4	1260.4	1225.8	1191.8
22.5°	1191.8	1214.0	1223.6	1229.5	1244.9	1253.1	1272.2	1264.9	1260.4	1234.6	1205.9
25°	1113.7	1121.0	1149.8	1151.3	1172.7	1192.6	1211.8	1224.3	1240.5	1230.9	1206.6
27.5°	1012.6	1029.6	1050.2	1065.7	1070.2	1110.7	1142.4	1166.0	1202.9	1205.9	1197.7
30°	898.3	906.4	940.3	961.0	984.6	1014.1	1059.8	1100.4	1133.6	1163.8	1174.1
32.5°	758.9	792.1	812.0	837.1	857.7	910.1	966.2	1018.5	1056.9	1107.8	1129.9
35°	631.3	657.1	691.1	701.4	739.0	783.3	856.3	923.4	981.6	1033.3	1078.3
37.5°	525.9	546.5	582.6	598.9	621.0	677.8	739.0	822.3	892.4	955.8	1011.9
40°	453.6	469.1	496.4	501.5	520.0	571.6	621.0	699.2	792.1	877.7	938.9
42.5°	404.2	411.5	430.0	436.6	448.4	483.1	527.3	601.1	687.4	775.9	862.2
45°	368.8	373.9	385.0	390.9	405.6	421.1	457.3	516.3	584.1	673.4	766.3
47.5°	337.0	343.7	348.1	351.8	359.9	376.9	400.5	444.0	508.9	590.8	680.7
50°	310.5	312.7	320.8	321.6	326.7	337.8	359.9	386.5	438.1	504.5	591.5
52.5°	283.9	286.2	291.3	296.5	298.7	307.5	322.3	344.4	382.8	435.1	512.6
55°	257.4	260.3	265.5	269.2	271.4	278.8	287.6	309.0	339.3	376.1	439.6
57.5°	230.8	237.5	239.0	241.2	244.9	253.0	261.1	273.6	297.2	331.1	377.6
60°	205.8	208.0	213.1	215.4	219.0	223.5	233.8	243.4	260.3	286.9	328.9
62.5°	180.0	185.1	187.3	189.5	192.5	197.7	204.3	214.6	229.4	250.8	283.9
65°	157.8	158.6	163.0	165.9	168.9	172.6	179.2	188.8	197.7	217.6	241.9
67.5°	136.4	137.9	139.4	142.3	146.0	149.7	155.6	160.8	171.8	185.1	204.3
70°	115.8	115.8	119.5	121.7	121.0	125.4	129.8	135.7	143.8	156.4	171.8
72.5°	97.4	96.6	99.6	100.3	101.8	104.7	107.7	113.6	118.0	127.6	139.4
75°	77.4	78.9	80.4	80.4	82.6	84.8	87.8	90.7	95.9	101.8	110.6
77.5°	61.2	61.2	62.7	63.4	65.6	64.9	67.9	70.8	74.5	79.7	86.3
80°	45.0	46.5	46.5	46.5	47.2	47.9	50.9	53.1	55.3	59.0	62.0
82.5°	31.7	31.7	33.2	33.2	33.2	34.7	34.7	35.4	36.9	39.1	41.3
85°	19.9	19.9	19.9	20.7	19.9	20.7	22.1	21.4	22.1	23.6	23.6
87.5°	9.6	9.6	9.6	9.6	9.6	10.3	9.6	10.3	11.1	11.1	11.1
90°	25.0	25.0	25.0	24.6	24.2	22.7	24.2	25.0	25.7	25.0	20.4
92.5°	46.9	49.9	50.7	53.8	56.8	65.1	76.4	97.6	116.5	115.0	89.3
95°	87.8	93.8	103.7	112.0	120.3	152.1	198.3	259.6	296.7	262.6	174.8
97.5°	157.4	172.5	202.1	224.8	247.5	323.9	405.6	487.4	483.6	373.8	232.3
100°	306.5	339.0	401.8	447.6	493.4	597.1	690.9	706.8	597.8	411.7	248.2
102.5°	576.7	638.0	707.6	756.8	806.0	874.8	877.8	788.5	601.6	397.3	249.0
105°	896.0	942.9	989.8	1002.3	1014.8	1005.0	919.5	762.1	560.8	377.6	252.8
107.5°	1098.8	1105.6	1106.4	1091.2	1076.1	1002.0	874.8	706.1	522.9	367.0	261.1
110°	1154.8	1140.4	1107.9	1076.9	1045.9	949.0	813.5	653.8	497.2	364.0	271.7

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1139.7	1113.2	1064.8	1028.1	991.4	886.2	757.5	617.5	480.5	364.8	283.0
115°	1095.8	1061.0	1007.3	968.3	929.3	830.2	713.6	588.8	469.2	367.8	294.4
117.5°	1040.6	1003.5	948.2	911.2	874.1	781.7	677.3	569.1	463.1	372.3	306.5
120°	983.0	947.5	894.5	860.0	825.6	745.4	651.6	554.0	457.8	376.9	318.6
122.5°	931.6	896.8	850.6	820.4	790.1	715.1	631.1	541.1	454.8	382.2	329.2
125°	885.4	856.7	812.8	784.4	756.0	689.4	611.5	529.0	451.0	387.5	340.5
127.5°	846.1	818.8	780.2	753.8	727.3	663.7	591.8	517.6	448.8	392.8	351.1
130°	810.5	784.8	747.7	722.7	697.7	638.0	572.9	506.3	447.2	398.8	361.0
132.5°	775.7	750.0	713.6	690.6	667.5	613.7	554.7	497.2	446.5	404.9	370.8
135°	737.8	712.9	680.3	659.2	638.0	588.0	538.1	488.9	445.7	409.4	379.1
137.5°	699.3	677.3	646.3	627.3	608.4	567.6	524.4	482.8	445.7	414.0	386.0
140°	659.9	640.2	616.0	599.4	582.7	547.9	511.6	477.5	445.0	417.0	391.2
142.5°	625.8	608.4	585.7	572.4	559.2	530.5	501.0	472.2	445.0	419.2	395.8
