

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: P998389

Luminaire Tested: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998389
REPORT IS A COMBINATION OF REPORTS P984129 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

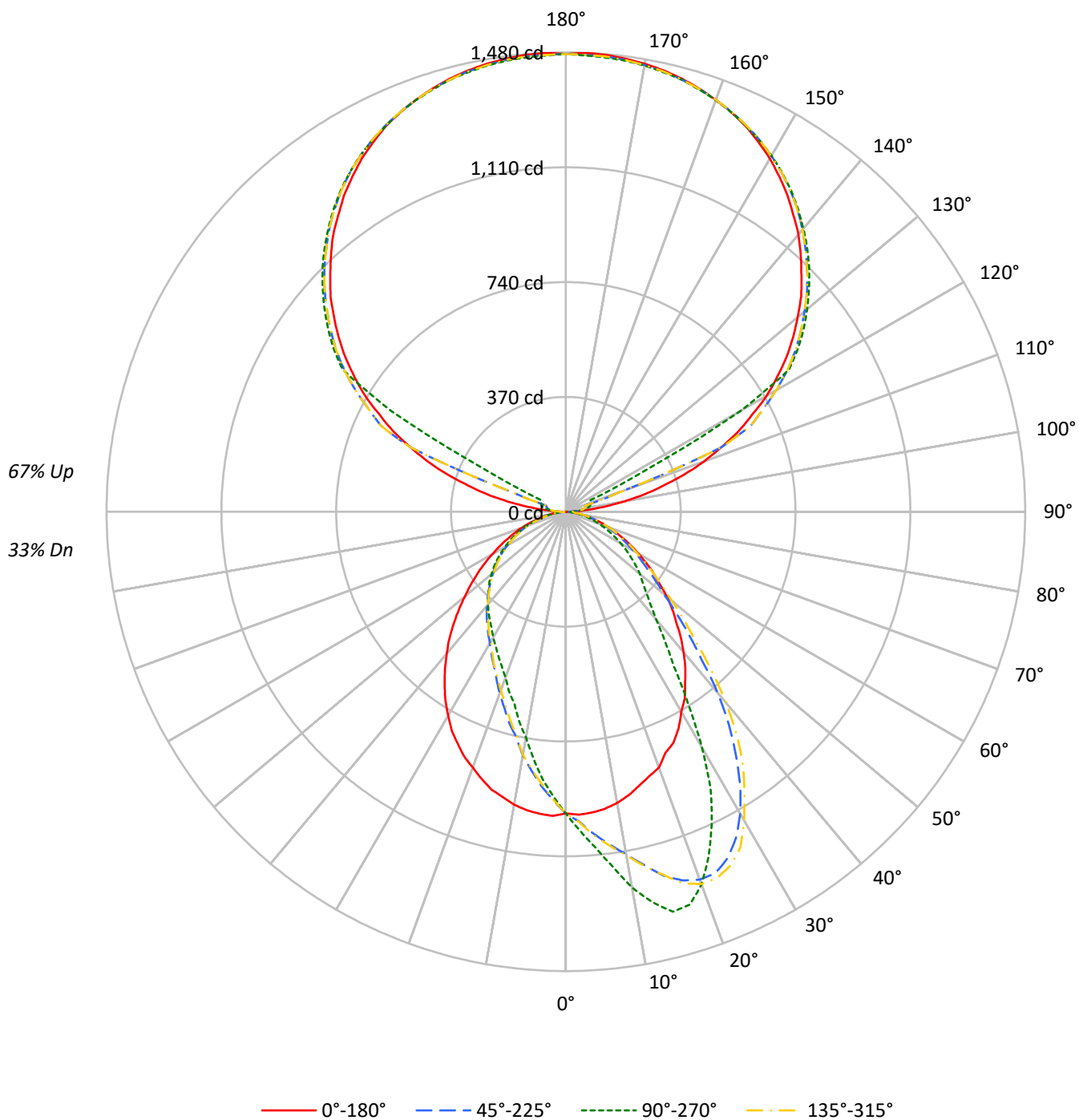
Lumens per Lamp: N/A
Luminaire Lumens: 6469.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 59
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

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	50	30	10
RCR																				
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41			33
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	36	36	35			29
2	86	79	73	68	77	72	67	63	57	54	51	44	42	40	32	31	30			24
3	79	70	63	57	71	63	57	53	51	47	43	40	37	34	29	27	26			21
4	72	62	54	49	65	56	50	45	45	41	37	35	32	30	26	24	22			18
5	66	55	47	42	60	50	44	39	41	36	32	32	29	26	24	22	20			16
6	61	50	42	36	55	45	38	34	37	32	28	29	25	23	22	19	18			14
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	20	17	16			13
8	52	41	33	28	47	37	31	26	30	25	22	24	21	18	18	16	14			12
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13			11
10	45	34	27	22	41	31	25	21	26	21	18	20	17	15	16	13	12			10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15383	15383	15383	15383
5°	15419	16401	15478	13049
10°	15240	17905	15336	10758
15°	14871	18885	15077	9062
20°	14638	17732	14638	7877
25°	14172	15233	14236	7044
30°	13404	11974	13659	6380
35°	12724	8280	12937	5837
40°	11943	6252	12079	5404
45°	10979	5138	11158	4937
50°	10147	4510	10163	4520
55°	9196	3842	9254	4066
60°	8181	3210	8296	3549
65°	7277	2610	7408	3031
70°	6370	2049	6535	2445
75°	5348	1487	5555	1772
80°	4176	942	4471	1051
85°	2740	475	2952	350

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15901 cd/sqm

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	1.4
10°-20°	269.4	4.2
20°-30°	391.0	6.0
30°-40°	412.2	6.4
40°-50°	364.7	5.6
50°-60°	291.2	4.5
60°-70°	197.8	3.1
70°-80°	101.2	1.6
80°-90°	26.5	0.4
90°-100°	48.6	0.8
100°-110°	181.2	2.8
110°-120°	480.7	7.4
120°-130°	797.2	12.3
130°-140°	846.8	13.1
140°-150°	787.0	12.2
150°-160°	632.7	9.8
160°-170°	407.7	6.3
170°-180°	140.3	2.2
0°-30°	752.9	11.6
0°-40°	1165.1	18.0
0°-60°	1821.1	28.2
0°-90°	2146.6	33.2
90°-120°	710.5	11.0
90°-150°	3141.6	48.6
90°-180°	4322.0	66.8
0°-180°	6469.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	972	972	972	972	972	
5°	972	1085	976	864	972	92
15°	914	1334	926	640	914	258
25°	821	1111	825	514	821	375
35°	670	605	681	426	670	419
45°	503	364	511	350	503	390
55°	345	256	347	271	345	308
65°	205	158	208	183	205	203
75°	96	78	99	93	96	103
85°	19	20	21	15	19	23
90°	1	29	1	29	1	5
95°	69	46	69	46	69	82
105°	324	81	324	81	324	347
115°	613	88	613	88	613	604
125°	867	912	867	912	867	774
135°	1073	1108	1073	1108	1073	829
145°	1245	1264	1245	1264	1245	779
155°	1371	1372	1371	1372	1371	632
165°	1444	1441	1444	1441	1444	408
175°	1478	1469	1478	1469	1478	141
180°	1474	1474	1474	1474	1474	

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	977.0	979.2	983.0	983.7	991.2	997.2	1003.9	1003.9	1006.1	1005.4	999.4
5°	972.5	979.2	988.9	997.2	1010.6	1016.6	1025.5	1032.3	1038.2	1042.7	1042.0
7.5°	965.0	977.0	991.2	1006.9	1024.8	1035.3	1047.9	1059.9	1068.1	1075.6	1080.8
10°	952.3	972.5	991.9	1012.8	1036.0	1050.2	1065.1	1080.8	1093.5	1107.7	1121.1
12.5°	935.2	964.3	988.2	1015.8	1044.2	1059.9	1083.8	1095.8	1120.4	1156.3	1166.0
15°	913.5	953.1	975.5	1010.6	1047.9	1060.6	1093.5	1112.9	1163.7	1186.1	1213.0
17.5°	893.3	937.4	967.3	1007.6	1044.2	1068.9	1101.0	1140.6	1183.1	1215.3	1245.1
20°	876.9	919.5	955.3	1000.1	1046.5	1077.8	1111.4	1159.2	1205.6	1238.4	1261.6
22.5°	839.6	894.1	935.9	986.0	1042.0	1085.3	1117.4	1169.7	1219.7	1239.9	1260.1
25°	820.9	867.9	916.5	973.3	1039.0	1090.5	1118.2	1176.4	1220.5	1228.0	1232.4
27.5°	786.5	839.6	896.3	961.3	1038.2	1081.6	1116.7	1169.7	1204.8	1199.6	1186.1
30°	743.9	808.9	871.7	941.9	1027.8	1074.8	1107.7	1156.3	1174.2	1147.3	1123.4
32.5°	712.6	773.8	843.3	924.7	1015.8	1060.6	1092.8	1130.9	1134.6	1086.0	1045.7
35°	670.0	738.0	816.4	902.3	995.7	1036.0	1065.9	1089.0	1071.1	1003.1	955.3
37.5°	631.9	699.1	782.8	870.2	968.0	1007.6	1031.5	1035.3	991.2	931.4	861.2
40°	590.1	659.5	746.9	838.8	937.4	971.8	986.7	975.5	912.0	842.5	761.1
42.5°	548.2	617.0	711.1	805.2	898.6	927.7	933.7	903.0	825.4	743.9	649.8
45°	502.7	574.4	668.5	763.4	853.7	870.2	870.9	826.9	735.0	649.8	562.4
47.5°	465.3	531.8	625.2	720.0	796.2	807.4	803.0	752.2	652.1	556.5	480.3
50°	424.3	487.7	580.4	673.7	738.7	741.7	730.5	658.0	560.2	472.8	412.3
52.5°	380.2	444.4	529.6	619.2	677.5	673.0	651.3	573.6	481.8	409.3	363.0
55°	345.1	401.9	481.8	569.2	610.2	597.5	573.6	494.5	422.0	360.8	320.4
57.5°	306.2	356.3	434.7	510.9	534.8	522.9	499.0	425.0	357.8	311.5	284.6
60°	269.6	315.2	383.9	447.4	466.1	453.4	425.8	359.3	310.7	271.9	251.7
62.5°	236.0	275.6	333.1	391.4	398.9	386.2	362.3	308.5	266.7	236.0	221.1
65°	204.7	242.0	288.3	332.4	339.1	325.7	301.0	262.2	227.1	207.6	193.5
67.5°	174.0	203.9	245.0	277.1	280.8	268.1	248.0	216.6	194.9	174.0	163.6
70°	147.1	169.6	201.7	227.8	229.3	217.4	206.9	178.5	162.1	147.1	138.9
72.5°	121.0	136.7	161.3	180.8	181.5	174.0	164.3	146.4	132.2	121.8	113.5
75°	95.6	109.1	124.0	141.2	140.4	134.4	127.0	115.8	103.8	97.1	93.4
77.5°	73.2	81.4	93.4	104.6	104.6	101.6	97.1	88.9	81.4	74.7	71.0
80°	52.3	57.5	67.2	71.0	72.5	71.7	68.0	62.0	59.0	53.8	52.3
82.5°	33.6	37.3	41.8	45.6	47.8	46.3	45.6	42.6	38.1	36.6	35.1
85°	19.4	20.9	23.2	25.4	26.1	25.4	26.9	24.6	22.4	22.4	21.7
87.5°	8.2	9.0	10.5	10.5	11.2	11.2	10.5	11.2	11.2	10.5	9.7
90°	1.1	3.7	6.3	8.9	11.5	12.8	13.7	15.6	17.5	19.4	21.3
92.5°	26.7	25.7	24.8	23.8	22.9	22.4	22.8	23.5	24.2	24.9	25.6
95°	69.3	61.5	53.7	45.8	38.0	34.1	34.9	36.6	38.3	39.9	41.6
97.5°	124.8	105.4	85.9	66.5	47.0	37.3	39.2	43.0	46.8	50.6	54.4
100°	188.8	156.3	123.9	91.4	58.9	42.7	44.7	48.7	52.8	56.8	60.8
102.5°	259.2	258.7	258.3	257.8	257.3	257.1	235.5	192.4	149.2	106.1	62.9
105°	324.3	331.4	338.5	345.6	352.7	356.3	323.9	259.2	194.5	129.8	65.1
107.5°	400.1	406.0	411.9	417.8	423.7	426.7	386.8	306.9	227.0	147.1	67.2
110°	472.6	477.6	482.6	487.5	492.5	495.0	460.7	392.2	323.7	255.2	186.7

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	540.9	545.2	549.4	553.7	558.0	560.1	558.1	554.1	550.0	546.0	542.0
115°	613.4	617.4	621.5	625.5	629.6	631.6	634.6	640.5	646.4	652.3	658.2
117.5°	676.4	681.1	685.9	690.6	695.3	697.7	699.7	703.8	707.8	711.9	715.9
120°	746.8	750.4	753.9	757.5	761.0	762.8	764.9	769.2	773.5	777.7	782.0
122.5°	806.5	810.3	814.1	817.9	821.7	823.6	826.0	830.7	835.4	840.2	844.9
125°	867.4	870.5	873.5	876.6	879.7	881.2	883.5	888.0	892.5	897.0	901.5
127.5°	922.8	926.1	929.5	932.8	936.1	937.8	939.6	943.1	946.7	950.2	953.8
130°	975.1	978.9	982.7	986.5	990.3	992.2	993.5	996.1	998.7	1001.3	1003.9
132.5°	1028.4	1031.5	1034.6	1037.7	1040.8	1042.3	1043.6	1046.2	1048.9	1051.5	1054.1
135°	1073.3	1077.1	1080.9	1084.6	1088.4	1090.3	1091.4	1093.5	1095.6	1097.8	1099.9
137.5°	1120.2	1123.0	1125.9	1128.7	1131.6	1133.0	1134.2	1136.6	1138.9	1141.3	1143.7
140°	1166.1	1168.0	1169.9	1171.8	1173.7	1174.6	1175.9	1178.5	1181.1	1183.7	1186.3
142.5°	1204.5	1206.1	1207.8	1209.4	1211.1	1211.9	1213.4	1216.5	1219.6	1222.7	1225.8
145°	1245.0	1244.8	1244.6	1244.3	1244.1	1244.0	1246.0	1250.0	1254.1	1258.1	1262.1
147.5°	1280.2	1279.5	1278.8	1278.1	1277.4	1277.0	1279.0	1283.1	1287.1	1291.2	1295.2
150°	1314.4	1312.7	1311.1	1309.4	1307.7	1306.9	1308.8	1312.6	1316.4	1320.2	1324.0
152.5°	1343.2	1341.3	1339.4	1337.5	1335.6	1334.6	1336.4	1339.9	1343.5	1347.0	1350.6
155°	1370.9	1368.8	1366.6	1364.5	1362.4	1361.3	1362.7	1365.6	1368.4	1371.3	1374.1
157.5°	1393.3	1391.4	1389.5	1387.6	1385.7	1384.8	1385.9	1388.0	1390.1	1392.3	1394.4
160°	1412.5	1411.1	1409.7	1408.2	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5
162.5°	1429.6	1428.2	1426.8	1425.3	1423.9	1423.2	1423.8	1425.0	1426.1	1427.3	1428.5
165°	1444.5	1443.1	1441.7	1440.2	1438.8	1438.1	1438.5	1439.2	1439.9	1440.6	1441.3
167.5°	1456.3	1454.9	1453.5	1452.0	1450.6	1449.9	1450.3	1451.0	1451.7	1452.4	1453.1
170°	1465.9	1464.5	1463.1	1461.6	1460.2	1459.5	1459.7	1460.2	1460.7	1461.1	1461.6
172.5°	1472.3	1470.9	1469.5	1468.0	1466.6	1465.9	1466.1	1466.6	1467.1	1467.5	1468.0
175°	1477.6	1475.9	1474.3	1472.6	1470.9	1470.1	1470.3	1470.8	1471.3	1471.8	1472.3
177.5°	1479.7	1478.1	1476.4	1474.8	1473.1	1472.3	1472.4	1472.6	1472.9	1473.1	1473.3
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	1009.9	1010.6	1012.1	1019.6	1023.3	1024.0	1021.1	1027.8	1030.0	1027.8	1026.3
5°	1057.7	1062.1	1071.1	1080.8	1080.1	1080.8	1085.3	1089.8	1091.3	1085.3	1087.5
7.5°	1099.5	1108.4	1118.2	1133.1	1133.1	1140.6	1143.6	1147.3	1156.3	1151.8	1150.3
10°	1147.3	1159.2	1177.2	1201.1	1201.8	1209.3	1216.8	1228.7	1232.4	1229.5	1230.9
12.5°	1207.0	1230.2	1231.7	1257.8	1269.8	1271.3	1283.2	1281.0	1288.5	1288.5	1301.2
15°	1233.2	1269.0	1289.2	1314.6	1322.1	1313.1	1322.8	1333.3	1334.0	1334.0	1333.3
17.5°	1280.2	1294.4	1314.6	1328.0	1331.0	1331.0	1331.8	1336.3	1333.3	1327.3	1331.8
20°	1290.0	1295.9	1303.4	1301.9	1303.4	1295.9	1288.5	1281.0	1281.7	1278.0	1289.2
22.5°	1272.0	1270.5	1253.4	1242.2	1242.2	1227.2	1213.0	1206.3	1199.6	1201.8	1205.6
25°	1227.2	1204.1	1183.1	1166.7	1163.0	1139.1	1119.7	1113.7	1102.5	1111.4	1112.9
27.5°	1155.5	1129.4	1095.8	1081.6	1062.1	1052.4	1039.0	1021.1	997.9	1011.3	1009.1
30°	1078.6	1039.7	1012.1	977.7	947.1	944.9	919.5	889.6	877.6	877.6	884.4
32.5°	992.7	941.1	900.8	852.3	822.4	809.7	779.1	749.2	755.9	733.5	741.7
35°	892.6	824.6	773.8	726.8	704.4	689.4	649.8	633.4	615.5	605.0	624.4
37.5°	797.0	718.6	653.6	602.0	593.8	566.9	540.0	529.6	519.1	523.6	522.9
40°	680.5	611.0	552.7	512.4	498.2	485.5	467.6	454.9	448.2	451.9	452.6
42.5°	575.1	516.9	473.6	445.2	433.2	424.3	415.3	404.8	402.6	402.6	405.6
45°	493.7	445.9	416.8	393.6	386.9	380.2	373.5	369.0	367.5	364.5	366.7
47.5°	428.7	390.6	372.7	355.5	348.1	346.6	340.6	338.4	335.4	334.6	335.4
50°	374.2	350.3	333.9	324.2	318.9	316.7	313.7	309.2	307.7	311.5	310.0
52.5°	336.1	313.7	304.7	295.0	292.1	289.1	284.6	285.3	284.6	283.1	283.1
55°	298.0	283.8	274.9	267.4	266.7	263.7	259.9	258.4	257.7	256.2	258.4
57.5°	267.4	256.2	248.0	241.3	238.3	238.3	234.5	231.5	231.5	230.8	231.5
60°	236.8	225.6	220.3	213.6	211.4	210.6	208.4	206.9	204.7	204.7	204.7
62.5°	208.4	199.4	193.5	187.5	188.2	184.5	181.5	180.0	180.0	180.8	180.8
65°	181.5	175.5	168.1	162.8	161.3	160.6	159.1	158.3	156.1	157.6	157.6
67.5°	156.9	148.6	144.2	141.9	139.7	138.9	137.4	135.9	135.2	134.4	135.9
70°	132.2	125.5	121.8	120.3	118.0	117.3	116.5	114.3	115.0	115.8	116.5
72.5°	109.8	103.8	103.1	98.6	98.6	98.6	95.6	97.1	96.4	94.9	96.4
75°	86.6	83.7	82.2	79.9	80.7	79.9	79.2	76.9	76.9	77.7	78.4
77.5°	68.7	65.7	65.0	62.7	61.2	62.7	61.2	60.5	60.5	61.2	61.2
80°	50.8	49.3	47.1	47.1	47.1	46.3	46.3	46.3	45.6	44.8	45.6
82.5°	33.6	33.6	32.9	32.1	32.9	31.4	32.1	32.1	32.1	32.1	32.1
85°	21.7	20.9	20.9	20.2	20.2	20.2	20.9	19.4	19.4	20.2	20.2
87.5°	9.7	9.7	9.7	10.5	9.7	9.7	9.7	10.5	9.7	9.7	9.7
90°	22.5	23.7	24.9	26.1	26.7	26.9	27.4	27.9	28.3	28.8	28.3
92.5°	26.1	26.5	27.0	27.5	27.7	27.8	28.1	28.3	28.6	28.8	28.6
95°	42.8	44.0	45.1	46.3	46.9	46.8	46.6	46.3	46.1	45.9	46.1
97.5°	55.1	55.8	56.5	57.2	57.6	57.7	58.0	58.2	58.5	58.7	58.5
100°	62.7	64.6	66.5	68.4	69.3	69.5	70.0	70.5	71.0	71.5	71.0
102.5°	65.5	68.1	70.8	73.4	74.7	75.1	75.8	76.5	77.2	77.9	77.2
105°	67.7	70.3	72.9	75.5	76.8	77.3	78.2	79.2	80.1	81.1	80.1
107.5°	69.8	72.4	75.0	77.6	78.9	79.4	80.3	81.3	82.2	83.2	82.2
110°	163.0	139.3	115.6	91.9	80.0	80.5	81.4	82.4	83.3	84.3	83.3