145°	592.5	579.7	561.5	550.6	539.6	516.1	491.1	467.7	443.5	420.8	399.6
147.5°	566.1	555.5	539.6	531.2	522.9	504.0	483.6	463.1	441.2	421.5	401.8
150°	541.8	532.8	521.4	514.6	507.8	491.9	475.2	457.1	438.9	420.8	403.4
152.5°	522.2	514.6	506.3	500.6	494.9	482.1	466.9	451.8	435.1	419.2	404.1
155°	504.8	499.5	491.1	487.0	482.8	471.5	459.4	445.0	430.6	417.7	404.9
157.5°	488.1	483.6	477.5	474.1	470.7	460.9	450.3	438.9	426.1	414.7	404.9
160°	473.0	469.2	463.9	461.2	458.6	450.3	442.0	432.1	421.5	412.4	404.9
162.5°	458.6	456.3	451.0	449.1	447.2	440.4	433.6	426.1	417.7	410.2	404.1
165°	445.0	442.0	438.9	437.4	435.9	430.6	425.3	419.2	412.4	407.1	402.6
167.5°	431.4	429.8	428.3	426.8	425.3	421.5	417.0	412.4	407.9	404.1	401.8
170°	420.8	418.5	417.7	417.0	416.2	413.2	410.9	407.1	404.1	401.8	400.3
172.5°	410.2	409.4	408.7	408.3	407.9	405.6	404.1	401.8	399.6	398.8	398.1
175°	402.6	401.8	401.8	401.5	401.1	400.3	399.6	397.3	396.5	395.8	396.5
177.5°	396.5	396.5	396.5	396.5	396.5	395.8	395.8	394.3	393.5	394.3	395.8
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
2.5°	984.6	980.9	978.7	980.2	975.7	964.7	964.7	968.4	963.9	959.5	952.9
5°	1011.9	1004.5	1000.1	999.3	989.0	971.3	967.6	963.9	954.4	944.0	933.0
7.5°	1038.4	1025.2	1017.8	1012.6	997.9	975.0	965.4	957.3	941.8	926.3	912.3
10°	1060.6	1041.4	1032.5	1024.4	1005.2	976.5	961.0	946.2	926.3	906.4	888.7
12.5°	1078.3	1056.1	1045.1	1033.3	1009.7	972.1	952.9	929.3	909.4	882.8	865.1
15°	1107.8	1062.0	1051.7	1040.7	1016.3	964.7	941.1	914.5	887.2	851.8	832.7
17.5°	1131.4	1070.2	1069.4	1045.8	1014.1	961.7	925.6	890.9	861.4	826.0	795.8
20°	1145.4	1082.7	1070.9	1046.6	1006.7	941.8	904.2	865.9	834.1	791.4	761.1
22.5°	1157.2	1100.4	1069.4	1039.9	991.2	935.2	879.9	843.7	800.2	753.8	725.0
25°	1161.6	1104.1	1071.6	1037.7	980.2	916.0	853.3	814.2	765.6	723.5	684.4
27.5°	1162.3	1103.3	1063.5	1028.1	964.7	890.9	826.8	785.5	731.6	683.0	643.9
30°	1155.0	1095.2	1059.1	1020.7	949.9	868.1	794.3	748.6	691.1	642.4	601.8
32.5°	1132.8	1079.0	1049.5	1007.5	930.8	836.4	763.3	712.5	652.0	604.0	564.9
35°	1096.0	1059.1	1026.6	987.5	905.7	806.9	732.4	672.6	611.4	565.7	528.8
37.5°	1050.2	1030.3	1000.1	961.7	876.9	780.3	697.7	631.3	570.1	525.9	489.7
40°	988.3	993.4	963.9	929.3	843.0	744.2	652.7	589.3	531.8	490.5	455.1
42.5°	921.2	942.6	925.6	892.4	805.4	704.3	619.5	549.5	493.4	450.6	421.1
45°	848.9	885.8	875.4	851.1	766.3	662.3	572.3	504.5	455.1	413.8	387.9
47.5°	770.0	822.3	822.3	804.6	722.8	620.3	531.8	462.4	413.8	384.3	359.2
50°	689.6	748.6	758.2	746.4	674.1	572.3	482.3	419.7	377.6	348.9	330.4
52.5°	605.5	674.1	691.8	685.9	622.5	526.6	441.8	380.6	342.2	317.1	300.9
55°	525.1	604.8	623.9	626.2	567.2	476.4	396.8	343.0	306.1	289.1	275.1
57.5°	449.2	525.9	547.2	550.9	511.1	430.7	354.8	307.5	274.4	260.3	249.3
60°	384.3	448.4	476.4	484.6	449.9	377.6	315.7	269.9	244.9	231.6	221.3
62.5°	331.1	382.8	412.3	414.5	399.0	331.1	275.1	236.7	215.4	203.6	198.4
65°	279.5	326.0	343.7	352.5	340.0	286.9	237.5	205.8	188.8	178.5	173.3
67.5°	238.2	267.7	282.5	294.3	281.7	241.9	202.1	176.3	163.7	153.4	150.5
70°	195.4	219.8	230.8	242.6	231.6	201.3	172.6	149.0	137.9	129.8	126.1
72.5°	156.4	175.5	185.9	193.2	186.6	161.5	137.9	121.7	113.6	107.7	105.5
75°	123.9	137.2	143.1	148.2	145.3	126.1	111.4	98.1	90.7	85.6	84.1
77.5°	94.4	104.0	110.6	112.1	108.4	95.9	83.3	75.2	69.3	66.4	64.9
80°	67.1	73.0	76.7	78.9	75.2	70.1	61.2	55.3	50.2	46.5	45.7
82.5°	45.0	47.9	50.9	50.2	48.7	44.3	39.1	36.1	33.9	31.0	31.0
85°	25.8	26.6	28.0	28.8	28.0	25.1	22.1	20.7	19.2	17.0	17.0
87.5°	11.1	11.8	11.8	12.5	11.1	11.1	9.6	8.1	8.1	7.4	6.6
90°	15.1	11.4	10.2	9.1	7.6	6.1	3.0	0.8	3.0	6.1	7.6