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	439.8	337.6	235.4	133.2	82.1	82.5	83.2	83.9	84.6	85.3	84.6
115°	548.4	438.7	328.9	219.2	164.3	155.8	138.7	121.6	104.6	87.5	104.6
117.5°	682.0	648.1	614.2	580.3	563.3	532.2	470.1	408.0	345.9	283.8	345.9
120°	784.8	787.7	790.5	793.4	794.8	778.8	746.8	714.8	682.8	650.8	682.8
122.5°	846.3	847.8	849.2	850.7	851.4	851.5	851.7	852.0	852.2	852.4	852.2
125°	903.2	904.8	906.5	908.2	909.0	909.4	910.1	910.8	911.5	912.2	911.5
127.5°	956.2	958.5	960.9	963.2	964.4	964.5	964.8	965.0	965.3	965.5	965.3
130°	1006.5	1009.1	1011.7	1014.3	1015.6	1015.5	1015.3	1015.0	1014.8	1014.6	1014.8
132.5°	1056.2	1058.4	1060.5	1062.6	1063.7	1063.6	1063.3	1063.1	1062.8	1062.6	1062.8
135°	1102.3	1104.7	1107.0	1109.4	1110.6	1110.4	1109.9	1109.4	1109.0	1108.5	1109.0
137.5°	1146.1	1148.4	1150.8	1153.1	1154.3	1153.9	1153.2	1152.5	1151.8	1151.1	1151.8
140°	1188.4	1190.6	1192.7	1194.8	1195.9	1195.3	1194.1	1193.0	1191.8	1190.6	1191.8
142.5°	1227.7	1229.6	1231.5	1233.4	1234.4	1233.8	1232.6	1231.4	1230.2	1229.0	1230.2
145°	1263.8	1265.4	1267.1	1268.8	1269.6	1269.0	1267.8	1266.6	1265.4	1264.2	1265.4
147.5°	1296.4	1297.6	1298.7	1299.9	1300.5	1300.0	1299.1	1298.1	1297.2	1296.2	1297.2
150°	1325.4	1326.8	1328.3	1329.7	1330.4	1329.8	1328.6	1327.4	1326.2	1325.0	1326.2
152.5°	1352.0	1353.4	1354.9	1356.3	1357.0	1356.2	1354.5	1352.9	1351.2	1349.6	1351.2
155°	1375.5	1376.9	1378.4	1379.8	1380.5	1379.6	1377.7	1375.8	1373.9	1372.0	1373.9
157.5°	1396.0	1397.7	1399.3	1401.0	1401.8	1400.9	1399.0	1397.1	1395.2	1393.3	1395.2
160°	1413.9	1415.3	1416.8	1418.2	1418.9	1418.1	1416.4	1414.7	1413.1	1411.4	1413.1
162.5°	1430.2	1431.8	1433.5	1435.2	1436.0	1434.9	1432.8	1430.7	1428.5	1426.4	1428.5
165°	1443.0	1444.6	1446.3	1448.0	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1443.0
167.5°	1454.7	1456.4	1458.0	1459.7	1460.5	1459.4	1457.3	1455.2	1453.0	1450.9	1453.0
170°	1463.3	1464.9	1466.6	1468.3	1469.1	1468.0	1465.9	1463.8	1461.6	1459.5	1461.6
172.5°	1469.7	1471.3	1473.0	1474.7	1475.5	1474.4	1472.3	1470.2	1468.0	1465.9	1468.0
175°	1473.9	1475.6	1477.2	1478.9	1479.7	1478.5	1476.2	1473.8	1471.5	1469.1	1471.5
177.5°	1475.0	1476.6	1478.3	1480.0	1480.8	1479.7	1477.6	1475.5	1473.3	1471.2	1473.3
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	1030.0	1024.8	1020.3	1021.1	1024.8	1021.8	1014.3	1004.6	1000.9	996.4	1000.9
5°	1092.0	1087.5	1078.6	1079.3	1077.1	1074.1	1062.1	1047.2	1047.2	1035.3	1033.8
7.5°	1153.3	1146.5	1140.6	1139.1	1130.9	1124.9	1114.4	1093.5	1085.3	1071.1	1062.9
10°	1222.0	1216.8	1210.0	1201.8	1197.3	1186.9	1169.7	1139.1	1124.1	1104.7	1090.5
12.5°	1291.4	1290.7	1275.8	1259.3	1258.6	1242.2	1230.2	1189.1	1169.0	1142.8	1109.2
15°	1335.5	1331.8	1323.6	1315.4	1317.6	1299.7	1272.8	1224.2	1210.8	1179.4	1143.6
17.5°	1334.8	1334.8	1332.5	1331.0	1328.8	1323.6	1308.6	1276.5	1254.8	1215.3	1181.6
20°	1292.2	1301.9	1304.1	1303.4	1310.9	1314.6	1313.9	1293.7	1276.5	1241.4	1207.0
22.5°	1207.0	1229.5	1239.2	1245.1	1260.8	1269.0	1288.5	1281.0	1276.5	1250.4	1221.2
25°	1127.9	1135.3	1164.5	1166.0	1187.6	1207.8	1227.2	1239.9	1256.3	1246.6	1222.0
27.5°	1025.5	1042.7	1063.6	1079.3	1083.8	1124.9	1157.0	1180.9	1218.2	1221.2	1213.0
30°	909.8	918.0	952.3	973.3	997.2	1027.0	1073.3	1114.4	1148.0	1178.7	1189.1
32.5°	768.6	802.2	822.4	847.8	868.7	921.7	978.5	1031.5	1070.4	1121.9	1144.3
35°	639.4	665.5	699.9	710.3	748.4	793.2	867.2	935.2	994.2	1046.5	1092.0
37.5°	532.6	553.5	590.1	606.5	628.9	686.4	748.4	832.8	903.8	968.0	1024.8
40°	459.4	475.0	502.7	507.9	526.6	578.9	628.9	708.1	802.2	888.9	950.8
42.5°	409.3	416.8	435.5	442.2	454.1	489.2	534.1	608.8	696.1	785.8	873.2
45°	373.5	378.7	389.9	395.9	410.8	426.5	463.1	522.9	591.6	682.0	776.1
47.5°	341.3	348.1	352.6	356.3	364.5	381.7	405.6	449.7	515.4	598.3	689.4
50°	314.5	316.7	324.9	325.7	330.9	342.1	364.5	391.4	443.7	510.9	599.0
52.5°	287.6	289.8	295.0	300.3	302.5	311.5	326.4	348.8	387.7	440.7	519.1
55°	260.7	263.7	268.9	272.6	274.9	282.3	291.3	313.0	343.6	380.9	445.2
57.5°	233.8	240.5	242.0	244.2	248.0	256.2	264.4	277.1	301.0	335.4	382.4
60°	208.4	210.6	215.9	218.1	221.8	226.3	236.8	246.5	263.7	290.6	333.1
62.5°	182.3	187.5	189.7	192.0	194.9	200.2	206.9	217.4	232.3	254.0	287.6
65°	159.8	160.6	165.1	168.1	171.0	174.8	181.5	191.2	200.2	220.3	245.0
67.5°	138.2	139.7	141.2	144.2	147.9	151.6	157.6	162.8	174.0	187.5	206.9
70°	117.3	117.3	121.0	123.2	122.5	127.0	131.5	137.4	145.7	158.3	174.0
72.5°	98.6	97.8	100.8	101.6	103.1	106.1	109.1	115.0	119.5	129.2	141.2
75°	78.4	79.9	81.4	81.4	83.7	85.9	88.9	91.9	97.1	103.1	112.0
77.5°	62.0	62.0	63.5	64.2	66.5	65.7	68.7	71.7	75.4	80.7	87.4
80°	45.6	47.1	47.1	47.1	47.8	48.6	51.5	53.8	56.0	59.8	62.7
82.5°	32.1	32.1	33.6	33.6	33.6	35.1	35.1	35.9	37.3	39.6	41.8
85°	20.2	20.2	20.2	20.9	20.2	20.9	22.4	21.7	22.4	23.9	23.9
87.5°	9.7	9.7	9.7	9.7	9.7	10.5	9.7	10.5	11.2	11.2	11.2
90°	27.9	27.4	26.9	26.7	26.1	24.9	23.7	22.5	21.3	19.4	17.5
92.5°	28.3	28.1	27.8	27.7	27.5	27.0	26.5	26.1	25.6	24.9	24.2
95°	46.3	46.6	46.8	46.9	46.3	45.1	44.0	42.8	41.6	39.9	38.3
97.5°	58.2	58.0	57.7	57.6	57.2	56.5	55.8	55.1	54.4	50.6	46.8
100°	70.5	70.0	69.5	69.3	68.4	66.5	64.6	62.7	60.8	56.8	52.8
102.5°	76.5	75.8	75.1	74.7	73.4	70.8	68.1	65.5	62.9	106.1	149.2
105°	79.2	78.2	77.3	76.8	75.5	72.9	70.3	67.7	65.1	129.8	194.5
107.5°	81.3	80.3	79.4	78.9	77.6	75.0	72.4	69.8	67.2	147.1	227.0
110°	82.4	81.4	80.5	80.0	91.9	115.6	139.3	163.0	186.7	255.2	323.7