92.5°	60.5	40.1	36.0	31.8	25.7	21.9	15.9	11.4	15.9	21.9	25.7
95°	109.0	74.2	65.1	56.0	43.9	37.1	29.5	26.5	29.5	37.1	43.9
97.5°	140.8	96.1	85.9	75.7	62.1	52.2	43.9	39.4	43.9	52.2	62.1
100°	155.9	115.8	105.2	94.6	79.5	67.4	60.5	58.3	60.5	67.4	79.5
102.5°	169.5	133.2	122.6	112.0	96.1	84.0	77.2	75.7	77.2	84.0	96.1
105°	185.4	149.8	139.2	128.7	112.0	100.6	95.4	92.3	95.4	100.6	112.0
107.5°	201.3	166.5	155.9	145.3	128.7	118.1	112.8	110.5	112.8	118.1	128.7
110°	217.2	183.9	172.9	161.9	146.1	136.2	131.7	128.7	131.7	136.2	146.1

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	232.3	200.5	189.2	177.8	162.7	153.6	148.3	145.3	148.3	153.6	162.7
115°	248.2	215.7	205.4	195.2	180.1	171.0	166.5	162.7	166.5	171.0	180.1
117.5°	262.6	232.3	221.7	211.1	196.8	188.4	183.9	180.9	183.9	188.4	196.8
120°	277.7	248.2	237.6	227.0	211.9	205.1	200.5	197.5	200.5	205.1	211.9
122.5°	292.1	264.9	253.9	242.9	227.8	220.2	215.7	213.4	215.7	220.2	227.8
125°	306.5	279.2	268.6	258.1	242.9	233.8	229.3	227.0	229.3	233.8	242.9
127.5°	320.1	293.6	282.6	271.7	257.3	247.5	241.4	238.4	241.4	247.5	257.3
130°	332.2	305.7	295.1	284.5	269.4	258.8	251.2	248.2	251.2	258.8	269.4
132.5°	342.8	317.8	307.2	296.7	280.8	269.4	261.1	257.3	261.1	269.4	280.8
135°	352.7	328.4	317.8	307.2	289.8	278.5	269.4	266.4	269.4	278.5	289.8
137.5°	361.0	336.8	327.0	317.1	299.7	287.6	278.5	274.7	278.5	287.6	299.7
140°	367.8	345.1	335.2	325.4	308.8	296.7	287.6	284.5	287.6	296.7	308.8
142.5°	373.1	351.1	342.0	333.0	317.1	305.0	296.7	294.4	296.7	305.0	317.1
145°	378.4	358.0	349.6	341.3	326.2	314.8	307.2	304.2	307.2	314.8	326.2
147.5°	382.9	363.2	355.6	348.1	335.2	324.7	317.1	314.8	317.1	324.7	335.2
150°	386.0	368.5	361.7	354.9	343.6	333.7	327.7	325.4	327.7	333.7	343.6
152.5°	389.0	373.8	367.8	361.7	351.1	342.8	336.8	336.0	336.8	342.8	351.1
155°	392.0	379.1	373.5	367.8	359.5	351.1	346.6	345.8	346.6	351.1	359.5
157.5°	394.3	382.9	378.0	373.1	366.3	358.7	354.9	354.2	354.9	358.7	366.3
160°	395.8	386.7	382.5	378.4	372.3	366.3	363.2	362.5	363.2	366.3	372.3
162.5°	396.5	389.0	386.0	382.9	377.6	373.1	370.1	370.8	370.1	373.1	377.6
165°	397.3	390.5	388.2	386.0	382.2	377.6	376.1	376.9	376.1	377.6	382.2
167.5°	397.3	392.0	390.5	389.0	386.0	382.9	381.4	382.2	381.4	382.9	386.0
170°	396.5	392.8	391.6	390.5	389.0	386.7	386.0	387.5	386.0	386.7	389.0
172.5°	395.8	393.5	392.8	392.0	391.2	389.0	389.7	390.5	389.7	389.0	391.2
175°	395.0	393.5	393.2	392.8	392.8	391.2	392.0	392.8	392.0	391.2	392.8
177.5°	394.3	393.5	393.5	393.5	393.5	392.0	392.8	394.3	392.8	392.0	393.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
2.5°	949.2	952.9	952.1	944.8	936.7	930.0	917.5	919.0	914.5	915.3	919.7
5°	925.6	925.6	922.6	912.3	899.0	891.7	877.7	874.0	865.1	864.4	863.6
7.5°	900.5	896.8	893.1	878.4	862.2	850.4	831.2	826.8	817.9	812.0	809.1
10°	871.0	865.9	858.5	841.5	821.6	806.9	786.9	781.0	764.1	756.7	752.3
12.5°	838.6	835.6	823.8	809.8	777.4	761.1	732.4	738.3	721.3	706.6	704.3
15°	806.1	795.1	788.4	765.6	726.5	719.1	696.2	684.4	668.9	657.1	657.1
17.5°	774.4	757.4	742.7	718.4	689.6	668.9	652.0	646.1	626.9	615.1	612.9
20°	732.4	713.2	709.5	674.8	654.9	632.1	615.8	601.1	587.1	581.9	578.2
22.5°	692.5	670.4	664.5	635.0	615.1	592.2	576.0	565.7	555.4	551.7	545.0
25°	649.8	636.5	627.6	595.9	573.8	552.4	541.3	534.0	524.4	523.6	519.2
27.5°	608.5	595.9	587.1	556.8	540.6	520.7	511.8	503.7	498.6	496.4	494.1
30°	573.1	559.0	548.7	526.6	506.7	490.5	483.1	477.9	475.0	471.3	470.5
32.5°	534.0	525.9	511.8	494.9	479.4	463.9	459.5	455.8	451.4	449.9	449.2
35°	500.8	489.7	480.9	461.7	455.1	441.8	436.6	433.7	427.8	426.3	424.8