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.9	83.2	82.5	82.1	133.2	235.4	337.6	439.8	542.0	546.0	550.0
115°	121.6	138.7	155.8	164.3	219.2	328.9	438.7	548.4	658.2	652.3	646.4
117.5°	408.0	470.1	532.2	563.3	580.3	614.2	648.1	682.0	715.9	711.9	707.8
120°	714.8	746.8	778.8	794.8	793.4	790.5	787.7	784.8	782.0	777.7	773.5
122.5°	852.0	851.7	851.5	851.4	850.7	849.2	847.8	846.3	844.9	840.2	835.4
125°	910.8	910.1	909.4	909.0	908.2	906.5	904.8	903.2	901.5	897.0	892.5
127.5°	965.0	964.8	964.5	964.4	963.2	960.9	958.5	956.2	953.8	950.2	946.7
130°	1015.0	1015.3	1015.5	1015.6	1014.3	1011.7	1009.1	1006.5	1003.9	1001.3	998.7
132.5°	1063.1	1063.3	1063.6	1063.7	1062.6	1060.5	1058.4	1056.2	1054.1	1051.5	1048.9
135°	1109.4	1109.9	1110.4	1110.6	1109.4	1107.0	1104.7	1102.3	1099.9	1097.8	1095.6
137.5°	1152.5	1153.2	1153.9	1154.3	1153.1	1150.8	1148.4	1146.1	1143.7	1141.3	1138.9
140°	1193.0	1194.1	1195.3	1195.9	1194.8	1192.7	1190.6	1188.4	1186.3	1183.7	1181.1
142.5°	1231.4	1232.6	1233.8	1234.4	1233.4	1231.5	1229.6	1227.7	1225.8	1222.7	1219.6
145°	1266.6	1267.8	1269.0	1269.6	1268.8	1267.1	1265.4	1263.8	1262.1	1258.1	1254.1
147.5°	1298.1	1299.1	1300.0	1300.5	1299.9	1298.7	1297.6	1296.4	1295.2	1291.2	1287.1
150°	1327.4	1328.6	1329.8	1330.4	1329.7	1328.3	1326.8	1325.4	1324.0	1320.2	1316.4
152.5°	1352.9	1354.5	1356.2	1357.0	1356.3	1354.9	1353.4	1352.0	1350.6	1347.0	1343.5
155°	1375.8	1377.7	1379.6	1380.5	1379.8	1378.4	1376.9	1375.5	1374.1	1371.3	1368.4
157.5°	1397.1	1399.0	1400.9	1401.8	1401.0	1399.3	1397.7	1396.0	1394.4	1392.3	1390.1
160°	1414.7	1416.4	1418.1	1418.9	1418.2	1416.8	1415.3	1413.9	1412.5	1411.1	1409.7
162.5°	1430.7	1432.8	1434.9	1436.0	1435.2	1433.5	1431.8	1430.2	1428.5	1427.3	1426.1
165°	1444.6	1446.3	1448.0	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1440.6	1439.9
167.5°	1455.2	1457.3	1459.4	1460.5	1459.7	1458.0	1456.4	1454.7	1453.1	1452.4	1451.7
170°	1463.8	1465.9	1468.0	1469.1	1468.3	1466.6	1464.9	1463.3	1461.6	1461.1	1460.7
172.5°	1470.2	1472.3	1474.4	1475.5	1474.7	1473.0	1471.3	1469.7	1468.0	1467.5	1467.1
175°	1473.8	1476.2	1478.5	1479.7	1478.9	1477.2	1475.6	1473.9	1472.3	1471.8	1471.3
177.5°	1475.5	1477.6	1479.7	1480.8	1480.0	1478.3	1476.6	1475.0	1473.3	1473.1	1472.9
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	997.2	993.4	991.2	992.7	988.2	977.0	977.0	980.7	976.2	971.8	965.0
5°	1024.8	1017.3	1012.8	1012.1	1001.6	983.7	980.0	976.2	966.5	956.1	944.9
7.5°	1051.7	1038.2	1030.8	1025.5	1010.6	987.4	977.7	969.5	953.8	938.1	924.0
10°	1074.1	1054.7	1045.7	1037.5	1018.1	988.9	973.3	958.3	938.1	918.0	900.1
12.5°	1092.0	1069.6	1058.4	1046.5	1022.6	984.5	965.0	941.1	921.0	894.1	876.2
15°	1121.9	1075.6	1065.1	1053.9	1029.3	977.0	953.1	926.2	898.6	862.7	843.3
17.5°	1145.8	1083.8	1083.1	1059.2	1027.0	974.0	937.4	902.3	872.4	836.6	805.9
20°	1160.0	1096.5	1084.5	1059.9	1019.6	953.8	915.7	876.9	844.8	801.5	770.8
22.5°	1171.9	1114.4	1083.1	1053.2	1003.9	947.1	891.1	854.5	810.4	763.4	734.2
25°	1176.4	1118.2	1085.3	1050.9	992.7	927.7	864.2	824.6	775.3	732.7	693.2
27.5°	1177.2	1117.4	1077.1	1041.2	977.0	902.3	837.3	795.5	741.0	691.7	652.1
30°	1169.7	1109.2	1072.6	1033.8	962.1	879.1	804.4	758.1	699.9	650.6	609.5
32.5°	1147.3	1092.8	1062.9	1020.3	942.6	847.0	773.1	721.5	660.3	611.7	572.2
35°	1109.9	1072.6	1039.7	1000.1	917.2	817.1	741.7	681.2	619.2	572.9	535.6
37.5°	1063.6	1043.5	1012.8	974.0	888.1	790.3	706.6	639.4	577.4	532.6	496.0
40°	1000.9	1006.1	976.2	941.1	853.7	753.7	661.0	596.8	538.5	496.7	460.9
42.5°	932.9	954.6	937.4	903.8	815.7	713.3	627.4	556.5	499.7	456.4	426.5
45°	859.7	897.1	886.6	862.0	776.1	670.7	579.6	510.9	460.9	419.0	392.9
47.5°	779.8	832.8	832.8	814.9	732.0	628.2	538.5	468.3	419.0	389.2	363.8
50°	698.4	758.1	767.8	755.9	682.7	579.6	488.5	425.0	382.4	353.3	334.6
52.5°	613.2	682.7	700.6	694.6	630.4	533.3	447.4	385.4	346.6	321.2	304.7
55°	531.8	612.5	631.9	634.1	574.4	482.5	401.9	347.3	310.0	292.8	278.6
57.5°	454.9	532.6	554.2	558.0	517.6	436.2	359.3	311.5	277.9	263.7	252.5
60°	389.2	454.1	482.5	490.7	455.6	382.4	319.7	273.4	248.0	234.5	224.1
62.5°	335.4	387.7	417.5	419.8	404.1	335.4	278.6	239.8	218.1	206.2	200.9
65°	283.1	330.1	348.1	357.0	344.3	290.6	240.5	208.4	191.2	180.8	175.5
67.5°	241.3	271.1	286.1	298.0	285.3	245.0	204.7	178.5	165.8	155.4	152.4
70°	197.9	222.6	233.8	245.7	234.5	203.9	174.8	150.9	139.7	131.5	127.7
72.5°	158.3	177.8	188.2	195.7	189.0	163.6	139.7	123.2	115.0	109.1	106.8
75°	125.5	138.9	144.9	150.1	147.1	127.7	112.8	99.3	91.9	86.6	85.2
77.5°	95.6	105.3	112.0	113.5	109.8	97.1	84.4	76.2	70.2	67.2	65.7
80°	68.0	73.9	77.7	79.9	76.2	71.0	62.0	56.0	50.8	47.1	46.3
82.5°	45.6	48.6	51.5	50.8	49.3	44.8	39.6	36.6	34.4	31.4	31.4
85°	26.1	26.9	28.4	29.1	28.4	25.4	22.4	20.9	19.4	17.2	17.2
87.5°	11.2	12.0	12.0	12.7	11.2	11.2	9.7	8.2	8.2	7.5	6.7
90°	15.6	13.7	12.8	11.5	8.9	6.3	3.7	1.1	3.7	6.3	8.9
92.5°	23.5	22.8	22.4	22.9	23.8	24.8	25.7	26.7	25.7	24.8	23.8
95°	36.6	34.9	34.1	38.0	45.8	53.7	61.5	69.3	61.5	53.7	45.8
97.5°	43.0	39.2	37.3	47.0	66.5	85.9	105.4	124.8	105.4	85.9	66.5
100°	48.7	44.7	42.7	58.9	91.4	123.9	156.3	188.8	156.3	123.9	91.4
102.5°	192.4	235.5	257.1	257.3	257.8	258.3	258.7	259.2	258.7	258.3	257.8
105°	259.2	323.9	356.3	352.7	345.6	338.5	331.4	324.3	331.4	338.5	345.6
107.5°	306.9	386.8	426.7	423.7	417.8	411.9	406.0	400.1	406.0	411.9	417.8
110°	392.2	460.7	495.0	492.5	487.5	482.6	477.6	472.6	477.6	482.6	487.5