37.5°	468.3	458.0	448.4	436.6	424.1	416.7	413.8	409.3	406.4	407.1	405.6
40°	435.9	427.8	420.4	407.9	400.5	396.8	390.9	386.5	385.0	385.7	385.0
42.5°	404.2	396.8	392.4	382.8	375.4	371.7	368.0	363.6	365.8	365.8	368.0
45°	375.4	368.8	365.8	358.4	354.0	348.1	344.4	343.7	346.6	345.9	345.9
47.5°	345.9	343.7	340.0	333.4	327.5	323.8	323.0	323.0	326.0	327.5	326.7
50°	323.0	318.6	314.2	309.0	304.6	303.1	300.9	302.4	305.3	305.3	306.8
52.5°	294.3	291.3	289.8	285.4	282.5	282.5	282.5	283.2	285.4	287.6	286.9
55°	269.2	267.0	265.5	263.3	259.6	260.3	259.6	261.1	263.3	265.5	267.0
57.5°	242.6	241.9	240.4	236.7	236.7	236.0	238.2	239.0	242.6	244.1	246.3
60°	219.0	216.8	216.8	213.9	213.9	213.9	216.1	218.3	221.3	222.0	223.5
62.5°	194.0	194.0	193.2	191.0	191.0	193.2	194.0	196.9	198.4	198.4	200.6
65°	170.4	169.6	168.9	169.6	170.4	170.4	172.6	174.1	175.5	176.3	177.0
67.5°	146.8	146.0	147.5	146.8	148.2	151.2	150.5	152.7	154.9	154.9	155.6
70°	124.6	126.1	125.4	126.9	126.1	127.6	129.8	130.5	130.5	131.3	133.5
72.5°	104.0	104.0	104.0	103.3	104.0	105.5	106.9	107.7	109.2	109.9	112.1
75°	84.1	84.1	82.6	84.1	84.1	85.6	87.0	87.0	87.0	88.5	90.7
77.5°	63.4	64.2	63.4	64.9	64.9	65.6	67.1	66.4	67.9	68.6	69.3
80°	46.5	45.7	45.7	45.7	46.5	46.5	47.9	48.7	48.7	50.9	49.4
82.5°	29.5	30.2	29.5	30.2	30.2	31.0	30.2	31.0	31.7	33.2	32.5
85°	17.0	16.2	16.2	17.0	16.2	16.2	17.0	16.2	17.0	16.2	17.0
87.5°	6.6	5.9	5.9	5.9	5.9	5.2	5.2	4.4	4.4	4.4	3.7
90°	9.1	10.2	11.4	15.1	20.4	25.0	25.7	25.0	24.2	22.7	24.2
92.5°	31.8	36.0	40.1	60.5	89.3	115.0	116.5	97.6	76.4	65.1	56.8
95°	56.0	65.1	74.2	109.0	174.8	262.6	296.7	259.6	198.3	152.1	120.3
97.5°	75.7	85.9	96.1	140.8	232.3	373.8	483.6	487.4	405.6	323.9	247.5
100°	94.6	105.2	115.8	155.9	248.2	411.7	597.8	706.8	690.9	597.1	493.4
102.5°	112.0	122.6	133.2	169.5	249.0	397.3	601.6	788.5	877.8	874.8	806.0
105°	128.7	139.2	149.8	185.4	252.8	377.6	560.8	762.1	919.5	1005.0	1014.8
107.5°	145.3	155.9	166.5	201.3	261.1	367.0	522.9	706.1	874.8	1002.0	1076.1
110°	161.9	172.9	183.9	217.2	271.7	364.0	497.2	653.8	813.5	949.0	1045.9

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	177.8	189.2	200.5	232.3	283.0	364.8	480.5	617.5	757.5	886.2	991.4
115°	195.2	205.4	215.7	248.2	294.4	367.8	469.2	588.8	713.6	830.2	929.3
117.5°	211.1	221.7	232.3	262.6	306.5	372.3	463.1	569.1	677.3	781.7	874.1
120°	227.0	237.6	248.2	277.7	318.6	376.9	457.8	554.0	651.6	745.4	825.6
122.5°	242.9	253.9	264.9	292.1	329.2	382.2	454.8	541.1	631.1	715.1	790.1
125°	258.1	268.6	279.2	306.5	340.5	387.5	451.0	529.0	611.5	689.4	756.0
127.5°	271.7	282.6	293.6	320.1	351.1	392.8	448.8	517.6	591.8	663.7	727.3
130°	284.5	295.1	305.7	332.2	361.0	398.8	447.2	506.3	572.9	638.0	697.7
132.5°	296.7	307.2	317.8	342.8	370.8	404.9	446.5	497.2	554.7	613.7	667.5
135°	307.2	317.8	328.4	352.7	379.1	409.4	445.7	488.9	538.1	588.0	638.0
137.5°	317.1	327.0	336.8	361.0	386.0	414.0	445.7	482.8	524.4	567.6	608.4
140°	325.4	335.2	345.1	367.8	391.2	417.0	445.0	477.5	511.6	547.9	582.7
142.5°	333.0	342.0	351.1	373.1	395.8	419.2	445.0	472.2	501.0	530.5	559.2
145°	341.3	349.6	358.0	378.4	399.6	420.8	443.5	467.7	491.1	516.1	539.6
147.5°	348.1	355.6	363.2	382.9	401.8	421.5	441.2	463.1	483.6	504.0	522.9
150°	354.9	361.7	368.5	386.0	403.4	420.8	438.9	457.1	475.2	491.9	507.8
152.5°	361.7	367.8	373.8	389.0	404.1	419.2	435.1	451.8	466.9	482.1	494.9
155°	367.8	373.5	379.1	392.0	404.9	417.7	430.6	445.0	459.4	471.5	482.8
157.5°	373.1	378.0	382.9	394.3	404.9	414.7	426.1	438.9	450.3	460.9	470.7
160°	378.4	382.5	386.7	395.8	404.9	412.4	421.5	432.1	442.0	450.3	458.6