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	554.1	558.1	560.1	558.0	553.7	549.4	545.2	540.9	545.2	549.4	553.7
115°	640.5	634.6	631.6	629.6	625.5	621.5	617.4	613.4	617.4	621.5	625.5
117.5°	703.8	699.7	697.7	695.3	690.6	685.9	681.1	676.4	681.1	685.9	690.6
120°	769.2	764.9	762.8	761.0	757.5	753.9	750.4	746.8	750.4	753.9	757.5
122.5°	830.7	826.0	823.6	821.7	817.9	814.1	810.3	806.5	810.3	814.1	817.9
125°	888.0	883.5	881.2	879.7	876.6	873.5	870.5	867.4	870.5	873.5	876.6
127.5°	943.1	939.6	937.8	936.1	932.8	929.5	926.1	922.8	926.1	929.5	932.8
130°	996.1	993.5	992.2	990.3	986.5	982.7	978.9	975.1	978.9	982.7	986.5
132.5°	1046.2	1043.6	1042.3	1040.8	1037.7	1034.6	1031.5	1028.4	1031.5	1034.6	1037.7
135°	1093.5	1091.4	1090.3	1088.4	1084.6	1080.9	1077.1	1073.3	1077.1	1080.9	1084.6
137.5°	1136.6	1134.2	1133.0	1131.6	1128.7	1125.9	1123.0	1120.2	1123.0	1125.9	1128.7
140°	1178.5	1175.9	1174.6	1173.7	1171.8	1169.9	1168.0	1166.1	1168.0	1169.9	1171.8
142.5°	1216.5	1213.4	1211.9	1211.1	1209.4	1207.8	1206.1	1204.5	1206.1	1207.8	1209.4
145°	1250.0	1246.0	1244.0	1244.1	1244.3	1244.6	1244.8	1245.0	1244.8	1244.6	1244.3
147.5°	1283.1	1279.0	1277.0	1277.4	1278.1	1278.8	1279.5	1280.2	1279.5	1278.8	1278.1
150°	1312.6	1308.8	1306.9	1307.7	1309.4	1311.1	1312.7	1314.4	1312.7	1311.1	1309.4
152.5°	1339.9	1336.4	1334.6	1335.6	1337.5	1339.4	1341.3	1343.2	1341.3	1339.4	1337.5
155°	1365.6	1362.7	1361.3	1362.4	1364.5	1366.6	1368.8	1370.9	1368.8	1366.6	1364.5
157.5°	1388.0	1385.9	1384.8	1385.7	1387.6	1389.5	1391.4	1393.3	1391.4	1389.5	1387.6
160°	1408.2	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5	1411.1	1409.7	1408.2
162.5°	1425.0	1423.8	1423.2	1423.9	1425.3	1426.8	1428.2	1429.6	1428.2	1426.8	1425.3
165°	1439.2	1438.5	1438.1	1438.8	1440.2	1441.7	1443.1	1444.5	1443.1	1441.7	1440.2
167.5°	1451.0	1450.3	1449.9	1450.6	1452.0	1453.5	1454.9	1456.3	1454.9	1453.5	1452.0
170°	1460.2	1459.7	1459.5	1460.2	1461.6	1463.1	1464.5	1465.9	1464.5	1463.1	1461.6
172.5°	1466.6	1466.1	1465.9	1466.6	1468.0	1469.5	1470.9	1472.3	1470.9	1469.5	1468.0
175°	1470.8	1470.3	1470.1	1470.9	1472.6	1474.3	1475.9	1477.6	1475.9	1474.3	1472.6
177.5°	1472.6	1472.4	1472.3	1473.1	1474.8	1476.4	1478.1	1479.7	1478.1	1476.4	1474.8
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	961.3	965.0	964.3	956.8	948.6	941.9	929.2	930.7	926.2	926.9	931.4
5°	937.4	937.4	934.4	924.0	910.5	903.0	888.9	885.1	876.2	875.4	874.7
7.5°	912.0	908.3	904.5	889.6	873.2	861.2	841.8	837.3	828.3	822.4	819.4
10°	882.1	876.9	869.4	852.3	832.1	817.1	797.0	791.0	773.8	766.4	761.9
12.5°	849.3	846.3	834.3	820.1	787.3	770.8	741.7	747.7	730.5	715.6	713.3
15°	816.4	805.2	798.5	775.3	735.7	728.3	705.1	693.2	677.5	665.5	665.5
17.5°	784.3	767.1	752.2	727.5	698.4	677.5	660.3	654.3	634.9	622.9	620.7
20°	741.7	722.3	718.6	683.4	663.3	640.1	623.7	608.8	594.6	589.3	585.6
22.5°	701.4	679.0	673.0	643.1	622.9	599.8	583.4	572.9	562.4	558.7	552.0
25°	658.0	644.6	635.6	603.5	581.1	559.5	548.2	540.8	531.1	530.3	525.8
27.5°	616.2	603.5	594.6	563.9	547.5	527.3	518.4	510.2	504.9	502.7	500.4
30°	580.4	566.2	555.7	533.3	513.1	496.7	489.2	484.0	481.0	477.3	476.5
32.5°	540.8	532.6	518.4	501.2	485.5	469.8	465.3	461.6	457.1	455.6	454.9
35°	507.2	496.0	487.0	467.6	460.9	447.4	442.2	439.2	433.2	431.7	430.2
37.5°	474.3	463.8	454.1	442.2	429.5	422.0	419.0	414.5	411.6	412.3	410.8
40°	441.4	433.2	425.8	413.1	405.6	401.9	395.9	391.4	389.9	390.6	389.9
42.5°	409.3	401.9	397.4	387.7	380.2	376.5	372.7	368.2	370.5	370.5	372.7
45°	380.2	373.5	370.5	363.0	358.5	352.6	348.8	348.1	351.1	350.3	350.3
47.5°	350.3	348.1	344.3	337.6	331.6	327.9	327.2	327.2	330.1	331.6	330.9
50°	327.2	322.7	318.2	313.0	308.5	307.0	304.7	306.2	309.2	309.2	310.7
52.5°	298.0	295.0	293.5	289.1	286.1	286.1	286.1	286.8	289.1	291.3	290.6
55°	272.6	270.4	268.9	266.7	262.9	263.7	262.9	264.4	266.7	268.9	270.4
57.5°	245.7	245.0	243.5	239.8	239.8	239.0	241.3	242.0	245.7	247.2	249.5
60°	221.8	219.6	219.6	216.6	216.6	216.6	218.9	221.1	224.1	224.8	226.3
62.5°	196.4	196.4	195.7	193.5	193.5	195.7	196.4	199.4	200.9	200.9	203.2
65°	172.5	171.8	171.0	171.8	172.5	172.5	174.8	176.3	177.8	178.5	179.3
67.5°	148.6	147.9	149.4	148.6	150.1	153.1	152.4	154.6	156.9	156.9	157.6
70°	126.2	127.7	127.0	128.5	127.7	129.2	131.5	132.2	132.2	133.0	135.2
72.5°	105.3	105.3	105.3	104.6	105.3	106.8	108.3	109.1	110.5	111.3	113.5
75°	85.2	85.2	83.7	85.2	85.2	86.6	88.1	88.1	88.1	89.6	91.9
77.5°	64.2	65.0	64.2	65.7	65.7	66.5	68.0	67.2	68.7	69.5	70.2
80°	47.1	46.3	46.3	46.3	47.1	47.1	48.6	49.3	49.3	51.5	50.0
82.5°	29.9	30.6	29.9	30.6	30.6	31.4	30.6	31.4	32.1	33.6	32.9
85°	17.2	16.4	16.4	17.2	16.4	16.4	17.2	16.4	17.2	16.4	17.2
87.5°	6.7	6.0	6.0	6.0	6.0	5.2	5.2	4.5	4.5	4.5	3.7
90°	11.5	12.8	13.7	15.6	17.5	19.4	21.3	22.5	23.7	24.9	26.1
92.5°	22.9	22.4	22.8	23.5	24.2	24.9	25.6	26.1	26.5	27.0	27.5
95°	38.0	34.1	34.9	36.6	38.3	39.9	41.6	42.8	44.0	45.1	46.3
97.5°	47.0	37.3	39.2	43.0	46.8	50.6	54.4	55.1	55.8	56.5	57.2
100°	58.9	42.7	44.7	48.7	52.8	56.8	60.8	62.7	64.6	66.5	68.4
102.5°	257.3	257.1	235.5	192.4	149.2	106.1	62.9	65.5	68.1	70.8	73.4
105°	352.7	356.3	323.9	259.2	194.5	129.8	65.1	67.7	70.3	72.9	75.5
107.5°	423.7	426.7	386.8	306.9	227.0	147.1	67.2	69.8	72.4	75.0	77.6
110°	492.5	495.0	460.7	392.2	323.7	255.2	186.7	163.0	139.3	115.6	91.9