162.5°	382.9	386.0	389.0	396.5	404.1	410.2	417.7	426.1	433.6	440.4	447.2
165°	386.0	388.2	390.5	397.3	402.6	407.1	412.4	419.2	425.3	430.6	435.9
167.5°	389.0	390.5	392.0	397.3	401.8	404.1	407.9	412.4	417.0	421.5	425.3
170°	390.5	391.6	392.8	396.5	400.3	401.8	404.1	407.1	410.9	413.2	416.2
172.5°	392.0	392.8	393.5	395.8	398.1	398.8	399.6	401.8	404.1	405.6	407.9
175°	392.8	393.2	393.5	395.0	396.5	395.8	396.5	397.3	399.6	400.3	401.1
177.5°	393.5	393.5	393.5	394.3	395.8	394.3	393.5	394.3	395.8	395.8	396.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
2.5°	914.5	916.7	911.6	910.1	911.6	906.4	907.9	909.4	909.4	911.6	913.1
5°	861.4	858.5	853.3	851.8	850.4	852.6	851.1	853.3	854.1	859.2	860.0
7.5°	809.1	804.6	800.2	795.8	794.3	790.6	794.3	794.3	799.5	798.0	801.7
10°	747.1	746.4	740.5	738.3	735.3	729.4	737.5	735.3	739.0	745.6	747.1
12.5°	701.4	693.3	697.0	686.6	690.3	684.4	685.2	685.2	691.1	691.8	690.3
15°	657.9	651.2	641.6	637.2	635.0	632.1	641.6	642.4	638.0	648.3	644.6
17.5°	613.6	613.6	604.8	602.6	596.7	599.6	598.1	598.9	597.4	604.8	608.5
20°	575.3	571.6	568.6	569.4	562.0	560.5	559.0	560.5	565.7	570.8	572.3
22.5°	544.3	542.1	534.7	536.2	530.3	532.5	531.0	534.7	535.4	535.4	540.6
25°	514.8	511.8	512.6	509.6	507.4	507.4	505.2	507.4	510.4	511.8	512.6
27.5°	492.7	490.5	486.8	484.6	486.0	482.3	485.3	487.5	487.5	486.0	487.5
30°	466.1	467.6	467.6	460.2	463.2	461.7	463.9	465.4	465.4	466.1	464.6
32.5°	448.4	444.0	443.3	442.5	442.5	439.6	439.6	441.8	442.5	443.3	445.5
35°	424.8	424.8	421.1	423.3	420.4	421.1	420.4	421.1	422.6	420.4	422.6
37.5°	403.4	404.2	402.7	404.2	404.9	403.4	402.0	404.9	403.4	403.4	402.0
40°	385.0	384.3	385.0	385.0	385.0	385.7	384.3	384.3	384.3	382.8	381.3
42.5°	369.5	365.1	366.6	367.3	365.1	365.1	365.8	365.1	367.3	362.9	362.9
45°	347.4	345.9	346.6	346.6	348.1	345.9	347.4	348.1	345.9	345.2	343.7
47.5°	327.5	328.9	327.5	328.9	328.9	330.4	327.5	328.2	328.9	326.0	323.8
50°	307.5	307.5	309.8	309.0	309.8	308.3	308.3	307.5	308.3	306.8	304.6
52.5°	289.1	286.9	290.6	289.8	289.1	288.4	287.6	288.4	286.9	285.4	285.4
55°	266.2	266.2	268.5	269.2	269.2	267.7	266.2	267.0	266.2	265.5	264.8
57.5°	247.8	244.9	246.3	247.1	247.1	244.9	246.3	244.9	244.9	245.6	243.4
60°	224.2	224.2	222.7	224.9	224.9	223.5	223.5	224.2	222.7	222.0	221.3
62.5°	199.1	199.9	202.1	202.8	203.6	202.1	200.6	201.3	201.3	199.1	199.9
65°	177.7	179.2	182.2	181.4	180.0	180.7	179.2	180.0	177.7	178.5	176.3
67.5°	157.1	156.4	157.1	157.1	158.6	157.8	156.4	156.4	155.6	157.8	155.6
70°	135.0	135.0	135.0	135.0	135.7	136.4	135.0	133.5	134.2	132.8	132.0
72.5°	112.1	112.8	112.1	113.6	111.4	112.8	112.8	112.1	111.4	111.4	111.4
75°	90.7	92.2	90.0	90.7	90.0	91.5	90.7	90.7	89.2	88.5	89.2
77.5°	69.3	70.1	68.6	69.3	68.6	69.3	69.3	68.6	68.6	68.6	68.6
80°	49.4	50.2	49.4	48.7	47.9	49.4	47.9	48.7	49.4	48.7	50.2
82.5°	31.7	31.7	31.0	31.7	30.2	30.2	31.0	31.0	30.2	31.7	30.2
85°	15.5	15.5	17.0	15.5	14.8	14.8	14.8	15.5	14.8	16.2	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°	24.6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.6
92.5°	53.8	50.7	49.9	46.9	47.7	46.2	47.7	46.9	49.9	50.7	53.8
95°	112.0	103.7	93.8	87.8	85.5	86.3	85.5	87.8	93.8	103.7	112.0
97.5°	224.8	202.1	172.5	157.4	149.1	144.5	149.1	157.4	172.5	202.1	224.8
100°	447.6	401.8	339.0	306.5	284.5	270.9	284.5	306.5	339.0	401.8	447.6
102.5°	756.8	707.6	638.0	576.7	547.9	528.2	547.9	576.7	638.0	707.6	756.8
105°	1002.3	989.8	942.9	896.0	863.5	852.9	863.5	896.0	942.9	989.8	1002.3
107.5°	1091.2	1106.4	1105.6	1098.8	1089.0	1071.6	1089.0	1098.8	1105.6	1106.4	1091.2
110°	1076.9	1107.9	1140.4	1154.8	1161.6	1160.9	1161.6	1154.8	1140.4	1107.9	1076.9