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	558.0	560.1	558.1	554.1	550.0	546.0	542.0	439.8	337.6	235.4	133.2
115°	629.6	631.6	634.6	640.5	646.4	652.3	658.2	548.4	438.7	328.9	219.2
117.5°	695.3	697.7	699.7	703.8	707.8	711.9	715.9	682.0	648.1	614.2	580.3
120°	761.0	762.8	764.9	769.2	773.5	777.7	782.0	784.8	787.7	790.5	793.4
122.5°	821.7	823.6	826.0	830.7	835.4	840.2	844.9	846.3	847.8	849.2	850.7
125°	879.7	881.2	883.5	888.0	892.5	897.0	901.5	903.2	904.8	906.5	908.2
127.5°	936.1	937.8	939.6	943.1	946.7	950.2	953.8	956.2	958.5	960.9	963.2
130°	990.3	992.2	993.5	996.1	998.7	1001.3	1003.9	1006.5	1009.1	1011.7	1014.3
132.5°	1040.8	1042.3	1043.6	1046.2	1048.9	1051.5	1054.1	1056.2	1058.4	1060.5	1062.6
135°	1088.4	1090.3	1091.4	1093.5	1095.6	1097.8	1099.9	1102.3	1104.7	1107.0	1109.4
137.5°	1131.6	1133.0	1134.2	1136.6	1138.9	1141.3	1143.7	1146.1	1148.4	1150.8	1153.1
140°	1173.7	1174.6	1175.9	1178.5	1181.1	1183.7	1186.3	1188.4	1190.6	1192.7	1194.8
142.5°	1211.1	1211.9	1213.4	1216.5	1219.6	1222.7	1225.8	1227.7	1229.6	1231.5	1233.4
145°	1244.1	1244.0	1246.0	1250.0	1254.1	1258.1	1262.1	1263.8	1265.4	1267.1	1268.8
147.5°	1277.4	1277.0	1279.0	1283.1	1287.1	1291.2	1295.2	1296.4	1297.6	1298.7	1299.9
150°	1307.7	1306.9	1308.8	1312.6	1316.4	1320.2	1324.0	1325.4	1326.8	1328.3	1329.7
152.5°	1335.6	1334.6	1336.4	1339.9	1343.5	1347.0	1350.6	1352.0	1353.4	1354.9	1356.3
155°	1362.4	1361.3	1362.7	1365.6	1368.4	1371.3	1374.1	1375.5	1376.9	1378.4	1379.8
157.5°	1385.7	1384.8	1385.9	1388.0	1390.1	1392.3	1394.4	1396.0	1397.7	1399.3	1401.0
160°	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5	1413.9	1415.3	1416.8	1418.2
162.5°	1423.9	1423.2	1423.8	1425.0	1426.1	1427.3	1428.5	1430.2	1431.8	1433.5	1435.2
165°	1438.8	1438.1	1438.5	1439.2	1439.9	1440.6	1441.3	1443.0	1444.6	1446.3	1448.0
167.5°	1450.6	1449.9	1450.3	1451.0	1451.7	1452.4	1453.1	1454.7	1456.4	1458.0	1459.7
170°	1460.2	1459.5	1459.7	1460.2	1460.7	1461.1	1461.6	1463.3	1464.9	1466.6	1468.3
172.5°	1466.6	1465.9	1466.1	1466.6	1467.1	1467.5	1468.0	1469.7	1471.3	1473.0	1474.7
175°	1470.9	1470.1	1470.3	1470.8	1471.3	1471.8	1472.3	1473.9	1475.6	1477.2	1478.9
177.5°	1473.1	1472.3	1472.4	1472.6	1472.9	1473.1	1473.3	1475.0	1476.6	1478.3	1480.0
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	926.2	928.4	923.2	921.7	923.2	918.0	919.5	921.0	921.0	923.2	924.7
5°	872.4	869.4	864.2	862.7	861.2	863.5	862.0	864.2	864.9	870.2	870.9
7.5°	819.4	814.9	810.4	805.9	804.4	800.7	804.4	804.4	809.7	808.2	811.9
10°	756.6	755.9	749.9	747.7	744.7	738.7	746.9	744.7	748.4	755.1	756.6
12.5°	710.3	702.1	705.9	695.4	699.1	693.2	693.9	693.9	699.9	700.6	699.1
15°	666.3	659.5	649.8	645.4	643.1	640.1	649.8	650.6	646.1	656.6	652.8
17.5°	621.4	621.4	612.5	610.2	604.3	607.3	605.8	606.5	605.0	612.5	616.2
20°	582.6	578.9	575.9	576.6	569.2	567.7	566.2	567.7	572.9	578.1	579.6
22.5°	551.2	549.0	541.5	543.0	537.0	539.3	537.8	541.5	542.3	542.3	547.5
25°	521.4	518.4	519.1	516.1	513.9	513.9	511.6	513.9	516.9	518.4	519.1
27.5°	499.0	496.7	493.0	490.7	492.2	488.5	491.5	493.7	493.7	492.2	493.7
30°	472.1	473.6	473.6	466.1	469.1	467.6	469.8	471.3	471.3	472.1	470.6
32.5°	454.1	449.7	448.9	448.2	448.2	445.2	445.2	447.4	448.2	448.9	451.1
35°	430.2	430.2	426.5	428.7	425.8	426.5	425.8	426.5	428.0	425.8	428.0
37.5°	408.6	409.3	407.8	409.3	410.1	408.6	407.1	410.1	408.6	408.6	407.1
40°	389.9	389.2	389.9	389.9	389.9	390.6	389.2	389.2	389.2	387.7	386.2
42.5°	374.2	369.7	371.2	372.0	369.7	369.7	370.5	369.7	372.0	367.5	367.5
45°	351.8	350.3	351.1	351.1	352.6	350.3	351.8	352.6	350.3	349.6	348.1
47.5°	331.6	333.1	331.6	333.1	333.1	334.6	331.6	332.4	333.1	330.1	327.9
50°	311.5	311.5	313.7	313.0	313.7	312.2	312.2	311.5	312.2	310.7	308.5
52.5°	292.8	290.6	294.3	293.5	292.8	292.1	291.3	292.1	290.6	289.1	289.1
55°	269.6	269.6	271.9	272.6	272.6	271.1	269.6	270.4	269.6	268.9	268.1
57.5°	251.0	248.0	249.5	250.2	250.2	248.0	249.5	248.0	248.0	248.7	246.5
60°	227.1	227.1	225.6	227.8	227.8	226.3	226.3	227.1	225.6	224.8	224.1
62.5°	201.7	202.4	204.7	205.4	206.2	204.7	203.2	203.9	203.9	201.7	202.4
65°	180.0	181.5	184.5	183.7	182.3	183.0	181.5	182.3	180.0	180.8	178.5
67.5°	159.1	158.3	159.1	159.1	160.6	159.8	158.3	158.3	157.6	159.8	157.6
70°	136.7	136.7	136.7	136.7	137.4	138.2	136.7	135.2	135.9	134.4	133.7
72.5°	113.5	114.3	113.5	115.0	112.8	114.3	114.3	113.5	112.8	112.8	112.8
75°	91.9	93.4	91.1	91.9	91.1	92.6	91.9	91.9	90.4	89.6	90.4
77.5°	70.2	71.0	69.5	70.2	69.5	70.2	70.2	69.5	69.5	69.5	69.5
80°	50.0	50.8	50.0	49.3	48.6	50.0	48.6	49.3	50.0	49.3	50.8
82.5°	32.1	32.1	31.4	32.1	30.6	30.6	31.4	31.4	30.6	32.1	30.6
85°	15.7	15.7	17.2	15.7	14.9	14.9	14.9	15.7	14.9	16.4	15.7
87.5°	3.7	3.0	3.7	3.7	3.0	3.0	3.7	3.0	3.7	4.5	3.0
90°	26.7	26.9	27.4	27.9	28.3	28.8	28.3	27.9	27.4	26.9	26.7
92.5°	27.7	27.8	28.1	28.3	28.6	28.8	28.6	28.3	28.1	27.8	27.7
95°	46.9	46.8	46.6	46.3	46.1	45.9	46.1	46.3	46.6	46.8	46.9
97.5°	57.6	57.7	58.0	58.2	58.5	58.7	58.5	58.2	58.0	57.7	57.6
100°	69.3	69.5	70.0	70.5	71.0	71.5	71.0	70.5	70.0	69.5	69.3
102.5°	74.7	75.1	75.8	76.5	77.2	77.9	77.2	76.5	75.8	75.1	74.7
105°	76.8	77.3	78.2	79.2	80.1	81.1	80.1	79.2	78.2	77.3	76.8
107.5°	78.9	79.4	80.3	81.3	82.2	83.2	82.2	81.3	80.3	79.4	78.9
110°	80.0	80.5	81.4	82.4	83.3	84.3	83.3	82.4	81.4	80.5	80.0