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1028.1	1064.8	1113.2	1139.7	1154.1	1159.4	1154.1	1139.7	1113.2	1064.8	1028.1
115°	968.3	1007.3	1061.0	1095.8	1115.5	1122.3	1115.5	1095.8	1061.0	1007.3	968.3
117.5°	911.2	948.2	1003.5	1040.6	1061.0	1066.3	1061.0	1040.6	1003.5	948.2	911.2
120°	860.0	894.5	947.5	983.0	1005.0	1012.6	1005.0	983.0	947.5	894.5	860.0
122.5°	820.4	850.6	896.8	931.6	950.5	956.6	950.5	931.6	896.8	850.6	820.4
125°	784.4	812.8	856.7	885.4	904.3	910.4	904.3	885.4	856.7	812.8	784.4
127.5°	753.8	780.2	818.8	846.1	862.7	867.3	862.7	846.1	818.8	780.2	753.8
130°	722.7	747.7	784.8	810.5	825.6	831.7	825.6	810.5	784.8	747.7	722.7
132.5°	690.6	713.6	750.0	775.7	789.3	794.6	789.3	775.7	750.0	713.6	690.6
135°	659.2	680.3	712.9	737.8	751.5	754.5	751.5	737.8	712.9	680.3	659.2
137.5°	627.3	646.3	677.3	699.3	711.4	715.9	711.4	699.3	677.3	646.3	627.3
140°	599.4	616.0	640.2	659.9	671.3	675.8	671.3	659.9	640.2	616.0	599.4
142.5°	572.4	585.7	608.4	625.8	635.7	635.7	635.7	625.8	608.4	585.7	572.4
145°	550.6	561.5	579.7	592.5	600.1	602.4	600.1	592.5	579.7	561.5	550.6
147.5°	531.2	539.6	555.5	566.1	571.4	572.9	571.4	566.1	555.5	539.6	531.2
150°	514.6	521.4	532.8	541.8	546.4	547.1	546.4	541.8	532.8	521.4	514.6
152.5°	500.6	506.3	514.6	522.2	525.2	525.2	525.2	522.2	514.6	506.3	500.6
155°	487.0	491.1	499.5	504.8	507.8	506.3	507.8	504.8	499.5	491.1	487.0
157.5°	474.1	477.5	483.6	488.1	489.6	489.6	489.6	488.1	483.6	477.5	474.1
160°	461.2	463.9	469.2	473.0	473.7	473.7	473.7	473.0	469.2	463.9	461.2
162.5°	449.1	451.0	456.3	458.6	459.4	458.6	459.4	458.6	456.3	451.0	449.1
165°	437.4	438.9	442.0	445.0	445.0	444.2	445.0	445.0	442.0	438.9	437.4
167.5°	426.8	428.3	429.8	431.4	431.4	430.6	431.4	431.4	429.8	428.3	426.8
170°	417.0	417.7	418.5	420.8	420.0	418.5	420.0	420.8	418.5	417.7	417.0
172.5°	408.3	408.7	409.4	410.2	409.4	408.7	409.4	410.2	409.4	408.7	408.3
175°	401.5	401.8	401.8	402.6	401.8	400.3	401.8	402.6	401.8	401.8	401.5
177.5°	396.5	396.5	396.5	396.5	395.8	394.3	395.8	396.5	396.5	396.5	396.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5	959.5
2.5°	910.8	916.7	914.5	906.4	916.0	916.0	922.6	922.6	930.8	933.7	938.1
5°	859.2	863.6	867.3	863.6	870.3	880.6	886.5	891.7	902.7	907.2	913.8
7.5°	803.9	812.0	815.7	815.7	826.8	838.6	850.4	857.7	873.2	879.1	885.8
10°	750.1	759.7	767.0	766.3	784.7	792.1	806.9	823.8	839.3	848.2	857.7
12.5°	693.3	698.4	708.8	723.5	727.9	741.2	758.2	779.6	807.6	815.7	829.7
15°	646.1	660.1	668.2	674.8	685.2	697.7	716.1	736.8	764.8	782.5	797.3
17.5°	606.2	624.7	629.8	628.4	641.6	660.8	682.2	697.7	722.8	744.2	758.2
20°	573.8	581.2	590.0	593.7	604.0	624.7	645.3	663.0	683.7	700.7	716.9
22.5°	541.3	547.2	554.6	561.3	569.4	581.2	601.1	623.2	643.1	659.3	677.8
25°	514.8	518.5	525.1	530.3	539.1	547.2	561.3	585.6	609.2	618.8	635.0
27.5°	489.0	491.9	496.4	502.3	506.7	514.8	527.3	547.2	571.6	581.2	603.3
30°	466.1	468.3	472.8	475.7	477.9	487.5	497.1	512.6	531.0	544.3	560.5
32.5°	444.7	446.9	451.4	452.1	455.1	460.2	469.1	483.1	499.3	510.4	524.4
35°	421.1	422.6	427.0	428.5	430.7	435.1	441.8	452.1	466.9	475.0	487.5
37.5°	402.7	402.0	404.9	407.1	410.1	412.3	414.5	424.8	435.9	443.3	452.8
40°	382.8	381.3	382.0	385.0	386.5	389.4	389.4	399.7	407.1	413.0	420.4
42.5°	362.9	362.1	360.7	362.1	363.6	364.3	365.1	372.5	379.8	385.0	393.1
45°	343.0	342.2	340.7	341.5	341.5	343.0	345.2	348.1	353.3	357.7	362.1
47.5°	324.5	323.0	320.8	320.1	321.6	321.6	321.6	324.5	329.7	331.1	335.6
50°	305.3	303.1	300.2	298.7	298.7	298.0	299.4	300.2	304.6	306.1	309.8
52.5°	284.7	283.2	280.3	277.3	278.0	276.6	277.3	278.0	279.5	281.7	283.9
55°	264.0	261.1	258.9	258.1	255.9	255.9	253.7	256.7	255.9	256.7	259.6
57.5°	244.1	241.2	237.5	236.0	233.8	233.1	231.6	230.8	231.6	233.8	236.0
60°	220.5	219.0	216.8	214.6	213.1	210.9	209.5	209.5	208.7	208.7	209.5
62.5°	197.7	196.9	194.0	193.2	191.8	190.3	188.1	186.6	186.6	188.1	188.8
65°	175.5	174.8	172.6	171.8	168.2	166.7	165.9	165.2	163.7	163.7	163.7
67.5°	154.9	152.7	152.7	149.0	146.0	144.6	143.1	142.3	142.3	142.3	143.1
70°	132.0	132.0	129.8	127.6	124.6	125.4	123.2	121.0	121.0	119.5	120.2
72.5°	109.9	109.2	106.9	106.2	104.0	101.8	100.3	101.8	99.6	98.8	99.6
75°	88.5	87.8	86.3	84.8	85.6	83.3	81.1	80.4	80.4	78.9	78.9
77.5°	67.9	69.3	66.4	65.6	64.2	62.7	62.0	61.2	61.2	61.2	62.7
80°	47.2	47.9	47.9	46.5	47.2	45.0	45.0	45.0	42.8	43.5	44.3
82.5°	30.2	30.2	29.5	30.2	29.5	29.5	28.8	28.8	28.0	28.0	28.8
85°	17.0	16.2	15.5	17.0	16.2	16.2	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°	24.2	22.7	24.2	25.0	25.7	25.0	20.4	15.1	11.4	10.2	9.1
92.5°	56.8	65.1	76.4	97.6	116.5	115.0	89.3	60.5	40.1	36.0	31.8
95°	120.3	152.1	198.3	259.6	296.7	262.6	174.8	109.0	74.2	65.1	56.0
97.5°	247.5	323.9	405.6	487.4	483.6	373.8	232.3	140.8	96.1	85.9	75.7
100°	493.4	597.1	690.9	706.8	597.8	411.7	248.2	155.9	115.8	105.2	94.6
102.5°	806.0	874.8	877.8	788.5	601.6	397.3	249.0	169.5	133.2	122.6	112.0
105°	1014.8	1005.0	919.5	762.1	560.8	377.6	252.8	185.4	149.8	139.2	128.7
107.5°	1076.1	1002.0	874.8	706.1	522.9	367.0	261.1	201.3	166.5	155.9	145.3
110°	1045.9	949.0	813.5	653.8	497.2	364.0	271.7	217.2	183.9	172.9	161.9

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	991.4	886.2	757.5	617.5	480.5	364.8	283.0	232.3	200.5	189.2	177.8
115°	929.3	830.2	713.6	588.8	469.2	367.8	294.4	248.2	215.7	205.4	195.2
117.5°	874.1	781.7	677.3	569.1	463.1	372.3	306.5	262.6	232.3	221.7	211.1
120°	825.6	745.4	651.6	554.0	457.8	376.9	318.6	277.7	248.2	237.6	227.0
122.5°	790.1	715.1	631.1	541.1	454.8	382.2	329.2	292.1	264.9	253.9	242.9
125°	756.0	689.4	611.5	529.0	451.0	387.5	340.5	306.5	279.2	268.6	258.1
127.5°	727.3	663.7	591.8	517.6	448.8	392.8	351.1	320.1	293.6	282.6	271.7
130°	697.7	638.0	572.9	506.3	447.2	398.8	361.0	332.2	305.7	295.1	284.5
132.5°	667.5	613.7	554.7	497.2	446.5	404.9	370.8	342.8	317.8	307.2	296.7
135°	638.0	588.0	538.1	488.9	445.7	409.4	379.1	352.7	328.4	317.8	307.2
137.5°	608.4	567.6	524.4	482.8	445.7	414.0	386.0	361.0	336.8	327.0	317.1
140°	582.7	547.9	511.6	477.5	445.0	417.0	391.2	367.8	345.1	335.2	325.4
142.5°	559.2	530.5	501.0	472.2	445.0	419.2	395.8	373.1	351.1	342.0	333.0
145°	539.6	516.1	491.1	467.7	443.5	420.8	399.6	378.4	358.0	349.6	341.3
147.5°	522.9	504.0	483.6	463.1	441.2	421.5	401.8	382.9	363.2	355.6	348.1
150°	507.8	491.9	475.2	457.1	438.9	420.8	403.4	386.0	368.5	361.7	354.9
152.5°	494.9	482.1	466.9	451.8	435.1	419.2	404.1	389.0	373.8	367.8	361.7
155°	482.8	471.5	459.4	445.0	430.6	417.7	404.9	392.0	379.1	373.5	367.8
157.5°	470.7	460.9	450.3	438.9	426.1	414.7	404.9	394.3	382.9	378.0	373.1
160°	458.6	450.3	442.0	432.1	421.5	412.4	404.9	395.8	386.7	382.5	378.4
162.5°	447.2	440.4	433.6	426.1	417.7	410.2	404.1	396.5	389.0	386.0	382.9
165°	435.9	430.6	425.3	419.2	412.4	407.1	402.6	397.3	390.5	388.2	386.0
167.5°	425.3	421.5	417.0	412.4	407.9	404.1	401.8	397.3	392.0	390.5	389.0
170°	416.2	413.2	410.9	407.1	404.1	401.8	400.3	396.5	392.8	391.6	390.5
172.5°	407.9	405.6	404.1	401.8	399.6	398.8	398.1	395.8	393.5	392.8	392.0
175°	401.1	400.3	399.6	397.3	396.5	395.8	396.5	395.0	393.5	393.2	392.8
177.5°	396.5	395.8	395.8	394.3	393.5	394.3	395.8	394.3	393.5	393.5	393.5