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	82.1	82.5	83.2	83.9	84.6	85.3	84.6	83.9	83.2	82.5	82.1
115°	164.3	155.8	138.7	121.6	104.6	87.5	104.6	121.6	138.7	155.8	164.3
117.5°	563.3	532.2	470.1	408.0	345.9	283.8	345.9	408.0	470.1	532.2	563.3
120°	794.8	778.8	746.8	714.8	682.8	650.8	682.8	714.8	746.8	778.8	794.8
122.5°	851.4	851.5	851.7	852.0	852.2	852.4	852.2	852.0	851.7	851.5	851.4
125°	909.0	909.4	910.1	910.8	911.5	912.2	911.5	910.8	910.1	909.4	909.0
127.5°	964.4	964.5	964.8	965.0	965.3	965.5	965.3	965.0	964.8	964.5	964.4
130°	1015.6	1015.5	1015.3	1015.0	1014.8	1014.6	1014.8	1015.0	1015.3	1015.5	1015.6
132.5°	1063.7	1063.6	1063.3	1063.1	1062.8	1062.6	1062.8	1063.1	1063.3	1063.6	1063.7
135°	1110.6	1110.4	1109.9	1109.4	1109.0	1108.5	1109.0	1109.4	1109.9	1110.4	1110.6
137.5°	1154.3	1153.9	1153.2	1152.5	1151.8	1151.1	1151.8	1152.5	1153.2	1153.9	1154.3
140°	1195.9	1195.3	1194.1	1193.0	1191.8	1190.6	1191.8	1193.0	1194.1	1195.3	1195.9
142.5°	1234.4	1233.8	1232.6	1231.4	1230.2	1229.0	1230.2	1231.4	1232.6	1233.8	1234.4
145°	1269.6	1269.0	1267.8	1266.6	1265.4	1264.2	1265.4	1266.6	1267.8	1269.0	1269.6
147.5°	1300.5	1300.0	1299.1	1298.1	1297.2	1296.2	1297.2	1298.1	1299.1	1300.0	1300.5
150°	1330.4	1329.8	1328.6	1327.4	1326.2	1325.0	1326.2	1327.4	1328.6	1329.8	1330.4
152.5°	1357.0	1356.2	1354.5	1352.9	1351.2	1349.6	1351.2	1352.9	1354.5	1356.2	1357.0
155°	1380.5	1379.6	1377.7	1375.8	1373.9	1372.0	1373.9	1375.8	1377.7	1379.6	1380.5
157.5°	1401.8	1400.9	1399.0	1397.1	1395.2	1393.3	1395.2	1397.1	1399.0	1400.9	1401.8
160°	1418.9	1418.1	1416.4	1414.7	1413.1	1411.4	1413.1	1414.7	1416.4	1418.1	1418.9
162.5°	1436.0	1434.9	1432.8	1430.7	1428.5	1426.4	1428.5	1430.7	1432.8	1434.9	1436.0
165°	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1443.0	1444.6	1446.3	1448.0	1448.8
167.5°	1460.5	1459.4	1457.3	1455.2	1453.0	1450.9	1453.0	1455.2	1457.3	1459.4	1460.5
170°	1469.1	1468.0	1465.9	1463.8	1461.6	1459.5	1461.6	1463.8	1465.9	1468.0	1469.1
172.5°	1475.5	1474.4	1472.3	1470.2	1468.0	1465.9	1468.0	1470.2	1472.3	1474.4	1475.5
175°	1479.7	1478.5	1476.2	1473.8	1471.5	1469.1	1471.5	1473.8	1476.2	1478.5	1479.7
177.5°	1480.8	1479.7	1477.6	1475.5	1473.3	1471.2	1473.3	1475.5	1477.6	1479.7	1480.8
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	922.5	928.4	926.2	918.0	927.7	927.7	934.4	934.4	942.6	945.6	950.1
5°	870.2	874.7	878.4	874.7	881.4	891.8	897.8	903.0	914.2	918.7	925.5
7.5°	814.2	822.4	826.1	826.1	837.3	849.3	861.2	868.7	884.4	890.3	897.1
10°	759.6	769.3	776.8	776.1	794.7	802.2	817.1	834.3	850.0	859.0	868.7
12.5°	702.1	707.3	717.8	732.7	737.2	750.7	767.8	789.5	817.9	826.1	840.3
15°	654.3	668.5	676.7	683.4	693.9	706.6	725.3	746.2	774.6	792.5	807.4
17.5°	614.0	632.7	637.9	636.4	649.8	669.3	690.9	706.6	732.0	753.7	767.8
20°	581.1	588.6	597.5	601.3	611.7	632.7	653.6	671.5	692.4	709.6	726.0
22.5°	548.2	554.2	561.7	568.4	576.6	588.6	608.8	631.2	651.3	667.8	686.4
25°	521.4	525.1	531.8	537.0	546.0	554.2	568.4	593.1	617.0	626.7	643.1
27.5°	495.2	498.2	502.7	508.7	513.1	521.4	534.1	554.2	578.9	588.6	611.0
30°	472.1	474.3	478.8	481.8	484.0	493.7	503.4	519.1	537.8	551.2	567.7
32.5°	450.4	452.6	457.1	457.9	460.9	466.1	475.0	489.2	505.7	516.9	531.1
35°	426.5	428.0	432.5	434.0	436.2	440.7	447.4	457.9	472.8	481.0	493.7
37.5°	407.8	407.1	410.1	412.3	415.3	417.5	419.8	430.2	441.4	448.9	458.6
40°	387.7	386.2	386.9	389.9	391.4	394.4	394.4	404.8	412.3	418.3	425.8
42.5°	367.5	366.7	365.3	366.7	368.2	369.0	369.7	377.2	384.7	389.9	398.1
45°	347.3	346.6	345.1	345.8	345.8	347.3	349.6	352.6	357.8	362.3	366.7
47.5°	328.7	327.2	324.9	324.2	325.7	325.7	325.7	328.7	333.9	335.4	339.9
50°	309.2	307.0	304.0	302.5	302.5	301.8	303.3	304.0	308.5	310.0	313.7
52.5°	288.3	286.8	283.8	280.8	281.6	280.1	280.8	281.6	283.1	285.3	287.6
55°	267.4	264.4	262.2	261.4	259.2	259.2	256.9	259.9	259.2	259.9	262.9
57.5°	247.2	244.2	240.5	239.0	236.8	236.0	234.5	233.8	234.5	236.8	239.0
60°	223.3	221.8	219.6	217.4	215.9	213.6	212.1	212.1	211.4	211.4	212.1
62.5°	200.2	199.4	196.4	195.7	194.2	192.7	190.5	189.0	189.0	190.5	191.2
65°	177.8	177.0	174.8	174.0	170.3	168.8	168.1	167.3	165.8	165.8	165.8
67.5°	156.9	154.6	154.6	150.9	147.9	146.4	144.9	144.2	144.2	144.2	144.9
70°	133.7	133.7	131.5	129.2	126.2	127.0	124.7	122.5	122.5	121.0	121.8
72.5°	111.3	110.5	108.3	107.6	105.3	103.1	101.6	103.1	100.8	100.1	100.8
75°	89.6	88.9	87.4	85.9	86.6	84.4	82.2	81.4	81.4	79.9	79.9
77.5°	68.7	70.2	67.2	66.5	65.0	63.5	62.7	62.0	62.0	62.0	63.5
80°	47.8	48.6	48.6	47.1	47.8	45.6	45.6	45.6	43.3	44.1	44.8
82.5°	30.6	30.6	29.9	30.6	29.9	29.9	29.1	29.1	28.4	28.4	29.1
85°	17.2	16.4	15.7	17.2	16.4	16.4	15.7	15.7	15.7	15.7	15.7
87.5°	3.7	4.5	4.5	4.5	4.5	5.2	5.2	5.2	6.0	6.0	6.0
90°	26.1	24.9	23.7	22.5	21.3	19.4	17.5	15.6	13.7	12.8	11.5
92.5°	27.5	27.0	26.5	26.1	25.6	24.9	24.2	23.5	22.8	22.4	22.9
95°	46.3	45.1	44.0	42.8	41.6	39.9	38.3	36.6	34.9	34.1	38.0
97.5°	57.2	56.5	55.8	55.1	54.4	50.6	46.8	43.0	39.2	37.3	47.0
100°	68.4	66.5	64.6	62.7	60.8	56.8	52.8	48.7	44.7	42.7	58.9
102.5°	73.4	70.8	68.1	65.5	62.9	106.1	149.2	192.4	235.5	257.1	257.3
105°	75.5	72.9	70.3	67.7	65.1	129.8	194.5	259.2	323.9	356.3	352.7
107.5°	77.6	75.0	72.4	69.8	67.2	147.1	227.0	306.9	386.8	426.7	423.7
110°	91.9	115.6	139.3	163.0	186.7	255.2	323.7	392.2	460.7	495.0	492.5