180°	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5	393.5

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	959.5	959.5	959.5	959.5
2.5°	941.8	941.8	952.9	964.7
5°	921.2	926.3	944.0	960.3
7.5°	901.3	910.1	932.2	952.9
10°	876.9	888.7	916.0	940.3
12.5°	853.3	864.4	896.1	923.4
15°	820.1	834.1	868.1	902.0
17.5°	786.9	801.0	842.3	882.1
20°	747.9	766.3	812.8	865.9
22.5°	711.7	734.6	786.2	829.0
25°	671.9	707.3	755.2	810.5
27.5°	636.5	671.9	720.6	776.6
30°	596.7	632.8	683.0	734.6
32.5°	558.3	591.5	640.2	703.6
35°	518.5	550.2	597.4	661.6
37.5°	482.3	513.3	564.9	623.9
40°	446.9	479.4	523.6	582.6
42.5°	413.8	442.5	482.3	541.3
45°	383.5	404.2	441.0	496.4
47.5°	351.8	370.2	404.2	459.5
50°	322.3	337.8	367.3	418.9
52.5°	293.5	306.8	334.1	375.4
55°	267.7	280.3	300.2	340.7
57.5°	241.2	250.8	269.9	302.4
60°	215.4	224.2	239.7	266.2
62.5°	189.5	196.9	211.7	233.1
65°	166.7	172.6	183.6	202.1
67.5°	144.6	148.2	157.1	171.8
70°	123.2	126.1	133.5	145.3
72.5°	100.3	103.3	111.4	119.5
75°	81.1	81.9	87.8	94.4
77.5°	63.4	62.7	67.1	72.3
80°	43.5	45.7	49.4	51.6
82.5°	29.5	30.2	31.7	33.2
85°	16.2	17.0	17.0	19.2
87.5°	6.6	7.4	7.4	8.1
90°	7.6	6.1	3.0	0.8
92.5°	25.7	21.9	15.9	11.4
95°	43.9	37.1	29.5	26.5
97.5°	62.1	52.2	43.9	39.4
100°	79.5	67.4	60.5	58.3
102.5°	96.1	84.0	77.2	75.7
105°	112.0	100.6	95.4	92.3
107.5°	128.7	118.1	112.8	110.5
110°	146.1	136.2	131.7	128.7

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	162.7	153.6	148.3	145.3
115°	180.1	171.0	166.5	162.7
117.5°	196.8	188.4	183.9	180.9
120°	211.9	205.1	200.5	197.5
122.5°	227.8	220.2	215.7	213.4
125°	242.9	233.8	229.3	227.0
127.5°	257.3	247.5	241.4	238.4
130°	269.4	258.8	251.2	248.2
132.5°	280.8	269.4	261.1	257.3
135°	289.8	278.5	269.4	266.4
137.5°	299.7	287.6	278.5	274.7
140°	308.8	296.7	287.6	284.5
142.5°	317.1	305.0	296.7	294.4
145°	326.2	314.8	307.2	304.2
147.5°	335.2	324.7	317.1	314.8
150°	343.6	333.7	327.7	325.4
152.5°	351.1	342.8	336.8	336.0
155°	359.5	351.1	346.6	345.8
157.5°	366.3	358.7	354.9	354.2
160°	372.3	366.3	363.2	362.5
162.5°	377.6	373.1	370.1	370.8
165°	382.2	377.6	376.1	376.9
167.5°	386.0	382.9	381.4	382.2
170°	389.0	386.7	386.0	387.5
172.5°	391.2	389.0	389.7	390.5
175°	392.8	391.2	392.0	392.8
177.5°	393.5	392.0	392.8	394.3
180°	393.5	393.5	393.5	393.5

TEST NUMBER: P998557

CATALOG NUMBER: SA2XXDIP-B485D725UB27-4F0-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	14.67	15.45	15.68	16.47	17.83	12.16	12.94	13.18	13.96	15.32
	3H	15.47	16.17	16.50	17.20	18.58	13.50	14.20	14.53	15.23	16.61
	4H	15.64	16.30	16.68	17.33	18.72	13.96	14.62	15.00	15.65	17.04
	6H	15.68	16.29	16.73	17.32	18.72	14.26	14.87	15.31	15.90	17.31
	8H	15.66	16.23	16.71	17.29	18.68	14.34	14.92	15.40	15.97	17.37
	12H	15.62	16.16	16.67	17.21	18.63	14.38	14.93	15.44	15.98	17.40
4H	2H	14.70	15.36	15.74	16.39	17.78	12.60	13.26	13.64	14.29	15.68
	3H	15.67	16.22	16.73	17.28	18.68	14.05	14.60	15.10	15.66	17.06
	4H	15.95	16.45	17.01	17.50	18.93	14.58	15.08	15.64	16.14	17.56
	6H	16.07	16.50	17.14	17.58	19.00	14.96	15.39	16.03	16.46	17.88
	8H	16.07	16.47	17.14	17.54	18.97	15.07	15.47	16.13	16.54	17.97
	12H	16.03	16.39	17.12	17.47	18.91	15.12	15.48	16.20	16.56	18.00
8H	4H	15.95	16.35	17.02	17.42	18.85	14.72	15.12	15.79	16.19	17.62
	6H	16.12	16.46	17.22	17.57	19.00	15.15	15.48	16.24	16.59	18.02
	8H	16.15	16.44	17.25	17.54	18.99	15.30	15.59	16.40	16.68	18.13
	12H	16.14	16.39	17.24	17.48	18.97	15.39	15.64	16.49	16.73	18.22
12H	4H	15.90	16.27	16.99	17.35	18.79	14.69	15.05	15.77	16.13	17.57
	6H	16.10	16.39	17.20	17.49	18.94	15.15	15.44	16.25	16.53	17.99
	8H	16.13	16.39	17.23	17.48	18.97	15.30	15.56	16.40	16.65	18.14