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	133.2	235.4	337.6	439.8	542.0	546.0	550.0	554.1	558.1	560.1	558.0
115°	219.2	328.9	438.7	548.4	658.2	652.3	646.4	640.5	634.6	631.6	629.6
117.5°	580.3	614.2	648.1	682.0	715.9	711.9	707.8	703.8	699.7	697.7	695.3
120°	793.4	790.5	787.7	784.8	782.0	777.7	773.5	769.2	764.9	762.8	761.0
122.5°	850.7	849.2	847.8	846.3	844.9	840.2	835.4	830.7	826.0	823.6	821.7
125°	908.2	906.5	904.8	903.2	901.5	897.0	892.5	888.0	883.5	881.2	879.7
127.5°	963.2	960.9	958.5	956.2	953.8	950.2	946.7	943.1	939.6	937.8	936.1
130°	1014.3	1011.7	1009.1	1006.5	1003.9	1001.3	998.7	996.1	993.5	992.2	990.3
132.5°	1062.6	1060.5	1058.4	1056.2	1054.1	1051.5	1048.9	1046.2	1043.6	1042.3	1040.8
135°	1109.4	1107.0	1104.7	1102.3	1099.9	1097.8	1095.6	1093.5	1091.4	1090.3	1088.4
137.5°	1153.1	1150.8	1148.4	1146.1	1143.7	1141.3	1138.9	1136.6	1134.2	1133.0	1131.6
140°	1194.8	1192.7	1190.6	1188.4	1186.3	1183.7	1181.1	1178.5	1175.9	1174.6	1173.7
142.5°	1233.4	1231.5	1229.6	1227.7	1225.8	1222.7	1219.6	1216.5	1213.4	1211.9	1211.1
145°	1268.8	1267.1	1265.4	1263.8	1262.1	1258.1	1254.1	1250.0	1246.0	1244.0	1244.1
147.5°	1299.9	1298.7	1297.6	1296.4	1295.2	1291.2	1287.1	1283.1	1279.0	1277.0	1277.4
150°	1329.7	1328.3	1326.8	1325.4	1324.0	1320.2	1316.4	1312.6	1308.8	1306.9	1307.7
152.5°	1356.3	1354.9	1353.4	1352.0	1350.6	1347.0	1343.5	1339.9	1336.4	1334.6	1335.6
155°	1379.8	1378.4	1376.9	1375.5	1374.1	1371.3	1368.4	1365.6	1362.7	1361.3	1362.4
157.5°	1401.0	1399.3	1397.7	1396.0	1394.4	1392.3	1390.1	1388.0	1385.9	1384.8	1385.7
160°	1418.2	1416.8	1415.3	1413.9	1412.5	1411.1	1409.7	1408.2	1406.8	1406.1	1406.8
162.5°	1435.2	1433.5	1431.8	1430.2	1428.5	1427.3	1426.1	1425.0	1423.8	1423.2	1423.9
165°	1448.0	1446.3	1444.6	1443.0	1441.3	1440.6	1439.9	1439.2	1438.5	1438.1	1438.8
167.5°	1459.7	1458.0	1456.4	1454.7	1453.1	1452.4	1451.7	1451.0	1450.3	1449.9	1450.6
170°	1468.3	1466.6	1464.9	1463.3	1461.6	1461.1	1460.7	1460.2	1459.7	1459.5	1460.2
172.5°	1474.7	1473.0	1471.3	1469.7	1468.0	1467.5	1467.1	1466.6	1466.1	1465.9	1466.6
175°	1478.9	1477.2	1475.6	1473.9	1472.3	1471.8	1471.3	1470.8	1470.3	1470.1	1470.9
177.5°	1480.0	1478.3	1476.6	1475.0	1473.3	1473.1	1472.9	1472.6	1472.4	1472.3	1473.1
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	971.8	971.8	971.8	971.8
2.5°	953.8	953.8	965.0	977.0
5°	932.9	938.1	956.1	972.5
7.5°	912.8	921.7	944.1	965.0
10°	888.1	900.1	927.7	952.3
12.5°	864.2	875.4	907.5	935.2
15°	830.6	844.8	879.1	913.5
17.5°	797.0	811.2	853.0	893.3
20°	757.4	776.1	823.1	876.9
22.5°	720.8	743.9	796.2	839.6
25°	680.5	716.3	764.9	820.9
27.5°	644.6	680.5	729.8	786.5
30°	604.3	640.9	691.7	743.9
32.5°	565.4	599.0	648.3	712.6
35°	525.1	557.2	605.0	670.0
37.5°	488.5	519.9	572.2	631.9
40°	452.6	485.5	530.3	590.1
42.5°	419.0	448.2	488.5	548.2
45°	388.4	409.3	446.7	502.7
47.5°	356.3	375.0	409.3	465.3
50°	326.4	342.1	372.0	424.3
52.5°	297.3	310.7	338.4	380.2
55°	271.1	283.8	304.0	345.1
57.5°	244.2	254.0	273.4	306.2
60°	218.1	227.1	242.8	269.6
62.5°	192.0	199.4	214.4	236.0
65°	168.8	174.8	186.0	204.7
67.5°	146.4	150.1	159.1	174.0
70°	124.7	127.7	135.2	147.1
72.5°	101.6	104.6	112.8	121.0
75°	82.2	82.9	88.9	95.6
77.5°	64.2	63.5	68.0	73.2
80°	44.1	46.3	50.0	52.3
82.5°	29.9	30.6	32.1	33.6
85°	16.4	17.2	17.2	19.4
87.5°	6.7	7.5	7.5	8.2
90°	8.9	6.3	3.7	1.1
92.5°	23.8	24.8	25.7	26.7
95°	45.8	53.7	61.5	69.3
97.5°	66.5	85.9	105.4	124.8
100°	91.4	123.9	156.3	188.8
102.5°	257.8	258.3	258.7	259.2
105°	345.6	338.5	331.4	324.3
107.5°	417.8	411.9	406.0	400.1
110°	487.5	482.6	477.6	472.6



TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	553.7	549.4	545.2	540.9
115°	625.5	621.5	617.4	613.4
117.5°	690.6	685.9	681.1	676.4
120°	757.5	753.9	750.4	746.8
122.5°	817.9	814.1	810.3	806.5
125°	876.6	873.5	870.5	867.4
127.5°	932.8	929.5	926.1	922.8
130°	986.5	982.7	978.9	975.1
132.5°	1037.7	1034.6	1031.5	1028.4
135°	1084.6	1080.9	1077.1	1073.3
137.5°	1128.7	1125.9	1123.0	1120.2
140°	1171.8	1169.9	1168.0	1166.1
142.5°	1209.4	1207.8	1206.1	1204.5
145°	1244.3	1244.6	1244.8	1245.0
147.5°	1278.1	1278.8	1279.5	1280.2
150°	1309.4	1311.1	1312.7	1314.4
152.5°	1337.5	1339.4	1341.3	1343.2
155°	1364.5	1366.6	1368.8	1370.9
157.5°	1387.6	1389.5	1391.4	1393.3
160°	1408.2	1409.7	1411.1	1412.5
162.5°	1425.3	1426.8	1428.2	1429.6
165°	1440.2	1441.7	1443.1	1444.5
167.5°	1452.0	1453.5	1454.9	1456.3
170°	1461.6	1463.1	1464.5	1465.9
172.5°	1468.0	1469.5	1470.9	1472.3
175°	1472.6	1474.3	1475.9	1477.6
177.5°	1474.8	1476.4	1478.1	1479.7
180°	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998389

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_3500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.53	14.24	14.62	15.32	16.82	11.02	11.73	12.11	12.82	14.31
	3H	14.33	14.96	15.43	16.06	17.57	12.35	12.99	13.46	14.08	15.60
	4H	14.49	15.09	15.60	16.19	17.71	12.81	13.41	13.92	14.51	16.03
	6H	14.53	15.08	15.65	16.18	17.71	13.11	13.66	14.23	14.76	16.29
	8H	14.50	15.03	15.63	16.14	17.67	13.19	13.71	14.31	14.83	16.35
	12H	14.46	14.96	15.59	16.07	17.61	13.22	13.72	14.35	14.83	16.38
4H	2H	13.55	14.15	14.67	15.25	16.77	11.45	12.05	12.57	13.15	14.66
	3H	14.52	15.02	15.64	16.14	17.67	12.89	13.39	14.02	14.52	16.05
	4H	14.79	15.25	15.92	16.36	17.91	13.42	13.88	14.55	15.00	16.55
	6H	14.91	15.30	16.05	16.44	17.98	13.79	14.19	14.93	15.32	16.87
	8H	14.90	15.27	16.04	16.40	17.96	13.90	14.27	15.04	15.40	16.96
	12H	14.86	15.19	16.01	16.33	17.90	13.95	14.28	15.10	15.42	16.99
8H	4H	14.78	15.15	15.92	16.28	17.84	13.55	13.92	14.69	15.05	16.61
	6H	14.96	15.26	16.12	16.43	17.99	13.98	14.29	15.14	15.46	17.01
	8H	14.99	15.25	16.15	16.40	17.98	14.13	14.40	15.30	15.55	17.12
	12H	14.97	15.20	16.13	16.34	17.96	14.22	14.45	15.38	15.60	17.21
12H	4H	14.73	15.07	15.89	16.21	17.77	13.52	13.85	14.67	14.99	16.56
	6H	14.94	15.20	16.10	16.35	17.93	13.98	14.25	15.15	15.40	16.97
	8H	14.96	15.19	16.13	16.34	17.95	14.13	14.36	15.30	15.51	17.12